

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: P672441

Luminaire Tested: **CCP-SA-2E-827-U-5WQ**

Issue Date: 04/16/2023



Test Information

Test Method: LM-79-08
Report Number: P672441
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-5WQ
Description: INVUE CLEAR CURVE POLE MOUNT LIGHT SQUARE LUMINAIRE @1050mA w/ 5WQ distribution lens
Light Source: (32) 2700K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

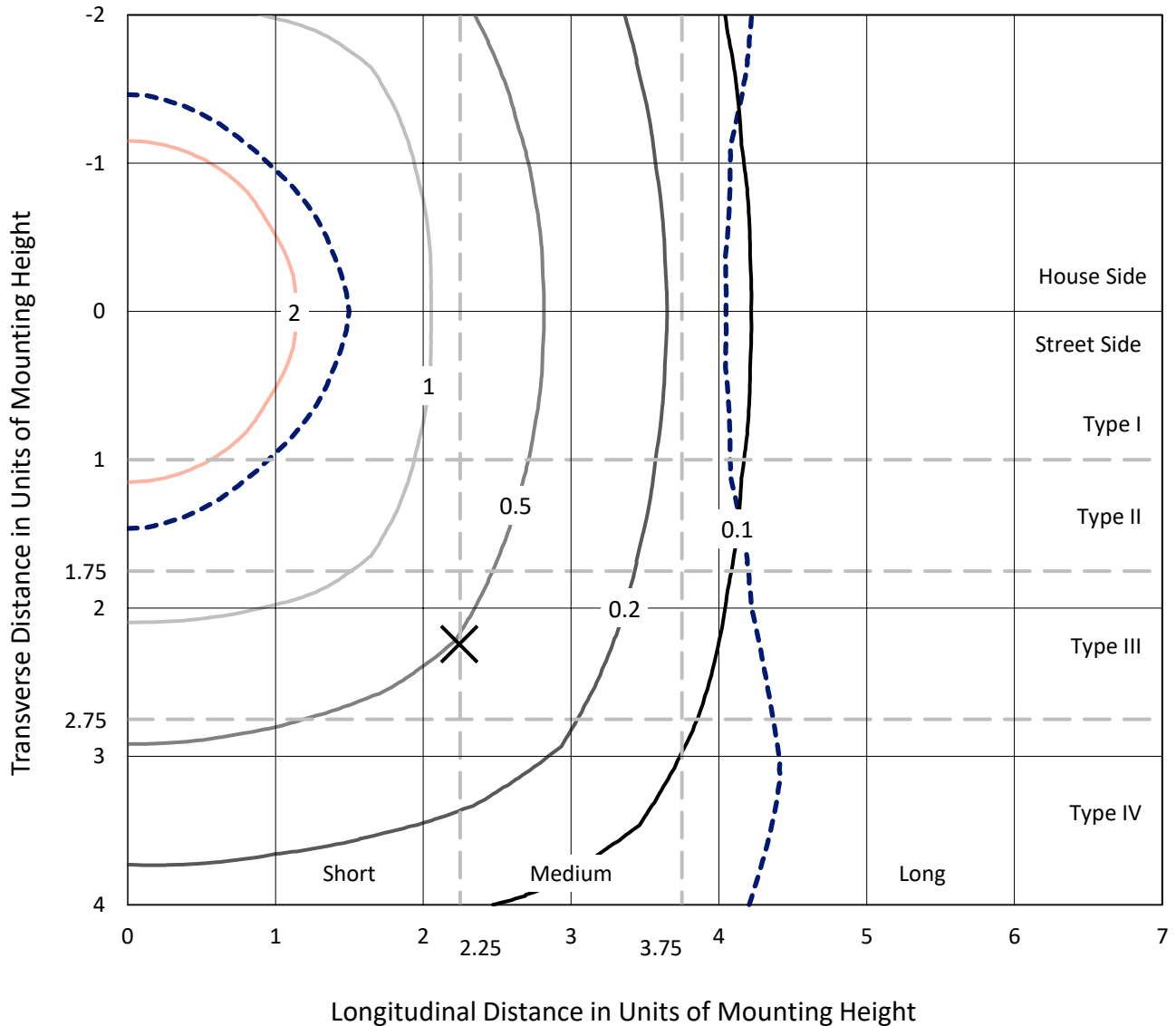
Lumens per Lamp: N/A
Luminaire Lumens: 10534.6 lumens
Efficiency: N/A
Efficacy: 98.8 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B4 - U0 - G2

