

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: P553663

Luminaire Tested: **ARB-B2-LED-D1-T5**

Issue Date: 7/12/2021

Test Information

Test Method: LM-79-08
Report Number: P553663
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P34659)
Test Lab: INNOVATION CENTER
Issue Date: 7/12/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: ARB-B2-LED-D1-T5
Description: ARBOR OUTDOOR ARCHITECTURAL POST TOP
70 CRI, 4000K LEDS AND TYPE V OPTIC
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4529 lumens
Efficiency: N/A
Efficacy: 110.5 lumens/watt
Luminous Opening: Circular (Dia: 1.62' x H: 0')
IES Classification: Type V - Short
BUG Rating: B3 - U0 - G2

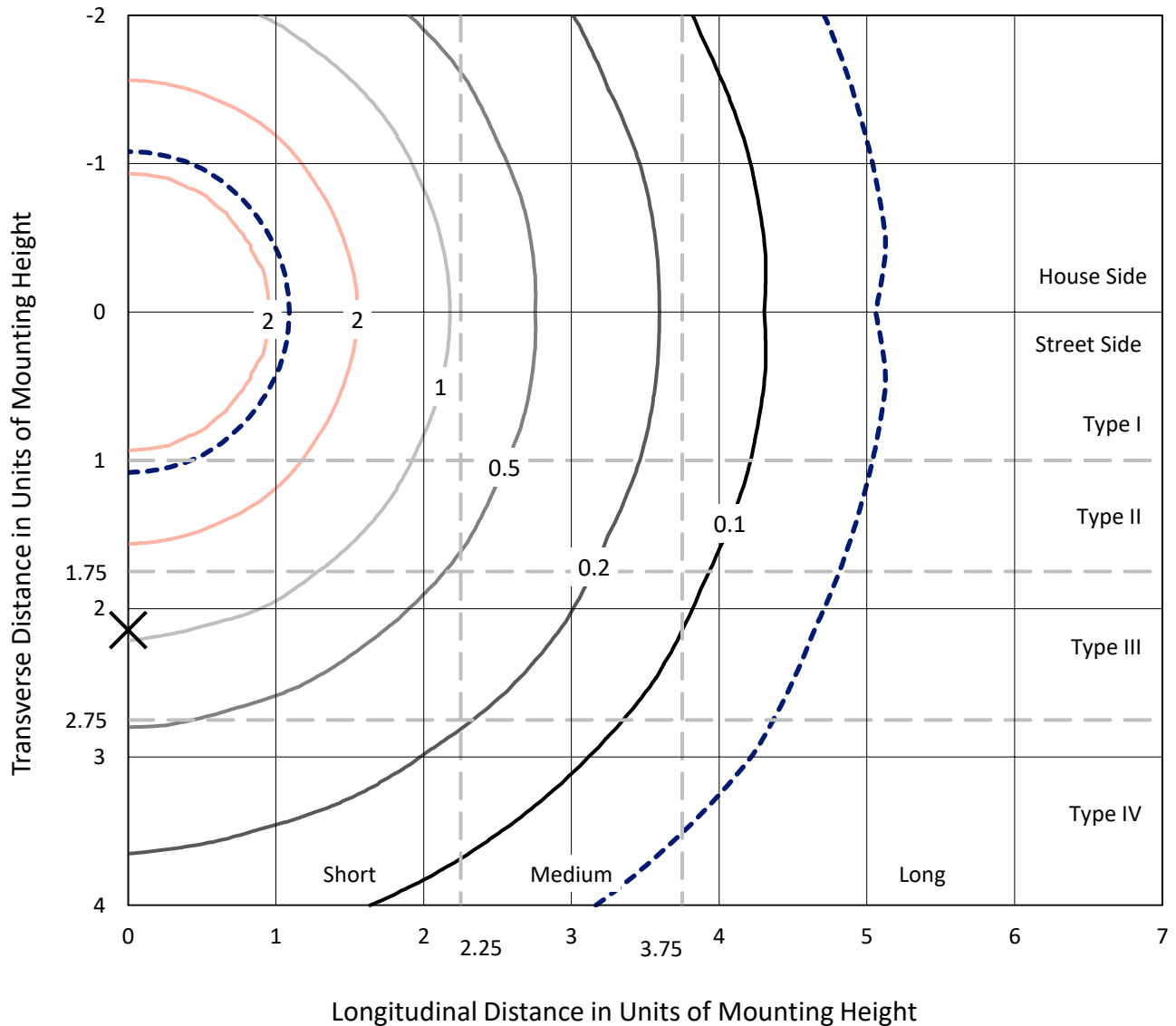
Input Watts (W): 41
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

