

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: P672576

Luminaire Tested: **CCP-SA-1B-827-U-5MQ**

Issue Date: 04/16/2023



Test Information

Test Method: LM-79-08
Report Number: P672576
Test Lab: INNOVATION CENTER(G2)
Issue Date: 04/16/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCP-SA-1B-827-U-5MQ
Description: INVUE CLEAR CURVE POLE MOUNT LIGHT SQUARE LUMINAIRE @450mA w/ 5MQ
distribution lens
Light Source: (16) 2700K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

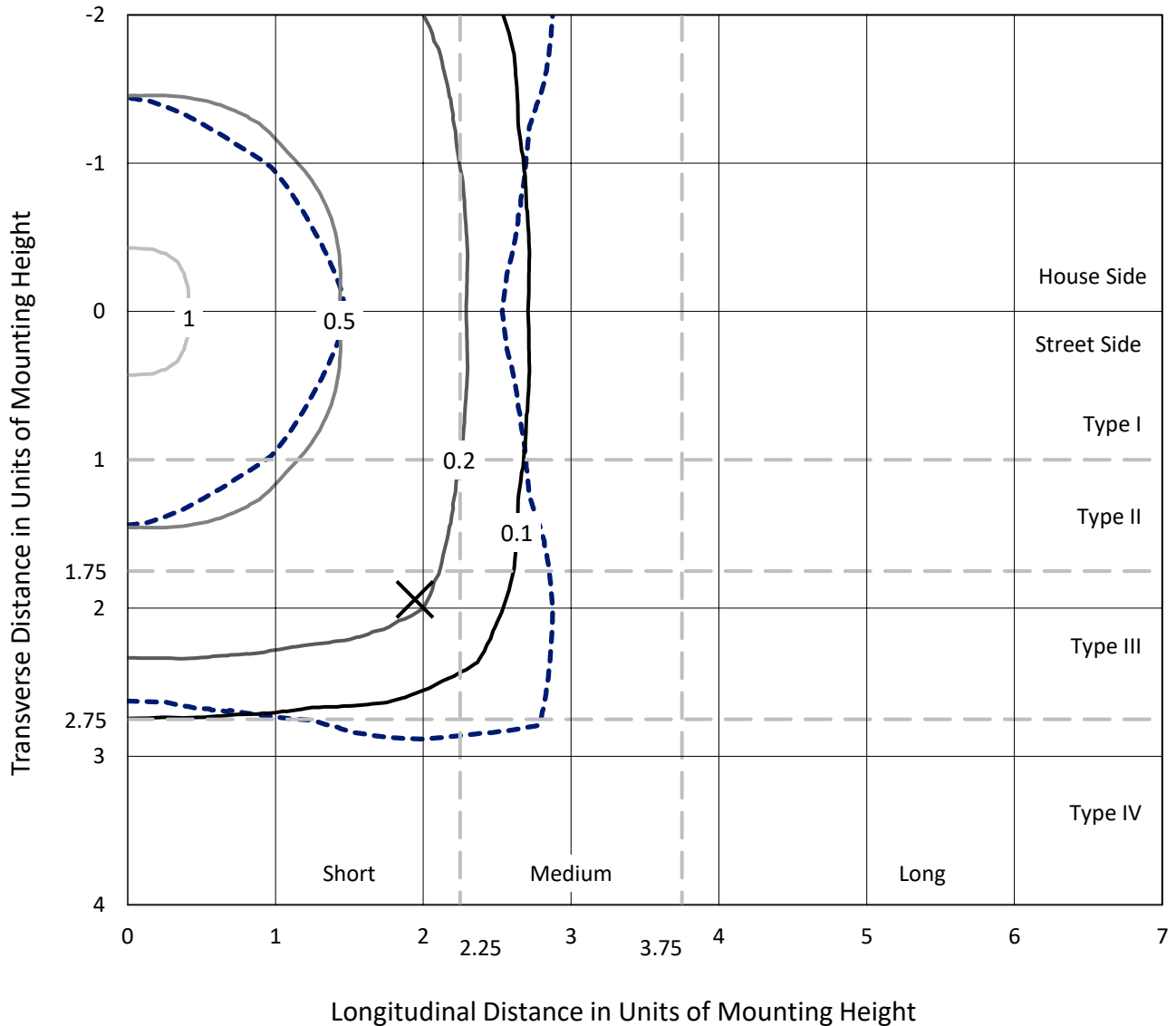
Lumens per Lamp: N/A
Luminaire Lumens: 2620.6 lumens
Efficiency: N/A
Efficacy: 109.2 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B2 - U0 - G1

