

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: P672800

Luminaire Tested: **CCP-SA-1D-727-U-RW**

Issue Date: 04/16/2023



Test Information

Test Method: LM-79-08
Report Number: P672800
Test Lab: INNOVATION CENTER(G2)
Issue Date: 04/16/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCP-SA-1D-727-U-RW
Description: INVUE CLEAR CURVE POLE MOUNT LIGHT SQUARE LUMINAIRE @800mA w/ RW distribution lens
Light Source: (16) 2700K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

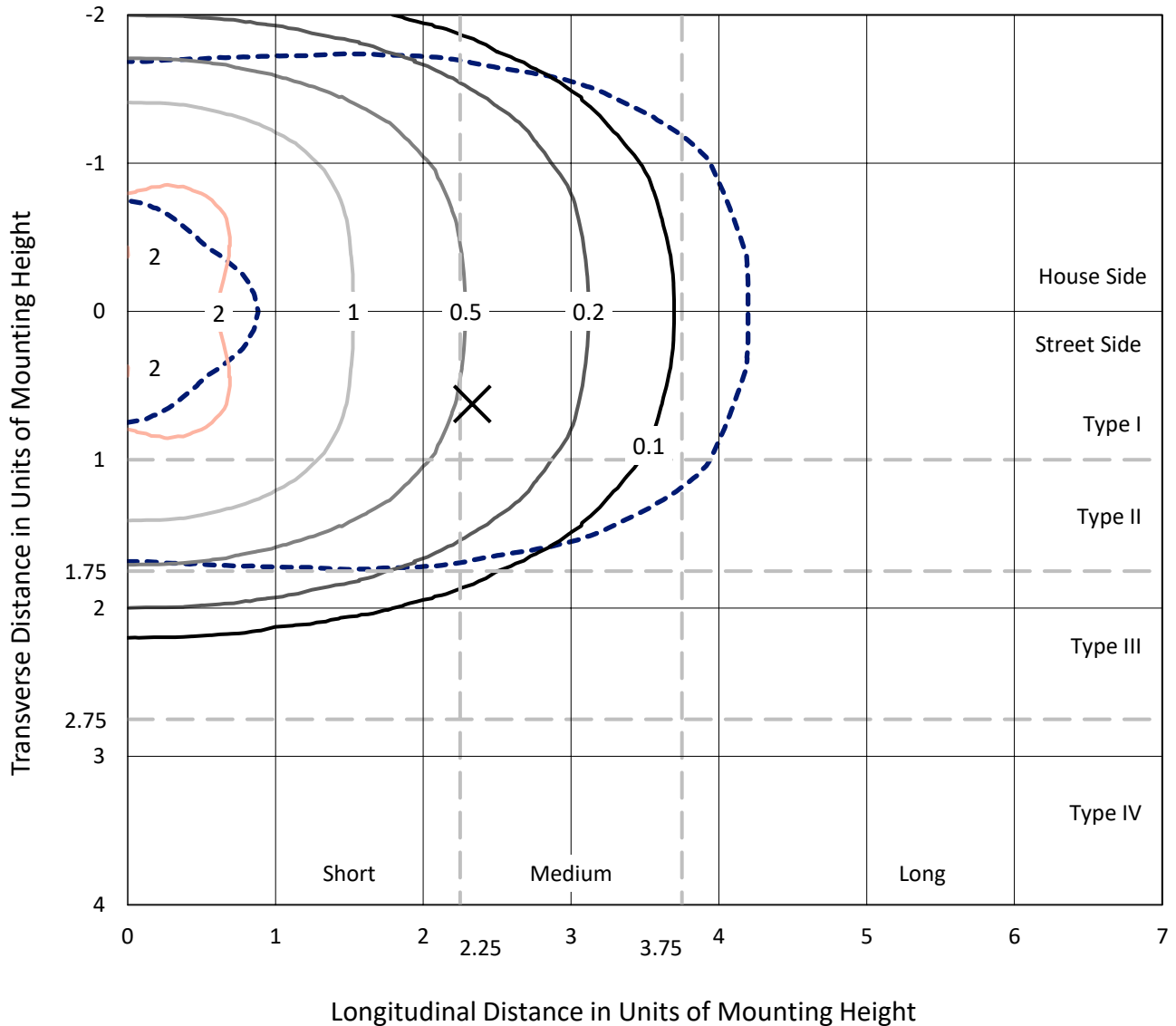
Lumens per Lamp: N/A
Luminaire Lumens: 4744.4 lumens
Efficiency: N/A
Efficacy: 107.8 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B2 - U0 - G2

