

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: P553754

Luminaire Tested: **LXS-VA2-830-U-SYM-S**

Issue Date: 7/13/2021

Test Information

Test Method: LM-79-08
Report Number: P553754
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-VA2-830-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: 4150 lumens
Efficiency: N/A
Efficacy: 101.2 lumens/watt
Luminous Opening: Circular (Dia: 1.62' x H: 0')
IES Classification: Type V - Short
BUG Rating: B3 - U0 - G2

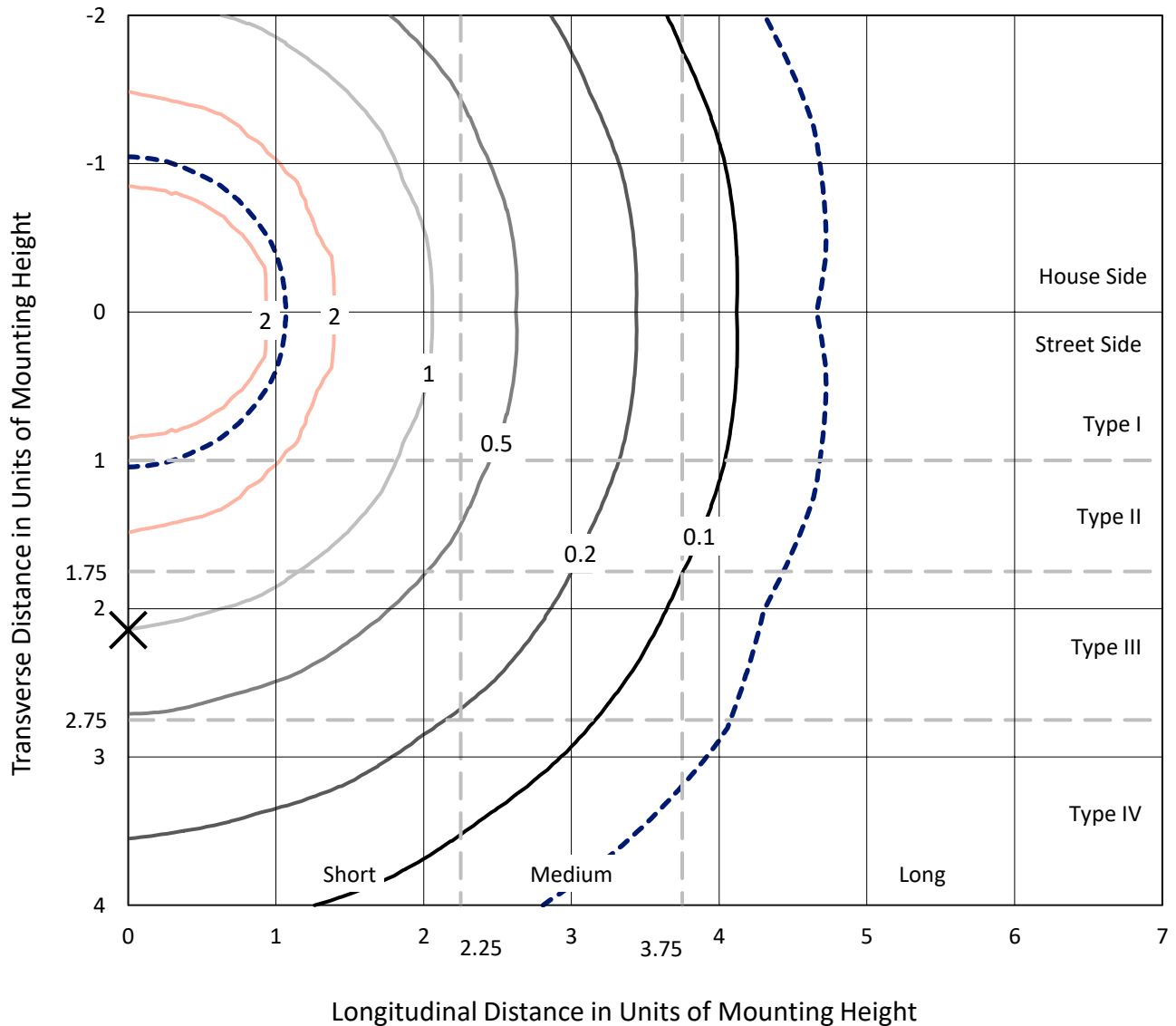
Input Watts (W): 41
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

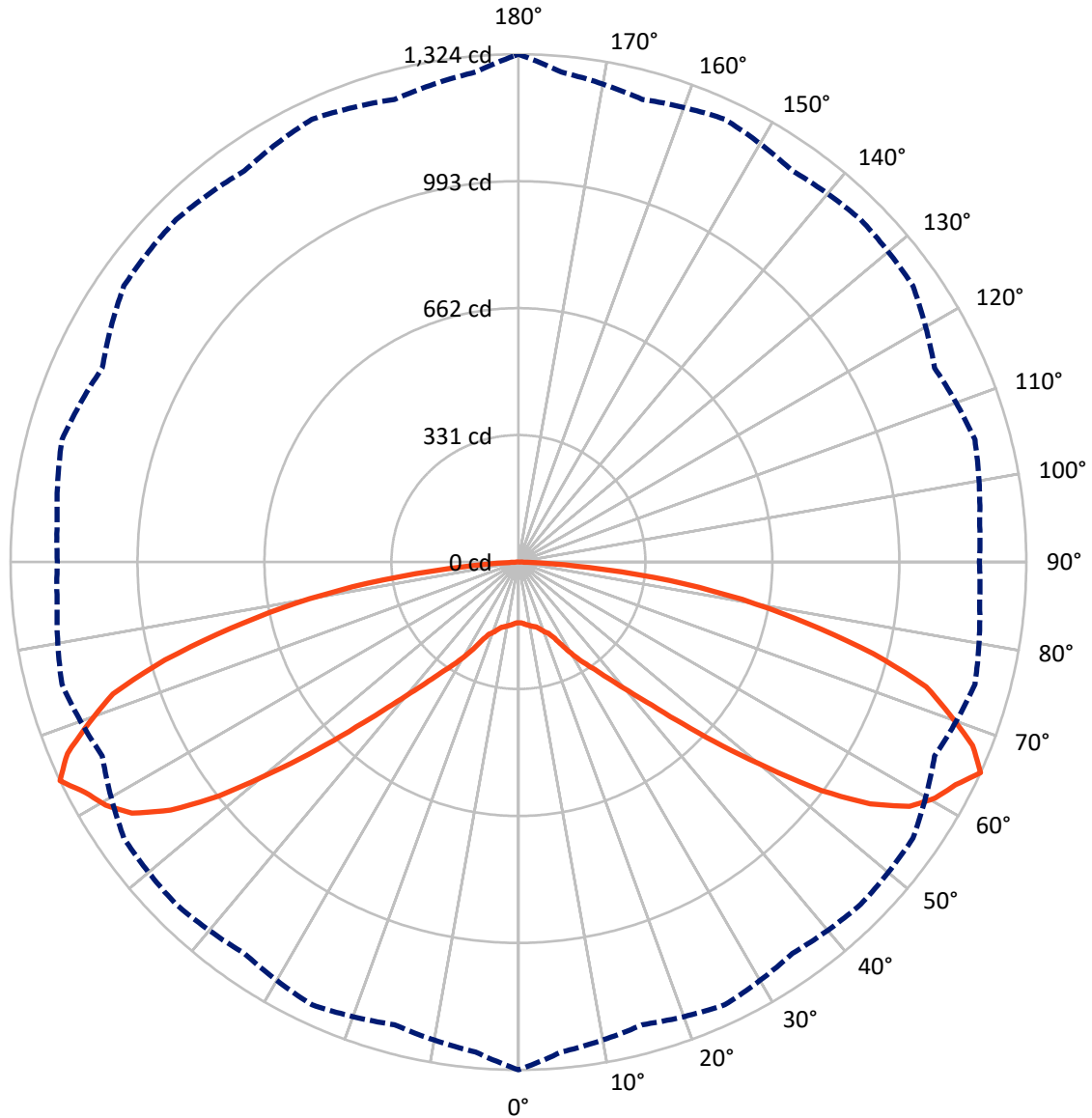
× Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 2.2 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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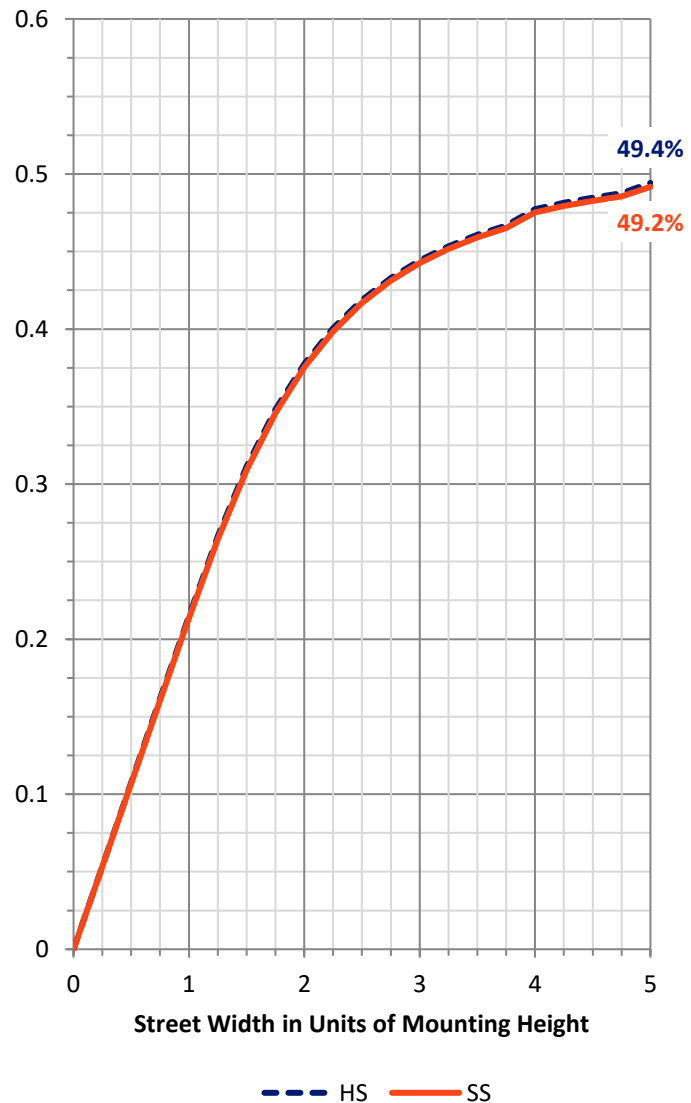
