

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: P672872

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

Issue Date: 04/16/2023



Test Information

Test Method: LM-79-08
Report Number: P672872
Test Lab: INNOVATION CENTER(G2)
Issue Date: 04/16/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCP-SA-2D-827-U-RW
Description: INVUE CLEAR CURVE POLE MOUNT LIGHT SQUARE LUMINAIRE @800mA w/ RW distribution lens
Light Source: (32) 2700K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

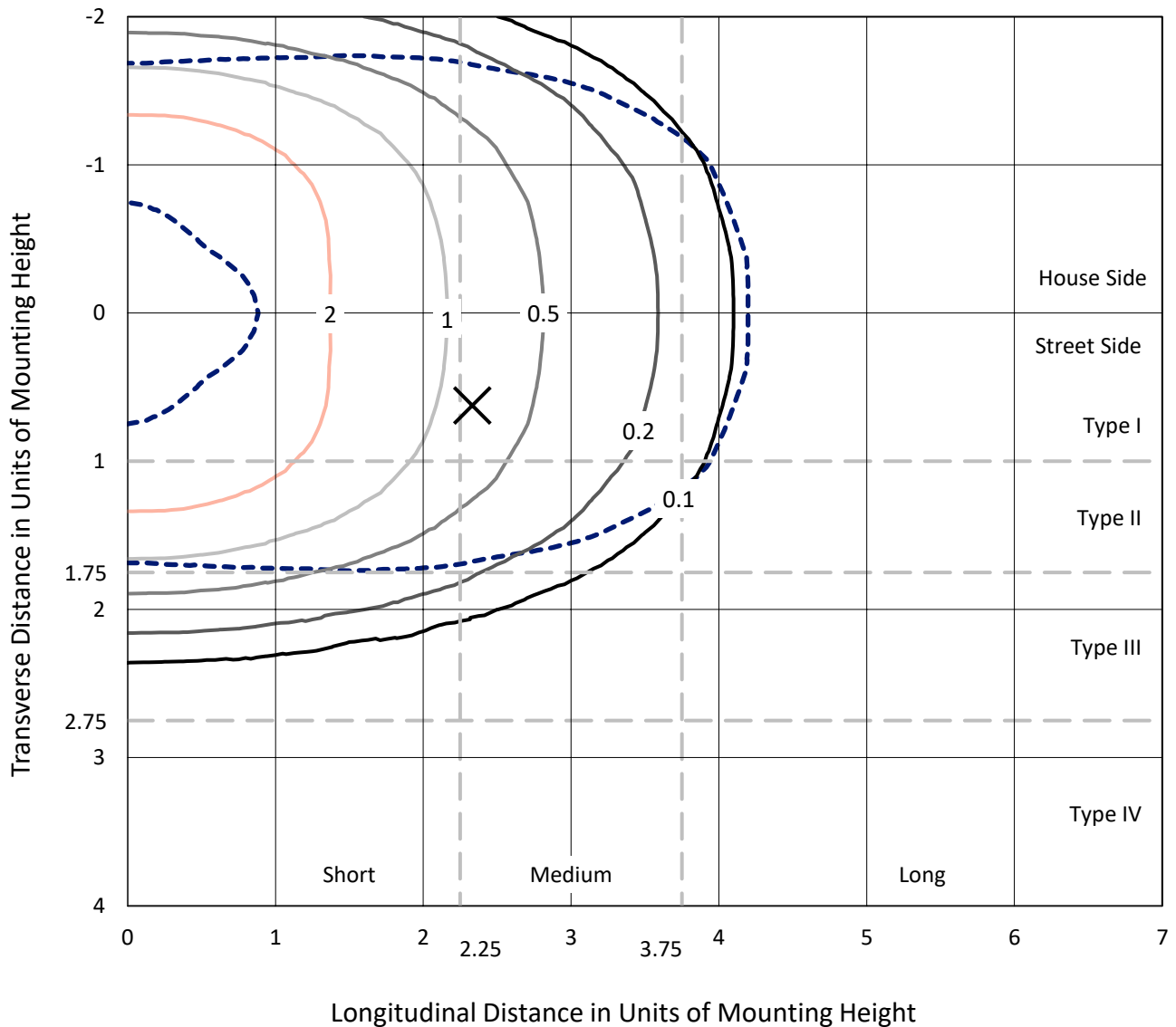
Lumens per Lamp: N/A
Luminaire Lumens: 8339.7 lumens
Efficiency: N/A
Efficacy: 103.2 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B3 - U0 - G3

