

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: P553753

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

Issue Date: 7/13/2021

Test Information

Test Method: LM-79-08
Report Number: P553753
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-VA2-830-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: 4217 lumens
Efficiency: N/A
Efficacy: 102.9 lumens/watt
Luminous Opening: Circular (Dia: 1.62' x H: 0')
IES Classification: Type V - Short
BUG Rating: B3 - U0 - G2

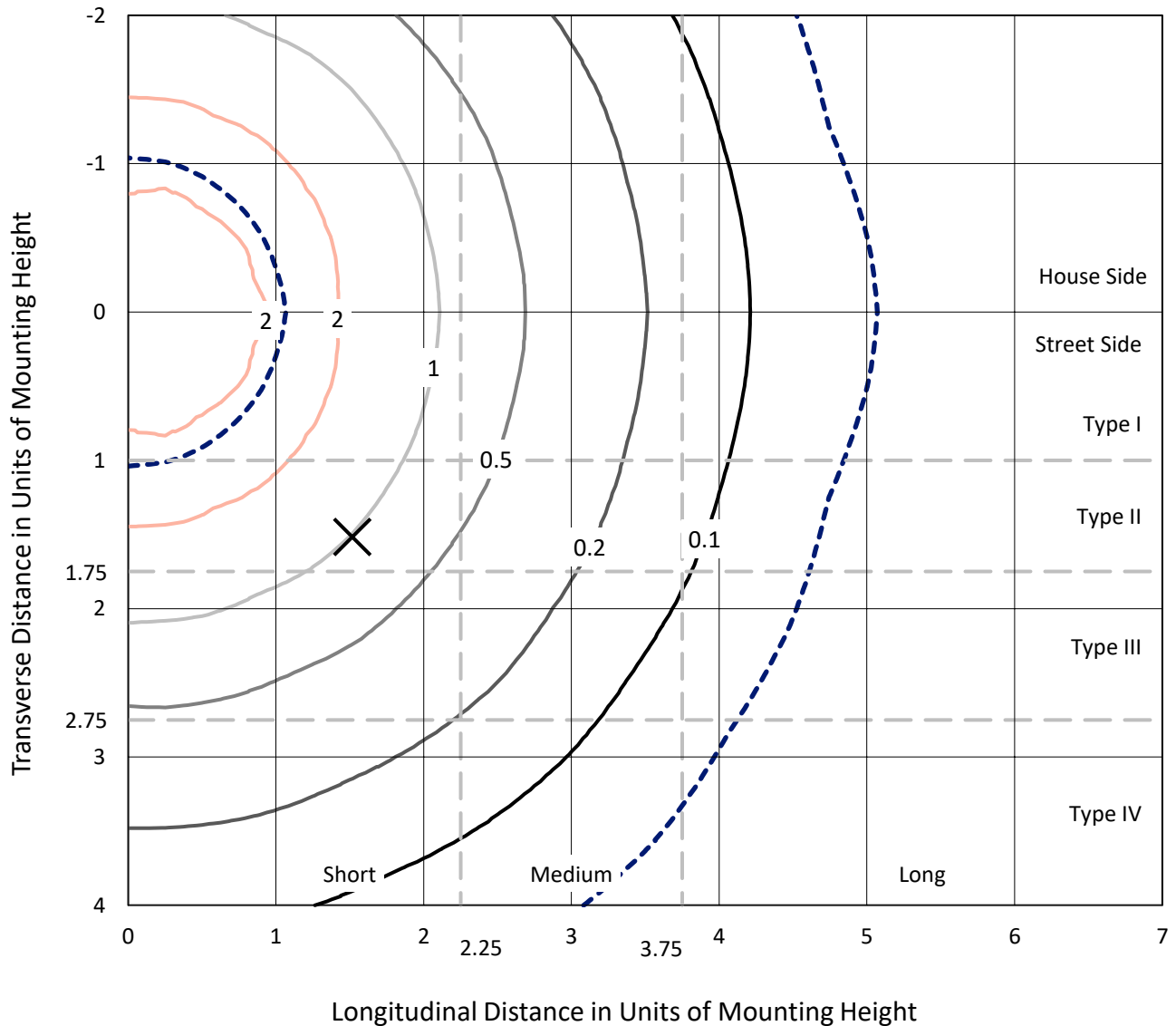
Input Watts (W): 41
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

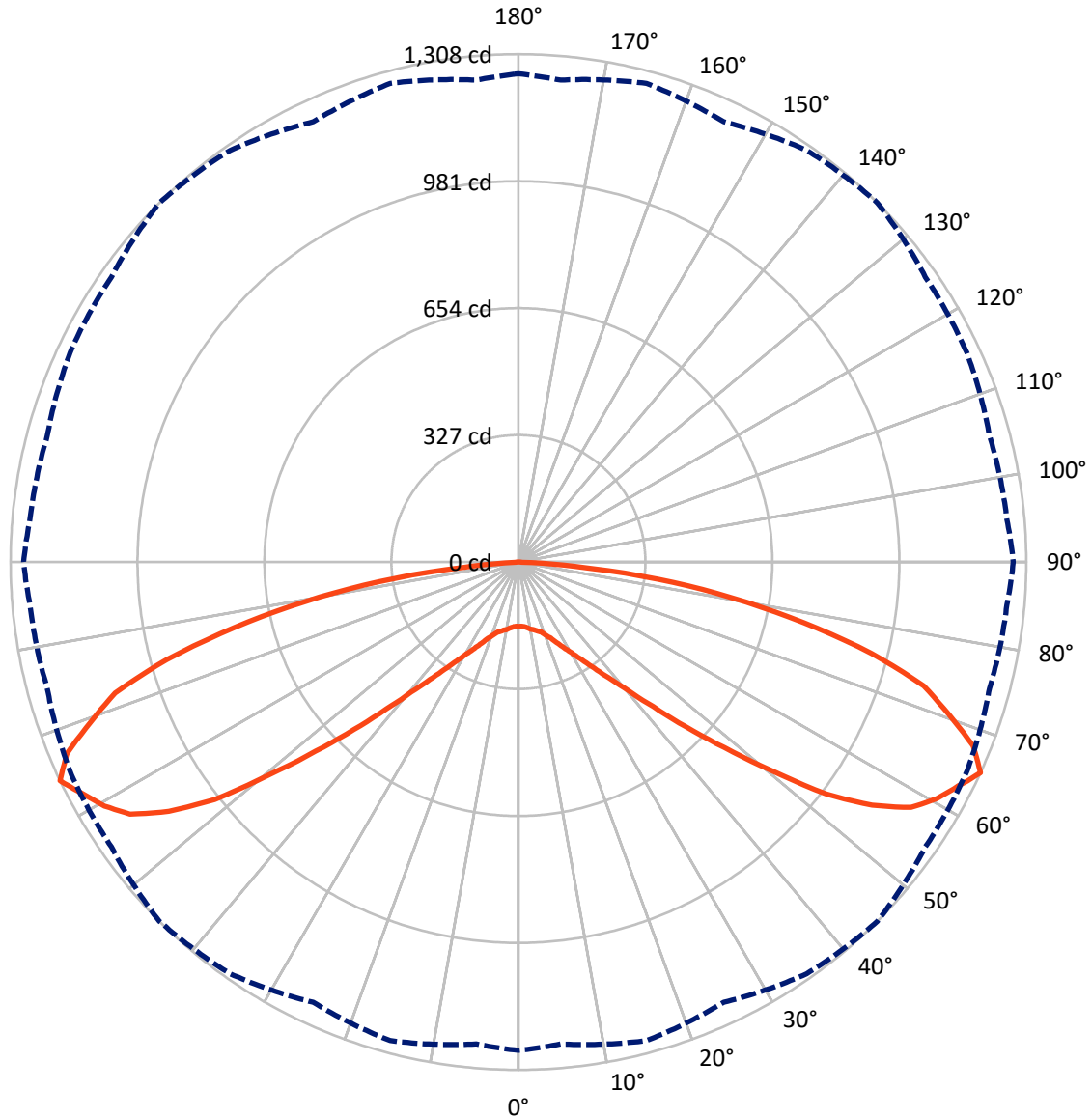
× Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 2.3 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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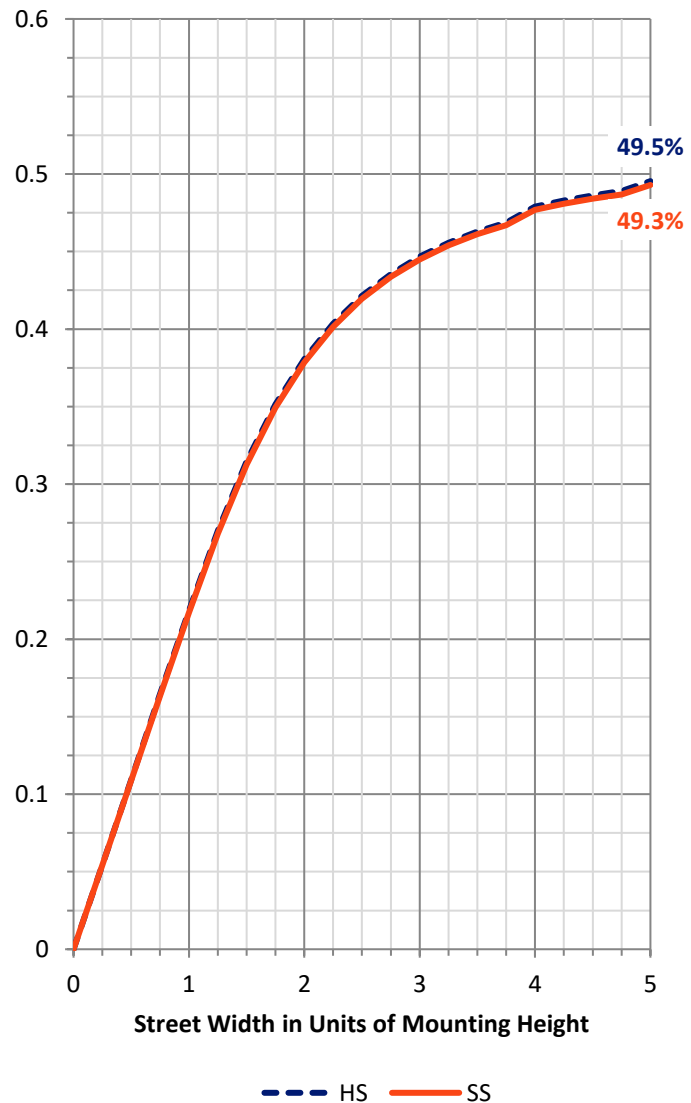
