

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: P672764

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

Issue Date: 04/16/2023



Test Information

Test Method: LM-79-08
Report Number: P672764
Test Lab: INNOVATION CENTER(G2)
Issue Date: 04/16/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCP-SA-1B-850-U-5NQ
Description: INVUE CLEAR CURVE POLE MOUNT LIGHT SQUARE LUMINAIRE @450mA w/ 5NQ
distribution lens
Light Source: (16) 5000K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

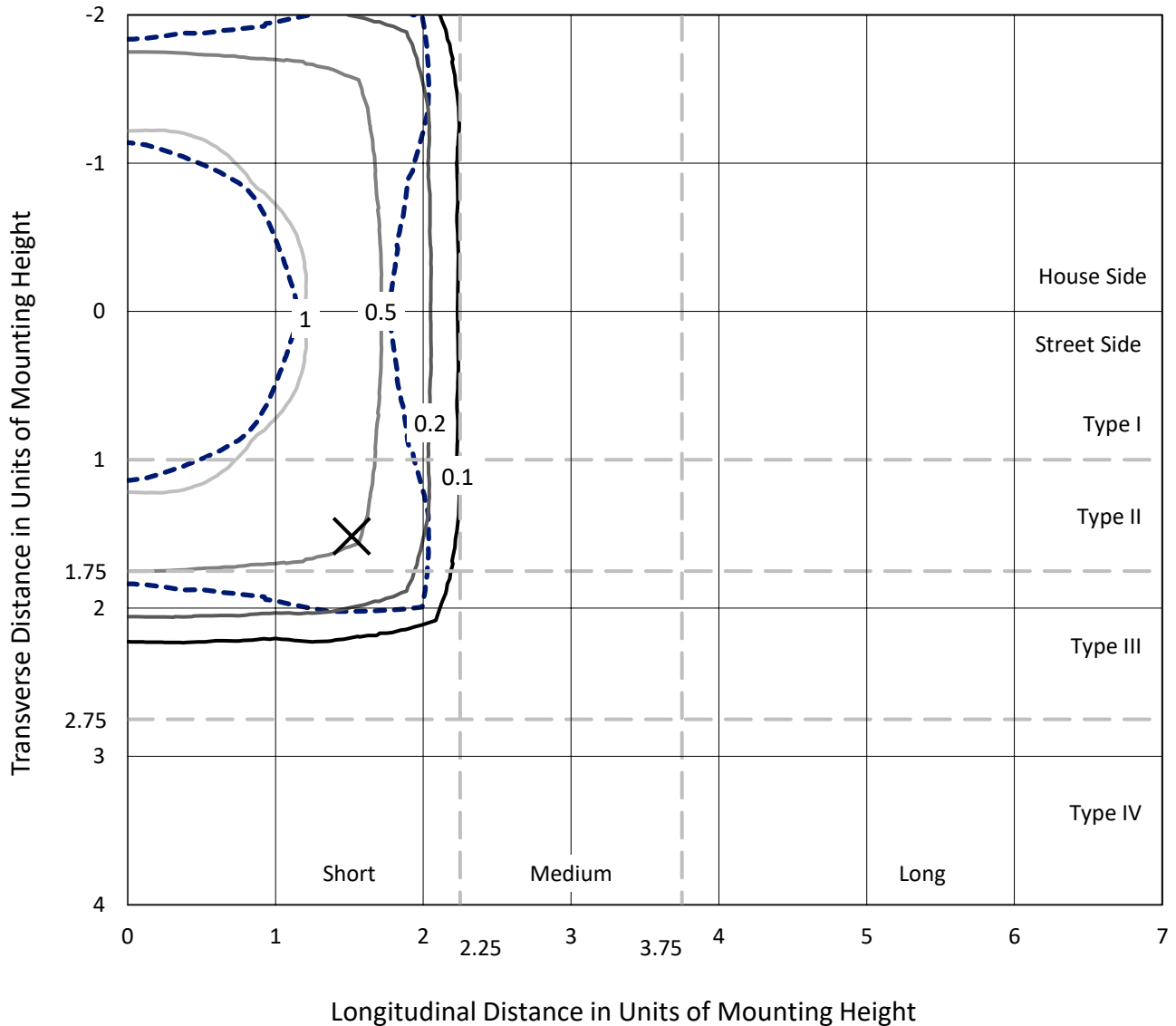
Lumens per Lamp: N/A
Luminaire Lumens: 3136 lumens
Efficiency: N/A
Efficacy: 130.7 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B1 - U0 - G0