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

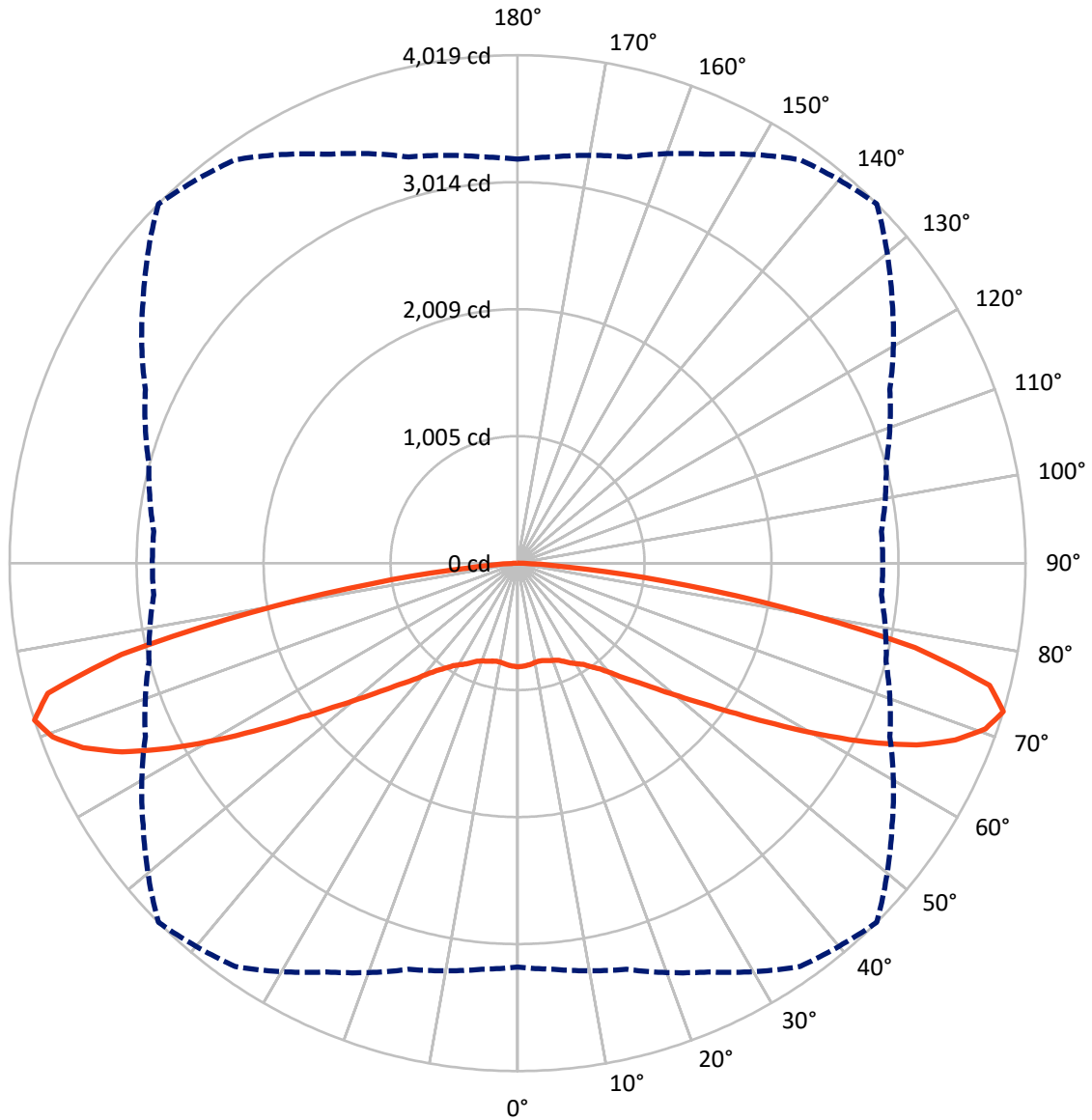
× Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 3.6 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 72.5-Deg Vertical

