

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: P672531

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

Issue Date: 04/16/2023



Test Information

Test Method: LM-79-08
Report Number: P672531
Test Lab: INNOVATION CENTER(G2)
Issue Date: 04/16/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCP-SA-1A-735-U-5MQ
Description: INVUE CLEAR CURVE POLE MOUNT LIGHT SQUARE LUMINAIRE @350mA w/ 5MQ distribution lens
Light Source: (16) 3500K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

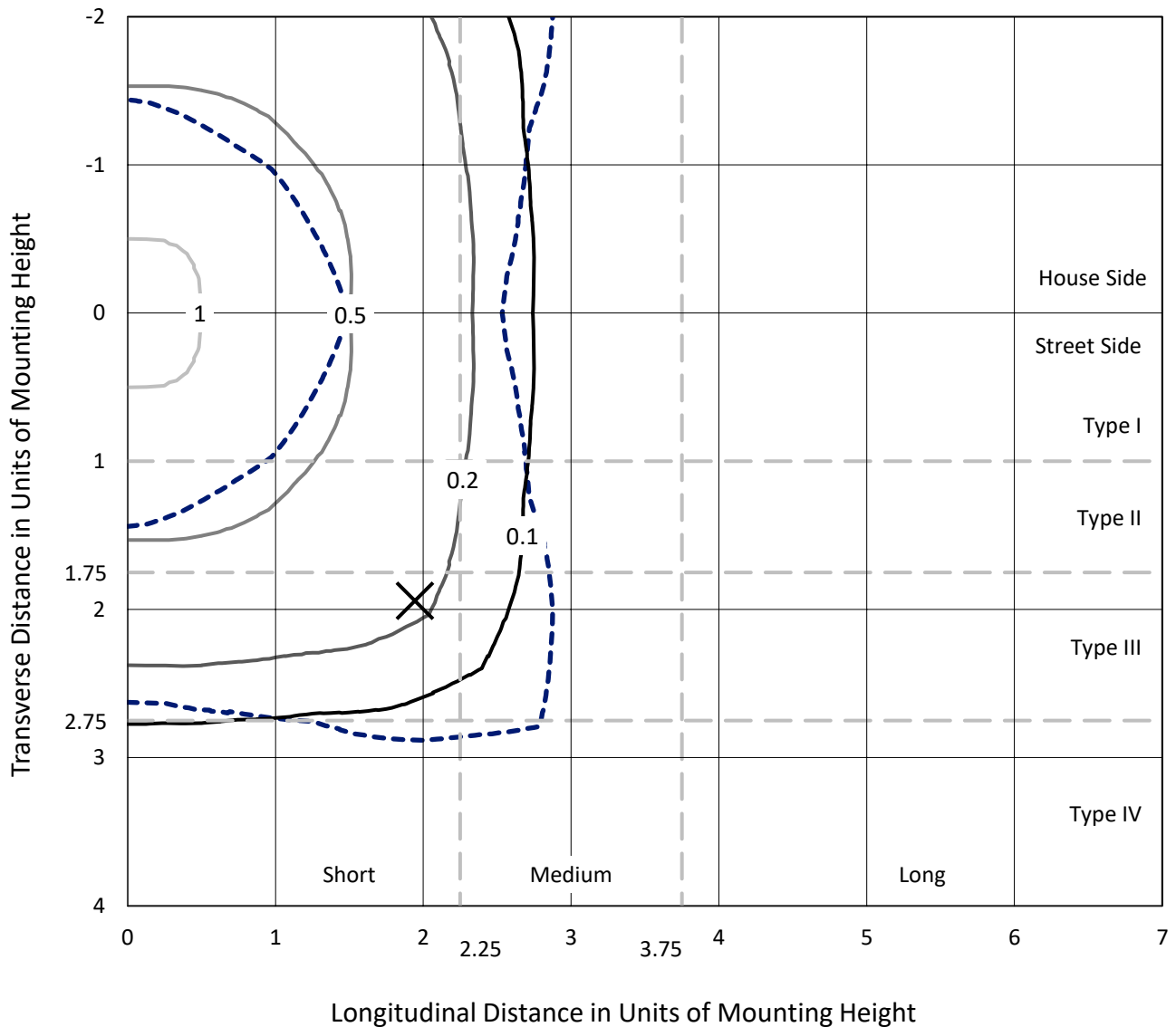
Lumens per Lamp: N/A
Luminaire Lumens: 2785.3 lumens
Efficiency: N/A
Efficacy: 154.7 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B2 - U0 - G1

