

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: P553742

Luminaire Tested: **LXS-VA2-740-U-SYM-S**

Issue Date: 7/13/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P553742  
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-VA2-740-U-SYM-S  
Description: LUXESCAPE OUTDOOR ARCHITECTURAL LUMINAIRE  
70 CRI, 4000K LEDS AND TYPE V OPTIC, SPIDER MOUNT  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 4969 lumens  
Efficiency: N/A  
Efficacy: 121.2 lumens/watt  
Luminous Opening: Circular (Dia: 1.62' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B3 - U0 - G2

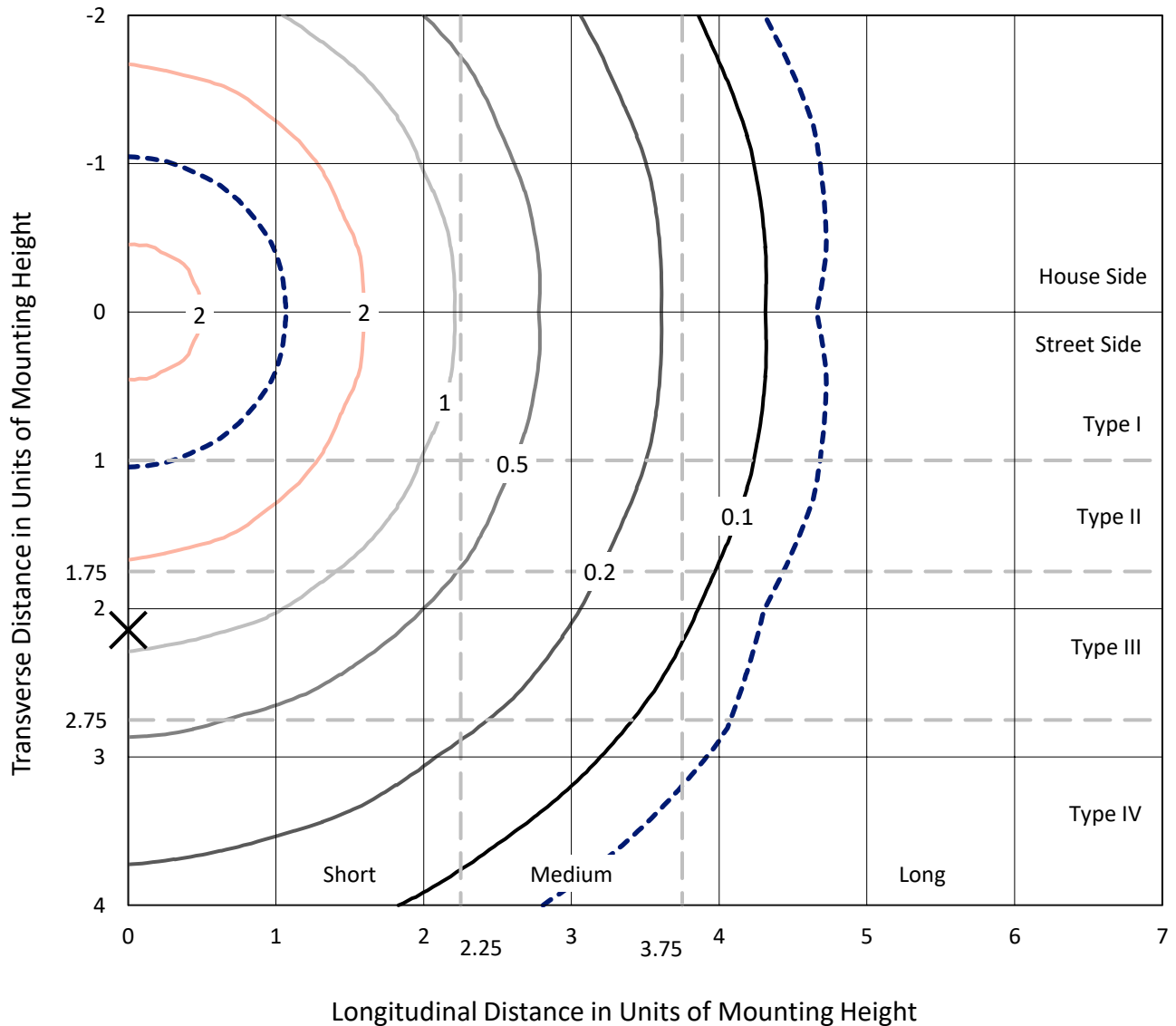
Input Watts (W): 41  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 28.75 FT



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### Iso-Footcandle Lines of Horizontal Illumination

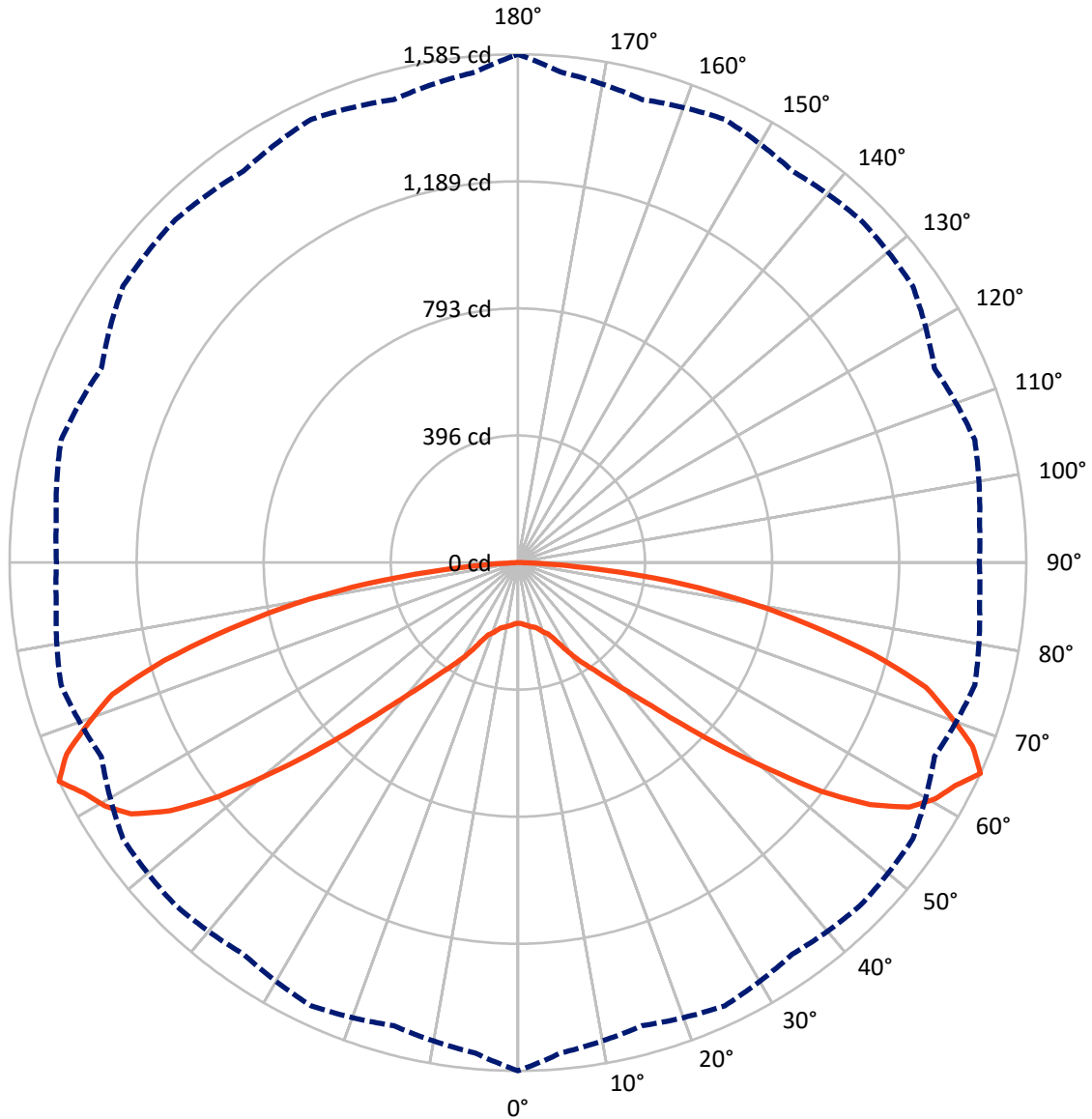
× Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 2.7 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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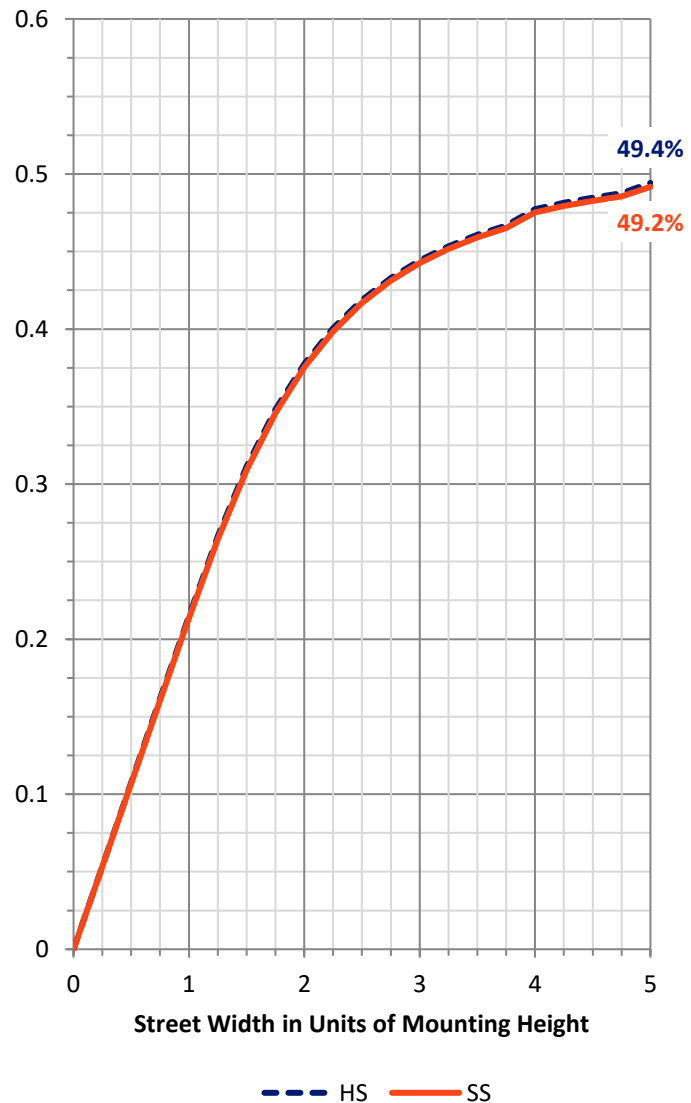
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	2484.5	0.0	2484.5
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	2484.5	0.0	2484.5
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	4969.0	0.0	4969.0
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	18.6	0.4
10°-20°	59.8	1.2
20°-30°	126.0	2.5
30°-40°	258.2	5.2
40°-50°	564.0	11.4
50°-60°	1126.9	22.7
60°-70°	1444.3	29.1
70°-80°	1108.1	22.3
80°-90°	263.1	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°	4969.0	100.0
0°-180°	4969.0	100.0



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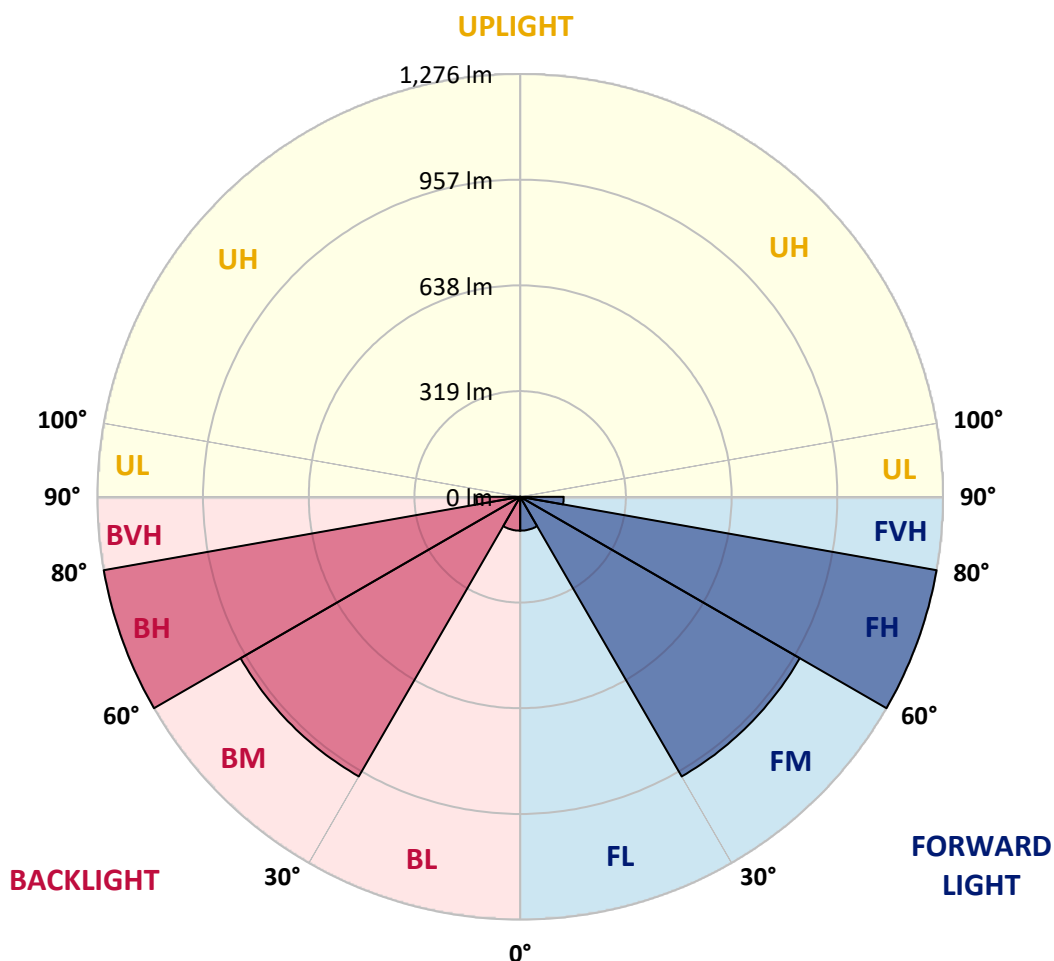
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	102.2	2.1			
FM (30°-60°)	974.5	19.6			
FH (60°-80°)	1276.2	25.7			G1/1800
FVH (80°-90°)	131.6	2.6			G2/225
BL (0°-30°)	102.2	2.1	B0/110		
