

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: P672606

Luminaire Tested: **CCP-SA-2D-835-U-5MQ**

Issue Date: 04/16/2023



Test Information

Test Method: LM-79-08
Report Number: P672606
Test Lab: INNOVATION CENTER(G2)
Issue Date: 04/16/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCP-SA-2D-835-U-5MQ
Description: INVUE CLEAR CURVE POLE MOUNT LIGHT SQUARE LUMINAIRE @800mA w/ 5MQ
distribution lens
Light Source: (32) 3500K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

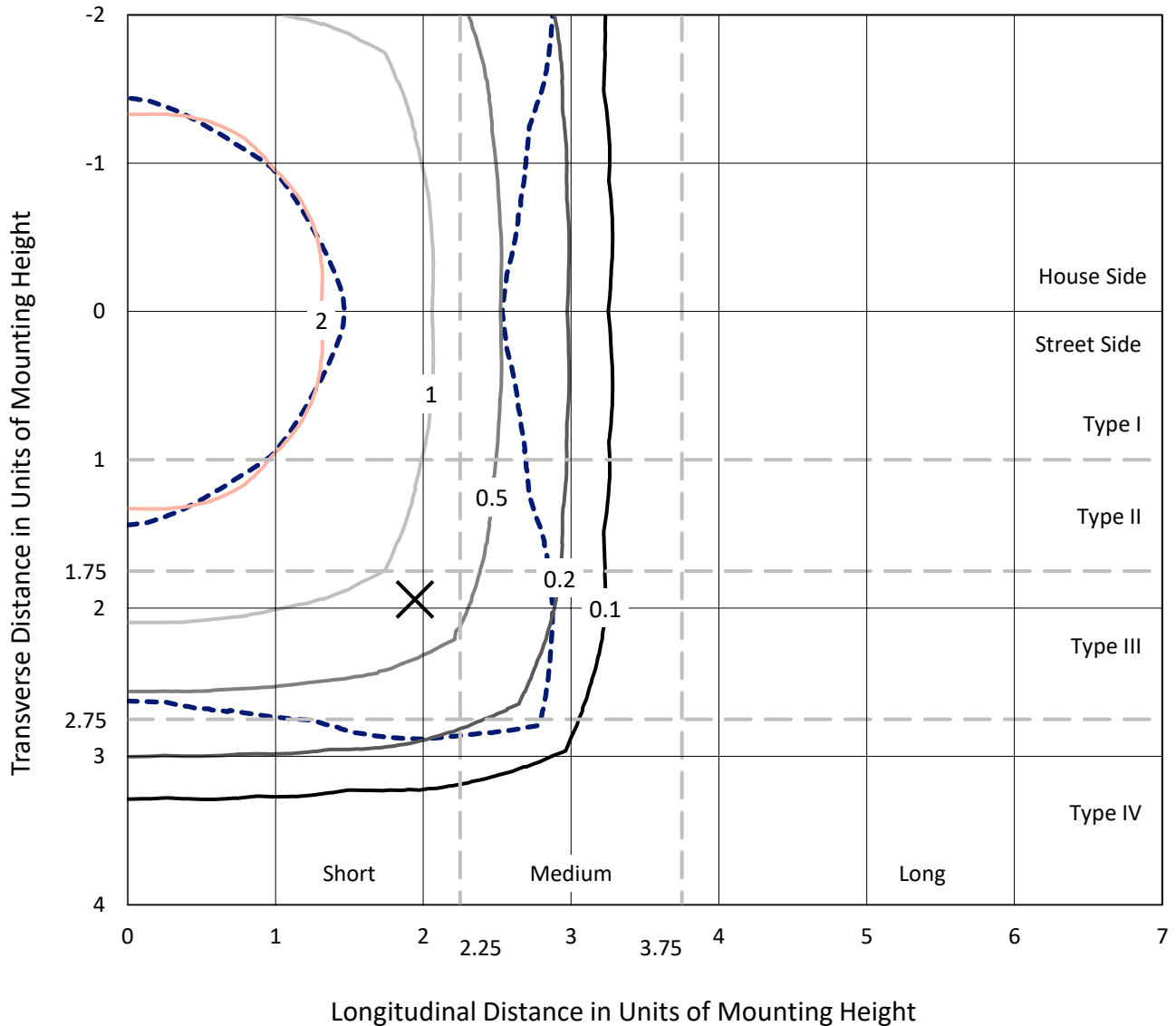
Lumens per Lamp: N/A
Luminaire Lumens: 9486.2 lumens
Efficiency: N/A
Efficacy: 117.4 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B3 - U0 - G2

