

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: P672578

Luminaire Tested: **CCP-SA-1D-827-U-5MQ**

Issue Date: 04/16/2023



Test Information

Test Method: LM-79-08
Report Number: P672578
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-5MQ
Description: INVUE CLEAR CURVE POLE MOUNT LIGHT SQUARE LUMINAIRE @800mA w/ 5MQ distribution lens
Light Source: (16) 2700K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

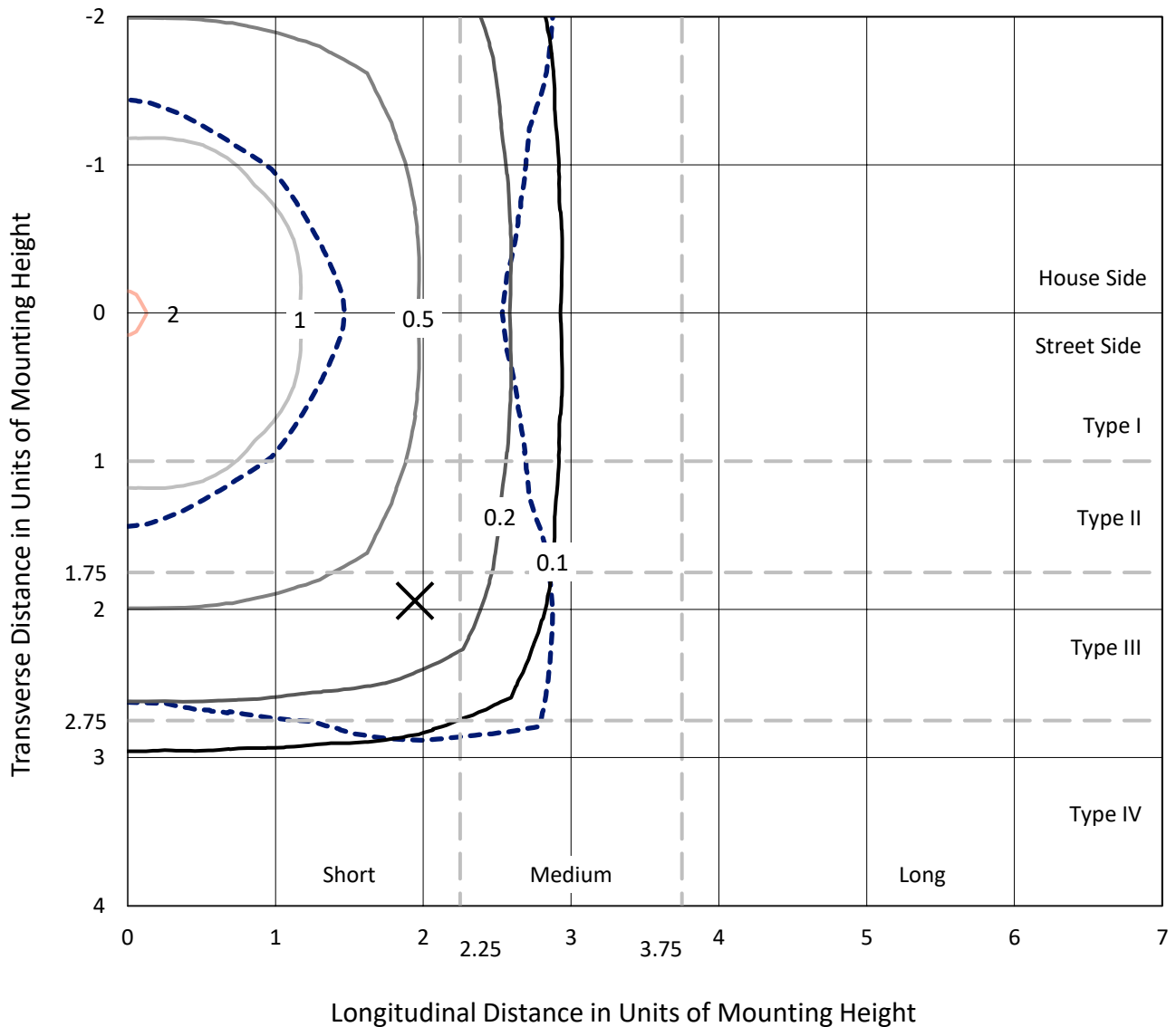
Lumens per Lamp: N/A
Luminaire Lumens: 4231.8 lumens
Efficiency: N/A
Efficacy: 96.2 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B2 - U0 - G1

