

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: P672866

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

Issue Date: 04/16/2023



**Test Information**

Test Method: LM-79-08  
Report Number: P672866  
Test Lab: INNOVATION CENTER(G2)  
Issue Date: 04/16/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: INVUE  
Catalog Number: CCP-SA-1D-827-U-RW  
Description: INVUE CLEAR CURVE POLE MOUNT LIGHT SQUARE LUMINAIRE @800mA w/ RW distribution lens  
Light Source: (16) 2700K CCT, 80 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

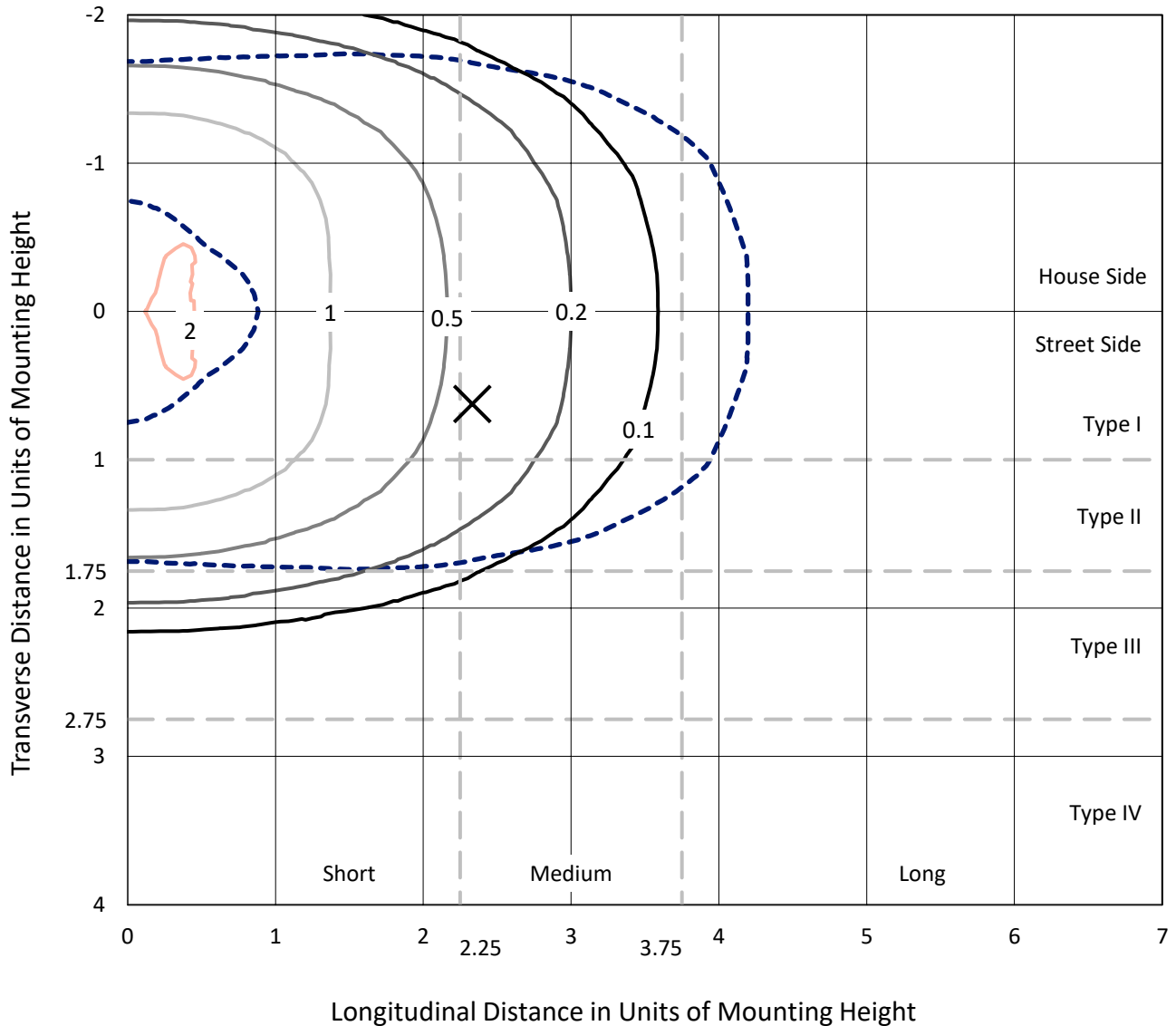
Lumens per Lamp: N/A  
Luminaire Lumens: 4170.2 lumens  
Efficiency: N/A  
Efficacy: 94.8 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')  
IES Classification: Type II - Medium  
BUG Rating: B2 - U0 - G2

