

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: P553799

Luminaire Tested: **LXS-VA4-830-U-SYM-S**

Issue Date: 7/13/2021

Test Information

Test Method: LM-79-08
Report Number: P553799
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1803-687-18a - Copy)
Test Lab: INNOVATION CENTER
Issue Date: 7/13/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: LXS-VA4-830-U-SYM-S
Description: LUXESCAPE OUTDOOR ARCHITECTURAL LUMINAIRE
80 CRI, 3000K LEDS AND TYPE V OPTIC, SPIDER MOUNT
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8849 lumens
Efficiency: N/A
Efficacy: 92.2 lumens/watt
Luminous Opening: Circular (Dia: 1.62' x H: 0')
IES Classification: Type V - Short
BUG Rating: B3 - U0 - G3

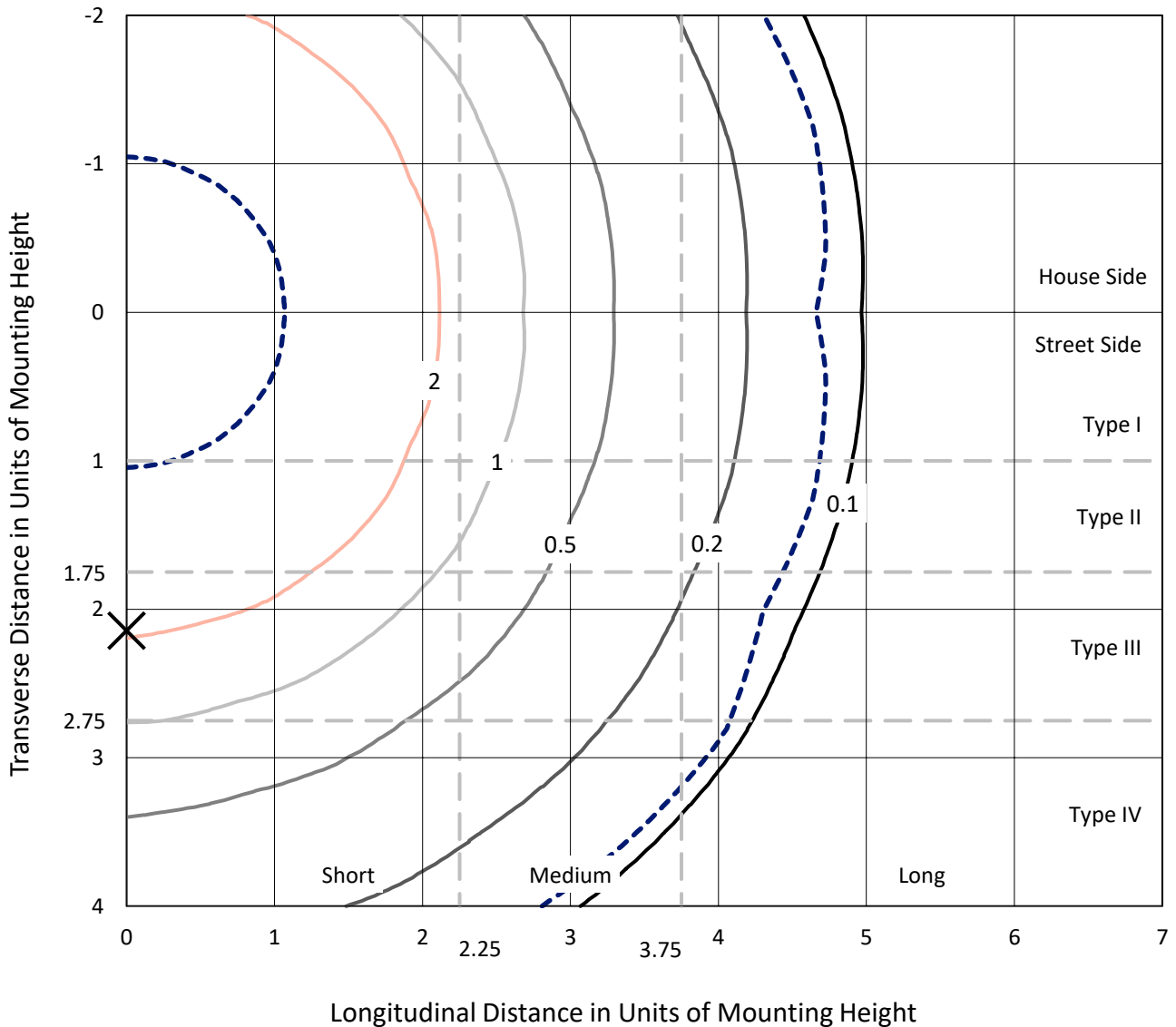
Input Watts (W): 96
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

