

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: P553649

Luminaire Tested: **ARB-B1-LED-D1-T5-7030**

Issue Date: 7/12/2021

Test Information

Test Method: LM-79-08
Report Number: P553649
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-T5-7030
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: 2139 lumens
Efficiency: N/A
Efficacy: 101.9 lumens/watt
Luminous Opening: Circular (Dia: 1.62' x H: 0')
IES Classification: Type V - Short
BUG Rating: B2 - U0 - G1

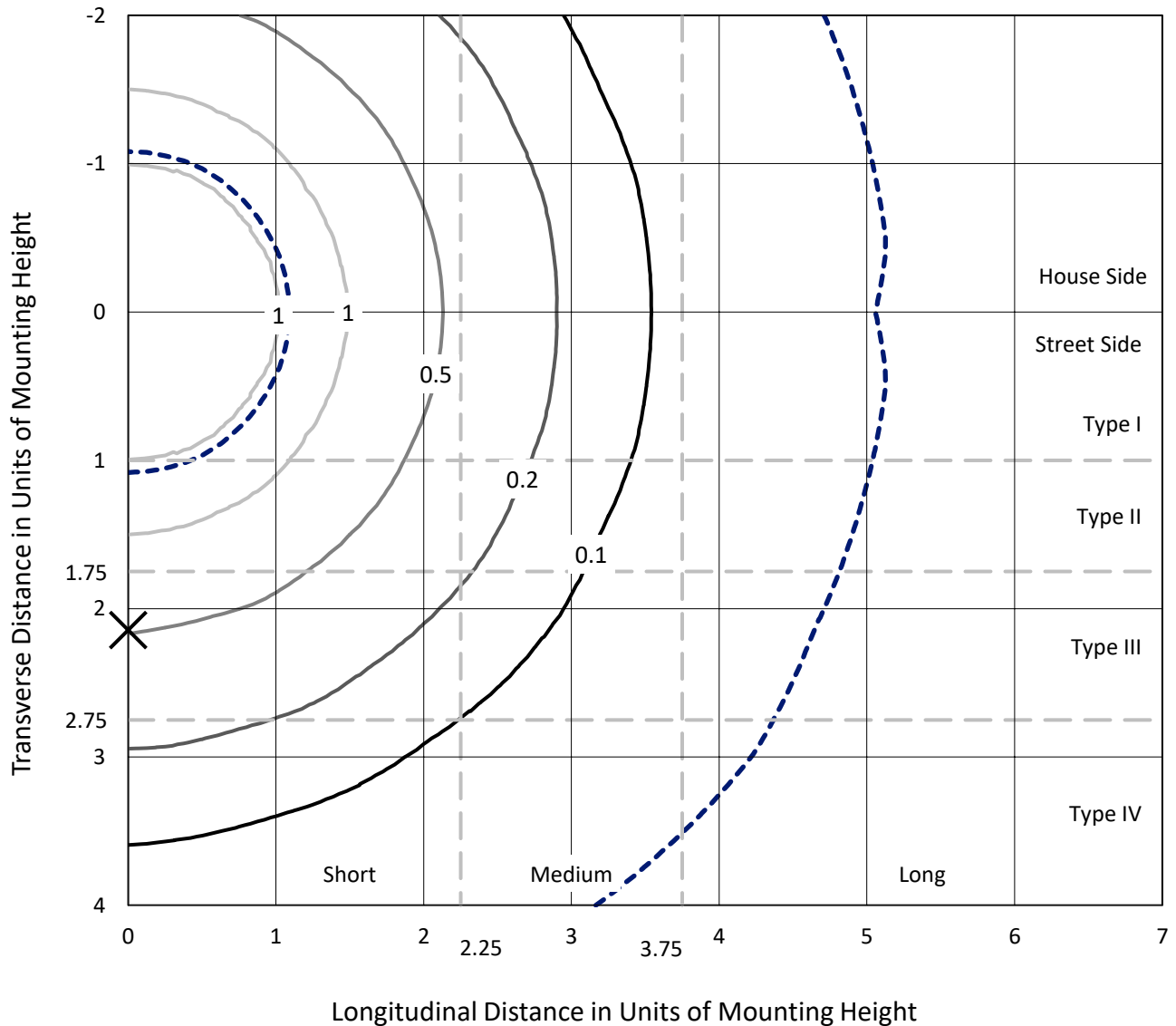
Input Watts (W): 21
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

