

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: P672768

Luminaire Tested: **CCP-SA-1F-850-U-5NQ**

Issue Date: 04/16/2023

Test Information

Test Method: LM-79-08
Report Number: P672768
Test Lab: INNOVATION CENTER(G2)
Issue Date: 04/16/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCP-SA-1F-850-U-5NQ
Description: INVUE CLEAR CURVE POLE MOUNT LIGHT SQUARE LUMINAIRE @1200mA w/ 5NQ
distribution lens
Light Source: (16) 5000K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6808.2 lumens
Efficiency: N/A
Efficacy: 101.6 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B2 - U0 - G1

Input Watts (W): 67
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

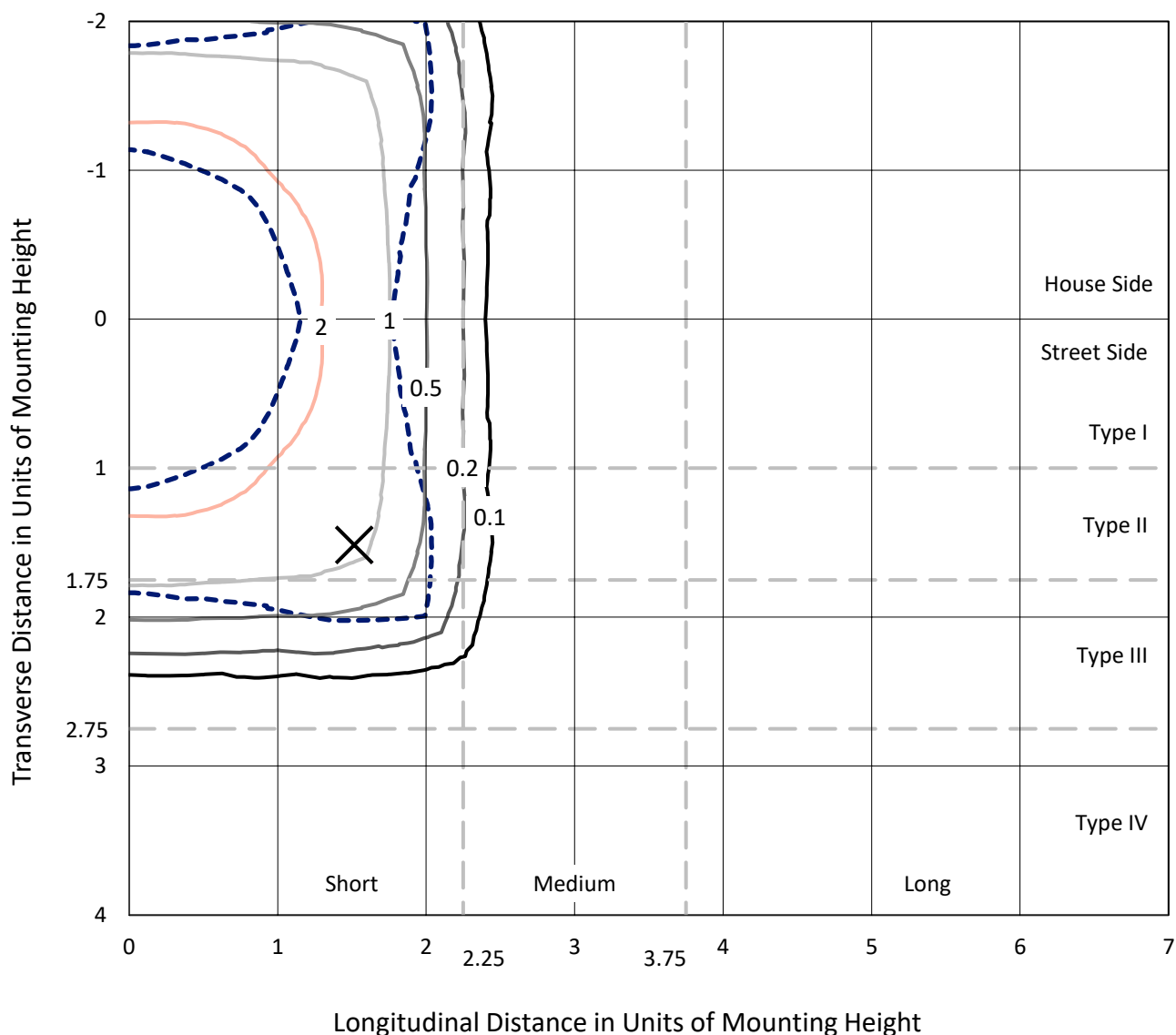
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

