

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: P672468

Luminaire Tested: **CCP-SA-1E-840-U-5WQ**

Issue Date: 04/16/2023

Test Information

Test Method: LM-79-08
Report Number: P672468
Test Lab: INNOVATION CENTER(G2)
Issue Date: 04/16/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCP-SA-1E-840-U-5WQ
Description: INVUE CLEAR CURVE POLE MOUNT LIGHT SQUARE LUMINAIRE @1050mA w/ 5WQ
distribution lens
Light Source: (16) 4000K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6109.7 lumens
Efficiency: N/A
Efficacy: 108.9 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B3 - U0 - G2

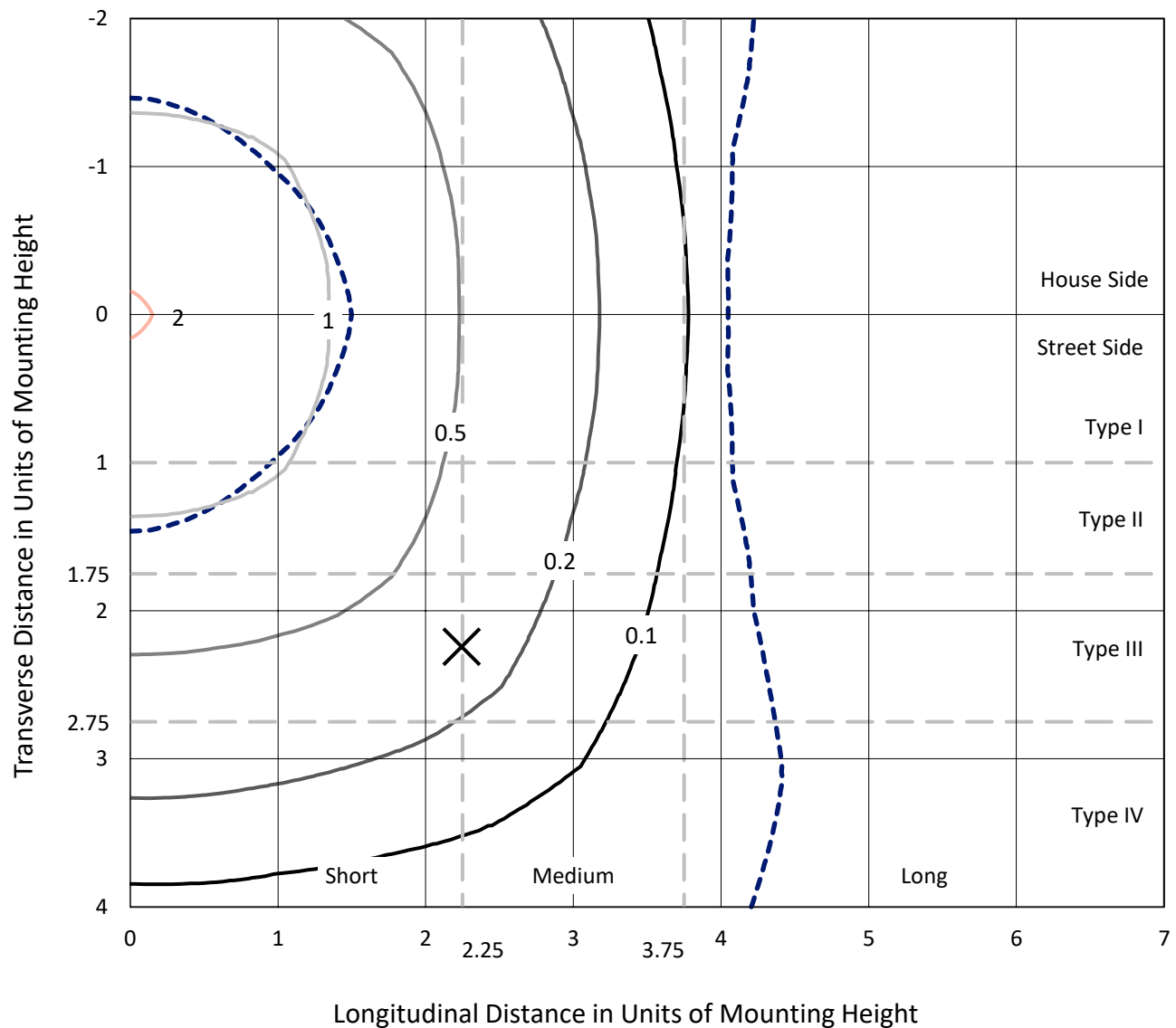
Input Watts (W): 56.1
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT

