

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: P672612

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

Issue Date: 04/16/2023



Test Information

Test Method: LM-79-08
Report Number: P672612
Test Lab: INNOVATION CENTER(G2)
Issue Date: 04/16/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCP-SA-1E-840-U-5MQ
Description: INVUE CLEAR CURVE POLE MOUNT LIGHT SQUARE LUMINAIRE @1050mA w/ 5MQ distribution lens
Light Source: (16) 4000K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

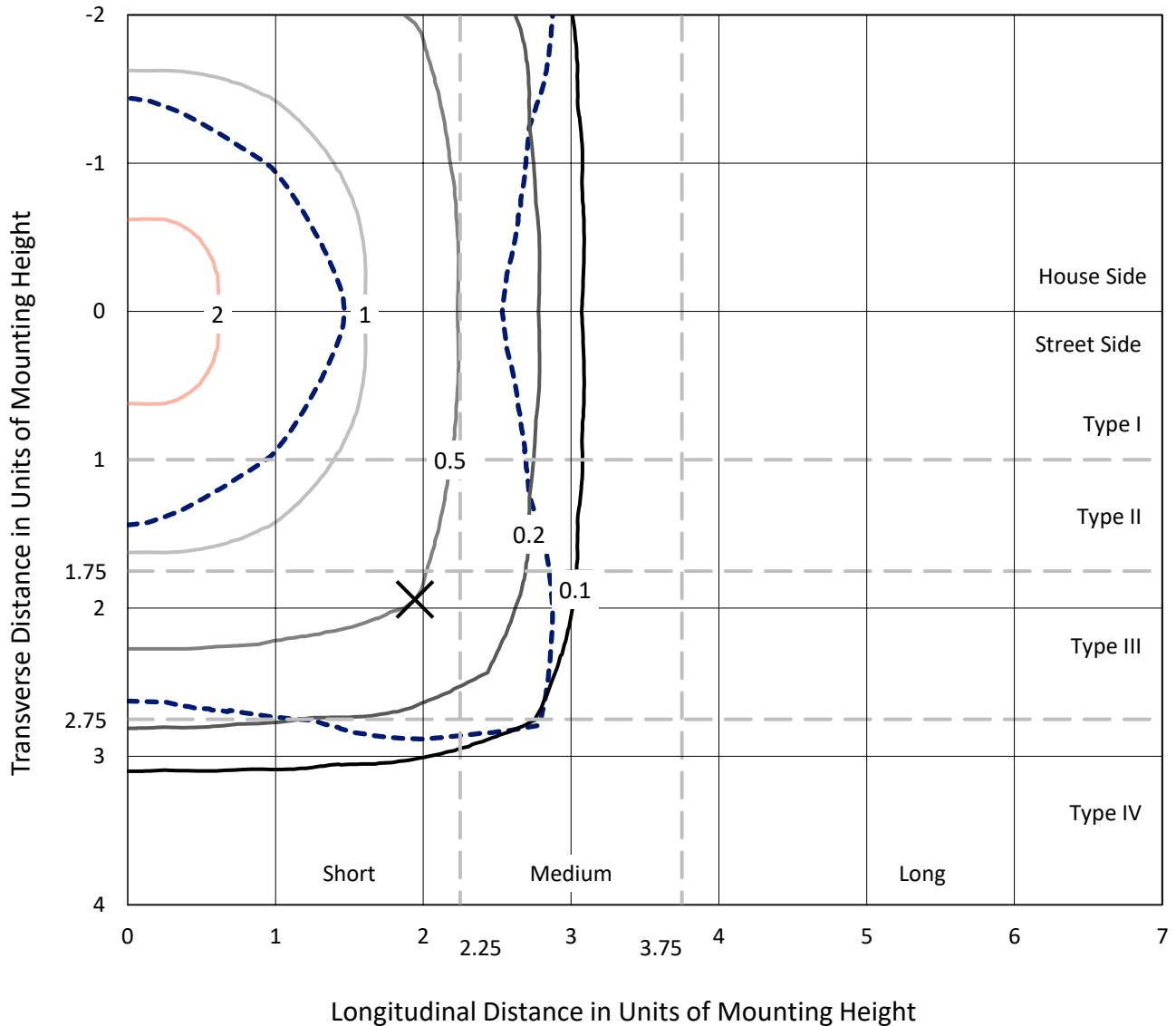
Lumens per Lamp: N/A
Luminaire Lumens: 6017.2 lumens
Efficiency: N/A
Efficacy: 107.3 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B3 - U0 - G1

