

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: P672751

Luminaire Tested: **CCP-SA-2E-835-U-5NQ**

Issue Date: 04/16/2023



Test Information

Test Method: LM-79-08
Report Number: P672751
Test Lab: INNOVATION CENTER(G2)
Issue Date: 04/16/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCP-SA-2E-835-U-5NQ
Description: INVUE CLEAR CURVE POLE MOUNT LIGHT SQUARE LUMINAIRE @1050mA w/ 5NQ distribution lens
Light Source: (32) 3500K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

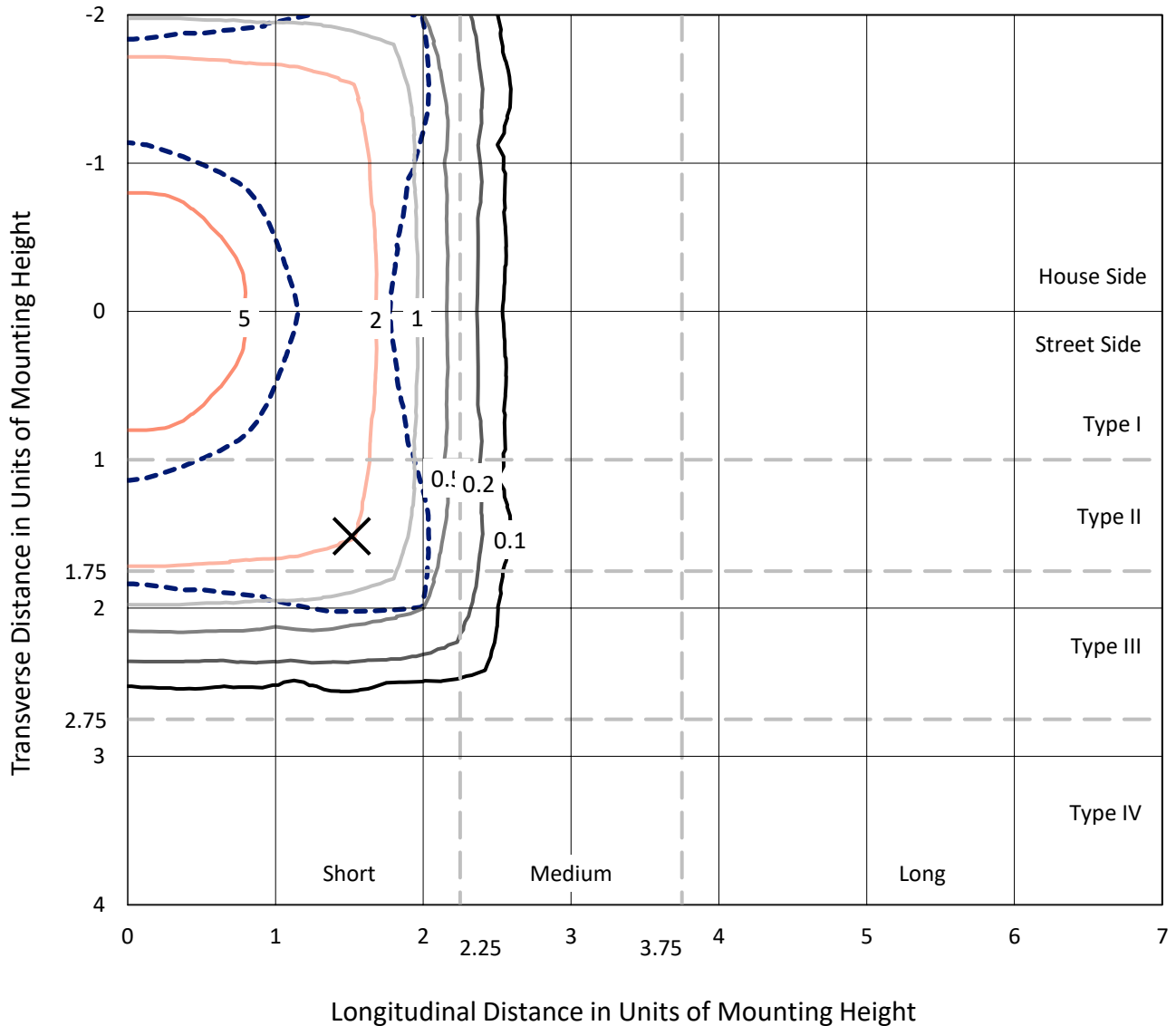
Lumens per Lamp: N/A
Luminaire Lumens: 11724.2 lumens
Efficiency: N/A
Efficacy: 110.0 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B3 - U0 - G1

