

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: P672763

Luminaire Tested: **CCP-SA-1A-850-U-5NQ**

Issue Date: 04/16/2023

Test Information

Test Method: LM-79-08
Report Number: P672763
Test Lab: INNOVATION CENTER(G2)
Issue Date: 04/16/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCP-SA-1A-850-U-5NQ
Description: INVUE CLEAR CURVE POLE MOUNT LIGHT SQUARE LUMINAIRE @350mA w/ 5NQ
distribution lens
Light Source: (16) 5000K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2484.2 lumens
Efficiency: N/A
Efficacy: 138.0 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B1 - U0 - G0

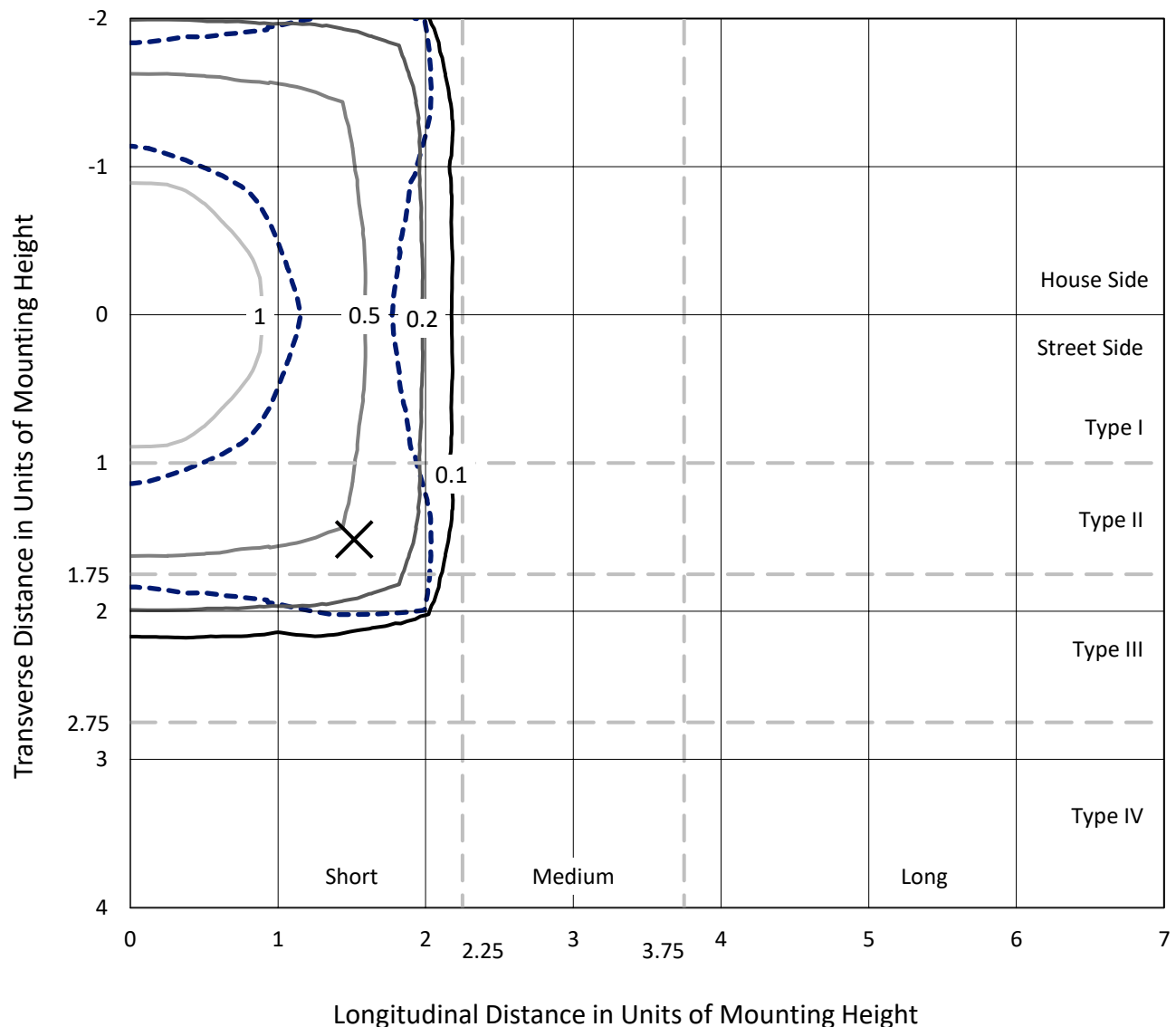
Input Watts (W): 18
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT

