

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: P553793

Luminaire Tested: **LXS-VA4-730-U-SYM-S**

Issue Date: 7/13/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P553793  
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-VA4-730-U-SYM-S  
Description: LUXESCAPE OUTDOOR ARCHITECTURAL LUMINAIRE  
70 CRI, 3000K LEDS AND TYPE V OPTIC, SPIDER MOUNT  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 9807 lumens  
Efficiency: N/A  
Efficacy: 102.2 lumens/watt  
Luminous Opening: Circular (Dia: 1.62' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B4 - U0 - G3

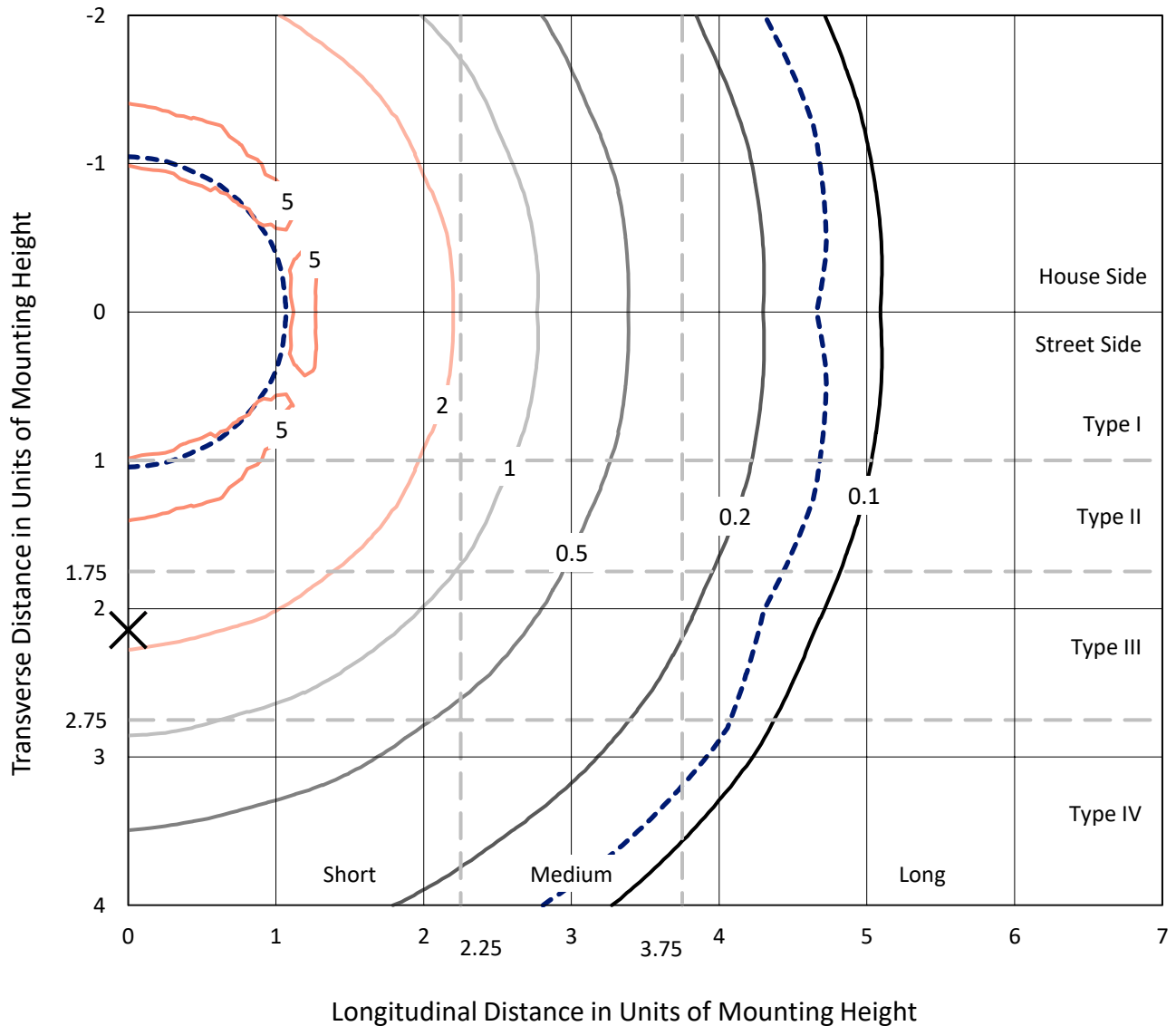
Input Watts (W): 96  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 28.75 FT