Input Watts (W): 56.1
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

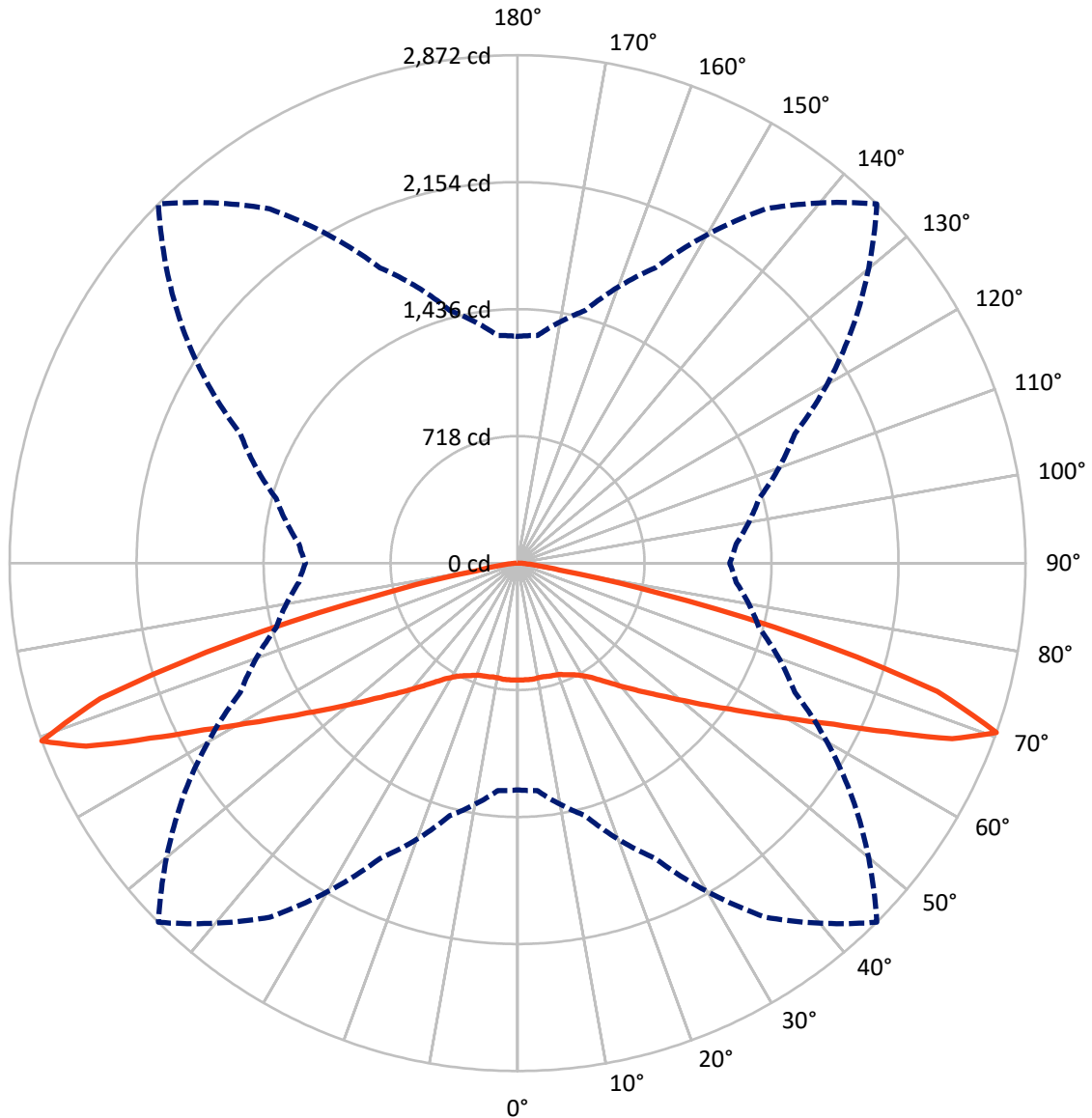
× Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 2.9 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	3008.6	0.0	3008.6
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	3008.6	0.0	3008.6
	% Fixture	50.0	0.0	50.0
Total	Lumens	6017.2	0.0	6017.2
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	62.9	1.0
10°-20°	186.3	3.1
20°-30°	318.1	5.3
30°-40°	507.7	8.4
40°-50°	819.2	13.6
50°-60°	1311.8	21.8
60°-70°	1920.4	31.9
70°-80°	844.6	14.0
80°-90°	46.3	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°	6017.2	100.0
0°-180°	6017.2	100.0



