

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: P553678

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

Issue Date: 7/12/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P553678  
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  
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: 9464 lumens  
Efficiency: N/A  
Efficacy: 98.6 lumens/watt  
Luminous Opening: Circular (Dia: 1.62' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B4 - U0 - G3

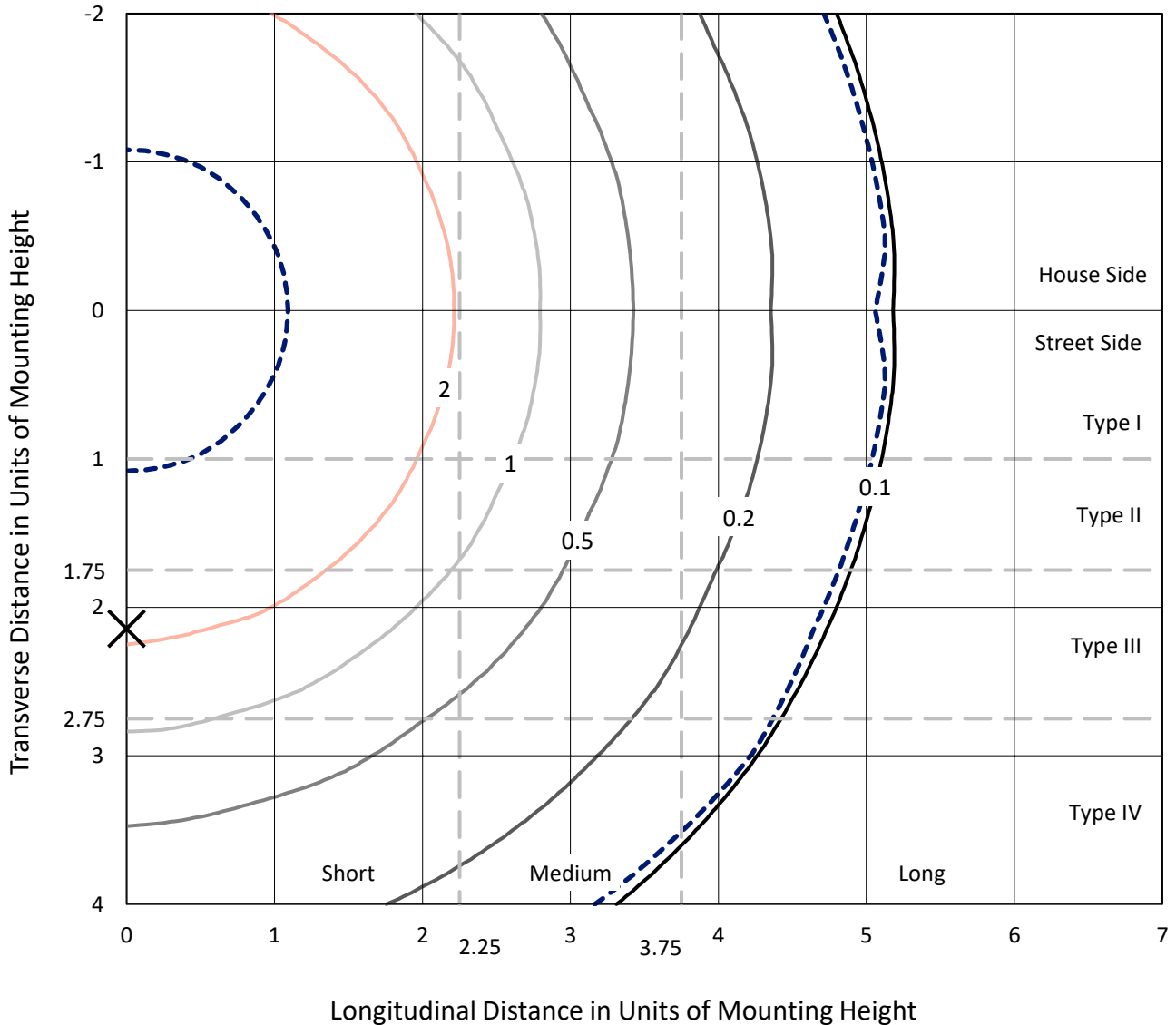
Input Watts (W): 96  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

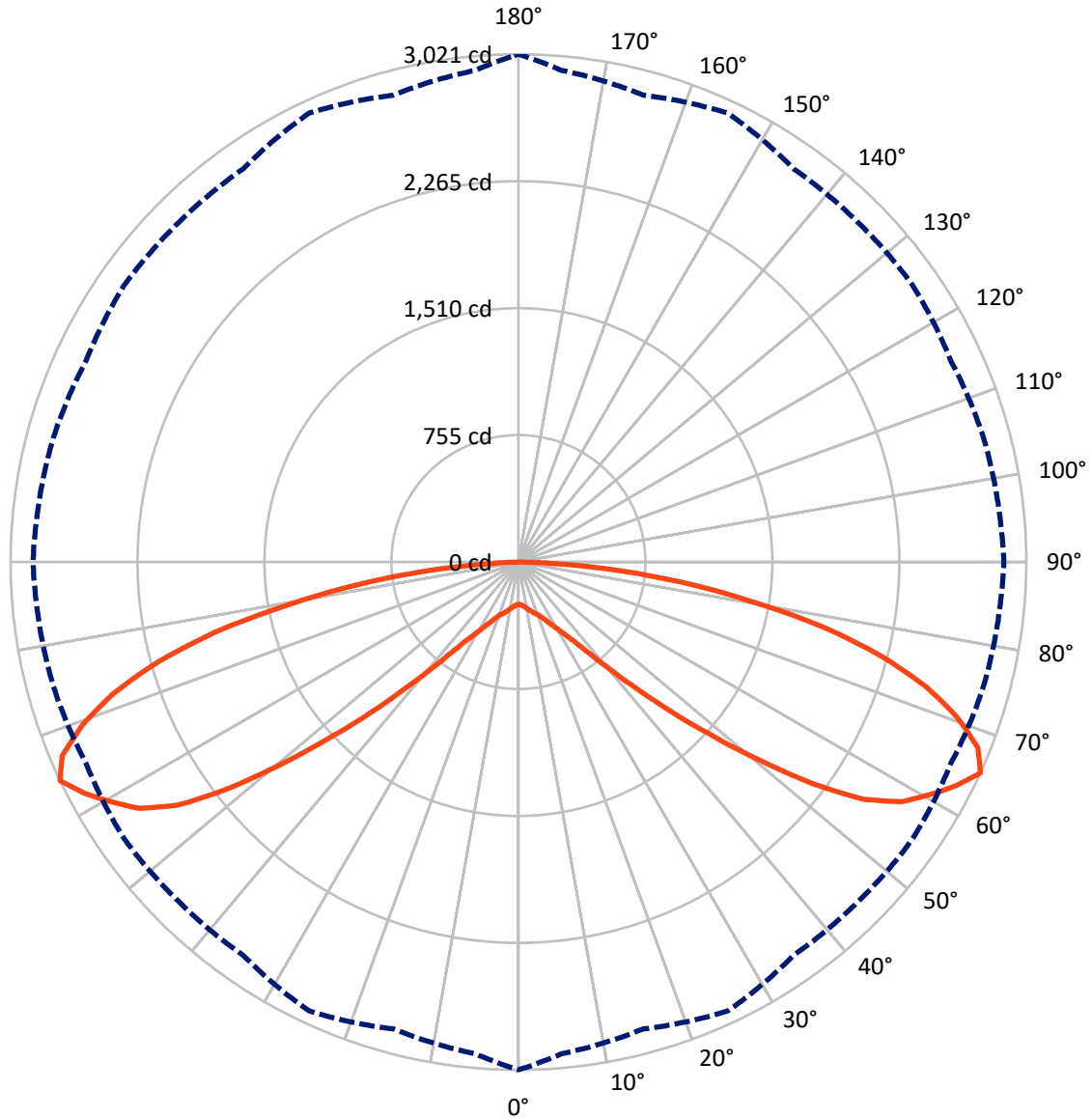
× Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 5 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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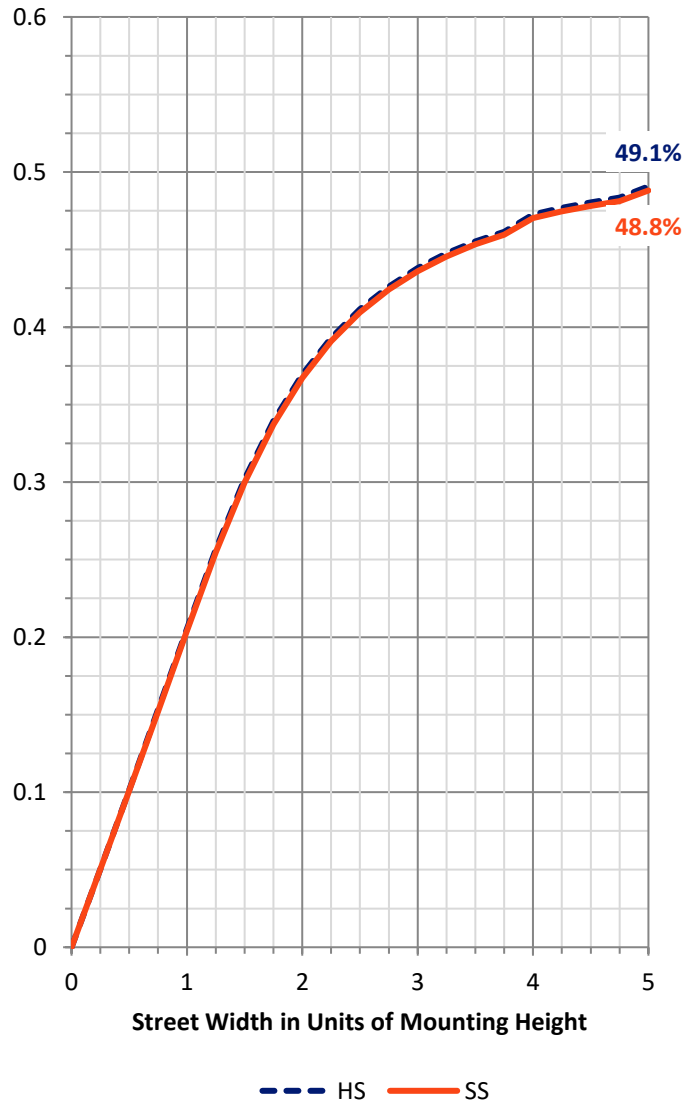
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	4732.0	0.0	4732.0
