

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: P553676

Luminaire Tested: **ARB-B4-LED-D1-T5-7030**

Issue Date: 7/12/2021

Test Information

Test Method: LM-79-08
Report Number: P553676
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-T5-7030
Description: ARBOR OUTDOOR ARCHITECTURAL POST TOP
70 CRI, 3000K LEDS AND TYPE V OPTIC
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8761 lumens
Efficiency: N/A
Efficacy: 91.3 lumens/watt
Luminous Opening: Circular (Dia: 1.62' x H: 0')
IES Classification: Type V - Short
BUG Rating: B3 - U0 - G3

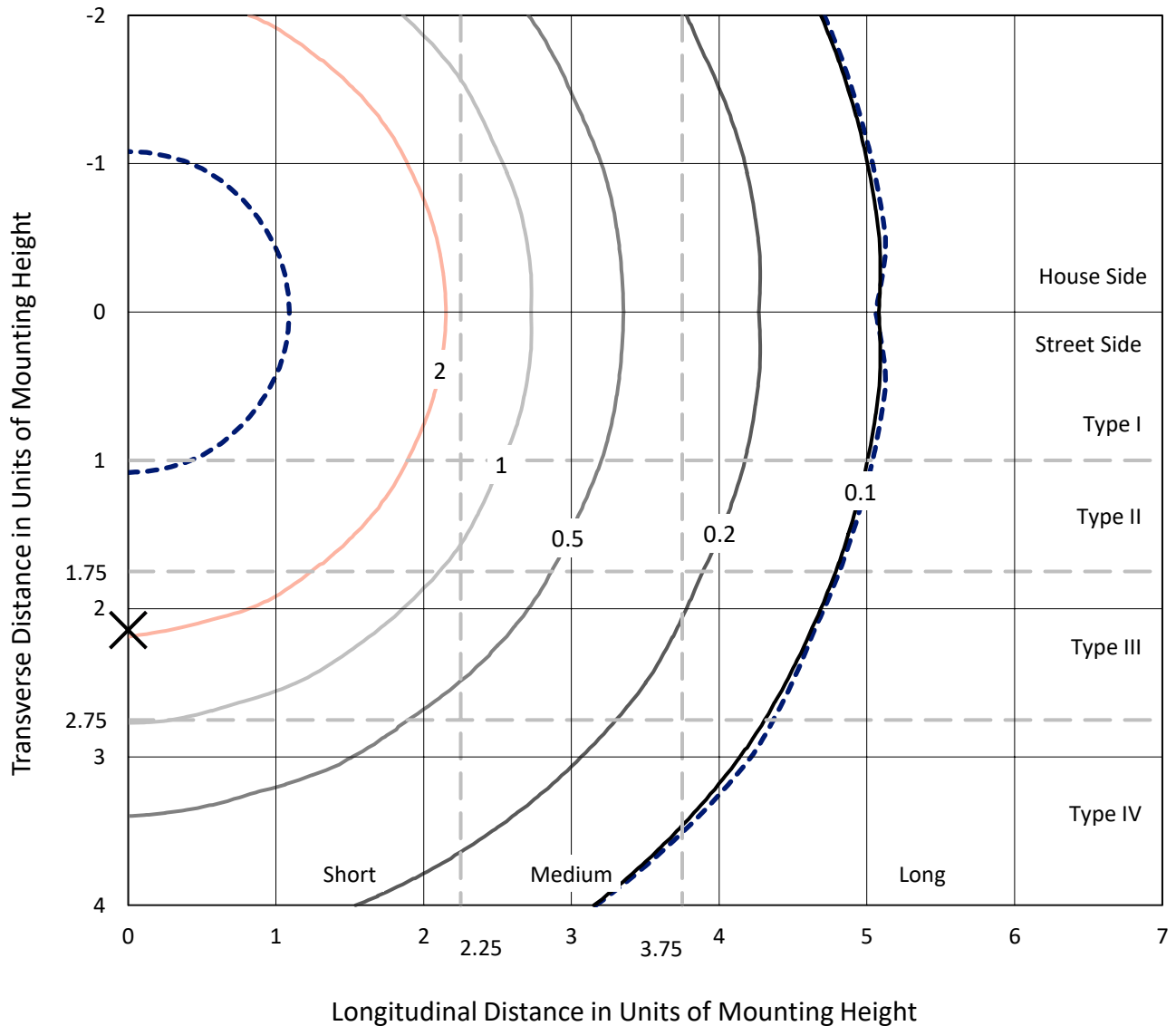
Input Watts (W): 96
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

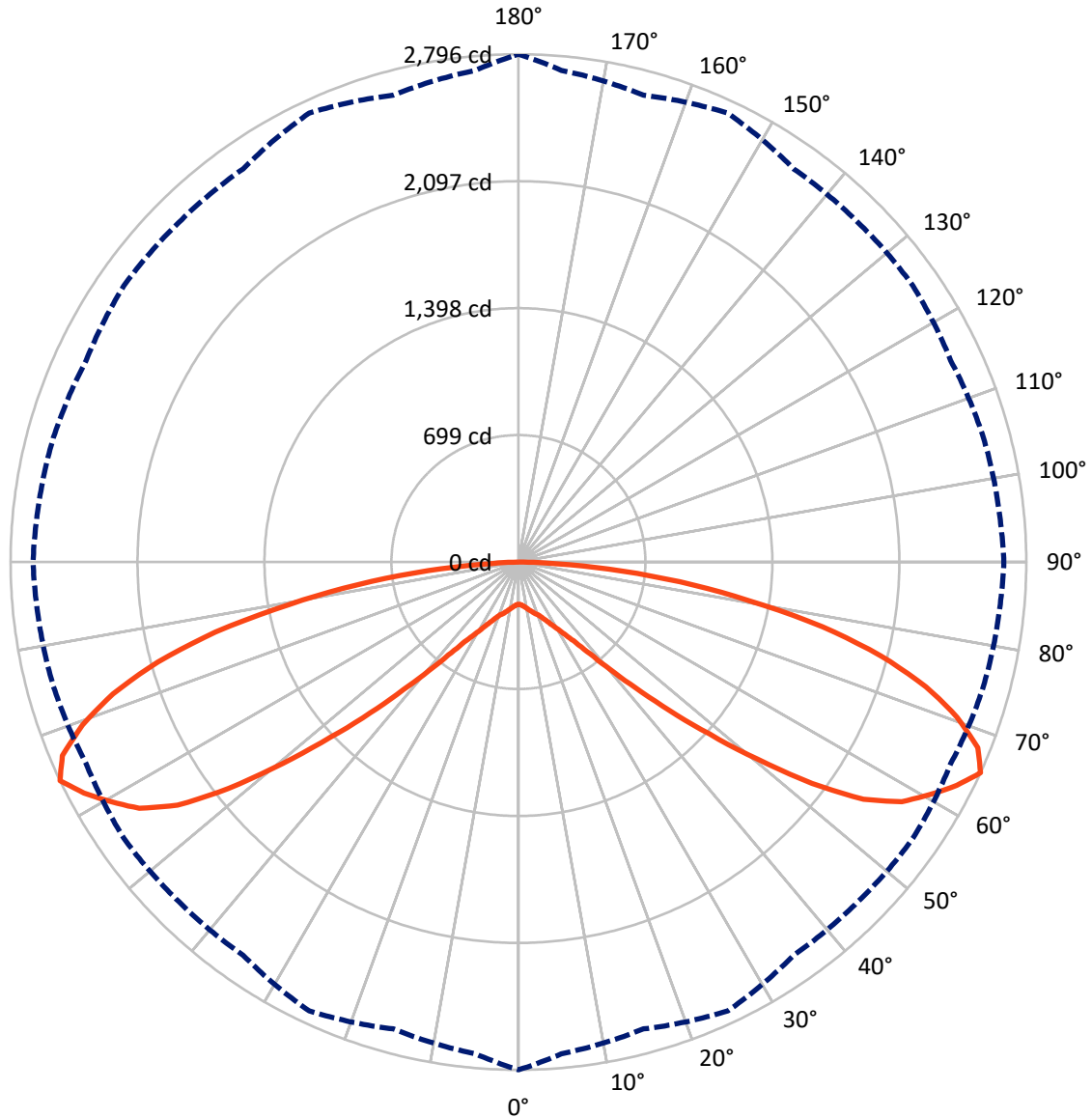
× Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 4.6 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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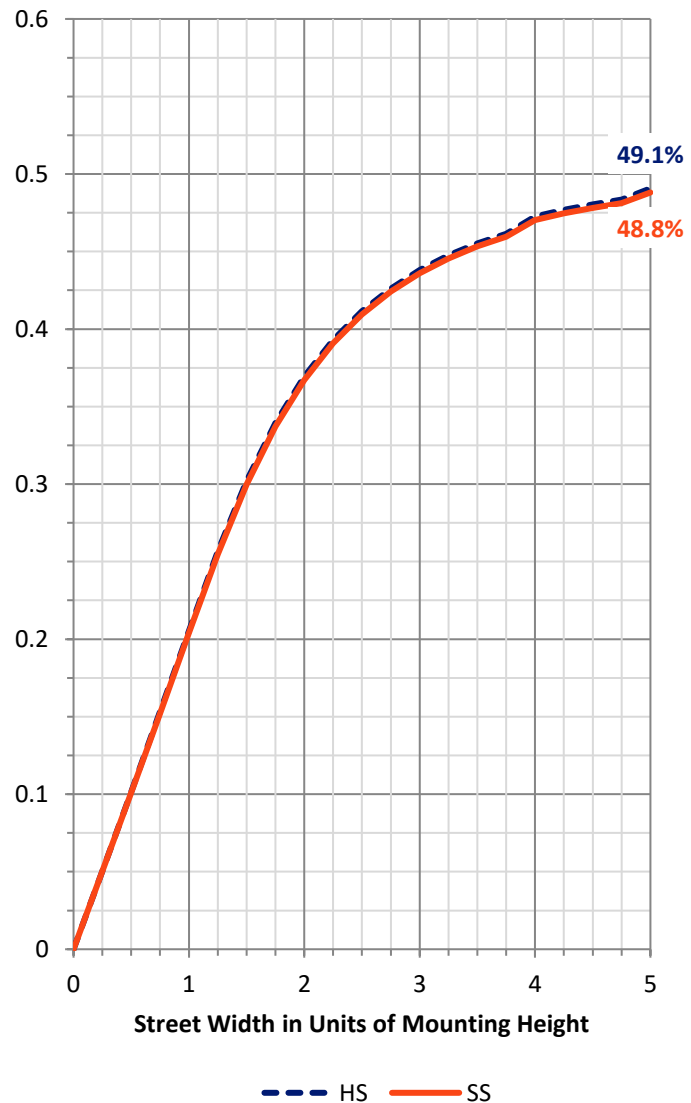
