

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: P672484

Luminaire Tested: **CCP-SA-2D-850-U-5WQ**

Issue Date: 04/16/2023



Test Information

Test Method: LM-79-08
Report Number: P672484
Test Lab: INNOVATION CENTER(G2)
Issue Date: 04/16/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCP-SA-2D-850-U-5WQ
Description: INVUE CLEAR CURVE POLE MOUNT LIGHT SQUARE LUMINAIRE @800mA w/ 5WQ
distribution lens
Light Source: (32) 5000K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

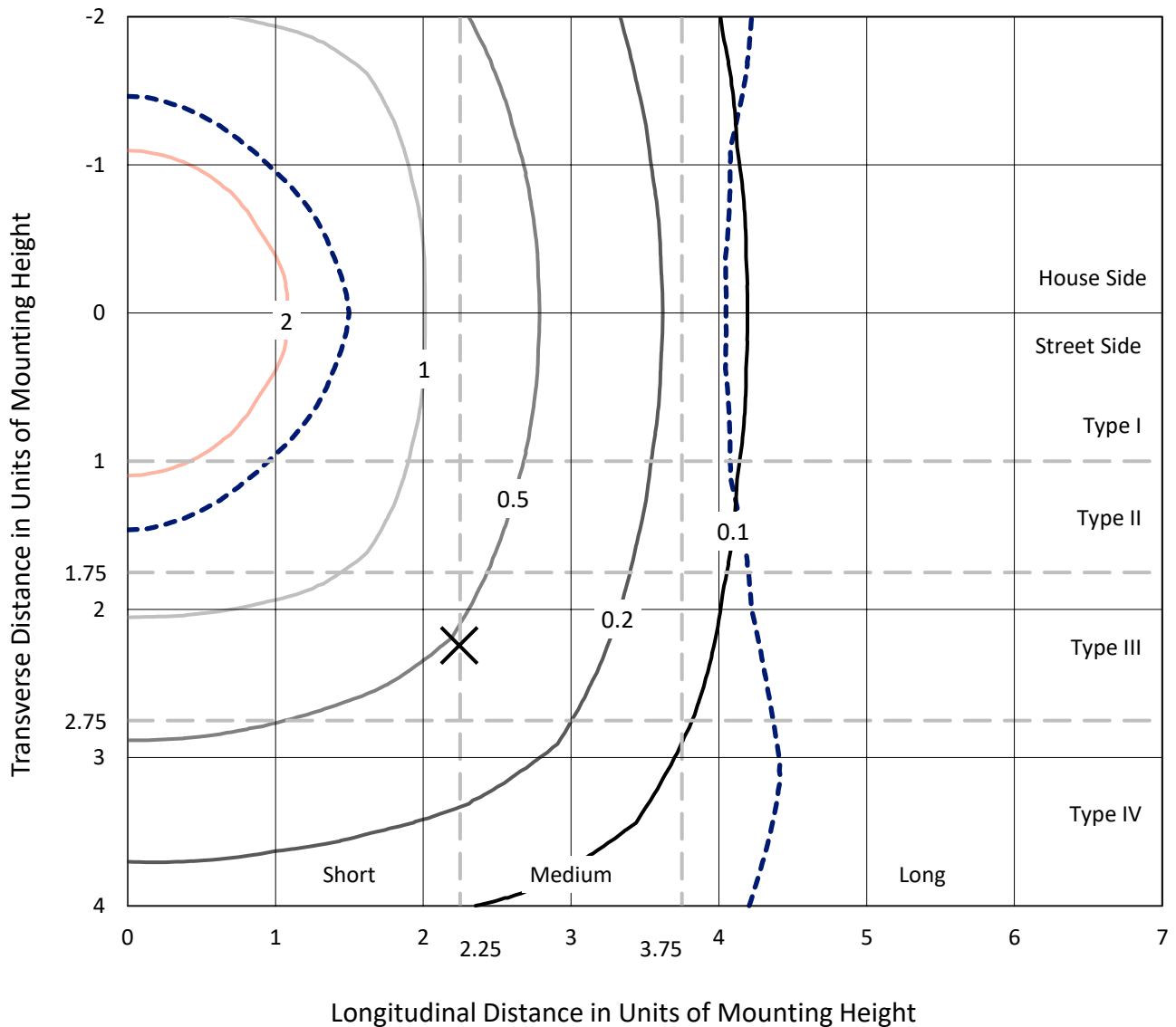
Lumens per Lamp: N/A
Luminaire Lumens: 10200.1 lumens
Efficiency: N/A
Efficacy: 126.2 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B4 - U0 - G2

