

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: P672431

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

Issue Date: 04/16/2023

Test Information

Test Method: LM-79-08
Report Number: P672431
Test Lab: INNOVATION CENTER(G2)
Issue Date: 04/16/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCP-SA-1A-827-U-5WQ
Description: INVUE CLEAR CURVE POLE MOUNT LIGHT SQUARE LUMINAIRE @350mA w/ 5WQ
distribution lens
Light Source: (16) 2700K CCT, 80 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

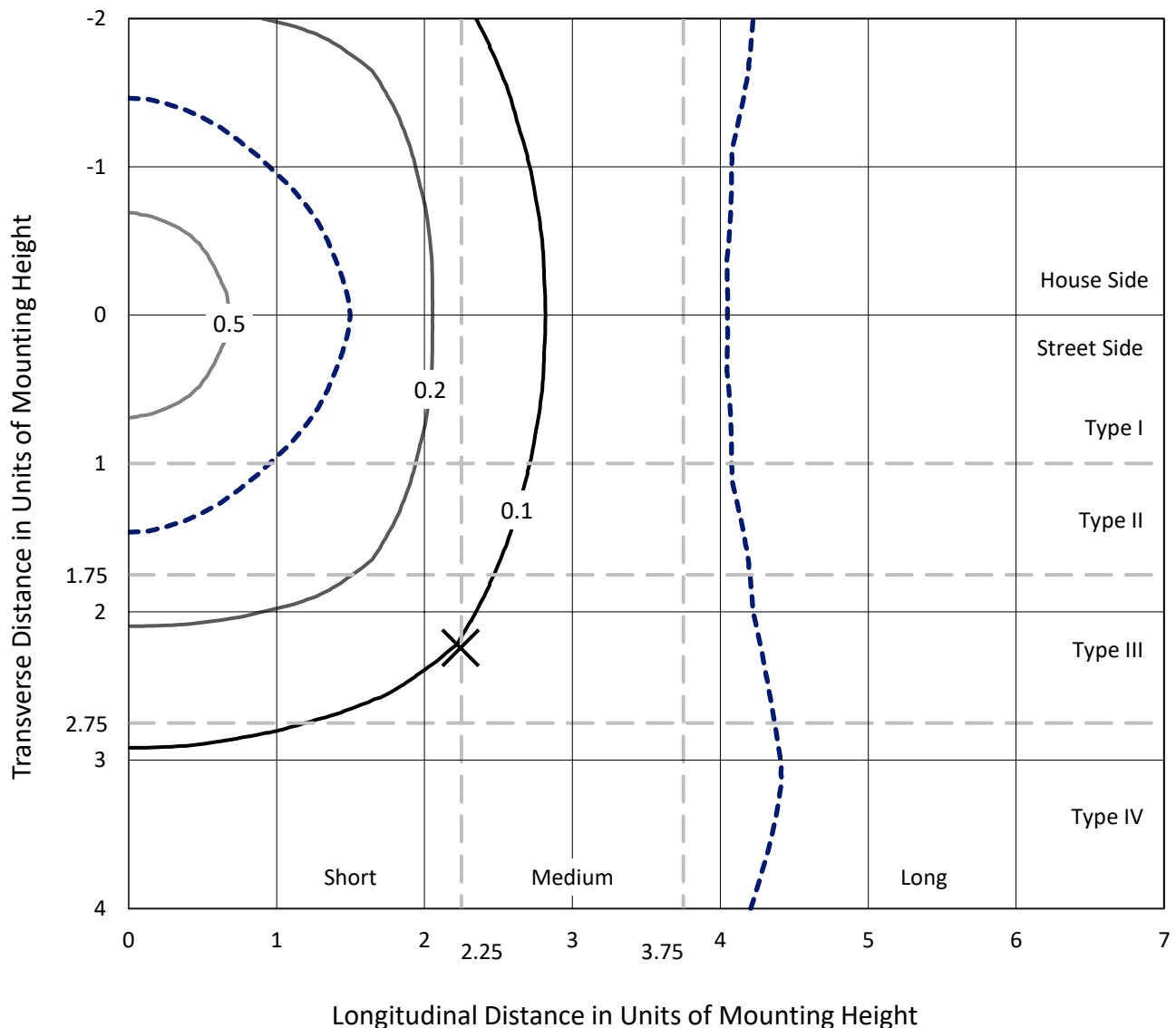
Lumens per Lamp: N/A
Luminaire Lumens: 2107.8 lumens
Efficiency: N/A
Efficacy: 117.1 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B2 - U0 - G1

