

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: P672534

Luminaire Tested: **CCP-SA-1D-735-U-5MQ**

Issue Date: 04/16/2023



Test Information

Test Method: LM-79-08
Report Number: P672534
Test Lab: INNOVATION CENTER(G2)
Issue Date: 04/16/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCP-SA-1D-735-U-5MQ
Description: INVUE CLEAR CURVE POLE MOUNT LIGHT SQUARE LUMINAIRE @800mA w/ 5MQ distribution lens
Light Source: (16) 3500K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

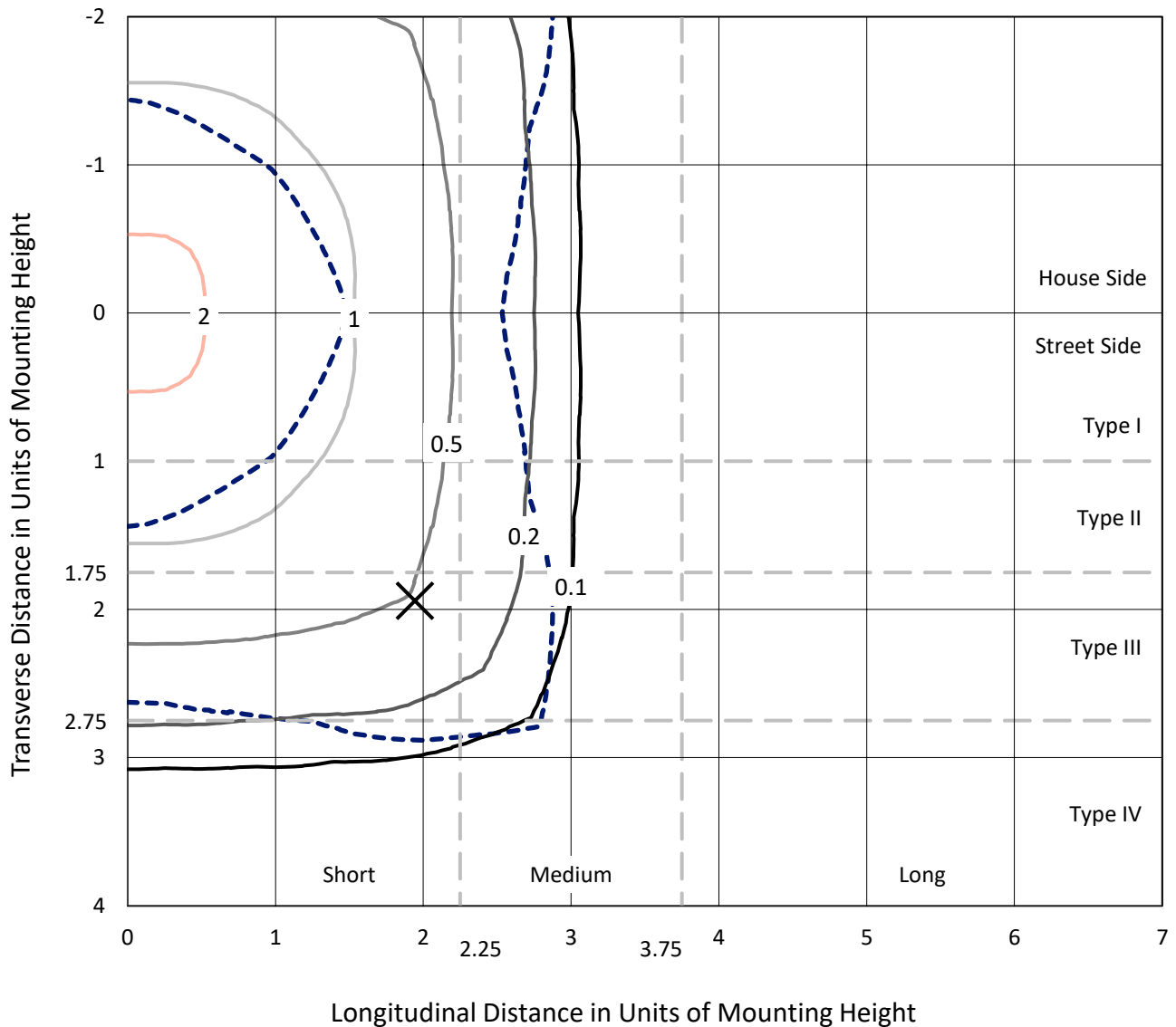
Lumens per Lamp: N/A
Luminaire Lumens: 5677.8 lumens
Efficiency: N/A
Efficacy: 129.0 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B3 - U0 - G1

