

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: P672624

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

Issue Date: 04/16/2023



Test Information

Test Method: LM-79-08
Report Number: P672624
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-5MQ
Description: INVUE CLEAR CURVE POLE MOUNT LIGHT SQUARE LUMINAIRE @1200mA w/ 5MQ distribution lens
Light Source: (16) 5000K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

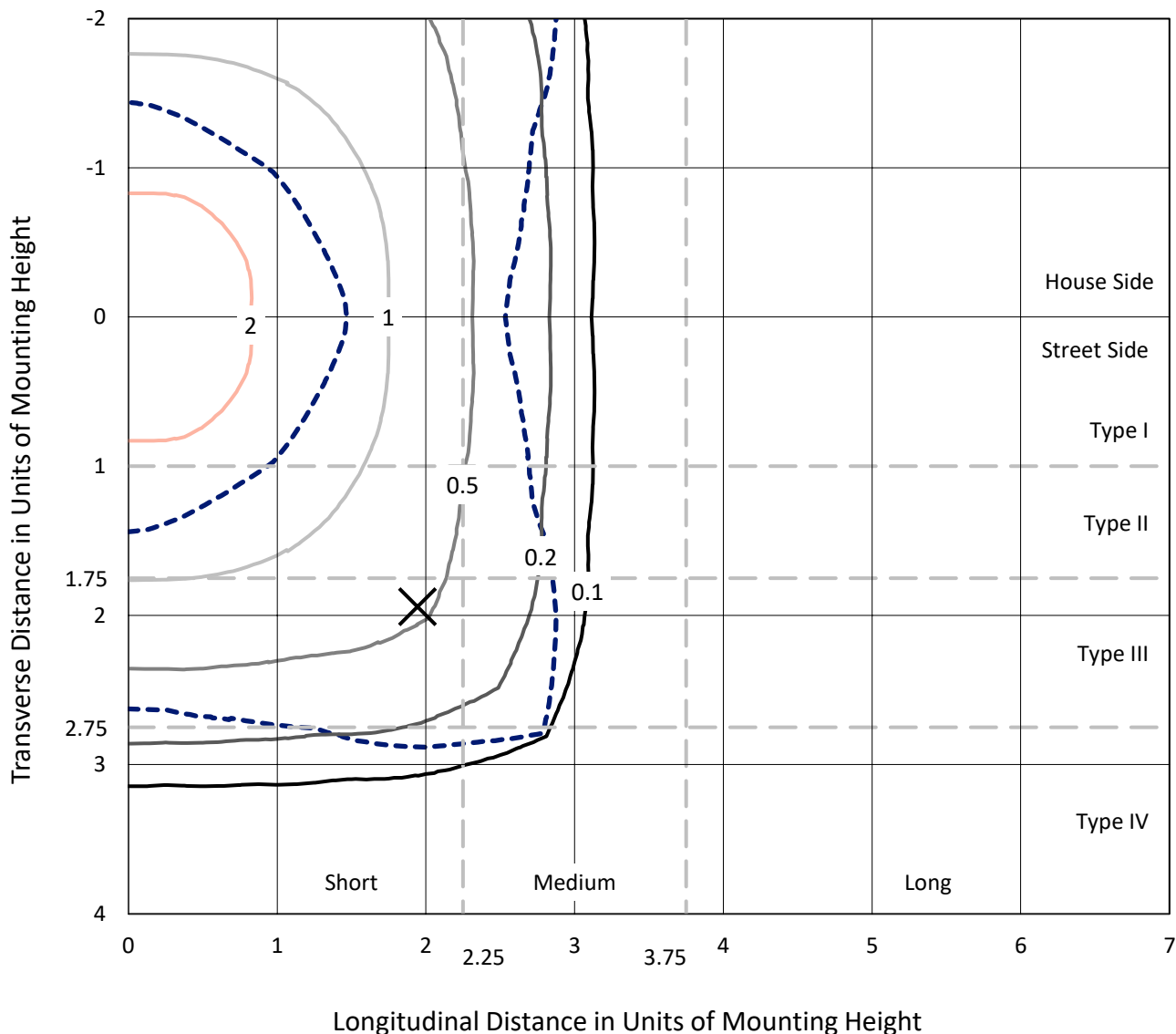
Lumens per Lamp: N/A
Luminaire Lumens: 6753.4 lumens
Efficiency: N/A
Efficacy: 100.8 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B3 - U0 - G1

