

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: P672733

Luminaire Tested: **CCP-SA-1D-830-U-5NQ**

Issue Date: 04/16/2023

Test Information

Test Method: LM-79-08
Report Number: P672733
Test Lab: INNOVATION CENTER(G2)
Issue Date: 04/16/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCP-SA-1D-830-U-5NQ
Description: INVUE CLEAR CURVE POLE MOUNT LIGHT SQUARE LUMINAIRE @800mA w/ 5NQ
distribution lens
Light Source: (16) 3000K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4611.4 lumens
Efficiency: N/A
Efficacy: 104.8 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B2 - U0 - G0

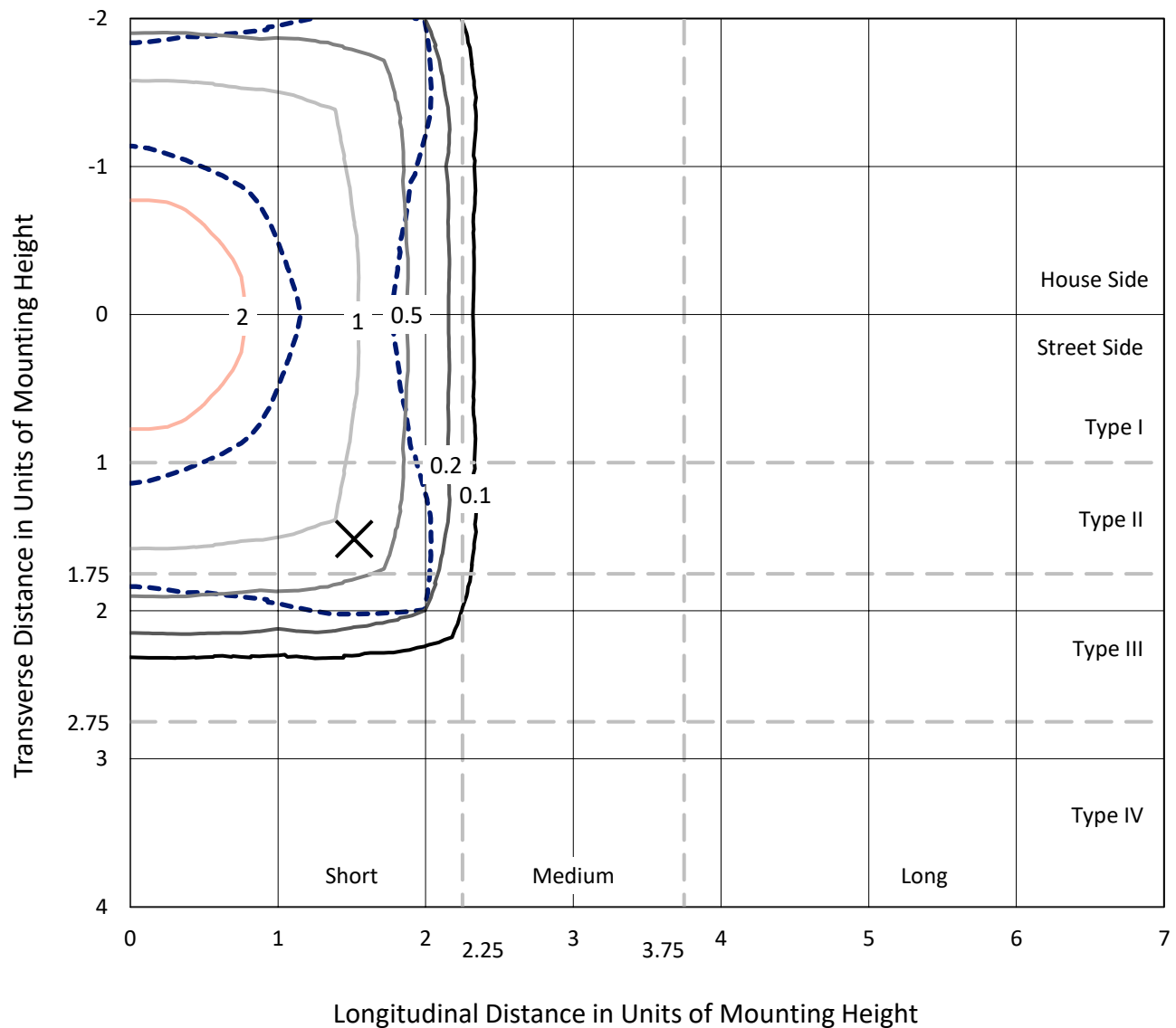
Input Watts (W): 44
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT

