

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: P672440

Luminaire Tested: **CCP-SA-2D-827-U-5WQ**

Issue Date: 04/16/2023

Test Information

Test Method: LM-79-08
Report Number: P672440
Test Lab: INNOVATION CENTER(G2)
Issue Date: 04/16/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCP-SA-2D-827-U-5WQ
Description: INVUE CLEAR CURVE POLE MOUNT LIGHT SQUARE LUMINAIRE @800mA w/ 5WQ
distribution lens
Light Source: (32) 2700K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8592.8 lumens
Efficiency: N/A
Efficacy: 106.3 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B3 - U0 - G2

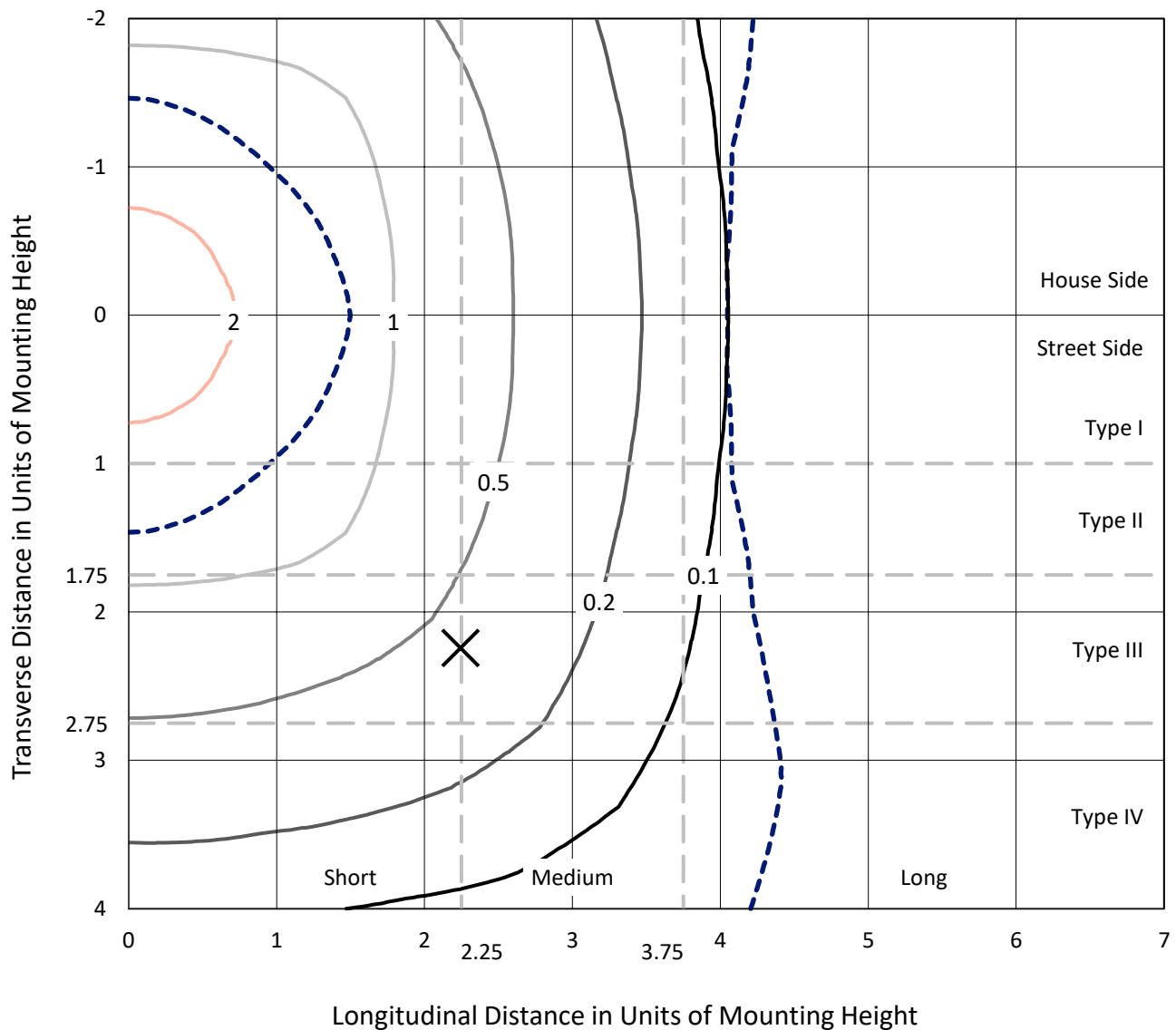
Input Watts (W): 80.8
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT

