

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: P672720

Luminaire Tested: **CCP-SA-1B-827-U-5NQ**

Issue Date: 04/16/2023

Test Information

Test Method: LM-79-08
Report Number: P672720
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-5NQ
Description: INVUE CLEAR CURVE POLE MOUNT LIGHT SQUARE LUMINAIRE @450mA w/ 5NQ
distribution lens
Light Source: (16) 2700K CCT, 80 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2641.9 lumens
Efficiency: N/A
Efficacy: 110.1 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B1 - U0 - G0

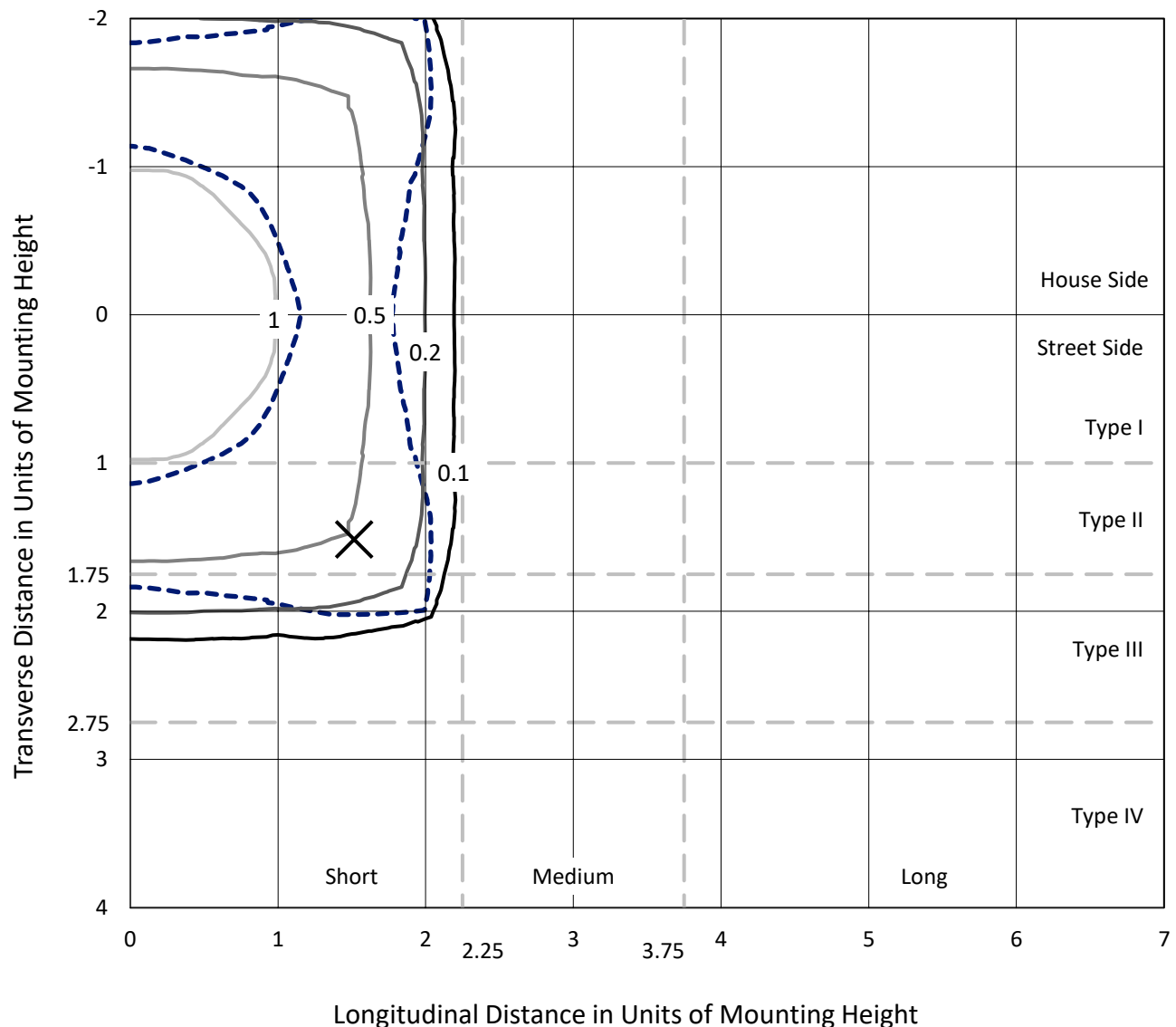
Input Watts (W): 24
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT