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

REPORT NUMBER: P672431
 CATALOG NUMBER: CCP-SA-1A-827-U-5WQ

Iso-Footcandle Lines of Horizontal Illumination

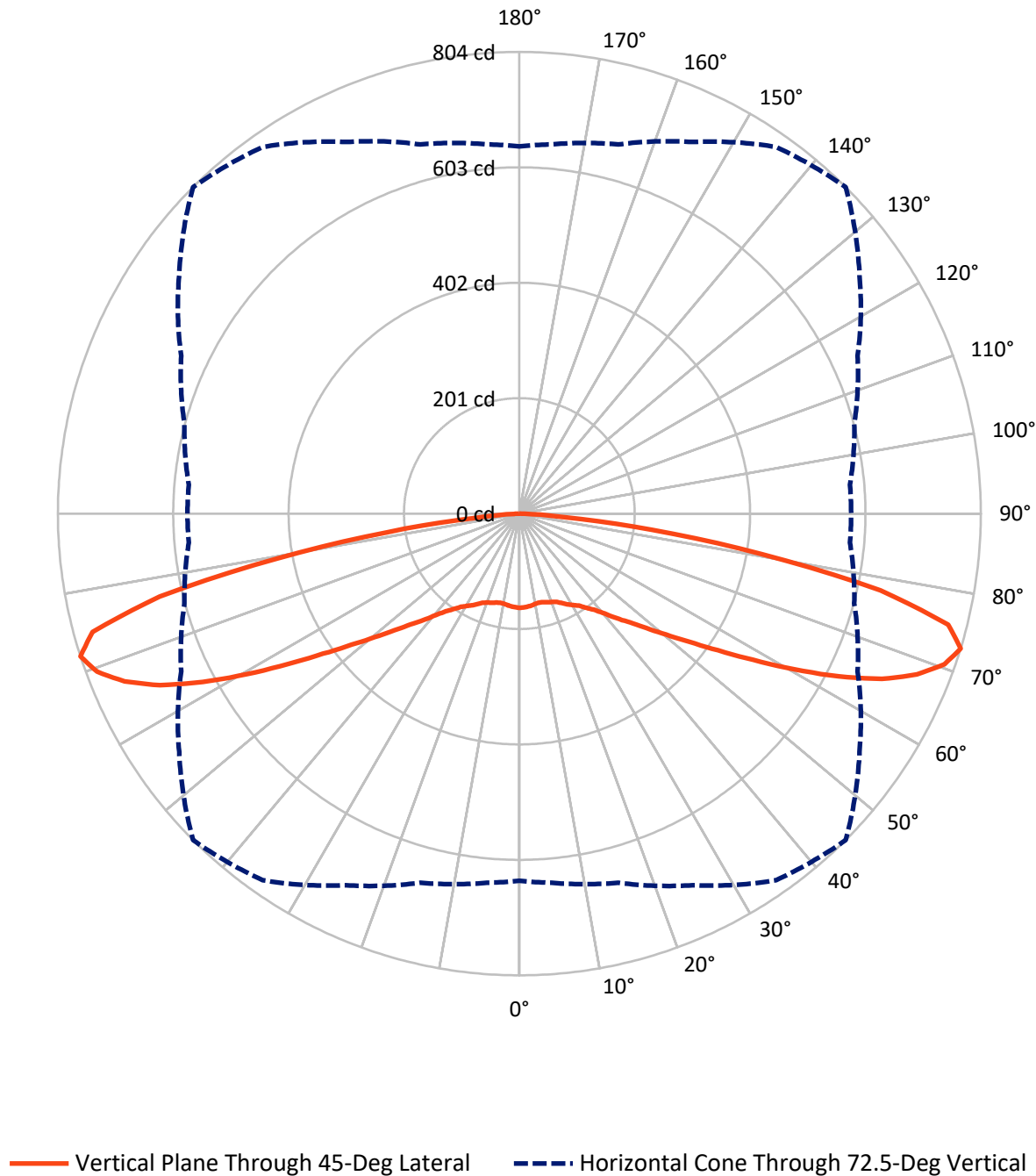
× Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 0.7 fc
 Type V - Short - N/A

