

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: P672864

Luminaire Tested: **CCP-SA-1B-827-U-RW**

Issue Date: 04/16/2023



Test Information

Test Method: LM-79-08
Report Number: P672864
Test Lab: INNOVATION CENTER(G2)
Issue Date: 04/16/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCP-SA-1B-827-U-RW
Description: INVUE CLEAR CURVE POLE MOUNT LIGHT SQUARE LUMINAIRE @450mA w/ RW distribution lens
Light Source: (16) 2700K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

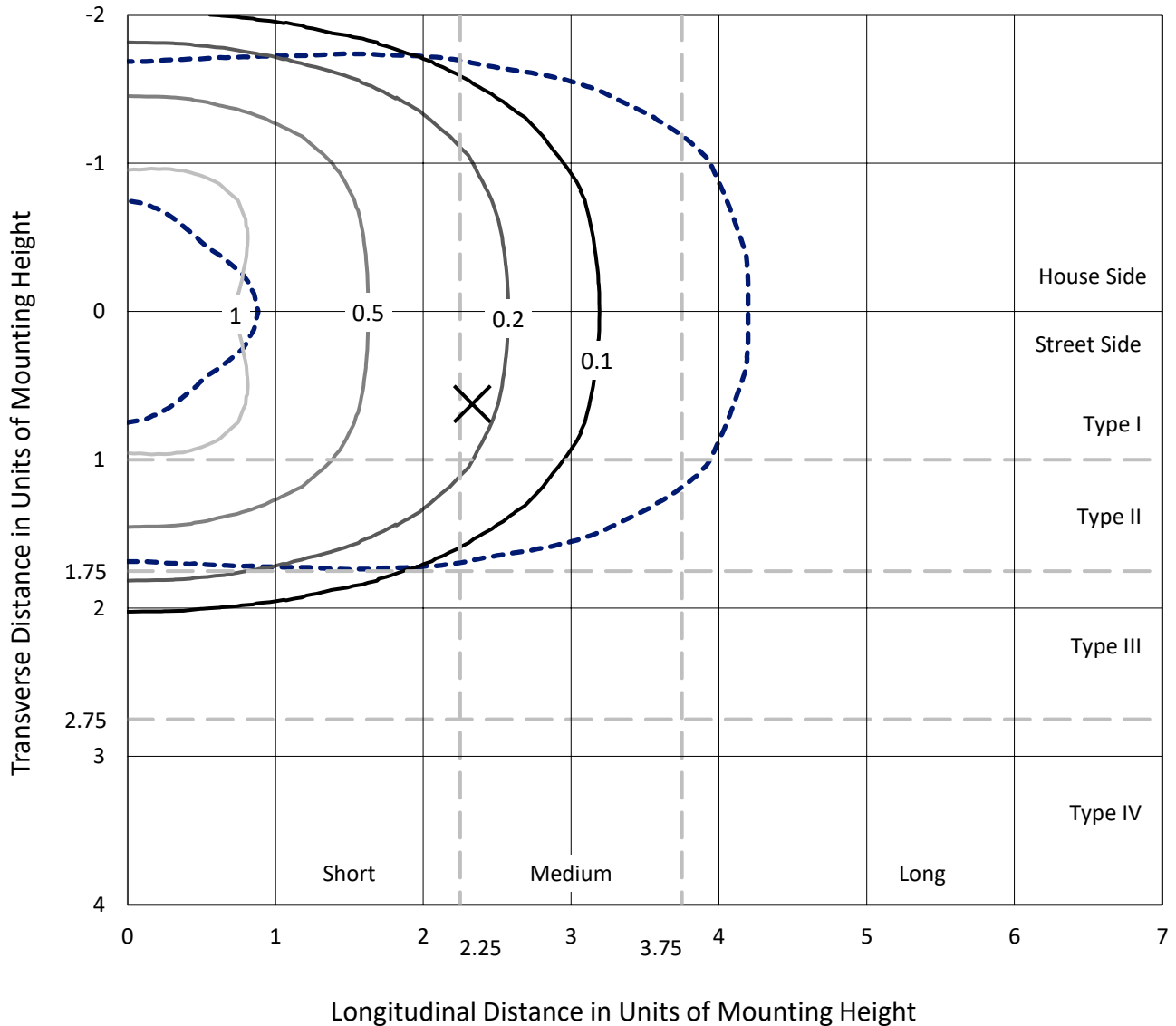
Lumens per Lamp: N/A
Luminaire Lumens: 2582.5 lumens
Efficiency: N/A
Efficacy: 107.6 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B1 - U0 - G1

