

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: P553790

Luminaire Tested: **LXS-VA3-830-U-SYM-S**

Issue Date: 7/13/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P553790  
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-VA3-830-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: 7626 lumens  
Efficiency: N/A  
Efficacy: 88.7 lumens/watt  
Luminous Opening: Circular (Dia: 1.62' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B3 - U0 - G2

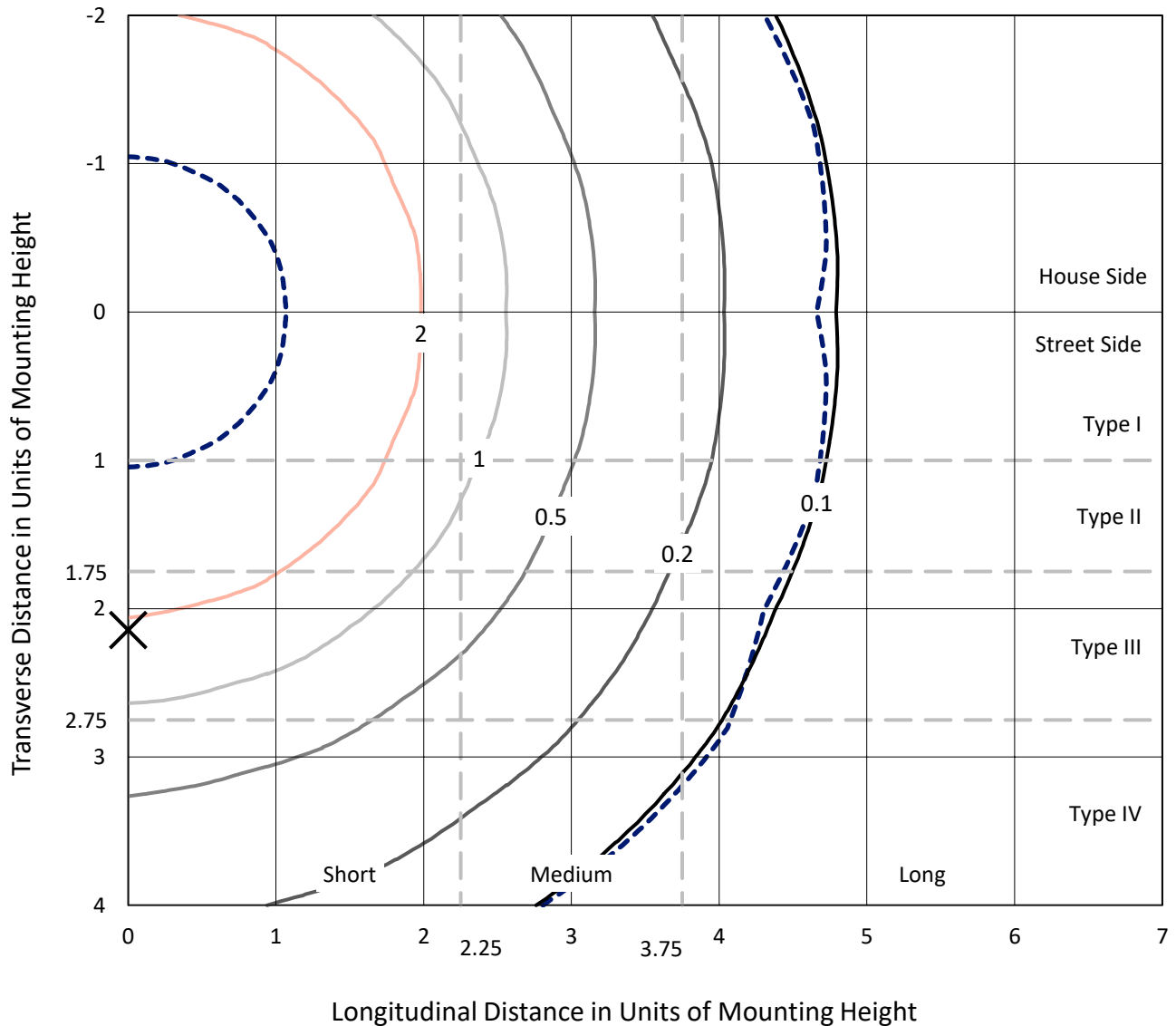
Input Watts (W): 86  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 28.75 FT



