

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: G2-2108-353-3

Luminaire Tested: **LXS-VA1-AMB-U-AST-A**

Test Date: 9/28/2021

Test Information

Test Method: LM-79-08
Report Number: G2-2108-353-3
Test Lab: COOPER LIGHTING SOLUTIONS
Test Date: 9/28/2021
Issue Date: 9/28/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: LXS-VA1-AMB-U-AST-A
Description: LUXESCAPE OUTDOOR ARCHITECTURAL LUMINAIRE
NARROW BAND AMBER LEDS AND TYPE IV OPTIC, ARM MOUNT
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 944.9 lumens
Efficiency: N/A
Efficacy: 27.8 lumens/watt
Luminous Opening: Circular (Dia: 1.67' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B0 - U0 - G1

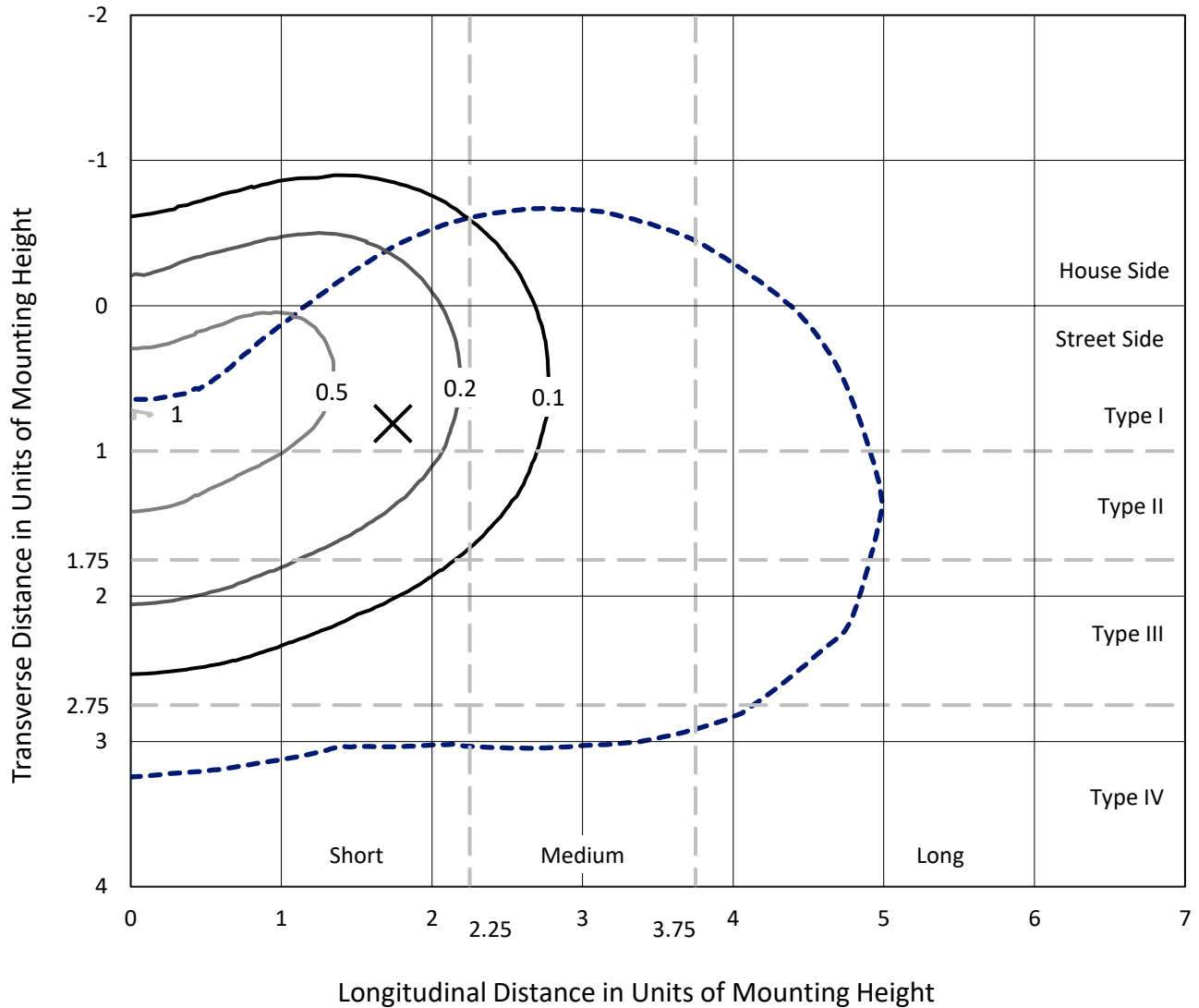
Input Watts (W): 34
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