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

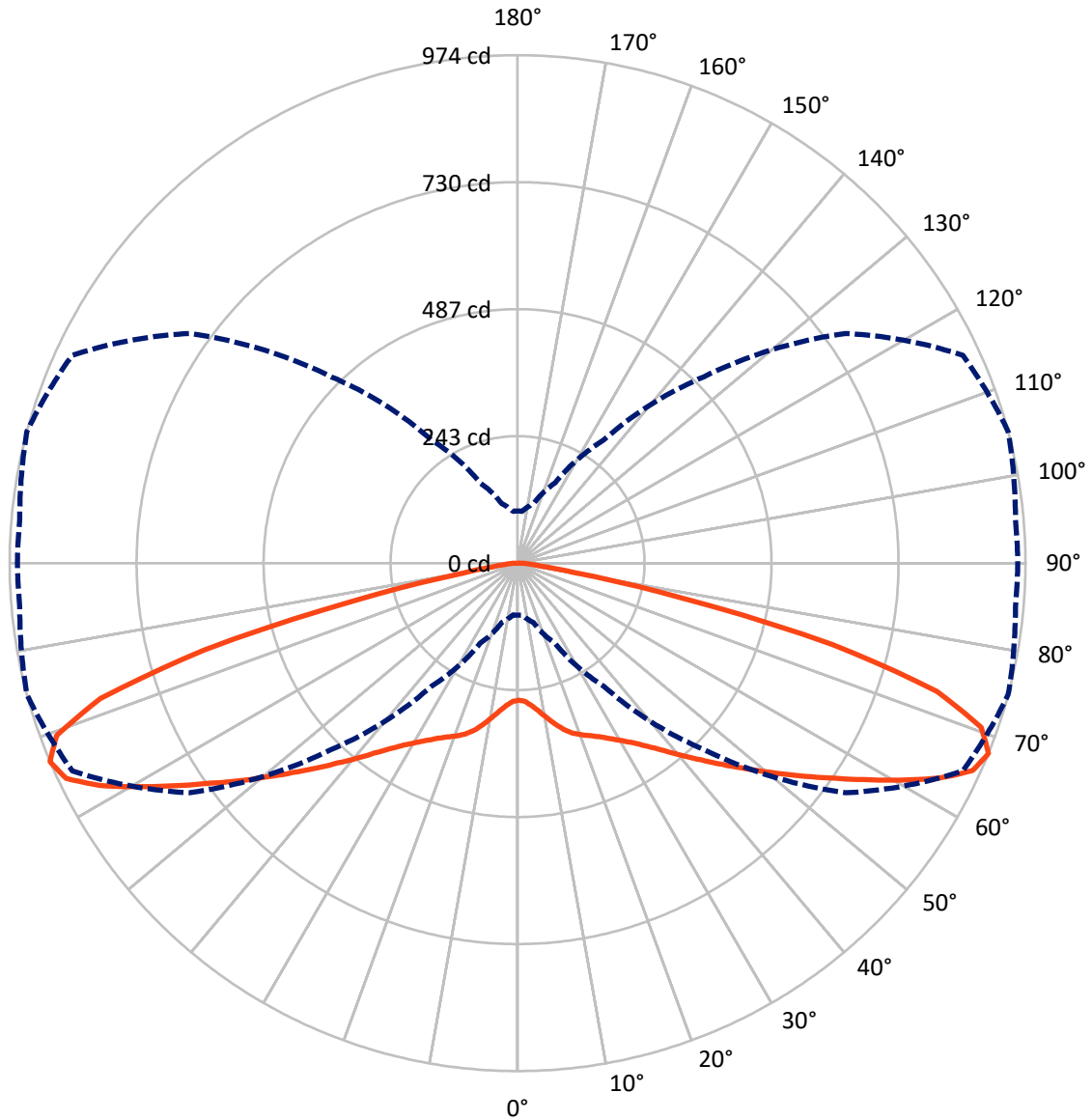
× Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 1.3 fc
 Type II - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 75-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