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

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Iso-Footcandle Lines of Horizontal Illumination

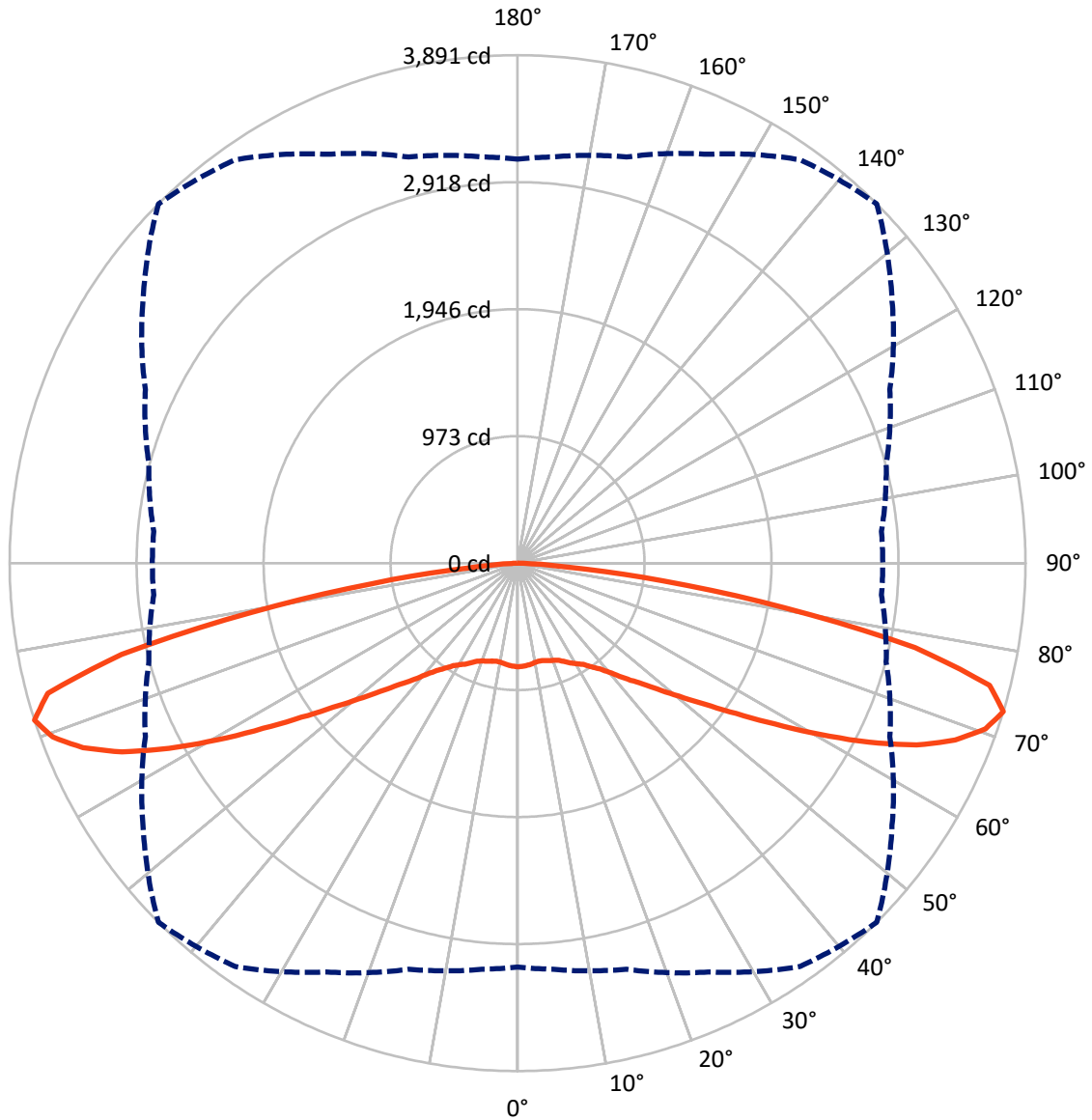
✕ Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 3.5 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



