

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: P672623

Luminaire Tested: **CCP-SA-1E-850-U-5MQ**

Issue Date: 04/16/2023



Test Information

Test Method: LM-79-08
Report Number: P672623
Test Lab: INNOVATION CENTER(G2)
Issue Date: 04/16/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCP-SA-1E-850-U-5MQ
Description: INVUE CLEAR CURVE POLE MOUNT LIGHT SQUARE LUMINAIRE @1050mA w/ 5MQ distribution lens
Light Source: (16) 5000K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

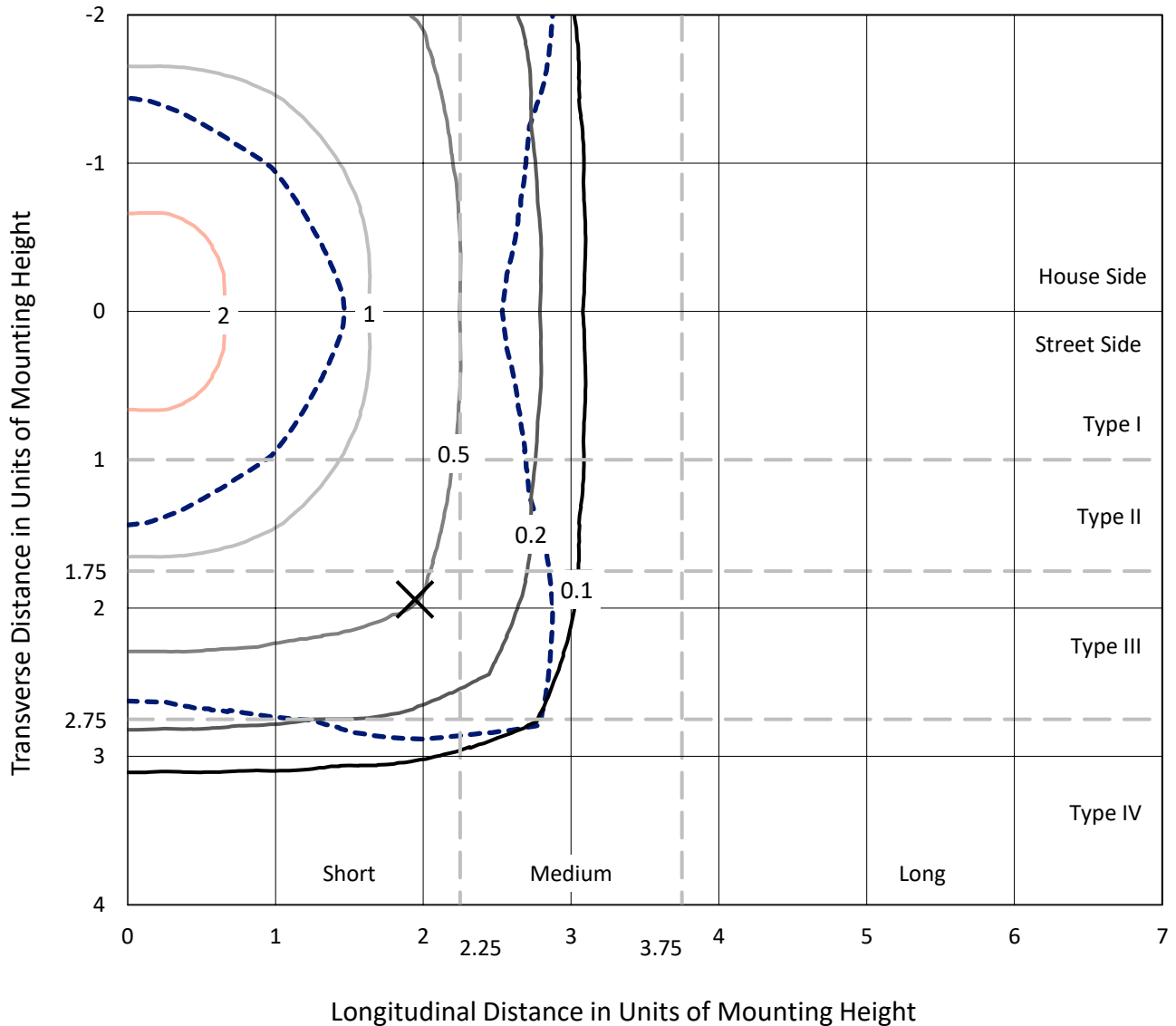
Lumens per Lamp: N/A
Luminaire Lumens: 6158.4 lumens
Efficiency: N/A
Efficacy: 109.8 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B3 - U0 - G1

