

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: P672868

Luminaire Tested: **CCP-SA-1F-827-U-RW**

Issue Date: 04/16/2023



**Test Information**

Test Method: LM-79-08  
Report Number: P672868  
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-RW  
Description: INVUE CLEAR CURVE POLE MOUNT LIGHT SQUARE LUMINAIRE @1200mA w/ RW distribution lens  
Light Source: (16) 2700K CCT, 80 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

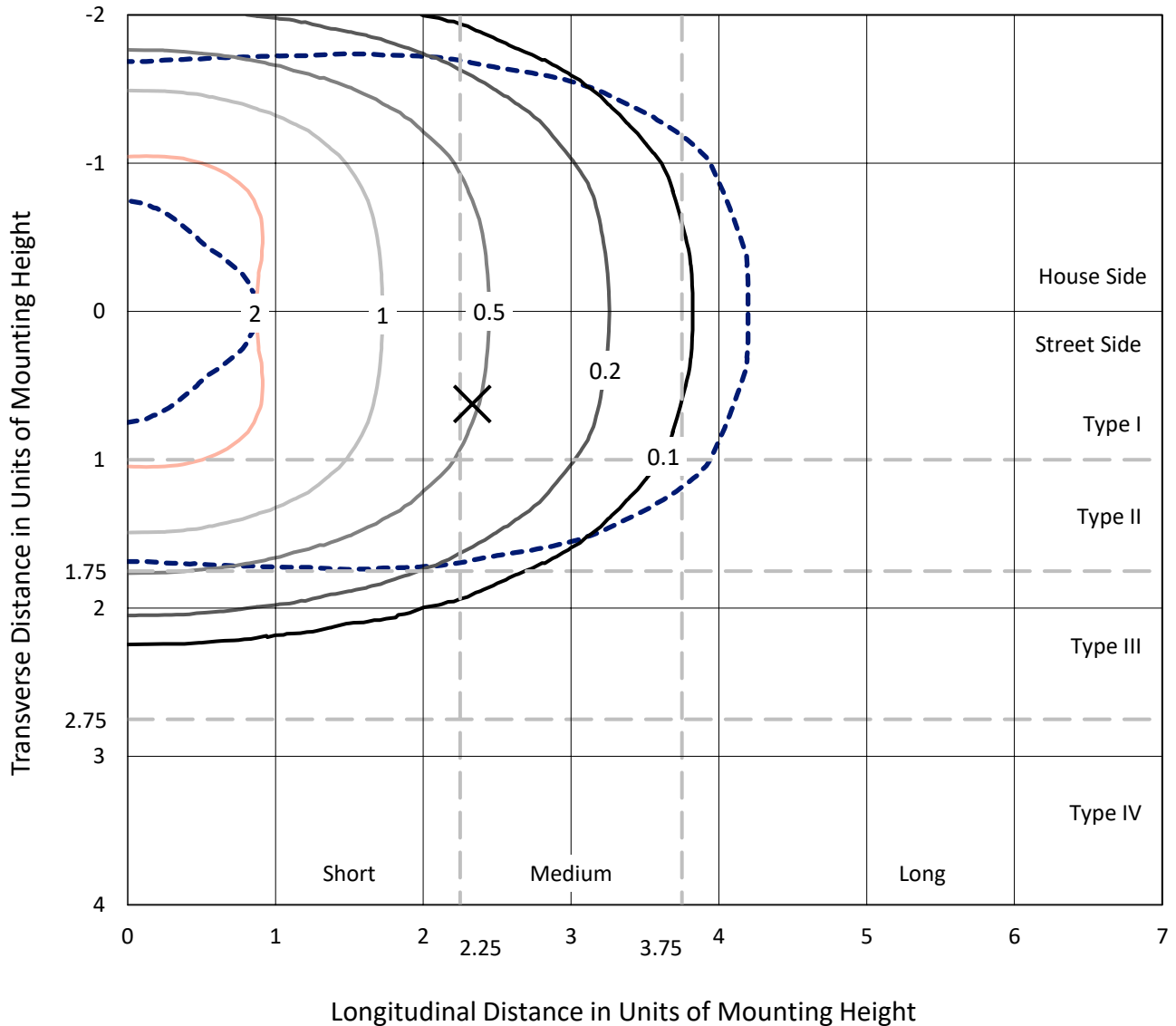
Lumens per Lamp: N/A  
Luminaire Lumens: 5606.5 lumens  
Efficiency: N/A  
Efficacy: 83.7 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')  
IES Classification: Type II - Medium  
BUG Rating: B2 - U0 - G2

