

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: P672659

Luminaire Tested: **CCP-SA-2A-727-U-5NQ**

Issue Date: 04/16/2023

Test Information

Test Method: LM-79-08
Report Number: P672659
Test Lab: INNOVATION CENTER(G2)
Issue Date: 04/16/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCP-SA-2A-727-U-5NQ
Description: INVUE CLEAR CURVE POLE MOUNT LIGHT SQUARE LUMINAIRE @350mA w/ 5NQ
distribution lens
Light Source: (32) 2700K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4761.8 lumens
Efficiency: N/A
Efficacy: 131.5 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B2 - U0 - G1

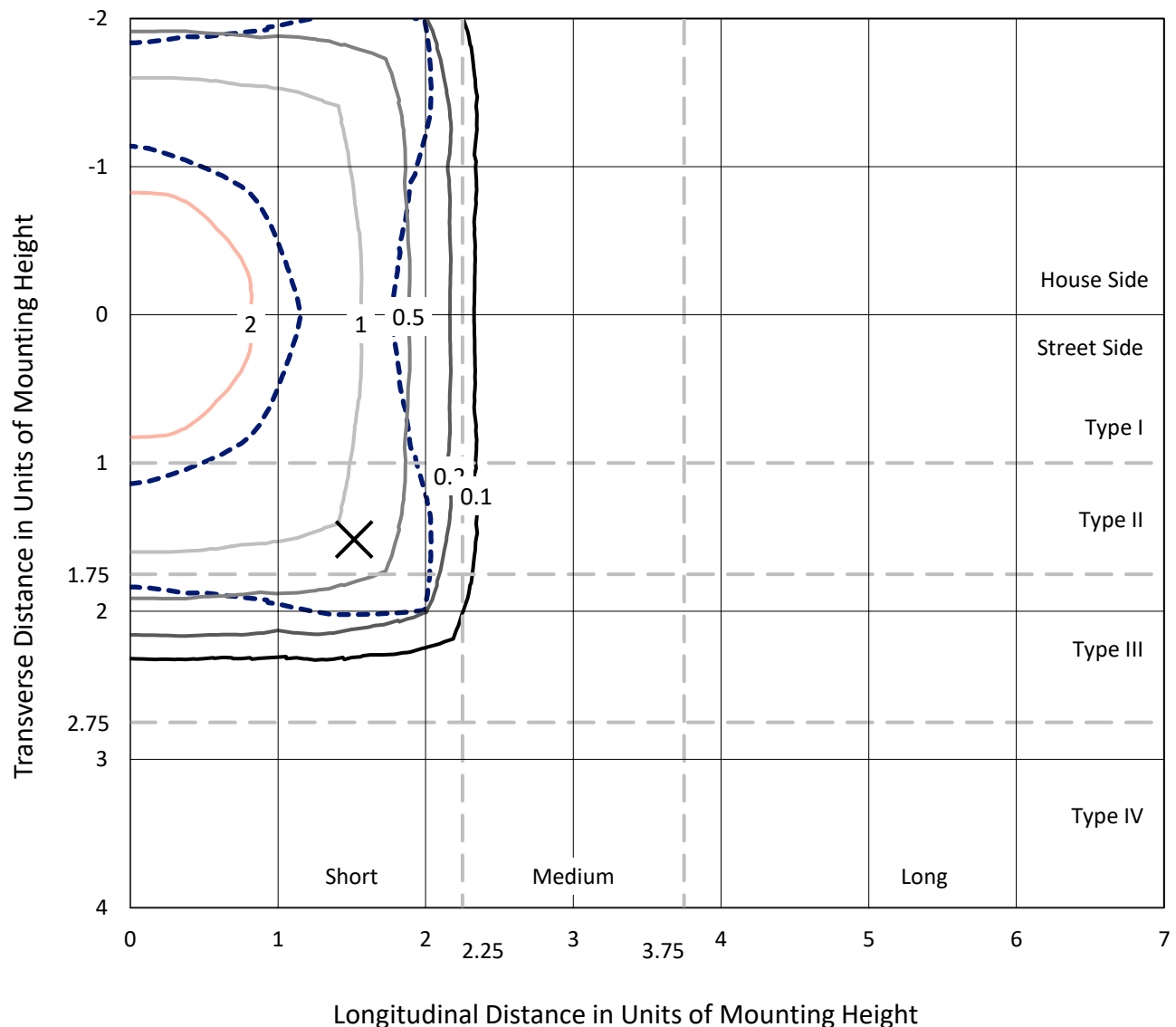
Input Watts (W): 36.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT

