

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: P672752

Luminaire Tested: **CCP-SA-1A-840-U-5NQ**

Issue Date: 04/16/2023



Test Information

Test Method: LM-79-08
Report Number: P672752
Test Lab: INNOVATION CENTER(G2)
Issue Date: 04/16/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCP-SA-1A-840-U-5NQ
Description: INVUE CLEAR CURVE POLE MOUNT LIGHT SQUARE LUMINAIRE @350mA w/ 5NQ distribution lens
Light Source: (16) 4000K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

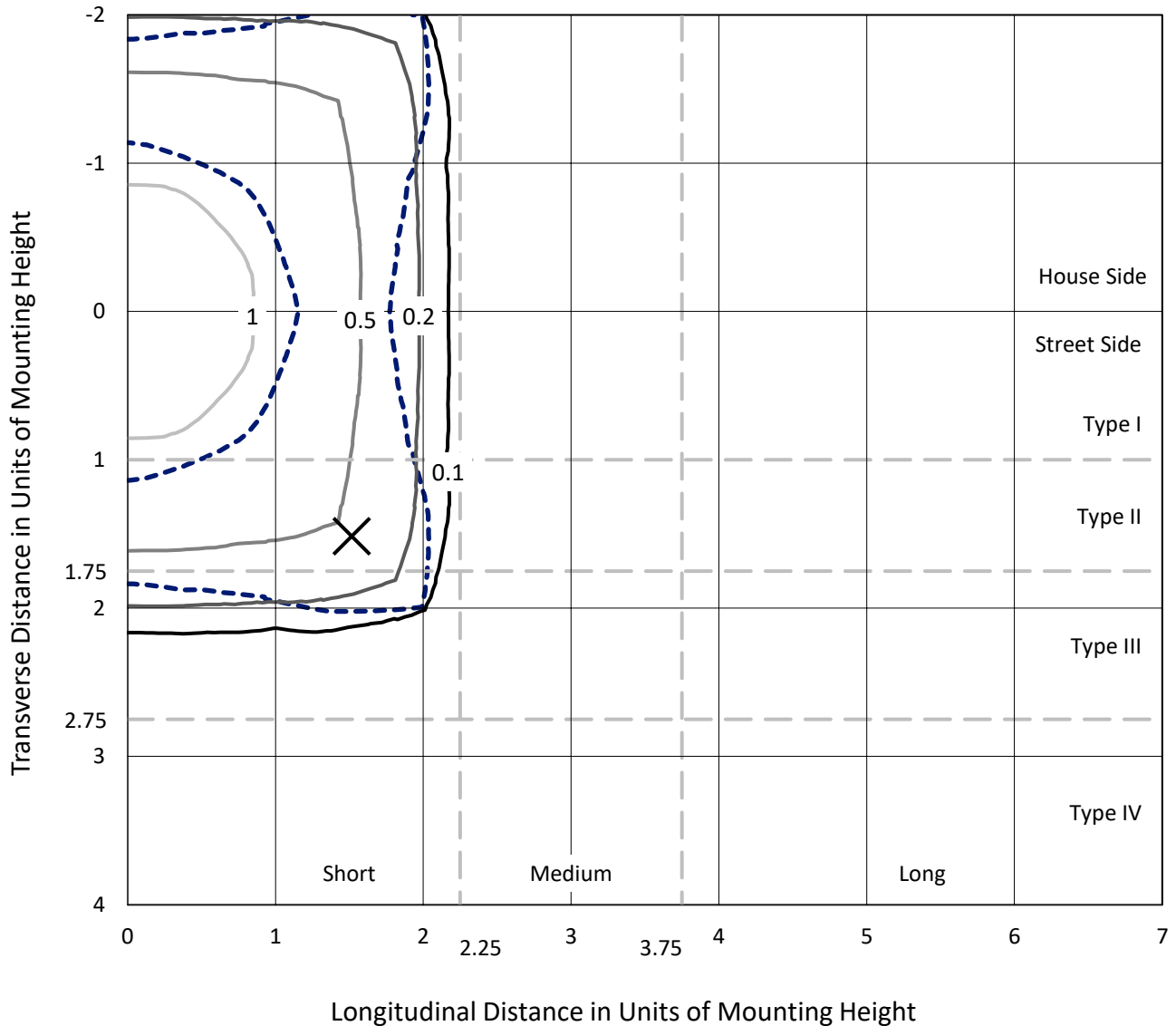
Lumens per Lamp: N/A
Luminaire Lumens: 2427.3 lumens
Efficiency: N/A
Efficacy: 134.9 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B1 - U0 - G0

