

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: P553675

Luminaire Tested: **ARB-B3-LED-D1-T5**

Issue Date: 7/12/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P553675  
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-B3-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: 8511 lumens  
Efficiency: N/A  
Efficacy: 99.0 lumens/watt  
Luminous Opening: Circular (Dia: 1.62' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B3 - U0 - G3

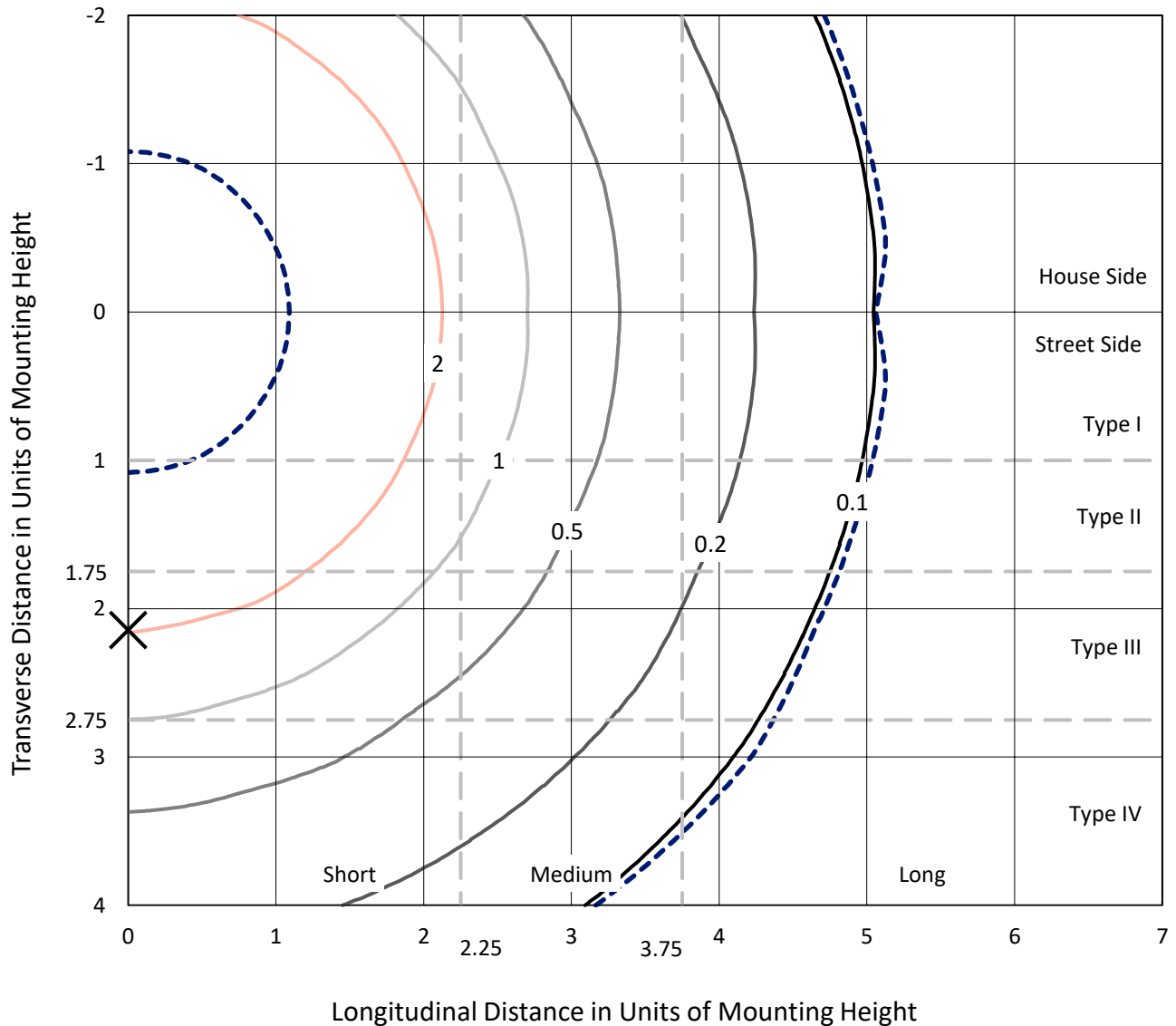
Input Watts (W): 86  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

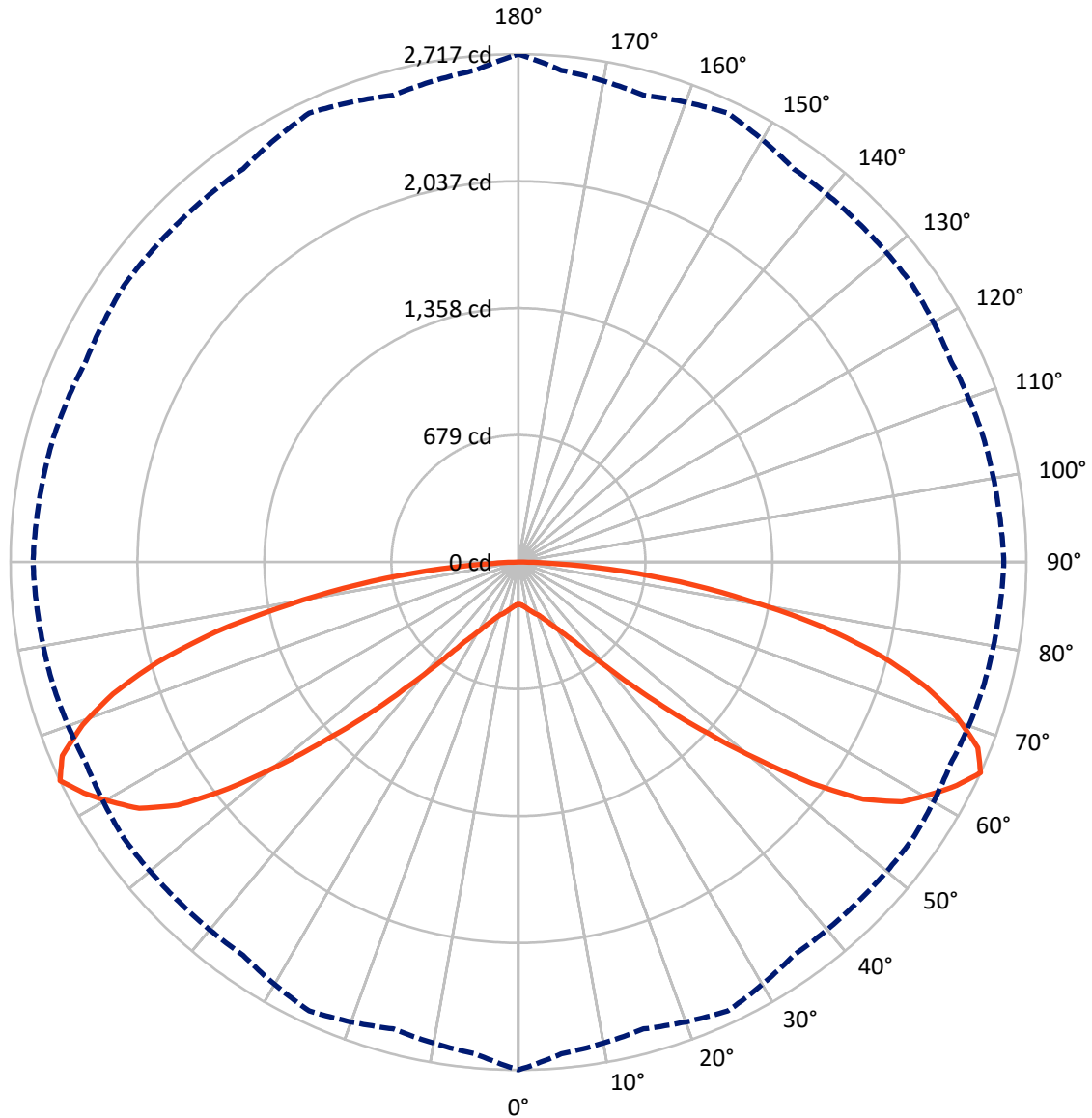
× Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 4.5 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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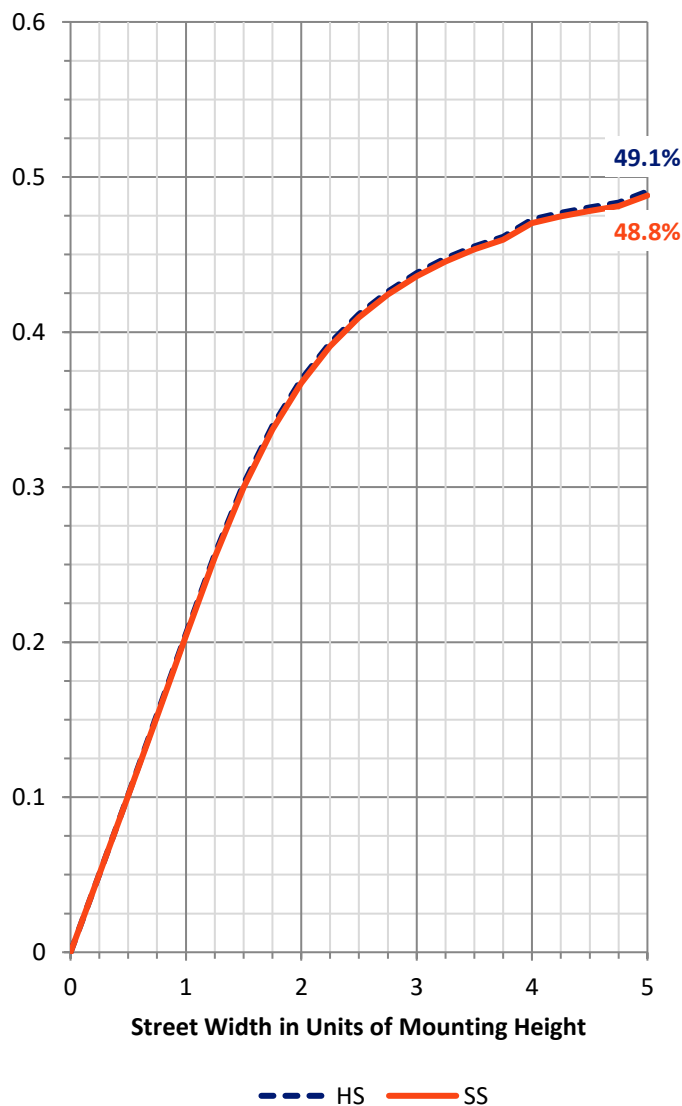
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	4255.5	0.0	4255.5