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

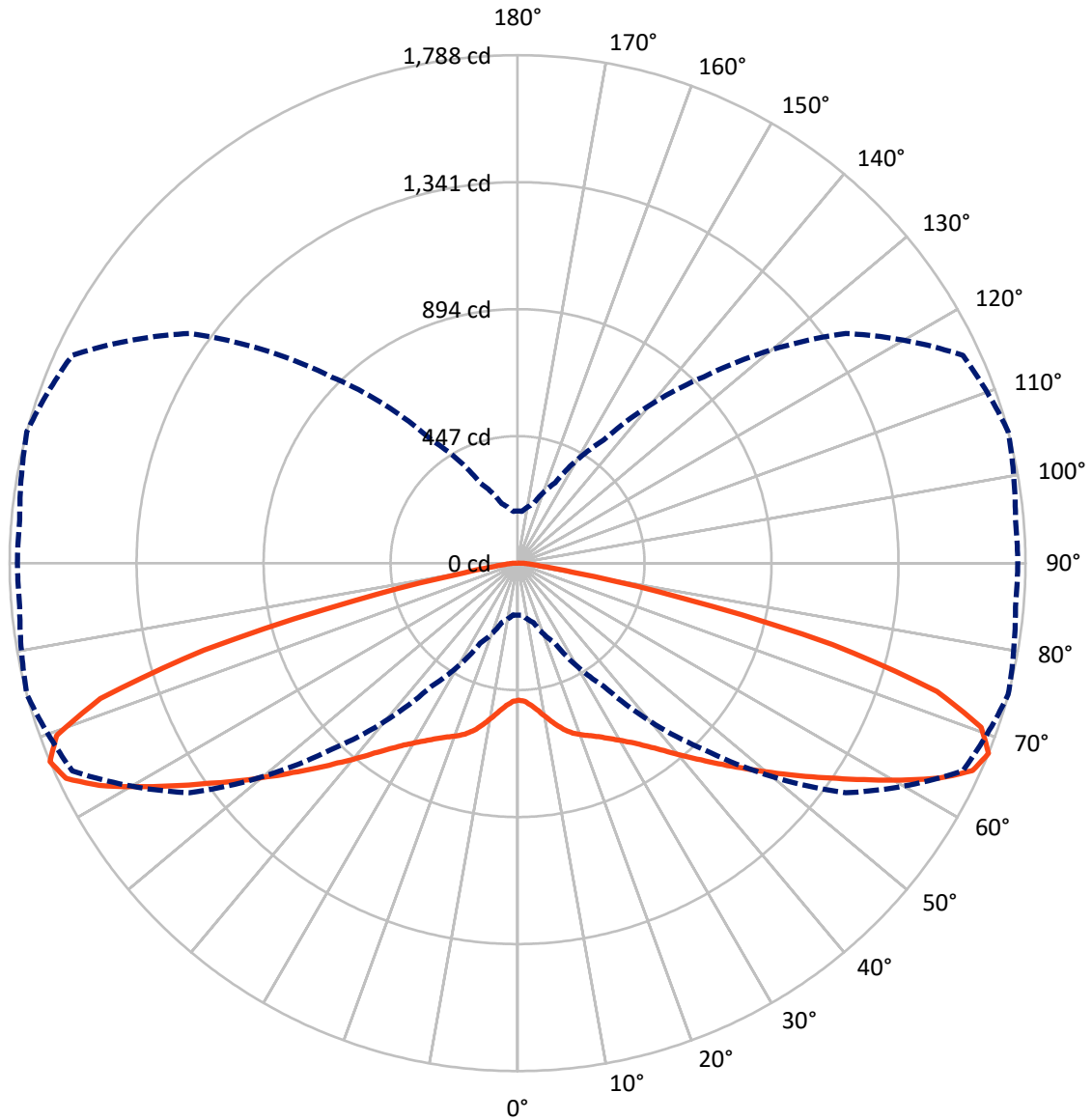
× Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 2.5 fc
 Type II - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 75-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

