

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: P672724

Luminaire Tested: **CCP-SA-1F-827-U-5NQ**

Issue Date: 04/16/2023



Test Information

Test Method: LM-79-08
Report Number: P672724
Test Lab: INNOVATION CENTER(G2)
Issue Date: 04/16/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCP-SA-1F-827-U-5NQ
Description: INVUE CLEAR CURVE POLE MOUNT LIGHT SQUARE LUMINAIRE @1200mA w/ 5NQ distribution lens
Light Source: (16) 2700K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

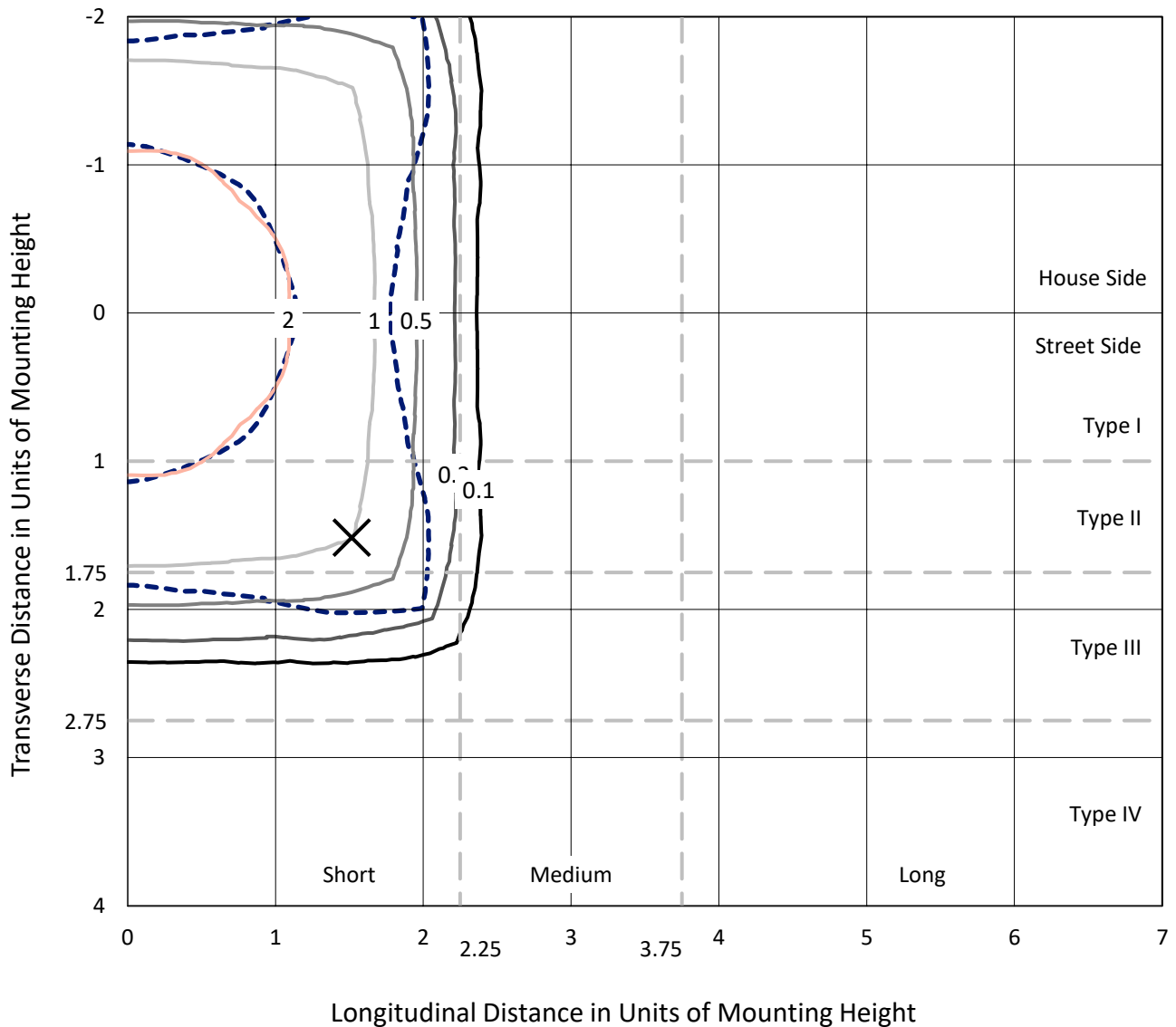
Lumens per Lamp: N/A
Luminaire Lumens: 5735.4 lumens
Efficiency: N/A
Efficacy: 85.6 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B2 - U0 - G1

