

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: P553798

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

Issue Date: 7/13/2021

Test Information

Test Method: LM-79-08
Report Number: P553798
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1803-687-11-R2)
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-C
Description: LUXESCAPE OUTDOOR ARCHITECTURAL LUMINAIRE
80 CRI, 3000K LEDS AND TYPE V OPTIC, CANTILEVER MOUNT
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8991 lumens
Efficiency: N/A
Efficacy: 93.7 lumens/watt
Luminous Opening: Circular (Dia: 1.62' x H: 0')
IES Classification: Type V - Short
BUG Rating: B3 - U0 - G3

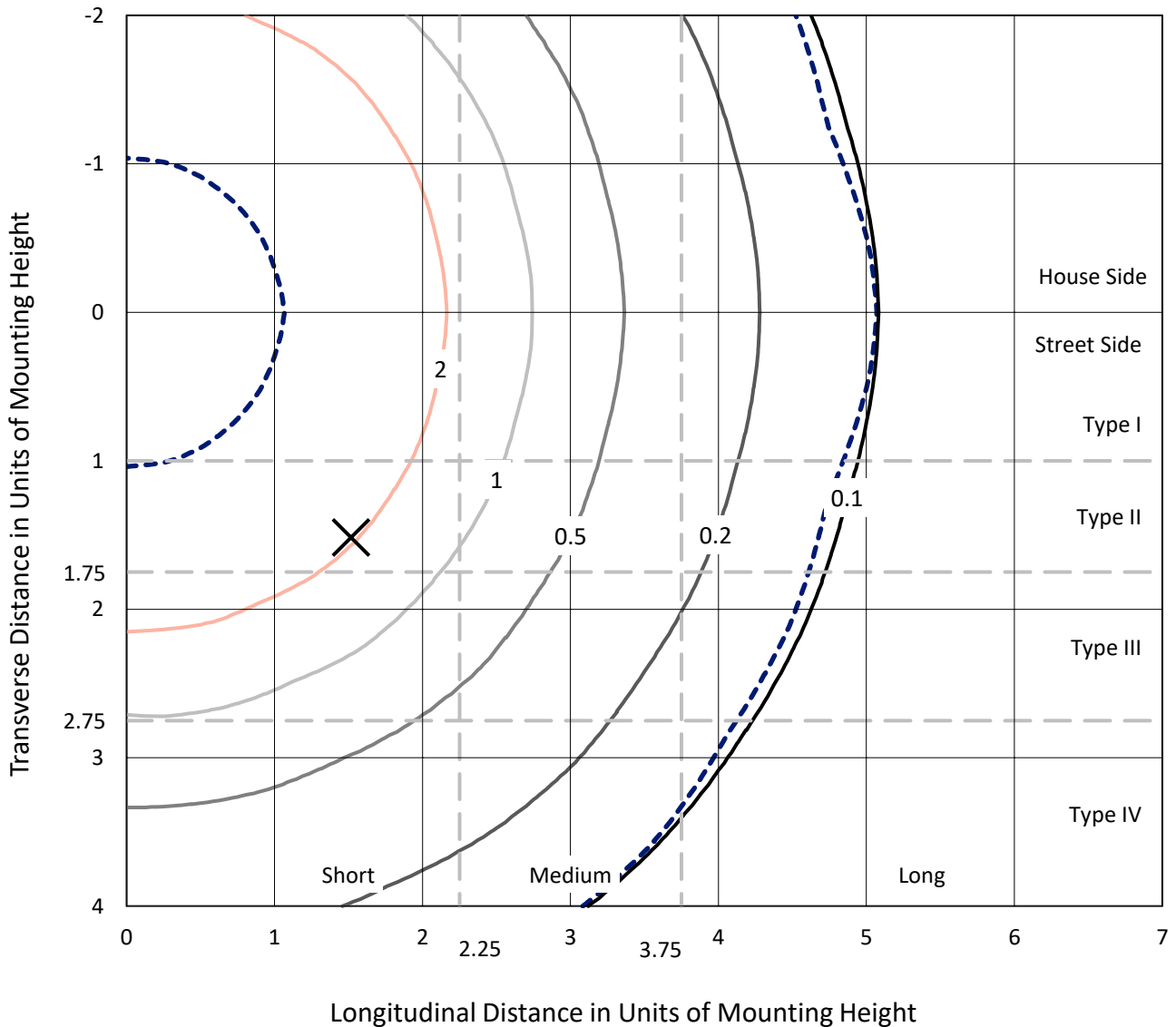
Input Watts (W): 96
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

