

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: P672807

Luminaire Tested: **CCP-SA-2E-727-U-RW**

Issue Date: 04/16/2023



Test Information

Test Method: LM-79-08
Report Number: P672807
Test Lab: INNOVATION CENTER(G2)
Issue Date: 04/16/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCP-SA-2E-727-U-RW
Description: INVUE CLEAR CURVE POLE MOUNT LIGHT SQUARE LUMINAIRE @1050mA w/ RW distribution lens
Light Source: (32) 2700K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

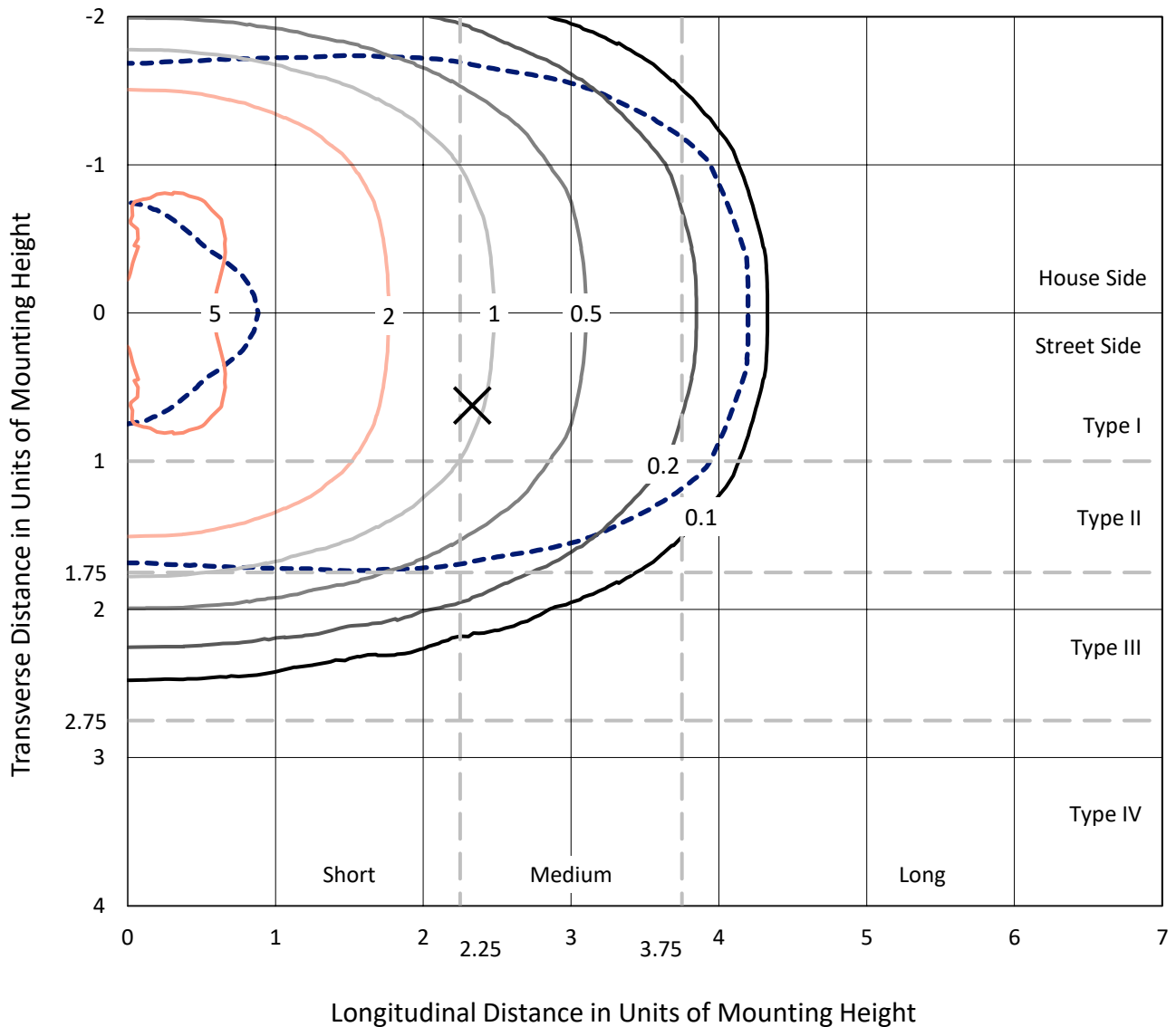
Lumens per Lamp: N/A
Luminaire Lumens: 11631.9 lumens
Efficiency: N/A
Efficacy: 109.1 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B3 - U0 - G3