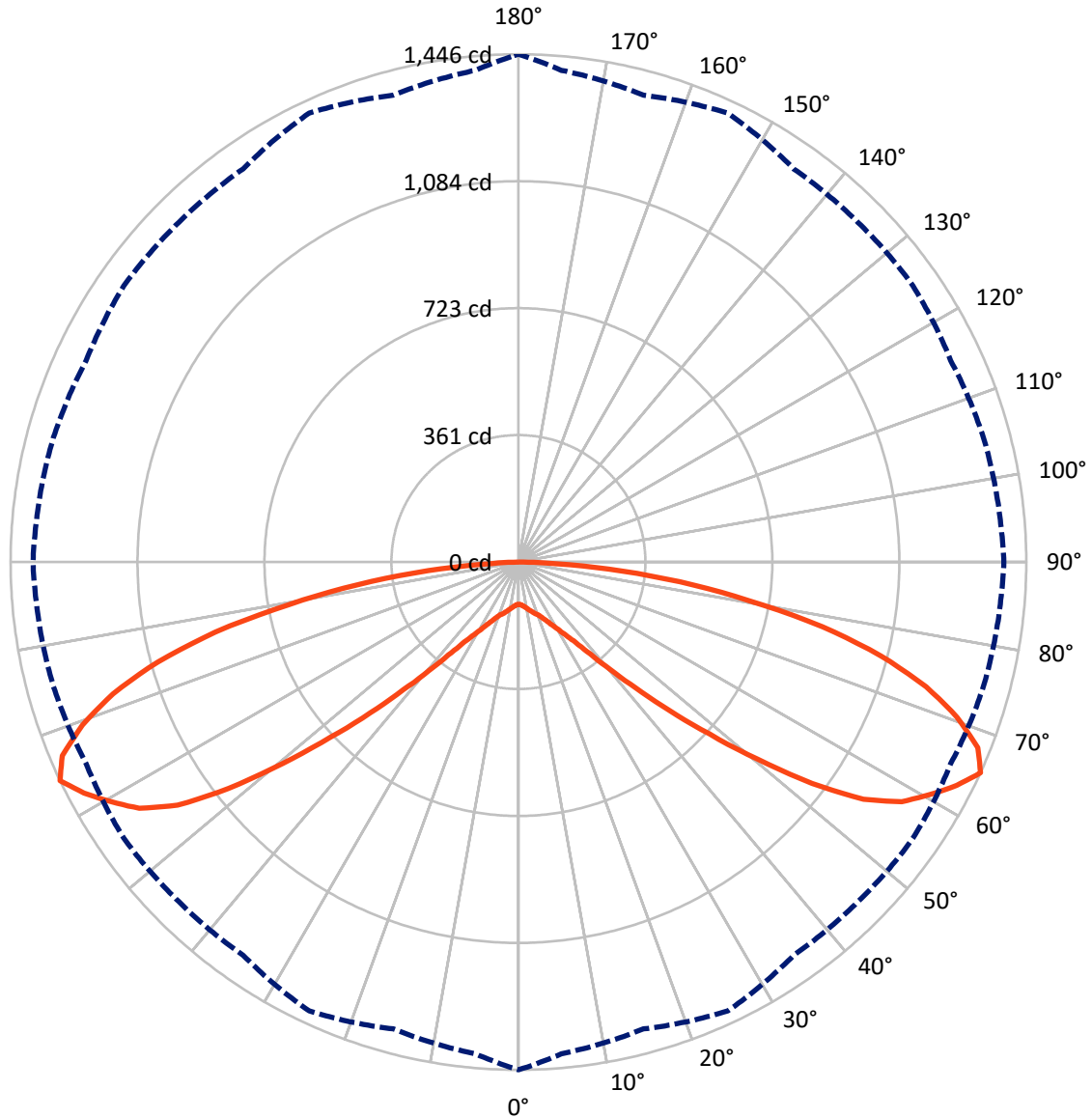
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 2.4 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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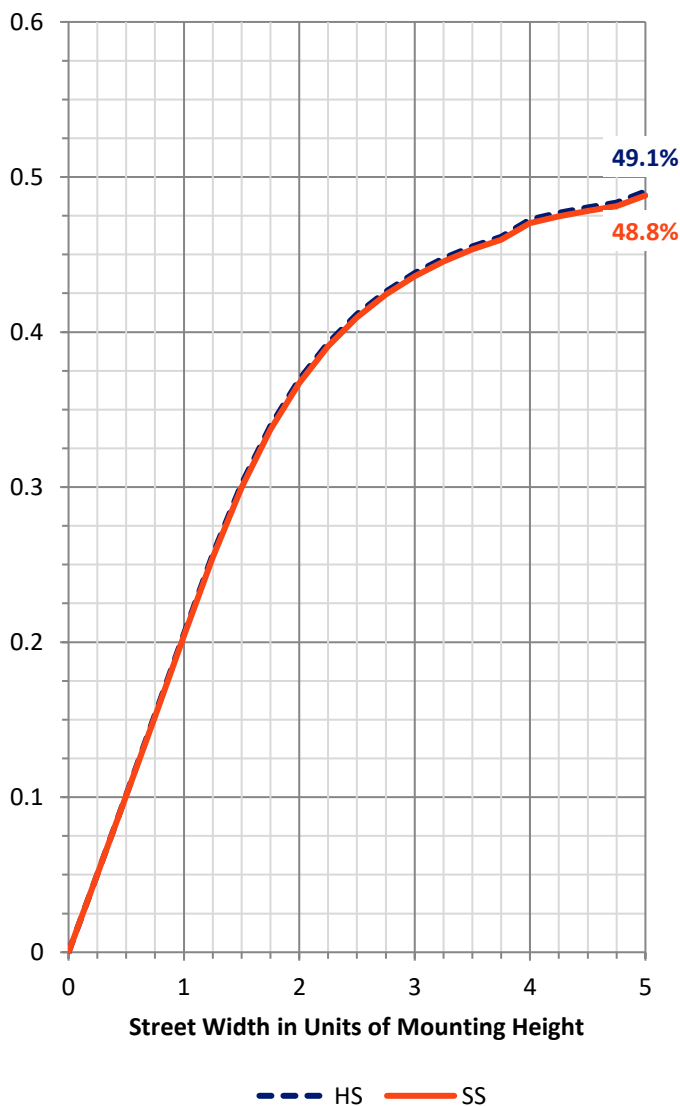
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2264.5	0.0	2264.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	2264.5	0.0	2264.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	4529.0	0.0	4529.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	12.2	0.3
10°-20°	41.7	0.9
20°-30°	85.8	1.9
30°-40°	185.5	4.1
40°-50°	478.3	10.6
50°-60°	1031.9	22.8
60°-70°	1341.8	29.6
70°-80°	1051.6	23.2
80°-90°	300.2	6.6
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°	4529.0	100.0
0°-180°	4529.0	100.0

