

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: G2-2106-292-7

Luminaire Tested: **ARB-B1-LED-D1-T3-AMB**

Test Date: 8/9/2021

Test Information

Test Method: LM-79-08
Report Number: G2-2106-292-7
Test Lab: COOPER LIGHTING SOLUTIONS
Test Date: 8/9/2021
Issue Date: 8/9/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: ARB-B1-LED-D1-T3-AMB
Description: ARBOR OUTDOOR ARCHITECTURAL POST TOP. NARROW BAND AMBER LEDS AND TYPE III OPTIC
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 863.4 lumens
Efficiency: N/A
Efficacy: 24.9 lumens/watt
Luminous Opening: Circular (Dia: 1.58' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B0 - U0 - G1

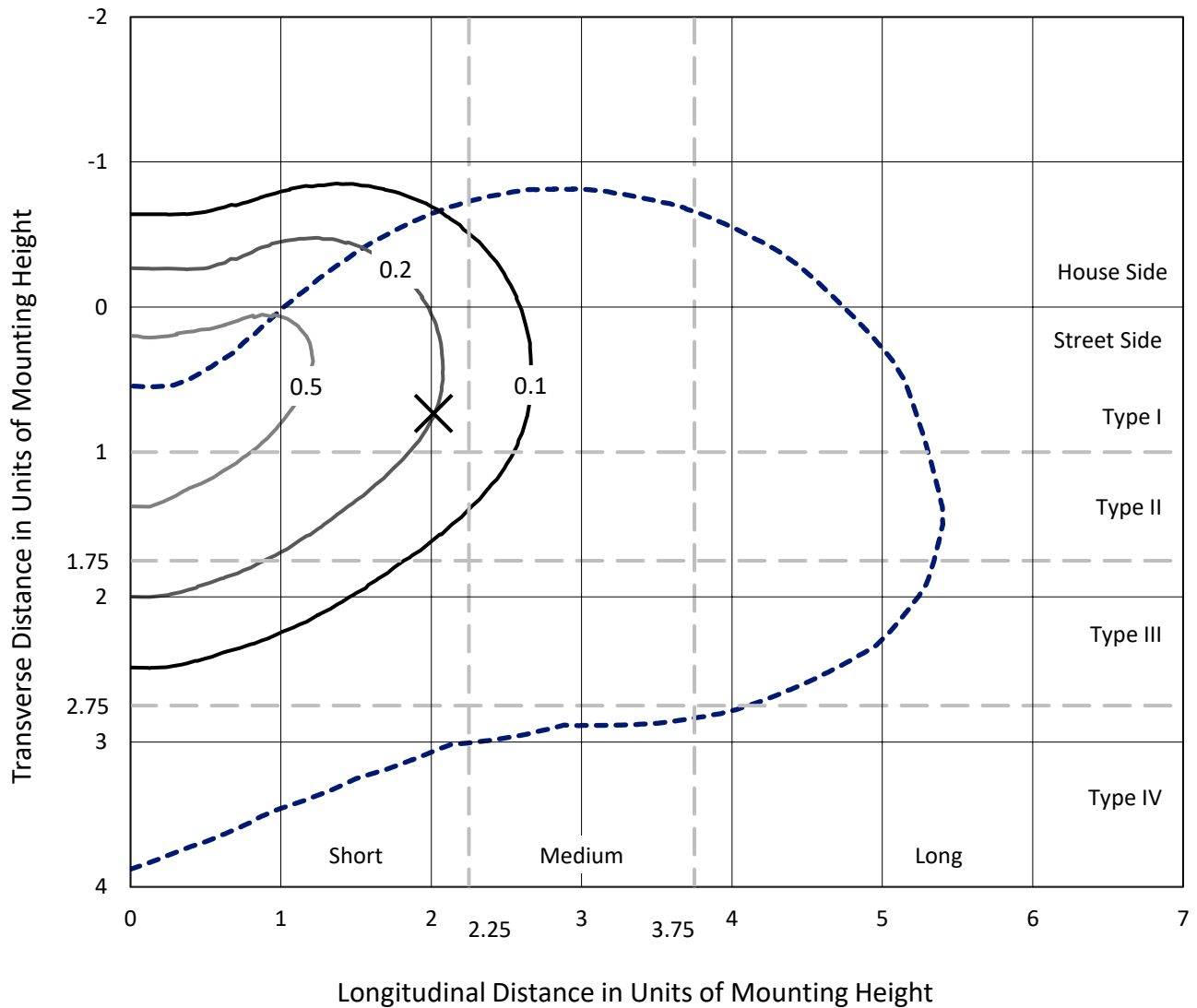
Input Watts (W): 34.7
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