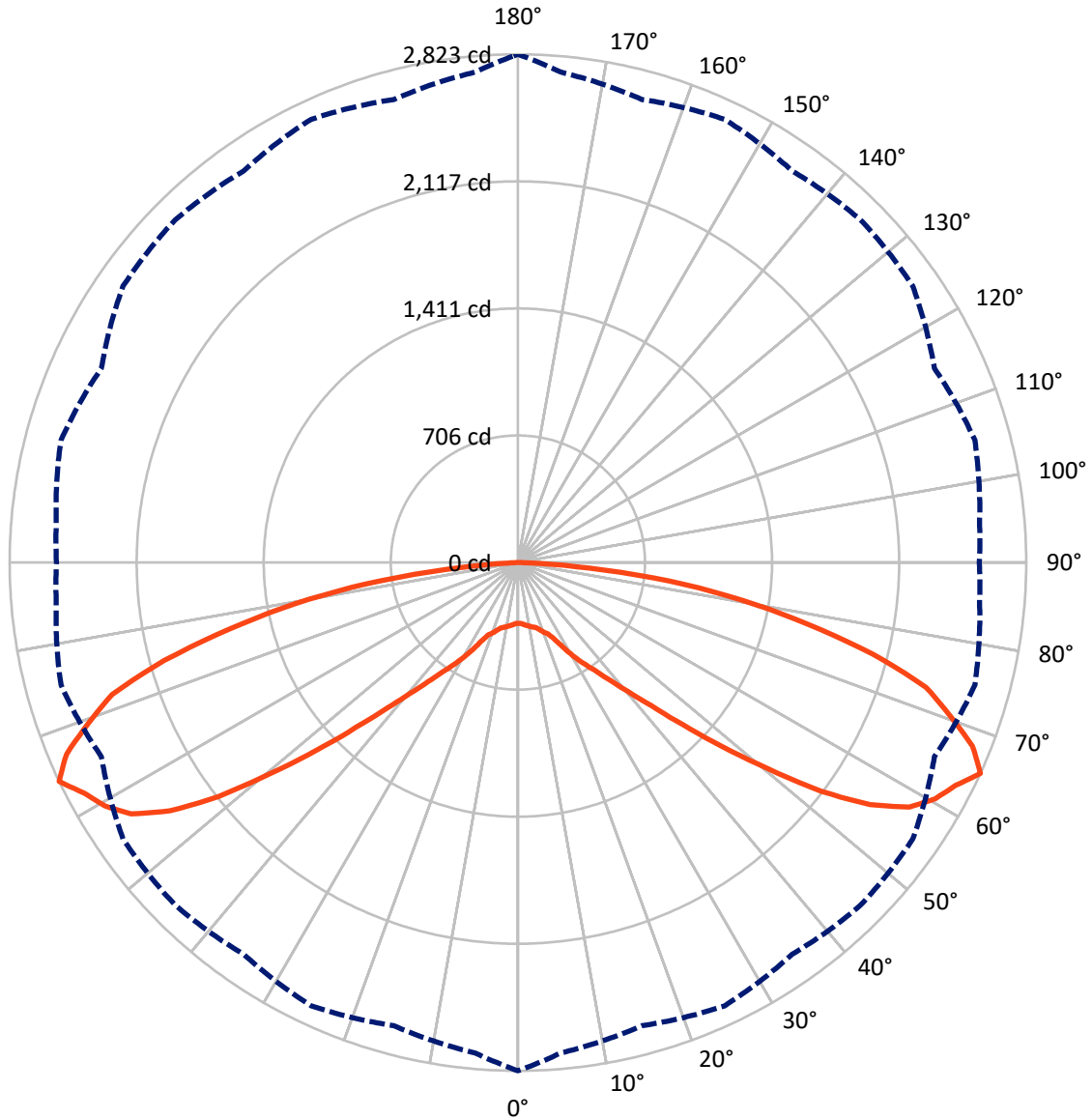
× Max cd
 - - - 1/2 Max cd



Based on 10 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 0-Deg Lateral - - - Horizontal Cone Through 65-Deg Vertical

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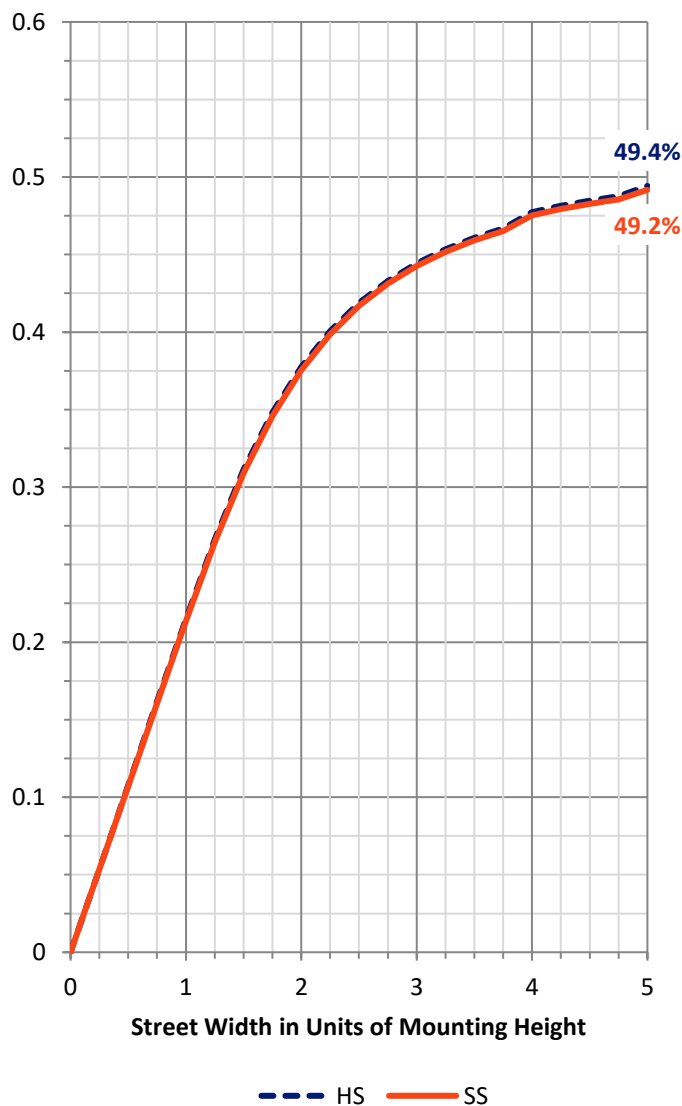
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4424.5	0.0	4424.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	4424.5	0.0	4424.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	8849.0	0.0	8849.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	33.2	0.4
10°-20°	106.4	1.2
20°-30°	224.5	2.5
30°-40°	459.7	5.2
40°-50°	1004.4	11.4
50°-60°	2006.8	22.7
60°-70°	2572.0	29.1
70°-80°	1973.3	22.3
80°-90°	468.6	5.3
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°	8849.0	100.0
0°-180°	8849.0	100.0

