

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: P672446

Luminaire Tested: **CCP-SA-1E-830-U-5WQ**

Issue Date: 04/16/2023



Test Information

Test Method: LM-79-08
Report Number: P672446
Test Lab: INNOVATION CENTER(G2)
Issue Date: 04/16/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCP-SA-1E-830-U-5WQ
Description: INVUE CLEAR CURVE POLE MOUNT LIGHT SQUARE LUMINAIRE @1050mA w/ 5WQ distribution lens
Light Source: (16) 3000K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

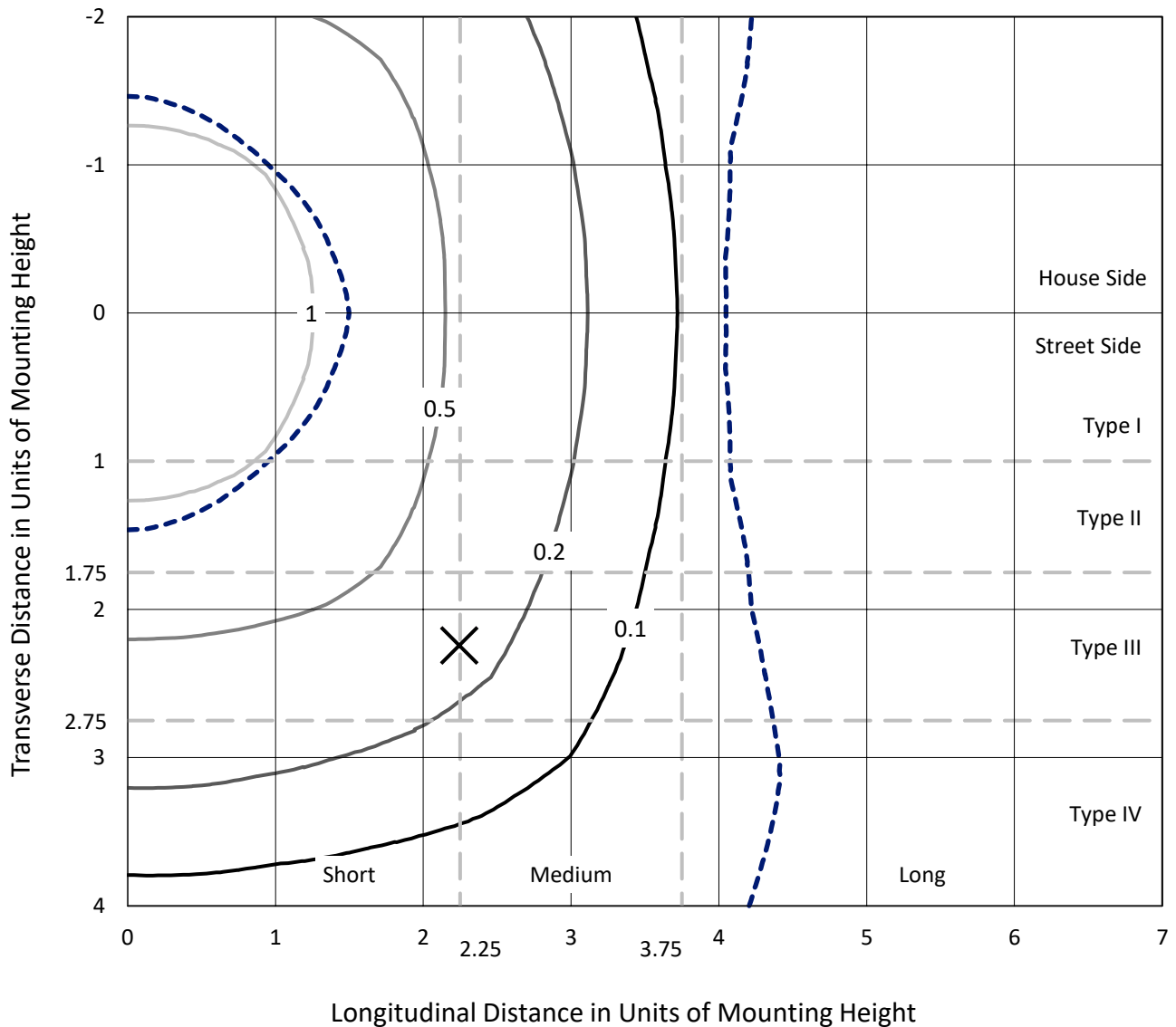
Lumens per Lamp: N/A
Luminaire Lumens: 5694.1 lumens
Efficiency: N/A
Efficacy: 101.5 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B3 - U0 - G1

