

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: P672873

Luminaire Tested: **CCP-SA-2E-827-U-RW**

Issue Date: 04/16/2023



Test Information

Test Method: LM-79-08
Report Number: P672873
Test Lab: INNOVATION CENTER(G2)
Issue Date: 04/16/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCP-SA-2E-827-U-RW
Description: INVUE CLEAR CURVE POLE MOUNT LIGHT SQUARE LUMINAIRE @1050mA w/ RW distribution lens
Light Source: (32) 2700K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

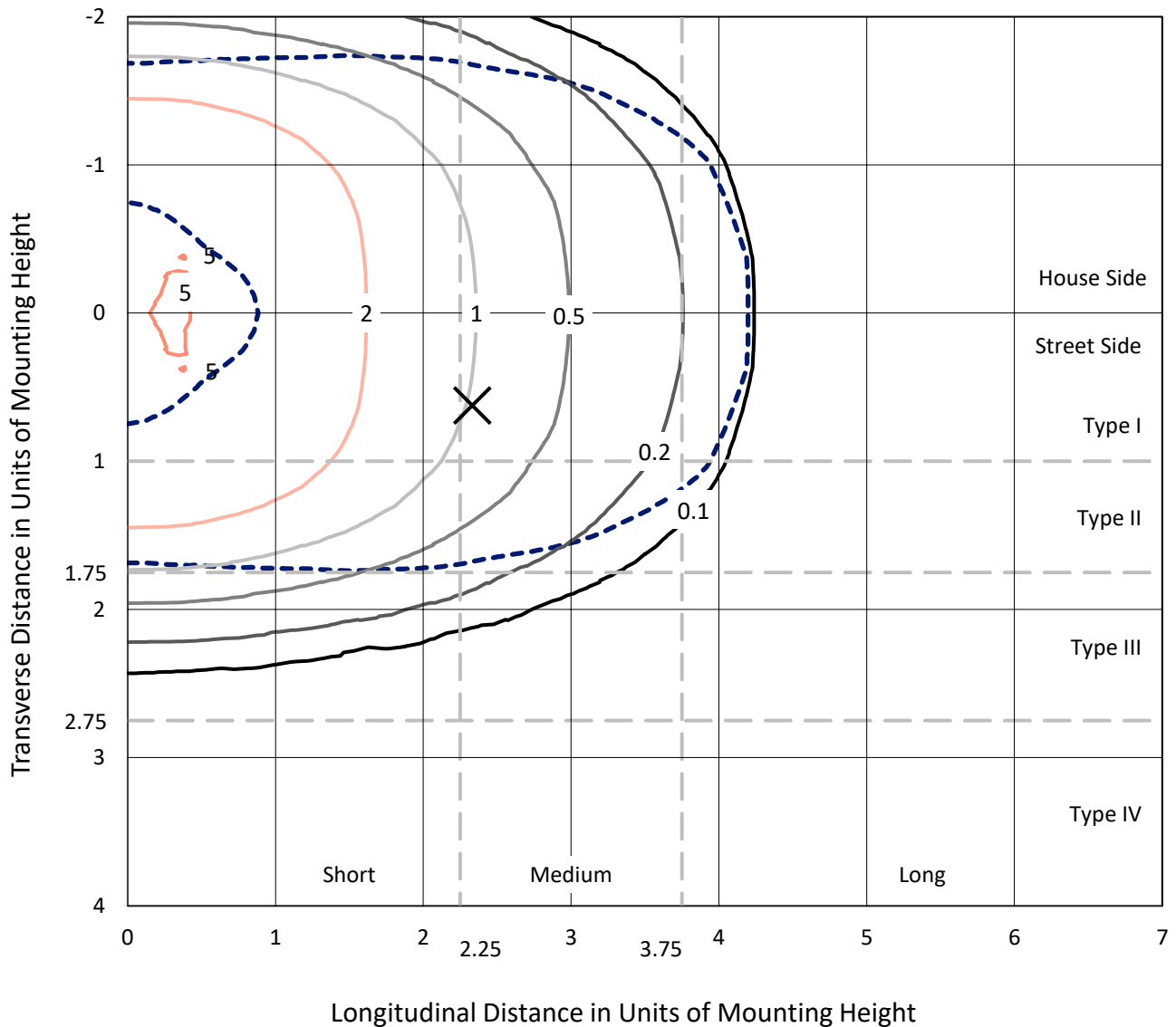
Lumens per Lamp: N/A
Luminaire Lumens: 10224.3 lumens
Efficiency: N/A
Efficacy: 95.9 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B3 - U0 - G3

