

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: P553677

Luminaire Tested: **ARB-B4-LED-D1-T5-8030**

Issue Date: 7/12/2021

Test Information

Test Method: LM-79-08
Report Number: P553677
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-B4-LED-D1-T5-8030
Description: ARBOR OUTDOOR ARCHITECTURAL POST TOP
80 CRI, 3000K LEDS AND TYPE V OPTIC
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7904 lumens
Efficiency: N/A
Efficacy: 82.3 lumens/watt
Luminous Opening: Circular (Dia: 1.62' x H: 0')
IES Classification: Type V - Short
BUG Rating: B3 - U0 - G3

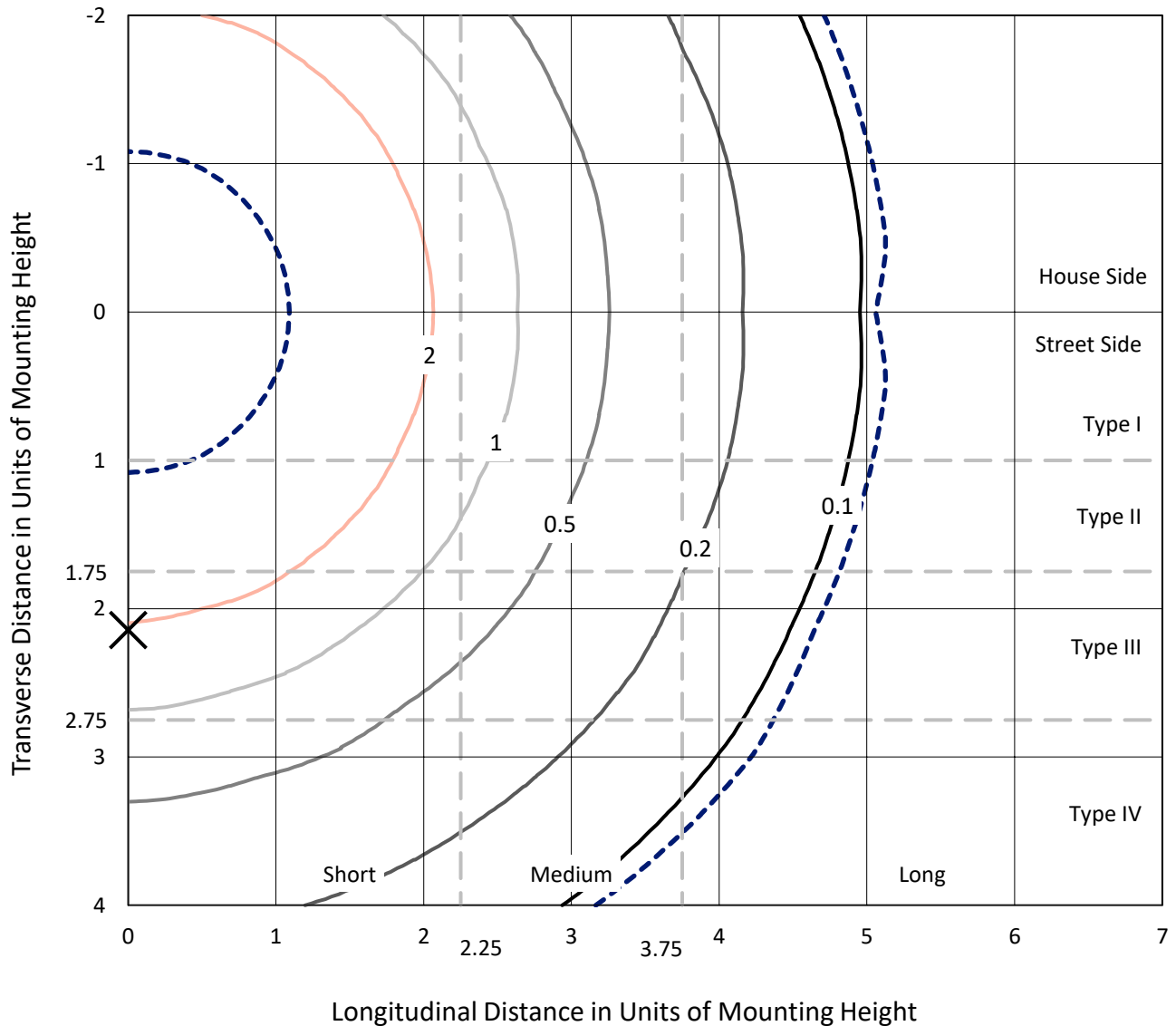
Input Watts (W): 96
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

