

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: P672916

Luminaire Tested: **CCP-SA-2D-850-U-RW**

Issue Date: 04/16/2023



Test Information

Test Method: LM-79-08
Report Number: P672916
Test Lab: INNOVATION CENTER(G2)
Issue Date: 04/16/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCP-SA-2D-850-U-RW
Description: INVUE CLEAR CURVE POLE MOUNT LIGHT SQUARE LUMINAIRE @800mA w/ RW distribution lens
Light Source: (32) 5000K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

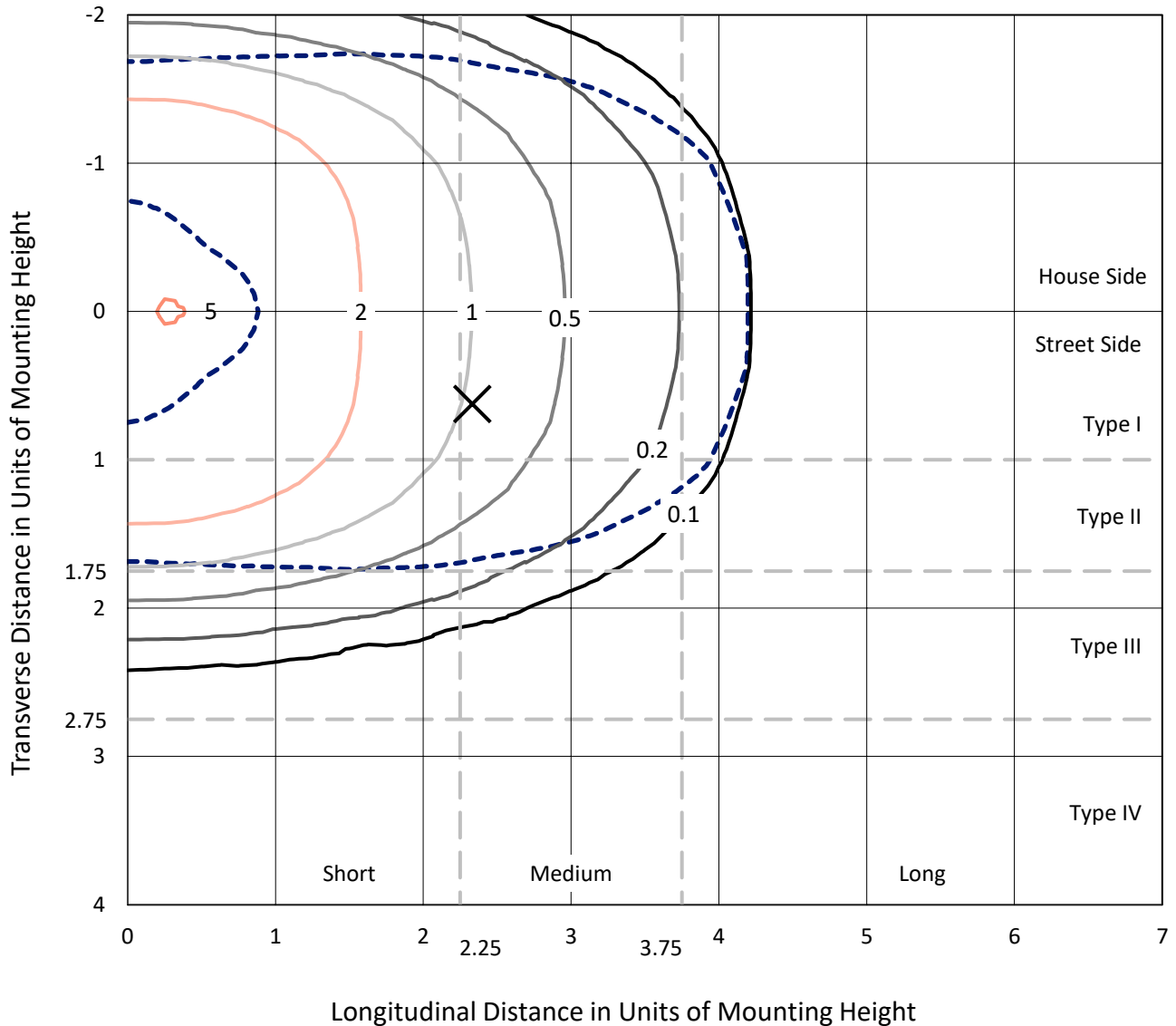
Lumens per Lamp: N/A
Luminaire Lumens: 9899.7 lumens
Efficiency: N/A
Efficacy: 122.5 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B3 - U0 - G3

