

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: P672772

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

Issue Date: 04/16/2023



Test Information

Test Method: LM-79-08
Report Number: P672772
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-5NQ
Description: INVUE CLEAR CURVE POLE MOUNT LIGHT SQUARE LUMINAIRE @800mA w/ 5NQ
distribution lens
Light Source: (32) 5000K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

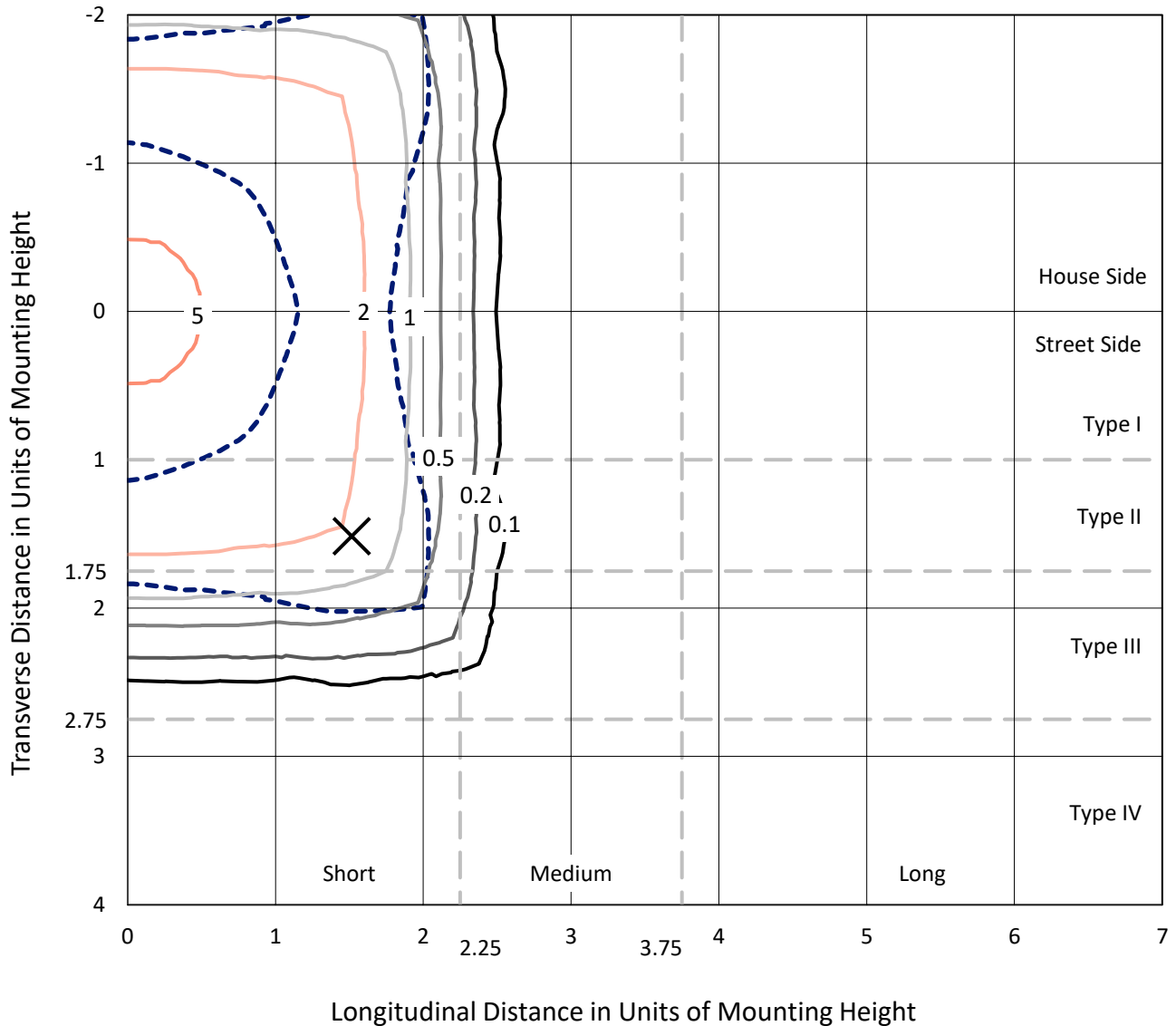
Lumens per Lamp: N/A
Luminaire Lumens: 10127.2 lumens
Efficiency: N/A
Efficacy: 125.3 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B3 - U0 - G1

