

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: P672802

Luminaire Tested: **CCP-SA-1F-727-U-RW**

Issue Date: 04/16/2023



**Test Information**

Test Method: LM-79-08  
Report Number: P672802  
Test Lab: INNOVATION CENTER(G2)  
Issue Date: 04/16/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: INVUE  
Catalog Number: CCP-SA-1F-727-U-RW  
Description: INVUE CLEAR CURVE POLE MOUNT LIGHT SQUARE LUMINAIRE @1200mA w/ RW distribution lens  
Light Source: (16) 2700K CCT, 70 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

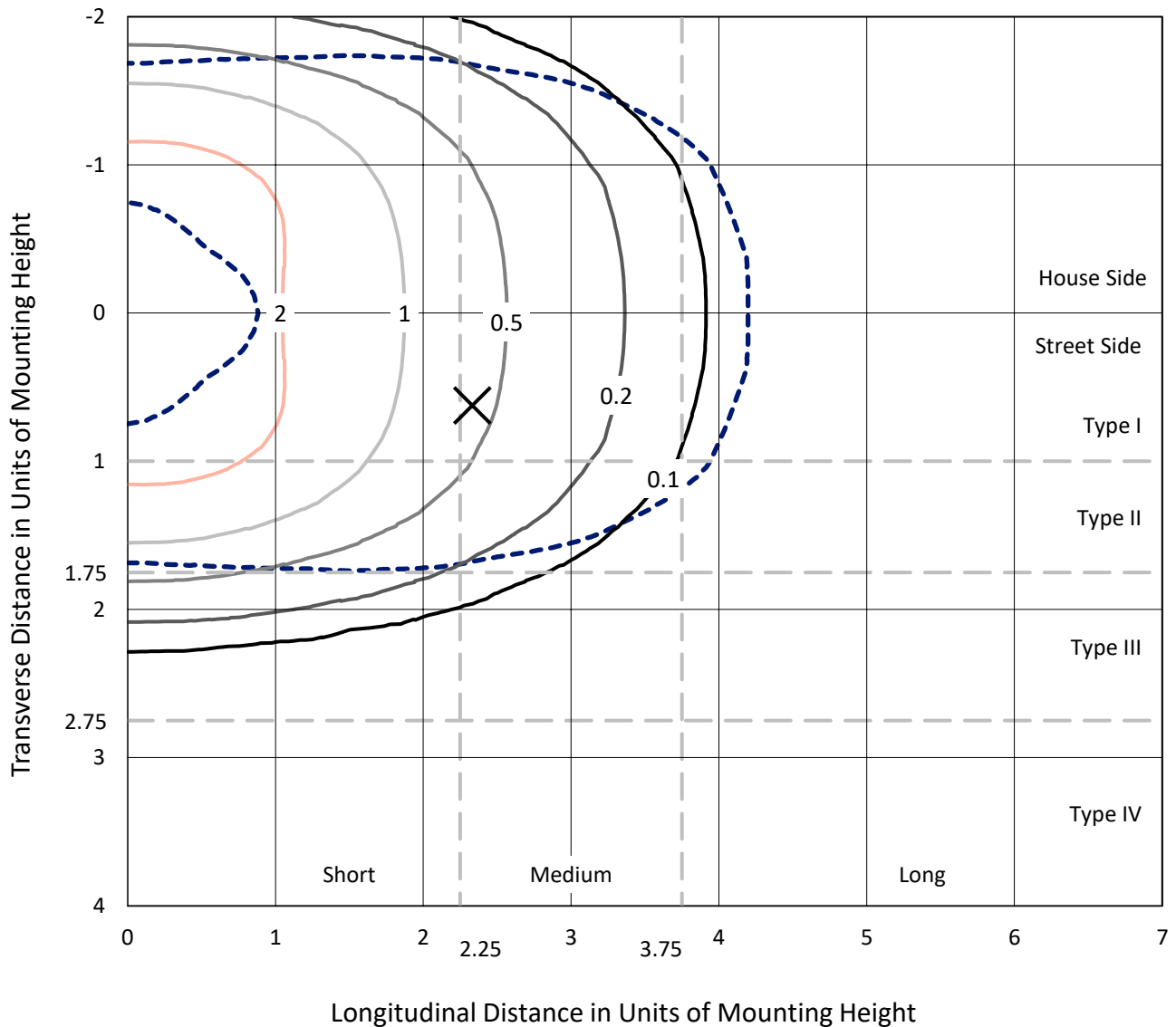
Lumens per Lamp: N/A  
Luminaire Lumens: 6378.4 lumens  
Efficiency: N/A  
Efficacy: 95.2 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')  
IES Classification: Type II - Medium  
BUG Rating: B3 - U0 - G3