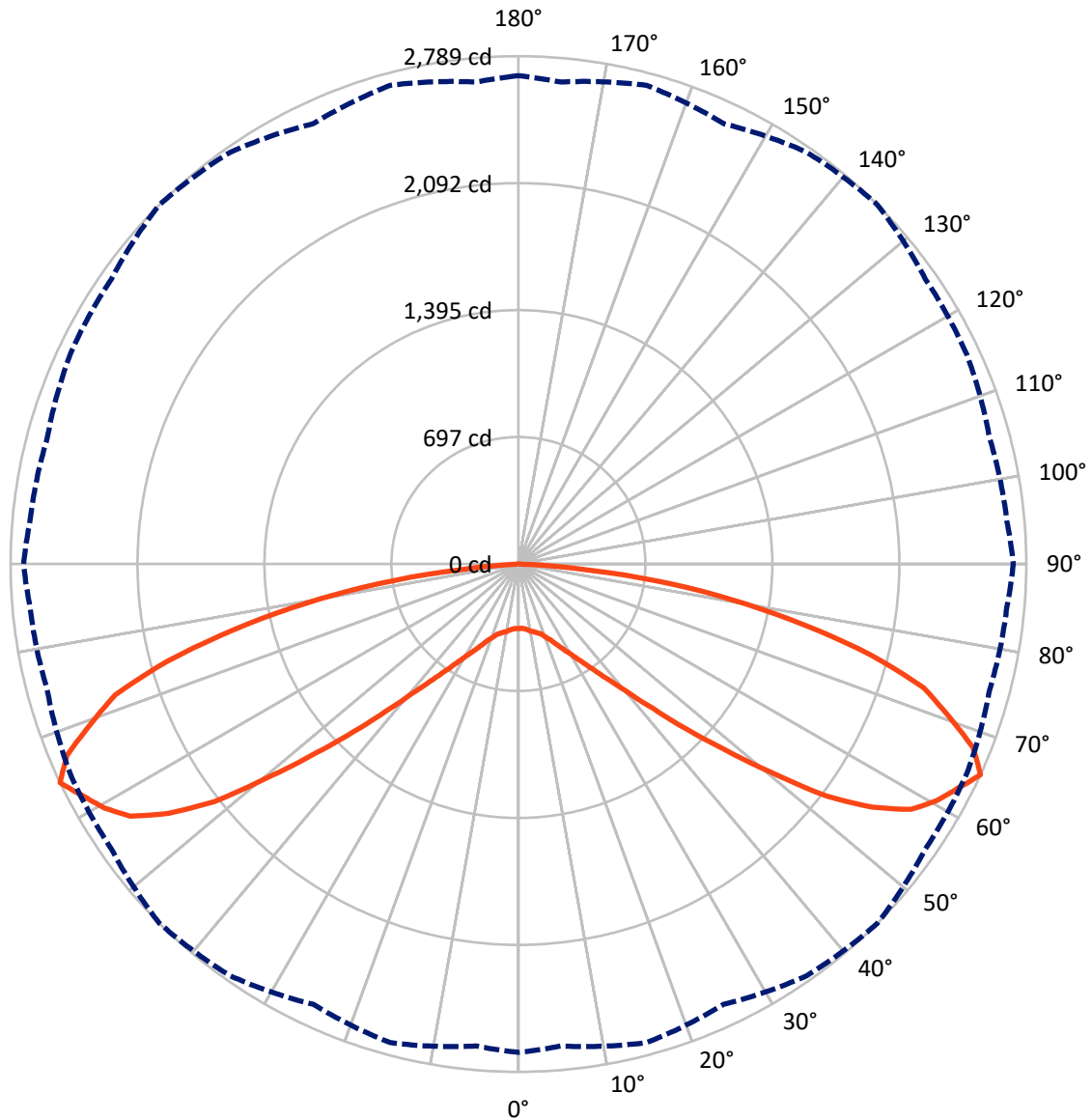
× Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 4.8 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 65-Deg Vertical

