

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: P672731

Luminaire Tested: **CCP-SA-1B-830-U-5NQ**

Issue Date: 04/16/2023

Test Information

Test Method: LM-79-08
Report Number: P672731
Test Lab: INNOVATION CENTER(G2)
Issue Date: 04/16/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCP-SA-1B-830-U-5NQ
Description: INVUE CLEAR CURVE POLE MOUNT LIGHT SQUARE LUMINAIRE @450mA w/ 5NQ
distribution lens
Light Source: (16) 3000K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2855.7 lumens
Efficiency: N/A
Efficacy: 119.0 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B1 - U0 - G0

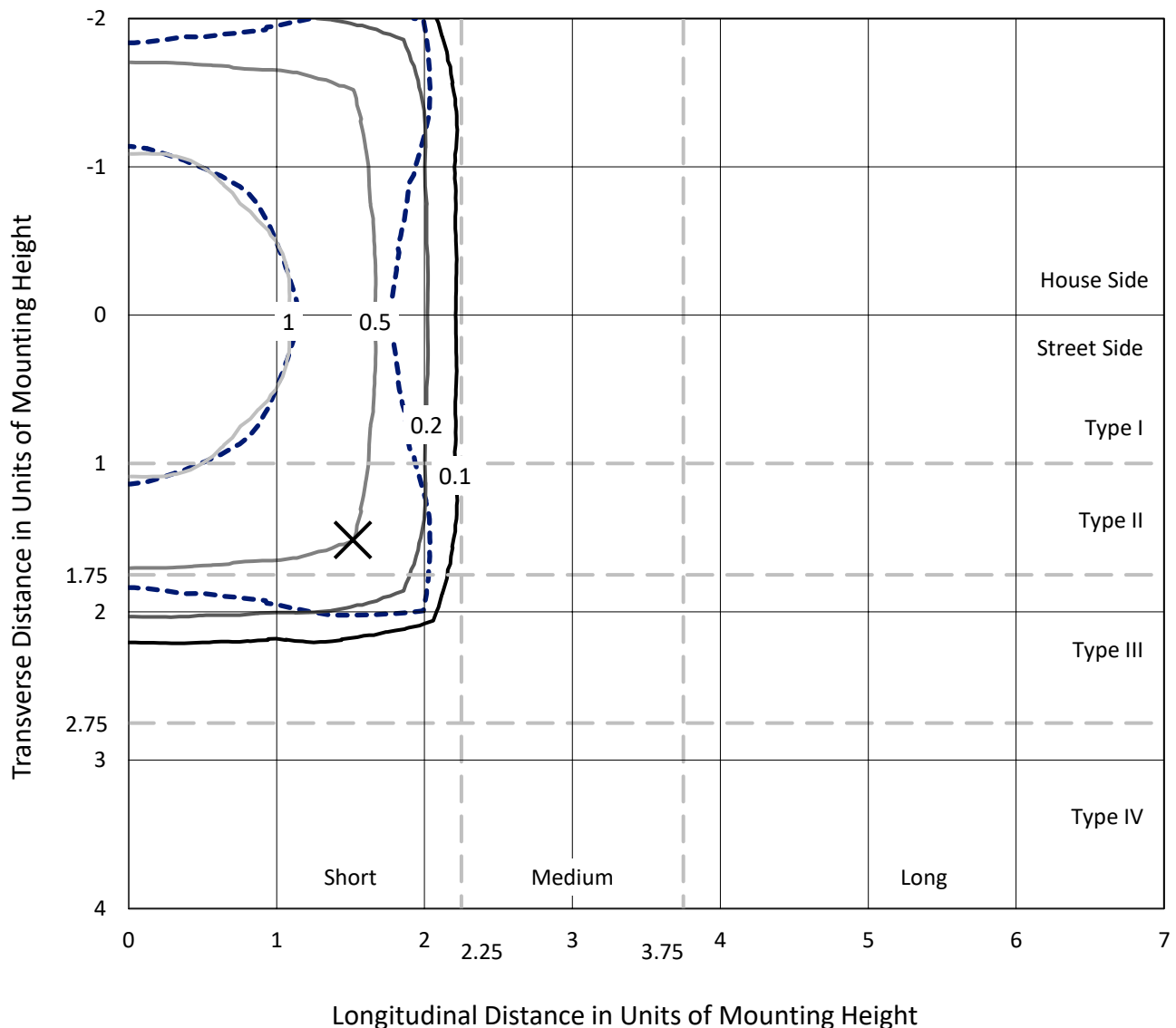
Input Watts (W): 24
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT

