

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: P672432

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

Issue Date: 04/16/2023

Test Information

Test Method: LM-79-08
Report Number: P672432
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-5WQ
Description: INVUE CLEAR CURVE POLE MOUNT LIGHT SQUARE LUMINAIRE @450mA w/ 5WQ
distribution lens
Light Source: (16) 2700K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2660.9 lumens
Efficiency: N/A
Efficacy: 110.9 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B2 - U0 - G1

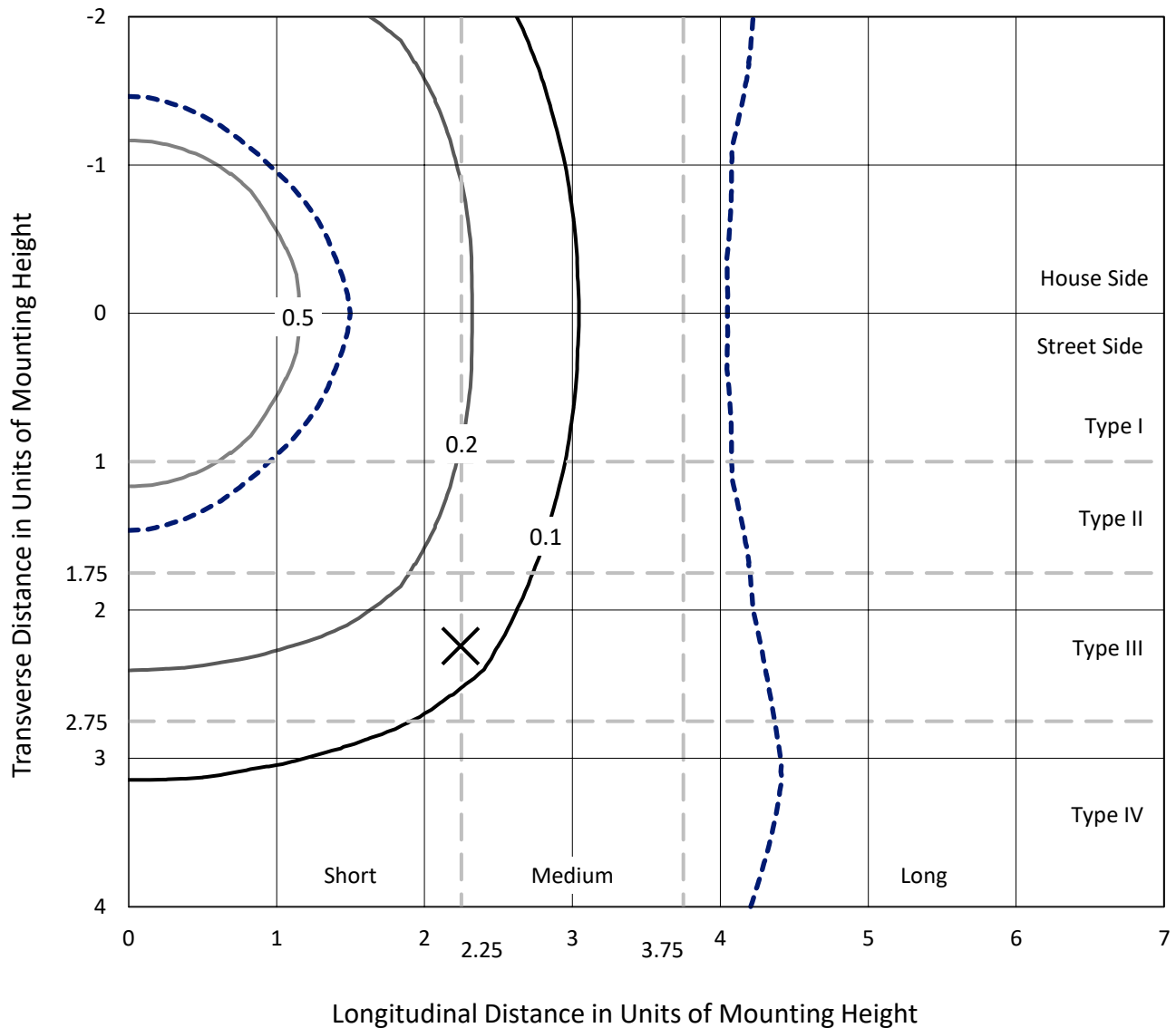
Input Watts (W): 24
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT