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

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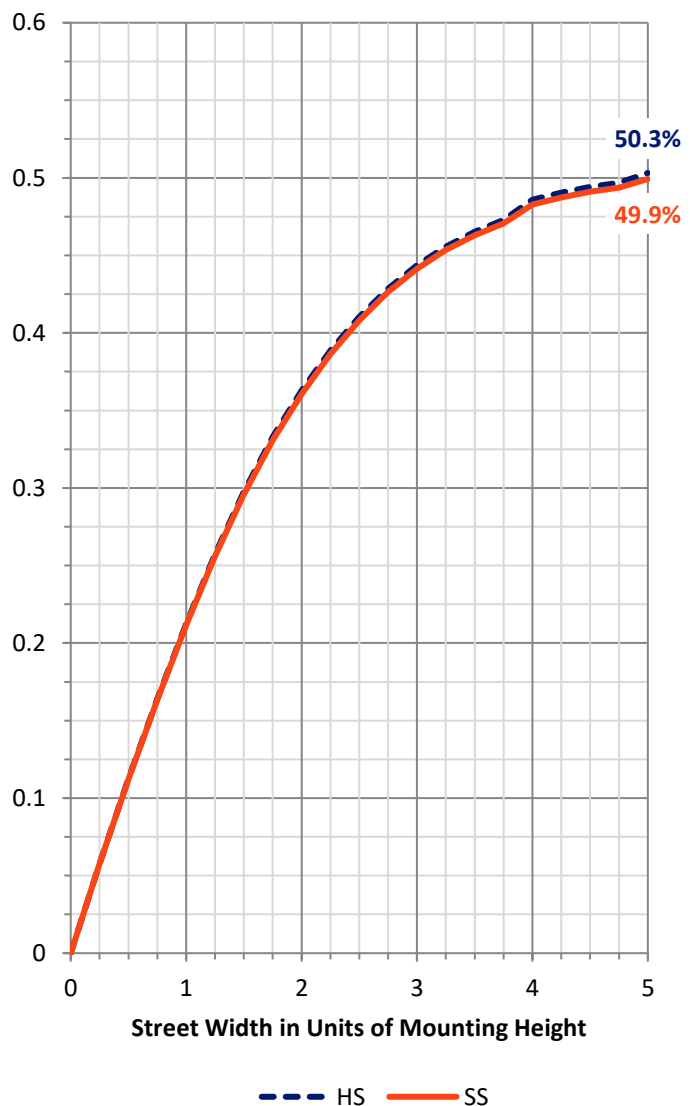
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	5100.0	0.0	5100.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	5100.0	0.0	5100.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	10200.1	0.0	10200.1
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	74.6	0.7
10°-20°	221.6	2.2
20°-30°	389.2	3.8
30°-40°	620.9	6.1
40°-50°	1038.2	10.2
50°-60°	1776.6	17.4
60°-70°	2932.9	28.8
70°-80°	2811.0	27.6
80°-90°	335.2	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°	10200.1	100.0
0°-180°	10200.1	100.0



