

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: G2-2106-292-8

Luminaire Tested: **ARB-B1-LED-D1-T4-AMB**

Test Date: 8/10/2021

**Test Information**

Test Method: LM-79-08  
Report Number: G2-2106-292-8  
Test Lab: COOPER LIGHTING SOLUTIONS  
Test Date: 8/10/2021  
Issue Date: 8/10/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: INVUE  
Catalog Number: ARB-B1-LED-D1-T4-AMB  
Description: ARBOR OUTDOOR ARCHITECTURAL POST TOP. NARROW BAND AMBER LEDS AND TYPE IV OPTIC  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

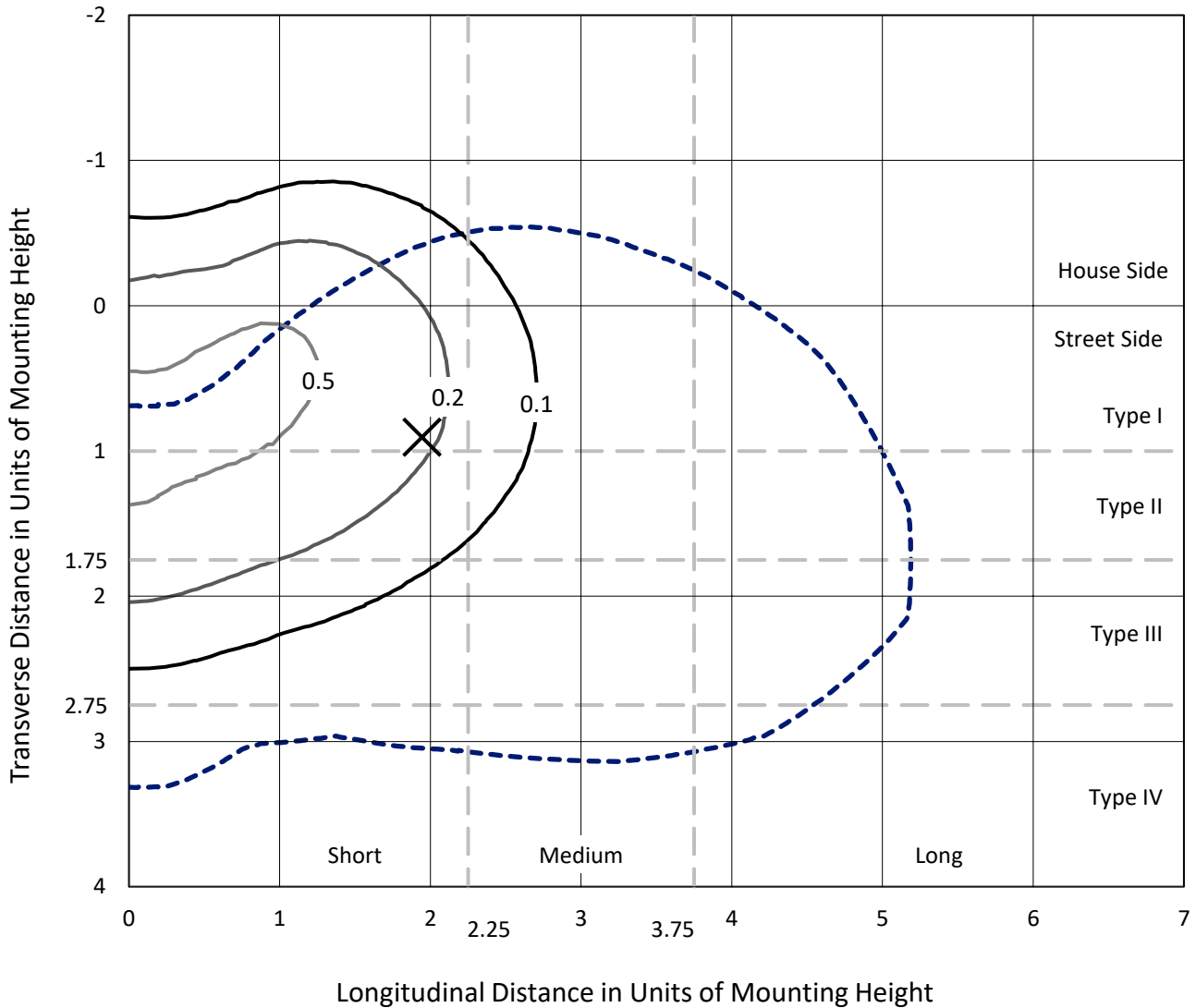
Lumens per Lamp: N/A  
Luminaire Lumens: 865.2 lumens  
Efficiency: N/A  
Efficacy: 24.9 lumens/watt  
Luminous Opening: Circular (Dia: 1.58' x H: 0')  
IES Classification: Type IV - Short  
BUG Rating: B0 - U0 - G1  
  
