

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: P672448

Luminaire Tested: **CCP-SA-2A-830-U-5WQ**

Issue Date: 04/16/2023

Test Information

Test Method: LM-79-08
Report Number: P672448
Test Lab: INNOVATION CENTER(G2)
Issue Date: 04/16/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCP-SA-2A-830-U-5WQ
Description: INVUE CLEAR CURVE POLE MOUNT LIGHT SQUARE LUMINAIRE @350mA w/ 5WQ
distribution lens
Light Source: (32) 3000K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4556.9 lumens
Efficiency: N/A
Efficacy: 125.9 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B3 - U0 - G1

Input Watts (W): 36.2
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

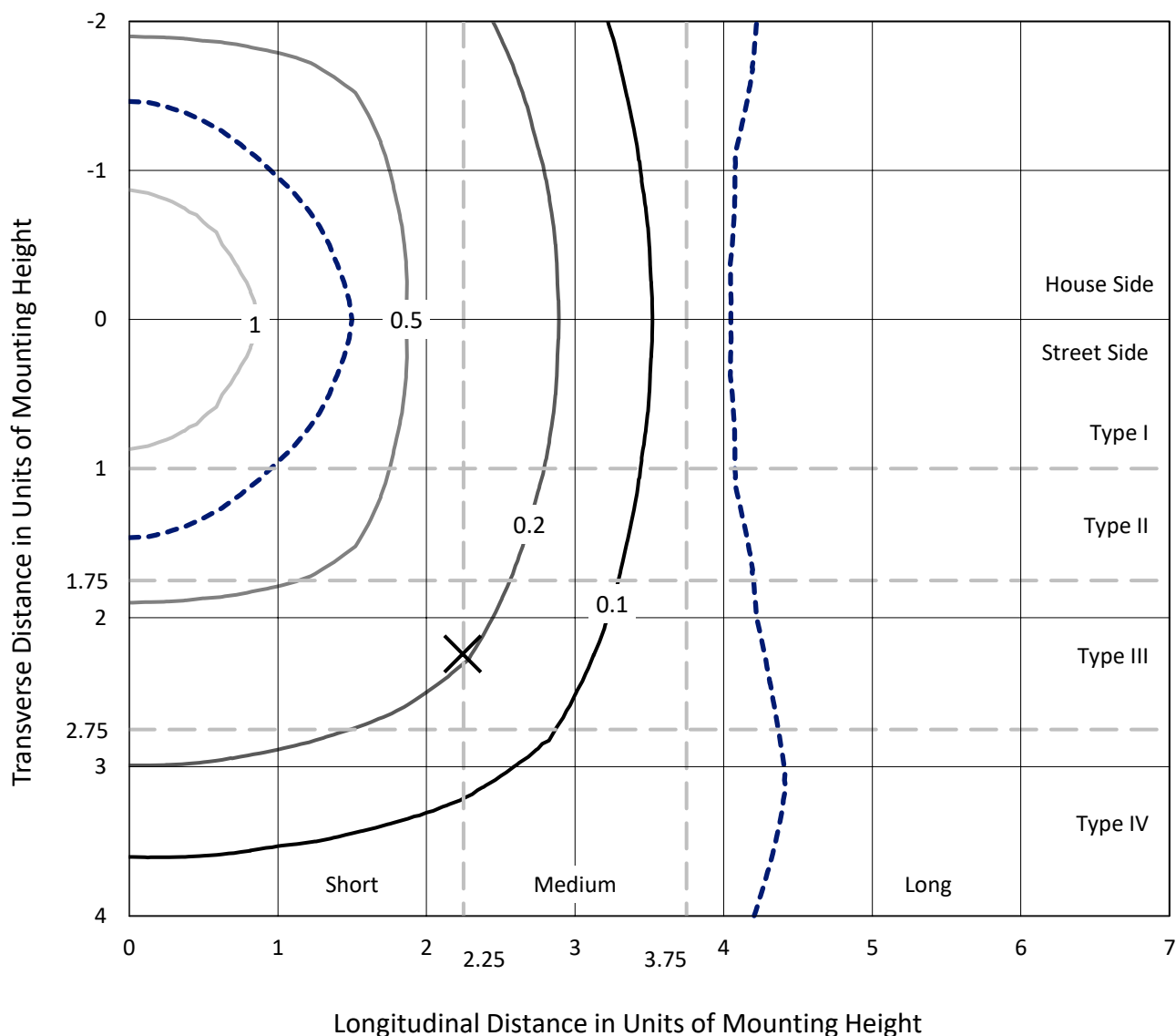
REPORT NUMBER: P672448

CATALOG NUMBER: CCP-SA-2A-830-U-5WQ

Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd



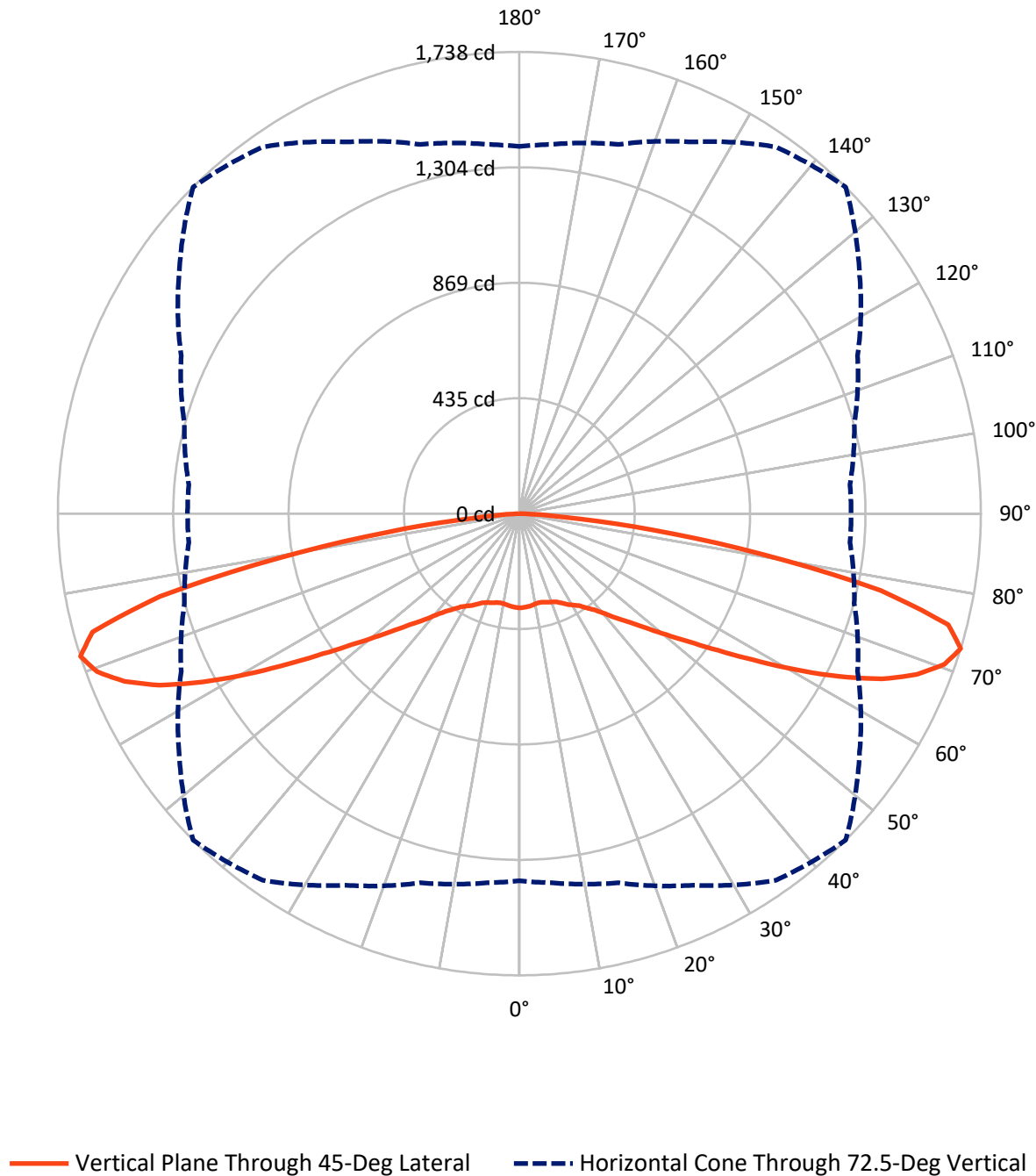
Based on 15 foot mounting height. Maximum calculated value = 1.6 fc