Input Watts (W): 80.8
Input Voltage (V): 120
Input Current (A_{in}): 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

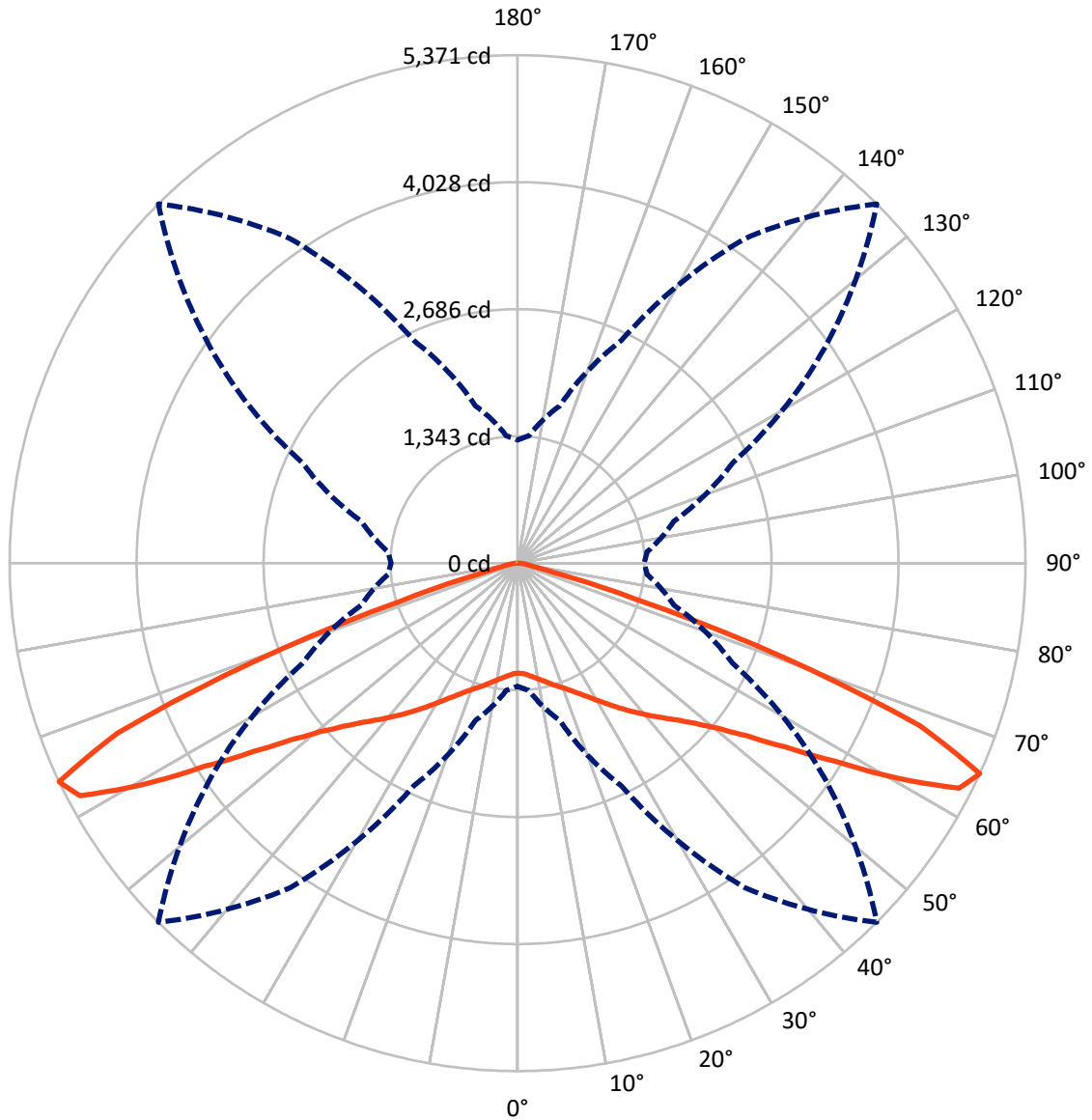
× Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 5.3 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 65-Deg Vertical