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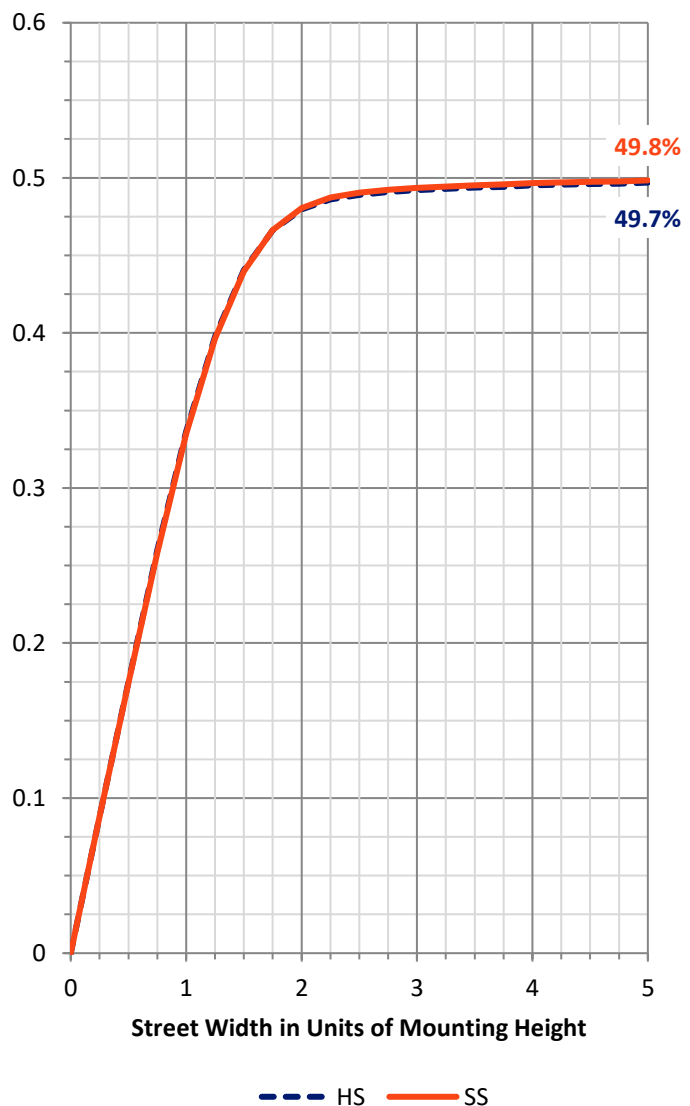
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1291.2	0.0	1291.2
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	1291.2	0.0	1291.2
	% Fixture	50.0	0.0	50.0
Total	Lumens	2582.5	0.0	2582.5
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	26.0	1.0
10°-20°	87.6	3.4
20°-30°	171.1	6.6
30°-40°	295.1	11.4
40°-50°	478.0	18.5
50°-60°	650.1	25.2
60°-70°	599.7	23.2
70°-80°	250.9	9.7
80°-90°	24.0	0.9
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°	2582.5	100.0
0°-180°	2582.5	100.0