Input Watts (W): 24
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

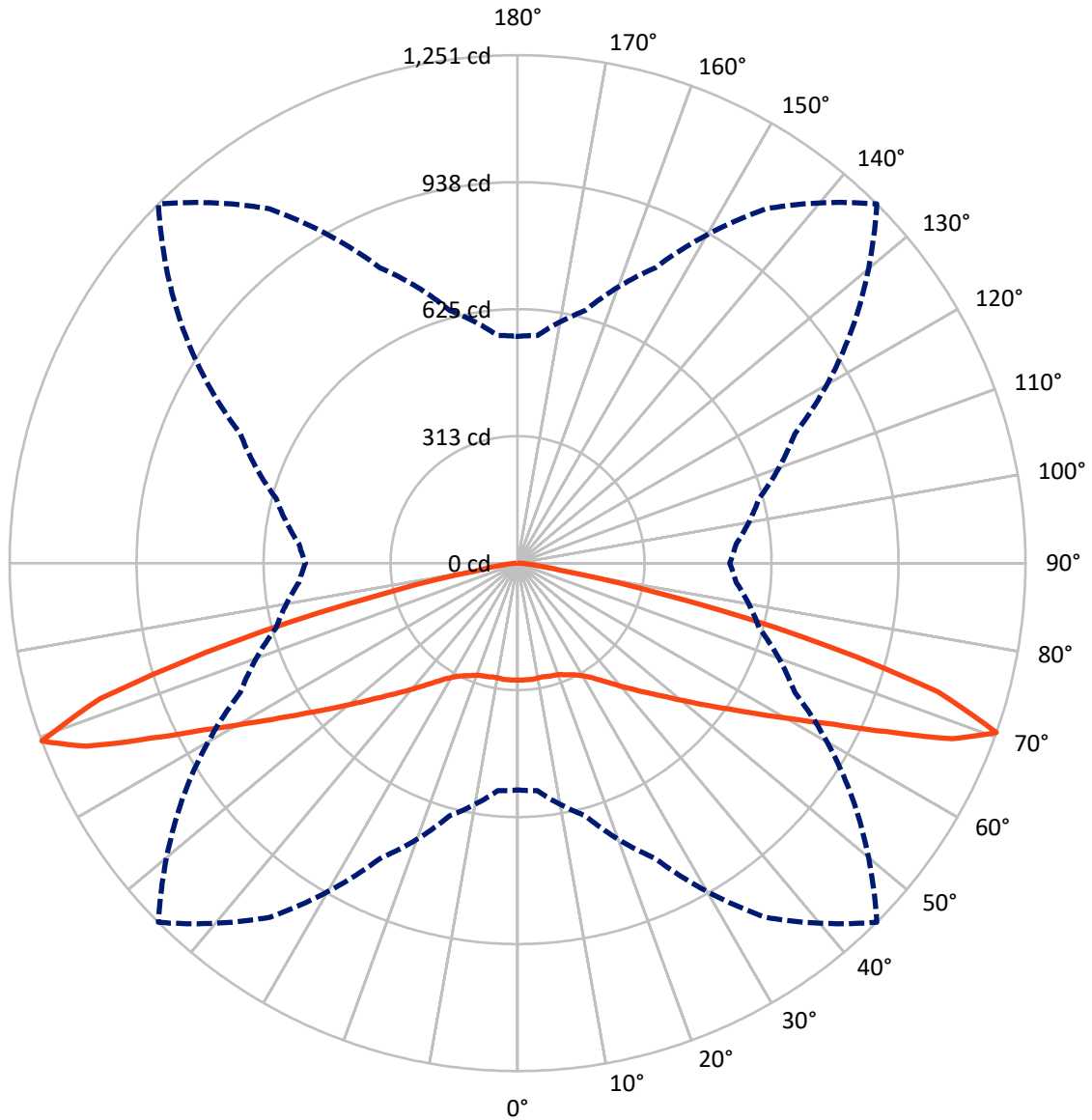
× Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 1.3 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 70-Deg Vertical