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

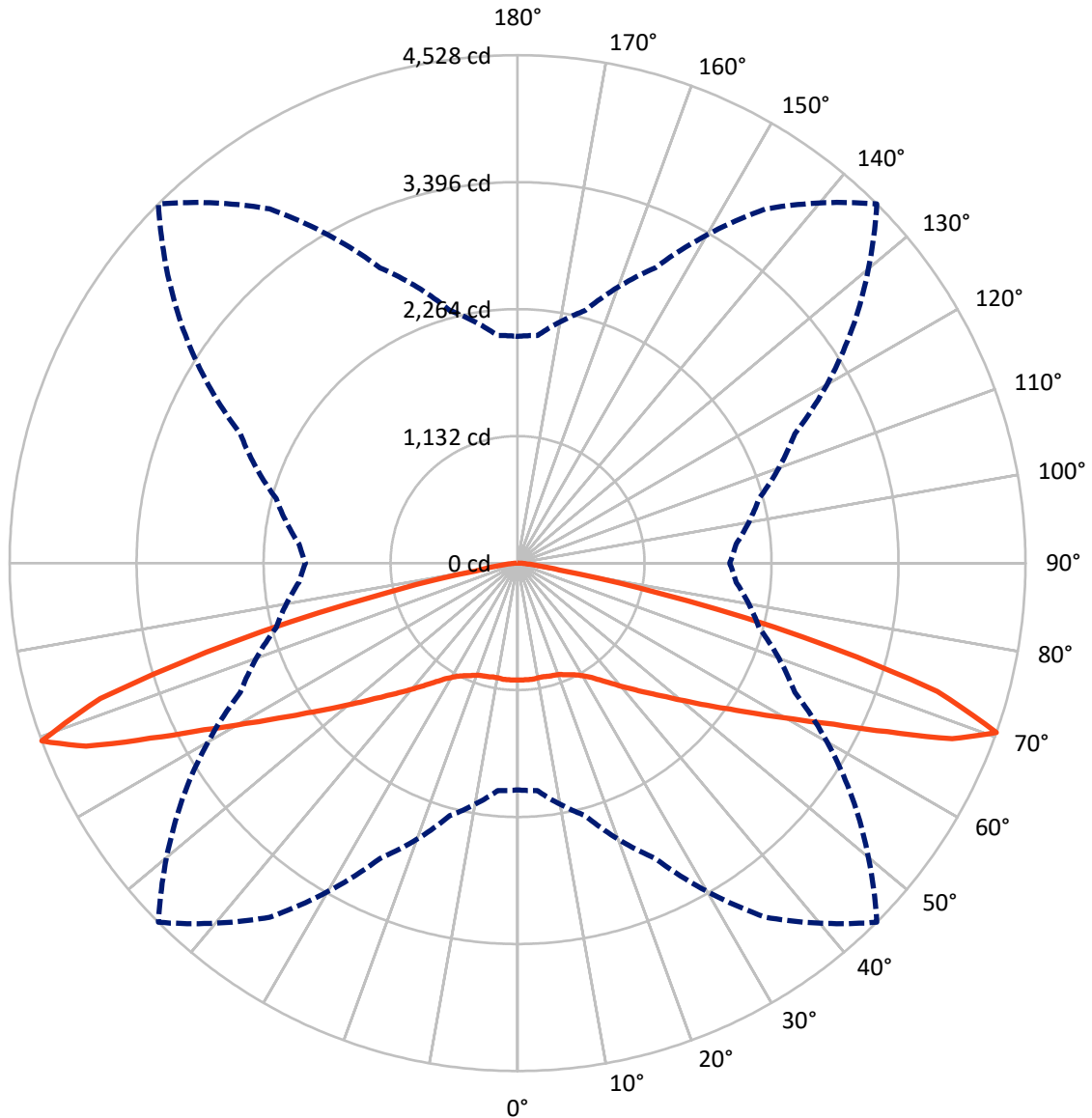
× Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 4.6 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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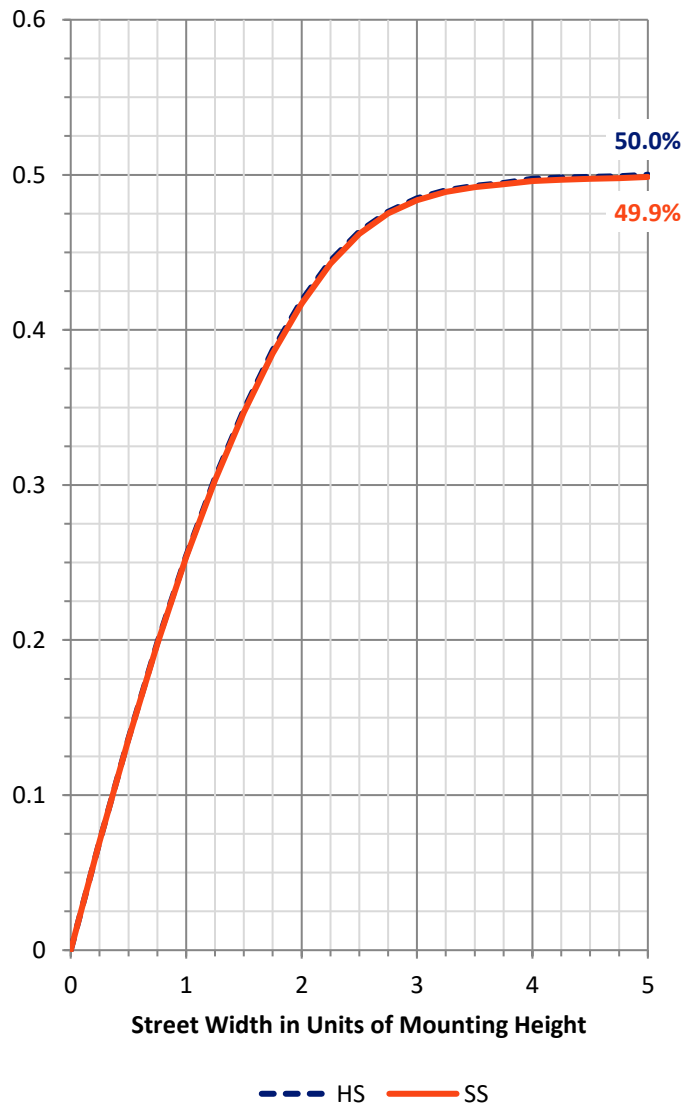
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4743.1	0.0	4743.1
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	4743.1	0.0	4743.1
	% Fixture	50.0	0.0	50.0
Total	Lumens	9486.2	0.0	9486.2
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	99.2	1.0
10°-20°	293.7	3.1
20°-30°	501.5	5.3
30°-40°	800.3	8.4
40°-50°	1291.5	13.6
50°-60°	2068.0	21.8
60°-70°	3027.5	31.9
70°-80°	1331.5	14.0
80°-90°	73.0	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°	9486.2	100.0
0°-180°	9486.2	100.0



