

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: P672593

Luminaire Tested: **CCP-SA-2B-830-U-5MQ**

Issue Date: 04/16/2023



Test Information

Test Method: LM-79-08
Report Number: P672593
Test Lab: INNOVATION CENTER(G2)
Issue Date: 04/16/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCP-SA-2B-830-U-5MQ
Description: INVUE CLEAR CURVE POLE MOUNT LIGHT SQUARE LUMINAIRE @450mA w/ 5MQ distribution lens
Light Source: (32) 3000K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

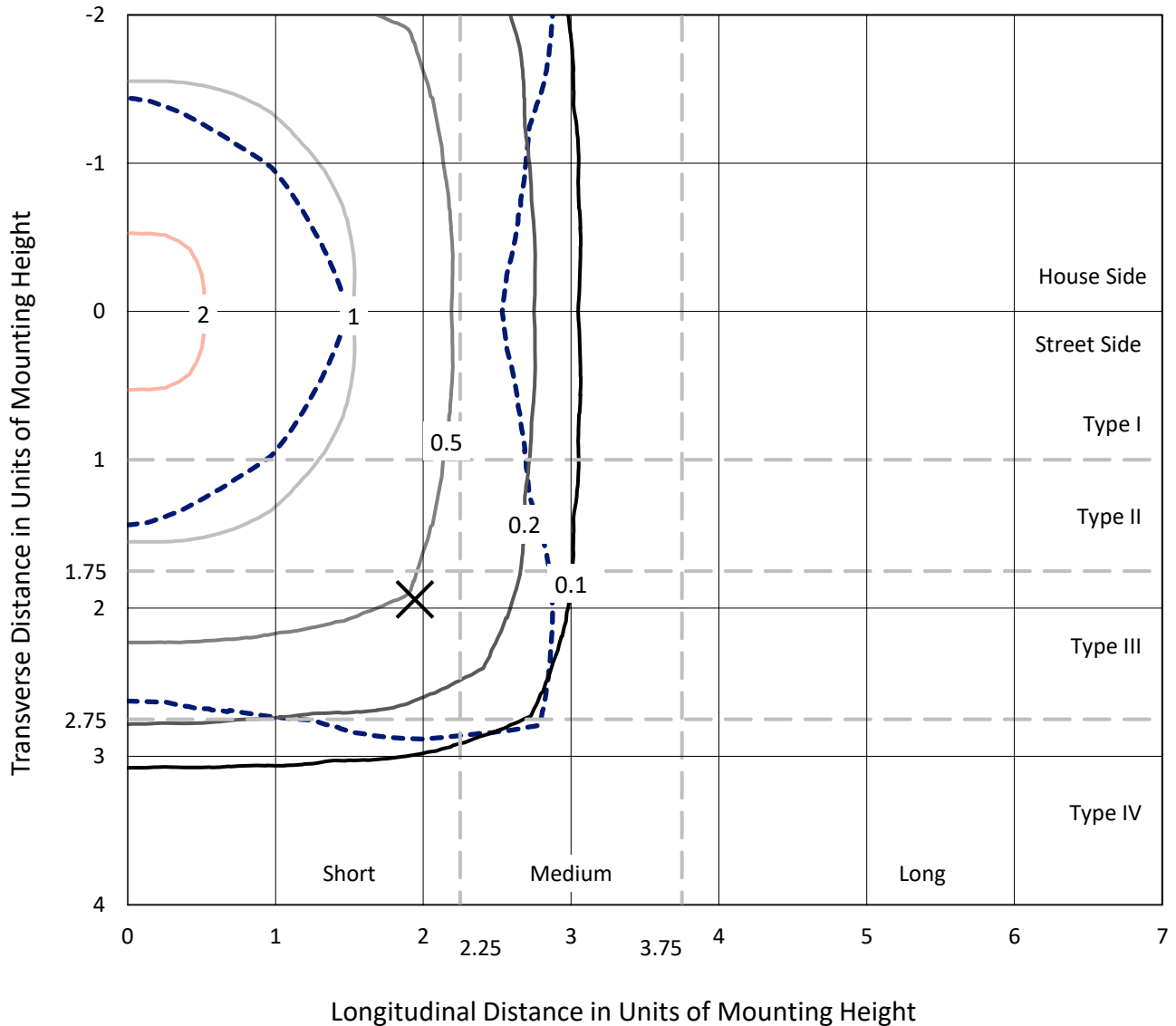
Lumens per Lamp: N/A
Luminaire Lumens: 5664.6 lumens
Efficiency: N/A
Efficacy: 123.1 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B3 - U0 - G1