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2108.5	0.0	2108.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	2108.5	0.0	2108.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	4217.0	0.0	4217.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	16.3	0.4
10°-20°	52.8	1.3
20°-30°	108.3	2.6
30°-40°	218.1	5.2
40°-50°	478.2	11.3
50°-60°	959.0	22.7
60°-70°	1232.1	29.2
70°-80°	939.8	22.3
80°-90°	212.5	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°	4217.0	100.0
0°-180°	4217.0	100.0



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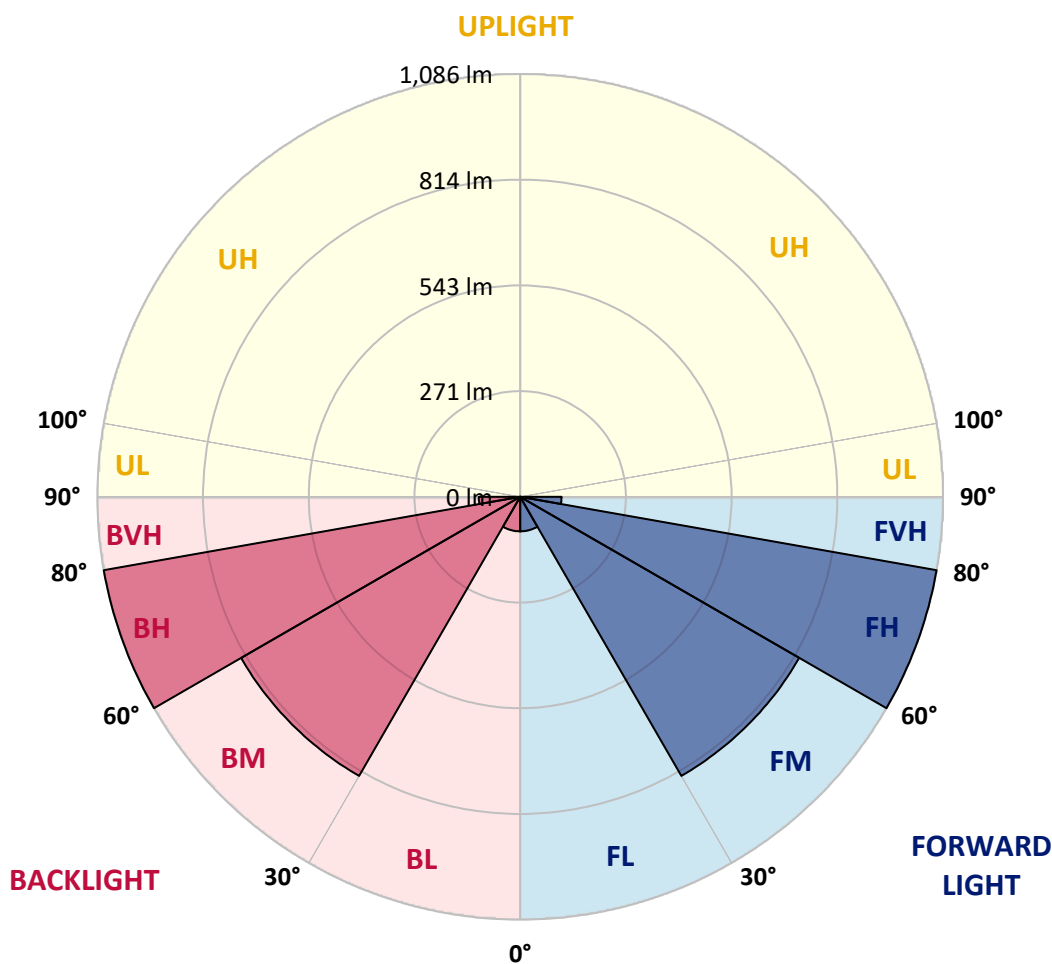
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	88.7	2.1			
FM (30°-60°)	827.6	19.6			
FH (60°-80°)	1086.0	25.8			G1/1800
FVH (80°-90°)	106.3	2.5			G2/225
BL (0°-30°)	88.7	2.1	B0/110		
BM (30°-60°)	827.6	19.6	B1/1000		
BH (60°-80°)	1086.0	25.8	B3/2500		G1/1800
