

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: P553718

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

Issue Date: 7/13/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P553718  
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-VA1-830-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: 2080 lumens  
Efficiency: N/A  
Efficacy: 99.0 lumens/watt  
Luminous Opening: Circular (Dia: 1.62' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B2 - U0 - G1

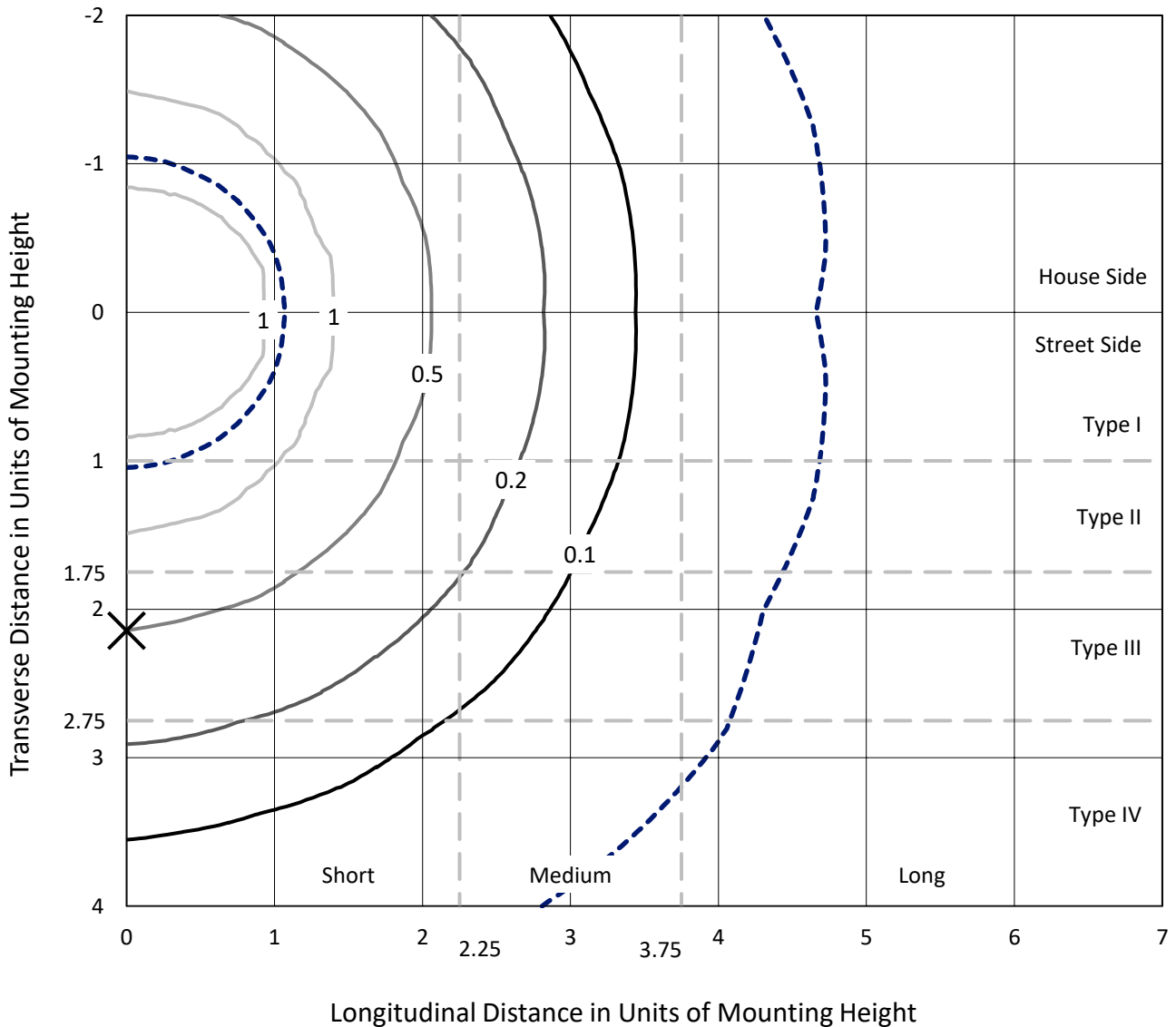
Input Watts (W): 21  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 28.75 FT



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### Iso-Footcandle Lines of Horizontal Illumination