Input Watts (W): 44  
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

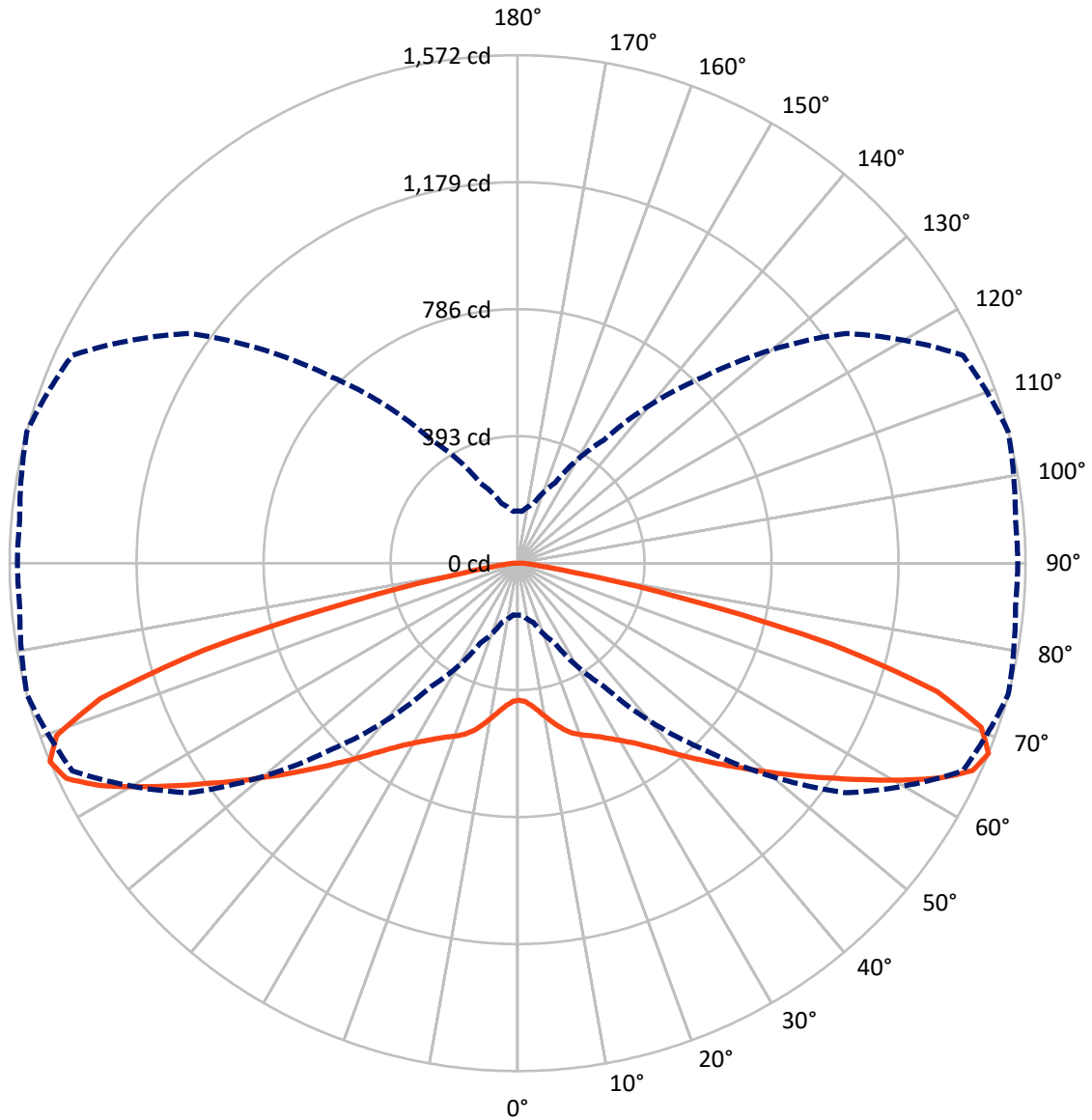
× Max cd  
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 2.2 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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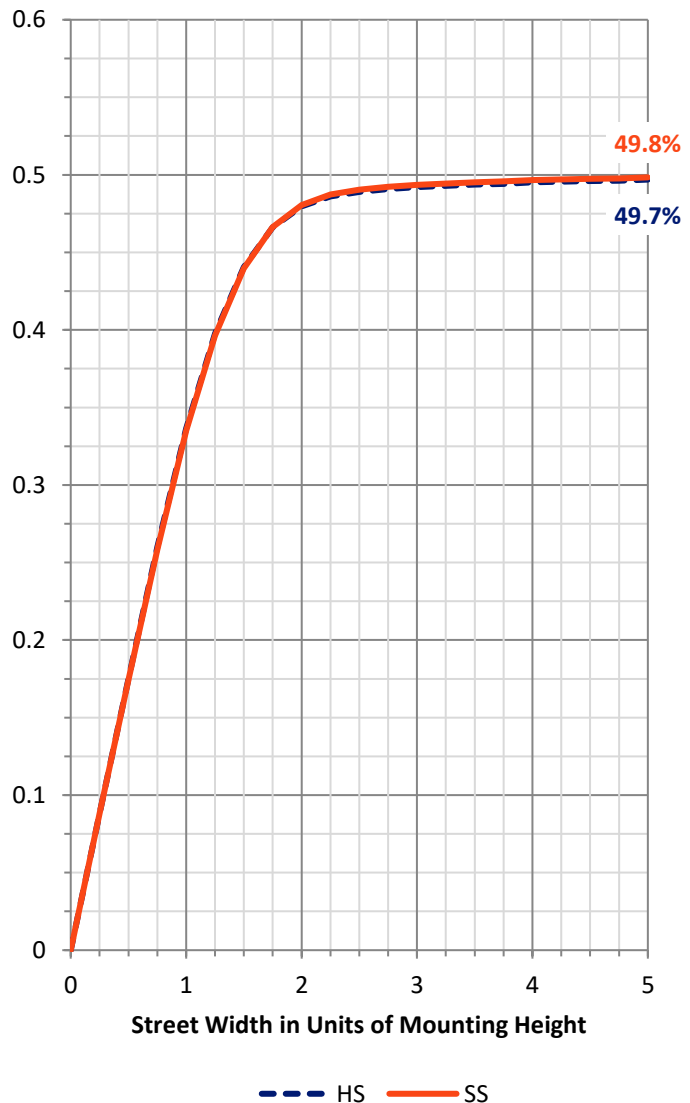
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	2085.1	0.0	2085.1
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	2085.1	0.0	2085.1
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	4170.2	0.0	4170.2
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	42.0	1.0
10°-20°	141.5	3.4
20°-30°	276.2	6.6
30°-40°	476.5	11.4
40°-50°	771.9	18.5
50°-60°	1049.8	25.2
60°-70°	968.5	23.2
70°-80°	405.2	9.7
80°-90°	38.7	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°	4170.2	100.0
0°-180°	4170.2	100.0