Input Watts (W): 46
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

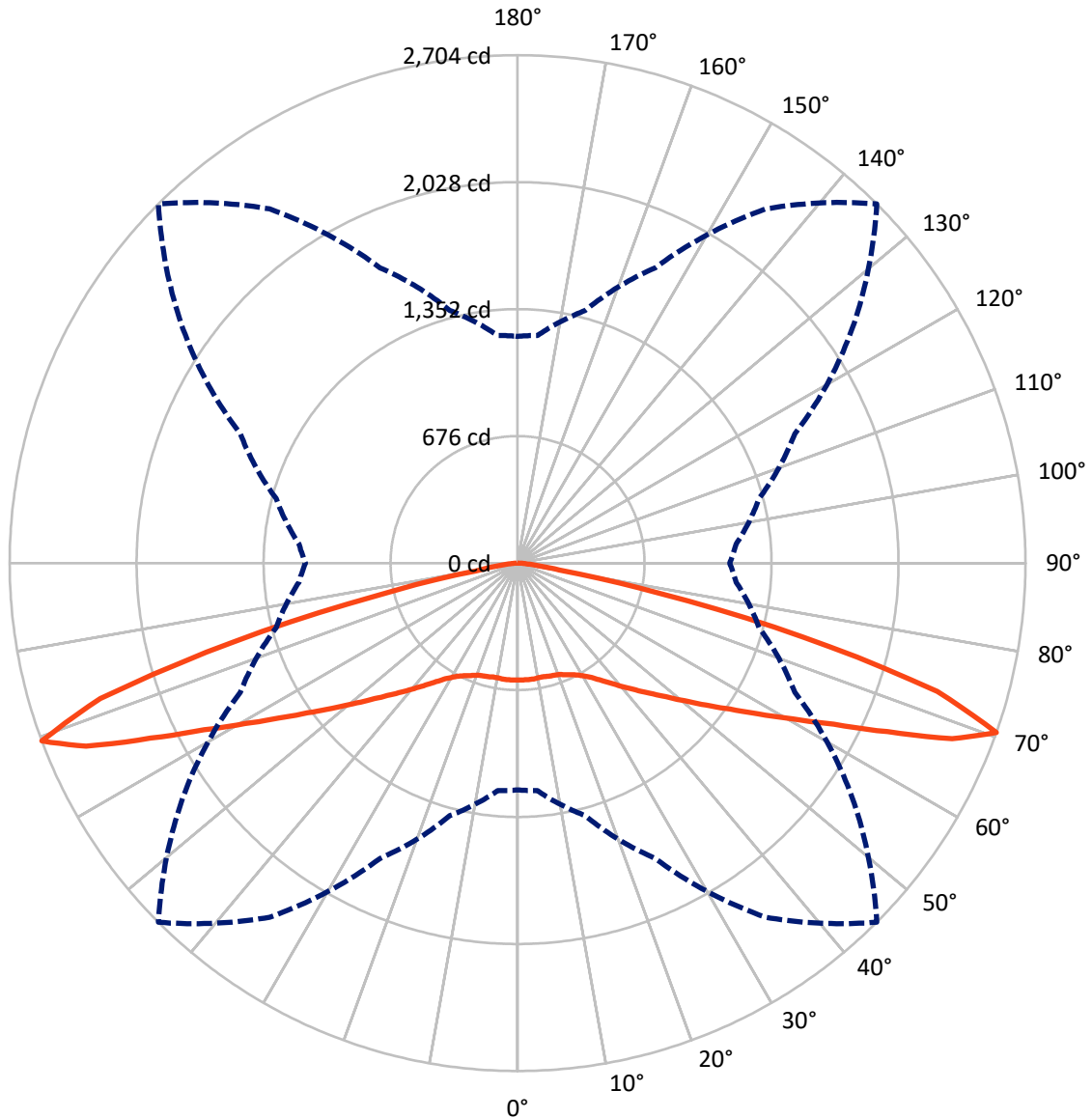
× Max cd
 - - - 1/2 Max cd



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	2832.3	0.0	2832.3
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	2832.3	0.0	2832.3
	% Fixture	50.0	0.0	50.0
Total	Lumens	5664.6	0.0	5664.6
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	59.3	1.0
10°-20°	175.4	3.1
20°-30°	299.5	5.3
30°-40°	477.9	8.4
40°-50°	771.2	13.6
50°-60°	1234.9	21.8
60°-70°	1807.8	31.9
70°-80°	795.1	14.0
80°-90°	43.6	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°	5664.6	100.0
0°-180°	5664.6	100.0