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	4732.0	0.0	4732.0
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	9464.0	0.0	9464.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	25.4	0.3
10°-20°	87.1	0.9
20°-30°	179.3	1.9
30°-40°	387.5	4.1
40°-50°	999.4	10.6
50°-60°	2156.4	22.8
60°-70°	2803.9	29.6
70°-80°	2197.5	23.2
80°-90°	627.3	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°	9464.0	100.0
0°-180°	9464.0	100.0

**Coefficient of Utilization**



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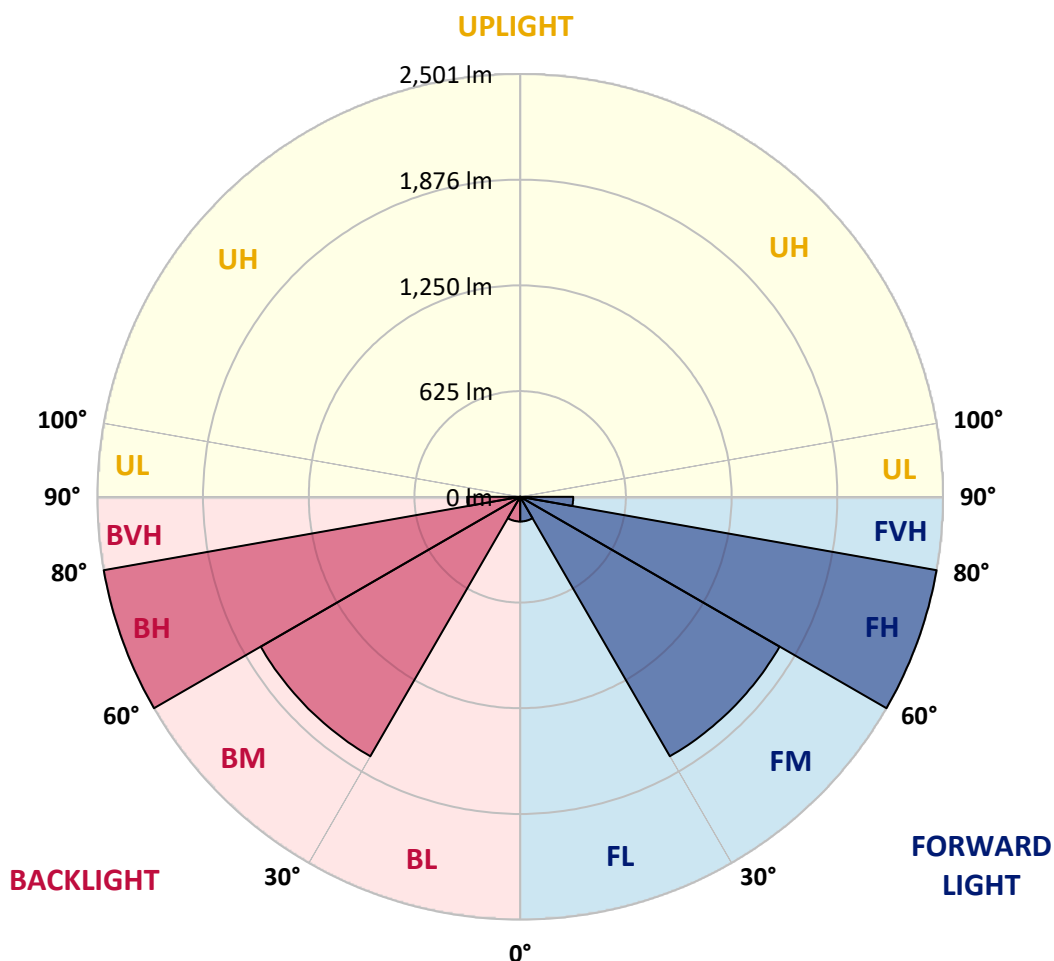
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	145.9	1.5			
FM	(30°-60°)	1771.7	18.7			
FH	(60°-80°)	2500.7	26.4			G2/5000
FVH	(80°-90°)	313.7	3.3			G3/500
BL	(0°-30°)	145.9	1.5	B1/500		
BM	(30°-60°)	1771.7	18.7	B2/2500		
BH	(60°-80°)	2500.7	26.4	B4/5000		G2/5000
BVH	(80°-90°)	313.7	3.3			G3/500
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B4-U0-G3**