Input Watts (W): 56.1
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

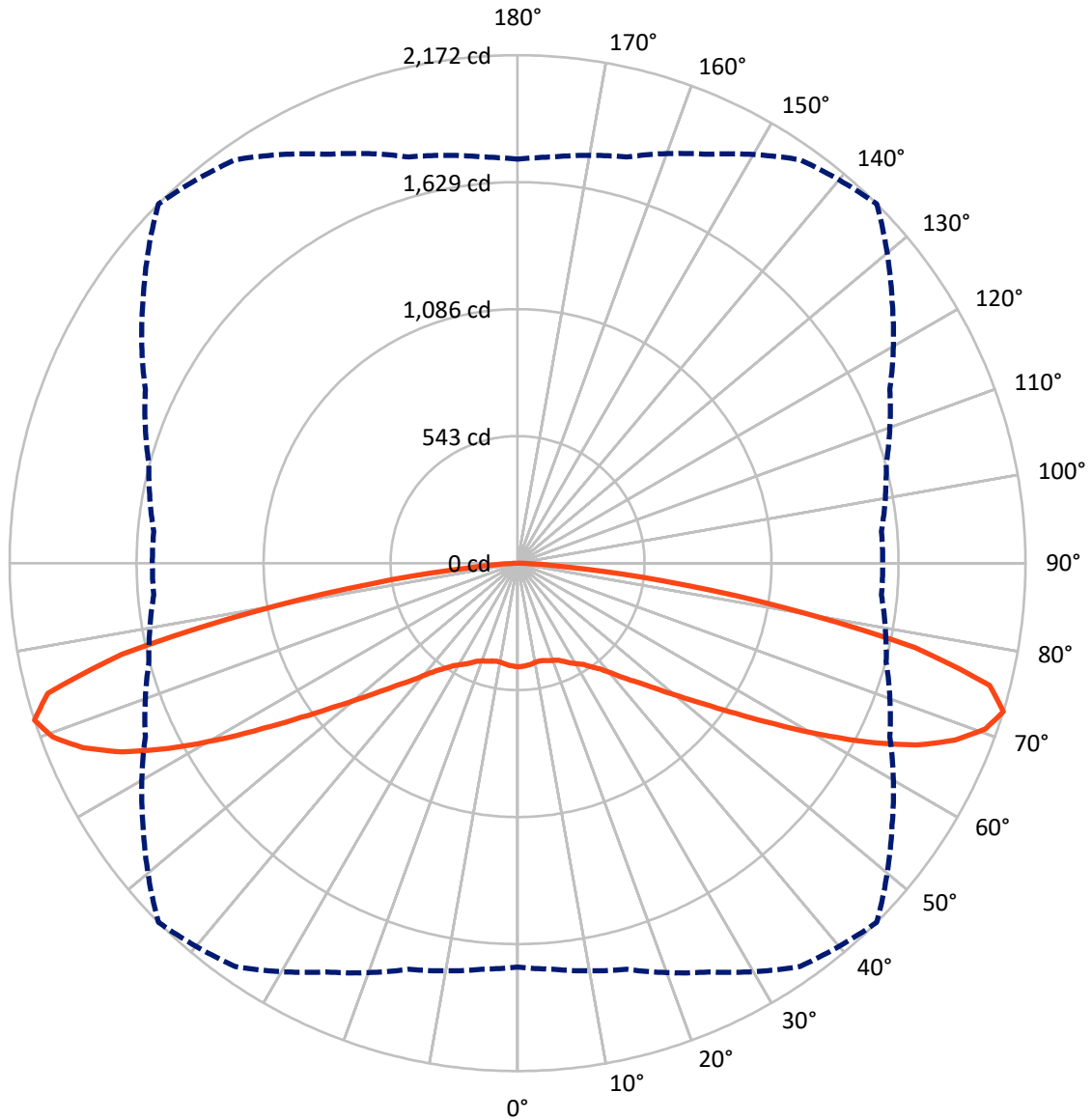
× Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 2 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 72.5-Deg Vertical

