

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: P672442

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

Issue Date: 04/16/2023

Test Information

Test Method: LM-79-08
Report Number: P672442
Test Lab: INNOVATION CENTER(G2)
Issue Date: 04/16/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCP-SA-1A-830-U-5WQ
Description: INVUE CLEAR CURVE POLE MOUNT LIGHT SQUARE LUMINAIRE @350mA w/ 5WQ
distribution lens
Light Source: (16) 3000K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2278.5 lumens
Efficiency: N/A
Efficacy: 126.6 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): 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

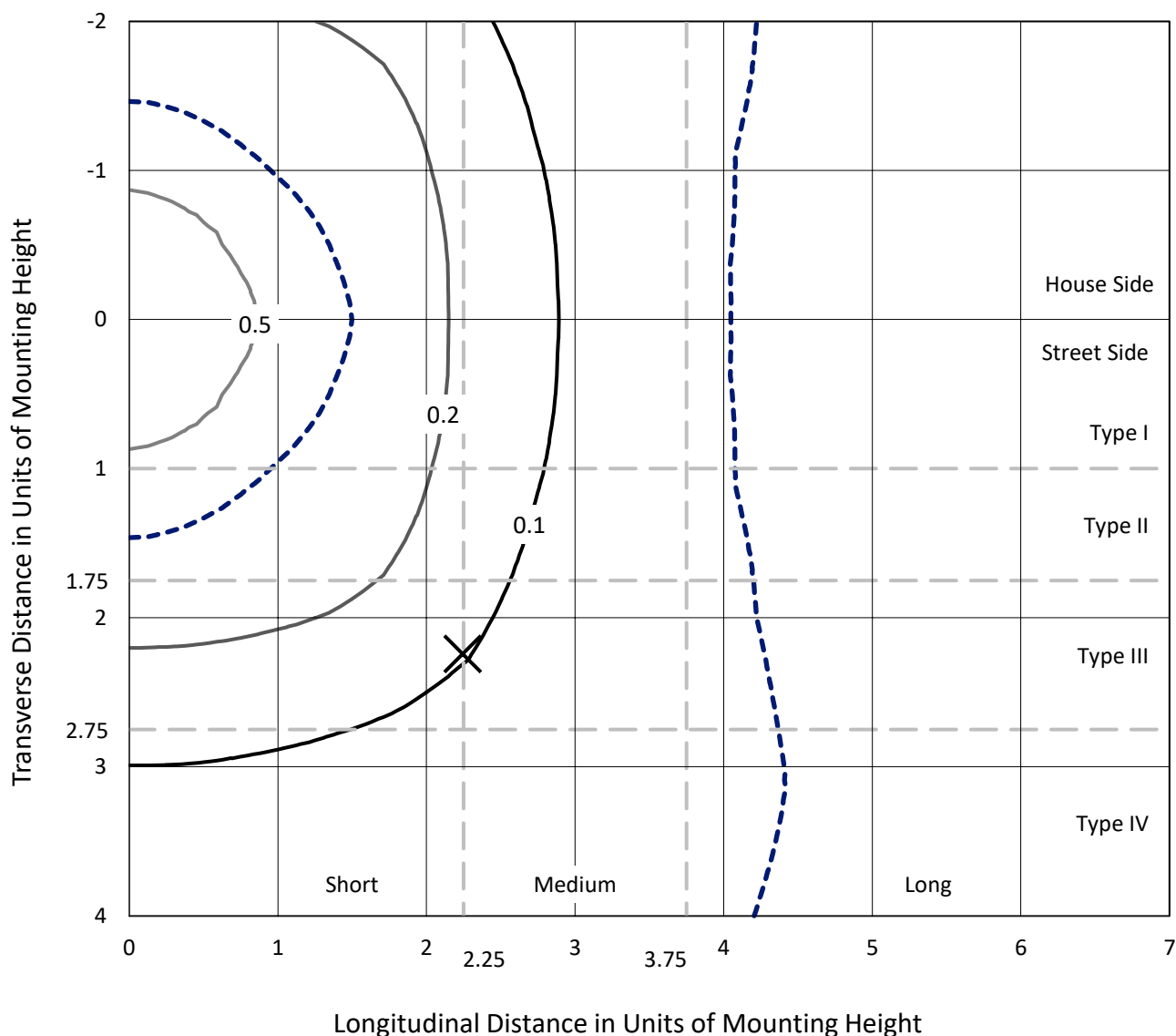
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd