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Iso-Footcandle Lines of Horizontal Illumination

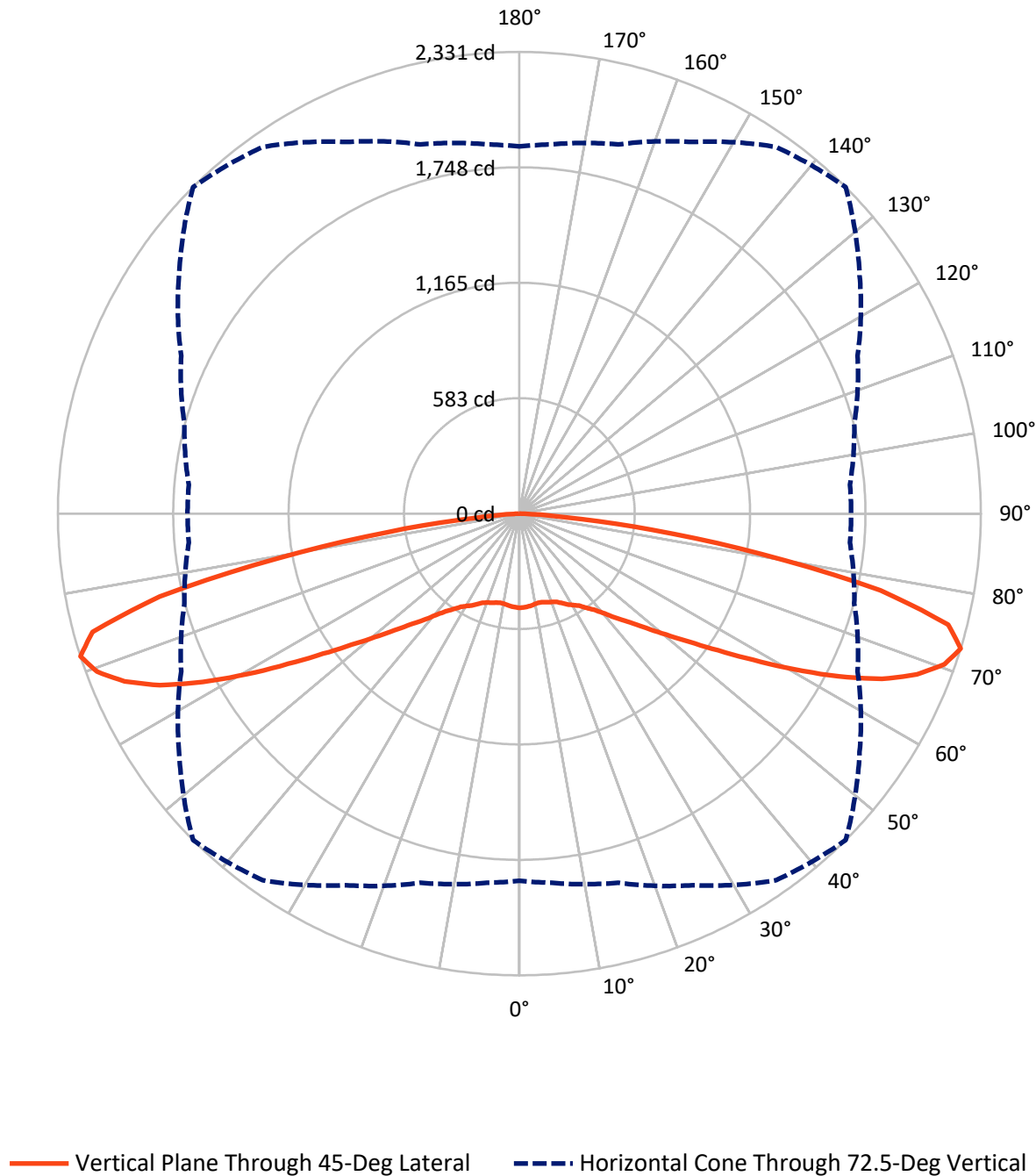
× Max cd
- - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 2.1 fc
Type V - Short - N/A

