

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: G2-2106-292-6

Luminaire Tested: **ARB-B1-LED-D1-T2-AMB**

Test Date: 8/6/2021

Test Information

Test Method: LM-79-08
Report Number: G2-2106-292-6
Test Lab: COOPER LIGHTING SOLUTIONS
Test Date: 8/6/2021
Issue Date: 8/6/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: ARB-B1-LED-D1-T2-AMB
Description: ARBOR OUTDOOR ARCHITECTURAL POST TOP. NARROW BAND AMBER LEDS AND TYPE II OPTIC
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 788.7 lumens
Efficiency: N/A
Efficacy: 22.7 lumens/watt
Luminous Opening: Circular (Dia: 1.58' x H: 0')
IES Classification: Type II - Short
BUG Rating: B1 - U0 - G1

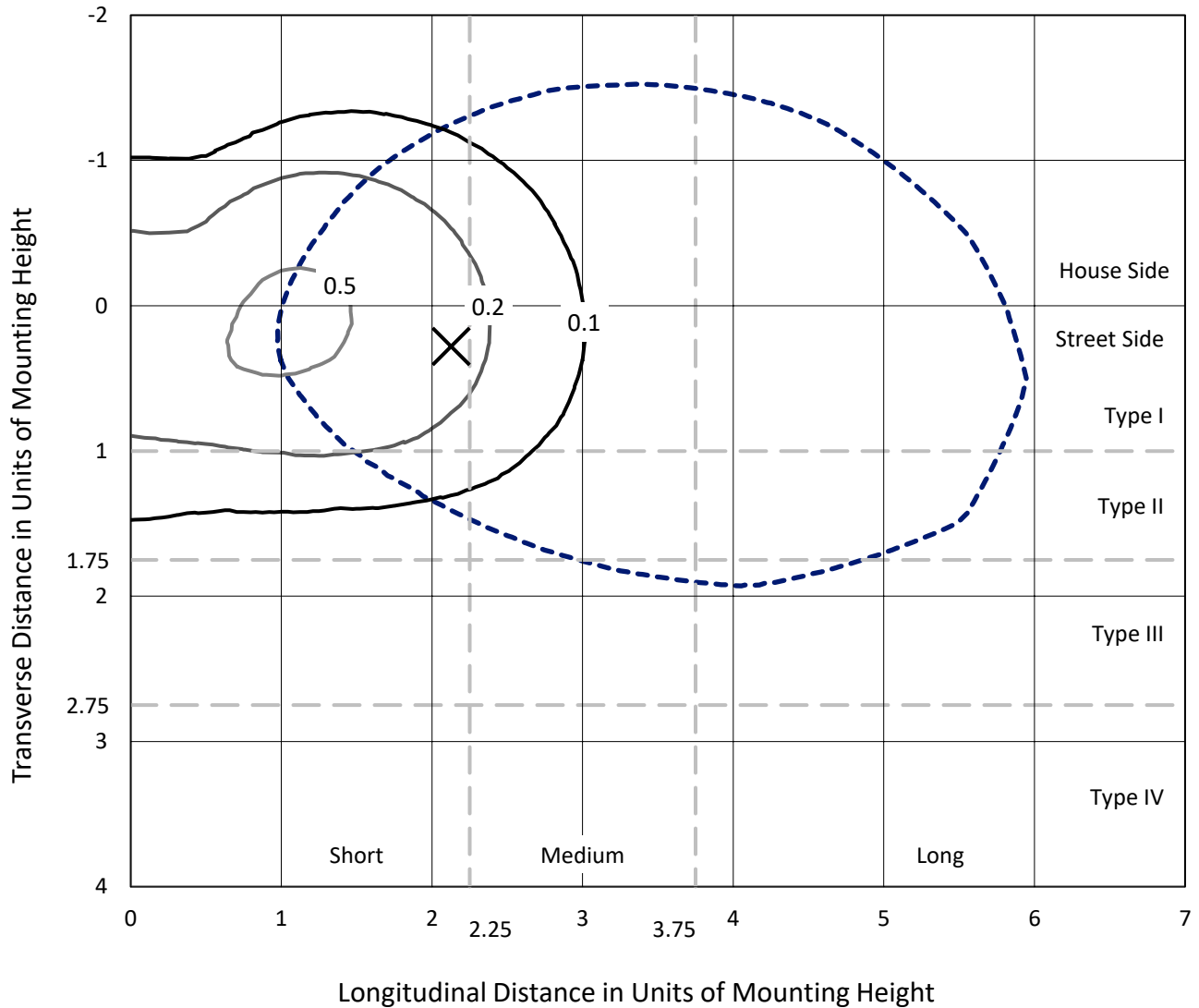
Input Watts (W): 34.7
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

