

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: P672445

Luminaire Tested: **CCP-SA-1D-830-U-5WQ**

Issue Date: 04/16/2023

Test Information

Test Method: LM-79-08
Report Number: P672445
Test Lab: INNOVATION CENTER(G2)
Issue Date: 04/16/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCP-SA-1D-830-U-5WQ
Description: INVUE CLEAR CURVE POLE MOUNT LIGHT SQUARE LUMINAIRE @800mA w/ 5WQ
distribution lens
Light Source: (16) 3000K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4644.6 lumens
Efficiency: N/A
Efficacy: 105.6 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B3 - U0 - G1

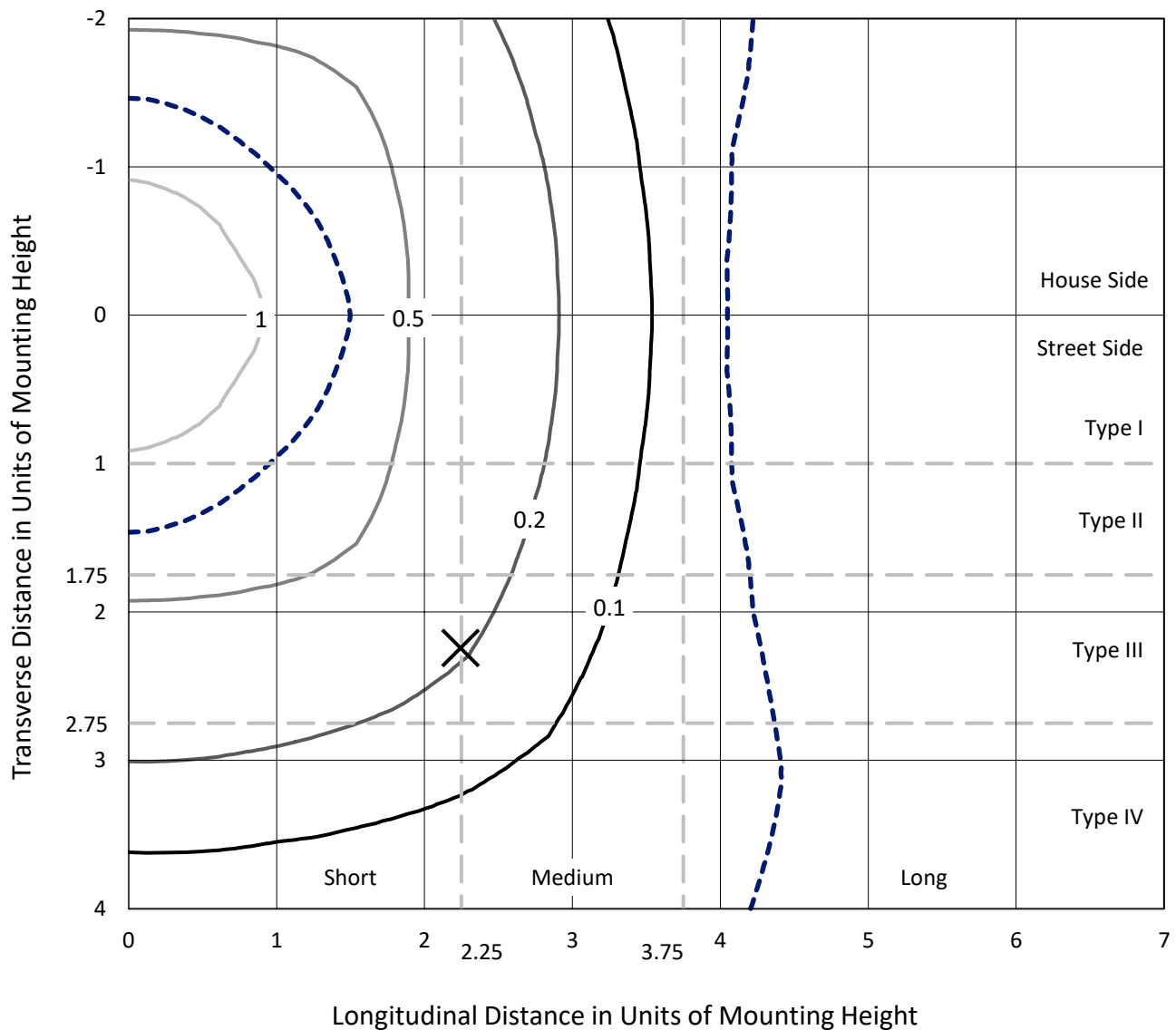
Input Watts (W): 44
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT