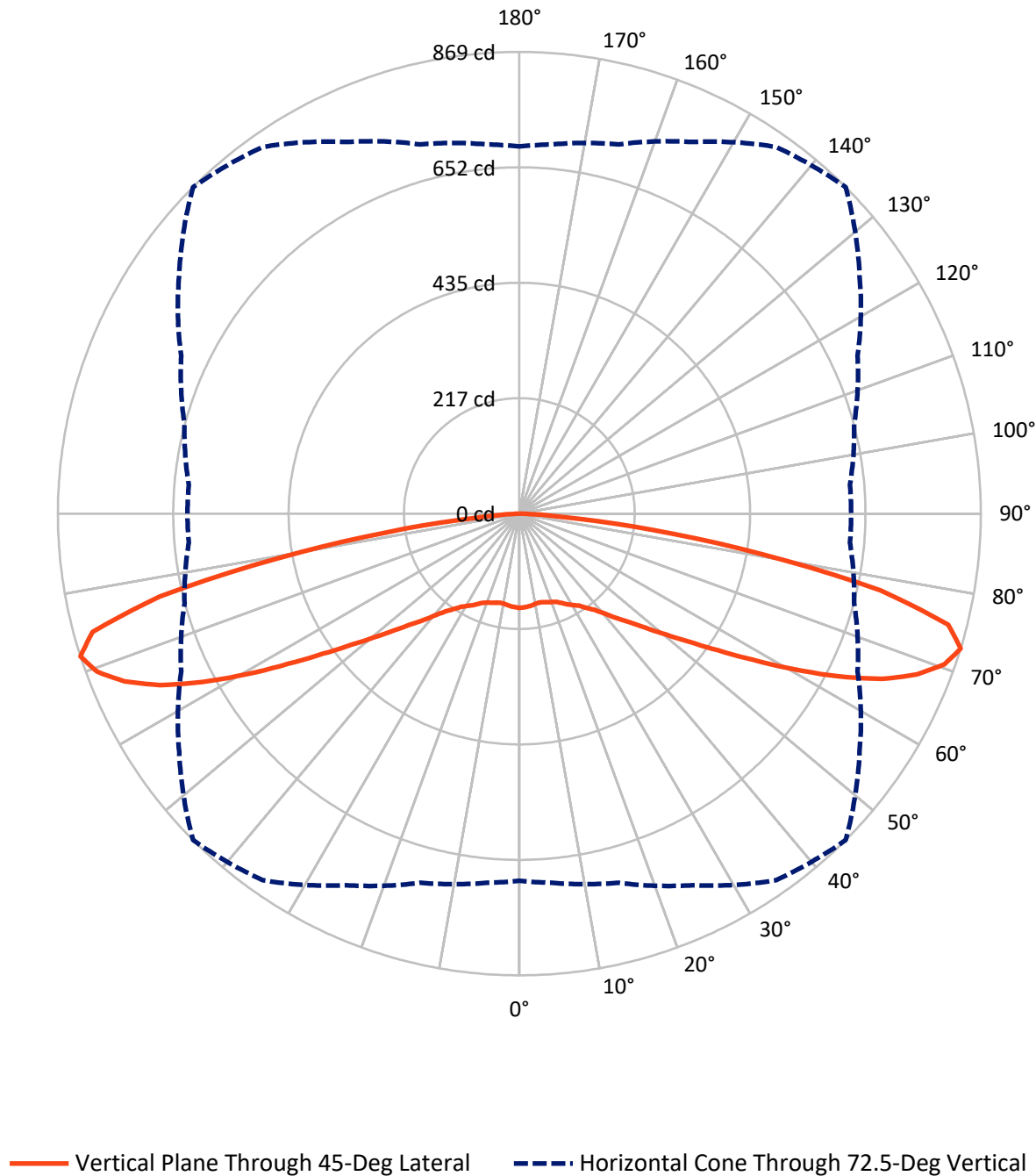
Based on 15 foot mounting height. Maximum calculated value = 0.8 fc

