

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: P672874

Luminaire Tested: **CCP-SA-1A-830-U-RW**

Issue Date: 04/16/2023



Test Information

Test Method: LM-79-08
Report Number: P672874
Test Lab: INNOVATION CENTER(G2)
Issue Date: 04/16/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCP-SA-1A-830-U-RW
Description: INVUE CLEAR CURVE POLE MOUNT LIGHT SQUARE LUMINAIRE @350mA w/ RW distribution lens
Light Source: (16) 3000K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

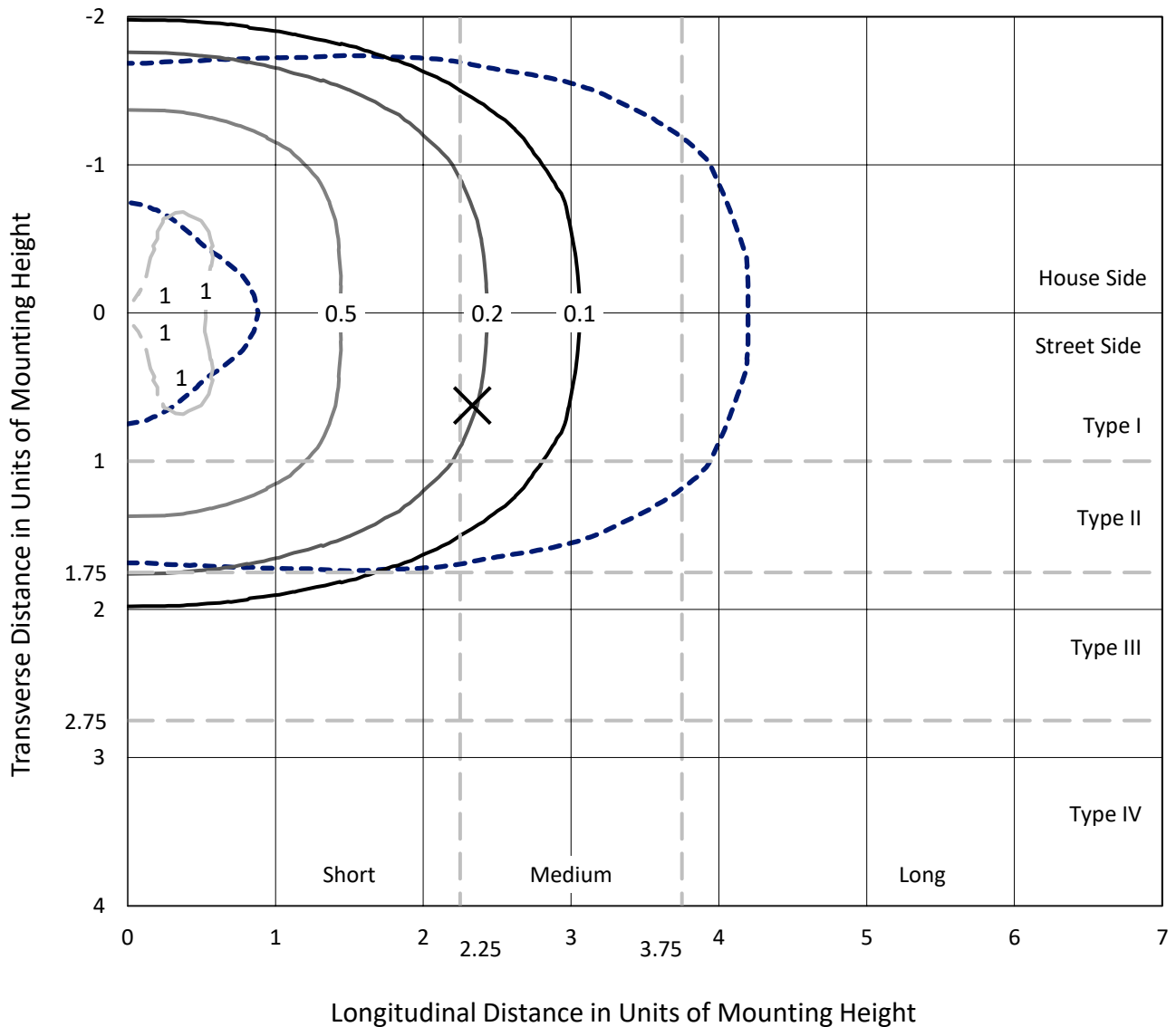
Lumens per Lamp: N/A
Luminaire Lumens: 2211.4 lumens
Efficiency: N/A
Efficacy: 122.9 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B1 - U0 - G1

