

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: P553650

Luminaire Tested: **ARB-B1-LED-D1-T5-8030**

Issue Date: 7/12/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P553650  
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-B1-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: 1930 lumens  
Efficiency: N/A  
Efficacy: 91.9 lumens/watt  
Luminous Opening: Circular (Dia: 1.62' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B2 - U0 - G1

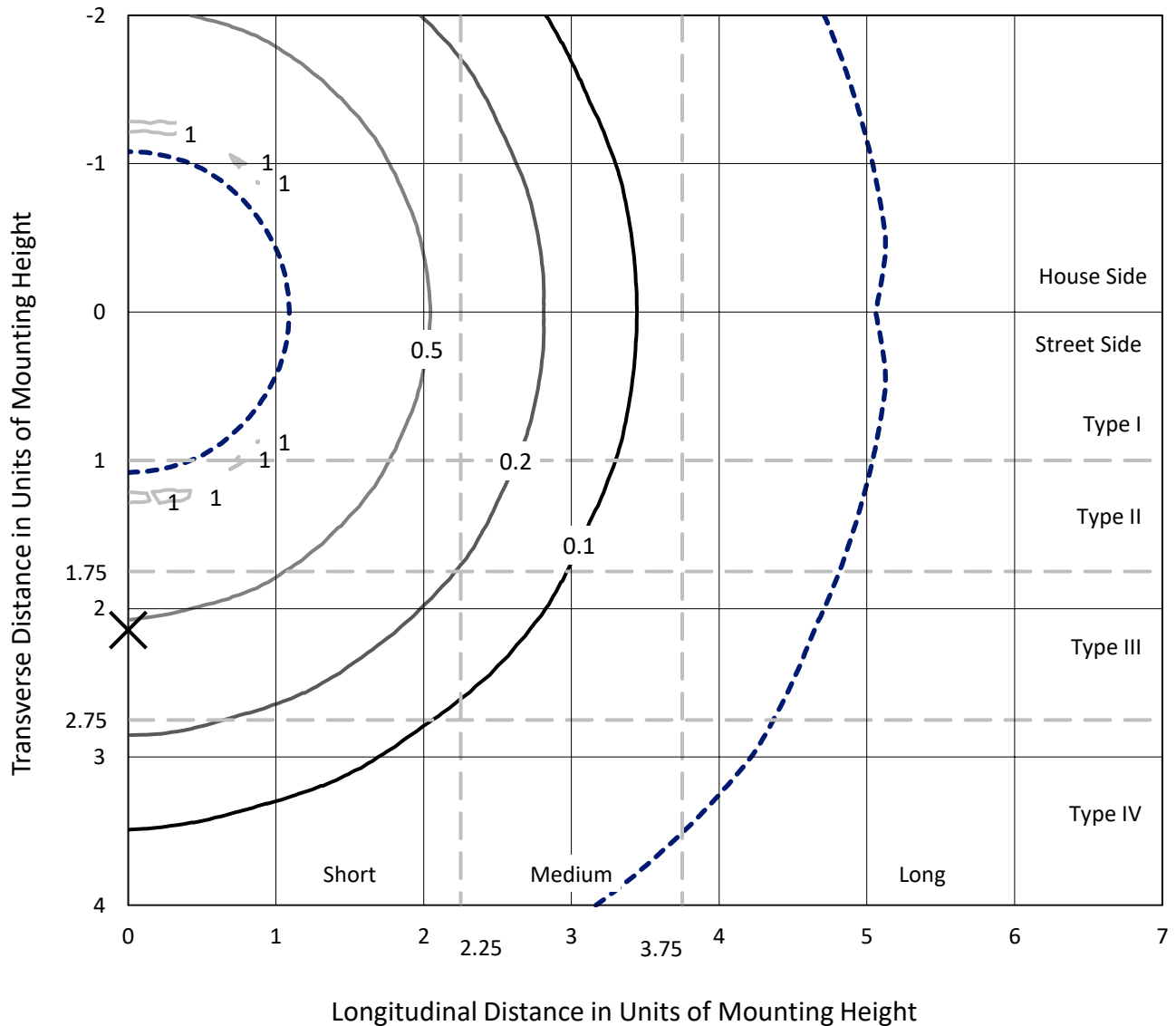
Input Watts (W): 21  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