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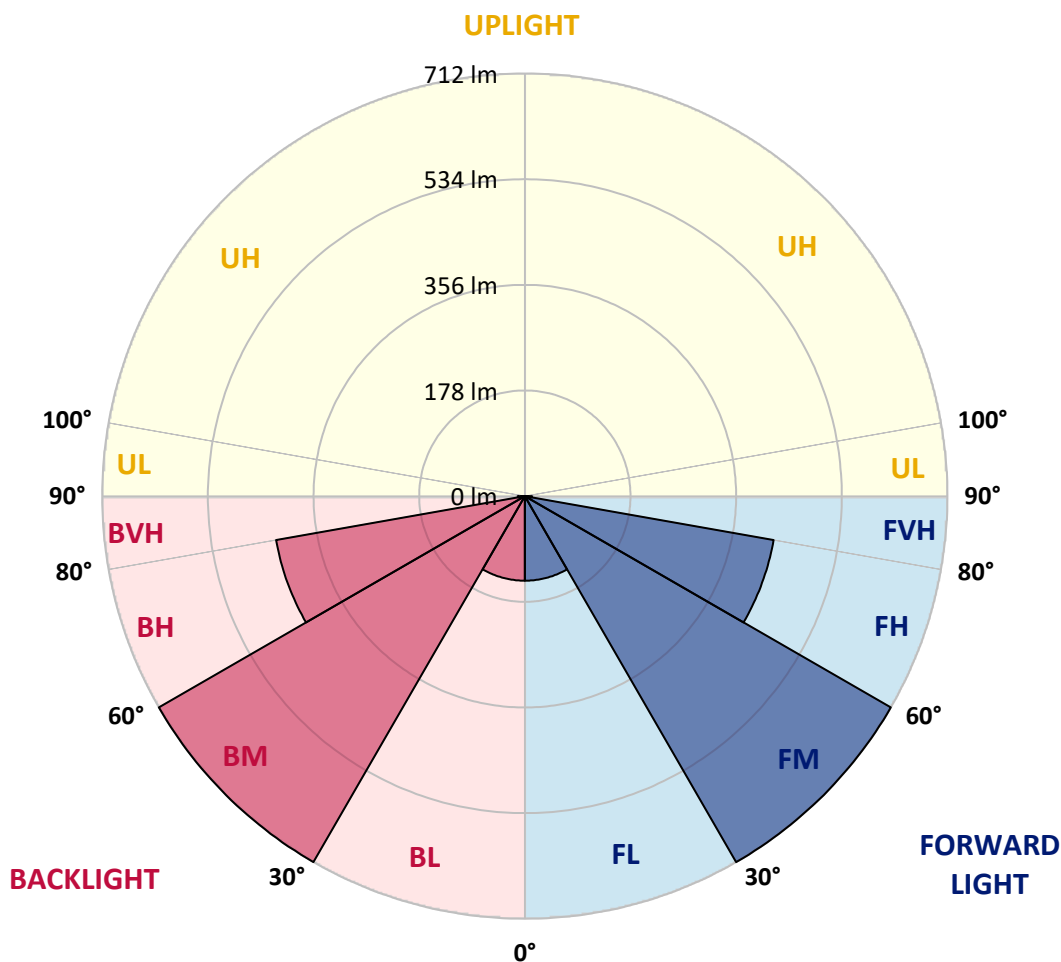
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	142.3	5.5			
FM (30°-60°)	711.6	27.6			
FH (60°-80°)	425.3	16.5			G0/660
FVH (80°-90°)	12.0	0.5			G1/100
BL (0°-30°)	142.3	5.5	B1/500		
BM (30°-60°)	711.6	27.6	B1/1000		
BH (60°-80°)	425.3	16.5	B1/500		G1/500
BVH (80°-90°)	12.0	0.5			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G1