Input Watts (W): 44
Input Voltage (V): 120
Input Current (A_{in}): 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

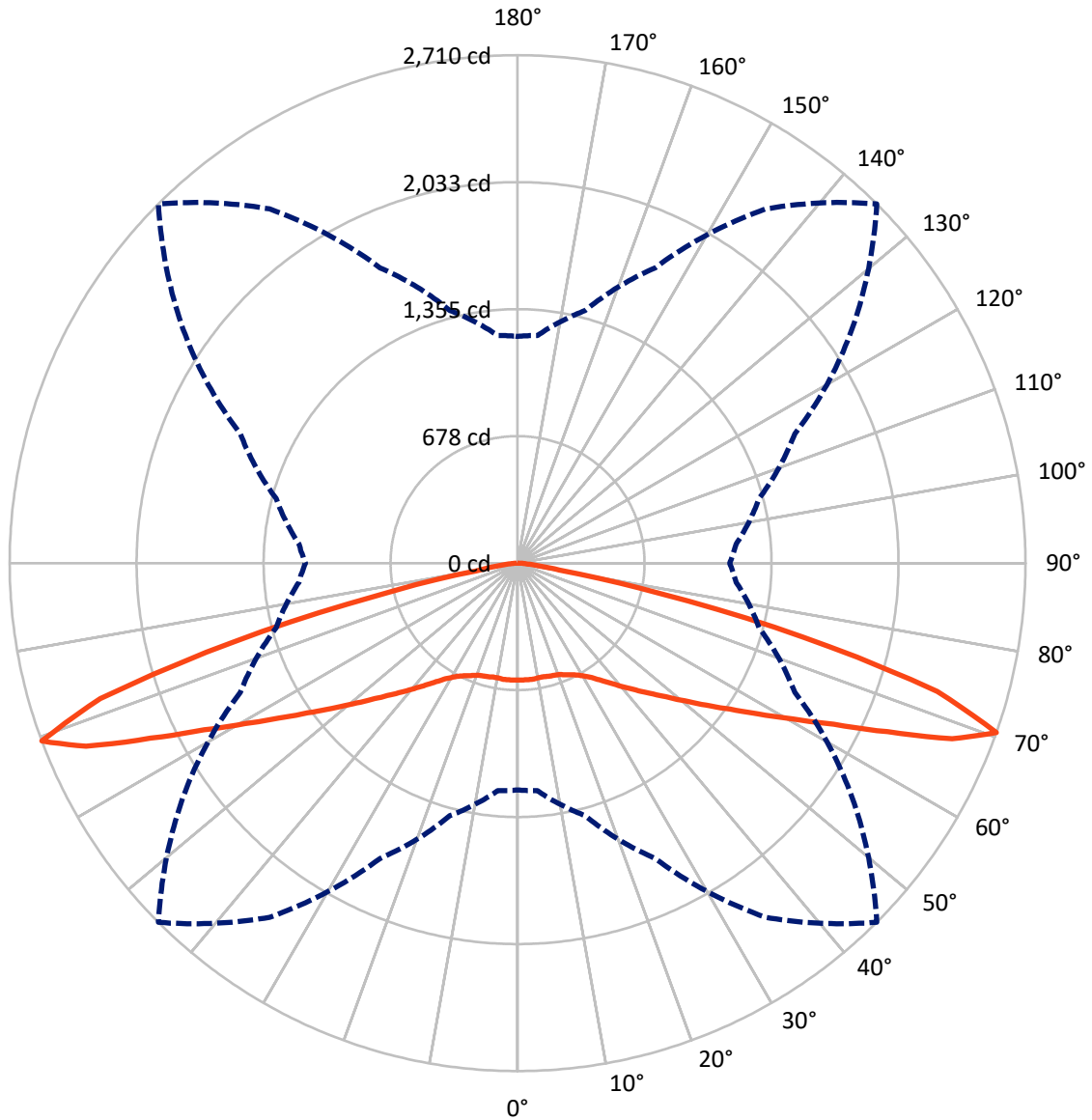
× Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 2.8 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	2838.9	0.0	2838.9
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	2838.9	0.0	2838.9
	% Fixture	50.0	0.0	50.0
Total	Lumens	5677.8	0.0	5677.8
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	59.4	1.0
10°-20°	175.8	3.1
20°-30°	300.2	5.3
30°-40°	479.0	8.4
40°-50°	773.0	13.6
50°-60°	1237.8	21.8
60°-70°	1812.1	31.9
70°-80°	796.9	14.0
80°-90°	43.7	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°	5677.8	100.0
0°-180°	5677.8	100.0