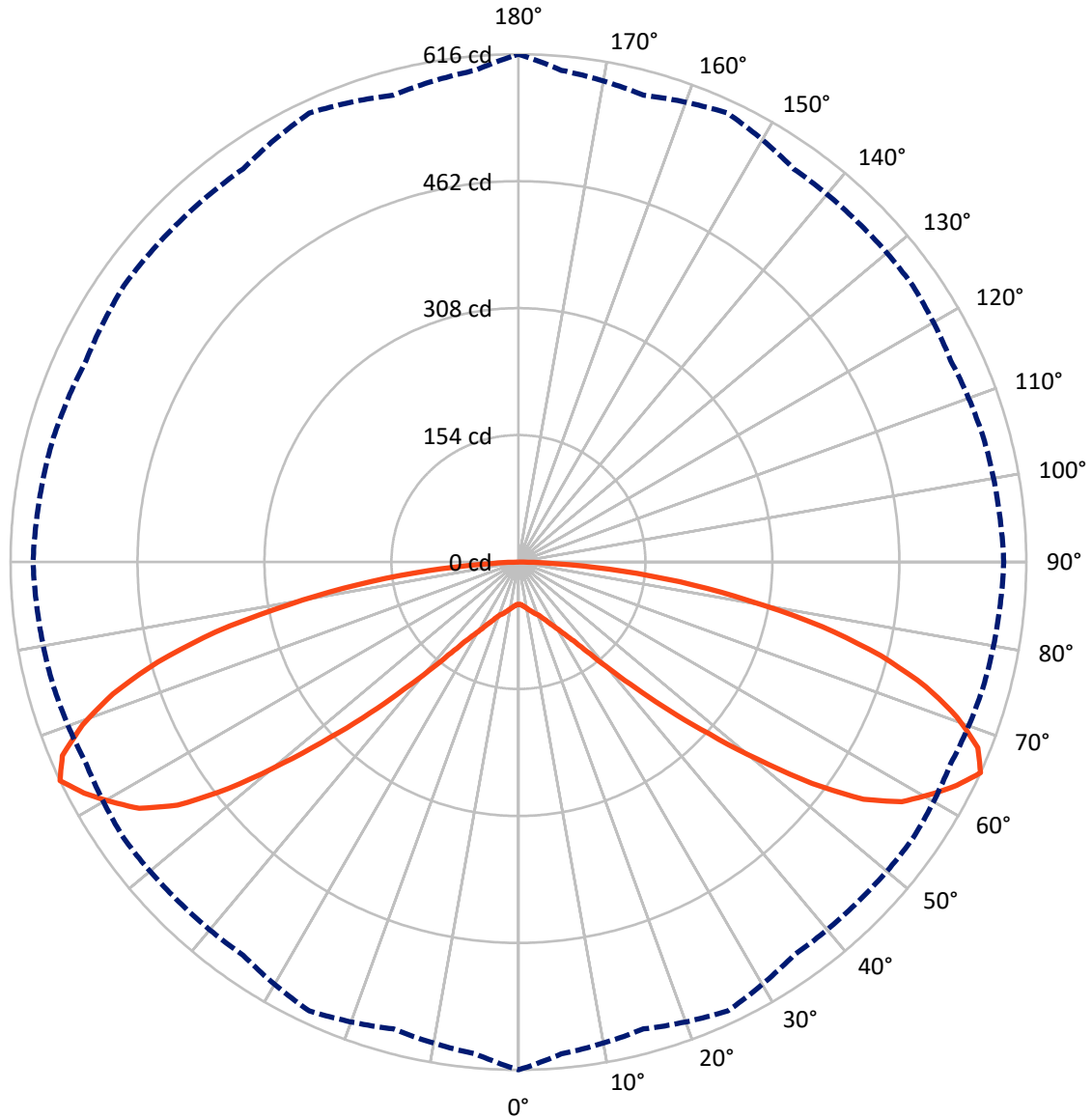
× Max cd  
 - - - 1/2 Max cd



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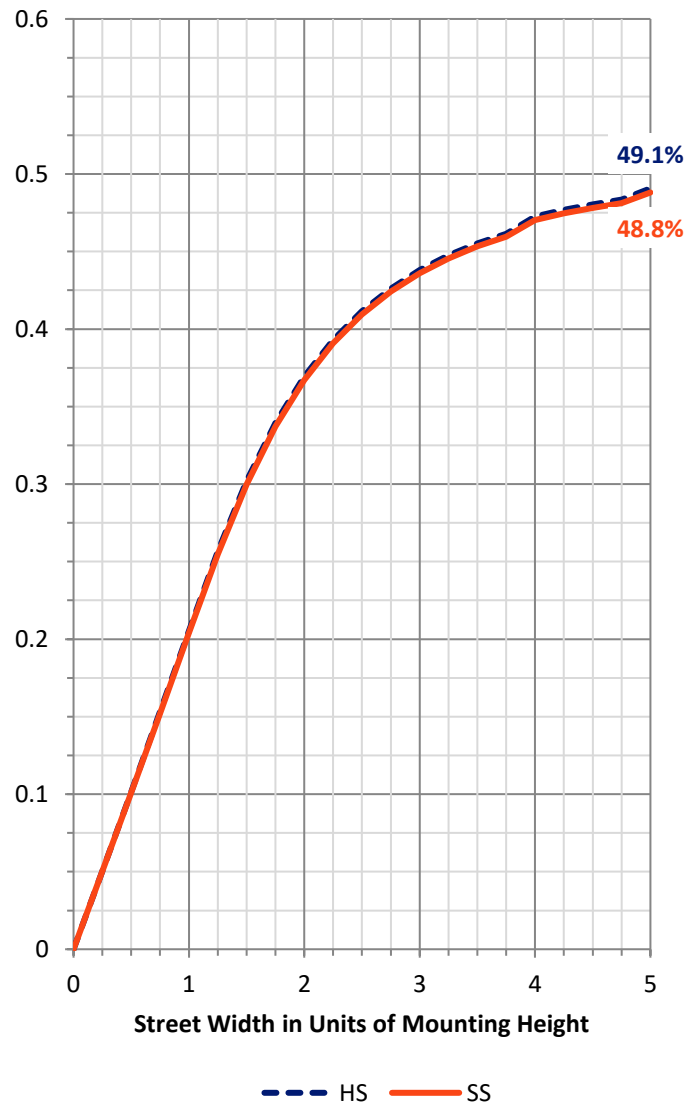
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	965.0	0.0	965.0
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	965.0	0.0	965.0
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	1930.0	0.0	1930.0
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	5.2	0.3
10°-20°	17.8	0.9
20°-30°	36.6	1.9
30°-40°	79.0	4.1
40°-50°	203.8	10.6
50°-60°	439.8	22.8
60°-70°	571.8	29.6
70°-80°	448.1	23.2