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Luminous Intensity Polar Plot



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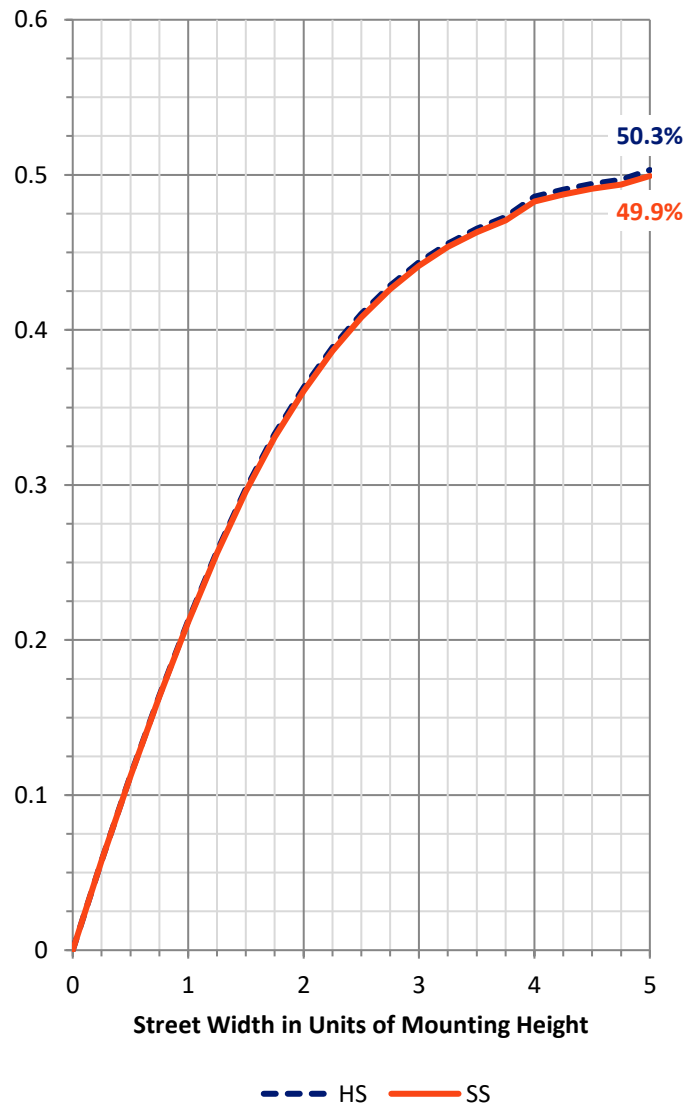
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3054.8	0.0	3054.8
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	3054.8	0.0	3054.8
	% Fixture	50.0	0.0	50.0
Total	Lumens	6109.7	0.0	6109.7
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	44.7	0.7
10°-20°	132.7	2.2
20°-30°	233.1	3.8
30°-40°	371.9	6.1
40°-50°	621.9	10.2
50°-60°	1064.1	17.4
60°-70°	1756.7	28.8
70°-80°	1683.8	27.6
80°-90°	200.8	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°	6109.7	100.0
0°-180°	6109.7	100.0