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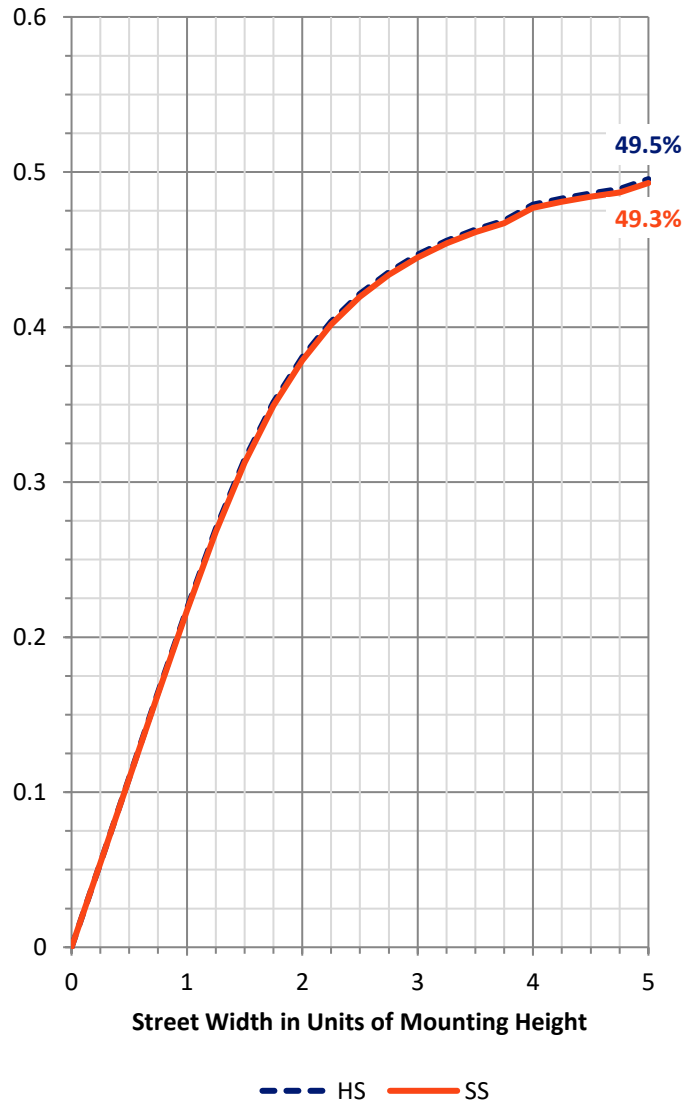
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4495.5	0.0	4495.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	4495.5	0.0	4495.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	8991.0	0.0	8991.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	34.7	0.4
10°-20°	112.5	1.3
20°-30°	230.8	2.6
30°-40°	464.9	5.2
40°-50°	1019.7	11.3
50°-60°	2044.6	22.7
60°-70°	2627.0	29.2
70°-80°	2003.7	22.3
80°-90°	453.1	5.0
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°	8991.0	100.0
0°-180°	8991.0	100.0