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4380.5	0.0	4380.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	4380.5	0.0	4380.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	8761.0	0.0	8761.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	23.5	0.3
10°-20°	80.6	0.9
20°-30°	166.0	1.9
30°-40°	358.7	4.1
40°-50°	925.2	10.6
50°-60°	1996.2	22.8
60°-70°	2595.7	29.6
70°-80°	2034.3	23.2
80°-90°	580.7	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°	8761.0	100.0
0°-180°	8761.0	100.0



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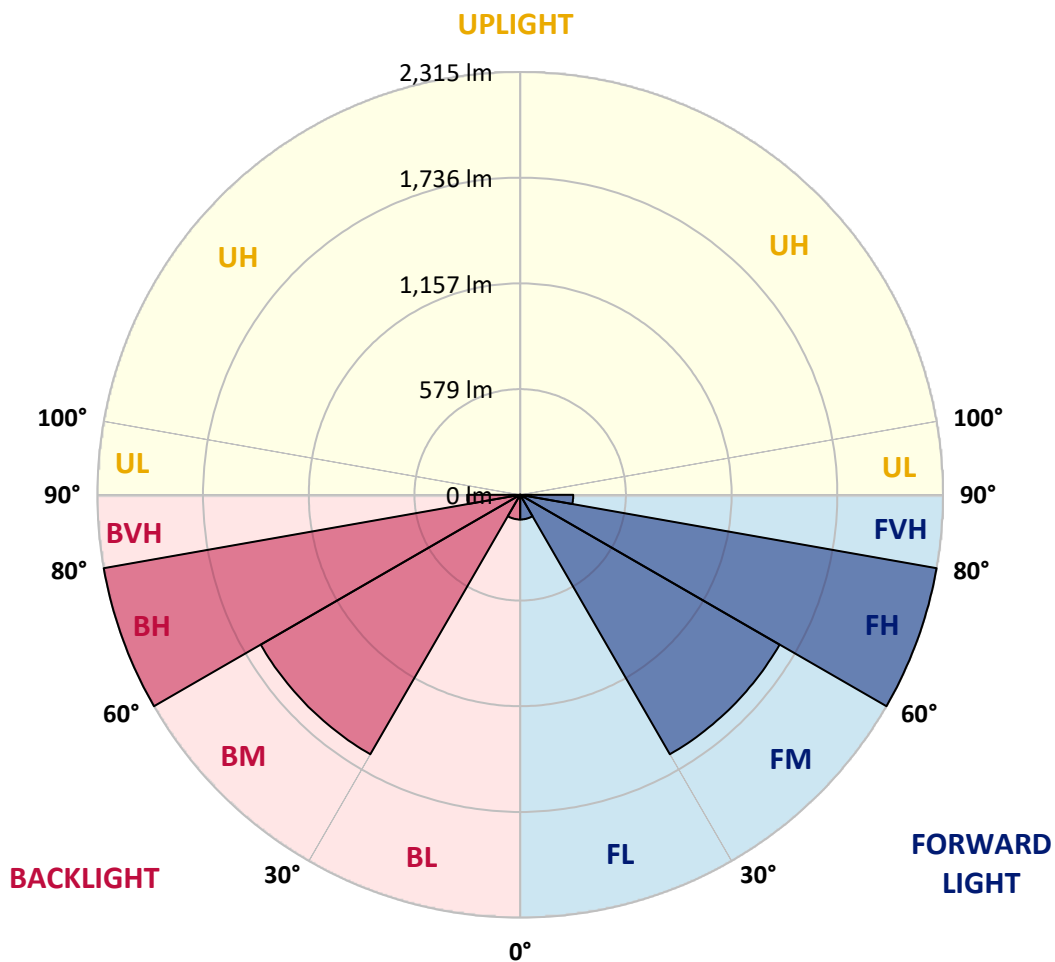
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	135.1	1.5			
FM (30°-60°)	1640.1	18.7			
FH (60°-80°)	2315.0	26.4			G2/5000
FVH (80°-90°)	290.4	3.3			G3/500
BL (0°-30°)	135.1	1.5	B1/500		
BM (30°-60°)	1640.1	18.7	B2/2500		
BH (60°-80°)	2315.0	26.4	B3/2500		G2/5000