Input Watts (W): 56.1
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

REPORT NUMBER: P672623
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Iso-Footcandle Lines of Horizontal Illumination

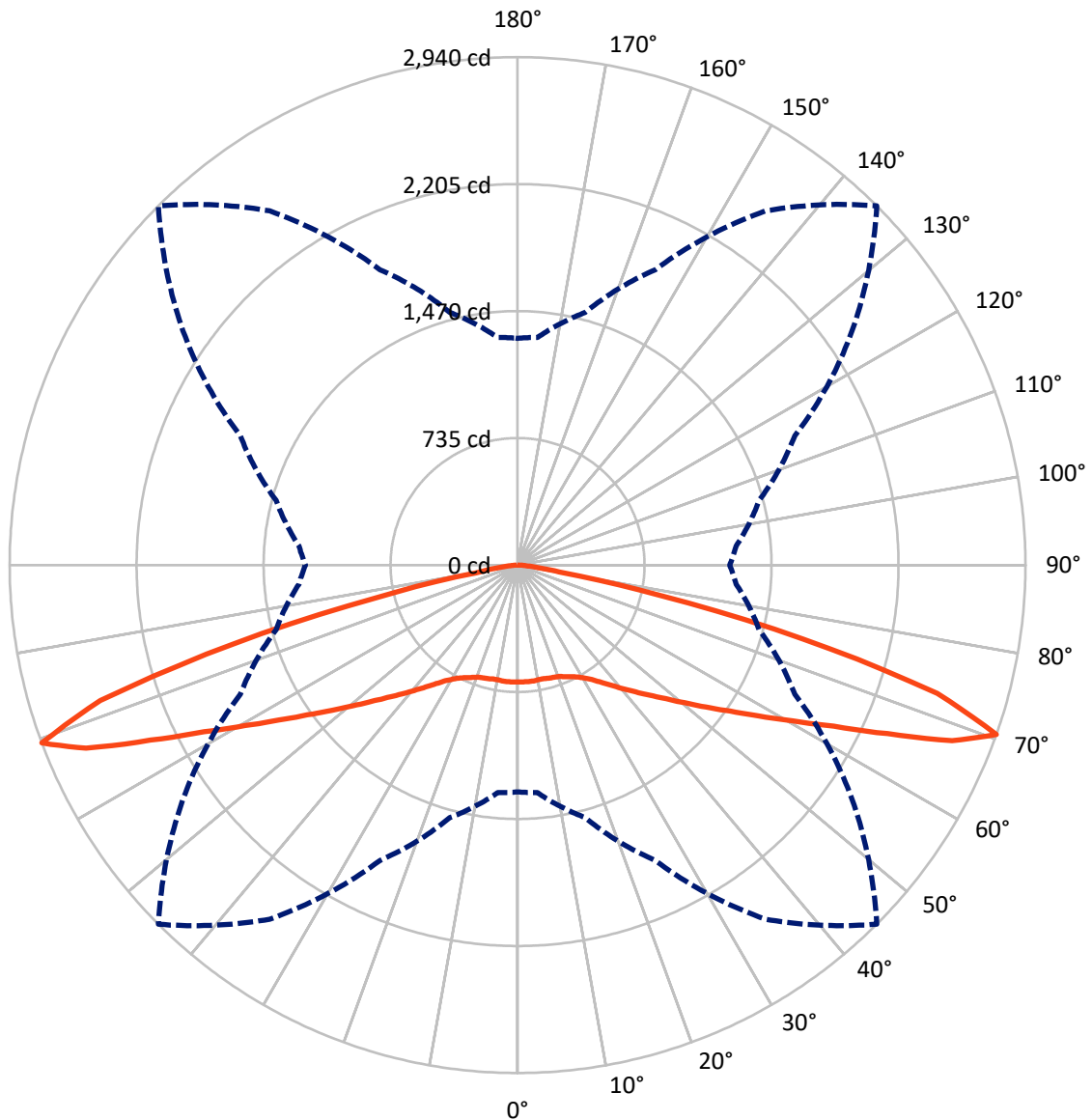
× Max cd
 - - - 1/2 Max cd



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

REPORT NUMBER: P672623
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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	3079.2	0.0	3079.2
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	3079.2	0.0	3079.2
	% Fixture	50.0	0.0	50.0
Total	Lumens	6158.4	0.0	6158.4
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	64.4	1.0
10°-20°	190.7	3.1
20°-30°	325.6	5.3
30°-40°	519.6	8.4
40°-50°	838.4	13.6
50°-60°	1342.5	21.8
60°-70°	1965.4	31.9
70°-80°	864.4	14.0
80°-90°	47.4	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°	6158.4	100.0
0°-180°	6158.4	100.0



