



January 26, 2023

John Hess, PE, PP, CME
Zoning Board Engineer
66 Main Street
West Orange, New Jersey 07052

Re: ZB-21-21
Daughters of Israel, Inc.
Preliminary & Final Major Site Plan
Review #3
1155 Pleasant Valley Way
Block 171, Lot 12

Dear Mr. Hess:

Pursuant to your letter dated November 15th, our subsequent site visit on January 12th, 2023, and the Zoning Board Meetings on January 12th and 19th, we have prepared revised plans and reports.

The plans have been revised to eliminate the Phase IV portion of the building. The reduction of Phase IV resulted in changes to the overall unit counts which are now, 76 one-bedroom and 87 two-bedroom independent living units, 64 assisted living beds, and 84 skilled nursing beds.

Based on the reduced unit counts, the updated parking study showed that the proposed site would be considerably overparked when compared to industry standards. To balance the West Orange standards with the industry standards, we have included two areas of the parking lots as future parking. It should be noted that these areas are within the footprint of the previously submitted plans. These spaces would not be constructed unless they were deemed necessary by either the applicant or the Township in accordance with the ordinance requirements. If these spaces are not constructed, the site would have more open space. If the future parking in the south-westerly corner of the parking lot is not constructed, it would also result in less steep slope disturbance, and approximately 30 trees will be preserved.

In addition to these modifications, based on conversations with yourself and Walt Kipp, the Township Forester, the Tree Removal Plans has been revised to save additional trees. These trees are located primarily in the south-westerly corner of the parking lot and along the frontage of the site. These trees are able to be preserved by modifying the limits of grading on site and moving some of the sanitary and storm sewers to avoid the trees and their roots.

Finally, we have revised the plans based on your comments. Below is a detailed response to each

155 Passaic Avenue, Suite 350, Fairfield, New Jersey 07004
973-227-7004 973-227-7074 (fax)
www.petryengineering.com

comment. It should also be noted that the Stormwater Management Report was revised to include the reductions associated with the green roof.

Our revisions include the following documents:

- Site Plans
- Overall Phasing Plan
- Tree Removal Plans
- Stormwater Report
- Maintenance Manual
- Environmental Impact Statement
- Parking Study
- Lighting cut sheets (enclosed)

B. DESIGN COMMENTS

1. The Applicant has not requested any submission waivers in support of this application.

PETRY RESPONSE: Statement. No response is required.

2. The Applicant has requested a waiver from the requirement to incorporate green infrastructure into the design of the project. The Applicant states that the soils from the site that were tested did not have adequate permeability for infiltration.

PETRY RESPONSE: Statement. No response required.

3. The Applicant has requested a de minimis exception from the Residential Site Improvement Standards to permit 381 parking spaces whereas 479 parking spaces are required.

PETRY RESPONSE: 381 parking spaces represents only the physical spaces. When applying the EV credit, the total onsite parking spaces is 429. It should also be noted that based on the revised unit count, the total required parking spaces has been reduced to 448 spaces.

4. Sheet SP-3 of the site plan drawings states that 8 electric vehicle stations in the garage will be installed within 3 years of C.O. and an additional 12 electric vehicle stations in the garage will be installed within 6 years of C.O. Sheet A1 .0 of the architectural plans must be revised to identify the electric vehicle stations that will be installed within 3 years and the electric vehicle stations that will be installed within 6 years.



PETRY RESPONSE: The plans have been revised to show that all the required EV spaces that need to be installed by the 3 year mark are shown within the surface parking lots. The Remaining EV spaces and the spaces within the parking level will be installed by the 6 year mark. The plans have been revised to note this. (See SP-3)

- 5.** Sheet SP-3 must be revised to dimension the width of the sidewalks in the interior courtyard area.

PETRY RESPONSE: The site plan has been revised to dimension the sidewalk widths in the courtyard areas. (See Sheet SP-3).

- 6.** It shows on sheet SP-3 that the southerly handicap parking space in the parking lot at the northeast corner of the site will not be electric vehicle ready. However, this parking space includes a callout which indicates that the electric vehicle station will be installed within 6 years of C.O. This discrepancy must be resolved.

PETRY RESPONSE: The site plan has been revised to remove the electric vehicle callout for the southerly handicap space. (See Sheet SP-3).

- 7.** The Basin #2 callout on sheet SP-4 states that the rim elevation will be at elevation 419.00 whereas the callout for OS #5-6A shows a rim elevation of 418.00. This discrepancy must be resolved.

PETRY RESPONSE: The site plans have been revised to differentiate between the top of the basin and the grate of the outlet structure. (See Sheet SP-4). The grate of the outlet structure has intentionally been set 1 foot below the top of the basin, acting as a 4' weir.

- 8.** The Basin #3 callout on sheet SP-4 states that the rim elevation will be at elevation 421.00 whereas the callout for OS #1-9 shows a rim elevation of 420.00. This discrepancy must be resolved.

PETRY RESPONSE: The site plans have been revised to differentiate between the top of the basin and the grate of the outlet structure. (See Sheet SP-4). The grate of the outlet structure has intentionally been set 1 foot below the top of the basin, acting as a 4' weir.



- 9.** MH #8-1 must be shown on the profile on sheet SP-10.

PETRY RESPONSE:

MH #8-1 is now shown on the profile (See Sheet SP-10.)

- 10.** The Basin #1B — OS #8-5 detail on sheet SP-21 shows that it will be installed within a paved area whereas sheet SP-6 shows no pavement in the area. This discrepancy must be resolved.

PETRY RESPONSE:

The detail has been revised to show that OS #8-5 will not be within a pavement area. (See Sheet SP-21).

- 11.** Section A-A on the Basin #1A — OS #5-7 detail on sheet SP-21 shows that the grate will be at elevation 423.30 whereas Section B-B it shows that the grate will be at elevation 423.32. This discrepancy must be resolved.

PETRY RESPONSE:

The detail has been revised to show the correct rim elevation of 423.32.

- 12.** Section A-A on the Basin #2 — OS #5-6A detail on sheet SP-21 shows that the orifices are to be installed in the exterior wall of the structure which is incorrect. Therefore, the detail must be revised to show the correct installation of the orifices.

PETRY RESPONSE:

The orifices are shown on the exterior of the wall within the surface basin. This is typical of an outlet structure within a surface basin.

- 13.** Section A-A on the Basin #3 — OS #1-9 detail on sheet SP-21 shows that the orifices are to be installed in the exterior wall of the structure which is incorrect. Therefore, the detail must be revised to show the correct installation of the orifices.

PETRY RESPONSE:

The orifices are shown on the exterior of the wall within the surface basin. This is typical of an outlet structure within a surface basin.



- 14.** As required by §25-29.3a of the Land Use Regulations, the minimum standards for groundwater recharge, stormwater quality and stormwater runoff quantity shall be met by incorporating green infrastructure. Since the property in question is located in the Metropolitan Planning Area, the Applicant is not required to address groundwater recharge. In addition, it states in §25-29.4q that stormwater runoff quality standards are only applicable when the major development results in an increase of one-quarter acre or more of regulated motor vehicle surface which this project does not. Therefore, the Applicant must demonstrate that the project meets the minimum standards for stormwater runoff quantity set forth in §25-29.40 and r. As stipulated in §25-29.403, the design engineer shall utilize BMPs from Table 1 or from Table 2 and/or an alternative stormwater management measure approved in accordance with §25-29.4g.

The Applicant has requested a waiver from the requirement to incorporate green infrastructure into the design of the project. The Applicant states that the soils from the site that were tested did not have adequate permeability for infiltration. The Applicant should provide testimony to the Board setting forth the reasons why the requested waiver should be granted.

PETRY RESPONSE: Testimony has been provided.

- 15.** Our office has reviewed the Stormwater Maintenance Manual and finds that Section I must be revised to include the telephone number of the responsible party.

PETRY RESPONSE: The telephone number for Daughters of Israel has been added to the Maintenance Manual.

- 16.** The Stormwater Maintenance Manual and any future revisions must be recorded upon the deed of record for the property. Prior to recording, the form of the deed must be approved by the Board Attorney and our office.

PETRY RESPONSE: A note to this effect has been added to the plans (See Sheet SP-1).

- 17.** It remains for the plans to be revised to include the following details:

- a. Fence.
- b. Screening fence.
- c. EV charging station.
- d. Wet tap.
- e. Grease trap.
- f. Emergency generator.



PETRY RESPONSE: The details have now been added to the plans. (See Sheet SP-20 and L2.0 and A2.1 of KDA Architectural plans).

C. LANDSCAPING COMMENTS

1. In accordance with Section 25-27.8g, the Applicant is to provide 149 major trees and 43 major or minor trees for a total of 192 replacement trees. Currently, the Applicant has provided 86 major trees and 110 minor trees, which leaves a deficit of 63 major trees, even though the total quantity of trees has been provided. This should be discussed with the Board.

PETRY RESPONSE: A revised Tree Removal and Replacement plan is included in this submittal. The revised Tree Removal Plan calls for 110 major trees and 39 minor trees to be removed. Additionally, the landscaping plan has been revised to include 86 major and 143 minor. Testimony will be provided on the deficit in major trees. (Including those within the future parking areas, which shall not be removed until the parking is constructed.)

2. Revise the plans to graphically depict and specifically label the location for tree protection fencing in accordance with Section 25-27.9.

PETRY RESPONSE: The Tree Removal Plan has been revised to indicate the trees along the Pleasant Valley Way frontage that are to be protected. Any additional tree protection will be provided at the direction of the Township Forester, and a note to this effect has been added to the plans (See Sheet TR-1).

3. Our office has concerns regarding the accuracy of the provided tree inventory as some of the listed trees are vines; however, the size indicates a semi-mature tree and not a size a vine would be.

PETRY RESPONSE: The tree removal plan has been updated to reflect the correct species. We have walked the site with the Township Forester and incorporated his comments.



4. Our office has concerns regarding the close proximity of proposed oak trees near the proposed retaining wall along the southeast side of the property. The Applicant might provide an alternative species in this spatially constrained location.

KDA RESPONSE: The plans have been revised to specify a smaller-growing species in this location.

5. Revise the plans to provide native plant materials and seed mix for the proposed detention basins, in accordance with the updated stormwater management regulations, for further review.

PETRY RESPONSE: Native plants and seed mix has been specified on the plans (See Sheet SP-4).

6. Revise the plans to provide an alternative for proposed PS (White Pine) due to the species' mature habit of losing its lower limbs, which does not provide for an adequate buffer.

KDA RESPONSE: Testimony was provided. Due to slope conditions lower level screening is not necessary, and the growth rate and crown spread of the white pines is desirable.

7. Revise the plans to provide building foundation shrubs, perennials, and grasses, to enhance aesthetics. Currently, plant material has not been provided.

KDA RESPONSE: The landscape plan has been revised to include building foundation plantings.

8. Revise the plans to indicate the Township Engineer within the 'Landscape Specifications' on sheet L2.0 for plant relocations and substitutions, prior to install.

KDA RESPONSE: Note #8 of the 'Landscape Specifications' has been revised to require the approval of the Township Engineer for plant relocations and substitutions.



9. Revise the plans to provide rigid, plastic, open mesh trunk guards for all deciduous trees, to protect form the irreparable damage from buck rub.