80°-90°	127.9	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°	1930.0	100.0
0°-180°	1930.0	100.0



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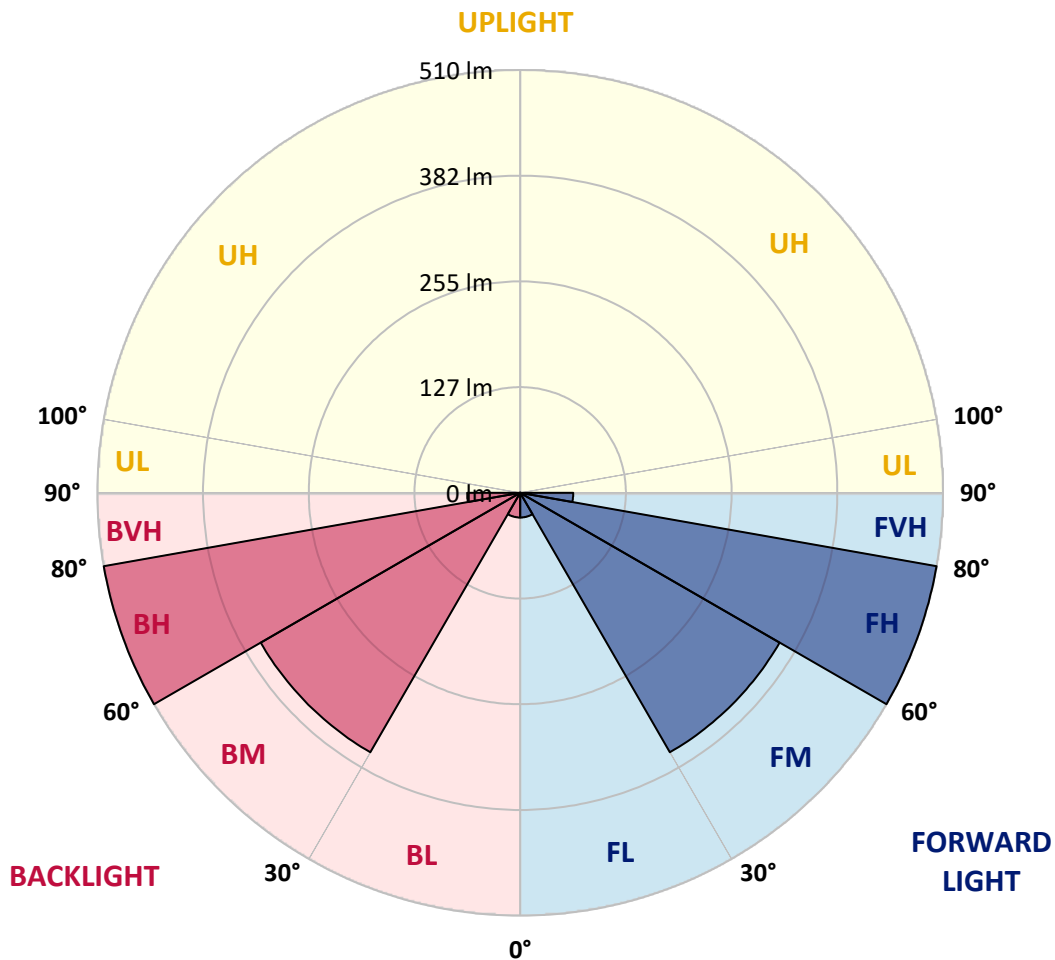
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	29.8	1.5			
FM (30°-60°)	361.3	18.7			
FH (60°-80°)	510.0	26.4			G0/660
FVH (80°-90°)	64.0	3.3			G1/100
BL (0°-30°)	29.8	1.5	B0/110		
BM (30°-60°)	361.3	18.7	B1/1000		
BH (60°-80°)	510.0	26.4	B2/1000		G0/660
BVH (80°-90°)	64.0	3.3			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B2-U0-G1**

