

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: P672613

Luminaire Tested: **CCP-SA-1F-840-U-5MQ**

Issue Date: 04/16/2023



Test Information

Test Method: LM-79-08
Report Number: P672613
Test Lab: INNOVATION CENTER(G2)
Issue Date: 04/16/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCP-SA-1F-840-U-5MQ
Description: INVUE CLEAR CURVE POLE MOUNT LIGHT SQUARE LUMINAIRE @1200mA w/ 5MQ distribution lens
Light Source: (16) 4000K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

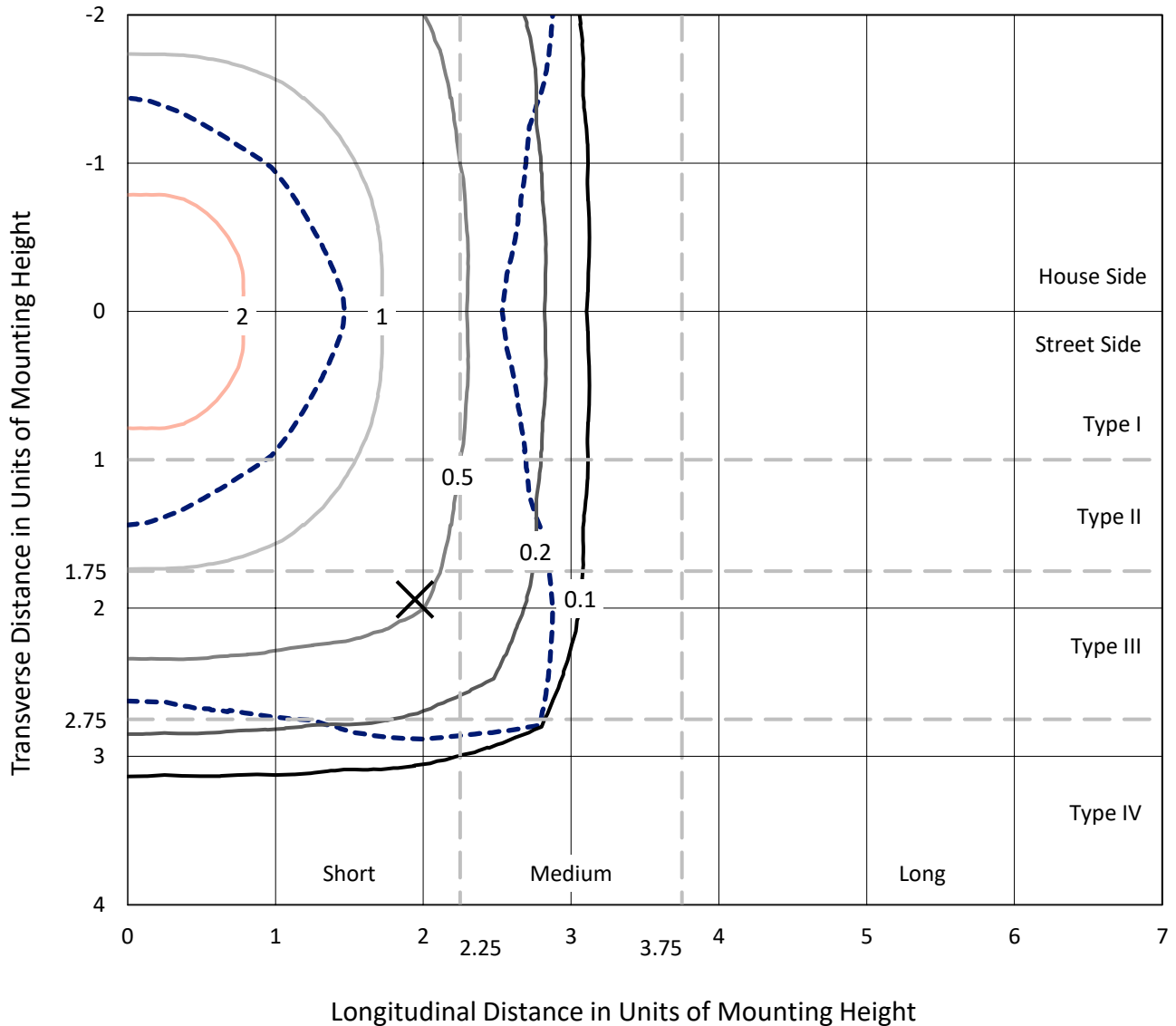
Lumens per Lamp: N/A
Luminaire Lumens: 6598.7 lumens
Efficiency: N/A
Efficacy: 98.5 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B3 - U0 - G1