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

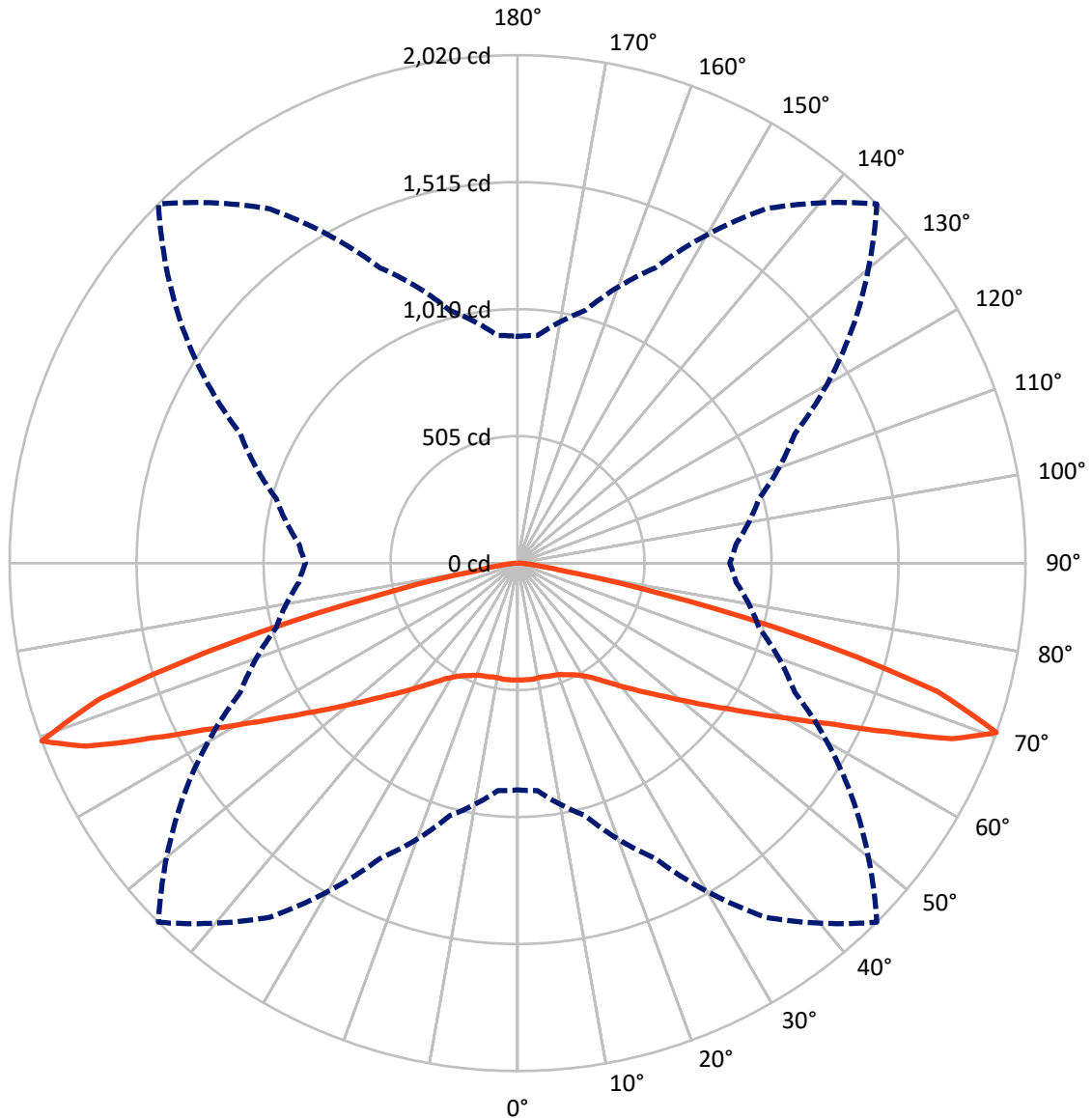
× Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 2.1 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 70-Deg Vertical

