

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: P672739

Luminaire Tested: **CCP-SA-2D-830-U-5NQ**

Issue Date: 04/16/2023



Test Information

Test Method: LM-79-08
Report Number: P672739
Test Lab: INNOVATION CENTER(G2)
Issue Date: 04/16/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCP-SA-2D-830-U-5NQ
Description: INVUE CLEAR CURVE POLE MOUNT LIGHT SQUARE LUMINAIRE @800mA w/ 5NQ distribution lens
Light Source: (32) 3000K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

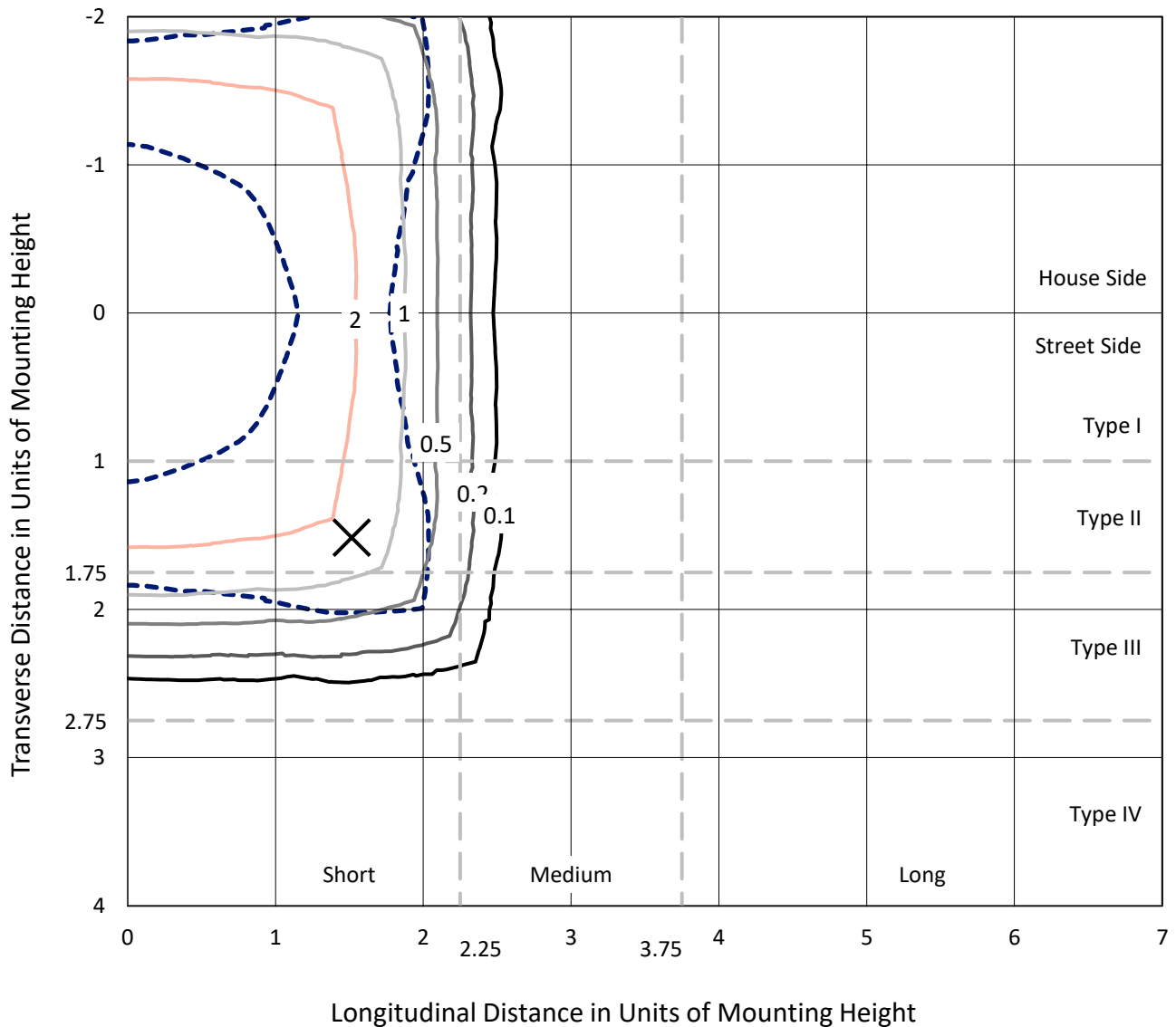
Lumens per Lamp: N/A
Luminaire Lumens: 9222 lumens
Efficiency: N/A
Efficacy: 114.1 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B3 - U0 - G1

