

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: P672451

Luminaire Tested: **CCP-SA-2D-830-U-5WQ**

Issue Date: 04/16/2023



Test Information

Test Method: LM-79-08
Report Number: P672451
Test Lab: INNOVATION CENTER(G2)
Issue Date: 04/16/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCP-SA-2D-830-U-5WQ
Description: INVUE CLEAR CURVE POLE MOUNT LIGHT SQUARE LUMINAIRE @800mA w/ 5WQ distribution lens
Light Source: (32) 3000K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

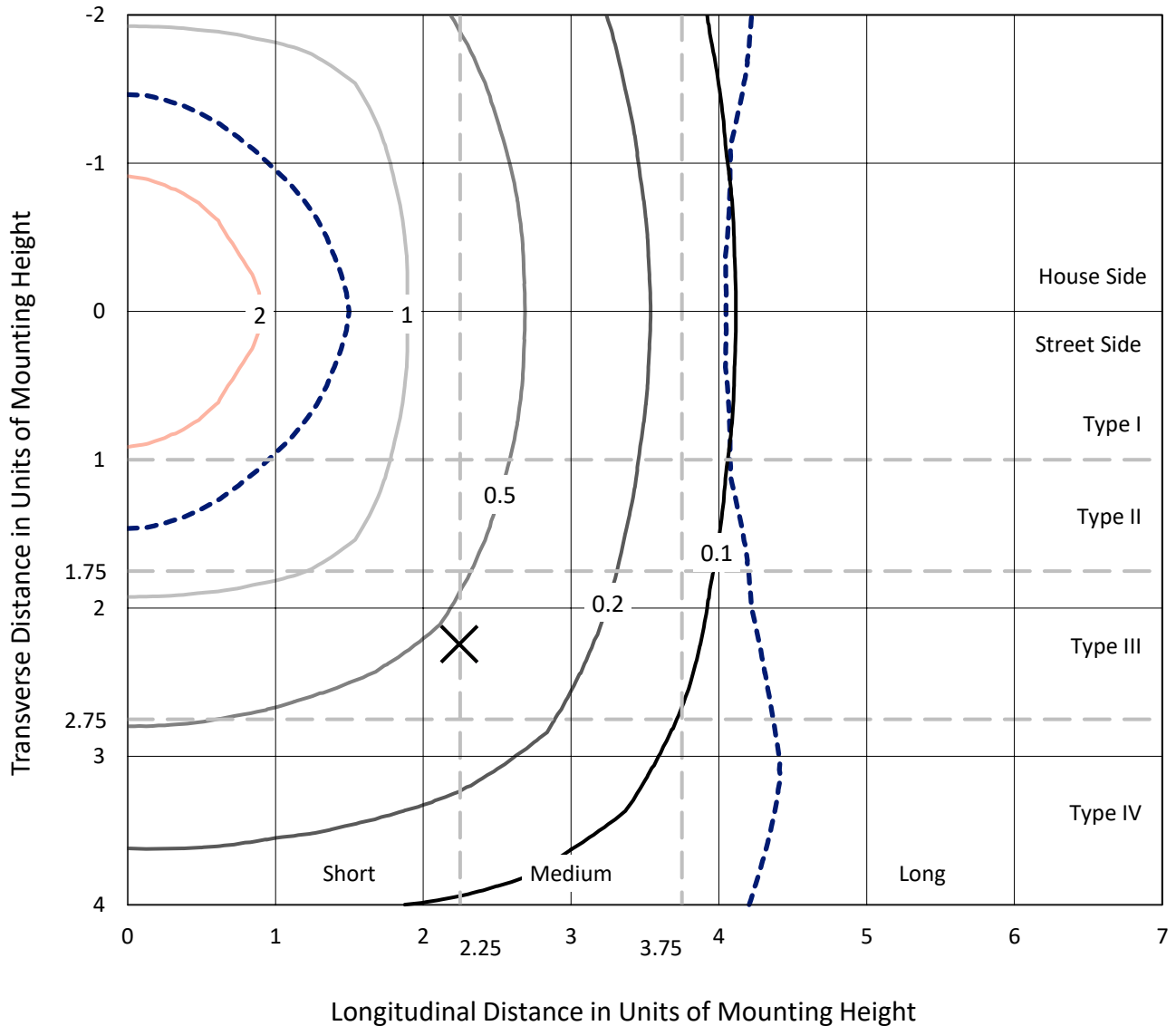
Lumens per Lamp: N/A
Luminaire Lumens: 9288.3 lumens
Efficiency: N/A
Efficacy: 115.0 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B4 - U0 - G2

