

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: P672611

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

Issue Date: 04/16/2023



Test Information

Test Method: LM-79-08
Report Number: P672611
Test Lab: INNOVATION CENTER(G2)
Issue Date: 04/16/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCP-SA-1D-840-U-5MQ
Description: INVUE CLEAR CURVE POLE MOUNT LIGHT SQUARE LUMINAIRE @800mA w/ 5MQ distribution lens
Light Source: (16) 4000K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

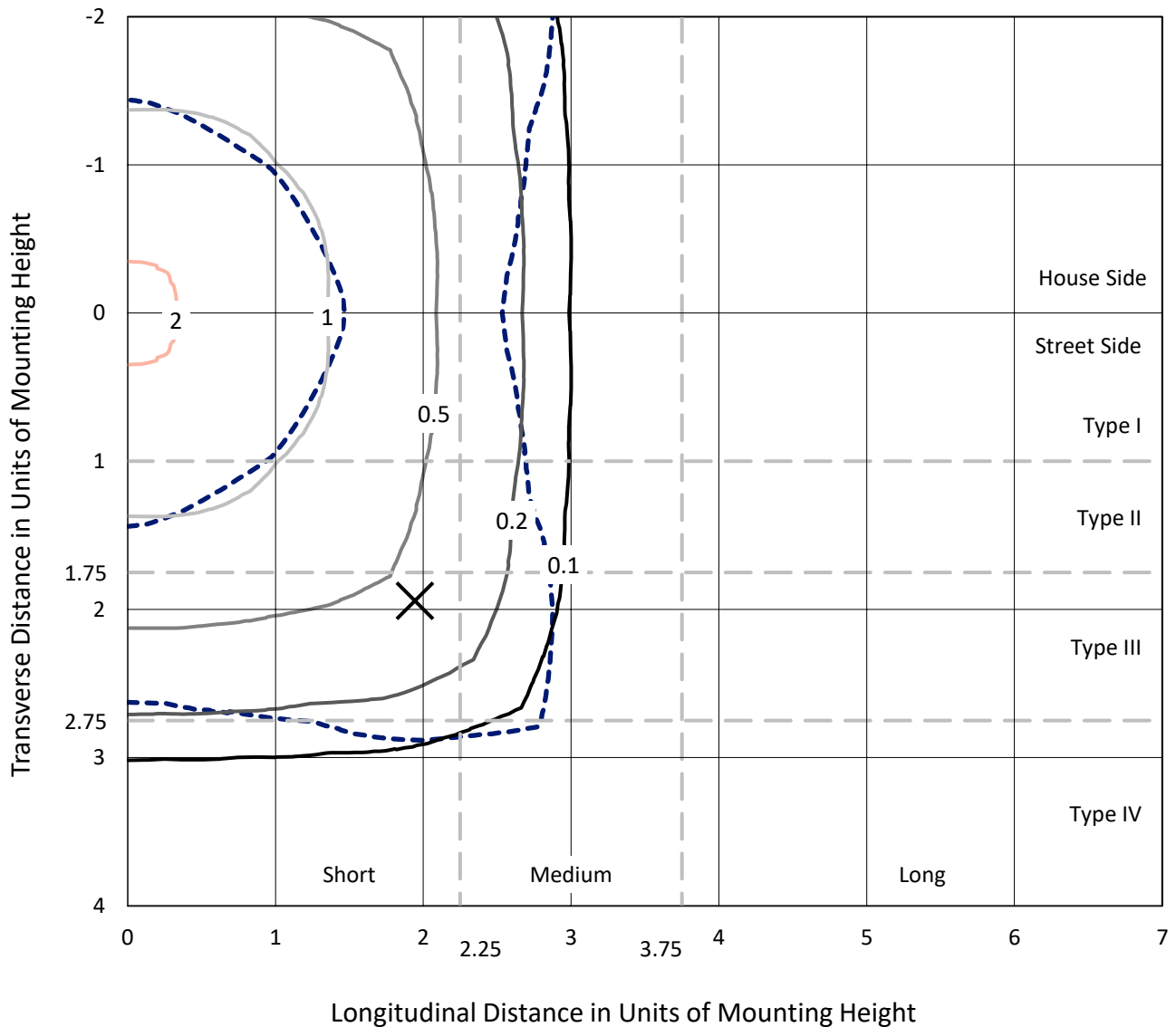
Lumens per Lamp: N/A
Luminaire Lumens: 4908.2 lumens
Efficiency: N/A
Efficacy: 111.5 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B3 - U0 - G1

