

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: P672532

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

Issue Date: 04/16/2023



Test Information

Test Method: LM-79-08
Report Number: P672532
Test Lab: INNOVATION CENTER(G2)
Issue Date: 04/16/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCP-SA-1B-735-U-5MQ
Description: INVUE CLEAR CURVE POLE MOUNT LIGHT SQUARE LUMINAIRE @450mA w/ 5MQ
distribution lens
Light Source: (16) 3500K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

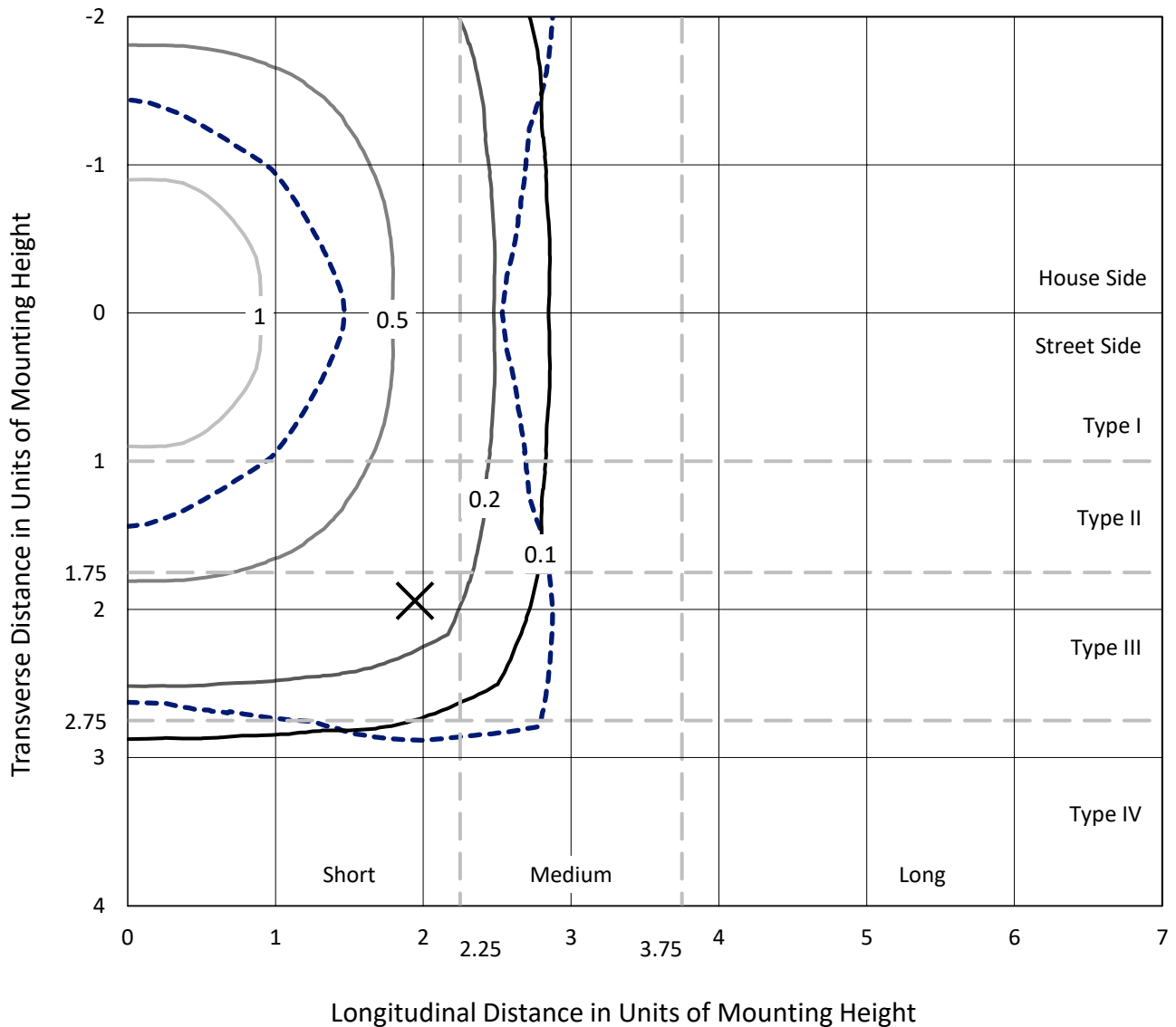
Lumens per Lamp: N/A
Luminaire Lumens: 3516.1 lumens
Efficiency: N/A
Efficacy: 146.5 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B2 - U0 - G1