REPORT NUMBER: P672431
CATALOG NUMBER: CCP-SA-1A-827-U-5WQ

Luminous Intensity Polar Plot



REPORT NUMBER: P672431

CATALOG NUMBER: CCP-SA-1A-827-U-5WQ

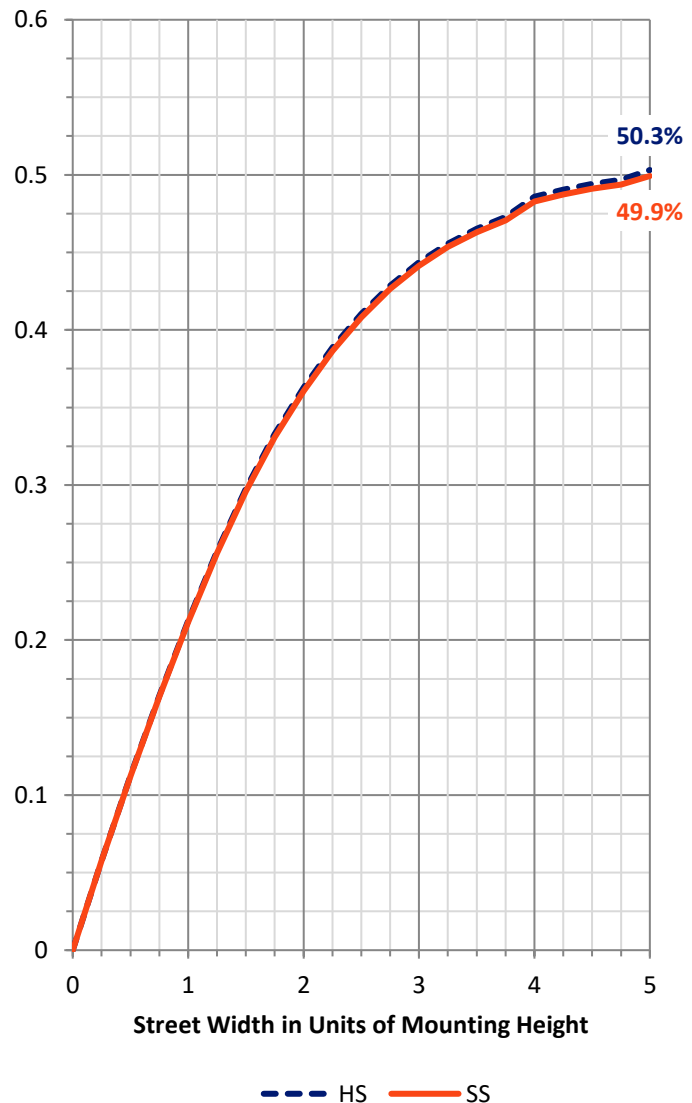
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1053.9	0.0	1053.9
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	1053.9	0.0	1053.9
	% Fixture	50.0	0.0	50.0
Total	Lumens	2107.8	0.0	2107.8
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	15.4	0.7
10°-20°	45.8	2.2
20°-30°	80.4	3.8
30°-40°	128.3	6.1
40°-50°	214.5	10.2
50°-60°	367.1	17.4
60°-70°	606.1	28.8
70°-80°	580.9	27.6
80°-90°	69.3	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°	2107.8	100.0
0°-180°	2107.8	100.0