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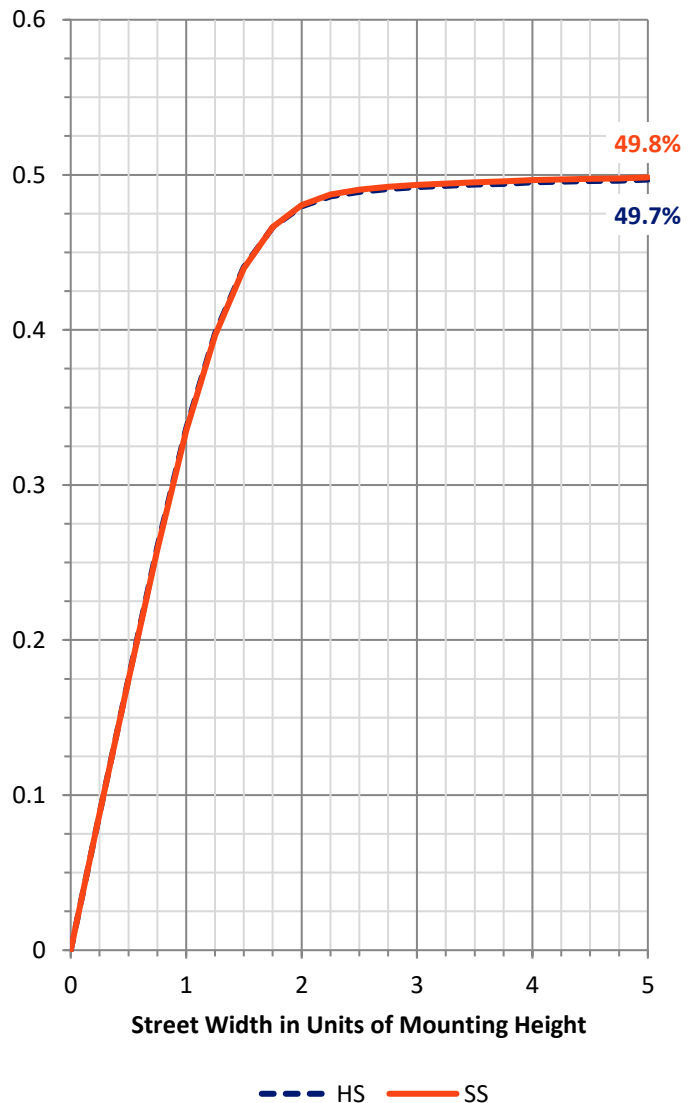
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2372.2	0.0	2372.2
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	2372.2	0.0	2372.2
	% Fixture	50.0	0.0	50.0
Total	Lumens	4744.4	0.0	4744.4
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	47.8	1.0
10°-20°	160.9	3.4
20°-30°	314.2	6.6
30°-40°	542.1	11.4
40°-50°	878.1	18.5
50°-60°	1194.3	25.2
60°-70°	1101.8	23.2
70°-80°	461.0	9.7
80°-90°	44.0	0.9
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°	4744.4	100.0
0°-180°	4744.4	100.0