Coefficient of Utilization



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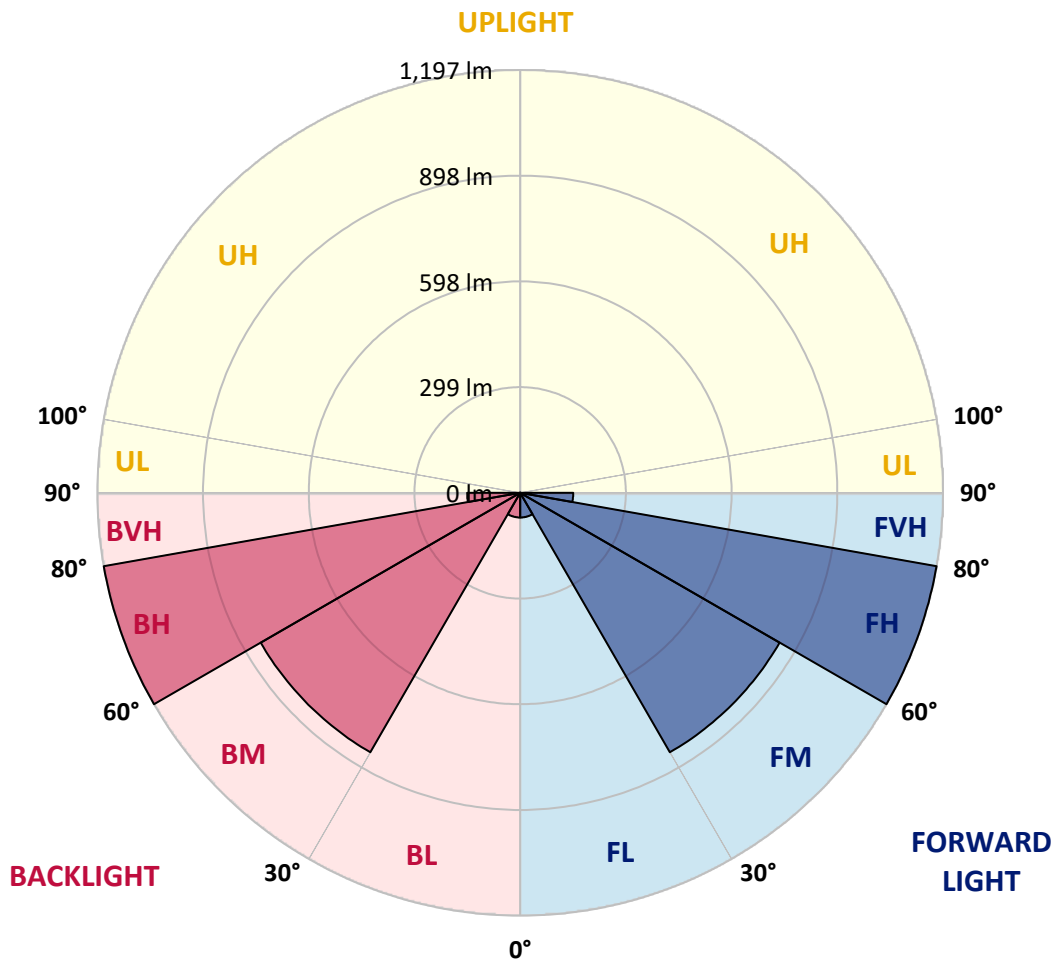
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	69.8	1.5			
FM (30°-60°)	847.8	18.7			
FH (60°-80°)	1196.7	26.4			G1/1800
FVH (80°-90°)	150.1	3.3			G2/225
BL (0°-30°)	69.8	1.5	B0/110		
BM (30°-60°)	847.8	18.7	B1/1000		
BH (60°-80°)	1196.7	26.4	B3/2500		G1/1800
BVH (80°-90°)	150.1	3.3			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°	120.2	120.2	120.2	120.2	120.2	120.2	120.2	120.2	120.2	120.2	120.2
2.5°	121.2	121.2	121.2	121.2	121.2	121.2	121.2	121.2	121.2	121.2	121.2
5°	124.5	124.5	124.5	124.5	124.5	124.5	124.1	124.1	124.1	124.1	124.1
7.5°	128.9	128.9	128.9	128.9	128.9	128.4	128.4	128.4	128.4	128.4	128.4
10°	134.2	134.2	134.2	134.2	134.2	133.7	133.7	133.7	133.2	133.7	133.7
12.5°	140.4	139.9	139.9	139.9	139.5	139.5	139.0	138.5	138.5	138.5	139.0
15°	147.1	146.7	146.2	146.2	145.7	145.7	145.2	144.7	144.3	144.7	144.7
17.5°	154.4	154.4	153.4	152.4	153.4	153.4	152.9	151.5	150.5	150.5	150.5
20°	160.1	159.7	157.2	158.2	159.2	160.1	159.2	155.8	153.9	155.3	155.8
22.5°	171.2	171.2	168.3	168.3	170.7	172.2	169.3	166.4	164.0	165.4	165.9
25°	185.1	185.6	182.3	180.8	183.7	185.6	183.7	178.4	176.5	177.9	178.4
27.5°	202.0	201.5	198.1	196.2	199.1	202.0	200.0	194.8	191.4	192.4	192.4
30°	222.6	222.6	218.3	215.9	219.8	221.7	220.7	214.5	211.6	210.1	210.6
32.5°	248.1	247.7	244.3	243.8	246.2	247.7	245.2	239.5	237.1	237.6	238.5
35°	280.4	281.8	282.8	282.8	283.7	287.1	280.8	275.1	277.0	275.5	275.1
37.5°	331.3	331.3	335.7	338.5	340.5	337.6	329.9	329.4	329.9	332.8	330.8