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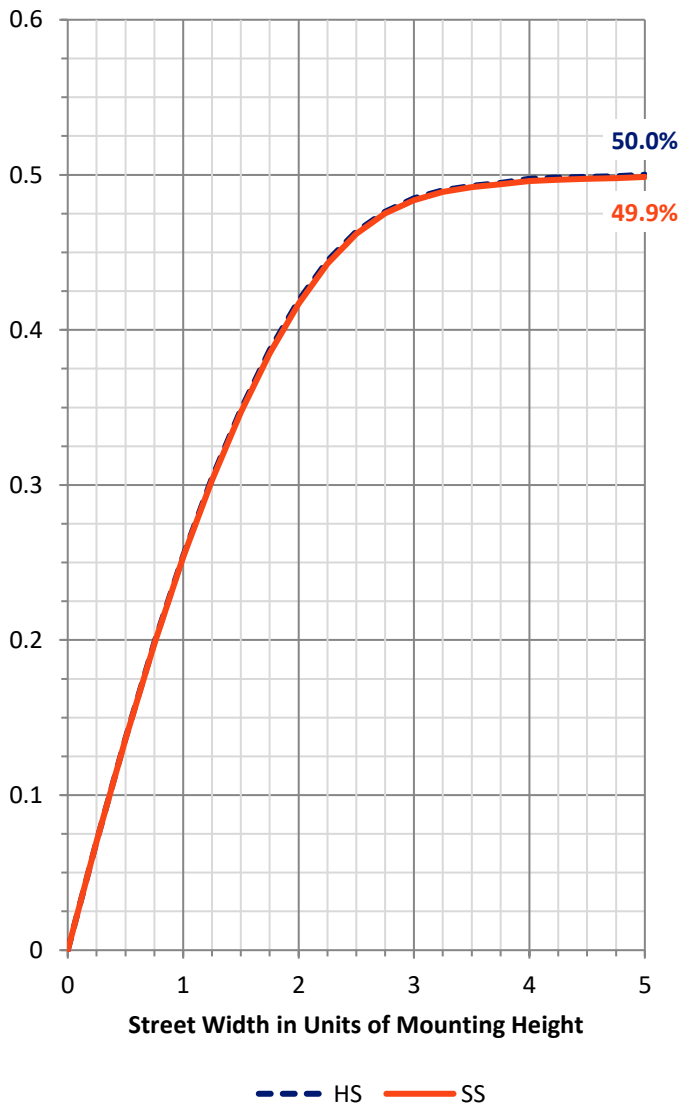
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2115.9	0.0	2115.9
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	2115.9	0.0	2115.9
	% Fixture	50.0	0.0	50.0
Total	Lumens	4231.8	0.0	4231.8
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	44.3	1.0
10°-20°	131.0	3.1
20°-30°	223.7	5.3
30°-40°	357.0	8.4
40°-50°	576.1	13.6
50°-60°	922.5	21.8
60°-70°	1350.5	31.9
70°-80°	594.0	14.0
80°-90°	32.6	0.8
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°	4231.8	100.0
0°-180°	4231.8	100.0