Coefficient of Utilization



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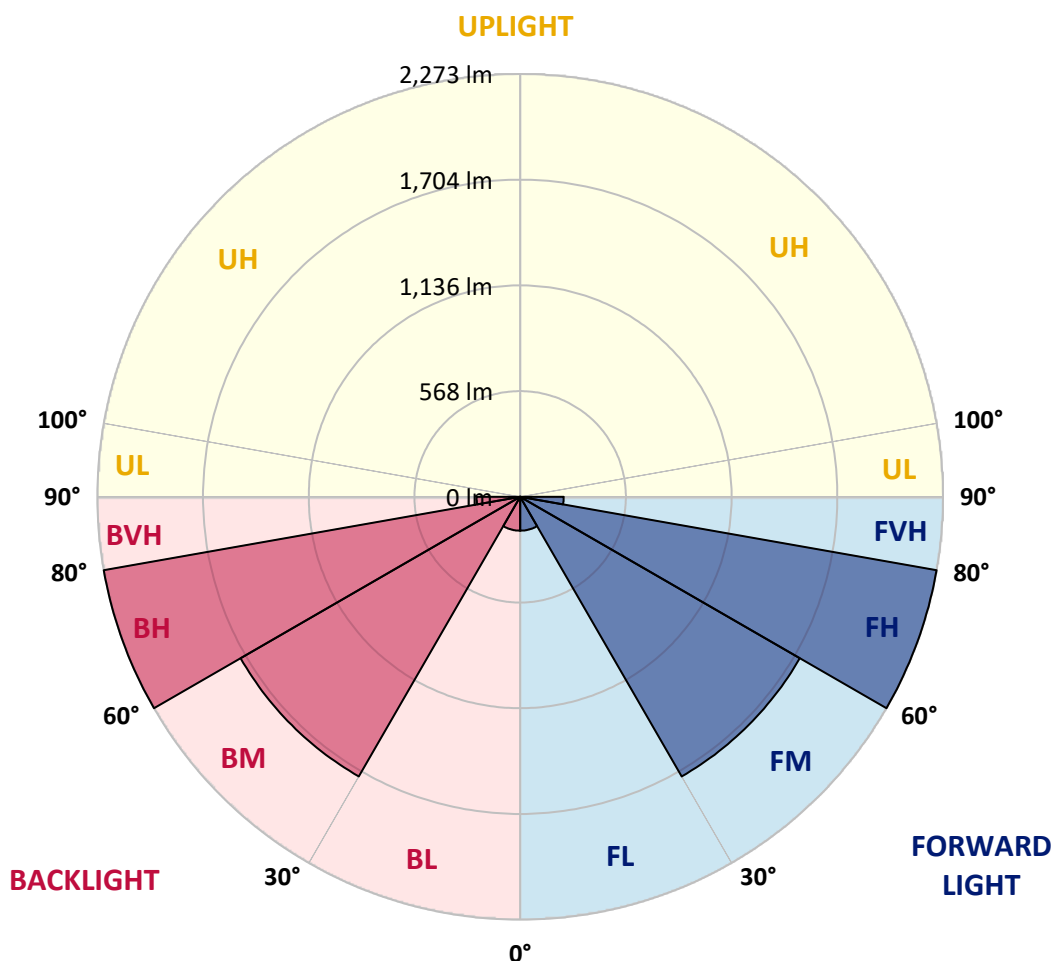
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	182.0	2.1			
FM	(30°-60°)	1735.5	19.6			
FH	(60°-80°)	2272.7	25.7			G2/5000
FVH	(80°-90°)	234.3	2.6			G3/500
BL	(0°-30°)	182.0	2.1	B1/500		
BM	(30°-60°)	1735.5	19.6	B2/2500		
BH	(60°-80°)	2272.7	25.7	B3/2500		G2/5000
BVH	(80°-90°)	234.3	2.6			G3/500
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G3