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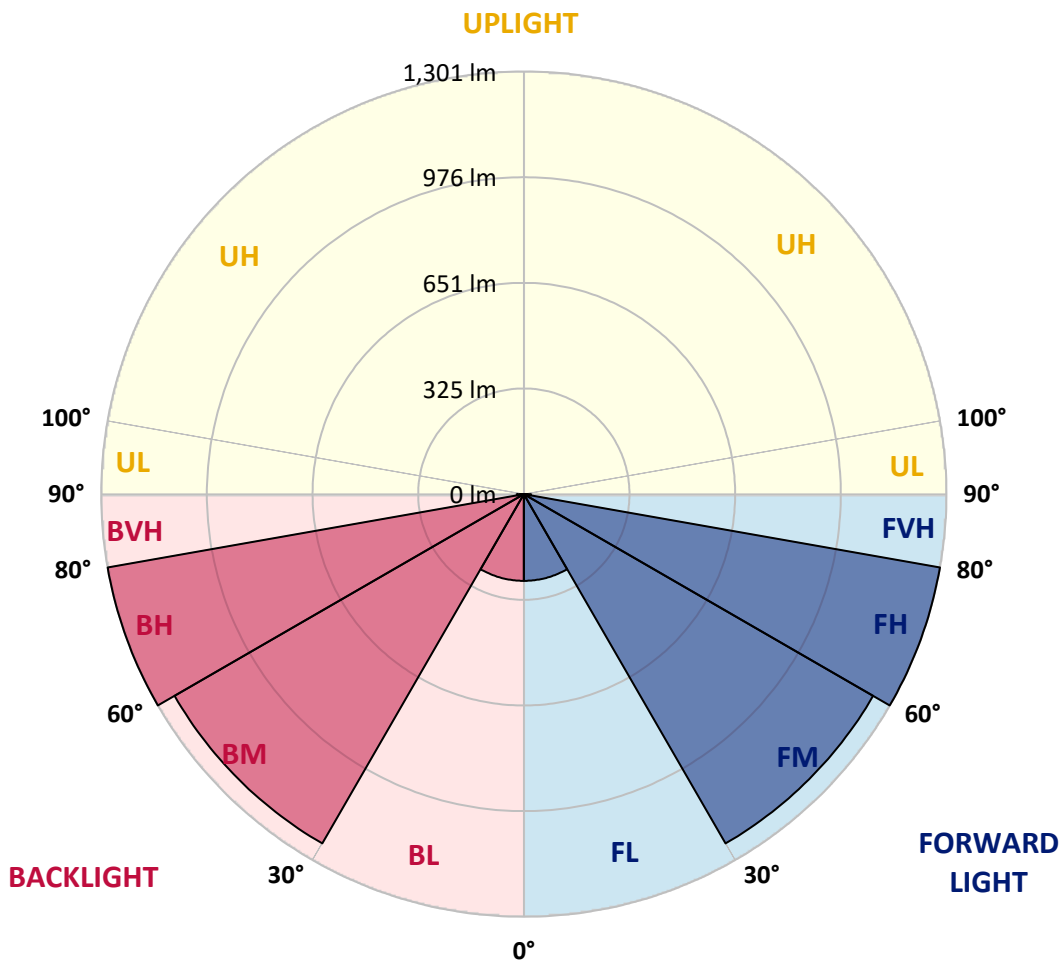
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	267.1	4.7			
FM (30°-60°)	1242.0	21.9			
FH (60°-80°)	1301.5	23.0			G1/1800
FVH (80°-90°)	21.8	0.4			G1/100
BL (0°-30°)	267.1	4.7	B1/500		
BM (30°-60°)	1242.0	21.9	B2/2500		
BH (60°-80°)	1301.5	23.0	B3/2500		G1/1800
BVH (80°-90°)	21.8	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°	622.9	622.9	622.9	622.9	622.9	622.9	622.9	622.9	622.9	622.9	622.9
2.5°	622.1	621.7	622.5	622.9	622.1	622.5	620.1	620.1	621.3	620.1	621.7
5°	624.9	624.1	624.9	624.9	622.9	622.9	620.1	619.3	620.1	618.1	619.7
7.5°	625.3	623.7	624.9	624.5	622.9	622.9	618.9	617.3	617.7	615.7	616.9
10°	621.3	620.5	622.1	621.3	620.1	620.1	616.9	614.5	614.5	612.5	613.7
12.5°	618.9	618.1	620.1	620.5	619.7	620.1	616.1	612.9	611.7	609.3	610.1
15°	618.9	617.3	620.5	621.3	622.1	624.9	618.9	613.3	610.9	607.7	608.5
17.5°	618.5	617.7	621.3	624.1	624.9	628.1	621.3	615.3	612.5	607.7	608.5
20°	618.5	618.1	622.5	627.7	630.1	633.0	625.7	620.1	615.3	610.1	610.1
22.5°	620.5	620.1	626.1	633.8	640.6	645.4	637.0	627.7	621.3	614.5	613.7
25°	628.9	628.1	635.4	644.6	653.8	658.6	650.2	641.0	631.8	624.1	623.3
27.5°	646.2	645.8	653.0	664.3	670.7	674.3	667.1	659.0	649.8	641.0	640.6
30°	669.5	669.5	678.7	690.4	694.0	696.8	689.5	683.9	674.3	664.7	663.9
32.5°	697.6	699.2	710.0	722.9	725.3	726.9	719.2	715.6	705.2	694.8	693.2
35°	734.5	734.9	748.1	761.0	764.2	765.8	757.0	753.8	744.1	732.9	730.5
37.5°	781.5	780.3	792.7	807.1	810.4	812.4	805.1	802.7	790.7	779.5	775.8