REPORT NUMBER: P672623

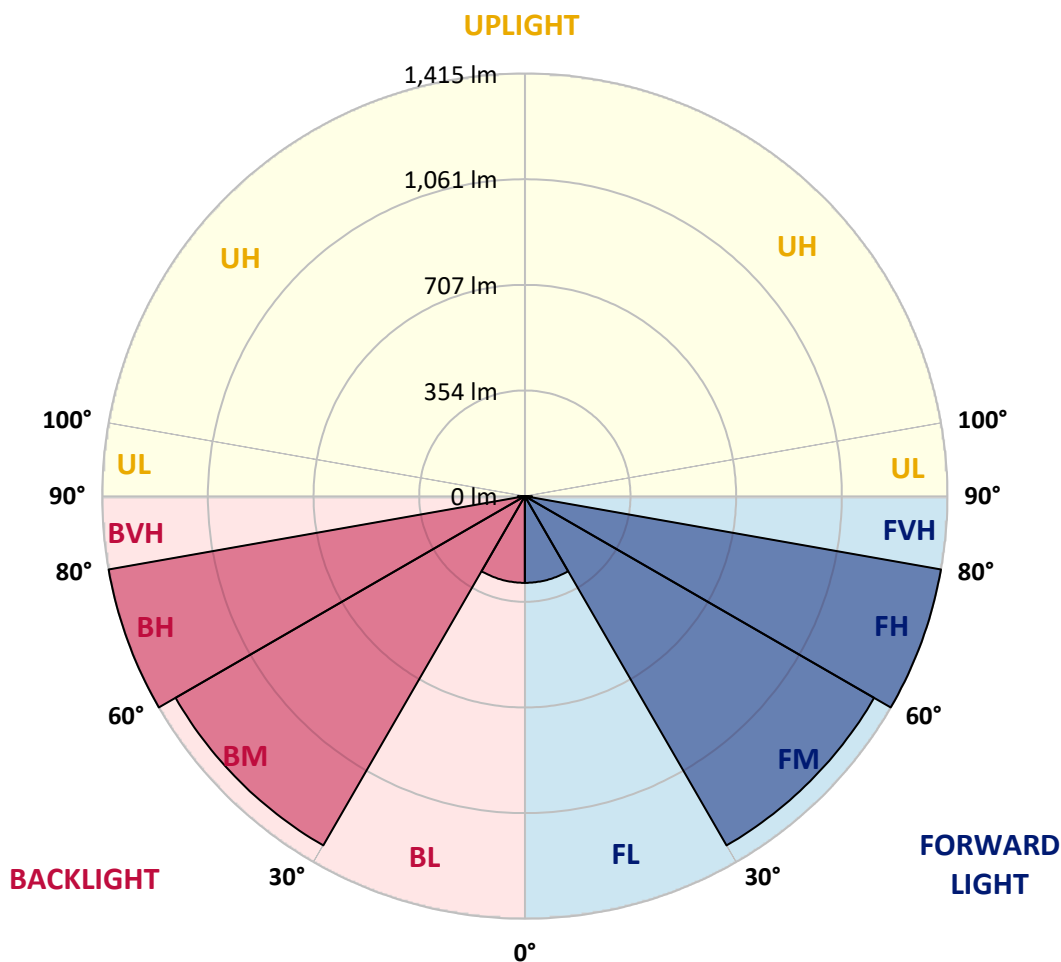
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	290.3	4.7			
FM (30°-60°)	1350.3	21.9			
FH (60°-80°)	1414.9	23.0			G1/1800
FVH (80°-90°)	23.7	0.4			G1/100
BL (0°-30°)	290.3	4.7	B1/500		
BM (30°-60°)	1350.3	21.9	B2/2500		
BH (60°-80°)	1414.9	23.0	B3/2500		G1/1800
BVH (80°-90°)	23.7	0.4			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G1