Input Watts (W): 18
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

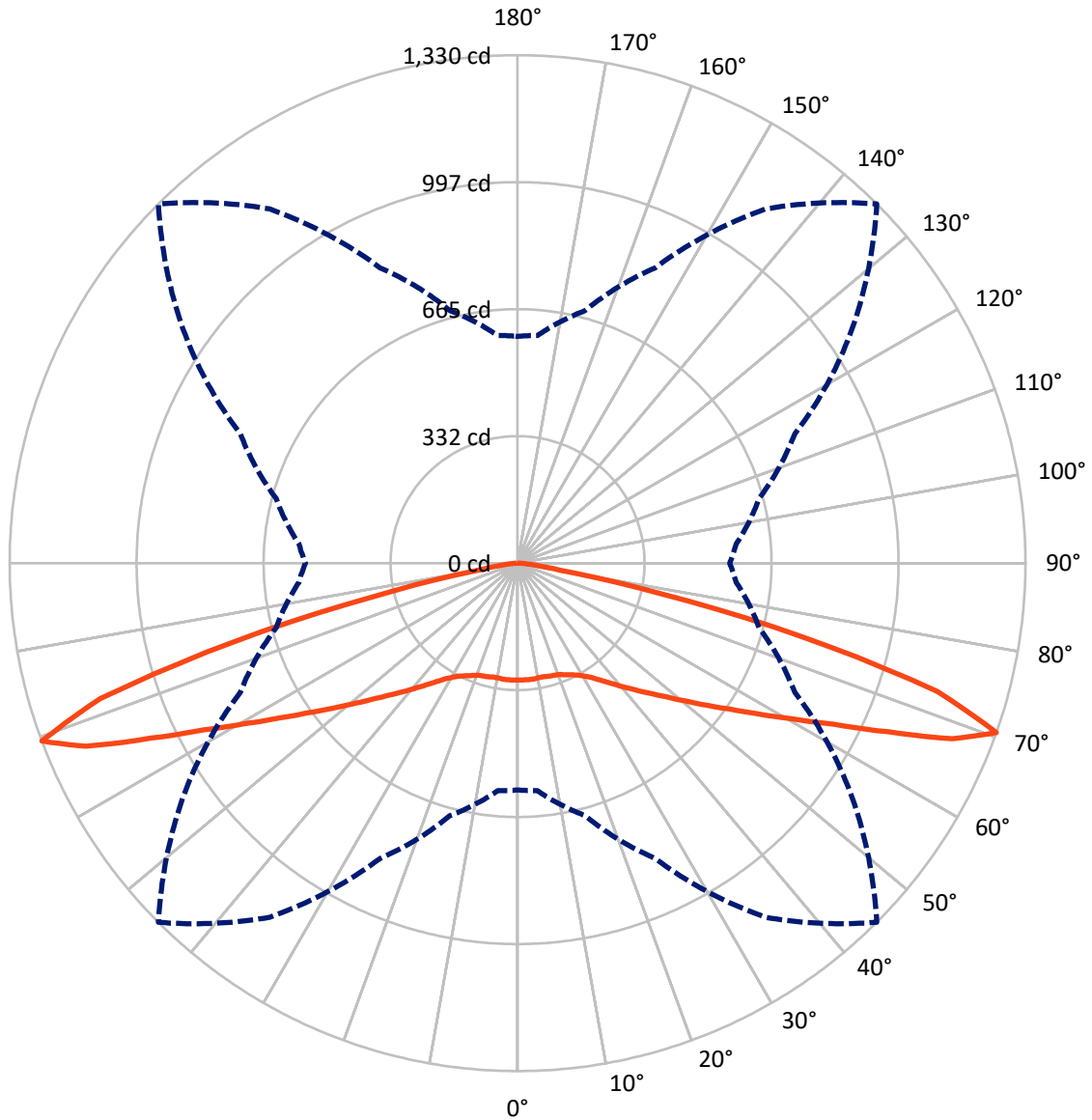
× Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 1.4 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	1392.7	0.0	1392.7
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	1392.7	0.0	1392.7
	% Fixture	50.0	0.0	50.0
Total	Lumens	2785.3	0.0	2785.3
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	29.1	1.0
10°-20°	86.2	3.1
20°-30°	147.3	5.3
30°-40°	235.0	8.4
40°-50°	379.2	13.6
50°-60°	607.2	21.8
60°-70°	888.9	31.9
70°-80°	390.9	14.0
80°-90°	21.4	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°	2785.3	100.0
0°-180°	2785.3	100.0



