

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: P672580

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

Issue Date: 04/16/2023



Test Information

Test Method: LM-79-08
Report Number: P672580
Test Lab: INNOVATION CENTER(G2)
Issue Date: 04/16/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCP-SA-1F-827-U-5MQ
Description: INVUE CLEAR CURVE POLE MOUNT LIGHT SQUARE LUMINAIRE @1200mA w/ 5MQ distribution lens
Light Source: (16) 2700K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

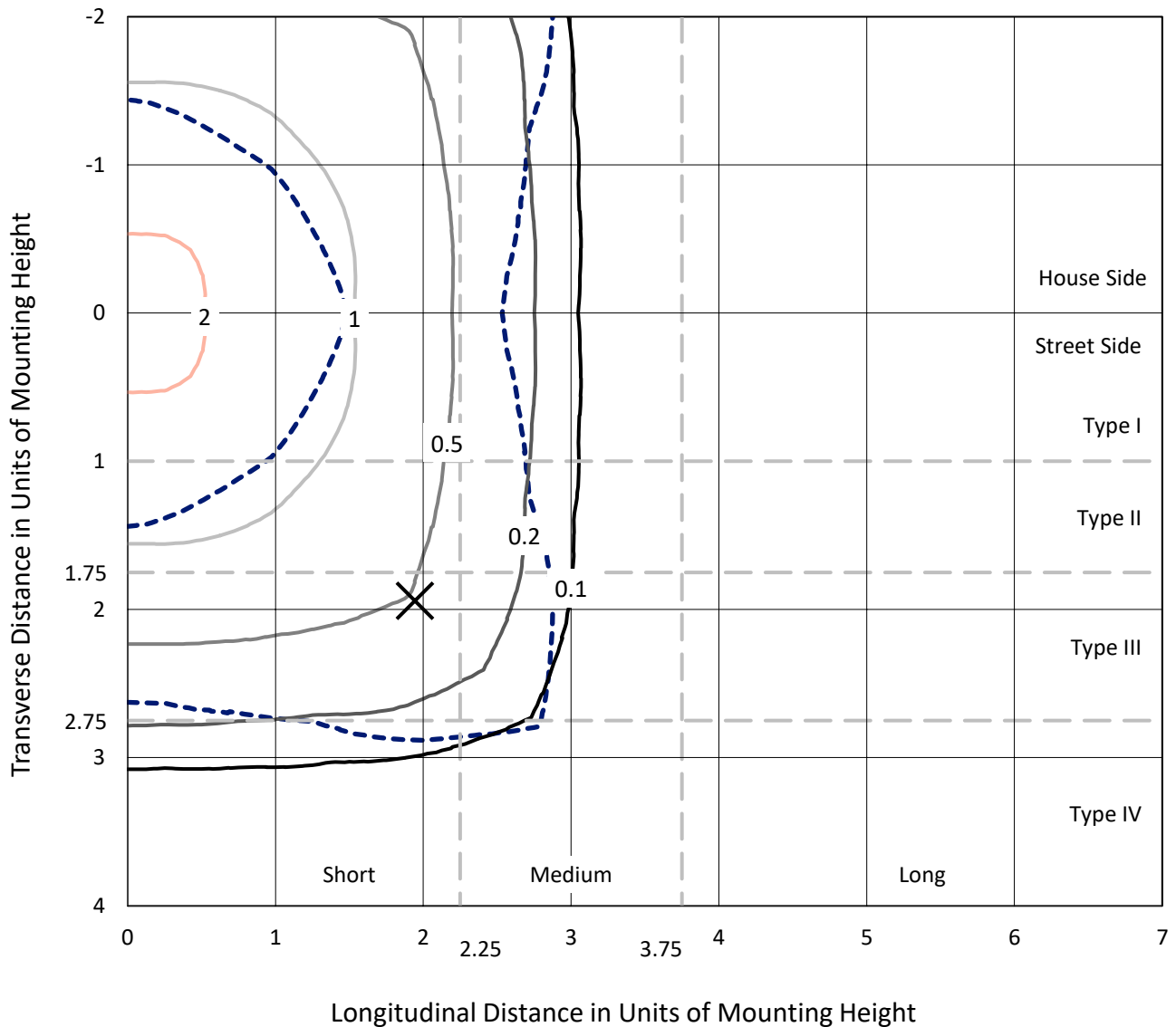
Lumens per Lamp: N/A
Luminaire Lumens: 5689.3 lumens
Efficiency: N/A
Efficacy: 84.9 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B3 - U0 - G1

