

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: P672474

Luminaire Tested: **CCP-SA-2E-840-U-5WQ**

Issue Date: 04/16/2023



Test Information

Test Method: LM-79-08
Report Number: P672474
Test Lab: INNOVATION CENTER(G2)
Issue Date: 04/16/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCP-SA-2E-840-U-5WQ
Description: INVUE CLEAR CURVE POLE MOUNT LIGHT SQUARE LUMINAIRE @1050mA w/ 5WQ distribution lens
Light Source: (32) 4000K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

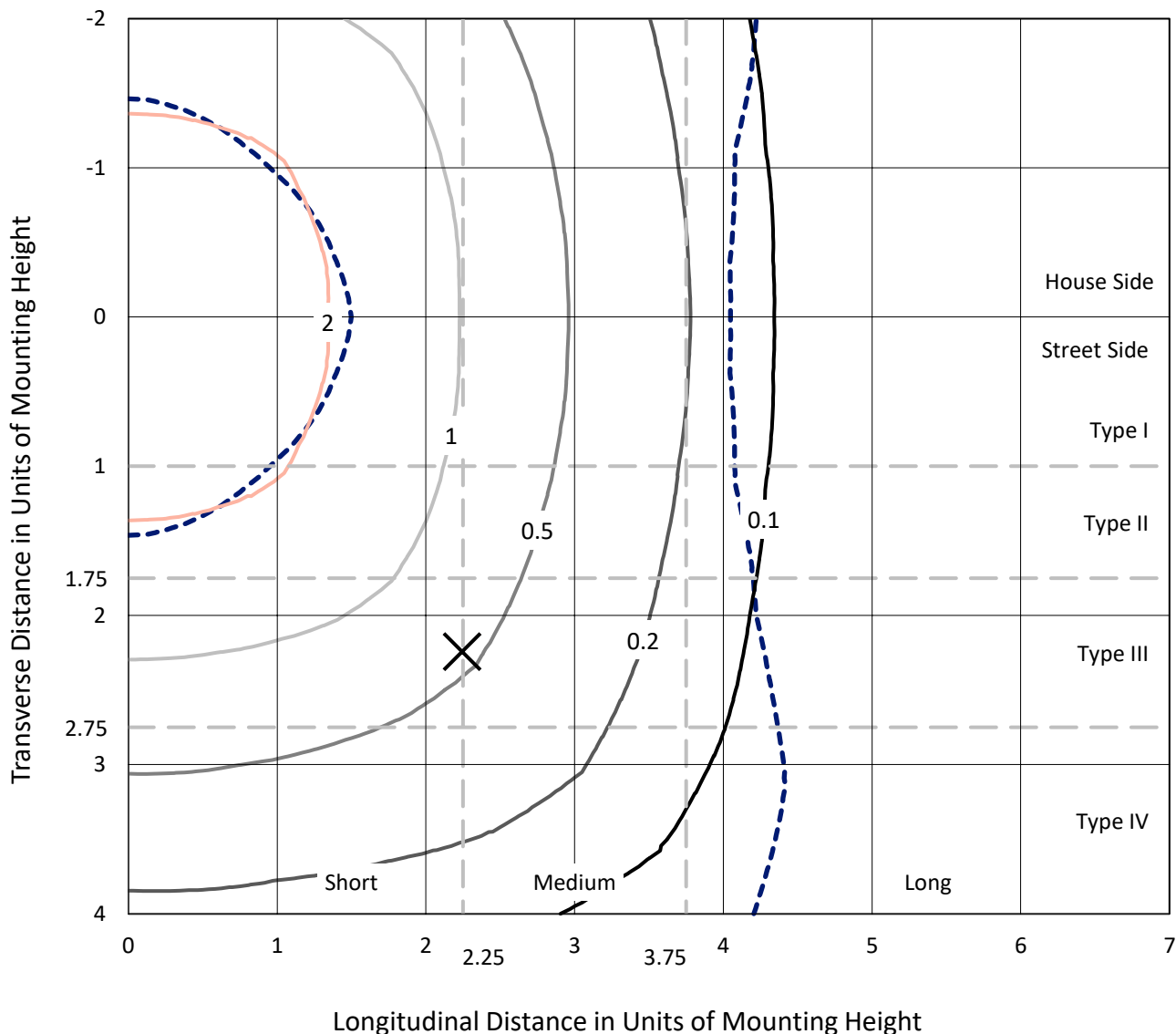
Lumens per Lamp: N/A
Luminaire Lumens: 12218.4 lumens
Efficiency: N/A
Efficacy: 114.6 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B4 - U0 - G2