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Iso-Footcandle Lines of Horizontal Illumination

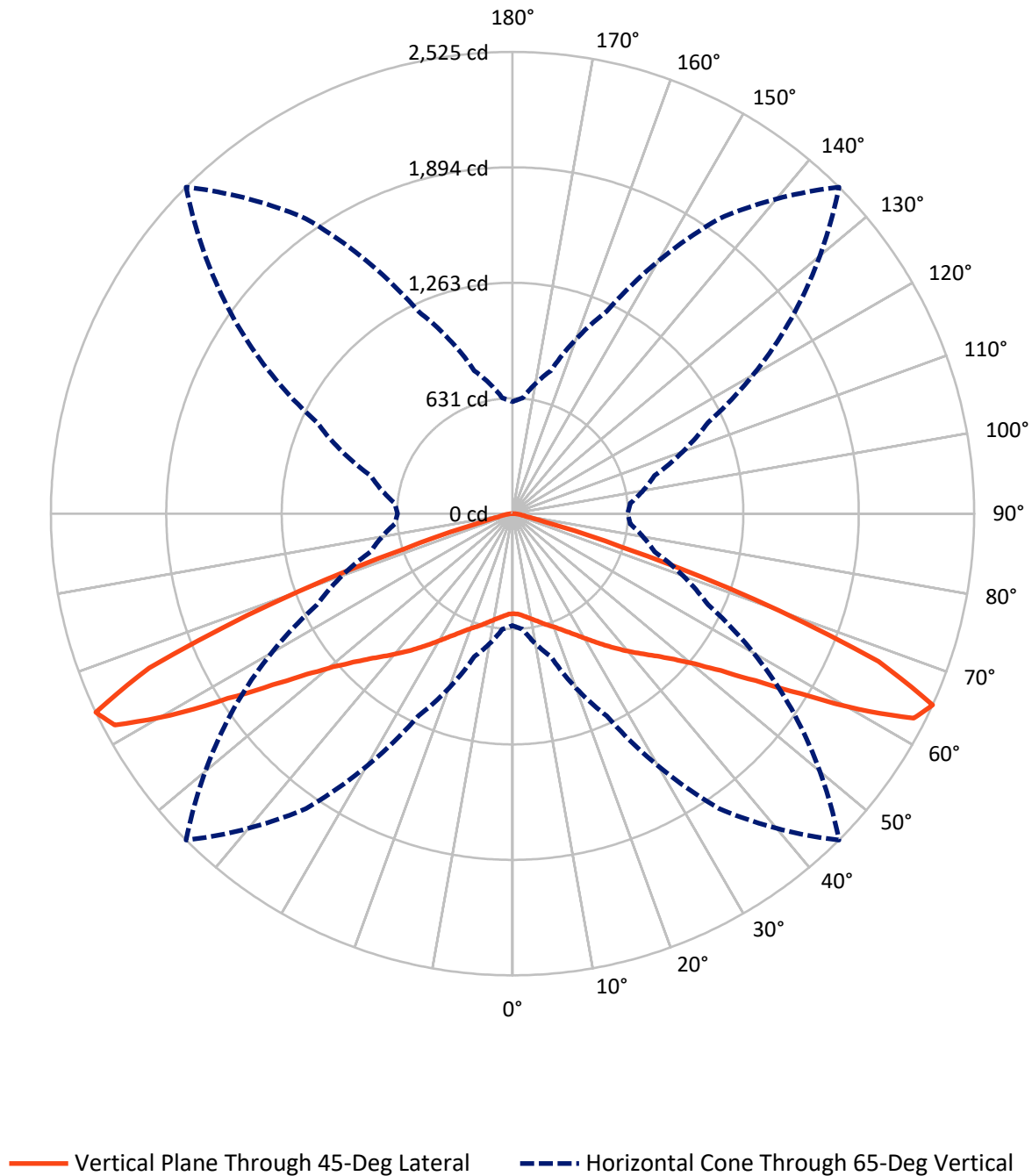
× Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 2.5 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2380.9	0.0	2380.9
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	2380.9	0.0	2380.9
	% Fixture	50.0	0.0	50.0
Total	Lumens	4761.8	0.0	4761.8
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	54.2	1.1
10°-20°	177.0	3.7
20°-30°	335.7	7.1
30°-40°	563.1	11.8
40°-50°	891.0	18.7
50°-60°	1399.8	29.4
60°-70°	1182.7	24.8
70°-80°	137.7	2.9
80°-90°	20.5	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°	4761.8	100.0
0°-180°	4761.8	100.0