KDA RESPONSE: The tree planting details have been revised to specify trunk guards for all deciduous trees.

10. Revise the plans to indicate the proposed disposition for all open areas, such as lawn, stone, mulch, etc., to prevent confusion during construction.

KDA RESPONSE: The plans have been revised to label All open areas with the materials specified for each location.

D. LIGHTING COMMENTS

1. Revise the plans to provide the concrete strength for proposed light pole foundation details on sheet SP-17. Staff recommends a strength of 4,500 PSI.

PETRY RESPONSE: The light pole foundation details have been revised to indicate a concrete strength of 4,500 PSI (See Sheet SP-17).

2. Revise the plans to indicate proposed timers and hours of operation. Also, indicate proposed color and finish for all fixtures and poles.

PETRY RESPONSE: The lighting plans has been revised to include the existing and proposed times of operation for lighting. Additionally, a note has been added to the plans which shows that the proposed color of the fixtures is bronze. (See Sheet SP-16 Lighting Notes #1-3.)

3. Revise the plans to provide isolux pattern details with a scale and graph to correspond with the proposed fixtures. Also, provide the manufacturer's catalog cuts and ordering information for the proposed light poles, for further review.

PETRY RESPONSE: The requested isolux patterns, and cut sheets for the poles have been attached to this letter.



We trust that we have provided sufficient information for your continued review. Should you have any questions or concerns, please feel free to contact us.

Very truly yours,

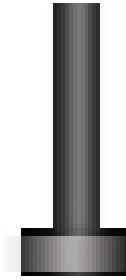
PETRY ENGINEERING, LLC

J. Michael Petry

J. Michael Petry, PE, PP, AIA



AAL Poles



SPECIFICATIONS

CONSTRUCTION

- Base casting shall be heat treated to a T-6 condition, and of uniform wall thickness, with no warping or mold shifting.

WARNINGS

- Caution must be exercised in the selection of a design wind speed when the pole is to be installed in a special wind region (as indicated by the wind map) or in an area where wind speed is unpredictable.
- AAL recommends consulting a local engineer when the pole is to be installed in an area that may be subject to extreme weather and exposure.
- Poles installed on structures such as buildings and bridges may be subjected to vibration, oscillations, and other fatigue effects which are not covered by the AAL warranty.
- The use of banners or other appendages can severely affect the loading of a pole. No banner or other appendage should be attached to an AAL pole unless approved by AAL.
- If the products are to be used on an existing foundation or on other structures, the customer assumes all responsibility for the structural integrity of the existing foundation, anchorage or structures and all the consequences arising therefrom.

CAUTION

- Poles should never be erected without the luminaire installed.
- Anchor bolts shall be hot dip galvanized steel. Eight galvanized hex nuts and flat washers, and a bolt circle template shall be provided. Anchor bolt for poles are 3/4" x 24" x 3".

CERTIFICATION

- Certified UL 1598 in accordance with Article 410 of ANSI/NFPA 70, National Electrical Code.

ORDERING GUIDE

Example: PR4-4R12-125-PCR-GFI-SBC-PTF-BLT

CATALOG #

POLE

Series	Shaft	Options	Control	Receptacle	Base	Finish
PR4 4" Round Pole	4R8-125	4R8-125	LR Ladder Rest	PCR Photocontrol Receptacle	GFI GFI Receptacle	SBC 1-piece Cover
	4R10-125	4R10-125		PHC-120V Button Type Photocell, 120V	DRB Duplex Receptacle	2PCBC 2-piece Cover
	4R12-125	4R12-125		PHC-208V Button Type Photocell, 208V	RBC Receptacle Box Cover	BC1 12.75"Ø x 8.25"H 1pc. Cover
	4R14-125	4R14-125		PHC-240V Button Type Photocell, 240V		BC2 12.75"Ø x 16.25"H 3pc. Cover
	4R16-125	4R16-125		PHC-277V Button Type Photocell, 277V		BC5 14"Ø x 24"H 2pc. Cast Cover
	4R8-226	4R8-226		SCP Sensor Control Programmable 120-277V		BC6 17"Ø x 13"H 2pc. Cast Cover
	4R10-226	4R10-226		SCP-347V Sensor Control Programmable 347V		BC7 18"Ø x 30"H 3pc. Cast Cover
	4R12-226	4R12-226		SCP-480V Sensor Control Programmable 480V		BC8 12"Ø x 36"H 2pc. Cast Cover
	4R14-226	4R14-226				ACBCR 14"Ø x 18" Arts & Crafts® Round 3pc. Cast Cover
	4R16-226	4R16-226				HB Hinged Base
	4R18-226	4R18-226				
	4R20-226	4R20-226				
						BLS Black Gloss Smooth
						BLT Black Matte Textured
						DBS Dark Bronze Gloss Smooth
						DBT Dark Bronze Matte Textured
						GTT Graphite Matte Textured
						LGS Light Grey Gloss Smooth
						LGT Light Grey Matte Textured
						PSS Platinum Silver Gloss Smooth
						VGT Verde Green Matte Textured
						WHS White Gloss Smooth
						WHT White Matte Textured
						Color Option
						CC ¹ Custom Color

Mounting	
TEN	Tenon, 2 3/8" Ø x 4"H
TEN3	Tenon, 3" Ø x 3"H
1A	Single Side Arm
2B	Double Side Arm
PTF	Post Top Fixture
PTA	Post Top Arm
PTAD	Post Top Adaptor
ND	No Drilling

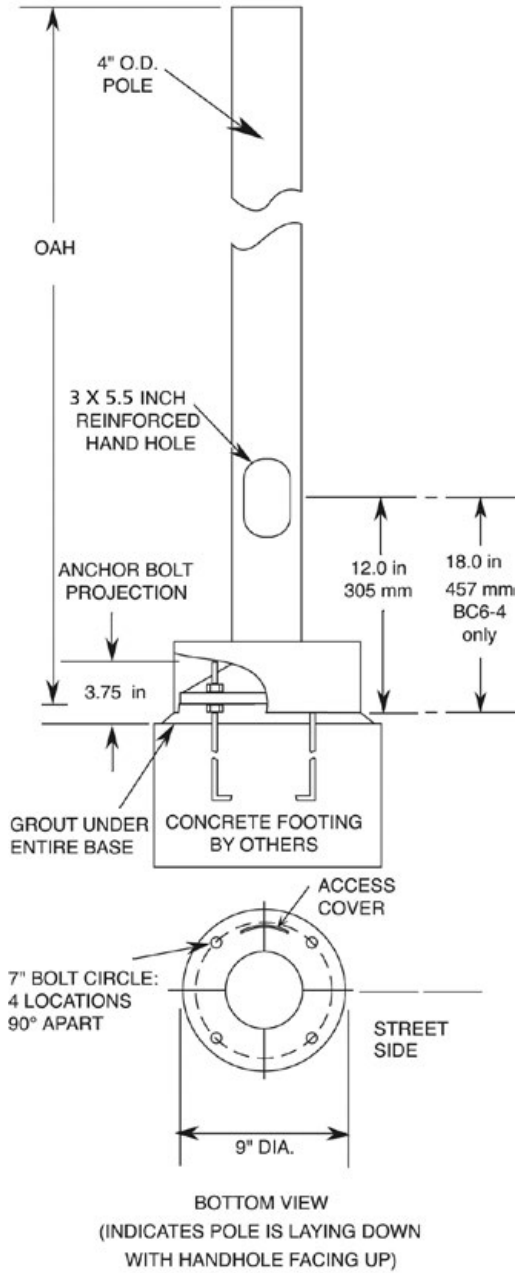
Notes:

1 Consult factory for custom color, marine and corrosive finish

Maximum Allowable EPA (MPH)														
Series	SHAFT	OAH	SHAFT	WT	85	90	100	110	120	130	140	150		
PR4	4R8-125	8' (2.4m)	4" RD x .125"	22	12.3	10.9	8.7	7.0	5.7	4.8	4.1	3.6		
PR4	4R10-125	10' (3.1m)	4" RD x .125"	25	9.1	8.0	6.3	4.9	4.0	3.3	2.8	2.4		
PR4	4R12-125	12' (3.7m)	4" RD x .125"	28	6.9	6.0	4.5	3.4	2.6	2.1	1.8	1.5		
PR4	4R14-125	14' (4.3m)	4" RD x .125"	32	5.2	4.4	3.2	2.3	1.5	1.2	1.0	0.8		
PR4	4R16-125	16' (4.9m)	4" RD x .125"	35	3.9	3.2	2.1	1.3	0.8	0.5	0.4	0.2		
PR4	4R8-226	8' (2.4m)	4" RD x .226"	32	21.5	19.2	15.5	12.7	10.6	9.0	7.7	6.7		
PR4	4R10-226	10' (3.1m)	4" RD x .226"	38	16.5	14.6	11.7	9.4	7.8	6.6	5.6	4.8		
PR4	4R12-226	12' (3.7m)	4" RD x .226"	44	13.0	11.4	9.0	7.2	5.8	4.9	4.1	3.5		
PR4	4R14-226	14' (4.3m)	4" RD x .226"	51	10.3	9.1	7.0	5.4	4.3	3.6	3.0	2.5		
PR4	4R16-226	16' (4.9m)	4" RD x .226"	57	8.3	7.2	5.4	4.1	3.1	2.5	2.1	1.8		
PR4	4R18-226	18' (5.5m)	4" RD x .226"	63	6.6	5.6	4.1	2.9	2.1	1.6	1.3	1.0		
PR4	4R20-226	20' (6.2m)	4" RD x .226"	70	5.1	4.3	3.0	1.9	1.2	0.9	0.6	0.4		

DATE:	LOCATION:
TYPE:	PROJECT:
CATALOG #:	

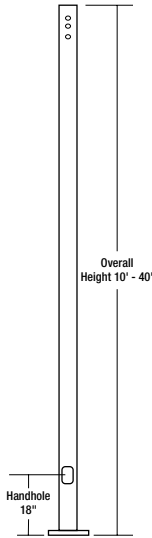
DIMENSIONS



SSS-B Series Poles

SQUARE STRAIGHT STEEL

DATE: _____ LOCATION: _____
 TYPE: _____ PROJECT: _____
 CATALOG #: _____



APPLICATIONS

- Lighting installations for side and top mounting of luminaires with effective projected area (EPA) not exceeding maximum allowable loading of the specified pole in its installed geographic location

CONSTRUCTION

- SHAFT:** One-piece straight steel with square cross section, flat sides and minimum 0.23" radius on all corners; Minimum yield of 46,000 psi (ASTM-A500, Grade B); Longitudinal weld seam to appear flush with shaft side wall; Steel base plate with axial bolt circle slots welded flush to pole shaft having minimum yield of 36,000 psi (ASTM A36)
- BASE COVER:** Two-piece square aluminum base cover included standard
- POLE CAP:** Pole shaft supplied with removable cover when applicable; Tenon and post-top configurations also available
- HAND HOLE:** Rectangular 3x5 steel hand hole frame (2.38" x 4.38" opening); Mounting provisions for grounding lug located behind gasketed cover
- ANCHOR BOLTS:** Four galvanized anchor bolts provided per pole with minimum yield of 55,000 psi (ASTM F1554). Galvanized hardware with two washers and two nuts per bolt for leveling