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

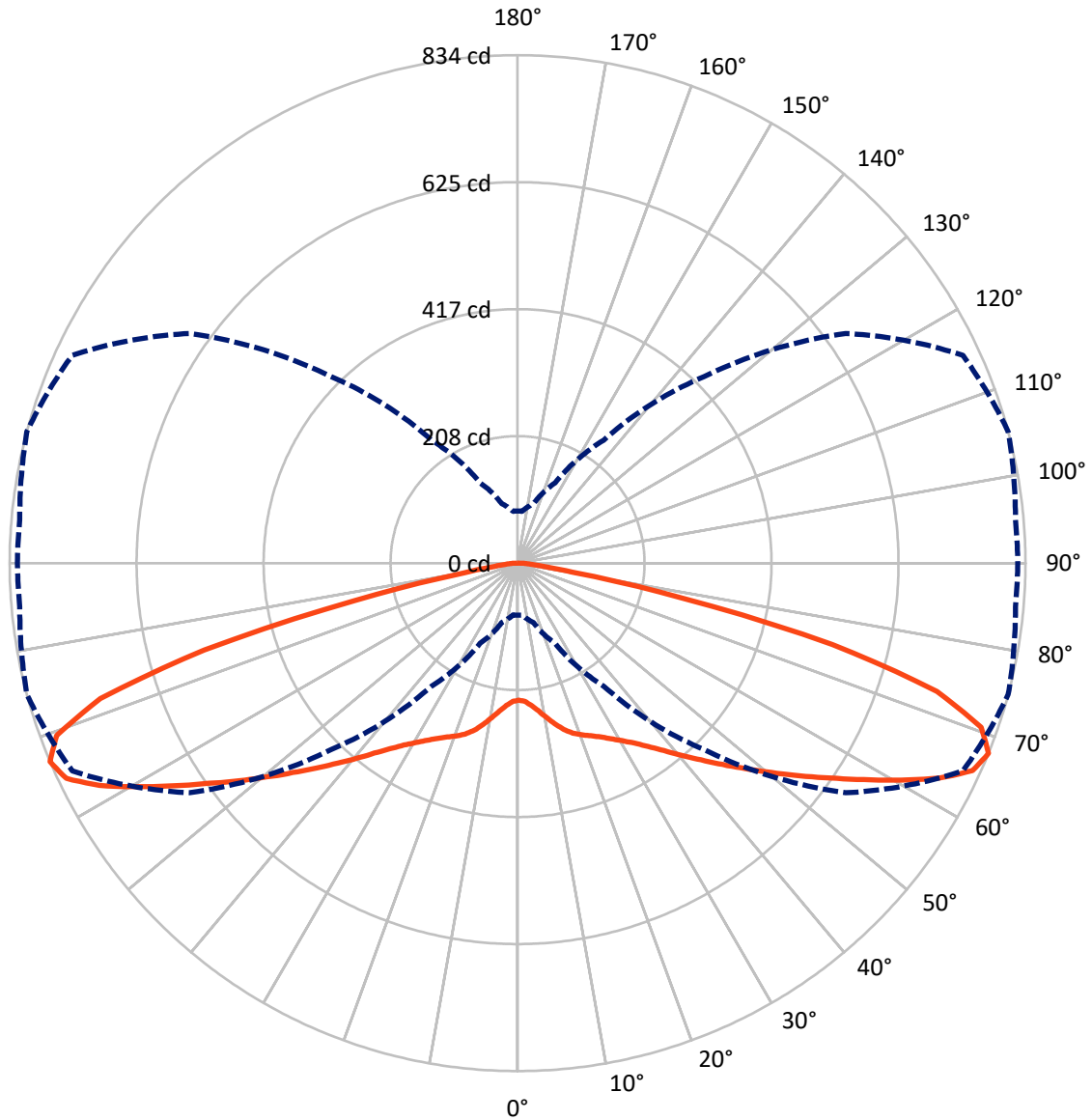
× Max cd
 - - - 1/2 Max cd



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

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Luminous Intensity Polar Plot



— Vertical Plane Through 75-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

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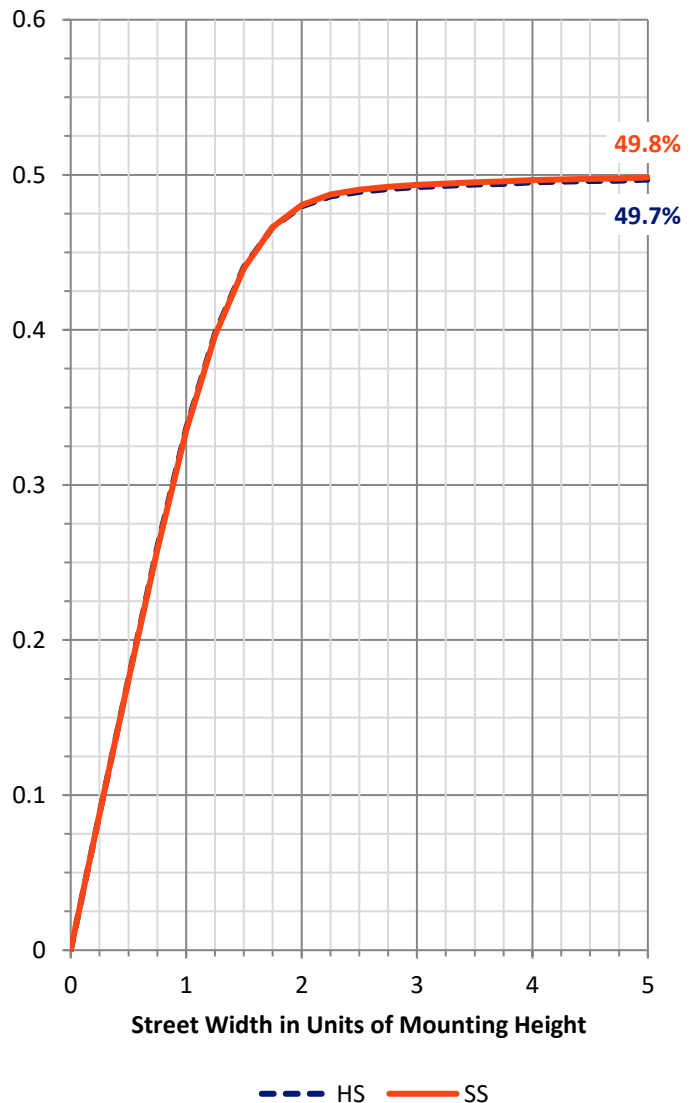
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1105.7	0.0	1105.7
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	1105.7	0.0	1105.7
	% Fixture	50.0	0.0	50.0
Total	Lumens	2211.4	0.0	2211.4
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	22.3	1.0
10°-20°	75.0	3.4
20°-30°	146.5	6.6
30°-40°	252.7	11.4
40°-50°	409.3	18.5
50°-60°	556.7	25.2
60°-70°	513.5	23.2
70°-80°	214.9	9.7
80°-90°	20.5	0.9
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°	2211.4	100.0
0°-180°	2211.4	100.0