Coefficient of Utilization



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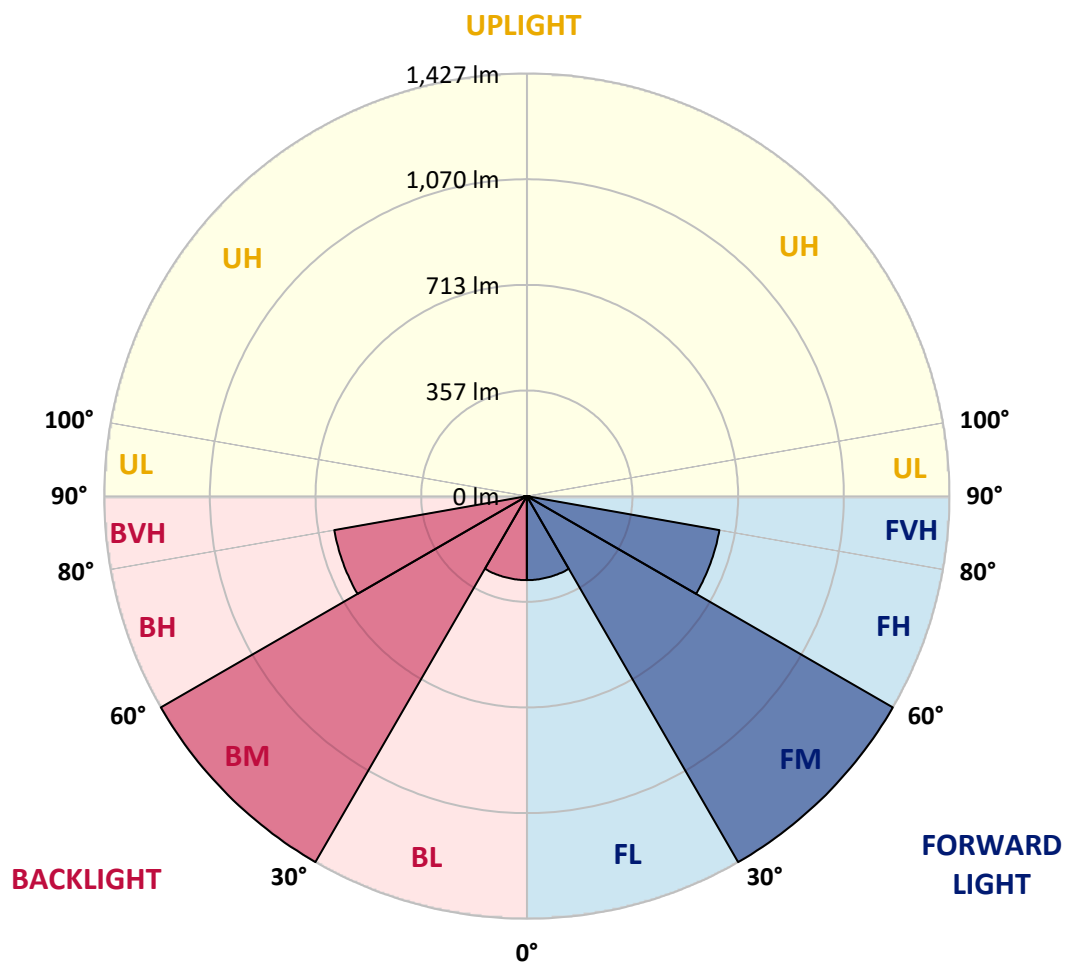
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	283.5	6.0			
FM	(30°-60°)	1426.9	30.0			
FH	(60°-80°)	660.2	13.9			G1/1800
FVH	(80°-90°)	10.3	0.2			G1/100
BL	(0°-30°)	283.5	6.0	B1/500		
BM	(30°-60°)	1426.9	30.0	B2/2500		
BH	(60°-80°)	660.2	13.9	B2/1000		G1/1800
BVH	(80°-90°)	10.3	0.2			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