Anchor bolt part numbers: 3/4 x 30 x 3 — TAB-30-M38

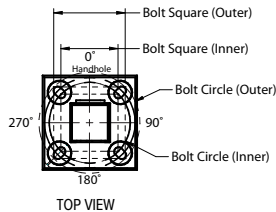
1 x 36 x 4 — TAB-36-M38

FINISH

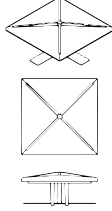
- Durable thermoset polyester powder coat paint finish with nominal 3.0 mil thickness
- Powder paint prime applied over "white metal" steel substrate cleaned via mechanical shot blast method
- Decorative finish coat available in multiple standard colors; Custom colors available; RAL number preferable

WAREHOUSE 'STOCKED' POLES:

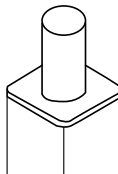
- SSSH20-40A-4-HV-DB-RDC, SSSH25-40A-4-HV-DB-RDC and SSSH30-50B-4-HV-DB-RDC
- The HV designation in the above catalog numbers is a combination drill pattern of the Current S2 pattern and the Beacon B3/B4 Viper pattern (rectangular arm mounting)



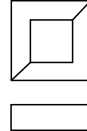
POLE CAP



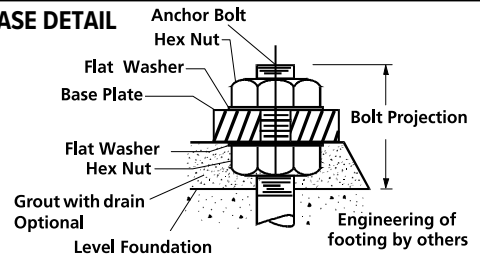
TENON



BASE COVER



BASE DETAIL



ORDERING INFORMATION

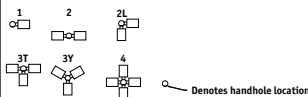
ORDERING EXAMPLE:

Reference page 2 for available configurations

SSS -B - 25 - 40 - A/B/C - 2L - B3 - BLT - UL

SERIES	HEIGHT	SHAFT	THICKNESS	MOUNTING	FINISH	OPTIONS
SSS-B Square Straight Steel Pole Beacon	Reference page 2 Ordering matrix	Reference page 2 Ordering matrix	Reference page 2 Ordering matrix	1 Single arm mount 2 Two fixtures at 180° 2L Two fixtures at 90° 3T Three fixtures at 90° 4 Four fixtures at 90° TA Tenon (2.38" OD x 4" Tall) TB Tenon (2.88" OD x 4" Tall) TC Tenon (3.5" OD x 6" Tall) TR¹ Removable Tenon (2.375 x 4.25) OT Open Top (includes pole cap)	BLT Black Matte Textured BLS Black Gloss Smooth DBT Dark Bronze Matte Textured DBS Dark Bronze Gloss Smooth GTT Graphite Matte Textured LGS Light Grey Gloss Smooth PSS Platinum Silver Smooth WHT White Matte Textured WHS White Gloss Smooth VGT Verde Green Textured Color Option CC Custom Color	GFI² 20 Amp GFCI Receptacle and Cover EHH² Extra Handhole C05² .5" Coupling C07² .75" Coupling C20² 2" Coupling MPB² Mid-pole Luminaire Bracket VM2 2nd mode vibration damper LAB Less Anchor Bolts UL UL Certified

MOUNTING ORIENTATION



- Removable tenon used in conjunction with side arm mounting. First specify desired arm configuration followed by the "TR" notation. Example: SSS-B-25-40-A-1-B1-TR-BBT
- Specify option location using logic found on page 2 (Option Orientation)
- VM1 recommended on poles 20' and taller with EPA of less than 1.

ACCESSORIES - Order Separately

Catalog Number	Description
VM1²	1st mode vibration damper
VM2SXX	2nd mode vibration damper

DRILL PATTERN

- B1** Cruiser, "AM" arm
- B3** 2 bolt (2-1/2" spacing), Viper "A" arm
- S2** 2 bolt (3-1/2" spacing), Viper "AD" arm

SSS-B Series Poles

SQUARE STRAIGHT STEEL

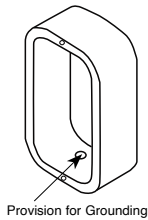
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CATALOG #:	

ORDERING INFORMATION Cont.

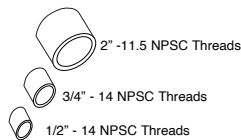
Catalog Number	Height		Nominal Shaft Dimensions	Wall Thickness	Bolt Circle (suggested)	Bolt Circle (range)	Bolt Square (range)	Base Plate Square	Anchor bolt size	Bolt Projection	Pole weight
	Feet	Meters									
SSS-B-10-40-A-XX-XX	10	3.0	4" square	.125"	9"	8" - 10"	5.66" - 7.07"	9"	3/4" x 30" x 3"	3.5	77
SSS-B-12-40-A-XX-XX	12	3.7	4" square	.125"	9"	8" - 10"	5.66" - 7.07"	9"	3/4" x 30" x 3"	3.5	90
SSS-B-14-40-A-XX-XX	14	4.3	4" square	.125"	9"	8" - 10"	5.66" - 7.07"	9"	3/4" x 30" x 3"	3.5	103
SSS-B-16-40-A-XX-XX	16	4.9	4" square	.125"	9"	8" - 10"	5.66" - 7.07"	9"	3/4" x 30" x 3"	3.5	116
SSS-B-18-40-A-XX-XX	18	5.5	4" square	.125"	9"	8" - 10"	5.66" - 7.07"	9"	3/4" x 30" x 3"	3.5	129
SSS-B-20-40-A-XX-XX	20	6.1	4" square	.125"	9"	8" - 10"	5.66" - 7.07"	9"	3/4" x 30" x 3"	3.5	142
SSS-B-25-40-A-XX-XX	25	7.6	4" square	.125"	9"	8" - 10"	5.66" - 7.07"	9"	3/4" x 30" x 3"	3.5	175
SSS-B-14-40-B-XX-XX	14	4.3	4" square	.188"	11"	10" - 12"	7.07" - 8.48"	10.50"	3/4" x 30" x 3"	3.5	152
SSS-B-16-40-B-XX-XX	16	4.9	4" square	.188"	11"	10" - 12"	7.07" - 8.48"	10.50"	3/4" x 30" x 3"	3.5	171
SSS-B-18-40-B-XX-XX	18	5.5	4" square	.188"	11"	10" - 12"	7.07" - 8.48"	10.50"	3/4" x 30" x 3"	3.5	190
SSS-B-20-40-B-XX-XX	20	6.1	4" square	.188"	11"	10" - 12"	7.07" - 8.48"	10.50"	3/4" x 30" x 3"	3.5	209
SSS-B-25-40-B-XX-XX	25	7.6	4" square	.188"	11"	10" - 12"	7.07" - 8.48"	10.50"	3/4" x 30" x 3"	3.5	257
SSS-B-30-40-B-XX-XX	30	9.1	4" square	.188"	11"	10" - 12"	7.07" - 8.48"	10.50"	3/4" x 30" x 3"	3.5	304
SSS-B-16-50-B-XX-XX	16	4.9	5" square	.188"	11"	10.25" - 13.25"	7.25" - 9.37"	11.50"	1" x 36" x 4"	4.5	219
SSS-B-18-50-B-XX-XX	18	5.5	5" square	.188"	11"	10.25" - 13.25"	7.25" - 9.37"	11.50"	1" x 36" x 4"	4.5	243
SSS-B-20-50-B-XX-XX	20	6.1	5" square	.188"	11"	10.25" - 13.25"	7.25" - 9.37"	11.50"	1" x 36" x 4"	4.5	267
SSS-B-25-50-B-XX-XX	25	7.6	5" square	.188"	11"	10.25" - 13.25"	7.25" - 9.37"	11.50"	1" x 36" x 4"	4.5	327
SSS-B-30-50-B-XX-XX	30	9.1	5" square	.188"	11"	10.25" - 13.25"	7.25" - 9.37"	11.50"	1" x 36" x 4"	4.5	387
SSS-B-25-50-C-XX-XX	25	7.6	5" square	.25"	11"	10.25" - 13.25"	7.25" - 9.37"	11.50"	1" x 36" x 4"	4.5	427
SSS-B-30-50-C-XX-XX	30	9.1	5" square	.25"	11"	10.25" - 13.25"	7.25" - 9.37"	11.50"	1" x 36" x 4"	4.5	507
SSS-B-20-60-B-XX-XX	20	6.1	6" square	.188"	12"	11.00" - 13.25"	7.81" - 9.37"	12.25"	1" x 36" x 6"	4.5	329
SSS-B-25-60-B-XX-XX	25	7.6	6" square	.188"	12"	11.00" - 13.25"	7.81" - 9.37"	12.25"	1" x 36" x 6"	4.5	404
SSS-B-30-60-B-XX-XX	30	9.1	6" square	.188"	12"	11.00" - 13.25"	7.81" - 9.37"	12.25"	1" x 36" x 6"	4.5	479
SSS-B-35-60-B-XX-XX	35	10.7	6" square	.188"	12"	11.00" - 13.25"	7.81" - 9.37"	12.25"	1" x 36" x 6"	4.5	554
SSS-B-40-60-B-XX-XX	40	12.2	6" square	.188"	12"	11.00" - 13.25"	7.81" - 9.37"	12.25"	1" x 36" x 6"	4.5	629

NOTE Factory supplied template must be used when setting anchor bolts. Beacon Products will deny any claim for incorrect anchorage placement resulting from failure to use factory supplied template and anchor bolts.

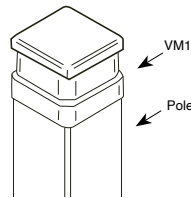
EHH - EXTRA HANDHOLE



C05 - C07 - C20 - COUPLING



VM1 - VIBRATION DAMPER 1ST MODE



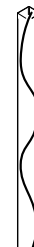
Field Installed Pole Top damper designed to reduce pole top deflection or sway. VM1 is recommended for pole systems 25' and taller with a total EPA of 1.0 or less.

VM2 - VIBRATION DAMPER 2ND MODE



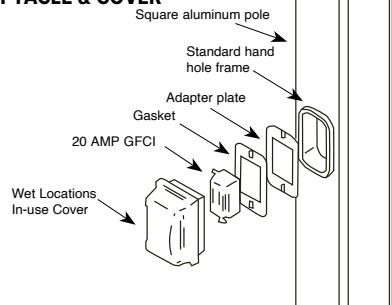
Factory installed, internal damper designed to alter pole resonance to reduce movement and material fatigue caused by 2nd mode vibration.