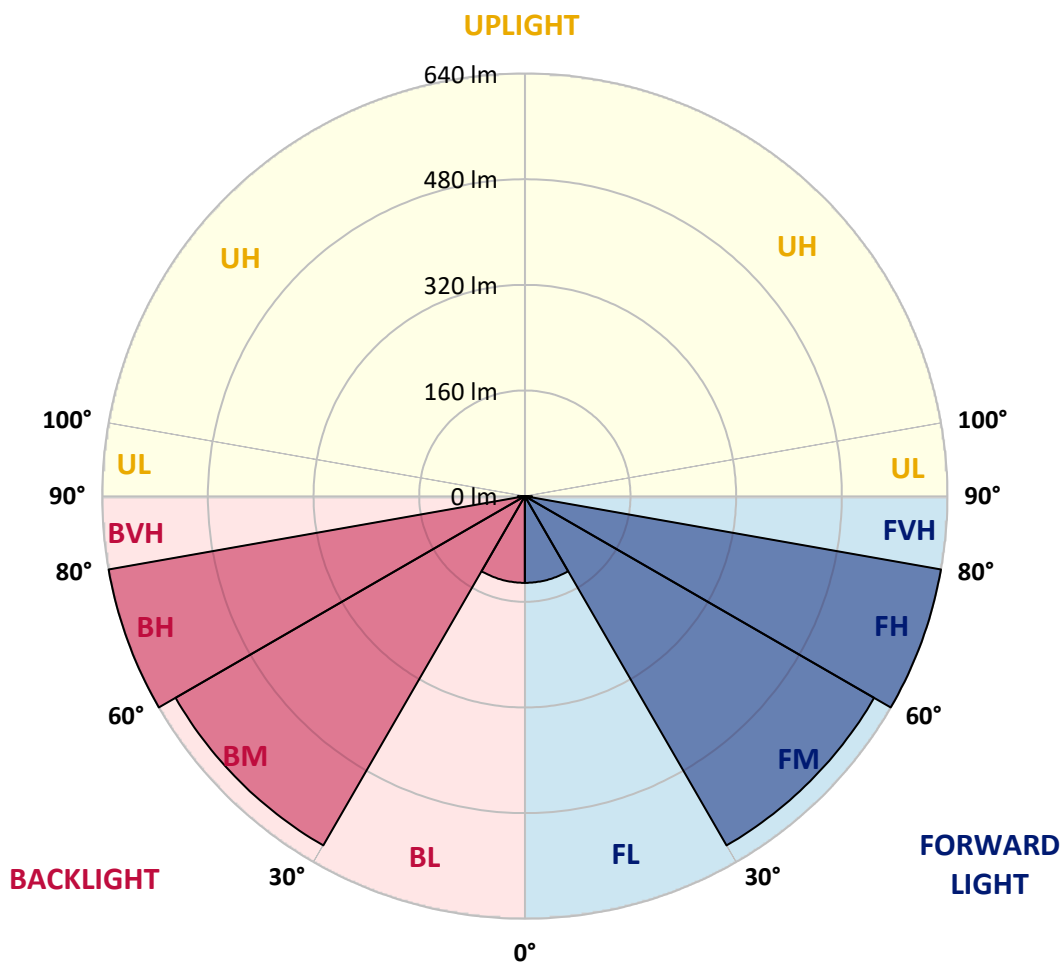
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	131.3	4.7			
FM (30°-60°)	610.7	21.9			
FH (60°-80°)	639.9	23.0			G0/660
FVH (80°-90°)	10.7	0.4			G1/100
BL (0°-30°)	131.3	4.7	B1/500		
BM (30°-60°)	610.7	21.9	B1/1000		
BH (60°-80°)	639.9	23.0	B2/1000		G0/660
BVH (80°-90°)	10.7	0.4			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G1