Type V Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	251.2	251.2	251.2	251.2	251.2	251.2	251.2	251.2	251.2	251.2	251.2
2.5°	253.2	253.2	253.2	253.2	253.2	253.2	253.2	253.2	253.2	253.2	253.2
5°	260.3	260.3	260.3	260.3	260.3	260.3	259.3	259.3	259.3	259.3	259.3
7.5°	269.3	269.3	269.3	269.3	269.3	268.3	268.3	268.3	268.3	268.3	268.3
10°	280.4	280.4	280.4	280.4	280.4	279.4	279.4	279.4	278.3	279.4	279.4
12.5°	293.4	292.4	292.4	292.4	291.4	291.4	290.4	289.4	289.4	289.4	290.4
15°	307.5	306.5	305.5	305.5	304.5	304.5	303.5	302.5	301.5	302.5	302.5
17.5°	322.6	322.6	320.6	318.5	320.6	320.6	319.5	316.5	314.5	314.5	314.5
20°	334.6	333.6	328.6	330.6	332.6	334.6	332.6	325.6	321.6	324.6	325.6
22.5°	357.7	357.7	351.7	351.7	356.7	359.7	353.7	347.7	342.7	345.7	346.7
25°	386.9	387.9	380.8	377.8	383.9	387.9	383.9	372.8	368.8	371.8	372.8
27.5°	422.0	421.0	414.0	410.0	416.0	422.0	418.0	407.0	399.9	401.9	401.9
30°	465.3	465.3	456.2	451.2	459.2	463.2	461.2	448.2	442.1	439.1	440.1