Type V - Short - N/A

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Luminous Intensity Polar Plot



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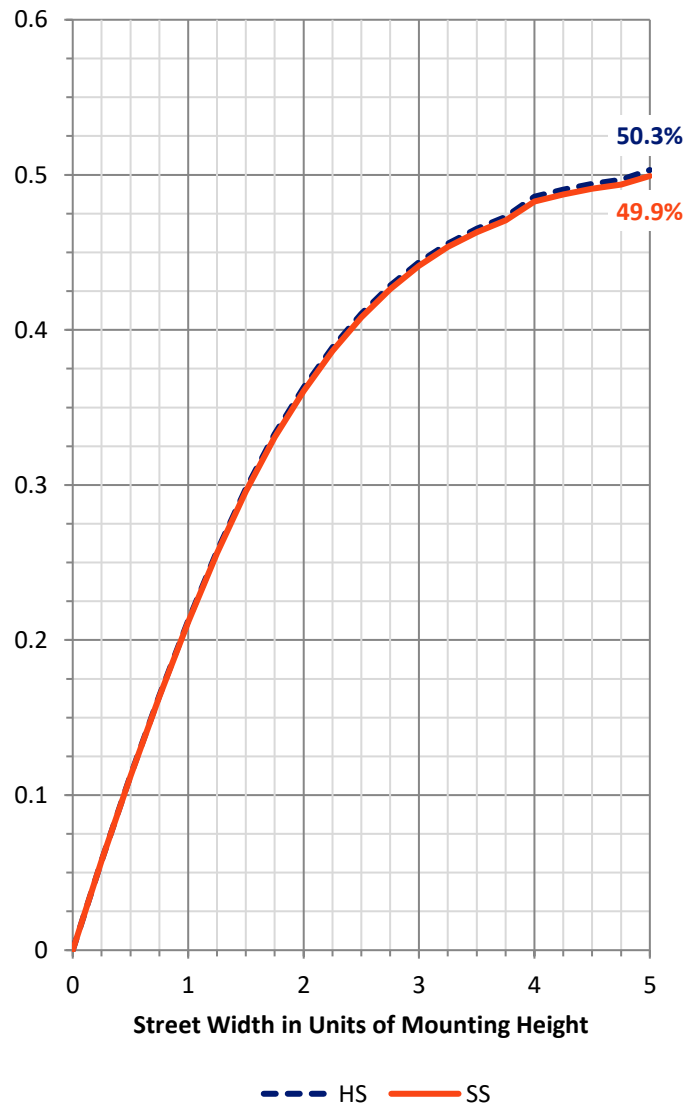
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1139.2	0.0	1139.2
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	1139.2	0.0	1139.2
	% Fixture	50.0	0.0	50.0
Total	Lumens	2278.5	0.0	2278.5
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	16.7	0.7
10°-20°	49.5	2.2
20°-30°	86.9	3.8
30°-40°	138.7	6.1
40°-50°	231.9	10.2
50°-60°	396.8	17.4
60°-70°	655.1	28.8
70°-80°	627.9	27.6
80°-90°	74.9	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°	2278.5	100.0
0°-180°	2278.5	100.0



