

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: P672590

Luminaire Tested: **CCP-SA-1E-830-U-5MQ**

Issue Date: 04/16/2023



Test Information

Test Method: LM-79-08
Report Number: P672590
Test Lab: INNOVATION CENTER(G2)
Issue Date: 04/16/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCP-SA-1E-830-U-5MQ
Description: INVUE CLEAR CURVE POLE MOUNT LIGHT SQUARE LUMINAIRE @1050mA w/ 5MQ distribution lens
Light Source: (16) 3000K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

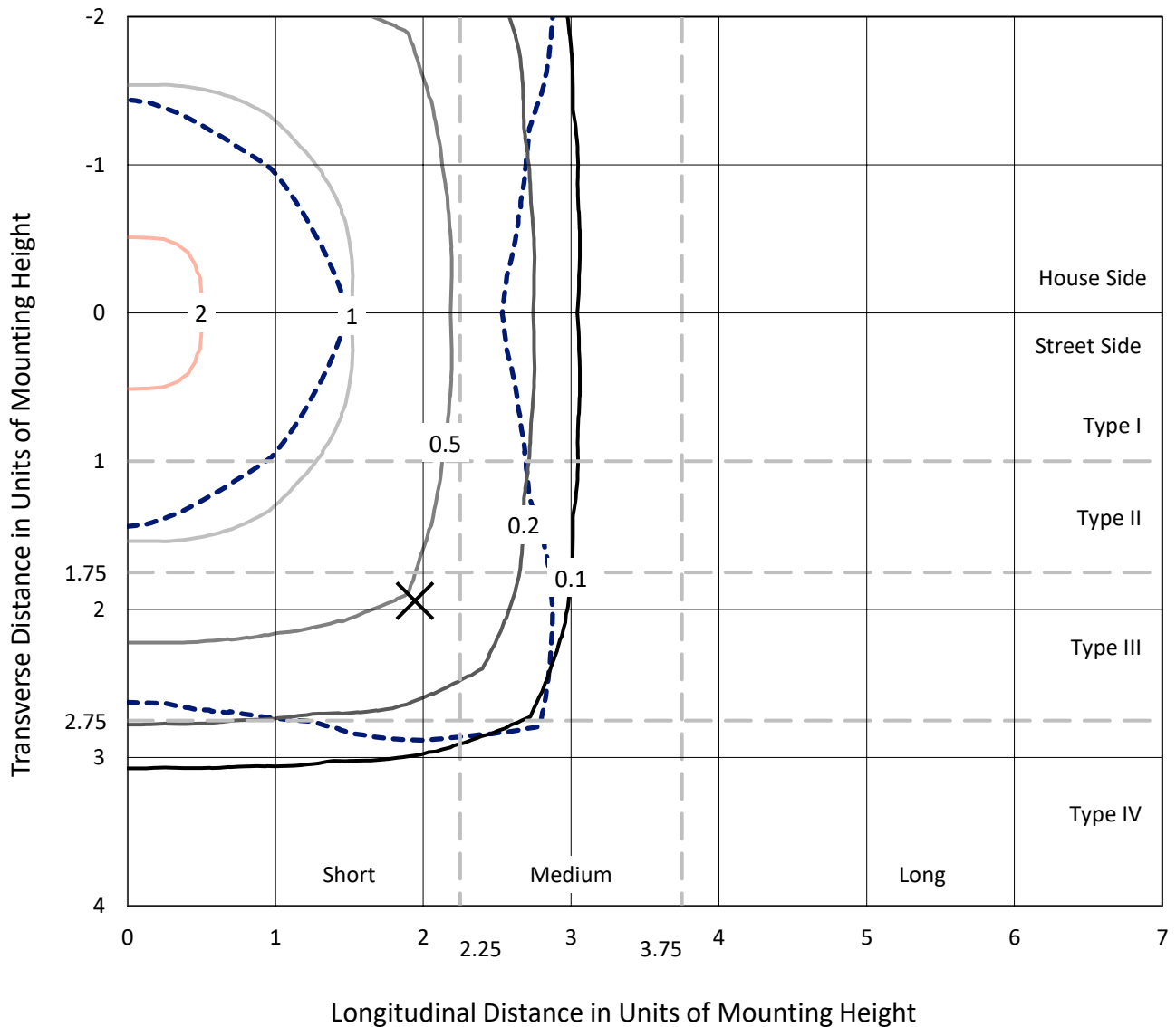
Lumens per Lamp: N/A
Luminaire Lumens: 5607.9 lumens
Efficiency: N/A
Efficacy: 100.0 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B3 - U0 - G1

