

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: P553716

Luminaire Tested: **LXS-VA1-830-U-SYM-A**

Issue Date: 7/13/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P553716  
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-VA1-830-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: 2242 lumens  
Efficiency: N/A  
Efficacy: 106.8 lumens/watt  
Luminous Opening: Circular (Dia: 1.62' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B2 - U0 - G1

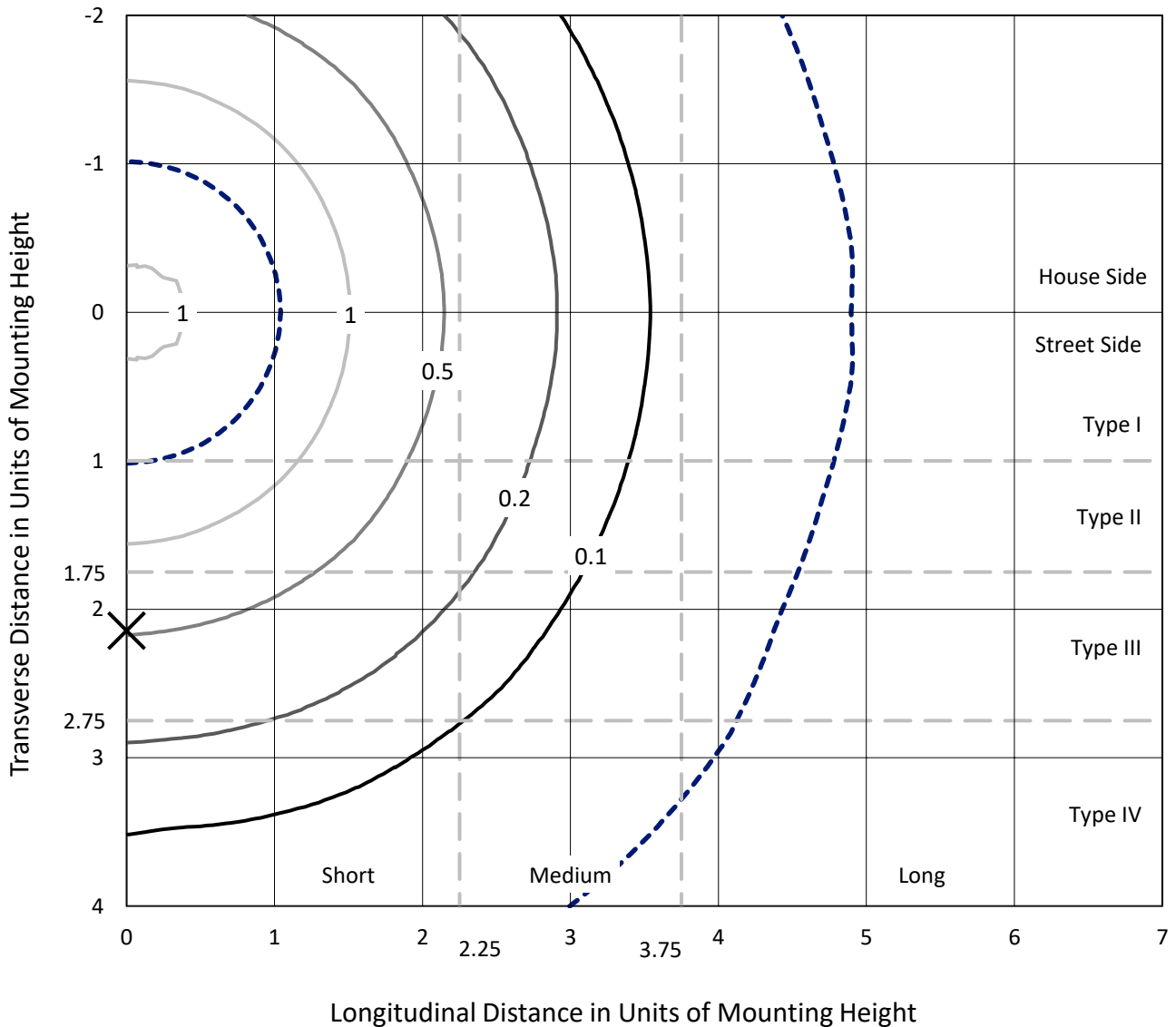
Input Watts (W): 21  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 28.75 FT



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### Iso-Footcandle Lines of Horizontal Illumination