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Iso-Footcandle Lines of Horizontal Illumination

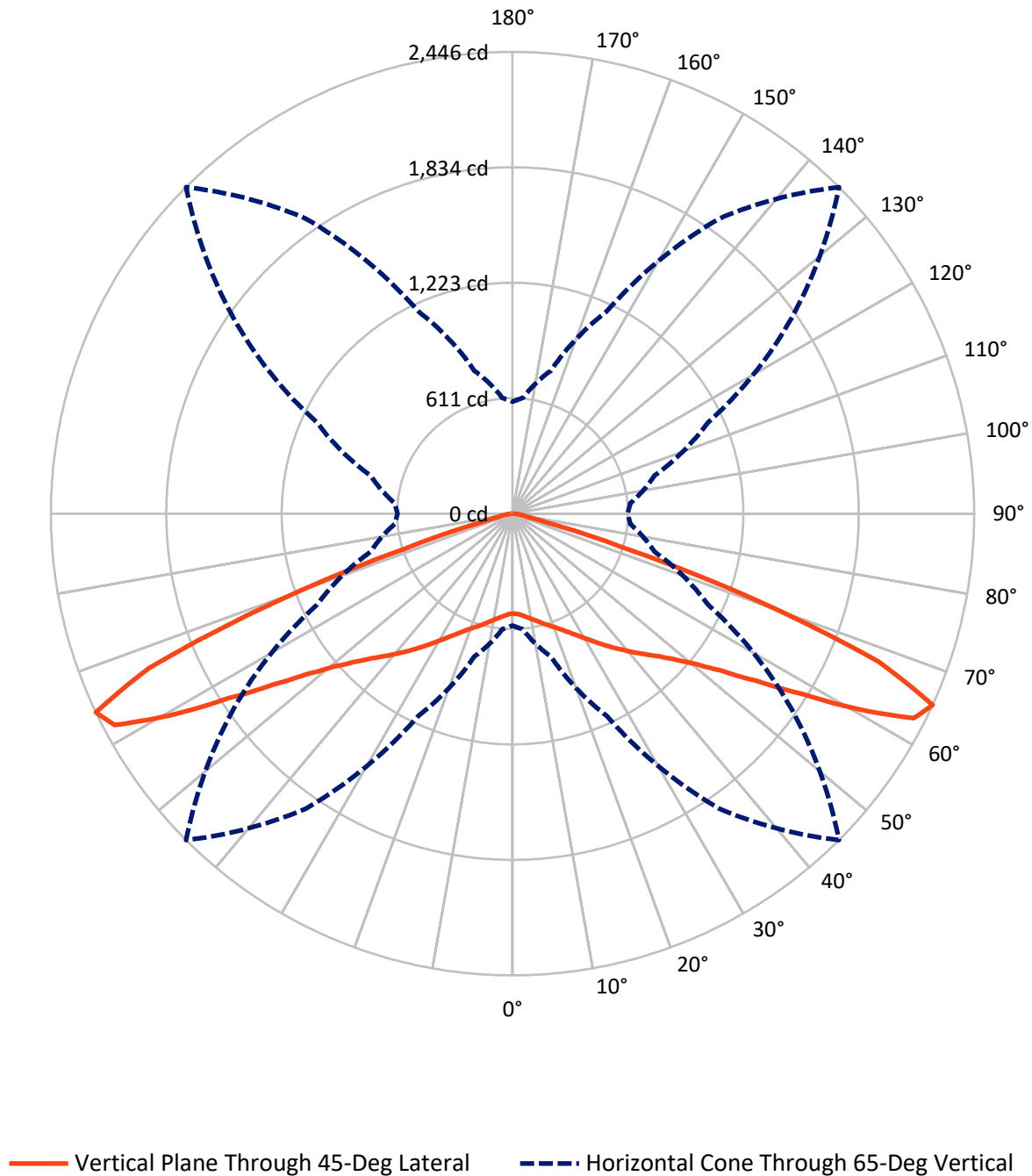
× Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 2.4 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	2305.7	0.0	2305.7
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	2305.7	0.0	2305.7
	% Fixture	50.0	0.0	50.0
Total	Lumens	4611.4	0.0	4611.4
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	52.5	1.1
10°-20°	171.4	3.7
20°-30°	325.1	7.1
30°-40°	545.3	11.8
40°-50°	862.9	18.7
50°-60°	1355.6	29.4
60°-70°	1145.4	24.8
70°-80°	133.4	2.9
80°-90°	19.9	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°	4611.4	100.0
0°-180°	4611.4	100.0