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

REPORT NUMBER: P672916
 CATALOG NUMBER: CCP-SA-2D-850-U-RW

Iso-Footcandle Lines of Horizontal Illumination

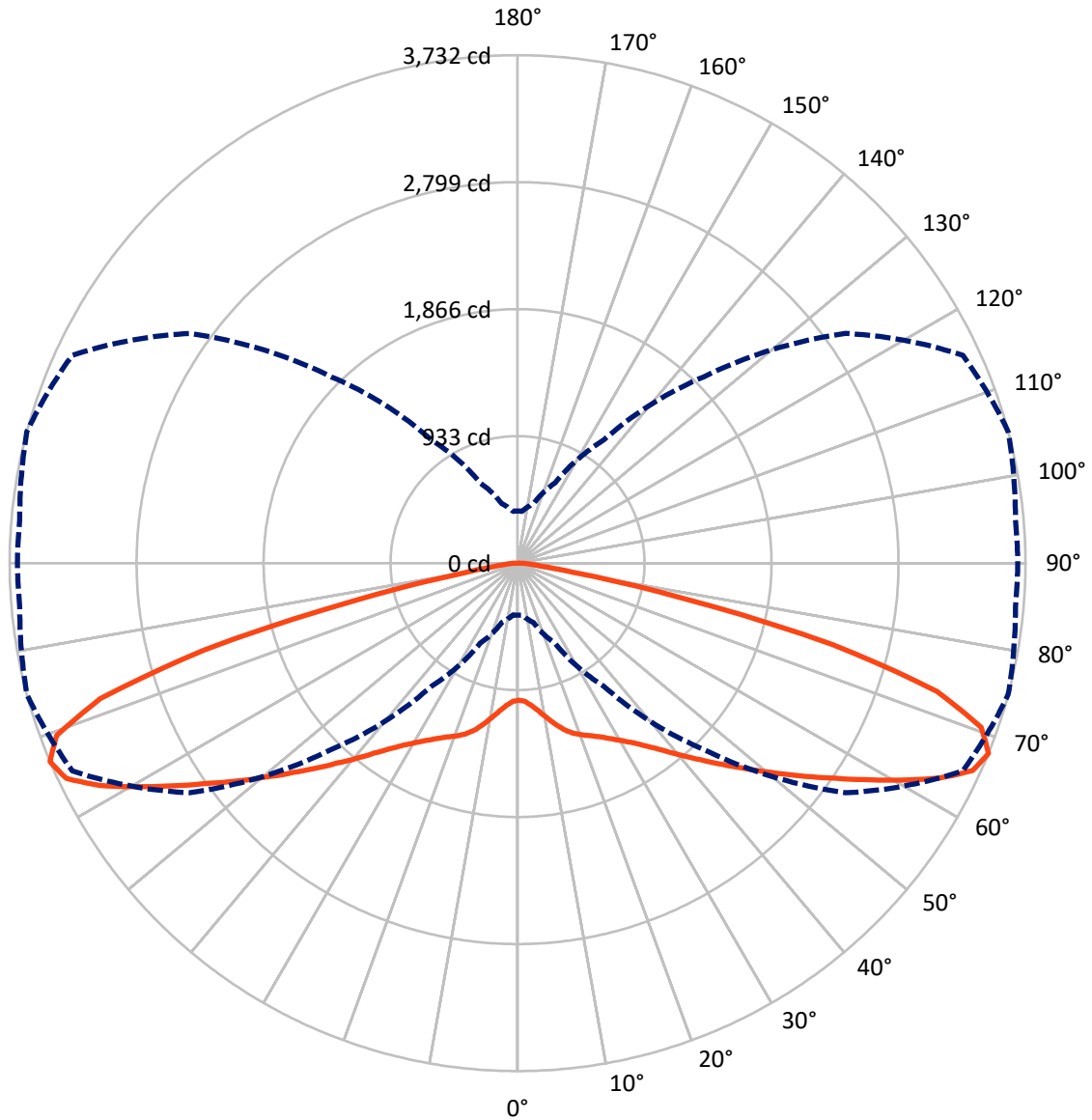
× Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 5.2 fc
 Type II - Medium - N/A