Input Watts (W): 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

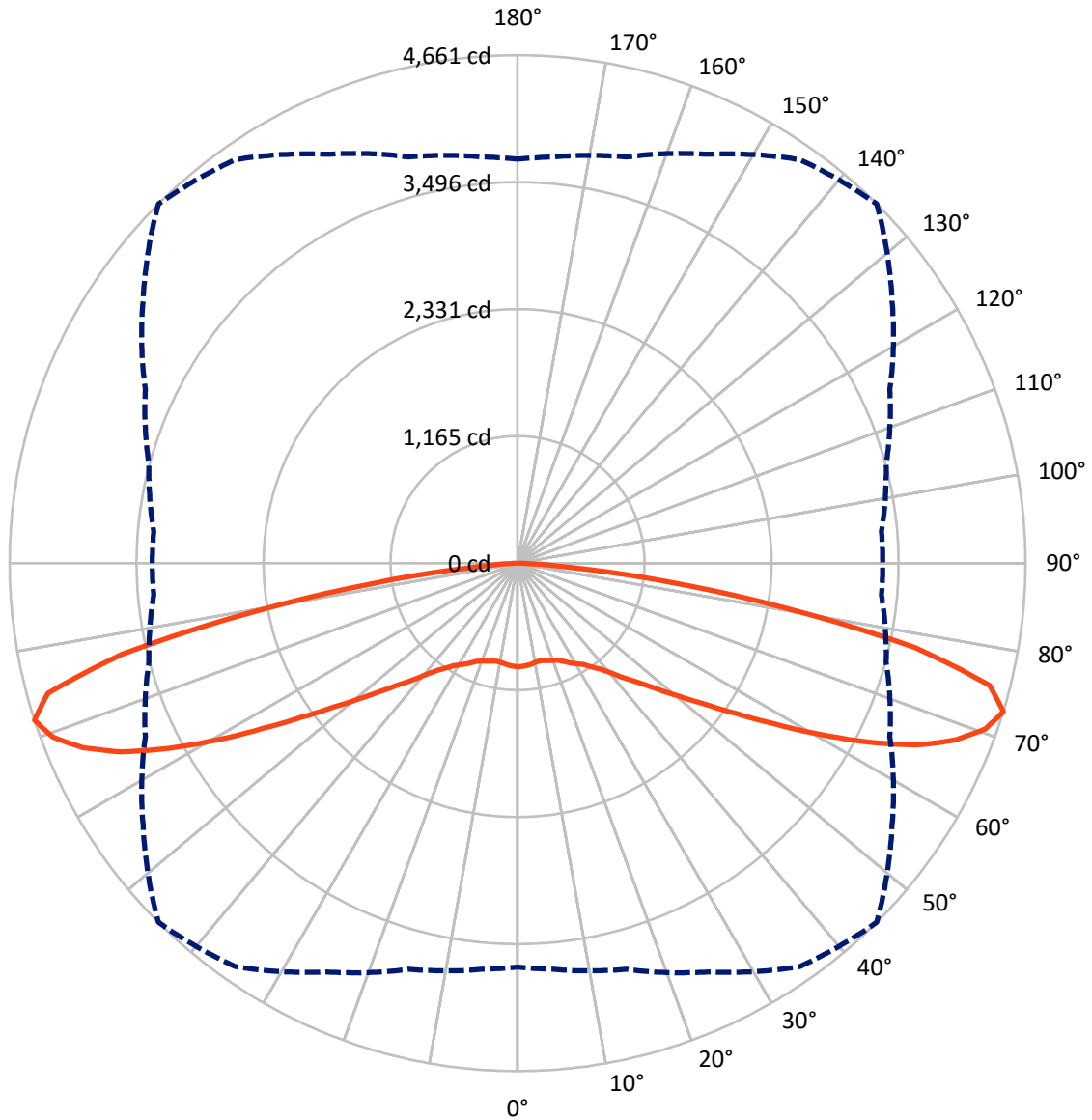
× Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 4.2 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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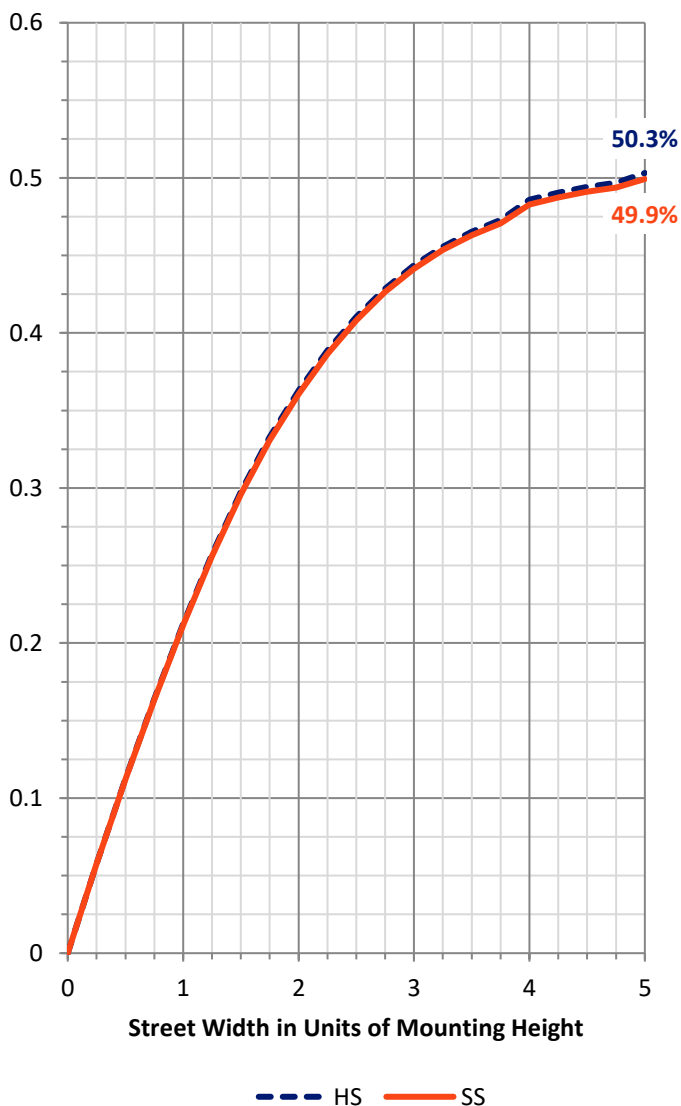
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	6109.2	0.0	6109.2
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	6109.2	0.0	6109.2
	% Fixture	50.0	0.0	50.0
Total	Lumens	12218.4	0.0	12218.4
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	89.4	0.7
10°-20°	265.4	2.2
20°-30°	466.2	3.8
30°-40°	743.8	6.1
40°-50°	1243.6	10.2
50°-60°	2128.1	17.4
60°-70°	3513.2	28.8
70°-80°	3367.2	27.6
80°-90°	401.6	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°	12218.4	100.0
0°-180°	12218.4	100.0