Input Watts (W): 24
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

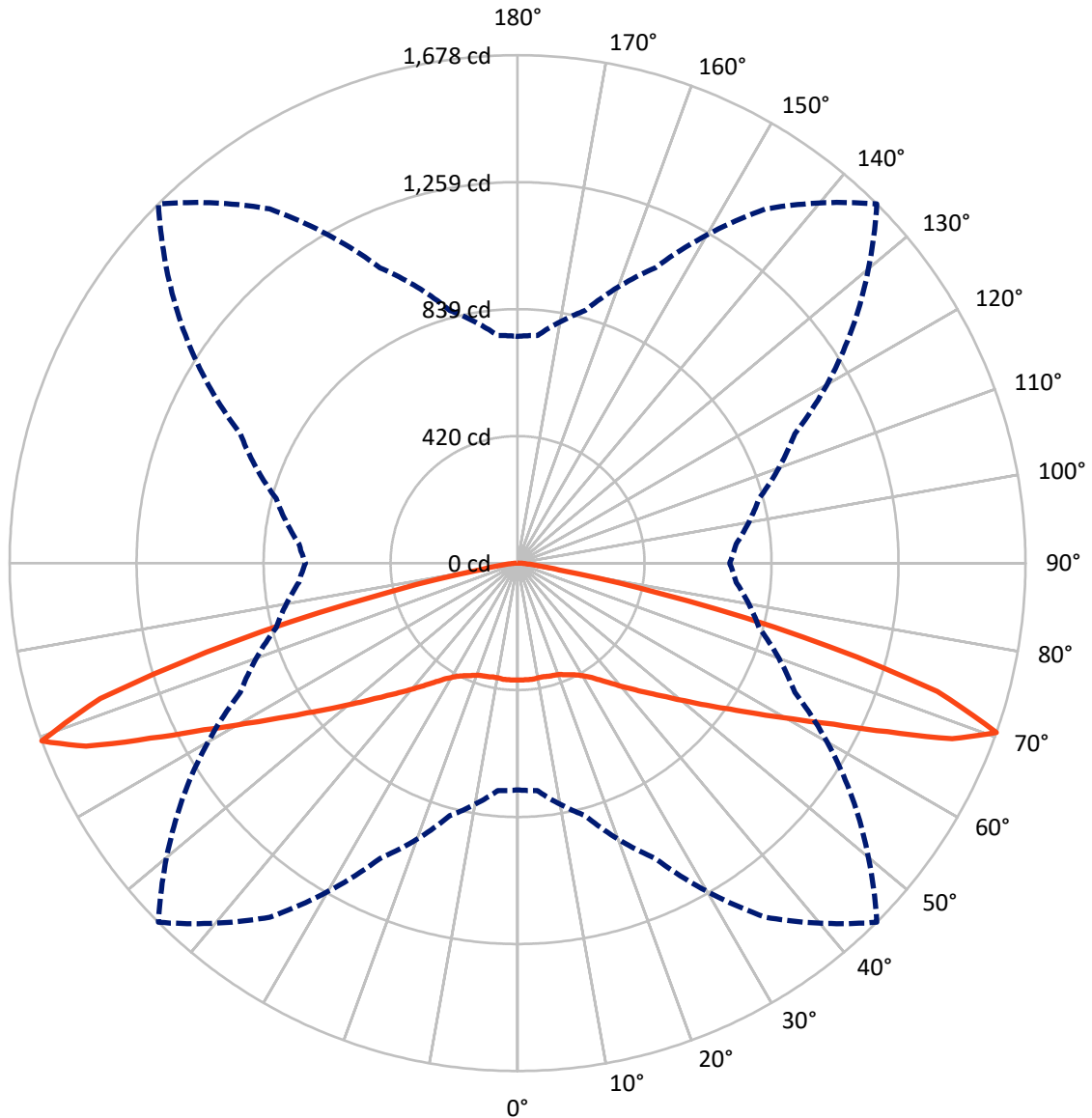
× Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 1.7 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	1758.1	0.0	1758.1
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	1758.1	0.0	1758.1
	% Fixture	50.0	0.0	50.0
Total	Lumens	3516.1	0.0	3516.1
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	36.8	1.0
10°-20°	108.9	3.1
20°-30°	185.9	5.3
30°-40°	296.6	8.4
40°-50°	478.7	13.6
50°-60°	766.5	21.8
60°-70°	1122.2	31.9
70°-80°	493.5	14.0
80°-90°	27.1	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°	3516.1	100.0
0°-180°	3516.1	100.0