Input Watts (W): 67
Input Voltage (V): 120
Input Current (A_{in}): 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

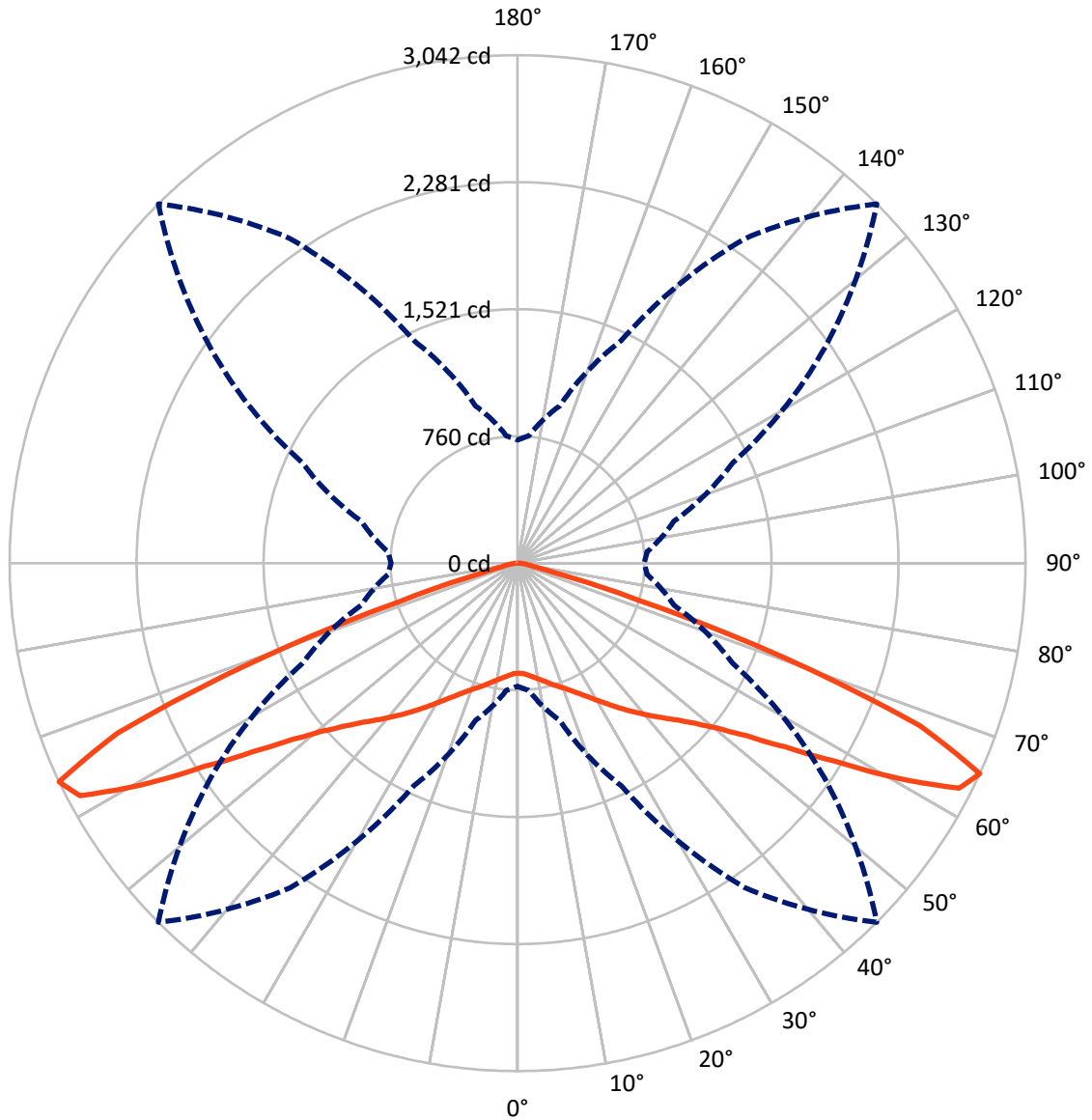
× Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 3 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 65-Deg Vertical