BM (30°-60°)	974.5	19.6	B1/1000		
BH (60°-80°)	1276.2	25.7	B3/2500		G1/1800
BVH (80°-90°)	131.6	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°	190.1	190.1	190.1	190.1	190.1	190.1	190.1	190.1	190.1	190.1	190.1
2.5°	190.1	190.1	190.1	190.1	190.1	190.1	190.1	190.1	190.1	190.1	190.1
5°	194.1	194.1	194.1	194.1	192.1	192.1	192.1	192.1	192.1	192.1	192.1
7.5°	198.1	198.1	198.1	198.1	196.1	196.1	196.1	196.1	196.1	196.1	196.1
10°	202.1	202.1	202.1	200.1	200.1	200.1	198.1	198.1	198.1	198.1	198.1
12.5°	206.1	206.1	204.1	202.1	202.1	202.1	200.1	200.1	200.1	202.1	202.1
15°	210.1	210.1	208.1	206.1	206.1	206.1	204.1	204.1	204.1	206.1	206.1
17.5°	220.2	220.2	218.2	216.2	216.2	216.2	214.2	212.2	214.2	216.2	216.2
20°	232.2	230.2	228.2	228.2	228.2	226.2	224.2	224.2	226.2	228.2	228.2
22.5°	242.2	244.2	244.2	246.2	246.2	242.2	240.2	236.2	242.2	244.2	246.2
25°	264.2	264.2	268.2	270.2	268.2	266.2	264.2	262.2	264.2	268.2	268.2
27.5°	298.2	298.2	294.2	296.2	294.2	290.2	294.2	292.2	290.2	290.2	290.2