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Iso-Footcandle Lines of Horizontal Illumination

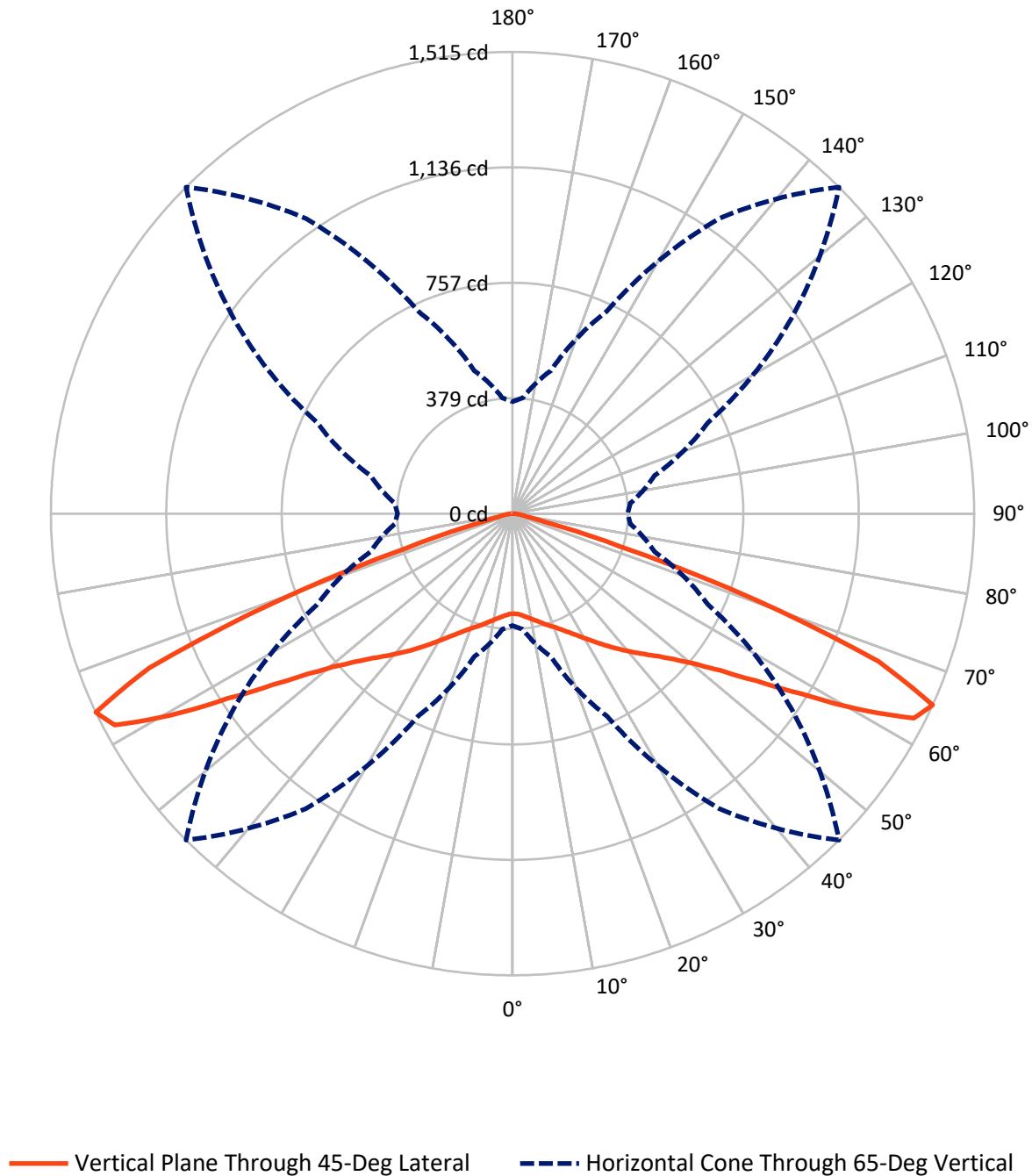
× Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 1.5 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



