

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: P553797

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

Issue Date: 7/13/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P553797  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1803-687-4)  
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-A  
Description: LUXESCAPE OUTDOOR ARCHITECTURAL LUMINAIRE  
80 CRI, 3000K LEDS AND TYPE V OPTIC, ARM MOUNT  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 9538 lumens  
Efficiency: N/A  
Efficacy: 99.4 lumens/watt  
Luminous Opening: Circular (Dia: 1.62' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B3 - U0 - G2

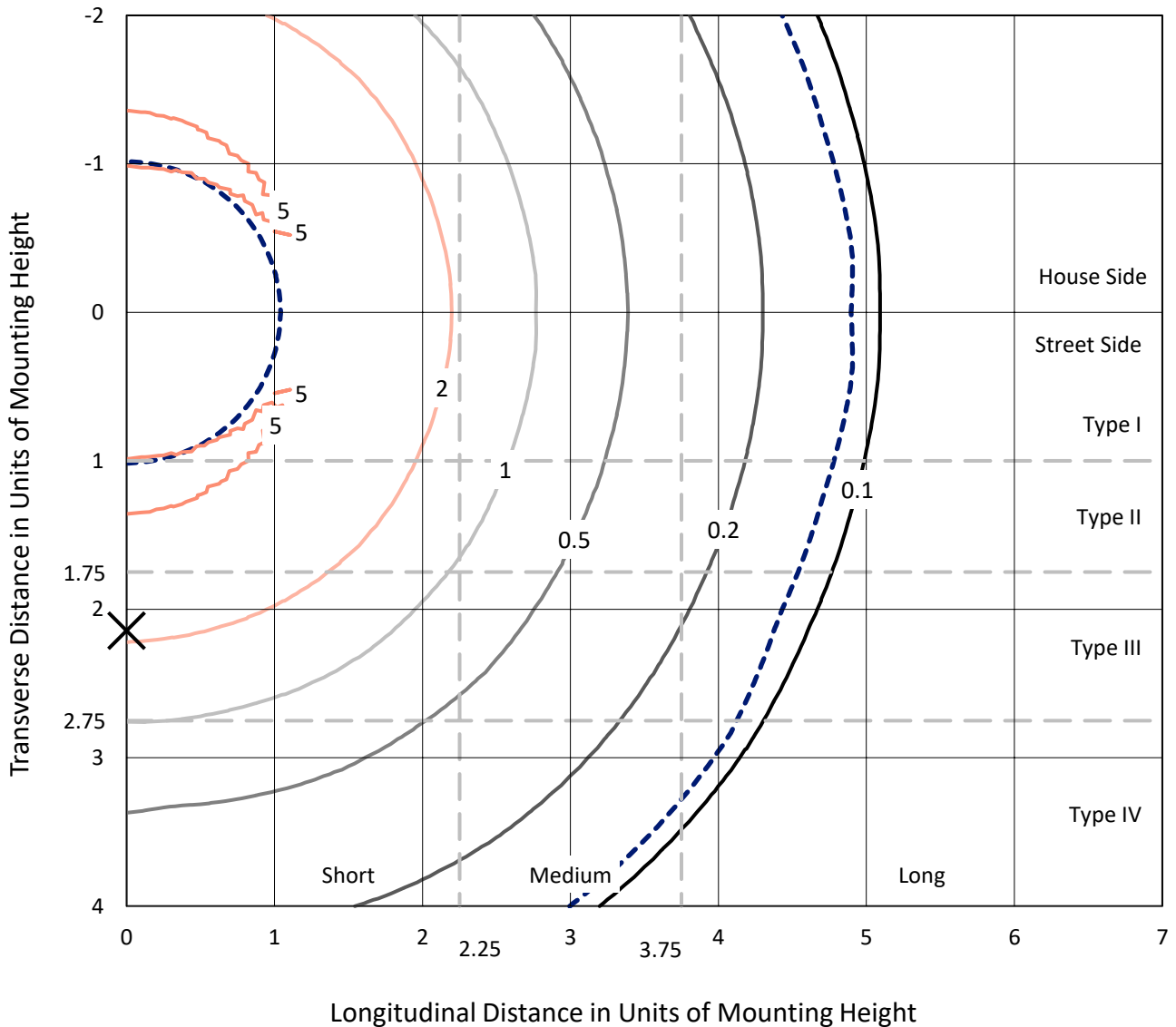
Input Watts (W): 96  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 28.75 FT