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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

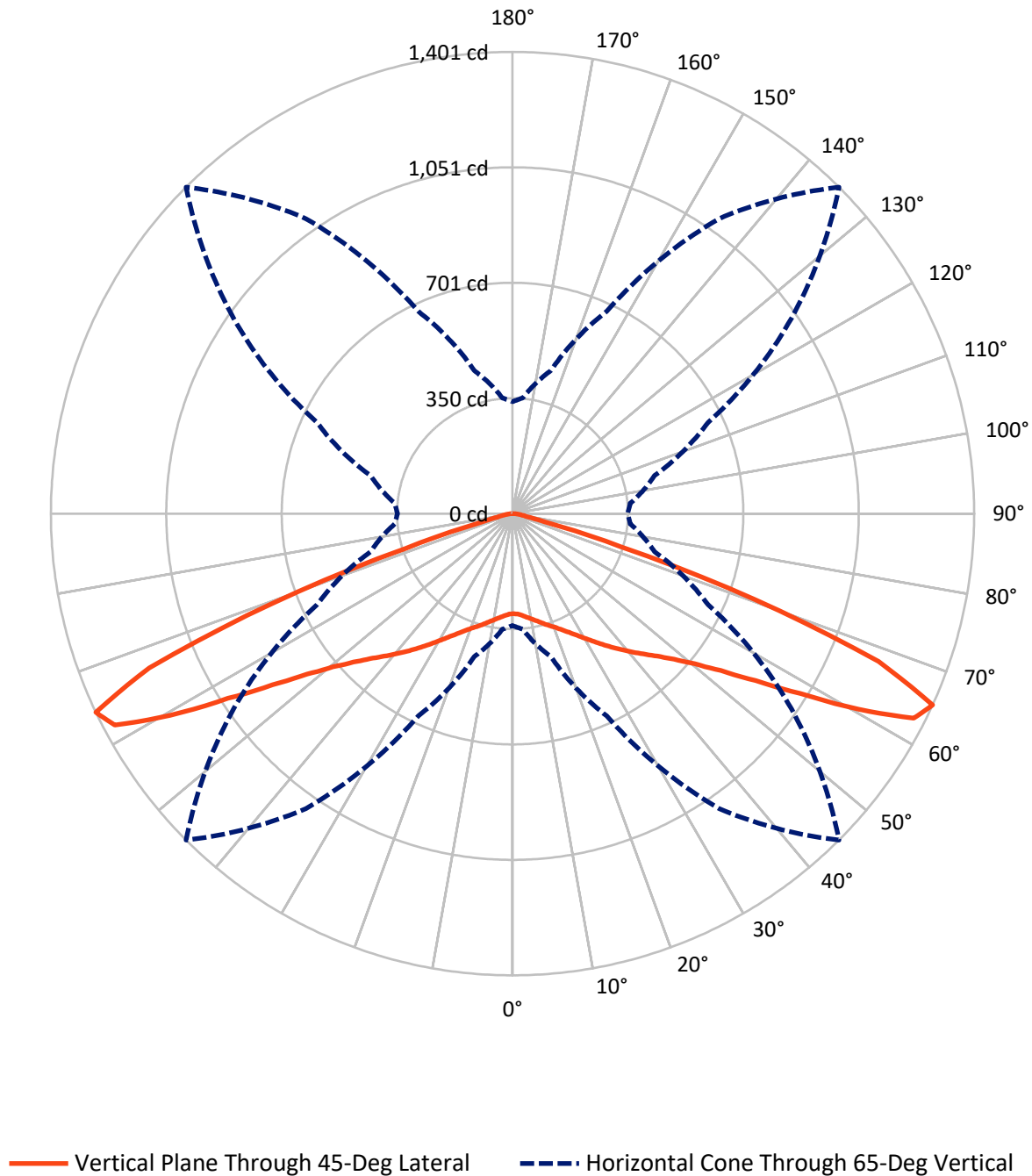


Based on 15 foot mounting height. Maximum calculated value = 1.4 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1320.9	0.0	1320.9
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	1320.9	0.0	1320.9
	% Fixture	50.0	0.0	50.0
Total	Lumens	2641.9	0.0	2641.9
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	30.1	1.1
10°-20°	98.2	3.7
20°-30°	186.3	7.1
30°-40°	312.4	11.8
40°-50°	494.3	18.7
50°-60°	776.6	29.4
60°-70°	656.2	24.8
70°-80°	76.4	2.9
80°-90°	11.4	0.4
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°	2641.9	100.0
0°-180°	2641.9	100.0