Type V - Short - N/A

REPORT NUMBER: P672448

CATALOG NUMBER: CCP-SA-2A-830-U-5WQ

Luminous Intensity Polar Plot



REPORT NUMBER: P672448

CATALOG NUMBER: CCP-SA-2A-830-U-5WQ

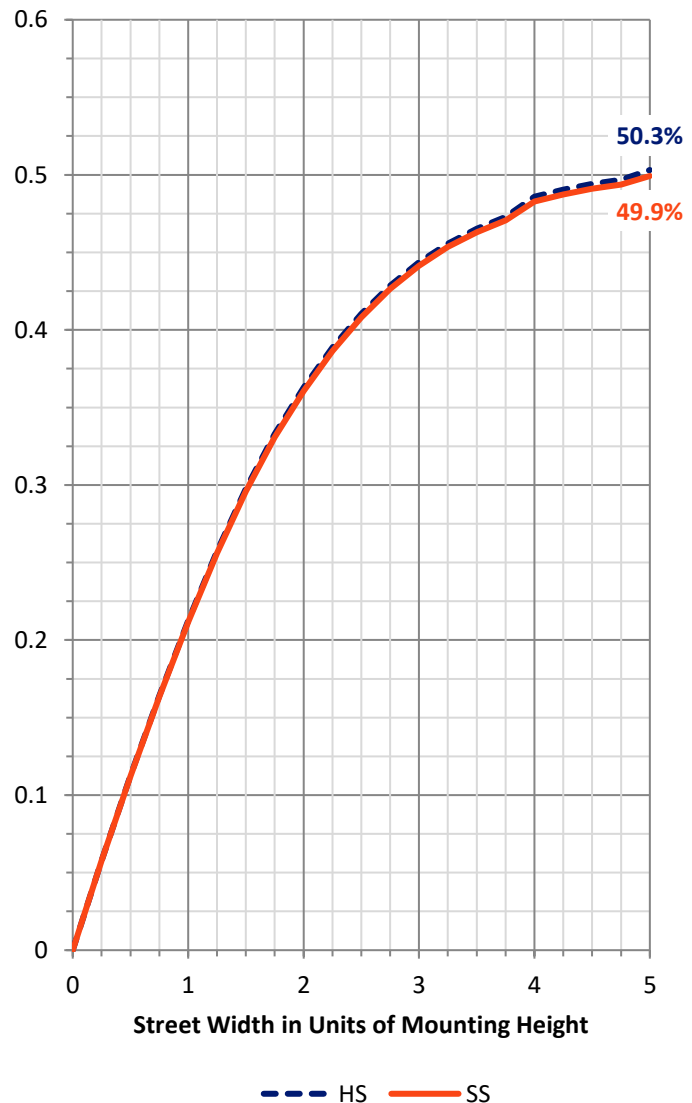
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2278.4	0.0	2278.4
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	2278.4	0.0	2278.4
	% Fixture	50.0	0.0	50.0
Total	Lumens	4556.9	0.0	4556.9
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	33.3	0.7
10°-20°	99.0	2.2
20°-30°	173.9	3.8
30°-40°	277.4	6.1
40°-50°	463.8	10.2
50°-60°	793.7	17.4
60°-70°	1310.3	28.8
70°-80°	1255.8	27.6
80°-90°	149.8	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°	4556.9	100.0
0°-180°	4556.9	100.0