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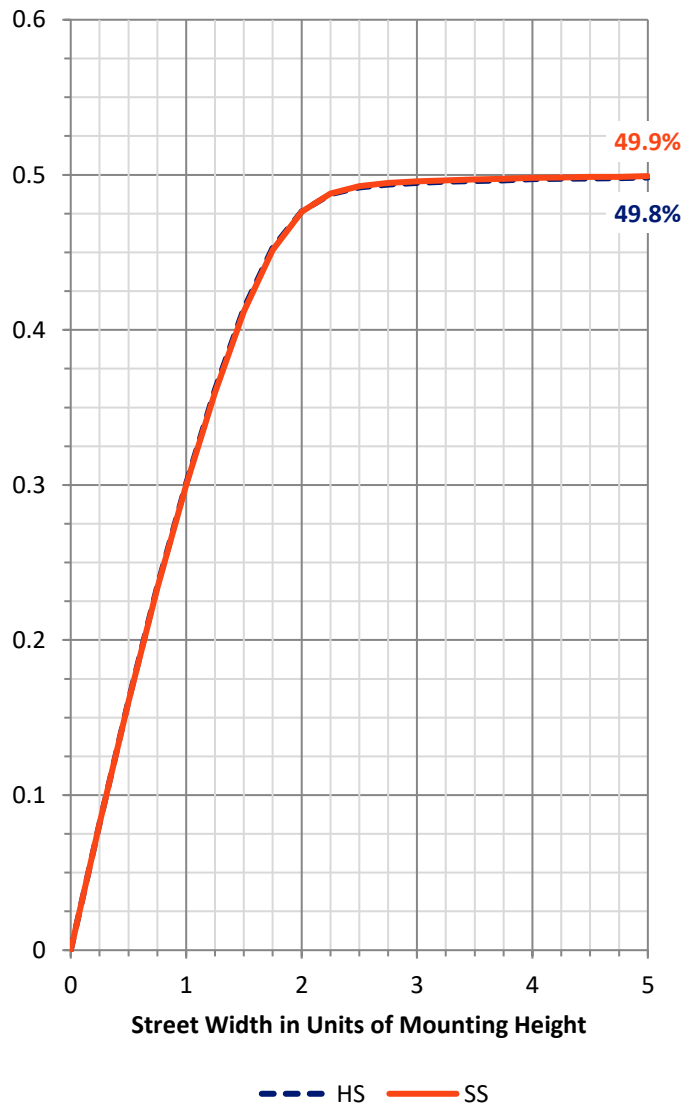
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	5063.6	0.0	5063.6
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	5063.6	0.0	5063.6
	% Fixture	50.0	0.0	50.0
Total	Lumens	10127.2	0.0	10127.2
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	115.3	1.1
10°-20°	376.5	3.7
20°-30°	714.1	7.1
30°-40°	1197.5	11.8
40°-50°	1895.0	18.7
50°-60°	2977.0	29.4
60°-70°	2515.3	24.8
70°-80°	292.9	2.9
80°-90°	43.6	0.4
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°	10127.2	100.0
0°-180°	10127.2	100.0