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

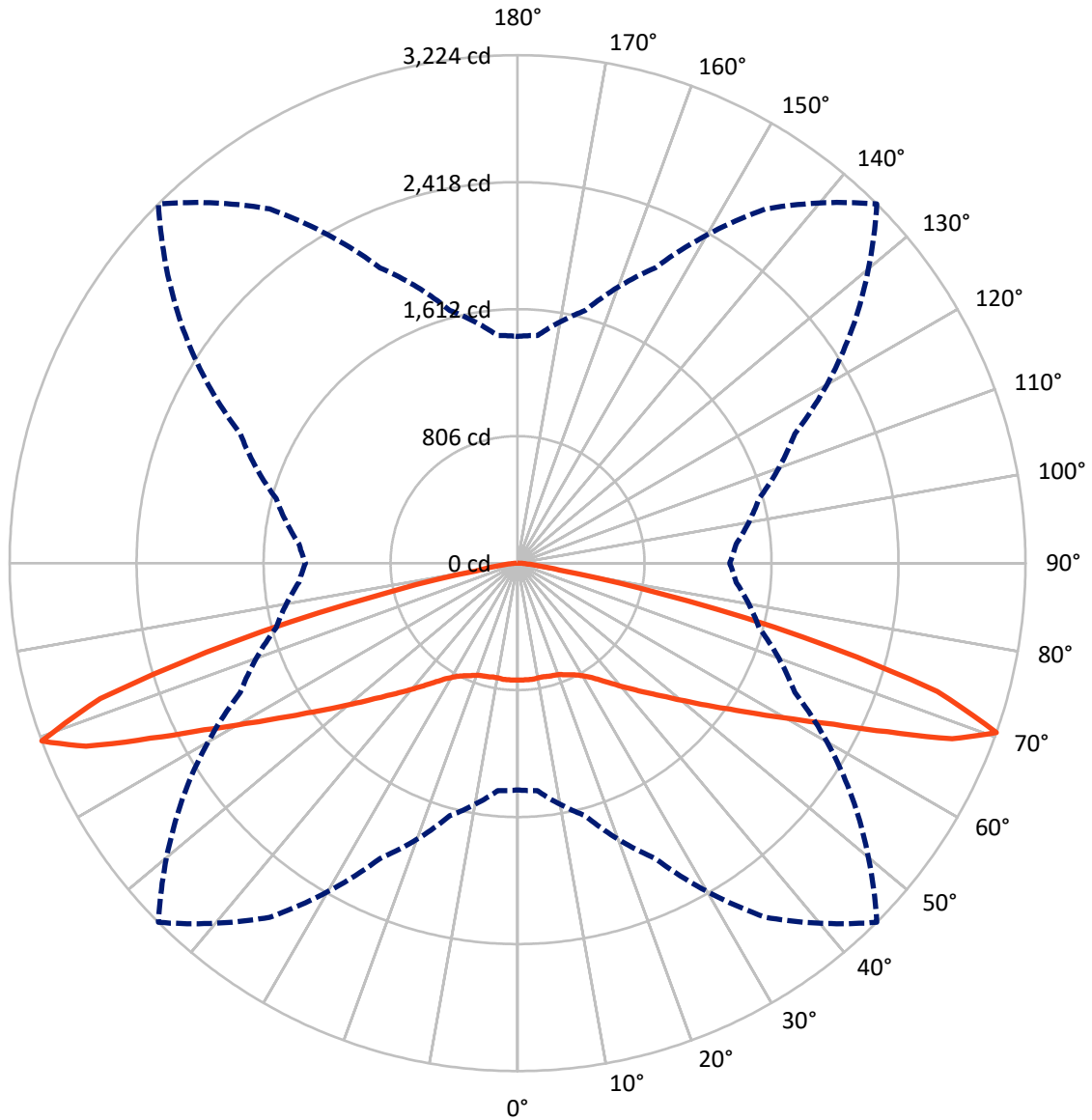
✕ Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 3.3 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	3376.7	0.0	3376.7
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	3376.7	0.0	3376.7
	% Fixture	50.0	0.0	50.0
Total	Lumens	6753.4	0.0	6753.4
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	70.6	1.0
10°-20°	209.1	3.1
20°-30°	357.1	5.3
30°-40°	569.8	8.4
40°-50°	919.4	13.6
50°-60°	1472.3	21.8
60°-70°	2155.3	31.9
70°-80°	947.9	14.0
80°-90°	52.0	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°	6753.4	100.0
0°-180°	6753.4	100.0