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### Iso-Footcandle Lines of Horizontal Illumination

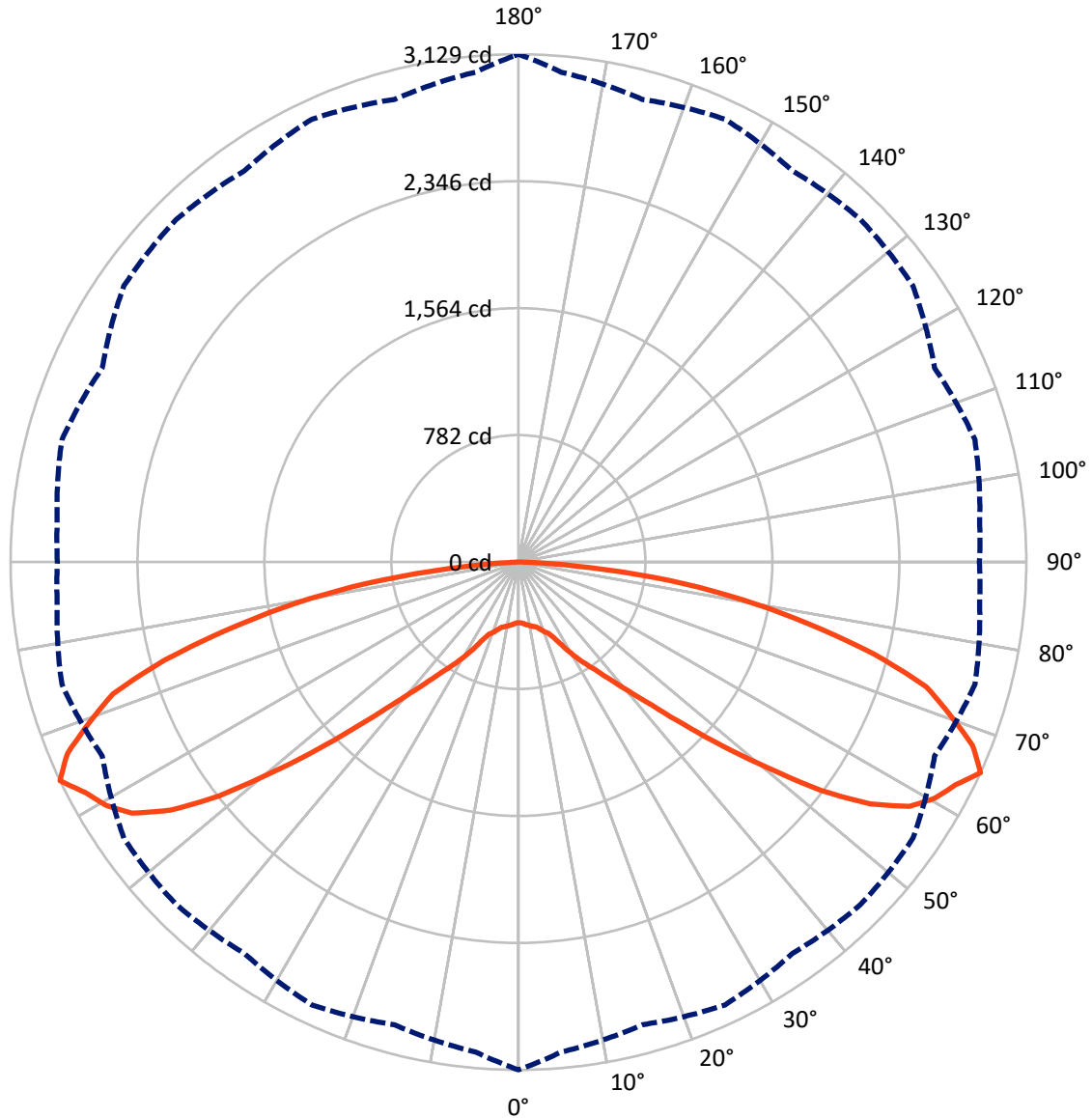
× Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 5.3 fc  
 Type V - Short - N/A