Type II Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	262.7	262.7	262.7	262.7	262.7	262.7	262.7	262.7	262.7	262.7	262.7
2.5°	261.1	261.1	261.8	262.7	263.1	263.8	264.0	264.0	265.1	265.0	265.1
5°	260.3	260.3	261.6	263.3	265.1	267.4	269.6	270.9	273.7	274.2	274.4
7.5°	261.1	261.2	263.1	265.9	269.0	273.1	277.4	280.9	285.6	287.2	288.4
10°	263.8	264.0	266.4	270.3	275.2	281.1	287.2	292.8	300.2	303.6	304.1
12.5°	268.1	268.3	271.8	278.1	285.0	292.4	299.3	306.4	315.6	320.7	321.8
15°	274.6	274.1	279.6	288.9	298.6	307.9	314.0	320.8	330.7	337.2	338.9
17.5°	283.5	283.9	290.8	302.7	314.5	324.0	330.1	334.0	342.6	349.3	350.9
20°	294.7	296.3	305.1	318.8	332.7	342.8	347.0	346.5	351.3	357.1	358.4
22.5°	310.4	311.6	322.1	337.6	353.5	363.9	365.6	359.5	359.3	363.0	364.7
25°	329.0	329.9	341.1	358.9	375.8	386.8	385.1	374.5	368.9	369.1	370.2
27.5°	350.7	352.6	364.1	382.3	399.8	409.8	407.4	392.0	381.0	377.7	376.9
30°	379.0	381.0	392.7	410.2	425.6	434.5	430.8	411.3	394.9	389.4	388.2
32.5°	415.7	415.5	427.6	444.5	455.3	461.0	453.8	431.7	411.1	403.7	402.2
35°	453.6	455.5	467.3	483.7	491.9	492.2	480.7	455.8	431.3	418.5	415.7
37.5°	496.3	497.2	511.0	526.4	531.8	528.8	511.7	484.1	455.8	442.3	437.5
40°	540.1	541.1	557.0	571.9	577.8	570.8	548.3	515.2	484.8	469.9	467.2
42.5°	580.8	583.2	601.0	618.5	624.2	616.1	589.0	549.4	515.4	501.1	497.4
45°	614.6	617.2	637.2	659.5	669.7	663.0	632.4	587.8	550.7	535.3	529.0
47.5°	640.0	643.4	664.7	691.5	711.3	710.0	678.6	628.5	588.6	570.4	564.6
50°	657.5	661.0	684.0	712.8	742.7	752.7	725.6	673.4	630.7	610.3	606.4
52.5°	658.8	661.9	688.3	724.1	764.1	786.2	771.9	720.8	677.2	656.0	653.2
55°	629.8	632.0	667.1	714.9	772.8	811.8	814.0	772.4	726.7	705.4	704.1
57.5°	563.3	566.5	608.5	671.6	758.3	828.3	850.6	826.4	782.8	762.8	761.6
60°	455.1	459.2	507.1	591.0	705.9	824.0	881.6	877.1	844.1	824.6	823.8
62.5°	321.0	322.5	372.5	464.9	603.4	778.7	896.6	926.5	907.6	887.9	889.0
65°	188.6	190.7	227.3	310.4	457.7	674.6	870.6	960.9	958.5	940.4	942.3
67.5°	99.7	99.7	118.1	169.7	287.8	505.0	767.2	941.9	973.5	957.7	958.6
70°	68.9	68.7	72.0	85.2	139.1	313.0	573.9	842.8	942.9	936.9	939.3
72.5°	58.3	57.9	58.1	60.0	70.7	141.5	348.5	649.1	840.6	849.7	851.7
75°	51.1	50.5	50.1	49.8	50.7	64.2	158.9	400.5	623.1	680.3	679.2
77.5°	44.0	43.6	43.3	42.0	40.5	42.1	65.0	180.1	320.5	378.2	374.1
80°	36.2	36.2	36.8	34.9	32.1	31.0	38.8	67.2	106.4	111.0	102.1
82.5°	28.4	28.4	31.2	28.6	25.3	22.5	26.9	35.8	43.3	35.1	28.6
85°	20.1	20.2	26.0	23.8	19.5	13.0	16.7	21.4	24.3	15.4	12.1
87.5°	8.2	8.7	16.2	12.8	12.3	6.5	7.8	9.5	12.1	6.5	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)