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	4255.5	0.0	4255.5
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	8511.0	0.0	8511.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	22.9	0.3
10°-20°	78.3	0.9
20°-30°	161.3	1.9
30°-40°	348.5	4.1
40°-50°	898.8	10.6
50°-60°	1939.2	22.8
60°-70°	2521.6	29.6
70°-80°	1976.2	23.2
80°-90°	564.2	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°	8511.0	100.0
0°-180°	8511.0	100.0

**Coefficient of Utilization**



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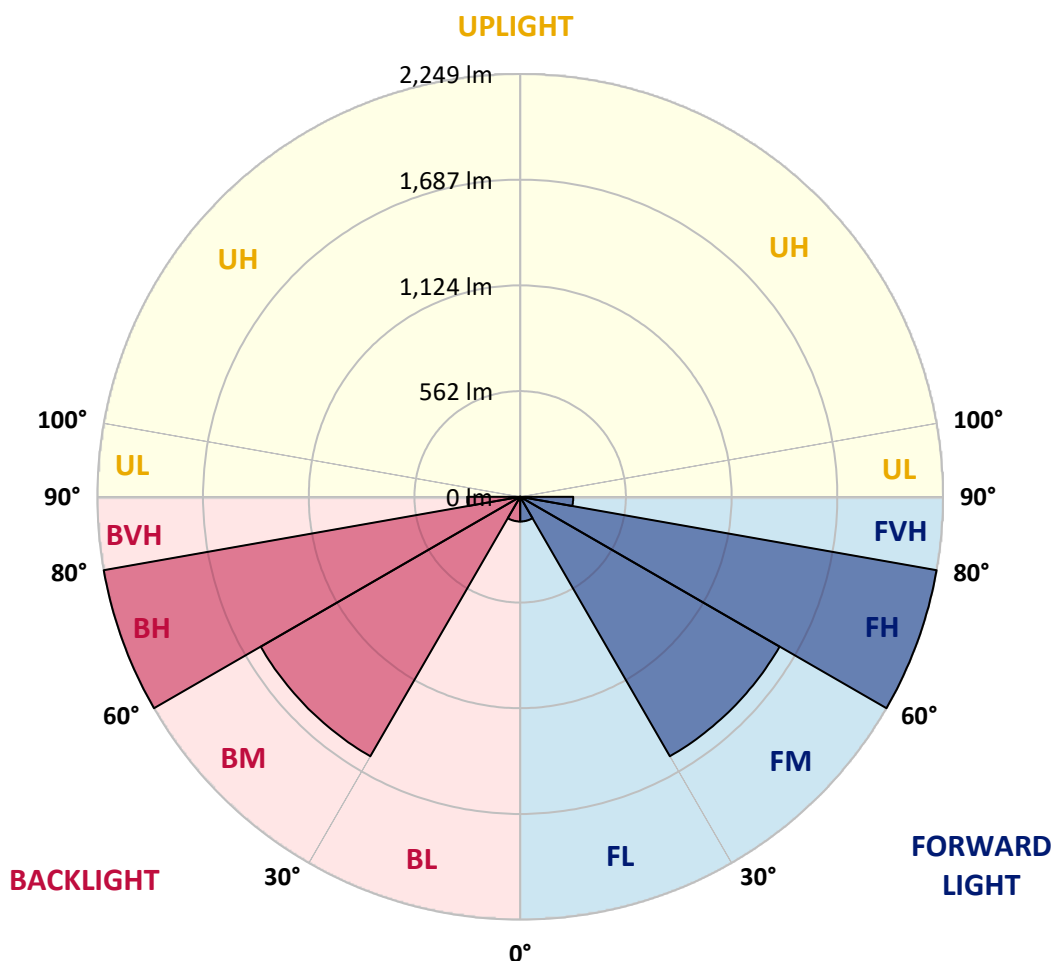
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	131.2	1.5			
FM (30°-60°)	1593.3	18.7			
FH (60°-80°)	2248.9	26.4			G2/5000
FVH (80°-90°)	282.1	3.3			G3/500
BL (0°-30°)	131.2	1.5	B1/500		
BM (30°-60°)	1593.3	18.7	B2/2500		
BH (60°-80°)	2248.9	26.4	B3/2500		G2/5000
BVH (80°-90°)	282.1	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°	225.9	225.9	225.9	225.9	225.9	225.9	225.9	225.9	225.9	225.9	225.9