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CATALOG NUMBER: LXS-VA4-730-U-SYM-S

### Luminous Intensity Polar Plot



— Vertical Plane Through 0-Deg Lateral      - - - Horizontal Cone Through 65-Deg Vertical

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CATALOG NUMBER: LXS-VA4-730-U-SYM-S

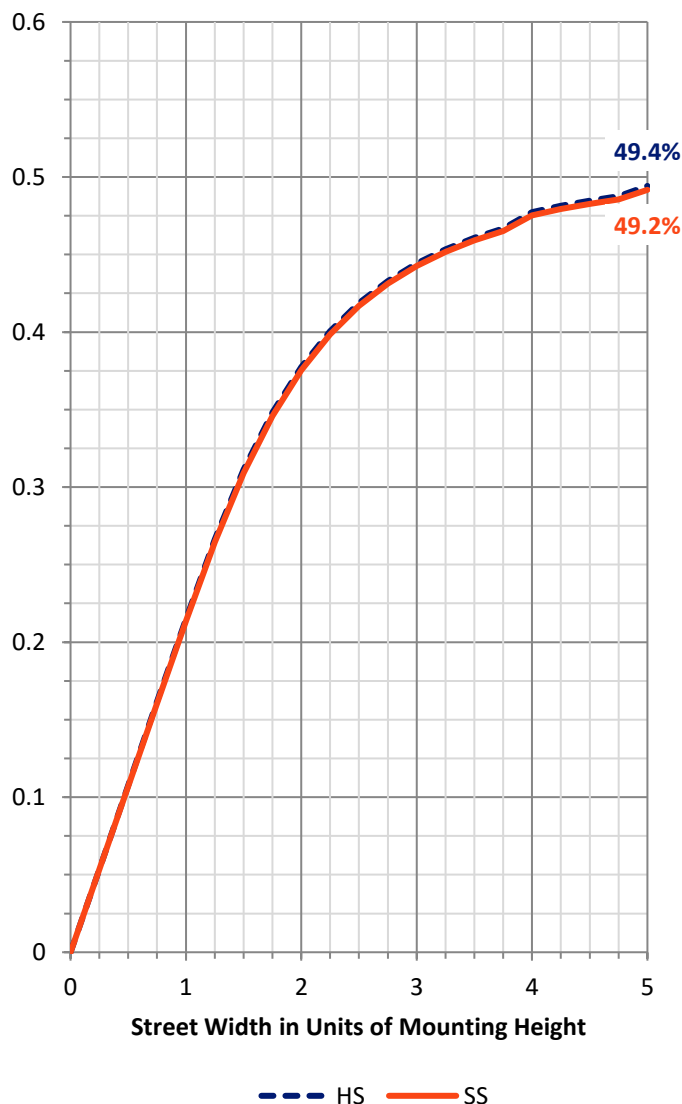
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	4903.5	0.0	4903.5
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	4903.5	0.0	4903.5
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	9807.0	0.0	9807.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	36.8	0.4
10°-20°	117.9	1.2
20°-30°	248.8	2.5
30°-40°	509.5	5.2
40°-50°	1113.2	11.4
50°-60°	2224.0	22.7
60°-70°	2850.5	29.1
70°-80°	2186.9	22.3
80°-90°	519.4	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°	9807.0	100.0
0°-180°	9807.0	100.0