Input Watts (W): 106.6
Input Voltage (V): 120
Input Current (A_{in}): 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: P672807
 CATALOG NUMBER: CCP-SA-2E-727-U-RW

Iso-Footcandle Lines of Horizontal Illumination

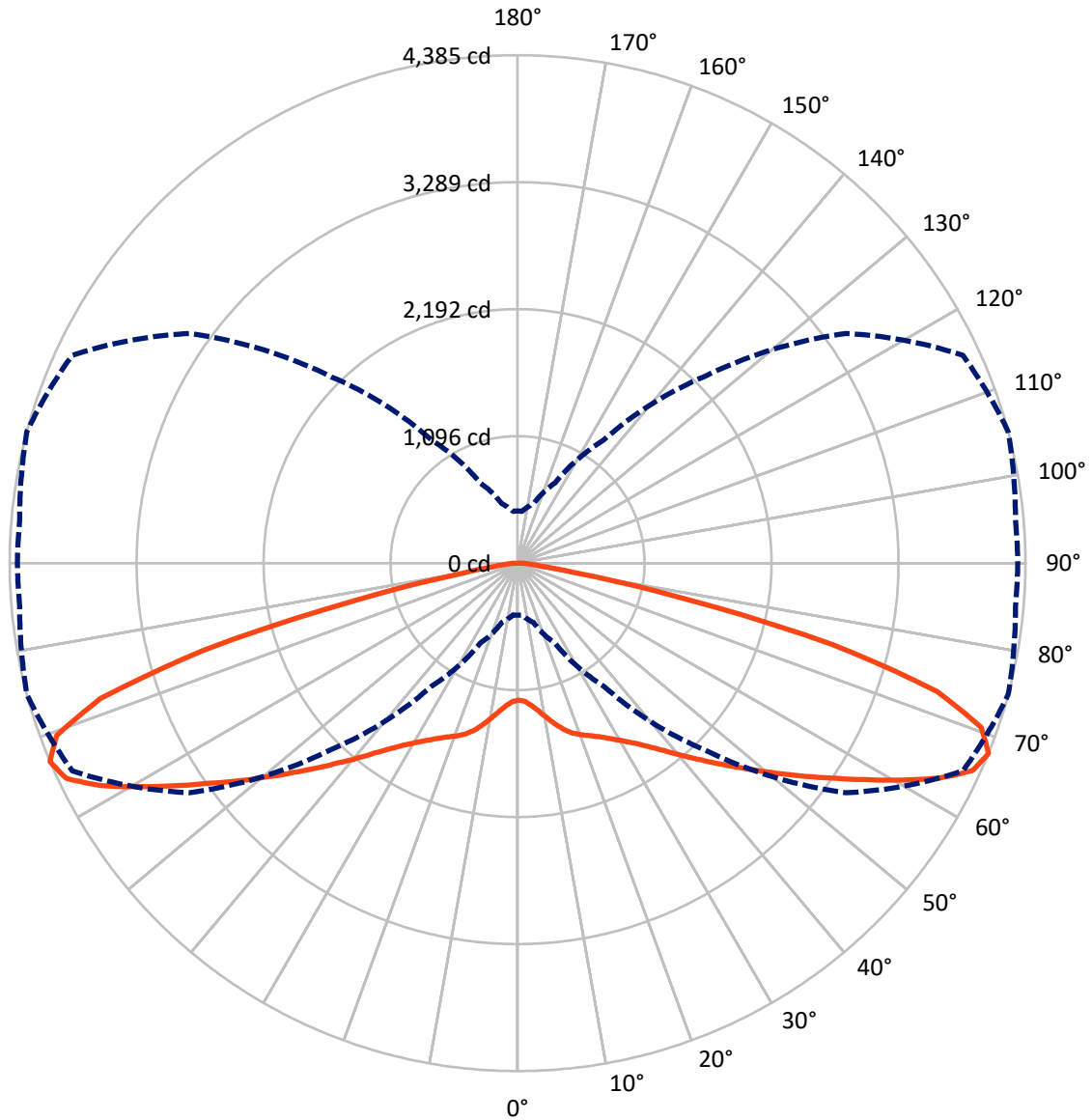
× Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 6.1 fc
 Type II - Medium - N/A