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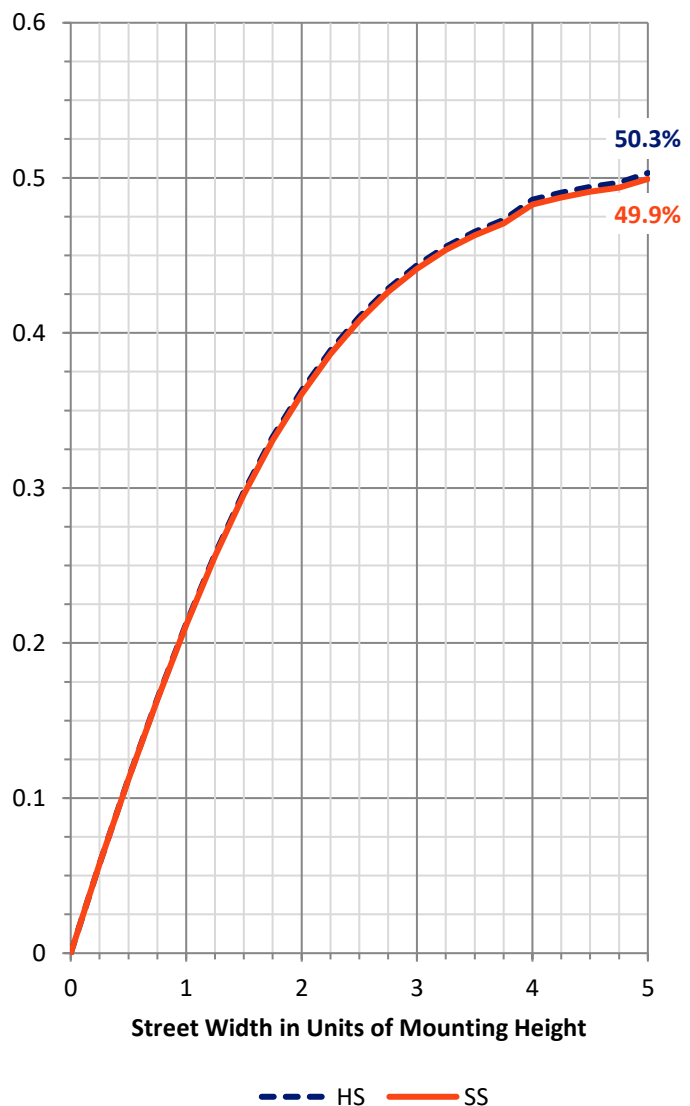
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2847.0	0.0	2847.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	2847.0	0.0	2847.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	5694.1	0.0	5694.1
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	41.6	0.7
10°-20°	123.7	2.2
20°-30°	217.2	3.8
30°-40°	346.6	6.1
40°-50°	579.6	10.2
50°-60°	991.7	17.4
60°-70°	1637.2	28.8
70°-80°	1569.2	27.6
80°-90°	187.1	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°	5694.1	100.0
0°-180°	5694.1	100.0