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Iso-Footcandle Lines of Horizontal Illumination

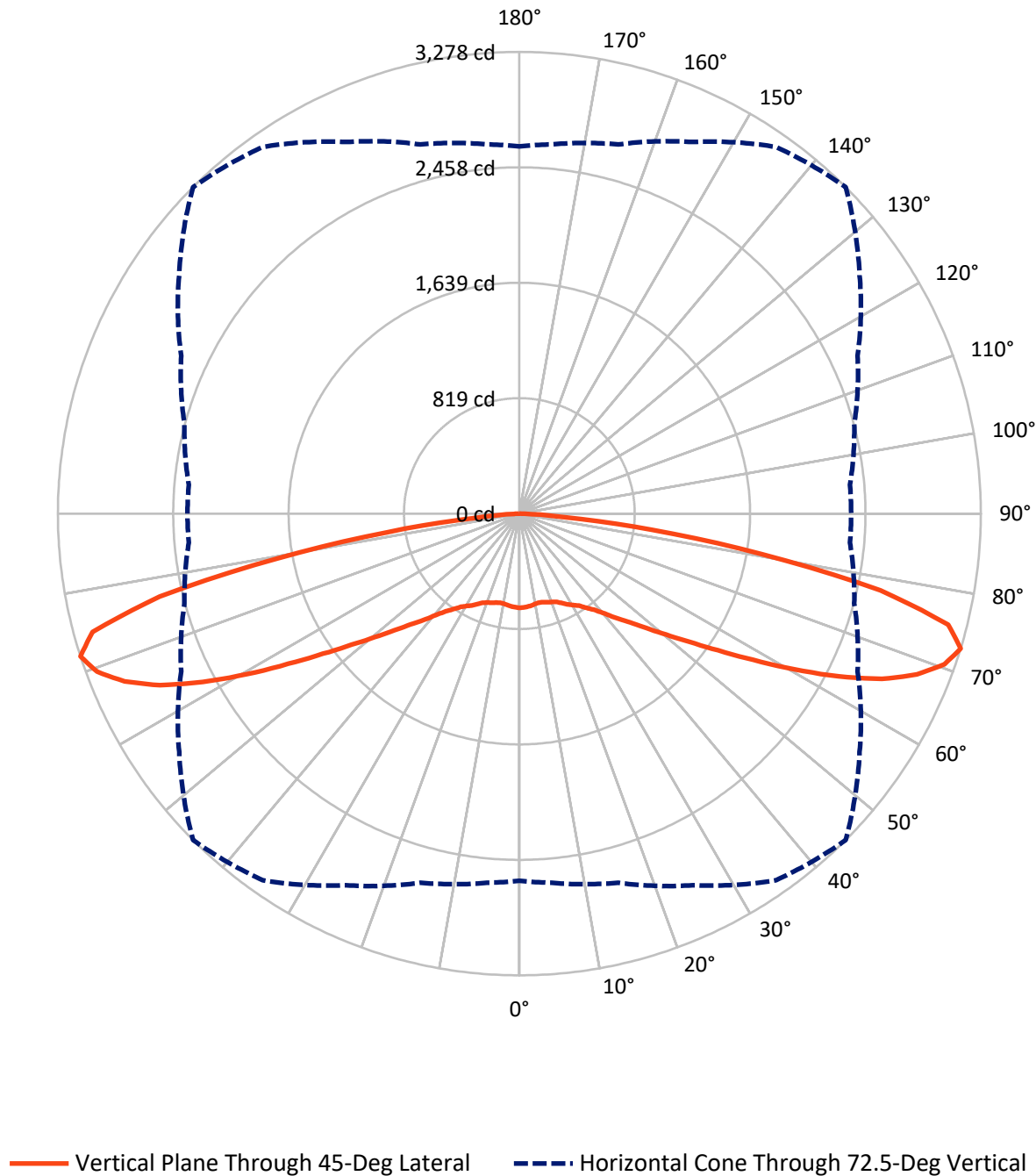
× Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 3 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