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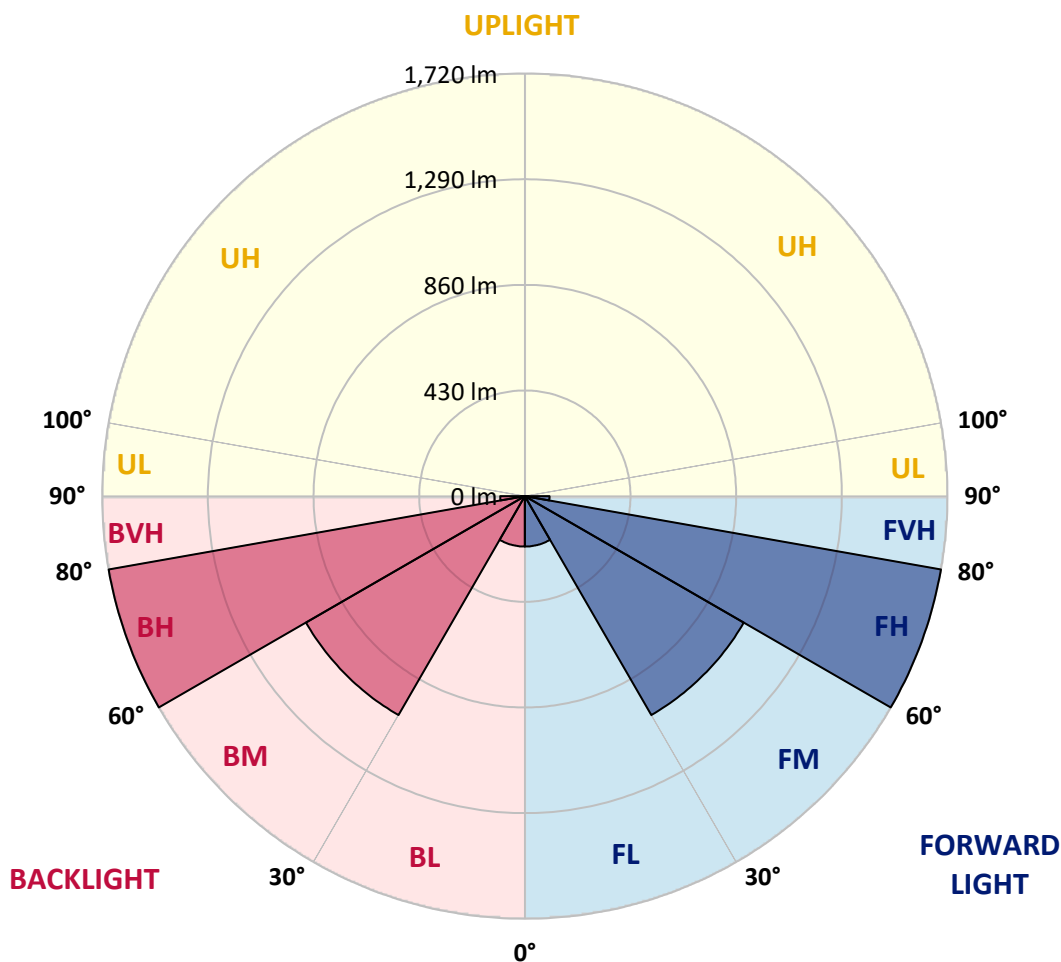
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	205.2	3.4			
FM	(30°-60°)	1028.9	16.8			
FH	(60°-80°)	1720.2	28.2			G1/1800
FVH	(80°-90°)	100.4	1.6			G2/225
BL	(0°-30°)	205.2	3.4	B1/500		
BM	(30°-60°)	1028.9	16.8	B2/2500		
BH	(60°-80°)	1720.2	28.2	B3/2500		G1/1800
BVH	(80°-90°)	100.4	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°	475.8	475.8	475.8	475.8	475.8	475.8	475.8	475.8	475.8	475.8	475.8
2.5°	472.8	472.8	474.1	474.5	474.1	473.6	473.2	472.8	474.1	473.6	474.1
5°	471.5	471.5	471.9	472.4	471.5	471.1	470.2	469.8	470.7	470.7	471.5
7.5°	468.1	467.7	468.1	468.5	467.2	466.8	465.5	465.5	465.5	465.1	466.0
10°	465.1	464.3	464.3	463.4	461.3	461.7	460.0	461.3	463.4	463.8	464.3
12.5°	466.4	465.5	464.7	462.6	459.6	460.0	459.6	460.8	463.8	465.5	466.8
15°	472.4	471.5	469.4	465.5	463.8	463.8	463.0	463.4	467.7	470.2	471.5
17.5°	478.8	477.0	473.2	470.7	468.9	470.2	467.2	466.8	470.2	474.1	475.3
20°	483.9	482.6	477.9	474.9	474.9	476.2	473.2	471.5	475.3	480.0	481.3
22.5°	492.8	492.0	487.3	484.3	484.3	484.7	483.0	481.7	486.0	490.7	492.0
25°	505.6	505.6	500.9	499.6	499.2	500.1	497.9	496.7	500.5	503.9	505.2
27.5°	520.5	519.3	515.4	514.6	516.3	519.3	515.4	512.0	515.0	518.0	518.4
30°	536.3	536.3	532.9	532.9	534.2	535.5	532.0	528.6	531.6	535.0	535.5
32.5°	558.5	557.2	555.9	556.3	555.9	554.2	552.5	552.1	554.6	556.8	557.6
35°	585.8	585.3	583.6	584.5	584.5	584.5	579.4	577.7	581.9	583.6	582.8
37.5°	628.0	627.5	623.3	620.7	617.7	616.5	610.1	609.6	619.9	625.0	624.1