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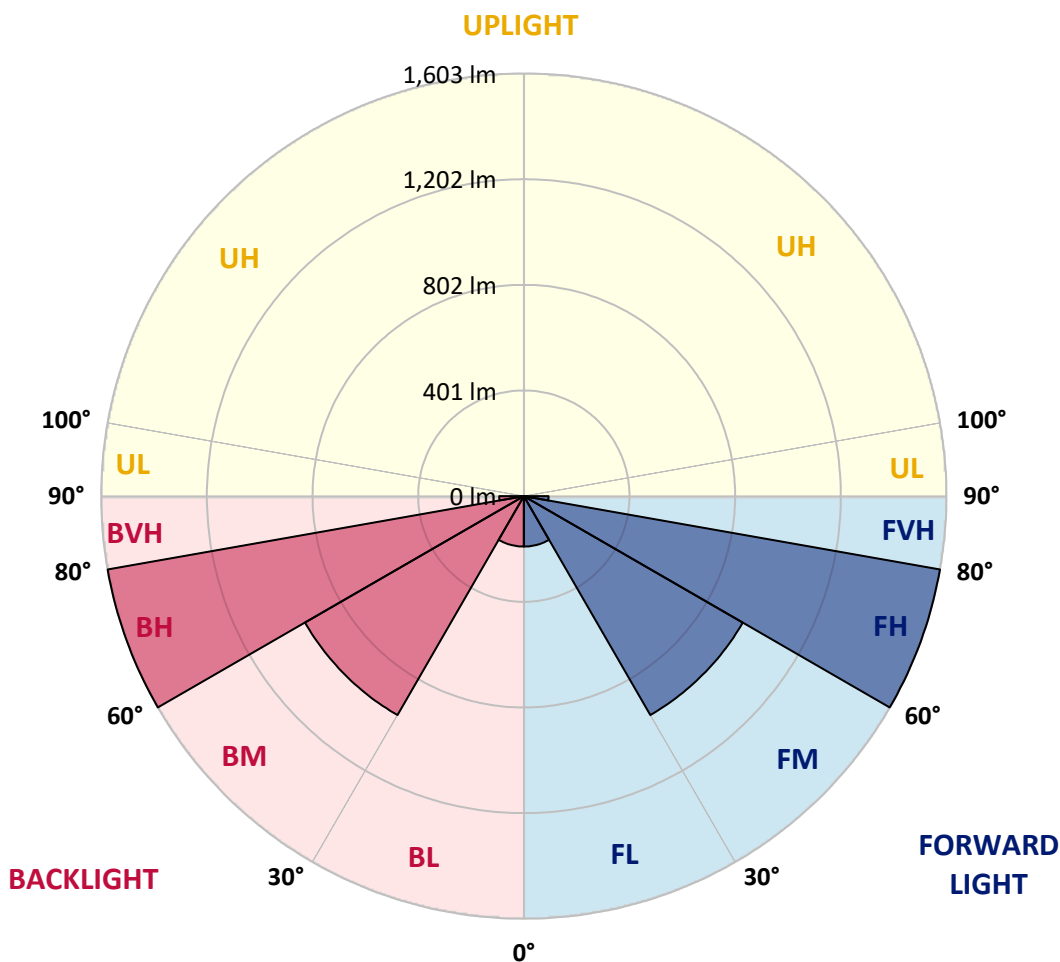
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	191.3	3.4			
FM (30°-60°)	959.0	16.8			
FH (60°-80°)	1603.2	28.2			G1/1800
FVH (80°-90°)	93.6	1.6			G1/100
BL (0°-30°)	191.3	3.4	B1/500		
BM (30°-60°)	959.0	16.8	B1/1000		
BH (60°-80°)	1603.2	28.2	B3/2500		G1/1800
BVH (80°-90°)	93.6	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°	443.4	443.4	443.4	443.4	443.4	443.4	443.4	443.4	443.4	443.4	443.4
2.5°	440.6	440.6	441.8	442.2	441.8	441.4	441.0	440.6	441.8	441.4	441.8
5°	439.4	439.4	439.8	440.2	439.4	439.0	438.2	437.8	438.6	438.6	439.4
7.5°	436.3	435.9	436.3	436.6	435.5	435.1	433.9	433.9	433.9	433.5	434.3
10°	433.5	432.7	432.7	431.9	429.9	430.3	428.7	429.9	431.9	432.3	432.7
12.5°	434.7	433.9	433.1	431.1	428.3	428.7	428.3	429.5	432.3	433.9	435.1
15°	440.2	439.4	437.4	433.9	432.3	432.3	431.5	431.9	435.9	438.2	439.4
17.5°	446.2	444.6	441.0	438.6	437.0	438.2	435.5	435.1	438.2	441.8	443.0
20°	451.0	449.8	445.4	442.6	442.6	443.8	441.0	439.4	443.0	447.4	448.6
22.5°	459.3	458.5	454.1	451.4	451.4	451.7	450.2	449.0	452.9	457.3	458.5
25°	471.2	471.2	466.8	465.7	465.3	466.1	464.1	462.9	466.4	469.6	470.8
27.5°	485.1	483.9	480.4	479.6	481.1	483.9	480.4	477.2	480.0	482.7	483.1
30°	499.8	499.8	496.6	496.6	497.8	499.0	495.8	492.7	495.5	498.6	499.0
32.5°	520.5	519.3	518.1	518.5	518.1	516.5	514.9	514.5	516.9	518.9	519.7
35°	545.9	545.5	543.9	544.7	544.7	544.7	540.0	538.4	542.3	543.9	543.1
37.5°	585.2	584.8	580.9	578.5	575.7	574.5	568.6	568.2	577.7	582.5	581.7
