

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: P672447

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

Issue Date: 04/16/2023

Test Information

Test Method: LM-79-08
Report Number: P672447
Test Lab: INNOVATION CENTER(G2)
Issue Date: 04/16/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCP-SA-1F-830-U-5WQ
Description: INVUE CLEAR CURVE POLE MOUNT LIGHT SQUARE LUMINAIRE @1200mA w/ 5WQ
distribution lens
Light Source: (16) 3000K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6244.3 lumens
Efficiency: N/A
Efficacy: 93.2 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B3 - U0 - G2

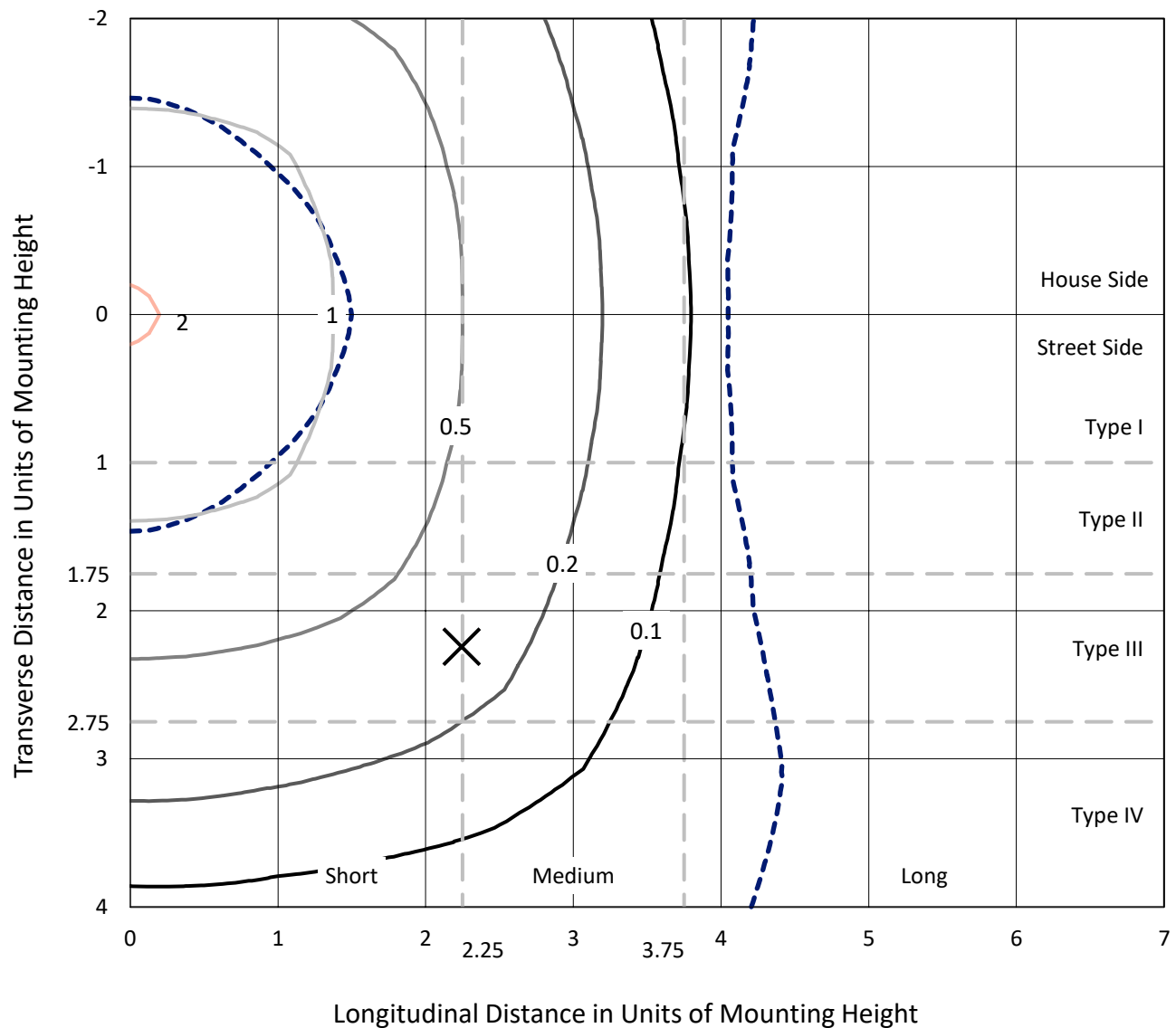
Input Watts (W): 67
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT

