

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: P672628

Luminaire Tested: **CCP-SA-2D-850-U-5MQ**

Issue Date: 04/16/2023



Test Information

Test Method: LM-79-08
Report Number: P672628
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-5MQ
Description: INVUE CLEAR CURVE POLE MOUNT LIGHT SQUARE LUMINAIRE @800mA w/ 5MQ
distribution lens
Light Source: (32) 5000K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

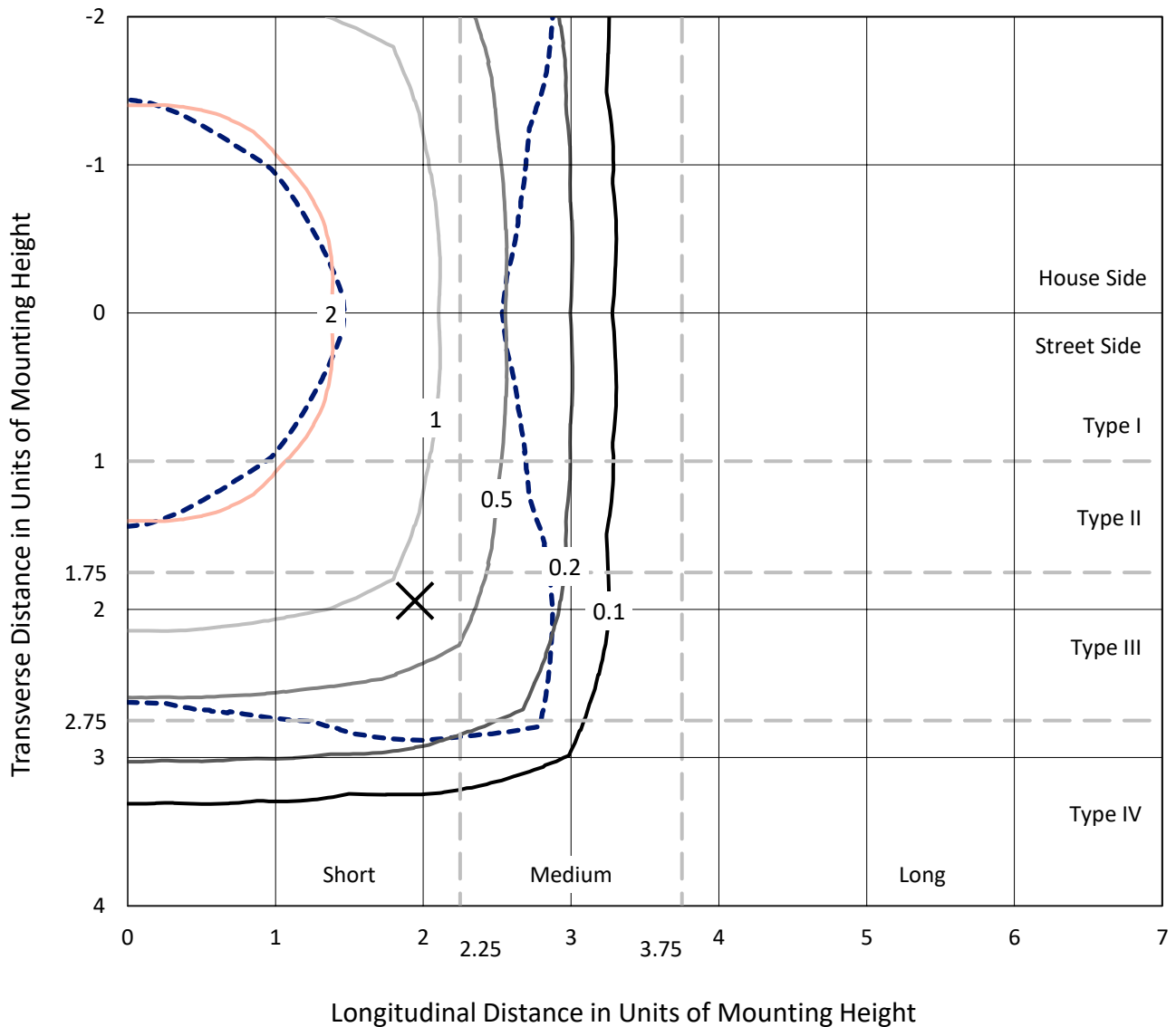
Lumens per Lamp: N/A
Luminaire Lumens: 10045.7 lumens
Efficiency: N/A
Efficacy: 124.3 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B3 - U0 - G2