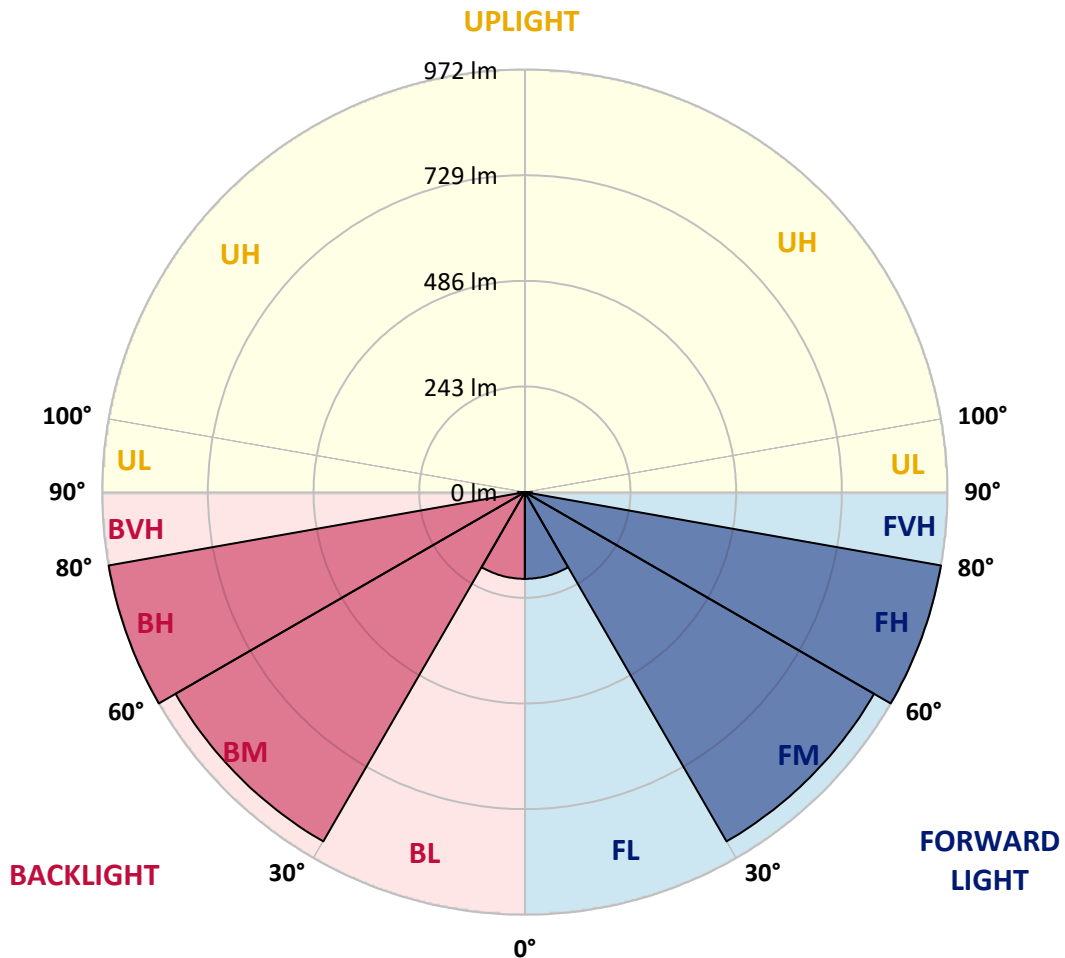


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	199.5	4.7			
FM (30°-60°)	927.8	21.9			
FH (60°-80°)	972.3	23.0			G1/1800
FVH (80°-90°)	16.3	0.4			G1/100
BL (0°-30°)	199.5	4.7	B1/500		
BM (30°-60°)	927.8	21.9	B1/1000		
BH (60°-80°)	972.3	23.0	B2/1000		G1/1800
BVH (80°-90°)	16.3	0.4			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G1
 Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	465.4	465.4	465.4	465.4	465.4	465.4	465.4	465.4	465.4	465.4	465.4
2.5°	464.8	464.5	465.1	465.4	464.8	465.1	463.3	463.3	464.2	463.3	464.5
5°	466.9	466.3	466.9	466.9	465.4	465.4	463.3	462.7	463.3	461.8	463.0
7.5°	467.2	466.0	466.9	466.6	465.4	465.4	462.4	461.2	461.5	460.0	460.9
10°	464.2	463.6	464.8	464.2	463.3	463.3	460.9	459.1	459.1	457.6	458.5
12.5°	462.4	461.8	463.3	463.6	463.0	463.3	460.3	457.9	457.0	455.2	455.8
15°	462.4	461.2	463.6	464.2	464.8	466.9	462.4	458.2	456.4	454.0	454.6
17.5°	462.1	461.5	464.2	466.3	466.9	469.3	464.2	459.7	457.6	454.0	454.6
20°	462.1	461.8	465.1	469.0	470.8	472.9	467.5	463.3	459.7	455.8	455.8
22.5°	463.6	463.3	467.8	473.5	478.5	482.1	475.8	469.0	464.2	459.1	458.5
25°	469.9	469.3	474.6	481.5	488.4	492.0	485.7	478.8	472.0	466.3	465.7
27.5°	482.7	482.4	487.8	496.2	501.0	503.7	498.3	492.3	485.4	478.8	478.5
30°	500.1	500.1	507.0	515.7	518.4	520.5	515.1	510.9	503.7	496.5	495.9
32.5°	521.1	522.3	530.4	540.0	541.8	543.0	537.3	534.6	526.8	519.0	517.8
35°	548.7	549.0	558.9	568.5	570.9	572.1	565.5	563.1	555.9	547.5	545.7
