

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: P672443

Luminaire Tested: **CCP-SA-1B-830-U-5WQ**

Issue Date: 04/16/2023

Test Information

Test Method: LM-79-08
Report Number: P672443
Test Lab: INNOVATION CENTER(G2)
Issue Date: 04/16/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCP-SA-1B-830-U-5WQ
Description: INVUE CLEAR CURVE POLE MOUNT LIGHT SQUARE LUMINAIRE @450mA w/ 5WQ
distribution lens
Light Source: (16) 3000K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2876.3 lumens
Efficiency: N/A
Efficacy: 119.8 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

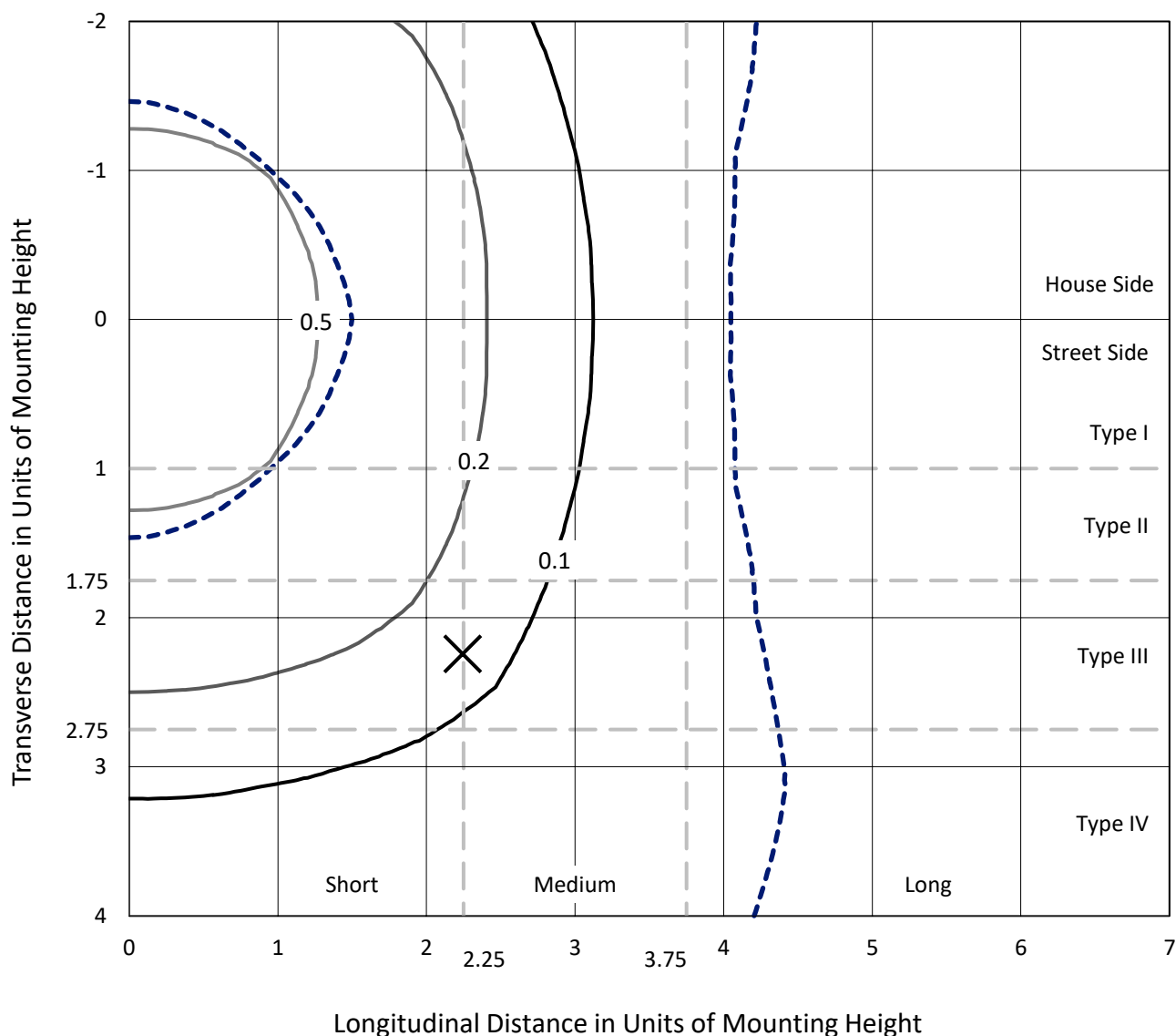
REPORT NUMBER: P672443

CATALOG NUMBER: CCP-SA-1B-830-U-5WQ

Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

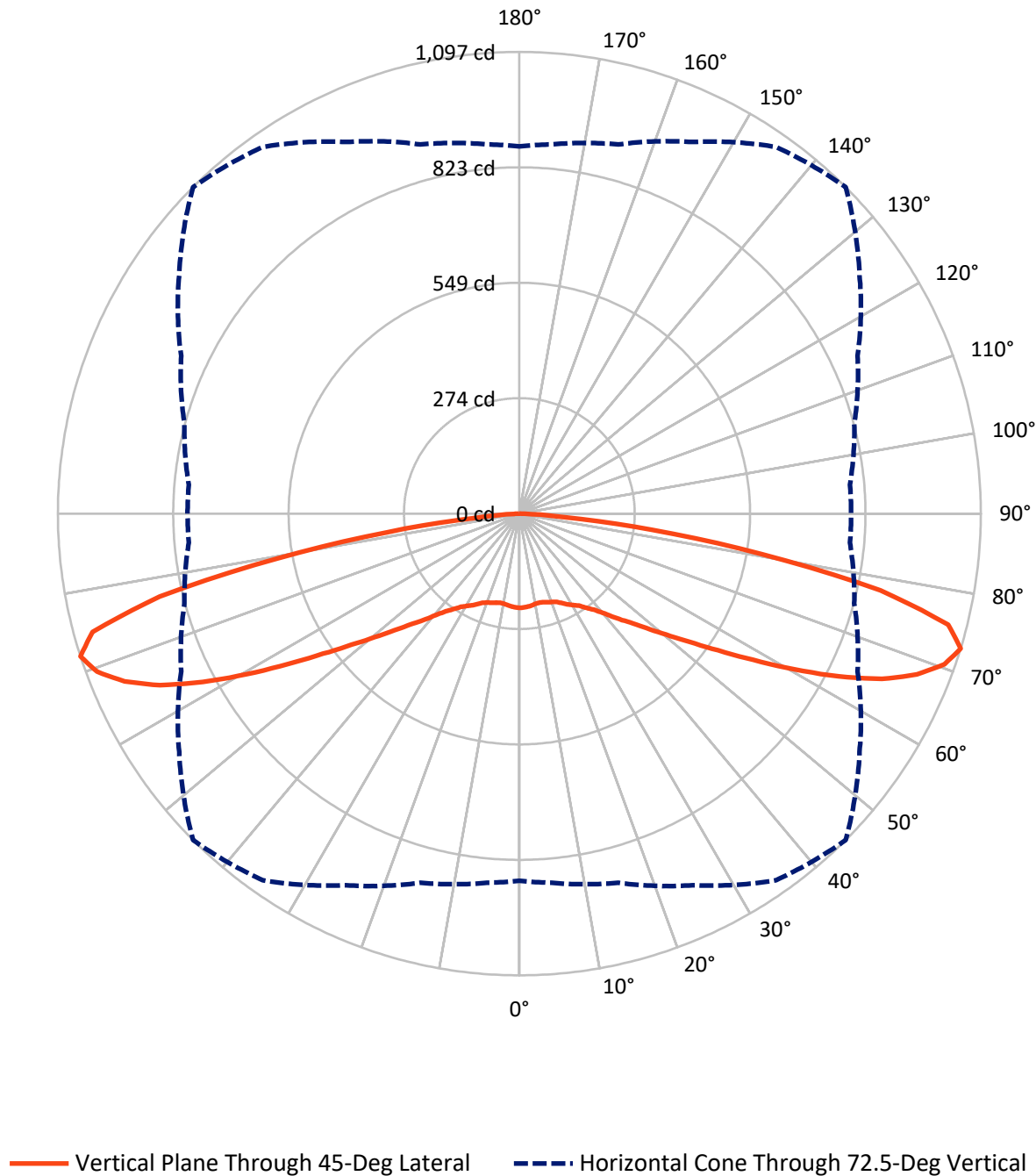


Based on 15 foot mounting height. Maximum calculated value = 1 fc

Type V - Short - N/A

REPORT NUMBER: P672443
CATALOG NUMBER: CCP-SA-1B-830-U-5WQ

Luminous Intensity Polar Plot



REPORT NUMBER: P672443

CATALOG NUMBER: CCP-SA-1B-830-U-5WQ

