

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: P672867

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

Issue Date: 04/16/2023



**Test Information**

Test Method: LM-79-08  
Report Number: P672867  
Test Lab: INNOVATION CENTER(G2)  
Issue Date: 04/16/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: INVUE  
Catalog Number: CCP-SA-1E-827-U-RW  
Description: INVUE CLEAR CURVE POLE MOUNT LIGHT SQUARE LUMINAIRE @1050mA w/ RW distribution lens  
Light Source: (16) 2700K CCT, 80 CRI LEDs  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

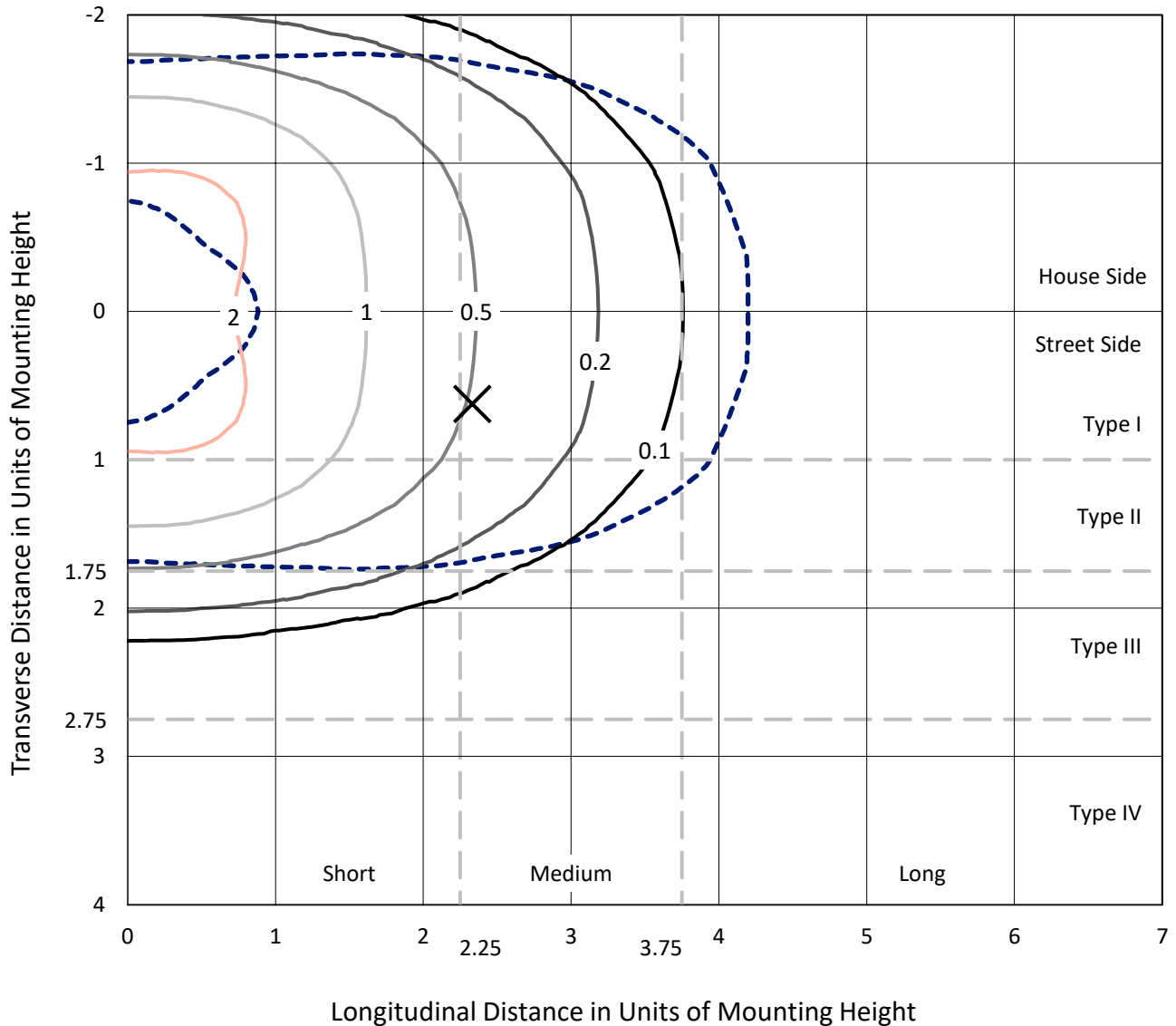
Lumens per Lamp: N/A  
Luminaire Lumens: 5112.5 lumens  
Efficiency: N/A  
Efficacy: 91.1 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')  
IES Classification: Type II - Medium  
BUG Rating: B2 - U0 - G2