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

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Iso-Footcandle Lines of Horizontal Illumination

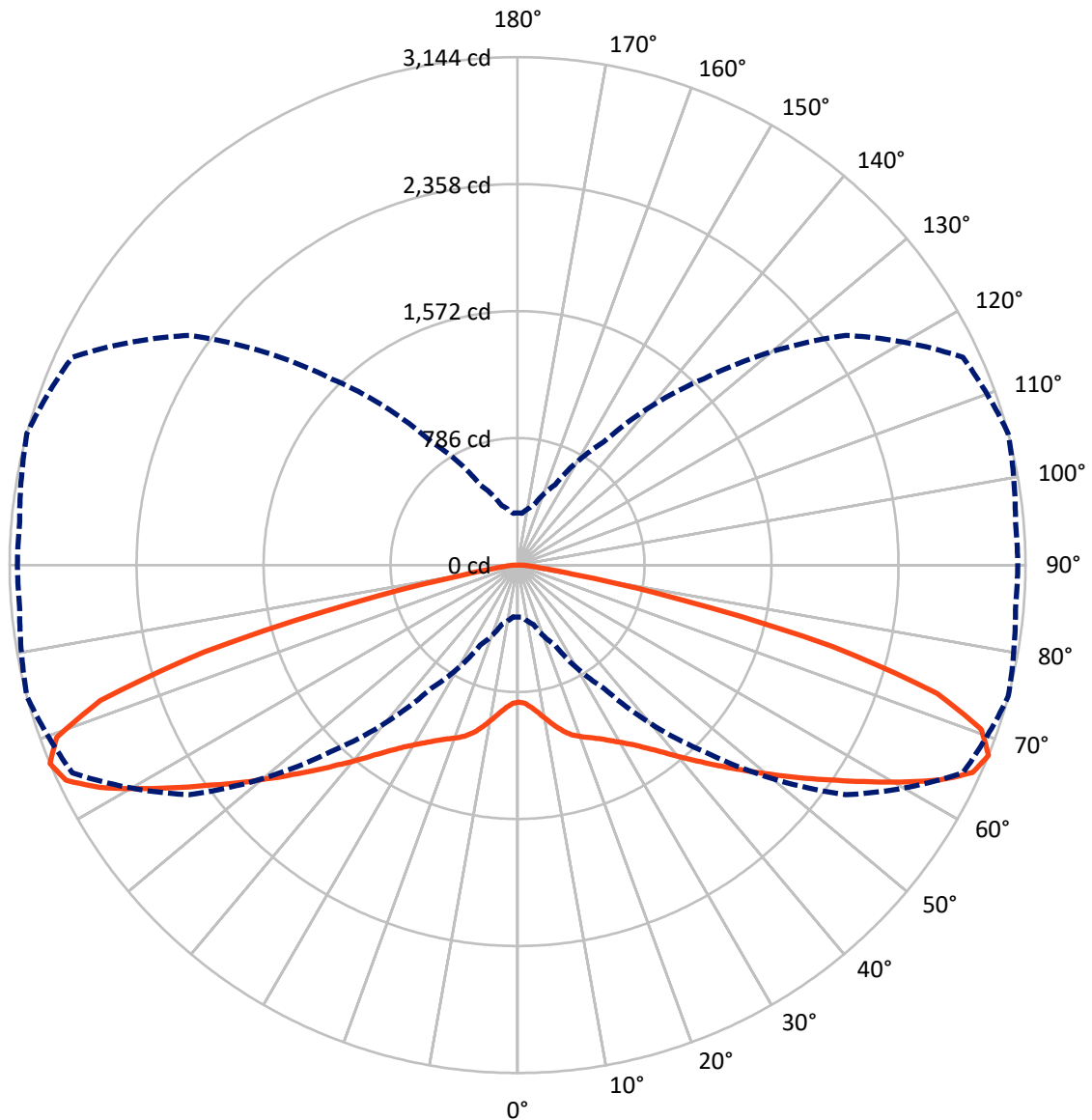
× Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 4.4 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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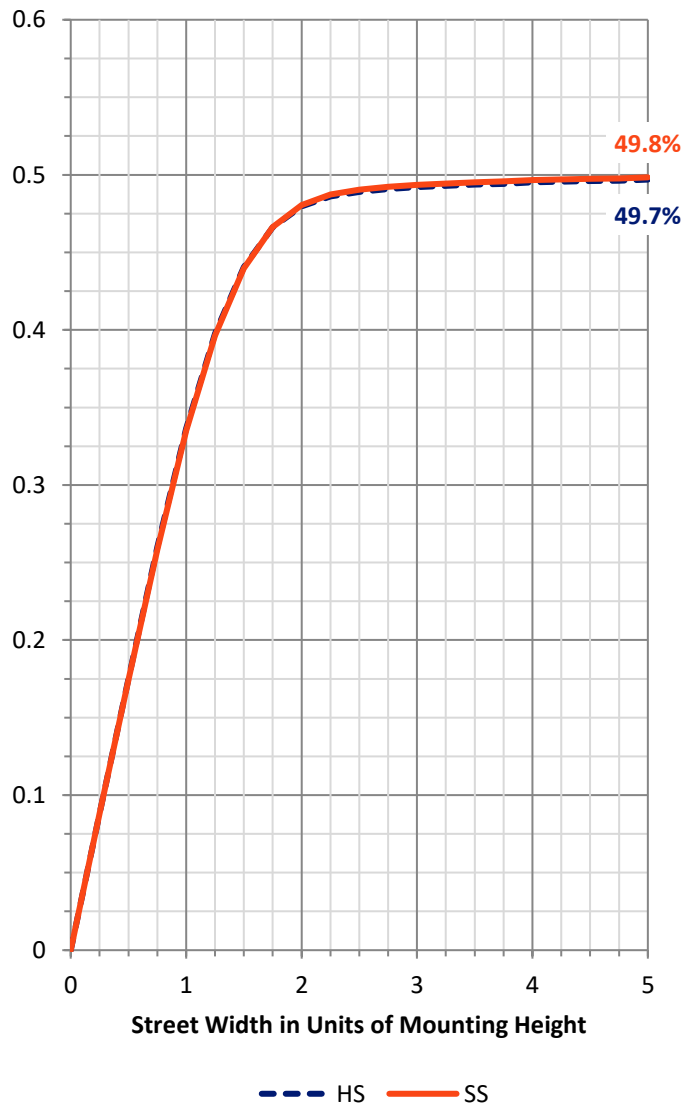
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4169.9	0.0	4169.9
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	4169.9	0.0	4169.9
	% Fixture	50.0	0.0	50.0
Total	Lumens	8339.7	0.0	8339.7
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	84.0	1.0
10°-20°	282.9	3.4
20°-30°	552.4	6.6
30°-40°	953.0	11.4
40°-50°	1543.6	18.5
50°-60°	2099.4	25.2
60°-70°	1936.7	23.2
70°-80°	810.4	9.7
80°-90°	77.4	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°	8339.7	100.0
0°-180°	8339.7	100.0