Input Watts (W): 67
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

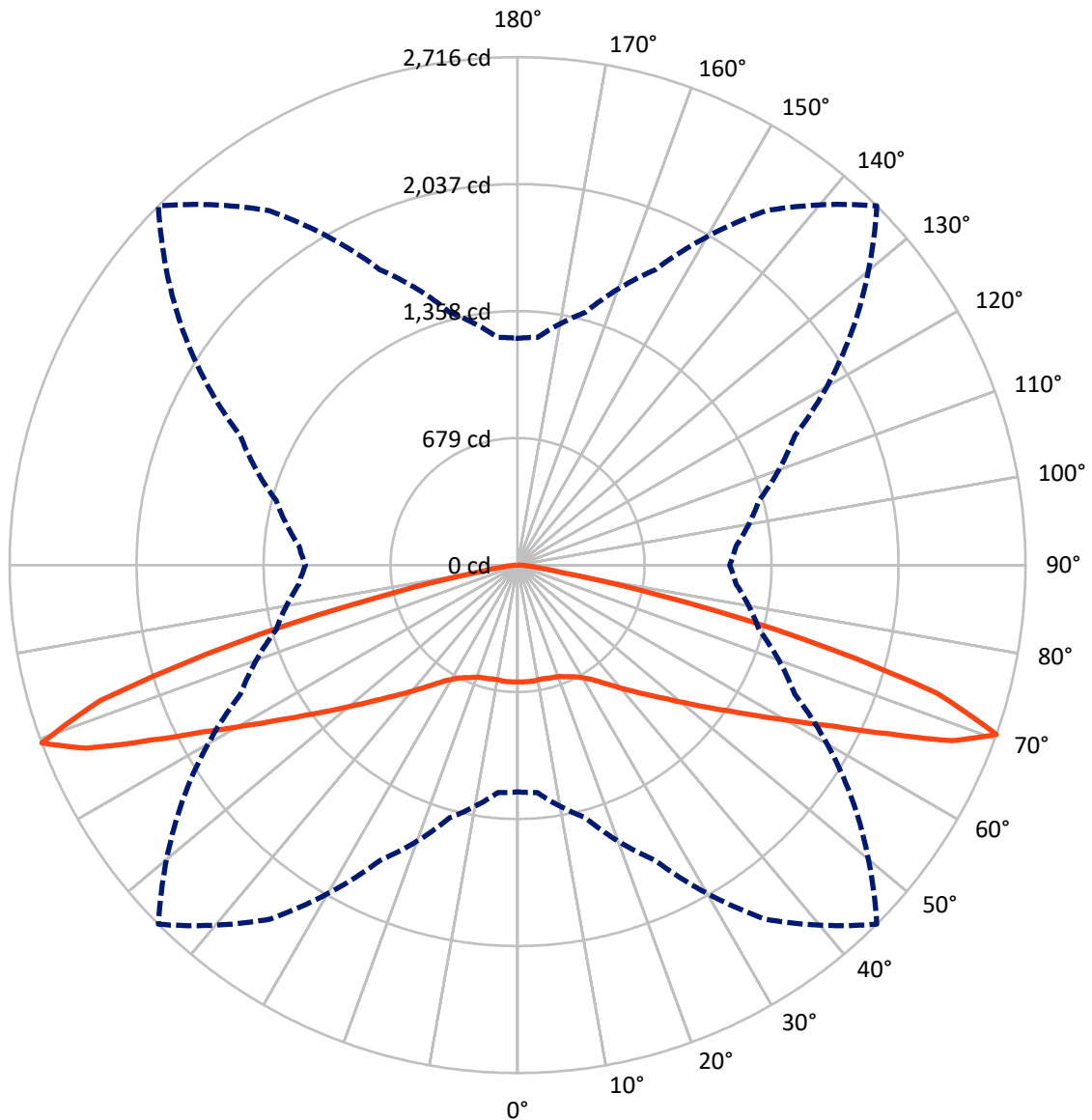
× Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 2.8 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	2844.6	0.0	2844.6
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	2844.6	0.0	2844.6
	% Fixture	50.0	0.0	50.0
Total	Lumens	5689.3	0.0	5689.3
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	59.5	1.0
10°-20°	176.1	3.1
20°-30°	300.8	5.3
30°-40°	480.0	8.4
40°-50°	774.6	13.6
50°-60°	1240.3	21.8
60°-70°	1815.7	31.9
70°-80°	798.5	14.0
80°-90°	43.8	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°	5689.3	100.0
0°-180°	5689.3	100.0