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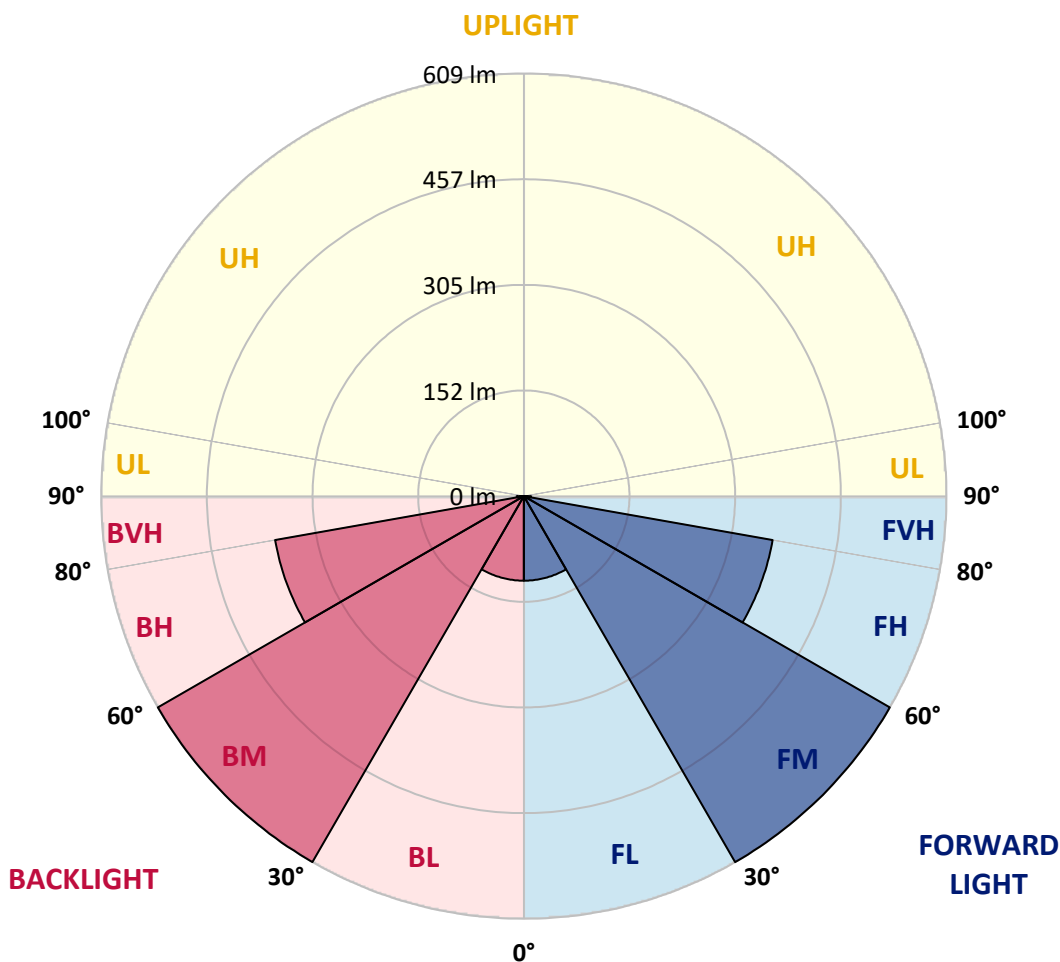
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	121.9	5.5			
FM (30°-60°)	609.3	27.6			
FH (60°-80°)	364.2	16.5			G0/660
FVH (80°-90°)	10.3	0.5			G1/100
BL (0°-30°)	121.9	5.5	B1/500		
BM (30°-60°)	609.3	27.6	B1/1000		
BH (60°-80°)	364.2	16.5	B1/500		G1/500
BVH (80°-90°)	10.3	0.5			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G1

