

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: P672595

Luminaire Tested: **CCP-SA-2D-830-U-5MQ**

Issue Date: 04/16/2023



Test Information

Test Method: LM-79-08
Report Number: P672595
Test Lab: INNOVATION CENTER(G2)
Issue Date: 04/16/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCP-SA-2D-830-U-5MQ
Description: INVUE CLEAR CURVE POLE MOUNT LIGHT SQUARE LUMINAIRE @800mA w/ 5MQ
distribution lens
Light Source: (32) 3000K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

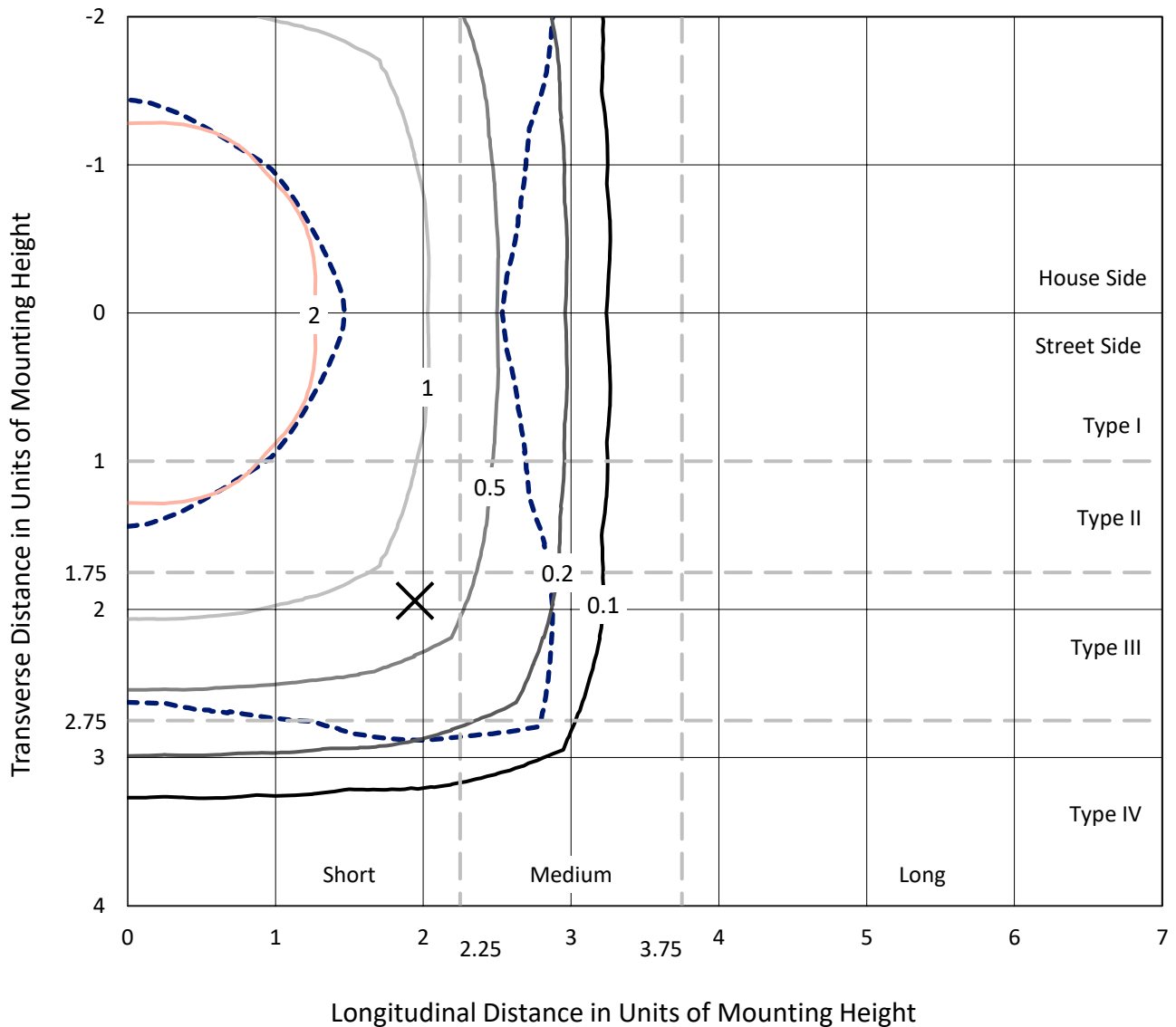
Lumens per Lamp: N/A
Luminaire Lumens: 9147.7 lumens
Efficiency: N/A
Efficacy: 113.2 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B3 - U0 - G2

