

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: P672597

Luminaire Tested: **CCP-SA-1A-835-U-5MQ**

Issue Date: 04/16/2023



Test Information

Test Method: LM-79-08
Report Number: P672597
Test Lab: INNOVATION CENTER(G2)
Issue Date: 04/16/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCP-SA-1A-835-U-5MQ
Description: INVUE CLEAR CURVE POLE MOUNT LIGHT SQUARE LUMINAIRE @350mA w/ 5MQ
distribution lens
Light Source: (16) 3500K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

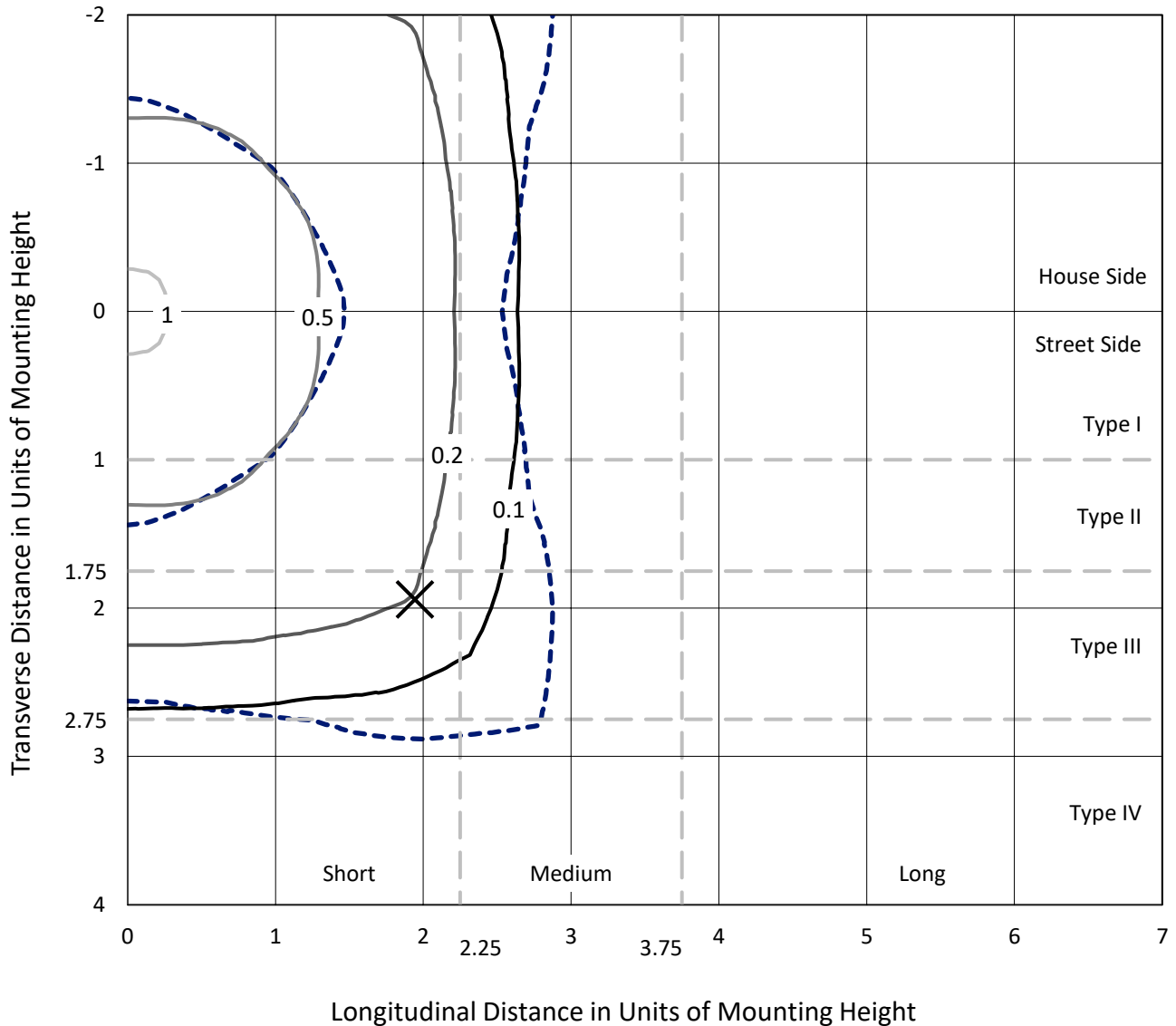
Lumens per Lamp: N/A
Luminaire Lumens: 2327 lumens
Efficiency: N/A
Efficacy: 129.3 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B2 - U0 - G0