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Iso-Footcandle Lines of Horizontal Illumination

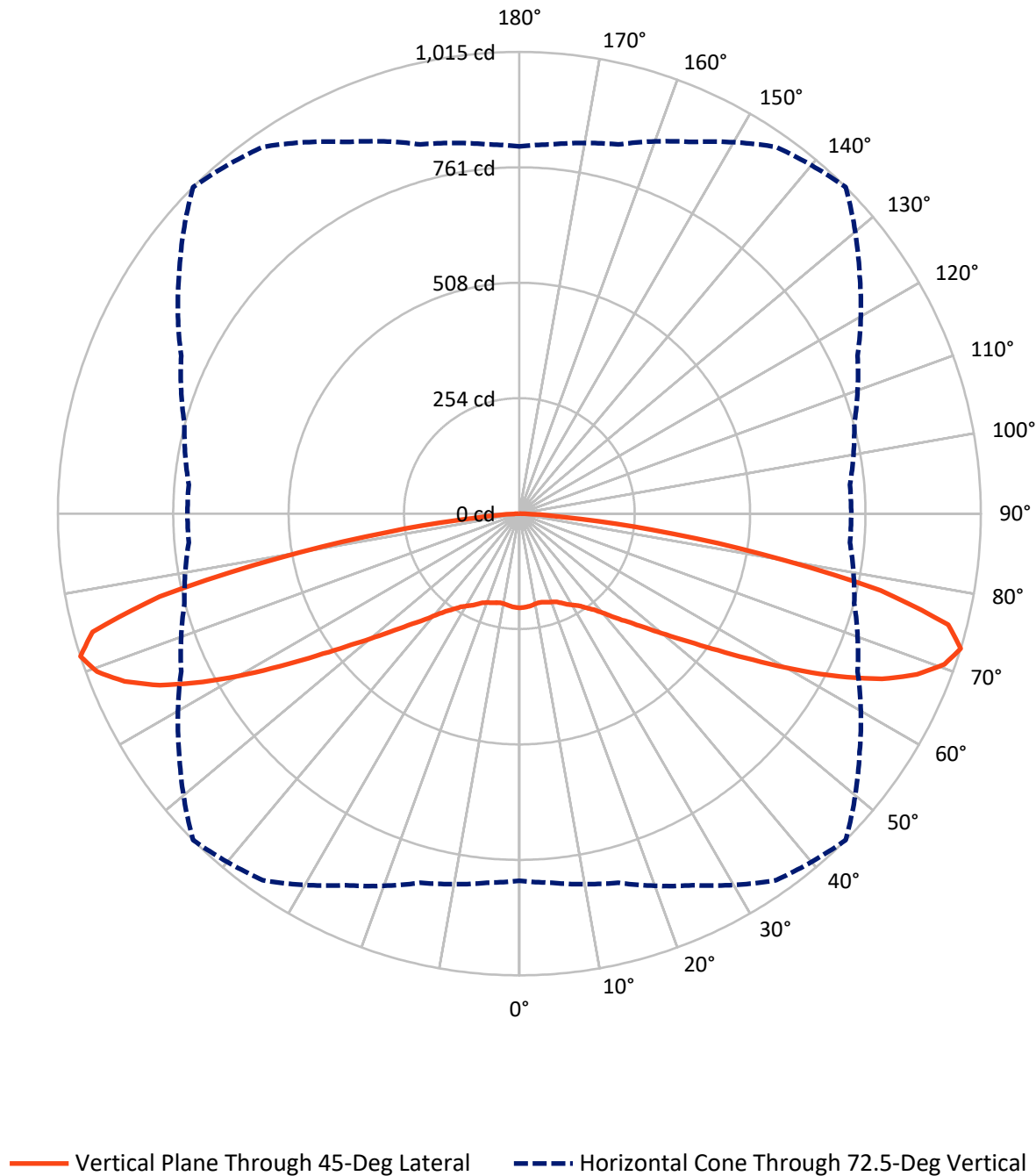
× Max cd
- - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 0.9 fc
Type V - Short - N/A