Input Watts (W): 44
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

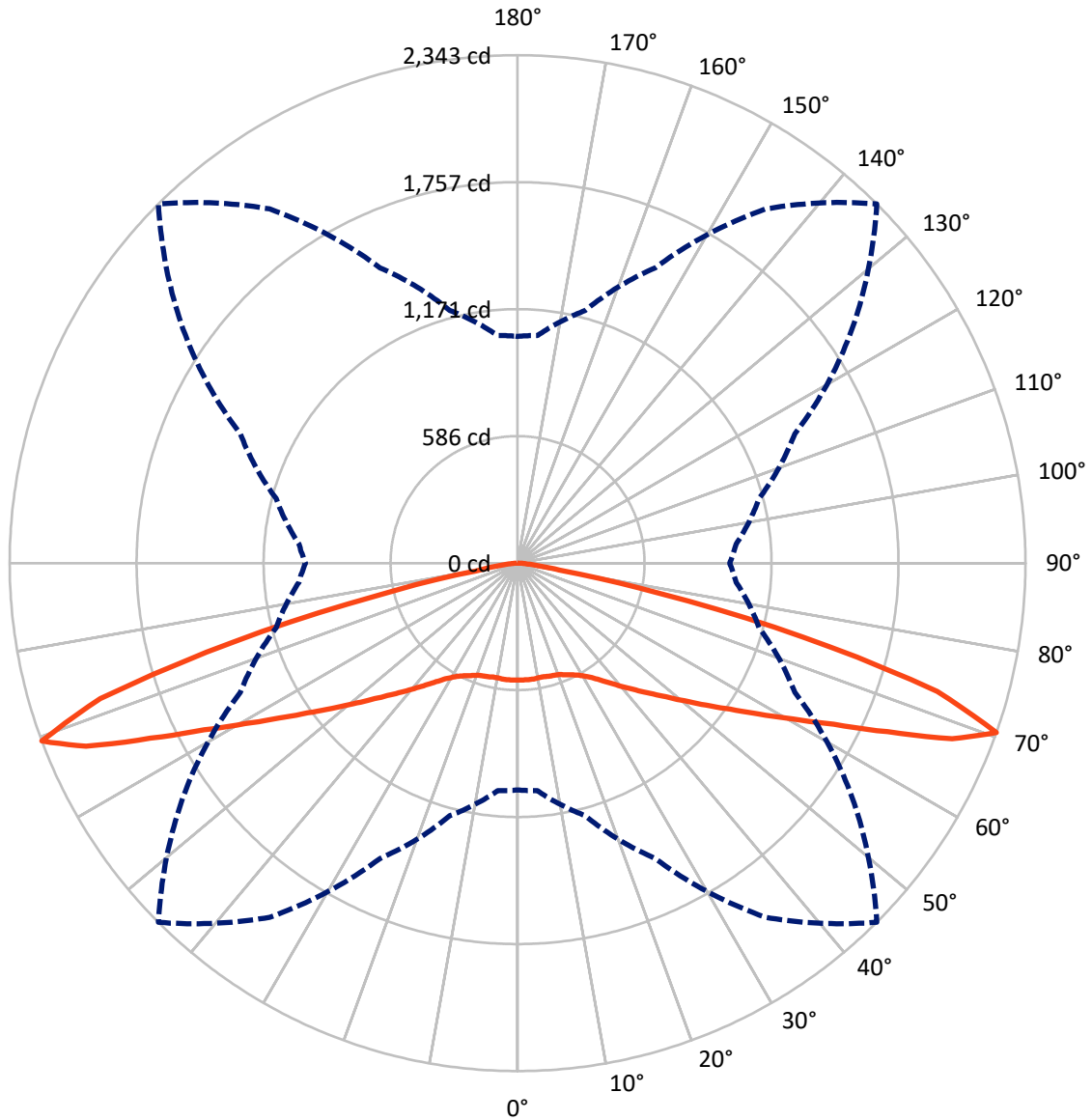
× Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 2.4 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	2454.1	0.0	2454.1
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	2454.1	0.0	2454.1
	% Fixture	50.0	0.0	50.0
Total	Lumens	4908.2	0.0	4908.2
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	51.3	1.0
10°-20°	151.9	3.1
20°-30°	259.5	5.3
30°-40°	414.1	8.4
40°-50°	668.2	13.6
50°-60°	1070.0	21.8
60°-70°	1566.4	31.9
70°-80°	688.9	14.0
80°-90°	37.8	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°	4908.2	100.0
0°-180°	4908.2	100.0