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### Iso-Footcandle Lines of Horizontal Illumination

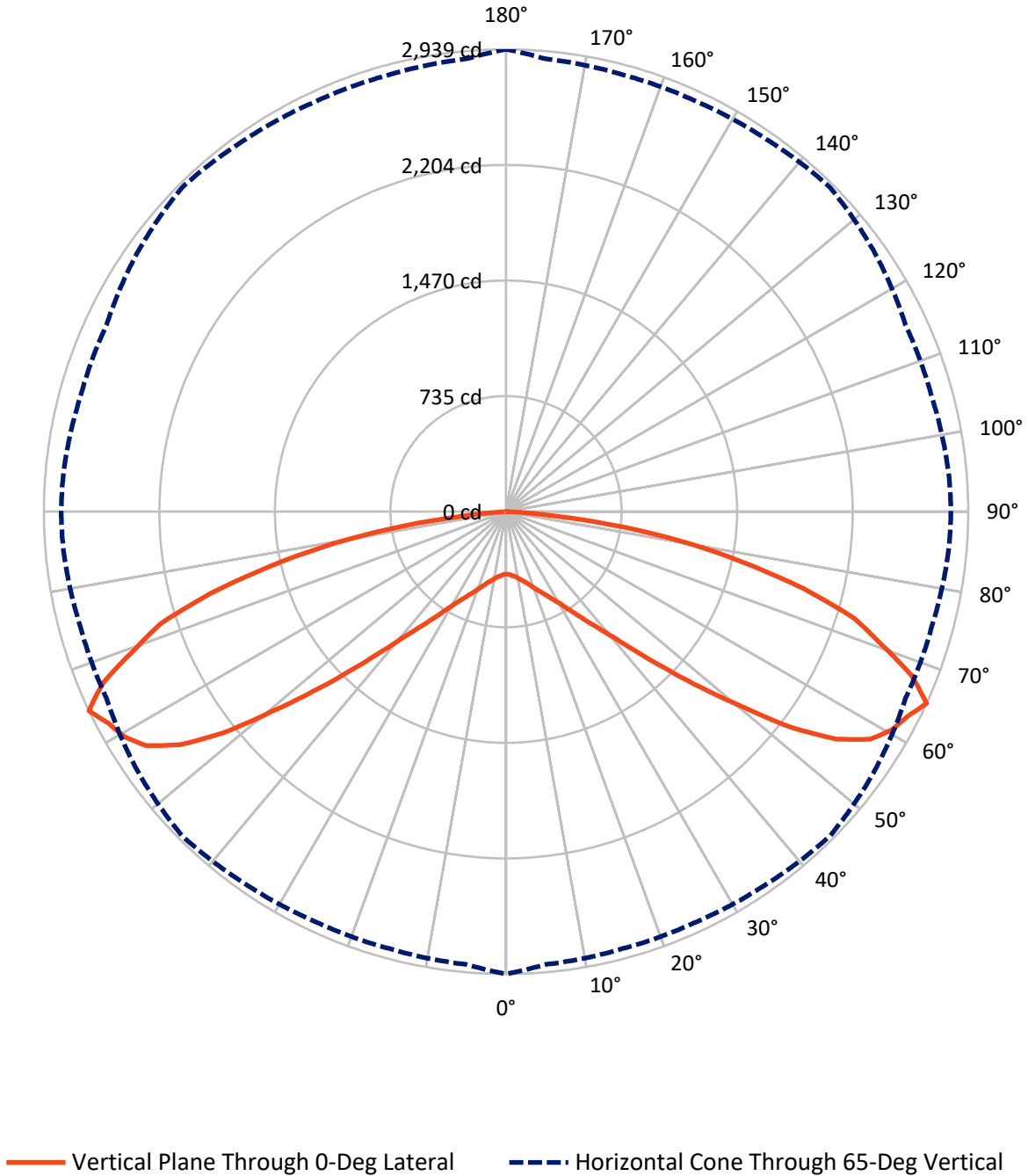
× Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 5.2 fc  
 Type V - Short - N/A