REPORT NUMBER: P553790  
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### Iso-Footcandle Lines of Horizontal Illumination

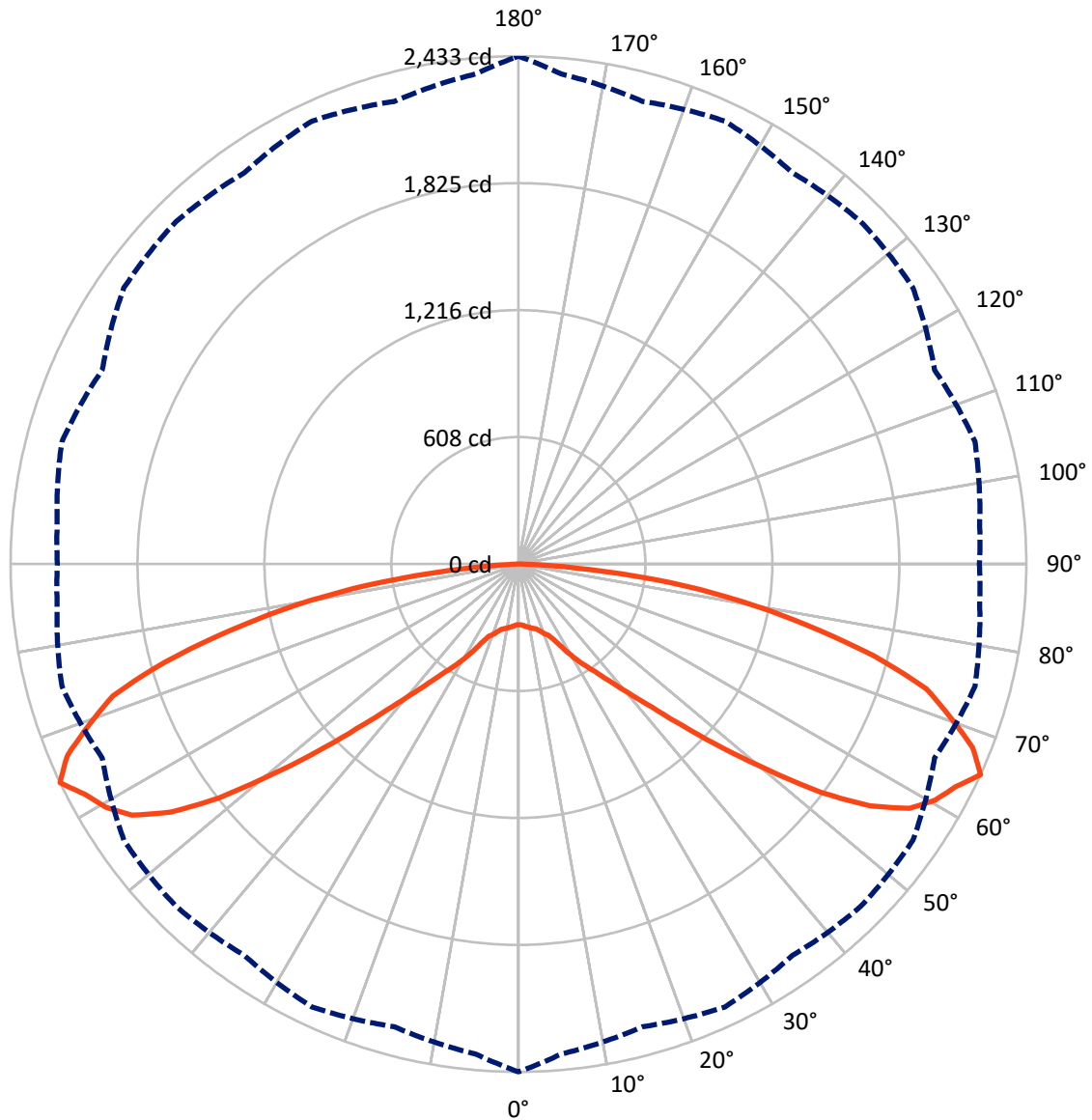
× Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 4.1 fc  
 Type V - Short - N/A