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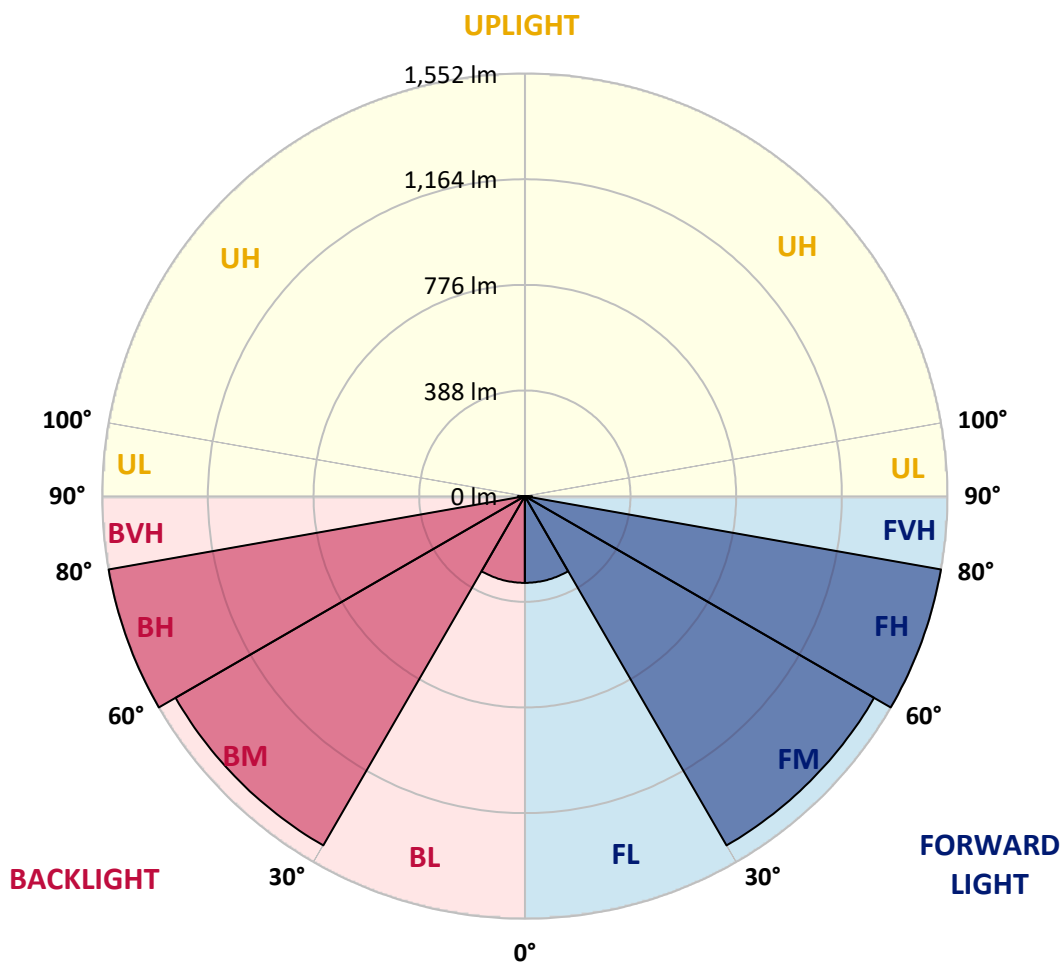
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	318.4	4.7			
FM (30°-60°)	1480.7	21.9			
FH (60°-80°)	1551.6	23.0			G1/1800
FVH (80°-90°)	26.0	0.4			G1/100
BL (0°-30°)	318.4	4.7	B1/500		
BM (30°-60°)	1480.7	21.9	B2/2500		
BH (60°-80°)	1551.6	23.0	B3/2500		G1/1800
BVH (80°-90°)	26.0	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°	742.7	742.7	742.7	742.7	742.7	742.7	742.7	742.7	742.7	742.7	742.7
2.5°	741.7	741.2	742.2	742.7	741.7	742.2	739.3	739.3	740.7	739.3	741.2
5°	745.0	744.1	745.0	745.0	742.7	742.7	739.3	738.3	739.3	736.9	738.8
7.5°	745.5	743.6	745.0	744.6	742.7	742.7	737.9	736.0	736.4	734.0	735.5
10°	740.7	739.8	741.7	740.7	739.3	739.3	735.5	732.6	732.6	730.2	731.6
12.5°	737.9	736.9	739.3	739.8	738.8	739.3	734.5	730.7	729.3	726.4	727.3
15°	737.9	736.0	739.8	740.7	741.7	745.0	737.9	731.2	728.3	724.5	725.4
17.5°	737.4	736.4	740.7	744.1	745.0	748.9	740.7	733.6	730.2	724.5	725.4
20°	737.4	736.9	742.2	748.4	751.3	754.6	746.0	739.3	733.6	727.3	727.3
22.5°	739.8	739.3	746.5	755.6	763.7	769.5	759.4	748.4	740.7	732.6	731.6
25°	749.8	748.9	757.5	768.5	779.5	785.2	775.2	764.2	753.2	744.1	743.1
27.5°	770.4	769.9	778.5	791.9	799.6	803.9	795.3	785.7	774.7	764.2	763.7
30°	798.2	798.2	809.2	823.0	827.4	830.7	822.1	815.4	803.9	792.4	791.5
32.5°	831.7	833.6	846.5	861.8	864.7	866.6	857.5	853.2	840.8	828.3	826.4
35°	875.7	876.2	892.0	907.3	911.1	913.0	902.5	898.7	887.2	873.8	870.9
37.5°	931.7	930.2	945.1	962.3	966.1	968.5	959.9	957.0	942.7	929.3	925.0
