

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: P553651

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

Issue Date: 7/12/2021

Test Information

Test Method: LM-79-08
Report Number: P553651
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
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: 2311 lumens
Efficiency: N/A
Efficacy: 110.0 lumens/watt
Luminous Opening: Circular (Dia: 1.62' x H: 0')
IES Classification: Type V - Short
BUG Rating: B2 - U0 - G1

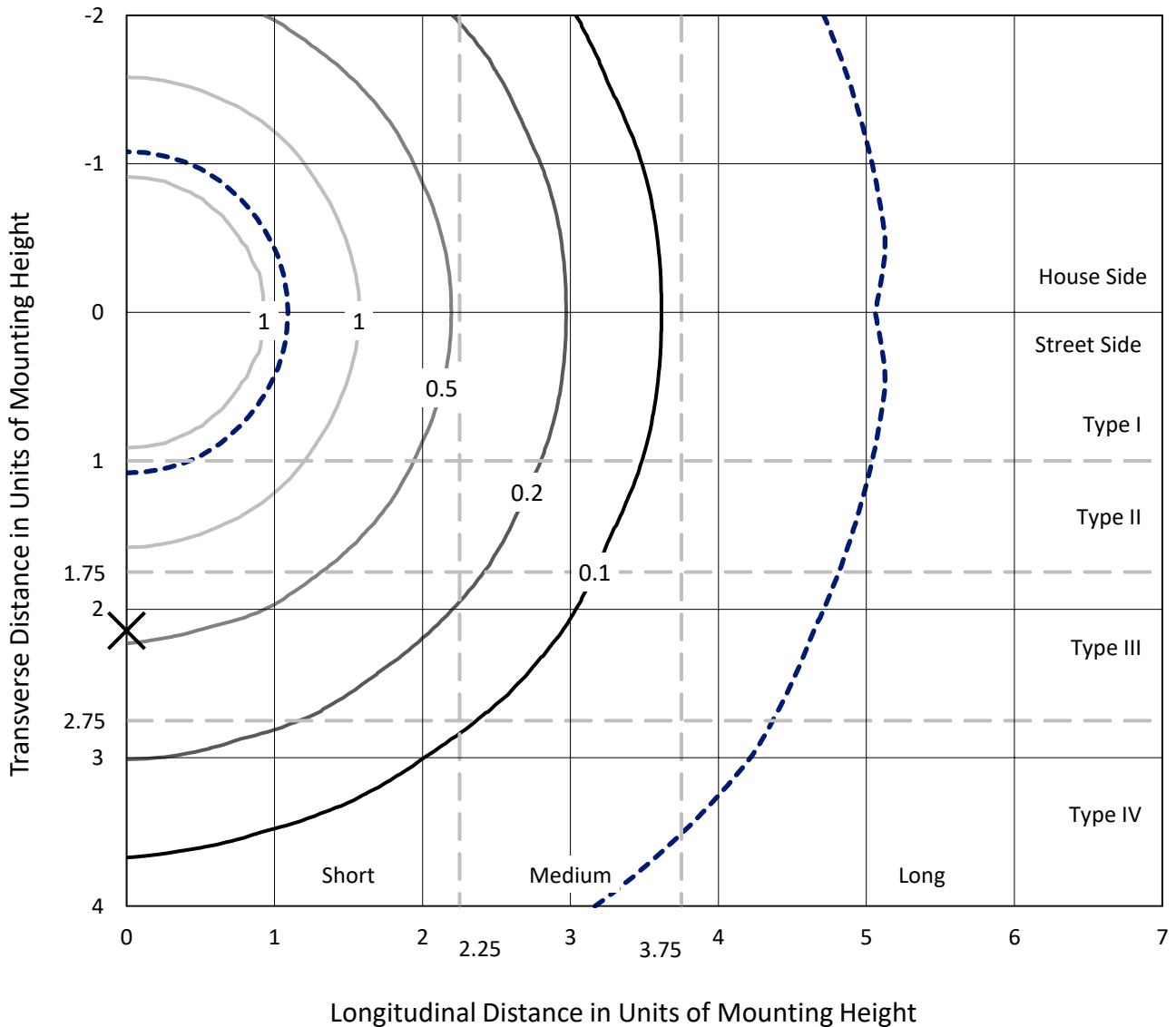
Input Watts (W): 21
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