BVH (80°-90°)	106.3	2.5			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°	165.8	165.8	165.8	165.8	165.8	165.8	165.8	165.8	165.8	165.8	165.8
2.5°	165.8	165.8	165.8	165.8	165.8	165.8	165.8	165.8	165.8	165.8	165.8
5°	169.2	169.2	167.5	167.5	167.5	167.5	167.5	167.5	167.5	167.5	167.5
7.5°	172.5	172.5	172.5	172.5	170.9	170.9	170.9	170.9	170.9	170.9	170.9
10°	177.6	177.6	175.9	175.9	175.9	175.9	174.2	174.2	174.2	174.2	174.2
12.5°	182.6	180.9	180.9	180.9	180.9	180.9	179.2	179.2	179.2	179.2	179.2
15°	187.6	185.9	185.9	184.3	184.3	184.3	180.9	180.9	182.6	184.3	184.3
17.5°	192.6	192.6	191.0	189.3	189.3	189.3	187.6	184.3	185.9	189.3	189.3
20°	204.4	204.4	202.7	199.3	201.0	201.0	197.7	196.0	197.7	199.3	199.3
22.5°	219.4	219.4	216.1	212.7	214.4	212.7	211.1	207.7	207.7	211.1	211.1
25°	237.9	237.9	232.8	229.5	229.5	229.5	226.1	224.5	222.8	224.5	224.5
27.5°	259.6	259.6	254.6	251.3	249.6	249.6	246.2	244.6	242.9	241.2	239.5
30°	289.8	289.8	281.4	278.1	276.4	271.4	269.7	269.7	268.0	264.7	264.7