**Coefficient of Utilization**



REPORT NUMBER: P553793

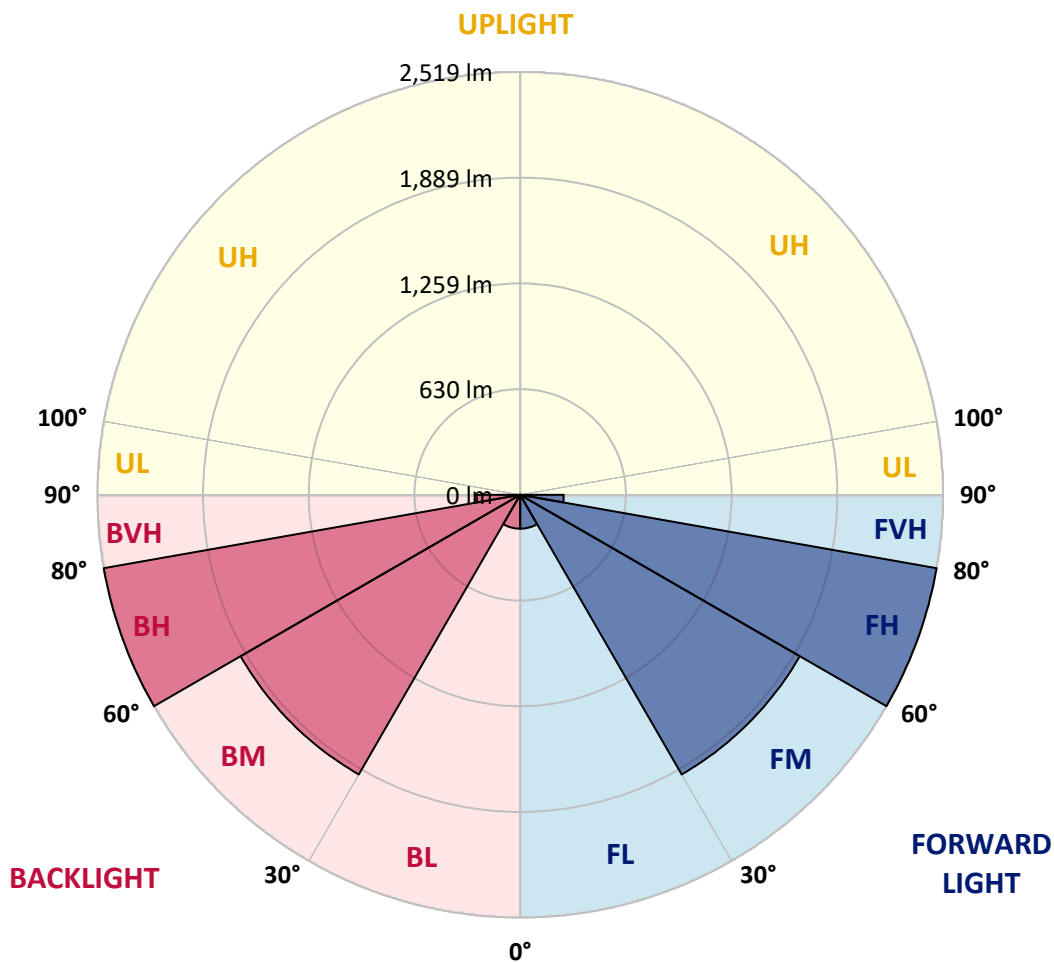
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	201.8	2.1			
FM	(30°-60°)	1923.4	19.6			
FH	(60°-80°)	2518.7	25.7			G2/5000
FVH	(80°-90°)	259.7	2.6			G3/500
BL	(0°-30°)	201.8	2.1	B1/500		
BM	(30°-60°)	1923.4	19.6	B2/2500		
BH	(60°-80°)	2518.7	25.7	B4/5000		G2/5000
BVH	(80°-90°)	259.7	2.6			G3/500
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B4-U0-G3**