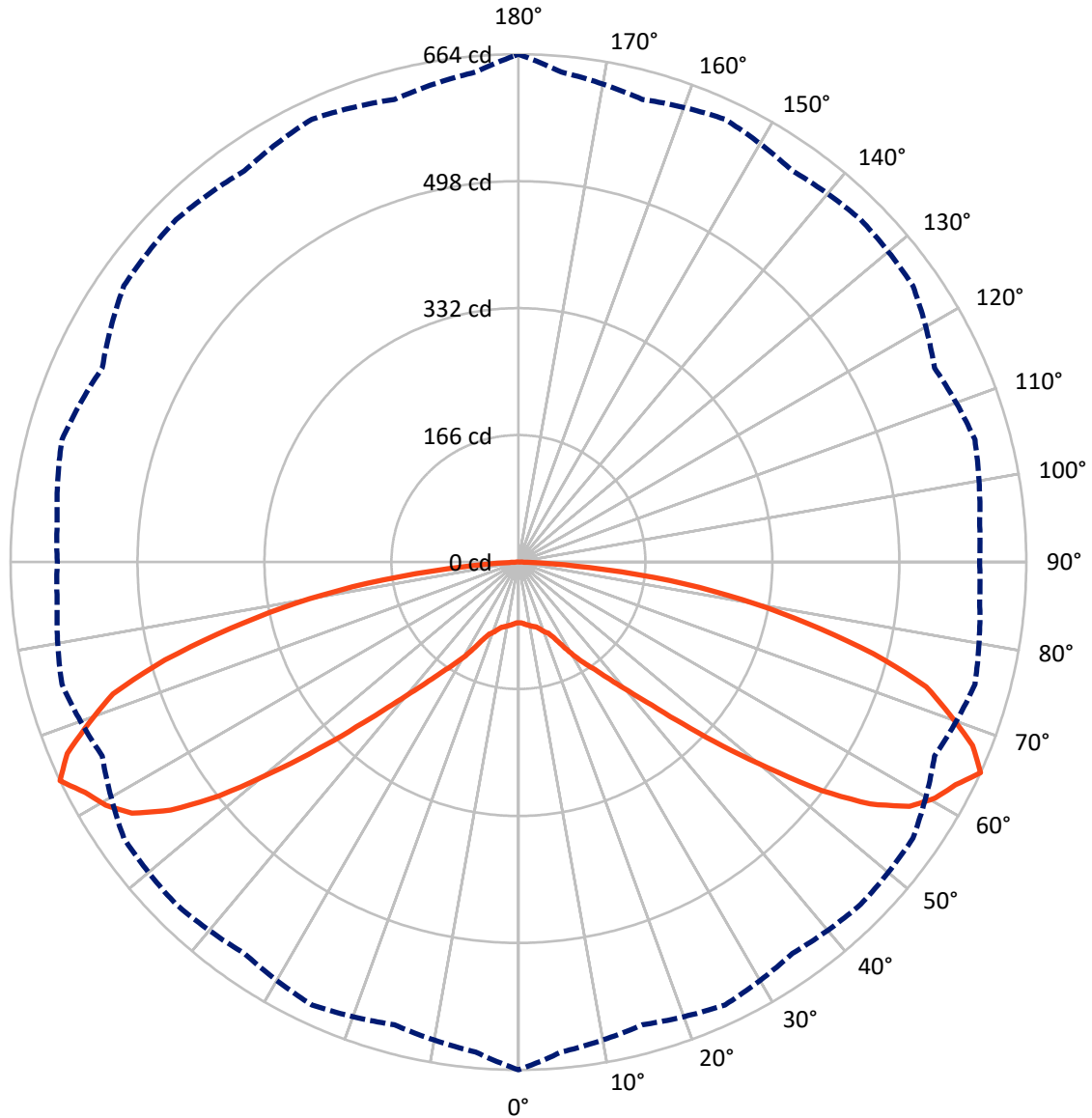
× Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 1.1 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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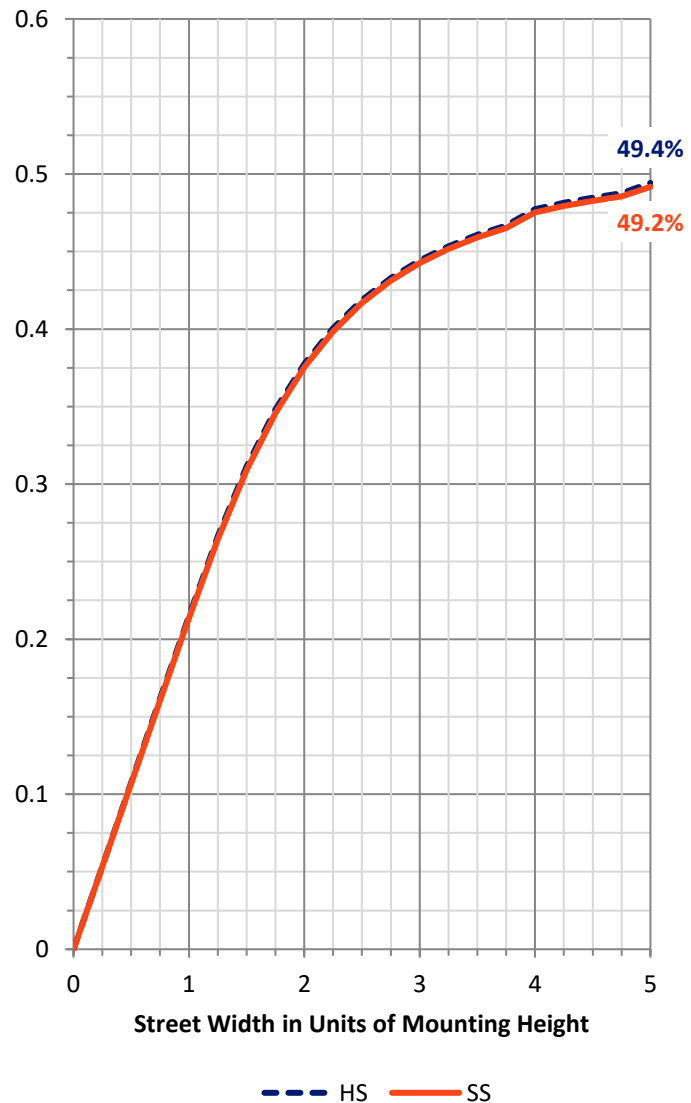
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1040.0	0.0	1040.0
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	1040.0	0.0	1040.0
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	2080.0	0.0	2080.0
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	7.8	0.4
10°-20°	25.0	1.2
20°-30°	52.8	2.5
30°-40°	108.1	5.2
40°-50°	236.1	11.4
50°-60°	471.7	22.7
60°-70°	604.6	29.1
70°-80°	463.8	22.3
80°-90°	110.1	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°	2080.0	100.0
0°-180°	2080.0	100.0