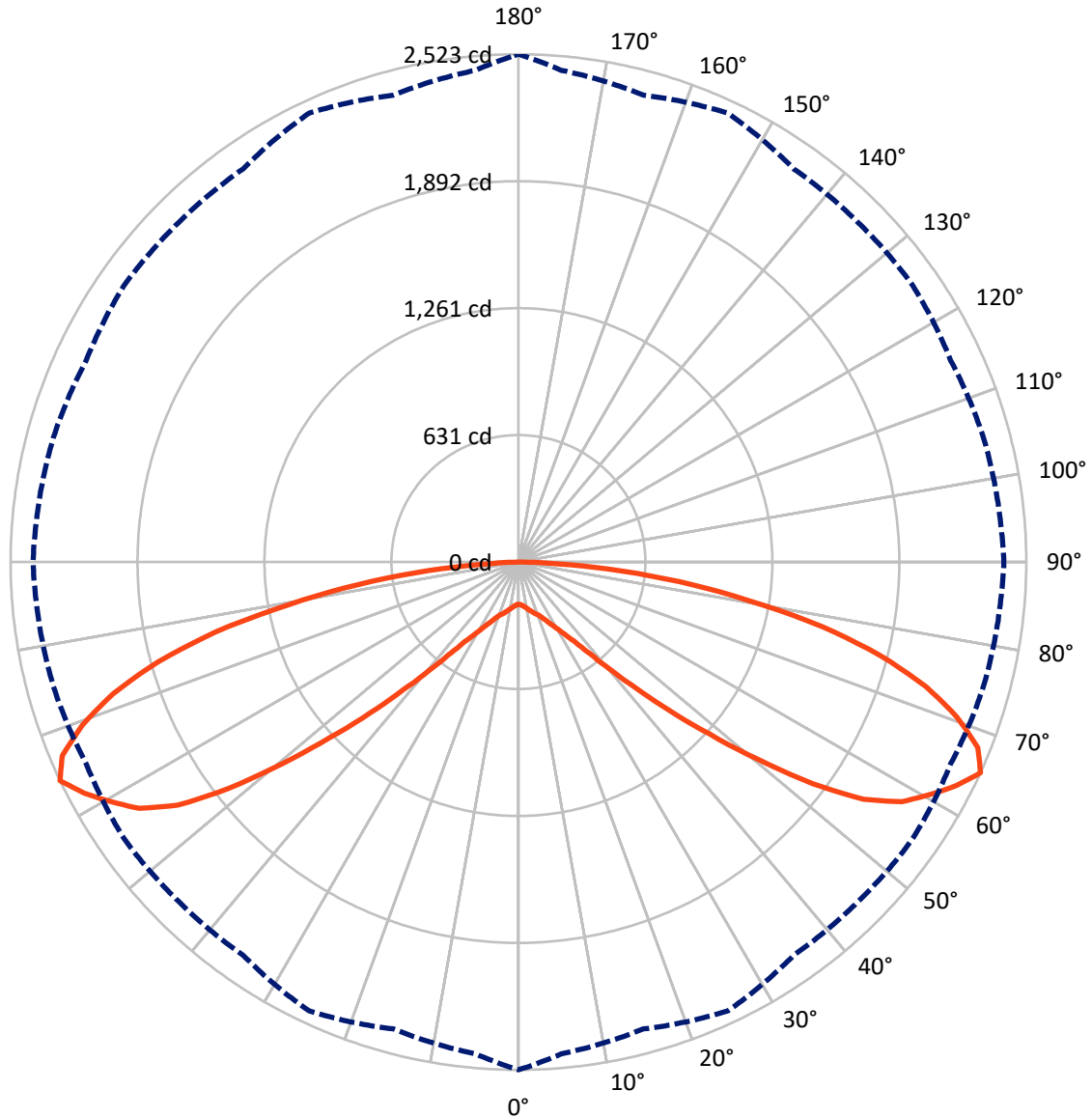
× Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 4.1 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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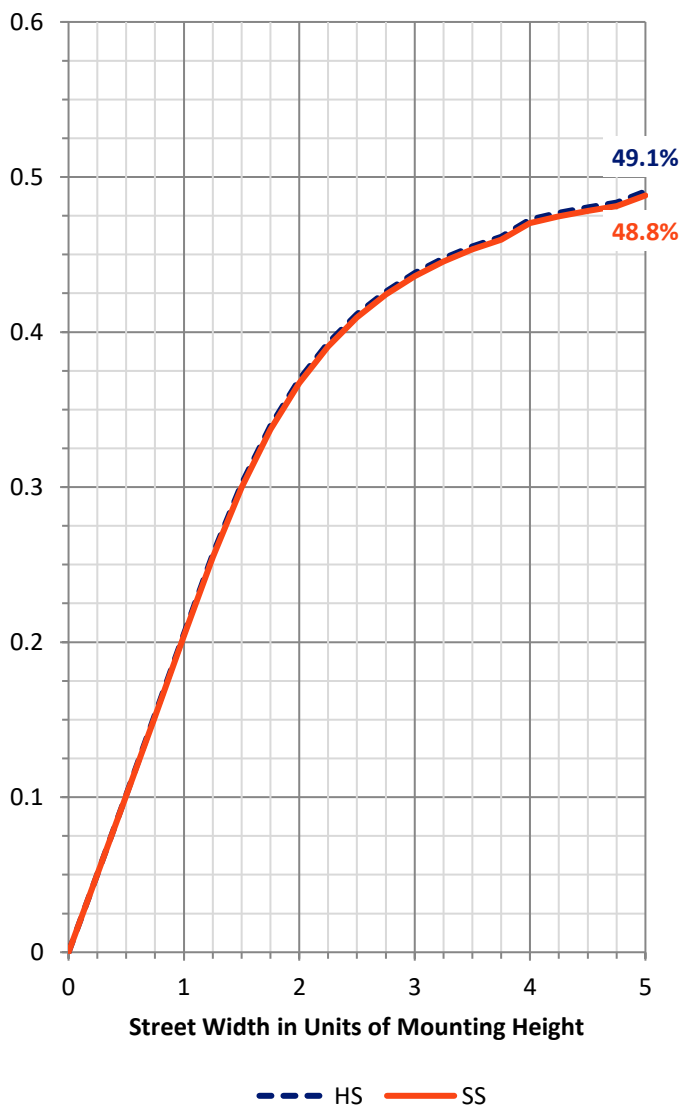
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3952.0	0.0	3952.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	3952.0	0.0	3952.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	7904.0	0.0	7904.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	21.2	0.3
10°-20°	72.7	0.9
20°-30°	149.8	1.9
30°-40°	323.6	4.1
40°-50°	834.7	10.6
50°-60°	1800.9	22.8
60°-70°	2341.8	29.6
70°-80°	1835.3	23.2
80°-90°	523.9	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°	7904.0	100.0
0°-180°	7904.0	100.0

