

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: P553796

Luminaire Tested: **LXS-VA4-740-U-SYM-S**

Issue Date: 7/13/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P553796  
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-VA4-740-U-SYM-S  
Description: LUXESCAPE OUTDOOR ARCHITECTURAL LUMINAIRE  
70 CRI, 4000K LEDS AND TYPE V OPTIC, SPIDER MOUNT  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 10595 lumens  
Efficiency: N/A  
Efficacy: 110.4 lumens/watt  
Luminous Opening: Circular (Dia: 1.62' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B4 - U0 - G3

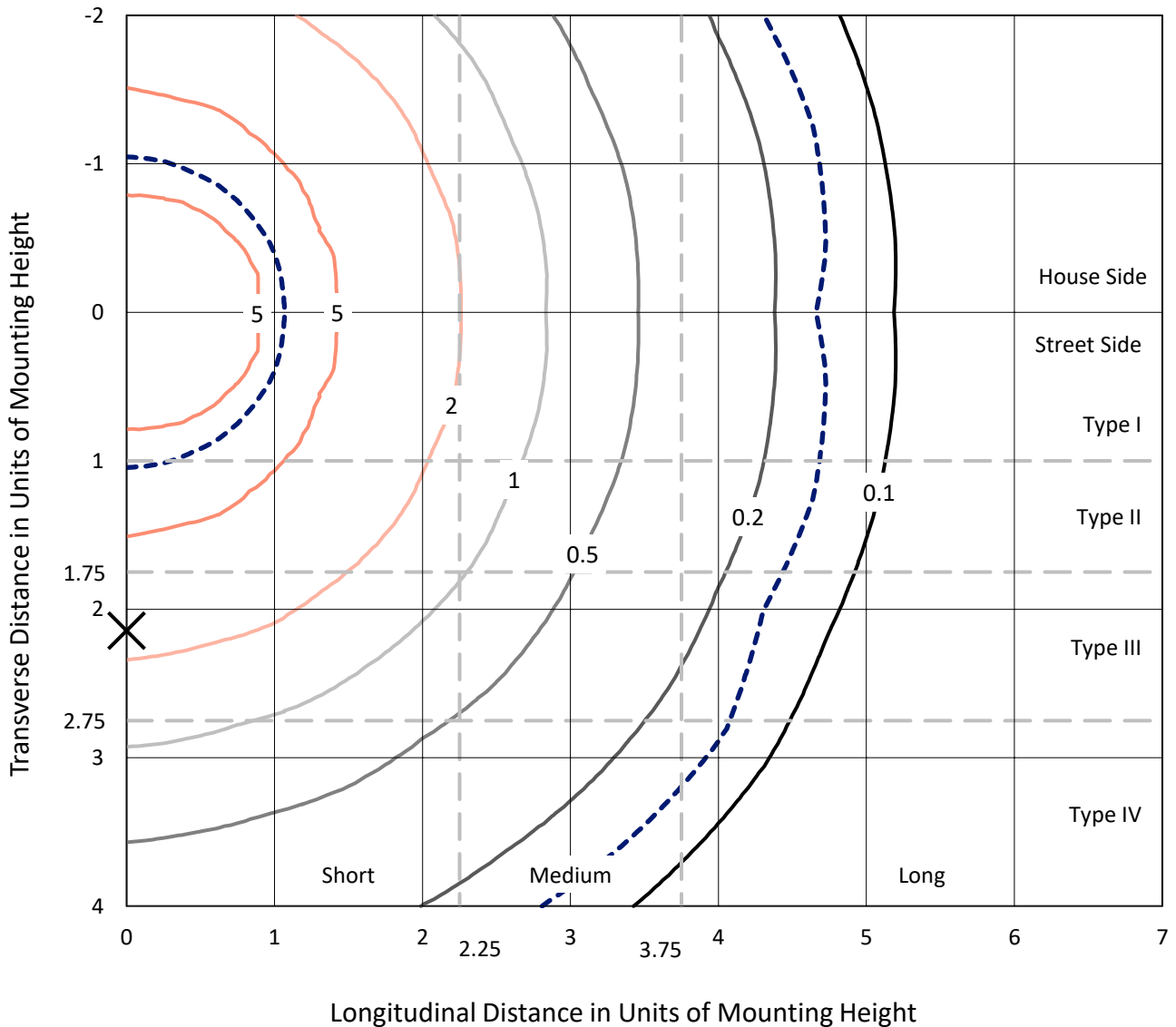
Input Watts (W): 96  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 28.75 FT



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### Iso-Footcandle Lines of Horizontal Illumination

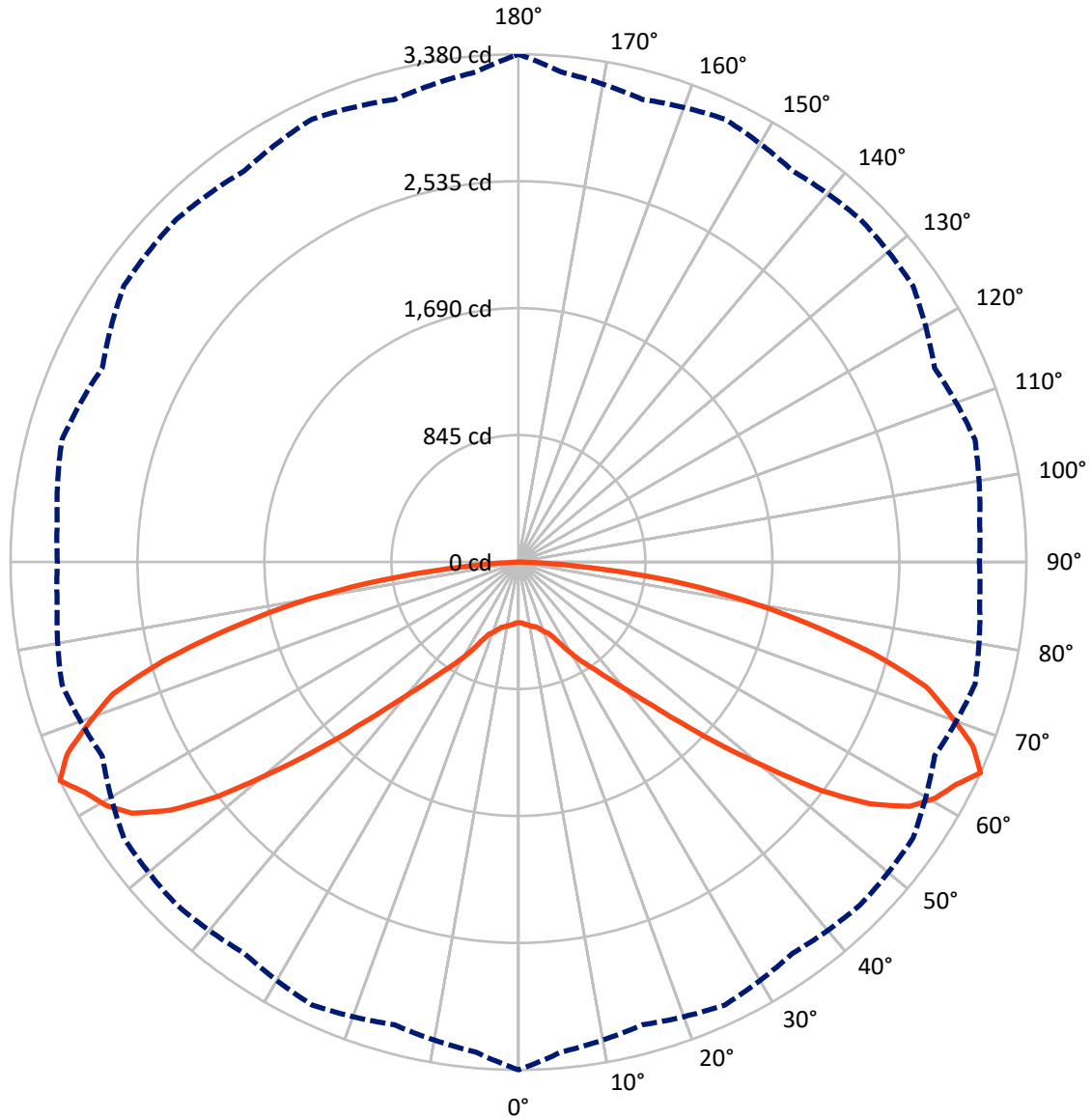
× Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 5.7 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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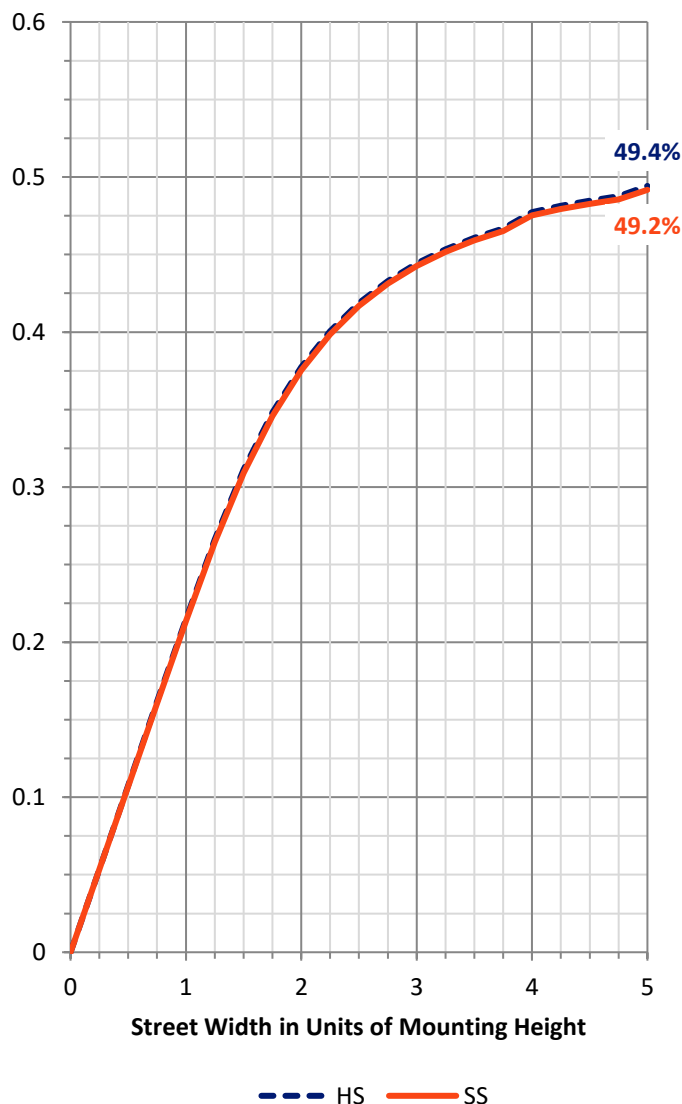
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	5297.5	0.0	5297.5
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	5297.5	0.0	5297.5
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	10595.0	0.0	10595.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	39.8	0.4
10°-20°	127.4	1.2
20°-30°	268.7	2.5
30°-40°	550.4	5.2
40°-50°	1202.6	11.4
50°-60°	2402.8	22.7
60°-70°	3079.5	29.1
70°-80°	2362.7	22.3
80°-90°	561.1	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°	10595.0	100.0
0°-180°	10595.0	100.0

**Coefficient of Utilization**



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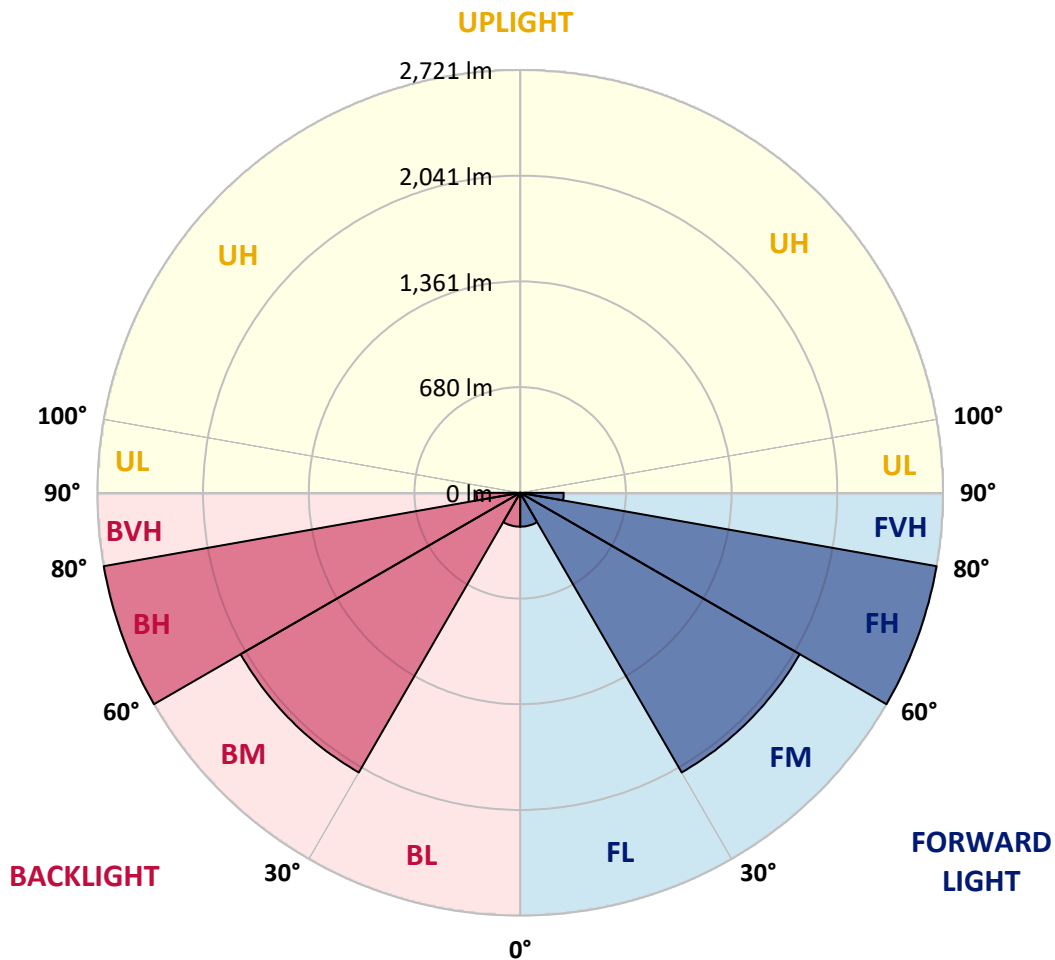
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	218.0	2.1			
FM (30°-60°)	2077.9	19.6			
FH (60°-80°)	2721.1	25.7			G2/5000
FVH (80°-90°)	280.5	2.6			G3/500
BL (0°-30°)	218.0	2.1	B1/500		
BM (30°-60°)	2077.9	19.6	B2/2500		
