

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: G2-2106-292-5

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

Test Date: 7/27/2021

Test Information

Test Method: LM-79-08
Report Number: G2-2106-292-5
Test Lab: COOPER LIGHTING SOLUTIONS
Test Date: 7/27/2021
Issue Date: 7/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: ARB-B1-LED-D1-T5-AMB
Description: ARBOR OUTDOOR ARCHITECTURAL POST TOP. NARROW BAND AMBER LEDS AND TYPE V OPTIC
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1803.2 lumens
Efficiency: N/A
Efficacy: 27.4 lumens/watt
Luminous Opening: Circular (Dia: 1.58' x H: 0')
IES Classification: Type V - Short
BUG Rating: B1 - U0 - G1

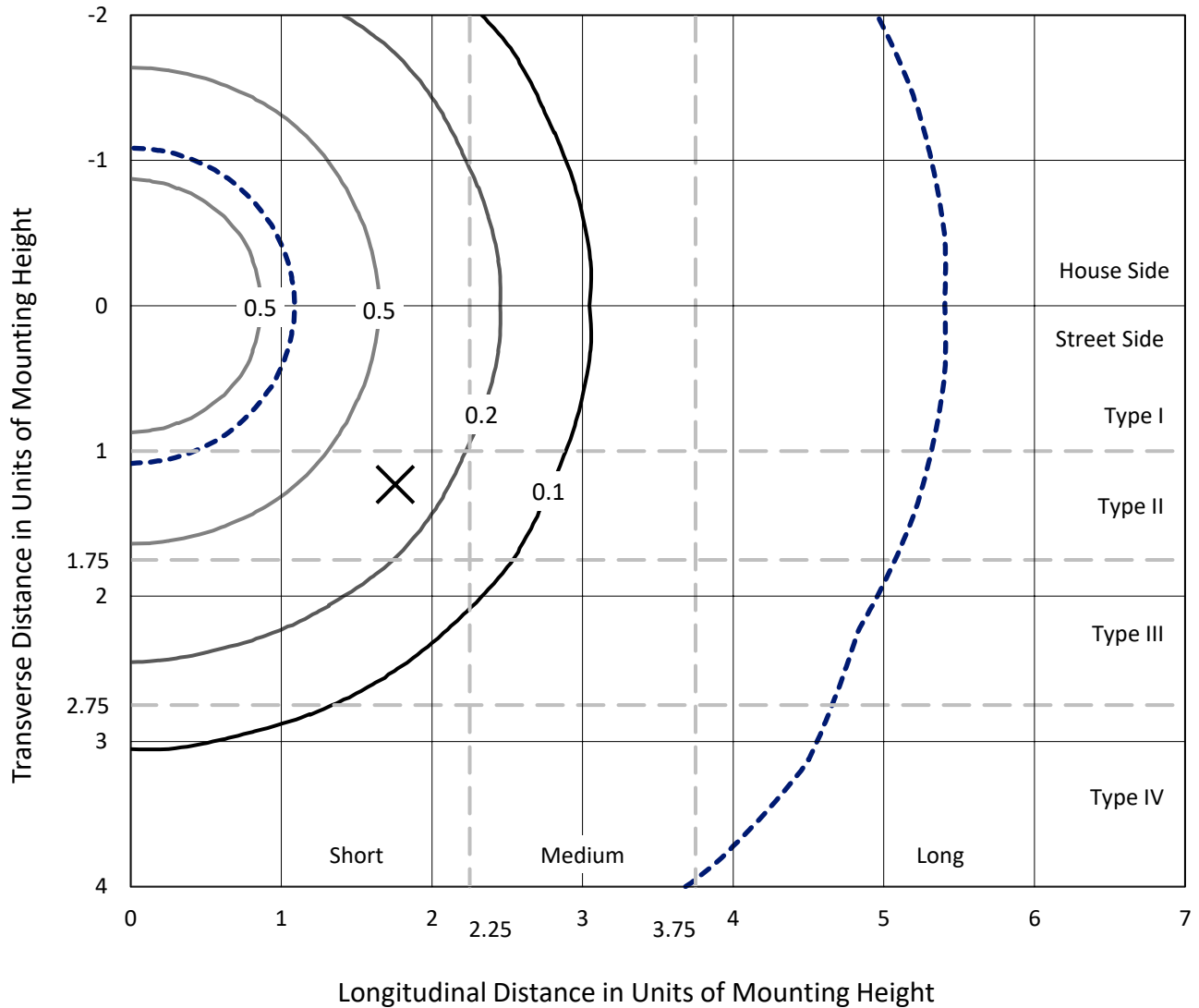
Input Watts (W): 65.7
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