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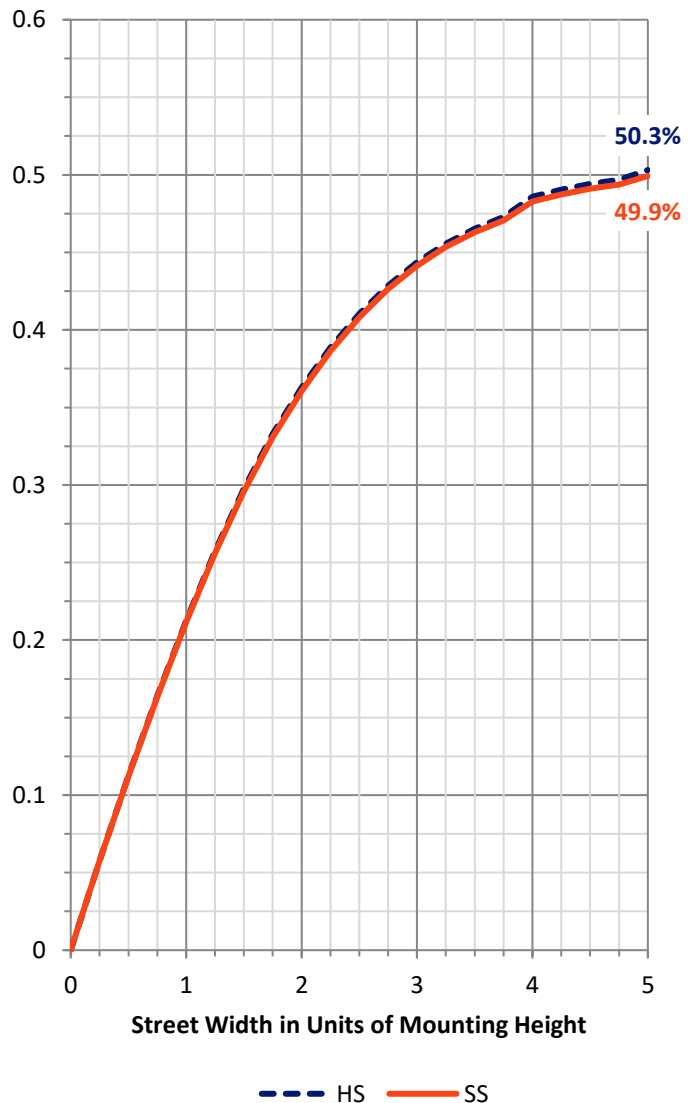
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	5267.3	0.0	5267.3
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	5267.3	0.0	5267.3
	% Fixture	50.0	0.0	50.0
Total	Lumens	10534.6	0.0	10534.6
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	77.0	0.7
10°-20°	228.8	2.2
20°-30°	401.9	3.8
30°-40°	641.2	6.1
40°-50°	1072.2	10.2
50°-60°	1834.8	17.4
60°-70°	3029.1	28.8
70°-80°	2903.2	27.6
80°-90°	346.2	3.3
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°	10534.6	100.0
0°-180°	10534.6	100.0