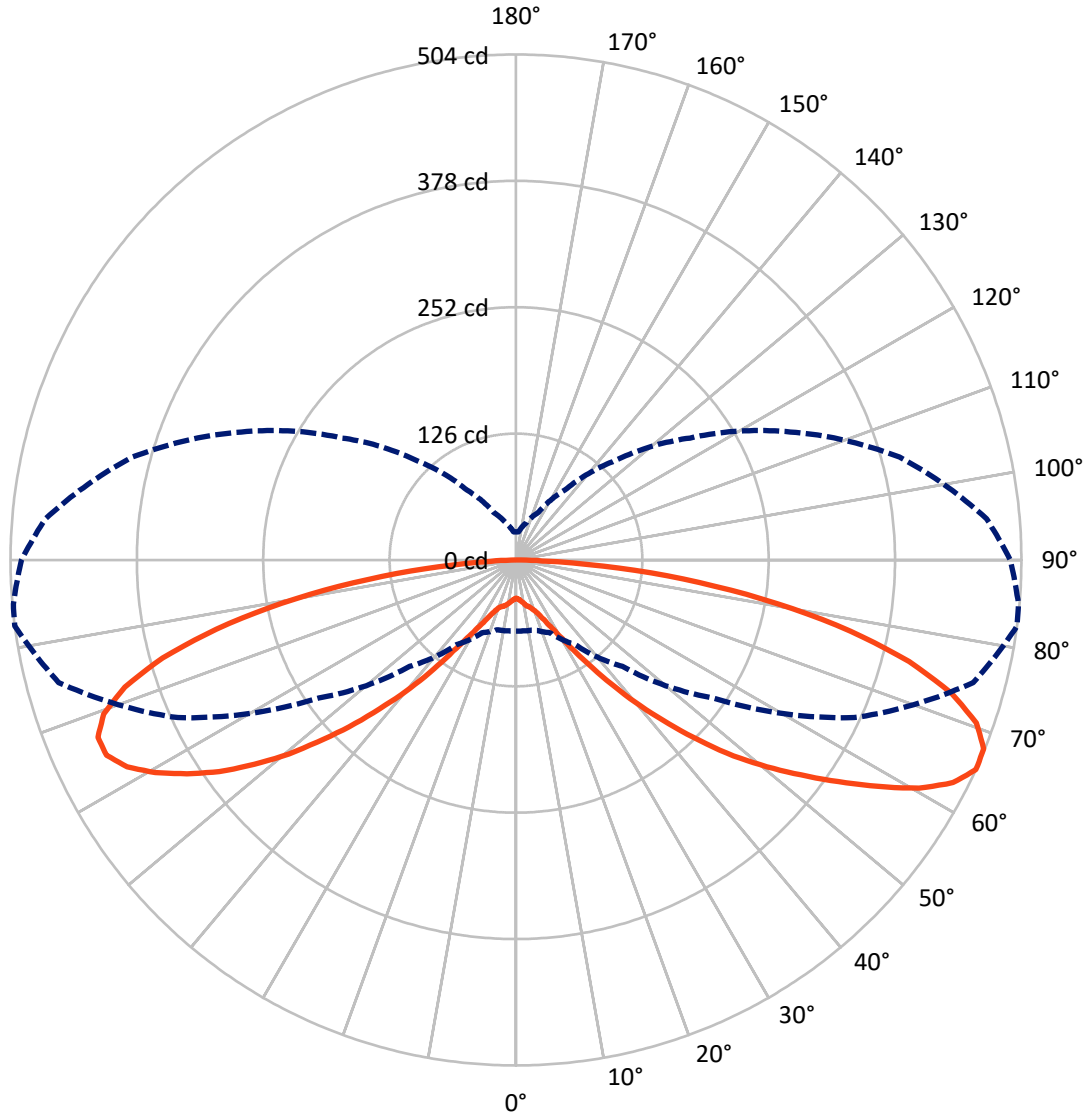
✕ Max cd
 - - - 1/2 Max cd



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

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Luminous Intensity Polar Plot