Input Watts (W): 56.1  
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

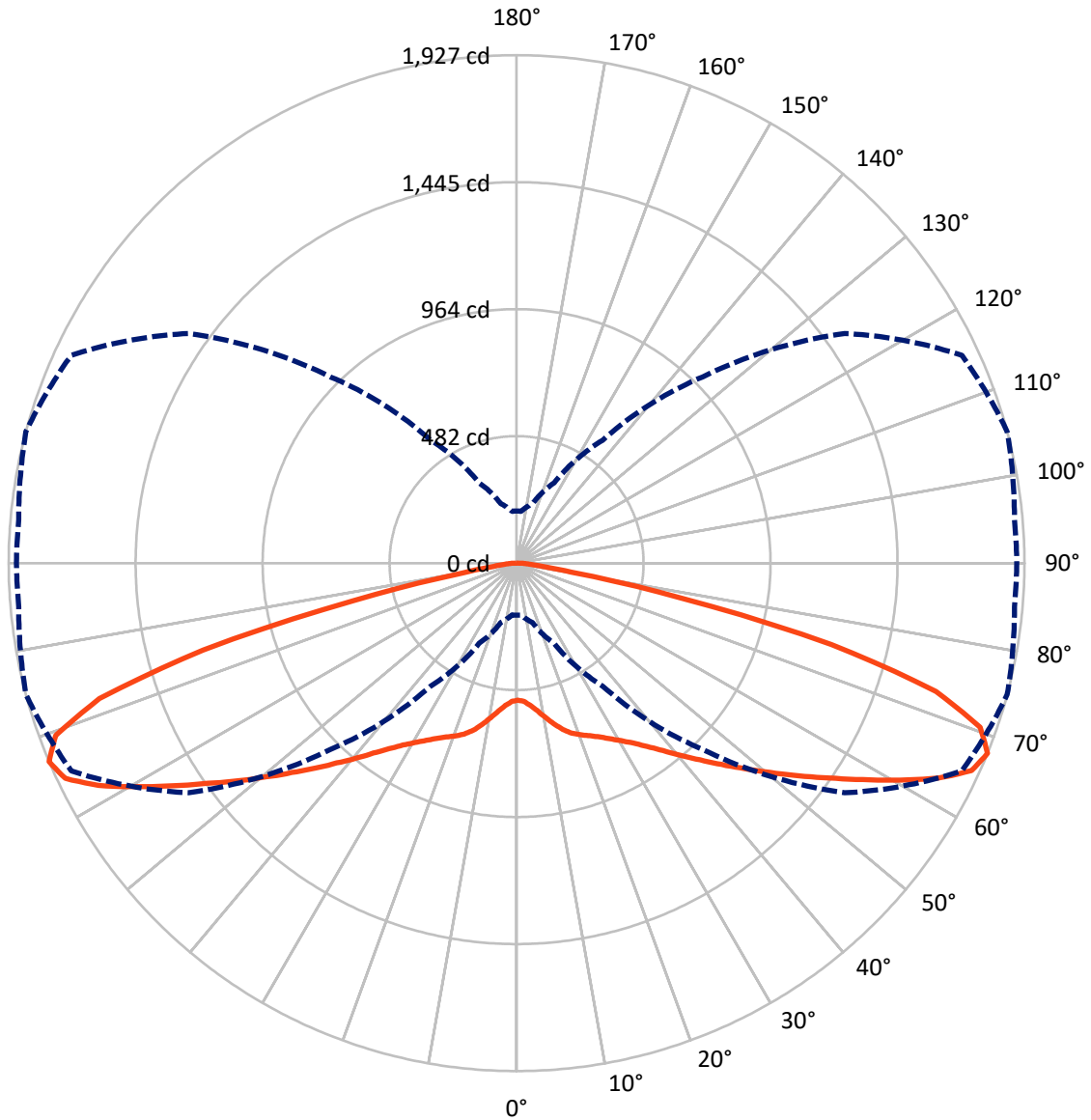
× Max cd  
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 2.7 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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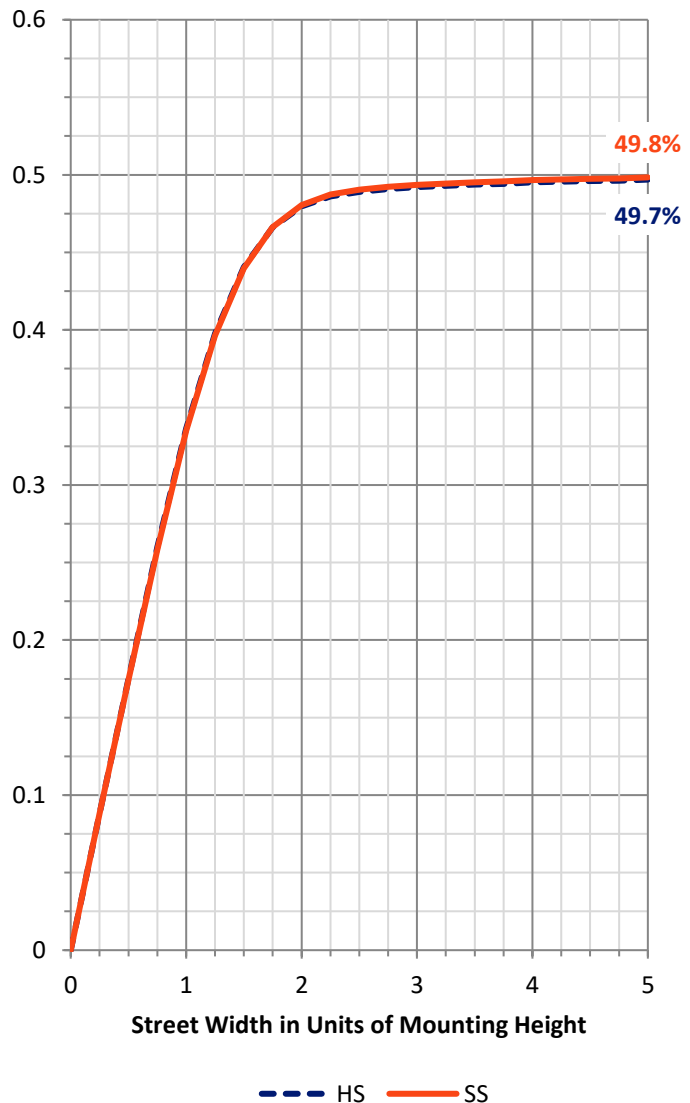
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	2556.3	0.0	2556.3
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	2556.3	0.0	2556.3
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	5112.5	0.0	5112.5
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	51.5	1.0
10°-20°	173.4	3.4
20°-30°	338.6	6.6
30°-40°	584.2	11.4
40°-50°	946.3	18.5
50°-60°	1287.0	25.2
60°-70°	1187.3	23.2
70°-80°	496.8	9.7
80°-90°	47.4	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°	5112.5	100.0
0°-180°	5112.5	100.0