Input Watts (W): 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

REPORT NUMBER: P672764
 CATALOG NUMBER: CCP-SA-1B-850-U-5NQ

Iso-Footcandle Lines of Horizontal Illumination

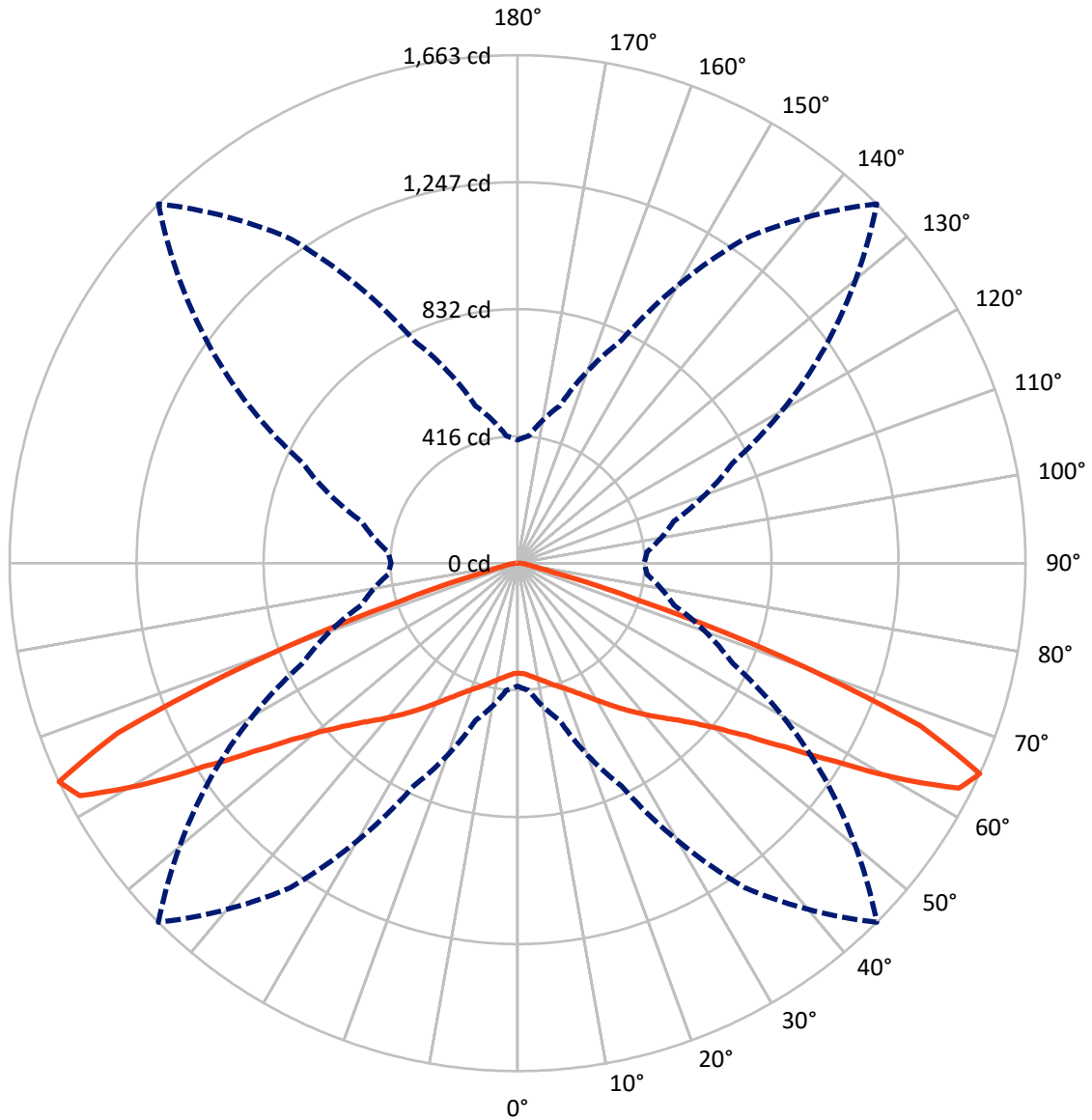
× Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 1.6 fc
 Type V - Short - N/A