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Iso-Footcandle Lines of Horizontal Illumination

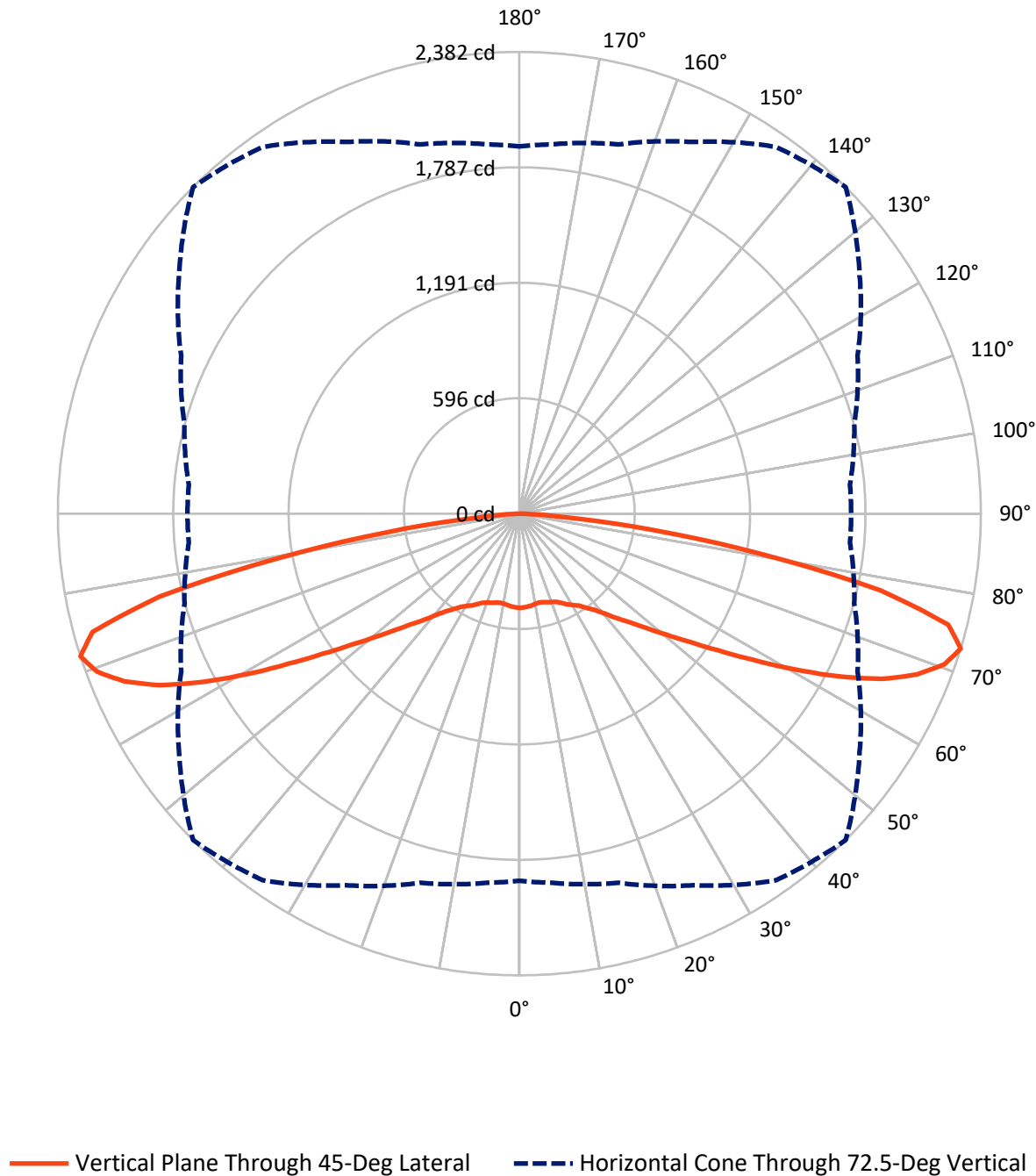
× Max cd
 --- 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 2.2 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