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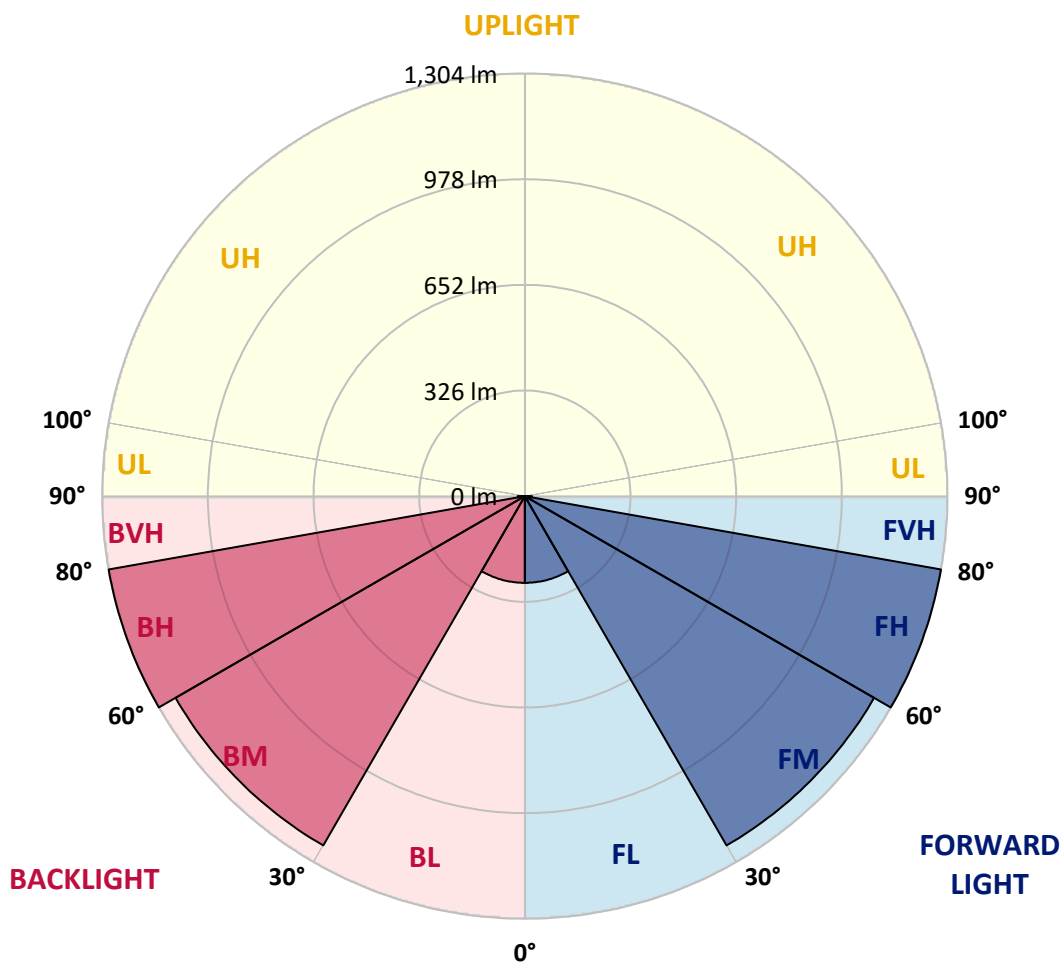
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	267.7	4.7			
FM (30°-60°)	1244.9	21.9			
FH (60°-80°)	1304.5	23.0			G1/1800
FVH (80°-90°)	21.8	0.4			G1/100
BL (0°-30°)	267.7	4.7	B1/500		
BM (30°-60°)	1244.9	21.9	B2/2500		
BH (60°-80°)	1304.5	23.0	B3/2500		G1/1800
BVH (80°-90°)	21.8	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°	624.4	624.4	624.4	624.4	624.4	624.4	624.4	624.4	624.4	624.4	624.4
2.5°	623.6	623.2	624.0	624.4	623.6	624.0	621.6	621.6	622.8	621.6	623.2
5°	626.4	625.6	626.4	626.4	624.4	624.4	621.6	620.8	621.6	619.5	621.2
7.5°	626.8	625.2	626.4	626.0	624.4	624.4	620.4	618.7	619.1	617.1	618.3
10°	622.8	622.0	623.6	622.8	621.6	621.6	618.3	615.9	615.9	613.9	615.1
12.5°	620.4	619.5	621.6	622.0	621.2	621.6	617.5	614.3	613.1	610.7	611.5
15°	620.4	618.7	622.0	622.8	623.6	626.4	620.4	614.7	612.3	609.1	609.9
17.5°	620.0	619.1	622.8	625.6	626.4	629.6	622.8	616.7	613.9	609.1	609.9
20°	620.0	619.5	624.0	629.2	631.6	634.4	627.2	621.6	616.7	611.5	611.5
22.5°	622.0	621.6	627.6	635.2	642.1	646.9	638.5	629.2	622.8	615.9	615.1
25°	630.4	629.6	636.8	646.1	655.4	660.2	651.7	642.5	633.2	625.6	624.8
27.5°	647.7	647.3	654.5	665.8	672.3	675.9	668.6	660.6	651.3	642.5	642.1
30°	671.0	671.0	680.3	692.0	695.6	698.4	691.2	685.5	675.9	666.2	665.4
32.5°	699.2	700.8	711.7	724.6	727.0	728.6	720.9	717.3	706.8	696.4	694.8
35°	736.2	736.6	749.9	762.8	766.0	767.6	758.7	755.5	745.9	734.6	732.2
37.5°	783.3	782.1	794.6	809.0	812.3	814.3	807.0	804.6	792.5	781.3	777.7