30°	336.2	332.2	326.2	324.2	324.2	320.2	324.2	324.2	318.2	318.2	318.2
32.5°	374.3	370.3	364.3	358.3	360.3	356.3	358.3	360.3	350.2	352.2	350.2
35°	412.3	412.3	410.3	402.3	402.3	398.3	398.3	400.3	390.3	394.3	390.3
37.5°	464.3	464.3	462.3	454.3	450.3	450.3	446.3	446.3	438.3	442.3	442.3
40°	528.4	528.4	528.4	524.4	516.4	510.4	510.4	504.4	498.4	504.4	506.4
42.5°	610.4	614.4	612.4	612.4	604.4	598.4	592.4	584.4	582.4	592.4	594.4
45°	720.5	726.5	722.5	730.5	714.5	706.5	702.5	690.5	688.5	698.5	698.5
47.5°	856.6	856.6	848.6	860.6	838.6	830.6	826.6	806.6	814.6	820.6	814.6
50°	1008.7	1004.7	992.7	1012.7	986.7	976.7	970.7	940.7	958.7	960.7	960.7
52.5°	1184.8	1176.8	1162.8	1186.8	1148.8	1148.8	1134.8	1106.8	1134.8	1120.8	1120.8
55°	1332.9	1316.9	1298.9	1330.9	1292.9	1278.9	1284.9	1236.9	1268.9	1250.9	1252.9
57.5°	1439.0	1409.0	1391.0	1415.0	1379.0	1379.0	1367.0	1316.9	1359.0	1328.9	1330.9