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

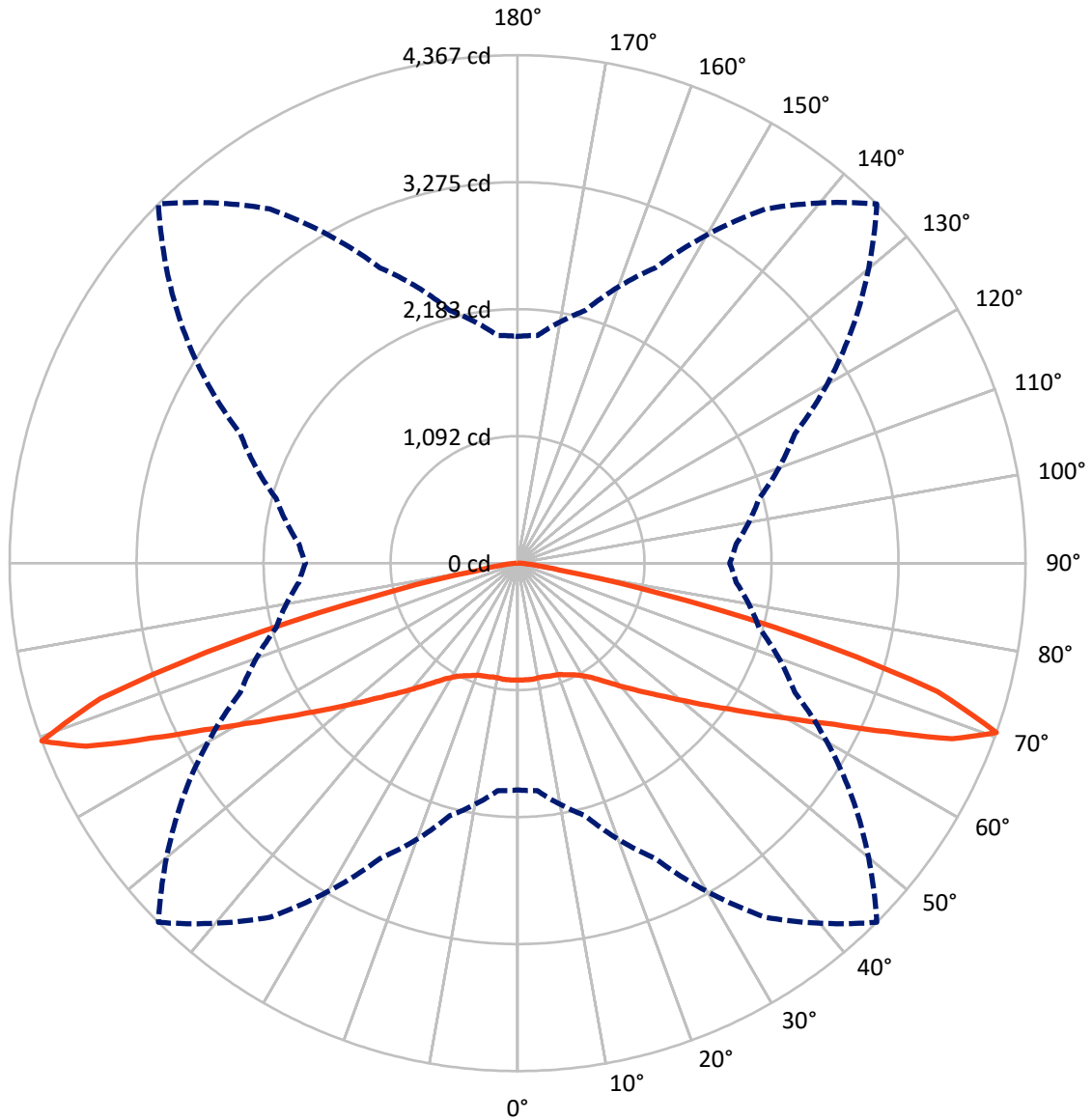
× Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 4.5 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	4573.9	0.0	4573.9
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	4573.9	0.0	4573.9
	% Fixture	50.0	0.0	50.0
Total	Lumens	9147.7	0.0	9147.7
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	95.7	1.0
10°-20°	283.2	3.1
20°-30°	483.6	5.3
30°-40°	771.8	8.4
40°-50°	1245.4	13.6
50°-60°	1994.2	21.8
60°-70°	2919.5	31.9
70°-80°	1284.0	14.0
80°-90°	70.4	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°	9147.7	100.0
0°-180°	9147.7	100.0