REPORT NUMBER: P672431

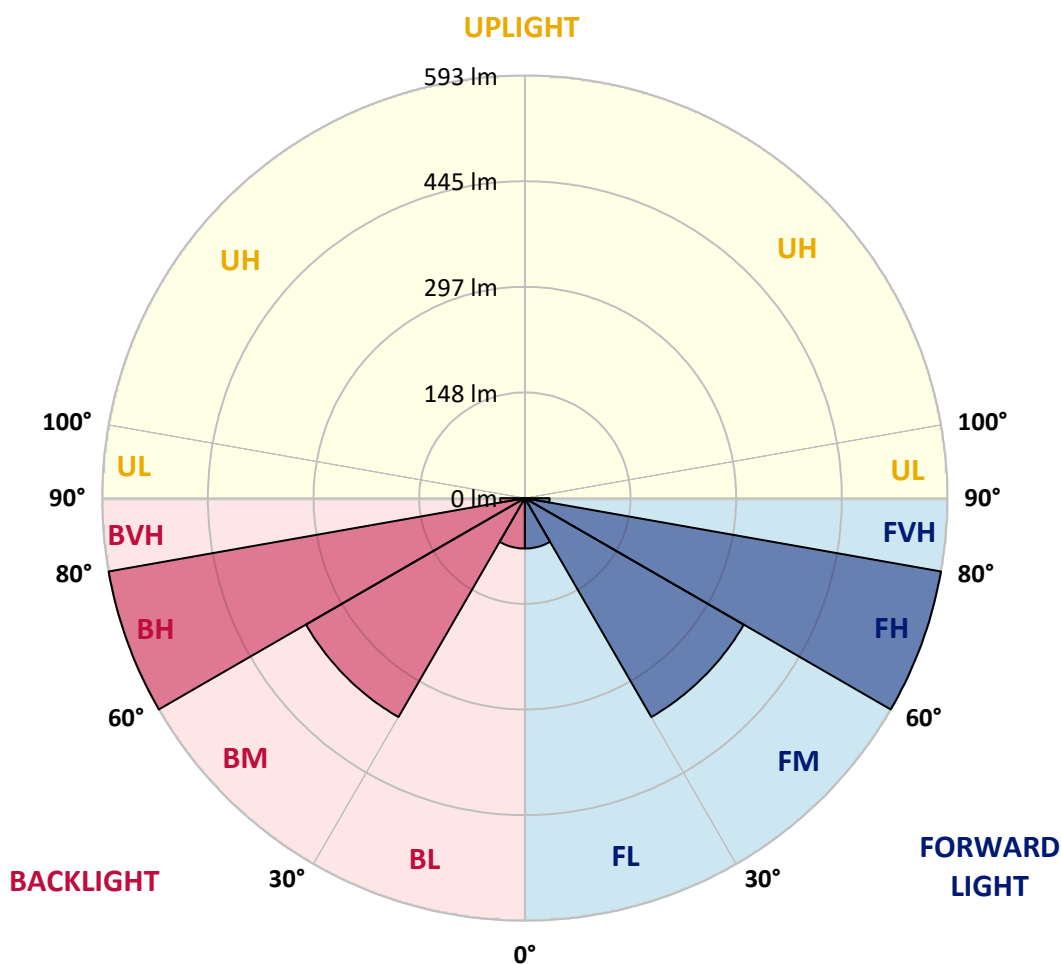
CATALOG NUMBER: CCP-SA-1A-827-U-5WQ

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	70.8	3.4			
FM	(30°-60°)	355.0	16.8			
FH	(60°-80°)	593.5	28.2			G0/660
FVH	(80°-90°)	34.6	1.6			G1/100
BL	(0°-30°)	70.8	3.4	B0/110		
BM	(30°-60°)	355.0	16.8	B1/1000		
BH	(60°-80°)	593.5	28.2	B2/1000		G0/660
BVH	(80°-90°)	34.6	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: P672431

