

Scaled data based on original data using
LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-
State Lighting Products

Test Report Prepared for
Cooper Lighting Solutions
(formerly Eaton)

Brand: INVUE

Report Number: P672653

Luminaire Tested: **CCP-SA-1A-727-U-5NQ**

Issue Date: 04/16/2023

Test Information

Test Method: LM-79-08
Report Number: P672653
Test Lab: INNOVATION CENTER(G2)
Issue Date: 04/16/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCP-SA-1A-727-U-5NQ
Description: INVUE CLEAR CURVE POLE MOUNT LIGHT SQUARE LUMINAIRE @350mA w/ 5NQ
distribution lens
Light Source: (16) 2700K CCT, 70 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2380.9 lumens
Efficiency: N/A
Efficacy: 132.3 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B1 - U0 - G0

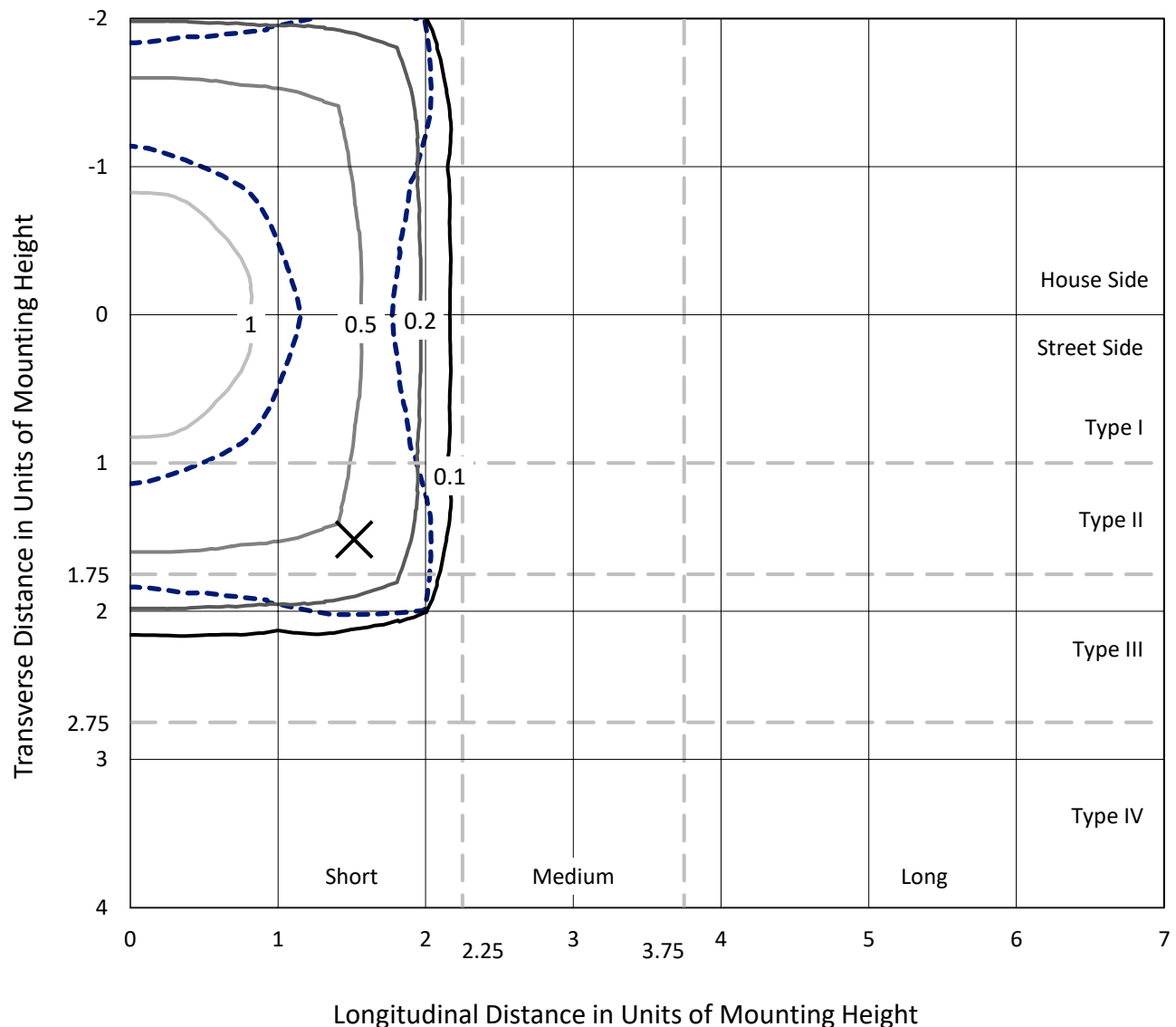
Input Watts (W): 18
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT