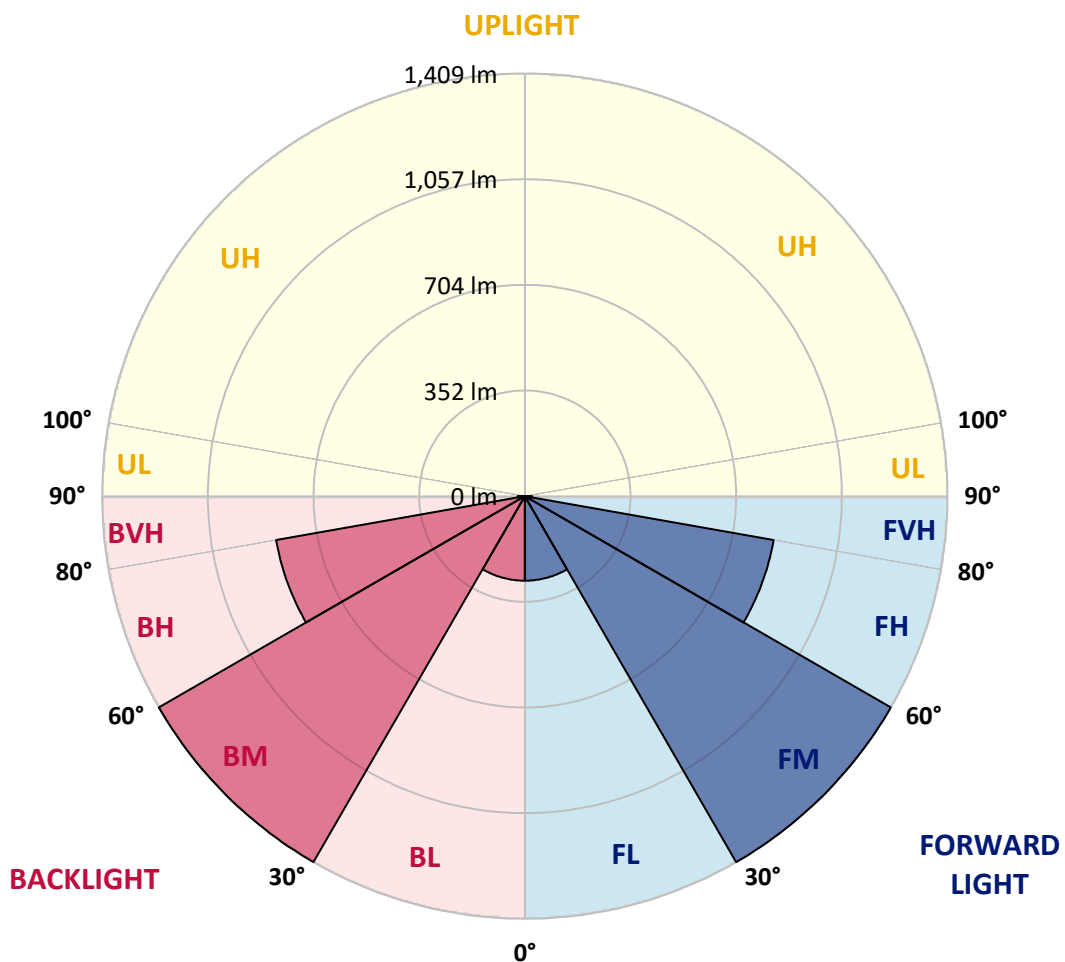
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	281.8	5.5			
FM (30°-60°)	1408.7	27.6			
FH (60°-80°)	842.0	16.5			G1/1800
FVH (80°-90°)	23.7	0.5			G1/100
BL (0°-30°)	281.8	5.5	B1/500		
BM (30°-60°)	1408.7	27.6	B2/2500		
BH (60°-80°)	842.0	16.5	B2/1000		G2/1000
BVH (80°-90°)	23.7	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°	520.1	520.1	520.1	520.1	520.1	520.1	520.1	520.1	520.1	520.1	520.1
2.5°	516.8	516.8	518.3	520.1	520.9	522.3	522.7	522.7	524.9	524.5	524.9
5°	515.3	515.3	517.9	521.2	524.9	529.3	533.7	536.3	541.8	542.9	543.3
7.5°	516.8	517.2	520.9	526.4	532.6	540.7	549.2	556.1	565.3	568.6	570.8
10°	522.3	522.7	527.5	535.2	544.8	556.5	568.6	579.7	594.4	601.0	602.1
12.5°	530.8	531.2	538.1	550.6	564.2	578.9	592.5	606.5	624.9	634.8	637.0
15°	543.6	542.5	553.6	572.0	591.1	609.4	621.6	635.2	654.7	667.5	670.8
17.5°	561.3	562.0	575.6	599.2	622.7	641.4	653.6	661.3	678.2	691.4	694.7
20°	583.3	586.7	603.9	631.1	658.7	678.5	687.0	685.9	695.5	706.9	709.4
22.5°	614.6	616.8	637.7	668.3	699.9	720.5	723.8	711.6	711.3	718.6	721.9
25°	651.3	653.2	675.2	710.5	744.0	765.7	762.4	741.4	730.4	730.7	733.0
27.5°	694.4	698.0	720.8	756.8	791.4	811.2	806.5	776.0	754.3	747.7	746.2
30°	750.2	754.3	777.4	812.0	842.5	860.1	852.8	814.2	781.8	770.8	768.6
32.5°	823.0	822.6	846.5	880.0	901.3	912.7	898.4	854.6	813.8	799.1	796.2
35°	898.0	901.7	925.2	957.5	973.7	974.5	951.7	902.4	853.9	828.5	823.0
37.5°	982.5	984.4	1011.6	1042.1	1052.7	1046.9	1013.0	958.3	902.4	875.6	866.0