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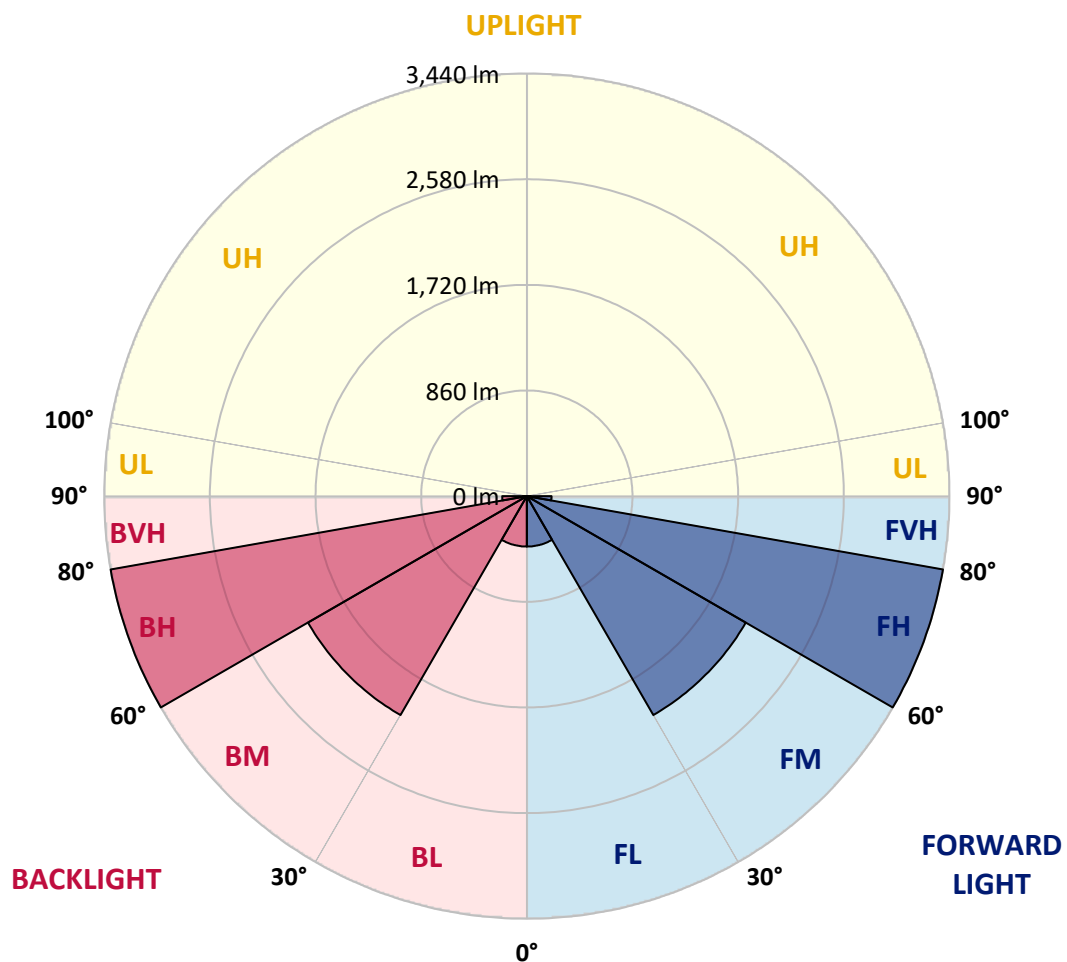
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	410.5	3.4			
FM (30°-60°)	2057.8	16.8			
FH (60°-80°)	3440.2	28.2			G2/5000
FVH (80°-90°)	200.8	1.6			G2/225
BL (0°-30°)	410.5	3.4	B1/500		
BM (30°-60°)	2057.8	16.8	B2/2500		
BH (60°-80°)	3440.2	28.2	B4/5000		G2/5000
BVH (80°-90°)	200.8	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°	951.5	951.5	951.5	951.5	951.5	951.5	951.5	951.5	951.5	951.5	951.5
2.5°	945.5	945.5	948.1	948.9	948.1	947.2	946.4	945.5	948.1	947.2	948.1
5°	942.9	942.9	943.8	944.6	942.9	942.1	940.4	939.5	941.2	941.2	942.9
7.5°	936.1	935.3	936.1	937.0	934.4	933.6	931.0	931.0	931.0	930.2	931.9
10°	930.2	928.4	928.4	926.7	922.5	923.3	919.9	922.5	926.7	927.6	928.4
12.5°	932.7	931.0	929.3	925.0	919.1	919.9	919.1	921.6	927.6	931.0	933.6
15°	944.6	942.9	938.7	931.0	927.6	927.6	925.9	926.7	935.3	940.4	942.9
17.5°	957.4	954.0	946.4	941.2	937.8	940.4	934.4	933.6	940.4	948.1	950.6
20°	967.7	965.1	955.7	949.8	949.8	952.3	946.4	942.9	950.6	960.0	962.6
22.5°	985.6	983.9	974.5	968.5	968.5	969.4	966.0	963.4	971.9	981.3	983.9
25°	1011.1	1011.1	1001.8	999.2	998.4	1000.1	995.8	993.2	1000.9	1007.7	1010.3
27.5°	1041.0	1038.4	1030.8	1029.1	1032.5	1038.4	1030.8	1023.9	1029.9	1035.9	1036.7
30°	1072.5	1072.5	1065.7	1065.7	1068.3	1070.8	1064.0	1057.2	1063.2	1070.0	1070.8
32.5°	1116.9	1114.3	1111.8	1112.6	1111.8	1108.3	1104.9	1104.1	1109.2	1113.5	1115.2
35°	1171.4	1170.6	1167.2	1168.9	1168.9	1168.9	1158.6	1155.2	1163.8	1167.2	1165.5
37.5°	1255.8	1255.0	1246.5	1241.3	1235.4	1232.8	1220.0	1219.2	1239.6	1249.9	1248.2