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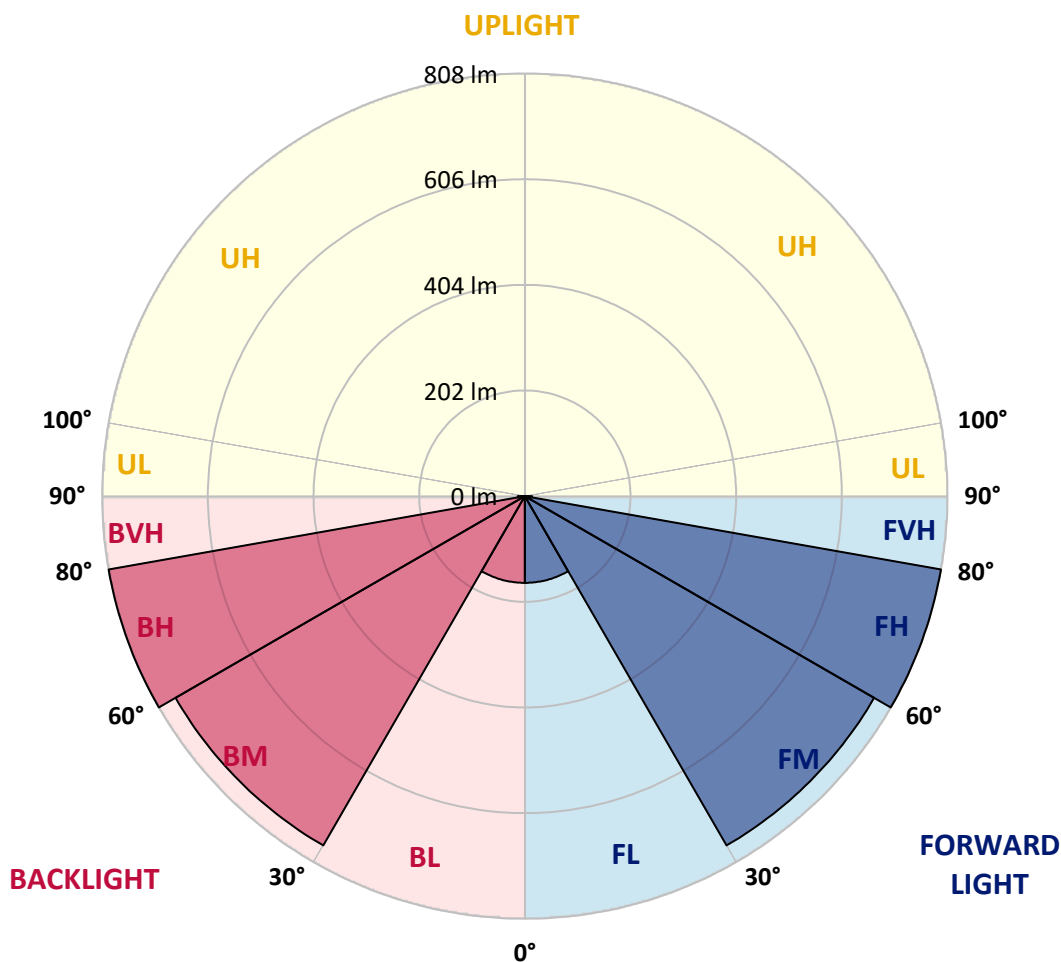
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	165.8	4.7			
FM (30°-60°)	770.9	21.9			
FH (60°-80°)	807.8	23.0			G1/1800
FVH (80°-90°)	13.5	0.4			G1/100
BL (0°-30°)	165.8	4.7	B1/500		
BM (30°-60°)	770.9	21.9	B1/1000		
BH (60°-80°)	807.8	23.0	B2/1000		G1/1800
BVH (80°-90°)	13.5	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°	386.7	386.7	386.7	386.7	386.7	386.7	386.7	386.7	386.7	386.7	386.7
2.5°	386.2	385.9	386.4	386.7	386.2	386.4	384.9	384.9	385.7	384.9	385.9
5°	387.9	387.4	387.9	387.9	386.7	386.7	384.9	384.4	384.9	383.7	384.7
7.5°	388.2	387.2	387.9	387.7	386.7	386.7	384.2	383.2	383.4	382.2	382.9
10°	385.7	385.2	386.2	385.7	384.9	384.9	382.9	381.4	381.4	380.2	380.9
12.5°	384.2	383.7	384.9	385.2	384.7	384.9	382.4	380.4	379.7	378.2	378.7
15°	384.2	383.2	385.2	385.7	386.2	387.9	384.2	380.7	379.2	377.2	377.7
17.5°	383.9	383.4	385.7	387.4	387.9	389.9	385.7	381.9	380.2	377.2	377.7
20°	383.9	383.7	386.4	389.6	391.1	392.9	388.4	384.9	381.9	378.7	378.7
22.5°	385.2	384.9	388.7	393.4	397.6	400.6	395.4	389.6	385.7	381.4	380.9
25°	390.4	389.9	394.4	400.1	405.8	408.8	403.6	397.9	392.1	387.4	386.9
27.5°	401.1	400.9	405.3	412.3	416.3	418.5	414.1	409.1	403.4	397.9	397.6
30°	415.6	415.6	421.3	428.5	430.8	432.5	428.0	424.5	418.5	412.6	412.1
32.5°	433.0	434.0	440.7	448.7	450.2	451.2	446.5	444.2	437.7	431.3	430.3
35°	455.9	456.2	464.4	472.4	474.4	475.4	469.9	467.9	461.9	454.9	453.4