REPORT NUMBER: P672807
CATALOG NUMBER: CCP-SA-2E-727-U-RW

Luminous Intensity Polar Plot



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

REPORT NUMBER: P672807
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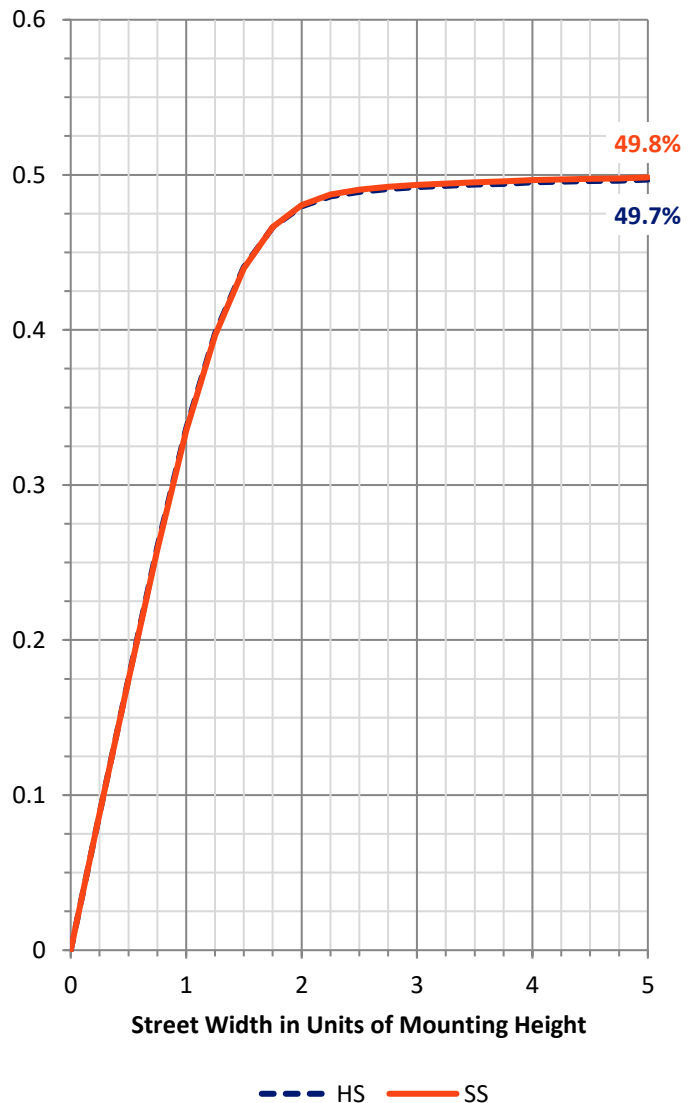
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	5815.9	0.0	5815.9
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	5815.9	0.0	5815.9
	% Fixture	50.0	0.0	50.0
Total	Lumens	11631.9	0.0	11631.9
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	117.1	1.0
10°-20°	394.6	3.4
20°-30°	770.4	6.6
30°-40°	1329.1	11.4
40°-50°	2153.0	18.5
50°-60°	2928.1	25.2
60°-70°	2701.3	23.2
70°-80°	1130.3	9.7
80°-90°	107.9	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°	11631.9	100.0
0°-180°	11631.9	100.0