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

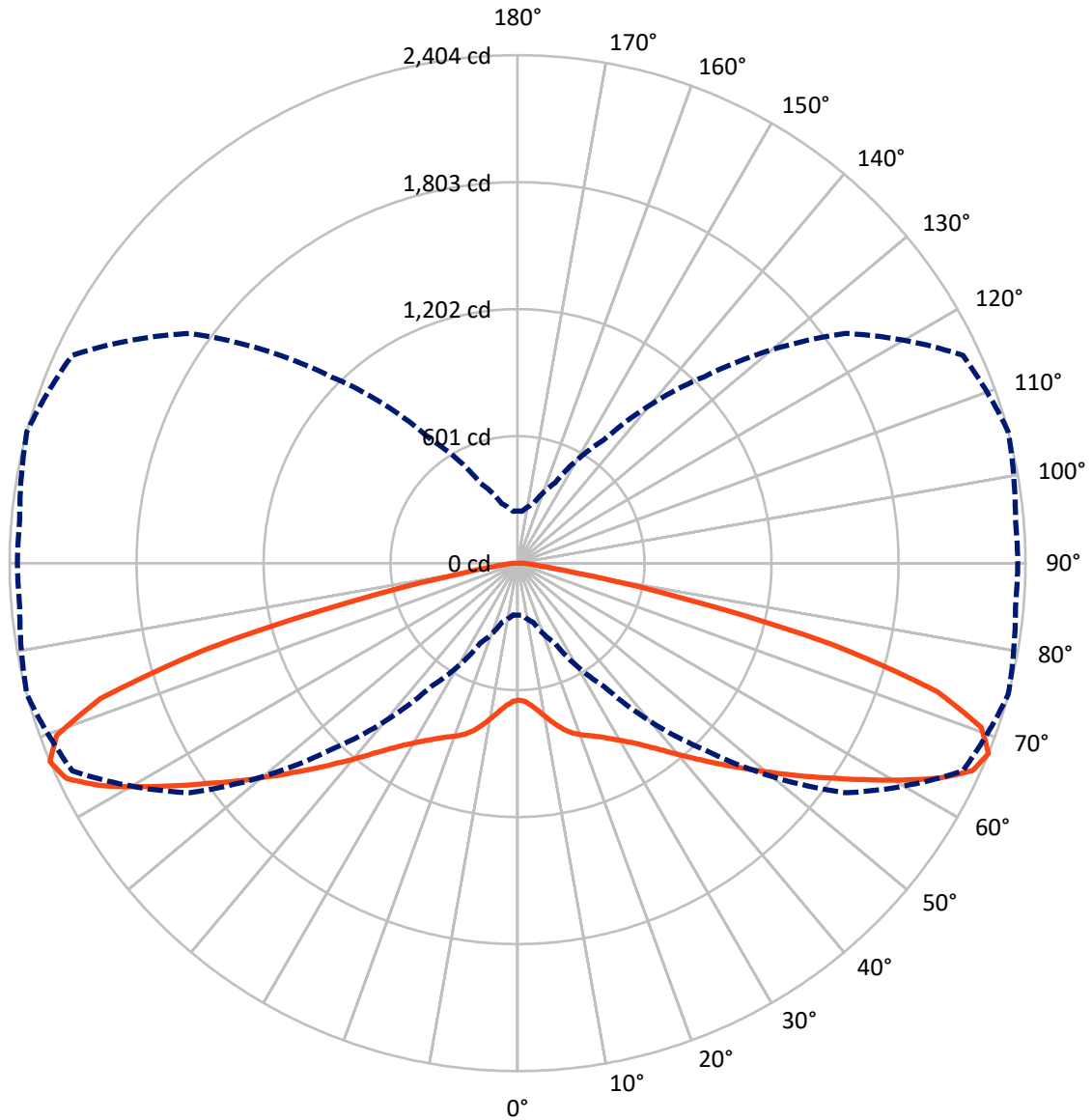
× Max cd  
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 3.3 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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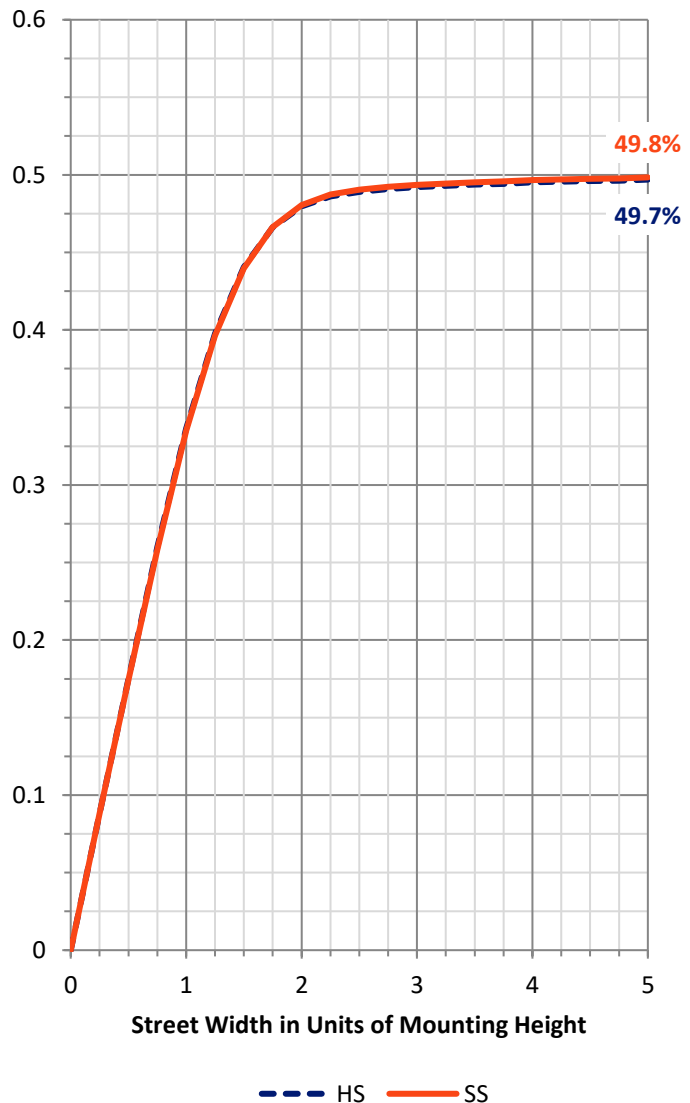
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	3189.2	0.0	3189.2
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	3189.2	0.0	3189.2
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	6378.4	0.0	6378.4
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	64.2	1.0
10°-20°	216.4	3.4
20°-30°	422.5	6.6
30°-40°	728.8	11.4
40°-50°	1180.6	18.5
50°-60°	1605.6	25.2
60°-70°	1481.3	23.2
70°-80°	619.8	9.7
80°-90°	59.2	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°	6378.4	100.0
0°-180°	6378.4	100.0