BH (60°-80°)	2721.1	25.7	B4/5000		G2/5000
BVH (80°-90°)	280.5	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°	405.4	405.4	405.4	405.4	405.4	405.4	405.4	405.4	405.4	405.4	405.4
2.5°	405.4	405.4	405.4	405.4	405.4	405.4	405.4	405.4	405.4	405.4	405.4
5°	413.9	413.9	413.9	413.9	409.7	409.7	409.7	409.7	409.7	409.7	409.7
7.5°	422.5	422.5	422.5	422.5	418.2	418.2	418.2	418.2	418.2	418.2	418.2
10°	431.0	431.0	431.0	426.7	426.7	426.7	422.5	422.5	422.5	422.5	422.5
12.5°	439.5	439.5	435.3	431.0	431.0	431.0	426.7	426.7	426.7	431.0	431.0
15°	448.1	448.1	443.8	439.5	439.5	439.5	435.3	435.3	435.3	439.5	439.5
17.5°	469.4	469.4	465.2	460.9	460.9	460.9	456.6	452.4	456.6	460.9	460.9
20°	495.0	490.8	486.5	486.5	486.5	482.2	478.0	478.0	482.2	486.5	486.5
22.5°	516.4	520.6	520.6	524.9	524.9	516.4	512.1	503.6	516.4	520.6	524.9
25°	563.3	563.3	571.8	576.1	571.8	567.6	563.3	559.0	563.3	571.8	571.8
27.5°	635.9	635.9	627.3	631.6	627.3	618.8	627.3	623.0	618.8	618.8	618.8