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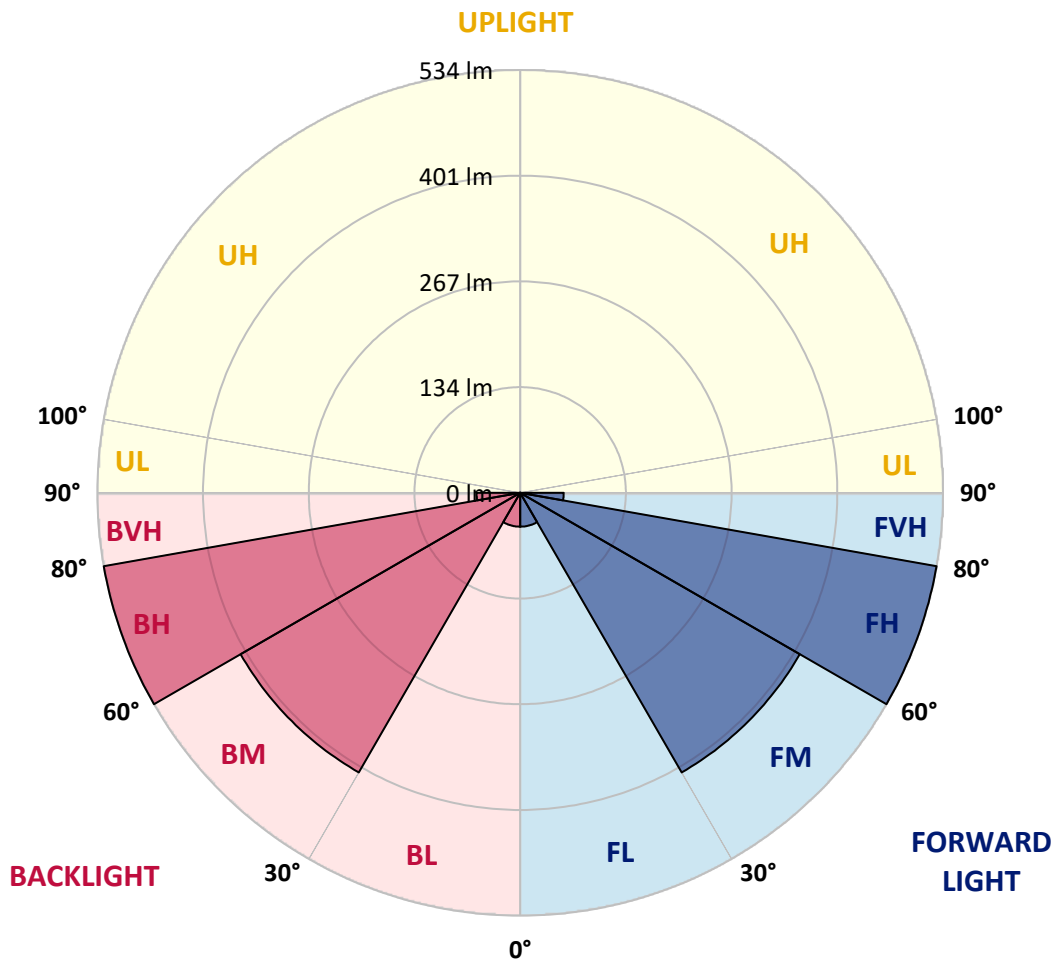
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	42.8	2.1			
FM	(30°-60°)	407.9	19.6			
FH	(60°-80°)	534.2	25.7			G0/660
FVH	(80°-90°)	55.1	2.6			G1/100
BL	(0°-30°)	42.8	2.1	B0/110		
BM	(30°-60°)	407.9	19.6	B1/1000		
BH	(60°-80°)	534.2	25.7	B2/1000		G0/660
BVH	(80°-90°)	55.1	2.6			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°	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6
2.5°	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6
5°	81.3	81.3	81.3	81.3	80.4	80.4	80.4	80.4	80.4	80.4	80.4
7.5°	82.9	82.9	82.9	82.9	82.1	82.1	82.1	82.1	82.1	82.1	82.1
10°	84.6	84.6	84.6	83.8	83.8	83.8	82.9	82.9	82.9	82.9	82.9
12.5°	86.3	86.3	85.5	84.6	84.6	84.6	83.8	83.8	83.8	84.6	84.6
15°	88.0	88.0	87.1	86.3	86.3	86.3	85.5	85.5	85.5	86.3	86.3
17.5°	92.2	92.2	91.3	90.5	90.5	90.5	89.6	88.8	89.6	90.5	90.5
20°	97.2	96.3	95.5	95.5	95.5	94.7	93.8	93.8	94.7	95.5	95.5
22.5°	101.4	102.2	102.2	103.0	103.0	101.4	100.5	98.9	101.4	102.2	103.0
25°	110.6	110.6	112.3	113.1	112.3	111.4	110.6	109.7	110.6	112.3	112.3
27.5°	124.8	124.8	123.2	124.0	123.2	121.5	123.2	122.3	121.5	121.5	121.5
30°	140.7	139.1	136.6	135.7	135.7	134.0	135.7	135.7	133.2	133.2	133.2
32.5°	156.7	155.0	152.5	150.0	150.8	149.1	150.0	150.8	146.6	147.4	146.6
35°	172.6	172.6	171.7	168.4	168.4	166.7	166.7	167.6	163.4	165.0	163.4
37.5°	194.4	194.4	193.5	190.2	188.5	188.5	186.8	186.8	183.5	185.2	185.2
