

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: P672622

Luminaire Tested: **CCP-SA-1D-850-U-5MQ**

Issue Date: 04/16/2023



Test Information

Test Method: LM-79-08
Report Number: P672622
Test Lab: INNOVATION CENTER(G2)
Issue Date: 04/16/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCP-SA-1D-850-U-5MQ
Description: INVUE CLEAR CURVE POLE MOUNT LIGHT SQUARE LUMINAIRE @800mA w/ 5MQ distribution lens
Light Source: (16) 5000K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5023.3 lumens
Efficiency: N/A
Efficacy: 114.2 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B3 - U0 - G1

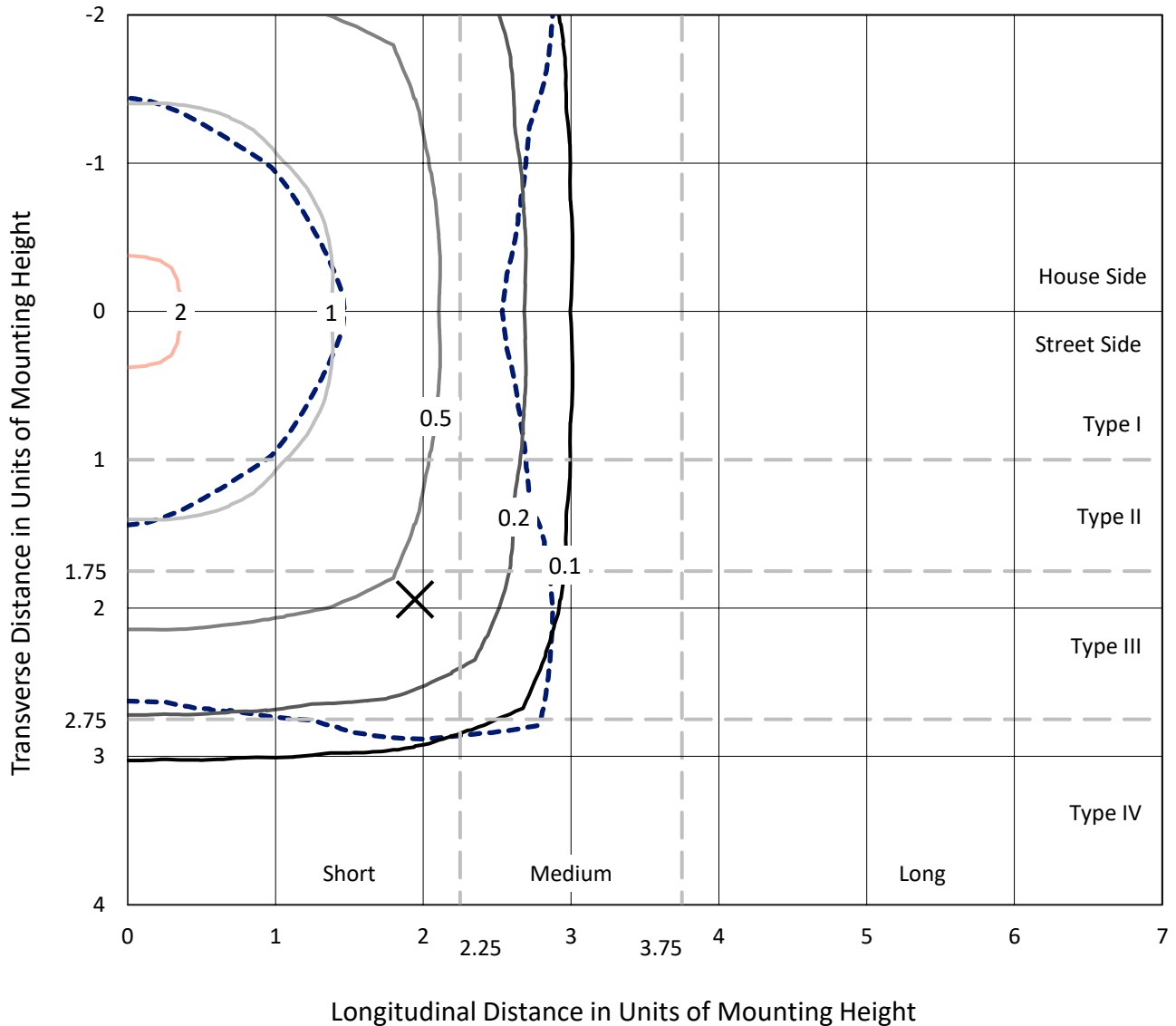
Input Watts (W): 44
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Iso-Footcandle Lines of Horizontal Illumination