REPORT NUMBER: P672916
CATALOG NUMBER: CCP-SA-2D-850-U-RW

Luminous Intensity Polar Plot



— Vertical Plane Through 75-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

REPORT NUMBER: P672916
 CATALOG NUMBER: CCP-SA-2D-850-U-RW

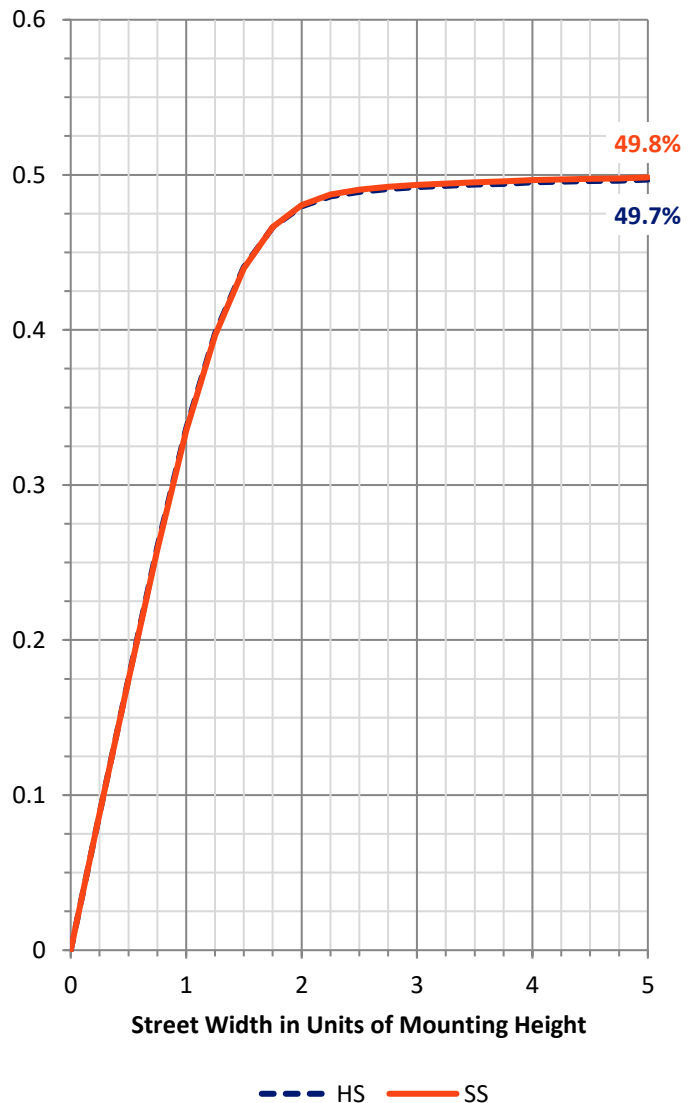
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4949.8	0.0	4949.8
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	4949.8	0.0	4949.8
	% Fixture	50.0	0.0	50.0
Total	Lumens	9899.7	0.0	9899.7
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	99.7	1.0
10°-20°	335.8	3.4
20°-30°	655.7	6.6
30°-40°	1131.2	11.4
40°-50°	1832.4	18.5
50°-60°	2492.1	25.2
60°-70°	2299.0	23.2
70°-80°	962.0	9.7
80°-90°	91.8	0.9
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°	9899.7	100.0
0°-180°	9899.7	100.0