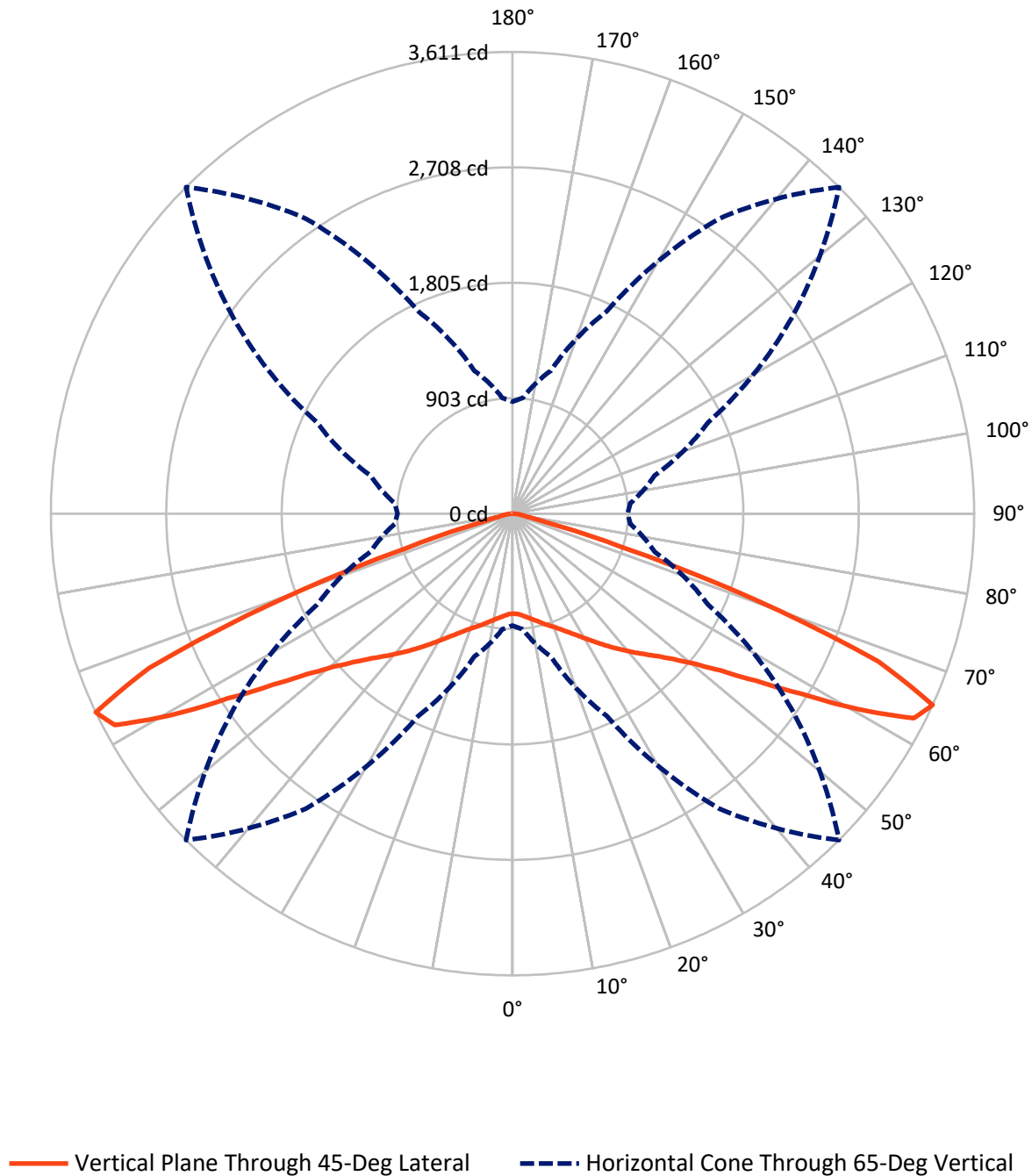


Based on 15 foot mounting height. Maximum calculated value = 3.6 fc

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	3404.1	0.0	3404.1
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	3404.1	0.0	3404.1
	% Fixture	50.0	0.0	50.0
Total	Lumens	6808.2	0.0	6808.2
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	77.5	1.1
10°-20°	253.1	3.7
20°-30°	480.0	7.1
30°-40°	805.1	11.8
40°-50°	1273.9	18.7
50°-60°	2001.4	29.4
60°-70°	1691.0	24.8
70°-80°	196.9	2.9
80°-90°	29.3	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°	6808.2	100.0
0°-180°	6808.2	100.0