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Iso-Footcandle Lines of Horizontal Illumination

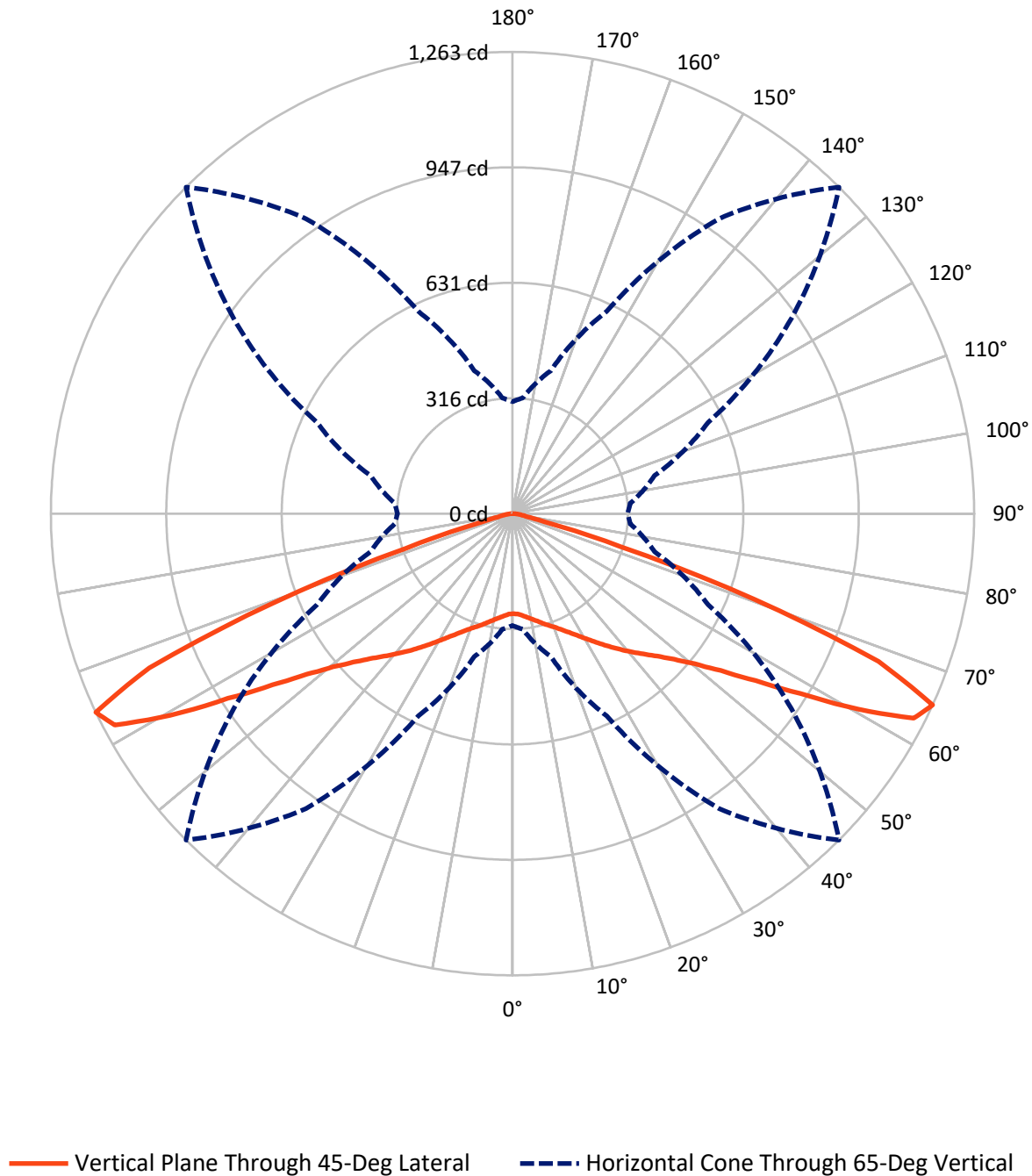
× Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 1.2 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