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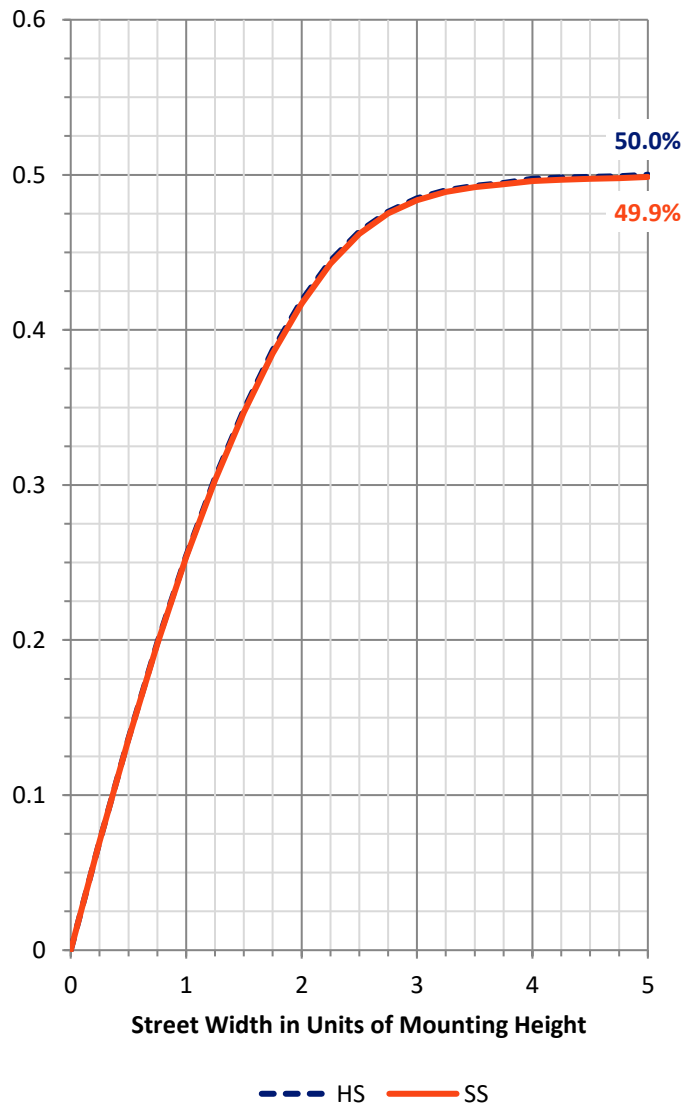
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1310.3	0.0	1310.3
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	1310.3	0.0	1310.3
	% Fixture	50.0	0.0	50.0
Total	Lumens	2620.6	0.0	2620.6
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	27.4	1.0
10°-20°	81.1	3.1
20°-30°	138.6	5.3
30°-40°	221.1	8.4
40°-50°	356.8	13.6
50°-60°	571.3	21.8
60°-70°	836.3	31.9
70°-80°	367.8	14.0
80°-90°	20.2	0.8
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°	2620.6	100.0
0°-180°	2620.6	100.0