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Luminous Intensity Polar Plot



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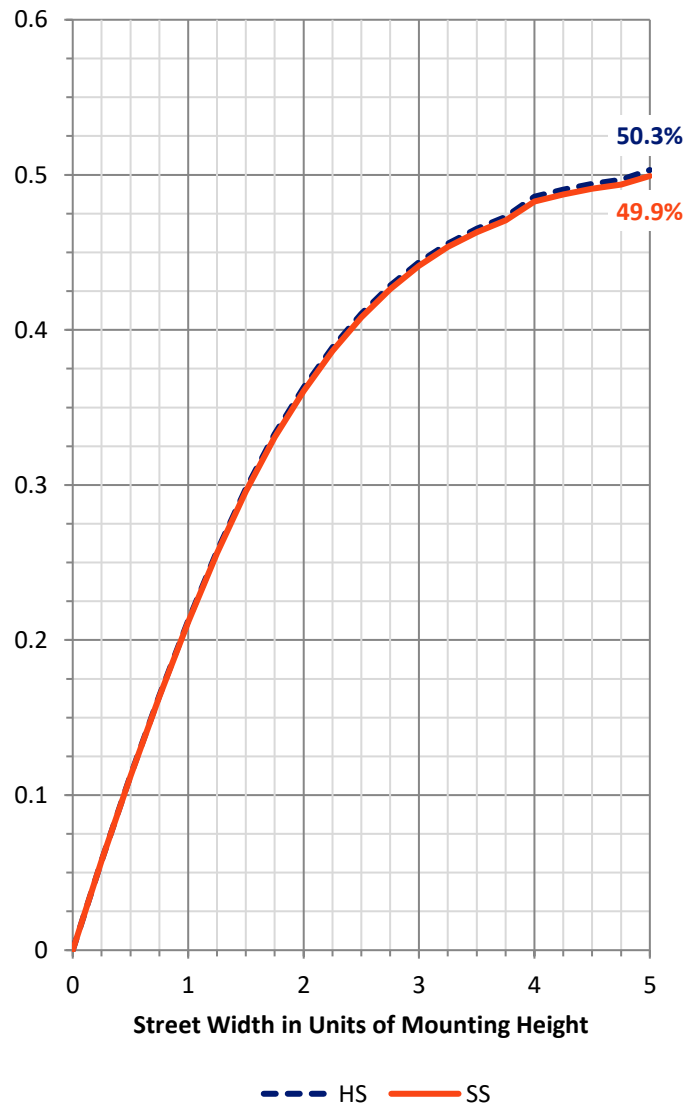
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1330.4	0.0	1330.4
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	1330.4	0.0	1330.4
	% Fixture	50.0	0.0	50.0
Total	Lumens	2660.9	0.0	2660.9
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	19.5	0.7
10°-20°	57.8	2.2
20°-30°	101.5	3.8
30°-40°	162.0	6.1
40°-50°	270.8	10.2
50°-60°	463.5	17.4
60°-70°	765.1	28.8
70°-80°	733.3	27.6
80°-90°	87.5	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°	2660.9	100.0
0°-180°	2660.9	100.0