Input Watts (W): 34.7  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage 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

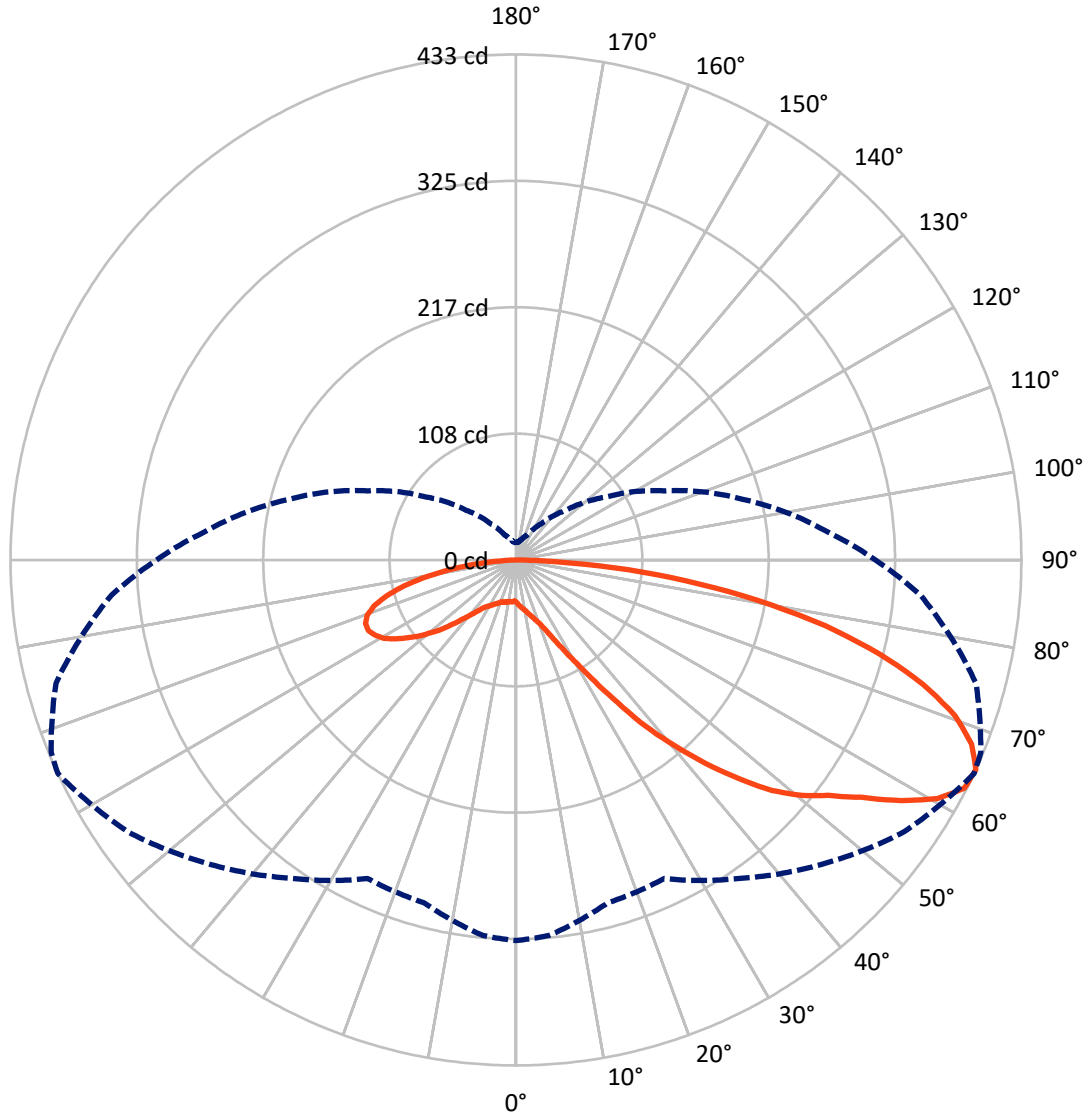
✕ Max cd  
 - - - 1/2 Max cd



Based on 12 foot mounting height. Maximum calculated value = 0.9 fc  
 Type IV - Short - N/A

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### Luminous Intensity Polar Plot



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

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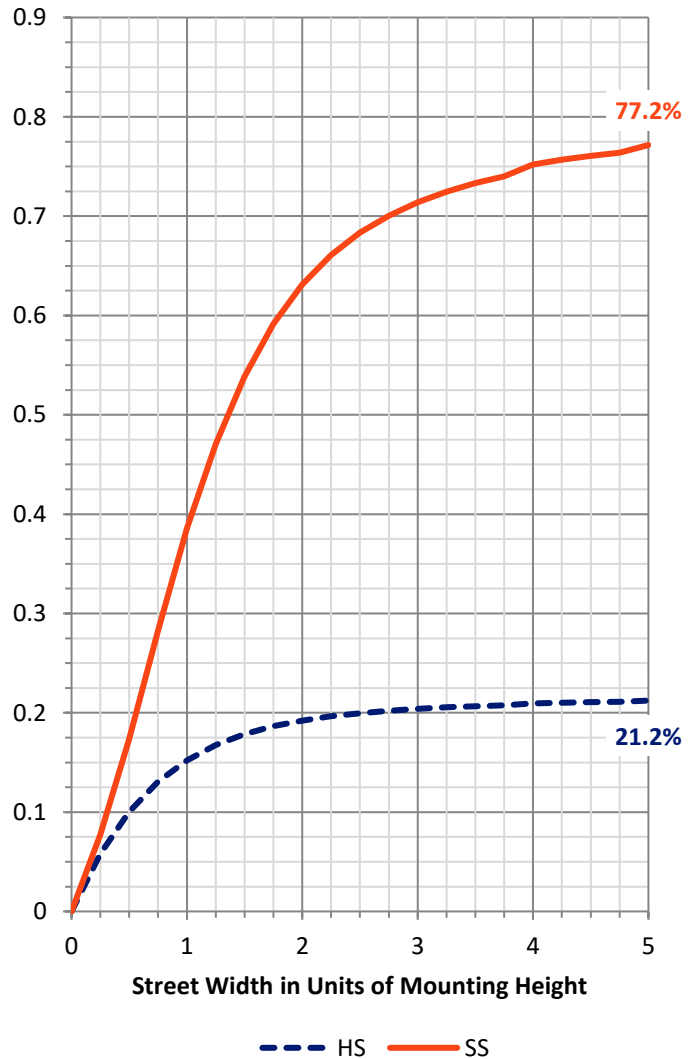
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	185.8	0.0	185.8
	% Fixture	21.5	0.0	21.5
<b>Street Side</b>	Lumens	679.4	0.0	679.4
	% Fixture	78.5	0.0	78.5
<b>Total</b>	Lumens	865.2	0.0	865.2
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	3.7	0.4
10°-20°	12.4	1.4
20°-30°	28.0	3.2
30°-40°	68.2	7.9
40°-50°	127.2	14.7
50°-60°	187.7	21.7
60°-70°	221.2	25.6
70°-80°	167.8	19.4
80°-90°	49.1	5.7
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°	865.2	100.0
0°-180°	865.2	100.0