40°	836.0	836.8	850.9	864.6	866.6	867.4	863.7	860.1	848.9	836.0	831.6
42.5°	897.1	897.1	913.6	929.7	929.7	925.7	924.1	923.3	912.4	897.9	893.1
45°	967.1	967.9	988.5	1000.5	1001.3	990.5	992.1	996.9	986.5	967.9	961.5
47.5°	1044.0	1045.2	1069.3	1082.6	1080.2	1066.1	1075.0	1077.4	1065.3	1041.6	1033.1
50°	1124.8	1128.5	1155.4	1178.8	1175.5	1155.0	1166.7	1167.5	1147.8	1120.4	1108.8
52.5°	1212.1	1220.6	1256.4	1281.3	1284.6	1258.8	1268.9	1268.1	1242.7	1205.3	1197.7
55°	1320.4	1325.2	1360.6	1396.0	1408.1	1376.3	1387.5	1381.9	1347.7	1305.1	1292.2
57.5°	1428.6	1435.8	1481.3	1521.1	1545.3	1518.3	1520.7	1506.2	1463.2	1411.7	1405.3
60°	1556.9	1560.1	1610.4	1662.3	1704.2	1688.1	1676.8	1646.6	1595.9	1544.4	1535.2
62.5°	1661.9	1668.4	1743.2	1819.6	1890.4	1893.2	1859.1	1814.0	1733.1	1647.0	1628.5
65°	1690.9	1701.3	1806.3	1957.2	2104.5	2170.0	2076.3	1938.7	1758.1	1628.1	1600.4
67.5°	1556.1	1576.2	1726.3	1976.9	2303.6	2500.3	2249.3	1879.6	1627.3	1475.7	1449.1
70°	1210.1	1219.0	1395.2	1739.2	2306.8	2710.3	2179.7	1632.2	1334.0	1171.1	1132.1
72.5°	642.9	647.3	806.2	1171.1	1877.2	2341.4	1801.1	1142.1	785.3	637.3	592.6
75°	207.6	213.2	277.6	479.5	1035.5	1573.4	1062.1	475.1	270.8	218.5	206.8
77.5°	105.8	105.4	117.1	154.5	348.4	771.2	368.5	166.6	117.1	105.0	101.8
80°	66.0	64.8	73.6	84.5	121.9	225.3	132.4	93.3	74.0	63.6	63.2
82.5°	37.4	37.4	49.5	54.3	68.8	92.9	77.2	64.0	50.7	37.8	36.6
85°	20.9	18.5	31.0	34.2	39.4	45.9	47.1	41.4	34.2	20.9	21.7
87.5°	7.6	8.4	14.5	13.7	15.7	10.9	19.3	21.7	19.3	10.1	8.4
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)