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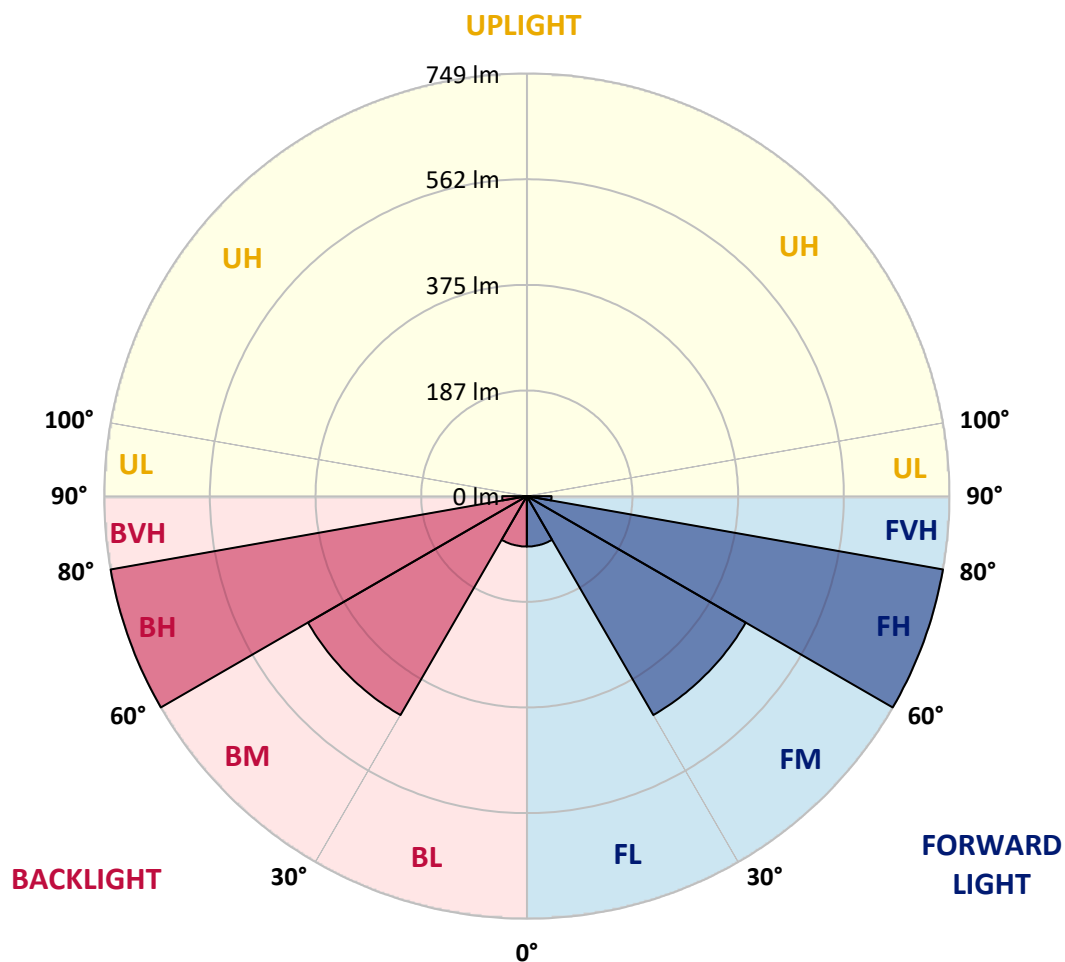
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	89.4	3.4			
FM	(30°-60°)	448.1	16.8			
FH	(60°-80°)	749.2	28.2			G1/1800
FVH	(80°-90°)	43.7	1.6			G1/100
BL	(0°-30°)	89.4	3.4	B0/110		
BM	(30°-60°)	448.1	16.8	B1/1000		
BH	(60°-80°)	749.2	28.2	B2/1000		G1/1800
BVH	(80°-90°)	43.7	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°	207.2	207.2	207.2	207.2	207.2	207.2	207.2	207.2	207.2	207.2	207.2
2.5°	205.9	205.9	206.5	206.6	206.5	206.3	206.1	205.9	206.5	206.3	206.5
5°	205.3	205.3	205.5	205.7	205.3	205.2	204.8	204.6	205.0	205.0	205.3
7.5°	203.9	203.7	203.9	204.0	203.5	203.3	202.7	202.7	202.7	202.6	202.9
10°	202.6	202.2	202.2	201.8	200.9	201.1	200.3	200.9	201.8	202.0	202.2
12.5°	203.1	202.7	202.4	201.5	200.2	200.3	200.2	200.7	202.0	202.7	203.3
15°	205.7	205.3	204.4	202.7	202.0	202.0	201.6	201.8	203.7	204.8	205.3
17.5°	208.5	207.8	206.1	205.0	204.2	204.8	203.5	203.3	204.8	206.5	207.0
20°	210.7	210.2	208.1	206.8	206.8	207.4	206.1	205.3	207.0	209.1	209.6
22.5°	214.6	214.3	212.2	210.9	210.9	211.1	210.4	209.8	211.7	213.7	214.3
25°	220.2	220.2	218.2	217.6	217.4	217.8	216.9	216.3	218.0	219.5	220.0
27.5°	226.7	226.1	224.5	224.1	224.8	226.1	224.5	223.0	224.3	225.6	225.8
30°	233.6	233.6	232.1	232.1	232.6	233.2	231.7	230.2	231.5	233.0	233.2
32.5°	243.2	242.7	242.1	242.3	242.1	241.4	240.6	240.4	241.6	242.5	242.9
35°	255.1	254.9	254.2	254.6	254.6	254.6	252.3	251.6	253.4	254.2	253.8