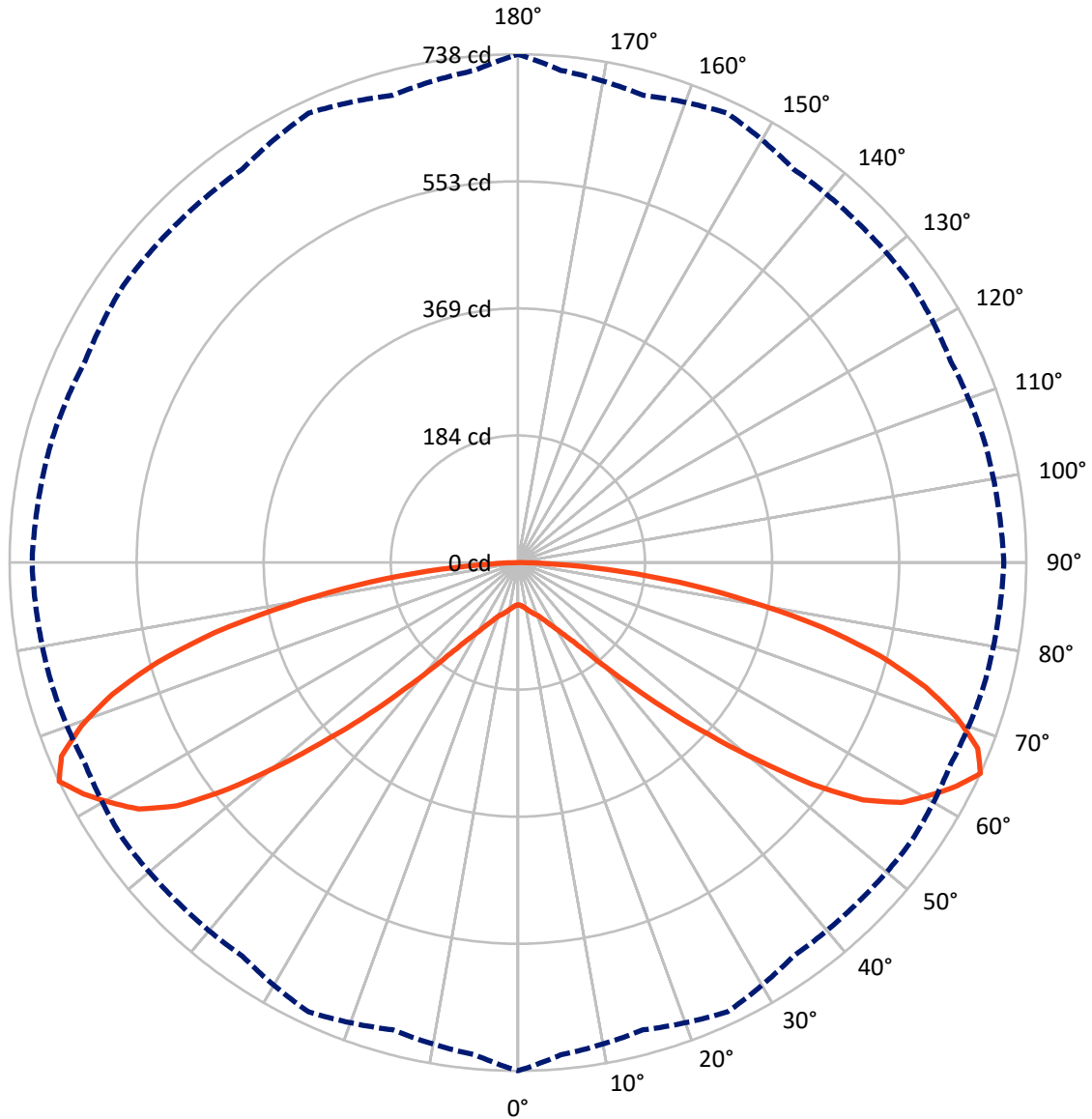
× Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 1.2 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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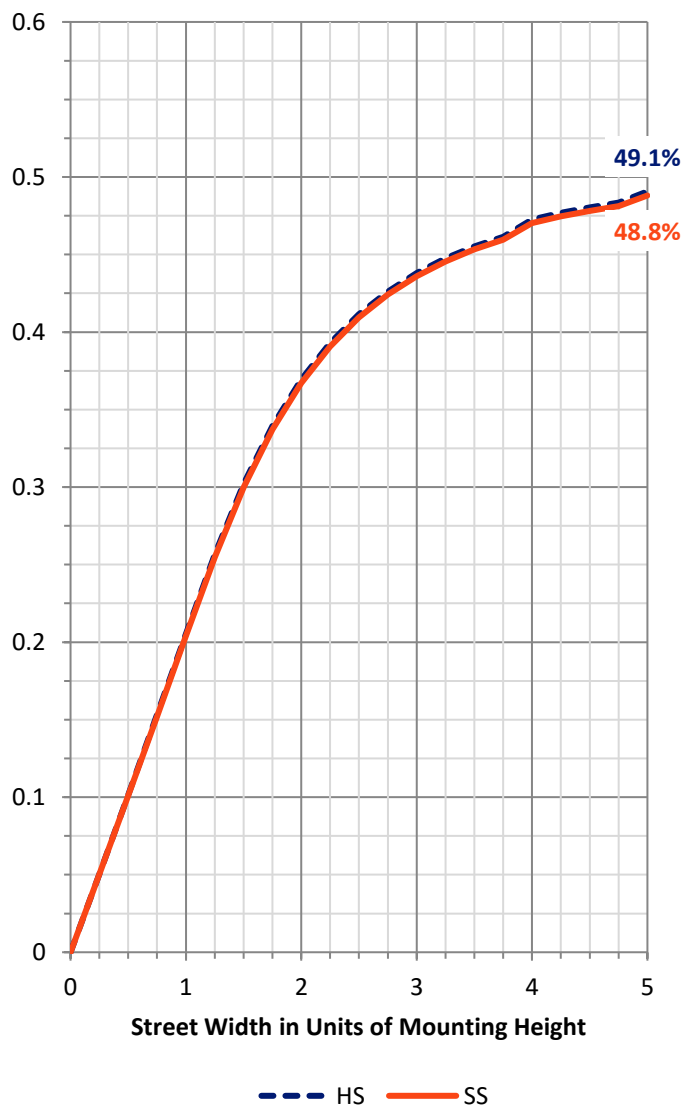
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1155.5	0.0	1155.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	1155.5	0.0	1155.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	2311.0	0.0	2311.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	6.2	0.3
10°-20°	21.3	0.9
20°-30°	43.8	1.9
30°-40°	94.6	4.1
40°-50°	244.1	10.6
50°-60°	526.6	22.8
60°-70°	684.7	29.6
70°-80°	536.6	23.2
80°-90°	153.2	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°	2311.0	100.0
0°-180°	2311.0	100.0