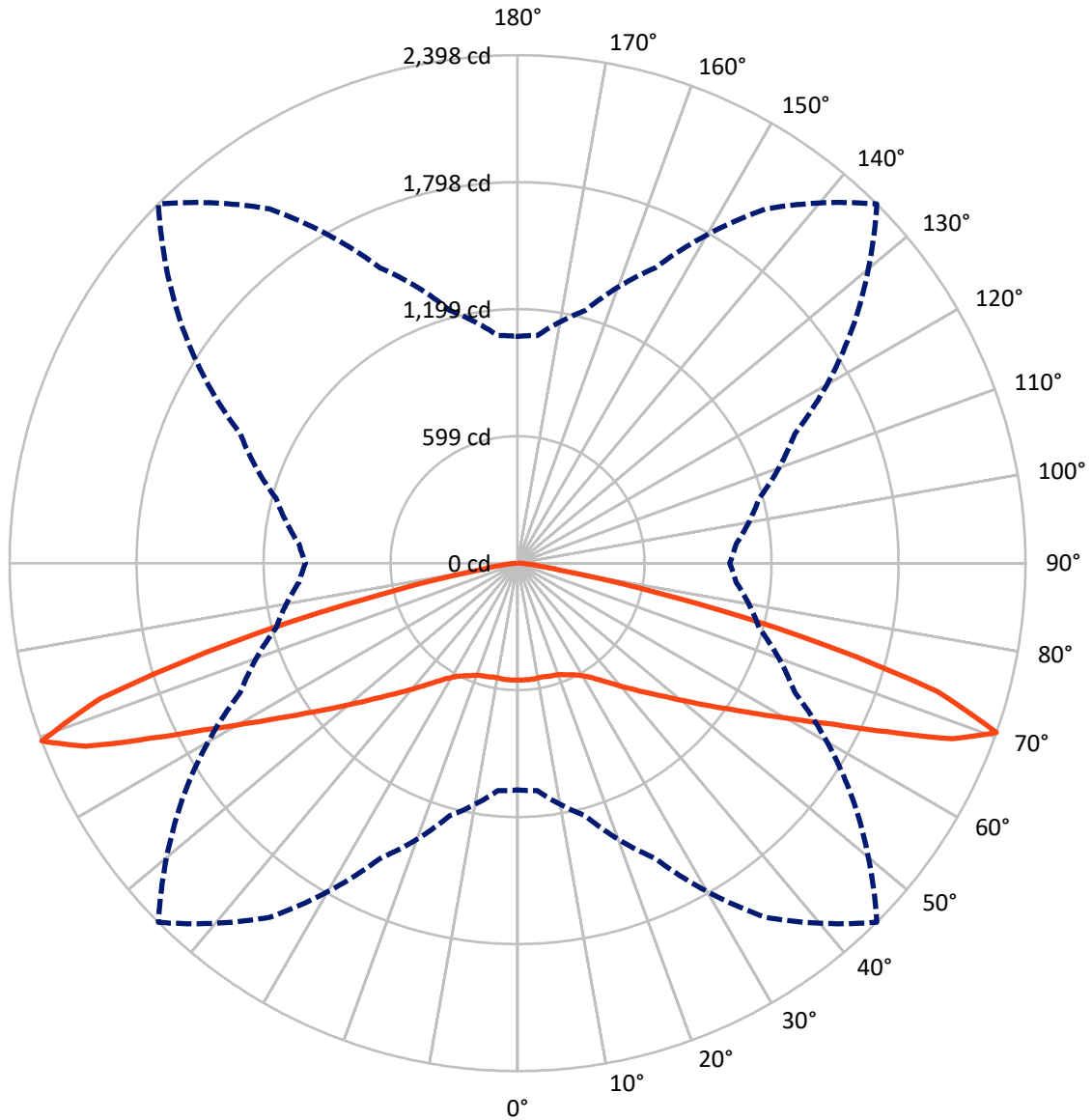
× Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 2.5 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	2511.7	0.0	2511.7
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	2511.7	0.0	2511.7
	% Fixture	50.0	0.0	50.0
Total	Lumens	5023.3	0.0	5023.3
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	52.5	1.0
10°-20°	155.5	3.1
20°-30°	265.6	5.3
30°-40°	423.8	8.4
40°-50°	683.9	13.6
50°-60°	1095.1	21.8
60°-70°	1603.2	31.9
70°-80°	705.1	14.0
80°-90°	38.6	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°	5023.3	100.0
0°-180°	5023.3	100.0