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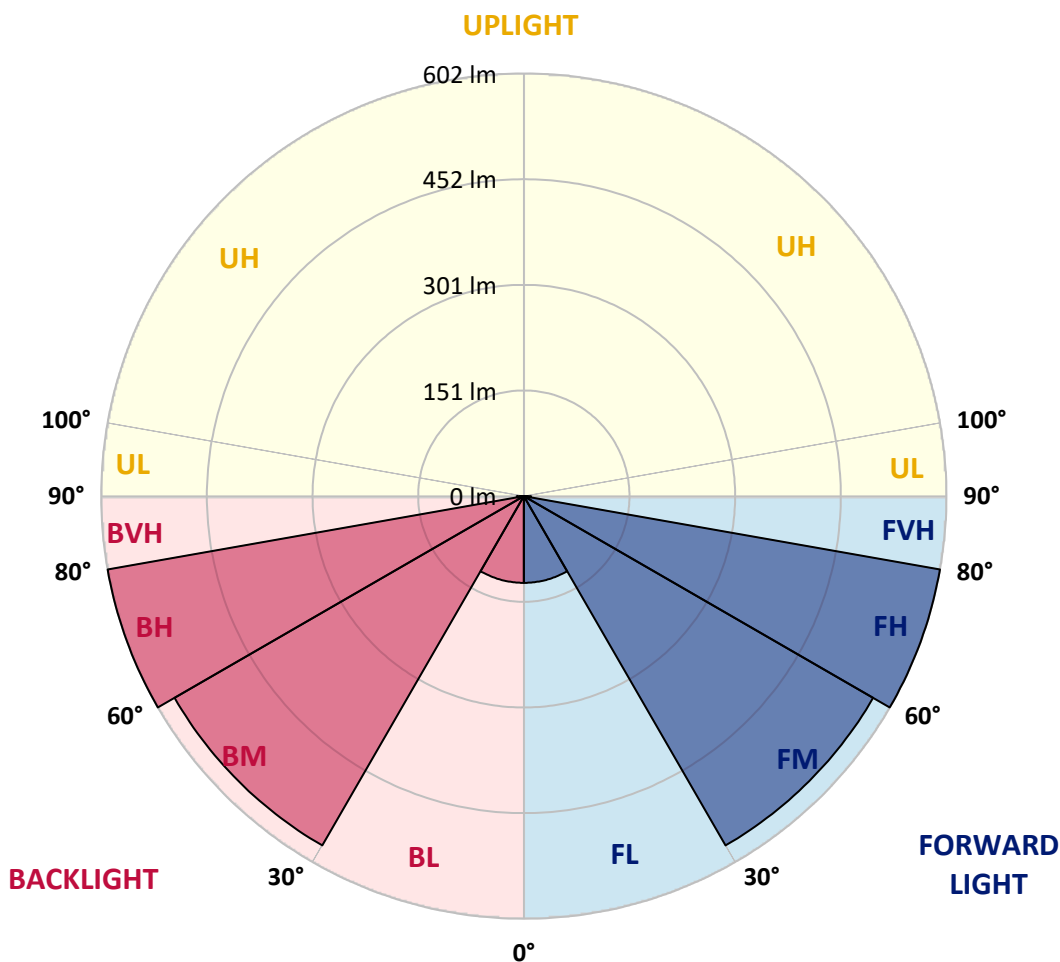
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	123.5	4.7			
FM (30°-60°)	574.6	21.9			
FH (60°-80°)	602.1	23.0			G0/660
FVH (80°-90°)	10.1	0.4			G1/100
BL (0°-30°)	123.5	4.7	B1/500		
BM (30°-60°)	574.6	21.9	B1/1000		
BH (60°-80°)	602.1	23.0	B2/1000		G0/660
BVH (80°-90°)	10.1	0.4			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G1