60°	1495.1	1469.0	1441.0	1475.0	1425.0	1429.0	1417.0	1379.0	1413.0	1385.0	1383.0
62.5°	1531.1	1521.1	1491.1	1521.1	1495.1	1467.0	1495.1	1435.0	1469.0	1429.0	1419.0
65°	1585.1	1535.1	1495.1	1525.1	1491.1	1511.1	1503.1	1433.0	1475.0	1445.0	1439.0
67.5°	1529.1	1501.1	1469.0	1503.1	1449.0	1461.0	1453.0	1403.0	1431.0	1405.0	1385.0
70°	1429.0	1429.0	1367.0	1397.0	1379.0	1367.0	1383.0	1318.9	1338.9	1324.9	1294.9
72.5°	1330.9	1284.9	1236.9	1262.9	1238.9	1272.9	1258.9	1200.8	1216.9	1196.8	1180.8
75°	1144.8	1118.8	1086.8	1100.8	1060.8	1098.8	1070.8	1040.7	1060.8	1028.7	1016.7
77.5°	922.7	926.7	882.6	892.6	870.6	878.6	878.6	842.6	856.6	840.6	822.6
80°	708.5	692.5	646.5	670.5	654.5	658.5	668.5	626.4	634.4	630.4	614.4
82.5°	476.3	464.3	438.3	448.3	430.3	436.3	438.3	410.3	412.3	412.3	394.3
85°	222.2	228.2	206.1	202.1	194.1	190.1	192.1	172.1	178.1	180.1	160.1
87.5°	28.0	28.0	24.0	22.0	18.0	16.0	12.0	10.0	10.0	8.0	6.0
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)