BVH (80°-90°)	290.4	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°	232.6	232.6	232.6	232.6	232.6	232.6	232.6	232.6	232.6	232.6	232.6
2.5°	234.4	234.4	234.4	234.4	234.4	234.4	234.4	234.4	234.4	234.4	234.4
5°	240.9	240.9	240.9	240.9	240.9	240.9	240.0	240.0	240.0	240.0	240.0
7.5°	249.3	249.3	249.3	249.3	249.3	248.4	248.4	248.4	248.4	248.4	248.4
10°	259.5	259.5	259.5	259.5	259.5	258.6	258.6	258.6	257.7	258.6	258.6
12.5°	271.6	270.7	270.7	270.7	269.8	269.8	268.8	267.9	267.9	267.9	268.8
15°	284.6	283.7	282.8	282.8	281.9	281.9	280.9	280.0	279.1	280.0	280.0
17.5°	298.6	298.6	296.7	294.9	296.7	296.7	295.8	293.0	291.2	291.2	291.2
20°	309.8	308.8	304.2	306.0	307.9	309.8	307.9	301.4	297.7	300.5	301.4
22.5°	331.2	331.2	325.6	325.6	330.2	333.0	327.4	321.9	317.2	320.0	320.9
25°	358.1	359.1	352.6	349.8	355.3	359.1	355.3	345.1	341.4	344.2	345.1
27.5°	390.7	389.8	383.3	379.5	385.1	390.7	387.0	376.7	370.2	372.1	372.1
30°	430.7	430.7	422.3	417.7	425.1	428.8	427.0	414.9	409.3	406.5	407.4