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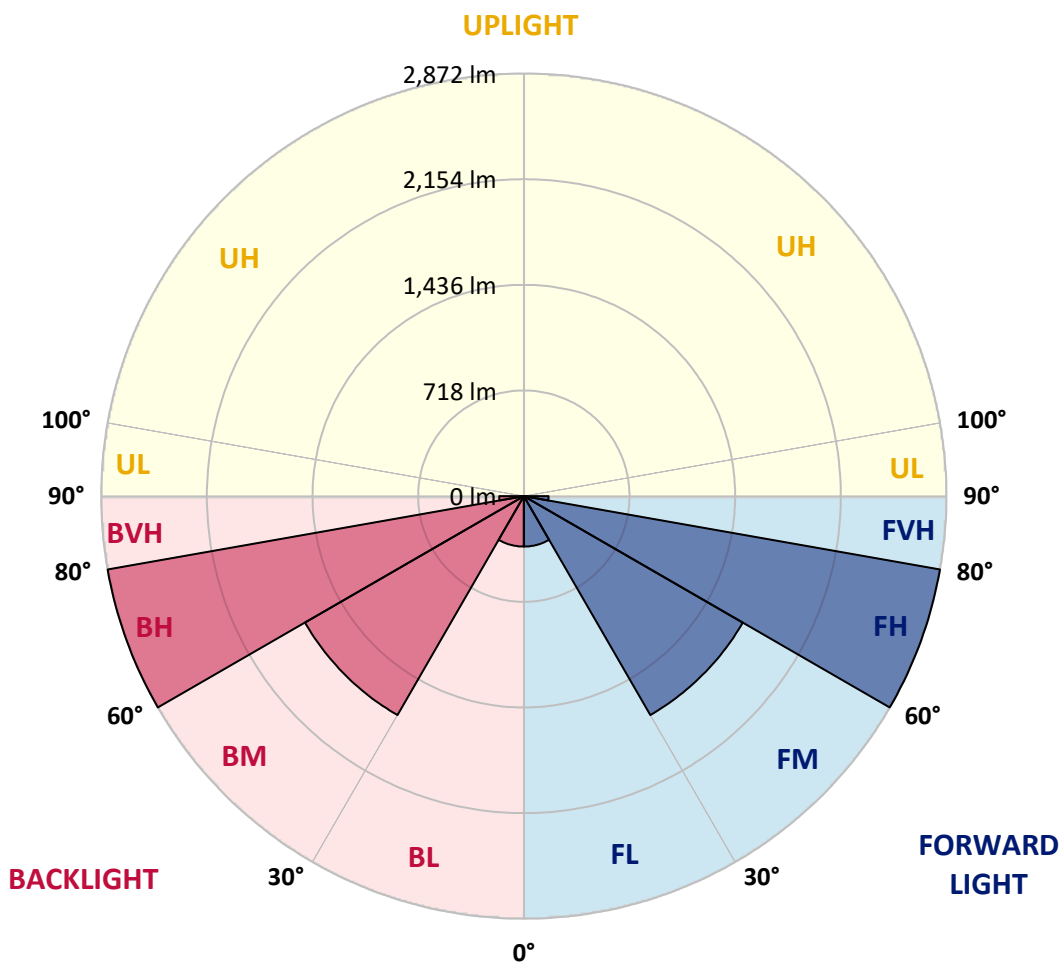
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	342.7	3.4			
FM (30°-60°)	1717.8	16.8			
FH (60°-80°)	2871.9	28.2			G2/5000
FVH (80°-90°)	167.6	1.6			G2/225
BL (0°-30°)	342.7	3.4	B1/500		
BM (30°-60°)	1717.8	16.8	B2/2500		
BH (60°-80°)	2871.9	28.2	B4/5000		G2/5000
BVH (80°-90°)	167.6	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°	794.3	794.3	794.3	794.3	794.3	794.3	794.3	794.3	794.3	794.3	794.3
2.5°	789.3	789.3	791.4	792.2	791.4	790.7	790.0	789.3	791.4	790.7	791.4
5°	787.2	787.2	787.9	788.6	787.2	786.5	785.0	784.3	785.8	785.8	787.2
7.5°	781.5	780.8	781.5	782.2	780.1	779.3	777.2	777.2	777.2	776.5	777.9
10°	776.5	775.1	775.1	773.7	770.1	770.8	768.0	770.1	773.7	774.4	775.1
12.5°	778.6	777.2	775.8	772.2	767.2	768.0	767.2	769.4	774.4	777.2	779.3
15°	788.6	787.2	783.6	777.2	774.4	774.4	772.9	773.7	780.8	785.0	787.2
17.5°	799.3	796.4	790.0	785.8	782.9	785.0	780.1	779.3	785.0	791.4	793.6
20°	807.8	805.7	797.9	792.9	792.9	795.0	790.0	787.2	793.6	801.4	803.5
22.5°	822.8	821.3	813.5	808.5	808.5	809.2	806.4	804.3	811.4	819.2	821.3
25°	844.1	844.1	836.3	834.2	833.4	834.9	831.3	829.2	835.6	841.3	843.4
27.5°	869.0	866.9	860.5	859.1	861.9	866.9	860.5	854.8	859.8	864.8	865.5
30°	895.4	895.4	889.7	889.7	891.8	893.9	888.2	882.5	887.5	893.2	893.9
32.5°	932.4	930.2	928.1	928.8	928.1	925.3	922.4	921.7	926.0	929.5	930.9
35°	977.9	977.2	974.4	975.8	975.8	975.8	967.2	964.4	971.5	974.4	972.9
37.5°	1048.4	1047.7	1040.6	1036.3	1031.3	1029.2	1018.5	1017.8	1034.9	1043.4	1042.0