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2075.0	0.0	2075.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	2075.0	0.0	2075.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	4150.0	0.0	4150.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	15.6	0.4
10°-20°	49.9	1.2
20°-30°	105.3	2.5
30°-40°	215.6	5.2
40°-50°	471.1	11.4
50°-60°	941.2	22.7
60°-70°	1206.2	29.1
70°-80°	925.4	22.3
80°-90°	219.8	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°	4150.0	100.0
0°-180°	4150.0	100.0



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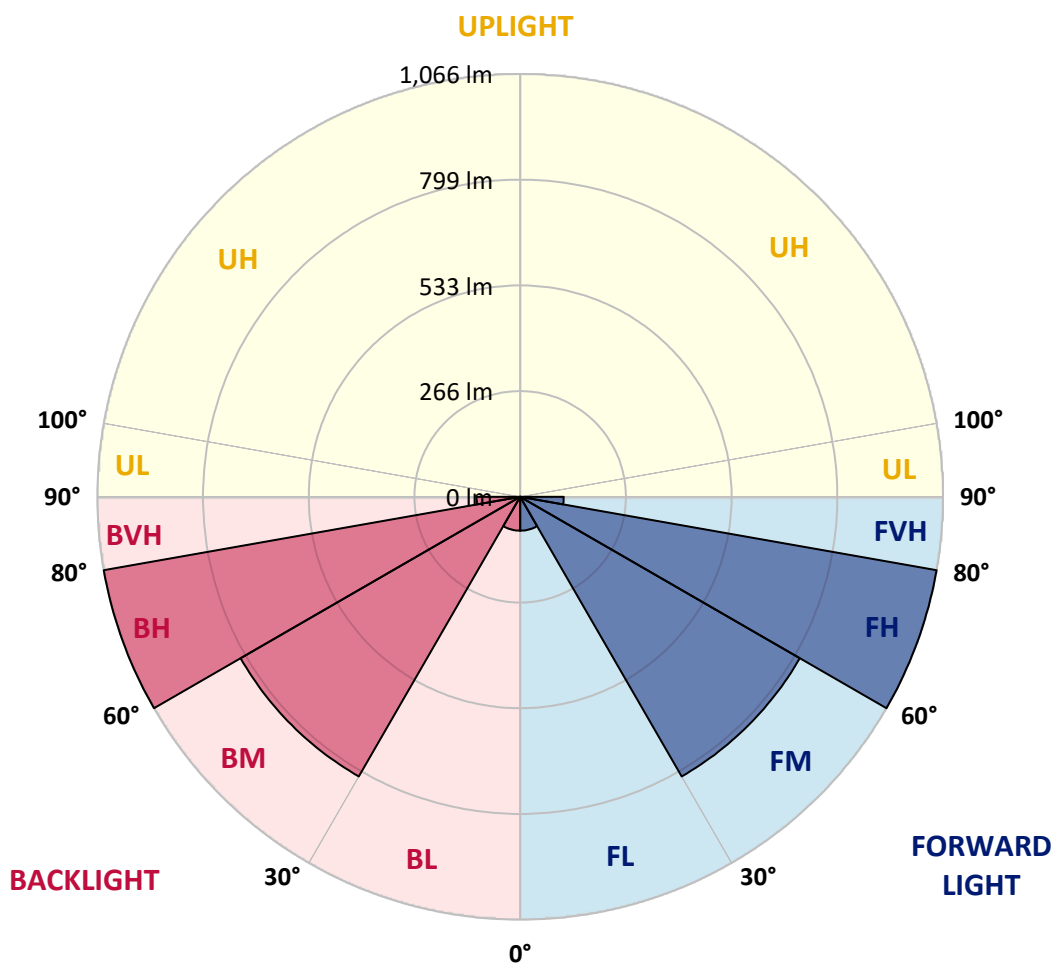
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	85.4	2.1			
FM (30°-60°)	813.9	19.6			
FH (60°-80°)	1065.8	25.7			G1/1800
FVH (80°-90°)	109.9	2.6			G2/225
BL (0°-30°)	85.4	2.1	B0/110		
BM (30°-60°)	813.9	19.6	B1/1000		
BH (60°-80°)	1065.8	25.7	B3/2500		G1/1800
BVH (80°-90°)	109.9	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°	158.8	158.8	158.8	158.8	158.8	158.8	158.8	158.8	158.8	158.8	158.8