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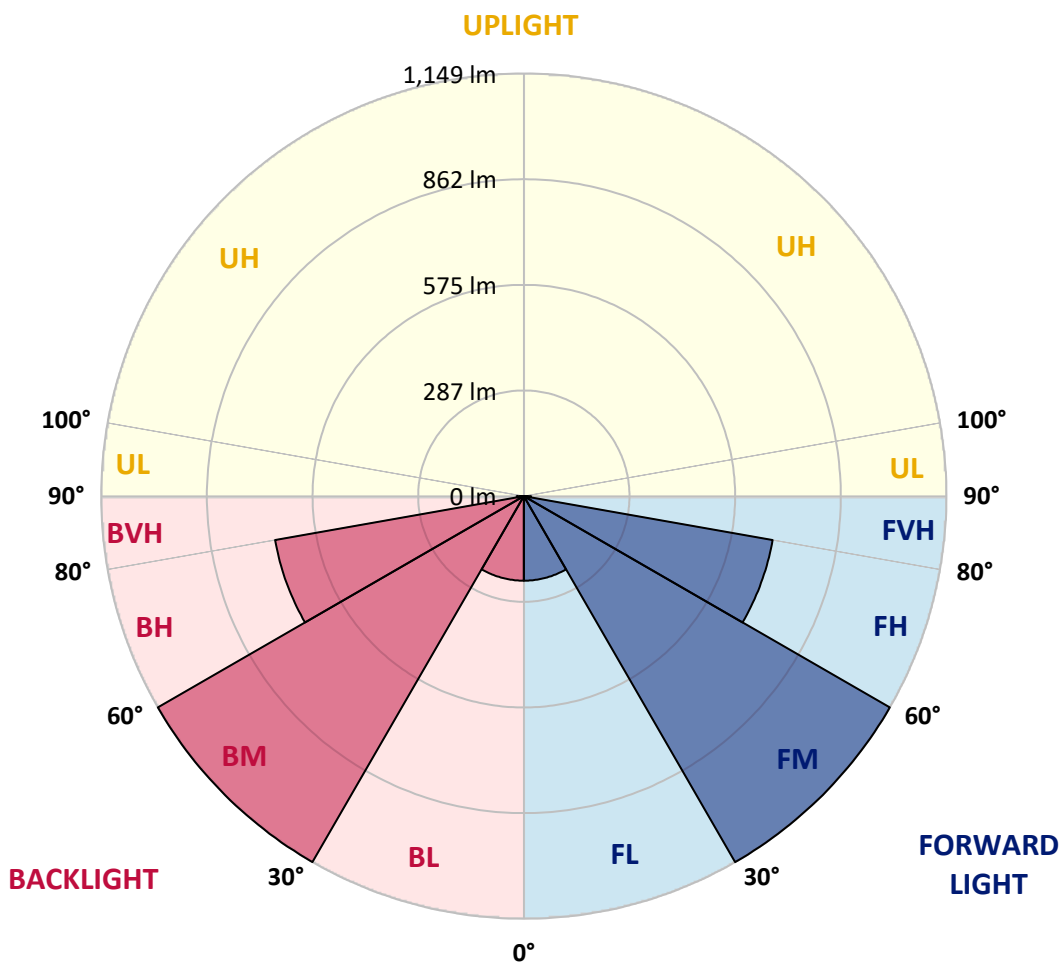
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	229.8	5.5			
FM (30°-60°)	1149.1	27.6			
FH (60°-80°)	686.8	16.5			G1/1800
FVH (80°-90°)	19.4	0.5			G1/100
BL (0°-30°)	229.8	5.5	B1/500		
BM (30°-60°)	1149.1	27.6	B2/2500		
BH (60°-80°)	686.8	16.5	B2/1000		G2/1000
BVH (80°-90°)	19.4	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°	424.3	424.3	424.3	424.3	424.3	424.3	424.3	424.3	424.3	424.3	424.3
2.5°	421.6	421.6	422.8	424.3	424.9	426.1	426.4	426.4	428.2	427.9	428.2
5°	420.4	420.4	422.5	425.2	428.2	431.8	435.4	437.5	441.9	442.8	443.1
7.5°	421.6	421.9	424.9	429.4	434.5	441.0	447.9	453.6	461.1	463.8	465.6
10°	426.1	426.4	430.3	436.6	444.3	453.9	463.8	472.8	484.8	490.2	491.1
12.5°	433.0	433.3	439.0	449.1	460.2	472.2	483.3	494.7	509.7	517.8	519.6
15°	443.4	442.5	451.5	466.5	482.1	497.1	507.0	518.1	534.0	544.5	547.2
17.5°	457.8	458.4	469.5	488.7	507.9	523.2	533.1	539.4	553.2	564.0	566.7
20°	475.8	478.5	492.6	514.8	537.3	553.5	560.4	559.5	567.3	576.6	578.7
22.5°	501.3	503.1	520.2	545.1	570.9	587.7	590.4	580.5	580.2	586.2	588.9
25°	531.3	532.8	550.8	579.6	606.9	624.5	621.8	604.8	595.8	596.1	597.9
27.5°	566.4	569.4	588.0	617.3	645.5	661.7	657.8	632.9	615.3	609.9	608.7
30°	612.0	615.3	634.1	662.3	687.2	701.6	695.6	664.1	637.7	628.7	626.9
32.5°	671.3	671.0	690.5	717.8	735.2	744.5	732.8	697.1	663.8	651.8	649.4
35°	732.5	735.5	754.7	781.1	794.2	794.8	776.3	736.1	696.5	675.8	671.3
37.5°	801.4	802.9	825.1	850.0	858.7	853.9	826.3	781.7	736.1	714.2	706.4