Input Watts (W): 67  
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

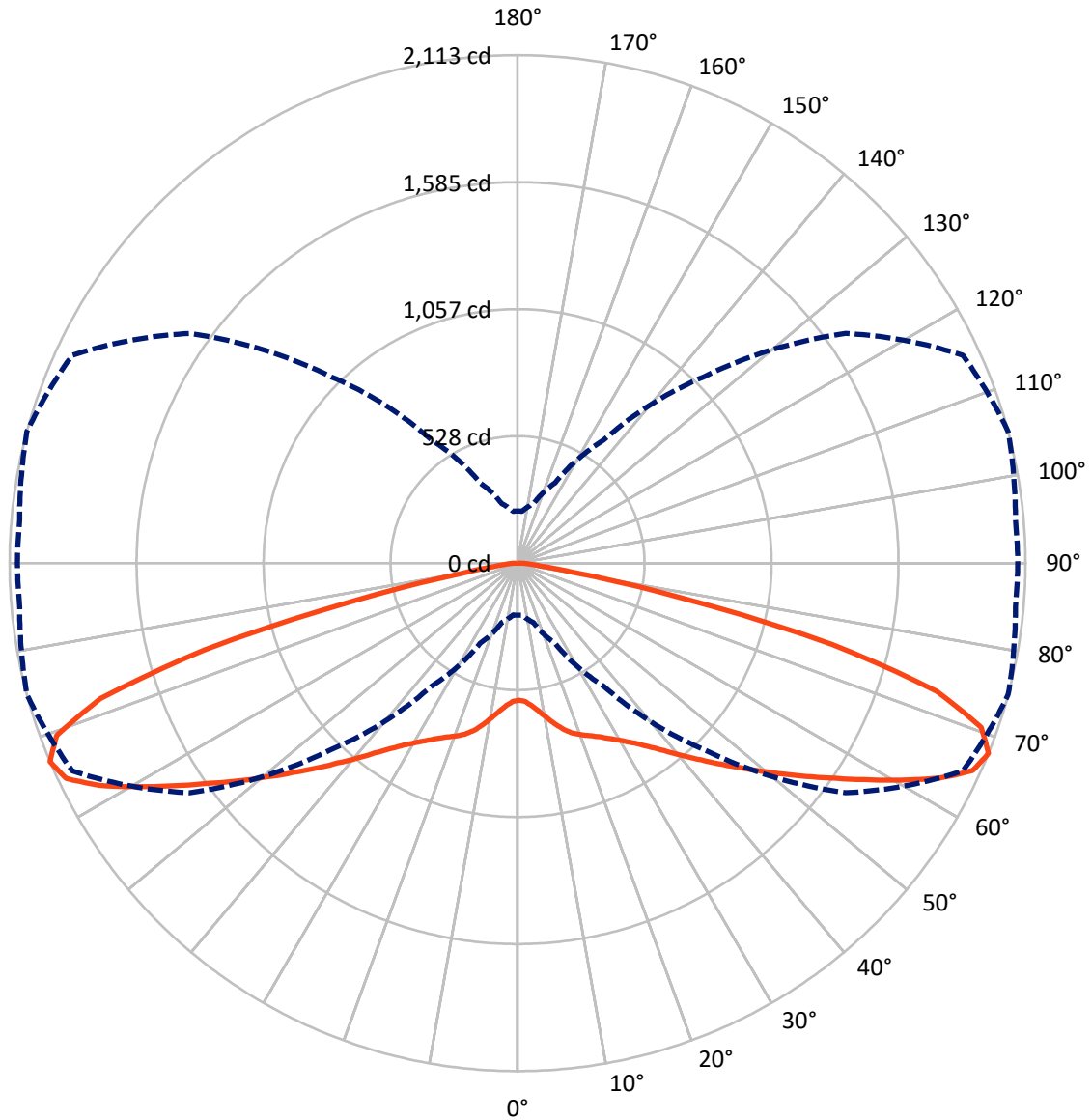
× Max cd  
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 2.9 fc  
 Type II - Medium - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 75-Deg Lateral      - - - Horizontal Cone Through 67.5-Deg Vertical