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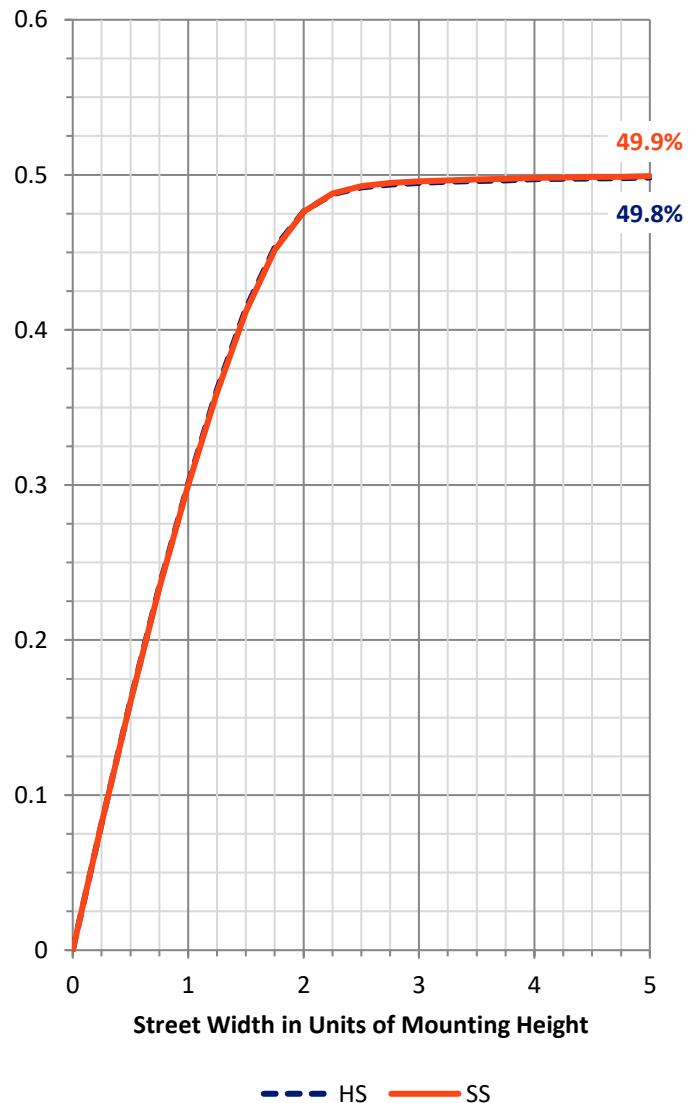
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1190.4	0.0	1190.4
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	1190.4	0.0	1190.4
	% Fixture	50.0	0.0	50.0
Total	Lumens	2380.9	0.0	2380.9
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	27.1	1.1
10°-20°	88.5	3.7
20°-30°	167.9	7.1
30°-40°	281.5	11.8
40°-50°	445.5	18.7
50°-60°	699.9	29.4
60°-70°	591.4	24.8
70°-80°	68.9	2.9
80°-90°	10.3	0.4
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	2380.9	100.0
0°-180°	2380.9	100.0