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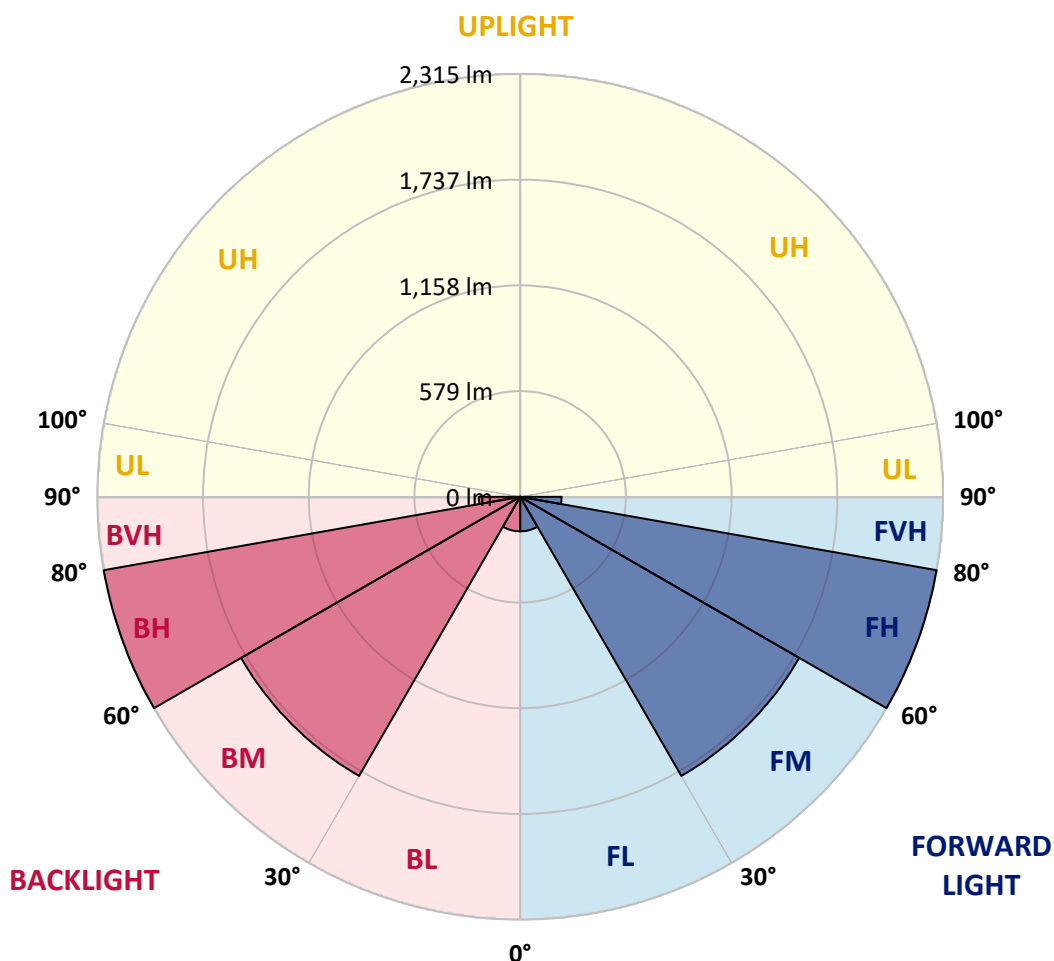
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	189.0	2.1			
FM	(30°-60°)	1764.6	19.6			
FH	(60°-80°)	2315.4	25.8			G2/5000
FVH	(80°-90°)	226.5	2.5			G3/500
BL	(0°-30°)	189.0	2.1	B1/500		
BM	(30°-60°)	1764.6	19.6	B2/2500		
BH	(60°-80°)	2315.4	25.8	B3/2500		G2/5000
BVH	(80°-90°)	226.5	2.5			G3/500
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G3