VM2SXX - VIBRATION DAMPER 2ND MODE

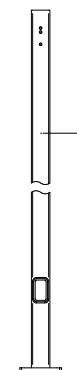
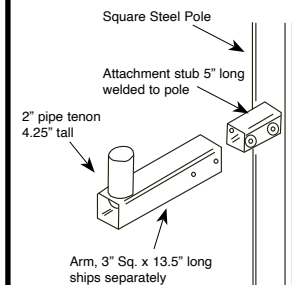


VM2S08 - 8'
VM2S12 - 12'
VM2S16 - 16'
VM2S20 - 20'
VM2S24 - 24'

GFI - 20 AMP GFCI RECEPTACLE & COVER

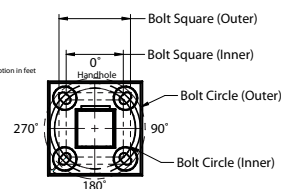


MPB - MID POLE BRACKET



OPTION ORIENTATION

Follow the logic below when ordering location specific options. For each option, include its orientation (in degrees) and its height (in feet). Example: Option C07 should be ordered as: **SSS-B-20-40-A-TA-DB-C05-0-15** (.5" coupling on the handhole/arm side of pole, 15 feet up from the pole base) 1" spacing required between option. Consult factory for other configurations.



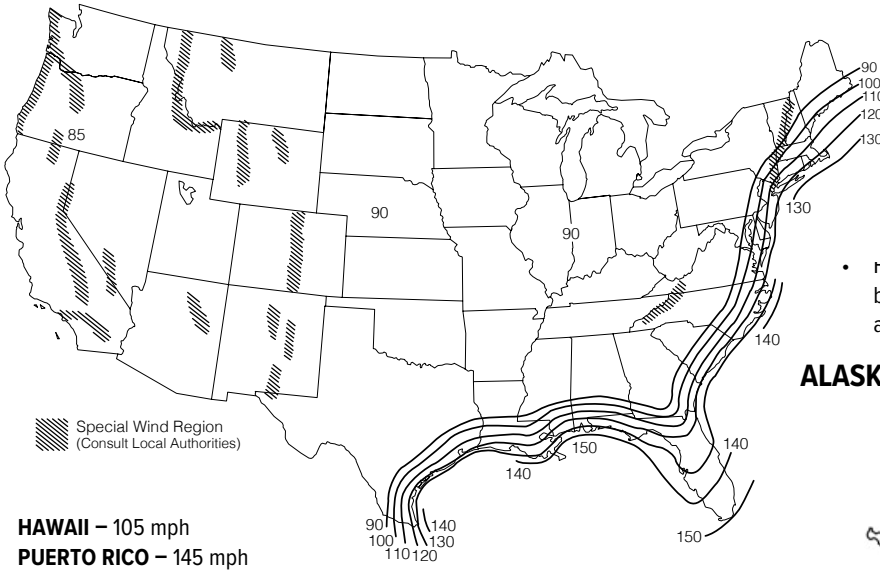
For more information about pole vibration and vibration dampers, please consult our website.
Due to our continued efforts to improve our products, product specifications are subject to change without notice.

SSS-B Series Poles

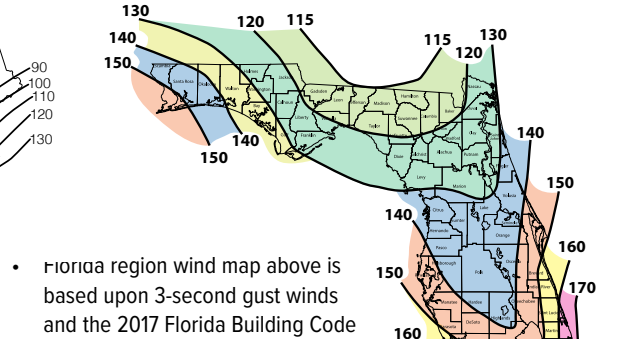
SQUARE STRAIGHT STEEL

DATE:	LOCATION:
TYPE:	PROJECT:
CATALOG #:	

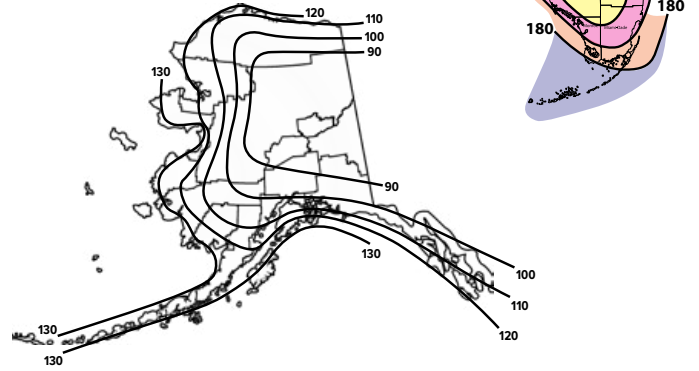
ASCE7-05 WIND MAP



FLORIDA REGION WIND MAP



ALASKA REGION WIND MAP



ASCE 7-05 wind map EPA Load Rating - 3 second gust wind speeds (Use for all locations except Florida)										
Catalog Number	85	90	100	105	110	120	130	140	145	150
SSS-B-10-40-A	25.0	25.0	25.0	22.8	20.6	17.0	14.2	11.9	11.0	10.1
SSS-B-12-40-A	25.0	25.0	20.0	18.0	16.1	13.2	10.8	8.9	8.1	7.4
SSS-B-14-40-A	23.1	20.4	16.1	14.3	12.8	10.2	8.2	6.6	5.9	5.3
SSS-B-16-40-A	19.0	16.7	13.0	11.5	10.1	7.9	6.2	4.7	4.1	3.6
SSS-B-18-40-A	15.6	13.6	10.0	9.0	7.8	5.9	4.4	3.1	2.6	2.1
SSS-B-20-40-A	12.7	10.9	7.9	6.9	5.9	4.2	2.8	1.7	1.3	0.9
SSS-B-25-40-A	7.3	5.9	3.8	2.9	2.1	0.8	NR	NR	NR	NR
SSS-B-14-40-B	25.0	25.0	23.3	20.8	18.6	15.1	12.3	10.2	9.2	8.4
SSS-B-16-40-B	25.0	24.9	19.4	17.3	15.4	12.3	9.9	8.0	7.2	6.4
SSS-B-18-40-B	24.0	20.8	16.1	14.2	12.5	9.8	7.7	6.1	5.3	4.7
SSS-B-20-40-B	20.2	17.5	13.2	11.6	10.1	7.7	5.9	4.4	3.8	3.2
SSS-B-25-40-B	12.8	11.0	7.9	6.7	5.5	3.7	2.3	1.2	0.7	NR
SSS-B-30-40-B	8.0	6.6	4.1	3.1	2.2	0.8	NR	NR	NR	NR
SSS-B-16-50-B	25.0	25.0	25.0	25.0	24.8	20.1	16.5	13.6	12.3	11.2
SSS-B-18-50-B	25.0	25.0	25.0	22.9	20.4	16.4	13.2	10.7	9.6	8.6
SSS-B-20-50-B	25.0	25.0	21.3	18.9	16.7	13.2	10.4	8.1	7.2	6.3
SSS-B-25-50-B	20.7	17.8	13.3	11.5	9.8	7.2	5.0	3.3	2.6	1.9
SSS-B-30-50-B	13.5	11.3	7.7	6.2	4.9	2.8	1.1	NR	NR	NR
SSS-B-25-50-C	25.0	25.0	19.4	17.1	15.1	11.7	9.0	6.9	6.0	5.1
SSS-B-30-50-C	20.1	17.3	12.7	10.9	9.3	6.6	4.5	2.8	2.1	1.4
SSS-B-20-60-B	25.0	25.0	25.0	25.0	25.0	20.2	16.1	12.9	11.5	10.3
SSS-B-25-60-B	25.0	25.0	20.6	18.0	15.6	11.8	8.7	6.2	5.2	4.2
SSS-B-30-60-B	21.4	18.1	12.9	10.7	8.8	5.7	3.3	1.3	NR	NR
SSS-B-35-60-B	14.0	11.3	6.9	5.2	3.6	1.0	NR	NR	NR	NR
SSS-B-40-60-B	8.1	5.8	2.2	nr	NR	NR	NR	NR	NR	NR

Florida Building Code 2017 EPA Load Rating - 3 second gust wind speeds (Use for Florida only)								
Catalog Number	115	120	130	140	150	160	170	180
SSS-B-10-40-A	25.0	25.0	25.0	25.0	21.4	18.4	15.9	13.9
SSS-B-12-40-A	25.0	25.0	23.6	19.8	16.7	14.2	12.1	10.4
SSS-B-14-40-A	25.0	23.1	19.0	15.7	13.1	10.9	9.1	7.6
SSS-B-16-40-A	20.8	18.7	15.2	12.3	10.1	8.2	6.7	5.4
SSS-B-18-40-A	16.8	15.0	11.9	9.4	7.5	5.9	4.5	3.4
SSS-B-20-40-A	13.6	11.9	9.2	7.1	5.3	3.9	2.7	1.7
SSS-B-25-40-A	7.4	6.2	4.1	2.5	1.1	NR	NR	NR
SSS-B-14-40-B	25.0	23.6	19.4	16.1	13.4	11.2	9.4	7.8
SSS-B-16-40-B	21.4	19.2	15.6	12.7	10.4	8.5	6.9	5.6
SSS-B-18-40-B	17.2	15.4	12.2	9.7	7.7	6.1	4.7	3.6
SSS-B-20-40-B	13.9	12.3	9.5	7.3	5.5	4.1	2.9	1.9
SSS-B-25-40-B	7.7	6.4	4.3	2.6	1.3	NR	NR	NR
SSS-B-30-40-B	3.2	2.1	NR	NR	NR	NR	NR	NR
SSS-B-16-50-B	25.0	25.0	25.0	25.0	25.0	21.4	18.2	15.5
SSS-B-18-50-B	25.0	25.0	25.0	24.4	20.4	17.0	14.2	11.9
SSS-B-20-50-B	25.0	25.0	24.4	19.9	16.3	13.4	11.0	8.9
SSS-B-25-50-B	21.8	19.3	15.0	11.5	8.8	6.5	4.7	3.1
SSS-B-30-50-B	13.7	11.7	8.2	5.5	3.3	1.5	NR	NR
SSS-B-25-50-C	21.8	19.3	15.0	11.5	8.8	6.5	4.7	3.1
SSS-B-30-50-C	13.7	11.7	8.2	5.5	3.3	1.5	NR	NR
SSS-B-20-60-B	25.0	25.0	25.0	21.9	17.8	14.5	11.7	9.4
SSS-B-25-60-B	23.8	20.9	16.1	12.3	9.2	6.6	4.5	2.8
SSS-B-30-60-B	14.6	12.3	8.4	5.3	2.8	0.8	NR	NR
SSS-B-35-60-B	7.5	5.6	2.4	NR	NR	NR	NR	NR
SSS-B-40-60-B	1.8	NR	NR	NR	NR	NR	NR	NR



SSS-B Series Poles

SQUARE STRAIGHT STEEL

DATE:	LOCATION:
TYPE:	PROJECT:
CATALOG #:	

