

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: P672579

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

Issue Date: 04/16/2023



Test Information

Test Method: LM-79-08
Report Number: P672579
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-5MQ
Description: INVUE CLEAR CURVE POLE MOUNT LIGHT SQUARE LUMINAIRE @1050mA w/ 5MQ distribution lens
Light Source: (16) 2700K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

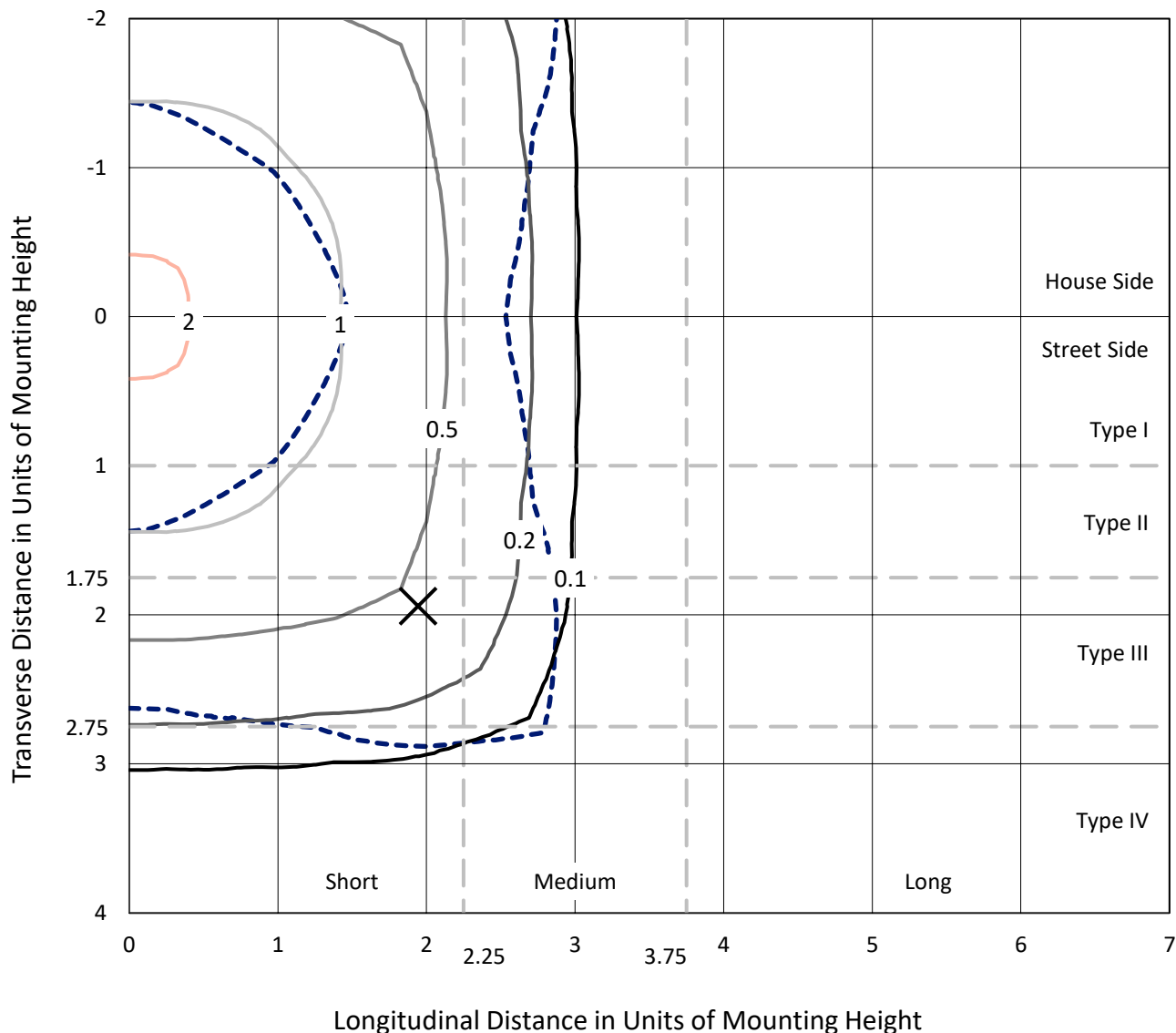
Lumens per Lamp: N/A
Luminaire Lumens: 5187.9 lumens
Efficiency: N/A
Efficacy: 92.5 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B3 - U0 - G1