30°	716.9	708.4	695.6	691.3	691.3	682.8	691.3	691.3	678.5	678.5	678.5
32.5°	798.0	789.5	776.7	763.9	768.1	759.6	763.9	768.1	746.8	751.1	746.8
35°	879.1	879.1	874.8	857.8	857.8	849.2	849.2	853.5	832.2	840.7	832.2
37.5°	990.1	990.1	985.8	968.7	960.2	960.2	951.6	951.6	934.6	943.1	943.1
40°	1126.6	1126.6	1126.6	1118.1	1101.0	1088.2	1088.2	1075.4	1062.6	1075.4	1079.7
42.5°	1301.6	1310.1	1305.8	1305.8	1288.8	1276.0	1263.2	1246.1	1241.8	1263.2	1267.4
45°	1536.3	1549.1	1540.6	1557.6	1523.5	1506.4	1497.9	1472.3	1468.0	1489.3	1489.3
47.5°	1826.5	1826.5	1809.4	1835.0	1788.1	1771.0	1762.5	1719.8	1736.9	1749.7	1736.9
50°	2150.8	2142.3	2116.7	2159.3	2103.9	2082.5	2069.7	2005.7	2044.1	2048.4	2048.4
52.5°	2526.3	2509.3	2479.4	2530.6	2449.5	2449.5	2419.6	2359.9	2419.6	2389.8	2389.8
55°	2842.1	2808.0	2769.6	2837.9	2756.8	2726.9	2739.7	2637.3	2705.6	2667.2	2671.4
57.5°	3068.3	3004.3	2965.9	3017.1	2940.3	2940.3	2914.7	2808.0	2897.6	2833.6	2837.9
