

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: P672608

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

Issue Date: 04/16/2023



Test Information

Test Method: LM-79-08
Report Number: P672608
Test Lab: INNOVATION CENTER(G2)
Issue Date: 04/16/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCP-SA-1A-840-U-5MQ
Description: INVUE CLEAR CURVE POLE MOUNT LIGHT SQUARE LUMINAIRE @350mA w/ 5MQ
distribution lens
Light Source: (16) 4000K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

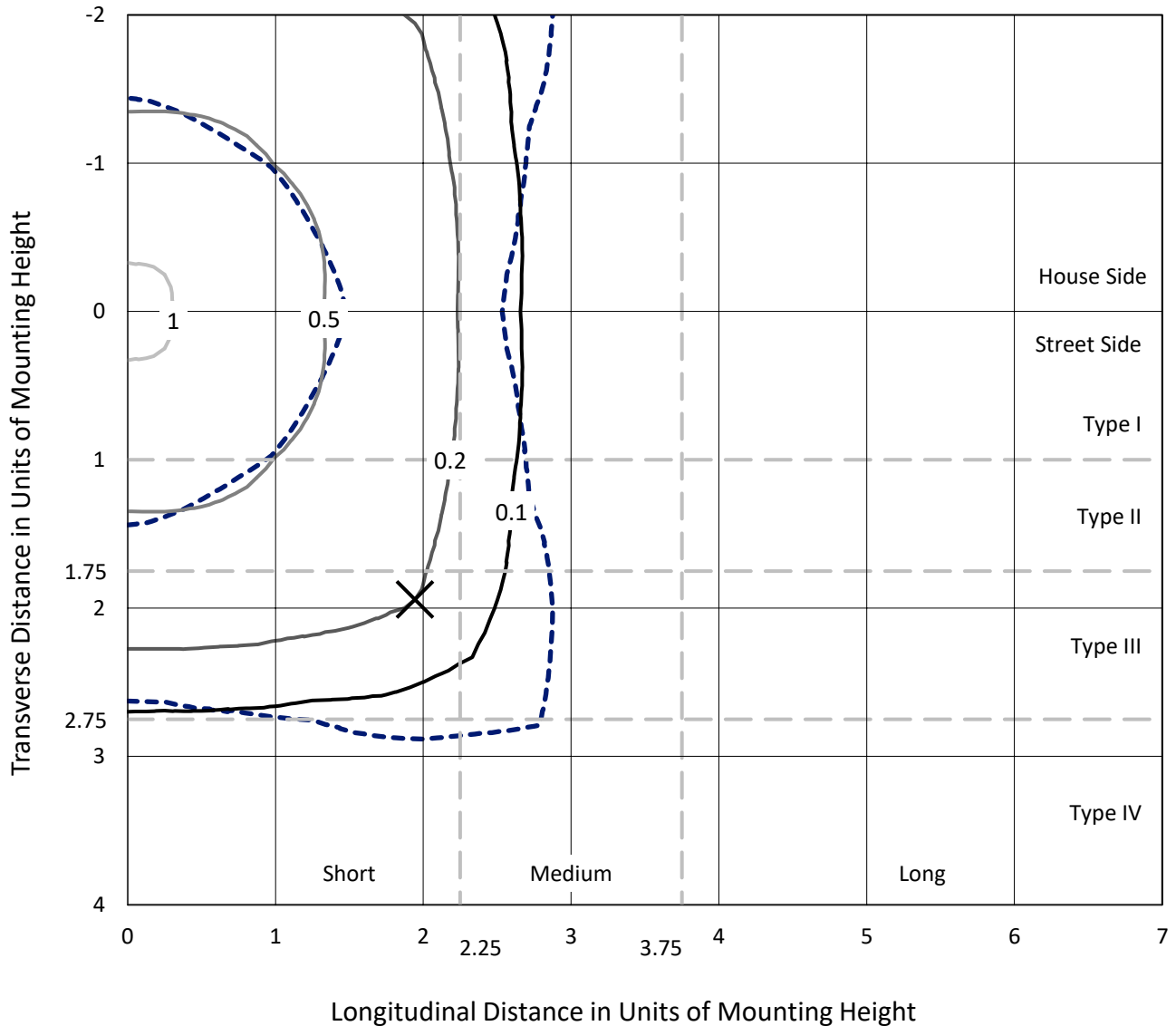
Lumens per Lamp: N/A
Luminaire Lumens: 2407.8 lumens
Efficiency: N/A
Efficacy: 133.8 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B2 - U0 - G0