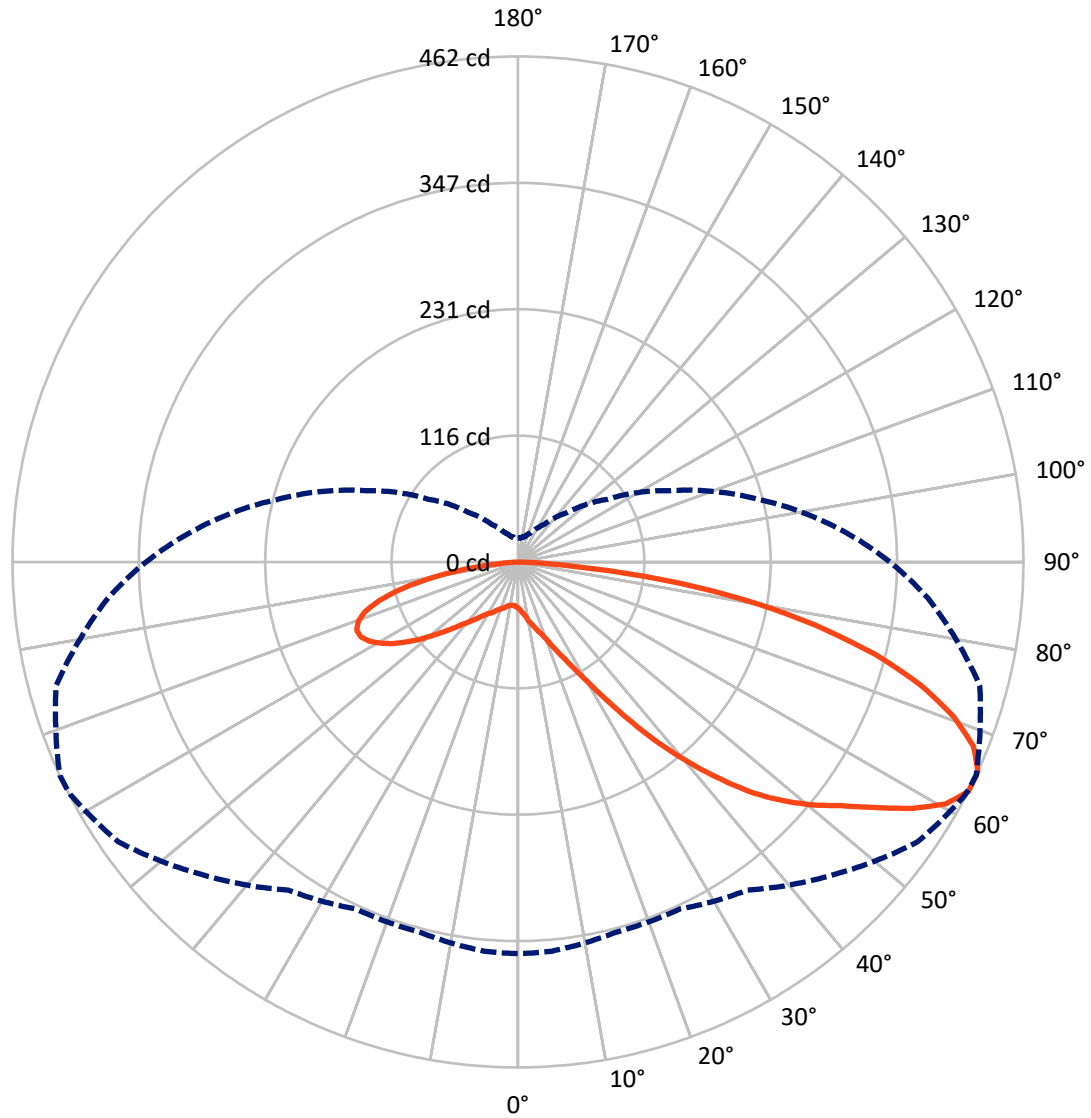
✕ Max cd
 - - - 1/2 Max cd



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 65-Deg Lateral - - - Horizontal Cone Through 62.5-Deg Vertical

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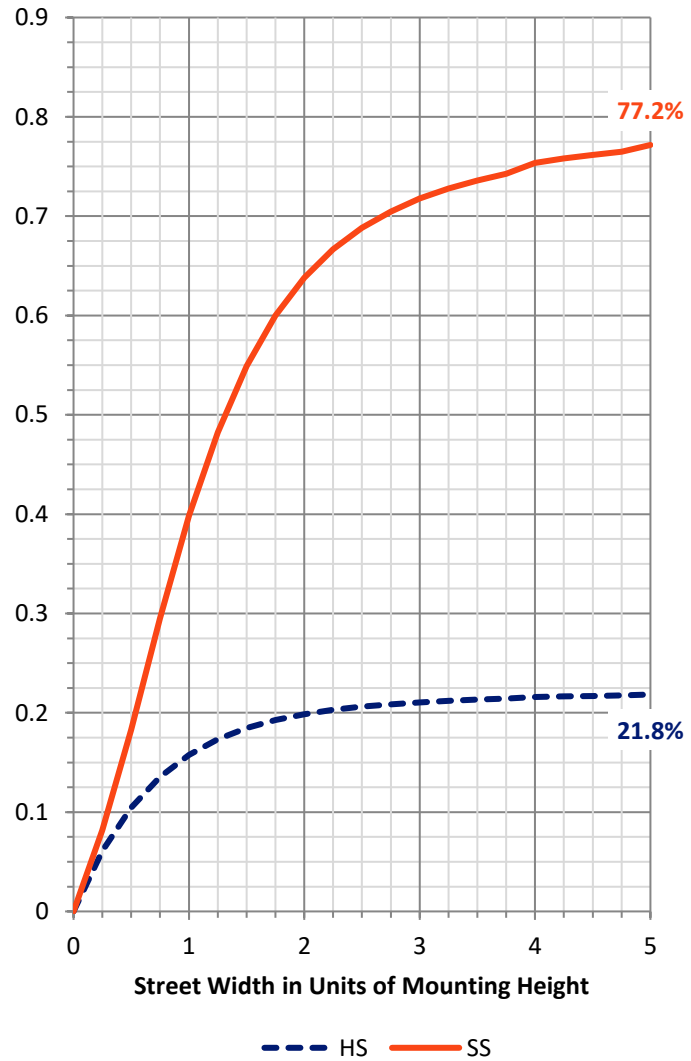
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	208.0	0.0	208.0
	% Fixture	22.0	0.0	22.0
Street Side	Lumens	737.0	0.0	737.0
	% Fixture	78.0	0.0	78.0
Total	Lumens	944.9	0.0	944.9
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	4.3	0.5
10°-20°	15.2	1.6
20°-30°	35.4	3.7
30°-40°	80.2	8.5
40°-50°	140.9	14.9
50°-60°	205.5	21.7
60°-70°	240.8	25.5
70°-80°	181.2	19.2
80°-90°	41.4	4.4
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°	944.9	100.0
0°-180°	944.9	100.0

