

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: P553789

Luminaire Tested: **LXS-VA3-830-U-SYM-C**

Issue Date: 7/13/2021

Test Information

Test Method: LM-79-08
Report Number: P553789
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1803-687-11-R2)
Test Lab: INNOVATION CENTER
Issue Date: 7/13/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: LXS-VA3-830-U-SYM-C
Description: LUXESCAPE OUTDOOR ARCHITECTURAL LUMINAIRE
80 CRI, 3000K LEDS AND TYPE V OPTIC, CANTILEVER MOUNT
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7748 lumens
Efficiency: N/A
Efficacy: 90.1 lumens/watt
Luminous Opening: Circular (Dia: 1.62' x H: 0')
IES Classification: Type V - Short
BUG Rating: B3 - U0 - G2

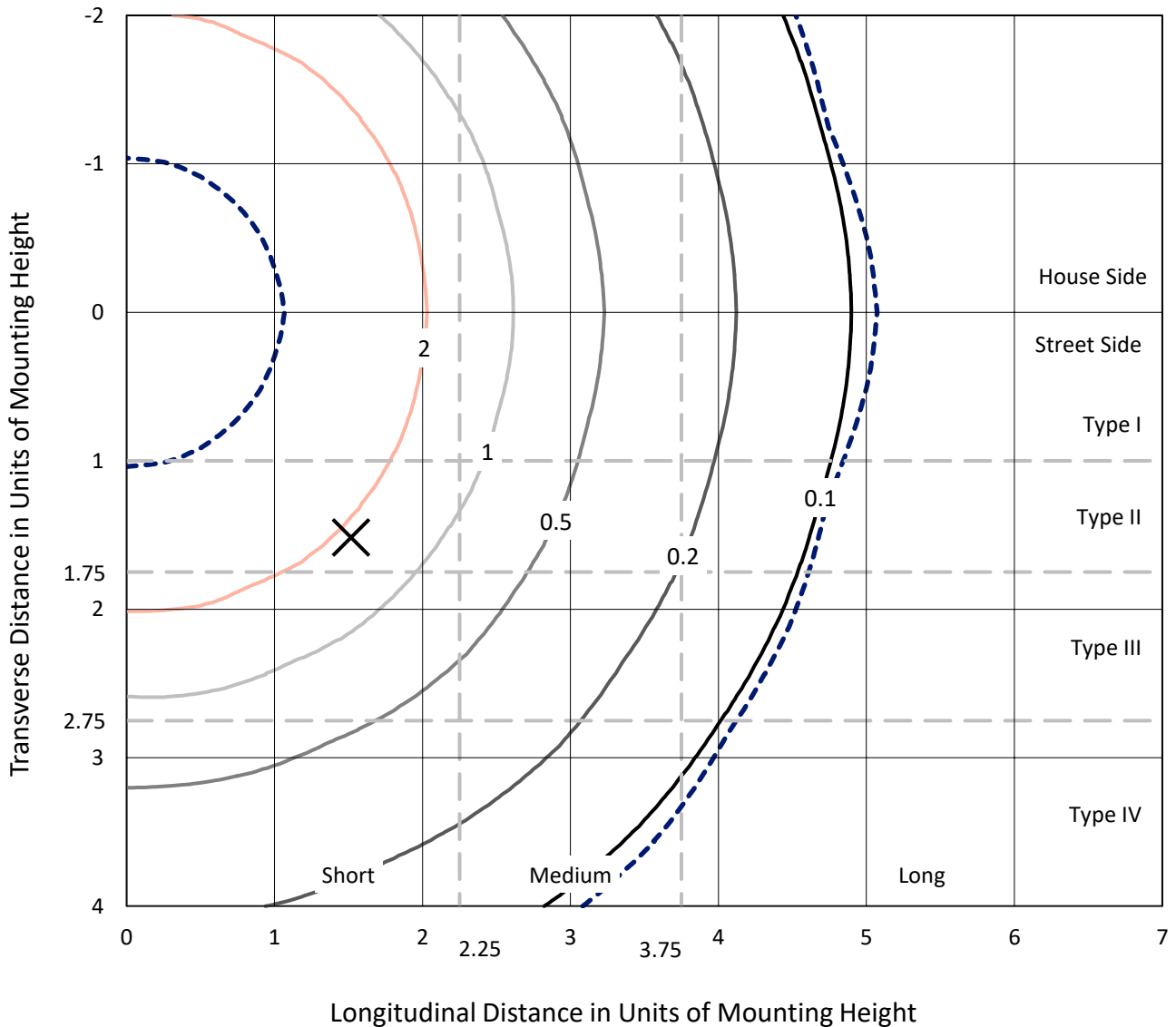
Input Watts (W): 86
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P553789
 CATALOG NUMBER: LXS-VA3-830-U-SYM-C