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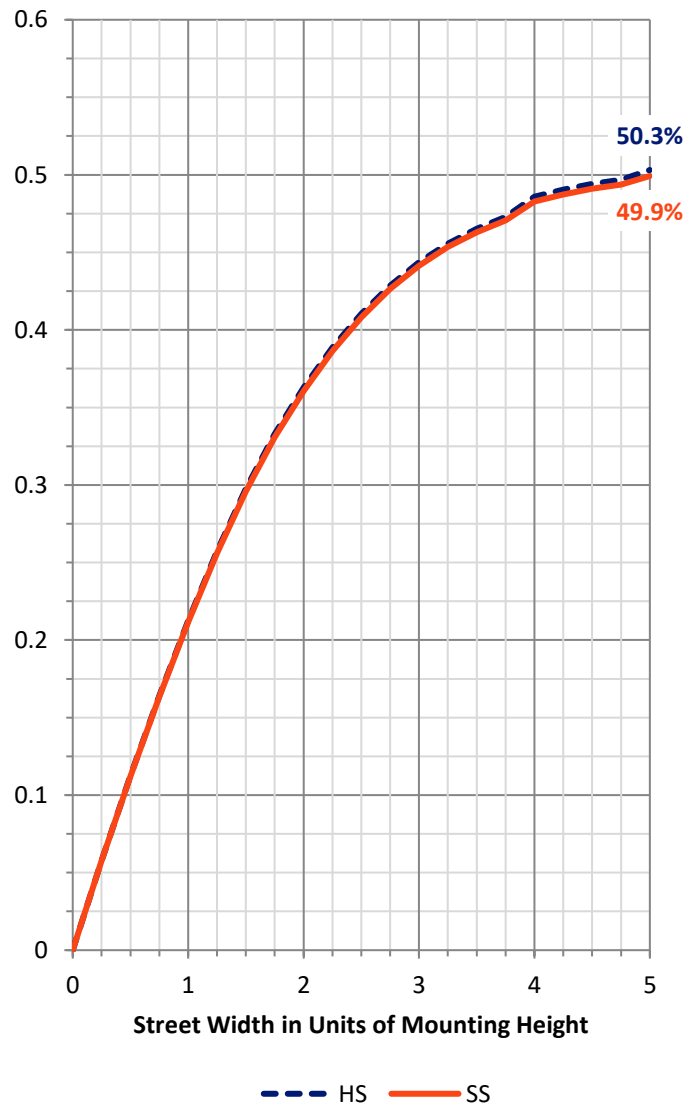
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4296.4	0.0	4296.4
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	4296.4	0.0	4296.4
	% Fixture	50.0	0.0	50.0
Total	Lumens	8592.8	0.0	8592.8
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	62.8	0.7
10°-20°	186.6	2.2
20°-30°	327.8	3.8
30°-40°	523.1	6.1
40°-50°	874.6	10.2
50°-60°	1496.6	17.4
60°-70°	2470.7	28.8
70°-80°	2368.1	27.6
80°-90°	282.4	3.3
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°	8592.8	100.0
0°-180°	8592.8	100.0