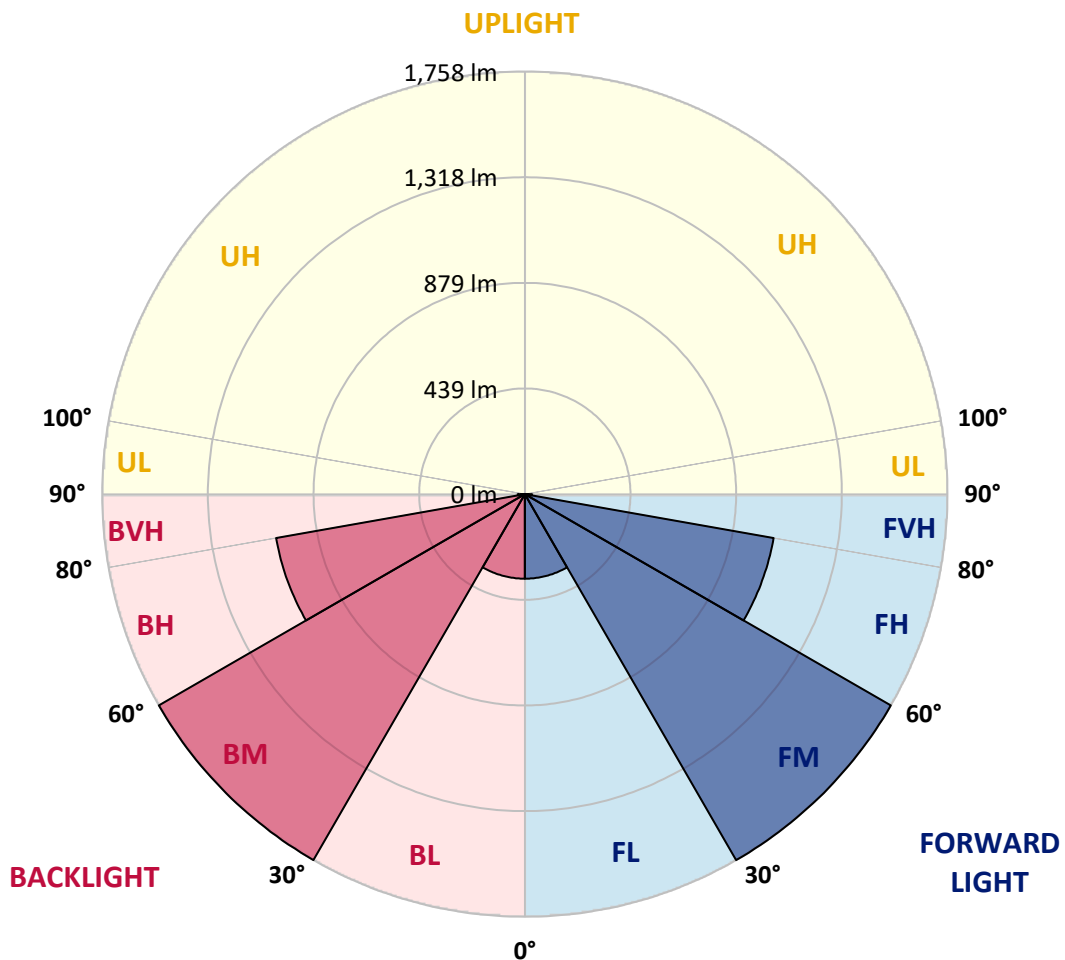
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	351.5	5.5			
FM (30°-60°)	1757.5	27.6			
FH (60°-80°)	1050.5	16.5			G1/1800
FVH (80°-90°)	29.6	0.5			G1/100
BL (0°-30°)	351.5	5.5	B1/500		
BM (30°-60°)	1757.5	27.6	B2/2500		
BH (60°-80°)	1050.5	16.5	B3/2500		G3/2500
BVH (80°-90°)	29.6	0.5			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B3-U0-G3**