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	306.3	306.3	306.3	306.3	306.3	306.3	306.3	306.3	306.3	306.3	306.3
2.5°	305.9	305.7	306.1	306.3	305.9	306.1	304.9	304.9	305.5	304.9	305.7
5°	307.3	306.9	307.3	307.3	306.3	306.3	304.9	304.5	304.9	303.9	304.7
7.5°	307.5	306.7	307.3	307.1	306.3	306.3	304.3	303.5	303.7	302.7	303.3
10°	305.5	305.1	305.9	305.5	304.9	304.9	303.3	302.2	302.2	301.2	301.8
12.5°	304.3	303.9	304.9	305.1	304.7	304.9	302.9	301.4	300.8	299.6	300.0
15°	304.3	303.5	305.1	305.5	305.9	307.3	304.3	301.6	300.4	298.8	299.2
17.5°	304.1	303.7	305.5	306.9	307.3	308.9	305.5	302.5	301.2	298.8	299.2
20°	304.1	303.9	306.1	308.7	309.8	311.2	307.7	304.9	302.5	300.0	300.0
22.5°	305.1	304.9	307.9	311.6	315.0	317.3	313.2	308.7	305.5	302.2	301.8
25°	309.3	308.9	312.4	317.0	321.5	323.9	319.7	315.2	310.6	306.9	306.5
27.5°	317.7	317.5	321.1	326.6	329.8	331.6	328.0	324.1	319.5	315.2	315.0
30°	329.2	329.2	333.7	339.5	341.2	342.6	339.1	336.3	331.6	326.8	326.4
32.5°	343.0	343.8	349.1	355.4	356.6	357.4	353.7	351.9	346.8	341.6	340.8
35°	361.2	361.4	367.9	374.2	375.8	376.6	372.2	370.6	365.9	360.4	359.2
37.5°	384.3	383.7	389.8	396.9	398.5	399.4	395.9	394.7	388.8	383.3	381.5
40°	410.1	410.5	417.4	424.1	425.1	425.5	423.7	421.9	416.4	410.1	407.9
42.5°	440.1	440.1	448.2	456.1	456.1	454.1	453.3	452.9	447.6	440.5	438.1
45°	474.4	474.8	484.9	490.8	491.2	485.9	486.7	489.0	483.9	474.8	471.7
47.5°	512.1	512.7	524.6	531.1	529.9	523.0	527.3	528.5	522.6	511.0	506.8
50°	551.8	553.6	566.8	578.3	576.7	566.6	572.3	572.7	563.1	549.6	543.9
52.5°	594.6	598.8	616.3	628.6	630.2	617.5	622.5	622.1	609.6	591.3	587.5
55°	647.7	650.1	667.5	684.8	690.7	675.2	680.7	677.9	661.1	640.2	633.9
57.5°	700.8	704.4	726.7	746.2	758.0	744.8	746.0	738.9	717.8	692.5	689.4
60°	763.8	765.3	790.0	815.5	836.0	828.1	822.6	807.8	782.9	757.6	753.1
62.5°	815.3	818.4	855.1	892.6	927.4	928.8	912.0	889.9	850.2	808.0	798.9
65°	829.5	834.6	886.1	960.1	1032.4	1064.5	1018.6	951.1	862.4	798.7	785.1
67.5°	763.4	773.2	846.9	969.8	1130.1	1226.6	1103.4	922.0	798.3	723.9	710.9
70°	593.6	598.0	684.4	853.2	1131.6	1329.6	1069.3	800.7	654.4	574.5	555.4
72.5°	315.4	317.5	395.5	574.5	920.9	1148.6	883.6	560.3	385.2	312.6	290.7
75°	101.8	104.6	136.2	235.2	508.0	771.9	521.0	233.1	132.8	107.2	101.4
77.5°	51.9	51.7	57.4	75.8	170.9	378.3	180.8	81.7	57.4	51.5	49.9
80°	32.4	31.8	36.1	41.4	59.8	110.5	64.9	45.8	36.3	31.2	31.0
82.5°	18.4	18.4	24.3	26.6	33.7	45.6	37.9	31.4	24.9	18.6	18.0
85°	10.3	9.1	15.2	16.8	19.3	22.5	23.1	20.3	16.8	10.3	10.7
87.5°	3.7	4.1	7.1	6.7	7.7	5.3	9.5	10.7	9.5	4.9	4.1
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)