Input Watts (W): 106.6
Input Voltage (V): 120
Input Current (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

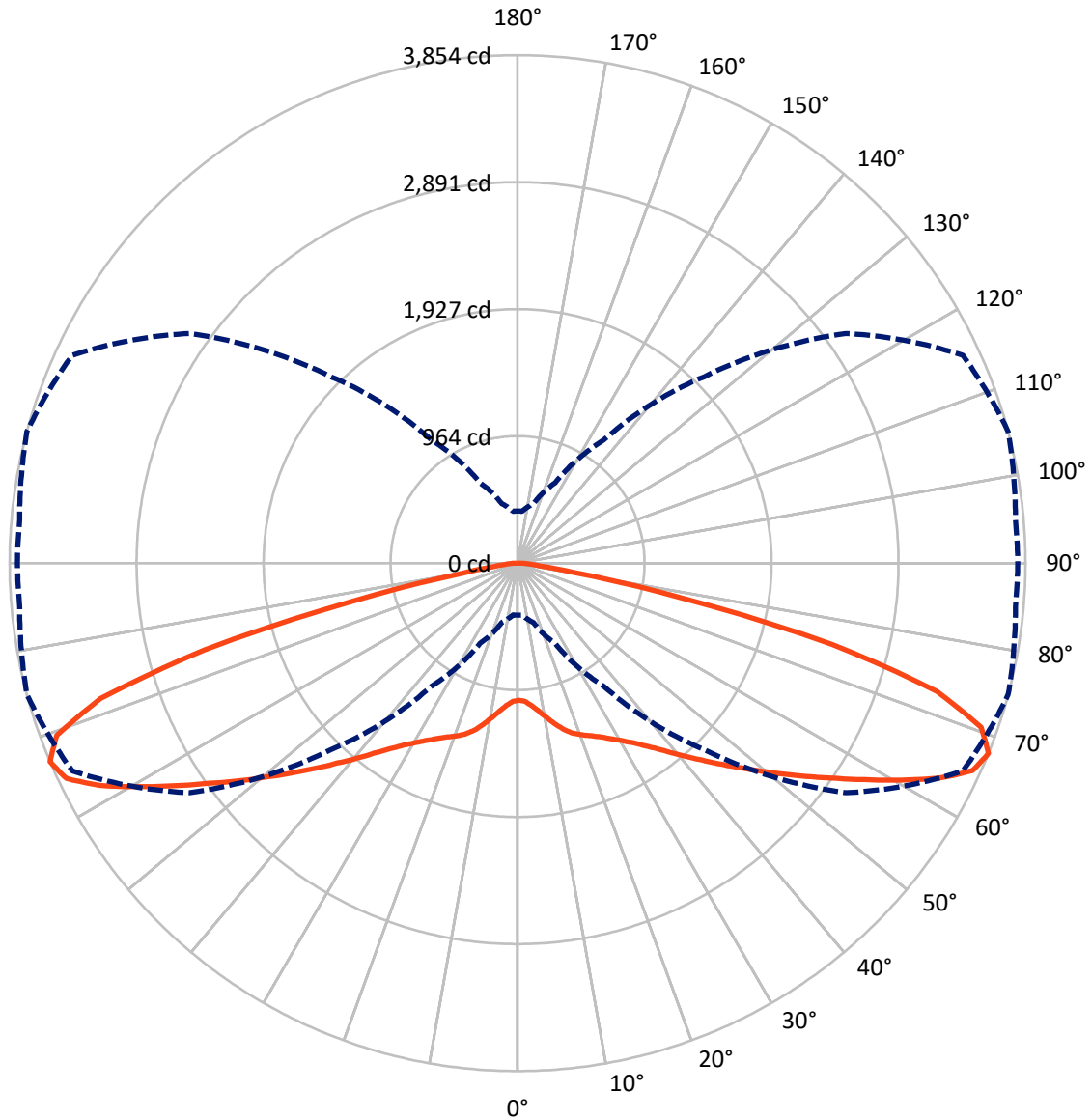
× Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 5.3 fc
 Type II - Medium - N/A