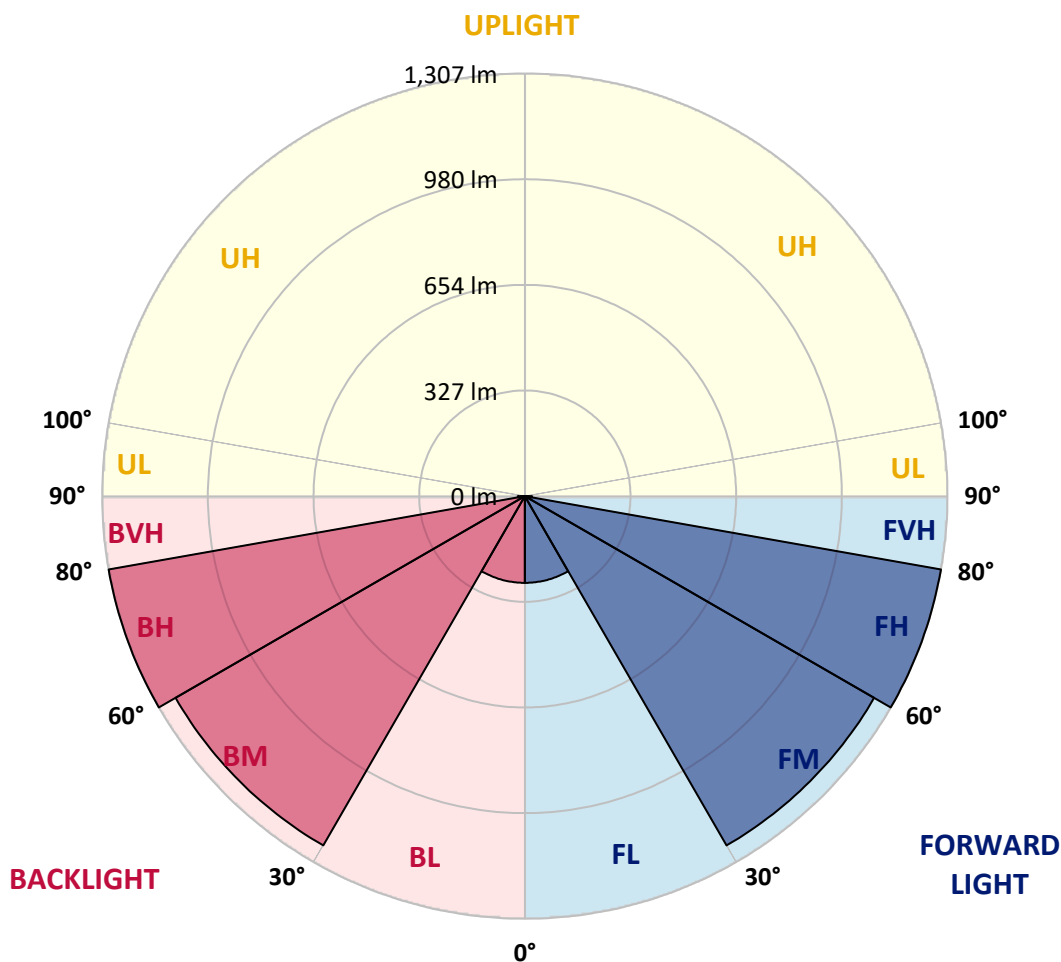
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	268.2	4.7			
FM (30°-60°)	1247.4	21.9			
FH (60°-80°)	1307.1	23.0			G1/1800
FVH (80°-90°)	21.9	0.4			G1/100
BL (0°-30°)	268.2	4.7	B1/500		
BM (30°-60°)	1247.4	21.9	B2/2500		
BH (60°-80°)	1307.1	23.0	B3/2500		G1/1800
BVH (80°-90°)	21.9	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°	625.6	625.6	625.6	625.6	625.6	625.6	625.6	625.6	625.6	625.6	625.6
2.5°	624.8	624.4	625.2	625.6	624.8	625.2	622.8	622.8	624.0	622.8	624.4
5°	627.6	626.8	627.6	627.6	625.6	625.6	622.8	622.0	622.8	620.8	622.4
7.5°	628.1	626.4	627.6	627.2	625.6	625.6	621.6	620.0	620.4	618.4	619.6
10°	624.0	623.2	624.8	624.0	622.8	622.8	619.6	617.2	617.2	615.2	616.4
12.5°	621.6	620.8	622.8	623.2	622.4	622.8	618.8	615.6	614.3	611.9	612.7
15°	621.6	620.0	623.2	624.0	624.8	627.6	621.6	616.0	613.5	610.3	611.1
17.5°	621.2	620.4	624.0	626.8	627.6	630.9	624.0	618.0	615.2	610.3	611.1
20°	621.2	620.8	625.2	630.5	632.9	635.7	628.5	622.8	618.0	612.7	612.7
22.5°	623.2	622.8	628.9	636.5	643.4	648.2	639.7	630.5	624.0	617.2	616.4
25°	631.7	630.9	638.1	647.4	656.7	661.5	653.0	643.8	634.5	626.8	626.0
27.5°	649.0	648.6	655.9	667.2	673.6	677.2	670.0	661.9	652.6	643.8	643.4
30°	672.4	672.4	681.7	693.4	697.0	699.8	692.5	686.9	677.2	667.6	666.7
32.5°	700.6	702.2	713.1	726.0	728.4	730.0	722.4	718.8	708.3	697.8	696.2
35°	737.7	738.1	751.4	764.3	767.5	769.1	760.3	757.0	747.4	736.1	733.7
37.5°	784.9	783.7	796.1	810.7	813.9	815.9	808.6	806.2	794.1	782.8	779.2