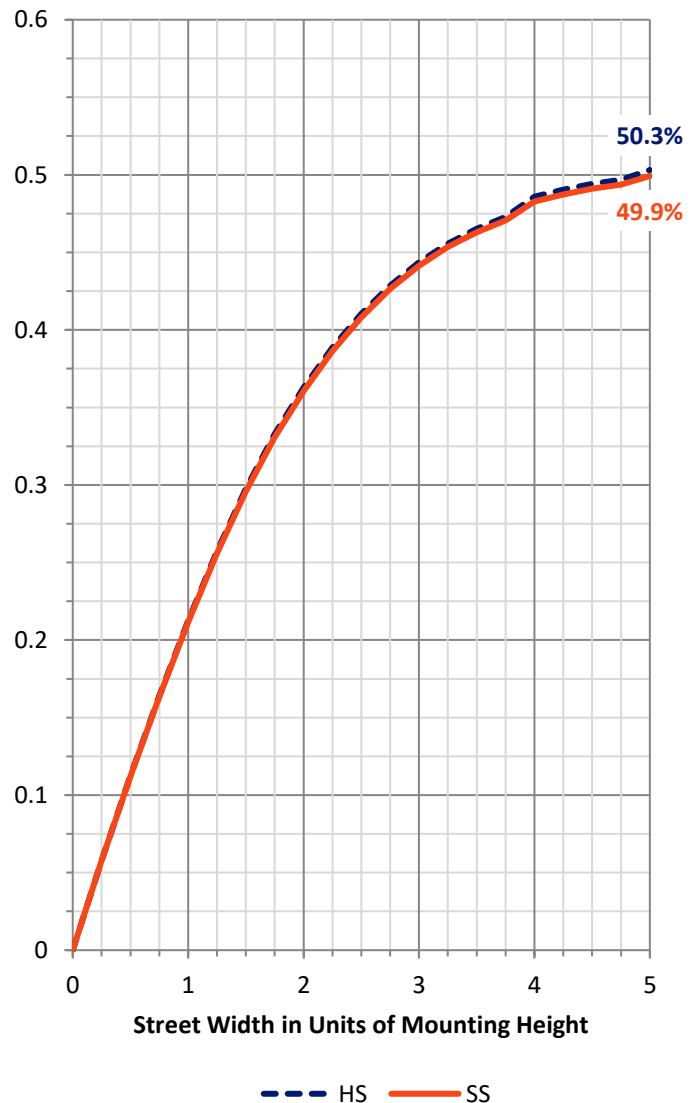
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1438.1	0.0	1438.1
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	1438.1	0.0	1438.1
	% Fixture	50.0	0.0	50.0
Total	Lumens	2876.3	0.0	2876.3
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	21.0	0.7
10°-20°	62.5	2.2
20°-30°	109.7	3.8
30°-40°	175.1	6.1
40°-50°	292.8	10.2
50°-60°	501.0	17.4
60°-70°	827.0	28.8
70°-80°	792.7	27.6
80°-90°	94.5	3.3
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°	2876.3	100.0
0°-180°	2876.3	100.0