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

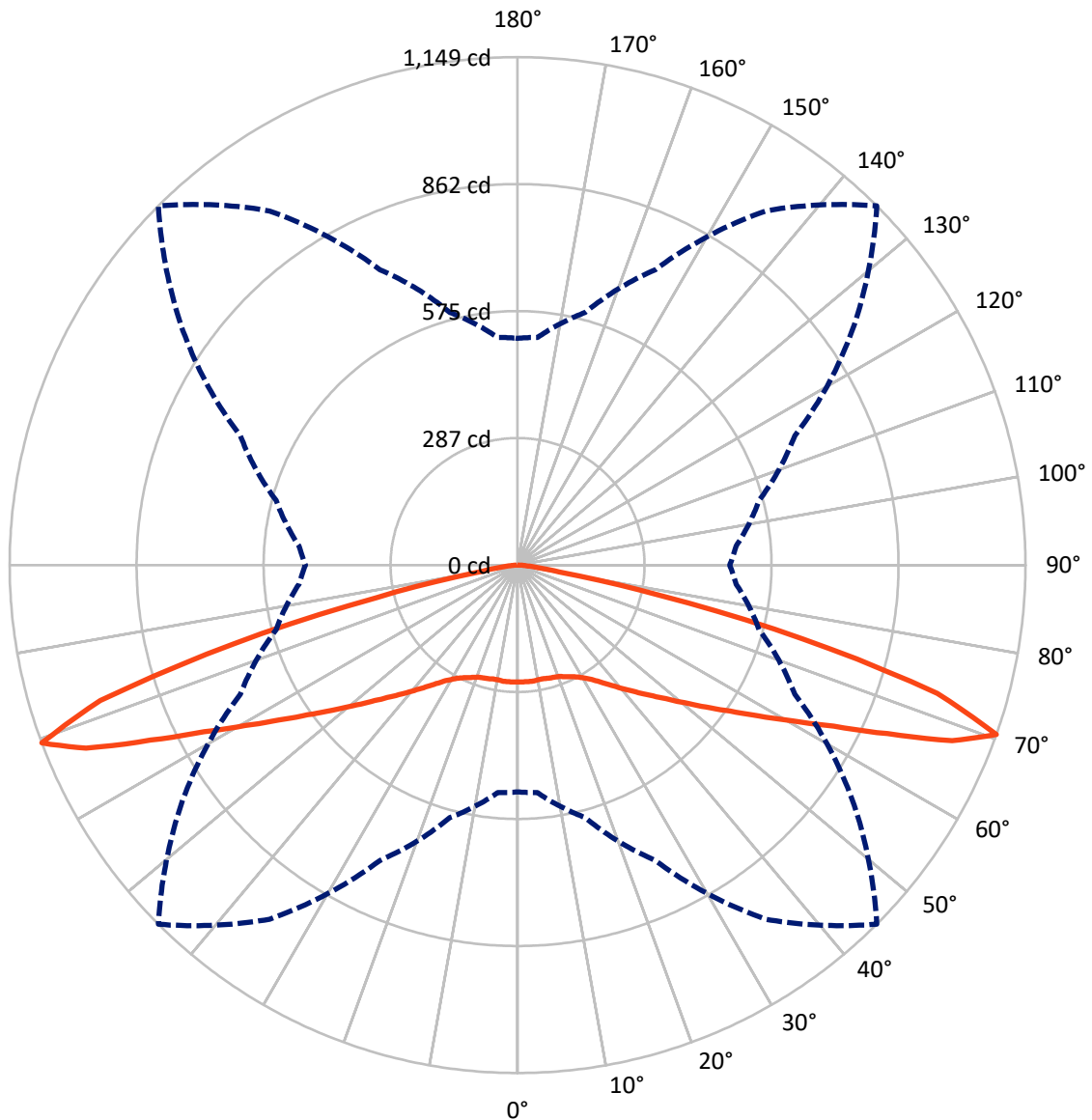
× Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 1.2 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	1203.9	0.0	1203.9
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	1203.9	0.0	1203.9
	% Fixture	50.0	0.0	50.0
Total	Lumens	2407.8	0.0	2407.8
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	25.2	1.0
10°-20°	74.5	3.1
20°-30°	127.3	5.3
30°-40°	203.1	8.4
40°-50°	327.8	13.6
50°-60°	524.9	21.8
60°-70°	768.4	31.9
70°-80°	337.9	14.0
80°-90°	18.5	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°	2407.8	100.0
0°-180°	2407.8	100.0