Input Watts (W): 80.8
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

REPORT NUMBER: P672451
 CATALOG NUMBER: CCP-SA-2D-830-U-5WQ

Iso-Footcandle Lines of Horizontal Illumination

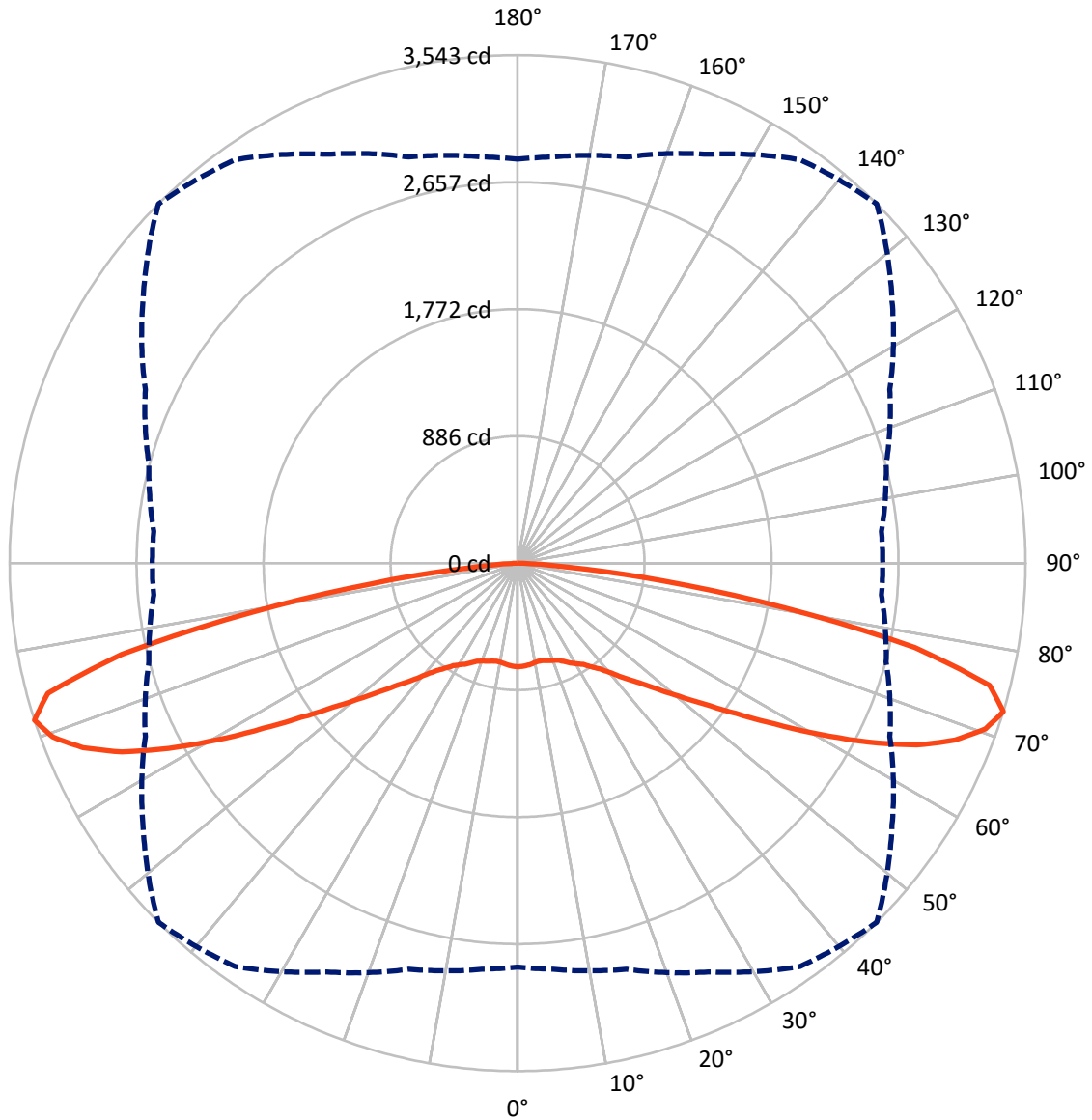
× Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 3.2 fc
 Type V - Short - N/A