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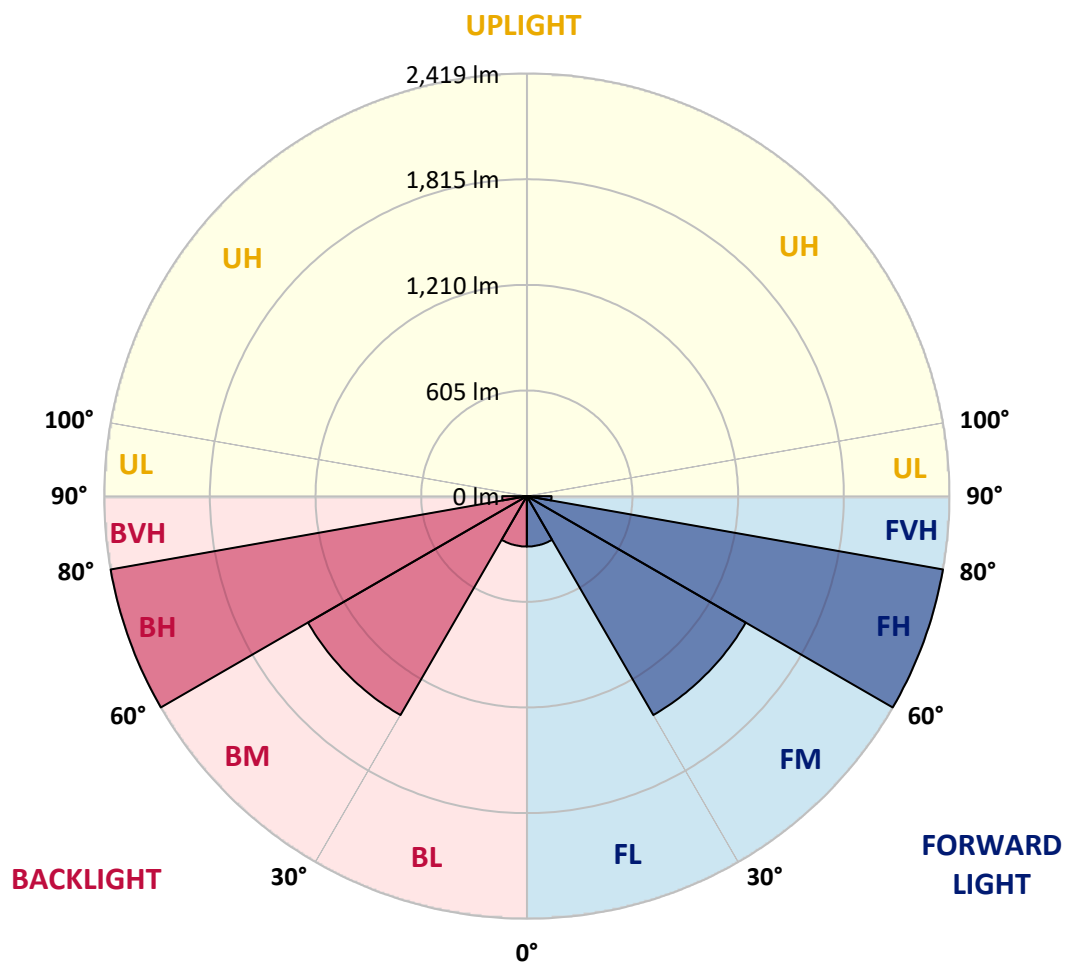
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	288.6	3.4			
FM	(30°-60°)	1447.1	16.8			
FH	(60°-80°)	2419.4	28.2			G2/5000
FVH	(80°-90°)	141.2	1.6			G2/225
BL	(0°-30°)	288.6	3.4	B1/500		
BM	(30°-60°)	1447.1	16.8	B2/2500		
BH	(60°-80°)	2419.4	28.2	B3/2500		G2/5000
BVH	(80°-90°)	141.2	1.6			G2/225
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G2