REPORT NUMBER: P672807

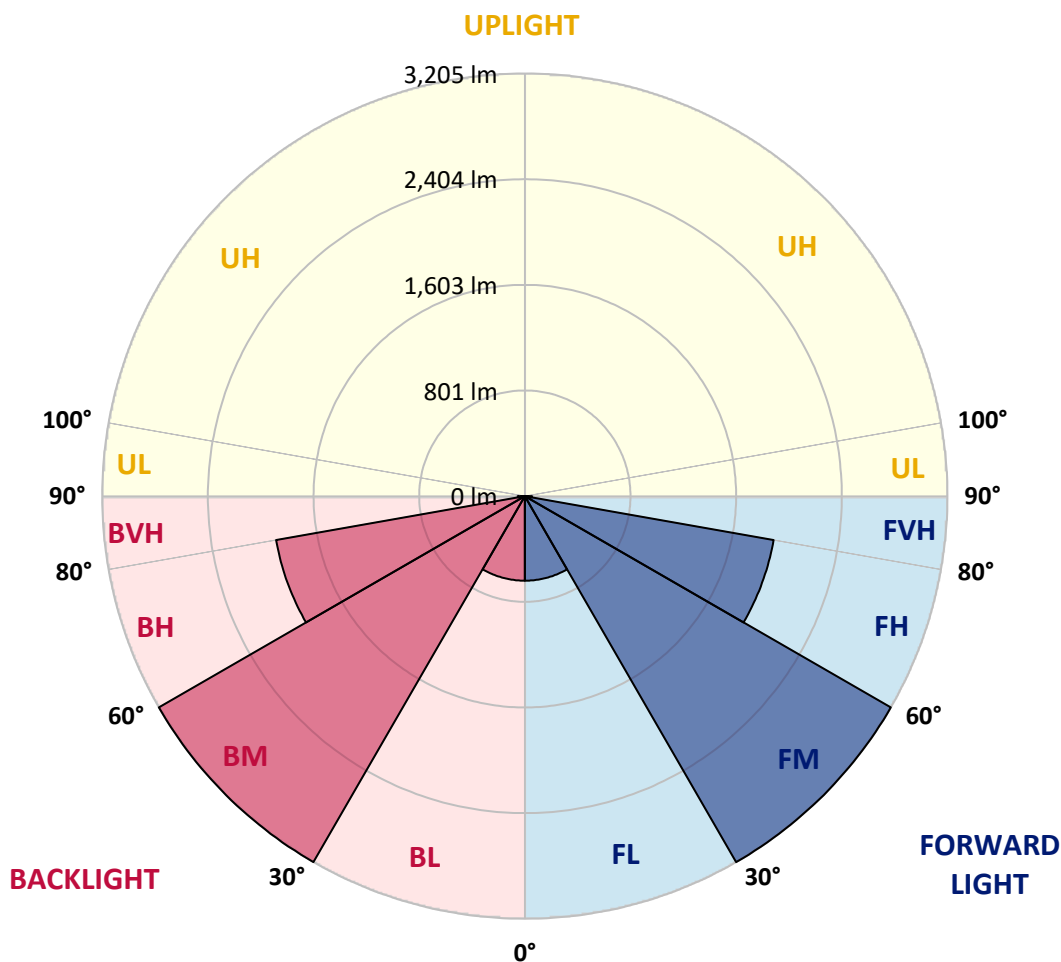
CATALOG NUMBER: CCP-SA-2E-727-U-RW

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	641.1	5.5			
FM (30°-60°)	3205.1	27.6			
FH (60°-80°)	1915.8	16.5			G2/5000
FVH (80°-90°)	54.0	0.5			G1/100
BL (0°-30°)	641.1	5.5	B2/1000		
BM (30°-60°)	3205.1	27.6	B3/5000		
BH (60°-80°)	1915.8	16.5	B3/2500		G3/2500
BVH (80°-90°)	54.0	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