REPORT NUMBER: P672763

CATALOG NUMBER: CCP-SA-1A-850-U-5NQ

Iso-Footcandle Lines of Horizontal Illumination

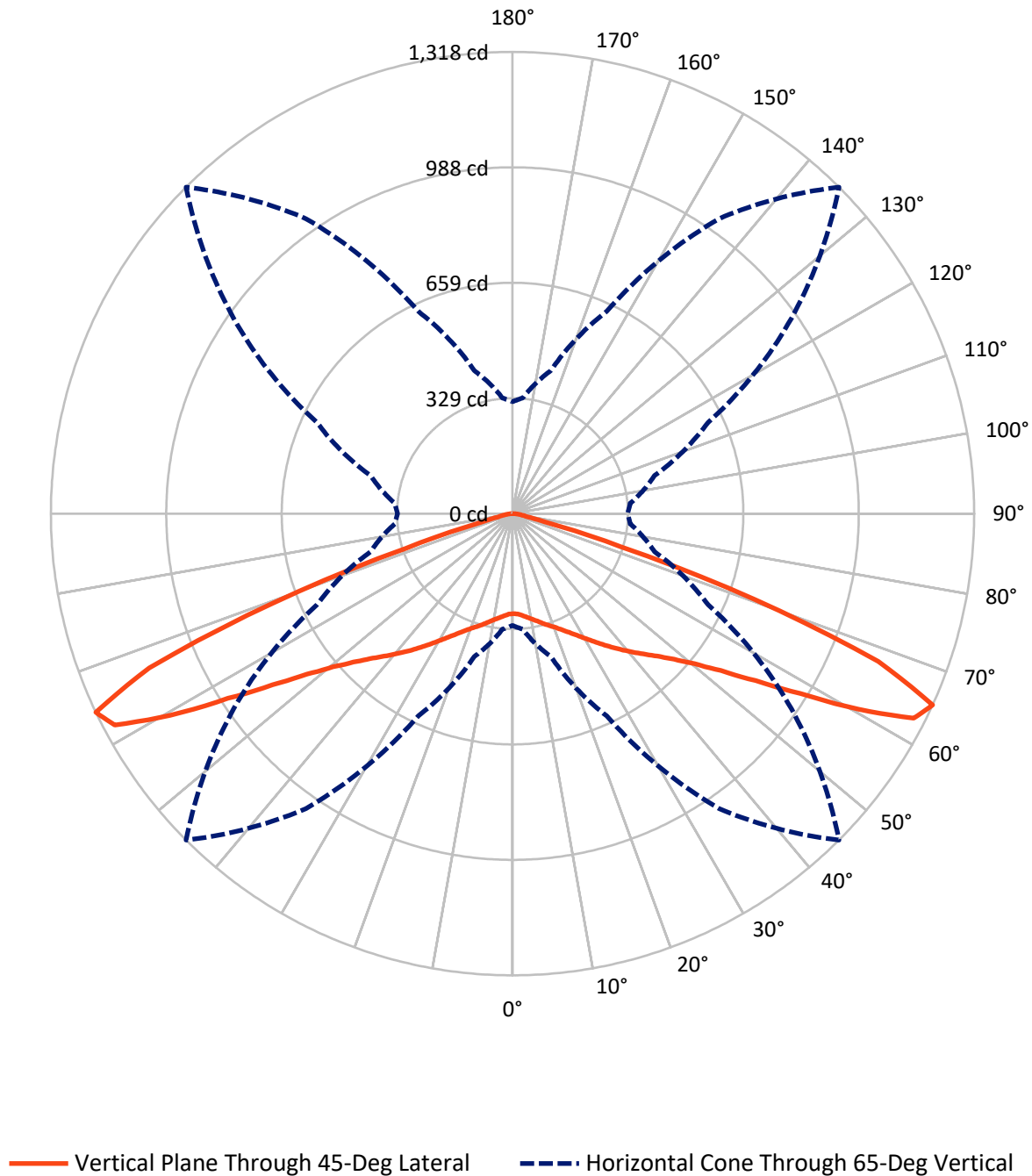
× Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 1.3 fc
 Type V - Short - N/A