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

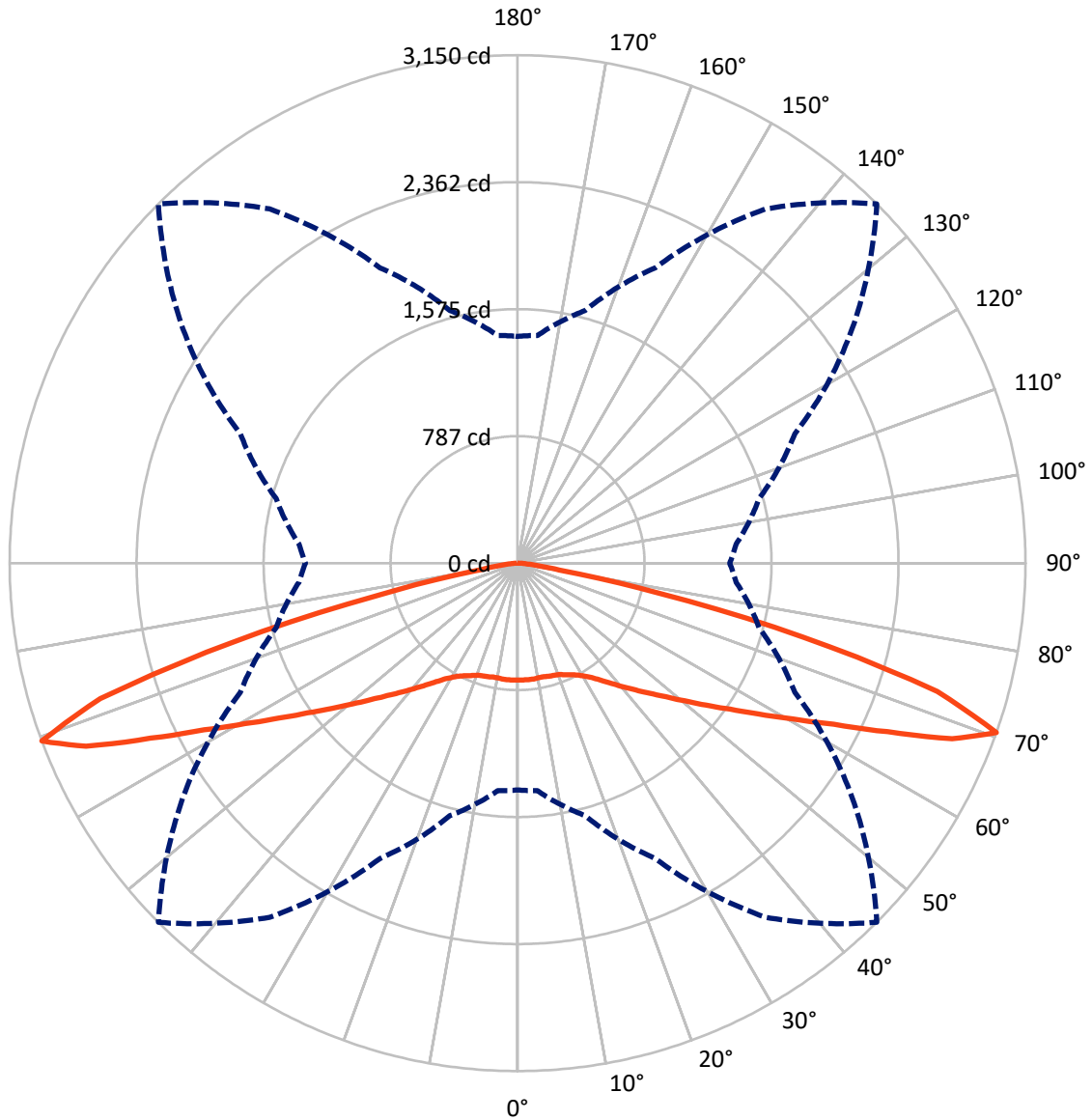
× Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 3.2 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 70-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3299.3	0.0	3299.3
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	3299.3	0.0	3299.3
	% Fixture	50.0	0.0	50.0
Total	Lumens	6598.7	0.0	6598.7
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	69.0	1.0
10°-20°	204.3	3.1
20°-30°	348.9	5.3
30°-40°	556.7	8.4
40°-50°	898.4	13.6
50°-60°	1438.5	21.8
60°-70°	2105.9	31.9
70°-80°	926.2	14.0
80°-90°	50.8	0.8
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°	6598.7	100.0
0°-180°	6598.7	100.0