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	288.2	288.2	288.2	288.2	288.2	288.2	288.2	288.2	288.2	288.2	288.2
2.5°	287.8	287.6	288.0	288.2	287.8	288.0	286.9	286.9	287.4	286.9	287.6
5°	289.1	288.7	289.1	289.1	288.2	288.2	286.9	286.5	286.9	286.0	286.7
7.5°	289.3	288.6	289.1	288.9	288.2	288.2	286.3	285.6	285.8	284.8	285.4
10°	287.4	287.1	287.8	287.4	286.9	286.9	285.4	284.3	284.3	283.4	283.9
12.5°	286.3	286.0	286.9	287.1	286.7	286.9	285.0	283.5	283.0	281.9	282.2
15°	286.3	285.6	287.1	287.4	287.8	289.1	286.3	283.7	282.6	281.1	281.5
17.5°	286.1	285.8	287.4	288.7	289.1	290.6	287.4	284.7	283.4	281.1	281.5
20°	286.1	286.0	288.0	290.4	291.5	292.8	289.5	286.9	284.7	282.2	282.2
22.5°	287.1	286.9	289.7	293.2	296.4	298.6	294.7	290.4	287.4	284.3	283.9
25°	291.0	290.6	293.9	298.2	302.5	304.7	300.8	296.5	292.3	288.7	288.4
27.5°	299.0	298.8	302.1	307.3	310.3	311.9	308.6	304.9	300.6	296.5	296.4
30°	309.7	309.7	314.0	319.4	321.0	322.3	319.0	316.4	311.9	307.5	307.1
32.5°	322.7	323.5	328.5	334.4	335.5	336.3	332.7	331.1	326.2	321.4	320.7
35°	339.8	340.0	346.1	352.1	353.5	354.3	350.2	348.7	344.3	339.1	337.9
37.5°	361.5	361.0	366.7	373.4	374.9	375.8	372.5	371.4	365.8	360.6	358.9
40°	385.8	386.2	392.7	399.0	400.0	400.3	398.7	397.0	391.8	385.8	383.8
42.5°	414.1	414.1	421.7	429.1	429.1	427.3	426.5	426.1	421.1	414.4	412.2
45°	446.4	446.8	456.2	461.8	462.2	457.2	457.9	460.1	455.3	446.8	443.8
47.5°	481.8	482.4	493.5	499.7	498.6	492.1	496.1	497.3	491.7	480.7	476.8
50°	519.2	520.8	533.3	544.1	542.6	533.1	538.5	538.9	529.8	517.1	511.7
52.5°	559.5	563.4	579.9	591.4	592.9	581.0	585.6	585.3	573.6	556.3	552.8
55°	609.4	611.6	628.0	644.3	649.9	635.2	640.4	637.8	622.0	602.4	596.4
57.5°	659.4	662.7	683.7	702.1	713.2	700.8	701.9	695.2	675.3	651.6	648.6
60°	718.6	720.1	743.3	767.2	786.6	779.1	773.9	760.0	736.6	712.8	708.6
62.5°	767.1	770.0	804.6	839.8	872.5	873.8	858.0	837.2	799.9	760.2	751.6
65°	780.4	785.3	833.7	903.3	971.3	1001.6	958.3	894.8	811.4	751.5	738.6
67.5°	718.2	727.5	796.8	912.4	1063.2	1154.0	1038.2	867.5	751.1	681.1	668.8
70°	558.5	562.6	643.9	802.7	1064.7	1250.9	1006.0	753.3	615.7	540.5	522.5
72.5°	296.7	298.8	372.1	540.5	866.4	1080.7	831.3	527.2	362.5	294.1	273.5
75°	95.8	98.4	128.1	221.3	477.9	726.2	490.2	219.3	125.0	100.8	95.4
77.5°	48.8	48.6	54.0	71.3	160.8	356.0	170.1	76.9	54.0	48.5	47.0
80°	30.5	29.9	34.0	39.0	56.3	104.0	61.1	43.1	34.2	29.3	29.2
82.5°	17.3	17.3	22.8	25.1	31.8	42.9	35.7	29.5	23.4	17.5	16.9
85°	9.7	8.5	14.3	15.8	18.2	21.2	21.7	19.1	15.8	9.7	10.0
87.5°	3.5	3.9	6.7	6.3	7.2	5.0	8.9	10.0	8.9	4.6	3.9
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)