REPORT NUMBER: P672763
CATALOG NUMBER: CCP-SA-1A-850-U-5NQ

Luminous Intensity Polar Plot



REPORT NUMBER: P672763

CATALOG NUMBER: CCP-SA-1A-850-U-5NQ

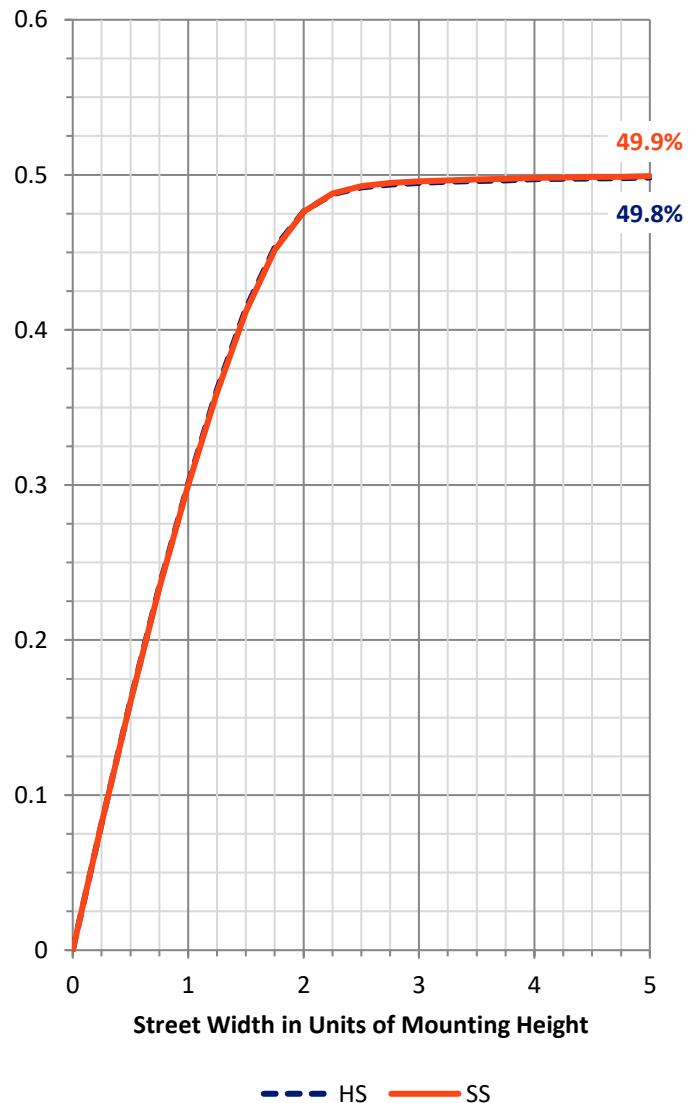
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1242.1	0.0	1242.1
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	1242.1	0.0	1242.1
	% Fixture	50.0	0.0	50.0
Total	Lumens	2484.2	0.0	2484.2
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	28.3	1.1
10°-20°	92.4	3.7
20°-30°	175.2	7.1
30°-40°	293.8	11.8
40°-50°	464.8	18.7
50°-60°	730.3	29.4
60°-70°	617.0	24.8
70°-80°	71.8	2.9
80°-90°	10.7	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°	2484.2	100.0
0°-180°	2484.2	100.0