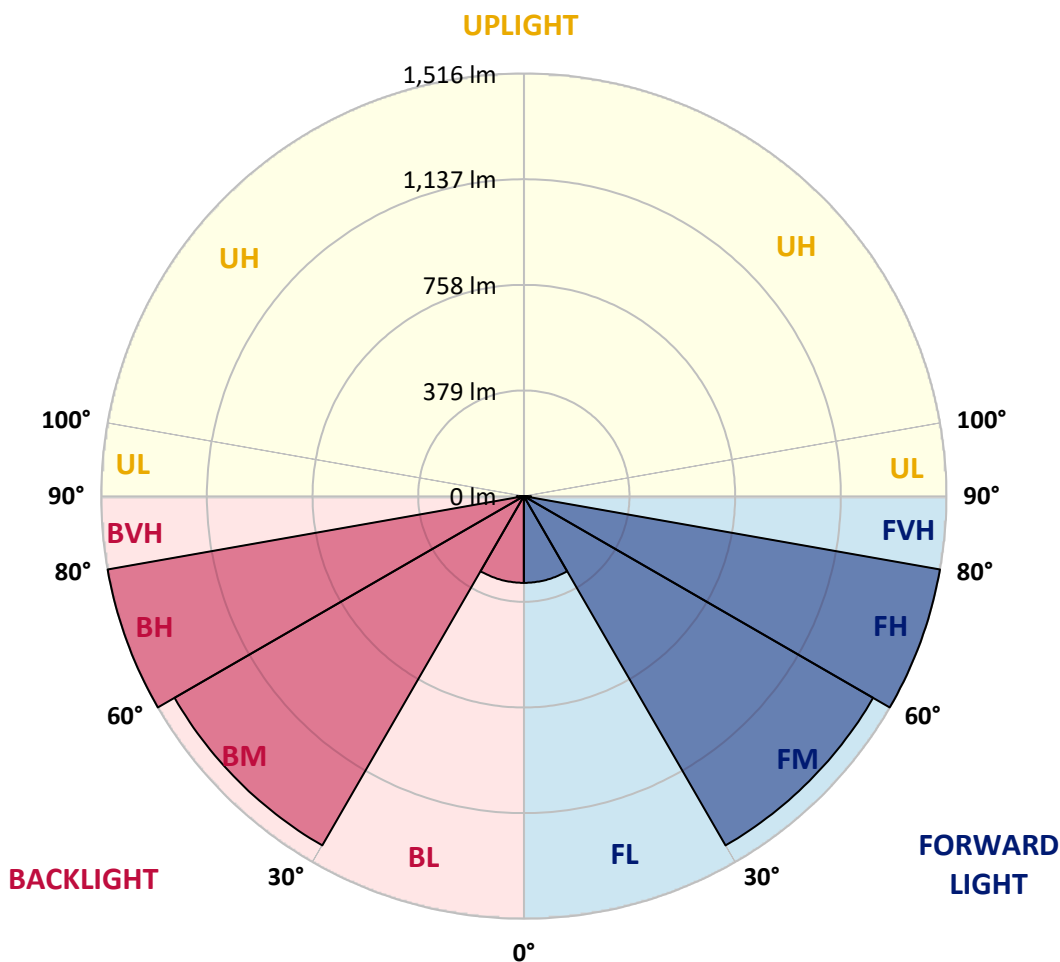
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	311.1	4.7			
FM (30°-60°)	1446.8	21.9			
FH (60°-80°)	1516.1	23.0			G1/1800
FVH (80°-90°)	25.4	0.4			G1/100
BL (0°-30°)	311.1	4.7	B1/500		
BM (30°-60°)	1446.8	21.9	B2/2500		
BH (60°-80°)	1516.1	23.0	B3/2500		G1/1800
BVH (80°-90°)	25.4	0.4			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°	725.6	725.6	725.6	725.6	725.6	725.6	725.6	725.6	725.6	725.6	725.6
2.5°	724.7	724.2	725.2	725.6	724.7	725.2	722.4	722.4	723.8	722.4	724.2
5°	728.0	727.0	728.0	728.0	725.6	725.6	722.4	721.4	722.4	720.0	721.9
7.5°	728.4	726.6	728.0	727.5	725.6	725.6	721.0	719.1	719.6	717.2	718.6
10°	723.8	722.8	724.7	723.8	722.4	722.4	718.6	715.8	715.8	713.5	714.9
12.5°	721.0	720.0	722.4	722.8	721.9	722.4	717.7	713.9	712.5	709.7	710.7
15°	721.0	719.1	722.8	723.8	724.7	728.0	721.0	714.4	711.6	707.9	708.8
17.5°	720.5	719.6	723.8	727.0	728.0	731.7	723.8	716.8	713.5	707.9	708.8
20°	720.5	720.0	725.2	731.2	734.0	737.3	728.9	722.4	716.8	710.7	710.7
22.5°	722.8	722.4	729.4	738.3	746.2	751.8	742.0	731.2	723.8	715.8	714.9
25°	732.6	731.7	740.1	750.9	761.6	767.2	757.4	746.7	735.9	727.0	726.1
27.5°	752.8	752.3	760.7	773.8	781.3	785.5	777.1	767.7	757.0	746.7	746.2
30°	779.9	779.9	790.6	804.2	808.4	811.7	803.2	796.7	785.5	774.3	773.3
32.5°	812.6	814.5	827.1	842.1	844.9	846.7	837.8	833.6	821.5	809.3	807.5
35°	855.6	856.1	871.5	886.5	890.2	892.1	881.8	878.1	866.8	853.7	850.9
37.5°	910.3	908.9	923.4	940.2	944.0	946.3	937.9	935.1	921.1	908.0	903.8