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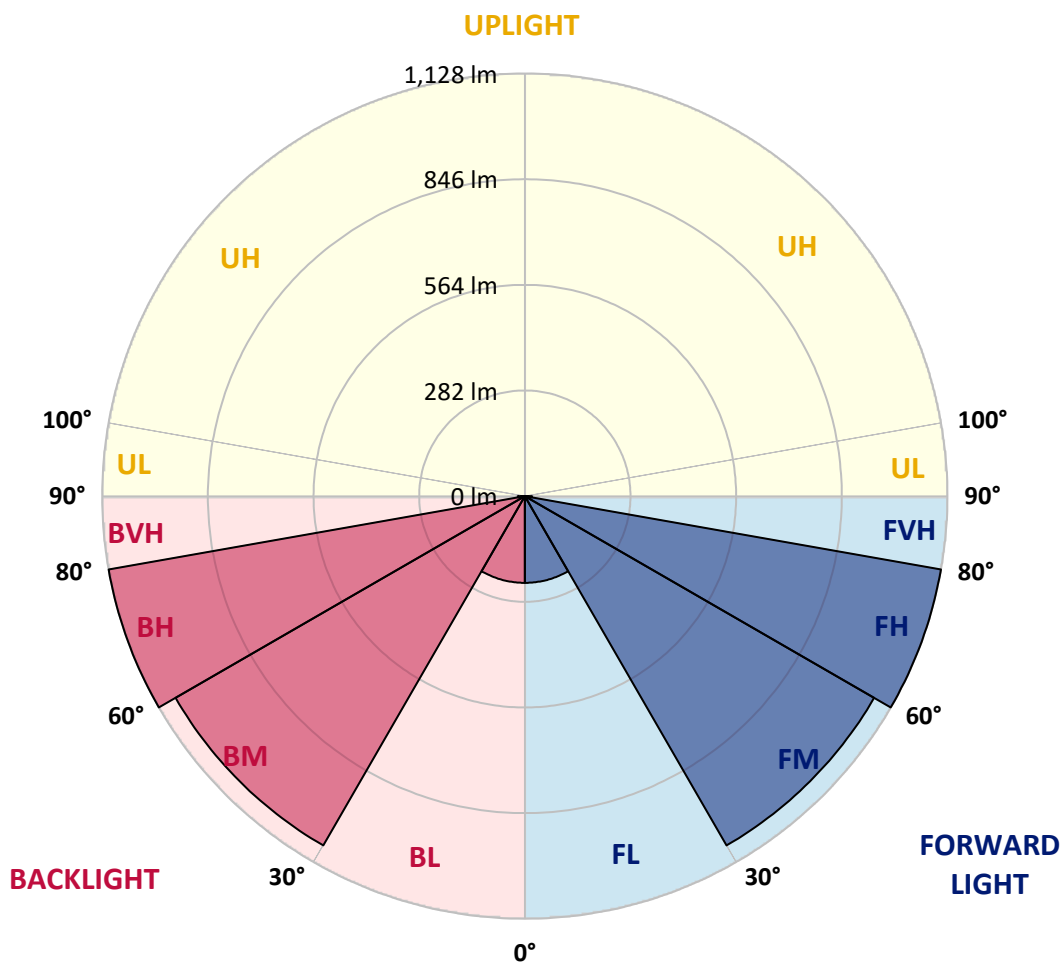
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	231.4	4.7			
FM (30°-60°)	1076.2	21.9			
FH (60°-80°)	1127.7	23.0			G1/1800
FVH (80°-90°)	18.9	0.4			G1/100
BL (0°-30°)	231.4	4.7	B1/500		
BM (30°-60°)	1076.2	21.9	B2/2500		
BH (60°-80°)	1127.7	23.0	B3/2500		G1/1800
BVH (80°-90°)	18.9	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°	539.7	539.7	539.7	539.7	539.7	539.7	539.7	539.7	539.7	539.7	539.7
2.5°	539.0	538.7	539.4	539.7	539.0	539.4	537.3	537.3	538.3	537.3	538.7
5°	541.5	540.8	541.5	541.5	539.7	539.7	537.3	536.6	537.3	535.6	537.0
7.5°	541.8	540.4	541.5	541.1	539.7	539.7	536.3	534.9	535.2	533.5	534.5
10°	538.3	537.7	539.0	538.3	537.3	537.3	534.5	532.4	532.4	530.7	531.7
12.5°	536.3	535.6	537.3	537.7	537.0	537.3	533.8	531.0	530.0	527.9	528.6
15°	536.3	534.9	537.7	538.3	539.0	541.5	536.3	531.4	529.3	526.5	527.2
17.5°	535.9	535.2	538.3	540.8	541.5	544.3	538.3	533.1	530.7	526.5	527.2
20°	535.9	535.6	539.4	543.9	546.0	548.4	542.2	537.3	533.1	528.6	528.6
22.5°	537.7	537.3	542.5	549.1	555.0	559.2	551.9	543.9	538.3	532.4	531.7
25°	545.0	544.3	550.5	558.5	566.5	570.7	563.4	555.4	547.4	540.8	540.1
27.5°	559.9	559.6	565.8	575.6	581.1	584.3	578.0	571.0	563.0	555.4	555.0
30°	580.1	580.1	588.1	598.2	601.3	603.7	597.5	592.6	584.3	575.9	575.2
32.5°	604.4	605.8	615.2	626.3	628.4	629.8	623.2	620.1	611.0	602.0	600.6
35°	636.4	636.8	648.2	659.4	662.2	663.5	655.9	653.1	644.8	635.0	632.9
37.5°	677.1	676.1	686.8	699.4	702.1	703.9	697.6	695.5	685.1	675.4	672.2