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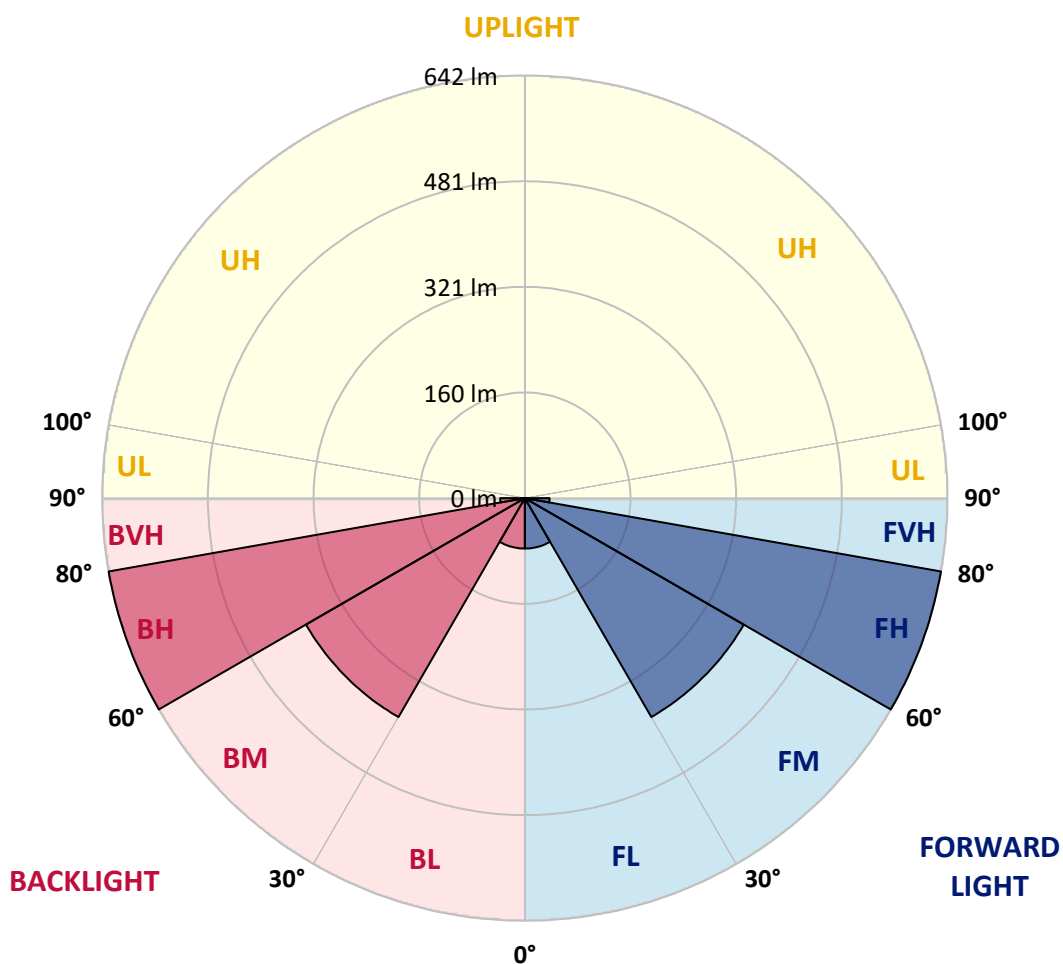
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	76.5	3.4			
FM	(30°-60°)	383.7	16.8			
FH	(60°-80°)	641.5	28.2			G0/660
FVH	(80°-90°)	37.4	1.6			G1/100
BL	(0°-30°)	76.5	3.4	B0/110		
BM	(30°-60°)	383.7	16.8	B1/1000		
BH	(60°-80°)	641.5	28.2	B2/1000		G0/660
BVH	(80°-90°)	37.4	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