Coefficient of Utilization



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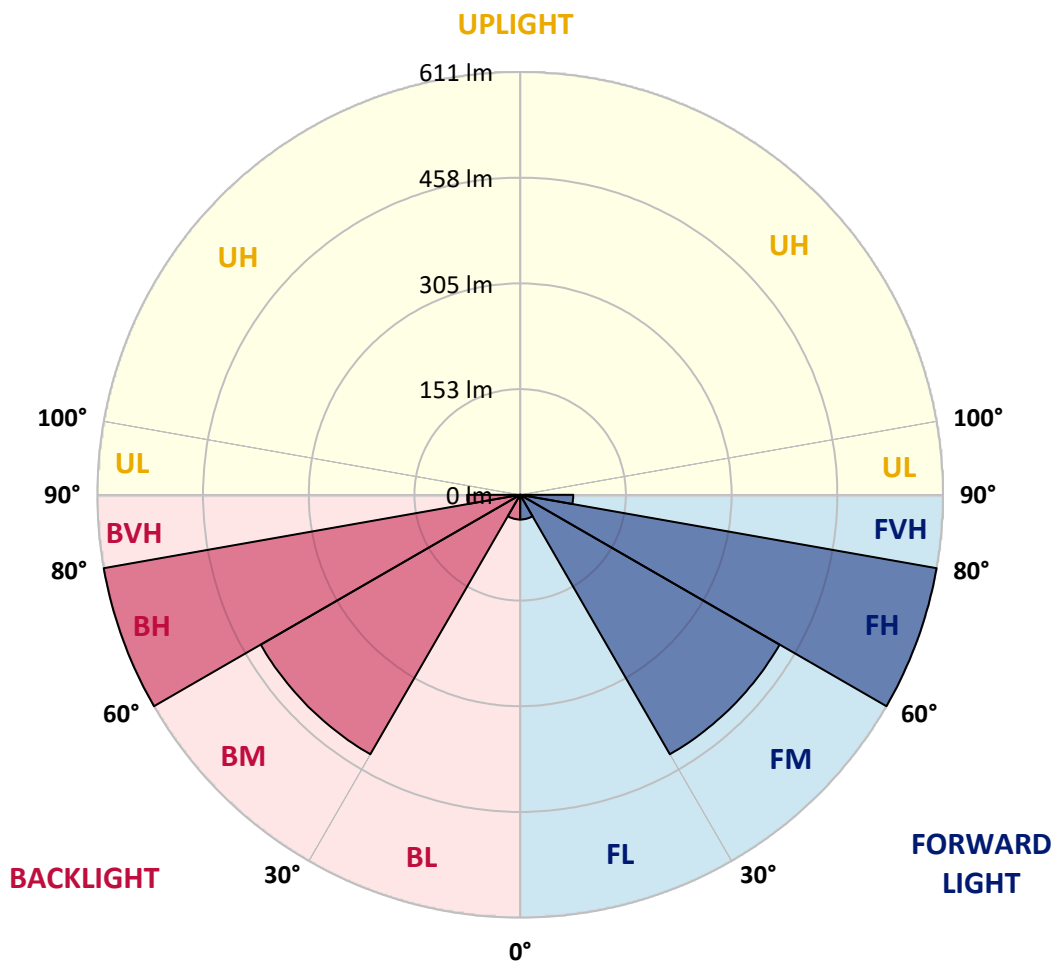
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	35.6	1.5			
FM	(30°-60°)	432.6	18.7			
FH	(60°-80°)	610.6	26.4			G0/660
FVH	(80°-90°)	76.6	3.3			G1/100
BL	(0°-30°)	35.6	1.5	B0/110		
BM	(30°-60°)	432.6	18.7	B1/1000		
BH	(60°-80°)	610.6	26.4	B2/1000		G0/660
BVH	(80°-90°)	76.6	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°	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3
2.5°	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8
5°	63.6	63.6	63.6	63.6	63.6	63.6	63.3	63.3	63.3	63.3	63.3
7.5°	65.8	65.8	65.8	65.8	65.8	65.5	65.5	65.5	65.5	65.5	65.5
10°	68.5	68.5	68.5	68.5	68.5	68.2	68.2	68.2	68.0	68.2	68.2
12.5°	71.7	71.4	71.4	71.4	71.2	71.2	70.9	70.7	70.7	70.7	70.9
15°	75.1	74.8	74.6	74.6	74.3	74.3	74.1	73.9	73.6	73.9	73.9
17.5°	78.8	78.8	78.3	77.8	78.3	78.3	78.0	77.3	76.8	76.8	76.8
20°	81.7	81.5	80.2	80.7	81.2	81.7	81.2	79.5	78.5	79.3	79.5
22.5°	87.4	87.4	85.9	85.9	87.1	87.8	86.4	84.9	83.7	84.4	84.7
25°	94.5	94.7	93.0	92.3	93.7	94.7	93.7	91.0	90.1	90.8	91.0
27.5°	103.1	102.8	101.1	100.1	101.6	103.1	102.1	99.4	97.7	98.2	98.2
30°	113.6	113.6	111.4	110.2	112.1	113.1	112.6	109.4	108.0	107.2	107.5
32.5°	126.6	126.4	124.7	124.4	125.6	126.4	125.1	122.2	121.0	121.2	121.7
35°	143.1	143.8	144.3	144.3	144.8	146.5	143.3	140.4	141.3	140.6	140.4
37.5°	169.1	169.1	171.3	172.7	173.7	172.3	168.3	168.1	168.3	169.8	168.8
