

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: P672870

Luminaire Tested: **CCP-SA-2B-827-U-RW**

Issue Date: 04/16/2023



**Test Information**

Test Method: LM-79-08  
Report Number: P672870  
Test Lab: INNOVATION CENTER(G2)  
Issue Date: 04/16/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: INVUE  
Catalog Number: CCP-SA-2B-827-U-RW  
Description: INVUE CLEAR CURVE POLE MOUNT LIGHT SQUARE LUMINAIRE @450mA w/ RW distribution lens  
Light Source: (32) 2700K CCT, 80 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

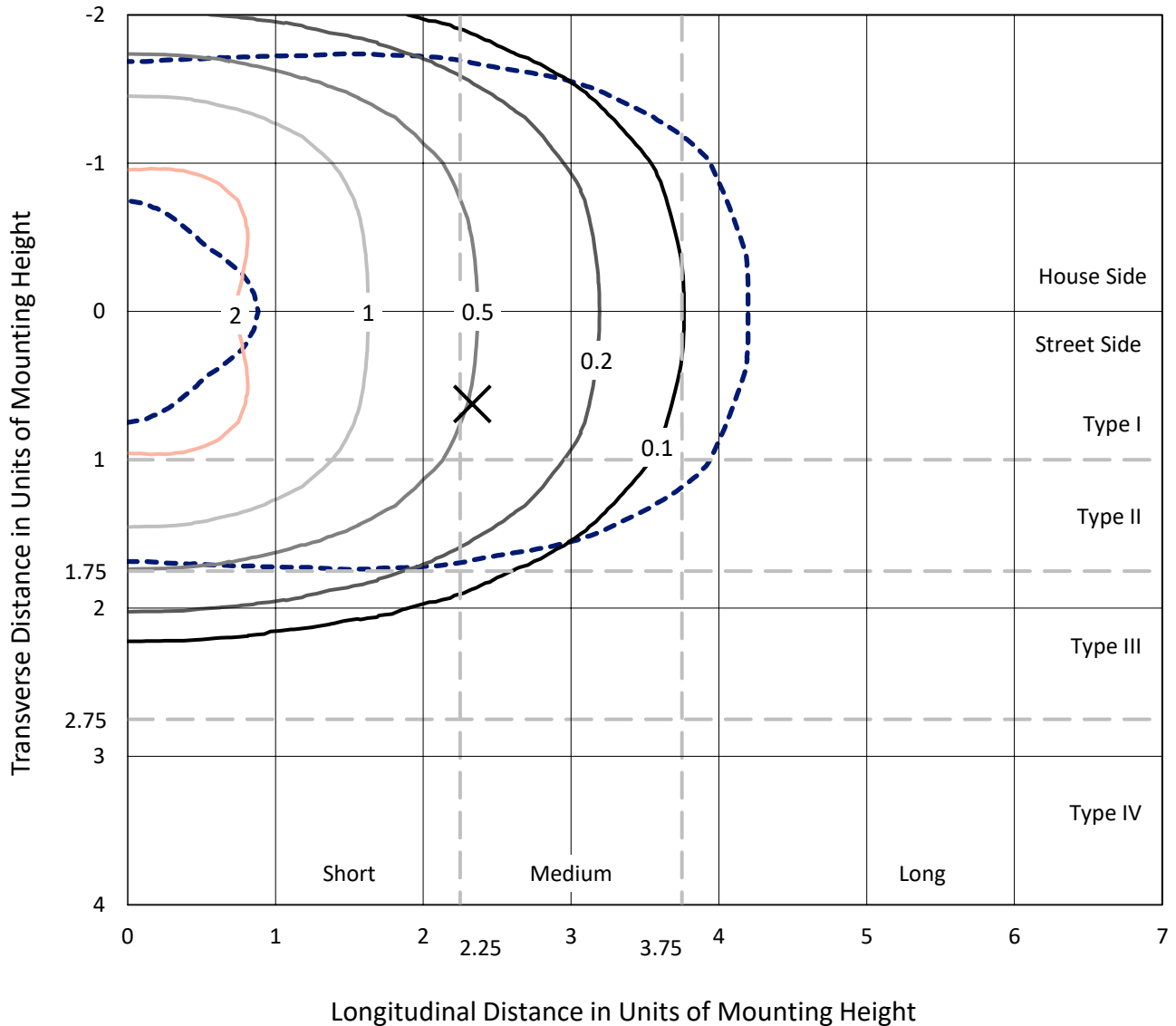
Lumens per Lamp: N/A  
Luminaire Lumens: 5164.3 lumens  
Efficiency: N/A  
Efficacy: 112.3 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')  
IES Classification: Type II - Medium  
BUG Rating: B2 - U0 - G2