Coefficient of Utilization



REPORT NUMBER: P672763

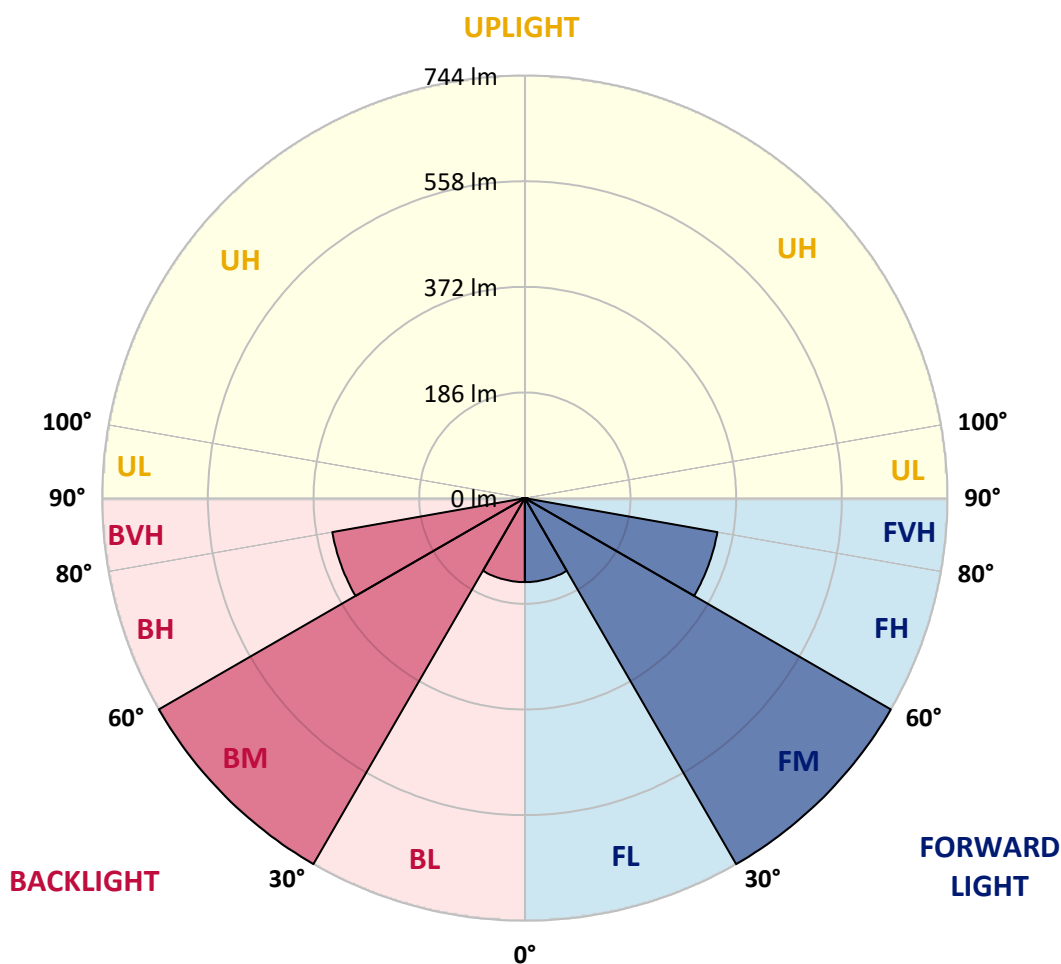
CATALOG NUMBER: CCP-SA-1A-850-U-5NQ

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	147.9	6.0			
FM	(30°-60°)	744.4	30.0			
FH	(60°-80°)	344.4	13.9			G0/660
FVH	(80°-90°)	5.4	0.2			G0/10
BL	(0°-30°)	147.9	6.0	B1/500		
BM	(30°-60°)	744.4	30.0	B1/1000		
BH	(60°-80°)	344.4	13.9	B1/500		G0/660
BVH	(80°-90°)	5.4	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