Input Watts (W): 106.6
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

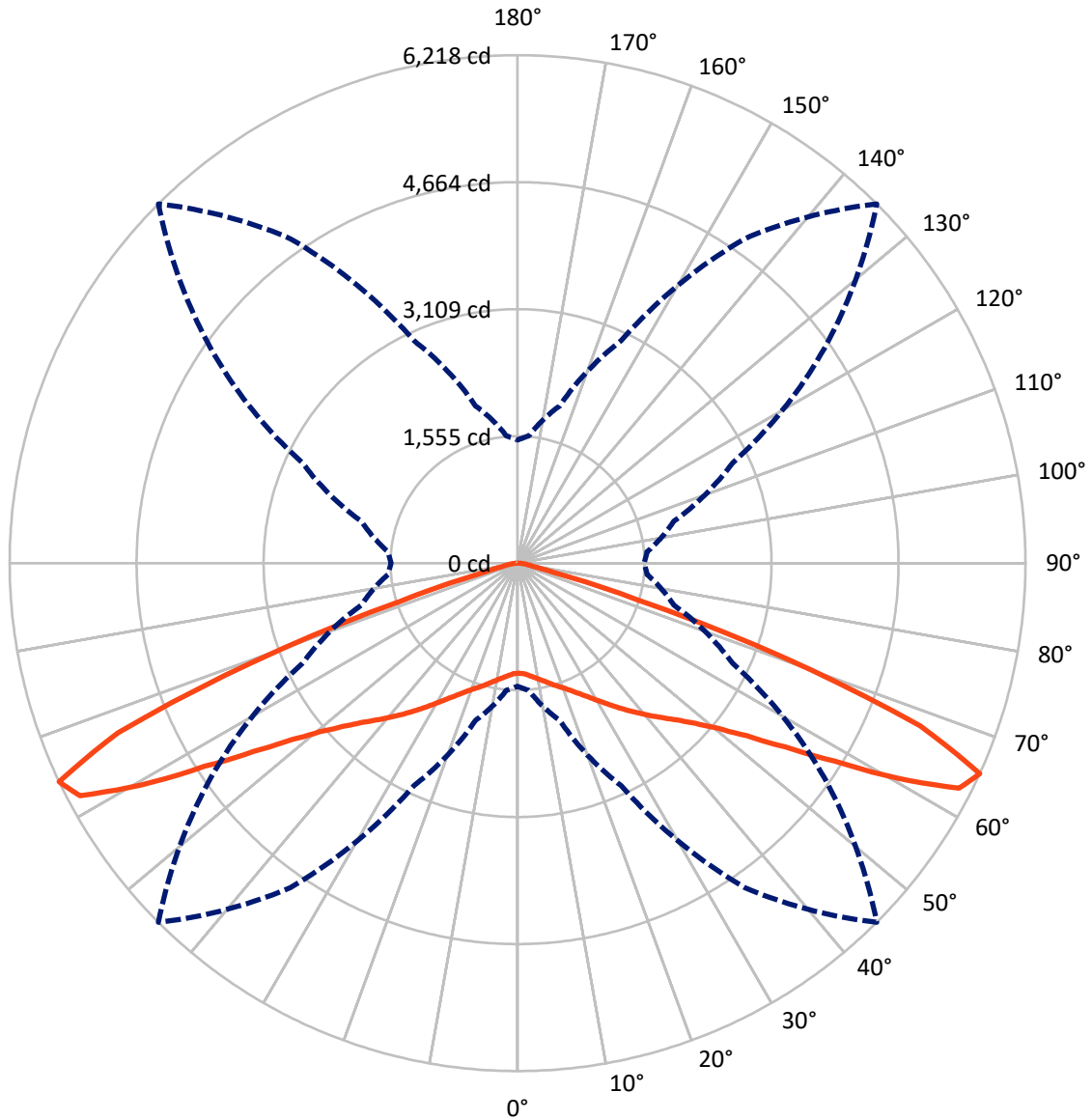
× Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 6.1 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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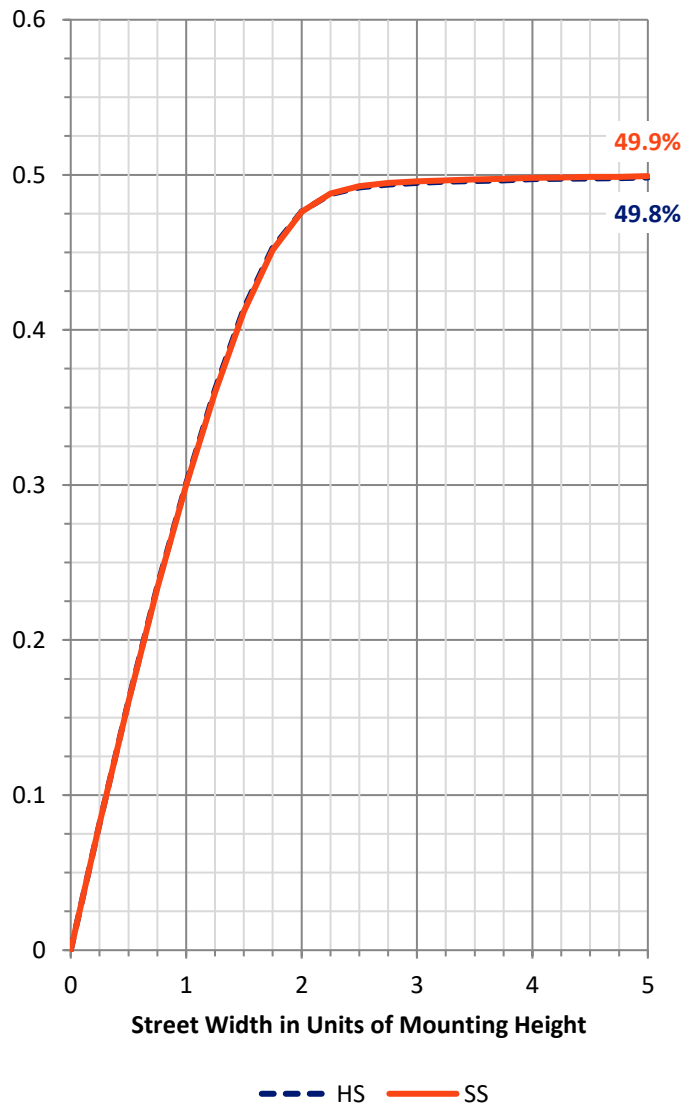
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	5862.1	0.0	5862.1
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	5862.1	0.0	5862.1
	% Fixture	50.0	0.0	50.0
Total	Lumens	11724.2	0.0	11724.2
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	133.5	1.1
10°-20°	435.9	3.7
20°-30°	826.7	7.1
30°-40°	1386.4	11.8
40°-50°	2193.8	18.7
50°-60°	3446.5	29.4
60°-70°	2912.0	24.8
70°-80°	339.1	2.9
80°-90°	50.5	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°	11724.2	100.0
0°-180°	11724.2	100.0