40°	872.2	873.7	899.5	923.5	933.1	921.7	885.4	832.0	782.9	758.9	754.4
42.5°	937.9	941.8	970.5	998.7	1008.0	994.8	951.1	887.2	832.3	809.2	803.2
45°	992.4	996.6	1029.0	1065.0	1081.5	1070.7	1021.2	949.3	889.3	864.4	854.2
47.5°	1033.5	1038.9	1073.4	1116.6	1148.6	1146.5	1095.9	1014.9	950.5	921.1	911.8
50°	1061.7	1067.4	1104.6	1151.0	1199.3	1215.5	1171.7	1087.5	1018.5	985.5	979.2
52.5°	1063.8	1068.9	1111.5	1169.3	1233.8	1269.5	1246.4	1163.9	1093.5	1059.3	1054.8
55°	1017.0	1020.6	1077.3	1154.3	1247.9	1310.9	1314.5	1247.3	1173.5	1139.1	1137.0
57.5°	909.7	914.8	982.5	1084.5	1224.5	1337.5	1373.5	1334.5	1264.1	1231.7	1229.9
60°	734.9	741.5	818.8	954.4	1140.0	1330.6	1423.6	1416.4	1363.0	1331.5	1330.3
62.5°	518.4	520.8	601.5	750.8	974.4	1257.5	1447.9	1496.1	1465.6	1433.8	1435.6
65°	304.6	307.9	367.0	501.3	739.1	1089.3	1405.9	1551.6	1547.7	1518.6	1521.6
67.5°	161.0	161.0	190.7	274.0	464.7	815.5	1238.9	1521.0	1572.0	1546.5	1548.0
70°	111.2	110.9	116.3	137.6	224.6	505.5	926.8	1360.9	1522.5	1512.9	1516.8
72.5°	94.1	93.5	93.8	96.8	114.2	228.5	562.8	1048.2	1357.3	1372.0	1375.3
75°	82.5	81.6	81.0	80.4	81.9	103.7	256.7	646.7	1006.2	1098.6	1096.8
77.5°	71.1	70.5	69.9	67.8	65.4	68.1	104.9	290.8	517.5	610.8	604.2
80°	58.5	58.5	59.4	56.4	51.9	50.1	62.7	108.5	171.8	179.3	164.9
82.5°	45.9	45.9	50.4	46.2	40.8	36.3	43.5	57.9	69.9	56.7	46.2
85°	32.4	32.7	42.0	38.4	31.5	21.0	27.0	34.5	39.3	24.9	19.5
87.5°	13.2	14.1	26.1	20.7	19.8	10.5	12.6	15.3	19.5	10.5	8.4
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)