REPORT NUMBER: P672451
CATALOG NUMBER: CCP-SA-2D-830-U-5WQ

Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 72.5-Deg Vertical

REPORT NUMBER: P672451
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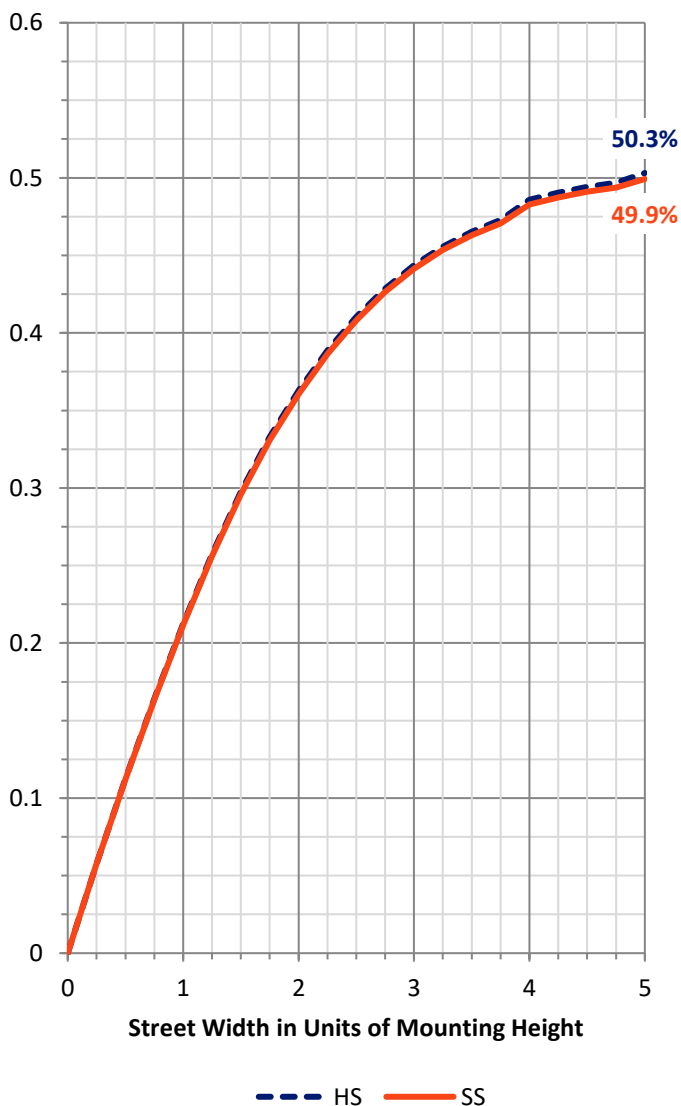
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4644.1	0.0	4644.1
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	4644.1	0.0	4644.1
	% Fixture	50.0	0.0	50.0
Total	Lumens	9288.3	0.0	9288.3
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	67.9	0.7
10°-20°	201.7	2.2
20°-30°	354.4	3.8
30°-40°	565.4	6.1
40°-50°	945.4	10.2
50°-60°	1617.8	17.4
60°-70°	2670.7	28.8
70°-80°	2559.7	27.6
80°-90°	305.3	3.3
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°	9288.3	100.0
0°-180°	9288.3	100.0