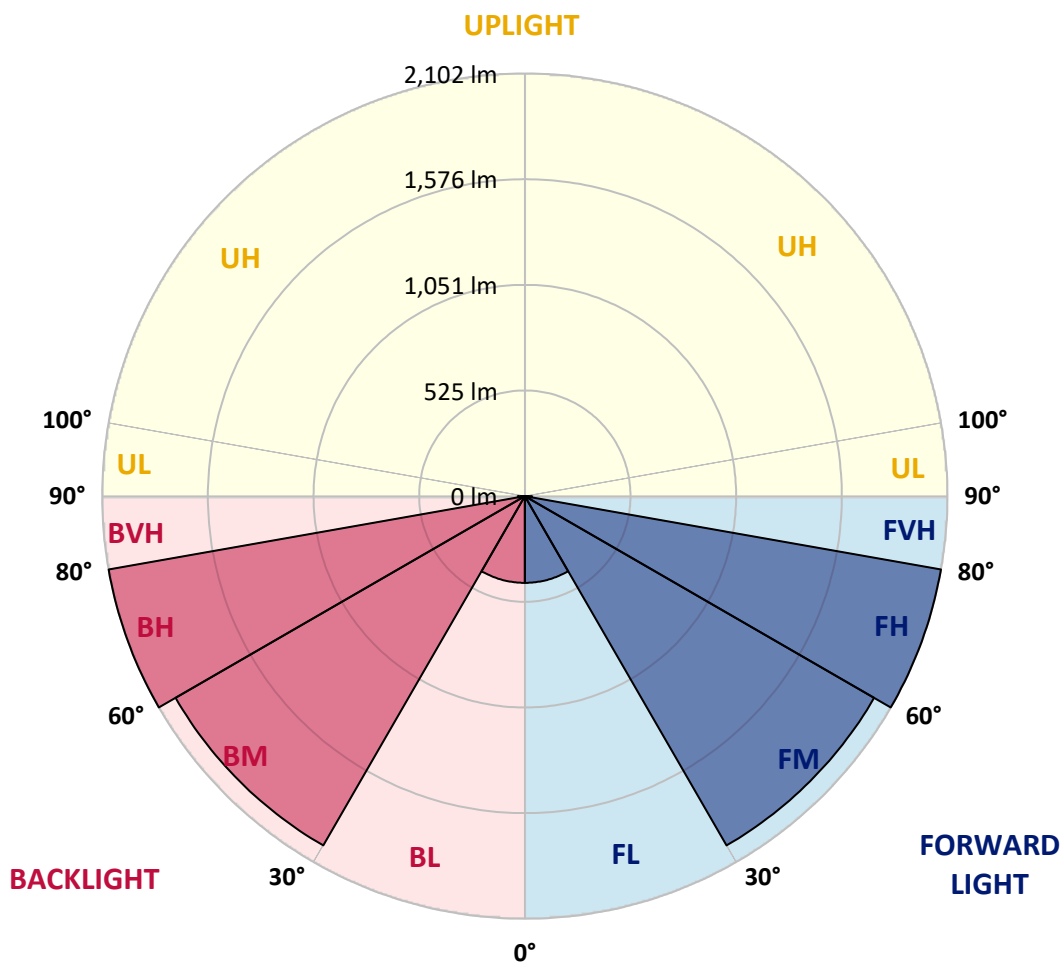
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	431.3	4.7			
FM (30°-60°)	2005.7	21.9			
FH (60°-80°)	2101.7	23.0			G2/5000
FVH (80°-90°)	35.2	0.4			G1/100
BL (0°-30°)	431.3	4.7	B1/500		
BM (30°-60°)	2005.7	21.9	B2/2500		
BH (60°-80°)	2101.7	23.0	B3/2500		G2/5000
BVH (80°-90°)	35.2	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°	1006.0	1006.0	1006.0	1006.0	1006.0	1006.0	1006.0	1006.0	1006.0	1006.0	1006.0
2.5°	1004.7	1004.0	1005.3	1006.0	1004.7	1005.3	1001.4	1001.4	1003.4	1001.4	1004.0
5°	1009.2	1007.9	1009.2	1009.2	1006.0	1006.0	1001.4	1000.1	1001.4	998.2	1000.8
7.5°	1009.8	1007.2	1009.2	1008.5	1006.0	1006.0	999.5	996.9	997.5	994.3	996.2
10°	1003.4	1002.1	1004.7	1003.4	1001.4	1001.4	996.2	992.3	992.3	989.1	991.0
12.5°	999.5	998.2	1001.4	1002.1	1000.8	1001.4	994.9	989.7	987.8	983.9	985.2
15°	999.5	996.9	1002.1	1003.4	1004.7	1009.2	999.5	990.4	986.5	981.3	982.6
17.5°	998.8	997.5	1003.4	1007.9	1009.2	1014.4	1003.4	993.6	989.1	981.3	982.6
20°	998.8	998.2	1005.3	1013.7	1017.6	1022.2	1010.5	1001.4	993.6	985.2	985.2
22.5°	1002.1	1001.4	1011.1	1023.5	1034.5	1042.2	1028.6	1013.7	1003.4	992.3	991.0
25°	1015.7	1014.4	1026.0	1041.0	1055.9	1063.6	1050.0	1035.1	1020.2	1007.9	1006.6
27.5°	1043.5	1042.9	1054.6	1072.7	1083.1	1088.9	1077.3	1064.3	1049.4	1035.1	1034.5
30°	1081.1	1081.1	1096.0	1114.8	1120.7	1125.2	1113.5	1104.5	1088.9	1073.4	1072.1
32.5°	1126.5	1129.1	1146.6	1167.3	1171.2	1173.8	1161.5	1155.7	1138.8	1122.0	1119.4
35°	1186.1	1186.8	1208.2	1228.9	1234.1	1236.7	1222.4	1217.3	1201.7	1183.5	1179.7
37.5°	1262.0	1260.0	1280.1	1303.5	1308.6	1311.9	1300.2	1296.3	1276.9	1258.7	1252.9