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

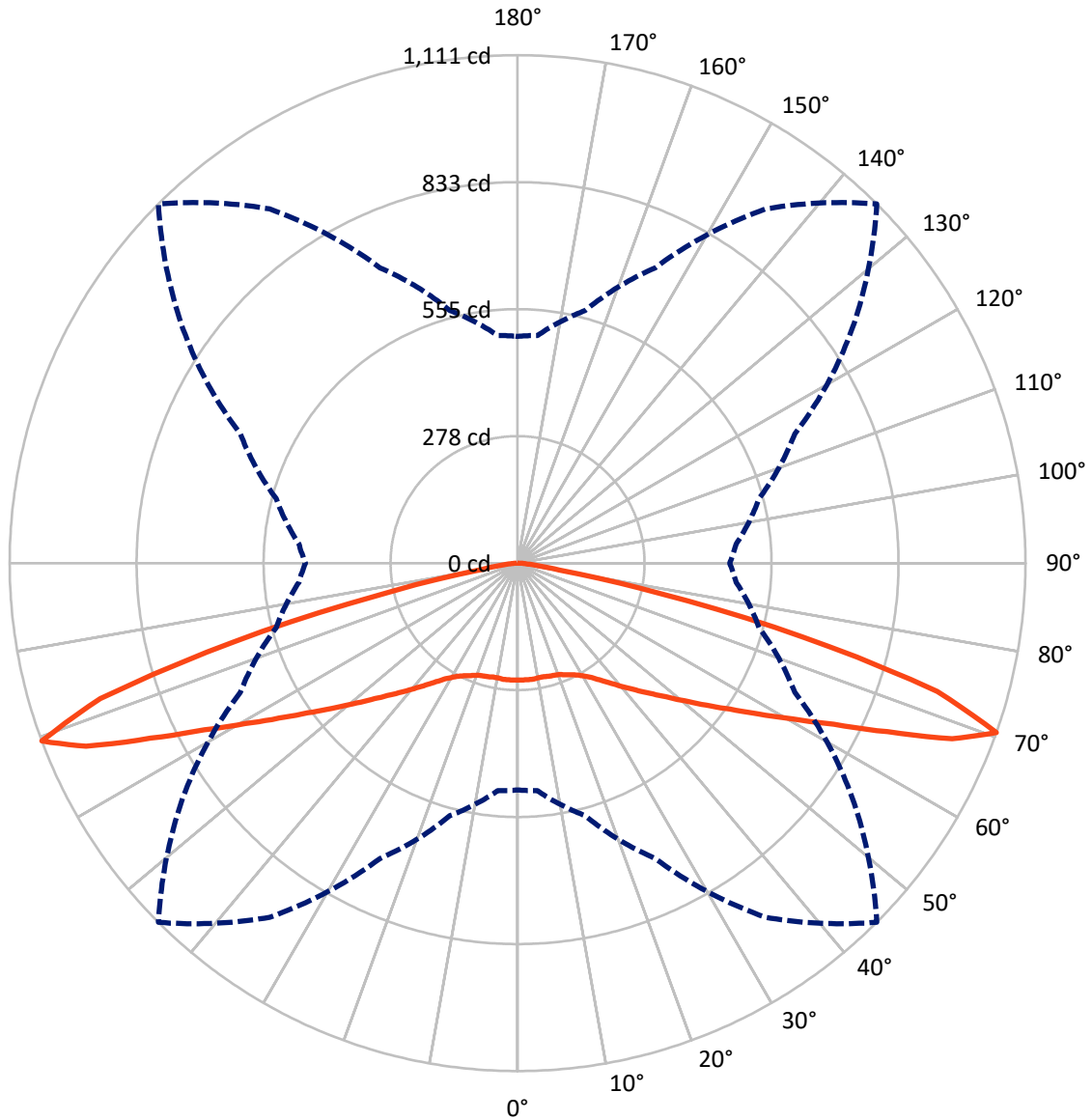
× Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 1.1 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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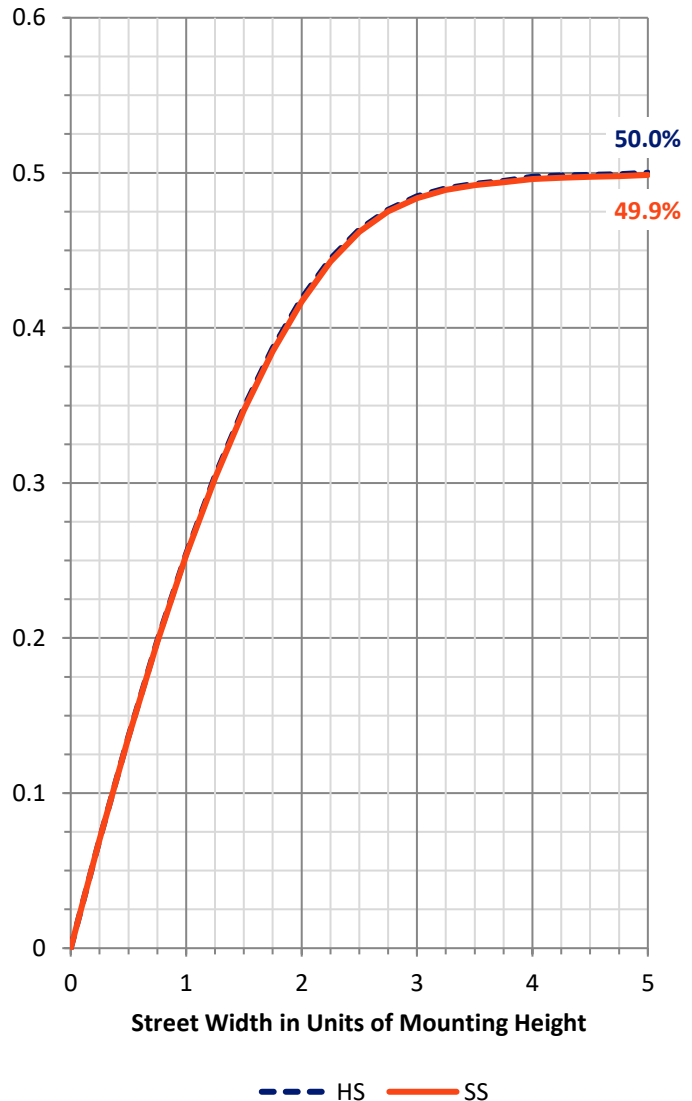
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1163.5	0.0	1163.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	1163.5	0.0	1163.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	2327.0	0.0	2327.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	24.3	1.0
10°-20°	72.0	3.1
20°-30°	123.0	5.3
30°-40°	196.3	8.4
40°-50°	316.8	13.6
50°-60°	507.3	21.8
60°-70°	742.6	31.9
70°-80°	326.6	14.0
80°-90°	17.9	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°	2327.0	100.0
0°-180°	2327.0	100.0