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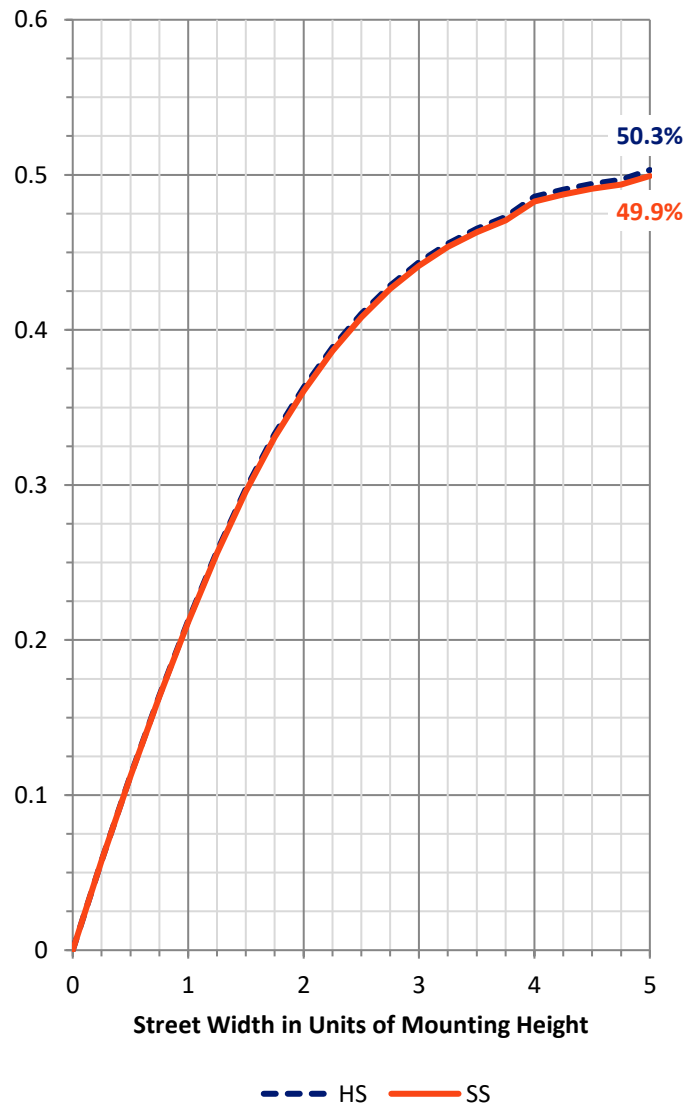
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3122.1	0.0	3122.1
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	3122.1	0.0	3122.1
	% Fixture	50.0	0.0	50.0
Total	Lumens	6244.3	0.0	6244.3
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	45.7	0.7
10°-20°	135.6	2.2
20°-30°	238.2	3.8
30°-40°	380.1	6.1
40°-50°	635.6	10.2
50°-60°	1087.6	17.4
60°-70°	1795.4	28.8
70°-80°	1720.8	27.6
80°-90°	205.2	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°	6244.3	100.0
0°-180°	6244.3	100.0