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

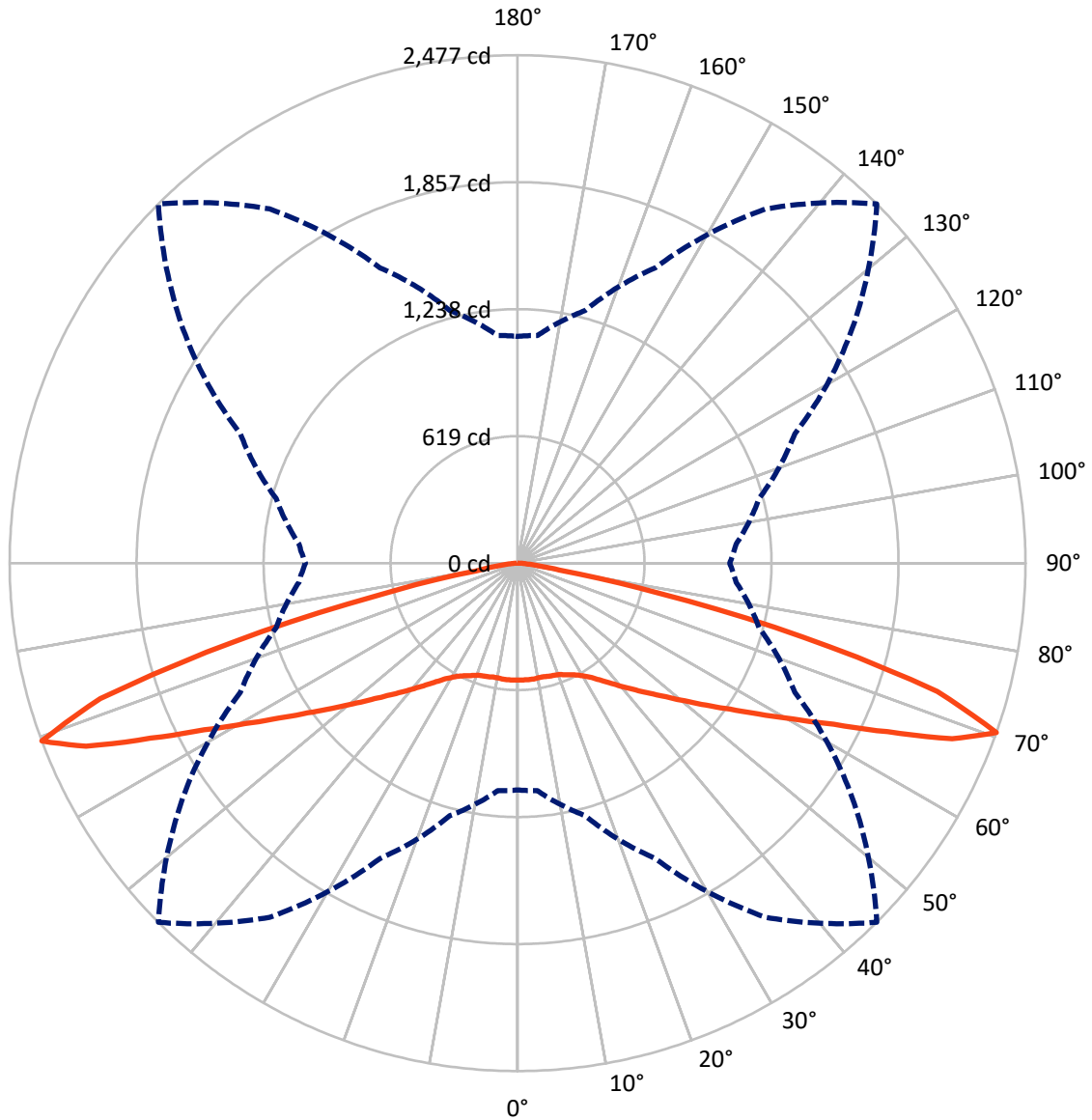
× Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 2.5 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	2594.0	0.0	2594.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	2594.0	0.0	2594.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	5187.9	0.0	5187.9
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	54.3	1.0
10°-20°	160.6	3.1
20°-30°	274.3	5.3
30°-40°	437.7	8.4
40°-50°	706.3	13.6
50°-60°	1131.0	21.8
60°-70°	1655.7	31.9
70°-80°	728.2	14.0
80°-90°	39.9	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°	5187.9	100.0
0°-180°	5187.9	100.0