60°	3187.8	3132.3	3072.6	3145.1	3038.4	3047.0	3021.4	2940.3	3012.8	2953.1	2948.8
62.5°	3264.6	3243.3	3179.3	3243.3	3187.8	3128.0	3187.8	3059.8	3132.3	3047.0	3025.6
65°	3379.8	3273.1	3187.8	3251.8	3179.3	3221.9	3204.9	3055.5	3145.1	3081.1	3068.3
67.5°	3260.3	3200.6	3132.3	3204.9	3089.6	3115.2	3098.2	2991.5	3051.2	2995.8	2953.1
70°	3047.0	3047.0	2914.7	2978.7	2940.3	2914.7	2948.8	2812.3	2854.9	2825.1	2761.0
72.5°	2837.9	2739.7	2637.3	2692.8	2641.6	2714.1	2684.2	2560.5	2594.6	2551.9	2517.8
75°	2441.0	2385.5	2317.2	2347.1	2261.8	2342.8	2283.1	2219.1	2261.8	2193.5	2167.9
77.5°	1967.3	1975.8	1881.9	1903.3	1856.3	1873.4	1873.4	1796.6	1826.5	1792.3	1753.9
80°	1510.7	1476.5	1378.4	1429.6	1395.5	1404.0	1425.3	1335.7	1352.8	1344.2	1310.1
82.5°	1015.7	990.1	934.6	955.9	917.5	930.3	934.6	874.8	879.1	879.1	840.7
85°	473.7	486.5	439.5	431.0	413.9	405.4	409.7	367.0	379.8	384.1	341.4
87.5°	59.7	59.7	51.2	46.9	38.4	34.1	25.6	21.3	21.3	17.1	12.8
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)