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### Luminous Intensity Polar Plot



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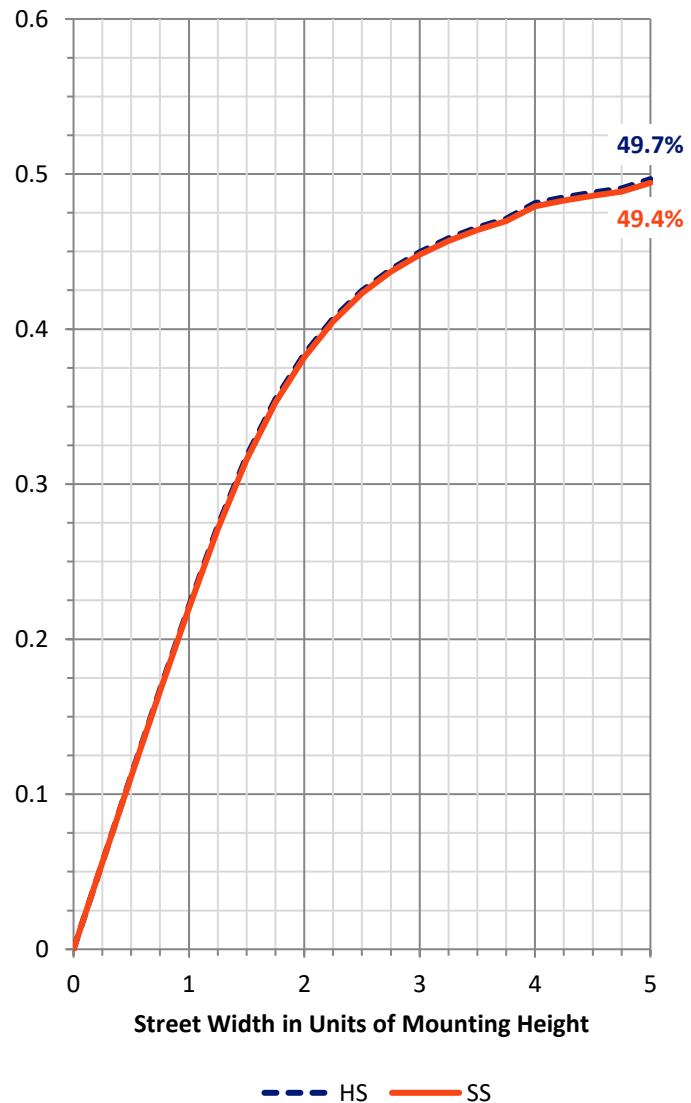
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	4769.0	0.0	4769.0
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	4769.0	0.0	4769.0
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	9538.0	0.0	9538.0
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	39.4	0.4
10°-20°	133.6	1.4
20°-30°	272.4	2.9
30°-40°	520.0	5.5
40°-50°	1105.5	11.6
50°-60°	2179.6	22.9
60°-70°	2768.7	29.0
70°-80°	2076.1	21.8
80°-90°	442.8	4.6
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°	9538.0	100.0
0°-180°	9538.0	100.0