2.5°	158.8	158.8	158.8	158.8	158.8	158.8	158.8	158.8	158.8	158.8	158.8
5°	162.1	162.1	162.1	162.1	160.5	160.5	160.5	160.5	160.5	160.5	160.5
7.5°	165.5	165.5	165.5	165.5	163.8	163.8	163.8	163.8	163.8	163.8	163.8
10°	168.8	168.8	168.8	167.2	167.2	167.2	165.5	165.5	165.5	165.5	165.5
12.5°	172.2	172.2	170.5	168.8	168.8	168.8	167.2	167.2	167.2	168.8	168.8
15°	175.5	175.5	173.8	172.2	172.2	172.2	170.5	170.5	170.5	172.2	172.2
17.5°	183.9	183.9	182.2	180.5	180.5	180.5	178.9	177.2	178.9	180.5	180.5
20°	193.9	192.2	190.6	190.6	190.6	188.9	187.2	187.2	188.9	190.6	190.6
22.5°	202.3	203.9	203.9	205.6	205.6	202.3	200.6	197.2	202.3	203.9	205.6
25°	220.6	220.6	224.0	225.7	224.0	222.3	220.6	219.0	220.6	224.0	224.0
27.5°	249.1	249.1	245.7	247.4	245.7	242.4	245.7	244.0	242.4	242.4	242.4
30°	280.8	277.5	272.5	270.8	270.8	267.4	270.8	270.8	265.8	265.8	265.8