CATALOG NUMBER: CCP-SA-1A-827-U-5WQ

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	164.1	164.1	164.1	164.1	164.1	164.1	164.1	164.1	164.1	164.1	164.1
2.5°	163.1	163.1	163.6	163.7	163.6	163.4	163.3	163.1	163.6	163.4	163.6
5°	162.7	162.7	162.8	163.0	162.7	162.5	162.2	162.1	162.4	162.4	162.7
7.5°	161.5	161.3	161.5	161.6	161.2	161.1	160.6	160.6	160.6	160.5	160.8
10°	160.5	160.2	160.2	159.9	159.1	159.3	158.7	159.1	159.9	160.0	160.2
12.5°	160.9	160.6	160.3	159.6	158.6	158.7	158.6	159.0	160.0	160.6	161.1
15°	163.0	162.7	161.9	160.6	160.0	160.0	159.7	159.9	161.3	162.2	162.7
17.5°	165.2	164.6	163.3	162.4	161.8	162.2	161.2	161.1	162.2	163.6	164.0
20°	166.9	166.5	164.9	163.8	163.8	164.3	163.3	162.7	164.0	165.6	166.1
22.5°	170.0	169.7	168.1	167.1	167.1	167.2	166.6	166.2	167.7	169.3	169.7
25°	174.4	174.4	172.8	172.4	172.2	172.5	171.8	171.3	172.7	173.8	174.3
27.5°	179.6	179.1	177.8	177.5	178.1	179.1	177.8	176.6	177.7	178.7	178.8
30°	185.0	185.0	183.8	183.8	184.3	184.7	183.6	182.4	183.4	184.6	184.7
32.5°	192.7	192.2	191.8	191.9	191.8	191.2	190.6	190.5	191.4	192.1	192.4
35°	202.1	201.9	201.4	201.6	201.6	201.6	199.9	199.3	200.8	201.4	201.1
37.5°	216.6	216.5	215.0	214.1	213.1	212.7	210.5	210.3	213.9	215.6	215.3
40°	234.4	233.9	232.5	231.1	229.7	228.9	226.6	228.3	231.9	233.3	233.3
42.5°	253.9	253.1	251.7	250.9	250.0	249.2	246.2	246.9	251.4	252.7	251.2
45°	277.7	276.7	275.0	273.4	272.1	270.3	268.9	269.6	274.3	275.9	274.7
47.5°	303.0	302.7	301.4	300.0	298.9	297.7	295.8	297.1	301.2	300.9	298.6
50°	329.8	330.3	330.5	331.8	330.9	331.1	327.5	326.8	330.0	328.1	325.2
52.5°	358.6	359.5	362.6	365.2	370.1	370.6	366.2	361.5	360.9	355.9	352.8
55°	392.0	391.8	398.6	405.9	416.7	420.1	410.2	401.4	396.5	386.8	383.6
57.5°	429.8	429.3	439.6	452.6	472.0	480.4	462.3	445.5	433.7	422.1	418.7
60°	470.8	471.8	484.3	505.4	538.9	550.5	523.2	495.4	477.4	462.3	460.9
62.5°	518.7	518.9	533.6	562.1	605.7	624.4	586.7	549.0	526.3	509.6	506.1
65°	575.4	576.4	592.1	621.0	671.0	694.1	650.7	604.8	577.9	555.4	554.9
67.5°	633.5	632.9	647.3	677.9	726.1	747.5	702.0	650.8	615.8	587.7	584.1
70°	670.7	673.9	689.5	718.8	765.0	785.7	730.4	668.6	632.0	606.3	604.5
72.5°	639.4	645.4	665.5	714.1	779.5	804.1	723.6	650.2	604.1	578.2	578.2
75°	519.0	529.0	557.1	631.9	729.2	771.7	669.9	569.1	501.8	474.2	474.2
77.5°	316.2	325.8	363.7	454.9	588.9	643.3	546.1	428.6	350.8	317.0	312.5
80°	105.2	111.3	148.6	231.2	361.5	428.1	365.9	243.4	157.1	119.7	119.1
82.5°	27.9	30.4	42.4	67.1	156.9	231.9	167.4	80.3	46.0	35.7	32.9
85°	9.7	10.4	17.9	22.4	39.9	76.8	46.6	29.1	22.4	13.5	12.6
87.5°	2.8	3.1	7.2	7.8	11.5	9.0	12.6	11.6	10.6	4.4	4.0
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)