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	677.2	677.2	677.2	677.2	677.2	677.2	677.2	677.2	677.2	677.2	677.2
2.5°	676.3	675.9	676.8	677.2	676.3	676.8	674.2	674.2	675.5	674.2	675.9
5°	679.4	678.5	679.4	679.4	677.2	677.2	674.2	673.3	674.2	672.0	673.7
7.5°	679.8	678.1	679.4	679.0	677.2	677.2	672.9	671.1	671.5	669.4	670.7
10°	675.5	674.6	676.3	675.5	674.2	674.2	670.7	668.1	668.1	665.9	667.2
12.5°	672.9	672.0	674.2	674.6	673.7	674.2	669.8	666.3	665.0	662.4	663.3
15°	672.9	671.1	674.6	675.5	676.3	679.4	672.9	666.7	664.1	660.6	661.5
17.5°	672.4	671.5	675.5	678.5	679.4	682.9	675.5	668.9	665.9	660.6	661.5
20°	672.4	672.0	676.8	682.5	685.1	688.1	680.3	674.2	668.9	663.3	663.3
22.5°	674.6	674.2	680.7	689.0	696.4	701.7	692.5	682.5	675.5	668.1	667.2
25°	683.8	682.9	690.7	700.8	710.8	716.1	706.9	696.9	686.8	678.5	677.7
27.5°	702.5	702.1	709.9	722.2	729.1	733.1	725.2	716.5	706.5	696.9	696.4
30°	727.8	727.8	737.9	750.5	754.5	757.5	749.7	743.5	733.1	722.6	721.7
32.5°	758.4	760.1	771.9	785.9	788.5	790.2	781.9	778.0	766.7	755.3	753.6
35°	798.5	799.0	813.4	827.3	830.8	832.6	823.0	819.5	809.0	796.8	794.2
37.5°	849.6	848.3	861.8	877.5	881.0	883.2	875.3	872.7	859.6	847.4	843.5
40°	906.7	907.6	922.9	937.7	939.9	940.8	936.8	932.9	920.7	906.7	901.9
42.5°	973.1	973.1	991.0	1008.4	1008.4	1004.0	1002.3	1001.4	989.6	973.9	968.7
45°	1049.0	1049.9	1072.1	1085.2	1086.1	1074.3	1076.0	1081.3	1069.9	1049.9	1042.9
47.5°	1132.3	1133.6	1159.8	1174.2	1171.6	1156.3	1165.9	1168.5	1155.5	1129.7	1120.6
50°	1220.0	1224.0	1253.2	1278.5	1275.0	1252.8	1265.4	1266.3	1244.9	1215.2	1202.6
52.5°	1314.7	1323.9	1362.7	1389.8	1393.3	1365.3	1376.3	1375.4	1347.9	1307.3	1299.0
55°	1432.1	1437.3	1475.7	1514.1	1527.2	1492.8	1505.0	1498.9	1461.8	1415.5	1401.6
57.5°	1549.5	1557.3	1606.6	1649.8	1676.0	1646.8	1649.4	1633.7	1587.0	1531.2	1524.2
60°	1688.7	1692.2	1746.7	1803.0	1848.4	1830.9	1818.7	1786.0	1731.0	1675.2	1665.1
62.5°	1802.6	1809.6	1890.7	1973.6	2050.4	2053.5	2016.4	1967.5	1879.8	1786.4	1766.4
65°	1834.0	1845.3	1959.2	2122.9	2282.6	2353.7	2252.0	2102.8	1906.9	1765.9	1735.8
67.5°	1687.8	1709.6	1872.4	2144.2	2498.5	2711.9	2439.6	2038.6	1765.0	1600.5	1571.7
70°	1312.5	1322.1	1513.3	1886.3	2502.0	2939.7	2364.2	1770.3	1446.9	1270.2	1227.9
72.5°	697.3	702.1	874.4	1270.2	2036.0	2539.6	1953.5	1238.8	851.8	691.2	642.7
75°	225.2	231.3	301.1	520.1	1123.2	1706.6	1152.0	515.3	293.7	236.9	224.3
77.5°	114.8	114.3	127.0	167.6	377.9	836.5	399.7	180.6	127.0	113.9	110.4
80°	71.6	70.3	79.9	91.6	132.2	244.4	143.6	101.2	80.3	68.9	68.5
82.5°	40.6	40.6	53.7	58.9	74.6	100.8	83.8	69.4	55.0	41.0	39.7
85°	22.7	20.1	33.6	37.1	42.8	49.7	51.1	44.9	37.1	22.7	23.6
87.5°	8.3	9.2	15.7	14.8	17.0	11.8	20.9	23.6	20.9	10.9	9.2
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)