Input Watts (W): 46  
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

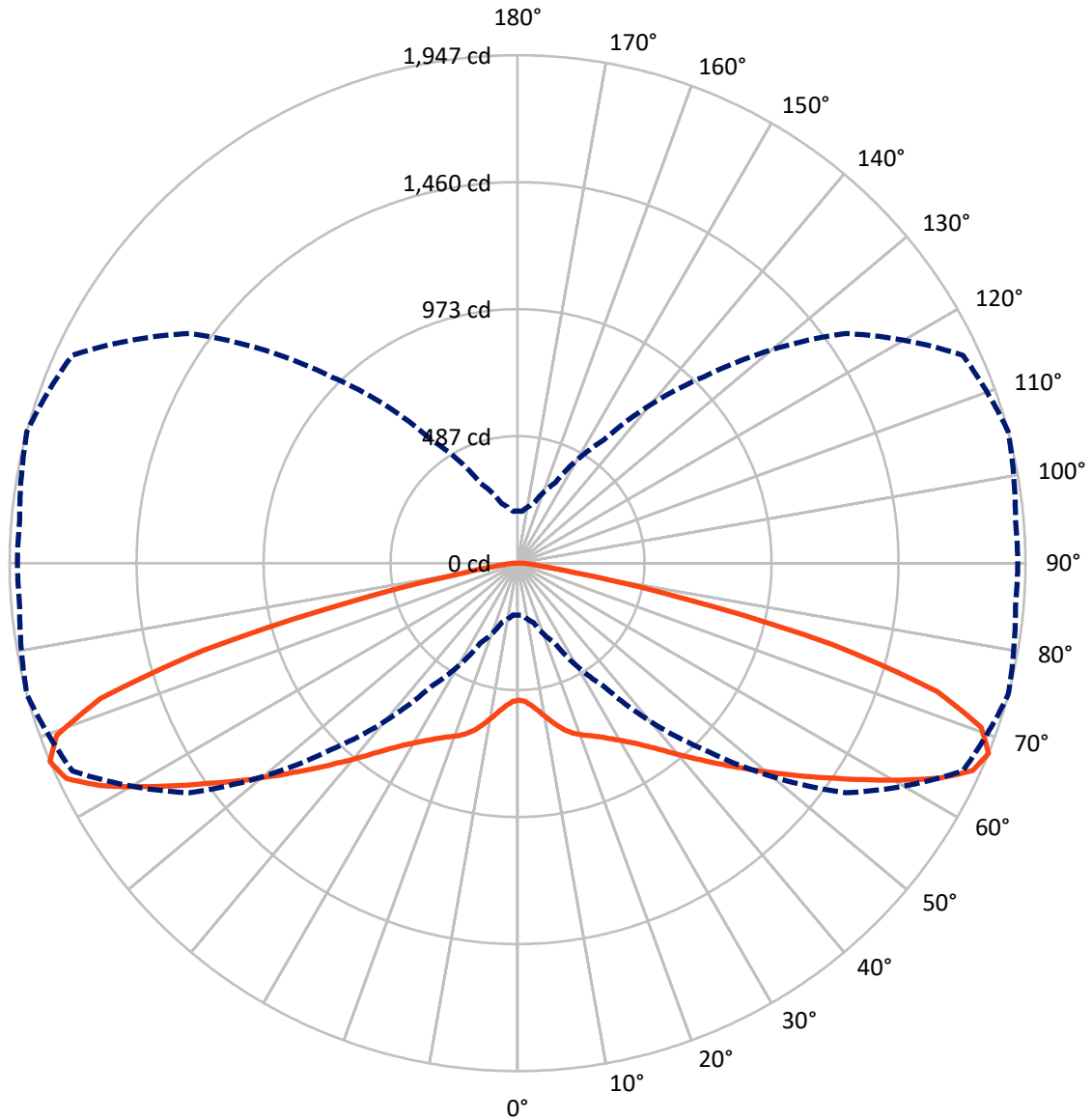
× Max cd  
 - - - 1/2 Max cd



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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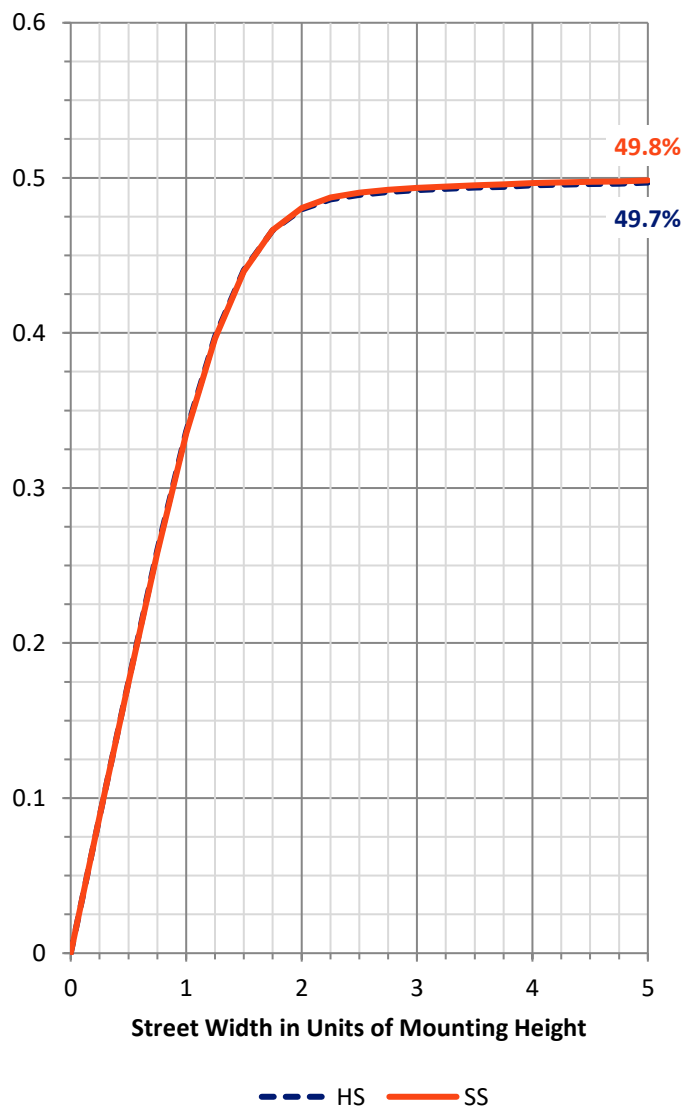
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	2582.1	0.0	2582.1
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	2582.1	0.0	2582.1
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	5164.3	0.0	5164.3
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	52.0	1.0
10°-20°	175.2	3.4
20°-30°	342.1	6.6
30°-40°	590.1	11.4
40°-50°	955.9	18.5
50°-60°	1300.0	25.2
60°-70°	1199.3	23.2
70°-80°	501.8	9.7
80°-90°	47.9	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°	5164.3	100.0
0°-180°	5164.3	100.0