37.5°	485.1	484.3	492.0	501.0	503.0	504.2	499.8	498.3	490.8	483.8	481.6
40°	517.7	518.2	526.9	535.4	536.6	537.1	534.9	532.7	525.7	517.7	515.0
42.5°	555.6	555.6	565.8	575.8	575.8	573.3	572.3	571.8	565.0	556.1	553.1
45°	598.9	599.4	612.1	619.6	620.1	613.4	614.4	617.4	610.9	599.4	595.4
47.5°	646.5	647.3	662.2	670.4	668.9	660.2	665.7	667.2	659.7	645.0	639.8
50°	696.6	698.8	715.5	730.0	728.0	715.3	722.5	723.0	710.8	693.8	686.6
52.5°	750.6	755.9	778.0	793.5	795.5	779.5	785.8	785.3	769.6	746.4	741.7
55°	817.7	820.7	842.6	864.5	872.0	852.3	859.3	855.8	834.6	808.2	800.2
57.5°	884.7	889.2	917.3	942.0	956.9	940.2	941.7	932.8	906.1	874.2	870.2
60°	964.2	966.1	997.3	1029.4	1055.3	1045.4	1038.4	1019.7	988.3	956.4	950.7
62.5°	1029.2	1033.2	1079.5	1126.8	1170.7	1172.4	1151.3	1123.4	1073.3	1020.0	1008.5
65°	1047.1	1053.6	1118.6	1212.0	1303.2	1343.8	1285.8	1200.6	1088.7	1008.3	991.1
67.5°	963.7	976.1	1069.0	1224.3	1426.5	1548.4	1392.9	1164.0	1007.8	913.8	897.4
70°	749.4	754.9	864.0	1077.0	1428.5	1678.4	1349.8	1010.7	826.1	725.2	701.1
72.5°	398.1	400.9	499.3	725.2	1162.5	1450.0	1115.4	707.3	486.3	394.6	367.0
75°	128.6	132.0	171.9	297.0	641.3	974.4	657.7	294.2	167.7	135.3	128.1
77.5°	65.5	65.3	72.5	95.7	215.8	477.6	228.2	103.1	72.5	65.0	63.0
80°	40.9	40.1	45.6	52.3	75.5	139.5	82.0	57.8	45.8	39.4	39.1
82.5°	23.2	23.2	30.6	33.6	42.6	57.6	47.8	39.6	31.4	23.4	22.7
85°	13.0	11.5	19.2	21.2	24.4	28.4	29.1	25.7	21.2	13.0	13.5
87.5°	4.7	5.2	9.0	8.5	9.7	6.7	12.0	13.5	12.0	6.2	5.2
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)