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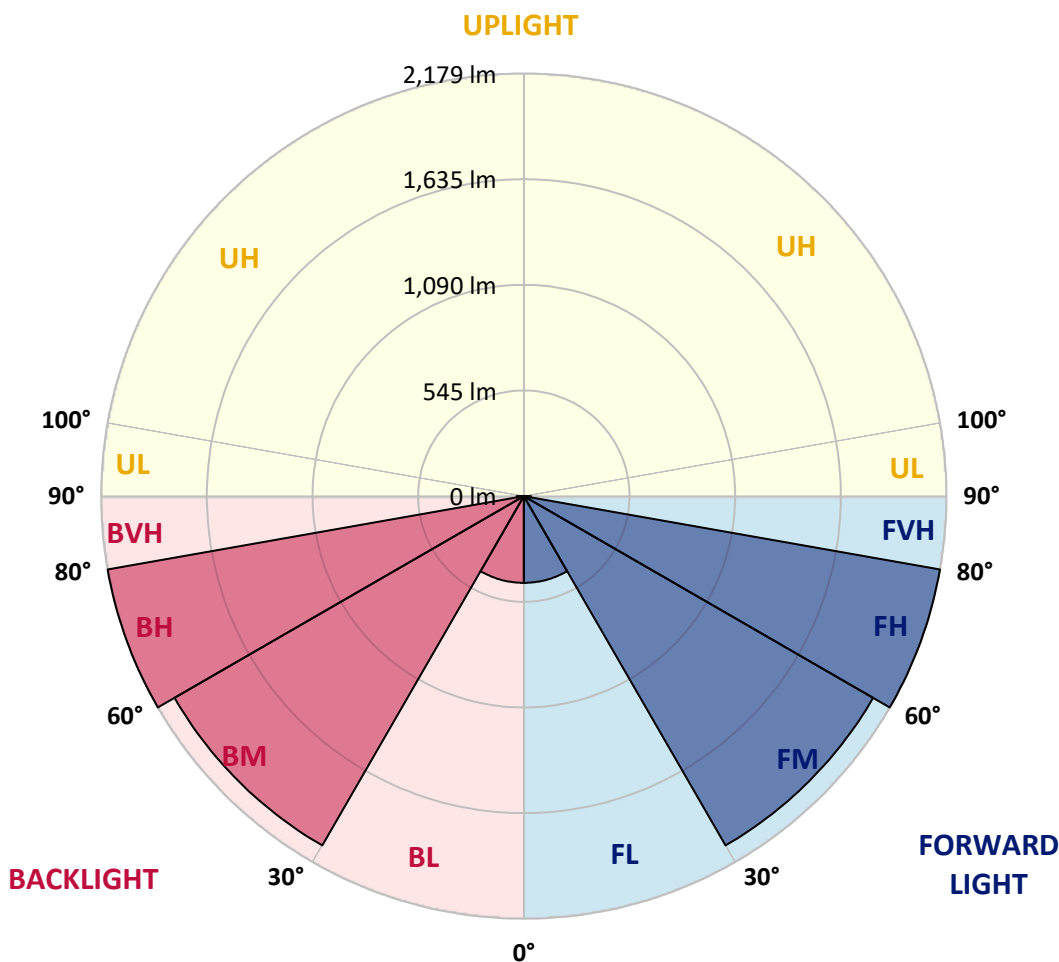
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	447.2	4.7			
FM (30°-60°)	2079.9	21.9			
FH (60°-80°)	2179.5	23.0			G2/5000
FVH (80°-90°)	36.5	0.4			G1/100
BL (0°-30°)	447.2	4.7	B1/500		
BM (30°-60°)	2079.9	21.9	B2/2500		
BH (60°-80°)	2179.5	23.0	B3/2500		G2/5000
BVH (80°-90°)	36.5	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-G2