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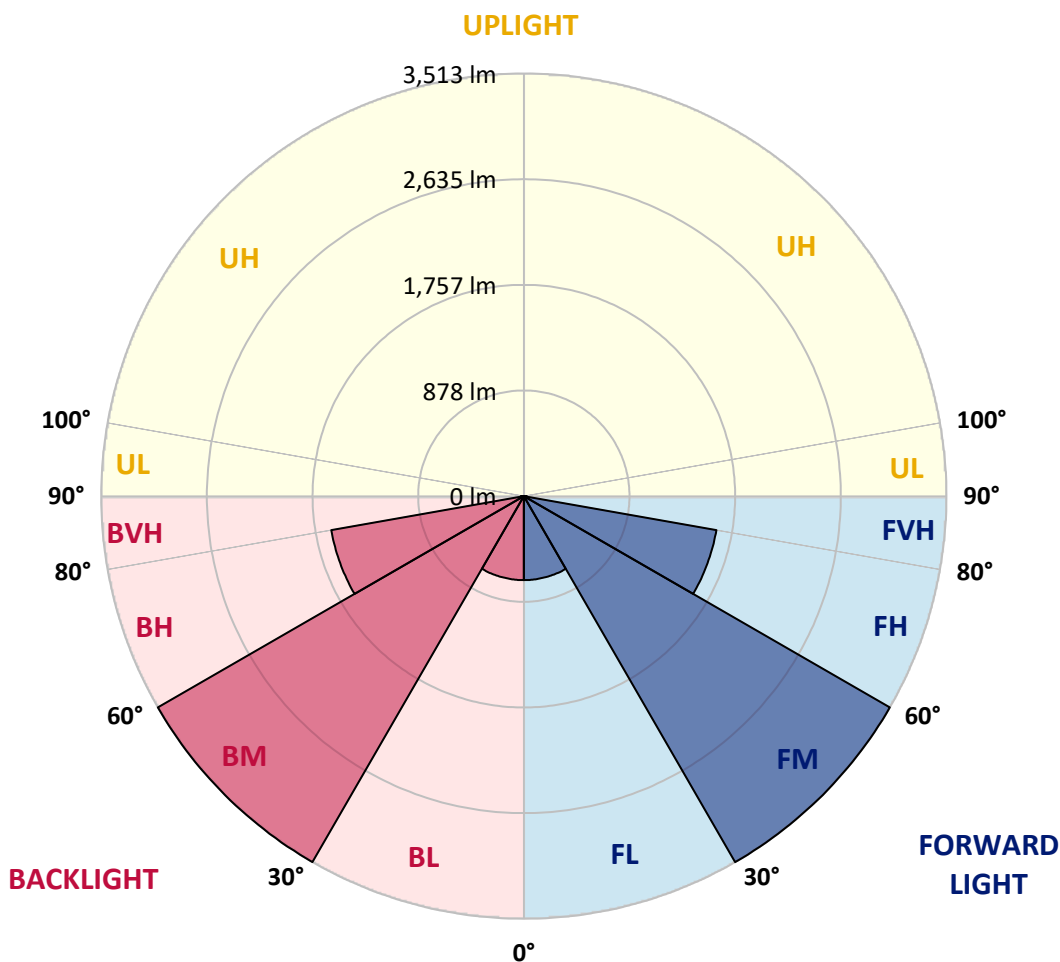
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	698.0	6.0			
FM (30°-60°)	3513.3	30.0			
FH (60°-80°)	1625.5	13.9			G1/1800
FVH (80°-90°)	25.3	0.2			G1/100
BL (0°-30°)	698.0	6.0	B2/1000		
BM (30°-60°)	3513.3	30.0	B3/5000		
BH (60°-80°)	1625.5	13.9	B3/2500		G1/1800
BVH (80°-90°)	25.3	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°	1348.1	1348.1	1348.1	1348.1	1348.1	1348.1	1348.1	1348.1	1348.1	1348.1	1348.1
2.5°	1355.5	1351.4	1355.5	1355.5	1353.0	1353.9	1350.6	1349.7	1353.9	1350.6	1349.7
5°	1383.5	1380.2	1383.5	1381.0	1376.9	1377.7	1372.8	1371.2	1376.1	1371.2	1372.0
7.5°	1415.7	1409.9	1411.5	1414.0	1409.9	1409.9	1405.8	1403.3	1405.8	1400.8	1404.1
10°	1442.8	1437.9	1440.4	1443.7	1442.8	1445.3	1441.2	1439.5	1437.1	1431.3	1436.3
12.5°	1478.3	1476.6	1479.9	1484.0	1482.4	1485.7	1476.6	1474.2	1473.3	1466.7	1472.5
15°	1524.4	1520.3	1526.1	1531.0	1528.5	1534.3	1526.9	1523.6	1519.5	1511.2	1516.2
17.5°	1570.6	1567.3	1575.5	1578.0	1578.8	1583.8	1578.0	1573.0	1571.4	1565.6	1562.3
20°	1625.8	1621.7	1628.2	1633.2	1629.1	1634.8	1632.4	1629.1	1627.4	1618.4	1617.5
22.5°	1687.6	1681.8	1691.7	1697.5	1691.7	1697.5	1692.5	1691.7	1692.5	1679.3	1681.0
25°	1756.8	1757.6	1767.5	1771.6	1768.3	1771.6	1764.2	1769.2	1766.7	1752.7	1747.7
27.5°	1845.8	1842.5	1853.2	1865.6	1857.3	1857.3	1854.0	1859.0	1858.1	1845.0	1841.7
30°	1949.6	1948.8	1964.4	1971.9	1960.3	1955.4	1954.6	1966.9	1967.7	1953.7	1948.0
32.5°	2058.4	2058.4	2077.3	2086.4	2069.9	2066.6	2063.3	2079.8	2077.3	2058.4	2046.0
35°	2177.9	2172.9	2198.5	2211.6	2195.2	2185.3	2183.6	2198.5	2195.2	2168.8	2154.0