32.5°	312.6	309.2	304.2	299.2	300.9	297.5	299.2	300.9	292.5	294.2	292.5
35°	344.3	344.3	342.7	336.0	336.0	332.6	332.6	334.3	326.0	329.3	326.0
37.5°	387.8	387.8	386.1	379.4	376.1	376.1	372.8	372.8	366.1	369.4	369.4
40°	441.3	441.3	441.3	437.9	431.3	426.2	426.2	421.2	416.2	421.2	422.9
42.5°	509.8	513.2	511.5	511.5	504.8	499.8	494.8	488.1	486.4	494.8	496.4
45°	601.8	606.8	603.4	610.1	596.7	590.1	586.7	576.7	575.0	583.4	583.4
47.5°	715.4	715.4	708.7	718.8	700.4	693.7	690.3	673.6	680.3	685.3	680.3
50°	842.5	839.1	829.1	845.8	824.1	815.7	810.7	785.6	800.7	802.3	802.3
52.5°	989.6	982.9	971.2	991.2	959.5	959.5	947.8	924.4	947.8	936.1	936.1
55°	1113.2	1099.9	1084.8	1111.6	1079.8	1068.1	1073.1	1033.0	1059.8	1044.7	1046.4
57.5°	1201.8	1176.8	1161.7	1181.8	1151.7	1151.7	1141.7	1099.9	1135.0	1109.9	1111.6
60°	1248.6	1226.9	1203.5	1231.9	1190.1	1193.5	1183.4	1151.7	1180.1	1156.7	1155.0