40°	679.5	677.8	674.0	669.7	665.9	663.3	657.0	661.6	672.3	676.1	676.1
42.5°	735.8	733.7	729.4	727.3	724.7	722.2	713.7	715.8	728.6	732.4	728.1
45°	804.9	801.9	797.2	792.5	788.7	783.6	779.3	781.4	795.1	799.8	796.4
47.5°	878.2	877.4	873.5	869.7	866.3	862.9	857.3	861.2	873.1	872.2	865.4
50°	955.8	957.5	957.9	961.8	959.2	959.6	949.4	947.3	956.7	951.1	942.6
52.5°	1039.4	1041.9	1050.9	1058.5	1072.6	1074.3	1061.5	1047.9	1046.2	1031.7	1022.7
55°	1136.1	1135.7	1155.3	1176.6	1207.8	1217.6	1189.0	1163.4	1149.3	1121.2	1111.8
57.5°	1245.7	1244.4	1274.3	1311.8	1368.0	1392.3	1339.9	1291.3	1257.2	1223.5	1213.7
60°	1364.6	1367.6	1403.9	1464.8	1562.0	1595.7	1516.4	1435.8	1383.8	1339.9	1336.1
62.5°	1503.6	1504.0	1546.7	1629.4	1755.6	1809.7	1700.6	1591.4	1525.4	1477.2	1467.0
65°	1667.7	1670.7	1716.3	1799.9	1944.9	2011.8	1886.0	1753.0	1675.0	1609.8	1608.5
67.5°	1836.1	1834.4	1876.2	1964.9	2104.7	2166.5	2034.8	1886.4	1785.0	1703.6	1692.9
70°	1944.0	1953.4	1998.6	2083.4	2217.3	2277.4	2117.1	1938.0	1831.9	1757.3	1752.2
72.5°	1853.2	1870.7	1929.1	2069.8	2259.5	2330.7	2097.5	1884.7	1750.9	1675.8	1675.8
75°	1504.5	1533.5	1614.9	1831.5	2113.7	2236.9	1941.9	1649.4	1454.6	1374.4	1374.4
77.5°	916.6	944.3	1054.3	1318.6	1707.0	1864.7	1582.9	1242.3	1016.8	918.7	905.9
80°	304.8	322.7	430.6	670.2	1047.9	1241.0	1060.7	705.6	455.3	347.0	345.3
82.5°	81.0	88.2	122.8	194.4	454.9	672.3	485.1	232.8	133.4	103.6	95.5
85°	28.1	30.3	52.0	64.8	115.5	222.5	135.1	84.4	64.8	39.2	36.7
87.5°	8.1	9.0	20.9	22.6	33.3	26.0	36.7	33.7	30.7	12.8	11.5
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)