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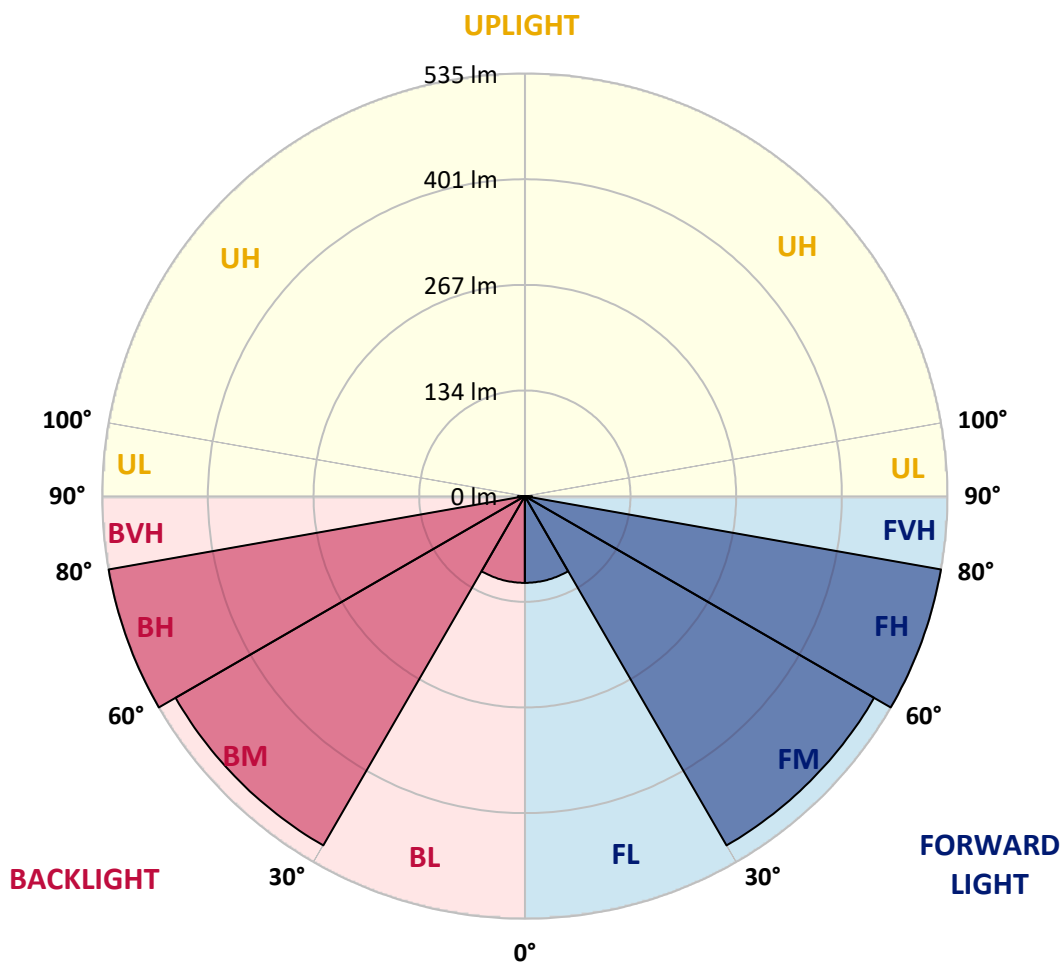
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	109.7	4.7			
FM (30°-60°)	510.2	21.9			
FH (60°-80°)	534.6	23.0			G0/660
FVH (80°-90°)	9.0	0.4			G0/10
BL (0°-30°)	109.7	4.7	B0/110		
BM (30°-60°)	510.2	21.9	B1/1000		
BH (60°-80°)	534.6	23.0	B2/1000		G0/660
BVH (80°-90°)	9.0	0.4			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G0