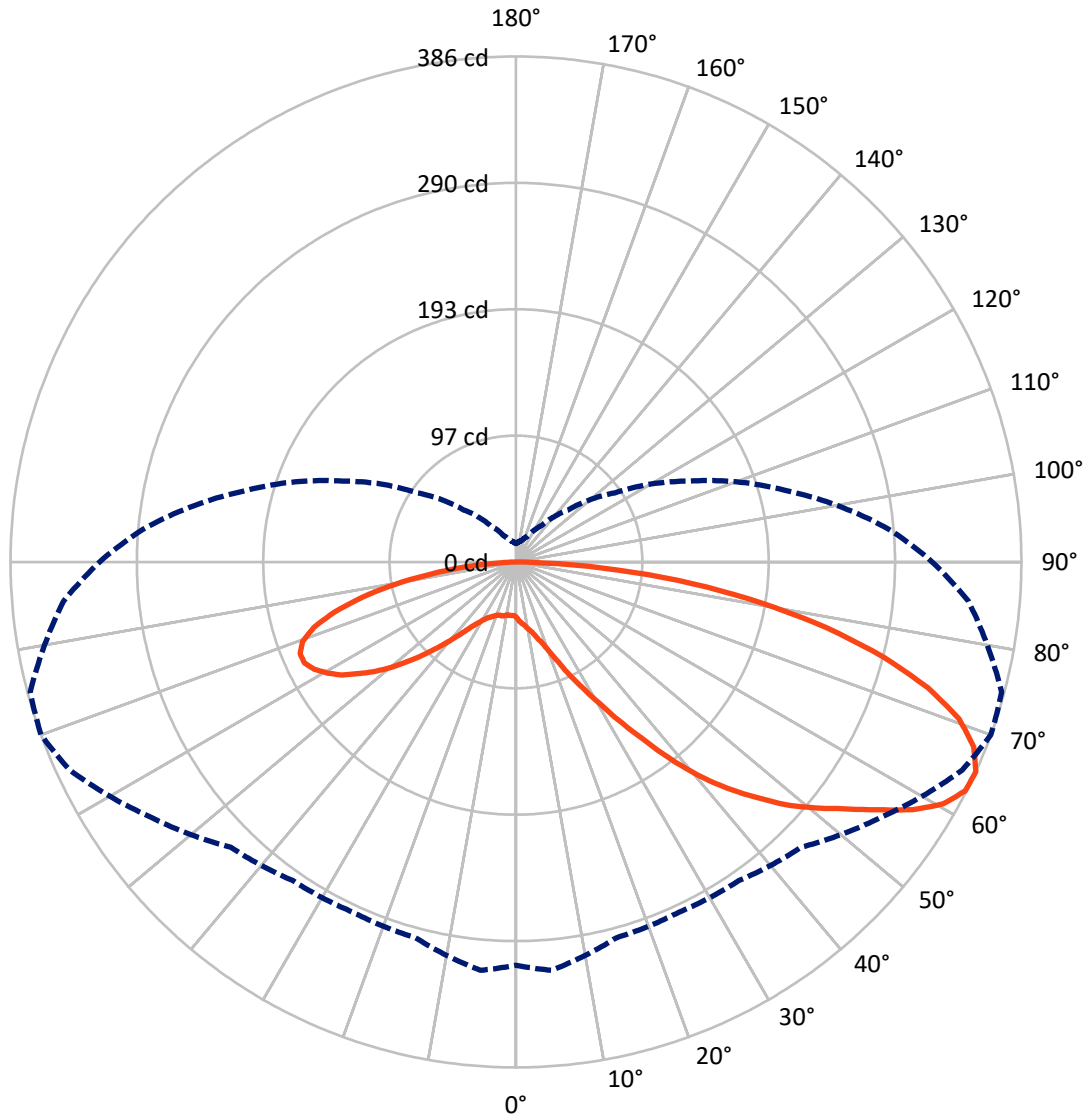
✕ Max cd
 - - - 1/2 Max cd



Based on 12 foot mounting height. Maximum calculated value = 1 fc
 Type IV - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 70-Deg Lateral - - - Horizontal Cone Through 65-Deg Vertical

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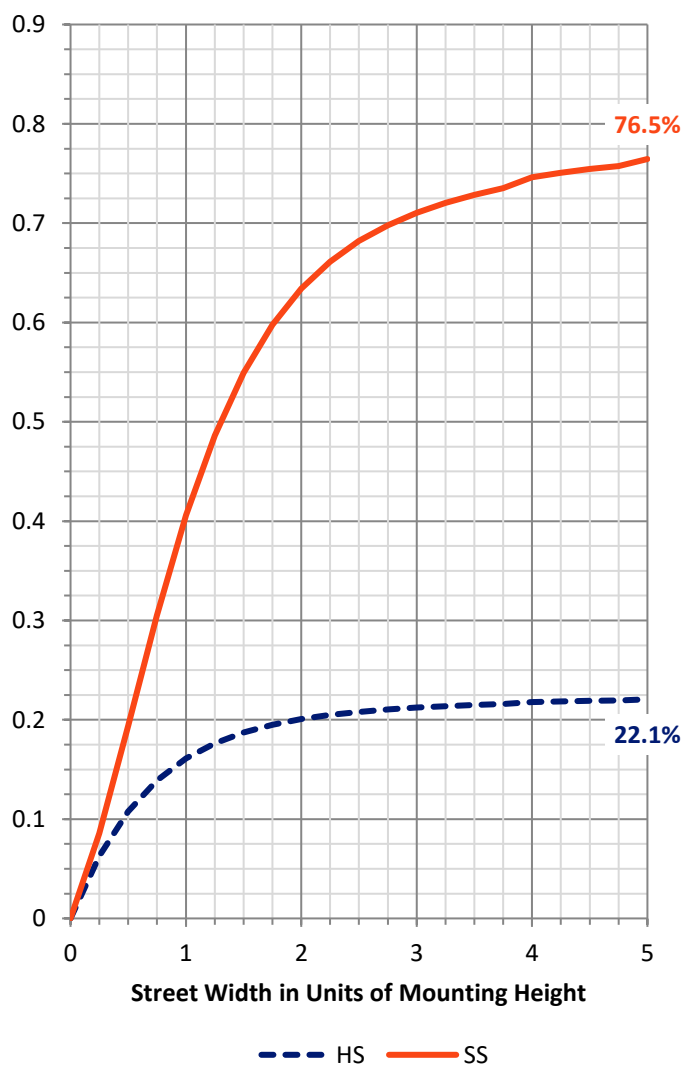
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	192.9	0.0	192.9
	% Fixture	22.3	0.0	22.3
Street Side	Lumens	670.5	0.0	670.5
	% Fixture	77.7	0.0	77.7
Total	Lumens	863.4	0.0	863.4
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	4.4	0.5
10°-20°	16.5	1.9
20°-30°	38.7	4.5
30°-40°	77.8	9.0
40°-50°	129.7	15.0
50°-60°	183.4	21.2
60°-70°	208.2	24.1
70°-80°	158.6	18.4
80°-90°	46.2	5.3
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°	863.4	100.0
0°-180°	863.4	100.0