40°	633.3	631.7	628.2	624.2	620.6	618.2	612.3	616.6	626.6	630.1	630.1
42.5°	685.8	683.8	679.8	677.8	675.4	673.1	665.1	667.1	679.0	682.6	678.6
45°	750.1	747.3	743.0	738.6	735.0	730.3	726.3	728.3	741.0	745.4	742.2
47.5°	818.5	817.7	814.1	810.5	807.3	804.2	799.0	802.6	813.7	812.9	806.5
50°	890.8	892.4	892.8	896.3	894.0	894.4	884.8	882.8	891.6	886.4	878.5
52.5°	968.7	971.0	979.4	986.5	999.6	1001.2	989.3	976.6	975.0	961.5	953.2
55°	1058.8	1058.4	1076.7	1096.6	1125.6	1134.7	1108.1	1084.3	1071.2	1044.9	1036.2
57.5°	1161.0	1159.8	1187.6	1222.5	1275.0	1297.6	1248.8	1203.5	1171.7	1140.3	1131.2
60°	1271.8	1274.6	1308.4	1365.2	1455.8	1487.2	1413.3	1338.2	1289.7	1248.8	1245.2
62.5°	1401.3	1401.7	1441.5	1518.5	1636.1	1686.6	1584.9	1483.2	1421.6	1376.7	1367.2
65°	1554.3	1557.1	1599.6	1677.5	1812.6	1874.9	1757.7	1633.8	1561.1	1500.3	1499.1
67.5°	1711.2	1709.6	1748.6	1831.2	1961.5	2019.2	1896.4	1758.1	1663.6	1587.7	1577.7
70°	1811.8	1820.5	1862.6	1941.7	2066.4	2122.5	1973.1	1806.2	1707.3	1637.7	1633.0
72.5°	1727.1	1743.4	1797.9	1929.0	2105.8	2172.1	1954.8	1756.5	1631.8	1561.8	1561.8
75°	1402.1	1429.1	1505.0	1706.9	1969.9	2084.7	1809.8	1537.2	1355.6	1280.9	1280.9
77.5°	854.2	880.1	982.6	1228.9	1590.9	1737.9	1475.2	1157.8	947.6	856.2	844.3
80°	284.1	300.8	401.3	624.6	976.6	1156.6	988.5	657.6	424.3	323.4	321.8
82.5°	75.5	82.2	114.4	181.2	423.9	626.6	452.1	216.9	124.4	96.5	89.0
85°	26.2	28.2	48.5	60.4	107.7	207.4	125.9	78.7	60.4	36.6	34.2
87.5°	7.5	8.3	19.5	21.1	31.0	24.2	34.2	31.4	28.6	11.9	10.7
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)