Coefficient of Utilization



REPORT NUMBER: P672443

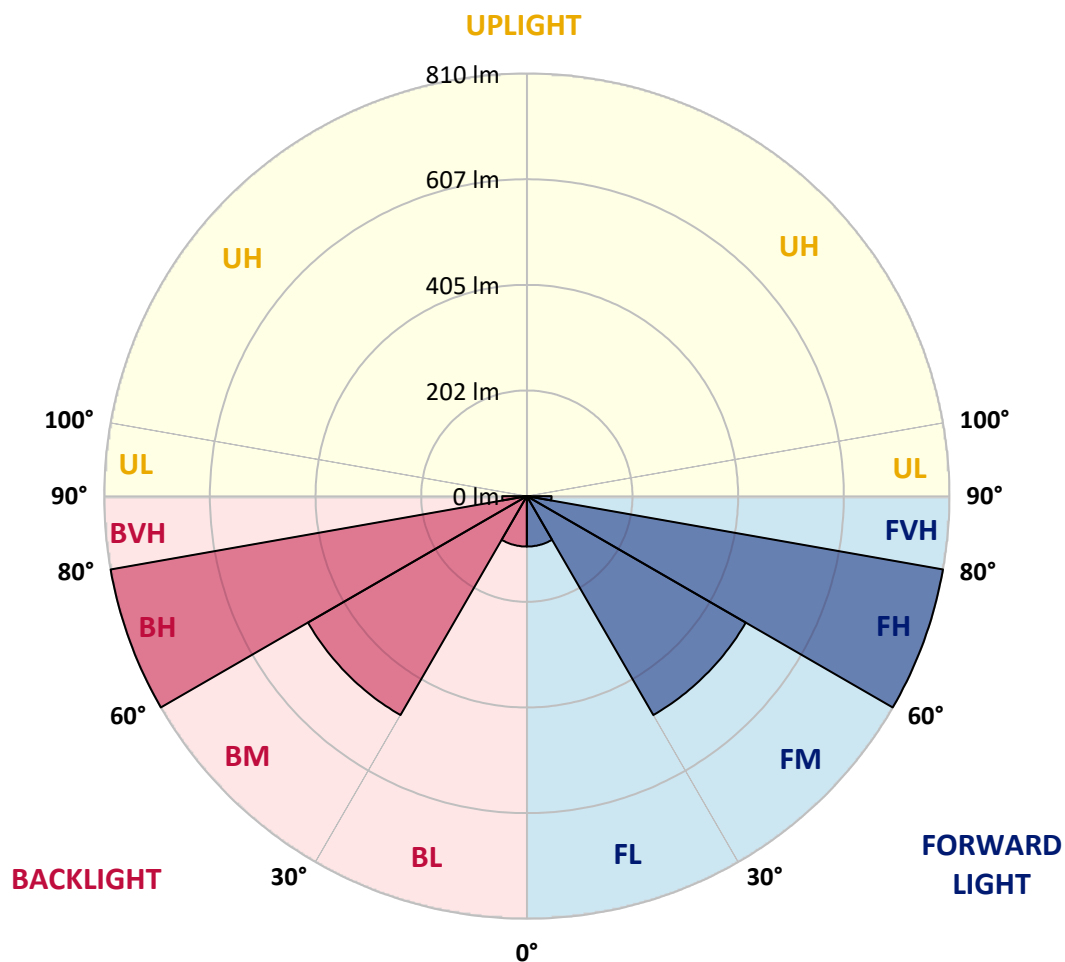
CATALOG NUMBER: CCP-SA-1B-830-U-5WQ

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	96.6	3.4			
FM	(30°-60°)	484.4	16.8			
FH	(60°-80°)	809.8	28.2			G1/1800
FVH	(80°-90°)	47.3	1.6			G1/100
BL	(0°-30°)	96.6	3.4	B0/110		
BM	(30°-60°)	484.4	16.8	B1/1000		
BH	(60°-80°)	809.8	28.2	B2/1000		G1/1800
BVH	(80°-90°)	47.3	1.6			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