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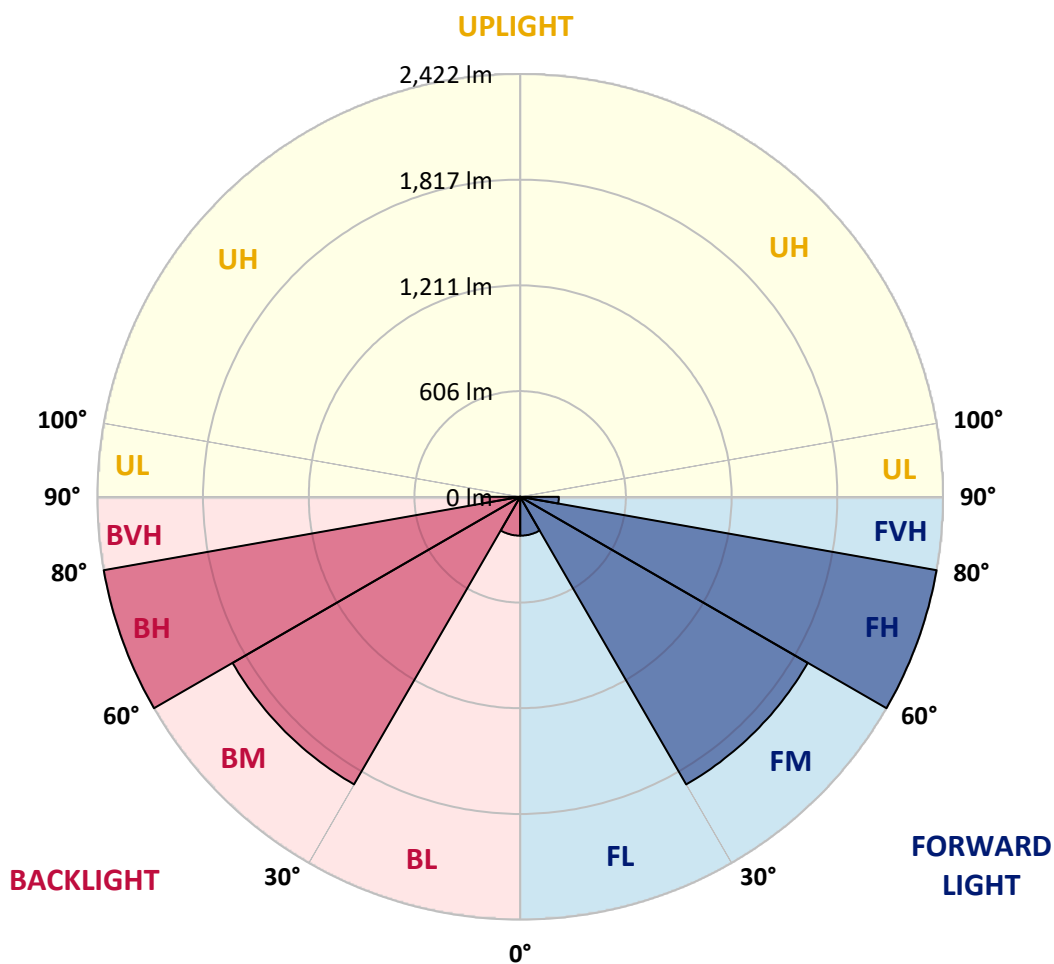
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	222.7	2.3			
FM	(30°-60°)	1902.6	19.9			
FH	(60°-80°)	2422.4	25.4			G2/5000
FVH	(80°-90°)	221.4	2.3			G2/225
BL	(0°-30°)	222.7	2.3	B1/500		
BM	(30°-60°)	1902.6	19.9	B2/2500		
BH	(60°-80°)	2422.4	25.4	B3/2500		G2/5000
BVH	(80°-90°)	221.4	2.3			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