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

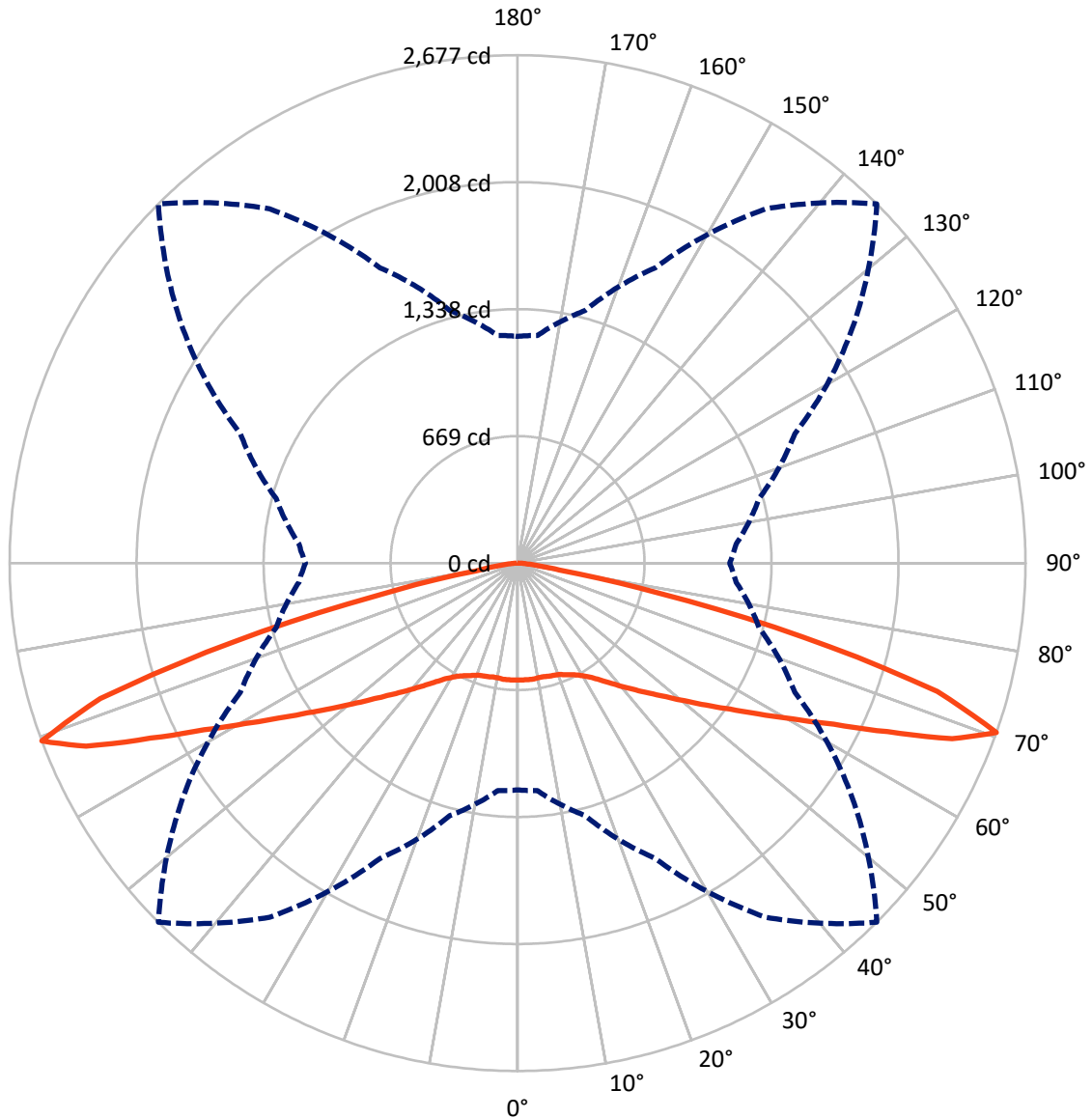
× Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 2.7 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	2803.9	0.0	2803.9
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	2803.9	0.0	2803.9
	% Fixture	50.0	0.0	50.0
Total	Lumens	5607.9	0.0	5607.9
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	58.7	1.0
10°-20°	173.6	3.1
20°-30°	296.5	5.3
30°-40°	473.1	8.4
40°-50°	763.5	13.6
50°-60°	1222.5	21.8
60°-70°	1789.7	31.9
70°-80°	787.1	14.0
80°-90°	43.1	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°	5607.9	100.0
0°-180°	5607.9	100.0