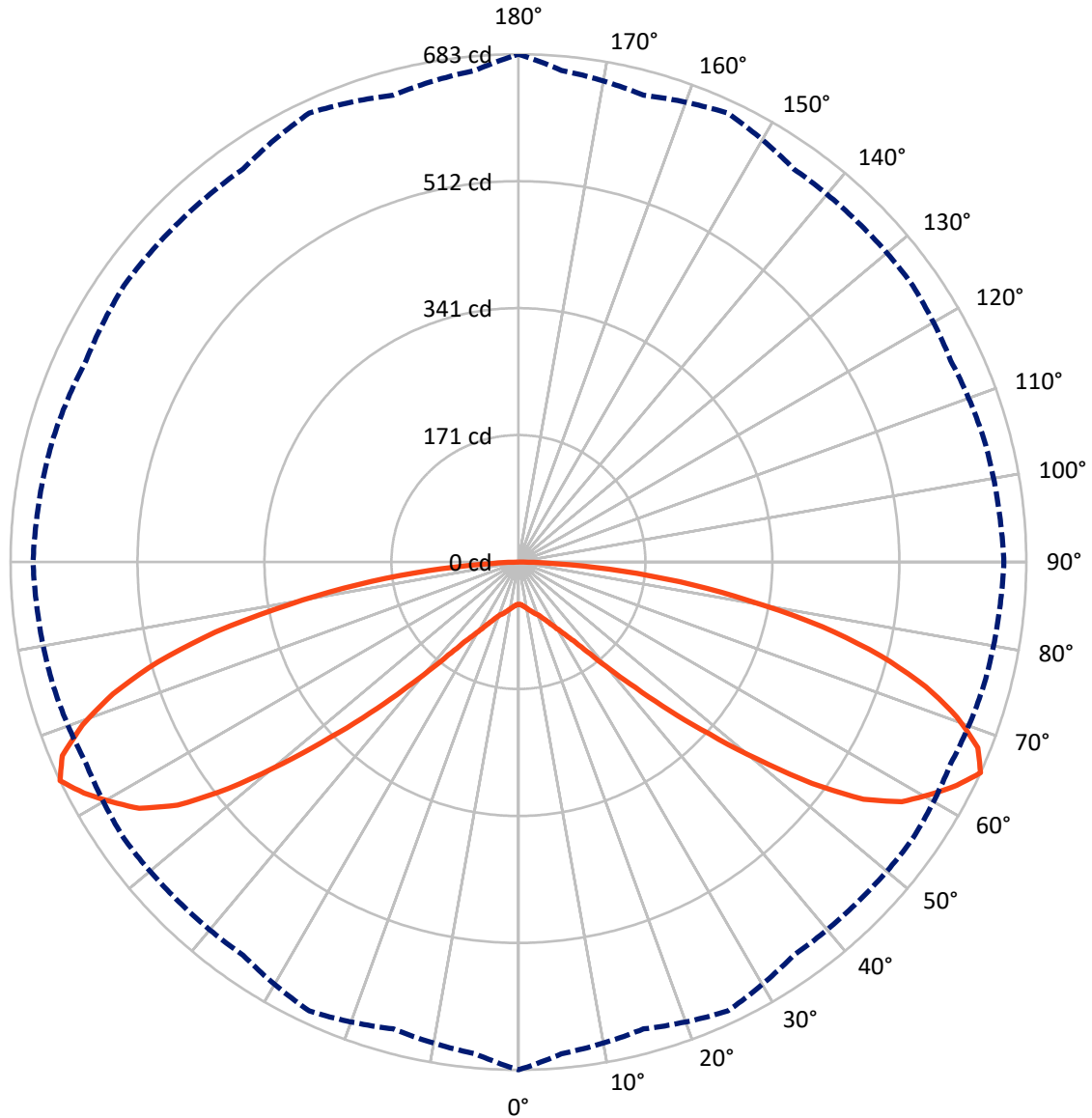
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 1.1 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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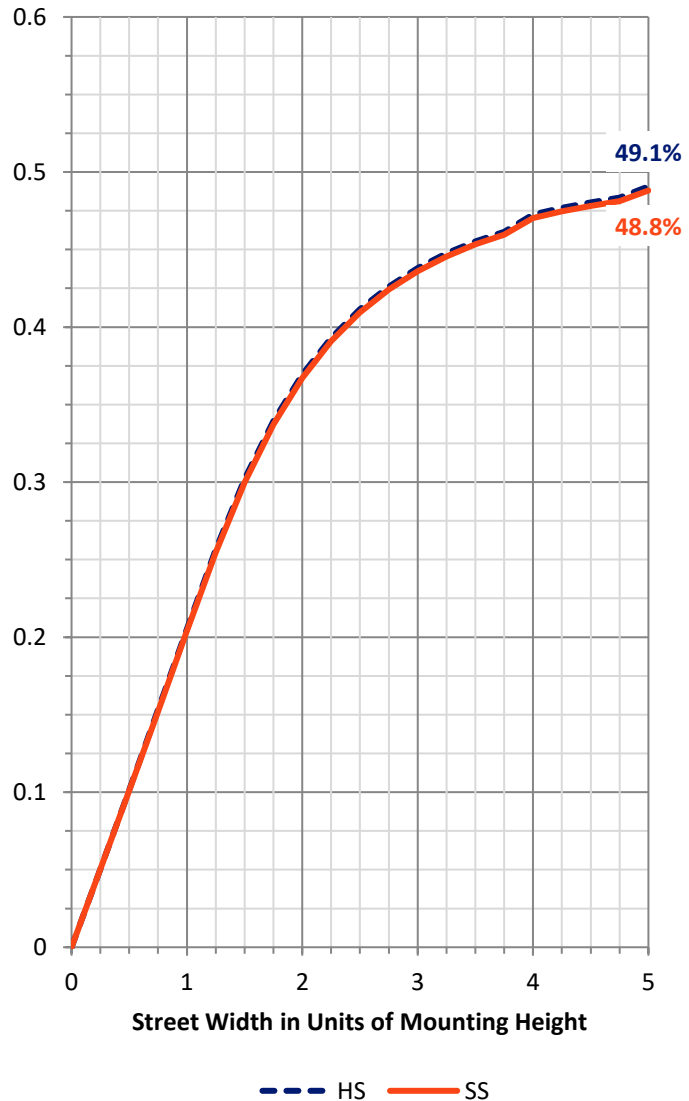
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1069.5	0.0	1069.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	1069.5	0.0	1069.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	2139.0	0.0	2139.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	5.7	0.3
10°-20°	19.7	0.9
20°-30°	40.5	1.9
30°-40°	87.6	4.1
40°-50°	225.9	10.6
50°-60°	487.4	22.8
60°-70°	633.7	29.6
70°-80°	496.7	23.2
80°-90°	141.8	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°	2139.0	100.0
0°-180°	2139.0	100.0