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	1183.4	1183.4	1183.4	1183.4	1183.4	1183.4	1183.4	1183.4	1183.4	1183.4	1183.4
2.5°	1175.8	1175.8	1179.2	1183.4	1185.0	1188.4	1189.2	1189.2	1194.2	1193.4	1194.2
5°	1172.5	1172.5	1178.4	1185.9	1194.2	1204.3	1214.3	1220.2	1232.7	1235.2	1236.1
7.5°	1175.8	1176.7	1185.0	1197.6	1211.8	1230.2	1249.4	1265.3	1286.2	1293.8	1298.8
10°	1188.4	1189.2	1200.1	1217.7	1239.4	1266.2	1293.8	1318.9	1352.3	1367.4	1369.9
12.5°	1207.6	1208.5	1224.3	1252.8	1283.7	1317.2	1348.1	1379.9	1421.7	1444.3	1449.3
15°	1236.9	1234.4	1259.5	1301.3	1344.8	1386.6	1414.2	1445.1	1489.5	1518.7	1526.3
17.5°	1277.0	1278.7	1309.7	1363.2	1416.7	1459.3	1486.9	1504.5	1543.0	1573.1	1580.6
20°	1327.2	1334.7	1374.0	1435.9	1498.7	1543.8	1563.1	1560.5	1582.3	1608.2	1614.1
22.5°	1398.3	1403.3	1451.0	1520.4	1592.3	1639.2	1646.7	1619.1	1618.2	1635.0	1642.5
25°	1481.9	1486.1	1536.3	1616.6	1692.7	1742.0	1734.5	1686.8	1661.7	1662.6	1667.6
27.5°	1579.8	1588.1	1640.0	1721.9	1800.6	1845.7	1834.8	1765.4	1716.1	1701.0	1697.7
30°	1706.9	1716.1	1768.8	1847.4	1916.8	1956.9	1940.2	1852.4	1778.8	1753.7	1748.7
32.5°	1872.5	1871.6	1926.0	2002.1	2050.6	2076.5	2043.9	1944.4	1851.6	1818.1	1811.4
35°	2043.1	2051.5	2105.0	2178.6	2215.4	2217.0	2165.2	2053.1	1942.7	1885.0	1872.5
37.5°	2235.4	2239.6	2301.5	2370.9	2395.2	2381.8	2304.9	2180.2	2053.1	1992.1	1970.3
40°	2432.8	2437.0	2508.9	2575.8	2602.6	2570.8	2469.6	2320.7	2183.6	2116.7	2104.1
42.5°	2616.0	2626.8	2707.1	2785.7	2811.7	2774.9	2652.8	2474.6	2321.6	2257.2	2240.5
45°	2768.2	2779.9	2870.2	2970.5	3016.5	2986.4	2848.4	2647.7	2480.5	2411.1	2382.6
47.5°	2882.7	2897.8	2994.0	3114.4	3203.9	3198.0	3056.7	2830.9	2651.1	2569.1	2543.2
50°	2961.3	2977.2	3080.9	3210.6	3345.2	3390.4	3268.3	3033.3	2840.9	2748.9	2731.4
52.5°	2967.2	2981.4	3100.2	3261.6	3441.4	3540.9	3476.5	3246.5	3050.0	2954.7	2942.1
55°	2836.7	2846.8	3004.8	3219.8	3480.7	3656.3	3666.4	3479.0	3273.3	3177.1	3171.3
57.5°	2537.3	2551.6	2740.6	3024.9	3415.5	3730.7	3831.1	3722.4	3525.9	3435.5	3430.5
60°	2049.8	2068.2	2283.9	2662.0	3179.6	3711.5	3970.8	3950.7	3801.8	3714.0	3710.7
62.5°	1446.0	1452.7	1677.6	2094.1	2718.0	3507.5	4038.5	4173.2	4087.8	3999.2	4004.2
65°	849.7	858.9	1023.6	1398.3	2061.5	3038.3	3921.4	4327.9	4317.0	4235.9	4244.2
67.5°	449.1	449.1	531.9	764.4	1296.3	2274.7	3455.6	4242.6	4384.7	4313.7	4317.8
70°	310.3	309.4	324.5	383.9	626.4	1410.0	2585.0	3796.0	4246.7	4220.0	4230.9
72.5°	262.6	260.9	261.8	270.1	318.6	637.3	1569.7	2923.7	3785.9	3826.9	3836.1
75°	230.0	227.5	225.8	224.1	228.3	289.4	715.9	1803.9	2806.6	3064.2	3059.2
77.5°	198.2	196.5	194.9	189.0	182.3	189.8	292.7	811.2	1443.5	1703.5	1685.2
80°	163.1	163.1	165.6	157.2	144.7	139.7	174.8	302.7	479.2	500.1	460.0
82.5°	128.0	128.0	140.5	128.8	113.7	101.2	121.3	161.4	194.9	158.1	128.8
85°	90.3	91.2	117.1	107.0	87.8	58.5	75.3	96.2	109.6	69.4	54.4
87.5°	36.8	39.3	72.8	57.7	55.2	29.3	35.1	42.7	54.4	29.3	23.4
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)