2.5°	227.7	227.7	227.7	227.7	227.7	227.7	227.7	227.7	227.7	227.7	227.7
5°	234.1	234.1	234.1	234.1	234.1	234.1	233.2	233.2	233.2	233.2	233.2
7.5°	242.2	242.2	242.2	242.2	242.2	241.3	241.3	241.3	241.3	241.3	241.3
10°	252.1	252.1	252.1	252.1	252.1	251.2	251.2	251.2	250.3	251.2	251.2
12.5°	263.9	263.0	263.0	263.0	262.1	262.1	261.2	260.3	260.3	260.3	261.2
15°	276.5	275.6	274.7	274.7	273.8	273.8	272.9	272.0	271.1	272.0	272.0
17.5°	290.1	290.1	288.3	286.5	288.3	288.3	287.4	284.7	282.9	282.9	282.9
20°	300.9	300.0	295.5	297.3	299.1	300.9	299.1	292.8	289.2	291.9	292.8
22.5°	321.7	321.7	316.3	316.3	320.8	323.5	318.1	312.7	308.2	310.9	311.8
25°	347.9	348.8	342.5	339.8	345.2	348.8	345.2	335.3	331.7	334.4	335.3
27.5°	379.5	378.6	372.3	368.7	374.1	379.5	375.9	366.0	359.7	361.5	361.5
30°	418.4	418.4	410.3	405.8	413.0	416.6	414.8	403.0	397.6	394.9	395.8