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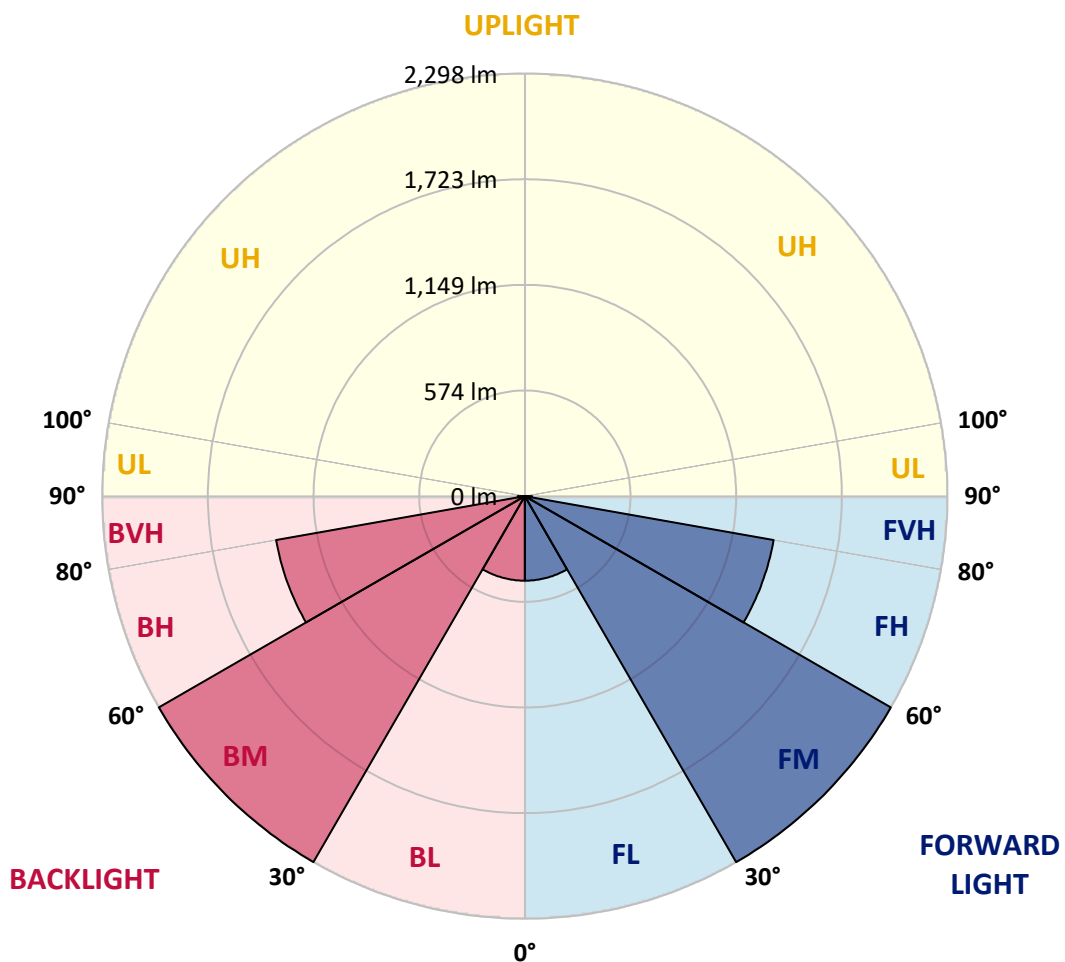
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	459.6	5.5			
FM (30°-60°)	2298.0	27.6			
FH (60°-80°)	1373.6	16.5			G1/1800
FVH (80°-90°)	38.7	0.5			G1/100
BL (0°-30°)	459.6	5.5	B1/500		
BM (30°-60°)	2298.0	27.6	B2/2500		
BH (60°-80°)	1373.6	16.5	B3/2500		G3/2500
BVH (80°-90°)	38.7	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°	848.4	848.4	848.4	848.4	848.4	848.4	848.4	848.4	848.4	848.4	848.4
2.5°	843.0	843.0	845.4	848.4	849.6	852.0	852.6	852.6	856.2	855.6	856.2
5°	840.6	840.6	844.8	850.2	856.2	863.4	870.6	874.8	883.8	885.6	886.2
7.5°	843.0	843.6	849.6	858.6	868.8	882.0	895.8	907.2	922.2	927.6	931.2
10°	852.0	852.6	860.4	873.0	888.6	907.8	927.6	945.6	969.6	980.4	982.2
12.5°	865.8	866.4	877.8	898.2	920.4	944.4	966.6	989.3	1019.3	1035.5	1039.1
15°	886.8	885.0	903.0	933.0	964.2	994.1	1013.9	1036.1	1067.9	1088.9	1094.3
17.5°	915.6	916.8	939.0	977.4	1015.7	1046.3	1066.1	1078.7	1106.3	1127.9	1133.3
20°	951.6	957.0	985.2	1029.5	1074.5	1106.9	1120.7	1118.9	1134.5	1153.0	1157.2
22.5°	1002.5	1006.1	1040.3	1090.1	1141.6	1175.2	1180.6	1160.8	1160.2	1172.2	1177.6
25°	1062.5	1065.5	1101.5	1159.0	1213.6	1249.0	1243.6	1209.4	1191.4	1192.0	1195.6
27.5°	1132.7	1138.7	1175.8	1234.6	1291.0	1323.3	1315.5	1265.8	1230.4	1219.6	1217.2
30°	1223.8	1230.4	1268.2	1324.5	1374.3	1403.1	1391.1	1328.1	1275.4	1257.4	1253.8
32.5°	1342.5	1341.9	1380.9	1435.5	1470.2	1488.8	1465.4	1394.1	1327.5	1303.5	1298.7
35°	1464.8	1470.8	1509.2	1562.0	1588.4	1589.6	1552.4	1472.0	1392.9	1351.5	1342.5
37.5°	1602.7	1605.7	1650.1	1699.9	1717.3	1707.7	1652.5	1563.2	1472.0	1428.3	1412.7