Iso-Footcandle Lines of Horizontal Illumination

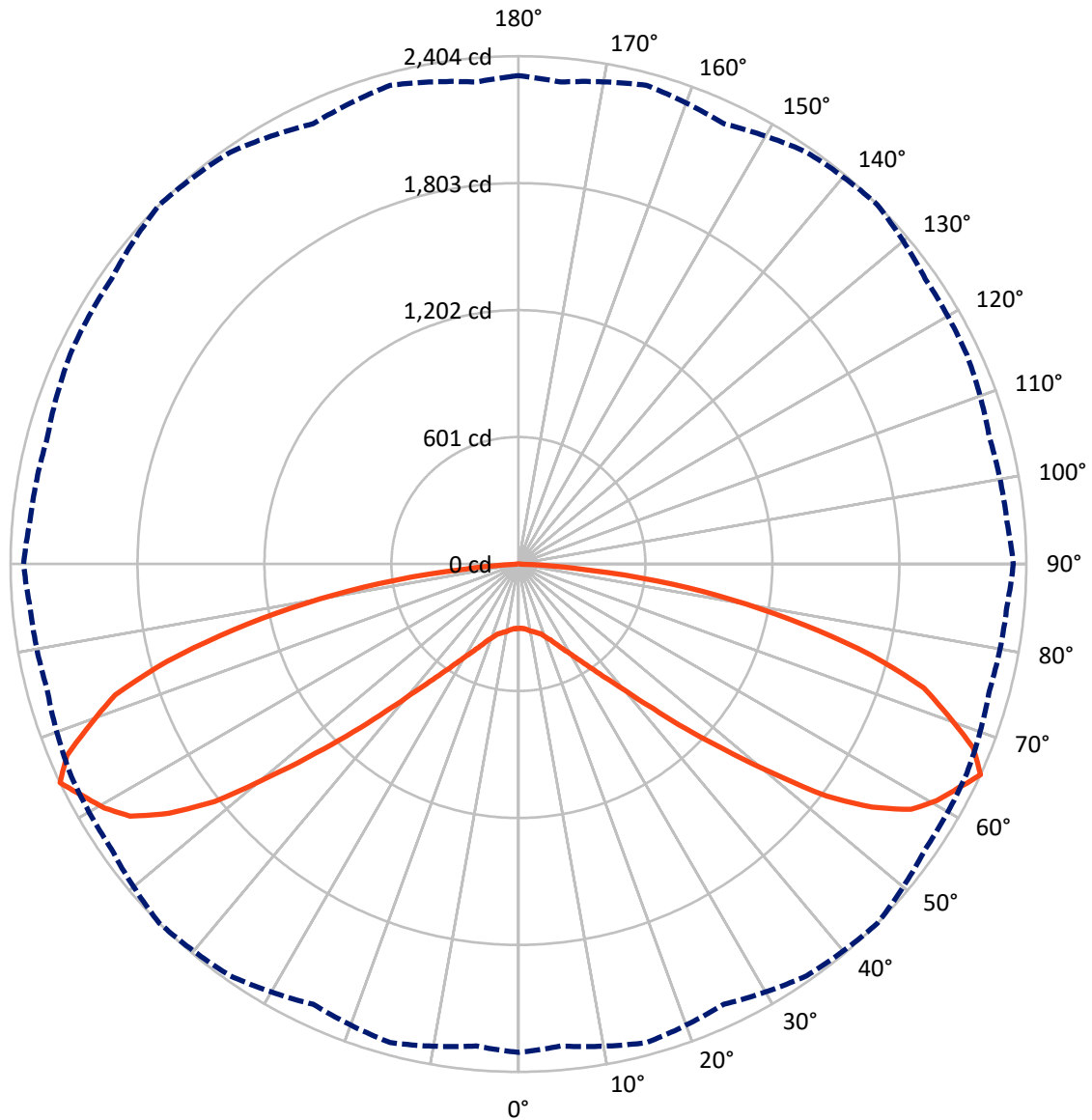
× Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 4.1 fc
 Type V - Short - N/A