32.5°	319.9	319.9	313.2	306.5	306.5	299.8	298.2	299.8	296.5	294.8	293.1
35°	353.4	353.4	345.1	343.4	343.4	335.0	330.0	331.7	331.7	330.0	328.3
37.5°	395.3	395.3	383.6	383.6	385.3	378.6	371.9	373.5	376.9	373.5	370.2
40°	447.2	448.9	435.5	438.9	440.5	433.8	427.1	425.5	432.2	425.5	418.8
42.5°	519.3	520.9	507.5	509.2	512.6	509.2	504.2	500.8	509.2	495.8	489.1
45°	606.4	611.4	601.3	601.3	604.7	604.7	601.3	599.7	601.3	582.9	576.2
47.5°	713.6	718.6	705.2	706.9	715.2	713.6	713.6	711.9	705.2	688.4	675.0
50°	830.8	835.8	825.8	827.5	839.2	842.5	837.5	832.5	825.8	809.0	799.0
52.5°	973.2	974.9	976.5	968.2	981.6	993.3	979.9	981.6	971.5	953.1	939.7
55°	1083.7	1087.1	1093.8	1083.7	1107.2	1105.5	1107.2	1100.5	1082.1	1068.7	1062.0
57.5°	1159.1	1155.8	1177.5	1157.4	1185.9	1192.6	1175.9	1174.2	1159.1	1145.7	1144.0
60°	1199.3	1202.7	1226.1	1206.0	1227.8	1237.8	1219.4	1227.8	1204.3	1199.3	1202.7