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Iso-Footcandle Lines of Horizontal Illumination

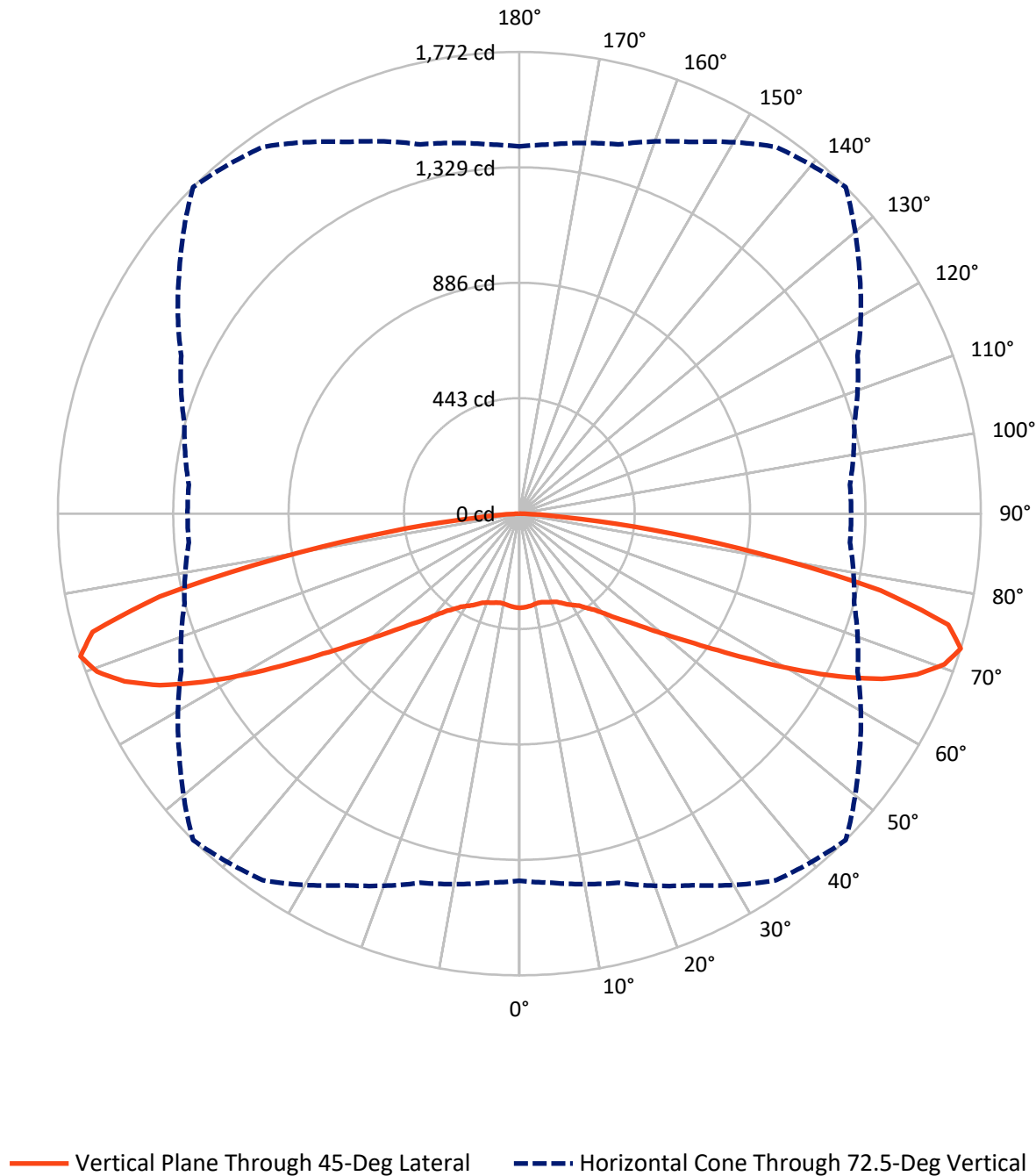
✕ Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 1.6 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2322.3	0.0	2322.3
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	2322.3	0.0	2322.3
	% Fixture	50.0	0.0	50.0
Total	Lumens	4644.6	0.0	4644.6
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	34.0	0.7
10°-20°	100.9	2.2
20°-30°	177.2	3.8
30°-40°	282.7	6.1
40°-50°	472.7	10.2
50°-60°	809.0	17.4
60°-70°	1335.5	28.8
70°-80°	1280.0	27.6
80°-90°	152.7	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°	4644.6	100.0
0°-180°	4644.6	100.0