Coefficient of Utilization

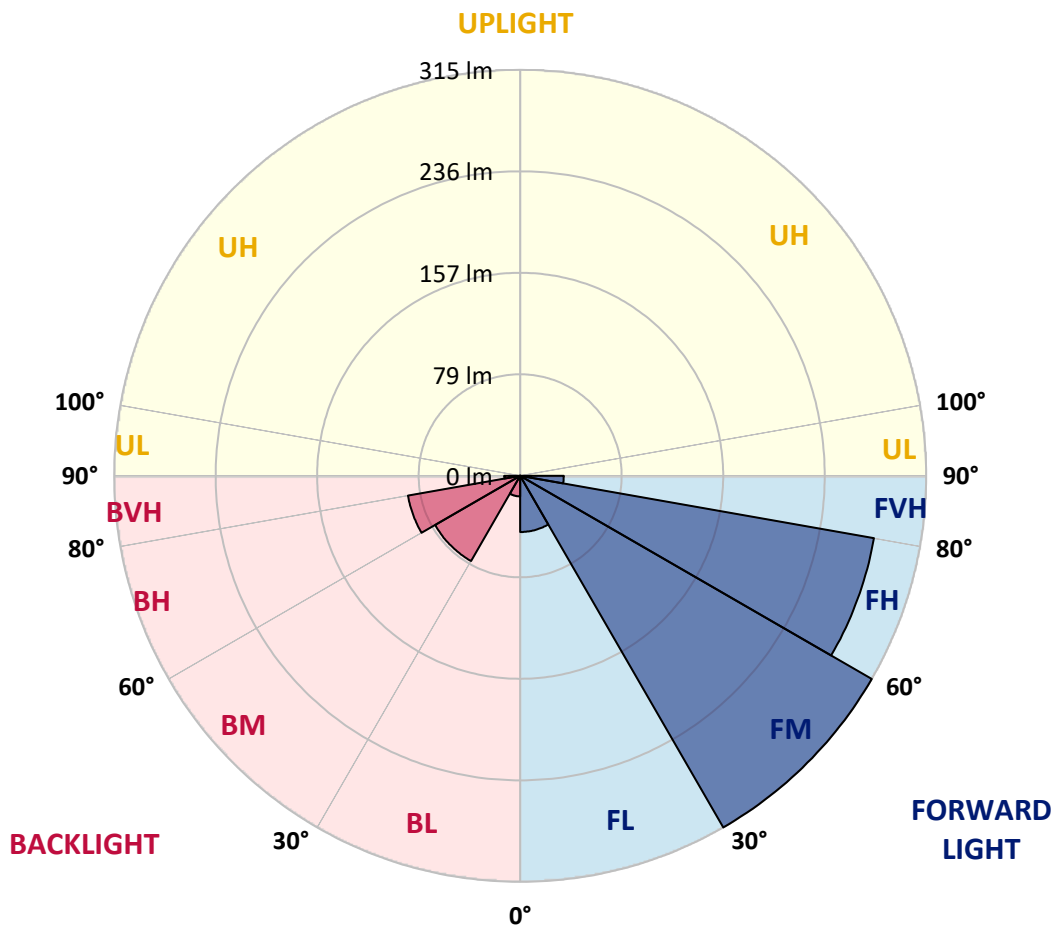


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	43.6	5.0			
FM (30°-60°)	314.7	36.5			
FH (60°-80°)	278.5	32.3			G0/660
FVH (80°-90°)	33.8	3.9			G1/100
BL (0°-30°)	16.0	1.8	B0/110		
BM (30°-60°)	76.2	8.8	B0/220		
BH (60°-80°)	88.3	10.2	B0/110		G0/110
BVH (80°-90°)	12.4	1.4			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B0-U0-G1
 Type IV Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	70°	75°	85°
0°	42	42	42	42	42	42	42	42	42	42	42
2.5°	48	48	48	47	47	47	46	45	45	44	43
5°	53	53	53	52	51	50	49	48	47	46	44
7.5°	60	61	60	58	57	55	52	50	49	48	46
10°	69	69	67	65	62	59	56	53	52	51	48
12.5°	79	80	77	73	69	65	61	57	55	53	50
15°	97	98	91	85	78	72	67	62	60	57	52
17.5°	126	126	117	105	92	84	77	69	65	62	55
20°	144	144	136	125	112	100	89	78	73	67	58
22.5°	156	156	149	141	130	119	106	91	83	75	62
25°	167	167	160	152	145	136	124	105	96	85	69
27.5°	179	179	173	164	159	153	142	121	109	98	77
30°	197	197	191	181	175	172	160	138	125	113	88
32.5°	231	229	218	202	195	190	178	157	144	130	103
35°	267	264	249	228	217	208	198	178	165	151	121
37.5°	286	288	276	257	239	229	218	201	190	175	143
40°	302	305	294	276	259	247	235	222	214	199	166
42.5°	311	315	302	288	275	263	251	243	236	222	188
45°	307	311	302	293	284	276	267	262	256	244	211
47.5°	314	317	304	300	290	285	280	281	277	268	232
50°	332	335	315	309	300	298	295	297	295	288	252
52.5°	344	347	324	314	311	313	312	316	313	307	274
55°	361	365	340	325	319	322	327	336	334	328	293
57.5°	356	361	341	329	323	327	341	356	357	350	313
60°	344	349	331	322	321	325	346	370	375	369	330
62.5°	329	333	316	310	311	320	346	377	385	380	341
65°	308	313	297	295	297	308	340	376	386	384	347
67.5°	283	288	274	273	277	291	326	367	377	376	343
70°	257	260	245	245	250	270	308	348	359	358	328