32.5°	466.3	465.4	459.1	458.2	462.7	465.4	460.9	450.0	445.5	446.4	448.2
35°	526.8	529.6	531.4	531.4	533.2	539.5	527.8	516.9	520.5	517.8	516.9
37.5°	622.6	622.6	630.8	636.2	639.8	634.4	619.9	619.0	619.9	625.3	621.7
40°	753.7	750.1	754.6	762.7	759.1	756.4	756.4	742.8	744.6	742.8	747.3
42.5°	918.1	920.9	914.5	921.8	911.8	910.9	919.9	915.4	899.2	903.7	895.5
45°	1130.5	1133.2	1128.7	1117.9	1121.5	1131.4	1126.9	1128.7	1111.5	1106.1	1112.4
47.5°	1373.6	1372.7	1373.6	1357.3	1363.7	1368.2	1372.7	1359.1	1344.7	1350.1	1351.0
50°	1657.4	1647.4	1647.4	1621.2	1648.3	1648.3	1635.7	1641.1	1622.1	1633.0	1632.1
52.5°	1967.3	1967.3	1978.2	1931.2	1963.7	1951.1	1938.4	1942.0	1927.6	1941.1	1952.0
55°	2240.2	2233.0	2233.9	2201.4	2236.6	2215.8	2190.5	2202.3	2190.5	2213.1	2224.9
57.5°	2418.3	2412.8	2395.7	2391.1	2393.9	2384.8	2349.6	2354.1	2364.9	2396.6	2391.1
60°	2526.7	2542.1	2502.3	2499.6	2507.7	2512.2	2474.3	2442.7	2485.1	2512.2	2500.5