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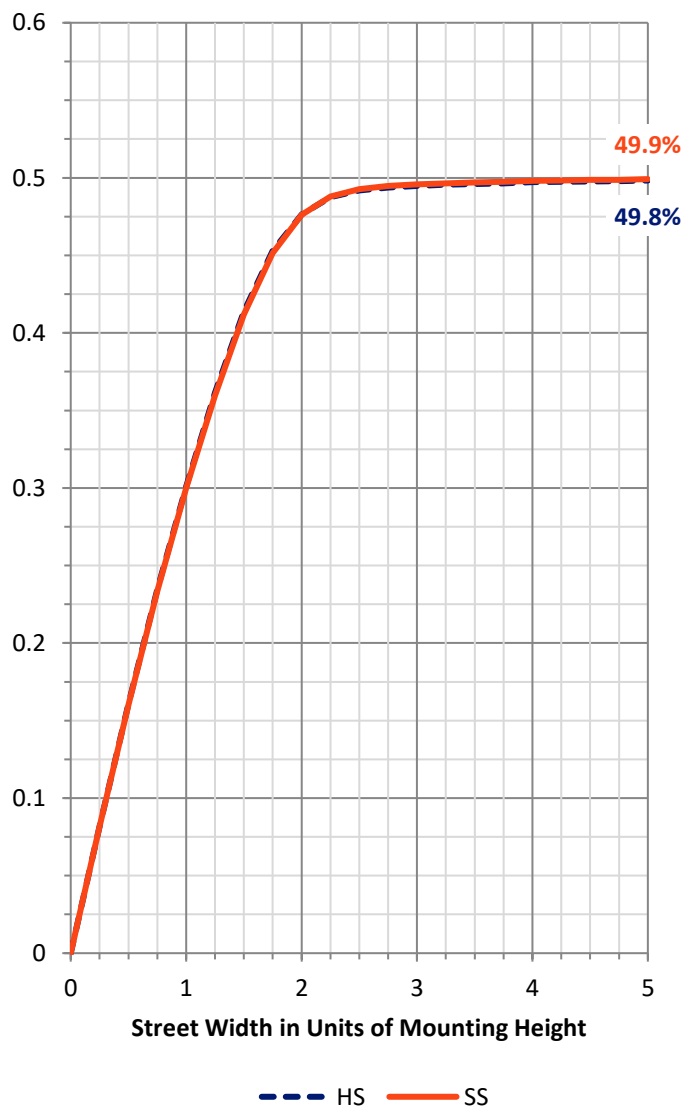
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2867.7	0.0	2867.7
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	2867.7	0.0	2867.7
	% Fixture	50.0	0.0	50.0
Total	Lumens	5735.4	0.0	5735.4
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	65.3	1.1
10°-20°	213.2	3.7
20°-30°	404.4	7.1
30°-40°	678.2	11.8
40°-50°	1073.2	18.7
50°-60°	1686.0	29.4
60°-70°	1424.5	24.8
70°-80°	165.9	2.9
80°-90°	24.7	0.4
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°	5735.4	100.0
0°-180°	5735.4	100.0