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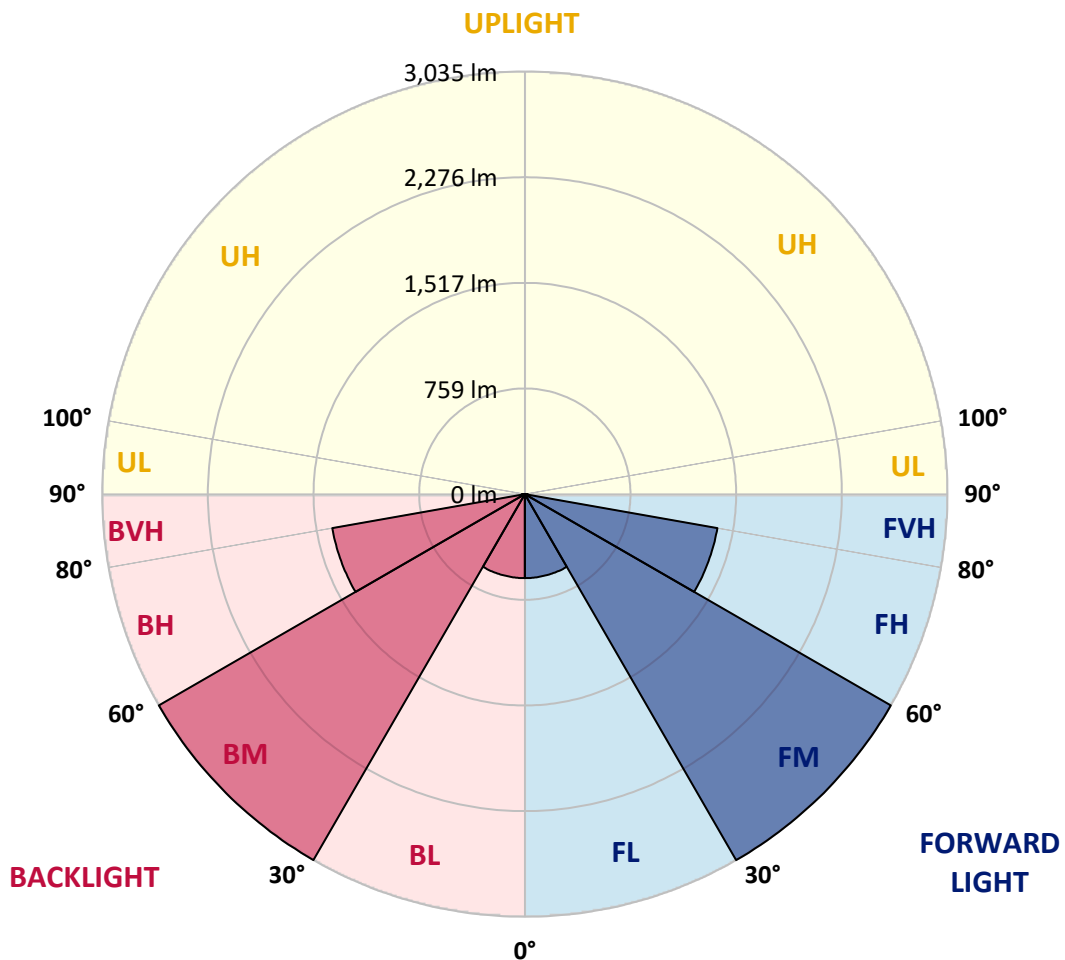
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	602.9	6.0			
FM (30°-60°)	3034.8	30.0			
FH (60°-80°)	1404.1	13.9			G1/1800
FVH (80°-90°)	21.8	0.2			G1/100
BL (0°-30°)	602.9	6.0	B2/1000		
BM (30°-60°)	3034.8	30.0	B3/5000		
BH (60°-80°)	1404.1	13.9	B3/2500		G1/1800
BVH (80°-90°)	21.8	0.2			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°	1164.5	1164.5	1164.5	1164.5	1164.5	1164.5	1164.5	1164.5	1164.5	1164.5	1164.5
2.5°	1170.9	1167.3	1170.9	1170.9	1168.7	1169.4	1166.6	1165.9	1169.4	1166.6	1165.9
5°	1195.1	1192.2	1195.1	1192.9	1189.4	1190.1	1185.8	1184.4	1188.7	1184.4	1185.1
7.5°	1222.8	1217.8	1219.3	1221.4	1217.8	1217.8	1214.3	1212.1	1214.3	1210.0	1212.9
10°	1246.3	1242.0	1244.2	1247.0	1246.3	1248.4	1244.9	1243.5	1241.3	1236.3	1240.6
12.5°	1276.9	1275.5	1278.3	1281.9	1280.5	1283.3	1275.5	1273.4	1272.6	1266.9	1271.9
15°	1316.8	1313.2	1318.2	1322.5	1320.3	1325.3	1318.9	1316.1	1312.5	1305.4	1309.7
17.5°	1356.6	1353.8	1360.9	1363.0	1363.7	1368.0	1363.0	1358.8	1357.3	1352.4	1349.5
20°	1404.3	1400.8	1406.5	1410.7	1407.2	1412.1	1410.0	1407.2	1405.7	1397.9	1397.2
22.5°	1457.7	1452.7	1461.3	1466.2	1461.3	1466.2	1462.0	1461.3	1462.0	1450.6	1452.0
25°	1517.5	1518.2	1526.7	1530.3	1527.5	1530.3	1523.9	1528.2	1526.0	1513.9	1509.7
27.5°	1594.4	1591.5	1600.8	1611.4	1604.3	1604.3	1601.5	1605.8	1605.0	1593.7	1590.8
30°	1684.0	1683.3	1696.9	1703.3	1693.3	1689.0	1688.3	1699.0	1699.7	1687.6	1682.6
32.5°	1778.0	1778.0	1794.4	1802.2	1788.0	1785.1	1782.3	1796.5	1794.4	1778.0	1767.3
35°	1881.2	1876.9	1899.0	1910.4	1896.2	1887.6	1886.2	1899.0	1896.2	1873.4	1860.6