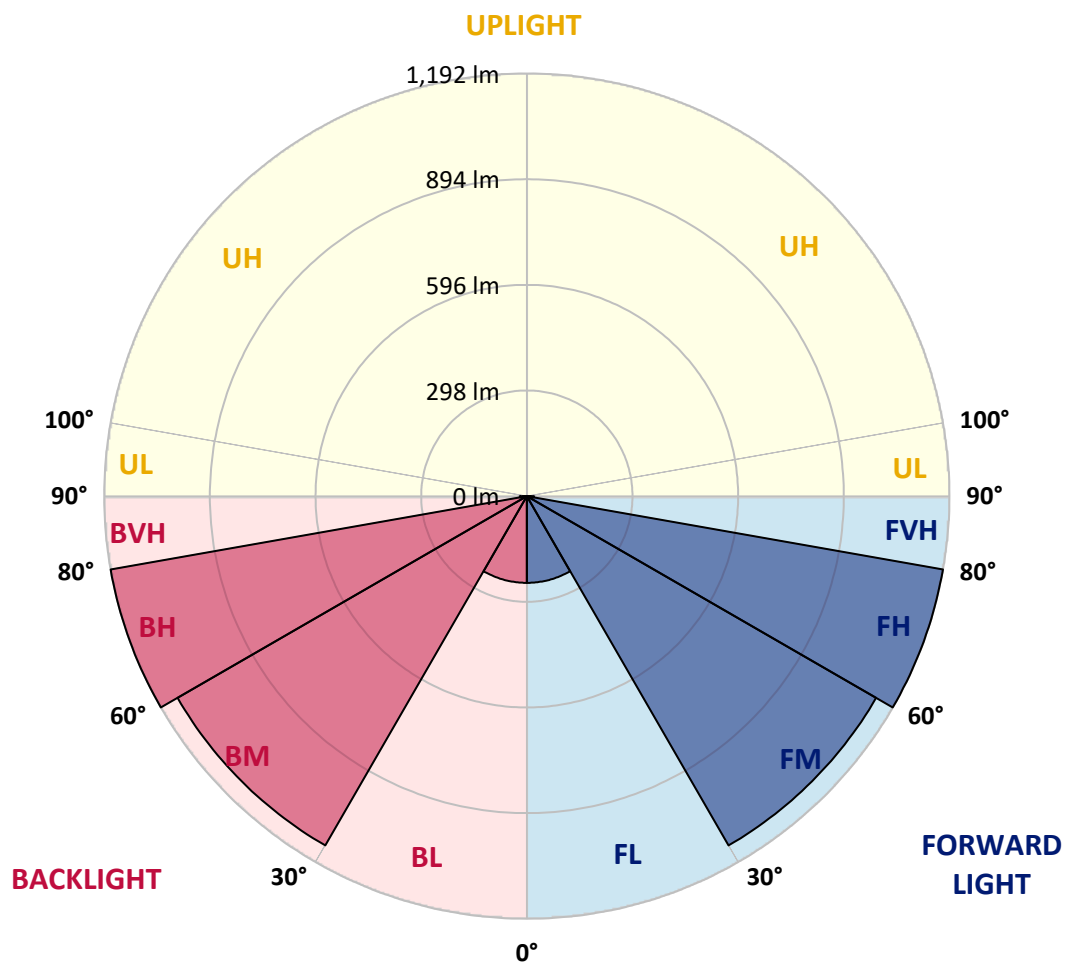
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	244.6	4.7			
FM (30°-60°)	1137.5	21.9			
FH (60°-80°)	1191.9	23.0			G1/1800
FVH (80°-90°)	20.0	0.4			G1/100
BL (0°-30°)	244.6	4.7	B1/500		
BM (30°-60°)	1137.5	21.9	B2/2500		
BH (60°-80°)	1191.9	23.0	B3/2500		G1/1800
BVH (80°-90°)	20.0	0.4			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G1