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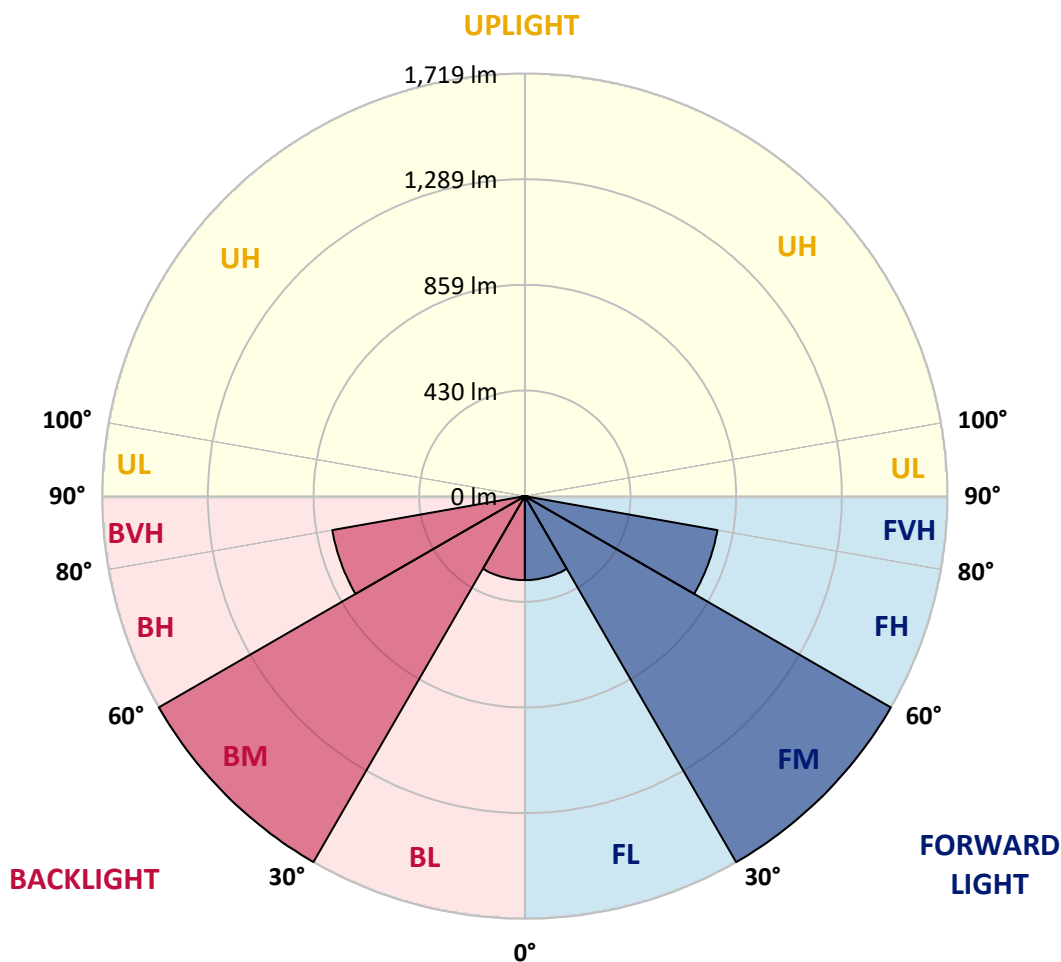
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	341.5	6.0			
FM (30°-60°)	1718.7	30.0			
FH (60°-80°)	795.2	13.9			G1/1800
FVH (80°-90°)	12.4	0.2			G1/100
BL (0°-30°)	341.5	6.0	B1/500		
BM (30°-60°)	1718.7	30.0	B2/2500		
BH (60°-80°)	795.2	13.9	B2/1000		G1/1800
BVH (80°-90°)	12.4	0.2			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G1