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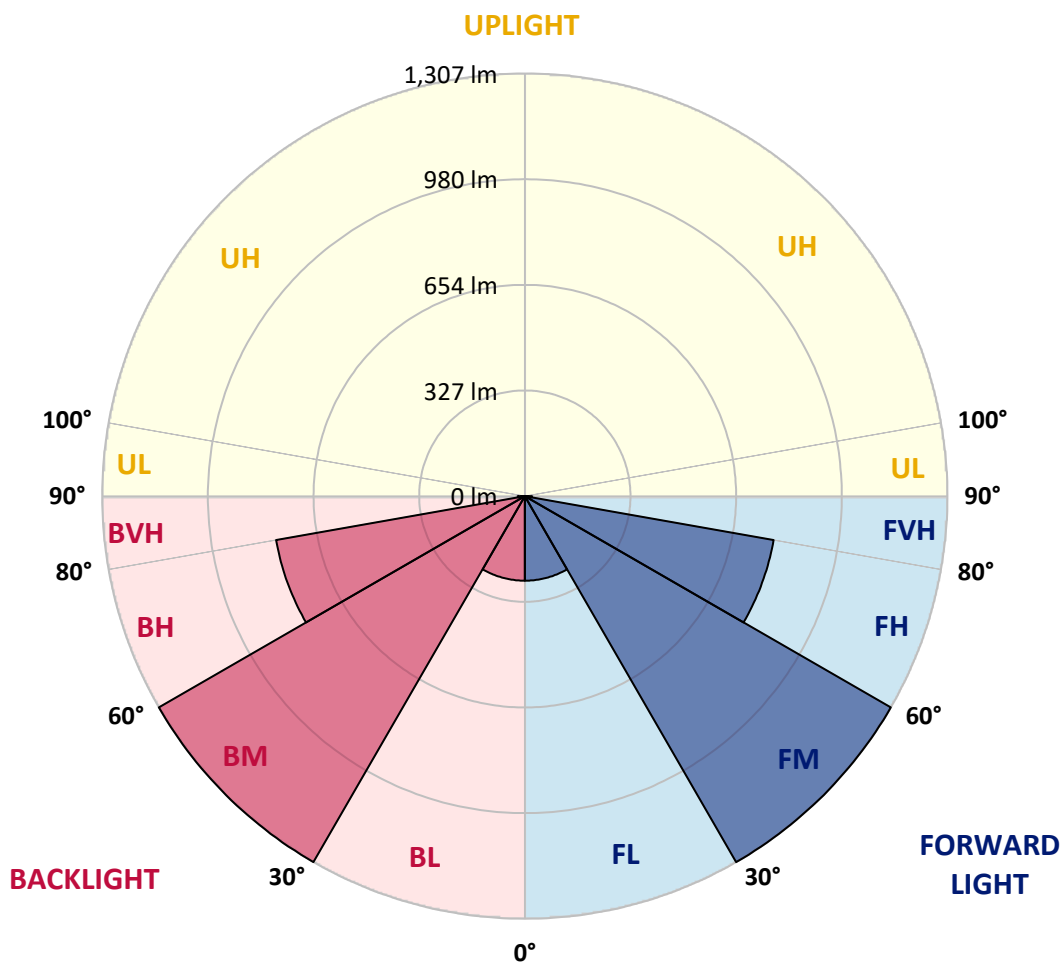
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	261.5	5.5			
FM (30°-60°)	1307.3	27.6			
FH (60°-80°)	781.4	16.5			G1/1800
FVH (80°-90°)	22.0	0.5			G1/100
BL (0°-30°)	261.5	5.5	B1/500		
BM (30°-60°)	1307.3	27.6	B2/2500		
BH (60°-80°)	781.4	16.5	B2/1000		G2/1000
BVH (80°-90°)	22.0	0.5			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G2