32.5°	518.5	517.5	510.5	509.5	514.5	517.5	512.5	500.4	495.4	496.4	498.4
35°	585.8	588.9	590.9	590.9	592.9	599.9	586.8	574.8	578.8	575.8	574.8
37.5°	692.4	692.4	701.4	707.4	711.4	705.4	689.3	688.3	689.3	695.4	691.4
40°	838.1	834.0	839.1	848.1	844.1	841.1	841.1	826.0	828.0	826.0	831.0
42.5°	1020.9	1024.0	1016.9	1025.0	1013.9	1012.9	1023.0	1017.9	999.8	1004.9	995.8
45°	1257.1	1260.1	1255.1	1243.0	1247.0	1258.1	1253.1	1255.1	1236.0	1230.0	1237.0
47.5°	1527.4	1526.4	1527.4	1509.3	1516.3	1521.4	1526.4	1511.3	1495.2	1501.3	1502.3
50°	1842.9	1831.9	1831.9	1802.7	1832.9	1832.9	1818.8	1824.8	1803.7	1815.8	1814.8
52.5°	2187.6	2187.6	2199.7	2147.4	2183.6	2169.5	2155.4	2159.5	2143.4	2158.5	2170.5
55°	2491.1	2483.0	2484.0	2447.9	2487.1	2463.9	2435.8	2448.9	2435.8	2460.9	2474.0
57.5°	2689.0	2683.0	2663.9	2658.9	2661.9	2651.9	2612.7	2617.7	2629.7	2664.9	2658.9
60°	2809.6	2826.7	2782.5	2779.5	2788.5	2793.5	2751.3	2716.2	2763.4	2793.5	2780.5