32.5°	480.0	479.1	472.6	471.6	476.3	479.1	474.4	463.3	458.6	459.5	461.4
35°	542.3	545.1	547.0	547.0	548.8	555.3	543.3	532.1	535.8	533.0	532.1
37.5°	640.9	640.9	649.3	654.9	658.6	653.0	638.1	637.2	638.1	643.7	640.0
40°	775.8	772.1	776.7	785.1	781.4	778.6	778.6	764.6	766.5	764.6	769.3
42.5°	945.1	947.9	941.4	948.8	938.6	937.7	947.0	942.3	925.6	930.2	921.9
45°	1163.7	1166.5	1161.9	1150.7	1154.4	1164.6	1160.0	1161.9	1144.2	1138.6	1145.1
47.5°	1413.9	1413.0	1413.9	1397.2	1403.7	1408.4	1413.0	1399.1	1384.2	1389.8	1390.7
50°	1706.0	1695.8	1695.8	1668.8	1696.7	1696.7	1683.7	1689.3	1669.8	1680.9	1680.0
52.5°	2025.1	2025.1	2036.3	1987.9	2021.4	2008.4	1995.3	1999.1	1984.2	1998.1	2009.3
55°	2306.0	2298.6	2299.5	2266.0	2302.3	2280.9	2254.9	2267.0	2254.9	2278.1	2290.2
57.5°	2489.3	2483.7	2466.0	2461.4	2464.2	2454.9	2418.6	2423.2	2434.4	2467.0	2461.4
60°	2600.9	2616.7	2575.8	2573.0	2581.4	2586.0	2547.0	2514.4	2558.1	2586.0	2573.9