REPORT NUMBER: P672916

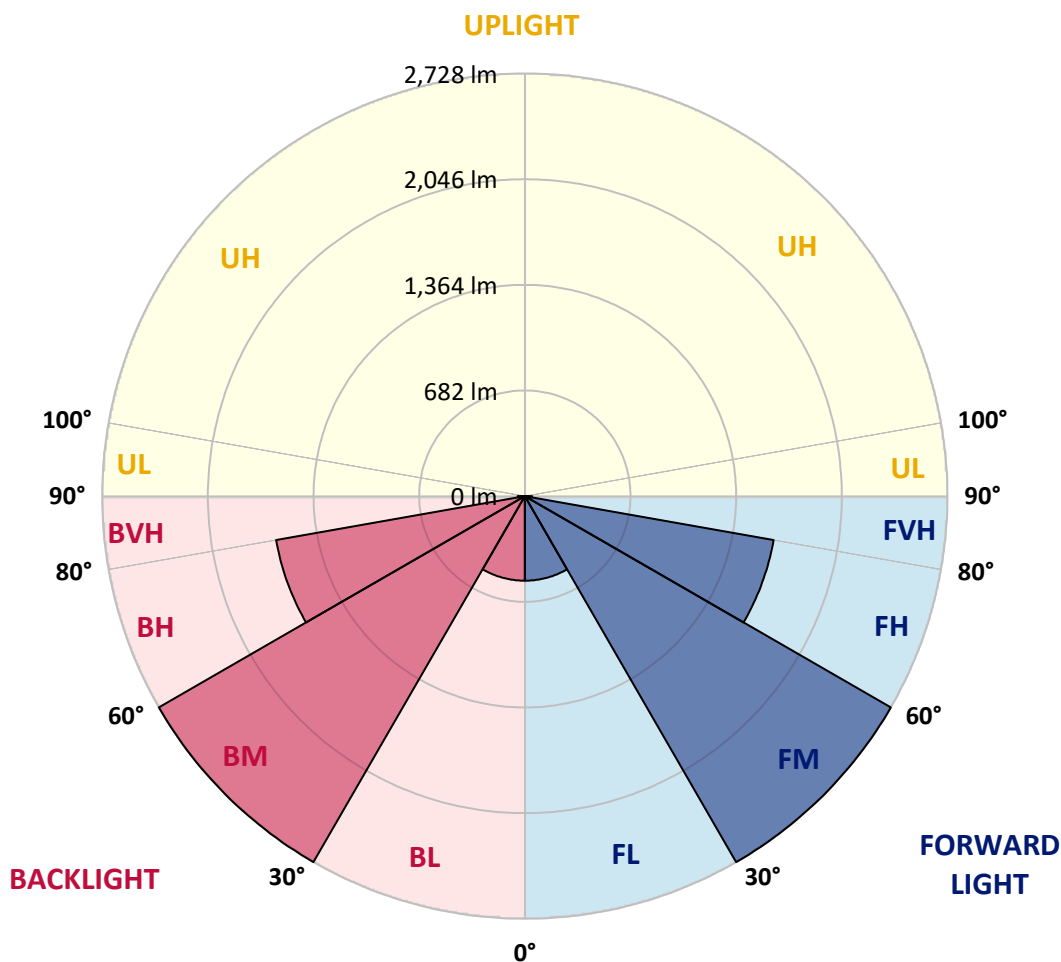
CATALOG NUMBER: CCP-SA-2D-850-U-RW

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	545.6	5.5			
FM (30°-60°)	2727.8	27.6			
FH (60°-80°)	1630.5	16.5			G1/1800
FVH (80°-90°)	45.9	0.5			G1/100
BL (0°-30°)	545.6	5.5	B2/1000		
BM (30°-60°)	2727.8	27.6	B3/5000		
BH (60°-80°)	1630.5	16.5	B3/2500		G3/2500
BVH (80°-90°)	45.9	0.5			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G3