40°	722.7	723.4	735.5	747.4	749.1	749.8	746.7	743.5	733.8	722.7	718.8
42.5°	775.5	775.5	789.8	803.7	803.7	800.2	798.8	798.1	788.7	776.2	772.0
45°	836.0	836.7	854.5	864.9	865.6	856.2	857.6	861.8	852.7	836.7	831.2
47.5°	902.5	903.5	924.4	935.8	933.8	921.6	929.2	931.3	920.9	900.4	893.1
50°	972.4	975.5	998.8	1019.0	1016.2	998.4	1008.5	1009.2	992.2	968.5	958.5
52.5°	1047.8	1055.1	1086.1	1107.6	1110.4	1088.2	1096.9	1096.2	1074.3	1041.9	1035.3
55°	1141.4	1145.6	1176.2	1206.8	1217.2	1189.7	1199.5	1194.6	1165.0	1128.2	1117.0
57.5°	1234.9	1241.2	1280.5	1314.9	1335.8	1312.5	1314.6	1302.0	1264.8	1220.3	1214.8
60°	1345.9	1348.7	1392.1	1437.0	1473.2	1459.2	1449.5	1423.4	1379.6	1335.1	1327.1
62.5°	1436.6	1442.2	1506.9	1573.0	1634.2	1636.6	1607.0	1568.1	1498.2	1423.8	1407.8
65°	1461.7	1470.7	1561.5	1691.9	1819.2	1875.9	1794.8	1675.9	1519.8	1407.4	1383.4
67.5°	1345.2	1362.6	1492.3	1708.9	1991.3	2161.4	1944.4	1624.8	1406.7	1275.6	1252.7
70°	1046.1	1053.7	1206.1	1503.4	1994.1	2342.9	1884.2	1410.9	1153.2	1012.4	978.6
72.5°	555.7	559.6	696.9	1012.4	1622.7	2024.0	1557.0	987.3	678.8	550.9	512.3
75°	179.4	184.3	240.0	414.5	895.2	1360.1	918.1	410.7	234.0	188.8	178.8
77.5°	91.5	91.1	101.2	133.5	301.2	666.7	318.6	144.0	101.2	90.8	88.0
80°	57.0	56.0	63.6	73.0	105.4	194.8	114.4	80.7	64.0	54.9	54.6
82.5°	32.3	32.3	42.8	46.9	59.5	80.3	66.8	55.3	43.8	32.7	31.6
85°	18.1	16.0	26.8	29.6	34.1	39.6	40.7	35.8	29.6	18.1	18.8
87.5°	6.6	7.3	12.5	11.8	13.6	9.4	16.7	18.8	16.7	8.7	7.3
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)