40°	1744.3	1747.3	1798.8	1846.8	1866.0	1843.2	1770.6	1663.9	1565.6	1517.6	1508.6
42.5°	1875.6	1883.4	1940.9	1997.3	2015.9	1989.5	1901.9	1774.2	1664.5	1618.3	1606.3
45°	1984.7	1993.1	2057.8	2129.8	2162.8	2141.2	2042.3	1898.4	1778.4	1728.7	1708.3
47.5°	2066.8	2077.6	2146.6	2232.9	2297.1	2292.9	2191.6	2029.7	1900.7	1842.0	1823.4
50°	2123.2	2134.6	2208.9	2301.9	2398.4	2430.8	2343.3	2174.8	2036.9	1970.9	1958.3
52.5°	2127.4	2137.6	2222.7	2338.5	2467.4	2538.7	2492.6	2327.7	2186.8	2118.4	2109.4
55°	2033.9	2041.1	2154.4	2308.5	2495.6	2621.5	2628.7	2494.4	2346.9	2277.9	2273.7
57.5°	1819.2	1829.4	1964.9	2168.8	2448.8	2674.8	2746.8	2668.8	2527.9	2463.2	2459.6
60°	1469.6	1482.8	1637.5	1908.5	2279.7	2661.0	2846.9	2832.5	2725.8	2662.8	2660.4
62.5°	1036.7	1041.5	1202.8	1501.4	1948.7	2514.7	2895.5	2992.0	2930.9	2867.3	2870.9
65°	609.2	615.8	733.9	1002.5	1478.0	2178.4	2811.5	3103.0	3095.2	3037.0	3043.0
67.5°	322.0	322.0	381.3	548.0	929.4	1630.9	2477.6	3041.8	3143.7	3092.8	3095.8
70°	222.5	221.9	232.6	275.2	449.1	1010.9	1853.4	2721.6	3044.8	3025.6	3033.4
72.5°	188.3	187.1	187.7	193.7	228.4	456.9	1125.5	2096.2	2714.4	2743.8	2750.4
75°	164.9	163.1	161.9	160.7	163.7	207.5	513.3	1293.3	2012.3	2197.0	2193.4
77.5°	142.1	140.9	139.7	135.5	130.7	136.1	209.9	581.6	1034.9	1221.4	1208.2
80°	116.9	116.9	118.7	112.7	103.7	100.1	125.3	217.1	343.6	358.6	329.8
82.5°	91.7	91.7	100.7	92.3	81.5	72.6	86.9	115.7	139.7	113.3	92.3
85°	64.8	65.4	83.9	76.7	63.0	42.0	54.0	69.0	78.5	49.8	39.0
87.5°	26.4	28.2	52.2	41.4	39.6	21.0	25.2	30.6	39.0	21.0	16.8
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)