40°	221.2	221.2	221.2	219.5	216.1	213.6	213.6	211.1	208.6	211.1	212.0
42.5°	255.5	257.2	256.4	256.4	253.0	250.5	248.0	244.6	243.8	248.0	248.8
45°	301.6	304.1	302.4	305.8	299.1	295.7	294.1	289.0	288.2	292.4	292.4
47.5°	358.6	358.6	355.2	360.2	351.0	347.7	346.0	337.6	341.0	343.5	341.0
50°	422.2	420.6	415.5	423.9	413.0	408.8	406.3	393.8	401.3	402.1	402.1
52.5°	496.0	492.6	486.8	496.8	480.9	480.9	475.0	463.3	475.0	469.2	469.2
55°	558.0	551.3	543.7	557.1	541.2	535.3	537.9	517.8	531.2	523.6	524.5
57.5°	602.4	589.8	582.3	592.3	577.2	577.2	572.2	551.3	568.9	556.3	557.1
60°	625.8	614.9	603.2	617.4	596.5	598.2	593.2	577.2	591.5	579.7	578.9
62.5°	640.9	636.7	624.1	636.7	625.8	614.1	625.8	600.7	614.9	598.2	594.0
65°	663.5	642.6	625.8	638.4	624.1	632.5	629.2	599.9	617.4	604.9	602.4
67.5°	640.1	628.3	614.9	629.2	606.6	611.6	608.2	587.3	599.0	588.1	579.7
70°	598.2	598.2	572.2	584.8	577.2	572.2	578.9	552.1	560.5	554.6	542.0
72.5°	557.1	537.9	517.8	528.6	518.6	532.8	527.0	502.7	509.4	501.0	494.3
75°	479.2	468.3	454.9	460.8	444.0	459.9	448.2	435.6	444.0	430.6	425.6
77.5°	386.2	387.9	369.5	373.7	364.4	367.8	367.8	352.7	358.6	351.9	344.3
80°	296.6	289.9	270.6	280.7	274.0	275.6	279.8	262.2	265.6	263.9	257.2
82.5°	199.4	194.4	183.5	187.7	180.1	182.6	183.5	171.7	172.6	172.6	165.0
85°	93.0	95.5	86.3	84.6	81.3	79.6	80.4	72.0	74.6	75.4	67.0
87.5°	11.7	11.7	10.1	9.2	7.5	6.7	5.0	4.2	4.2	3.4	2.5
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)