40°	994.4	995.3	1012.1	1028.3	1030.7	1031.7	1027.4	1023.1	1009.7	994.4	989.1
42.5°	1067.1	1067.1	1086.7	1105.8	1105.8	1101.1	1099.1	1098.2	1085.3	1068.0	1062.3
45°	1150.4	1151.3	1175.7	1190.1	1191.0	1178.1	1180.0	1185.8	1173.3	1151.3	1143.7
47.5°	1241.7	1243.2	1271.9	1287.7	1284.8	1268.1	1278.6	1281.5	1267.1	1238.9	1228.8
50°	1337.9	1342.2	1374.3	1402.0	1398.2	1373.8	1387.7	1388.7	1365.2	1332.7	1318.8
52.5°	1441.8	1451.8	1494.4	1524.1	1527.9	1497.3	1509.2	1508.3	1478.1	1433.6	1424.5
55°	1570.5	1576.2	1618.3	1660.4	1674.8	1637.0	1650.4	1643.7	1603.0	1552.3	1537.0
57.5°	1699.2	1707.8	1761.9	1809.3	1838.0	1805.9	1808.8	1791.6	1740.4	1679.1	1671.5
60°	1851.9	1855.7	1915.5	1977.2	2027.0	2007.9	1994.5	1958.6	1898.3	1837.0	1826.0
62.5°	1976.7	1984.4	2073.4	2164.3	2248.5	2251.9	2211.2	2157.6	2061.4	1959.0	1937.0
65°	2011.2	2023.6	2148.5	2328.0	2503.1	2581.1	2469.6	2306.0	2091.1	1936.6	1903.5
67.5°	1850.9	1874.8	2053.3	2351.4	2740.0	2974.0	2675.4	2235.6	1935.6	1755.2	1723.6
70°	1439.4	1449.9	1659.5	2068.6	2743.8	3223.8	2592.6	1941.3	1586.8	1393.0	1346.5
72.5°	764.7	769.9	958.9	1393.0	2232.8	2785.0	2142.3	1358.5	934.1	758.0	704.9
75°	246.9	253.6	330.2	570.4	1231.7	1871.5	1263.3	565.1	322.0	259.8	246.0
77.5°	125.8	125.4	139.2	183.7	414.4	917.3	438.3	198.1	139.2	124.9	121.1
80°	78.5	77.0	87.6	100.5	145.0	268.0	157.4	111.0	88.0	75.6	75.1
82.5°	44.5	44.5	58.9	64.6	81.8	110.5	91.9	76.1	60.3	45.0	43.5
85°	24.9	22.0	36.8	40.7	46.9	54.6	56.0	49.3	40.7	24.9	25.8
87.5°	9.1	10.0	17.2	16.3	18.7	12.9	23.0	25.8	23.0	12.0	10.0
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)