Coefficient of Utilization



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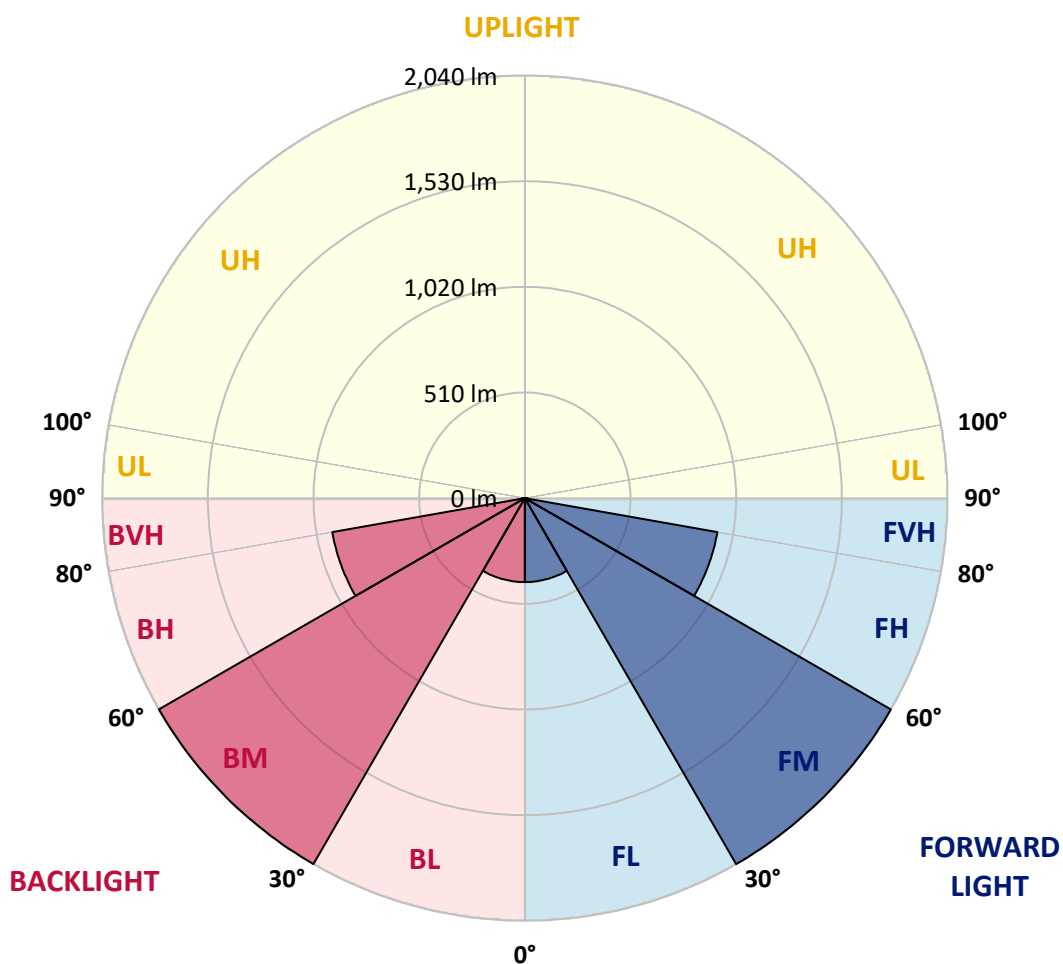
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	405.3	6.0			
FM	(30°-60°)	2040.2	30.0			
FH	(60°-80°)	943.9	13.9			G1/1800
FVH	(80°-90°)	14.7	0.2			G1/100
BL	(0°-30°)	405.3	6.0	B1/500		
BM	(30°-60°)	2040.2	30.0	B2/2500		
BH	(60°-80°)	943.9	13.9	B2/1000		G1/1800
BVH	(80°-90°)	14.7	0.2			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G1