— Vertical Plane Through 82.5-Deg Lateral - - - Horizontal Cone Through 65-Deg Vertical

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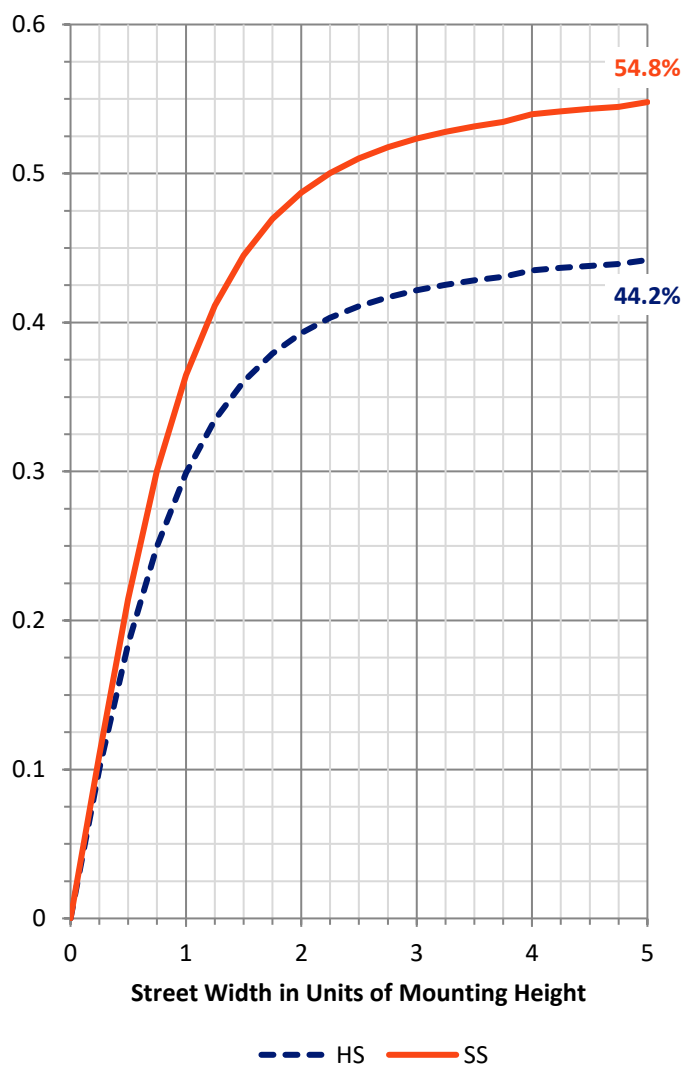
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	352.8	0.0	352.8
	% Fixture	44.7	0.0	44.7
Street Side	Lumens	435.9	0.0	435.9
	% Fixture	55.3	0.0	55.3
Total	Lumens	788.7	0.0	788.7
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	3.9	0.5
10°-20°	13.0	1.6
20°-30°	26.6	3.4
30°-40°	53.6	6.8
40°-50°	101.8	12.9
50°-60°	162.0	20.5
60°-70°	205.6	26.1
70°-80°	170.4	21.6
80°-90°	51.7	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°	788.7	100.0
0°-180°	788.7	100.0