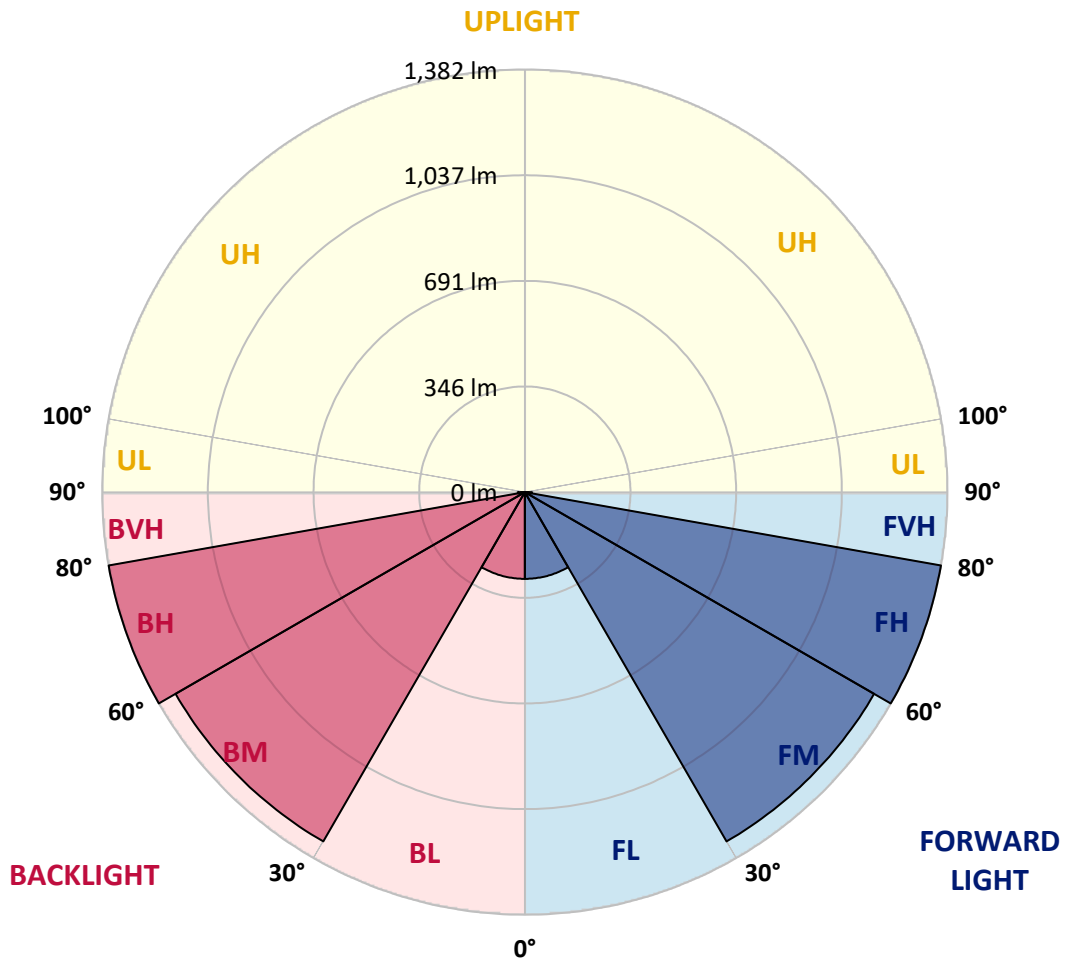
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	283.7	4.7			
FM (30°-60°)	1319.3	21.9			
FH (60°-80°)	1382.5	23.0			G1/1800
FVH (80°-90°)	23.1	0.4			G1/100
BL (0°-30°)	283.7	4.7	B1/500		
BM (30°-60°)	1319.3	21.9	B2/2500		
BH (60°-80°)	1382.5	23.0	B3/2500		G1/1800
BVH (80°-90°)	23.1	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°	661.7	661.7	661.7	661.7	661.7	661.7	661.7	661.7	661.7	661.7	661.7
2.5°	660.8	660.4	661.3	661.7	660.8	661.3	658.7	658.7	660.0	658.7	660.4
5°	663.8	663.0	663.8	663.8	661.7	661.7	658.7	657.9	658.7	656.6	658.3
7.5°	664.3	662.5	663.8	663.4	661.7	661.7	657.4	655.7	656.2	654.0	655.3
10°	660.0	659.1	660.8	660.0	658.7	658.7	655.3	652.7	652.7	650.6	651.9
12.5°	657.4	656.6	658.7	659.1	658.3	658.7	654.4	651.0	649.8	647.2	648.1
15°	657.4	655.7	659.1	660.0	660.8	663.8	657.4	651.5	648.9	645.5	646.3
17.5°	657.0	656.2	660.0	663.0	663.8	667.2	660.0	653.6	650.6	645.5	646.3
20°	657.0	656.6	661.3	666.8	669.4	672.4	664.7	658.7	653.6	648.1	648.1
22.5°	659.1	658.7	665.1	673.2	680.5	685.6	676.6	666.8	660.0	652.7	651.9
25°	668.1	667.2	674.9	684.7	694.5	699.6	690.7	680.9	671.1	663.0	662.1
27.5°	686.4	686.0	693.7	705.6	712.4	716.3	708.6	700.1	690.3	680.9	680.5
30°	711.2	711.2	721.0	733.3	737.2	740.1	732.5	726.5	716.3	706.0	705.2
32.5°	741.0	742.7	754.2	767.9	770.4	772.1	764.0	760.2	749.1	738.0	736.3
35°	780.2	780.6	794.7	808.4	811.8	813.5	804.1	800.7	790.5	778.5	776.0
37.5°	830.1	828.8	842.0	857.4	860.8	862.9	855.3	852.7	839.9	828.0	824.1