NOTES

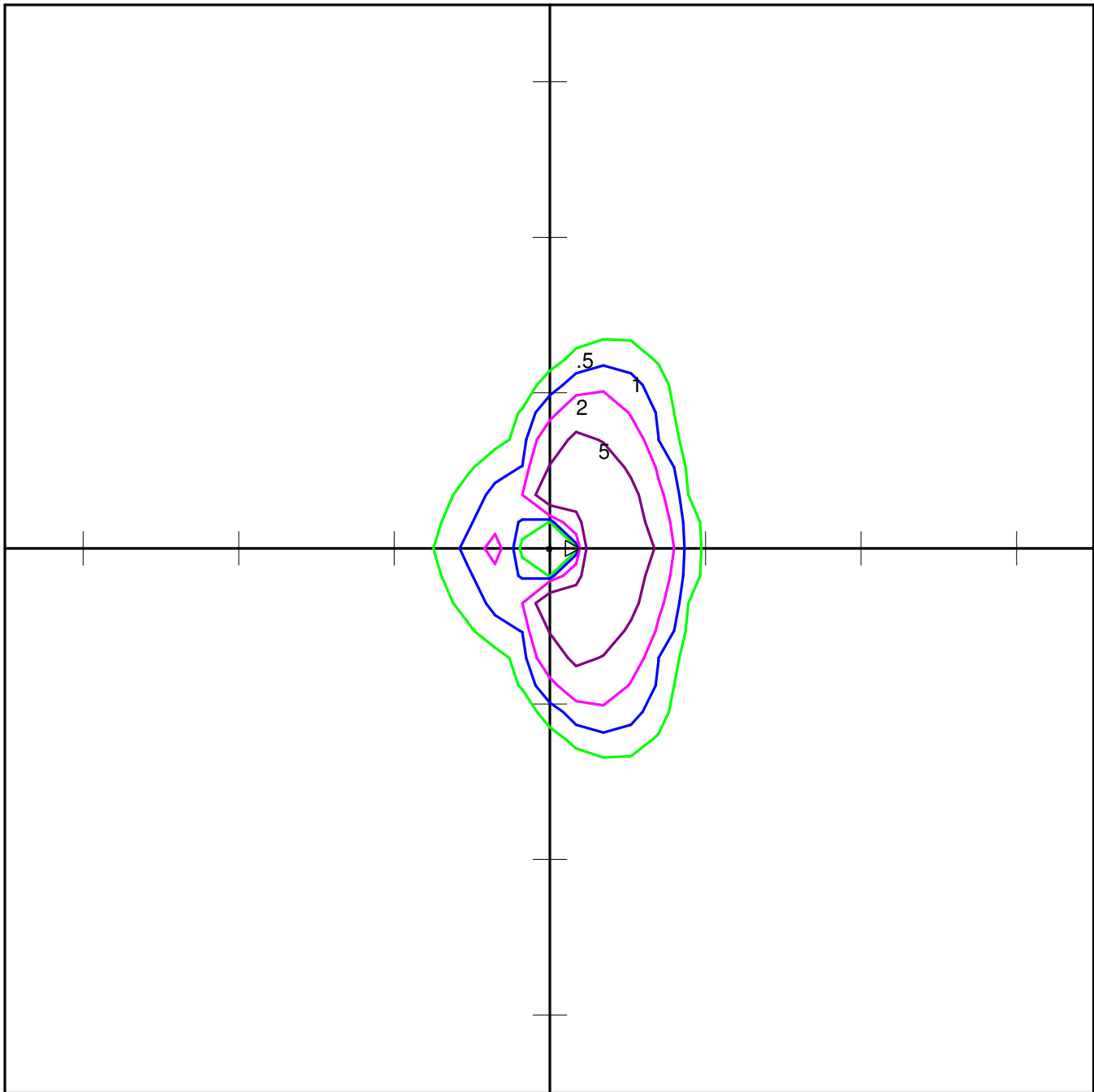
Wind-speed Website disclaimer:

Current has no connection to the linked website and makes no representations as to its accuracy. While the information presented on this third-party website provides a useful starting point for analyzing wind conditions, Current has not verified any of the information on this third party website and assumes no responsibility or liability for its accuracy. The material presented in the windspeed website should not be used or relied upon for any specific application without competent examination and verification of its accuracy, suitability and applicability by engineers or other licensed professionals. Current does not intend that the use of this information replace the sound judgment of such competent professionals, having experience and knowledge in the field of practice, nor to substitute for the standard of care required of such professionals in interpreting and applying the results of the windspeed report provided by this website. Users of the information from this third party website assume all liability arising from such use. Use of the output of these referenced websites do not imply approval by the governing building code bodies responsible for building code approval and interpretation for the building site described by latitude/longitude location in the windspeed report. <http://windspeed.atcouncil.org>

NOTES

- Allowable EPA, to determine max pole loading weight, multiply allowable EPA by 30 lbs.
- The tables for allowable pole EPA are based on the ASCE 7-05 Wind Map or the Florida Region Wind Map for the 2010 Florida Building Code. The Wind Maps are intended only as a general guide and cannot be used in conjunction with other maps. Always consult local authorities to determine maximum wind velocities, gusting and unique wind conditions for each specific application
- Allowable pole EPA for jobsite wind conditions must be equal to or greater than the total EPA for fixtures, arms, and accessories to be assembled to the pole. Responsibility lies with the specifier for correct pole selection. Installation of poles without luminaires or attachment of any unauthorized accessories to poles is discouraged and shall void the manufacturer's warranty
- Wind speeds and listed EPAs are for ground mounted installations. Poles mounted on structures (such as bridges and buildings) must consider vibration and coefficient of height factors beyond this general guide; Consult local and federal standards
- Wind Induced Vibration brought on by steady, unidirectional winds and other unpredictable aerodynamic forces are not included in wind velocity ratings.
- Extreme Wind Events like, Hurricanes, Typhoons, Cyclones, or Tornadoes may expose poles to flying debris, wind shear or other detrimental effects not included in wind velocity ratings

Due to our continued efforts to improve our products, product specifications are subject to change without notice.



KIM LIGHTING
PA7R-NU3-12L-020-3K7
PA7R
C-70-CRI
DATA SHOWN IS ABSOLUTE.

Horizontal Footcandles
Scale: 1 Inch = 10 Ft.
Light Loss Factor = 0.90
Lumens Per Lamp = N.A. (absolute photometry)
Luminaire Lumens = 1128
Mounting Height = 3.50 Ft
Maximum Calculated Value = 13.97 Fc
Arrangement: Single

PHOTOMETRIC FILENAME : PA7R-NU3-12L-020-3K7.IES

DESCRIPTIVE INFORMATION (From Photometric File)

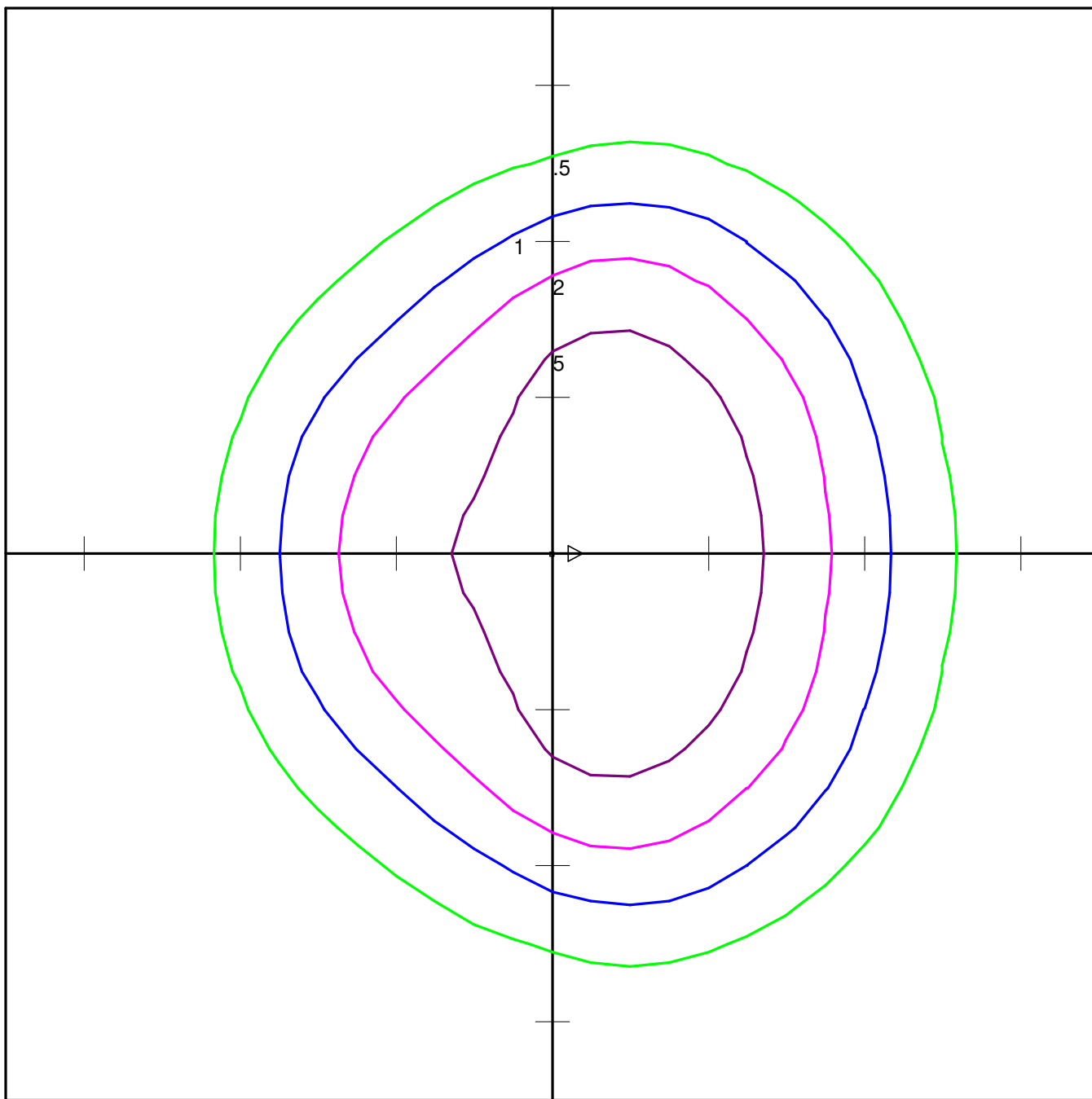
KIM LIGHTING
PA7R-NU3-12L-020-3K7
PA7R
C-70-CRI
DATA SHOWN IS ABSOLUTE.