40°	971.6	972.5	988.9	1004.8	1007.1	1008.0	1003.8	999.6	986.5	971.6	966.4
42.5°	1042.6	1042.6	1061.8	1080.5	1080.5	1075.8	1074.0	1073.0	1060.4	1043.6	1038.0
45°	1124.0	1124.9	1148.8	1162.8	1163.7	1151.1	1153.0	1158.6	1146.4	1124.9	1117.4
47.5°	1213.3	1214.7	1242.7	1258.2	1255.4	1239.0	1249.3	1252.1	1238.1	1210.5	1200.7
50°	1307.3	1311.5	1342.8	1369.9	1366.2	1342.3	1355.9	1356.8	1333.9	1302.1	1288.6
52.5°	1408.7	1418.5	1460.2	1489.1	1492.9	1463.0	1474.6	1473.7	1444.3	1400.8	1391.9
55°	1534.5	1540.1	1581.2	1622.4	1636.4	1599.5	1612.6	1606.0	1566.3	1516.7	1501.8
57.5°	1660.3	1668.7	1721.5	1767.8	1795.9	1764.5	1767.3	1750.5	1700.5	1640.6	1633.1
60°	1809.4	1813.2	1871.6	1931.9	1980.5	1961.8	1948.7	1913.7	1854.8	1794.9	1784.2
62.5°	1931.4	1938.9	2025.9	2114.7	2197.0	2200.3	2160.5	2108.2	2014.2	1914.1	1892.6
65°	1965.1	1977.3	2099.3	2274.6	2445.7	2522.0	2413.0	2253.1	2043.2	1892.2	1859.9
67.5°	1808.5	1831.9	2006.2	2297.5	2677.2	2905.8	2614.1	2184.4	1891.2	1715.0	1684.1
70°	1406.4	1416.7	1621.5	2021.2	2680.9	3149.9	2533.2	1896.8	1550.4	1361.0	1315.7
72.5°	747.1	752.3	937.0	1361.0	2181.6	2721.1	2093.2	1327.4	912.7	740.6	688.7
75°	241.3	247.8	322.6	557.3	1203.5	1828.6	1234.3	552.2	314.7	253.9	240.3
77.5°	123.0	122.5	136.1	179.5	404.9	896.3	428.3	193.6	136.1	122.0	118.3
80°	76.7	75.3	85.6	98.2	141.7	261.8	153.8	108.5	86.0	73.9	73.4
82.5°	43.5	43.5	57.5	63.1	80.0	108.0	89.8	74.3	58.9	43.9	42.5
85°	24.3	21.5	36.0	39.7	45.8	53.3	54.7	48.2	39.7	24.3	25.2
87.5°	8.9	9.8	16.8	15.9	18.2	12.6	22.4	25.2	22.4	11.7	9.8
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)