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	2803.3	0.0	2803.3
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	2803.3	0.0	2803.3
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	5606.5	0.0	5606.5
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	56.4	1.0
10°-20°	190.2	3.4
20°-30°	371.4	6.6
30°-40°	640.6	11.4
40°-50°	1037.7	18.5
50°-60°	1411.3	25.2
60°-70°	1302.0	23.2
70°-80°	544.8	9.7
80°-90°	52.0	0.9
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°	5606.5	100.0
0°-180°	5606.5	100.0



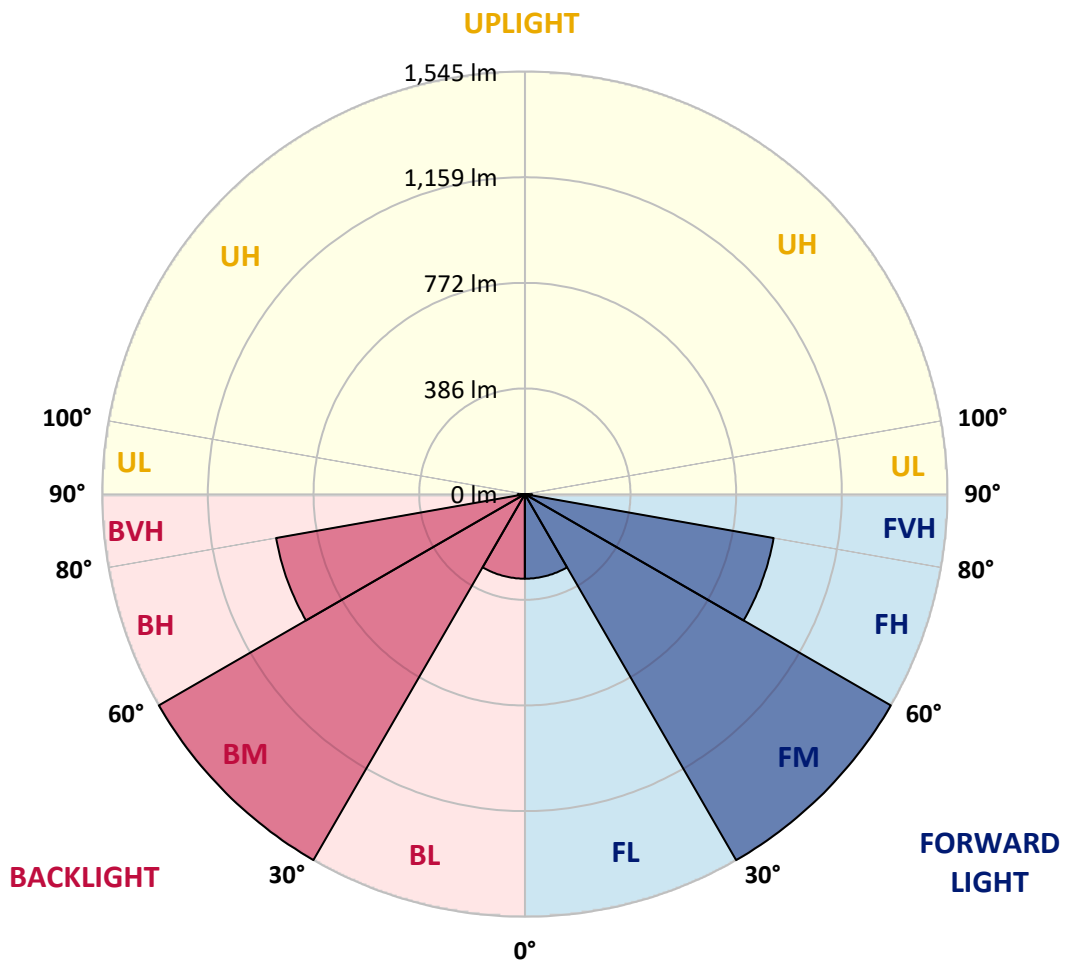
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	309.0	5.5			
FM (30°-60°)	1544.9	27.6			
FH (60°-80°)	923.4	16.5			G1/1800
FVH (80°-90°)	26.0	0.5			G1/100
BL (0°-30°)	309.0	5.5	B1/500		
BM (30°-60°)	1544.9	27.6	B2/2500		
BH (60°-80°)	923.4	16.5	B2/1000		G2/1000
BVH (80°-90°)	26.0	0.5			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B2-U0-G2**