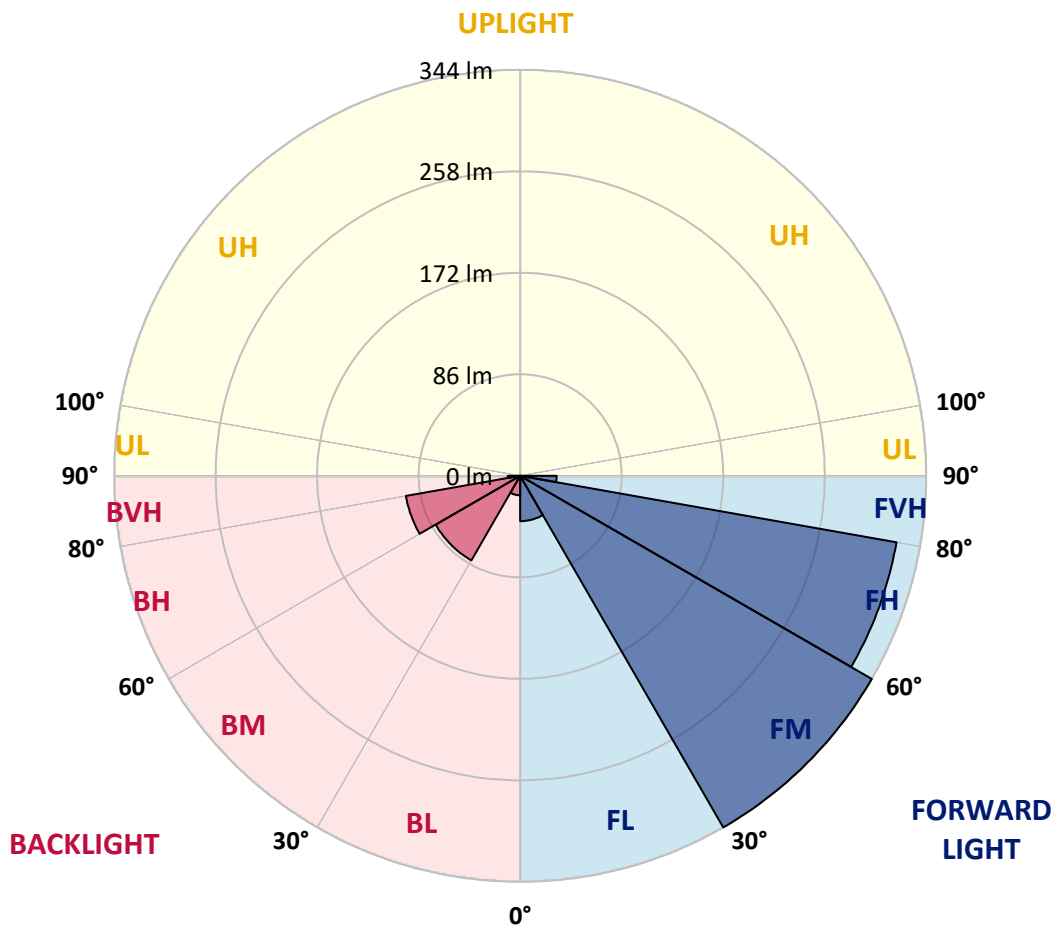


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	38.4	4.1			
FM (30°-60°)	343.9	36.4			
FH (60°-80°)	323.7	34.3			G0/660
FVH (80°-90°)	30.9	3.3			G1/100
BL (0°-30°)	16.5	1.7	B0/110		
BM (30°-60°)	82.7	8.8	B0/220		
BH (60°-80°)	98.3	10.4	B0/110		G0/110
BVH (80°-90°)	10.5	1.1			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°	62.5°	65°	75°	85°
0°	42	42	42	42	42	42	42	42	42	42	42
2.5°	47	47	46	46	46	45	45	44	44	44	43
5°	52	51	51	51	50	49	48	47	47	46	44
7.5°	57	56	56	56	55	54	53	51	50	48	46
10°	62	62	61	61	59	58	57	55	55	52	49
12.5°	68	68	68	67	65	64	61	60	59	55	52
15°	75	75	74	73	72	70	67	64	64	60	55
17.5°	85	84	83	82	80	78	74	71	69	65	59
20°	98	97	95	93	89	86	83	78	76	71	64
22.5°	112	111	109	107	102	97	93	87	86	78	70
25°	133	131	128	123	117	112	104	99	97	87	76
27.5°	151	152	149	145	135	130	119	113	111	97	85
30°	183	181	176	170	163	152	142	131	129	111	95
32.5°	229	225	217	205	193	183	169	156	152	128	108
35°	271	270	258	242	223	213	198	186	181	152	124
37.5°	293	292	286	271	252	241	228	216	211	179	143
40°	309	308	301	291	280	270	257	246	241	208	166
42.5°	317	317	314	305	300	293	286	277	271	237	190
45°	325	324	318	317	312	314	312	304	301	267	216
47.5°	336	335	328	320	324	331	334	329	326	295	242
50°	337	335	333	326	333	344	352	351	349	320	267
52.5°	353	349	342	339	342	358	372	373	370	344	293
55°	384	381	371	356	362	382	398	401	396	369	315
57.5°	382	381	375	366	377	401	425	428	425	395	336
60°	372	370	364	364	376	408	441	450	449	421	358
62.5°	358	357	350	350	366	405	446	461	462	437	376
65°	334	331	329	330	350	392	438	459	462	442	385
67.5°	303	302	304	307	328	372	421	444	449	434	383
70°	273	270	271	278	300	344	390	417	422	412	367
72.5°	236	235	237	243	265	307	355	379	385	379	339