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Luminous Intensity Polar Plot



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

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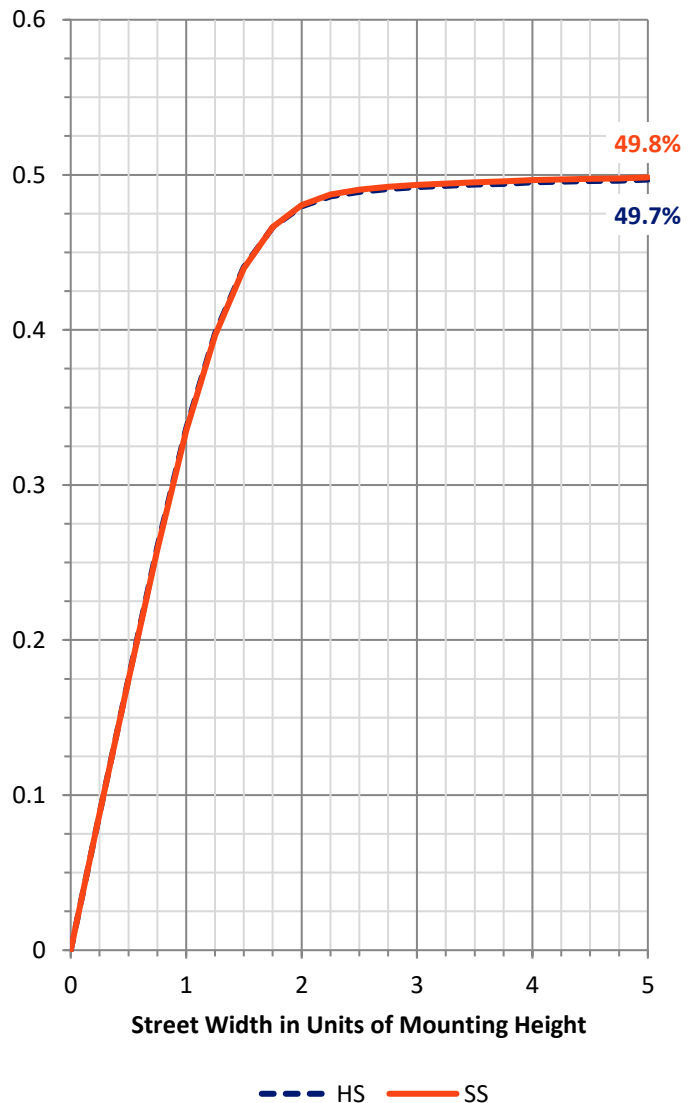
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	5112.2	0.0	5112.2
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	5112.2	0.0	5112.2
	% Fixture	50.0	0.0	50.0
Total	Lumens	10224.3	0.0	10224.3
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	102.9	1.0
10°-20°	346.8	3.4
20°-30°	677.2	6.6
30°-40°	1168.3	11.4
40°-50°	1892.5	18.5
50°-60°	2573.8	25.2
60°-70°	2374.4	23.2
70°-80°	993.5	9.7
80°-90°	94.9	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°	10224.3	100.0
0°-180°	10224.3	100.0