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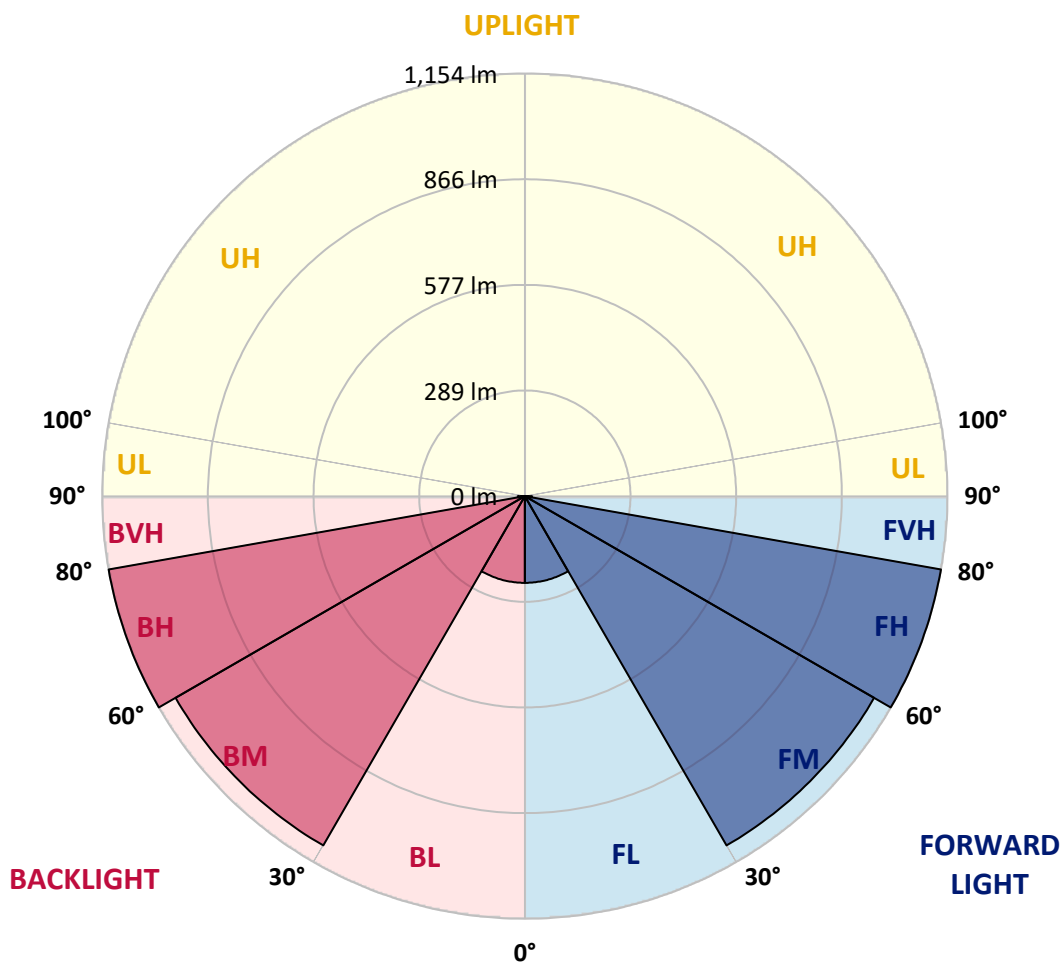
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	236.8	4.7			
FM (30°-60°)	1101.4	21.9			
FH (60°-80°)	1154.1	23.0			G1/1800
FVH (80°-90°)	19.3	0.4			G1/100
BL (0°-30°)	236.8	4.7	B1/500		
BM (30°-60°)	1101.4	21.9	B2/2500		
BH (60°-80°)	1154.1	23.0	B3/2500		G1/1800
BVH (80°-90°)	19.3	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-G1