Type V Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	375.3	375.3	375.3	375.3	375.3	375.3	375.3	375.3	375.3	375.3	375.3
2.5°	375.3	375.3	375.3	375.3	375.3	375.3	375.3	375.3	375.3	375.3	375.3
5°	383.2	383.2	383.2	383.2	379.2	379.2	379.2	379.2	379.2	379.2	379.2
7.5°	391.1	391.1	391.1	391.1	387.1	387.1	387.1	387.1	387.1	387.1	387.1
10°	399.0	399.0	399.0	395.0	395.0	395.0	391.1	391.1	391.1	391.1	391.1
12.5°	406.9	406.9	402.9	399.0	399.0	399.0	395.0	395.0	395.0	399.0	399.0
15°	414.8	414.8	410.8	406.9	406.9	406.9	402.9	402.9	402.9	406.9	406.9
17.5°	434.5	434.5	430.6	426.6	426.6	426.6	422.7	418.7	422.7	426.6	426.6
20°	458.2	454.3	450.3	450.3	450.3	446.4	442.4	442.4	446.4	450.3	450.3
22.5°	478.0	481.9	481.9	485.9	485.9	478.0	474.0	466.1	478.0	481.9	485.9
25°	521.4	521.4	529.3	533.3	529.3	525.4	521.4	517.5	521.4	529.3	529.3
27.5°	588.6	588.6	580.7	584.6	580.7	572.8	580.7	576.7	572.8	572.8	572.8
30°	663.6	655.7	643.9	639.9	639.9	632.0	639.9	639.9	628.1	628.1	628.1
32.5°	738.7	730.8	718.9	707.1	711.0	703.1	707.1	711.0	691.3	695.2	691.3
35°	813.7	813.7	809.8	794.0	794.0	786.1	786.1	790.0	770.3	778.2	770.3
37.5°	916.4	916.4	912.5	896.7	888.8	888.8	880.9	880.9	865.1	873.0	873.0
40°	1042.8	1042.8	1042.8	1034.9	1019.1	1007.3	1007.3	995.4	983.6	995.4	999.4
42.5°	1204.8	1212.7	1208.7	1208.7	1192.9	1181.1	1169.2	1153.4	1149.5	1169.2	1173.2
45°	1422.0	1433.9	1426.0	1441.8	1410.2	1394.4	1386.5	1362.8	1358.8	1378.6	1378.6
47.5°	1690.6	1690.6	1674.8	1698.5	1655.1	1639.3	1631.4	1591.9	1607.7	1619.5	1607.7
50°	1990.8	1982.9	1959.2	1998.7	1947.4	1927.6	1915.8	1856.5	1892.1	1896.0	1896.0
52.5°	2338.4	2322.6	2295.0	2342.4	2267.3	2267.3	2239.7	2184.4	2239.7	2212.0	2212.0
55°	2630.7	2599.1	2563.6	2626.8	2551.7	2524.1	2535.9	2441.1	2504.3	2468.8	2472.7
57.5°	2840.1	2780.8	2745.3	2792.7	2721.6	2721.6	2697.9	2599.1	2682.1	2622.8	2626.8
60°	2950.7	2899.3	2844.0	2911.2	2812.4	2820.3	2796.6	2721.6	2788.7	2733.4	2729.5
62.5°	3021.8	3002.1	2942.8	3002.1	2950.7	2895.4	2950.7	2832.2	2899.3	2820.3	2800.6
65°	3128.5	3029.7	2950.7	3010.0	2942.8	2982.3	2966.5	2828.2	2911.2	2851.9	2840.1
67.5°	3017.9	2962.6	2899.3	2966.5	2859.8	2883.5	2867.7	2769.0	2824.3	2772.9	2733.4
70°	2820.3	2820.3	2697.9	2757.1	2721.6	2697.9	2729.5	2603.1	2642.6	2614.9	2555.7
72.5°	2626.8	2535.9	2441.1	2492.5	2445.1	2512.2	2484.6	2370.0	2401.6	2362.1	2330.5
75°	2259.4	2208.1	2144.9	2172.5	2093.5	2168.6	2113.3	2054.0	2093.5	2030.3	2006.6
77.5°	1821.0	1828.9	1742.0	1761.7	1718.3	1734.1	1734.1	1663.0	1690.6	1659.0	1623.5
80°	1398.3	1366.7	1275.9	1323.3	1291.7	1299.6	1319.3	1236.4	1252.2	1244.3	1212.7
82.5°	940.1	916.4	865.1	884.8	849.3	861.1	865.1	809.8	813.7	813.7	778.2
85°	438.5	450.3	406.9	399.0	383.2	375.3	379.2	339.7	351.6	355.5	316.0
87.5°	55.3	55.3	47.4	43.5	35.6	31.6	23.7	19.8	19.8	15.8	11.9
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)