REPORT NUMBER: P553790  
CATALOG NUMBER: LXS-VA3-830-U-SYM-S

### Luminous Intensity Polar Plot



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

REPORT NUMBER: P553790

CATALOG NUMBER: LXS-VA3-830-U-SYM-S

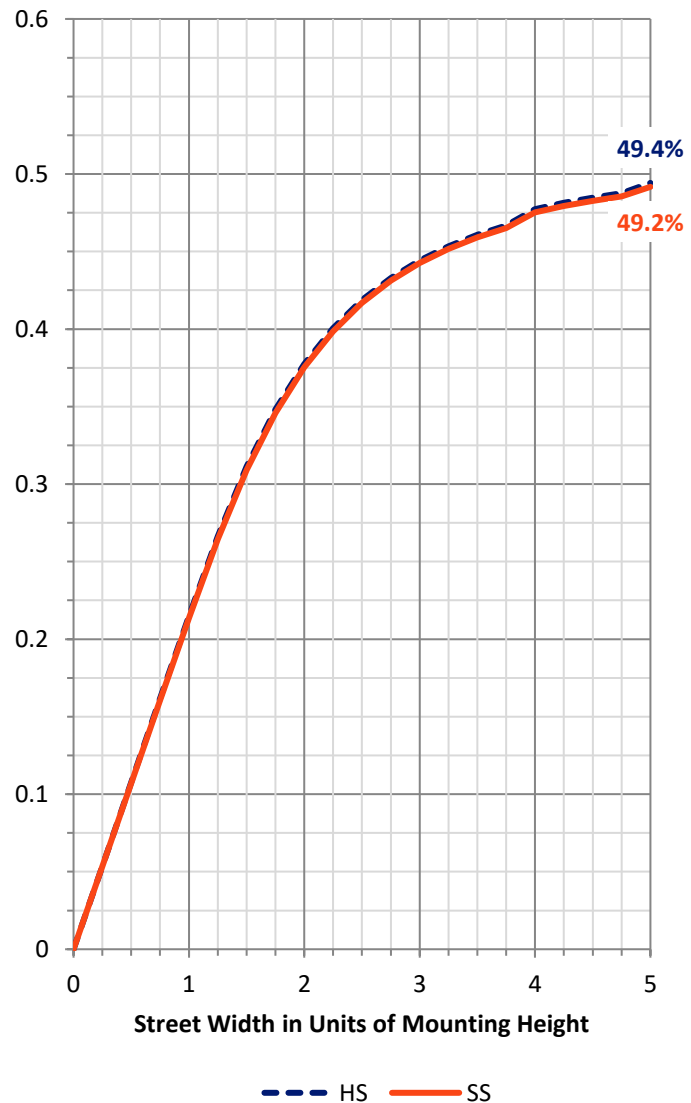
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	3813.0	0.0	3813.0
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	3813.0	0.0	3813.0
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	7626.0	0.0	7626.0
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	28.6	0.4
10°-20°	91.7	1.2
20°-30°	193.4	2.5
30°-40°	396.2	5.2
40°-50°	865.6	11.4
50°-60°	1729.5	22.7
60°-70°	2216.6	29.1
70°-80°	1700.6	22.3
80°-90°	403.9	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°	7626.0	100.0
0°-180°	7626.0	100.0