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	552.4	552.4	552.4	552.4	552.4	552.4	552.4	552.4	552.4	552.4	552.4
2.5°	551.7	551.3	552.0	552.4	551.7	552.0	549.9	549.9	551.0	549.9	551.3
5°	554.2	553.5	554.2	554.2	552.4	552.4	549.9	549.2	549.9	548.1	549.6
7.5°	554.5	553.1	554.2	553.8	552.4	552.4	548.8	547.4	547.8	546.0	547.1
10°	551.0	550.3	551.7	551.0	549.9	549.9	547.1	544.9	544.9	543.1	544.2
12.5°	548.8	548.1	549.9	550.3	549.6	549.9	546.3	543.5	542.4	540.3	541.0
15°	548.8	547.4	550.3	551.0	551.7	554.2	548.8	543.9	541.7	538.9	539.6
17.5°	548.5	547.8	551.0	553.5	554.2	557.0	551.0	545.6	543.1	538.9	539.6
20°	548.5	548.1	552.0	556.7	558.8	561.3	554.9	549.9	545.6	541.0	541.0
22.5°	550.3	549.9	555.2	562.0	568.1	572.3	564.9	556.7	551.0	544.9	544.2
25°	557.7	557.0	563.4	571.6	579.8	584.1	576.6	568.4	560.2	553.5	552.8
27.5°	573.0	572.7	579.1	589.1	594.8	598.0	591.6	584.4	576.2	568.4	568.1
30°	593.7	593.7	601.9	612.2	615.4	617.9	611.5	606.5	598.0	589.4	588.7
32.5°	618.6	620.0	629.6	641.0	643.2	644.6	637.8	634.6	625.4	616.1	614.7
35°	651.3	651.7	663.4	674.8	677.7	679.1	671.3	668.4	659.9	649.9	647.8
37.5°	693.0	691.9	703.0	715.8	718.6	720.4	714.0	711.9	701.2	691.2	688.0
40°	739.6	740.3	752.8	764.9	766.7	767.4	764.2	761.0	751.0	739.6	735.7
42.5°	793.7	793.7	808.3	822.5	822.5	819.0	817.6	816.9	807.2	794.4	790.2
45°	855.6	856.4	874.5	885.2	885.9	876.3	877.7	882.0	872.7	856.4	850.7
47.5°	923.6	924.7	946.1	957.8	955.7	943.2	951.0	953.2	942.5	921.5	914.0
50°	995.2	998.4	1022.2	1042.9	1040.0	1021.9	1032.2	1032.9	1015.5	991.3	980.9
52.5°	1072.4	1079.9	1111.6	1133.6	1136.5	1113.7	1122.6	1121.9	1099.5	1066.4	1059.6
55°	1168.2	1172.4	1203.7	1235.1	1245.7	1217.6	1227.6	1222.6	1192.4	1154.6	1143.2
57.5°	1263.9	1270.3	1310.5	1345.8	1367.1	1343.3	1345.4	1332.6	1294.5	1248.9	1243.3
60°	1377.4	1380.3	1424.8	1470.7	1507.7	1493.5	1483.5	1456.8	1412.0	1366.4	1358.2
62.5°	1470.3	1476.0	1542.2	1609.9	1672.5	1675.0	1644.7	1604.9	1533.3	1457.2	1440.8
65°	1496.0	1505.2	1598.1	1731.6	1861.9	1919.9	1836.9	1715.2	1555.4	1440.4	1415.9
67.5°	1376.7	1394.5	1527.3	1749.0	2038.0	2212.1	1990.0	1662.9	1439.7	1305.5	1282.1
70°	1070.6	1078.5	1234.4	1538.7	2040.9	2397.9	1928.4	1444.0	1180.3	1036.1	1001.6
72.5°	568.8	572.7	713.3	1036.1	1660.8	2071.5	1593.5	1010.5	694.8	563.8	524.3
75°	183.7	188.6	245.6	424.3	916.2	1392.0	939.6	420.4	239.5	193.3	182.9
77.5°	93.6	93.3	103.6	136.7	308.2	682.3	326.0	147.4	103.6	92.9	90.0
80°	58.4	57.3	65.1	74.7	107.8	199.3	117.1	82.6	65.5	56.2	55.9
82.5°	33.1	33.1	43.8	48.1	60.9	82.2	68.3	56.6	44.8	33.5	32.4
85°	18.5	16.4	27.4	30.3	34.9	40.6	41.6	36.7	30.3	18.5	19.2
87.5°	6.8	7.5	12.8	12.1	13.9	9.6	17.1	19.2	17.1	8.9	7.5
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)