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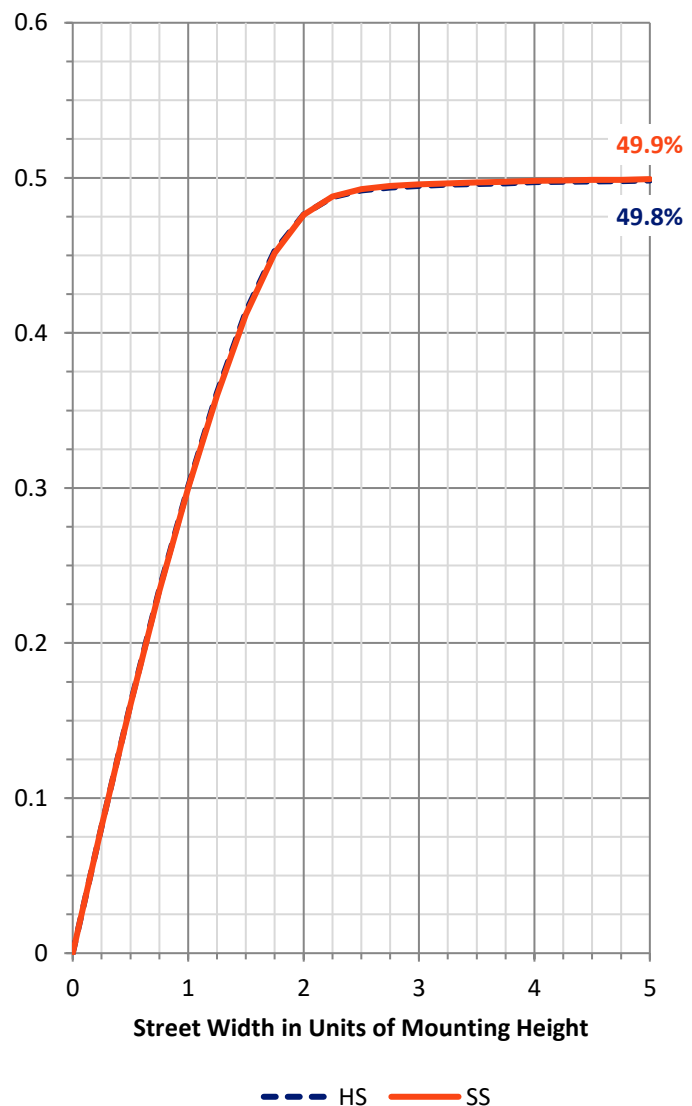
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1427.9	0.0	1427.9
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	1427.9	0.0	1427.9
	% Fixture	50.0	0.0	50.0
Total	Lumens	2855.7	0.0	2855.7
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	32.5	1.1
10°-20°	106.2	3.7
20°-30°	201.4	7.1
30°-40°	337.7	11.8
40°-50°	534.3	18.7
50°-60°	839.5	29.4
60°-70°	709.3	24.8
70°-80°	82.6	2.9
80°-90°	12.3	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°	2855.7	100.0
0°-180°	2855.7	100.0