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	1043.2	1043.2	1043.2	1043.2	1043.2	1043.2	1043.2	1043.2	1043.2	1043.2	1043.2
2.5°	1041.8	1041.2	1042.5	1043.2	1041.8	1042.5	1038.5	1038.5	1040.5	1038.5	1041.2
5°	1046.5	1045.2	1046.5	1046.5	1043.2	1043.2	1038.5	1037.1	1038.5	1035.1	1037.8
7.5°	1047.2	1044.5	1046.5	1045.9	1043.2	1043.2	1036.5	1033.8	1034.4	1031.1	1033.1
10°	1040.5	1039.1	1041.8	1040.5	1038.5	1038.5	1033.1	1029.1	1029.1	1025.7	1027.7
12.5°	1036.5	1035.1	1038.5	1039.1	1037.8	1038.5	1031.7	1026.4	1024.4	1020.3	1021.7
15°	1036.5	1033.8	1039.1	1040.5	1041.8	1046.5	1036.5	1027.0	1023.0	1017.6	1019.0
17.5°	1035.8	1034.4	1040.5	1045.2	1046.5	1051.9	1040.5	1030.4	1025.7	1017.6	1019.0
20°	1035.8	1035.1	1042.5	1051.2	1055.3	1060.0	1047.9	1038.5	1030.4	1021.7	1021.7
22.5°	1039.1	1038.5	1048.5	1061.3	1072.7	1080.8	1066.7	1051.2	1040.5	1029.1	1027.7
25°	1053.3	1051.9	1064.0	1079.5	1094.9	1103.0	1088.9	1073.4	1058.0	1045.2	1043.8
27.5°	1082.2	1081.5	1093.6	1112.4	1123.2	1129.2	1117.1	1103.7	1088.2	1073.4	1072.7
30°	1121.1	1121.1	1136.6	1156.1	1162.1	1166.8	1154.7	1145.3	1129.2	1113.1	1111.7
32.5°	1168.2	1170.9	1189.0	1210.5	1214.6	1217.3	1204.5	1198.4	1181.0	1163.5	1160.8
35°	1230.0	1230.7	1252.9	1274.4	1279.8	1282.5	1267.7	1262.3	1246.2	1227.3	1223.3
37.5°	1308.7	1306.7	1327.5	1351.7	1357.1	1360.4	1348.3	1344.3	1324.1	1305.3	1299.3
40°	1396.7	1398.1	1421.6	1444.4	1447.8	1449.1	1443.1	1437.1	1418.2	1396.7	1389.3
42.5°	1498.9	1498.9	1526.4	1553.3	1553.3	1546.6	1543.9	1542.6	1524.4	1500.2	1492.2
45°	1615.8	1617.2	1651.5	1671.6	1673.0	1654.8	1657.5	1665.6	1648.1	1617.2	1606.4
47.5°	1744.2	1746.2	1786.6	1808.7	1804.7	1781.2	1796.0	1800.0	1779.8	1740.2	1726.1
50°	1879.3	1885.4	1930.4	1969.4	1964.0	1929.7	1949.2	1950.6	1917.6	1871.9	1852.4
52.5°	2025.2	2039.3	2099.1	2140.8	2146.2	2103.1	2120.0	2118.6	2076.3	2013.8	2001.0
55°	2206.0	2214.1	2273.2	2332.4	2352.5	2299.4	2318.2	2308.8	2251.7	2180.4	2158.9
57.5°	2386.8	2398.9	2474.8	2541.4	2581.7	2536.7	2540.7	2516.5	2444.6	2358.6	2347.8
60°	2601.2	2606.6	2690.6	2777.3	2847.2	2820.3	2801.5	2751.1	2666.4	2580.4	2564.9
62.5°	2776.6	2787.4	2912.4	3040.1	3158.4	3163.1	3106.0	3030.7	2895.6	2751.8	2720.9
65°	2825.0	2842.5	3017.9	3270.0	3516.0	3625.6	3469.0	3239.1	2937.3	2720.2	2673.8
67.5°	2599.9	2633.5	2884.2	3302.9	3848.7	4177.4	3758.0	3140.3	2718.8	2465.4	2421.1
70°	2021.8	2036.6	2331.0	2905.7	3854.1	4528.3	3641.7	2726.9	2228.8	1956.6	1891.4
72.5°	1074.1	1081.5	1347.0	1956.6	3136.2	3911.9	3009.2	1908.2	1312.0	1064.7	990.1
75°	346.8	356.2	463.8	801.2	1730.1	2628.8	1774.5	793.8	452.4	365.0	345.5
77.5°	176.8	176.1	195.6	258.1	582.1	1288.5	615.7	278.3	195.6	175.4	170.1
80°	110.2	108.2	123.0	141.2	203.7	376.4	221.1	155.9	123.7	106.2	105.5
82.5°	62.5	62.5	82.7	90.7	114.9	155.3	129.1	106.9	84.7	63.2	61.2
85°	35.0	30.9	51.8	57.1	65.9	76.6	78.6	69.2	57.1	35.0	36.3
87.5°	12.8	14.1	24.2	22.9	26.2	18.1	32.3	36.3	32.3	16.8	14.1
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)