62.5°	1278.7	1270.4	1245.3	1270.4	1248.6	1225.2	1248.6	1198.5	1226.9	1193.5	1185.1
65°	1323.9	1282.1	1248.6	1273.7	1245.3	1262.0	1255.3	1196.8	1231.9	1206.9	1201.8
67.5°	1277.1	1253.7	1226.9	1255.3	1210.2	1220.2	1213.5	1171.7	1195.2	1173.4	1156.7
70°	1193.5	1193.5	1141.7	1166.7	1151.7	1141.7	1155.0	1101.5	1118.3	1106.6	1081.5
72.5°	1111.6	1073.1	1033.0	1054.7	1034.7	1063.1	1051.4	1002.9	1016.3	999.6	986.2
75°	956.1	934.4	907.6	919.3	885.9	917.7	894.3	869.2	885.9	859.2	849.1
77.5°	770.6	773.9	737.1	745.5	727.1	733.8	733.8	703.7	715.4	702.0	687.0
80°	591.7	578.4	539.9	560.0	546.6	549.9	558.3	523.2	529.9	526.5	513.2
82.5°	397.8	387.8	366.1	374.4	359.4	364.4	366.1	342.7	344.3	344.3	329.3
85°	185.5	190.6	172.2	168.8	162.1	158.8	160.5	143.8	148.8	150.4	133.7
87.5°	23.4	23.4	20.1	18.4	15.0	13.4	10.0	8.4	8.4	6.7	5.0
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)