62.5°	1221.1	1239.5	1271.3	1246.2	1294.8	1271.3	1281.4	1276.4	1252.9	1244.5	1246.2
65°	1257.9	1246.2	1276.4	1251.2	1294.8	1308.2	1279.7	1274.7	1256.3	1263.0	1274.7
67.5°	1206.0	1214.4	1252.9	1234.5	1259.6	1263.0	1236.2	1244.5	1219.4	1232.8	1236.2
70°	1118.9	1152.4	1162.5	1145.7	1197.6	1175.9	1172.5	1167.5	1140.7	1165.8	1164.1
72.5°	1036.8	1035.2	1048.6	1035.2	1075.4	1092.1	1063.6	1060.3	1036.8	1055.3	1067.0
75°	886.1	899.5	921.3	904.5	917.9	939.7	902.8	916.2	902.8	912.9	926.3
77.5°	706.9	733.7	740.4	725.3	752.1	752.1	732.0	733.7	727.0	748.7	748.7
80°	537.7	544.4	541.0	534.3	561.1	557.8	549.4	546.1	534.3	559.5	569.5
82.5°	351.8	351.8	351.8	343.4	360.1	363.5	356.8	356.8	345.1	365.2	373.5
85°	150.8	152.4	149.1	127.3	147.4	144.1	149.1	144.1	144.1	160.8	155.8
87.5°	8.4	8.4	8.4	6.7	6.7	6.7	6.7	6.7	6.7	5.0	3.4
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)