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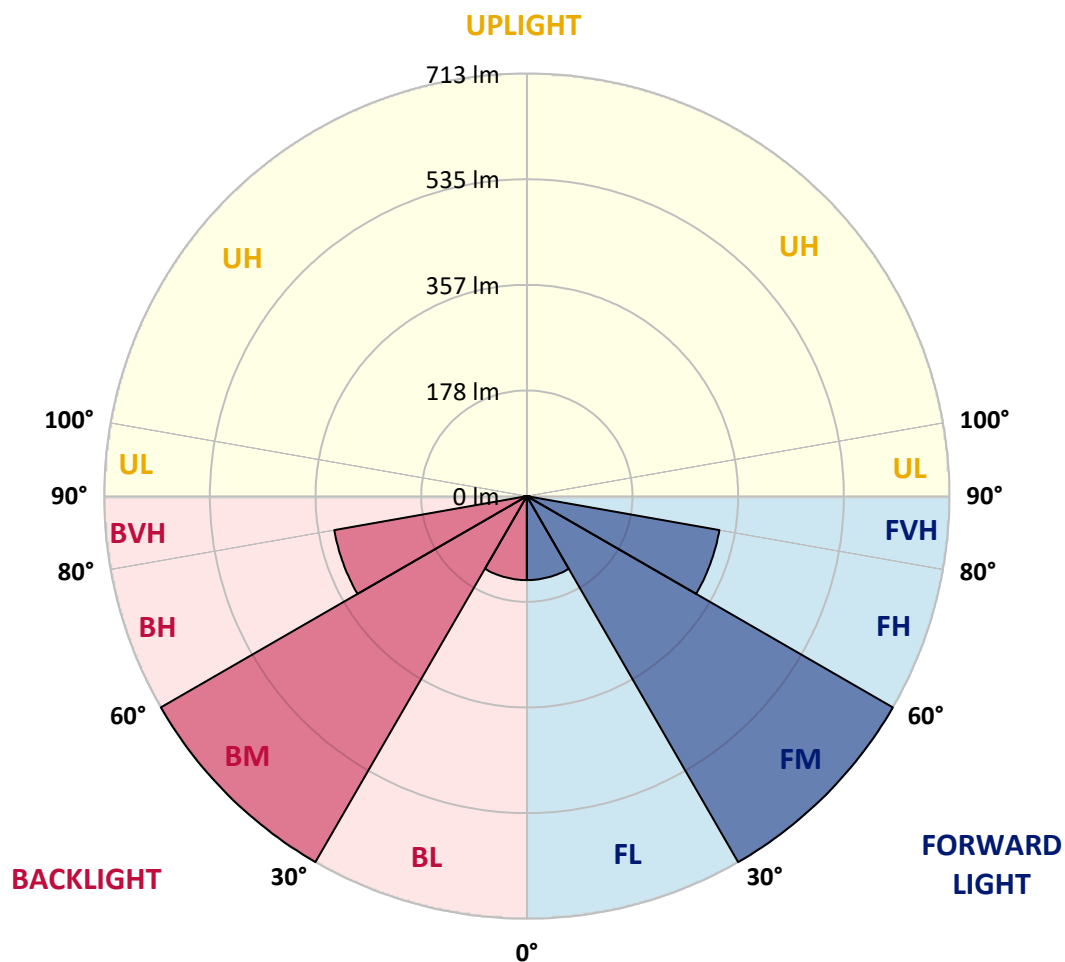
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	141.7	6.0			
FM	(30°-60°)	713.5	30.0			
FH	(60°-80°)	330.1	13.9			G0/660
FVH	(80°-90°)	5.1	0.2			G0/10
BL	(0°-30°)	141.7	6.0	B1/500		
BM	(30°-60°)	713.5	30.0	B1/1000		
BH	(60°-80°)	330.1	13.9	B1/500		G0/660
BVH	(80°-90°)	5.1	0.2			G0/10
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G0