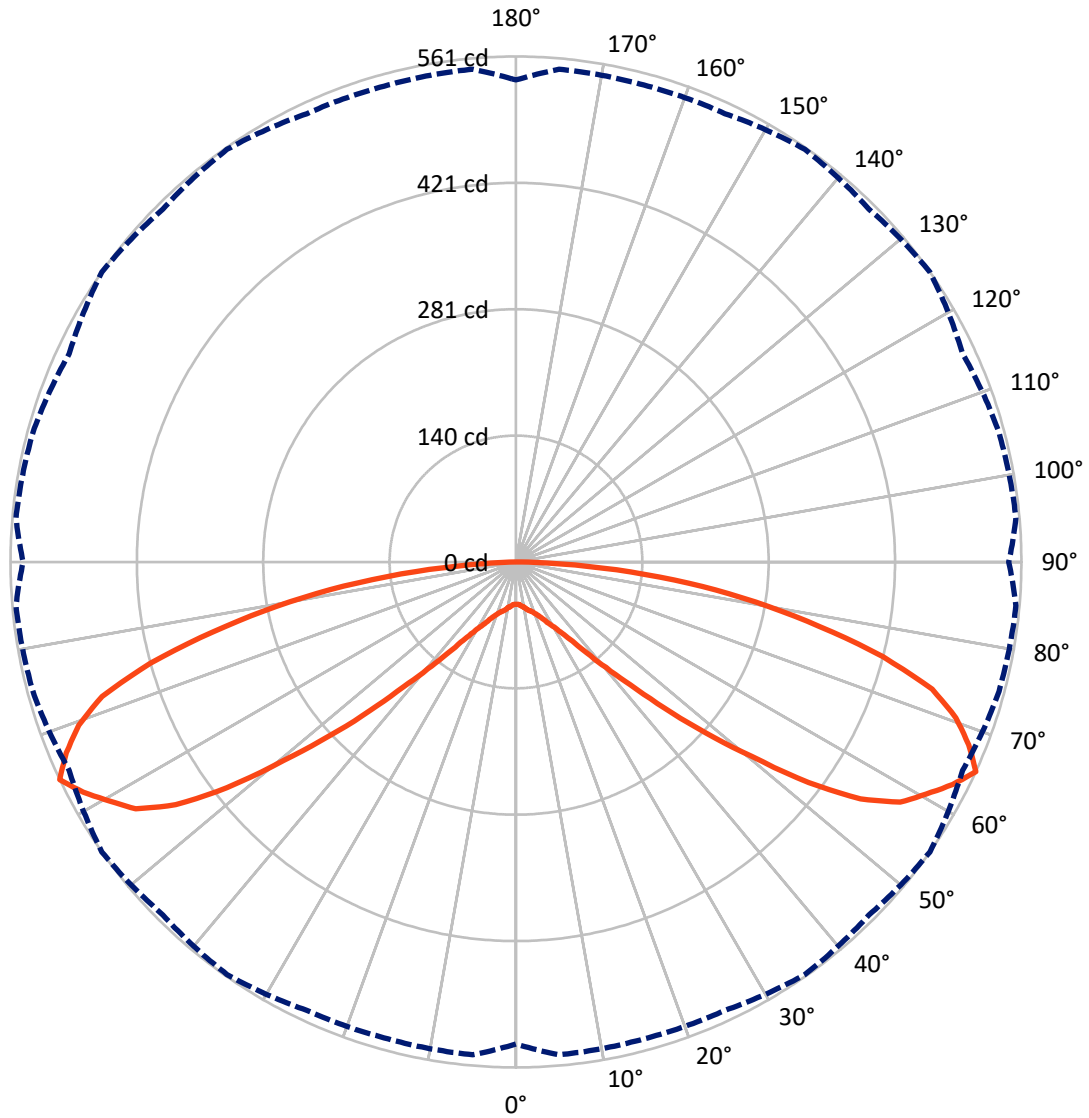
× Max cd
 - - - 1/2 Max cd



Based on 12 foot mounting height. Maximum calculated value = 0.6 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 55-Deg Lateral - - - Horizontal Cone Through 65-Deg Vertical