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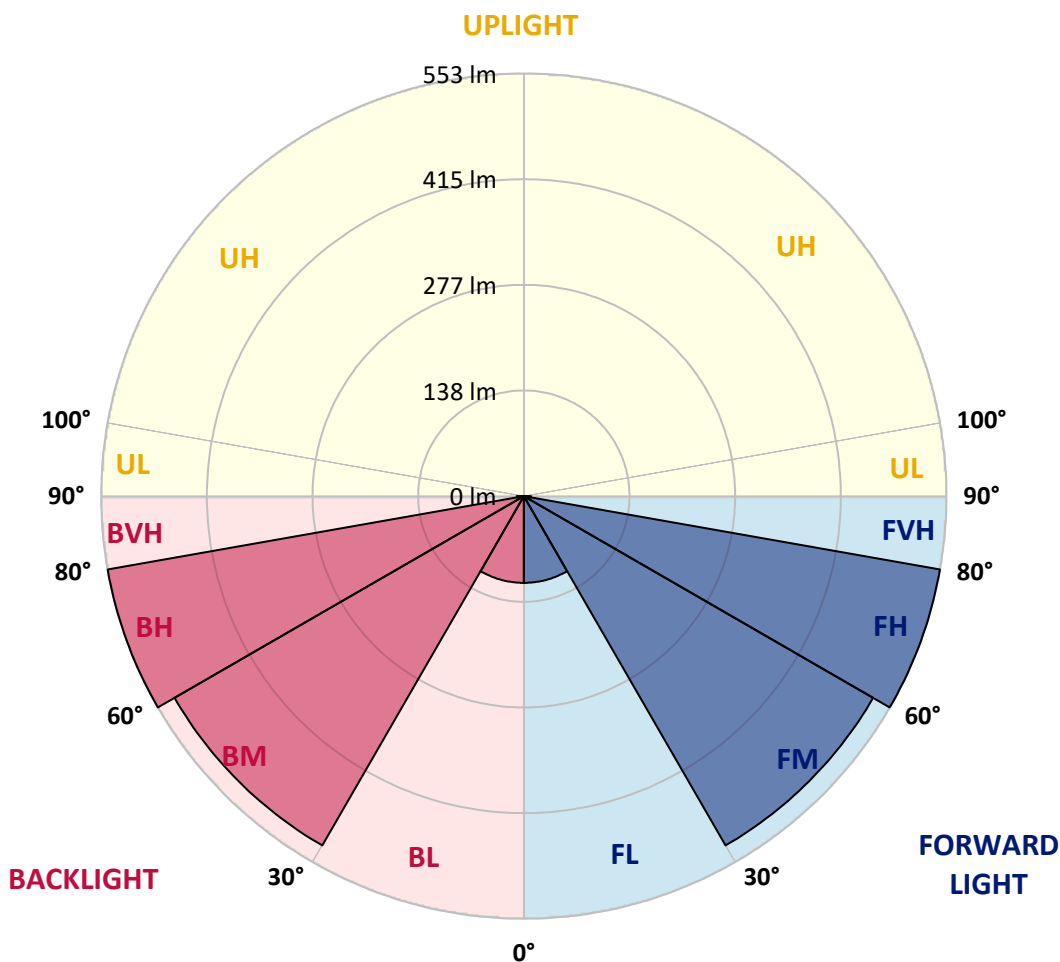
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	113.5	4.7			
FM (30°-60°)	527.9	21.9			
FH (60°-80°)	553.2	23.0			G0/660
FVH (80°-90°)	9.3	0.4			G0/10
BL (0°-30°)	113.5	4.7	B1/500		
BM (30°-60°)	527.9	21.9	B1/1000		
BH (60°-80°)	553.2	23.0	B2/1000		G0/660
BVH (80°-90°)	9.3	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°	264.8	264.8	264.8	264.8	264.8	264.8	264.8	264.8	264.8	264.8	264.8
2.5°	264.4	264.3	264.6	264.8	264.4	264.6	263.6	263.6	264.1	263.6	264.3
5°	265.6	265.3	265.6	265.6	264.8	264.8	263.6	263.2	263.6	262.7	263.4
7.5°	265.8	265.1	265.6	265.5	264.8	264.8	263.1	262.4	262.6	261.7	262.2
10°	264.1	263.8	264.4	264.1	263.6	263.6	262.2	261.2	261.2	260.3	260.9
12.5°	263.1	262.7	263.6	263.8	263.4	263.6	261.9	260.5	260.0	259.0	259.3
15°	263.1	262.4	263.8	264.1	264.4	265.6	263.1	260.7	259.7	258.3	258.6
17.5°	262.9	262.6	264.1	265.3	265.6	267.0	264.1	261.5	260.3	258.3	258.6
20°	262.9	262.7	264.6	266.8	267.8	269.0	266.0	263.6	261.5	259.3	259.3
22.5°	263.8	263.6	266.1	269.4	272.3	274.3	270.7	266.8	264.1	261.2	260.9
25°	267.3	267.0	270.1	274.0	277.9	280.0	276.4	272.5	268.5	265.3	264.9
27.5°	274.7	274.5	277.6	282.3	285.1	286.6	283.5	280.1	276.2	272.5	272.3
30°	284.6	284.6	288.5	293.4	295.0	296.2	293.1	290.7	286.6	282.5	282.2
32.5°	296.5	297.2	301.8	307.3	308.3	309.0	305.7	304.2	299.7	295.3	294.6
35°	312.2	312.4	318.0	323.5	324.8	325.5	321.8	320.4	316.3	311.5	310.5