Coefficient of Utilization



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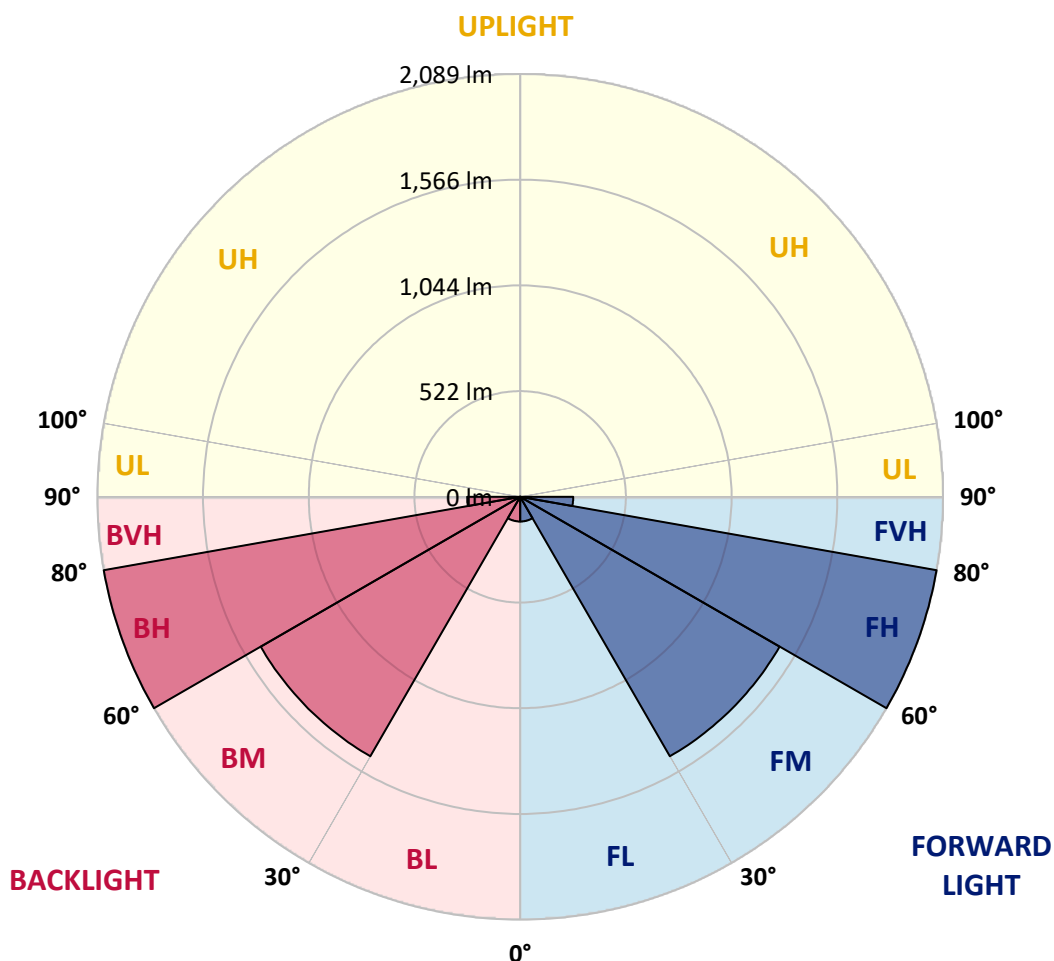
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	121.9	1.5			
FM (30°-60°)	1479.6	18.7			
FH (60°-80°)	2088.5	26.4			G2/5000
FVH (80°-90°)	262.0	3.3			G3/500
BL (0°-30°)	121.9	1.5	B1/500		
BM (30°-60°)	1479.6	18.7	B2/2500		
BH (60°-80°)	2088.5	26.4	B3/2500		G2/5000
BVH (80°-90°)	262.0	3.3			G3/500
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G3