Type II Medium





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	570.4	570.4	570.4	570.4	570.4	570.4	570.4	570.4	570.4	570.4	570.4
2.5°	566.8	566.8	568.4	570.4	571.2	572.8	573.2	573.2	575.6	575.2	575.6
5°	565.1	565.1	568.0	571.6	575.6	580.5	585.3	588.1	594.2	595.4	595.8
7.5°	566.8	567.2	571.2	577.2	584.1	593.0	602.2	609.9	620.0	623.6	626.0
10°	572.8	573.2	578.4	586.9	597.4	610.3	623.6	635.7	651.8	659.1	660.3
12.5°	582.1	582.5	590.1	603.8	618.8	634.9	649.8	665.1	685.3	696.1	698.6
15°	596.2	595.0	607.1	627.2	648.2	668.3	681.6	696.6	717.9	732.0	735.7
17.5°	615.5	616.3	631.2	657.0	682.8	703.4	716.7	725.2	743.7	758.2	761.9
20°	639.7	643.3	662.3	692.1	722.3	744.1	753.4	752.2	762.7	775.2	778.0
22.5°	674.0	676.4	699.4	732.8	767.5	790.1	793.7	780.4	780.0	788.1	791.7
25°	714.3	716.3	740.5	779.2	815.9	839.7	836.0	813.0	801.0	801.4	803.8
27.5°	761.4	765.5	790.5	830.0	867.9	889.6	884.4	850.9	827.2	819.9	818.3
30°	822.7	827.2	852.5	890.4	923.9	943.2	935.2	892.9	857.4	845.3	842.9
32.5°	902.5	902.1	928.3	965.0	988.4	1000.9	985.2	937.2	892.5	876.3	873.1
35°	984.8	988.8	1014.6	1050.1	1067.8	1068.6	1043.6	989.6	936.4	908.6	902.5
37.5°	1077.5	1079.5	1109.3	1142.8	1154.5	1148.0	1110.9	1050.9	989.6	960.2	949.7
40°	1172.6	1174.6	1209.3	1241.5	1254.4	1239.1	1190.3	1118.6	1052.5	1020.2	1014.2
42.5°	1260.9	1266.1	1304.8	1342.7	1355.2	1337.5	1278.6	1192.8	1119.0	1088.0	1079.9
45°	1334.2	1339.9	1383.4	1431.8	1454.0	1439.5	1372.9	1276.2	1195.6	1162.1	1148.4
47.5°	1389.5	1396.7	1443.1	1501.1	1544.3	1541.4	1473.3	1364.5	1277.8	1238.3	1225.8
50°	1427.4	1435.0	1485.0	1547.5	1612.4	1634.2	1575.3	1462.0	1369.3	1325.0	1316.5
52.5°	1430.2	1437.0	1494.3	1572.1	1658.7	1706.7	1675.7	1564.8	1470.1	1424.1	1418.1
55°	1367.3	1372.1	1448.3	1551.9	1677.7	1762.3	1767.2	1676.9	1577.7	1531.4	1528.5
57.5°	1223.0	1229.8	1320.9	1458.0	1646.2	1798.2	1846.6	1794.2	1699.5	1655.9	1653.5
60°	988.0	996.9	1100.9	1283.1	1532.6	1788.9	1913.9	1904.2	1832.5	1790.2	1788.5
62.5°	697.0	700.2	808.6	1009.4	1310.1	1690.6	1946.6	2011.5	1970.3	1927.6	1930.0
65°	409.5	414.0	493.4	674.0	993.6	1464.4	1890.1	2086.0	2080.8	2041.7	2045.7
67.5°	216.5	216.5	256.4	368.4	624.8	1096.4	1665.6	2044.9	2113.4	2079.2	2081.2
70°	149.5	149.1	156.4	185.0	301.9	679.6	1246.0	1829.7	2046.9	2034.0	2039.3
72.5°	126.6	125.8	126.2	130.2	153.6	307.2	756.6	1409.2	1824.8	1844.6	1849.0
75°	110.9	109.6	108.8	108.0	110.0	139.5	345.1	869.5	1352.8	1476.9	1474.5
77.5°	95.5	94.7	93.9	91.1	87.9	91.5	141.1	391.0	695.7	821.1	812.2
80°	78.6	78.6	79.8	75.8	69.7	67.3	84.2	145.9	231.0	241.1	221.7
82.5°	61.7	61.7	67.7	62.1	54.8	48.8	58.4	77.8	93.9	76.2	62.1
85°	43.5	43.9	56.4	51.6	42.3	28.2	36.3	46.4	52.8	33.5	26.2
87.5°	17.7	18.9	35.1	27.8	26.6	14.1	16.9	20.6	26.2	14.1	11.3
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)