40°	837.7	838.5	852.6	866.3	868.3	869.1	865.5	861.9	850.6	837.7	833.2
42.5°	898.9	898.9	915.5	931.6	931.6	927.6	926.0	925.1	914.3	899.7	894.9
45°	969.1	969.9	990.4	1002.5	1003.3	992.5	994.1	998.9	988.4	969.9	963.4
47.5°	1046.1	1047.3	1071.5	1084.8	1082.4	1068.3	1077.1	1079.5	1067.4	1043.7	1035.2
50°	1127.1	1130.7	1157.7	1181.1	1177.9	1157.3	1169.0	1169.8	1150.1	1122.7	1111.0
52.5°	1214.6	1223.0	1258.9	1283.9	1287.1	1261.3	1271.4	1270.6	1245.2	1207.7	1200.1
55°	1323.0	1327.9	1363.3	1398.8	1410.9	1379.1	1390.3	1384.7	1350.4	1307.7	1294.8
57.5°	1431.5	1438.7	1484.3	1524.2	1548.4	1521.3	1523.8	1509.3	1466.1	1414.5	1408.1
60°	1560.0	1563.3	1613.7	1665.7	1707.6	1691.5	1680.2	1649.9	1599.2	1547.6	1538.3
62.5°	1665.3	1671.7	1746.7	1823.3	1894.2	1897.1	1862.8	1817.6	1736.6	1650.3	1631.8
65°	1694.3	1704.8	1810.0	1961.1	2108.7	2174.4	2080.5	1942.6	1761.6	1631.4	1603.6
67.5°	1559.2	1579.4	1729.8	1980.9	2308.2	2505.3	2253.8	1883.3	1630.6	1478.6	1452.0
70°	1212.6	1221.4	1398.0	1742.7	2311.5	2715.8	2184.1	1635.4	1336.7	1173.5	1134.4
72.5°	644.2	648.6	807.8	1173.5	1880.9	2346.1	1804.7	1144.4	786.9	638.5	593.8
75°	208.0	213.7	278.1	480.5	1037.6	1576.6	1064.2	476.1	271.3	218.9	207.2
77.5°	106.0	105.6	117.3	154.8	349.1	772.8	369.3	166.9	117.3	105.2	102.0
80°	66.1	64.9	73.8	84.7	122.1	225.7	132.6	93.5	74.2	63.7	63.3
82.5°	37.5	37.5	49.6	54.4	68.9	93.1	77.4	64.1	50.8	37.9	36.7
85°	21.0	18.5	31.0	34.3	39.5	46.0	47.2	41.5	34.3	21.0	21.8
87.5°	7.7	8.5	14.5	13.7	15.7	10.9	19.3	21.8	19.3	10.1	8.5
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)