Input Watts (W): 80.8
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

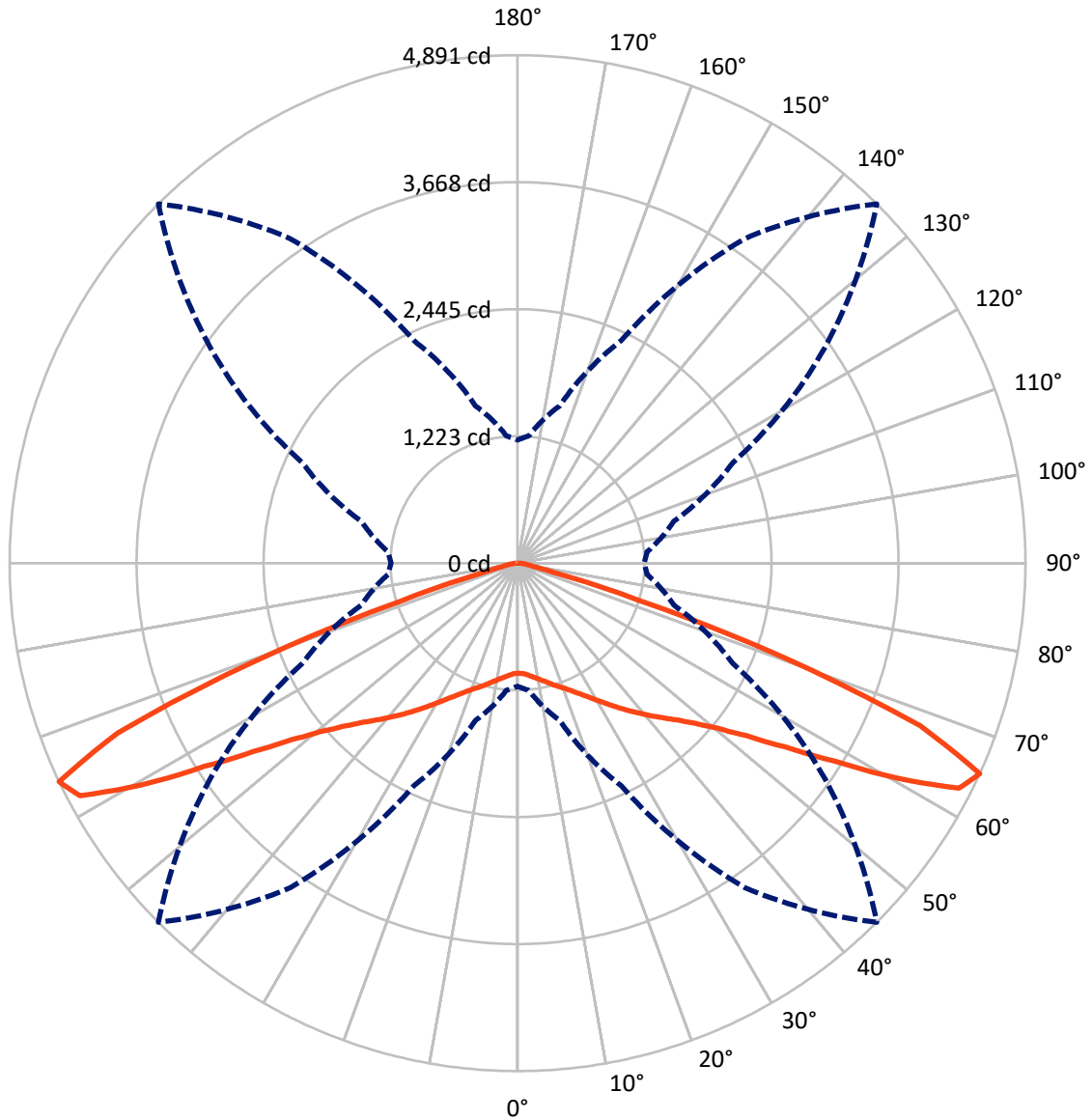
× Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 4.8 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