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	782.8	782.8	782.8	782.8	782.8	782.8	782.8	782.8	782.8	782.8	782.8
2.5°	787.1	784.7	787.1	787.1	785.7	786.2	784.3	783.8	786.2	784.3	783.8
5°	803.4	801.5	803.4	802.0	799.6	800.1	797.2	796.2	799.1	796.2	796.7
7.5°	822.1	818.7	819.7	821.1	818.7	818.7	816.3	814.9	816.3	813.5	815.4
10°	837.9	835.0	836.4	838.3	837.9	839.3	836.9	835.9	834.5	831.2	834.0
12.5°	858.4	857.5	859.4	861.8	860.8	862.7	857.5	856.0	855.6	851.7	855.1
15°	885.2	882.8	886.2	889.1	887.6	891.0	886.7	884.7	882.4	877.6	880.4
17.5°	912.0	910.1	914.9	916.3	916.8	919.7	916.3	913.5	912.5	909.2	907.2
20°	944.1	941.7	945.5	948.4	946.0	949.3	947.9	946.0	945.0	939.8	939.3
22.5°	980.0	976.6	982.4	985.7	982.4	985.7	982.8	982.4	982.8	975.2	976.1
25°	1020.2	1020.6	1026.4	1028.8	1026.9	1028.8	1024.5	1027.3	1025.9	1017.8	1014.9
27.5°	1071.8	1069.9	1076.1	1083.3	1078.5	1078.5	1076.6	1079.5	1079.0	1071.4	1069.4
30°	1132.1	1131.7	1140.7	1145.1	1138.4	1135.5	1135.0	1142.2	1142.7	1134.5	1131.2
32.5°	1195.3	1195.3	1206.3	1211.6	1202.0	1200.1	1198.2	1207.7	1206.3	1195.3	1188.1
35°	1264.7	1261.8	1276.6	1284.3	1274.7	1269.0	1268.0	1276.6	1274.7	1259.4	1250.8
37.5°	1333.1	1335.0	1352.2	1360.9	1349.4	1342.2	1344.6	1350.3	1350.8	1334.1	1325.0
40°	1416.8	1417.3	1438.9	1445.6	1430.7	1419.7	1423.1	1436.0	1435.0	1414.4	1403.0
42.5°	1510.6	1508.7	1535.5	1541.3	1521.2	1500.1	1510.1	1530.2	1535.0	1512.1	1500.1
45°	1611.1	1614.0	1641.7	1648.0	1616.4	1589.6	1611.1	1641.3	1647.5	1622.6	1607.8
47.5°	1733.1	1736.5	1770.0	1772.4	1736.5	1701.5	1730.3	1769.5	1771.9	1737.4	1720.2
50°	1872.4	1883.9	1921.2	1926.0	1890.6	1845.6	1886.7	1921.7	1912.6	1866.6	1850.8
52.5°	2030.3	2039.4	2097.7	2117.8	2086.7	2038.4	2071.4	2093.0	2063.8	2003.5	1979.1
55°	2164.7	2180.0	2257.6	2318.8	2342.3	2305.9	2302.1	2270.5	2189.1	2097.3	2071.9
57.5°	2202.5	2217.4	2337.5	2495.4	2634.6	2652.8	2568.6	2410.2	2235.1	2093.4	2067.6
60°	2048.9	2069.0	2244.6	2543.7	2943.3	3107.9	2803.5	2422.2	2115.9	1926.0	1893.4
62.5°	1609.2	1646.5	1873.3	2342.3	3067.7	3522.2	2900.2	2215.9	1756.6	1532.2	1489.1
65°	875.2	907.2	1157.5	1745.6	2815.5	3610.8	2663.3	1687.2	1148.9	923.5	900.1
67.5°	328.3	351.7	466.5	862.7	1990.6	3086.8	2021.7	966.1	521.6	374.2	341.2
70°	139.7	142.6	168.9	300.5	904.8	2008.3	1035.0	328.3	174.2	140.7	136.9
72.5°	100.5	101.0	108.1	133.0	275.6	880.9	312.9	137.8	106.2	95.7	95.7
75°	80.4	80.9	85.2	96.2	130.2	259.3	134.9	96.7	82.3	75.1	74.2
77.5°	63.2	64.1	68.4	75.1	87.1	118.7	91.4	76.1	66.0	59.3	58.4
80°	46.9	48.3	54.1	57.4	61.2	79.0	66.5	59.3	52.6	45.5	44.0
82.5°	31.1	32.5	40.2	42.6	42.1	49.8	45.9	45.5	40.2	30.1	28.7
85°	18.7	19.6	25.8	27.8	25.8	24.4	29.2	31.6	28.2	19.6	18.2
87.5°	8.1	8.1	11.5	12.0	11.5	9.1	13.9	16.3	16.7	10.0	9.1
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)