37.5°	2295.7	2299.0	2328.7	2343.5	2323.7	2311.4	2315.5	2325.4	2326.2	2297.3	2281.7
40°	2439.9	2440.7	2477.8	2489.3	2463.8	2444.8	2450.6	2472.9	2471.2	2435.8	2416.0
42.5°	2601.4	2598.1	2644.3	2654.1	2619.5	2583.3	2600.6	2635.2	2643.4	2603.9	2583.3
45°	2774.4	2779.4	2827.2	2837.9	2783.5	2737.4	2774.4	2826.4	2837.1	2794.2	2768.7
47.5°	2984.6	2990.3	3048.0	3052.1	2990.3	2930.2	2979.6	3047.2	3051.3	2992.0	2962.3
50°	3224.4	3244.1	3308.4	3316.6	3255.7	3178.2	3249.1	3309.2	3293.6	3214.5	3187.3
52.5°	3496.3	3511.9	3612.5	3647.1	3593.5	3510.3	3567.1	3604.2	3554.0	3450.1	3408.1
55°	3727.8	3754.2	3887.7	3993.2	4033.5	3970.9	3964.3	3909.9	3769.9	3611.6	3568.0
57.5°	3792.9	3818.5	4025.3	4297.2	4537.0	4568.3	4423.3	4150.5	3849.0	3605.1	3560.6
60°	3528.4	3563.0	3865.4	4380.4	5068.5	5352.0	4827.9	4171.1	3643.8	3316.6	3260.6
62.5°	2771.2	2835.4	3226.0	4033.5	5282.7	6065.6	4994.3	3816.0	3024.9	2638.5	2564.3
65°	1507.1	1562.3	1993.3	3006.0	4848.5	6218.0	4586.5	2905.5	1978.5	1590.3	1550.0
67.5°	565.3	605.6	803.4	1485.7	3427.9	5315.7	3481.5	1663.7	898.2	644.4	587.5
70°	240.6	245.6	290.9	517.5	1558.2	3458.4	1782.3	565.3	299.9	242.3	235.7
72.5°	173.0	173.9	186.2	229.1	474.6	1517.0	538.9	237.3	182.9	164.8	164.8
75°	138.4	139.3	146.7	165.6	224.1	446.6	232.4	166.5	141.7	129.4	127.7
77.5°	108.8	110.4	117.8	129.4	150.0	204.4	157.4	131.0	113.7	102.2	100.5
80°	80.8	83.2	93.1	98.9	105.5	136.0	114.5	102.2	90.6	78.3	75.8
82.5°	53.6	56.0	69.2	73.3	72.5	85.7	79.1	78.3	69.2	51.9	49.4
85°	32.1	33.8	44.5	47.8	44.5	42.0	50.3	54.4	48.6	33.8	31.3
87.5°	14.0	14.0	19.8	20.6	19.8	15.7	23.9	28.0	28.8	17.3	15.7
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)