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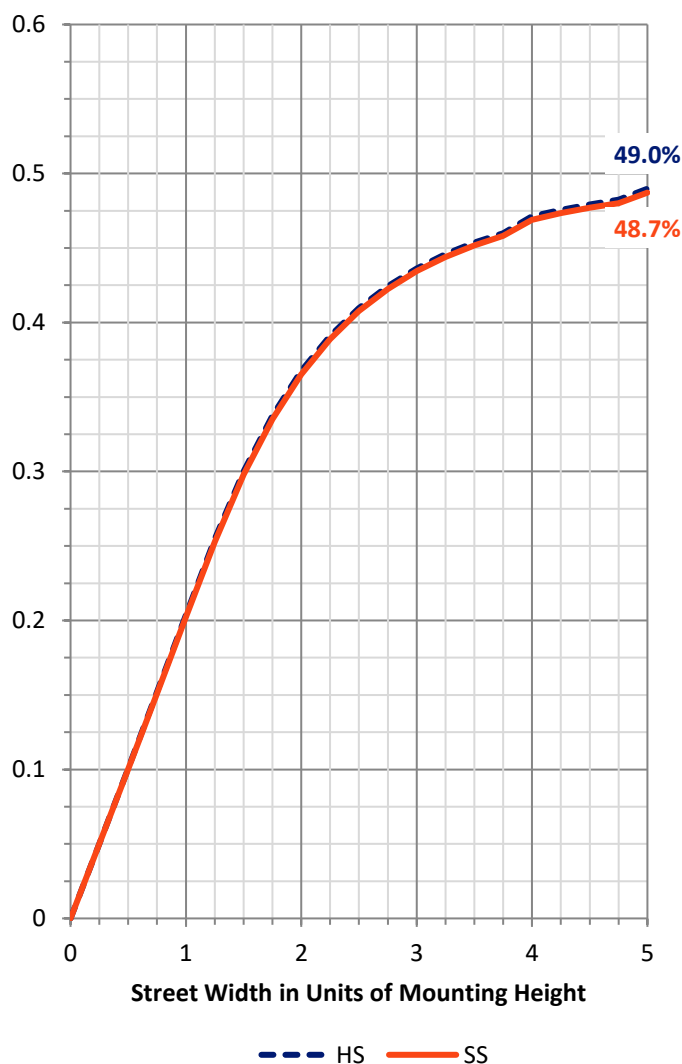
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	901.6	0.0	901.6
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	901.6	0.0	901.6
	% Fixture	50.0	0.0	50.0
Total	Lumens	1803.2	0.0	1803.2
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	4.7	0.3
10°-20°	16.0	0.9
20°-30°	33.2	1.8
30°-40°	72.0	4.0
40°-50°	185.0	10.3
50°-60°	406.3	22.5
60°-70°	534.3	29.6
70°-80°	424.8	23.6
80°-90°	126.9	7.0
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°	1803.2	100.0
0°-180°	1803.2	100.0