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

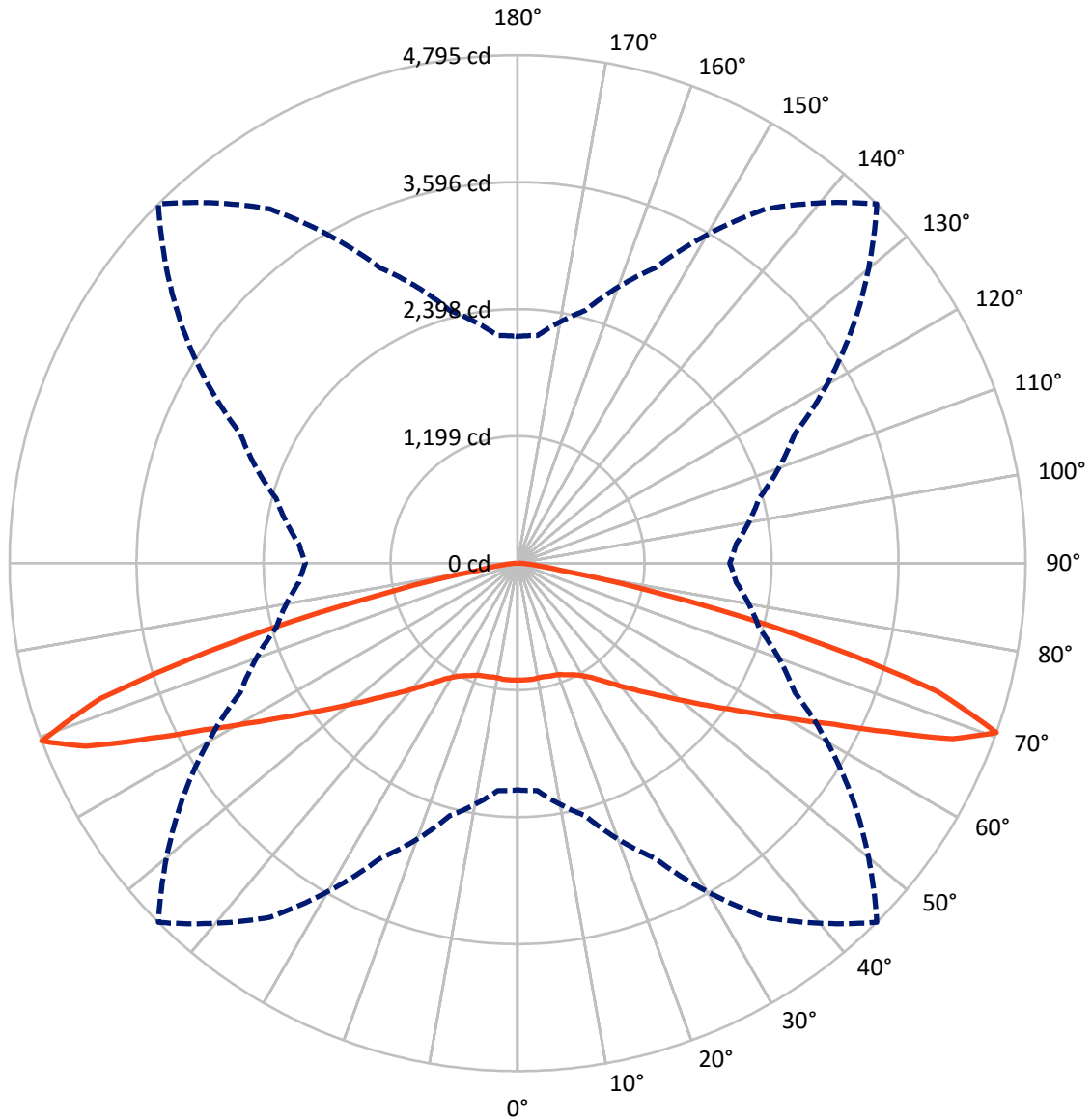
× Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 4.9 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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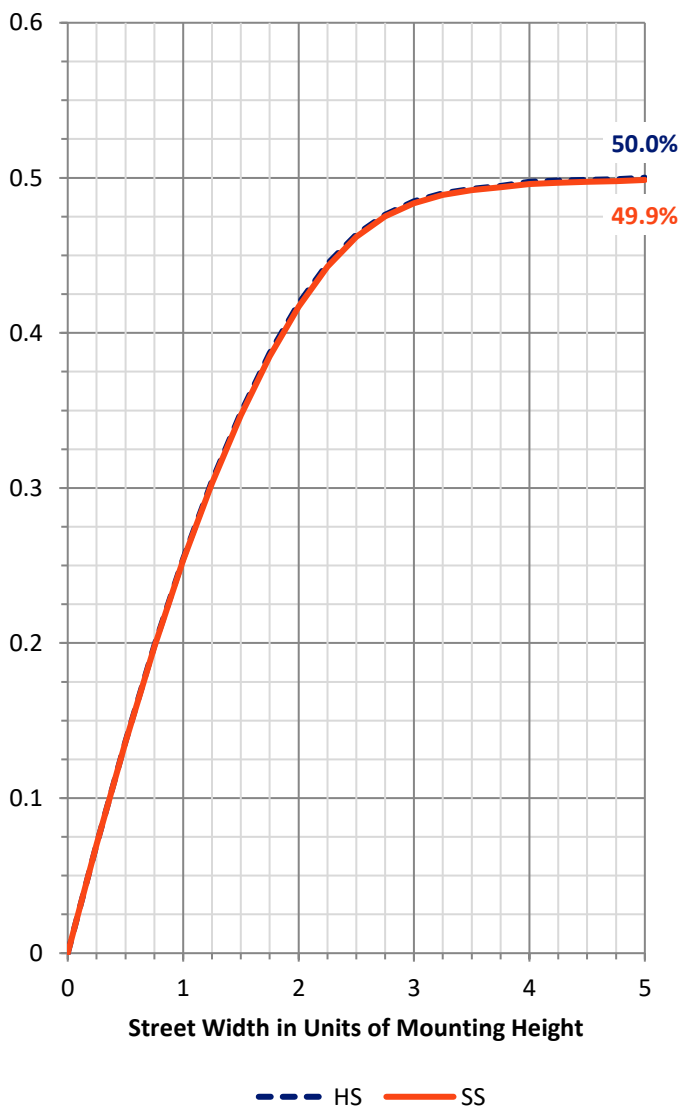
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	5022.9	0.0	5022.9
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	5022.9	0.0	5022.9
	% Fixture	50.0	0.0	50.0
Total	Lumens	10045.7	0.0	10045.7
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	105.1	1.0
10°-20°	311.0	3.1
20°-30°	531.1	5.3
30°-40°	847.5	8.4
40°-50°	1367.6	13.6
50°-60°	2190.0	21.8
60°-70°	3206.0	31.9
70°-80°	1410.0	14.0
80°-90°	77.3	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°	10045.7	100.0
0°-180°	10045.7	100.0