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: P672752
 CATALOG NUMBER: CCP-SA-1A-840-U-5NQ

Iso-Footcandle Lines of Horizontal Illumination

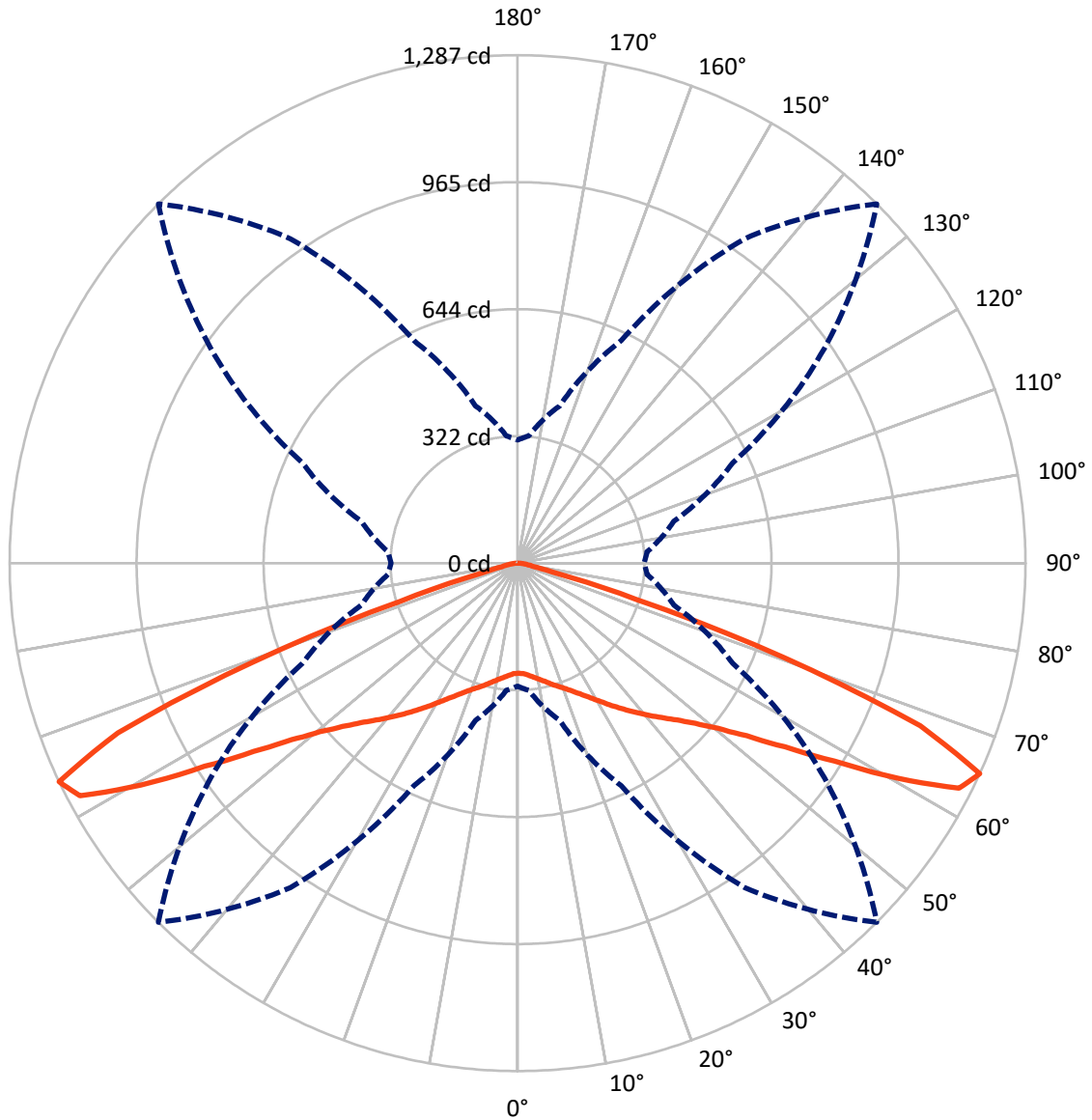
× Max cd
 - - - 1/2 Max cd



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

REPORT NUMBER: P672752
CATALOG NUMBER: CCP-SA-1A-840-U-5NQ

Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 65-Deg Vertical

REPORT NUMBER: P672752

CATALOG NUMBER: CCP-SA-1A-840-U-5NQ

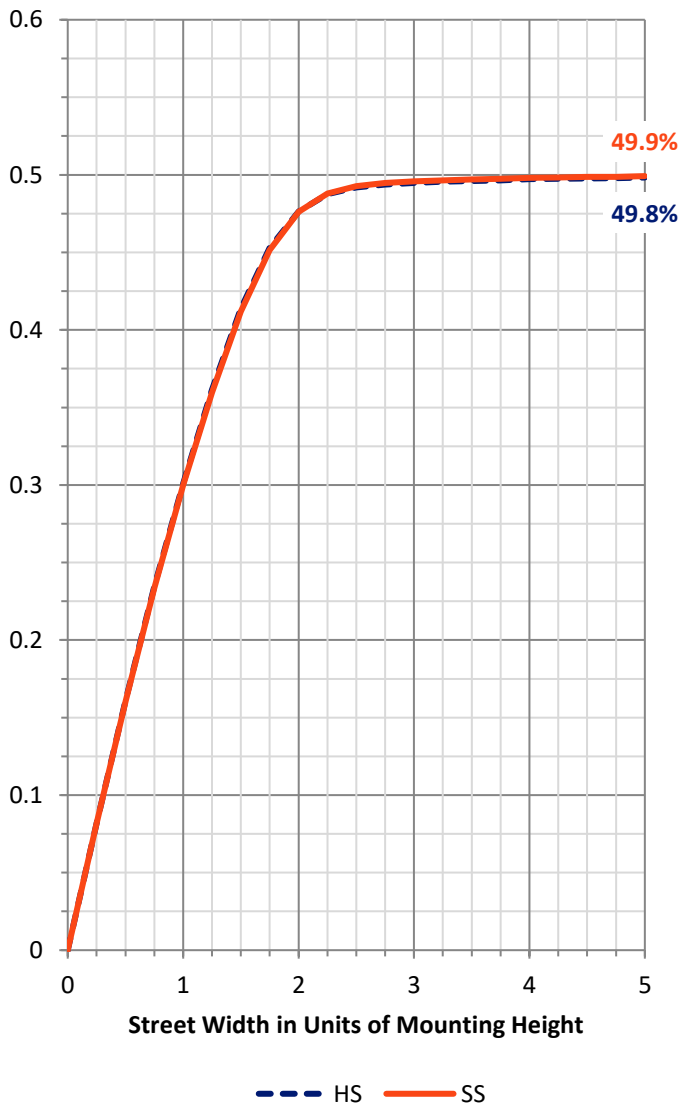
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1213.7	0.0	1213.7
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	1213.7	0.0	1213.7
	% Fixture	50.0	0.0	50.0
Total	Lumens	2427.3	0.0	2427.3
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	27.6	1.1
10°-20°	90.2	3.7
20°-30°	171.1	7.1
30°-40°	287.0	11.8
40°-50°	454.2	18.7
50°-60°	713.5	29.4
60°-70°	602.9	24.8
70°-80°	70.2	2.9
80°-90°	10.5	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°	2427.3	100.0
0°-180°	2427.3	100.0