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	669.1	669.1	669.1	669.1	669.1	669.1	669.1	669.1	669.1	669.1	669.1
2.5°	664.9	664.9	666.7	667.3	666.7	666.1	665.5	664.9	666.7	666.1	666.7
5°	663.1	663.1	663.7	664.3	663.1	662.5	661.3	660.7	661.9	661.9	663.1
7.5°	658.3	657.7	658.3	658.9	657.1	656.5	654.7	654.7	654.7	654.1	655.3
10°	654.1	652.9	652.9	651.7	648.7	649.3	646.9	648.7	651.7	652.3	652.9
12.5°	655.9	654.7	653.5	650.5	646.3	646.9	646.3	648.1	652.3	654.7	656.5
15°	664.3	663.1	660.1	654.7	652.3	652.3	651.1	651.7	657.7	661.3	663.1
17.5°	673.3	670.9	665.5	661.9	659.5	661.3	657.1	656.5	661.3	666.7	668.5
20°	680.5	678.7	672.1	667.9	667.9	669.7	665.5	663.1	668.5	675.1	676.9
22.5°	693.1	691.9	685.3	681.1	681.1	681.7	679.3	677.5	683.5	690.1	691.9
25°	711.1	711.1	704.5	702.7	702.1	703.3	700.3	698.5	703.9	708.7	710.5
27.5°	732.1	730.3	724.9	723.7	726.1	730.3	724.9	720.1	724.3	728.5	729.1
30°	754.3	754.3	749.5	749.5	751.3	753.1	748.3	743.5	747.7	752.5	753.1
32.5°	785.5	783.7	781.9	782.5	781.9	779.5	777.1	776.5	780.1	783.1	784.3
35°	823.8	823.2	820.8	822.0	822.0	822.0	814.8	812.4	818.4	820.8	819.6
37.5°	883.2	882.6	876.6	873.0	868.8	867.0	858.0	857.4	871.8	879.0	877.8
40°	955.7	953.3	947.9	941.9	936.5	932.9	924.0	930.6	945.5	950.9	950.9
42.5°	1034.9	1031.9	1025.9	1022.9	1019.3	1015.7	1003.7	1006.7	1024.7	1030.1	1024.1
45°	1132.0	1127.8	1121.2	1114.6	1109.2	1102.0	1096.0	1099.0	1118.2	1124.8	1120.0
47.5°	1235.1	1233.9	1228.5	1223.1	1218.4	1213.6	1205.8	1211.2	1227.9	1226.7	1217.2
50°	1344.3	1346.7	1347.3	1352.7	1349.1	1349.7	1335.3	1332.3	1345.5	1337.7	1325.7
52.5°	1461.8	1465.4	1478.0	1488.8	1508.5	1510.9	1493.0	1473.8	1471.4	1451.0	1438.4
55°	1597.9	1597.3	1624.9	1654.8	1698.6	1712.4	1672.2	1636.3	1616.5	1576.9	1563.7
57.5°	1752.0	1750.2	1792.2	1844.9	1924.1	1958.2	1884.5	1816.1	1768.2	1720.8	1707.0
60°	1919.3	1923.5	1974.4	2060.2	2196.9	2244.2	2132.7	2019.4	1946.2	1884.5	1879.1
62.5°	2114.7	2115.3	2175.3	2291.6	2469.1	2545.2	2391.7	2238.2	2145.3	2077.6	2063.2
65°	2345.6	2349.8	2413.9	2531.4	2735.3	2829.4	2652.6	2465.5	2355.8	2264.0	2262.2
67.5°	2582.4	2580.0	2638.8	2763.5	2960.1	3047.1	2861.8	2653.2	2510.5	2395.9	2380.9
70°	2734.1	2747.3	2810.8	2930.2	3118.4	3203.0	2977.5	2725.7	2576.4	2471.5	2464.3
72.5°	2606.4	2631.0	2713.1	2911.0	3177.8	3277.9	2949.9	2650.8	2462.5	2357.0	2357.0
75°	2115.9	2156.7	2271.2	2575.8	2972.7	3146.0	2731.1	2319.8	2045.8	1933.1	1933.1
77.5°	1289.1	1328.1	1482.8	1854.5	2400.7	2622.6	2226.2	1747.2	1430.0	1292.1	1274.1
80°	428.7	453.9	605.6	942.5	1473.8	1745.4	1491.8	992.3	640.4	488.1	485.7
82.5°	113.9	124.1	172.7	273.4	639.8	945.5	682.3	327.4	187.7	145.7	134.3
85°	39.6	42.6	73.1	91.1	162.5	313.0	190.1	118.7	91.1	55.2	51.6
87.5°	11.4	12.6	29.4	31.8	46.8	36.6	51.6	47.4	43.2	18.0	16.2
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)