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

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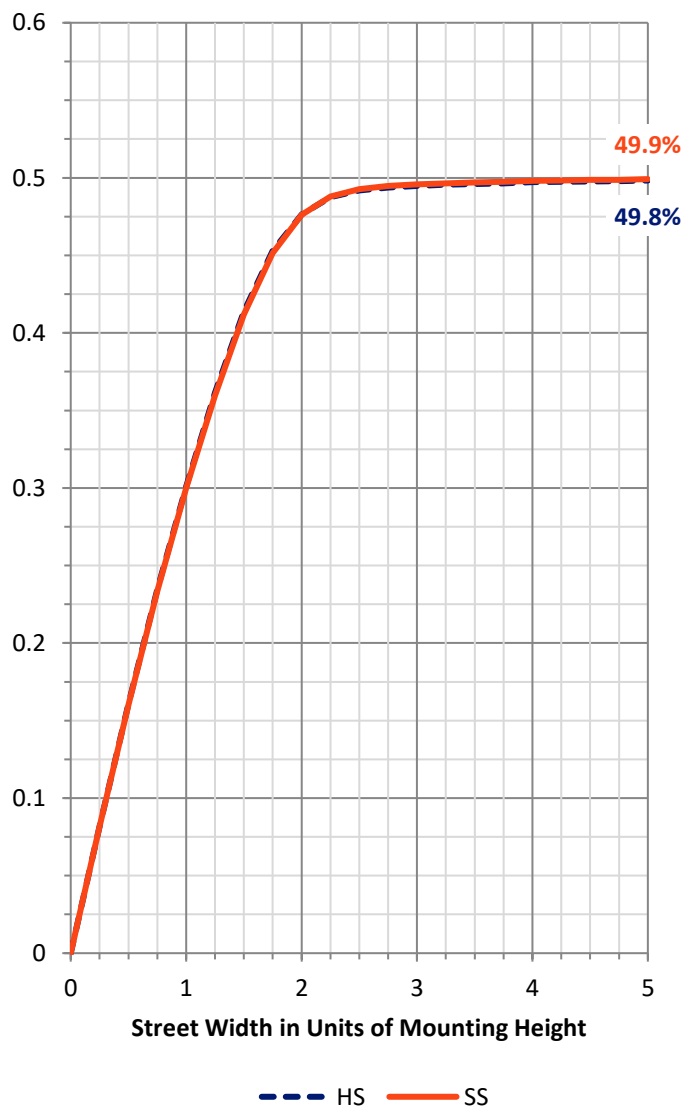
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4611.0	0.0	4611.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	4611.0	0.0	4611.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	9222.0	0.0	9222.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	105.0	1.1
10°-20°	342.8	3.7
20°-30°	650.2	7.1
30°-40°	1090.5	11.8
40°-50°	1725.6	18.7
50°-60°	2710.9	29.4
60°-70°	2290.5	24.8
70°-80°	266.7	2.9
80°-90°	39.7	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°	9222.0	100.0
0°-180°	9222.0	100.0