REPORT NUMBER: P672752

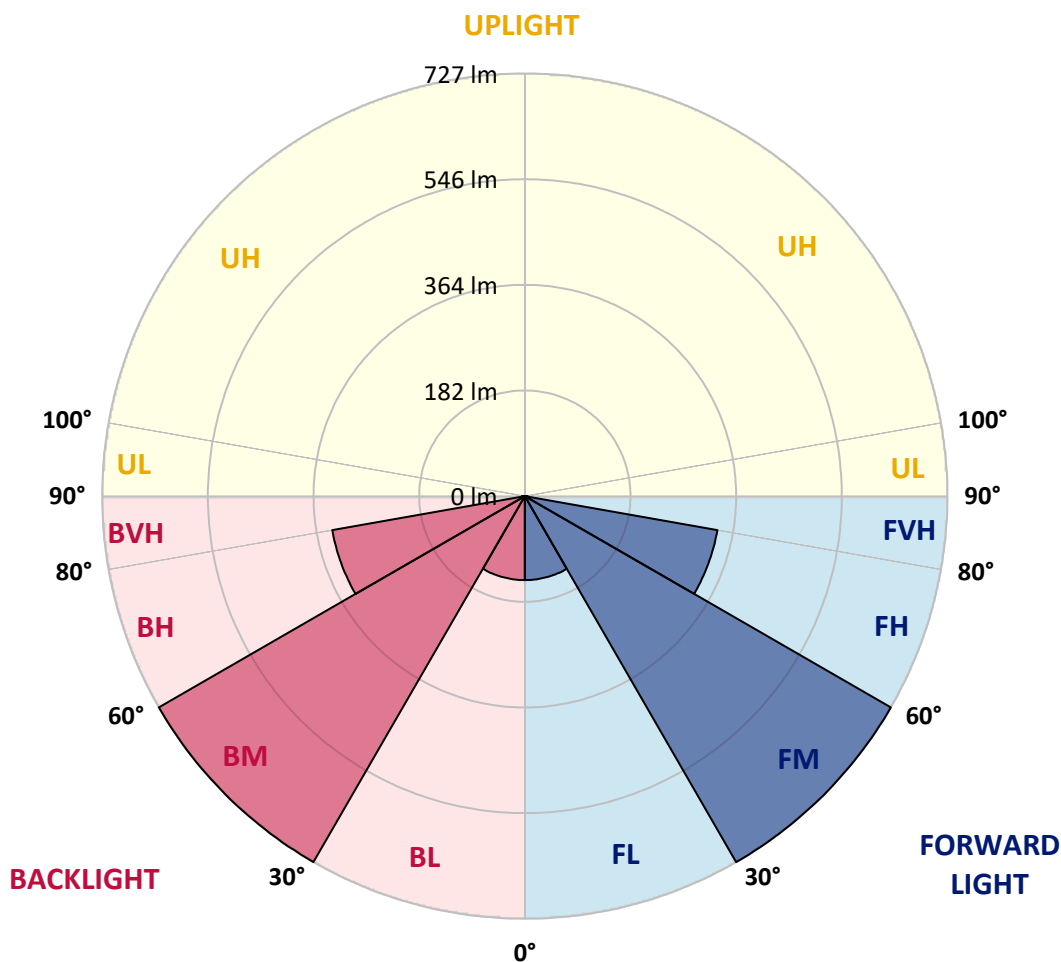
CATALOG NUMBER: CCP-SA-1A-840-U-5NQ

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	144.5	6.0			
FM (30°-60°)	727.4	30.0			
FH (60°-80°)	336.5	13.9			G0/660
FVH (80°-90°)	5.2	0.2			G0/10
BL (0°-30°)	144.5	6.0	B1/500		
BM (30°-60°)	727.4	30.0	B1/1000		
BH (60°-80°)	336.5	13.9	B1/500		G0/660
BVH (80°-90°)	5.2	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: P672752
 CATALOG NUMBER: CCP-SA-1A-840-U-5NQ