TEMPLATE SPECIFICATION

Horizontal Footcandles
Scale: 1 Inch = 10 Ft.
Light Loss Factor = 0.90
Lumens Per Lamp = N.A. (absolute photometry)
Luminaire Lumens = 1128
Mounting Height = 3.50 Ft
Maximum Calculated Value = 13.97 Fc
Arrangement: Single

LUMINAIRE LAYOUT INFORMATION

<u>#</u>	<u>X</u>	<u>Y</u>	<u>Z</u>	<u>Orient</u>	<u>Tilt</u>	<u>Roll</u>	<u>Spin</u>	<u>Tilt Correction</u>
1	0.00	0.00	3.50	0.00	0.00	0.00	0.00	1.00



Kim Lighting
 UR20-68L-80-3K7-3-HDL-PT
 UR20
 C-70-CRI

Horizontal Footcandles
 Scale: 1 Inch = 10 Ft.
 Light Loss Factor = 0.90
 Lumens Per Lamp = N.A. (absolute photometry)
 Luminaire Lumens = 7853
 Mounting Height = 12.00 Ft
 Maximum Calculated Value = 12.30 Fc
 Arrangement: Single

PHOTOMETRIC FILENAME : UR20-68L-80-3K7-3-HDL-PT.IES

DESCRIPTIVE INFORMATION (From Photometric File)

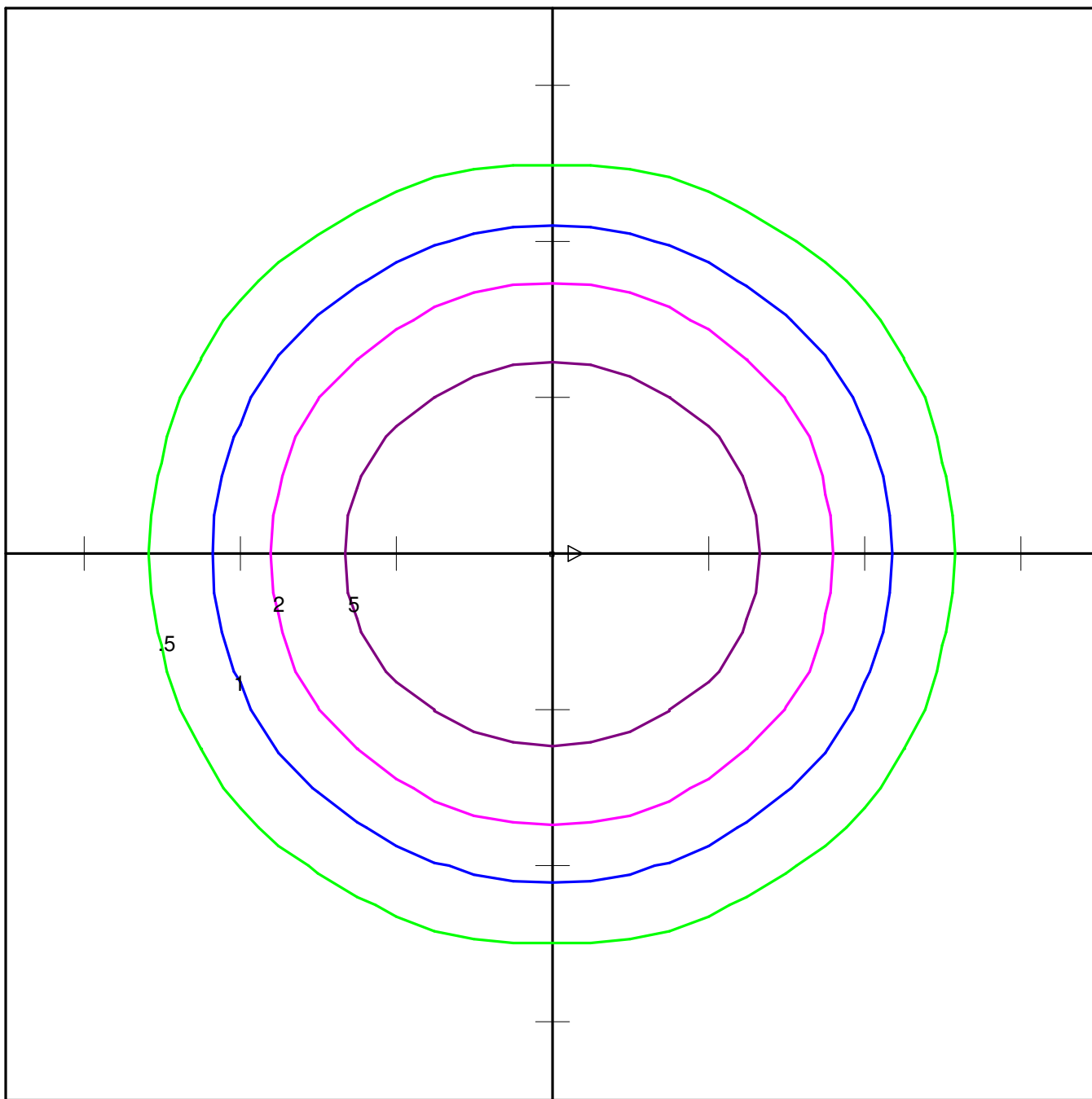
Kim Lighting
UR20-68L-80-3K7-3-HDL-PT
UR20
C-70-CRI

TEMPLATE SPECIFICATION

Horizontal Footcandles
Scale: 1 Inch = 10 Ft.
Light Loss Factor = 0.90
Lumens Per Lamp = N.A. (absolute photometry)
Luminaire Lumens = 7853
Mounting Height = 12.00 Ft
Maximum Calculated Value = 12.30 Fc
Arrangement: Single

LUMINAIRE LAYOUT INFORMATION

<u>#</u>	<u>X</u>	<u>Y</u>	<u>Z</u>	<u>Orient</u>	<u>Tilt</u>	<u>Roll</u>	<u>Spin</u>	<u>Tilt Correction</u>
1	0.00	0.00	12.00	0.00	0.00	0.00	0.00	1.00



Kim Lighting
UR20-68L-80-3K7-5W-HDL-PT
UR20
C-70-CRI

Horizontal Footcandles
Scale: 1 Inch = 10 Ft.
Light Loss Factor = 0.90
Lumens Per Lamp = N.A. (absolute photometry)
Luminaire Lumens = 8080
Mounting Height = 12.00 Ft
Maximum Calculated Value = 8.45 Fc
Arrangement: Single

PHOTOMETRIC FILENAME : UR20-68L-80-3K7-5W-HDL-PT.IES

DESCRIPTIVE INFORMATION (From Photometric File)

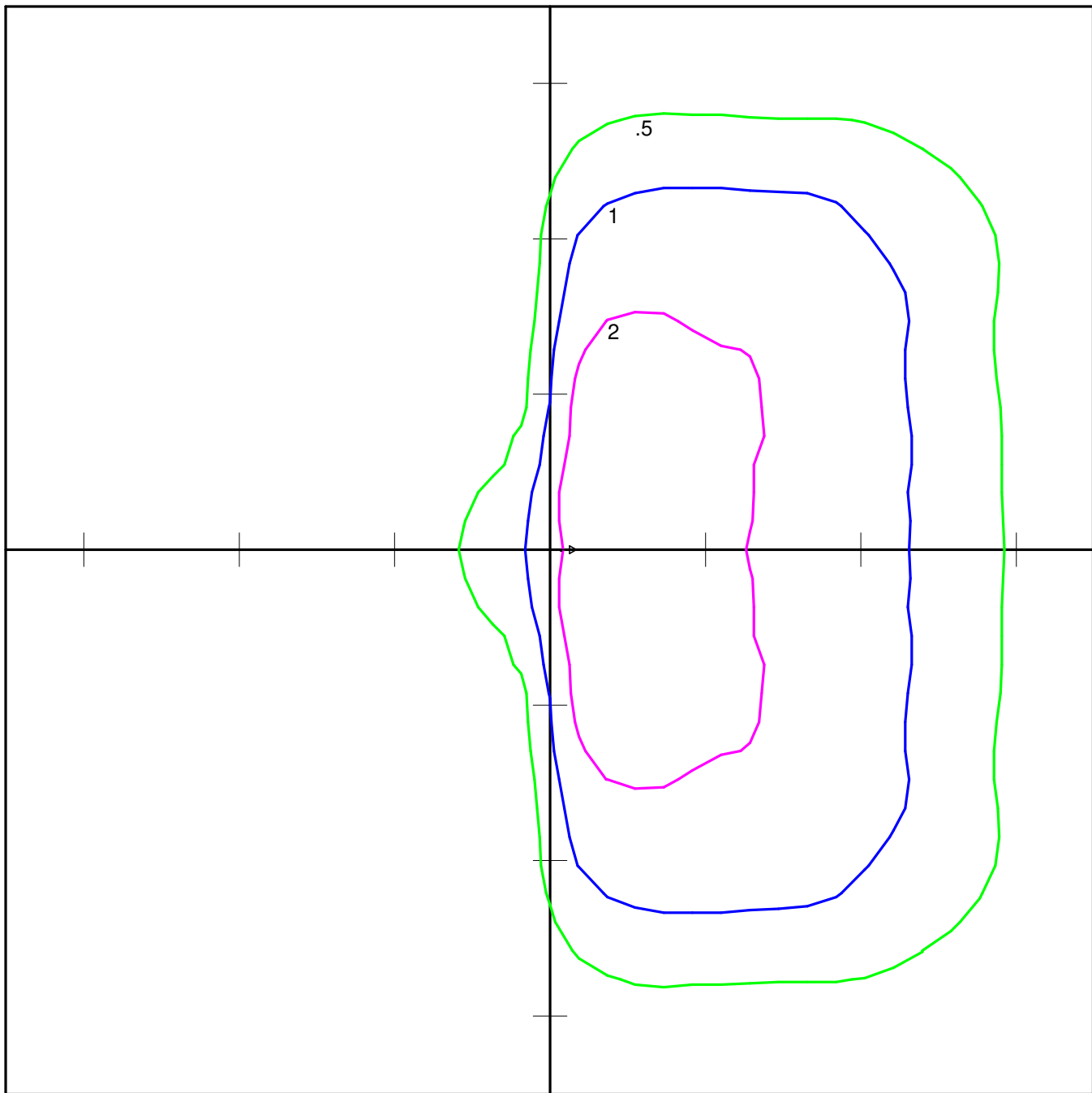
Kim Lighting
UR20-68L-80-3K7-5W-HDL-PT
UR20
C-70-CRI

TEMPLATE SPECIFICATION

Horizontal Footcandles
Scale: 1 Inch = 10 Ft.
Light Loss Factor = 0.90
Lumens Per Lamp = N.A. (absolute photometry)
Luminaire Lumens = 8080
Mounting Height = 12.00 Ft
Maximum Calculated Value = 8.45 Fc
Arrangement: Single

LUMINAIRE LAYOUT INFORMATION

<u>#</u>	<u>X</u>	<u>Y</u>	<u>Z</u>	<u>Orient</u>	<u>Tilt</u>	<u>Roll</u>	<u>Spin</u>	<u>Tilt Correction</u>
1	0.00	0.00	12.00	0.00	0.00	0.00	0.00	1.00



BEACON
 Beacon Products
 VP-L-64L-135-3K7-4W
 Large Viper w/ New Type IV-W Lens.
 64- Cree 3000K LEDs
 DATA SHOWN IS SCALED FROM TEST 18.00847

Horizontal Footcandles
 Scale: 1 Inch = 20 Ft.
 Light Loss Factor = 0.90
 Lumens Per Lamp = N.A. (absolute photometry)
 Luminaire Lumens = 13237
 Mounting Height = 18.00 Ft
 Maximum Calculated Value = 3.67 Fc
 Arrangement: Single
 Arm Length = 1.5 Ft

PHOTOMETRIC FILENAME : VP-L-64L-135-3K7-4W.IES

DESCRIPTIVE INFORMATION (From Photometric File)

BEACON

Beacon Products

VP-L-64L-135-3K7-4W

Large Viper w/ New Type IV-W Lens.

64- Cree 3000K LEDs

DATA SHOWN IS SCALED FROM TEST 18.00847

TEMPLATE SPECIFICATION

Horizontal Footcandles

Scale: 1 Inch = 20 Ft.