40°	834.0	834.8	848.9	862.5	864.5	865.3	861.7	858.1	846.9	834.0	829.6
42.5°	895.0	895.0	911.5	927.6	927.6	923.5	921.9	921.1	910.3	895.9	891.0
45°	964.9	965.7	986.2	998.2	999.0	988.2	989.8	994.6	984.2	965.7	959.3
47.5°	1041.5	1042.8	1066.8	1080.1	1077.7	1063.6	1072.5	1074.9	1062.8	1039.1	1030.7
50°	1122.2	1125.8	1152.7	1176.0	1172.8	1152.3	1164.0	1164.8	1145.1	1117.8	1106.2
52.5°	1209.3	1217.7	1253.5	1278.4	1281.6	1255.9	1265.9	1265.1	1239.8	1202.5	1194.9
55°	1317.3	1322.1	1357.4	1392.7	1404.8	1373.1	1384.3	1378.7	1344.6	1302.0	1289.2
57.5°	1425.3	1432.5	1477.8	1517.6	1541.7	1514.8	1517.2	1502.7	1459.8	1408.4	1402.0
60°	1553.3	1556.5	1606.7	1658.4	1700.2	1684.1	1672.9	1642.8	1592.2	1540.8	1531.6
62.5°	1658.0	1664.5	1739.1	1815.4	1886.0	1888.8	1854.7	1809.8	1729.1	1643.2	1624.7
65°	1686.9	1697.4	1802.1	1952.7	2099.6	2165.0	2071.5	1934.2	1754.0	1624.3	1596.6
67.5°	1552.5	1572.6	1722.3	1972.3	2298.2	2494.5	2244.0	1875.2	1623.5	1472.2	1445.7
70°	1207.3	1216.1	1391.9	1735.1	2301.4	2704.0	2174.6	1628.3	1330.9	1168.4	1129.4
72.5°	641.4	645.8	804.3	1168.4	1872.8	2336.0	1796.9	1139.5	783.5	635.8	591.2
75°	207.1	212.7	276.9	478.4	1033.1	1569.7	1059.6	474.0	270.1	217.9	206.3
77.5°	105.6	105.2	116.8	154.1	347.6	769.4	367.7	166.2	116.8	104.8	101.5
80°	65.8	64.6	73.5	84.3	121.6	224.8	132.0	93.1	73.9	63.4	63.0
82.5°	37.3	37.3	49.4	54.2	68.6	92.7	77.1	63.8	50.6	37.7	36.5
85°	20.9	18.5	30.9	34.1	39.3	45.8	47.0	41.3	34.1	20.9	21.7
87.5°	7.6	8.4	14.4	13.6	15.7	10.8	19.3	21.7	19.3	10.0	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)