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	398.0	398.0	398.0	398.0	398.0	398.0	398.0	398.0	398.0	398.0	398.0
2.5°	398.0	398.0	398.0	398.0	398.0	398.0	398.0	398.0	398.0	398.0	398.0
5°	408.7	405.2	405.2	405.2	405.2	405.2	405.2	405.2	405.2	405.2	405.2
7.5°	415.8	415.8	415.8	415.8	415.8	415.8	415.8	415.8	415.8	415.8	415.8
10°	430.0	430.0	430.0	430.0	430.0	430.0	426.5	426.5	426.5	426.5	426.5
12.5°	447.8	447.8	447.8	444.2	444.2	444.2	444.2	444.2	444.2	444.2	444.2
15°	465.6	465.6	465.6	465.6	465.6	462.0	462.0	462.0	462.0	462.0	462.0
17.5°	490.4	490.4	490.4	486.9	486.9	486.9	486.9	483.3	486.9	486.9	486.9
20°	518.9	518.9	515.3	515.3	515.3	515.3	511.8	511.8	511.8	511.8	511.8
22.5°	550.9	550.9	547.3	547.3	547.3	543.8	543.8	540.2	540.2	540.2	540.2
25°	586.4	586.4	582.8	582.8	582.8	579.3	575.7	575.7	575.7	575.7	575.7
27.5°	629.1	629.1	625.5	625.5	621.9	618.4	614.8	614.8	614.8	614.8	614.8
30°	678.8	678.8	678.8	675.3	671.7	668.1	664.6	661.0	661.0	661.0	661.0
32.5°	746.3	742.8	742.8	735.7	735.7	728.6	725.0	721.5	721.5	721.5	717.9
35°	828.1	824.5	821.0	821.0	813.9	806.7	799.6	796.1	792.5	792.5	792.5
37.5°	924.0	924.0	916.9	909.8	906.3	899.2	892.0	888.5	884.9	884.9	877.8
40°	1044.9	1044.9	1041.3	1034.2	1023.5	1016.4	1016.4	1009.3	1005.8	1002.2	998.7
42.5°	1211.9	1208.3	1201.2	1194.1	1190.6	1172.8	1169.3	1162.1	1158.6	1158.6	1151.5
45°	1421.6	1425.1	1418.0	1403.8	1400.3	1393.2	1375.4	1375.4	1364.7	1357.6	1361.2
47.5°	1670.4	1673.9	1663.3	1649.0	1634.8	1613.5	1620.6	1606.4	1602.8	1595.7	1585.1
50°	1951.1	1947.6	1936.9	1922.7	1919.1	1897.8	1890.7	1880.0	1872.9	1880.0	1865.8
52.5°	2285.2	2285.2	2271.0	2239.0	2221.2	2221.2	2203.5	2192.8	2182.1	2182.1	2171.5
55°	2551.7	2548.2	2530.4	2516.2	2502.0	2473.6	2477.1	2452.2	2430.9	2434.5	2448.7
57.5°	2729.4	2715.2	2704.6	2672.6	2669.0	2665.5	2626.4	2601.5	2601.5	2590.8	2601.5
60°	2818.3	2821.8	2800.5	2779.2	2757.9	2761.4	2718.8	2711.7	2697.5	2701.0	2711.7
62.5°	2864.5	2892.9	2889.4	2868.0	2900.0	2832.5	2860.9	2814.7	2797.0	2793.4	2786.3
65°	2939.1	2889.4	2875.2	2875.2	2889.4	2914.2	2864.5	2804.1	2804.1	2825.4	2829.0
67.5°	2782.8	2779.2	2797.0	2836.1	2811.2	2811.2	2765.0	2736.5	2722.3	2747.2	2733.0
70°	2534.0	2555.3	2558.9	2626.4	2676.1	2622.8	2629.9	2562.4	2544.6	2583.7	2555.3
72.5°	2313.6	2221.2	2288.8	2374.0	2406.0	2441.6	2384.7	2331.4	2313.6	2335.0	2342.1
75°	1954.7	1890.7	1983.1	2057.7	2057.7	2096.8	2029.3	2015.1	2011.5	2004.4	2011.5
77.5°	1535.3	1496.2	1556.6	1624.2	1681.0	1666.8	1649.0	1613.5	1620.6	1638.4	1624.2
80°	1119.5	1059.1	1098.2	1165.7	1229.7	1236.8	1243.9	1194.1	1187.0	1215.5	1211.9
82.5°	664.6	632.6	664.6	721.5	778.3	792.5	792.5	774.8	760.5	785.4	796.1
85°	227.5	252.3	234.6	252.3	295.0	305.6	316.3	305.6	316.3	334.1	312.7
87.5°	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6
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)