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	353.6	353.6	353.6	353.6	353.6	353.6	353.6	353.6	353.6	353.6	353.6
2.5°	353.6	353.6	353.6	353.6	353.6	353.6	353.6	353.6	353.6	353.6	353.6
5°	360.7	360.7	357.1	357.1	357.1	357.1	357.1	357.1	357.1	357.1	357.1
7.5°	367.8	367.8	367.8	367.8	364.3	364.3	364.3	364.3	364.3	364.3	364.3
10°	378.6	378.6	375.0	375.0	375.0	375.0	371.4	371.4	371.4	371.4	371.4
12.5°	389.3	385.7	385.7	385.7	385.7	382.1	382.1	382.1	382.1	382.1	382.1
15°	400.0	396.4	396.4	392.8	392.8	392.8	385.7	385.7	389.3	392.8	392.8
17.5°	410.7	410.7	407.1	403.6	403.6	403.6	400.0	392.8	396.4	403.6	403.6
20°	435.7	435.7	432.1	425.0	428.6	428.6	421.4	417.8	421.4	425.0	425.0
22.5°	467.8	467.8	460.7	453.6	457.1	453.6	450.0	442.8	442.8	450.0	450.0
25°	507.1	507.1	496.4	489.3	489.3	489.3	482.1	478.6	475.0	478.6	478.6
27.5°	553.6	553.6	542.8	535.7	532.1	532.1	525.0	521.4	517.8	514.3	510.7
30°	617.8	617.8	600.0	592.8	589.3	589.3	575.0	575.0	571.4	564.3	564.3
32.5°	682.1	682.1	667.8	653.5	653.5	639.3	635.7	639.3	632.1	628.5	625.0
35°	753.5	753.5	735.7	732.1	732.1	714.3	703.5	707.1	707.1	703.5	700.0
37.5°	842.8	842.8	817.8	817.8	821.4	807.1	792.8	796.4	803.5	796.4	789.3
40°	953.5	957.1	928.5	935.7	939.3	925.0	910.7	907.1	921.4	907.1	892.8
42.5°	1107.1	1110.7	1082.1	1085.7	1092.8	1085.7	1075.0	1067.8	1085.7	1057.1	1042.8
45°	1292.8	1303.5	1282.1	1282.1	1289.2	1289.2	1282.1	1278.5	1282.1	1242.8	1228.5
47.5°	1521.4	1532.1	1503.5	1507.1	1524.9	1521.4	1521.4	1517.8	1503.5	1467.8	1439.2
50°	1771.4	1782.1	1760.6	1764.2	1789.2	1796.4	1785.6	1774.9	1760.6	1724.9	1703.5
52.5°	2074.9	2078.5	2082.1	2064.2	2092.8	2117.8	2089.2	2092.8	2071.3	2032.1	2003.5
55°	2310.6	2317.8	2332.1	2310.6	2360.6	2357.1	2360.6	2346.3	2307.1	2278.5	2264.2
57.5°	2471.3	2464.2	2510.6	2467.8	2528.5	2542.8	2507.0	2503.5	2471.3	2442.8	2439.2
60°	2557.0	2564.2	2614.2	2571.3	2617.8	2639.2	2599.9	2617.8	2567.8	2557.0	2564.2
62.5°	2603.5	2642.8	2710.6	2657.0	2760.6	2710.6	2732.0	2721.3	2671.3	2653.5	2657.0
65°	2682.0	2657.0	2721.3	2667.8	2760.6	2789.2	2728.5	2717.8	2678.5	2692.8	2717.8
67.5°	2571.3	2589.2	2671.3	2632.0	2685.6	2692.8	2635.6	2653.5	2599.9	2628.5	2635.6
70°	2385.6	2457.0	2478.5	2442.8	2553.5	2507.0	2499.9	2489.2	2432.1	2485.6	2482.0
72.5°	2210.6	2207.1	2235.6	2207.1	2292.8	2328.5	2267.8	2260.6	2210.6	2249.9	2274.9
75°	1889.2	1917.8	1964.2	1928.5	1957.1	2003.5	1924.9	1953.5	1924.9	1946.4	1974.9
77.5°	1507.1	1564.2	1578.5	1546.4	1603.5	1603.5	1560.7	1564.2	1549.9	1596.4	1596.4
80°	1146.4	1160.7	1153.5	1139.2	1196.4	1189.2	1171.4	1164.2	1139.2	1192.8	1214.2
82.5°	750.0	750.0	750.0	732.1	767.8	775.0	760.7	760.7	735.7	778.5	796.4
85°	321.4	325.0	317.8	271.4	314.3	307.1	317.8	307.1	307.1	342.8	332.1
87.5°	17.9	17.9	17.9	14.3	14.3	14.3	14.3	14.3	14.3	10.7	7.1
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)