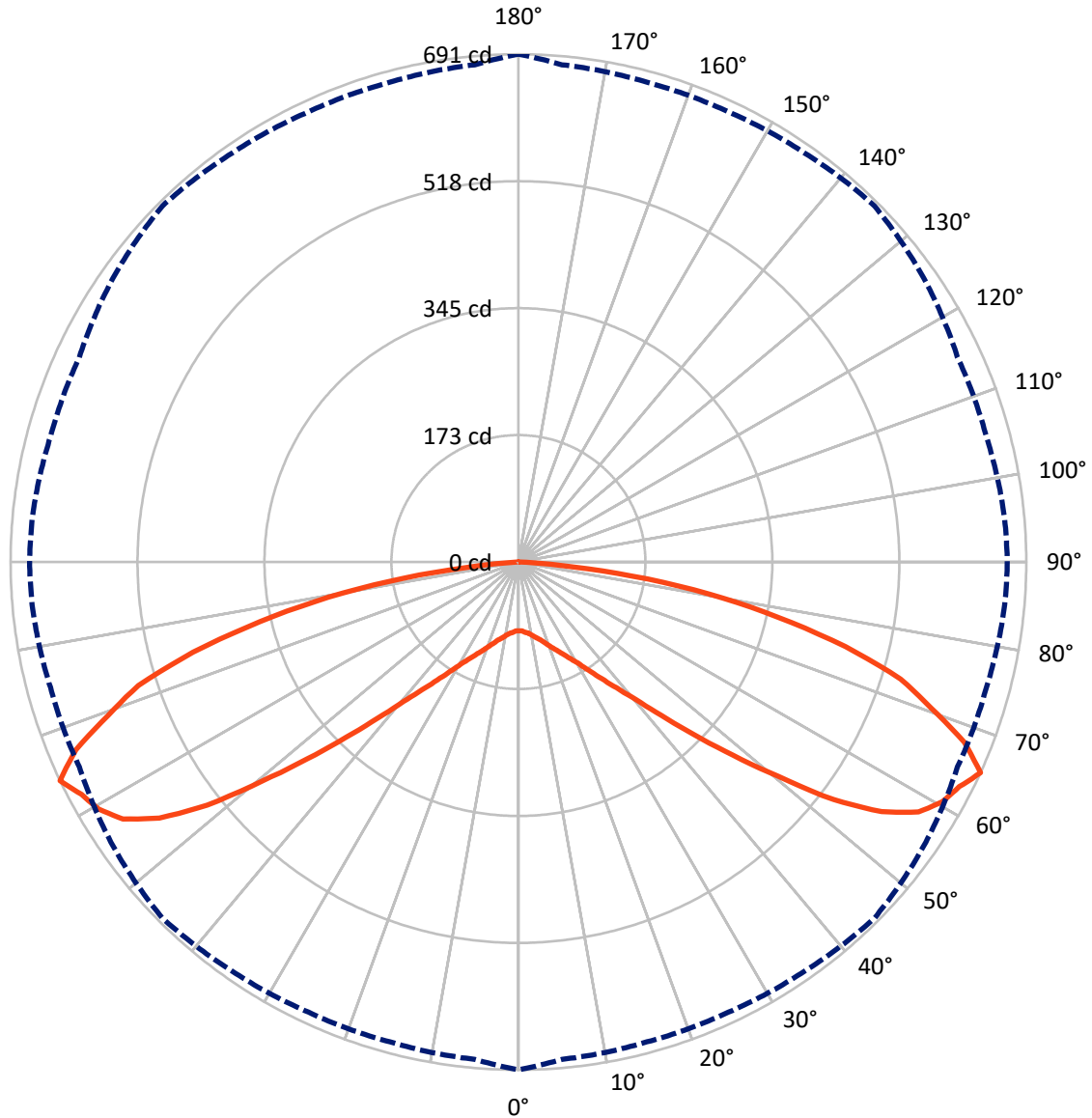
× Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 1.2 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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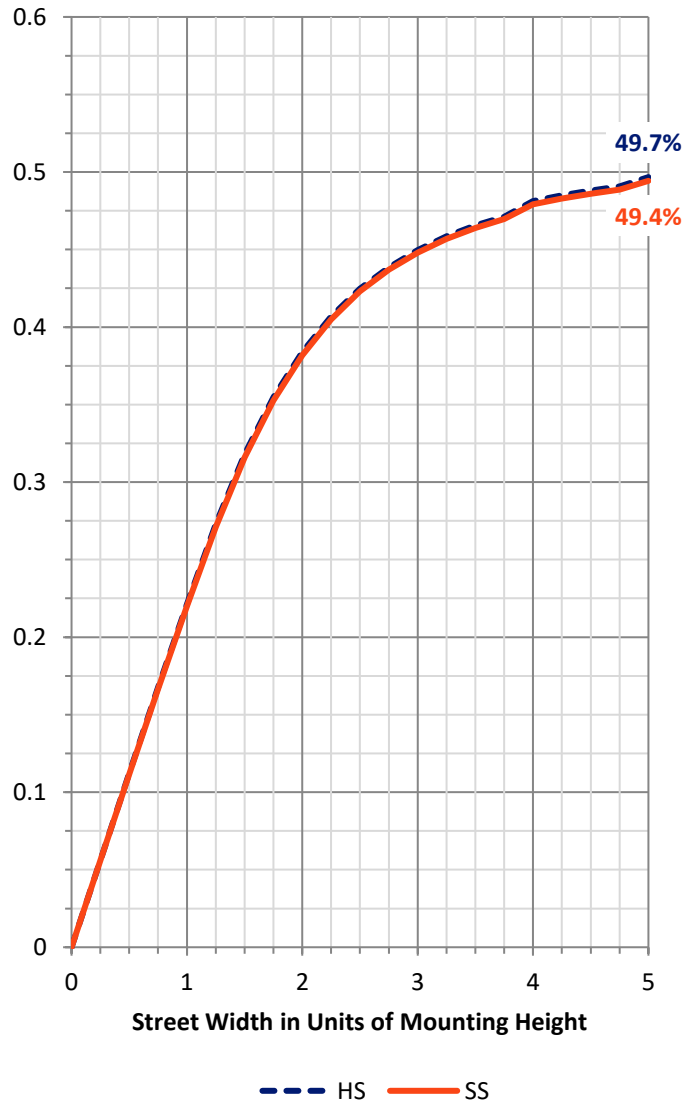
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1121.0	0.0	1121.0
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	1121.0	0.0	1121.0
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	2242.0	0.0	2242.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	9.3	0.4
10°-20°	31.4	1.4
20°-30°	64.0	2.9
30°-40°	122.2	5.5
40°-50°	259.9	11.6
50°-60°	512.3	22.9
60°-70°	650.8	29.0
70°-80°	488.0	21.8
80°-90°	104.1	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°	2242.0	100.0
0°-180°	2242.0	100.0