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	209.8	209.8	209.8	209.8	209.8	209.8	209.8	209.8	209.8	209.8	209.8
2.5°	211.5	211.5	211.5	211.5	211.5	211.5	211.5	211.5	211.5	211.5	211.5
5°	217.4	217.4	217.4	217.4	217.4	217.4	216.5	216.5	216.5	216.5	216.5
7.5°	224.9	224.9	224.9	224.9	224.9	224.1	224.1	224.1	224.1	224.1	224.1
10°	234.1	234.1	234.1	234.1	234.1	233.3	233.3	233.3	232.5	233.3	233.3
12.5°	245.1	244.2	244.2	244.2	243.4	243.4	242.5	241.7	241.7	241.7	242.5
15°	256.8	256.0	255.1	255.1	254.3	254.3	253.4	252.6	251.8	252.6	252.6
17.5°	269.4	269.4	267.7	266.0	267.7	267.7	266.9	264.4	262.7	262.7	262.7
20°	279.5	278.6	274.4	276.1	277.8	279.5	277.8	271.9	268.6	271.1	271.9
22.5°	298.8	298.8	293.7	293.7	297.9	300.4	295.4	290.4	286.2	288.7	289.5
25°	323.1	323.9	318.1	315.6	320.6	323.9	320.6	311.4	308.0	310.5	311.4
27.5°	352.5	351.6	345.8	342.4	347.4	352.5	349.1	339.9	334.0	335.7	335.7
30°	388.6	388.6	381.0	376.8	383.5	386.9	385.2	374.3	369.3	366.7	367.6
32.5°	433.0	432.2	426.3	425.5	429.7	432.2	428.0	417.9	413.7	414.6	416.3
35°	489.3	491.8	493.5	493.5	495.1	501.0	490.1	480.0	483.4	480.9	480.0
37.5°	578.2	578.2	585.8	590.8	594.2	589.1	575.7	574.9	575.7	580.7	577.4
40°	699.9	696.6	700.8	708.3	705.0	702.4	702.4	689.8	691.5	689.8	694.0
42.5°	852.7	855.2	849.3	856.0	846.8	845.9	854.3	850.1	835.0	839.2	831.7
45°	1049.9	1052.4	1048.2	1038.1	1041.5	1050.7	1046.5	1048.2	1032.3	1027.2	1033.1
47.5°	1275.6	1274.8	1275.6	1260.5	1266.4	1270.6	1274.8	1262.2	1248.8	1253.8	1254.7
50°	1539.2	1529.9	1529.9	1505.6	1530.8	1530.8	1519.0	1524.0	1506.4	1516.5	1515.7
52.5°	1827.0	1827.0	1837.1	1793.4	1823.7	1811.9	1800.2	1803.5	1790.1	1802.7	1812.7
55°	2080.5	2073.7	2074.6	2044.4	2077.1	2057.8	2034.3	2045.2	2034.3	2055.3	2066.2
57.5°	2245.8	2240.8	2224.8	2220.6	2223.1	2214.7	2182.0	2186.2	2196.3	2225.6	2220.6
60°	2346.5	2360.8	2323.8	2321.3	2328.9	2333.1	2297.8	2268.4	2307.9	2333.1	2322.2
62.5°	2443.8	2446.4	2402.7	2405.2	2420.3	2379.2	2391.8	2350.7	2385.9	2392.7	2412.0
65°	2522.7	2452.2	2401.0	2460.6	2384.3	2385.9	2392.7	2369.2	2391.0	2402.7	2411.1
67.5°	2460.6	2407.8	2333.9	2376.7	2335.6	2377.5	2375.0	2286.9	2354.9	2369.2	2323.0
70°	2312.1	2313.8	2232.4	2255.9	2212.2	2207.2	2244.9	2184.5	2239.9	2229.0	2199.6
72.5°	2117.4	2102.3	2022.6	2068.7	1980.6	2026.7	2044.4	2000.7	2034.3	2012.5	2025.9
75°	1858.9	1816.1	1758.2	1767.4	1753.2	1805.2	1809.4	1724.6	1776.7	1763.2	1753.2
77.5°	1545.0	1509.8	1475.4	1451.9	1451.0	1450.2	1479.6	1430.9	1466.1	1472.9	1430.9
80°	1159.0	1162.3	1137.2	1145.6	1101.9	1122.1	1126.3	1130.4	1111.1	1118.7	1102.8
82.5°	808.2	804.8	791.4	777.1	789.7	814.1	798.9	783.8	772.9	787.2	798.9
85°	449.8	454.9	449.8	439.8	461.6	444.8	447.3	434.7	438.9	431.4	432.2
87.5°	126.7	133.4	130.1	127.6	125.0	120.8	141.0	126.7	115.8	120.0	120.8
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)