REPORT NUMBER: P672764
CATALOG NUMBER: CCP-SA-1B-850-U-5NQ

Luminous Intensity Polar Plot



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

REPORT NUMBER: P672764

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

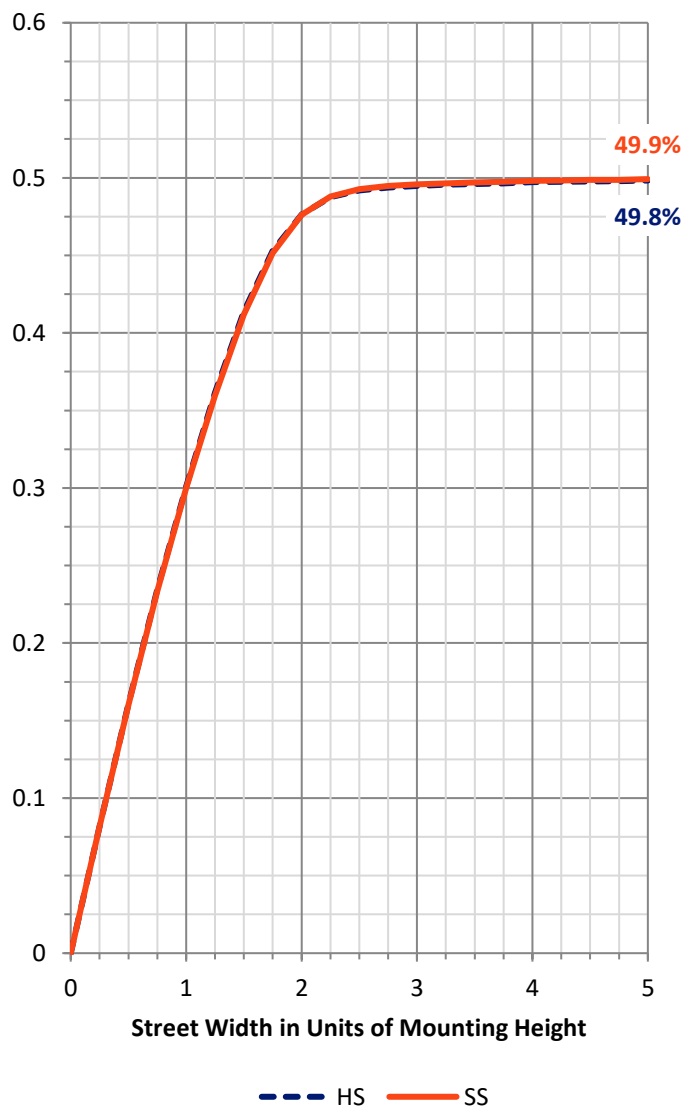
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1568.0	0.0	1568.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	1568.0	0.0	1568.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	3136.0	0.0	3136.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	35.7	1.1
10°-20°	116.6	3.7
20°-30°	221.1	7.1
30°-40°	370.8	11.8
40°-50°	586.8	18.7
50°-60°	921.9	29.4
60°-70°	778.9	24.8
70°-80°	90.7	2.9
80°-90°	13.5	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°	3136.0	100.0
0°-180°	3136.0	100.0