40°	204.6	203.7	204.9	207.1	206.1	205.4	205.4	201.7	202.2	201.7	202.9
42.5°	249.3	250.0	248.3	250.3	247.6	247.3	249.8	248.6	244.2	245.4	243.2
45°	307.0	307.7	306.5	303.5	304.5	307.2	306.0	306.5	301.8	300.3	302.1
47.5°	373.0	372.7	373.0	368.6	370.3	371.5	372.7	369.0	365.1	366.6	366.8
50°	450.0	447.3	447.3	440.2	447.6	447.6	444.1	445.6	440.5	443.4	443.2
52.5°	534.2	534.2	537.1	524.4	533.2	529.8	526.3	527.3	523.4	527.1	530.0
55°	608.3	606.3	606.6	597.7	607.3	601.7	594.8	598.0	594.8	600.9	604.1
57.5°	656.6	655.2	650.5	649.3	650.0	647.6	638.0	639.2	642.2	650.7	649.3
60°	686.1	690.2	679.5	678.7	680.9	682.2	671.8	663.3	674.8	682.2	679.0
62.5°	714.5	715.3	702.5	703.3	707.7	695.6	699.3	687.3	697.6	699.6	705.2
65°	737.6	717.0	702.0	719.4	697.1	697.6	699.6	692.7	699.1	702.5	705.0
67.5°	719.4	704.0	682.4	694.9	682.9	695.2	694.4	668.7	688.5	692.7	679.2
70°	676.0	676.5	652.7	659.6	646.8	645.3	656.4	638.7	654.9	651.7	643.1
72.5°	619.1	614.7	591.4	604.9	579.1	592.6	597.7	585.0	594.8	588.4	592.3
75°	543.5	531.0	514.1	516.8	512.6	527.8	529.0	504.3	519.5	515.5	512.6
77.5°	451.7	441.4	431.4	424.5	424.3	424.0	432.6	418.4	428.7	430.6	418.4
80°	338.9	339.8	332.5	334.9	322.2	328.1	329.3	330.5	324.9	327.1	322.4
82.5°	236.3	235.3	231.4	227.2	230.9	238.0	233.6	229.2	226.0	230.2	233.6
85°	131.5	133.0	131.5	128.6	135.0	130.1	130.8	127.1	128.3	126.1	126.4
87.5°	37.1	39.0	38.0	37.3	36.6	35.3	41.2	37.1	33.9	35.1	35.3
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)