**Coefficient of Utilization**

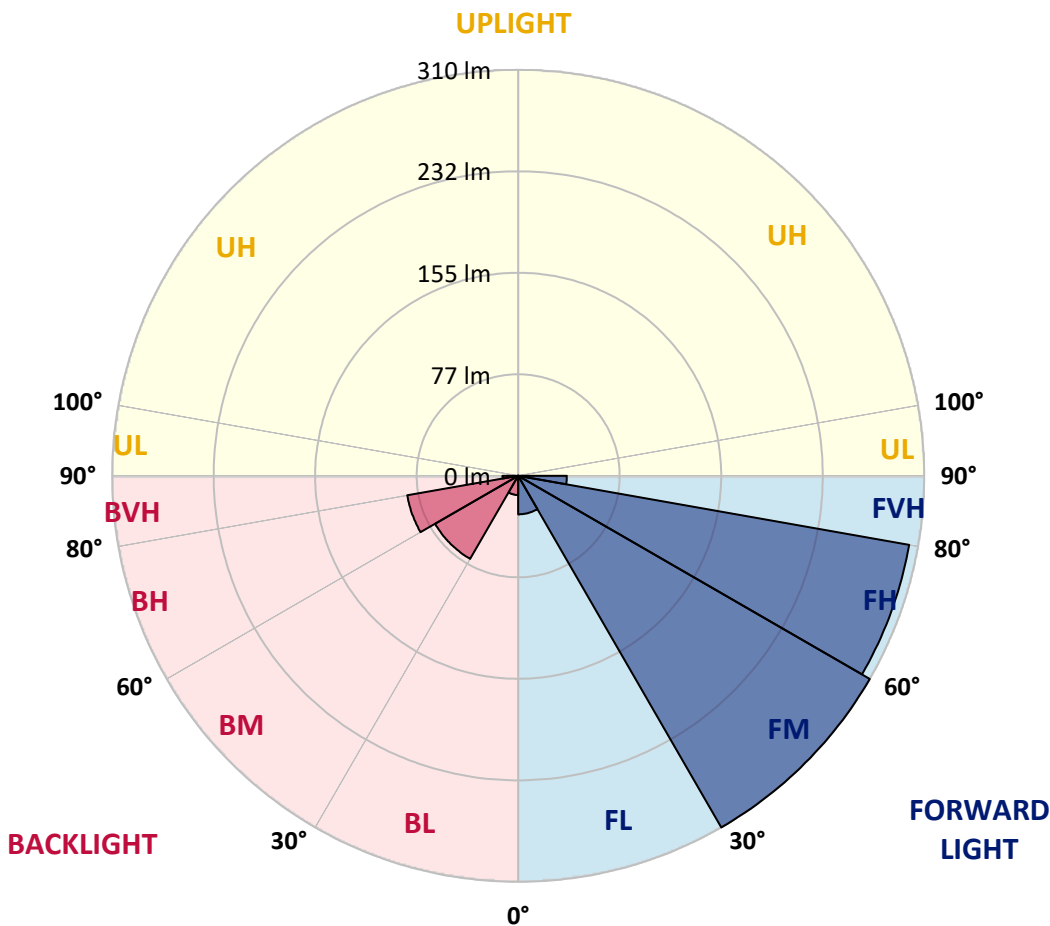


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	29.4	3.4			
FM (30°-60°)	309.8	35.8			
FH (60°-80°)	303.0	35.0			G0/660
FVH (80°-90°)	37.2	4.3			G1/100
BL (0°-30°)	14.7	1.7	B0/110		
BM (30°-60°)	73.2	8.5	B0/220		
BH (60°-80°)	86.0	9.9	B0/110		G0/110
BVH (80°-90°)	11.9	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°	67.5°	75°	85°
0°	36	36	36	36	36	36	36	36	36	36	36
2.5°	40	39	39	39	39	39	38	38	38	37	37
5°	43	42	42	42	42	41	41	40	40	39	38
7.5°	45	45	45	45	44	44	43	42	42	41	40
10°	48	48	48	47	47	46	45	44	44	43	41
12.5°	51	51	51	51	50	49	48	47	46	45	43
15°	55	55	55	55	54	53	51	50	49	47	45
17.5°	62	61	61	60	58	58	56	54	53	51	48
20°	71	70	69	67	64	64	62	58	57	54	50
22.5°	83	82	80	78	74	72	70	65	64	60	54
25°	100	99	96	91	86	85	80	75	73	67	59
27.5°	117	116	112	109	102	101	95	87	84	76	66
30°	142	140	136	130	127	123	115	103	99	87	74
32.5°	185	183	174	163	157	152	142	124	120	104	87
35°	235	231	217	200	187	185	170	150	144	125	102
37.5°	260	258	248	233	220	215	199	181	174	152	123
40°	281	280	271	256	248	240	229	209	204	181	146
42.5°	293	292	285	275	272	268	255	238	234	211	170
45°	301	300	289	286	285	288	281	267	263	238	194
47.5°	313	312	295	289	297	305	301	295	291	267	218
50°	316	314	300	293	306	317	318	317	315	293	242
52.5°	330	326	306	302	314	329	334	335	337	314	265
55°	369	365	337	321	336	353	358	359	360	336	286
57.5°	372	369	348	334	355	374	385	389	386	362	307
60°	364	360	339	333	358	383	403	415	410	387	325
62.5°	351	347	325	320	348	380	411	431	427	403	341
65°	326	323	304	301	333	369	406	433	431	408	348
67.5°	291	290	276	279	313	351	393	421	422	402	345
70°	256	257	243	252	286	325	372	399	401	384	331
72.5°	225	226	213	222	252	291	339	365	369	353	306