REPORT NUMBER: P672764

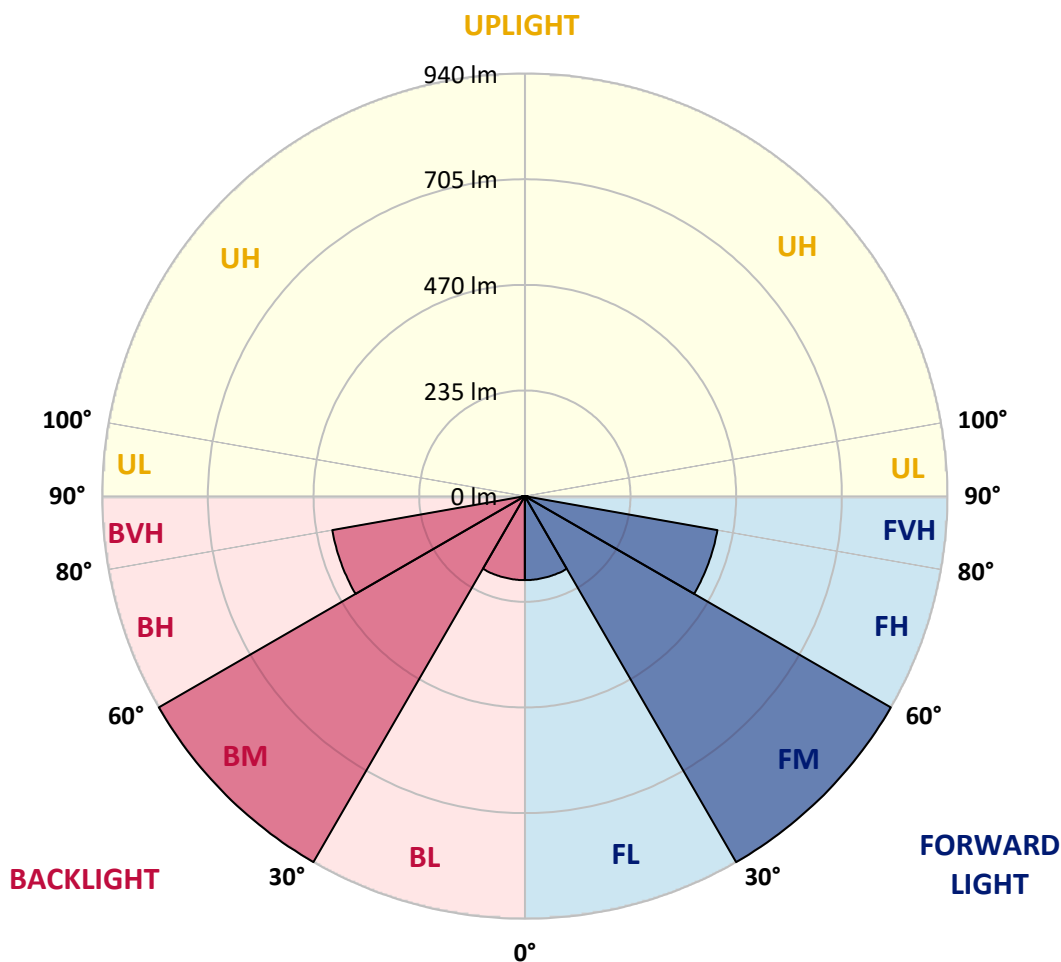
CATALOG NUMBER: CCP-SA-1B-850-U-5NQ

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	186.7	6.0			
FM (30°-60°)	939.8	30.0			
FH (60°-80°)	434.8	13.9			G0/660
FVH (80°-90°)	6.7	0.2			G0/10
BL (0°-30°)	186.7	6.0	B1/500		
BM (30°-60°)	939.8	30.0	B1/1000		
BH (60°-80°)	434.8	13.9	B1/500		G0/660
BVH (80°-90°)	6.7	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: P672764
 CATALOG NUMBER: CCP-SA-1B-850-U-5NQ