REPORT NUMBER: P553789
CATALOG NUMBER: LXS-VA3-830-U-SYM-C

Luminous Intensity Polar Plot



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

REPORT NUMBER: P553789

CATALOG NUMBER: LXS-VA3-830-U-SYM-C

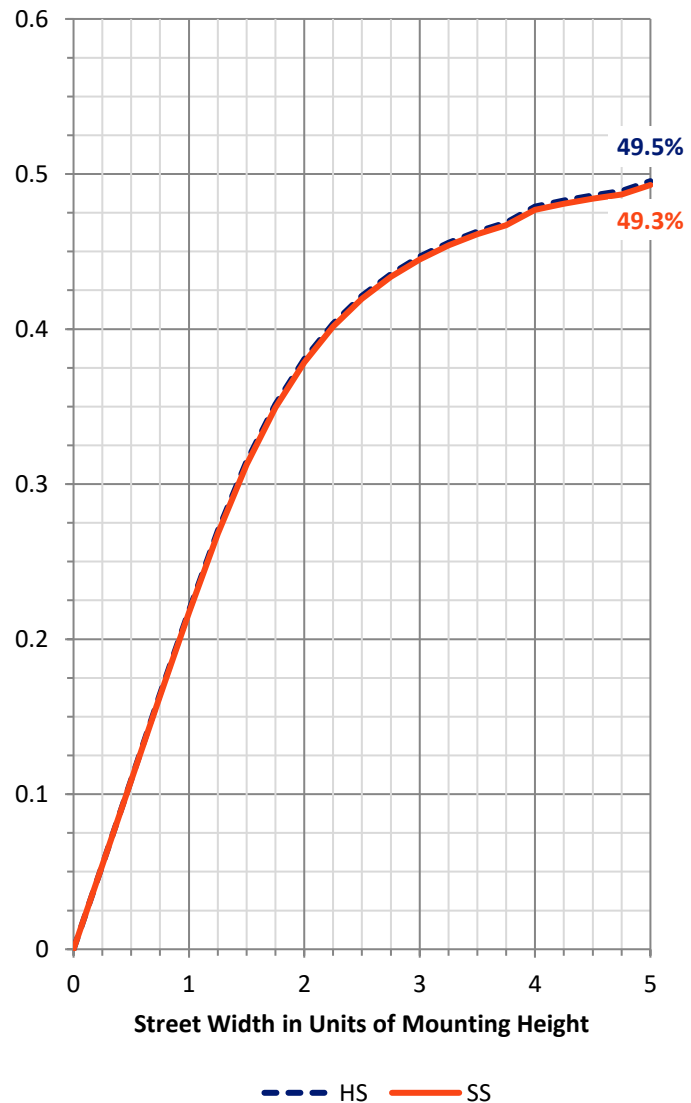
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3874.0	0.0	3874.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	3874.0	0.0	3874.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	7748.0	0.0	7748.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	29.9	0.4
10°-20°	96.9	1.3
20°-30°	198.9	2.6
30°-40°	400.7	5.2
40°-50°	878.7	11.3
50°-60°	1761.9	22.7
60°-70°	2263.9	29.2
70°-80°	1726.7	22.3
80°-90°	390.4	5.0
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°	7748.0	100.0
0°-180°	7748.0	100.0