REPORT NUMBER: P672451

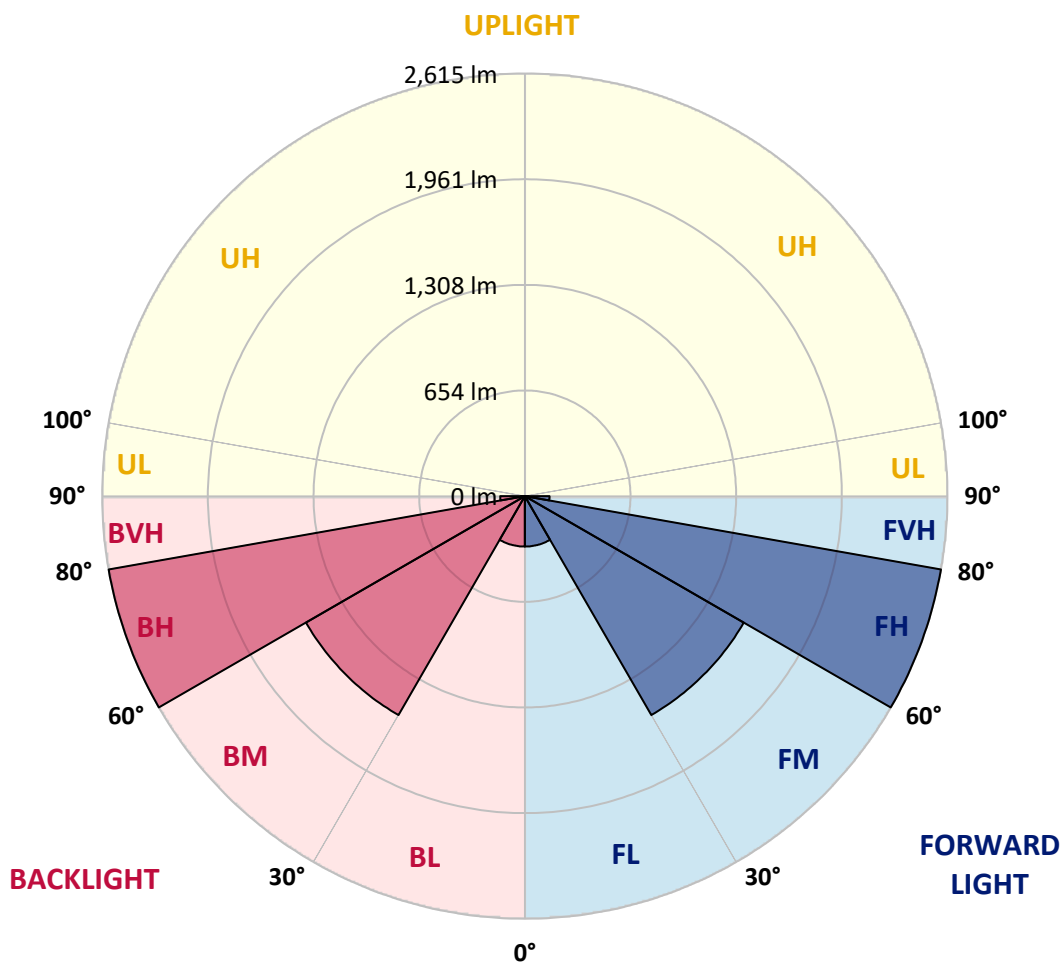
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	312.0	3.4			
FM (30°-60°)	1564.3	16.8			
FH (60°-80°)	2615.2	28.2			G2/5000
FVH (80°-90°)	152.6	1.6			G2/225
BL (0°-30°)	312.0	3.4	B1/500		
BM (30°-60°)	1564.3	16.8	B2/2500		
BH (60°-80°)	2615.2	28.2	B4/5000		G2/5000
BVH (80°-90°)	152.6	1.6			G2/225
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B4-U0-G2