Coefficient of Utilization



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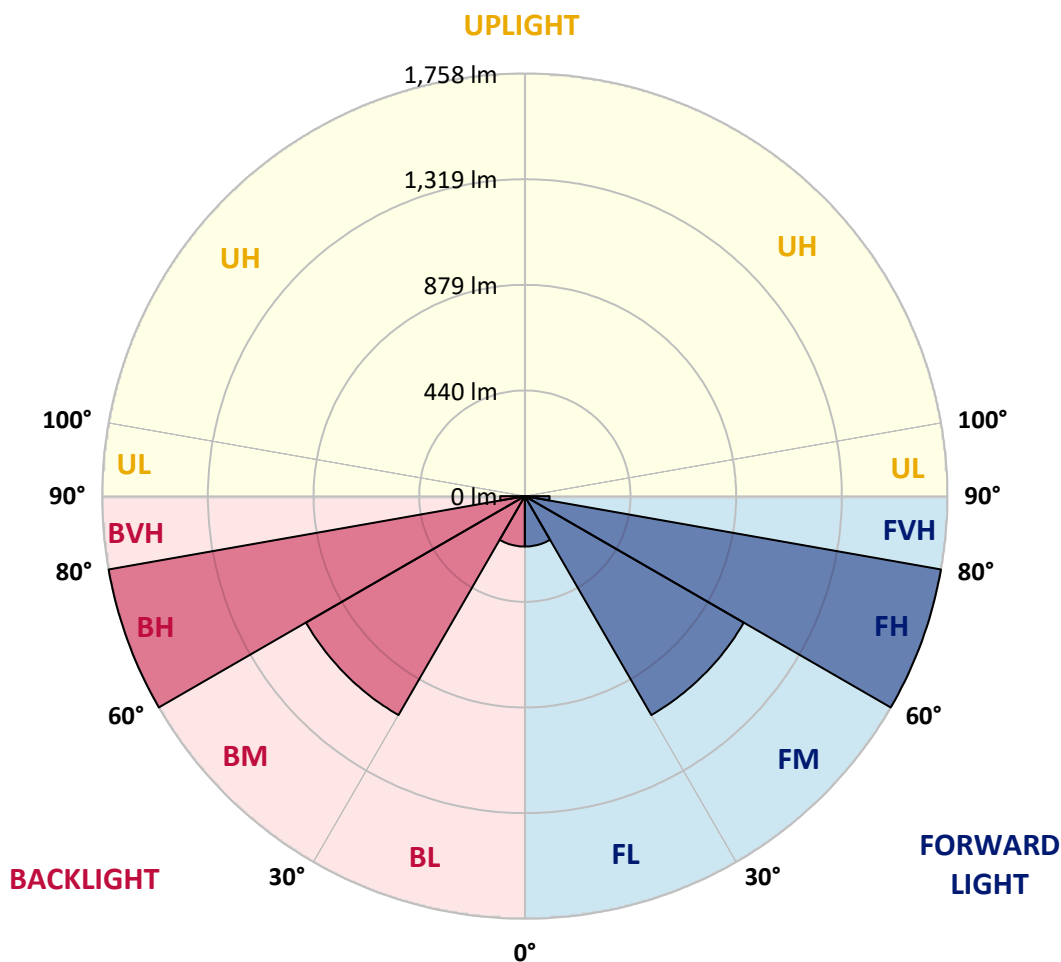
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	209.8	3.4			
FM	(30°-60°)	1051.6	16.8			
FH	(60°-80°)	1758.1	28.2			G1/1800
FVH	(80°-90°)	102.6	1.6			G2/225
BL	(0°-30°)	209.8	3.4	B1/500		
BM	(30°-60°)	1051.6	16.8	B2/2500		
BH	(60°-80°)	1758.1	28.2	B3/2500		G1/1800
BVH	(80°-90°)	102.6	1.6			G2/225
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G2