40°	1346.9	1348.2	1370.9	1392.9	1396.1	1397.4	1391.6	1385.8	1367.6	1346.9	1339.8
42.5°	1445.4	1445.4	1472.0	1497.9	1497.9	1491.4	1488.8	1487.5	1470.0	1446.7	1438.9
45°	1558.2	1559.5	1592.5	1612.0	1613.3	1595.8	1598.4	1606.2	1589.3	1559.5	1549.1
47.5°	1682.0	1683.9	1722.8	1744.2	1740.3	1717.6	1731.9	1735.8	1716.3	1678.1	1664.5
50°	1812.3	1818.1	1861.5	1899.1	1893.9	1860.9	1879.7	1881.0	1849.2	1805.1	1786.3
52.5°	1952.9	1966.5	2024.2	2064.4	2069.6	2028.1	2044.3	2043.0	2002.2	1941.9	1929.6
55°	2127.3	2135.1	2192.1	2249.1	2268.6	2217.4	2235.5	2226.4	2171.4	2102.6	2081.9
57.5°	2301.6	2313.3	2386.5	2450.7	2489.6	2446.2	2450.1	2426.7	2357.4	2274.4	2264.0
60°	2508.4	2513.6	2594.6	2678.2	2745.6	2719.7	2701.6	2652.9	2571.3	2488.3	2473.4
62.5°	2677.6	2687.9	2808.5	2931.7	3045.7	3050.3	2995.2	2922.6	2792.3	2653.6	2623.8
65°	2724.2	2741.1	2910.3	3153.3	3390.6	3496.2	3345.2	3123.5	2832.5	2623.1	2578.4
67.5°	2507.1	2539.5	2781.3	3185.1	3711.4	4028.3	3623.9	3028.2	2621.8	2377.5	2334.7
70°	1949.7	1963.9	2247.8	2802.0	3716.6	4366.7	3511.8	2629.6	2149.3	1886.8	1823.9
72.5°	1035.8	1042.9	1298.9	1886.8	3024.3	3772.3	2901.8	1840.1	1265.2	1026.7	954.7
75°	334.5	343.5	447.2	772.6	1668.4	2535.0	1711.2	765.5	436.2	352.0	333.2
77.5°	170.5	169.8	188.6	248.9	561.3	1242.5	593.7	268.3	188.6	169.2	164.0
80°	106.3	104.4	118.6	136.1	196.4	363.0	213.2	150.4	119.3	102.4	101.8
82.5°	60.3	60.3	79.7	87.5	110.8	149.7	124.4	103.1	81.7	60.9	59.0
85°	33.7	29.8	49.9	55.1	63.5	73.9	75.8	66.8	55.1	33.7	35.0
87.5°	12.3	13.6	23.3	22.0	25.3	17.5	31.1	35.0	31.1	16.2	13.6
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)