REPORT NUMBER: P553789

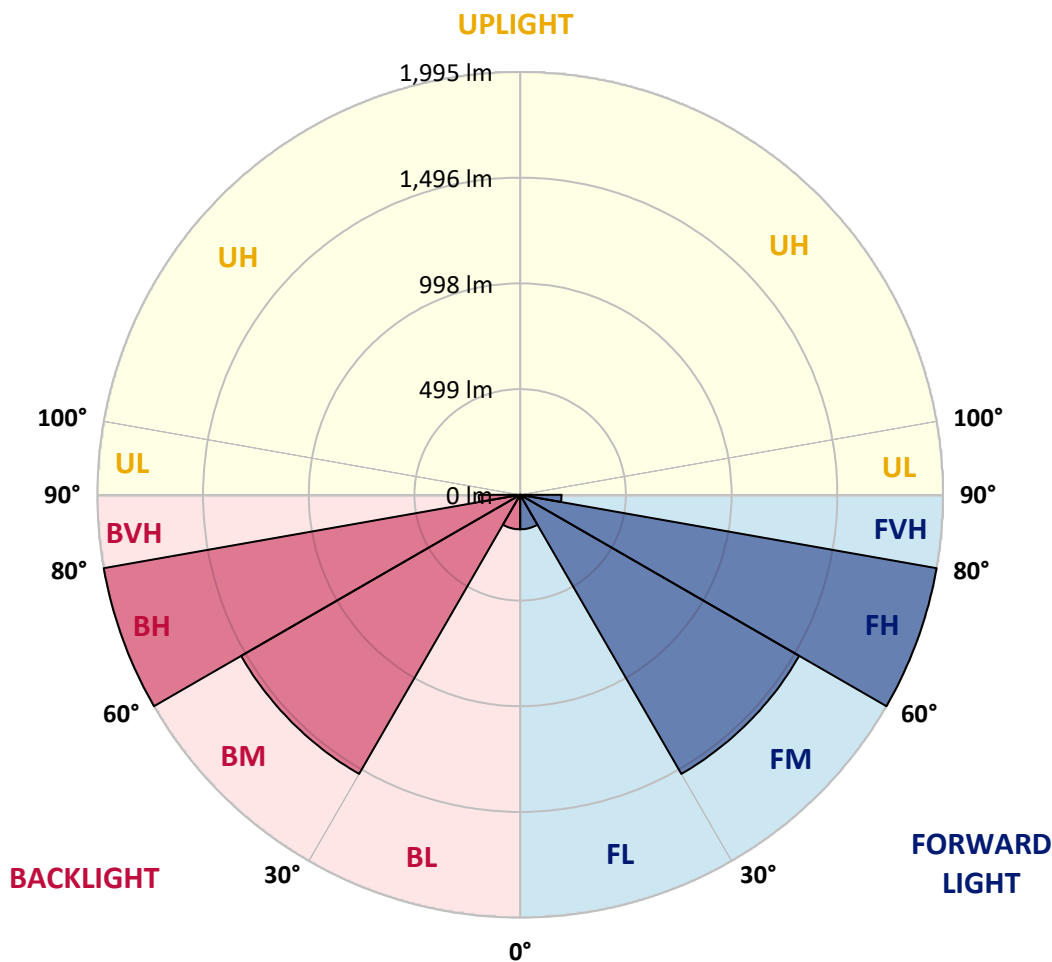
CATALOG NUMBER: LXS-VA3-830-U-SYM-C

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	162.9	2.1			
FM (30°-60°)	1520.6	19.6			
FH (60°-80°)	1995.3	25.8			G2/5000
FVH (80°-90°)	195.2	2.5			G2/225
BL (0°-30°)	162.9	2.1	B1/500		
BM (30°-60°)	1520.6	19.6	B2/2500		
BH (60°-80°)	1995.3	25.8	B3/2500		G2/5000
BVH (80°-90°)	195.2	2.5			G2/225
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G2