37.5°	273.5	273.3	271.4	270.3	269.0	268.5	265.7	265.5	270.0	272.2	271.8
40°	296.0	295.2	293.5	291.7	290.0	288.9	286.1	288.2	292.8	294.5	294.5
42.5°	320.5	319.5	317.7	316.8	315.6	314.5	310.8	311.7	317.3	319.0	317.1
45°	350.5	349.2	347.2	345.2	343.5	341.3	339.4	340.3	346.3	348.3	346.8
47.5°	382.5	382.1	380.4	378.8	377.3	375.8	373.4	375.1	380.2	379.9	376.9
50°	416.3	417.0	417.2	418.9	417.8	417.9	413.5	412.6	416.6	414.2	410.5
52.5°	452.7	453.8	457.7	461.0	467.1	467.9	462.3	456.4	455.6	449.3	445.4
55°	494.8	494.6	503.2	512.4	526.0	530.3	517.8	506.7	500.6	488.3	484.2
57.5°	542.5	542.0	555.0	571.3	595.8	606.4	583.6	562.4	547.5	532.9	528.6
60°	594.3	595.6	611.4	638.0	680.3	695.0	660.4	625.3	602.7	583.6	581.9
62.5°	654.9	655.0	673.6	709.6	764.6	788.2	740.6	693.1	664.3	643.3	638.9
65°	726.3	727.6	747.5	783.9	847.0	876.2	821.4	763.5	729.5	701.1	700.5
67.5°	799.7	798.9	817.1	855.7	916.6	943.6	886.2	821.6	777.4	741.9	737.3
70°	846.6	850.7	870.4	907.4	965.7	991.8	922.0	844.0	797.8	765.3	763.1
72.5°	807.1	814.7	840.1	901.4	984.0	1015.0	913.5	820.8	762.5	729.9	729.9
75°	655.2	667.8	703.3	797.6	920.5	974.2	845.7	718.4	633.5	598.6	598.6
77.5°	399.2	411.3	459.2	574.3	743.4	812.1	689.4	541.0	442.8	400.1	394.5
80°	132.8	140.6	187.5	291.9	456.4	540.5	461.9	307.3	198.3	151.1	150.4
82.5°	35.3	38.4	53.5	84.7	198.1	292.8	211.3	101.4	58.1	45.1	41.6
85°	12.3	13.2	22.7	28.2	50.3	96.9	58.9	36.8	28.2	17.1	16.0
87.5°	3.5	3.9	9.1	9.8	14.5	11.3	16.0	14.7	13.4	5.6	5.0
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)