62.5°	2708.8	2711.6	2663.2	2666.0	2682.8	2637.2	2651.1	2605.6	2644.6	2652.1	2673.5
65°	2796.3	2718.1	2661.4	2727.4	2642.8	2644.6	2652.1	2626.0	2650.2	2663.2	2672.5
67.5°	2727.4	2668.8	2587.0	2634.4	2588.8	2635.3	2632.5	2534.9	2610.2	2626.0	2574.9
70°	2562.8	2564.6	2474.4	2500.5	2452.1	2446.5	2488.4	2421.4	2482.8	2470.7	2438.1
72.5°	2347.0	2330.2	2241.8	2293.0	2195.3	2246.5	2266.0	2217.7	2254.9	2230.7	2245.6
75°	2060.5	2013.0	1948.8	1959.1	1943.2	2000.9	2005.6	1911.6	1969.3	1954.4	1943.2
77.5°	1712.5	1673.5	1635.3	1609.3	1608.4	1607.4	1640.0	1586.0	1625.1	1632.5	1586.0
80°	1284.6	1288.4	1260.5	1269.8	1221.4	1243.7	1248.4	1253.0	1231.6	1240.0	1222.3
82.5°	895.8	892.1	877.2	861.4	875.3	902.3	885.6	868.8	856.7	872.6	885.6
85°	498.6	504.2	498.6	487.4	511.6	493.0	495.8	481.9	486.5	478.1	479.1
87.5°	140.5	147.9	144.2	141.4	138.6	134.0	156.3	140.5	128.4	133.0	134.0
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)