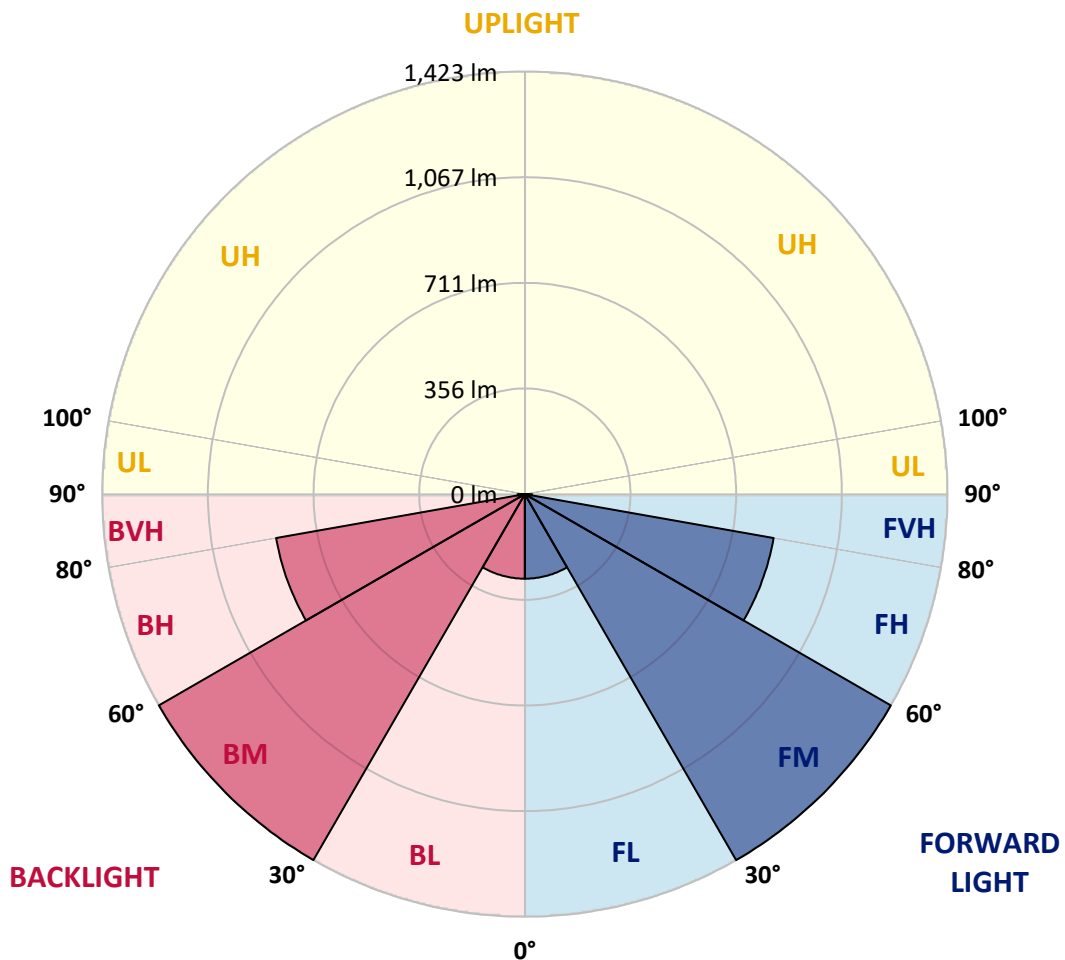
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	284.6	5.5			
FM (30°-60°)	1423.0	27.6			
FH (60°-80°)	850.6	16.5			G1/1800
FVH (80°-90°)	24.0	0.5			G1/100
BL (0°-30°)	284.6	5.5	B1/500		
BM (30°-60°)	1423.0	27.6	B2/2500		
BH (60°-80°)	850.6	16.5	B2/1000		G2/1000
BVH (80°-90°)	24.0	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°	525.4	525.4	525.4	525.4	525.4	525.4	525.4	525.4	525.4	525.4	525.4
2.5°	522.0	522.0	523.5	525.4	526.1	527.6	528.0	528.0	530.2	529.8	530.2
5°	520.6	520.6	523.2	526.5	530.2	534.7	539.1	541.7	547.3	548.4	548.8
7.5°	522.0	522.4	526.1	531.7	538.0	546.2	554.7	561.8	571.1	574.4	576.6
10°	527.6	528.0	532.8	540.6	550.3	562.1	574.4	585.5	600.4	607.1	608.2
12.5°	536.2	536.5	543.6	556.2	569.9	584.8	598.5	612.6	631.2	641.2	643.5
15°	549.1	548.0	559.2	577.7	597.0	615.6	627.9	641.6	661.3	674.3	677.6
17.5°	567.0	567.7	581.5	605.2	629.0	647.9	660.2	668.0	685.0	698.4	701.8
20°	589.2	592.6	610.0	637.5	665.4	685.4	694.0	692.8	702.5	714.0	716.6
22.5°	620.8	623.0	644.2	675.0	706.9	727.7	731.1	718.8	718.5	725.9	729.2
25°	657.9	659.8	682.1	717.7	751.5	773.4	770.1	748.9	737.8	738.1	740.4
27.5°	701.4	705.1	728.1	764.5	799.4	819.5	814.6	783.8	761.9	755.2	753.7
30°	757.8	761.9	785.3	820.2	851.0	868.8	861.4	822.4	789.7	778.6	776.4
32.5°	831.3	831.0	855.1	888.9	910.4	921.9	907.5	863.3	822.1	807.2	804.2
35°	907.1	910.8	934.6	967.2	983.6	984.3	961.3	911.5	862.5	836.9	831.3
37.5°	992.5	994.3	1021.8	1052.6	1063.4	1057.5	1023.3	968.0	911.5	884.4	874.8