62.5°	2631.5	2634.2	2587.2	2590.0	2606.2	2561.9	2575.5	2531.2	2569.2	2576.4	2597.2
65°	2716.5	2640.6	2585.4	2649.6	2567.4	2569.2	2576.4	2551.1	2574.6	2587.2	2596.3
67.5°	2649.6	2592.7	2513.1	2559.2	2514.9	2560.1	2557.4	2462.5	2535.7	2551.1	2501.4
70°	2489.6	2491.5	2403.8	2429.1	2382.1	2376.7	2417.4	2352.3	2411.9	2400.2	2368.6
72.5°	2280.0	2263.7	2177.9	2227.6	2132.7	2182.4	2201.4	2154.4	2190.5	2167.0	2181.5
75°	2001.7	1955.6	1893.2	1903.2	1887.8	1943.8	1948.3	1857.1	1913.1	1898.6	1887.8
77.5°	1663.7	1625.7	1588.7	1563.4	1562.5	1561.6	1593.2	1540.8	1578.7	1586.0	1540.8
80°	1248.0	1251.6	1224.5	1233.5	1186.5	1208.2	1212.7	1217.3	1196.5	1204.6	1187.4
82.5°	870.2	866.6	852.2	836.8	850.4	876.6	860.3	844.0	832.3	847.7	860.3
85°	484.4	489.8	484.4	473.5	497.0	479.0	481.7	468.1	472.6	464.5	465.4
87.5°	136.5	143.7	140.1	137.4	134.6	130.1	151.8	136.5	124.7	129.2	130.1
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)