72.5°	230	229	217	216	222	241	283	321	329	331	305
75°	200	194	186	185	190	210	246	283	290	289	270
77.5°	165	159	152	151	157	174	208	237	243	242	223
80°	123	121	116	115	120	135	164	186	191	190	172
82.5°	83	83	80	78	83	96	116	130	136	134	119
85°	45	46	46	42	48	55	67	74	78	77	67
87.5°	10	12	13	12	14	15	17	19	21	20	17
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°	42	42	42	42	42	42	42	42	42	42	42
2.5°	43	42	41	41	40	40	40	39	39	39	39
5°	44	43	42	40	40	39	38	38	37	37	37
7.5°	45	44	42	40	39	38	37	36	36	36	36
10°	46	45	42	40	39	37	36	35	35	34	34
12.5°	48	46	43	41	38	37	35	34	33	33	33
15°	50	48	44	41	38	36	34	33	32	32	32
17.5°	52	49	44	41	38	36	34	32	31	31	31
20°	54	50	45	41	37	35	33	31	30	30	30
22.5°	57	53	47	42	38	35	32	30	29	29	29
25°	63	57	49	43	38	35	31	29	28	27	27
27.5°	69	62	52	44	39	34	31	28	27	26	26
30°	78	69	56	46	40	34	30	28	26	25	25
32.5°	90	79	61	49	40	34	30	27	25	24	24
35°	106	91	68	52	42	34	29	26	24	23	23
37.5°	125	108	78	57	45	35	30	26	24	23	23
40°	146	125	90	63	48	37	29	25	23	22	22
42.5°	167	144	102	71	51	39	30	25	23	22	22
45°	188	163	116	80	55	40	31	25	22	21	21
47.5°	208	182	131	89	60	42	31	25	22	21	21
50°	228	201	147	99	65	44	31	25	21	20	20
52.5°	247	220	162	109	71	47	32	25	21	20	20
55°	266	237	175	118	77	49	33	24	20	19	19
57.5°	285	251	189	128	82	52	34	24	20	18	18
60°	301	267	199	135	87	54	34	24	19	17	17
62.5°	312	279	207	142	90	56	34	23	18	16	16
65°	318	286	212	146	92	56	34	22	17	15	14
67.5°	315	284	212	146	92	56	33	21	17	13	13
70°	303	275	206	142	89	53	32	20	15	12	12
72.5°	281	253	191	134	84	50	29	18	14	12	11
75°	246	223	169	119	76	44	26	16	12	11	10
77.5°	203	185	141	101	65	38	23	14	10	9	9
80°	158	143	109	79	52	31	19	12	8	8	8
82.5°	108	98	75	55	37	23	14	9	7	7	7
85°	59	54	44	31	22	14	10	7	5	5	5
87.5°	16	15	12	9	7	6	5	4	4	3	3
90°	0	0	0	0	0	0	0	0	0	0	0

(END OF REPORT)