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	177.4	177.4	177.4	177.4	177.4	177.4	177.4	177.4	177.4	177.4	177.4
2.5°	176.3	176.3	176.8	176.9	176.8	176.6	176.5	176.3	176.8	176.6	176.8
5°	175.8	175.8	176.0	176.2	175.8	175.7	175.4	175.2	175.5	175.5	175.8
7.5°	174.6	174.4	174.6	174.7	174.2	174.1	173.6	173.6	173.6	173.5	173.8
10°	173.5	173.1	173.1	172.8	172.0	172.2	171.5	172.0	172.8	173.0	173.1
12.5°	173.9	173.6	173.3	172.5	171.4	171.5	171.4	171.9	173.0	173.6	174.1
15°	176.2	175.8	175.0	173.6	173.0	173.0	172.7	172.8	174.4	175.4	175.8
17.5°	178.5	177.9	176.5	175.5	174.9	175.4	174.2	174.1	175.4	176.8	177.3
20°	180.4	180.0	178.2	177.1	177.1	177.6	176.5	175.8	177.3	179.0	179.5
22.5°	183.8	183.5	181.7	180.6	180.6	180.8	180.1	179.7	181.2	183.0	183.5
25°	188.6	188.6	186.8	186.3	186.2	186.5	185.7	185.2	186.6	187.9	188.4
27.5°	194.1	193.6	192.2	191.9	192.5	193.6	192.2	190.9	192.1	193.2	193.3
30°	200.0	200.0	198.7	198.7	199.2	199.7	198.4	197.1	198.3	199.5	199.7
32.5°	208.3	207.8	207.3	207.5	207.3	206.7	206.0	205.9	206.8	207.6	208.0
35°	218.4	218.3	217.6	218.0	218.0	218.0	216.1	215.4	217.0	217.6	217.3
37.5°	234.2	234.0	232.4	231.5	230.4	229.9	227.5	227.3	231.2	233.1	232.8
40°	253.4	252.8	251.4	249.8	248.3	247.4	245.0	246.7	250.7	252.1	252.1
42.5°	274.4	273.6	272.0	271.2	270.3	269.3	266.1	266.9	271.7	273.1	271.5
45°	300.2	299.0	297.3	295.6	294.1	292.2	290.6	291.4	296.5	298.3	297.0
47.5°	327.5	327.2	325.8	324.3	323.1	321.8	319.7	321.1	325.6	325.3	322.7
50°	356.4	357.1	357.2	358.7	357.7	357.9	354.1	353.3	356.8	354.7	351.5
52.5°	387.6	388.6	391.9	394.8	400.0	400.6	395.9	390.8	390.1	384.7	381.4
55°	423.7	423.5	430.8	438.8	450.4	454.1	443.4	433.9	428.6	418.1	414.6
57.5°	464.6	464.1	475.2	489.2	510.2	519.2	499.7	481.6	468.8	456.3	452.6
60°	508.9	510.0	523.5	546.3	582.5	595.1	565.5	535.5	516.1	499.7	498.3
62.5°	560.7	560.9	576.8	607.6	654.7	674.9	634.2	593.5	568.8	550.9	547.1
65°	621.9	623.1	640.1	671.2	725.3	750.2	703.3	653.7	624.6	600.3	599.8
67.5°	684.7	684.1	699.7	732.8	784.9	808.0	758.8	703.5	665.7	635.3	631.3
70°	725.0	728.5	745.3	777.0	826.9	849.3	789.5	722.7	683.2	655.3	653.4
72.5°	691.1	697.6	719.4	771.9	842.6	869.2	782.2	702.9	652.9	625.0	625.0
75°	561.1	571.9	602.2	683.0	788.2	834.2	724.2	615.1	542.5	512.6	512.6
77.5°	341.8	352.2	393.2	491.7	636.6	695.4	590.3	463.3	379.2	342.6	337.8
80°	113.7	120.4	160.6	249.9	390.8	462.8	395.6	263.1	169.8	129.4	128.8
82.5°	30.2	32.9	45.8	72.5	169.6	250.7	180.9	86.8	49.8	38.6	35.6
85°	10.5	11.3	19.4	24.2	43.1	83.0	50.4	31.5	24.2	14.6	13.7
87.5°	3.0	3.3	7.8	8.4	12.4	9.7	13.7	12.6	11.4	4.8	4.3
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)