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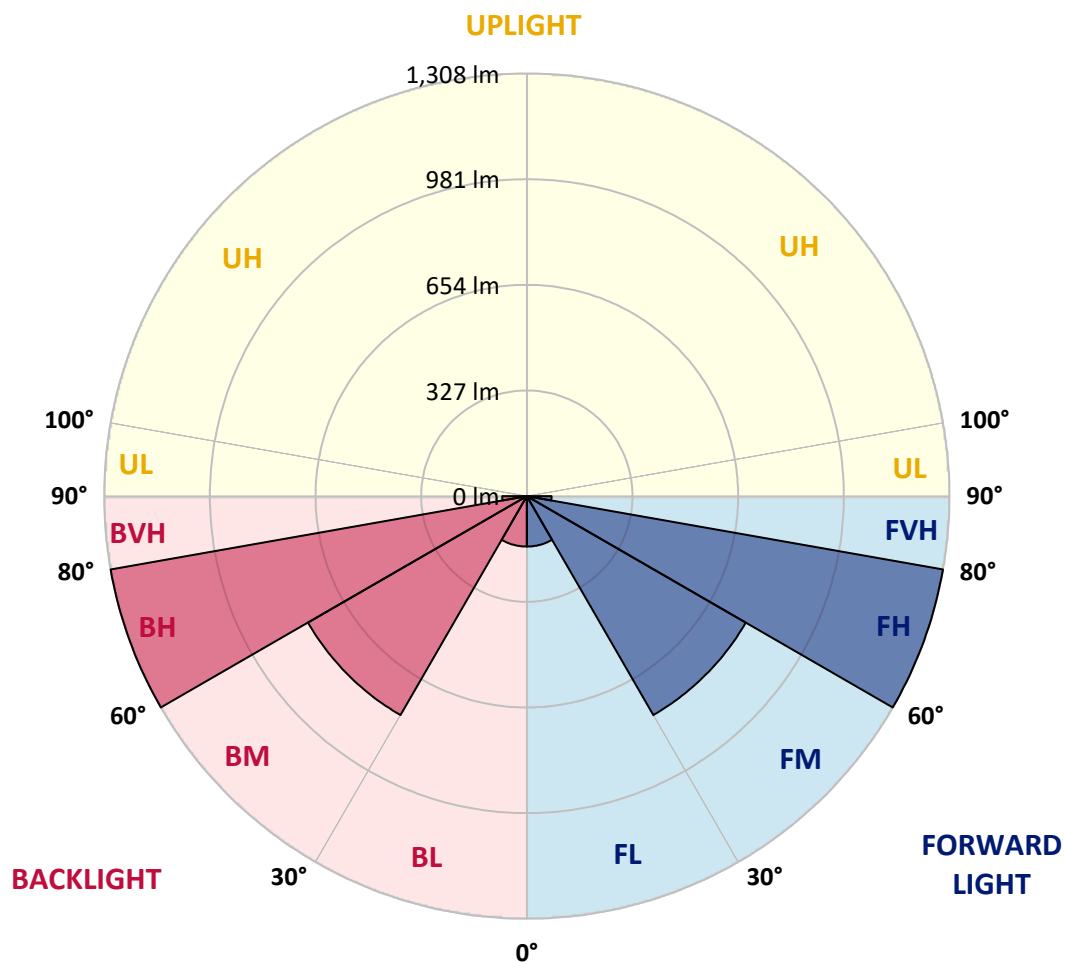
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	156.0	3.4			
FM	(30°-60°)	782.2	16.8			
FH	(60°-80°)	1307.7	28.2			G1/1800
FVH	(80°-90°)	76.3	1.6			G1/100
BL	(0°-30°)	156.0	3.4	B1/500		
BM	(30°-60°)	782.2	16.8	B1/1000		
BH	(60°-80°)	1307.7	28.2	B3/2500		G1/1800
BVH	(80°-90°)	76.3	1.6			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°	361.7	361.7	361.7	361.7	361.7	361.7	361.7	361.7	361.7	361.7	361.7
2.5°	359.4	359.4	360.4	360.7	360.4	360.1	359.7	359.4	360.4	360.1	360.4
5°	358.4	358.4	358.8	359.1	358.4	358.1	357.5	357.1	357.8	357.8	358.4
7.5°	355.8	355.5	355.8	356.2	355.2	354.9	353.9	353.9	353.9	353.6	354.2
10°	353.6	352.9	352.9	352.3	350.7	351.0	349.7	350.7	352.3	352.6	352.9
12.5°	354.5	353.9	353.3	351.6	349.4	349.7	349.4	350.3	352.6	353.9	354.9
15°	359.1	358.4	356.8	353.9	352.6	352.6	352.0	352.3	355.5	357.5	358.4
17.5°	363.9	362.7	359.7	357.8	356.5	357.5	355.2	354.9	357.5	360.4	361.4
20°	367.8	366.9	363.3	361.0	361.0	362.0	359.7	358.4	361.4	364.9	365.9
22.5°	374.6	374.0	370.4	368.2	368.2	368.5	367.2	366.2	369.5	373.0	374.0
25°	384.4	384.4	380.8	379.8	379.5	380.2	378.5	377.6	380.5	383.1	384.0
27.5°	395.7	394.7	391.8	391.2	392.5	394.7	391.8	389.2	391.5	393.8	394.1
30°	407.7	407.7	405.1	405.1	406.1	407.1	404.5	401.9	404.1	406.7	407.1
32.5°	424.6	423.6	422.6	422.9	422.6	421.3	420.0	419.7	421.6	423.3	423.9
35°	445.3	445.0	443.7	444.3	444.3	444.3	440.4	439.1	442.4	443.7	443.0
37.5°	477.4	477.1	473.8	471.9	469.6	468.6	463.8	463.4	471.2	475.1	474.5