40°	1069.3	1071.1	1102.7	1132.1	1143.9	1129.9	1085.5	1020.0	959.7	930.3	924.8
42.5°	1149.8	1154.6	1189.9	1224.4	1235.8	1219.6	1166.0	1087.7	1020.4	992.1	984.7
45°	1216.7	1221.8	1261.5	1305.6	1325.9	1312.6	1252.0	1163.8	1090.2	1059.7	1047.2
47.5°	1267.0	1273.7	1315.9	1368.9	1408.2	1405.6	1343.5	1244.3	1165.2	1129.2	1117.8
50°	1301.6	1308.6	1354.2	1411.1	1470.3	1490.2	1436.5	1333.2	1248.7	1208.2	1200.5
52.5°	1304.2	1310.4	1362.6	1433.6	1512.6	1556.3	1528.0	1426.9	1340.6	1298.7	1293.1
55°	1246.8	1251.2	1320.7	1415.2	1529.9	1607.1	1611.5	1529.1	1438.7	1396.4	1393.9
57.5°	1115.2	1121.5	1204.6	1329.5	1501.2	1639.8	1683.9	1636.1	1549.7	1510.0	1507.8
60°	900.9	909.0	1003.9	1170.0	1397.5	1631.3	1745.3	1736.4	1671.0	1632.4	1630.9
62.5°	635.5	638.5	737.4	920.4	1194.6	1541.6	1775.0	1834.2	1796.7	1757.8	1760.0
65°	373.5	377.5	449.9	614.6	906.1	1335.4	1723.6	1902.2	1897.4	1861.8	1865.5
67.5°	197.4	197.4	233.8	336.0	569.7	999.8	1518.8	1864.7	1927.2	1896.0	1897.8
70°	136.4	136.0	142.6	168.7	275.3	619.7	1136.2	1668.4	1866.6	1854.8	1859.6
72.5°	115.4	114.7	115.1	118.7	140.0	280.1	689.9	1285.1	1664.0	1682.0	1686.1
75°	101.1	100.0	99.2	98.5	100.3	127.2	314.6	792.9	1233.6	1346.8	1344.6
77.5°	87.1	86.4	85.6	83.1	80.1	83.4	128.7	356.6	634.4	748.8	740.7
80°	71.7	71.7	72.8	69.1	63.6	61.4	76.8	133.1	210.6	219.8	202.2
82.5°	56.2	56.2	61.8	56.6	50.0	44.5	53.3	70.9	85.6	69.5	56.6
85°	39.7	40.1	51.5	47.1	38.6	25.7	33.1	42.3	48.2	30.5	23.9
87.5°	16.2	17.3	32.0	25.4	24.3	12.9	15.4	18.7	23.9	12.9	10.3
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)