Coefficient of Utilization



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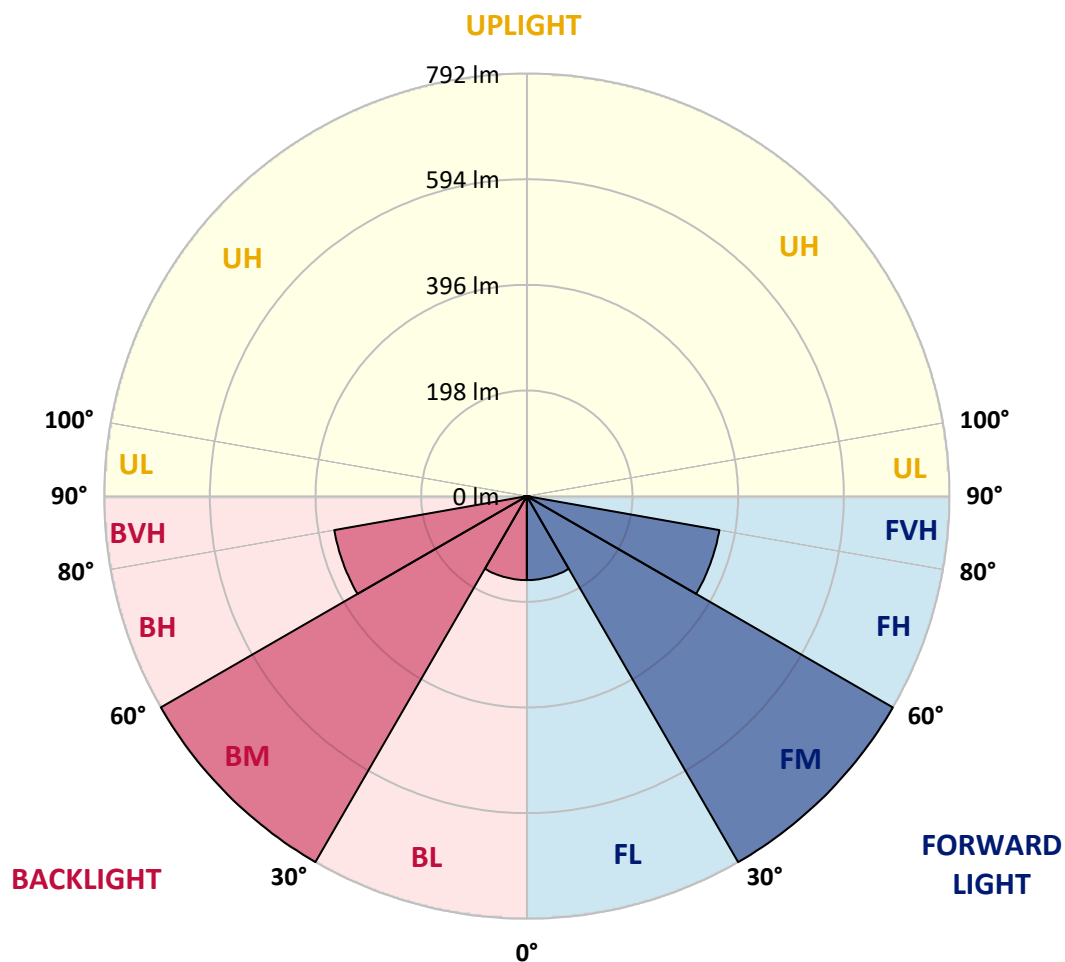
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	157.3	6.0			
FM	(30°-60°)	791.7	30.0			
FH	(60°-80°)	366.3	13.9			G0/660
FVH	(80°-90°)	5.7	0.2			G0/10
BL	(0°-30°)	157.3	6.0	B1/500		
BM	(30°-60°)	791.7	30.0	B1/1000		
BH	(60°-80°)	366.3	13.9	B1/500		G0/660
BVH	(80°-90°)	5.7	0.2			G0/10
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G0