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	570.5	570.5	570.5	570.5	570.5	570.5	570.5	570.5	570.5	570.5	570.5
2.5°	569.8	569.4	570.1	570.5	569.8	570.1	567.9	567.9	569.0	567.9	569.4
5°	572.3	571.6	572.3	572.3	570.5	570.5	567.9	567.2	567.9	566.1	567.6
7.5°	572.7	571.2	572.3	572.0	570.5	570.5	566.8	565.4	565.7	563.9	565.0
10°	569.0	568.3	569.8	569.0	567.9	567.9	565.0	562.8	562.8	560.9	562.1
12.5°	566.8	566.1	567.9	568.3	567.6	567.9	564.3	561.3	560.2	558.0	558.7
15°	566.8	565.4	568.3	569.0	569.8	572.3	566.8	561.7	559.5	556.5	557.3
17.5°	566.5	565.7	569.0	571.6	572.3	575.3	569.0	563.5	560.9	556.5	557.3
20°	566.5	566.1	570.1	574.9	577.1	579.7	573.1	567.9	563.5	558.7	558.7
22.5°	568.3	567.9	573.4	580.4	586.7	591.1	583.4	574.9	569.0	562.8	562.1
25°	576.0	575.3	581.9	590.4	598.8	603.2	595.5	587.0	578.6	571.6	570.9
27.5°	591.8	591.5	598.1	608.4	614.2	617.6	610.9	603.6	595.1	587.0	586.7
30°	613.1	613.1	621.6	632.3	635.6	638.1	631.5	626.4	617.6	608.7	608.0
32.5°	638.9	640.3	650.3	662.0	664.2	665.7	658.7	655.4	645.9	636.3	634.8
35°	672.7	673.1	685.2	697.0	699.9	701.4	693.3	690.3	681.5	671.2	669.0
37.5°	715.7	714.6	726.0	739.2	742.2	744.0	737.4	735.2	724.2	713.9	710.6
40°	763.9	764.6	777.5	790.0	791.8	792.5	789.2	785.9	775.6	763.9	759.8
42.5°	819.7	819.7	834.8	849.5	849.5	845.8	844.4	843.6	833.7	820.5	816.1
45°	883.7	884.4	903.2	914.2	914.9	905.0	906.5	910.9	901.3	884.4	878.5
47.5°	953.9	955.0	977.1	989.2	987.0	974.1	982.2	984.4	973.4	951.7	944.0
50°	1027.8	1031.1	1055.7	1077.0	1074.1	1055.4	1066.0	1066.8	1048.7	1023.7	1013.1
52.5°	1107.6	1115.3	1148.0	1170.8	1173.7	1150.2	1159.4	1158.7	1135.5	1101.3	1094.3
55°	1206.4	1210.9	1243.2	1275.5	1286.6	1257.5	1267.8	1262.7	1231.4	1192.5	1180.7
57.5°	1305.3	1311.9	1353.5	1389.9	1411.9	1387.3	1389.5	1376.3	1336.9	1289.9	1284.0
60°	1422.6	1425.5	1471.5	1518.9	1557.1	1542.4	1532.1	1504.6	1458.2	1411.2	1402.7
62.5°	1518.5	1524.4	1592.8	1662.6	1727.3	1729.9	1698.6	1657.5	1583.6	1504.9	1488.0
65°	1545.0	1554.6	1650.5	1788.3	1922.9	1982.8	1897.2	1771.4	1606.4	1487.7	1462.3
67.5°	1421.9	1440.2	1577.3	1806.4	2104.8	2284.6	2055.2	1717.4	1486.9	1348.3	1324.1
70°	1105.7	1113.8	1274.8	1589.1	2107.8	2476.5	1991.6	1491.3	1218.9	1070.1	1034.4
72.5°	587.4	591.5	736.7	1070.1	1715.2	2139.4	1645.7	1043.6	717.5	582.3	541.5
75°	189.7	194.8	253.6	438.2	946.2	1437.7	970.4	434.1	247.4	199.6	188.9
77.5°	96.7	96.3	107.0	141.2	318.3	704.7	336.7	152.2	107.0	95.9	93.0
80°	60.3	59.2	67.3	77.2	111.4	205.9	120.9	85.3	67.6	58.1	57.7
82.5°	34.2	34.2	45.2	49.6	62.9	84.9	70.6	58.4	46.3	34.6	33.5
85°	19.1	16.9	28.3	31.2	36.0	41.9	43.0	37.9	31.2	19.1	19.9
87.5°	7.0	7.7	13.2	12.5	14.3	9.9	17.6	19.9	17.6	9.2	7.7
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)