Coefficient of Utilization



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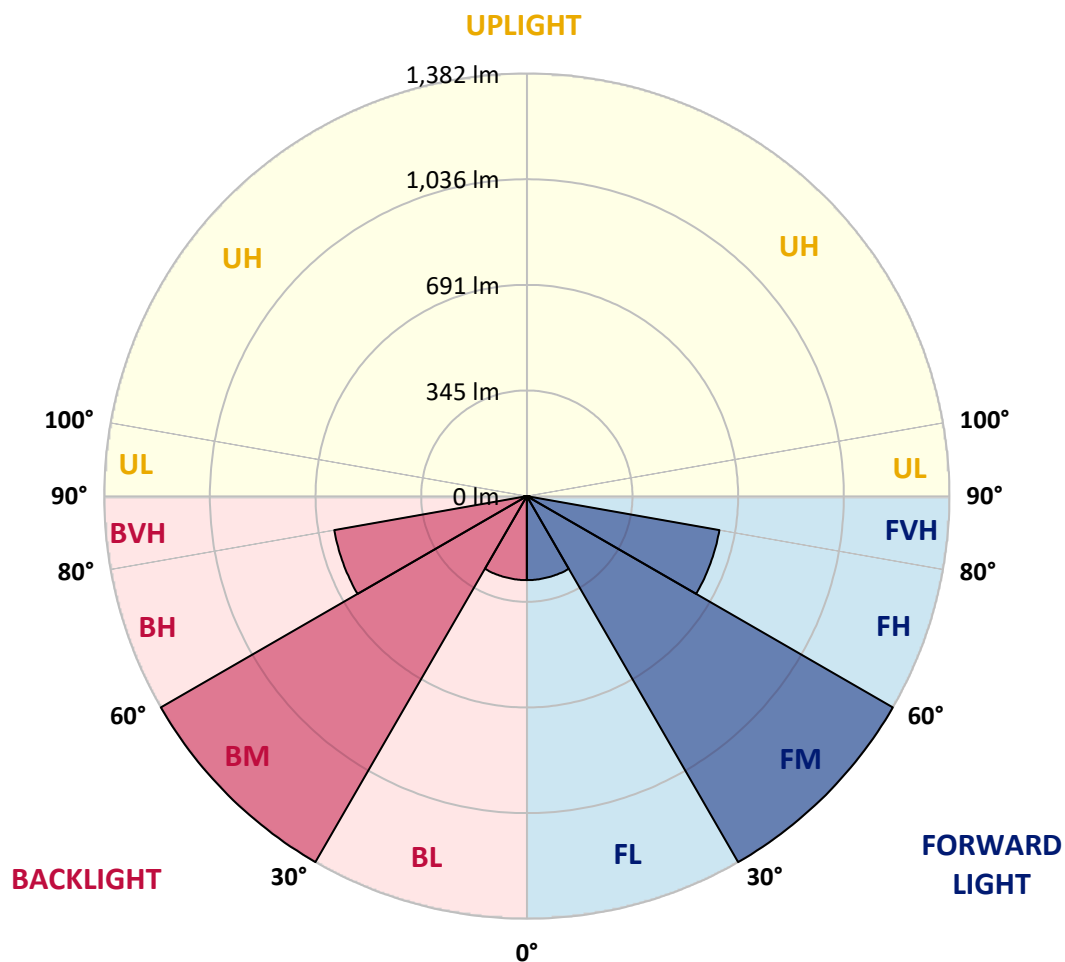
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	274.5	6.0			
FM	(30°-60°)	1381.9	30.0			
FH	(60°-80°)	639.4	13.9			G0/660
FVH	(80°-90°)	9.9	0.2			G0/10
BL	(0°-30°)	274.5	6.0	B1/500		
BM	(30°-60°)	1381.9	30.0	B2/2500		
BH	(60°-80°)	639.4	13.9	B2/1000		G0/660
BVH	(80°-90°)	9.9	0.2			G0/10
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G0