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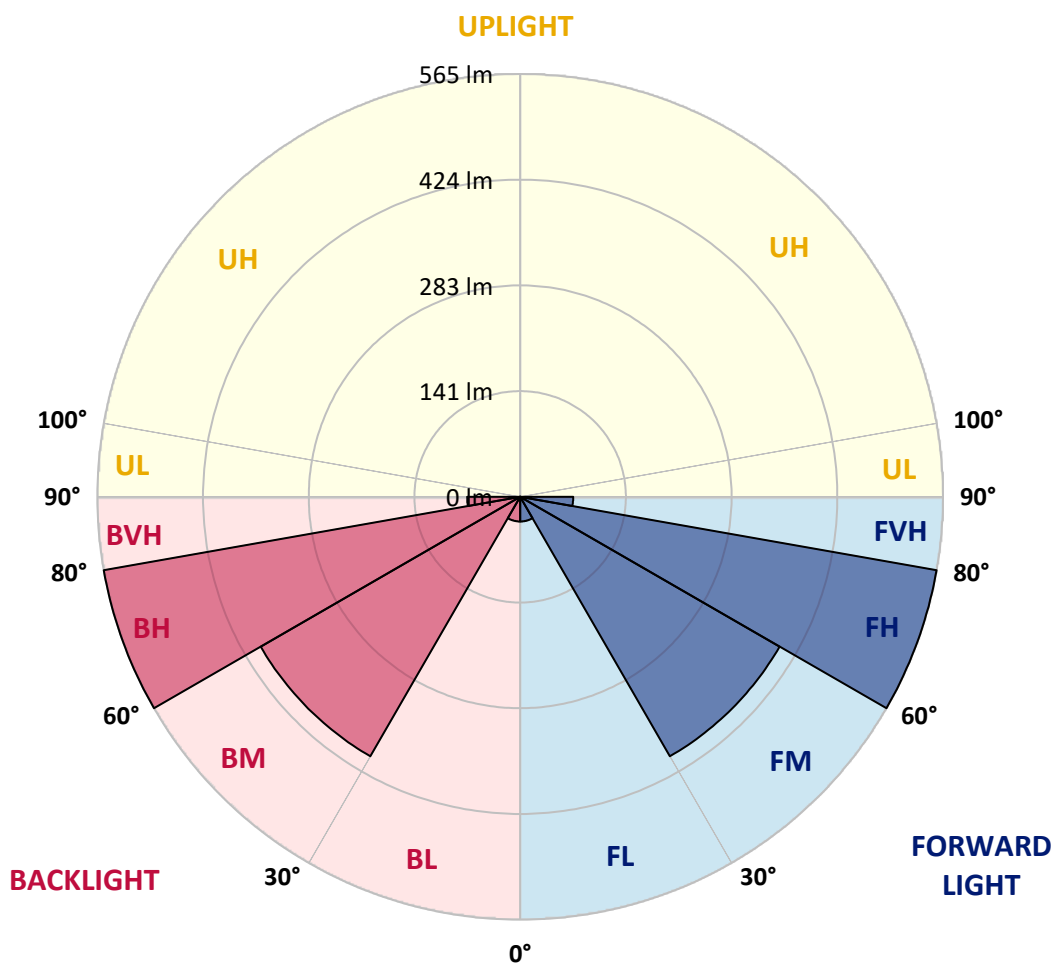
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	33.0	1.5			
FM (30°-60°)	400.4	18.7			
FH (60°-80°)	565.2	26.4			G0/660
FVH (80°-90°)	70.9	3.3			G1/100
BL (0°-30°)	33.0	1.5	B0/110		
BM (30°-60°)	400.4	18.7	B1/1000		
BH (60°-80°)	565.2	26.4	B2/1000		G0/660
BVH (80°-90°)	70.9	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°	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8
2.5°	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2
5°	58.8	58.8	58.8	58.8	58.8	58.8	58.6	58.6	58.6	58.6	58.6
7.5°	60.9	60.9	60.9	60.9	60.9	60.6	60.6	60.6	60.6	60.6	60.6
10°	63.4	63.4	63.4	63.4	63.4	63.1	63.1	63.1	62.9	63.1	63.1
12.5°	66.3	66.1	66.1	66.1	65.9	65.9	65.6	65.4	65.4	65.4	65.6
15°	69.5	69.3	69.0	69.0	68.8	68.8	68.6	68.4	68.1	68.4	68.4
17.5°	72.9	72.9	72.4	72.0	72.4	72.4	72.2	71.5	71.1	71.1	71.1
20°	75.6	75.4	74.3	74.7	75.2	75.6	75.2	73.6	72.7	73.4	73.6
22.5°	80.9	80.9	79.5	79.5	80.6	81.3	79.9	78.6	77.4	78.1	78.4
25°	87.4	87.7	86.1	85.4	86.8	87.7	86.8	84.3	83.4	84.0	84.3
27.5°	95.4	95.2	93.6	92.7	94.0	95.4	94.5	92.0	90.4	90.8	90.8
30°	105.2	105.2	103.1	102.0	103.8	104.7	104.2	101.3	99.9	99.2	99.5
32.5°	117.2	117.0	115.4	115.1	116.3	117.0	115.8	113.1	112.0	112.2	112.6
35°	132.4	133.1	133.5	133.5	134.0	135.6	132.6	129.9	130.8	130.1	129.9
37.5°	156.5	156.5	158.5	159.9	160.8	159.4	155.8	155.6	155.8	157.2	156.3