Type V Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2
2.5°	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6
5°	53.1	53.1	53.1	53.1	53.1	53.1	52.9	52.9	52.9	52.9	52.9
7.5°	54.9	54.9	54.9	54.9	54.9	54.7	54.7	54.7	54.7	54.7	54.7
10°	57.2	57.2	57.2	57.2	57.2	57.0	57.0	57.0	56.8	57.0	57.0
12.5°	59.8	59.6	59.6	59.6	59.4	59.4	59.2	59.0	59.0	59.0	59.2
15°	62.7	62.5	62.3	62.3	62.1	62.1	61.9	61.7	61.5	61.7	61.7
17.5°	65.8	65.8	65.4	65.0	65.4	65.4	65.2	64.6	64.1	64.1	64.1
20°	68.2	68.0	67.0	67.4	67.8	68.2	67.8	66.4	65.6	66.2	66.4
22.5°	73.0	73.0	71.7	71.7	72.7	73.4	72.1	70.9	69.9	70.5	70.7
25°	78.9	79.1	77.7	77.1	78.3	79.1	78.3	76.0	75.2	75.8	76.0
27.5°	86.1	85.9	84.4	83.6	84.8	86.1	85.2	83.0	81.6	82.0	82.0
30°	94.9	94.9	93.0	92.0	93.7	94.5	94.1	91.4	90.2	89.6	89.8
32.5°	105.7	105.5	104.1	103.9	104.9	105.5	104.5	102.1	101.0	101.2	101.6
35°	119.5	120.1	120.5	120.5	120.9	122.3	119.7	117.2	118.0	117.4	117.2
37.5°	141.2	141.2	143.0	144.3	145.1	143.9	140.6	140.4	140.6	141.8	141.0
40°	170.9	170.1	171.1	173.0	172.1	171.5	171.5	168.4	168.9	168.4	169.5
42.5°	208.2	208.8	207.4	209.0	206.8	206.6	208.6	207.6	203.9	204.9	203.1
45°	256.4	257.0	256.0	253.5	254.3	256.6	255.5	256.0	252.1	250.8	252.3
47.5°	311.5	311.3	311.5	307.8	309.2	310.3	311.3	308.2	304.9	306.2	306.4
50°	375.8	373.6	373.6	367.6	373.8	373.8	370.9	372.1	367.8	370.3	370.1
52.5°	446.1	446.1	448.6	437.9	445.3	442.4	439.6	440.4	437.1	440.2	442.6
55°	508.0	506.4	506.6	499.2	507.2	502.5	496.7	499.4	496.7	501.9	504.5
57.5°	548.4	547.1	543.3	542.2	542.8	540.8	532.8	533.8	536.3	543.5	542.2
60°	573.0	576.5	567.4	566.8	568.7	569.7	561.1	553.9	563.5	569.7	567.0
62.5°	596.7	597.4	586.7	587.3	591.0	581.0	584.0	574.0	582.6	584.2	589.0
65°	616.0	598.8	586.3	600.8	582.2	582.6	584.2	578.5	583.8	586.7	588.7
67.5°	600.8	587.9	569.9	580.3	570.3	580.5	579.9	558.4	575.0	578.5	567.2
70°	564.6	565.0	545.1	550.8	540.2	538.9	548.2	533.4	546.9	544.3	537.1
72.5°	517.0	513.3	493.9	505.1	483.6	494.9	499.2	488.5	496.7	491.4	494.7
75°	453.9	443.5	429.3	431.6	428.1	440.8	441.8	421.1	433.8	430.5	428.1
77.5°	377.3	368.7	360.3	354.5	354.3	354.1	361.3	349.4	358.0	359.6	349.4
80°	283.0	283.8	277.7	279.7	269.1	274.0	275.0	276.0	271.3	273.2	269.3
82.5°	197.3	196.5	193.2	189.8	192.8	198.8	195.1	191.4	188.7	192.2	195.1
85°	109.8	111.1	109.8	107.4	112.7	108.6	109.2	106.2	107.2	105.3	105.5
87.5°	30.9	32.6	31.8	31.1	30.5	29.5	34.4	30.9	28.3	29.3	29.5
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)