Type II Medium





REPORT NUMBER: P672916
 CATALOG NUMBER: CCP-SA-2D-850-U-RW

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	1007.1	1007.1	1007.1	1007.1	1007.1	1007.1	1007.1	1007.1	1007.1	1007.1	1007.1
2.5°	1000.7	1000.7	1003.6	1007.1	1008.6	1011.4	1012.1	1012.1	1016.4	1015.7	1016.4
5°	997.9	997.9	1002.9	1009.3	1016.4	1024.9	1033.5	1038.5	1049.1	1051.3	1052.0
7.5°	1000.7	1001.4	1008.6	1019.2	1031.3	1047.0	1063.4	1076.9	1094.7	1101.1	1105.4
10°	1011.4	1012.1	1021.4	1036.3	1054.8	1077.6	1101.1	1122.4	1150.9	1163.7	1165.9
12.5°	1027.8	1028.5	1042.0	1066.2	1092.6	1121.0	1147.4	1174.4	1210.0	1229.2	1233.5
15°	1052.7	1050.6	1071.9	1107.5	1144.5	1180.1	1203.6	1229.9	1267.6	1292.6	1299.0
17.5°	1086.9	1088.3	1114.6	1160.2	1205.7	1242.0	1265.5	1280.5	1313.2	1338.8	1345.2
20°	1129.6	1136.0	1169.4	1222.1	1275.5	1313.9	1330.3	1328.1	1346.7	1368.7	1373.7
22.5°	1190.1	1194.3	1234.9	1294.0	1355.2	1395.1	1401.5	1378.0	1377.3	1391.5	1397.9
25°	1261.2	1264.8	1307.5	1375.8	1440.6	1482.6	1476.2	1435.6	1414.3	1415.0	1419.3
27.5°	1344.5	1351.6	1395.8	1465.5	1532.4	1570.9	1561.6	1502.5	1460.5	1447.7	1444.9
30°	1452.7	1460.5	1505.4	1572.3	1631.4	1665.5	1651.3	1576.6	1513.9	1492.6	1488.3
32.5°	1593.6	1592.9	1639.2	1704.0	1745.2	1767.3	1739.5	1654.8	1575.8	1547.4	1541.7
35°	1738.8	1746.0	1791.5	1854.1	1885.5	1886.9	1842.7	1747.4	1653.4	1604.3	1593.6
37.5°	1902.5	1906.1	1958.8	2017.8	2038.5	2027.1	1961.6	1855.6	1747.4	1695.4	1676.9
40°	2070.5	2074.1	2135.3	2192.2	2215.0	2188.0	2101.8	1975.1	1858.4	1801.5	1790.8
42.5°	2226.4	2235.6	2304.0	2370.9	2392.9	2361.6	2257.7	2106.1	1975.8	1921.0	1906.8
45°	2355.9	2365.9	2442.8	2528.2	2567.3	2541.7	2424.3	2253.4	2111.1	2052.0	2027.8
47.5°	2453.4	2466.3	2548.1	2650.6	2726.8	2721.8	2601.5	2409.3	2256.3	2186.5	2164.5
50°	2520.3	2533.9	2622.1	2732.5	2847.0	2885.5	2781.6	2581.6	2417.9	2339.6	2324.6
52.5°	2525.3	2537.4	2638.5	2775.9	2928.9	3013.6	2958.8	2763.1	2595.8	2514.7	2504.0
55°	2414.3	2422.8	2557.4	2740.3	2962.4	3111.8	3120.4	2960.9	2785.8	2704.0	2699.0
57.5°	2159.5	2171.6	2332.4	2574.4	2906.8	3175.2	3260.6	3168.0	3000.8	2923.9	2919.6
60°	1744.5	1760.2	1943.8	2265.5	2706.1	3158.8	3379.4	3362.4	3235.7	3160.9	3158.1
62.5°	1230.6	1236.3	1427.8	1782.3	2313.2	2985.1	3437.1	3551.7	3479.1	3403.6	3407.9
65°	723.1	731.0	871.2	1190.1	1754.5	2585.8	3337.4	3683.4	3674.1	3605.1	3612.2
67.5°	382.2	382.2	452.7	650.5	1103.2	1936.0	2941.0	3610.8	3731.8	3671.3	3674.8
70°	264.1	263.4	276.2	326.7	533.1	1200.0	2200.1	3230.7	3614.3	3591.5	3600.8
72.5°	223.5	222.1	222.8	229.9	271.2	542.4	1336.0	2488.3	3222.1	3257.0	3264.8
75°	195.7	193.6	192.2	190.8	194.3	246.3	609.3	1535.3	2388.7	2607.9	2603.6
77.5°	168.7	167.3	165.8	160.9	155.2	161.6	249.1	690.4	1228.5	1449.9	1434.2
80°	138.8	138.8	140.9	133.8	123.1	118.9	148.8	257.7	407.8	425.6	391.5
82.5°	108.9	108.9	119.6	109.6	96.8	86.1	103.2	137.4	165.8	134.5	109.6
85°	76.9	77.6	99.6	91.1	74.7	49.8	64.1	81.9	93.2	59.1	46.3
87.5°	31.3	33.5	61.9	49.1	47.0	24.9	29.9	36.3	46.3	24.9	19.9
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)