Type II Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	482.7	482.7	482.7	482.7	482.7	482.7	482.7	482.7	482.7	482.7	482.7
2.5°	479.6	479.6	481.0	482.7	483.3	484.7	485.1	485.1	487.1	486.8	487.1
5°	478.2	478.2	480.6	483.7	487.1	491.2	495.3	497.7	502.8	503.8	504.2
7.5°	479.6	479.9	483.3	488.5	494.3	501.8	509.6	516.1	524.6	527.7	529.7
10°	484.7	485.1	489.5	496.7	505.5	516.4	527.7	537.9	551.6	557.7	558.7
12.5°	492.6	492.9	499.4	511.0	523.6	537.2	549.9	562.8	579.9	589.1	591.1
15°	504.5	503.5	513.7	530.8	548.5	565.6	576.8	589.4	607.5	619.4	622.5
17.5°	520.9	521.6	534.2	556.0	577.8	595.2	606.5	613.7	629.3	641.6	644.7
20°	541.3	544.4	560.4	585.7	611.3	629.7	637.5	636.5	645.4	655.9	658.3
22.5°	570.3	572.4	591.8	620.1	649.5	668.6	671.6	660.4	660.0	666.9	669.9
25°	604.4	606.1	626.6	659.4	690.4	710.5	707.5	688.0	677.8	678.1	680.2
27.5°	644.4	647.8	668.9	702.3	734.4	752.8	748.4	720.1	700.0	693.8	692.4
30°	696.2	700.0	721.4	753.5	781.8	798.2	791.4	755.6	725.5	715.3	713.3
32.5°	763.7	763.4	785.6	816.6	836.4	847.0	833.7	793.1	755.2	741.6	738.8
35°	833.3	836.7	858.6	888.6	903.6	904.3	883.1	837.4	792.4	768.9	763.7
37.5°	911.8	913.5	938.7	967.0	976.9	971.5	940.1	889.3	837.4	812.5	803.6
40°	992.3	994.0	1023.3	1050.6	1061.5	1048.6	1007.3	946.6	890.6	863.3	858.2
42.5°	1067.0	1071.4	1104.2	1136.2	1146.8	1131.8	1082.0	1009.3	946.9	920.6	913.8
45°	1129.1	1133.8	1170.7	1211.6	1230.4	1218.1	1161.8	1079.9	1011.7	983.4	971.8
47.5°	1175.8	1181.9	1221.2	1270.3	1306.8	1304.4	1246.7	1154.6	1081.3	1047.9	1037.3
50°	1207.9	1214.3	1256.6	1309.5	1364.4	1382.8	1333.0	1237.2	1158.7	1121.2	1114.1
52.5°	1210.2	1216.0	1264.5	1330.3	1403.7	1444.2	1418.0	1324.2	1244.0	1205.1	1200.0
55°	1157.0	1161.1	1225.6	1313.3	1419.7	1491.3	1495.4	1419.0	1335.1	1295.9	1293.5
57.5°	1034.9	1040.7	1117.8	1233.8	1393.1	1521.7	1562.6	1518.3	1438.1	1401.3	1399.2
60°	836.1	843.6	931.6	1085.7	1296.9	1513.8	1619.6	1611.4	1550.7	1514.9	1513.5
62.5°	589.8	592.5	684.3	854.1	1108.6	1430.6	1647.2	1702.1	1667.3	1631.2	1633.2
65°	346.6	350.3	417.5	570.3	840.8	1239.2	1599.4	1765.2	1760.8	1727.7	1731.1
67.5°	183.2	183.2	216.9	311.8	528.7	927.8	1409.5	1730.4	1788.4	1759.4	1761.1
70°	126.6	126.2	132.3	156.6	255.5	575.1	1054.4	1548.3	1732.1	1721.2	1725.7
72.5°	107.1	106.4	106.8	110.2	130.0	259.9	640.3	1192.5	1544.2	1560.9	1564.7
75°	93.8	92.8	92.1	91.4	93.1	118.0	292.0	735.8	1144.8	1249.8	1247.8
77.5°	80.8	80.2	79.5	77.1	74.4	77.4	119.4	330.9	588.8	694.8	687.3
80°	66.5	66.5	67.5	64.1	59.0	57.0	71.3	123.5	195.5	204.0	187.6
82.5°	52.2	52.2	57.3	52.5	46.4	41.3	49.5	65.8	79.5	64.5	52.5
85°	36.8	37.2	47.8	43.7	35.8	23.9	30.7	39.2	44.7	28.3	22.2
87.5°	15.0	16.0	29.7	23.5	22.5	11.9	14.3	17.4	22.2	11.9	9.6
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)