Light Loss Factor = 0.90

Lumens Per Lamp = N.A. (absolute photometry)

Luminaire Lumens = 13237

Mounting Height = 18.00 Ft

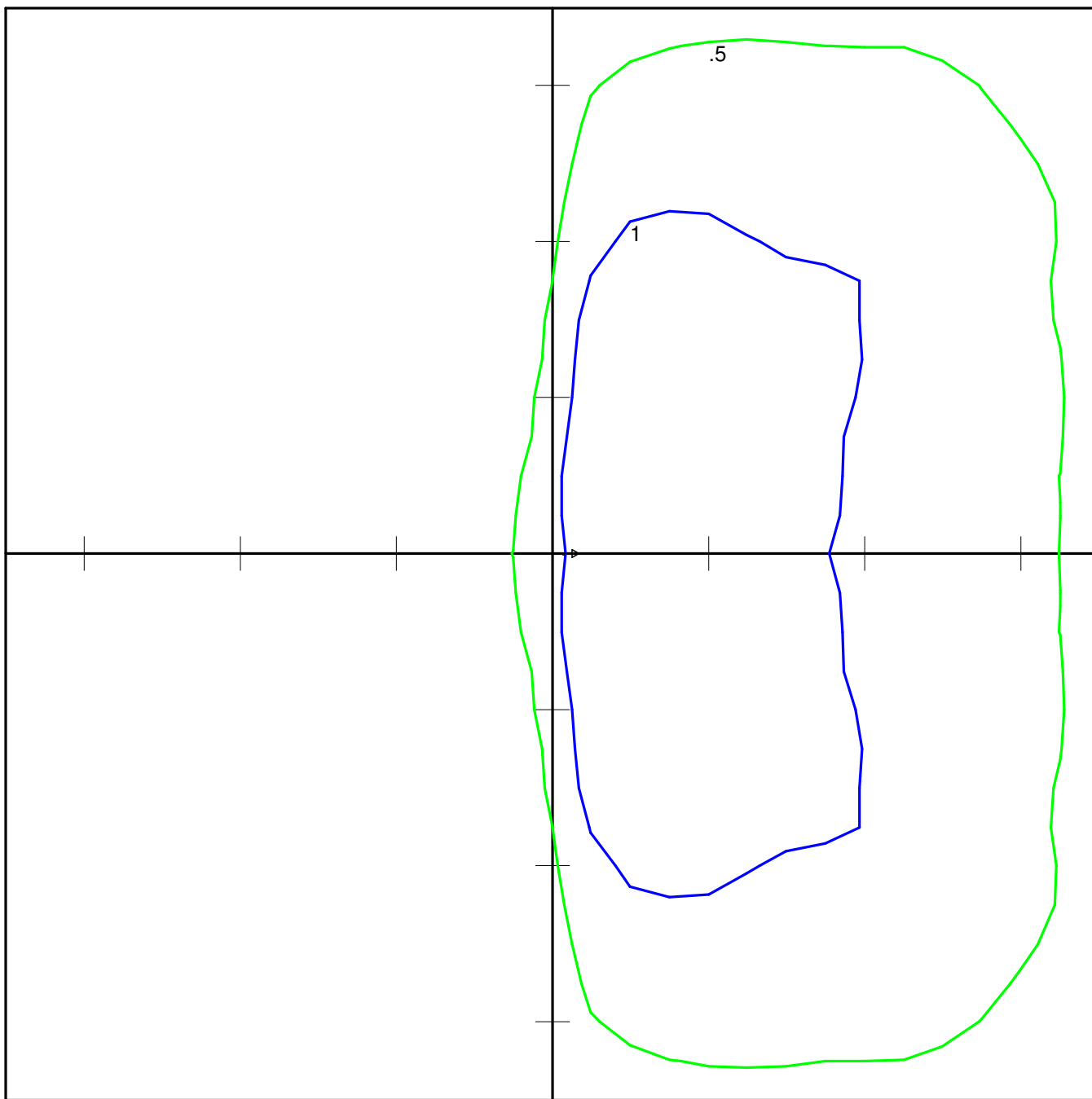
Maximum Calculated Value = 3.67 Fc

Arrangement: Single

Arm Length = 1.5 Ft

LUMINAIRE LAYOUT INFORMATION

<u>#</u>	<u>X</u>	<u>Y</u>	<u>Z</u>	<u>Orient</u>	<u>Tilt</u>	<u>Roll</u>	<u>Spin</u>	<u>Tilt Correction</u>
1	1.50	0.00	18.00	0.00	0.00	0.00	0.00	1.00



BEACON
 Beacon Products
 VP-L-64L-135-3K7-4W
 Large Viper w/ New Type IV-W Lens.
 64- Cree 3000K LEDs
 DATA SHOWN IS SCALED FROM TEST 18.00847

Horizontal Footcandles
 Scale: 1 Inch = 20 Ft.
 Light Loss Factor = 0.90
 Lumens Per Lamp = N.A. (absolute photometry)
 Luminaire Lumens = 13237
 Mounting Height = 25.00 Ft
 Maximum Calculated Value = 1.89 Fc
 Arrangement: Single
 Arm Length = 1.5 Ft

PHOTOMETRIC FILENAME : VP-L-64L-135-3K7-4W.IES

DESCRIPTIVE INFORMATION (From Photometric File)

BEACON

Beacon Products

VP-L-64L-135-3K7-4W

Large Viper w/ New Type IV-W Lens.

64- Cree 3000K LEDs

DATA SHOWN IS SCALED FROM TEST 18.00847

TEMPLATE SPECIFICATION

Horizontal Footcandles

Scale: 1 Inch = 20 Ft.

Light Loss Factor = 0.90

Lumens Per Lamp = N.A. (absolute photometry)

Luminaire Lumens = 13237

Mounting Height = 25.00 Ft

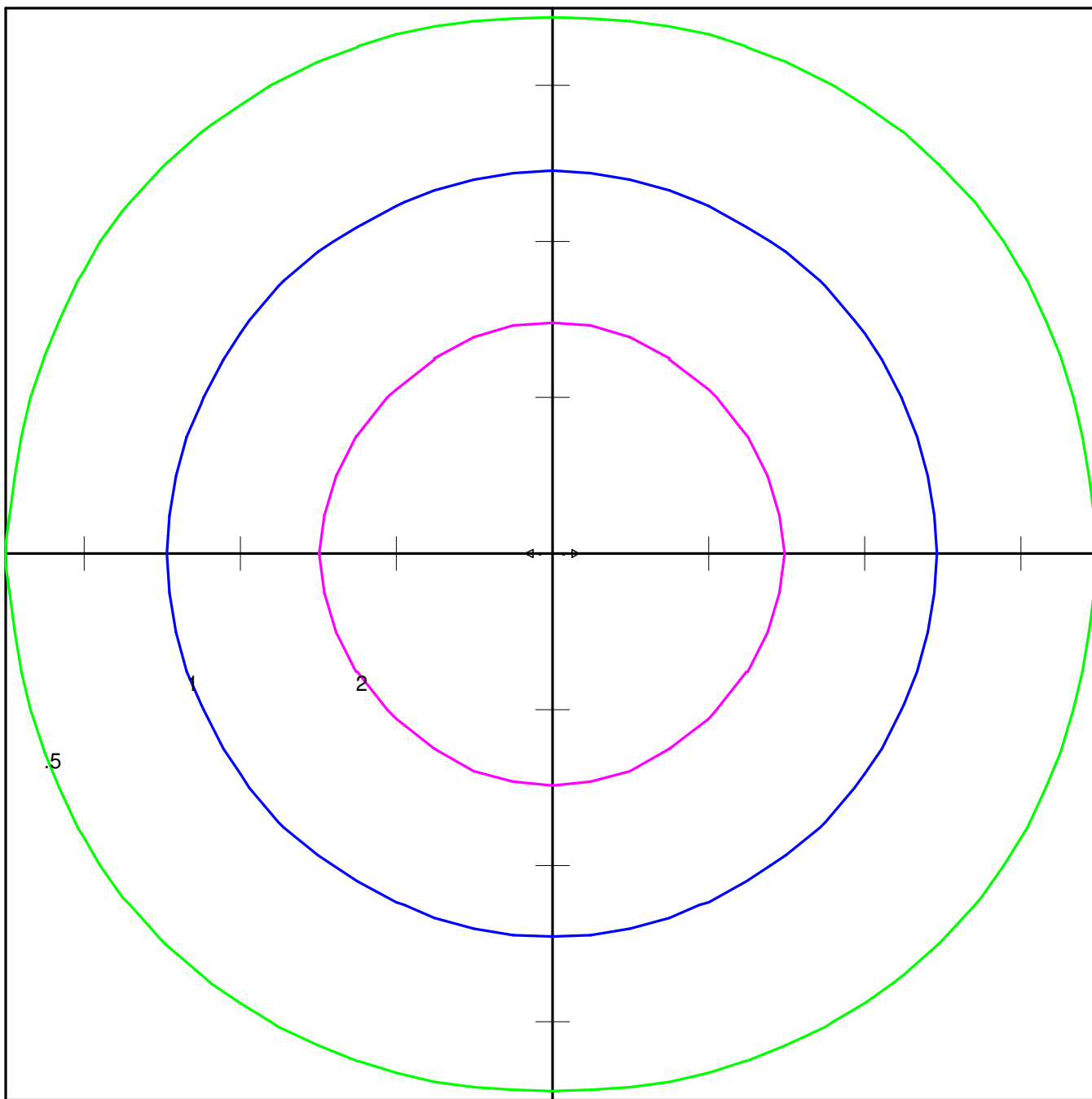
Maximum Calculated Value = 1.89 Fc

Arrangement: Single

Arm Length = 1.5 Ft

LUMINAIRE LAYOUT INFORMATION

<u>#</u>	<u>X</u>	<u>Y</u>	<u>Z</u>	<u>Orient</u>	<u>Tilt</u>	<u>Roll</u>	<u>Spin</u>	<u>Tilt Correction</u>
1	1.50	0.00	25.00	0.00	0.00	0.00	0.00	1.00



Hubbell Lighting Inc, dba Beacon Products
 Beacon Products
 VP-L-64L-135-3K7-5W
 LARGE VIPER
 X-70-CRI
 DATA SHOWN IS ABSOLUTE

Horizontal Footcandles
 Scale: 1 Inch = 20 Ft.
 Light Loss Factor = 0.90
 Lumens Per Lamp = N.A. (absolute photometry)
 Luminaire Lumens = 14797
 Mounting Height = 25.00 Ft
 Maximum Calculated Value = 3.84 Fc
 Arrangement: 2 @ 180 Deg (back-back)
 Arm Length = 1.5 Ft

PHOTOMETRIC FILENAME : VP-L-64L-135-3K7-5W.IES

DESCRIPTIVE INFORMATION (From Photometric File)