75°	194	192	182	190	216	252	299	322	325	311	270
77.5°	158	158	148	155	178	213	248	271	274	260	224
80°	123	124	114	119	136	166	196	210	213	203	173
82.5°	85	87	80	81	96	118	137	147	150	142	119
85°	45	49	47	46	56	70	81	84	86	80	68
87.5°	14	13	14	14	15	20	21	21	23	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°	36	36	36	36	36	36	36	36	36	36	36
2.5°	37	36	36	35	35	35	34	34	34	34	34
5°	38	37	36	36	35	34	34	33	33	33	33
7.5°	39	38	37	36	35	34	33	32	32	31	31
10°	40	40	38	36	35	33	32	31	31	30	30
12.5°	42	41	39	37	35	33	32	31	30	29	29
15°	44	43	40	37	35	33	31	30	29	28	28
17.5°	46	45	41	38	35	33	31	29	28	27	27
20°	48	46	42	38	35	32	30	28	27	26	26
22.5°	51	49	44	40	36	33	30	27	26	26	25
25°	55	53	46	41	37	33	29	27	25	25	25
27.5°	61	57	50	43	37	33	29	26	25	24	24
30°	68	63	53	45	38	33	29	26	24	23	23
32.5°	77	71	57	47	39	33	28	25	23	23	23
35°	90	81	63	50	40	34	29	25	23	22	22
37.5°	106	94	71	55	43	35	29	25	23	22	22
40°	125	111	82	61	47	37	30	26	23	22	22
42.5°	146	127	93	68	51	39	31	26	23	22	22
45°	168	145	106	77	56	41	32	25	23	21	21
47.5°	191	165	120	87	61	44	33	26	22	21	21
50°	213	185	135	96	67	46	33	26	22	21	20
52.5°	233	204	149	106	73	50	34	26	21	20	20
55°	253	221	163	115	80	53	36	26	21	19	19
57.5°	269	235	175	124	85	56	37	26	20	18	18
60°	287	249	186	132	89	59	38	26	20	18	18
62.5°	302	262	195	137	92	60	38	25	19	16	16
65°	308	269	201	140	94	60	38	24	18	15	15
67.5°	306	268	200	140	93	59	36	23	17	14	13
70°	295	258	193	136	90	56	34	21	15	12	11
72.5°	274	237	179	128	84	52	32	19	14	11	11
75°	239	210	160	115	75	47	28	17	12	11	10
77.5°	200	177	134	98	63	40	24	15	10	9	9
80°	154	138	106	77	50	31	19	12	8	8	8
82.5°	107	95	74	54	35	22	14	9	7	6	6
85°	60	54	42	31	20	13	9	6	5	5	5
87.5°	14	14	11	9	6	5	4	3	3	3	3
90°	0	0	0	0	0	0	0	0	0	0	0

(END OF REPORT)