**Coefficient of Utilization**



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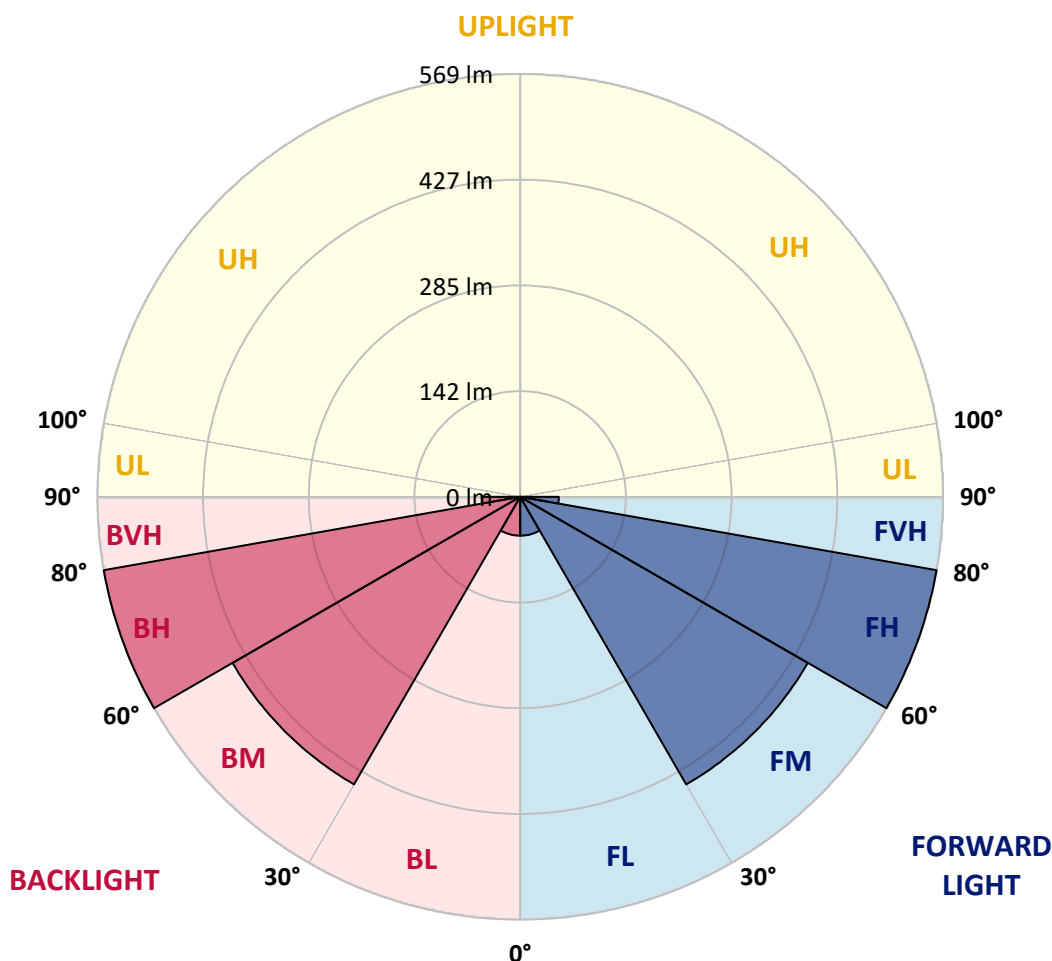
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	52.3	2.3			
FM	(30°-60°)	447.2	19.9			
FH	(60°-80°)	569.4	25.4			G0/660
FVH	(80°-90°)	52.0	2.3			G1/100
BL	(0°-30°)	52.3	2.3	B0/110		
BM	(30°-60°)	447.2	19.9	B1/1000		
BH	(60°-80°)	569.4	25.4	B2/1000		G0/660
BVH	(80°-90°)	52.0	2.3			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B2-U0-G1**