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	547.5	547.5	547.5	547.5	547.5	547.5	547.5	547.5	547.5	547.5	547.5
2.5°	550.5	548.9	550.5	550.5	549.5	549.9	548.5	548.2	549.9	548.5	548.2
5°	561.9	560.6	561.9	560.9	559.2	559.6	557.6	556.9	558.9	556.9	557.2
7.5°	575.0	572.6	573.3	574.3	572.6	572.6	571.0	569.9	571.0	568.9	570.3
10°	586.0	584.0	585.0	586.3	586.0	587.0	585.3	584.7	583.7	581.3	583.3
12.5°	600.4	599.7	601.1	602.7	602.1	603.4	599.7	598.7	598.4	595.7	598.1
15°	619.1	617.5	619.8	621.8	620.8	623.2	620.1	618.8	617.1	613.8	615.8
17.5°	637.9	636.5	639.9	640.9	641.2	643.2	640.9	638.9	638.2	635.9	634.5
20°	660.3	658.6	661.3	663.3	661.6	664.0	663.0	661.6	661.0	657.3	657.0
22.5°	685.4	683.1	687.1	689.4	687.1	689.4	687.4	687.1	687.4	682.1	682.7
25°	713.5	713.9	717.9	719.5	718.2	719.5	716.5	718.5	717.5	711.8	709.8
27.5°	749.7	748.3	752.7	757.7	754.4	754.4	753.0	755.0	754.7	749.3	748.0
30°	791.8	791.5	797.9	800.9	796.2	794.2	793.8	798.9	799.2	793.5	791.2
32.5°	836.0	836.0	843.7	847.4	840.7	839.4	838.0	844.7	843.7	836.0	831.0
35°	884.5	882.5	892.9	898.3	891.6	887.6	886.9	892.9	891.6	880.9	874.8
37.5°	932.4	933.7	945.8	951.8	943.8	938.8	940.4	944.4	944.8	933.1	926.7
40°	991.0	991.3	1006.4	1011.0	1000.7	993.0	995.3	1004.4	1003.7	989.3	981.3
42.5°	1056.6	1055.2	1074.0	1078.0	1063.9	1049.2	1056.2	1070.3	1073.6	1057.6	1049.2
45°	1126.8	1128.8	1148.3	1152.6	1130.5	1111.8	1126.8	1147.9	1152.3	1134.9	1124.5
47.5°	1212.2	1214.5	1238.0	1239.6	1214.5	1190.1	1210.2	1237.6	1239.3	1215.2	1203.1
50°	1309.6	1317.6	1343.7	1347.1	1322.3	1290.8	1319.6	1344.0	1337.7	1305.6	1294.5
52.5°	1420.0	1426.4	1467.2	1481.3	1459.5	1425.7	1448.8	1463.9	1443.4	1401.3	1384.2
55°	1514.1	1524.8	1579.0	1621.8	1638.2	1612.8	1610.1	1588.0	1531.1	1466.9	1449.1
57.5°	1540.5	1550.9	1634.9	1745.3	1842.7	1855.4	1796.5	1685.7	1563.3	1464.2	1446.1
60°	1433.1	1447.1	1569.9	1779.1	2058.6	2173.7	1960.8	1694.1	1479.9	1347.1	1324.3
62.5°	1125.5	1151.6	1310.2	1638.2	2145.6	2463.5	2028.4	1549.9	1228.6	1071.6	1041.5
65°	612.1	634.5	809.6	1220.9	1969.2	2525.4	1862.8	1180.1	803.5	645.9	629.5
67.5°	229.6	246.0	326.3	603.4	1392.2	2159.0	1414.0	675.7	364.8	261.7	238.6
70°	97.7	99.7	118.1	210.2	632.9	1404.6	723.9	229.6	121.8	98.4	95.7
72.5°	70.3	70.6	75.6	93.0	192.8	616.1	218.9	96.4	74.3	66.9	66.9
75°	56.2	56.6	59.6	67.3	91.0	181.4	94.4	67.6	57.6	52.5	51.9
77.5°	44.2	44.8	47.9	52.5	60.9	83.0	63.9	53.2	46.2	41.5	40.8
80°	32.8	33.8	37.8	40.2	42.8	55.2	46.5	41.5	36.8	31.8	30.8
82.5°	21.8	22.8	28.1	29.8	29.5	34.8	32.1	31.8	28.1	21.1	20.1
85°	13.1	13.7	18.1	19.4	18.1	17.1	20.4	22.1	19.7	13.7	12.7
87.5°	5.7	5.7	8.0	8.4	8.0	6.4	9.7	11.4	11.7	7.0	6.4
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)