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	659.5	659.5	659.5	659.5	659.5	659.5	659.5	659.5	659.5	659.5	659.5
2.5°	663.1	661.1	663.1	663.1	661.9	662.3	660.7	660.3	662.3	660.7	660.3
5°	676.8	675.2	676.8	675.6	673.6	674.0	671.6	670.8	673.2	670.8	671.2
7.5°	692.5	689.7	690.5	691.7	689.7	689.7	687.7	686.5	687.7	685.3	686.9
10°	705.8	703.4	704.6	706.2	705.8	707.0	705.0	704.2	703.0	700.2	702.6
12.5°	723.2	722.4	724.0	726.0	725.2	726.8	722.4	721.1	720.7	717.5	720.3
15°	745.7	743.7	746.5	749.0	747.8	750.6	746.9	745.3	743.3	739.3	741.7
17.5°	768.3	766.7	770.7	771.9	772.3	774.8	771.9	769.5	768.7	765.9	764.3
20°	795.3	793.3	796.5	798.9	796.9	799.8	798.5	796.9	796.1	791.7	791.3
22.5°	825.6	822.7	827.6	830.4	827.6	830.4	828.0	827.6	828.0	821.5	822.3
25°	859.4	859.8	864.7	866.7	865.1	866.7	863.0	865.5	864.2	857.4	855.0
27.5°	902.9	901.3	906.6	912.6	908.6	908.6	907.0	909.4	909.0	902.5	900.9
30°	953.7	953.3	961.0	964.6	959.0	956.6	956.2	962.2	962.6	955.8	952.9
32.5°	1006.9	1006.9	1016.2	1020.7	1012.6	1011.0	1009.4	1017.4	1016.2	1006.9	1000.9
35°	1065.4	1063.0	1075.5	1081.9	1073.9	1069.0	1068.2	1075.5	1073.9	1061.0	1053.7
37.5°	1123.0	1124.7	1139.2	1146.4	1136.7	1130.7	1132.7	1137.6	1138.0	1123.8	1116.2
40°	1193.6	1194.0	1212.1	1217.8	1205.3	1196.0	1198.8	1209.7	1208.9	1191.6	1181.9
42.5°	1272.6	1271.0	1293.6	1298.4	1281.5	1263.7	1272.2	1289.1	1293.1	1273.8	1263.7
45°	1357.2	1359.7	1383.0	1388.3	1361.7	1339.1	1357.2	1382.6	1387.9	1366.9	1354.4
47.5°	1460.0	1462.9	1491.1	1493.1	1462.9	1433.4	1457.6	1490.7	1492.7	1463.7	1449.1
50°	1577.3	1587.0	1618.4	1622.5	1592.7	1554.8	1589.4	1618.9	1611.2	1572.5	1559.2
52.5°	1710.4	1718.0	1767.2	1784.1	1757.9	1717.2	1745.0	1763.2	1738.6	1687.8	1667.2
55°	1823.6	1836.5	1901.8	1953.4	1973.2	1942.5	1939.3	1912.7	1844.2	1766.8	1745.4
57.5°	1855.5	1868.0	1969.1	2102.2	2219.5	2234.8	2163.8	2030.4	1882.9	1763.6	1741.8
60°	1726.1	1743.0	1890.9	2142.9	2479.5	2618.1	2361.8	2040.5	1782.5	1622.5	1595.1
62.5°	1355.6	1387.1	1578.1	1973.2	2584.3	2967.2	2443.2	1866.8	1479.8	1290.7	1254.4
65°	737.3	764.3	975.1	1470.5	2371.8	3041.8	2243.7	1421.3	967.8	778.0	758.2
67.5°	276.5	296.3	393.0	726.8	1676.9	2600.4	1703.1	813.9	439.4	315.2	287.4
70°	117.7	120.1	142.3	253.1	762.3	1691.8	871.9	276.5	146.7	118.5	115.3
72.5°	84.7	85.1	91.1	112.1	232.2	742.1	263.6	116.1	89.5	80.6	80.6
75°	67.7	68.1	71.8	81.0	109.6	218.5	113.7	81.4	69.3	63.3	62.5
77.5°	53.2	54.0	57.6	63.3	73.4	100.0	77.0	64.1	55.6	50.0	49.2
80°	39.5	40.7	45.6	48.4	51.6	66.5	56.0	50.0	44.3	38.3	37.1
82.5°	26.2	27.4	33.9	35.9	35.5	41.9	38.7	38.3	33.9	25.4	24.2
85°	15.7	16.5	21.8	23.4	21.8	20.6	24.6	26.6	23.8	16.5	15.3
87.5°	6.9	6.9	9.7	10.1	9.7	7.7	11.7	13.7	14.1	8.5	7.7
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)