Type V Short





REPORT NUMBER: P553789

CATALOG NUMBER: LXS-VA3-830-U-SYM-C

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	304.7	304.7	304.7	304.7	304.7	304.7	304.7	304.7	304.7	304.7	304.7
2.5°	304.7	304.7	304.7	304.7	304.7	304.7	304.7	304.7	304.7	304.7	304.7
5°	310.8	310.8	307.8	307.8	307.8	307.8	307.8	307.8	307.8	307.8	307.8
7.5°	317.0	317.0	317.0	317.0	313.9	313.9	313.9	313.9	313.9	313.9	313.9
10°	326.2	326.2	323.1	323.1	323.1	323.1	320.1	320.1	320.1	320.1	320.1
12.5°	335.5	332.4	332.4	332.4	332.4	329.3	329.3	329.3	329.3	329.3	329.3
15°	344.7	341.6	341.6	338.5	338.5	338.5	332.4	332.4	335.5	338.5	338.5
17.5°	353.9	353.9	350.8	347.8	347.8	347.8	344.7	338.5	341.6	347.8	347.8
20°	375.5	375.5	372.4	366.2	369.3	369.3	363.2	360.1	363.2	366.2	366.2
22.5°	403.2	403.2	397.0	390.9	393.9	390.9	387.8	381.6	381.6	387.8	387.8
25°	437.0	437.0	427.8	421.6	421.6	421.6	415.5	412.4	409.3	412.4	412.4
27.5°	477.0	477.0	467.8	461.6	458.6	458.6	452.4	449.3	446.2	443.2	440.1
30°	532.4	532.4	517.0	510.9	507.8	498.6	495.5	495.5	492.4	486.3	486.3
32.5°	587.8	587.8	575.5	563.2	563.2	550.9	547.8	550.9	544.7	541.7	538.6
35°	649.4	649.4	634.0	630.9	630.9	615.5	606.3	609.4	609.4	606.3	603.2
37.5°	726.3	726.3	704.8	704.8	707.8	695.5	683.2	686.3	692.5	686.3	680.1
40°	821.7	824.8	800.2	806.3	809.4	797.1	784.8	781.7	794.0	781.7	769.4
42.5°	954.0	957.1	932.5	935.6	941.7	935.6	926.3	920.2	935.6	911.0	898.6
45°	1114.1	1123.3	1104.8	1104.8	1111.0	1111.0	1104.8	1101.8	1104.8	1071.0	1058.7
47.5°	1311.0	1320.3	1295.7	1298.7	1314.1	1311.0	1311.0	1308.0	1295.7	1264.9	1240.3
50°	1526.5	1535.7	1517.2	1520.3	1541.9	1548.0	1538.8	1529.5	1517.2	1486.5	1468.0
52.5°	1788.1	1791.1	1794.2	1778.8	1803.5	1825.0	1800.4	1803.5	1785.0	1751.1	1726.5
55°	1991.2	1997.3	2009.6	1991.2	2034.3	2031.2	2034.3	2022.0	1988.1	1963.5	1951.2
57.5°	2129.7	2123.5	2163.5	2126.6	2178.9	2191.2	2160.4	2157.4	2129.7	2105.1	2102.0
60°	2203.5	2209.7	2252.8	2215.8	2255.9	2274.3	2240.5	2255.9	2212.8	2203.5	2209.7
62.5°	2243.5	2277.4	2335.9	2289.7	2379.0	2335.9	2354.3	2345.1	2302.0	2286.6	2289.7
65°	2311.3	2289.7	2345.1	2298.9	2379.0	2403.6	2351.3	2342.0	2308.2	2320.5	2342.0
67.5°	2215.8	2231.2	2302.0	2268.2	2314.3	2320.5	2271.2	2286.6	2240.5	2265.1	2271.2
70°	2055.8	2117.4	2135.8	2105.1	2200.5	2160.4	2154.3	2145.1	2095.8	2142.0	2138.9
72.5°	1905.0	1901.9	1926.6	1901.9	1975.8	2006.6	1954.3	1948.1	1905.0	1938.9	1960.4
75°	1628.0	1652.7	1692.7	1661.9	1686.5	1726.5	1658.8	1683.4	1658.8	1677.3	1701.9
77.5°	1298.7	1348.0	1360.3	1332.6	1381.8	1381.8	1344.9	1348.0	1335.7	1375.7	1375.7
80°	987.9	1000.2	994.1	981.7	1031.0	1024.8	1009.4	1003.3	981.7	1027.9	1046.4
82.5°	646.3	646.3	646.3	630.9	661.7	667.8	655.5	655.5	634.0	670.9	686.3
85°	277.0	280.1	273.9	233.9	270.8	264.7	273.9	264.7	264.7	295.4	286.2
87.5°	15.4	15.4	15.4	12.3	12.3	12.3	12.3	12.3	12.3	9.2	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)