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	723.3	723.3	723.3	723.3	723.3	723.3	723.3	723.3	723.3	723.3	723.3
2.5°	718.8	718.8	720.7	721.3	720.7	720.1	719.4	718.8	720.7	720.1	720.7
5°	716.8	716.8	717.5	718.1	716.8	716.2	714.9	714.2	715.5	715.5	716.8
7.5°	711.6	711.0	711.6	712.3	710.3	709.7	707.7	707.7	707.7	707.1	708.4
10°	707.1	705.8	705.8	704.5	701.3	701.9	699.3	701.3	704.5	705.1	705.8
12.5°	709.0	707.7	706.4	703.2	698.7	699.3	698.7	700.6	705.1	707.7	709.7
15°	718.1	716.8	713.6	707.7	705.1	705.1	703.9	704.5	711.0	714.9	716.8
17.5°	727.8	725.2	719.4	715.5	712.9	714.9	710.3	709.7	714.9	720.7	722.6
20°	735.6	733.7	726.5	722.0	722.0	723.9	719.4	716.8	722.6	729.8	731.7
22.5°	749.2	747.9	740.8	736.3	736.3	736.9	734.3	732.4	738.8	746.0	747.9
25°	768.7	768.7	761.5	759.6	758.9	760.2	757.0	755.1	760.9	766.1	768.0
27.5°	791.3	789.4	783.6	782.3	784.9	789.4	783.6	778.4	782.9	787.5	788.1
30°	815.3	815.3	810.1	810.1	812.1	814.0	808.8	803.7	808.2	813.4	814.0
32.5°	849.0	847.1	845.1	845.8	845.1	842.5	840.0	839.3	843.2	846.4	847.7
35°	890.5	889.9	887.3	888.6	888.6	888.6	880.8	878.2	884.7	887.3	886.0
37.5°	954.7	954.0	947.5	943.7	939.1	937.2	927.4	926.8	942.4	950.1	948.8
40°	1033.1	1030.5	1024.7	1018.2	1012.4	1008.5	998.7	1005.9	1022.1	1027.9	1027.9
42.5°	1118.6	1115.4	1108.9	1105.7	1101.8	1097.9	1084.9	1088.2	1107.6	1113.5	1107.0
45°	1223.6	1219.1	1212.0	1204.8	1199.0	1191.2	1184.8	1188.0	1208.7	1215.9	1210.7
47.5°	1335.1	1333.8	1328.0	1322.2	1317.0	1311.8	1303.4	1309.2	1327.3	1326.0	1315.7
50°	1453.1	1455.7	1456.3	1462.1	1458.3	1458.9	1443.3	1440.1	1454.4	1445.9	1433.0
52.5°	1580.1	1584.0	1597.6	1609.3	1630.7	1633.2	1613.8	1593.1	1590.5	1568.4	1554.8
55°	1727.2	1726.6	1756.4	1788.8	1836.1	1851.0	1807.6	1768.7	1747.3	1704.5	1690.3
57.5°	1893.8	1891.8	1937.2	1994.2	2079.8	2116.7	2037.0	1963.1	1911.3	1860.1	1845.2
60°	2074.6	2079.1	2134.2	2226.9	2374.7	2425.9	2305.3	2182.8	2103.8	2037.0	2031.2
62.5°	2285.9	2286.5	2351.4	2477.1	2668.9	2751.2	2585.3	2419.4	2318.9	2245.7	2230.2
65°	2535.4	2540.0	2609.3	2736.3	2956.7	3058.4	2867.3	2665.0	2546.4	2447.3	2445.3
67.5°	2791.4	2788.8	2852.3	2987.2	3199.7	3293.7	3093.4	2867.9	2713.6	2589.9	2573.7
70°	2955.4	2969.7	3038.4	3167.3	3370.8	3462.2	3218.5	2946.3	2784.9	2671.5	2663.7
72.5°	2817.3	2843.9	2932.7	3146.6	3435.0	3543.2	3188.7	2865.3	2661.8	2547.7	2547.7
75°	2287.2	2331.3	2455.1	2784.3	3213.3	3400.6	2952.2	2507.5	2211.4	2089.5	2089.5
77.5°	1393.4	1435.6	1602.8	2004.6	2595.0	2834.8	2406.4	1888.6	1545.7	1396.7	1377.2
80°	463.4	490.6	654.6	1018.8	1593.1	1886.7	1612.5	1072.6	692.2	527.6	525.0
82.5°	123.1	134.2	186.7	295.5	691.5	1022.1	737.6	353.9	202.9	157.5	145.2
85°	42.8	46.0	79.1	98.5	175.6	338.3	205.5	128.3	98.5	59.6	55.7
87.5°	12.3	13.6	31.8	34.3	50.6	39.5	55.7	51.2	46.7	19.4	17.5
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)