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	530.2	530.2	530.2	530.2	530.2	530.2	530.2	530.2	530.2	530.2	530.2
2.5°	533.1	531.5	533.1	533.1	532.2	532.5	531.2	530.9	532.5	531.2	530.9
5°	544.2	542.9	544.2	543.2	541.6	541.9	540.0	539.3	541.2	539.3	539.6
7.5°	556.8	554.5	555.2	556.2	554.5	554.5	552.9	551.9	552.9	551.0	552.3
10°	567.5	565.6	566.5	567.8	567.5	568.5	566.9	566.2	565.2	563.0	564.9
12.5°	581.4	580.8	582.1	583.7	583.1	584.4	580.8	579.8	579.5	576.9	579.2
15°	599.6	598.0	600.2	602.2	601.2	603.5	600.6	599.3	597.6	594.4	596.3
17.5°	617.7	616.4	619.7	620.7	621.0	622.9	620.7	618.7	618.1	615.8	614.5
20°	639.5	637.8	640.4	642.4	640.7	643.0	642.0	640.7	640.1	636.5	636.2
22.5°	663.8	661.5	665.4	667.6	665.4	667.6	665.7	665.4	665.7	660.5	661.2
25°	691.0	691.3	695.2	696.8	695.5	696.8	693.9	695.8	694.9	689.4	687.4
27.5°	726.0	724.7	728.9	733.8	730.5	730.5	729.2	731.2	730.8	725.7	724.4
30°	766.8	766.5	772.7	775.6	771.0	769.1	768.8	773.6	774.0	768.4	766.2
32.5°	809.6	809.6	817.1	820.6	814.1	812.8	811.6	818.0	817.1	809.6	804.7
35°	856.6	854.7	864.7	869.9	863.4	859.5	858.9	864.7	863.4	853.0	847.2
37.5°	902.9	904.2	915.9	921.7	914.0	909.1	910.7	914.6	914.9	903.6	897.4
40°	959.7	960.0	974.6	979.1	969.1	961.6	963.9	972.6	972.0	958.0	950.3
42.5°	1023.2	1021.9	1040.0	1043.9	1030.3	1016.1	1022.9	1036.5	1039.7	1024.2	1016.1
45°	1091.3	1093.2	1112.0	1116.2	1094.8	1076.7	1091.3	1111.7	1115.9	1099.0	1089.0
47.5°	1173.9	1176.2	1198.9	1200.5	1176.2	1152.5	1172.0	1198.5	1200.1	1176.8	1165.1
50°	1268.2	1276.0	1301.3	1304.5	1280.5	1250.1	1277.9	1301.6	1295.4	1264.3	1253.6
52.5°	1375.2	1381.3	1420.9	1434.5	1413.4	1380.7	1403.0	1417.6	1397.9	1357.0	1340.5
55°	1466.2	1476.6	1529.1	1570.6	1586.5	1561.8	1559.3	1537.9	1482.8	1420.5	1403.4
57.5°	1491.8	1501.9	1583.2	1690.2	1784.5	1796.8	1739.8	1632.5	1513.9	1417.9	1400.4
60°	1387.8	1401.4	1520.4	1722.9	1993.5	2105.0	1898.9	1640.6	1433.2	1304.5	1282.5
62.5°	1090.0	1115.2	1268.9	1586.5	2077.8	2385.7	1964.4	1500.9	1189.8	1037.8	1008.6
65°	592.8	614.5	784.0	1182.3	1907.0	2445.7	1804.0	1142.8	778.2	625.5	609.6
67.5°	222.3	238.2	316.0	584.4	1348.3	2090.8	1369.3	654.4	353.3	253.4	231.1
70°	94.6	96.6	114.4	203.5	612.9	1360.3	701.0	222.3	118.0	95.3	92.7
72.5°	68.1	68.4	73.2	90.1	186.7	596.7	212.0	93.3	72.0	64.8	64.8
75°	54.4	54.8	57.7	65.1	88.2	175.7	91.4	65.5	55.7	50.9	50.2
77.5°	42.8	43.4	46.3	50.9	59.0	80.4	61.9	51.5	44.7	40.2	39.5
80°	31.8	32.7	36.6	38.9	41.5	53.5	45.1	40.2	35.7	30.8	29.8
82.5°	21.1	22.0	27.2	28.8	28.5	33.7	31.1	30.8	27.2	20.4	19.4
85°	12.6	13.3	17.5	18.8	17.5	16.5	19.8	21.4	19.1	13.3	12.3
87.5°	5.5	5.5	7.8	8.1	7.8	6.2	9.4	11.0	11.3	6.8	6.2
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)