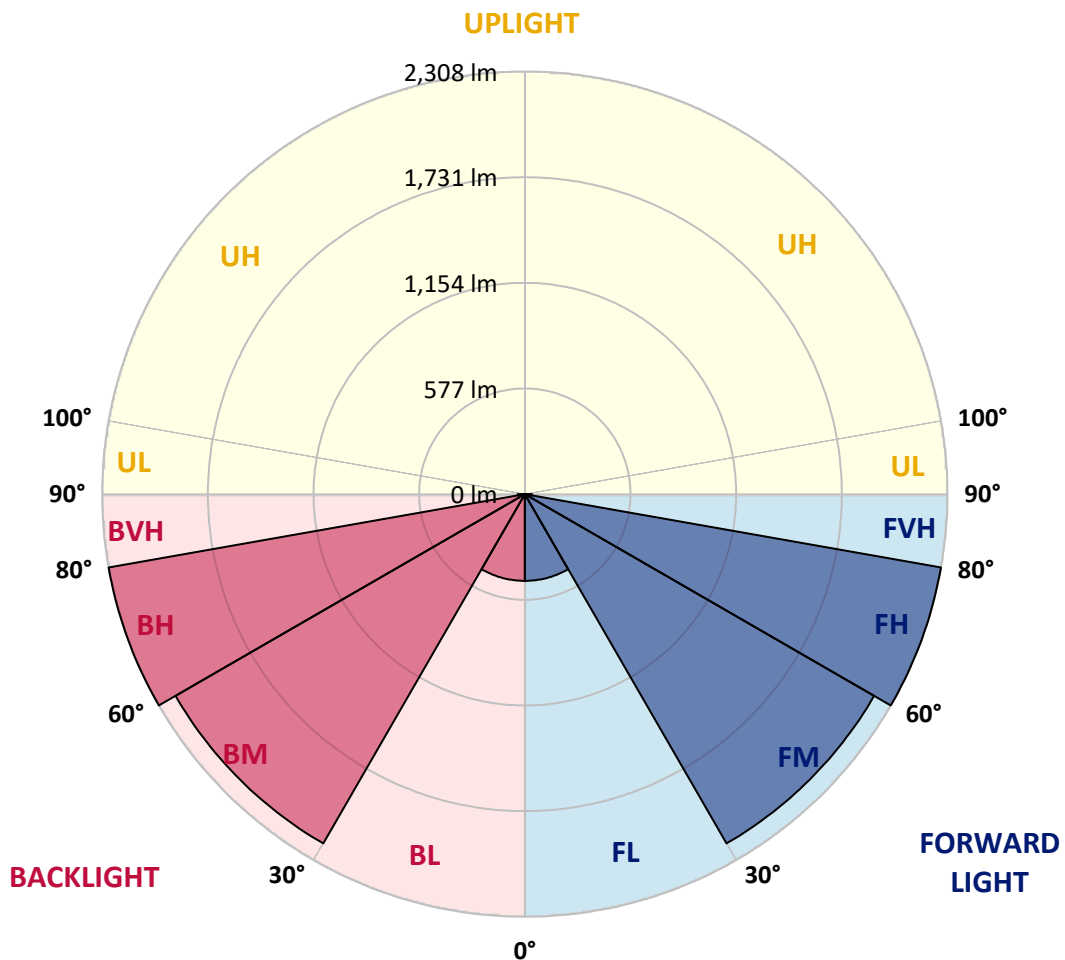
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	473.6	4.7			
FM (30°-60°)	2202.6	21.9			
FH (60°-80°)	2308.0	23.0			G2/5000
FVH (80°-90°)	38.6	0.4			G1/100
BL (0°-30°)	473.6	4.7	B1/500		
BM (30°-60°)	2202.6	21.9	B2/2500		
BH (60°-80°)	2308.0	23.0	B3/2500		G2/5000
BVH (80°-90°)	38.6	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°	1104.7	1104.7	1104.7	1104.7	1104.7	1104.7	1104.7	1104.7	1104.7	1104.7	1104.7
2.5°	1103.3	1102.6	1104.0	1104.7	1103.3	1104.0	1099.7	1099.7	1101.9	1099.7	1102.6
5°	1108.3	1106.8	1108.3	1108.3	1104.7	1104.7	1099.7	1098.3	1099.7	1096.2	1099.0
7.5°	1109.0	1106.1	1108.3	1107.5	1104.7	1104.7	1097.6	1094.7	1095.4	1091.9	1094.0
10°	1101.9	1100.4	1103.3	1101.9	1099.7	1099.7	1094.0	1089.8	1089.8	1086.2	1088.3
12.5°	1097.6	1096.2	1099.7	1100.4	1099.0	1099.7	1092.6	1086.9	1084.8	1080.5	1081.9
15°	1097.6	1094.7	1100.4	1101.9	1103.3	1108.3	1097.6	1087.6	1083.3	1077.7	1079.1
17.5°	1096.9	1095.4	1101.9	1106.8	1108.3	1114.0	1101.9	1091.2	1086.2	1077.7	1079.1
20°	1096.9	1096.2	1104.0	1113.2	1117.5	1122.5	1109.7	1099.7	1091.2	1081.9	1081.9
22.5°	1100.4	1099.7	1110.4	1123.9	1136.0	1144.6	1129.6	1113.2	1101.9	1089.8	1088.3
25°	1115.4	1114.0	1126.8	1143.1	1159.5	1168.0	1153.1	1136.7	1120.4	1106.8	1105.4
27.5°	1146.0	1145.3	1158.1	1178.0	1189.4	1195.8	1183.0	1168.8	1152.4	1136.7	1136.0
30°	1187.3	1187.3	1203.6	1224.3	1230.7	1235.7	1222.9	1212.9	1195.8	1178.7	1177.3
32.5°	1237.1	1239.9	1259.2	1281.9	1286.2	1289.1	1275.5	1269.1	1250.6	1232.1	1229.3
35°	1302.6	1303.3	1326.8	1349.6	1355.2	1358.1	1342.4	1336.7	1319.7	1299.7	1295.5