Type II Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	225.0	225.0	225.0	225.0	225.0	225.0	225.0	225.0	225.0	225.0	225.0
2.5°	223.5	223.5	224.2	225.0	225.3	225.9	226.1	226.1	227.0	226.9	227.0
5°	222.9	222.9	224.0	225.4	227.0	228.9	230.9	232.0	234.4	234.8	235.0
7.5°	223.5	223.7	225.3	227.7	230.4	233.9	237.5	240.6	244.5	246.0	246.9
10°	225.9	226.1	228.2	231.5	235.6	240.7	246.0	250.7	257.1	259.9	260.4
12.5°	229.6	229.7	232.8	238.2	244.1	250.4	256.3	262.3	270.3	274.6	275.5
15°	235.1	234.7	239.4	247.4	255.7	263.6	268.9	274.7	283.2	288.7	290.2
17.5°	242.8	243.1	249.0	259.2	269.3	277.4	282.7	286.0	293.3	299.1	300.5
20°	252.3	253.7	261.2	273.0	284.9	293.5	297.2	296.7	300.8	305.7	306.9
22.5°	265.8	266.8	275.8	289.0	302.7	311.6	313.1	307.8	307.6	310.8	312.3
25°	281.7	282.5	292.1	307.3	321.8	331.2	329.7	320.7	315.9	316.1	317.0
27.5°	300.3	301.9	311.8	327.4	342.3	350.9	348.8	335.6	326.2	323.4	322.8
30°	324.5	326.2	336.3	351.2	364.4	372.0	368.9	352.2	338.2	333.4	332.4
32.5°	356.0	355.8	366.2	380.6	389.8	394.8	388.6	369.7	352.0	345.6	344.4
35°	388.4	390.0	400.2	414.2	421.2	421.5	411.6	390.3	369.3	358.4	356.0
37.5°	425.0	425.8	437.5	450.7	455.3	452.8	438.2	414.5	390.3	378.7	374.6
40°	462.5	463.3	477.0	489.7	494.8	488.7	469.5	441.2	415.1	402.4	400.0
42.5°	497.3	499.4	514.7	529.6	534.5	527.5	504.3	470.5	441.4	429.1	425.9
45°	526.3	528.5	545.7	564.7	573.5	567.8	541.5	503.4	471.6	458.4	453.0
47.5°	548.0	550.9	569.2	592.1	609.1	608.0	581.1	538.2	504.0	488.4	483.5
50°	563.0	566.0	585.7	610.4	636.0	644.5	621.3	576.7	540.1	522.6	519.3
52.5°	564.1	566.8	589.4	620.1	654.2	673.2	660.9	617.2	579.8	561.7	559.3
55°	539.3	541.2	571.3	612.1	661.7	695.1	697.0	661.4	622.3	604.0	602.9
57.5°	482.4	485.1	521.0	575.1	649.3	709.3	728.3	707.7	670.3	653.1	652.2
60°	389.7	393.2	434.2	506.1	604.5	705.6	754.9	751.1	722.8	706.1	705.4
62.5°	274.9	276.2	318.9	398.1	516.7	666.8	767.8	793.4	777.1	760.3	761.2
65°	161.5	163.3	194.6	265.8	391.9	577.6	745.5	822.8	820.7	805.3	806.9
67.5°	85.4	85.4	101.1	145.3	246.4	432.5	656.9	806.6	833.6	820.1	820.9
70°	59.0	58.8	61.7	73.0	119.1	268.1	491.4	721.7	807.4	802.3	804.3
72.5°	49.9	49.6	49.8	51.4	60.6	121.2	298.4	555.8	719.8	727.5	729.3
75°	43.7	43.2	42.9	42.6	43.4	55.0	136.1	342.9	533.6	582.5	581.6
77.5°	37.7	37.4	37.0	35.9	34.7	36.1	55.6	154.2	274.4	323.9	320.4
80°	31.0	31.0	31.5	29.9	27.5	26.6	33.2	57.6	91.1	95.1	87.4
82.5°	24.3	24.3	26.7	24.5	21.6	19.2	23.1	30.7	37.0	30.0	24.5
85°	17.2	17.3	22.3	20.4	16.7	11.1	14.3	18.3	20.8	13.2	10.3
87.5°	7.0	7.5	13.8	11.0	10.5	5.6	6.7	8.1	10.3	5.6	4.5
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)