REPORT NUMBER: P672443

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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	224.0	224.0	224.0	224.0	224.0	224.0	224.0	224.0	224.0	224.0	224.0
2.5°	222.6	222.6	223.2	223.4	223.2	223.0	222.8	222.6	223.2	223.0	223.2
5°	222.0	222.0	222.2	222.4	222.0	221.8	221.4	221.2	221.6	221.6	222.0
7.5°	220.4	220.2	220.4	220.6	220.0	219.8	219.2	219.2	219.2	219.0	219.4
10°	219.0	218.6	218.6	218.2	217.2	217.4	216.6	217.2	218.2	218.4	218.6
12.5°	219.6	219.2	218.8	217.8	216.4	216.6	216.4	217.0	218.4	219.2	219.8
15°	222.4	222.0	221.0	219.2	218.4	218.4	218.0	218.2	220.2	221.4	222.0
17.5°	225.4	224.6	222.8	221.6	220.8	221.4	220.0	219.8	221.4	223.2	223.8
20°	227.8	227.2	225.0	223.6	223.6	224.2	222.8	222.0	223.8	226.0	226.6
22.5°	232.0	231.6	229.4	228.0	228.0	228.2	227.4	226.8	228.8	231.0	231.6
25°	238.0	238.0	235.8	235.2	235.0	235.4	234.4	233.8	235.6	237.2	237.8
27.5°	245.1	244.4	242.6	242.2	243.0	244.4	242.6	241.0	242.4	243.8	244.0
30°	252.5	252.5	250.9	250.9	251.5	252.1	250.5	248.9	250.3	251.9	252.1
32.5°	262.9	262.3	261.7	261.9	261.7	260.9	260.1	259.9	261.1	262.1	262.5
35°	275.8	275.6	274.8	275.2	275.2	275.2	272.7	271.9	274.0	274.8	274.4
37.5°	295.6	295.4	293.4	292.2	290.8	290.2	287.2	287.0	291.8	294.2	293.8
40°	319.9	319.1	317.3	315.3	313.5	312.3	309.3	311.5	316.5	318.3	318.3
42.5°	346.4	345.4	343.4	342.4	341.2	340.0	336.0	337.0	343.0	344.8	342.8
45°	378.9	377.5	375.3	373.1	371.3	368.9	366.9	367.9	374.3	376.5	374.9
47.5°	413.4	413.0	411.2	409.4	407.8	406.2	403.6	405.4	411.0	410.6	407.4
50°	450.0	450.8	451.0	452.8	451.6	451.8	447.0	445.9	450.4	447.8	443.7
52.5°	489.3	490.5	494.7	498.3	505.0	505.8	499.7	493.3	492.5	485.7	481.5
55°	534.9	534.7	543.9	553.9	568.6	573.2	559.7	547.7	541.1	527.8	523.4
57.5°	586.4	585.8	599.9	617.5	644.0	655.5	630.8	607.9	591.9	576.0	571.4
60°	642.4	643.8	660.9	689.6	735.4	751.2	713.9	675.9	651.5	630.8	629.0
62.5°	707.9	708.1	728.1	767.1	826.5	852.0	800.6	749.2	718.1	695.4	690.6
65°	785.1	786.5	808.0	847.3	915.6	947.1	887.9	825.3	788.5	757.8	757.2
67.5°	864.4	863.6	883.3	925.0	990.8	1019.9	957.9	888.1	840.3	802.0	797.0
70°	915.2	919.6	940.9	980.8	1043.8	1072.1	996.7	912.4	862.4	827.3	824.9
72.5°	872.4	880.7	908.2	974.4	1063.7	1097.2	987.4	887.3	824.3	788.9	788.9
75°	708.3	721.9	760.2	862.2	995.1	1053.1	914.2	776.5	684.8	647.0	647.0
77.5°	431.5	444.5	496.3	620.8	803.6	877.8	745.2	584.8	478.7	432.5	426.5
80°	143.5	151.9	202.7	315.5	493.3	584.2	499.3	332.2	214.3	163.4	162.6
82.5°	38.1	41.5	57.8	91.5	214.1	316.5	228.4	109.6	62.8	48.8	45.0
85°	13.2	14.2	24.5	30.5	54.4	104.8	63.6	39.7	30.5	18.5	17.3
87.5°	3.8	4.2	9.8	10.6	15.7	12.2	17.3	15.9	14.5	6.0	5.4
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)