Coefficient of Utilization

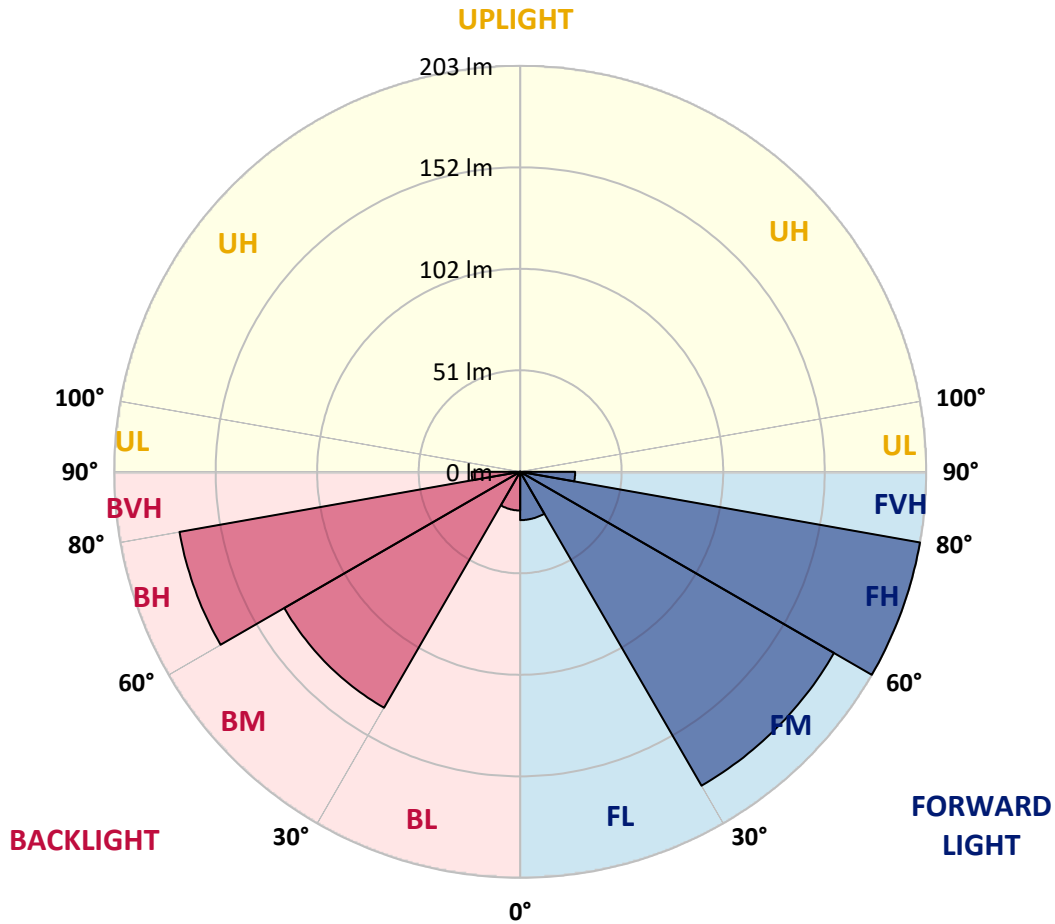


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	24.2	3.1			
FM (30°-60°)	181.2	23.0			
FH (60°-80°)	203.0	25.7			G0/660
FVH (80°-90°)	27.5	3.5			G1/100
BL (0°-30°)	19.3	2.5	B0/110		
BM (30°-60°)	136.2	17.3	B0/220		
BH (60°-80°)	173.0	21.9	B1/500		G1/500
BVH (80°-90°)	24.2	3.1			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 II Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	82.5°	85°
0°	38	38	38	38	38	38	38	38	38	38	38
2.5°	40	39	39	39	39	39	39	39	39	39	39
5°	41	41	41	41	41	41	41	41	41	40	41
7.5°	41	41	41	42	42	42	42	42	42	42	42
10°	42	42	42	43	43	44	44	44	44	44	44
12.5°	43	43	43	44	45	46	46	47	47	47	47
15°	45	45	45	46	47	48	49	49	49	48	48
17.5°	50	49	49	49	50	52	53	53	52	51	51
20°	52	52	53	53	54	56	58	57	56	54	54
22.5°	54	54	54	56	59	62	65	65	62	59	59
25°	55	55	56	58	63	68	72	74	70	67	66
27.5°	56	56	58	61	66	74	82	85	80	77	76
30°	57	57	59	65	72	81	93	98	94	91	89
32.5°	61	61	63	68	79	90	105	113	113	110	108
35°	65	65	68	74	85	99	118	131	135	133	131
37.5°	67	67	71	80	92	109	133	154	162	161	160
40°	69	70	74	83	97	116	147	177	191	191	189
42.5°	70	71	76	85	100	123	159	200	220	223	221
45°	70	71	76	86	101	129	172	222	249	257	258
47.5°	73	74	76	86	104	135	183	242	281	292	293
50°	76	76	78	87	108	141	194	261	309	324	326
52.5°	79	77	78	89	111	147	206	284	339	356	359
55°	82	82	81	90	113	153	219	307	373	390	394
57.5°	81	81	82	90	115	157	231	331	405	426	431
60°	79	79	80	89	114	158	239	351	434	462	463
62.5°	76	76	76	85	109	156	242	366	458	489	489
65°	71	71	72	80	103	150	240	372	472	504	503
67.5°	65	65	67	74	96	142	236	369	472	503	503
70°	59	59	60	67	87	131	226	357	457	487	487
72.5°	53	53	53	59	77	119	210	335	427	454	455
75°	45	45	46	50	66	105	190	298	384	405	407
77.5°	37	37	38	42	53	90	163	255	323	341	344