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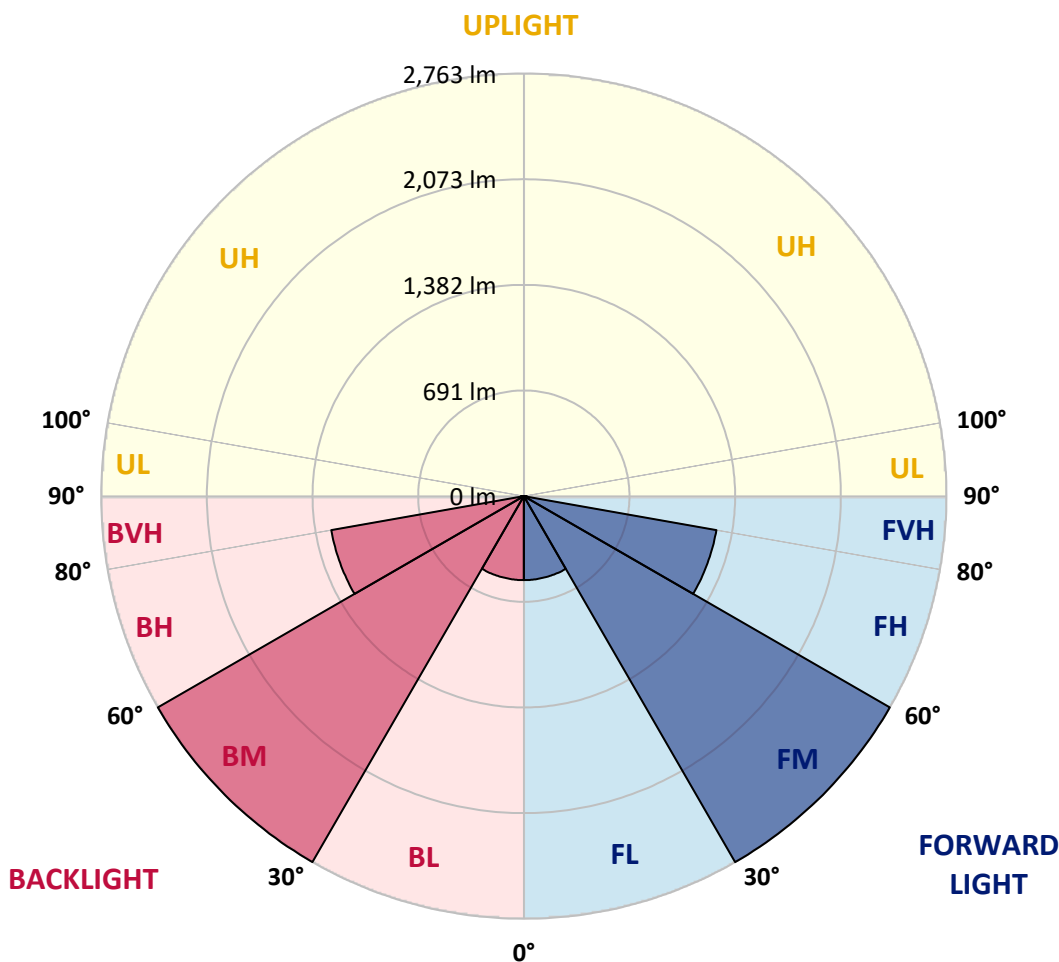
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	549.0	6.0			
FM (30°-60°)	2763.5	30.0			
FH (60°-80°)	1278.6	13.9			G1/1800
FVH (80°-90°)	19.9	0.2			G1/100
BL (0°-30°)	549.0	6.0	B2/1000		
BM (30°-60°)	2763.5	30.0	B3/5000		
BH (60°-80°)	1278.6	13.9	B3/2500		G1/1800
BVH (80°-90°)	19.9	0.2			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°	1060.4	1060.4	1060.4	1060.4	1060.4	1060.4	1060.4	1060.4	1060.4	1060.4	1060.4
2.5°	1066.2	1063.0	1066.2	1066.2	1064.3	1064.9	1062.3	1061.7	1064.9	1062.3	1061.7
5°	1088.2	1085.6	1088.2	1086.3	1083.1	1083.7	1079.8	1078.5	1082.4	1078.5	1079.2
7.5°	1113.5	1109.0	1110.3	1112.2	1109.0	1109.0	1105.7	1103.8	1105.7	1101.8	1104.4
10°	1134.9	1131.0	1133.0	1135.6	1134.9	1136.8	1133.6	1132.3	1130.4	1125.8	1129.7
12.5°	1162.8	1161.5	1164.1	1167.3	1166.0	1168.6	1161.5	1159.5	1158.9	1153.7	1158.2
15°	1199.1	1195.8	1200.4	1204.3	1202.3	1206.8	1201.0	1198.4	1195.2	1188.7	1192.6
17.5°	1235.4	1232.8	1239.3	1241.2	1241.8	1245.7	1241.2	1237.3	1236.0	1231.5	1228.9
20°	1278.8	1275.5	1280.7	1284.6	1281.4	1285.9	1284.0	1281.4	1280.1	1273.0	1272.3
22.5°	1327.4	1322.9	1330.6	1335.2	1330.6	1335.2	1331.3	1330.6	1331.3	1320.9	1322.2
25°	1381.8	1382.5	1390.3	1393.5	1390.9	1393.5	1387.7	1391.6	1389.6	1378.6	1374.7
27.5°	1451.8	1449.3	1457.7	1467.4	1460.9	1460.9	1458.3	1462.2	1461.6	1451.2	1448.6
30°	1533.5	1532.9	1545.2	1551.0	1541.9	1538.0	1537.4	1547.1	1547.8	1536.8	1532.2
32.5°	1619.1	1619.1	1634.0	1641.1	1628.1	1625.5	1623.0	1635.9	1634.0	1619.1	1609.3
35°	1713.0	1709.2	1729.3	1739.6	1726.7	1718.9	1717.6	1729.3	1726.7	1705.9	1694.3