REPORT NUMBER: P672448

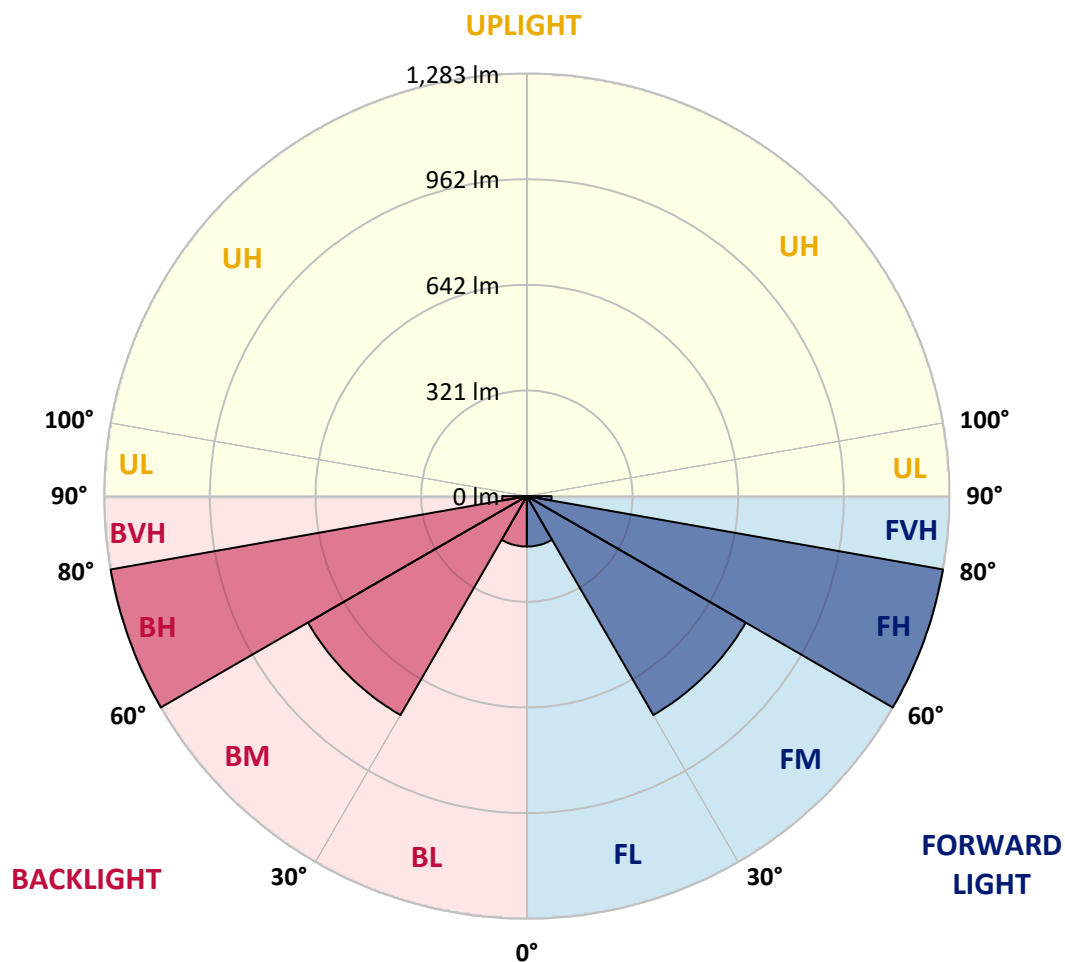
CATALOG NUMBER: CCP-SA-2A-830-U-5WQ

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	153.1	3.4			
FM	(30°-60°)	767.4	16.8			
FH	(60°-80°)	1283.0	28.2			G1/1800
FVH	(80°-90°)	74.9	1.6			G1/100
BL	(0°-30°)	153.1	3.4	B1/500		
BM	(30°-60°)	767.4	16.8	B1/1000		
BH	(60°-80°)	1283.0	28.2	B3/2500		G1/1800
BVH	(80°-90°)	74.9	1.6			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G1