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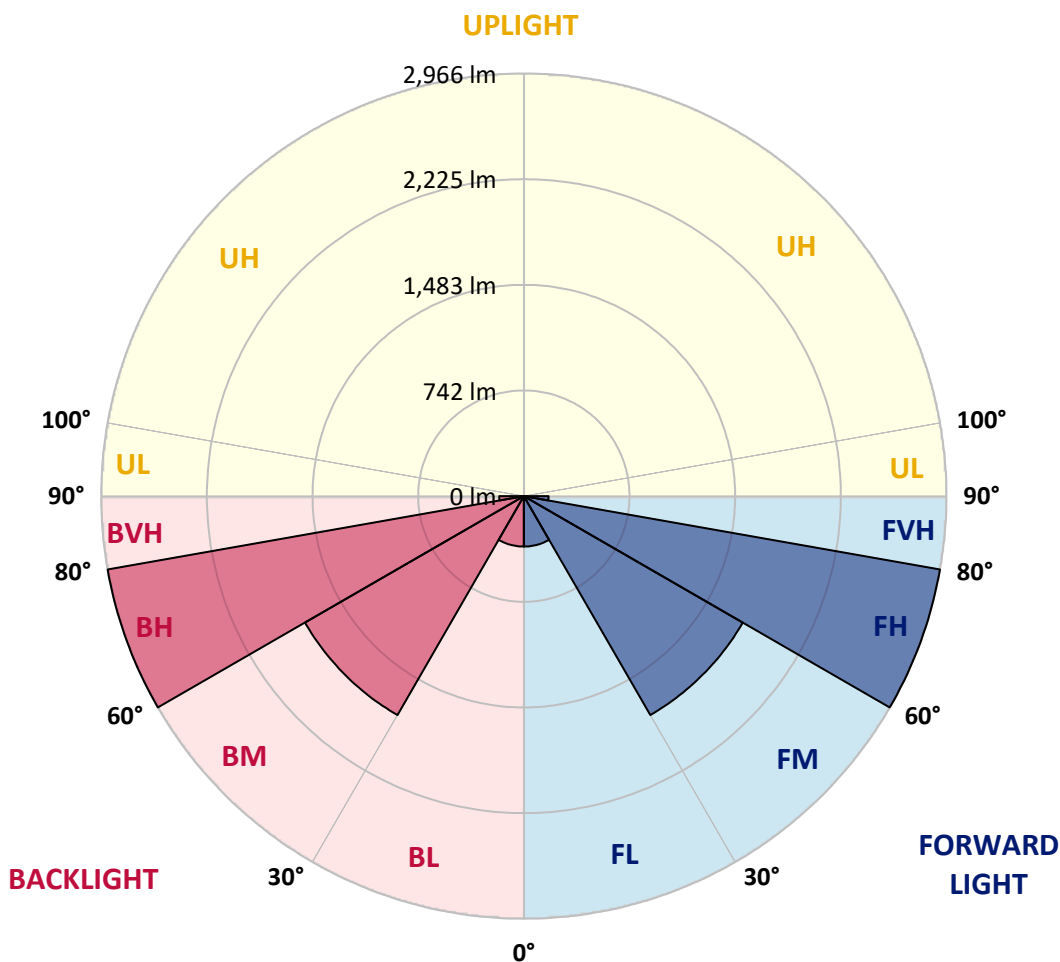
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	353.9	3.4			
FM (30°-60°)	1774.2	16.8			
FH (60°-80°)	2966.1	28.2			G2/5000
FVH (80°-90°)	173.1	1.6			G2/225
BL (0°-30°)	353.9	3.4	B1/500		
BM (30°-60°)	1774.2	16.8	B2/2500		
BH (60°-80°)	2966.1	28.2	B4/5000		G2/5000
BVH (80°-90°)	173.1	1.6			G2/225
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B4-U0-G2