37.5°	583.8	582.9	592.2	603.0	605.4	606.9	601.5	599.7	590.7	582.3	579.6
40°	623.1	623.7	634.2	644.4	645.9	646.5	643.8	641.1	632.7	623.1	619.8
42.5°	668.6	668.6	680.9	692.9	692.9	689.9	688.7	688.1	680.0	669.2	665.6
45°	720.8	721.4	736.7	745.7	746.3	738.2	739.4	743.0	735.2	721.4	716.6
47.5°	778.1	779.0	797.0	806.9	805.1	794.6	801.2	803.0	794.0	776.3	770.0
50°	838.4	841.1	861.1	878.5	876.1	860.8	869.5	870.1	855.4	835.1	826.4
52.5°	903.4	909.7	936.4	955.0	957.4	938.2	945.7	945.1	926.2	898.3	892.6
55°	984.1	987.7	1014.1	1040.5	1049.4	1025.8	1034.2	1030.0	1004.5	972.7	963.1
57.5°	1064.7	1070.1	1104.0	1133.7	1151.7	1131.6	1133.4	1122.6	1090.5	1052.1	1047.3
60°	1160.4	1162.8	1200.3	1238.9	1270.1	1258.1	1249.7	1227.3	1189.5	1151.1	1144.2
62.5°	1238.6	1243.4	1299.2	1356.2	1409.0	1411.1	1385.6	1352.0	1291.7	1227.6	1213.8
65°	1260.2	1268.0	1346.3	1458.7	1568.5	1617.3	1547.5	1444.9	1310.3	1213.5	1192.8
67.5°	1159.8	1174.8	1286.6	1473.4	1716.9	1863.5	1676.4	1400.9	1212.9	1099.8	1080.0
70°	901.9	908.5	1039.9	1296.2	1719.3	2020.0	1624.5	1216.5	994.3	872.8	843.8
72.5°	479.1	482.4	600.9	872.8	1399.1	1745.1	1342.4	851.3	585.3	474.9	441.7
75°	154.7	158.9	206.9	357.4	771.8	1172.7	791.6	354.1	201.8	162.8	154.1
77.5°	78.9	78.6	87.3	115.1	259.7	574.8	274.7	124.1	87.3	78.3	75.9
80°	49.2	48.3	54.9	63.0	90.9	167.9	98.6	69.6	55.2	47.4	47.1
82.5°	27.9	27.9	36.9	40.5	51.3	69.3	57.6	47.7	37.8	28.2	27.3
85°	15.6	13.8	23.1	25.5	29.4	34.2	35.1	30.9	25.5	15.6	16.2
87.5°	5.7	6.3	10.8	10.2	11.7	8.1	14.4	16.2	14.4	7.5	6.3
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)