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	279.1	279.1	279.1	279.1	279.1	279.1	279.1	279.1	279.1	279.1	279.1
2.5°	280.6	279.8	280.6	280.6	280.1	280.3	279.6	279.4	280.3	279.6	279.4
5°	286.4	285.8	286.4	285.9	285.1	285.2	284.2	283.9	284.9	283.9	284.0
7.5°	293.1	291.9	292.2	292.7	291.9	291.9	291.0	290.5	291.0	290.0	290.7
10°	298.7	297.7	298.2	298.9	298.7	299.2	298.4	298.0	297.5	296.3	297.4
12.5°	306.1	305.7	306.4	307.2	306.9	307.6	305.7	305.2	305.0	303.7	304.9
15°	315.6	314.8	315.9	317.0	316.5	317.7	316.1	315.4	314.6	312.9	313.9
17.5°	325.2	324.5	326.2	326.7	326.9	327.9	326.7	325.7	325.3	324.1	323.5
20°	336.6	335.7	337.1	338.1	337.3	338.5	338.0	337.3	336.9	335.1	334.9
22.5°	349.4	348.2	350.2	351.4	350.2	351.4	350.4	350.2	350.4	347.7	348.0
25°	363.7	363.9	365.9	366.8	366.1	366.8	365.2	366.3	365.8	362.9	361.8
27.5°	382.1	381.5	383.7	386.2	384.5	384.5	383.8	384.9	384.7	382.0	381.3
30°	403.6	403.5	406.7	408.2	405.9	404.8	404.7	407.2	407.4	404.5	403.3
32.5°	426.2	426.2	430.1	432.0	428.5	427.9	427.2	430.6	430.1	426.2	423.6
35°	450.9	449.9	455.2	457.9	454.5	452.4	452.1	455.2	454.5	449.0	445.9
37.5°	475.3	476.0	482.1	485.2	481.1	478.5	479.4	481.4	481.6	475.6	472.4
40°	505.1	505.3	513.0	515.4	510.1	506.2	507.4	512.0	511.6	504.3	500.2
42.5°	538.6	537.9	547.4	549.5	542.3	534.8	538.4	545.6	547.3	539.1	534.8
45°	574.4	575.4	585.3	587.5	576.3	566.7	574.4	585.1	587.4	578.5	573.2
47.5°	617.9	619.1	631.0	631.9	619.1	606.6	616.9	630.9	631.7	619.4	613.3
50°	667.5	671.6	684.9	686.7	674.0	658.0	672.7	685.1	681.9	665.5	659.9
52.5°	723.8	727.1	747.9	755.1	744.0	726.7	738.5	746.2	735.8	714.3	705.6
55°	771.8	777.2	804.9	826.7	835.1	822.1	820.7	809.5	780.5	747.7	738.7
57.5°	785.3	790.5	833.4	889.7	939.3	945.8	915.8	859.3	796.9	746.4	737.2
60°	730.5	737.7	800.3	906.9	1049.3	1108.0	999.5	863.6	754.4	686.7	675.1
62.5°	573.7	587.0	667.9	835.1	1093.7	1255.8	1034.0	790.0	626.3	546.3	530.9
65°	312.0	323.5	412.7	622.3	1003.8	1287.3	949.5	601.5	409.6	329.3	320.9
67.5°	117.0	125.4	166.3	307.6	709.7	1100.5	720.8	344.4	186.0	133.4	121.6
70°	49.8	50.8	60.2	107.1	322.6	716.0	369.0	117.0	62.1	50.2	48.8
72.5°	35.8	36.0	38.6	47.4	98.3	314.1	111.6	49.1	37.9	34.1	34.1
75°	28.7	28.8	30.4	34.3	46.4	92.5	48.1	34.5	29.3	26.8	26.4
77.5°	22.5	22.9	24.4	26.8	31.0	42.3	32.6	27.1	23.5	21.2	20.8
80°	16.7	17.2	19.3	20.5	21.8	28.1	23.7	21.2	18.8	16.2	15.7
82.5°	11.1	11.6	14.3	15.2	15.0	17.7	16.4	16.2	14.3	10.7	10.2
85°	6.7	7.0	9.2	9.9	9.2	8.7	10.4	11.3	10.1	7.0	6.5
87.5°	2.9	2.9	4.1	4.3	4.1	3.2	4.9	5.8	6.0	3.6	3.2
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)