REPORT NUMBER: P553790

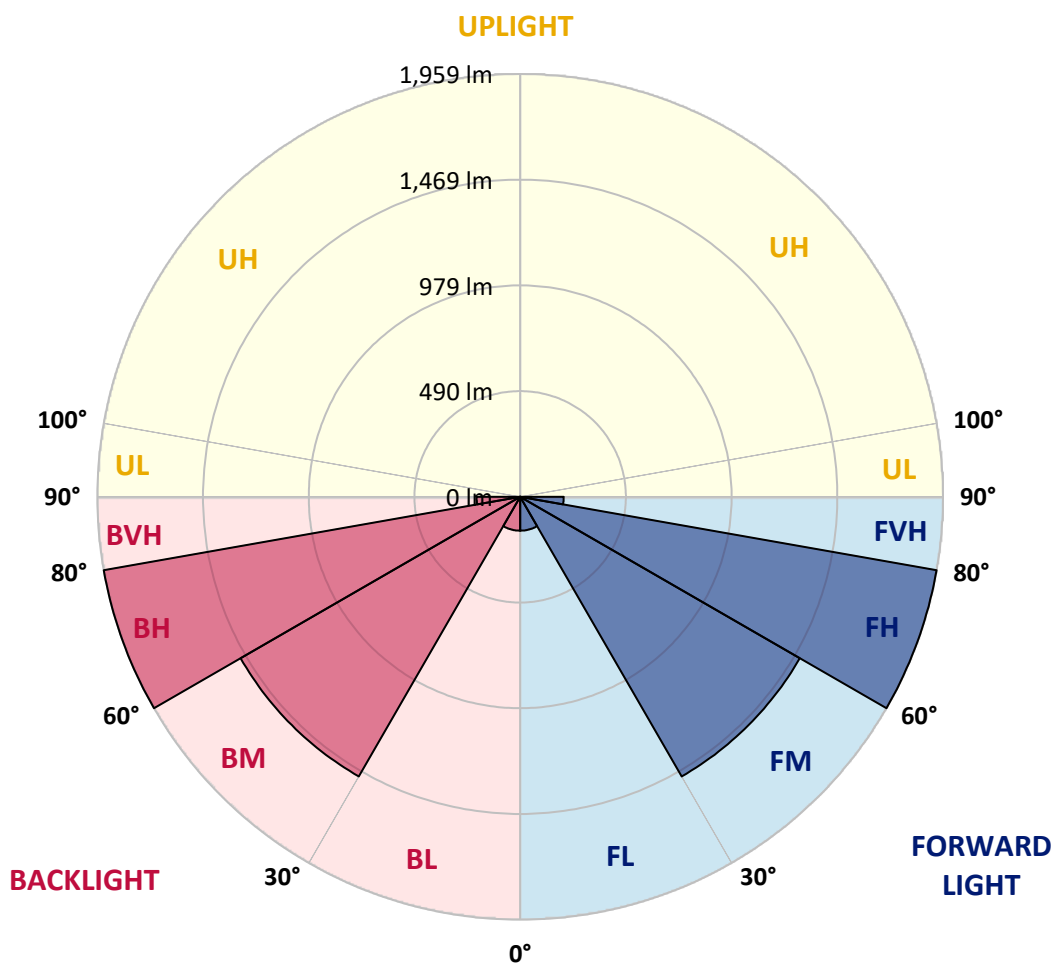
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	156.9	2.1			
FM (30°-60°)	1495.6	19.6			
FH (60°-80°)	1958.6	25.7			G2/5000
FVH (80°-90°)	201.9	2.6			G2/225
BL (0°-30°)	156.9	2.1	B1/500		
BM (30°-60°)	1495.6	19.6	B2/2500		
BH (60°-80°)	1958.6	25.7	B3/2500		G2/5000
BVH (80°-90°)	201.9	2.6			G2/225
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B3-U0-G2**