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	255.9	255.9	255.9	255.9	255.9	255.9	255.9	255.9	255.9	255.9	255.9
2.5°	255.6	255.4	255.7	255.9	255.6	255.7	254.7	254.7	255.2	254.7	255.4
5°	256.7	256.4	256.7	256.7	255.9	255.9	254.7	254.4	254.7	253.9	254.6
7.5°	256.9	256.2	256.7	256.6	255.9	255.9	254.2	253.6	253.8	252.9	253.4
10°	255.2	254.9	255.6	255.2	254.7	254.7	253.4	252.4	252.4	251.6	252.1
12.5°	254.2	253.9	254.7	254.9	254.6	254.7	253.1	251.8	251.3	250.3	250.6
15°	254.2	253.6	254.9	255.2	255.6	256.7	254.2	251.9	250.9	249.6	250.0
17.5°	254.1	253.8	255.2	256.4	256.7	258.0	255.2	252.8	251.6	249.6	250.0
20°	254.1	253.9	255.7	257.9	258.9	260.0	257.0	254.7	252.8	250.6	250.6
22.5°	254.9	254.7	257.2	260.3	263.1	265.1	261.7	257.9	255.2	252.4	252.1
25°	258.4	258.0	261.0	264.8	268.6	270.6	267.1	263.3	259.5	256.4	256.1
27.5°	265.5	265.3	268.3	272.9	275.5	277.0	274.0	270.7	266.9	263.3	263.1
30°	275.0	275.0	278.8	283.6	285.1	286.2	283.3	281.0	277.0	273.0	272.7
32.5°	286.6	287.2	291.7	296.9	297.9	298.6	295.5	294.0	289.7	285.4	284.7
35°	301.7	301.9	307.3	312.6	313.9	314.6	311.0	309.6	305.7	301.1	300.1
37.5°	321.0	320.5	325.6	331.6	332.9	333.7	330.7	329.8	324.8	320.2	318.7
40°	342.6	343.0	348.7	354.3	355.2	355.5	354.0	352.5	347.9	342.6	340.8
42.5°	367.7	367.7	374.4	381.0	381.0	379.4	378.7	378.4	373.9	368.0	366.0
45°	396.4	396.7	405.1	410.1	410.4	405.9	406.6	408.6	404.3	396.7	394.1
47.5°	427.9	428.4	438.3	443.7	442.7	436.9	440.6	441.5	436.6	426.9	423.4
50°	461.0	462.5	473.5	483.1	481.8	473.4	478.2	478.5	470.4	459.2	454.4
52.5°	496.8	500.2	514.9	525.1	526.5	515.9	520.0	519.7	509.3	494.0	490.8
55°	541.1	543.1	557.6	572.1	577.1	564.1	568.7	566.4	552.3	534.9	529.6
57.5°	585.5	588.5	607.1	623.4	633.3	622.3	623.2	617.3	599.7	578.6	575.9
60°	638.1	639.4	660.0	681.3	698.4	691.8	687.2	674.9	654.1	633.0	629.2
62.5°	681.1	683.8	714.4	745.8	774.8	775.9	761.9	743.4	710.3	675.0	667.4
65°	693.0	697.3	740.3	802.1	862.5	889.4	850.9	794.6	720.5	667.3	655.9
67.5°	637.8	646.0	707.5	810.2	944.1	1024.7	921.8	770.3	666.9	604.8	593.9
70°	496.0	499.6	571.8	712.8	945.4	1110.8	893.3	668.9	546.7	480.0	464.0
72.5°	263.5	265.3	330.4	480.0	769.3	959.6	738.2	468.1	321.8	261.2	242.9
75°	85.1	87.4	113.8	196.5	424.4	644.8	435.3	194.7	111.0	89.5	84.7
77.5°	43.4	43.2	48.0	63.3	142.8	316.1	151.0	68.3	48.0	43.0	41.7
80°	27.0	26.5	30.2	34.6	50.0	92.3	54.2	38.3	30.3	26.1	25.9
82.5°	15.3	15.3	20.3	22.3	28.2	38.1	31.7	26.2	20.8	15.5	15.0
85°	8.6	7.6	12.7	14.0	16.2	18.8	19.3	17.0	14.0	8.6	8.9
87.5°	3.1	3.5	5.9	5.6	6.4	4.5	7.9	8.9	7.9	4.1	3.5
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)