40°	189.4	188.5	189.6	191.7	190.8	190.1	190.1	186.7	187.1	186.7	187.8
42.5°	230.7	231.4	229.8	231.7	229.2	228.9	231.2	230.1	226.0	227.1	225.1
45°	284.1	284.8	283.7	280.9	281.8	284.3	283.2	283.7	279.4	278.0	279.6
47.5°	345.2	345.0	345.2	341.1	342.7	343.9	345.0	341.6	337.9	339.3	339.5
50°	416.5	414.0	414.0	407.4	414.3	414.3	411.1	412.4	407.7	410.4	410.2
52.5°	494.4	494.4	497.2	485.3	493.5	490.3	487.2	488.1	484.4	487.8	490.6
55°	563.0	561.2	561.4	553.3	562.1	556.9	550.5	553.5	550.5	556.2	559.2
57.5°	607.8	606.4	602.1	600.9	601.6	599.4	590.5	591.6	594.4	602.3	600.9
60°	635.0	638.9	628.9	628.2	630.2	631.4	621.8	613.9	624.6	631.4	628.4
62.5°	661.4	662.0	650.2	650.9	655.0	643.9	647.3	636.1	645.7	647.5	652.7
65°	682.7	663.6	649.8	665.9	645.2	645.7	647.5	641.1	647.1	650.2	652.5
67.5°	665.9	651.6	631.6	643.2	632.1	643.4	642.7	618.9	637.3	641.1	628.7
70°	625.7	626.2	604.1	610.5	598.7	597.3	607.5	591.2	606.2	603.2	595.3
72.5°	573.0	568.9	547.3	559.8	536.0	548.5	553.3	541.4	550.5	544.6	548.3
75°	503.1	491.5	475.8	478.3	474.4	488.5	489.7	466.7	480.8	477.2	474.4
77.5°	418.1	408.6	399.3	392.9	392.7	392.5	400.4	387.2	396.8	398.6	387.2
80°	313.6	314.6	307.7	310.0	298.2	303.7	304.8	305.9	300.7	302.7	298.4
82.5°	218.7	217.8	214.2	210.3	213.7	220.3	216.2	212.1	209.2	213.0	216.2
85°	121.7	123.1	121.7	119.0	124.9	120.4	121.1	117.6	118.8	116.7	117.0
87.5°	34.3	36.1	35.2	34.5	33.8	32.7	38.2	34.3	31.3	32.5	32.7
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)