37.5°	1983.0	1985.8	2011.5	2024.3	2007.2	1996.5	2000.1	2008.6	2009.3	1984.4	1970.9
40°	2107.5	2108.3	2140.3	2150.3	2128.2	2111.8	2116.8	2136.0	2134.6	2104.0	2086.9
42.5°	2247.1	2244.2	2284.1	2292.6	2262.7	2231.4	2246.3	2276.2	2283.4	2249.2	2231.4
45°	2396.5	2400.8	2442.1	2451.3	2404.4	2364.5	2396.5	2441.4	2450.6	2413.6	2391.5
47.5°	2578.0	2583.0	2632.8	2636.4	2583.0	2531.0	2573.8	2632.1	2635.7	2584.4	2558.8
50°	2785.2	2802.2	2857.8	2864.9	2812.2	2745.3	2806.5	2858.5	2844.9	2776.6	2753.1
52.5°	3020.0	3033.6	3120.4	3150.3	3104.0	3032.1	3081.2	3113.3	3069.9	2980.2	2943.9
55°	3220.0	3242.8	3358.1	3449.2	3484.1	3430.0	3424.3	3377.3	3256.3	3119.7	3082.0
57.5°	3276.3	3298.3	3477.0	3711.9	3919.0	3946.0	3820.8	3585.2	3324.7	3114.0	3075.6
60°	3047.8	3077.7	3338.9	3783.8	4378.1	4622.9	4170.3	3603.0	3147.4	2864.9	2816.5
62.5°	2393.7	2449.2	2786.6	3484.1	4563.1	5239.3	4314.0	3296.2	2612.9	2279.1	2215.0
65°	1301.8	1349.5	1721.8	2596.5	4188.0	5371.0	3961.7	2509.7	1709.0	1373.7	1338.8
67.5°	488.3	523.2	694.0	1283.3	2961.0	4591.6	3007.2	1437.1	775.8	556.6	507.5
70°	207.8	212.1	251.3	447.0	1346.0	2987.3	1539.6	488.3	259.1	209.3	203.6
72.5°	149.5	150.2	160.9	197.9	410.0	1310.4	465.5	205.0	158.0	142.4	142.4
75°	119.6	120.3	126.7	143.1	193.6	385.8	200.7	143.8	122.4	111.7	110.3
77.5°	94.0	95.4	101.8	111.7	129.5	176.5	135.9	113.2	98.2	88.3	86.8
80°	69.8	71.9	80.4	85.4	91.1	117.4	98.9	88.3	78.3	67.6	65.5
82.5°	46.3	48.4	59.8	63.3	62.6	74.0	68.3	67.6	59.8	44.8	42.7
85°	27.8	29.2	38.4	41.3	38.4	36.3	43.4	47.0	42.0	29.2	27.0
87.5°	12.1	12.1	17.1	17.8	17.1	13.5	20.6	24.2	24.9	14.9	13.5
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)