Coefficient of Utilization



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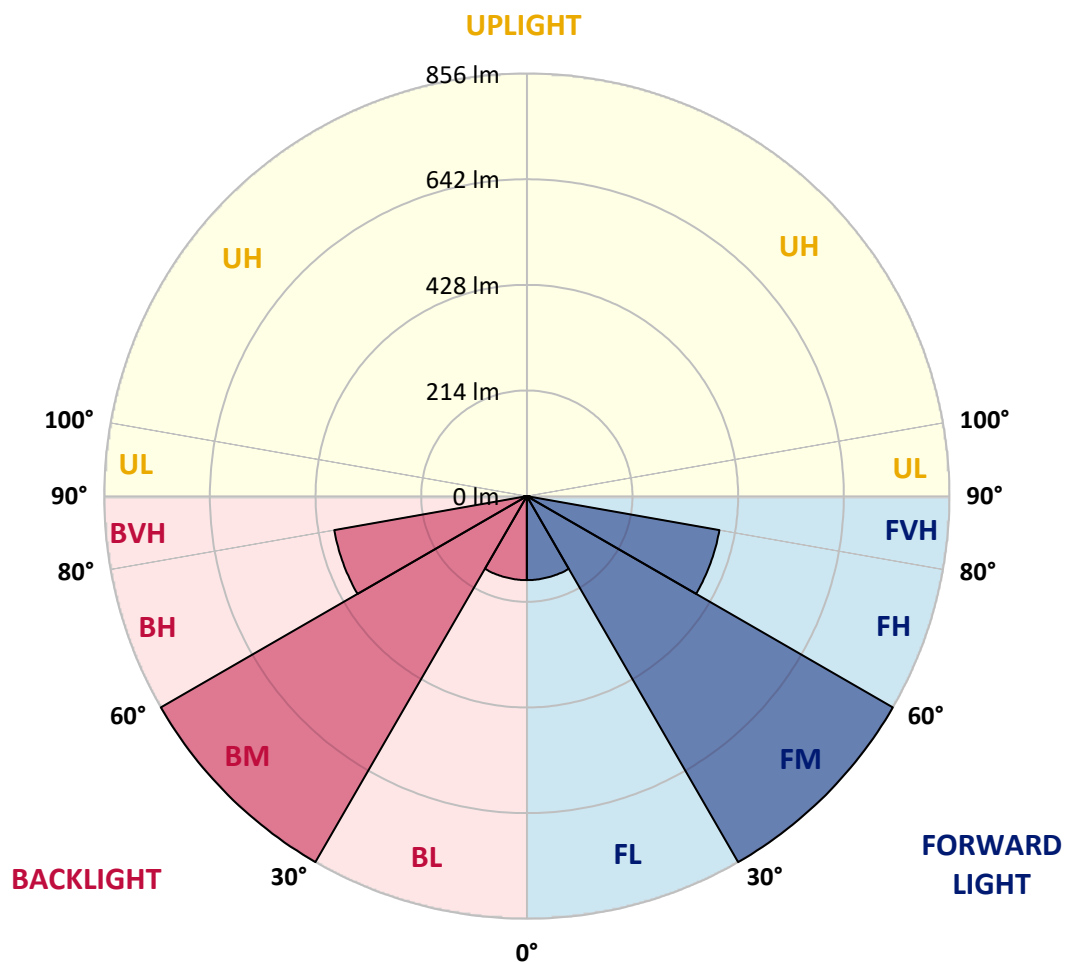
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	170.0	6.0			
FM	(30°-60°)	855.8	30.0			
FH	(60°-80°)	395.9	13.9			G0/660
FVH	(80°-90°)	6.1	0.2			G0/10
BL	(0°-30°)	170.0	6.0	B1/500		
BM	(30°-60°)	855.8	30.0	B1/1000		
BH	(60°-80°)	395.9	13.9	B1/500		G0/660
BVH	(80°-90°)	6.1	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°	328.4	328.4	328.4	328.4	328.4	328.4	328.4	328.4	328.4	328.4	328.4
2.5°	330.2	329.2	330.2	330.2	329.6	329.8	329.0	328.8	329.8	329.0	328.8
5°	337.0	336.2	337.0	336.4	335.4	335.6	334.4	334.0	335.2	334.0	334.2
7.5°	344.8	343.4	343.8	344.4	343.4	343.4	342.4	341.8	342.4	341.2	342.0
10°	351.4	350.2	350.8	351.6	351.4	352.0	351.0	350.6	350.0	348.6	349.8
12.5°	360.1	359.7	360.5	361.5	361.1	361.9	359.7	359.1	358.9	357.3	358.7
15°	371.3	370.3	371.7	372.9	372.3	373.7	371.9	371.1	370.1	368.1	369.3
17.5°	382.5	381.7	383.8	384.4	384.6	385.8	384.4	383.1	382.7	381.3	380.5
20°	396.0	395.0	396.6	397.8	396.8	398.2	397.6	396.8	396.4	394.2	394.0
22.5°	411.0	409.6	412.1	413.5	412.1	413.5	412.3	412.1	412.3	409.0	409.4
25°	427.9	428.1	430.5	431.5	430.7	431.5	429.7	430.9	430.3	426.9	425.7
27.5°	449.6	448.8	451.4	454.4	452.4	452.4	451.6	452.8	452.6	449.4	448.6
30°	474.9	474.7	478.5	480.3	477.5	476.3	476.1	479.1	479.3	475.9	474.5
32.5°	501.4	501.4	506.0	508.2	504.2	503.4	502.6	506.6	506.0	501.4	498.4
35°	530.5	529.3	535.5	538.7	534.7	532.3	531.9	535.5	534.7	528.3	524.6