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	820.3	820.3	820.3	820.3	820.3	820.3	820.3	820.3	820.3	820.3	820.3
2.5°	815.2	815.2	817.4	818.1	817.4	816.7	815.9	815.2	817.4	816.7	817.4
5°	813.0	813.0	813.7	814.5	813.0	812.3	810.8	810.1	811.5	811.5	813.0
7.5°	807.1	806.4	807.1	807.8	805.6	804.9	802.7	802.7	802.7	802.0	803.4
10°	802.0	800.5	800.5	799.0	795.4	796.1	793.1	795.4	799.0	799.8	800.5
12.5°	804.2	802.7	801.2	797.6	792.4	793.1	792.4	794.6	799.8	802.7	804.9
15°	814.5	813.0	809.3	802.7	799.8	799.8	798.3	799.0	806.4	810.8	813.0
17.5°	825.5	822.5	815.9	811.5	808.6	810.8	805.6	804.9	810.8	817.4	819.6
20°	834.3	832.1	824.0	818.9	818.9	821.1	815.9	813.0	819.6	827.7	829.9
22.5°	849.7	848.3	840.2	835.0	835.0	835.8	832.8	830.6	838.0	846.1	848.3
25°	871.8	871.8	863.7	861.5	860.8	862.2	858.6	856.4	863.0	868.9	871.1
27.5°	897.5	895.3	888.7	887.2	890.2	895.3	888.7	882.8	888.0	893.1	893.9
30°	924.7	924.7	918.8	918.8	921.0	923.3	917.4	911.5	916.6	922.5	923.3
32.5°	962.9	960.7	958.5	959.3	958.5	955.6	952.7	951.9	956.3	960.0	961.5
35°	1010.0	1009.3	1006.3	1007.8	1007.8	1007.8	999.0	996.0	1003.4	1006.3	1004.8
37.5°	1082.8	1082.0	1074.7	1070.3	1065.1	1062.9	1051.9	1051.2	1068.8	1077.6	1076.1
40°	1171.7	1168.8	1162.2	1154.8	1148.2	1143.8	1132.7	1140.8	1159.2	1165.8	1165.8
42.5°	1268.7	1265.1	1257.7	1254.0	1249.6	1245.2	1230.5	1234.2	1256.2	1262.9	1255.5
45°	1387.8	1382.7	1374.6	1366.5	1359.9	1351.1	1343.7	1347.4	1370.9	1379.0	1373.1
47.5°	1514.3	1512.8	1506.2	1499.6	1493.7	1487.8	1478.2	1484.8	1505.4	1504.0	1492.2
50°	1648.0	1651.0	1651.7	1658.3	1653.9	1654.7	1637.0	1633.3	1649.5	1640.0	1625.2
52.5°	1792.1	1796.5	1812.0	1825.2	1849.4	1852.4	1830.3	1806.8	1803.9	1778.9	1763.4
55°	1959.0	1958.2	1992.1	2028.8	2082.5	2099.4	2050.1	2006.0	1981.8	1933.2	1917.1
57.5°	2147.9	2145.7	2197.1	2261.8	2358.9	2400.8	2310.3	2226.5	2167.7	2109.7	2092.8
60°	2353.0	2358.1	2420.6	2525.7	2693.3	2751.4	2614.7	2475.7	2386.1	2310.3	2303.7
62.5°	2592.6	2593.3	2666.8	2809.5	3027.0	3120.4	2932.2	2744.0	2630.1	2547.0	2529.4
65°	2875.6	2880.8	2959.4	3103.5	3353.4	3468.8	3252.0	3022.6	2888.1	2775.6	2773.4
67.5°	3166.0	3163.0	3235.1	3388.0	3629.1	3735.6	3508.5	3252.7	3077.8	2937.4	2919.0
70°	3351.9	3368.1	3446.0	3592.3	3823.1	3926.8	3650.4	3341.6	3158.6	3030.0	3021.2
72.5°	3195.4	3225.5	3326.2	3568.8	3895.9	4018.7	3616.6	3249.8	3018.9	2889.6	2889.6
75°	2594.1	2644.1	2784.5	3157.9	3644.5	3856.9	3348.3	2844.0	2508.1	2369.9	2369.9
77.5°	1580.4	1628.2	1817.8	2273.6	2943.2	3215.2	2729.3	2142.0	1753.2	1584.1	1562.0
80°	525.6	556.5	742.4	1155.5	1806.8	2139.8	1828.9	1216.5	785.1	598.4	595.4
82.5°	139.7	152.2	211.7	335.2	784.3	1159.2	836.5	401.4	230.1	178.6	164.7
85°	48.5	52.2	89.7	111.7	199.2	383.7	233.0	145.5	111.7	67.6	63.2
87.5°	14.0	15.4	36.0	39.0	57.3	44.8	63.2	58.1	52.9	22.1	19.8
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)