Type V Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	291.8	291.8	291.8	291.8	291.8	291.8	291.8	291.8	291.8	291.8	291.8
2.5°	291.8	291.8	291.8	291.8	291.8	291.8	291.8	291.8	291.8	291.8	291.8
5°	297.9	297.9	297.9	297.9	294.9	294.9	294.9	294.9	294.9	294.9	294.9
7.5°	304.1	304.1	304.1	304.1	301.0	301.0	301.0	301.0	301.0	301.0	301.0
10°	310.2	310.2	310.2	307.2	307.2	307.2	304.1	304.1	304.1	304.1	304.1
12.5°	316.4	316.4	313.3	310.2	310.2	310.2	307.2	307.2	307.2	310.2	310.2
15°	322.5	322.5	319.4	316.4	316.4	316.4	313.3	313.3	313.3	316.4	316.4
17.5°	337.9	337.9	334.8	331.7	331.7	331.7	328.7	325.6	328.7	331.7	331.7
20°	356.3	353.2	350.2	350.2	350.2	347.1	344.0	344.0	347.1	350.2	350.2
22.5°	371.7	374.7	374.7	377.8	377.8	371.7	368.6	362.4	371.7	374.7	377.8
25°	405.5	405.5	411.6	414.7	411.6	408.5	405.5	402.4	405.5	411.6	411.6
27.5°	457.7	457.7	451.5	454.6	451.5	445.4	451.5	448.5	445.4	445.4	445.4
30°	516.0	509.9	500.7	497.6	497.6	491.5	497.6	497.6	488.4	488.4	488.4
32.5°	574.4	568.2	559.0	549.8	552.9	546.7	549.8	552.9	537.5	540.6	537.5
35°	632.8	632.8	629.7	617.4	617.4	611.2	611.2	614.3	599.0	605.1	599.0
37.5°	712.6	712.6	709.5	697.3	691.1	691.1	685.0	685.0	672.7	678.8	678.8
40°	810.9	810.9	810.9	804.8	792.5	783.3	783.3	774.0	764.8	774.0	777.1
42.5°	936.8	943.0	939.9	939.9	927.6	918.4	909.2	896.9	893.8	909.2	912.3
45°	1105.8	1115.0	1108.8	1121.1	1096.6	1084.3	1078.1	1059.7	1056.6	1072.0	1072.0
47.5°	1314.6	1314.6	1302.4	1320.8	1287.0	1274.7	1268.6	1237.9	1250.1	1259.4	1250.1
50°	1548.1	1541.9	1523.5	1554.2	1514.3	1498.9	1489.7	1443.7	1471.3	1474.4	1474.4
52.5°	1818.4	1806.1	1784.6	1821.5	1763.1	1763.1	1741.6	1698.6	1741.6	1720.1	1720.1
55°	2045.7	2021.1	1993.5	2042.6	1984.3	1962.8	1972.0	1898.3	1947.4	1919.8	1922.8
57.5°	2208.5	2162.4	2134.8	2171.6	2116.3	2116.3	2097.9	2021.1	2085.6	2039.5	2042.6
60°	2294.5	2254.6	2211.6	2263.8	2187.0	2193.1	2174.7	2116.3	2168.6	2125.5	2122.5
62.5°	2349.8	2334.4	2288.3	2334.4	2294.5	2251.5	2294.5	2202.3	2254.6	2193.1	2177.8
65°	2432.7	2355.9	2294.5	2340.6	2288.3	2319.1	2306.8	2199.3	2263.8	2217.7	2208.5
67.5°	2346.7	2303.7	2254.6	2306.8	2223.8	2242.3	2230.0	2153.2	2196.2	2156.3	2125.5
70°	2193.1	2193.1	2097.9	2144.0	2116.3	2097.9	2122.5	2024.2	2054.9	2033.4	1987.3
72.5°	2042.6	1972.0	1898.3	1938.2	1901.3	1953.5	1932.0	1843.0	1867.5	1836.8	1812.2
75°	1757.0	1717.0	1667.9	1689.4	1627.9	1686.3	1643.3	1597.2	1627.9	1578.8	1560.4
77.5°	1416.0	1422.2	1354.6	1369.9	1336.1	1348.4	1348.4	1293.1	1314.6	1290.1	1262.4
80°	1087.3	1062.8	992.1	1029.0	1004.4	1010.6	1025.9	961.4	973.7	967.6	943.0
82.5°	731.0	712.6	672.7	688.0	660.4	669.6	672.7	629.7	632.8	632.8	605.1
85°	340.9	350.2	316.4	310.2	297.9	291.8	294.9	264.2	273.4	276.4	245.7
87.5°	43.0	43.0	36.9	33.8	27.6	24.6	18.4	15.4	15.4	12.3	9.2
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)