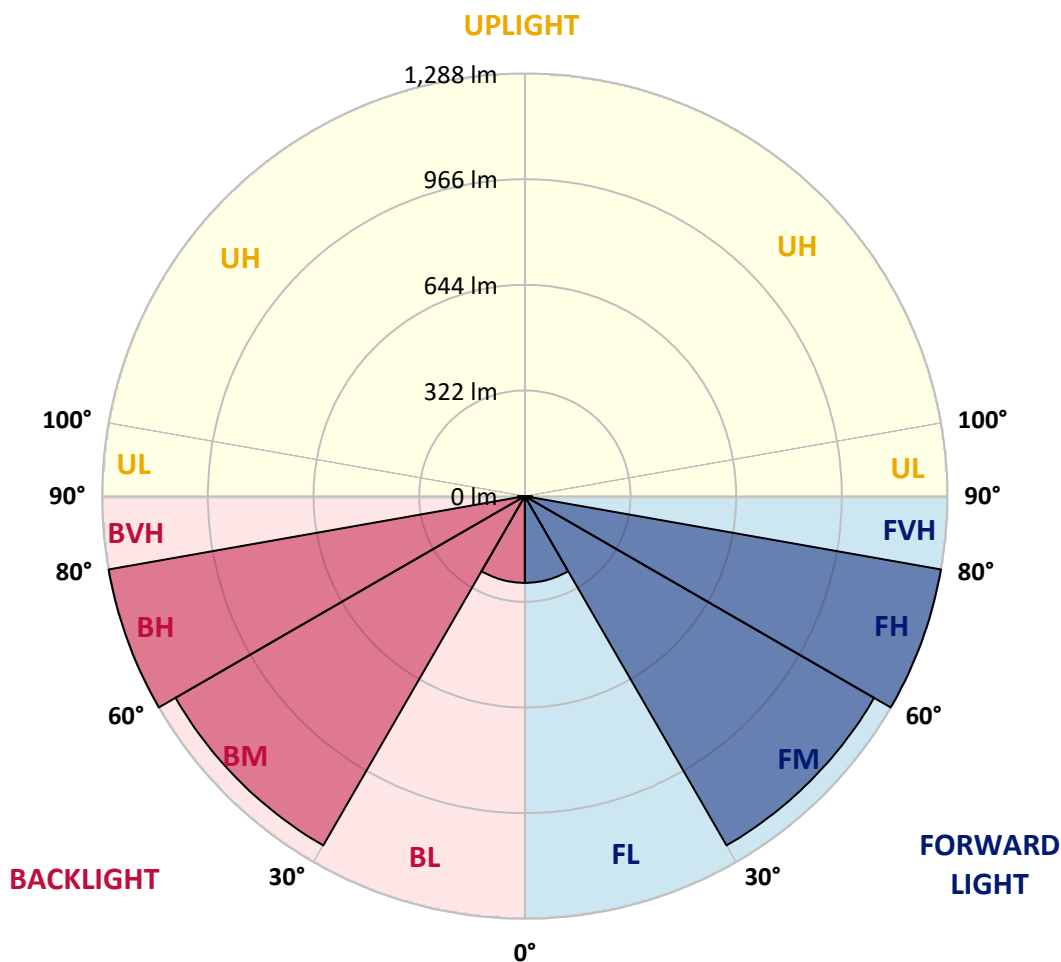
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	264.4	4.7			
FM (30°-60°)	1229.6	21.9			
FH (60°-80°)	1288.4	23.0			G1/1800
FVH (80°-90°)	21.6	0.4			G1/100
BL (0°-30°)	264.4	4.7	B1/500		
BM (30°-60°)	1229.6	21.9	B2/2500		
BH (60°-80°)	1288.4	23.0	B3/2500		G1/1800
BVH (80°-90°)	21.6	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°	616.7	616.7	616.7	616.7	616.7	616.7	616.7	616.7	616.7	616.7	616.7
2.5°	615.9	615.5	616.3	616.7	615.9	616.3	613.9	613.9	615.1	613.9	615.5
5°	618.7	617.9	618.7	618.7	616.7	616.7	613.9	613.1	613.9	611.9	613.5
7.5°	619.1	617.5	618.7	618.3	616.7	616.7	612.7	611.1	611.5	609.5	610.7
10°	615.1	614.3	615.9	615.1	613.9	613.9	610.7	608.3	608.3	606.4	607.5
12.5°	612.7	611.9	613.9	614.3	613.5	613.9	609.9	606.7	605.6	603.2	604.0
15°	612.7	611.1	614.3	615.1	615.9	618.7	612.7	607.1	604.8	601.6	602.4
17.5°	612.3	611.5	615.1	617.9	618.7	621.8	615.1	609.1	606.4	601.6	602.4
20°	612.3	611.9	616.3	621.5	623.8	626.6	619.5	613.9	609.1	604.0	604.0
22.5°	614.3	613.9	619.9	627.4	634.2	638.9	630.6	621.5	615.1	608.3	607.5
25°	622.6	621.8	629.0	638.1	647.3	652.0	643.7	634.6	625.4	617.9	617.1
27.5°	639.7	639.3	646.5	657.6	664.0	667.5	660.4	652.4	643.3	634.6	634.2
30°	662.8	662.8	671.9	683.4	687.0	689.8	682.6	677.1	667.5	658.0	657.2
32.5°	690.6	692.2	702.9	715.6	718.0	719.6	712.0	708.5	698.1	687.8	686.2
35°	727.1	727.5	740.7	753.4	756.5	758.1	749.4	746.2	736.7	725.6	723.2
37.5°	773.6	772.4	784.8	799.1	802.2	804.2	797.1	794.7	782.8	771.6	768.1