40°	1359.0	1355.6	1347.9	1339.4	1331.7	1326.6	1313.8	1323.2	1344.5	1352.2	1352.2
42.5°	1471.5	1467.3	1458.7	1454.5	1449.4	1444.3	1427.2	1431.5	1457.0	1464.7	1456.2
45°	1609.7	1603.7	1594.3	1584.9	1577.3	1567.0	1558.5	1562.8	1590.0	1599.4	1592.6
47.5°	1756.3	1754.6	1746.9	1739.2	1732.4	1725.6	1714.5	1722.2	1746.1	1744.4	1730.7
50°	1911.5	1914.9	1915.7	1923.4	1918.3	1919.1	1898.7	1894.4	1913.2	1902.1	1885.0
52.5°	2078.6	2083.7	2101.6	2116.9	2145.1	2148.5	2122.9	2095.6	2092.2	2063.2	2045.3
55°	2272.1	2271.2	2310.5	2353.1	2415.3	2434.9	2377.8	2326.7	2298.5	2242.3	2223.5
57.5°	2491.2	2488.7	2548.3	2623.4	2735.9	2784.5	2679.6	2582.4	2514.2	2446.9	2427.3
60°	2729.1	2735.0	2807.5	2929.4	3123.8	3191.2	3032.6	2871.5	2767.4	2679.6	2672.0
62.5°	3007.0	3007.9	3093.1	3258.5	3510.9	3619.2	3400.9	3182.6	3050.5	2954.2	2933.7
65°	3335.3	3341.2	3432.4	3599.6	3889.4	4023.3	3771.8	3505.8	3349.7	3219.3	3216.7
67.5°	3672.0	3668.6	3752.2	3929.5	4209.1	4332.8	4069.3	3772.6	3569.7	3406.9	3385.6
70°	3887.7	3906.5	3996.8	4166.5	4434.2	4554.4	4233.9	3875.8	3663.5	3514.3	3504.1
72.5°	3706.1	3741.1	3857.9	4139.2	4518.6	4661.0	4194.6	3769.2	3501.5	3351.5	3351.5
75°	3008.7	3066.7	3229.5	3662.6	4227.0	4473.4	3883.5	3298.6	2909.0	2748.7	2748.7
77.5°	1833.0	1888.4	2108.4	2637.0	3413.7	3729.1	3165.6	2484.4	2033.4	1837.3	1811.7
80°	609.6	645.4	861.1	1340.2	2095.6	2481.8	2121.2	1411.0	910.5	694.0	690.6
82.5°	162.0	176.5	245.5	388.8	909.7	1344.5	970.2	465.5	266.9	207.2	191.0
85°	56.3	60.5	104.0	129.6	231.0	445.0	270.3	168.8	129.6	78.4	73.3
87.5°	16.2	17.9	41.8	45.2	66.5	52.0	73.3	67.4	61.4	25.6	23.0
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)