REPORT NUMBER: P672763

CATALOG NUMBER: CCP-SA-1A-850-U-5NQ

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	285.6	285.6	285.6	285.6	285.6	285.6	285.6	285.6	285.6	285.6	285.6
2.5°	287.2	286.3	287.2	287.2	286.7	286.9	286.2	286.0	286.9	286.2	286.0
5°	293.2	292.5	293.2	292.6	291.8	291.9	290.9	290.5	291.6	290.5	290.7
7.5°	300.0	298.7	299.1	299.6	298.7	298.7	297.9	297.3	297.9	296.8	297.5
10°	305.7	304.7	305.2	305.9	305.7	306.2	305.4	305.0	304.5	303.3	304.3
12.5°	313.2	312.9	313.6	314.5	314.1	314.8	312.9	312.4	312.2	310.8	312.0
15°	323.0	322.1	323.4	324.4	323.9	325.1	323.5	322.8	322.0	320.2	321.3
17.5°	332.8	332.1	333.8	334.4	334.5	335.6	334.4	333.3	333.0	331.7	331.0
20°	344.5	343.6	345.0	346.1	345.2	346.4	345.9	345.2	344.8	342.9	342.7
22.5°	357.6	356.4	358.5	359.7	358.5	359.7	358.6	358.5	358.6	355.8	356.2
25°	372.2	372.4	374.5	375.4	374.7	375.4	373.8	374.9	374.3	371.4	370.3
27.5°	391.1	390.4	392.7	395.3	393.5	393.5	392.8	393.9	393.7	390.9	390.2
30°	413.1	412.9	416.2	417.8	415.4	414.3	414.1	416.8	416.9	414.0	412.8
32.5°	436.1	436.1	440.2	442.1	438.6	437.9	437.2	440.7	440.2	436.1	433.5
35°	461.5	460.4	465.8	468.6	465.1	463.0	462.7	465.8	465.1	459.5	456.4
37.5°	486.4	487.1	493.4	496.6	492.4	489.8	490.6	492.7	492.9	486.8	483.5
40°	517.0	517.2	525.0	527.5	522.1	518.0	519.3	524.0	523.6	516.1	511.9
42.5°	551.2	550.5	560.3	562.4	555.1	547.4	551.0	558.4	560.1	551.7	547.4
45°	587.9	588.9	599.1	601.3	589.8	580.0	587.9	598.9	601.1	592.1	586.7
47.5°	632.4	633.6	645.8	646.7	633.6	620.9	631.4	645.7	646.5	634.0	627.7
50°	683.2	687.4	701.0	702.8	689.8	673.4	688.4	701.2	697.9	681.1	675.4
52.5°	740.8	744.1	765.4	772.8	761.4	743.8	755.8	763.7	753.0	731.0	722.1
55°	789.9	795.5	823.8	846.1	854.7	841.4	840.0	828.5	798.8	765.3	756.0
57.5°	803.7	809.1	852.9	910.5	961.3	968.0	937.2	879.5	815.6	763.9	754.4
60°	747.6	755.0	819.0	928.2	1074.0	1134.0	1023.0	883.8	772.1	702.8	690.9
62.5°	587.2	600.8	683.6	854.7	1119.4	1285.2	1058.2	808.6	641.0	559.1	543.4
65°	319.3	331.0	422.4	636.9	1027.3	1317.5	971.8	615.6	419.2	337.0	328.4
67.5°	119.8	128.3	170.2	314.8	726.3	1126.3	737.7	352.5	190.3	136.5	124.5
70°	51.0	52.0	61.6	109.6	330.2	732.8	377.7	119.8	63.6	51.3	49.9
72.5°	36.7	36.8	39.5	48.5	100.6	321.4	114.2	50.3	38.8	34.9	34.9
75°	29.3	29.5	31.1	35.1	47.5	94.6	49.2	35.3	30.0	27.4	27.1
77.5°	23.0	23.4	25.0	27.4	31.8	43.3	33.3	27.8	24.1	21.7	21.3
80°	17.1	17.6	19.7	21.0	22.3	28.8	24.3	21.7	19.2	16.6	16.1
82.5°	11.3	11.9	14.7	15.5	15.4	18.2	16.8	16.6	14.7	11.0	10.5
85°	6.8	7.2	9.4	10.1	9.4	8.9	10.7	11.5	10.3	7.2	6.6
87.5°	3.0	3.0	4.2	4.4	4.2	3.3	5.1	5.9	6.1	3.7	3.3
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)