Type V Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	354.9	354.9	354.9	354.9	354.9	354.9	354.9	354.9	354.9	354.9	354.9
2.5°	352.6	352.6	353.6	353.9	353.6	353.3	352.9	352.6	353.6	353.3	353.6
5°	351.7	351.7	352.0	352.3	351.7	351.4	350.7	350.4	351.0	351.0	351.7
7.5°	349.1	348.8	349.1	349.4	348.5	348.2	347.2	347.2	347.2	346.9	347.5
10°	346.9	346.3	346.3	345.6	344.0	344.4	343.1	344.0	345.6	345.9	346.3
12.5°	347.9	347.2	346.6	345.0	342.8	343.1	342.8	343.7	345.9	347.2	348.2
15°	352.3	351.7	350.1	347.2	345.9	345.9	345.3	345.6	348.8	350.7	351.7
17.5°	357.1	355.8	352.9	351.0	349.8	350.7	348.5	348.2	350.7	353.6	354.5
20°	360.9	359.9	356.4	354.2	354.2	355.2	352.9	351.7	354.5	358.0	359.0
22.5°	367.6	366.9	363.4	361.2	361.2	361.5	360.3	359.3	362.5	366.0	366.9
25°	377.1	377.1	373.6	372.7	372.3	373.0	371.4	370.4	373.3	375.8	376.8
27.5°	388.2	387.3	384.4	383.8	385.1	387.3	384.4	381.9	384.1	386.3	386.6
30°	400.0	400.0	397.5	397.5	398.4	399.4	396.8	394.3	396.5	399.1	399.4
32.5°	416.5	415.6	414.6	414.9	414.6	413.4	412.1	411.8	413.7	415.3	415.9
35°	436.9	436.6	435.3	435.9	435.9	435.9	432.1	430.8	434.0	435.3	434.7
37.5°	468.4	468.0	464.9	463.0	460.7	459.8	455.0	454.7	462.3	466.1	465.5
40°	506.8	505.6	502.7	499.5	496.7	494.8	490.0	493.5	501.4	504.3	504.3
42.5°	548.8	547.2	544.0	542.5	540.5	538.6	532.3	533.9	543.4	546.3	543.1
45°	600.3	598.1	594.6	591.1	588.2	584.4	581.2	582.8	593.0	596.5	594.0
47.5°	655.0	654.4	651.5	648.7	646.1	643.6	639.4	642.3	651.2	650.6	645.5
50°	712.9	714.2	714.5	717.3	715.4	715.7	708.1	706.5	713.5	709.4	703.0
52.5°	775.2	777.1	783.8	789.5	800.0	801.3	791.7	781.6	780.3	769.5	762.8
55°	847.4	847.1	861.7	877.6	900.8	908.1	886.8	867.7	857.2	836.3	829.3
57.5°	929.1	928.2	950.4	978.4	1020.4	1038.5	999.4	963.1	937.7	912.6	905.3
60°	1017.8	1020.0	1047.1	1092.5	1165.0	1190.2	1131.0	1070.9	1032.1	999.4	996.5
62.5°	1121.5	1121.8	1153.6	1215.3	1309.4	1349.8	1268.4	1187.0	1137.7	1101.8	1094.1
65°	1243.9	1246.1	1280.1	1342.5	1450.6	1500.5	1406.7	1307.5	1249.3	1200.6	1199.7
67.5°	1369.5	1368.2	1399.4	1465.5	1569.8	1615.9	1517.7	1407.0	1331.3	1270.6	1262.7
70°	1449.9	1456.9	1490.6	1553.9	1653.8	1698.6	1579.0	1445.5	1366.3	1310.7	1306.9
72.5°	1382.2	1395.2	1438.8	1543.7	1685.2	1738.3	1564.4	1405.7	1305.9	1249.9	1249.9
75°	1122.1	1143.7	1204.5	1366.0	1576.5	1668.4	1448.3	1230.2	1084.9	1025.1	1025.1
77.5°	683.6	704.3	786.3	983.5	1273.1	1390.8	1180.6	926.6	758.4	685.2	675.7
80°	227.3	240.7	321.1	499.8	781.6	925.6	791.1	526.2	339.6	258.8	257.6
82.5°	60.4	65.8	91.6	145.0	339.3	501.4	361.8	173.6	99.5	77.3	71.2
85°	21.0	22.6	38.8	48.3	86.2	166.0	100.8	63.0	48.3	29.3	27.3
87.5°	6.0	6.7	15.6	16.9	24.8	19.4	27.3	25.1	22.9	9.5	8.6
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)