40°	886.0	886.8	901.7	916.2	918.4	919.2	915.4	911.5	899.6	886.0	881.3
42.5°	950.8	950.8	968.2	985.3	985.3	981.0	979.3	978.5	967.0	951.6	946.5
45°	1024.9	1025.8	1047.5	1060.3	1061.2	1049.7	1051.4	1056.5	1045.4	1025.8	1019.0
47.5°	1106.4	1107.7	1133.2	1147.3	1144.8	1129.8	1139.2	1141.8	1129.0	1103.8	1094.9
50°	1192.1	1195.9	1224.5	1249.2	1245.8	1224.1	1236.4	1237.3	1216.4	1187.4	1175.0
52.5°	1284.6	1293.5	1331.5	1357.9	1361.3	1334.1	1344.7	1343.9	1317.0	1277.3	1269.2
55°	1399.3	1404.4	1441.9	1479.4	1492.2	1458.5	1470.5	1464.5	1428.3	1383.1	1369.4
57.5°	1514.0	1521.6	1569.8	1612.0	1637.6	1609.0	1611.6	1596.3	1550.6	1496.1	1489.2
60°	1650.0	1653.4	1706.7	1761.7	1806.0	1789.0	1777.0	1745.1	1691.3	1636.8	1627.0
62.5°	1761.3	1768.1	1847.4	1928.4	2003.4	2006.4	1970.2	1922.4	1836.7	1745.5	1725.9
65°	1792.0	1803.0	1914.3	2074.2	2230.2	2299.7	2200.4	2054.6	1863.2	1725.4	1696.0
67.5°	1649.1	1670.4	1829.5	2095.1	2441.3	2649.8	2383.7	1991.9	1724.6	1563.9	1535.7
70°	1282.5	1291.8	1478.6	1843.1	2444.7	2872.3	2310.0	1729.7	1413.8	1241.1	1199.8
72.5°	681.3	686.0	854.4	1241.1	1989.4	2481.4	1908.8	1210.4	832.2	675.3	628.0
75°	220.0	226.0	294.2	508.2	1097.4	1667.5	1125.6	503.5	286.9	231.5	219.1
77.5°	112.1	111.7	124.1	163.7	369.2	817.3	390.5	176.5	124.1	111.3	107.9
80°	69.9	68.6	78.0	89.5	129.2	238.8	140.3	98.9	78.4	67.4	66.9
82.5°	39.7	39.7	52.4	57.6	72.9	98.5	81.9	67.8	53.7	40.1	38.8
85°	22.2	19.6	32.8	36.2	41.8	48.6	49.9	43.9	36.2	22.2	23.0
87.5°	8.1	9.0	15.3	14.5	16.6	11.5	20.5	23.0	20.5	10.7	9.0
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)