37.5°	559.2	560.0	567.2	570.8	566.0	563.0	564.0	566.4	566.6	559.6	555.8
40°	594.3	594.5	603.5	606.3	600.1	595.5	596.9	602.3	601.9	593.3	588.5
42.5°	633.6	632.8	644.1	646.5	638.0	629.2	633.4	641.9	643.9	634.2	629.2
45°	675.8	677.0	688.6	691.2	678.0	666.7	675.8	688.4	691.0	680.6	674.4
47.5°	727.0	728.4	742.4	743.4	728.4	713.7	725.8	742.2	743.2	728.8	721.5
50°	785.4	790.2	805.8	807.8	793.0	774.1	791.4	806.0	802.2	783.0	776.3
52.5°	851.6	855.4	879.9	888.3	875.3	855.0	868.9	877.9	865.6	840.4	830.1
55°	908.0	914.4	946.9	972.6	982.5	967.2	965.6	952.4	918.2	879.7	869.1
57.5°	923.9	930.1	980.5	1046.7	1105.1	1112.7	1077.4	1011.0	937.5	878.1	867.3
60°	859.4	867.9	941.5	1067.0	1234.5	1303.6	1175.9	1016.0	887.5	807.8	794.2
62.5°	675.0	690.6	785.8	982.5	1286.7	1477.4	1216.5	929.5	736.8	642.7	624.6
65°	367.1	380.5	485.5	732.2	1181.0	1514.5	1117.1	707.7	481.9	387.4	377.5
67.5°	137.7	147.5	195.7	361.9	834.9	1294.8	848.0	405.2	218.8	157.0	143.1
70°	58.6	59.8	70.8	126.0	379.5	842.4	434.1	137.7	73.1	59.0	57.4
72.5°	42.1	42.3	45.4	55.8	115.6	369.5	131.3	57.8	44.6	40.1	40.1
75°	33.7	33.9	35.7	40.3	54.6	108.8	56.6	40.5	34.5	31.5	31.1
77.5°	26.5	26.9	28.7	31.5	36.5	49.8	38.3	31.9	27.7	24.9	24.5
80°	19.7	20.3	22.7	24.1	25.7	33.1	27.9	24.9	22.1	19.1	18.5
82.5°	13.0	13.6	16.9	17.9	17.7	20.9	19.3	19.1	16.9	12.6	12.0
85°	7.8	8.2	10.8	11.6	10.8	10.2	12.2	13.2	11.8	8.2	7.6
87.5°	3.4	3.4	4.8	5.0	4.8	3.8	5.8	6.8	7.0	4.2	3.8
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)