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	360.6	360.6	360.6	360.6	360.6	360.6	360.6	360.6	360.6	360.6	360.6
2.5°	362.6	361.5	362.6	362.6	361.9	362.1	361.2	361.0	362.1	361.2	361.0
5°	370.1	369.2	370.1	369.4	368.3	368.5	367.2	366.8	368.1	366.8	367.0
7.5°	378.7	377.1	377.6	378.2	377.1	377.1	376.0	375.4	376.0	374.7	375.6
10°	385.9	384.6	385.3	386.2	385.9	386.6	385.5	385.1	384.4	382.8	384.2
12.5°	395.4	395.0	395.9	397.0	396.5	397.4	395.0	394.3	394.1	392.3	393.9
15°	407.8	406.7	408.2	409.5	408.9	410.4	408.4	407.5	406.4	404.2	405.6
17.5°	420.1	419.2	421.4	422.1	422.3	423.6	422.1	420.8	420.3	418.8	417.9
20°	434.9	433.8	435.5	436.8	435.7	437.3	436.6	435.7	435.3	432.9	432.7
22.5°	451.4	449.9	452.5	454.0	452.5	454.0	452.7	452.5	452.7	449.2	449.6
25°	469.9	470.1	472.8	473.9	473.0	473.9	471.9	473.2	472.6	468.8	467.5
27.5°	493.7	492.8	495.7	499.0	496.8	496.8	495.9	497.2	497.0	493.5	492.6
30°	521.5	521.3	525.5	527.4	524.4	523.0	522.8	526.1	526.3	522.6	521.0
32.5°	550.6	550.6	555.6	558.1	553.7	552.8	551.9	556.3	555.6	550.6	547.3
35°	582.5	581.2	588.0	591.6	587.2	584.5	584.1	588.0	587.2	580.1	576.1
37.5°	614.1	614.9	622.9	626.8	621.6	618.2	619.3	622.0	622.2	614.5	610.3
40°	652.6	652.8	662.8	665.9	659.0	654.0	655.5	661.4	661.0	651.5	646.2
42.5°	695.8	694.9	707.3	709.9	700.7	691.0	695.6	704.9	707.1	696.5	691.0
45°	742.1	743.4	756.2	759.1	744.5	732.2	742.1	756.0	758.9	747.4	740.6
47.5°	798.3	799.9	815.3	816.4	799.9	783.8	797.0	815.1	816.2	800.3	792.4
50°	862.5	867.7	884.9	887.1	870.8	850.1	869.1	885.2	881.0	859.8	852.5
52.5°	935.2	939.4	966.3	975.5	961.2	938.9	954.1	964.1	950.6	922.9	911.6
55°	997.1	1004.2	1039.9	1068.1	1078.9	1062.1	1060.4	1045.8	1008.4	966.1	954.4
57.5°	1014.5	1021.4	1076.7	1149.4	1213.6	1221.9	1183.2	1110.2	1029.5	964.3	952.4
60°	943.8	953.0	1033.9	1171.7	1355.7	1431.6	1291.4	1115.7	974.6	887.1	872.2
62.5°	741.2	758.4	862.9	1078.9	1413.0	1622.4	1335.9	1020.7	809.1	705.7	685.9
65°	403.1	417.9	533.2	804.0	1296.9	1663.2	1226.8	777.2	529.2	425.4	414.6
67.5°	151.2	162.0	214.9	397.4	916.9	1421.9	931.2	445.0	240.2	172.4	157.2
70°	64.4	65.7	77.8	138.4	416.8	925.1	476.7	151.2	80.2	64.8	63.0
72.5°	46.3	46.5	49.8	61.3	127.0	405.8	144.1	63.5	48.9	44.1	44.1
75°	37.0	37.2	39.2	44.3	60.0	119.5	62.2	44.5	37.9	34.6	34.2
77.5°	29.1	29.5	31.5	34.6	40.1	54.7	42.1	35.0	30.4	27.3	26.9
80°	21.6	22.3	24.9	26.4	28.2	36.4	30.6	27.3	24.2	20.9	20.3
82.5°	14.3	15.0	18.5	19.6	19.4	22.9	21.2	20.9	18.5	13.9	13.2
85°	8.6	9.0	11.9	12.8	11.9	11.2	13.4	14.5	13.0	9.0	8.4
87.5°	3.7	3.7	5.3	5.5	5.3	4.2	6.4	7.5	7.7	4.6	4.2
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)