40°	1134.5	1131.7	1125.3	1118.1	1111.7	1107.5	1096.8	1104.6	1122.4	1128.8	1128.8
42.5°	1228.5	1224.9	1217.8	1214.2	1209.9	1205.7	1191.4	1195.0	1216.4	1222.8	1215.6
45°	1343.8	1338.8	1330.9	1323.1	1316.7	1308.2	1301.0	1304.6	1327.4	1335.2	1329.5
47.5°	1466.2	1464.7	1458.3	1451.9	1446.2	1440.5	1431.3	1437.7	1457.6	1456.2	1444.8
50°	1595.7	1598.6	1599.3	1605.7	1601.4	1602.1	1585.0	1581.5	1597.1	1587.9	1573.6
52.5°	1735.2	1739.5	1754.4	1767.2	1790.7	1793.6	1772.2	1749.4	1746.6	1722.4	1707.4
55°	1896.8	1896.1	1928.8	1964.4	2016.3	2032.7	1985.0	1942.3	1918.8	1871.9	1856.2
57.5°	2079.7	2077.6	2127.4	2190.0	2284.0	2324.5	2237.0	2155.8	2098.9	2042.7	2026.3
60°	2278.3	2283.2	2343.7	2445.5	2607.8	2664.0	2531.6	2397.1	2310.3	2237.0	2230.6
62.5°	2510.3	2511.0	2582.2	2720.2	2930.9	3021.3	2839.1	2656.9	2546.6	2466.2	2449.1
65°	2784.3	2789.3	2865.4	3004.9	3246.9	3358.7	3148.7	2926.6	2796.4	2687.5	2685.4
67.5°	3065.4	3062.6	3132.3	3280.4	3513.8	3617.0	3397.1	3149.4	2980.0	2844.1	2826.3
70°	3245.5	3261.2	3336.6	3478.2	3701.7	3802.1	3534.5	3235.5	3058.3	2933.8	2925.2
72.5°	3093.9	3123.1	3220.6	3455.5	3772.2	3891.0	3501.7	3146.6	2923.1	2797.8	2797.8
75°	2511.7	2560.1	2696.0	3057.6	3528.8	3734.5	3241.9	2753.7	2428.4	2294.6	2294.6
77.5°	1530.2	1576.5	1760.1	2201.4	2849.8	3113.1	2642.7	2074.0	1697.5	1533.8	1512.4
80°	508.9	538.8	718.9	1118.8	1749.4	2071.9	1770.8	1177.9	760.1	579.4	576.5
82.5°	135.2	147.3	205.0	324.6	759.4	1122.4	810.0	388.6	222.8	173.0	159.4
85°	47.0	50.5	86.8	108.2	192.9	371.5	225.6	140.9	108.2	65.5	61.2
87.5°	13.5	14.9	34.9	37.7	55.5	43.4	61.2	56.2	51.2	21.4	19.2
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)