40°	516.6	515.3	512.4	509.1	506.2	504.3	499.4	503.0	511.1	514.0	514.0
42.5°	559.4	557.8	554.5	552.9	550.9	549.0	542.5	544.1	553.9	556.8	553.5
45°	611.9	609.6	606.0	602.5	599.6	595.7	592.4	594.0	604.4	608.0	605.4
47.5°	667.6	667.0	664.1	661.1	658.5	655.9	651.7	654.7	663.7	663.1	657.9
50°	726.6	727.9	728.2	731.1	729.2	729.5	721.7	720.1	727.2	723.0	716.6
52.5°	790.1	792.1	798.9	804.7	815.4	816.7	807.0	796.6	795.3	784.3	777.5
55°	863.7	863.4	878.3	894.5	918.1	925.6	903.9	884.4	873.7	852.3	845.2
57.5°	947.0	946.0	968.7	997.2	1040.0	1058.5	1018.6	981.7	955.7	930.1	922.7
60°	1037.4	1039.7	1067.2	1113.6	1187.4	1213.1	1152.8	1091.5	1052.0	1018.6	1015.7
62.5°	1143.1	1143.4	1175.8	1238.7	1334.6	1375.7	1292.8	1209.8	1159.6	1123.0	1115.2
65°	1267.8	1270.1	1304.8	1368.3	1478.5	1529.4	1433.8	1332.6	1273.3	1223.7	1222.8
67.5°	1395.8	1394.5	1426.3	1493.7	1600.0	1647.0	1546.9	1434.1	1356.9	1295.0	1286.9
70°	1477.8	1485.0	1519.3	1583.8	1685.6	1731.3	1609.4	1473.3	1392.6	1335.9	1332.0
72.5°	1408.8	1422.1	1466.5	1573.4	1717.7	1771.8	1594.5	1432.8	1331.0	1274.0	1274.0
75°	1143.7	1165.7	1227.6	1392.3	1606.8	1700.5	1476.2	1253.9	1105.8	1044.9	1044.9
77.5°	696.8	717.8	801.5	1002.4	1297.6	1417.6	1203.3	944.4	772.9	698.4	688.7
80°	231.7	245.3	327.3	509.5	796.6	943.4	806.3	536.4	346.1	263.8	262.5
82.5°	61.6	67.1	93.3	147.8	345.8	511.1	368.8	177.0	101.4	78.8	72.6
85°	21.4	23.0	39.5	49.3	87.8	169.2	102.7	64.2	49.3	29.8	27.9
87.5°	6.2	6.8	15.9	17.2	25.3	19.8	27.9	25.6	23.3	9.7	8.8
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)