Type V Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	273.8	273.8	273.8	273.8	273.8	273.8	273.8	273.8	273.8	273.8	273.8
2.5°	275.3	274.4	275.3	275.3	274.8	274.9	274.3	274.1	274.9	274.3	274.1
5°	281.0	280.3	281.0	280.5	279.6	279.8	278.8	278.4	279.5	278.4	278.6
7.5°	287.5	286.3	286.6	287.1	286.3	286.3	285.5	285.0	285.5	284.5	285.1
10°	293.0	292.0	292.5	293.2	293.0	293.5	292.7	292.3	291.8	290.7	291.7
12.5°	300.2	299.9	300.5	301.4	301.0	301.7	299.9	299.4	299.2	297.9	299.0
15°	309.6	308.7	309.9	310.9	310.4	311.6	310.1	309.4	308.6	306.9	307.9
17.5°	318.9	318.3	319.9	320.4	320.6	321.6	320.4	319.4	319.1	317.9	317.3
20°	330.2	329.3	330.7	331.7	330.8	332.0	331.5	330.8	330.5	328.6	328.5
22.5°	342.7	341.5	343.5	344.7	343.5	344.7	343.7	343.5	343.7	341.0	341.4
25°	356.8	356.9	358.9	359.8	359.1	359.8	358.3	359.3	358.8	355.9	354.9
27.5°	374.8	374.2	376.3	378.8	377.2	377.2	376.5	377.5	377.3	374.7	374.0
30°	395.9	395.7	398.9	400.4	398.1	397.1	396.9	399.4	399.6	396.8	395.6
32.5°	418.0	418.0	421.9	423.7	420.3	419.7	419.0	422.4	421.9	418.0	415.5
35°	442.3	441.3	446.5	449.1	445.8	443.8	443.4	446.5	445.8	440.4	437.4
37.5°	466.2	466.9	472.9	475.9	471.9	469.4	470.2	472.2	472.4	466.5	463.4
40°	495.5	495.6	503.2	505.5	500.3	496.5	497.7	502.2	501.8	494.6	490.6
42.5°	528.3	527.6	537.0	539.0	532.0	524.6	528.1	535.1	536.8	528.8	524.6
45°	563.4	564.4	574.1	576.3	565.3	555.9	563.4	574.0	576.1	567.4	562.2
47.5°	606.1	607.3	619.0	619.8	607.3	595.0	605.1	618.8	619.6	607.6	601.6
50°	654.8	658.8	671.9	673.5	661.1	645.4	659.8	672.0	668.8	652.8	647.3
52.5°	710.0	713.2	733.6	740.6	729.8	712.9	724.4	731.9	721.7	700.6	692.1
55°	757.0	762.4	789.5	810.9	819.1	806.4	805.1	794.0	765.6	733.4	724.6
57.5°	770.2	775.4	817.4	872.7	921.4	927.7	898.3	842.9	781.6	732.1	723.1
60°	716.5	723.6	785.0	889.6	1029.3	1086.8	980.4	847.1	740.0	673.5	662.1
62.5°	562.8	575.8	655.1	819.1	1072.8	1231.8	1014.2	774.9	614.3	535.8	520.7
65°	306.1	317.3	404.8	610.4	984.6	1262.7	931.4	590.0	401.8	323.0	314.8
67.5°	114.8	123.0	163.2	301.7	696.1	1079.5	707.0	337.9	182.4	130.9	119.3
70°	48.9	49.9	59.1	105.1	316.4	702.3	361.9	114.8	60.9	49.2	47.9
72.5°	35.1	35.3	37.8	46.5	96.4	308.1	109.4	48.2	37.1	33.5	33.5
75°	28.1	28.3	29.8	33.6	45.5	90.7	47.2	33.8	28.8	26.3	25.9
77.5°	22.1	22.4	23.9	26.3	30.5	41.5	32.0	26.6	23.1	20.7	20.4
80°	16.4	16.9	18.9	20.1	21.4	27.6	23.3	20.7	18.4	15.9	15.4
82.5°	10.9	11.4	14.1	14.9	14.7	17.4	16.1	15.9	14.1	10.5	10.0
85°	6.5	6.9	9.0	9.7	9.0	8.5	10.2	11.0	9.9	6.9	6.4
87.5°	2.8	2.8	4.0	4.2	4.0	3.2	4.9	5.7	5.9	3.5	3.2
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)