Type II Medium





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	648.9	648.9	648.9	648.9	648.9	648.9	648.9	648.9	648.9	648.9	648.9
2.5°	644.8	644.8	646.6	648.9	649.8	651.7	652.1	652.1	654.9	654.4	654.9
5°	642.9	642.9	646.2	650.3	654.9	660.4	665.9	669.1	676.0	677.3	677.8
7.5°	644.8	645.2	649.8	656.7	664.5	674.6	685.1	693.8	705.3	709.4	712.2
10°	651.7	652.1	658.1	667.7	679.6	694.3	709.4	723.2	741.5	749.8	751.2
12.5°	662.2	662.7	671.4	687.0	703.9	722.3	739.2	756.7	779.6	792.0	794.7
15°	678.3	676.9	690.6	713.6	737.4	760.3	775.5	792.4	816.7	832.8	836.9
17.5°	700.3	701.2	718.2	747.5	776.9	800.2	815.4	825.0	846.1	862.6	866.7
20°	727.8	731.9	753.5	787.4	821.8	846.6	857.1	855.7	867.7	881.9	885.1
22.5°	766.8	769.5	795.7	833.7	873.2	898.8	903.0	887.8	887.4	896.5	900.7
25°	812.6	814.9	842.4	886.5	928.2	955.2	951.1	925.0	911.2	911.7	914.4
27.5°	866.3	870.9	899.3	944.2	987.3	1012.1	1006.1	968.1	941.0	932.8	930.9
30°	936.0	941.0	969.9	1013.0	1051.1	1073.1	1063.9	1015.8	975.4	961.7	958.9
32.5°	1026.8	1026.3	1056.1	1097.9	1124.5	1138.7	1120.8	1066.2	1015.3	997.0	993.3
35°	1120.3	1124.9	1154.3	1194.6	1214.8	1215.7	1187.3	1125.8	1065.3	1033.7	1026.8
37.5°	1225.8	1228.1	1262.0	1300.1	1313.4	1306.1	1263.9	1195.5	1125.8	1092.4	1080.4
40°	1334.0	1336.3	1375.8	1412.5	1427.1	1409.7	1354.2	1272.6	1197.4	1160.7	1153.8
42.5°	1434.5	1440.4	1484.5	1527.6	1541.8	1521.6	1454.6	1357.0	1273.0	1237.7	1228.6
45°	1517.9	1524.4	1573.9	1628.9	1654.1	1637.6	1562.0	1451.9	1360.2	1322.1	1306.5
47.5°	1580.8	1589.0	1641.8	1707.8	1756.9	1753.6	1676.1	1552.3	1453.7	1408.8	1394.6
50°	1623.9	1632.6	1689.4	1760.5	1834.4	1859.1	1792.2	1663.3	1557.8	1507.4	1497.8
52.5°	1627.1	1634.9	1700.0	1788.5	1887.1	1941.7	1906.4	1780.2	1672.5	1620.2	1613.3
55°	1555.5	1561.0	1647.7	1765.6	1908.7	2005.0	2010.5	1907.7	1794.9	1742.2	1739.0
57.5°	1391.4	1399.2	1502.8	1658.7	1872.9	2045.8	2100.8	2041.2	1933.4	1883.9	1881.1
60°	1124.0	1134.1	1252.4	1459.7	1743.6	2035.2	2177.4	2166.4	2084.8	2036.6	2034.8
62.5°	792.9	796.6	919.9	1148.3	1490.4	1923.3	2214.5	2288.4	2241.6	2193.0	2195.7
65°	465.9	471.0	561.3	766.8	1130.4	1666.1	2150.3	2373.2	2367.2	2322.8	2327.3
67.5°	246.3	246.3	291.7	419.2	710.8	1247.4	1894.9	2326.4	2404.4	2365.4	2367.7
70°	170.1	169.7	177.9	210.5	343.5	773.2	1417.5	2081.5	2328.7	2314.0	2320.0
72.5°	144.0	143.1	143.5	148.1	174.7	349.4	860.8	1603.2	2076.0	2098.5	2103.6
75°	126.1	124.7	123.8	122.9	125.2	158.7	392.6	989.2	1539.0	1680.3	1677.5
77.5°	108.7	107.8	106.9	103.6	100.0	104.1	160.5	444.8	791.5	934.1	924.1
80°	89.4	89.4	90.8	86.2	79.3	76.6	95.8	166.0	262.8	274.2	252.2
82.5°	70.2	70.2	77.0	70.6	62.4	55.5	66.5	88.5	106.9	86.7	70.6
85°	49.5	50.0	64.2	58.7	48.2	32.1	41.3	52.7	60.1	38.1	29.8
87.5°	20.2	21.6	39.9	31.6	30.3	16.1	19.3	23.4	29.8	16.1	12.8
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)