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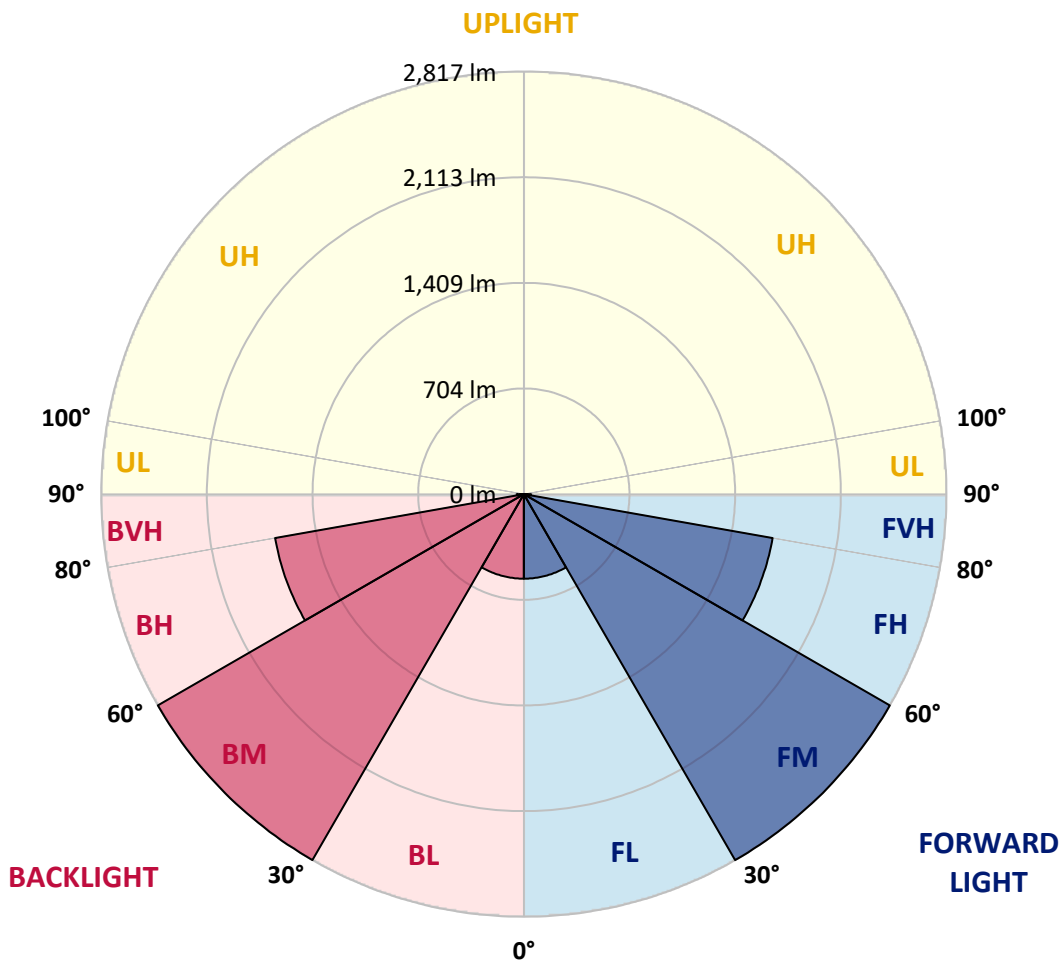
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	563.5	5.5			
FM (30°-60°)	2817.3	27.6			
FH (60°-80°)	1684.0	16.5			G1/1800
FVH (80°-90°)	47.4	0.5			G1/100
BL (0°-30°)	563.5	5.5	B2/1000		
BM (30°-60°)	2817.3	27.6	B3/5000		
BH (60°-80°)	1684.0	16.5	B3/2500		G3/2500
BVH (80°-90°)	47.4	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°	1040.2	1040.2	1040.2	1040.2	1040.2	1040.2	1040.2	1040.2	1040.2	1040.2	1040.2
2.5°	1033.6	1033.6	1036.5	1040.2	1041.6	1044.6	1045.3	1045.3	1049.7	1049.0	1049.7
5°	1030.6	1030.6	1035.8	1042.4	1049.7	1058.5	1067.4	1072.5	1083.5	1085.7	1086.5
7.5°	1033.6	1034.3	1041.6	1052.7	1065.2	1081.3	1098.2	1112.2	1130.6	1137.2	1141.6
10°	1044.6	1045.3	1054.9	1070.3	1089.4	1112.9	1137.2	1159.3	1188.7	1201.9	1204.1
12.5°	1061.5	1062.2	1076.2	1101.2	1128.4	1157.8	1185.0	1212.9	1249.7	1269.5	1273.9
15°	1087.2	1085.0	1107.1	1143.8	1182.0	1218.8	1243.1	1270.3	1309.2	1334.9	1341.6
17.5°	1122.5	1124.0	1151.2	1198.2	1245.3	1282.8	1307.0	1322.4	1356.3	1382.7	1389.3
20°	1166.6	1173.2	1207.8	1262.2	1317.3	1357.0	1373.9	1371.7	1390.8	1413.6	1418.7
22.5°	1229.1	1233.5	1275.4	1336.4	1399.6	1440.8	1447.4	1423.2	1422.4	1437.1	1443.7
25°	1302.6	1306.3	1350.4	1421.0	1487.8	1531.2	1524.6	1482.7	1460.6	1461.4	1465.8
27.5°	1388.6	1396.0	1441.5	1513.6	1582.7	1622.4	1612.8	1551.8	1508.4	1495.2	1492.3
30°	1500.3	1508.4	1554.7	1623.8	1684.9	1720.1	1705.4	1628.3	1563.6	1541.5	1537.1
32.5°	1645.9	1645.2	1692.9	1759.8	1802.5	1825.3	1796.6	1709.1	1627.5	1598.1	1592.2
35°	1795.9	1803.2	1850.3	1914.9	1947.3	1948.8	1903.2	1804.7	1707.6	1656.9	1645.9