37.5°	332.2	331.7	336.9	343.1	344.4	345.3	342.2	341.2	336.1	331.3	329.8
40°	354.5	354.9	360.8	366.6	367.5	367.8	366.3	364.7	360.0	354.5	352.6
42.5°	380.4	380.4	387.4	394.3	394.3	392.6	391.9	391.5	386.9	380.8	378.7
45°	410.1	410.5	419.2	424.3	424.6	420.0	420.7	422.8	418.3	410.5	407.7
47.5°	442.7	443.2	453.5	459.1	458.1	452.1	455.9	456.9	451.8	441.7	438.1
50°	477.0	478.5	490.0	499.9	498.5	489.8	494.7	495.1	486.7	475.1	470.2
52.5°	514.0	517.6	532.8	543.4	544.7	533.8	538.1	537.7	527.0	511.1	507.9
55°	559.9	562.0	577.0	592.0	597.1	583.6	588.4	586.0	571.5	553.4	548.0
57.5°	605.8	608.9	628.2	645.0	655.3	643.9	644.9	638.7	620.5	598.6	595.9
60°	660.2	661.6	682.9	704.9	722.7	715.8	711.1	698.3	676.8	654.9	651.0
62.5°	704.8	707.5	739.2	771.6	801.7	802.9	788.4	769.2	735.0	698.4	690.6
65°	717.0	721.5	766.0	830.0	892.4	920.2	880.5	822.1	745.5	690.4	678.7
67.5°	659.9	668.4	732.1	838.3	976.9	1060.3	953.8	797.1	690.1	625.8	614.5
70°	513.2	516.9	591.7	737.5	978.2	1149.4	924.3	692.1	565.7	496.6	480.1
72.5°	272.6	274.5	341.9	496.6	796.0	992.9	763.8	484.3	333.0	270.2	251.3
75°	88.0	90.4	117.7	203.4	439.1	667.2	450.4	201.5	114.8	92.6	87.7
77.5°	44.9	44.7	49.6	65.5	147.7	327.0	156.3	70.6	49.6	44.5	43.2
80°	28.0	27.5	31.2	35.8	51.7	95.5	56.1	39.6	31.4	27.0	26.8
82.5°	15.9	15.9	21.0	23.0	29.2	39.4	32.8	27.1	21.5	16.0	15.5
85°	8.9	7.8	13.1	14.5	16.7	19.4	20.0	17.6	14.5	8.9	9.2
87.5°	3.2	3.6	6.1	5.8	6.7	4.6	8.2	9.2	8.2	4.3	3.6
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)