75°	202	201	203	207	228	265	308	331	337	333	297
77.5°	167	167	165	168	186	219	256	272	278	274	244
80°	128	127	124	126	140	166	194	205	210	205	180
82.5°	84	83	82	82	91	110	126	134	134	129	113
85°	30	30	33	34	37	42	48	50	50	48	40
87.5°	0	0	0	0	0	0	1	1	1	1	1
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°	42	42	41	41	40	39	39	38	38	38	38
5°	43	43	41	40	39	37	36	36	35	35	35
7.5°	45	44	42	40	38	36	35	34	33	33	33
10°	47	46	43	40	38	36	34	33	32	31	31
12.5°	50	48	45	41	38	36	33	31	30	30	30
15°	53	51	46	42	39	35	32	30	29	28	29
17.5°	57	54	49	44	39	35	32	30	28	28	27
20°	61	58	51	45	40	35	32	29	27	26	26
22.5°	66	62	54	47	41	36	31	28	26	26	25
25°	71	67	57	49	42	36	31	28	26	25	25
27.5°	78	72	61	52	43	37	32	28	25	24	24
30°	86	79	65	54	45	37	32	27	25	24	24
32.5°	97	88	71	57	47	38	32	27	25	23	23
35°	110	98	77	61	49	39	32	27	25	23	23
37.5°	126	111	85	66	51	40	33	28	25	23	23
40°	145	126	94	71	54	42	34	28	25	23	23
42.5°	166	144	104	77	58	44	35	29	25	24	23
45°	189	165	118	85	62	47	36	29	26	24	24
47.5°	215	185	133	94	67	49	37	30	26	24	24
50°	238	207	150	104	72	52	38	30	26	24	24
52.5°	259	229	167	115	78	55	40	31	26	24	23
55°	283	249	183	126	84	58	41	31	26	23	23
57.5°	304	268	199	137	90	60	42	31	25	23	23
60°	324	286	213	146	96	63	42	31	25	23	23
62.5°	340	302	224	154	100	64	42	30	24	22	22
65°	348	311	231	159	103	65	42	29	23	21	21
67.5°	348	312	231	160	103	64	40	28	21	19	19
70°	335	301	224	156	100	61	38	26	20	18	17
72.5°	310	277	210	147	94	57	35	23	18	16	15
75°	273	244	187	131	84	51	31	20	15	14	14
77.5°	224	200	155	109	71	42	26	17	13	11	11
80°	166	150	116	81	54	33	20	13	10	9	9
82.5°	102	92	71	50	35	22	14	9	7	6	6
85°	38	32	28	21	16	11	8	5	4	4	3
87.5°	1	1	1	2	2	2	2	1	1	1	1
90°	0	0	0	0	0	0	0	0	0	0	0

(END OF REPORT)