37.5°	1964.9	1968.6	2023.0	2084.0	2105.3	2093.6	2025.9	1916.4	1804.7	1751.0	1731.9
40°	2138.4	2142.1	2205.3	2264.1	2287.6	2259.7	2170.8	2039.9	1919.4	1860.5	1849.5
42.5°	2299.4	2309.0	2379.5	2448.6	2471.4	2439.1	2331.7	2175.2	2040.6	1984.0	1969.3
45°	2433.2	2443.5	2522.9	2611.1	2651.5	2625.1	2503.8	2327.3	2180.3	2119.3	2094.3
47.5°	2533.9	2547.1	2631.7	2737.5	2816.2	2811.0	2686.8	2488.3	2330.3	2258.2	2235.4
50°	2603.0	2617.0	2708.1	2822.1	2940.4	2980.1	2872.8	2666.2	2497.1	2416.3	2400.8
52.5°	2608.1	2620.6	2725.0	2866.9	3024.9	3112.4	3055.8	2853.7	2680.9	2597.1	2586.1
55°	2493.5	2502.3	2641.2	2830.1	3059.5	3213.9	3222.7	3058.0	2877.2	2792.7	2787.5
57.5°	2230.3	2242.8	2408.9	2658.9	3002.2	3279.3	3367.5	3271.9	3099.2	3019.8	3015.4
60°	1801.7	1817.9	2007.6	2339.8	2794.9	3262.4	3490.3	3472.6	3341.8	3264.6	3261.7
62.5°	1271.0	1276.9	1474.6	1840.7	2389.1	3083.0	3549.8	3668.2	3593.2	3515.3	3519.7
65°	746.9	755.0	899.8	1229.1	1812.0	2670.6	3446.9	3804.2	3794.6	3723.3	3730.6
67.5°	394.8	394.8	467.5	671.9	1139.4	1999.5	3037.4	3729.2	3854.1	3791.7	3795.3
70°	272.7	272.0	285.2	337.4	550.6	1239.4	2272.2	3336.6	3732.9	3709.3	3718.9
72.5°	230.8	229.4	230.1	237.4	280.1	560.1	1379.8	2569.9	3327.8	3363.8	3371.9
75°	202.2	199.9	198.5	197.0	200.7	254.3	629.2	1585.6	2467.0	2693.4	2689.0
77.5°	174.2	172.7	171.3	166.1	160.3	166.9	257.3	713.0	1268.8	1497.4	1481.2
80°	143.3	143.3	145.6	138.2	127.2	122.8	153.6	266.1	421.2	439.6	404.3
82.5°	112.5	112.5	123.5	113.2	100.0	88.9	106.6	141.9	171.3	138.9	113.2
85°	79.4	80.1	102.9	94.1	77.2	51.5	66.2	84.5	96.3	61.0	47.8
87.5°	32.3	34.5	64.0	50.7	48.5	25.7	30.9	37.5	47.8	25.7	20.6
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)