Type V Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6
2.5°	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6
5°	96.1	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2
7.5°	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7
10°	101.1	101.1	101.1	101.1	101.1	101.1	100.2	100.2	100.2	100.2	100.2
12.5°	105.3	105.3	105.3	104.4	104.4	104.4	104.4	104.4	104.4	104.4	104.4
15°	109.4	109.4	109.4	109.4	109.4	108.6	108.6	108.6	108.6	108.6	108.6
17.5°	115.3	115.3	115.3	114.4	114.4	114.4	114.4	113.6	114.4	114.4	114.4
20°	122.0	122.0	121.1	121.1	121.1	121.1	120.3	120.3	120.3	120.3	120.3
22.5°	129.5	129.5	128.7	128.7	128.7	127.8	127.8	127.0	127.0	127.0	127.0
25°	137.8	137.8	137.0	137.0	137.0	136.2	135.3	135.3	135.3	135.3	135.3
27.5°	147.9	147.9	147.0	147.0	146.2	145.4	144.5	144.5	144.5	144.5	144.5
30°	159.6	159.6	159.6	158.7	157.9	157.1	156.2	155.4	155.4	155.4	155.4
32.5°	175.4	174.6	174.6	172.9	172.9	171.3	170.4	169.6	169.6	169.6	168.7
35°	194.6	193.8	193.0	193.0	191.3	189.6	188.0	187.1	186.3	186.3	186.3
37.5°	217.2	217.2	215.5	213.9	213.0	211.4	209.7	208.8	208.0	208.0	206.3
40°	245.6	245.6	244.8	243.1	240.6	238.9	238.9	237.3	236.4	235.6	234.7
42.5°	284.9	284.0	282.4	280.7	279.9	275.7	274.8	273.2	272.3	272.3	270.7
45°	334.2	335.0	333.3	330.0	329.1	327.5	323.3	323.3	320.8	319.1	320.0
47.5°	392.6	393.5	391.0	387.6	384.3	379.3	380.9	377.6	376.8	375.1	372.6
50°	458.6	457.8	455.3	451.9	451.1	446.1	444.4	441.9	440.3	441.9	438.6
52.5°	537.2	537.2	533.8	526.3	522.1	522.1	517.9	515.4	512.9	512.9	510.4
55°	599.8	599.0	594.8	591.5	588.1	581.4	582.3	576.4	571.4	572.2	575.6
57.5°	641.6	638.2	635.7	628.2	627.4	626.5	617.4	611.5	611.5	609.0	611.5
60°	662.5	663.3	658.3	653.3	648.3	649.1	639.1	637.4	634.1	634.9	637.4
62.5°	673.3	680.0	679.2	674.2	681.7	665.8	672.5	661.6	657.5	656.6	654.9
65°	690.9	679.2	675.8	675.8	679.2	685.0	673.3	659.1	659.1	664.1	665.0
67.5°	654.1	653.3	657.5	666.6	660.8	660.8	649.9	643.3	639.9	645.8	642.4
70°	595.6	600.6	601.5	617.4	629.1	616.5	618.2	602.3	598.1	607.3	600.6
72.5°	543.8	522.1	538.0	558.0	565.6	573.9	560.5	548.0	543.8	548.9	550.5
75°	459.5	444.4	466.1	483.7	483.7	492.9	477.0	473.7	472.8	471.2	472.8
77.5°	360.9	351.7	365.9	381.8	395.1	391.8	387.6	379.3	380.9	385.1	381.8
80°	263.1	248.9	258.1	274.0	289.0	290.7	292.4	280.7	279.0	285.7	284.9
82.5°	156.2	148.7	156.2	169.6	183.0	186.3	186.3	182.1	178.8	184.6	187.1
85°	53.5	59.3	55.1	59.3	69.3	71.8	74.3	71.8	74.3	78.5	73.5
87.5°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
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)