40°	1080.1	1082.0	1113.9	1143.6	1155.5	1141.4	1096.4	1030.3	969.5	939.8	934.2
42.5°	1161.4	1166.2	1201.9	1236.8	1248.3	1232.0	1177.8	1098.7	1030.7	1002.1	994.7
45°	1229.0	1234.2	1274.3	1318.8	1339.3	1325.9	1264.6	1175.5	1101.3	1070.4	1057.8
47.5°	1279.9	1286.5	1329.2	1382.7	1422.4	1419.8	1357.1	1256.8	1177.0	1140.6	1129.1
50°	1314.8	1321.8	1367.9	1425.4	1485.2	1505.2	1451.0	1346.7	1261.3	1220.5	1212.7
52.5°	1317.4	1323.7	1376.4	1448.1	1527.9	1572.1	1543.5	1441.4	1354.1	1311.8	1306.2
55°	1259.4	1263.9	1334.1	1429.5	1545.3	1623.3	1627.8	1544.6	1453.3	1410.6	1408.0
57.5°	1126.5	1132.8	1216.7	1343.0	1516.4	1656.4	1700.9	1652.6	1565.4	1525.3	1523.1
60°	910.0	918.2	1014.0	1181.8	1411.7	1647.8	1762.9	1754.0	1687.9	1648.9	1647.4
62.5°	642.0	644.9	744.8	929.7	1206.7	1557.2	1793.0	1852.8	1814.9	1775.5	1777.8
65°	377.2	381.3	454.5	620.8	915.2	1348.9	1741.0	1921.5	1916.6	1880.6	1884.3
67.5°	199.4	199.4	236.1	339.4	575.5	1009.9	1534.2	1883.6	1946.7	1915.2	1917.0
70°	137.8	137.4	144.1	170.4	278.1	626.0	1147.7	1685.3	1885.4	1873.6	1878.4
72.5°	116.6	115.8	116.2	119.9	141.5	282.9	696.9	1298.1	1680.9	1699.1	1703.1
75°	102.1	101.0	100.3	99.5	101.4	128.5	317.8	800.9	1246.1	1360.4	1358.2
77.5°	88.0	87.3	86.5	83.9	80.9	84.3	130.0	360.2	640.9	756.3	748.2
80°	72.4	72.4	73.5	69.8	64.2	62.0	77.6	134.4	212.8	222.0	204.2
82.5°	56.8	56.8	62.4	57.2	50.5	44.9	53.8	71.7	86.5	70.2	57.2
85°	40.1	40.5	52.0	47.5	39.0	26.0	33.4	42.7	48.6	30.8	24.1
87.5°	16.3	17.5	32.3	25.6	24.5	13.0	15.6	18.9	24.1	13.0	10.4
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)