62.5°	2926.2	2929.2	2876.9	2880.0	2898.0	2848.8	2863.9	2814.6	2856.8	2864.9	2888.0
65°	3020.6	2936.2	2874.9	2946.3	2854.8	2856.8	2864.9	2836.7	2862.9	2876.9	2887.0
67.5°	2946.3	2883.0	2794.5	2845.8	2796.6	2846.8	2843.8	2738.3	2819.7	2836.7	2781.5
70°	2768.4	2770.4	2673.0	2701.1	2648.8	2642.8	2688.0	2615.7	2682.0	2668.9	2633.8
72.5°	2535.3	2517.2	2421.7	2477.0	2371.5	2426.8	2447.9	2395.6	2435.8	2409.7	2425.8
75°	2225.8	2174.5	2105.2	2116.3	2099.2	2161.5	2166.5	2065.0	2127.3	2111.2	2099.2
77.5°	1850.0	1807.8	1766.6	1738.4	1737.4	1736.4	1771.6	1713.3	1755.5	1763.5	1713.3
80°	1387.7	1391.7	1361.6	1371.6	1319.4	1343.5	1348.5	1353.6	1330.4	1339.5	1320.4
82.5°	967.7	963.7	947.6	930.5	945.6	974.7	956.6	938.5	925.5	942.6	956.6
85°	538.6	544.6	538.6	526.6	552.7	532.6	535.6	520.5	525.5	516.5	517.5
87.5°	151.7	159.8	155.8	152.7	149.7	144.7	168.8	151.7	138.7	143.7	144.7
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)