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	486.2	486.2	486.2	486.2	486.2	486.2	486.2	486.2	486.2	486.2	486.2
2.5°	483.2	483.2	484.5	484.9	484.5	484.1	483.6	483.2	484.5	484.1	484.5
5°	481.9	481.9	482.3	482.8	481.9	481.5	480.6	480.1	481.0	481.0	481.9
7.5°	478.4	478.0	478.4	478.8	477.5	477.1	475.8	475.8	475.8	475.4	476.2
10°	475.4	474.5	474.5	473.6	471.4	471.9	470.1	471.4	473.6	474.0	474.5
12.5°	476.7	475.8	474.9	472.7	469.7	470.1	469.7	471.0	474.0	475.8	477.1
15°	482.8	481.9	479.7	475.8	474.0	474.0	473.2	473.6	478.0	480.6	481.9
17.5°	489.3	487.6	483.6	481.0	479.3	480.6	477.5	477.1	480.6	484.5	485.8
20°	494.5	493.2	488.4	485.4	485.4	486.7	483.6	481.9	485.8	490.6	491.9
22.5°	503.7	502.8	498.0	495.0	495.0	495.4	493.7	492.3	496.7	501.5	502.8
25°	516.7	516.7	512.0	510.6	510.2	511.1	508.9	507.6	511.5	515.0	516.3
27.5°	532.0	530.7	526.8	525.9	527.6	530.7	526.8	523.3	526.3	529.4	529.8
30°	548.1	548.1	544.6	544.6	545.9	547.2	543.8	540.3	543.3	546.8	547.2
32.5°	570.8	569.5	568.2	568.6	568.2	566.4	564.7	564.2	566.9	569.0	569.9
35°	598.7	598.2	596.5	597.4	597.4	597.4	592.1	590.4	594.7	596.5	595.6
37.5°	641.8	641.4	637.0	634.4	631.3	630.0	623.5	623.1	633.5	638.7	637.9
40°	694.5	692.8	688.9	684.5	680.6	678.0	671.4	676.2	687.1	691.0	691.0
42.5°	752.0	749.9	745.5	743.3	740.7	738.1	729.4	731.6	744.6	748.5	744.2
45°	822.6	819.6	814.8	810.0	806.1	800.8	796.5	798.7	812.6	817.4	813.9
47.5°	897.6	896.7	892.8	888.8	885.4	881.9	876.2	880.1	892.3	891.5	884.5
50°	976.9	978.6	979.0	983.0	980.3	980.8	970.3	968.1	977.7	972.1	963.3
52.5°	1062.3	1064.9	1074.0	1081.9	1096.2	1098.0	1084.9	1071.0	1069.2	1054.4	1045.3
55°	1161.2	1160.7	1180.8	1202.6	1234.4	1244.4	1215.2	1189.0	1174.7	1145.9	1136.3
57.5°	1273.1	1271.8	1302.3	1340.7	1398.2	1423.0	1369.4	1319.8	1284.9	1250.5	1240.5
60°	1394.7	1397.7	1434.8	1497.1	1596.4	1630.9	1549.8	1467.5	1414.3	1369.4	1365.5
62.5°	1536.7	1537.2	1580.7	1665.3	1794.2	1849.6	1738.0	1626.5	1559.0	1509.7	1499.3
65°	1704.5	1707.5	1754.2	1839.6	1987.7	2056.1	1927.6	1791.6	1711.9	1645.2	1643.9
67.5°	1876.6	1874.8	1917.5	2008.2	2151.1	2214.3	2079.6	1928.0	1824.3	1741.1	1730.2
70°	1986.8	1996.4	2042.6	2129.3	2266.1	2327.5	2163.7	1980.7	1872.2	1796.0	1790.8
72.5°	1894.0	1911.9	1971.6	2115.4	2309.2	2382.0	2143.7	1926.3	1789.4	1712.8	1712.8
75°	1537.6	1567.2	1650.5	1871.8	2160.2	2286.2	1984.6	1685.7	1486.6	1404.7	1404.7
77.5°	936.8	965.1	1077.5	1347.6	1744.6	1905.8	1617.8	1269.6	1039.2	938.9	925.9
80°	311.5	329.8	440.1	684.9	1071.0	1268.3	1084.0	721.1	465.3	354.7	352.9
82.5°	82.8	90.2	125.5	198.7	464.9	687.1	495.8	237.9	136.4	105.9	97.6
85°	28.8	30.9	53.2	66.2	118.1	227.4	138.1	86.3	66.2	40.1	37.5
87.5°	8.3	9.1	21.3	23.1	34.0	26.6	37.5	34.4	31.4	13.1	11.8
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)