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	303.8	303.8	303.8	303.8	303.8	303.8	303.8	303.8	303.8	303.8	303.8
2.5°	305.4	304.5	305.4	305.4	304.9	305.1	304.3	304.1	305.1	304.3	304.1
5°	311.8	311.0	311.8	311.2	310.3	310.5	309.3	309.0	310.1	309.0	309.2
7.5°	319.0	317.7	318.1	318.6	317.7	317.7	316.8	316.2	316.8	315.7	316.4
10°	325.1	324.0	324.6	325.3	325.1	325.7	324.8	324.4	323.8	322.5	323.6
12.5°	333.1	332.7	333.5	334.4	334.0	334.8	332.7	332.2	332.0	330.5	331.8
15°	343.5	342.6	343.9	345.0	344.4	345.7	344.1	343.3	342.4	340.5	341.6
17.5°	353.9	353.2	355.0	355.6	355.8	356.9	355.6	354.5	354.1	352.8	352.0
20°	366.3	365.4	366.9	368.0	367.1	368.4	367.8	367.1	366.7	364.7	364.5
22.5°	380.3	379.0	381.2	382.5	381.2	382.5	381.4	381.2	381.4	378.4	378.8
25°	395.9	396.1	398.3	399.2	398.5	399.2	397.5	398.6	398.1	394.9	393.8
27.5°	415.9	415.2	417.6	420.4	418.5	418.5	417.8	418.9	418.7	415.7	415.0
30°	439.3	439.1	442.7	444.3	441.7	440.6	440.4	443.2	443.4	440.2	438.9
32.5°	463.8	463.8	468.1	470.1	466.4	465.7	464.9	468.7	468.1	463.8	461.0
35°	490.7	489.6	495.4	498.4	494.6	492.4	492.0	495.4	494.6	488.7	485.4
37.5°	517.3	518.0	524.7	528.1	523.6	520.8	521.8	524.0	524.2	517.7	514.1
40°	549.8	550.0	558.3	560.9	555.2	550.9	552.2	557.2	556.8	548.9	544.4
42.5°	586.2	585.4	595.8	598.1	590.3	582.1	586.0	593.8	595.7	586.7	582.1
45°	625.2	626.3	637.1	639.5	627.2	616.8	625.2	636.9	639.3	629.6	623.9
47.5°	672.5	673.8	686.8	687.7	673.8	660.3	671.4	686.6	687.6	674.2	667.5
50°	726.6	731.0	745.5	747.4	733.6	716.2	732.1	745.7	742.2	724.3	718.2
52.5°	787.8	791.4	814.0	821.8	809.7	791.0	803.8	812.2	800.8	777.4	768.0
55°	840.0	845.9	876.0	899.8	908.9	894.8	893.3	881.0	849.5	813.8	804.0
57.5°	854.7	860.4	907.0	968.3	1022.3	1029.4	996.7	935.3	867.3	812.3	802.3
60°	795.1	802.9	871.0	987.1	1142.1	1206.0	1087.9	939.9	821.1	747.4	734.7
62.5°	624.4	638.9	726.9	908.9	1190.4	1366.8	1125.4	859.9	681.6	594.5	577.8
65°	339.6	352.0	449.2	677.4	1092.5	1401.1	1033.5	654.7	445.8	358.4	349.3
67.5°	127.4	136.5	181.0	334.8	772.4	1197.8	784.5	374.9	202.4	145.2	132.4
70°	54.2	55.3	65.5	116.6	351.1	779.3	401.6	127.4	67.6	54.6	53.1
72.5°	39.0	39.2	42.0	51.6	107.0	341.8	121.4	53.5	41.2	37.1	37.1
75°	31.2	31.4	33.1	37.3	50.5	100.6	52.4	37.5	31.9	29.2	28.8
77.5°	24.5	24.9	26.6	29.2	33.8	46.0	35.5	29.5	25.6	23.0	22.7
80°	18.2	18.8	21.0	22.3	23.8	30.6	25.8	23.0	20.4	17.6	17.1
82.5°	12.1	12.6	15.6	16.5	16.3	19.3	17.8	17.6	15.6	11.7	11.1
85°	7.2	7.6	10.0	10.8	10.0	9.5	11.3	12.3	11.0	7.6	7.1
87.5°	3.2	3.2	4.5	4.6	4.5	3.5	5.4	6.3	6.5	3.9	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)