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	338.6	338.6	338.6	338.6	338.6	338.6	338.6	338.6	338.6	338.6	338.6
2.5°	338.6	338.6	338.6	338.6	338.6	338.6	338.6	338.6	338.6	338.6	338.6
5°	345.7	345.7	345.7	345.7	342.2	342.2	342.2	342.2	342.2	342.2	342.2
7.5°	352.9	352.9	352.9	352.9	349.3	349.3	349.3	349.3	349.3	349.3	349.3
10°	360.0	360.0	360.0	356.4	356.4	356.4	352.9	352.9	352.9	352.9	352.9
12.5°	367.1	367.1	363.5	360.0	360.0	360.0	356.4	356.4	356.4	360.0	360.0
15°	374.2	374.2	370.7	367.1	367.1	367.1	363.5	363.5	363.5	367.1	367.1
17.5°	392.1	392.1	388.5	384.9	384.9	384.9	381.4	377.8	381.4	384.9	384.9
20°	413.4	409.9	406.3	406.3	406.3	402.8	399.2	399.2	402.8	406.3	406.3
22.5°	431.3	434.8	434.8	438.4	438.4	431.3	427.7	420.6	431.3	434.8	438.4
25°	470.5	470.5	477.6	481.2	477.6	474.0	470.5	466.9	470.5	477.6	477.6
27.5°	531.1	531.1	523.9	527.5	523.9	516.8	523.9	520.4	516.8	516.8	516.8
30°	598.8	591.7	581.0	577.4	577.4	570.3	577.4	577.4	566.7	566.7	566.7
32.5°	666.5	659.4	648.7	638.0	641.6	634.4	638.0	641.6	623.7	627.3	623.7
35°	734.2	734.2	730.7	716.4	716.4	709.3	709.3	712.8	695.0	702.1	695.0
37.5°	826.9	826.9	823.3	809.1	801.9	801.9	794.8	794.8	780.6	787.7	787.7
40°	940.9	940.9	940.9	933.8	919.6	908.9	908.9	898.2	887.5	898.2	901.7
42.5°	1087.1	1094.2	1090.6	1090.6	1076.4	1065.7	1055.0	1040.7	1037.2	1055.0	1058.6
45°	1283.1	1293.8	1286.7	1300.9	1272.4	1258.2	1251.0	1229.7	1226.1	1243.9	1243.9
47.5°	1525.5	1525.5	1511.2	1532.6	1493.4	1479.1	1472.0	1436.4	1450.6	1461.3	1450.6
50°	1796.4	1789.2	1767.8	1803.5	1757.2	1739.3	1728.6	1675.2	1707.3	1710.8	1710.8
52.5°	2110.0	2095.8	2070.8	2113.6	2045.9	2045.9	2020.9	1971.0	2020.9	1996.0	1996.0
55°	2373.8	2345.2	2313.2	2370.2	2302.5	2277.5	2288.2	2202.7	2259.7	2227.6	2231.2
57.5°	2562.7	2509.2	2477.1	2519.9	2455.7	2455.7	2434.4	2345.2	2420.1	2366.6	2370.2
60°	2662.5	2616.1	2566.2	2626.8	2537.7	2544.8	2523.5	2455.7	2516.3	2466.4	2462.9
62.5°	2726.6	2708.8	2655.3	2708.8	2662.5	2612.6	2662.5	2555.5	2616.1	2544.8	2527.0
65°	2822.8	2733.7	2662.5	2715.9	2655.3	2691.0	2676.7	2552.0	2626.8	2573.4	2562.7
67.5°	2723.1	2673.2	2616.1	2676.7	2580.5	2601.9	2587.6	2498.5	2548.4	2502.1	2466.4
70°	2544.8	2544.8	2434.4	2487.8	2455.7	2434.4	2462.9	2348.8	2384.5	2359.5	2306.0
72.5°	2370.2	2288.2	2202.7	2249.0	2206.2	2266.8	2241.9	2138.5	2167.0	2131.4	2102.9
75°	2038.7	1992.4	1935.4	1960.3	1889.0	1956.7	1906.8	1853.4	1889.0	1832.0	1810.6
77.5°	1643.1	1650.2	1571.8	1589.6	1550.4	1564.7	1564.7	1500.5	1525.5	1497.0	1464.9
80°	1261.7	1233.2	1151.2	1194.0	1165.5	1172.6	1190.4	1115.6	1129.9	1122.7	1094.2
82.5°	848.3	826.9	780.6	798.4	766.3	777.0	780.6	730.7	734.2	734.2	702.1
85°	395.6	406.3	367.1	360.0	345.7	338.6	342.2	306.5	317.2	320.8	285.1
87.5°	49.9	49.9	42.8	39.2	32.1	28.5	21.4	17.8	17.8	14.3	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)