37.5°	1805.7	1808.3	1831.7	1843.3	1827.8	1818.0	1821.3	1829.1	1829.7	1807.0	1794.7
40°	1919.2	1919.8	1949.0	1958.0	1938.0	1923.0	1927.6	1945.1	1943.8	1915.9	1900.4
42.5°	2046.2	2043.6	2079.9	2087.7	2060.5	2031.9	2045.5	2072.8	2079.2	2048.1	2031.9
45°	2182.3	2186.2	2223.8	2232.2	2189.4	2153.1	2182.3	2223.1	2231.6	2197.9	2177.8
47.5°	2347.6	2352.1	2397.5	2400.7	2352.1	2304.8	2343.7	2396.8	2400.1	2353.4	2330.1
50°	2536.2	2551.7	2602.3	2608.8	2560.8	2499.9	2555.6	2603.0	2590.6	2528.4	2507.0
52.5°	2750.1	2762.4	2841.5	2868.7	2826.6	2761.1	2805.8	2835.0	2795.5	2713.8	2680.7
55°	2932.2	2952.9	3057.9	3140.9	3172.7	3123.4	3118.2	3075.4	2965.3	2840.8	2806.5
57.5°	2983.4	3003.5	3166.2	3380.1	3568.7	3593.3	3479.2	3264.7	3027.5	2835.6	2800.6
60°	2775.4	2802.6	3040.4	3445.5	3986.7	4209.7	3797.5	3280.9	2866.1	2608.8	2564.7
62.5°	2179.7	2230.3	2537.5	3172.7	4155.3	4771.0	3928.4	3001.6	2379.3	2075.4	2017.0
65°	1185.5	1228.9	1567.9	2364.4	3813.7	4890.9	3607.6	2285.4	1556.2	1250.9	1219.2
67.5°	444.6	476.4	631.9	1168.6	2696.3	4181.2	2738.4	1308.6	706.5	506.8	462.1
70°	189.3	193.1	228.8	407.0	1225.6	2720.3	1401.9	444.6	235.9	190.6	185.4
72.5°	136.1	136.8	146.5	180.2	373.3	1193.2	423.9	186.7	143.9	129.6	129.6
75°	108.9	109.5	115.4	130.3	176.3	351.3	182.8	130.9	111.5	101.8	100.5
77.5°	85.6	86.9	92.7	101.8	118.0	160.7	123.8	103.1	89.4	80.4	79.1
80°	63.5	65.5	73.2	77.8	83.0	106.9	90.1	80.4	71.3	61.6	59.6
82.5°	42.1	44.1	54.4	57.7	57.0	67.4	62.2	61.6	54.4	40.8	38.9
85°	25.3	26.6	35.0	37.6	35.0	33.1	39.5	42.8	38.2	26.6	24.6
87.5°	11.0	11.0	15.6	16.2	15.6	12.3	18.8	22.0	22.7	13.6	12.3
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)