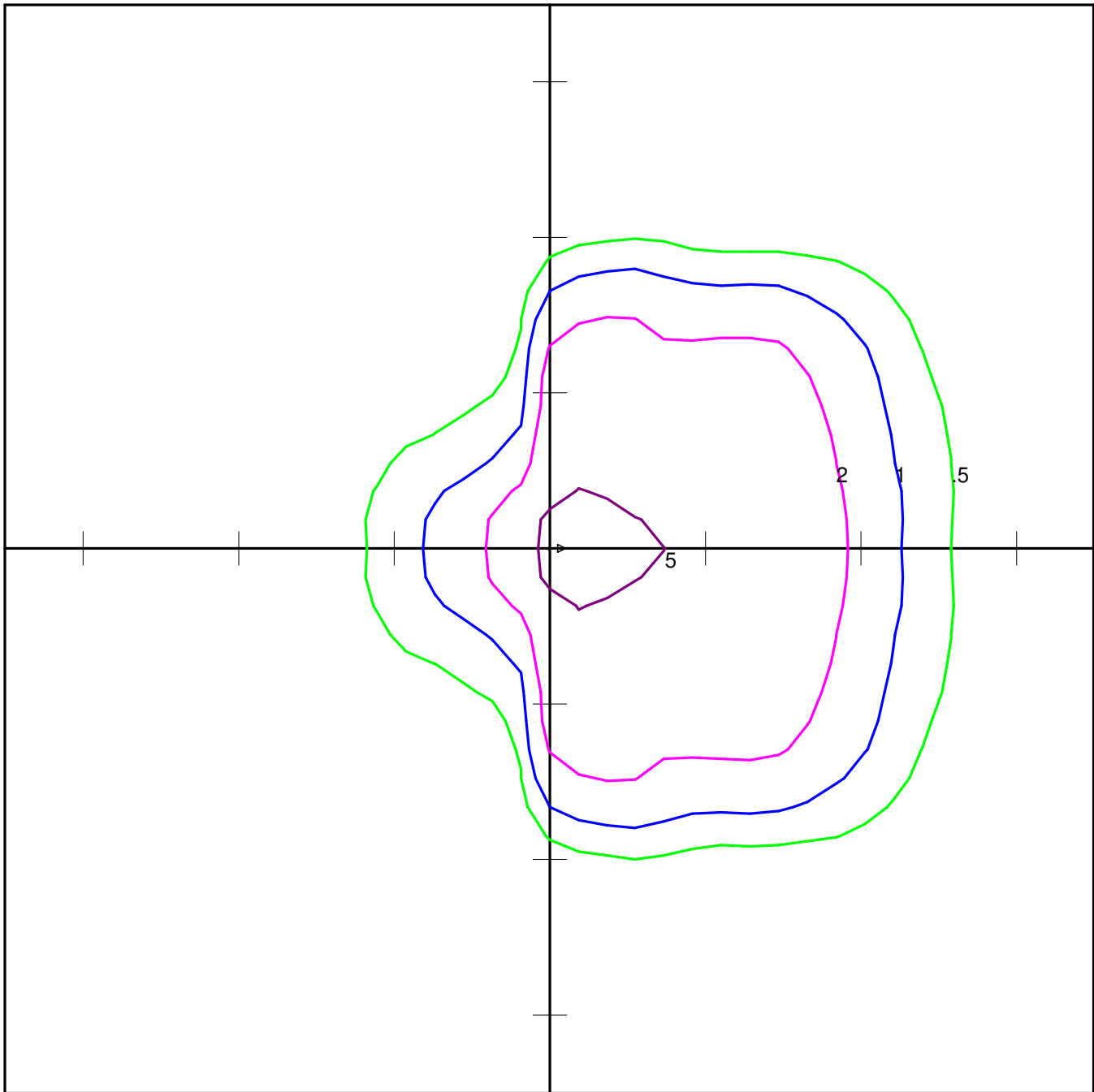
Hubbell Lighting Inc, dba Beacon Products
Beacon Products
VP-L-64L-135-3K7-5W
LARGE VIPER
X-70-CRI
DATA SHOWN IS ABSOLUTE

TEMPLATE SPECIFICATION

Horizontal Footcandles
Scale: 1 Inch = 20 Ft.
Light Loss Factor = 0.90
Lumens Per Lamp = N.A. (absolute photometry)
Luminaire Lumens = 14797
Mounting Height = 25.00 Ft
Maximum Calculated Value = 3.84 Fc
Arrangement: 2 @ 180 Deg (back-back)
Arm Length = 1.5 Ft

LUMINAIRE LAYOUT INFORMATION

<u>#</u>	<u>X</u>	<u>Y</u>	<u>Z</u>	<u>Orient</u>	<u>Tilt</u>	<u>Roll</u>	<u>Spin</u>	<u>Tilt Correction</u>
1	1.50	0.00	25.00	0.00	0.00	0.00	0.00	1.00
2	-1.50	0.00	25.00	180.00	0.00	0.00	0.00	1.00



KIM LIGHTING
WDM-D-48L-105-4K7-4F
WDM
C-70-CRI
DATA SHOWN IS ABSOLUTE.

Horizontal Footcandles
Scale: 1 Inch = 20 Ft.
Light Loss Factor = 0.90
Lumens Per Lamp = N.A. (absolute photometry)
Luminaire Lumens = 12405
Mounting Height = 18.00 Ft
Maximum Calculated Value = 6.80 Fc
Arrangement: Single

PHOTOMETRIC FILENAME : WDM-D-48L-105-4K7-4F.IES

DESCRIPTIVE INFORMATION (From Photometric File)

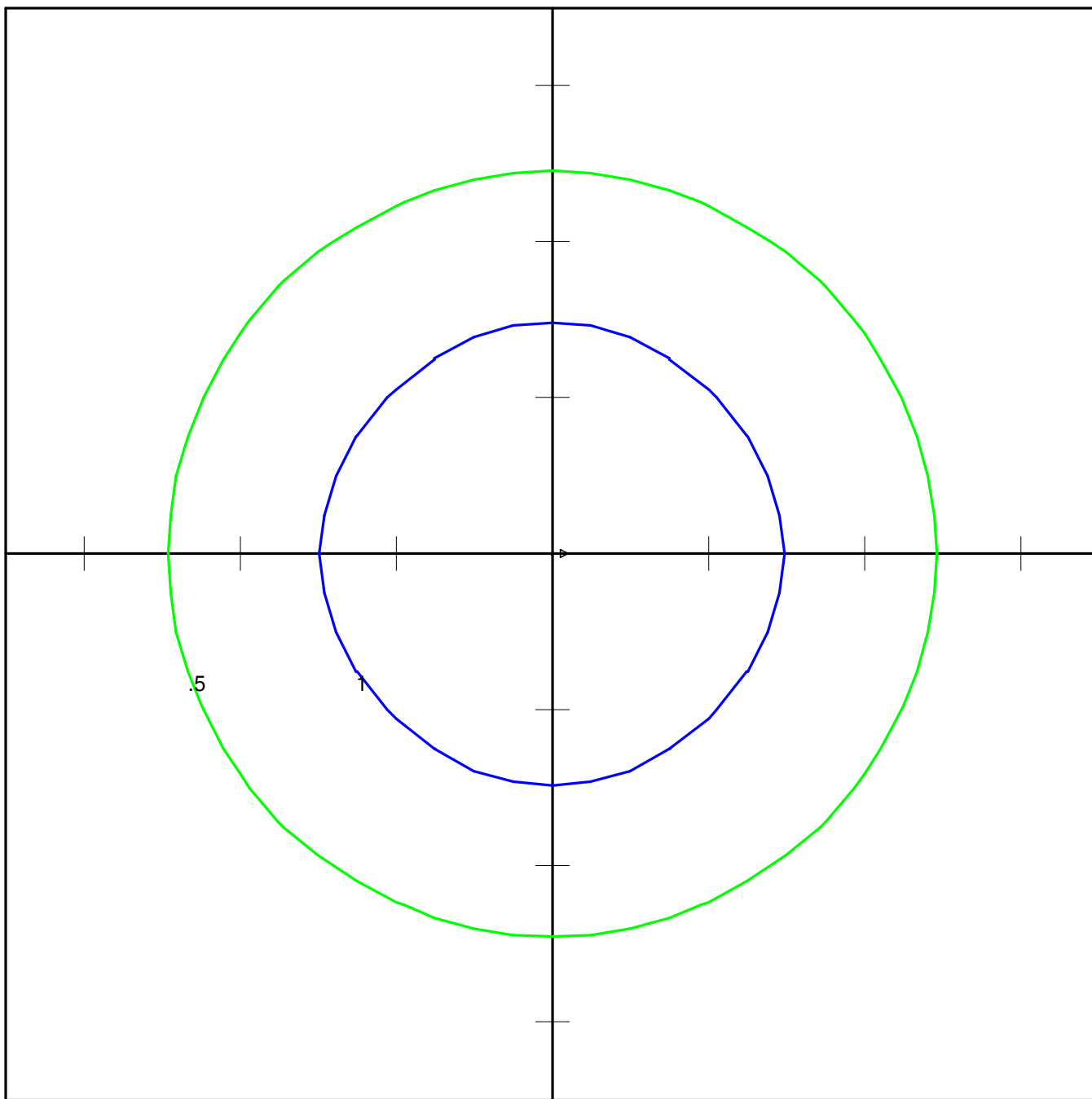
KIM LIGHTING
WDM-D-48L-105-4K7-4F
WDM
C-70-CRI
DATA SHOWN IS ABSOLUTE.

TEMPLATE SPECIFICATION

Horizontal Footcandles
Scale: 1 Inch = 20 Ft.
Light Loss Factor = 0.90
Lumens Per Lamp = N.A. (absolute photometry)
Luminaire Lumens = 12405
Mounting Height = 18.00 Ft
Maximum Calculated Value = 6.80 Fc
Arrangement: Single

LUMINAIRE LAYOUT INFORMATION

<u>#</u>	<u>X</u>	<u>Y</u>	<u>Z</u>	<u>Orient</u>	<u>Tilt</u>	<u>Roll</u>	<u>Spin</u>	<u>Tilt Correction</u>
1	0.00	0.00	18.00	0.00	0.00	0.00	0.00	1.00



Hubbell Lighting Inc, dba Beacon Products
Beacon Products
VP-L-64L-135-3K7-5W
LARGE VIPER
X-70-CRI
DATA SHOWN IS ABSOLUTE

Horizontal Footcandles
Scale: 1 Inch = 20 Ft.
Light Loss Factor = 0.90
Lumens Per Lamp = N.A. (absolute photometry)
Luminaire Lumens = 14797
Mounting Height = 25.00 Ft
Maximum Calculated Value = 1.97 Fc
Arrangement: Single

PHOTOMETRIC FILENAME : VP-L-64L-135-3K7-5W.IES

DESCRIPTIVE INFORMATION (From Photometric File)

Hubbell Lighting Inc, dba Beacon Products
Beacon Products
VP-L-64L-135-3K7-5W
LARGE VIPER
X-70-CRI
DATA SHOWN IS ABSOLUTE

TEMPLATE SPECIFICATION

Horizontal Footcandles
Scale: 1 Inch = 20 Ft.
Light Loss Factor = 0.90
Lumens Per Lamp = N.A. (absolute photometry)
Luminaire Lumens = 14797
Mounting Height = 25.00 Ft
Maximum Calculated Value = 1.97 Fc
Arrangement: Single

LUMINAIRE LAYOUT INFORMATION

<u>#</u>	<u>X</u>	<u>Y</u>	<u>Z</u>	<u>Orient</u>	<u>Tilt</u>	<u>Roll</u>	<u>Spin</u>	<u>Tilt Correction</u>
1	0.00	0.00	25.00	0.00	0.00	0.00	0.00	1.00