80°	29	29	29	32	41	71	130	199	254	265	268
82.5°	21	21	21	23	29	51	92	140	180	184	186
85°	13	13	13	13	18	29	52	83	101	103	105
87.5°	5	5	5	6	7	9	15	25	29	26	28
90°	0	0	0	0	0	0	0	0	0	0	0



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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	38	38	38	38	38	38	38	38	38	38	38
2.5°	39	39	39	39	39	39	39	39	39	39	39
5°	40	40	40	40	40	40	39	39	39	39	39
7.5°	42	42	42	41	41	40	40	39	39	39	39
10°	44	44	43	43	42	41	41	40	40	39	39
12.5°	46	46	45	44	43	42	41	41	40	39	39
15°	48	48	46	45	44	43	42	41	40	40	40
17.5°	50	49	47	46	44	43	42	41	41	40	40
20°	52	51	48	45	43	43	42	41	40	40	40
22.5°	57	55	52	49	46	44	43	41	41	40	40
25°	63	61	56	52	49	47	44	42	41	41	41
27.5°	72	70	63	57	53	49	45	43	41	41	41
30°	84	80	71	62	56	51	46	43	41	41	41
32.5°	101	95	81	69	61	53	47	44	42	41	40
35°	123	115	96	79	67	57	49	44	42	40	40
37.5°	152	142	118	95	77	62	51	45	42	41	41
40°	182	173	143	113	88	69	55	47	43	42	41
42.5°	214	203	170	131	102	78	58	48	44	42	42
45°	250	239	197	152	118	85	61	48	44	42	42
47.5°	285	273	227	174	132	94	65	48	43	42	42
50°	321	311	258	197	146	103	69	49	43	41	41
52.5°	357	345	289	217	161	112	73	50	41	40	40
55°	392	378	319	241	176	121	77	51	40	39	39
57.5°	423	406	347	262	190	129	81	53	39	37	37
60°	454	434	368	280	201	135	84	54	38	35	35
62.5°	478	457	385	295	209	139	85	54	38	32	32
65°	493	471	396	302	212	140	85	52	38	28	28
67.5°	493	471	398	302	212	138	83	50	35	26	24
70°	478	456	387	294	206	132	79	48	32	24	23
72.5°	446	426	362	276	195	123	73	44	28	22	22
75°	397	380	322	245	175	111	65	39	24	20	21
77.5°	335	319	269	208	150	95	55	33	21	18	19
80°	259	247	210	164	119	76	44	27	17	15	15
82.5°	179	170	145	116	84	54	32	20	13	12	12
85°	100	94	81	67	49	32	20	13	9	8	8
87.5°	26	25	25	20	15	11	8	7	5	4	4
90°	0	0	0	0	0	0	0	0	0	0	0

(END OF REPORT)