40°	825.7	826.5	840.4	853.9	855.9	856.7	853.1	849.5	838.4	825.7	821.3
42.5°	886.1	886.1	902.4	918.3	918.3	914.3	912.7	911.9	901.2	886.9	882.1
45°	955.2	956.0	976.3	988.2	989.0	978.3	979.9	984.6	974.3	956.0	949.7
47.5°	1031.1	1032.3	1056.1	1069.3	1066.9	1053.0	1061.7	1064.1	1052.2	1028.7	1020.4
50°	1111.0	1114.6	1141.2	1164.2	1161.0	1140.8	1152.3	1153.1	1133.6	1106.6	1095.1
52.5°	1197.2	1205.6	1240.9	1265.6	1268.7	1243.3	1253.2	1252.4	1227.4	1190.5	1182.9
55°	1304.1	1308.9	1343.8	1378.8	1390.7	1359.3	1370.5	1364.9	1331.1	1289.0	1276.3
57.5°	1411.0	1418.1	1463.0	1502.4	1526.2	1499.6	1502.0	1487.7	1445.2	1394.3	1387.9
60°	1537.7	1540.9	1590.6	1641.8	1683.2	1667.3	1656.1	1626.3	1576.3	1525.4	1516.3
62.5°	1641.4	1647.8	1721.7	1797.2	1867.1	1869.9	1836.1	1791.6	1711.8	1626.7	1608.5
65°	1670.0	1680.4	1784.1	1933.1	2078.5	2143.3	2050.7	1914.8	1736.4	1608.1	1580.6
67.5°	1536.9	1556.8	1705.0	1952.6	2275.2	2469.5	2221.6	1856.4	1607.3	1457.5	1431.2
70°	1195.2	1204.0	1378.0	1717.7	2278.4	2676.9	2152.8	1612.0	1317.6	1156.7	1118.1
72.5°	635.0	639.3	796.3	1156.7	1854.0	2312.6	1778.9	1128.1	775.6	629.4	585.3
75°	205.0	210.6	274.2	473.6	1022.8	1554.0	1049.0	469.3	267.4	215.8	204.2
77.5°	104.5	104.1	115.6	152.6	344.1	761.7	364.0	164.5	115.6	103.7	100.5
80°	65.2	64.0	72.7	83.4	120.4	222.5	130.7	92.2	73.1	62.8	62.4
82.5°	37.0	37.0	48.9	53.6	67.9	91.8	76.3	63.2	50.1	37.4	36.2
85°	20.7	18.3	30.6	33.8	38.9	45.3	46.5	40.9	33.8	20.7	21.5
87.5°	7.5	8.3	14.3	13.5	15.5	10.7	19.1	21.5	19.1	9.9	8.3
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)