37.5°	1385.9	1383.7	1405.8	1431.4	1437.1	1440.7	1427.9	1423.6	1402.2	1382.3	1375.9
40°	1479.1	1480.5	1505.4	1529.6	1533.2	1534.6	1528.2	1521.8	1501.9	1479.1	1471.3
42.5°	1587.3	1587.3	1616.5	1644.9	1644.9	1637.8	1635.0	1633.6	1614.3	1588.7	1580.2
45°	1711.1	1712.6	1748.9	1770.2	1771.6	1752.4	1755.3	1763.8	1745.3	1712.6	1701.2
47.5°	1847.1	1849.2	1891.9	1915.4	1911.2	1886.2	1901.9	1906.2	1884.8	1842.8	1827.9
50°	1990.2	1996.6	2044.3	2085.5	2079.9	2043.6	2064.2	2065.6	2030.7	1982.3	1961.7
52.5°	2144.6	2159.6	2222.9	2267.1	2272.7	2227.2	2245.0	2243.6	2198.7	2132.5	2119.0
55°	2336.1	2344.6	2407.3	2469.9	2491.3	2435.0	2455.0	2445.0	2384.5	2309.0	2286.3
57.5°	2527.6	2540.4	2620.8	2691.3	2734.0	2686.3	2690.6	2664.9	2588.8	2497.7	2486.3
60°	2754.6	2760.3	2849.3	2941.1	3015.1	2986.7	2966.7	2913.4	2823.7	2732.6	2716.2
62.5°	2940.4	2951.8	3084.2	3219.4	3344.7	3349.7	3289.2	3209.5	3066.4	2914.1	2881.3
65°	2991.7	3010.2	3195.9	3462.9	3723.4	3839.4	3673.6	3430.1	3110.5	2880.6	2831.5
67.5°	2753.2	2788.8	3054.3	3497.7	4075.7	4423.8	3979.6	3325.5	2879.2	2610.8	2563.9
70°	2141.1	2156.7	2468.5	3077.1	4081.4	4795.3	3856.5	2887.7	2360.3	2072.0	2003.0
72.5°	1137.4	1145.3	1426.4	2072.0	3321.2	4142.6	3186.7	2020.8	1389.4	1127.5	1048.5
75°	367.3	377.2	491.1	848.5	1832.1	2783.8	1879.1	840.6	479.0	386.5	365.9
77.5°	187.2	186.5	207.1	273.3	616.4	1364.5	652.0	294.7	207.1	185.8	180.1
80°	116.7	114.6	130.3	149.5	215.7	398.6	234.2	165.1	131.0	112.5	111.8
82.5°	66.2	66.2	87.6	96.1	121.7	164.4	136.7	113.2	89.7	66.9	64.8
85°	37.0	32.7	54.8	60.5	69.8	81.1	83.3	73.3	60.5	37.0	38.4
87.5°	13.5	14.9	25.6	24.2	27.8	19.2	34.2	38.4	34.2	17.8	14.9
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)