40°	401.1	399.1	401.5	405.9	403.9	402.5	402.5	395.3	396.2	395.3	397.7
42.5°	488.6	490.0	486.7	490.5	485.2	484.7	489.5	487.1	478.5	480.9	476.6
45°	601.6	603.0	600.6	594.8	596.8	602.1	599.7	600.6	591.5	588.6	592.0
47.5°	730.9	730.5	730.9	722.3	725.6	728.1	730.5	723.2	715.6	718.4	718.9
50°	881.9	876.6	876.6	862.7	877.1	877.1	870.4	873.3	863.2	869.0	868.5
52.5°	1046.9	1046.9	1052.6	1027.6	1045.0	1038.2	1031.5	1033.4	1025.7	1032.9	1038.7
55°	1192.1	1188.3	1188.7	1171.4	1190.2	1179.1	1165.7	1171.9	1165.7	1177.7	1183.9
57.5°	1286.8	1284.0	1274.8	1272.4	1273.9	1269.0	1250.3	1252.7	1258.5	1275.3	1272.4
60°	1344.5	1352.7	1331.6	1330.1	1334.4	1336.8	1316.7	1299.8	1322.4	1336.8	1330.6
62.5°	1400.3	1401.8	1376.8	1378.2	1386.9	1363.3	1370.5	1346.9	1367.1	1371.0	1382.1
65°	1445.5	1405.1	1375.8	1409.9	1366.2	1367.1	1371.0	1357.5	1370.0	1376.8	1381.6
67.5°	1409.9	1379.6	1337.3	1361.9	1338.3	1362.3	1360.9	1310.4	1349.4	1357.5	1331.1
70°	1324.8	1325.8	1279.1	1292.6	1267.6	1264.7	1286.4	1251.7	1283.5	1277.2	1260.4
72.5°	1213.3	1204.6	1158.9	1185.4	1134.9	1161.3	1171.4	1146.4	1165.7	1153.2	1160.8
75°	1065.2	1040.6	1007.4	1012.7	1004.6	1034.4	1036.8	988.2	1018.0	1010.3	1004.6
77.5°	885.3	865.1	845.4	831.9	831.4	831.0	847.8	819.9	840.1	843.9	819.9
80°	664.1	666.0	651.6	656.4	631.4	642.9	645.3	647.7	636.7	641.0	631.9
82.5°	463.1	461.2	453.5	445.3	452.5	466.5	457.8	449.1	442.9	451.1	457.8
85°	257.8	260.6	257.8	252.0	264.5	254.9	256.3	249.1	251.5	247.2	247.7
87.5°	72.6	76.5	74.5	73.1	71.7	69.2	80.8	72.6	66.4	68.8	69.2
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)