Coefficient of Utilization

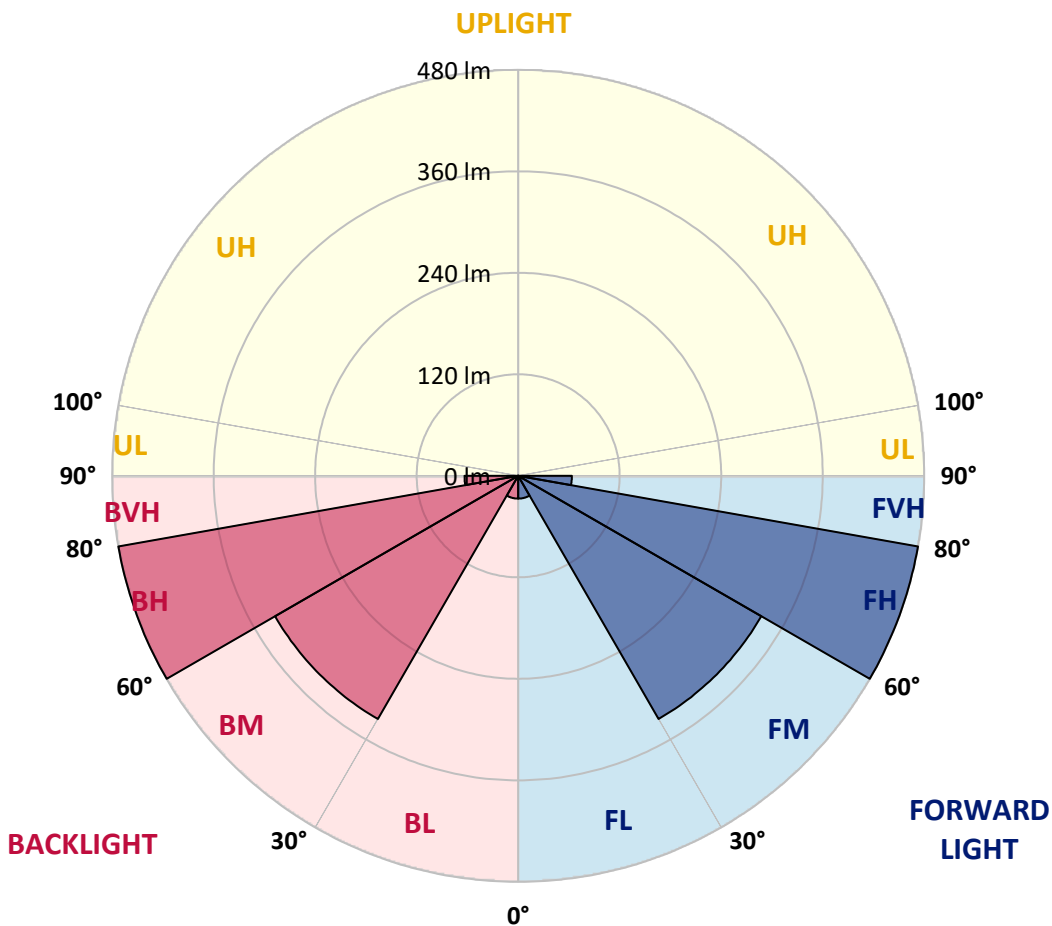


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	26.9	1.5			
FM (30°-60°)	331.7	18.4			
FH (60°-80°)	479.6	26.6			G0/660
FVH (80°-90°)	63.4	3.5			G1/100
BL (0°-30°)	26.9	1.5	B0/110		
BM (30°-60°)	331.7	18.4	B1/1000		
BH (60°-80°)	479.6	26.6	B1/500		G0/660
BVH (80°-90°)	63.4	3.5			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G1
 Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	47	47	47	47	47	47	47	47	47	47	47
2.5°	47	47	47	47	47	47	47	47	47	47	47
5°	48	48	48	48	48	48	48	48	48	48	48
7.5°	50	50	50	50	50	50	50	50	50	50	50
10°	52	52	52	51	51	51	51	51	52	52	51
12.5°	54	54	54	54	54	53	54	53	54	54	54
15°	56	56	56	56	56	56	56	56	56	56	56
17.5°	59	59	59	58	58	58	58	58	58	59	59
20°	62	62	61	60	60	61	61	60	61	61	61
22.5°	67	66	65	64	64	65	65	65	65	66	66
25°	72	72	70	68	69	70	70	70	70	71	71
27.5°	78	78	76	74	75	77	77	76	77	78	78
30°	85	85	83	82	83	84	84	83	85	86	86
32.5°	95	95	94	93	94	95	94	93	95	97	97
35°	109	109	109	109	109	109	108	108	110	112	113
37.5°	129	129	130	131	130	129	128	129	130	132	132
40°	154	154	155	155	155	154	154	154	156	156	156
42.5°	186	187	187	187	187	186	186	186	188	186	187
45°	231	231	230	229	229	231	231	229	231	228	230
47.5°	283	283	280	283	281	283	283	283	283	281	281
50°	339	340	339	339	338	339	339	338	338	337	337
52.5°	409	408	403	406	408	409	407	406	406	405	408
55°	462	464	462	463	466	466	464	465	466	465	467
57.5°	498	501	498	500	506	502	503	500	502	503	506
60°	524	521	524	523	527	531	523	520	525	527	529
62.5°	540	540	544	549	547	546	544	547	547	548	549
65°	535	549	548	549	559	554	561	547	555	557	547
67.5°	541	535	526	531	534	551	542	527	537	544	539
70°	509	511	509	516	511	516	518	509	514	517	506
72.5°	465	472	457	467	473	471	483	465	470	474	461
75°	418	409	395	406	410	420	421	407	412	411	408
77.5°	346	338	336	339	337	347	345	338	345	341	347
80°	262	265	261	263	264	268	270	260	264	267	264
82.5°	183	188	182	186	187	192	193	186	187	191	188
85°	108	107	108	110	109	114	112	111	110	113	112
87.5°	32	34	36	34	37	37	35	38	35	38	38
90°	0	0	0	0	0	0	0	0	0	0	0

(END OF REPORT)