

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: G2-2108-353-11

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

Test Date: 9/28/2021

Test Information

Test Method: LM-79-08
Report Number: G2-2108-353-11
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-S
Description: LUXESCAPE OUTDOOR ARCHITECTURAL LUMINAIRE
NARROW BAND AMBER LEDS AND TYPE IV OPTIC, SPIDER MOUNT
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 867.7 lumens
Efficiency: N/A
Efficacy: 25.5 lumens/watt
Luminous Opening: Circular (Dia: 1.67' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B0 - U0 - G1

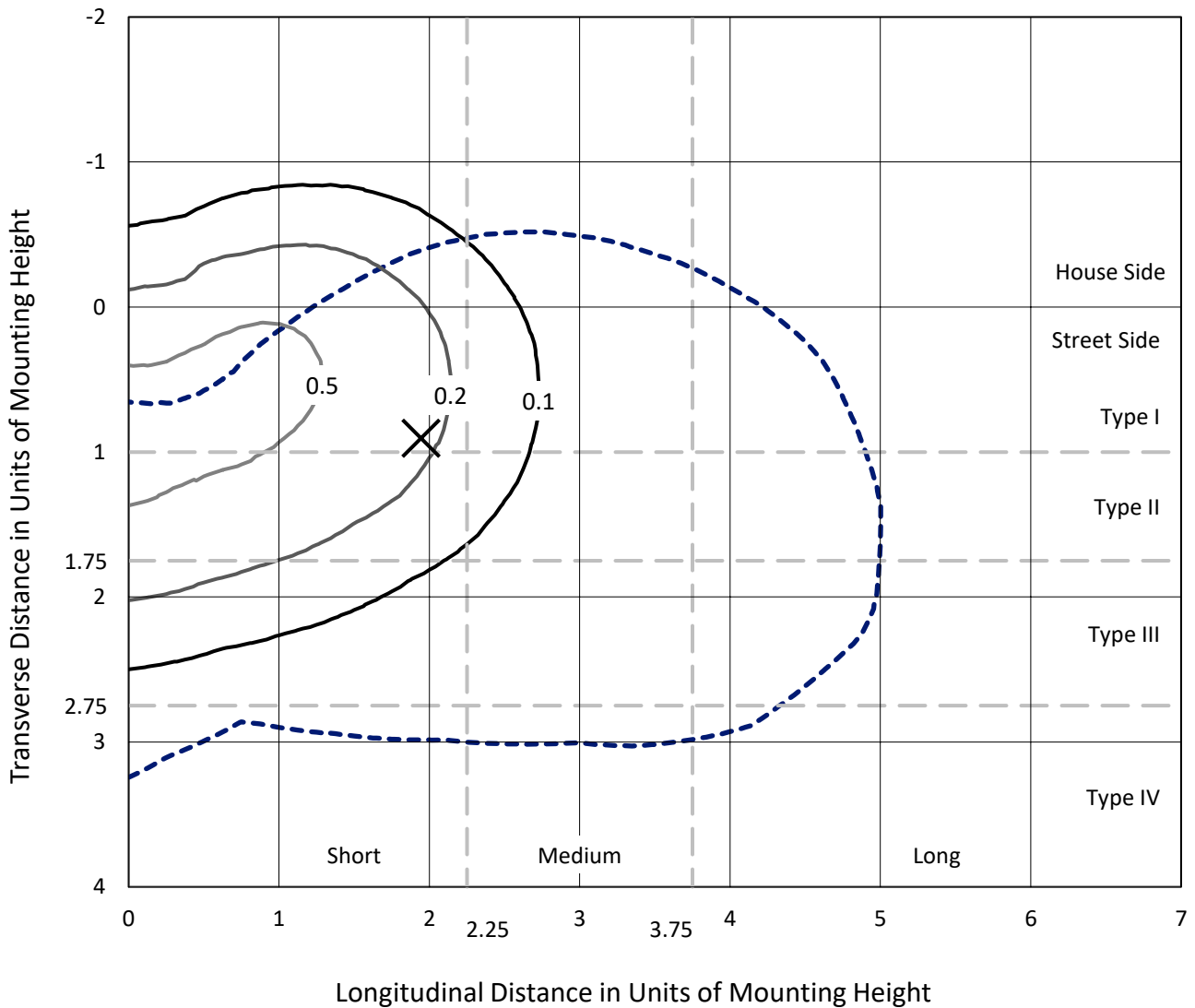
Input Watts (W): 34
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

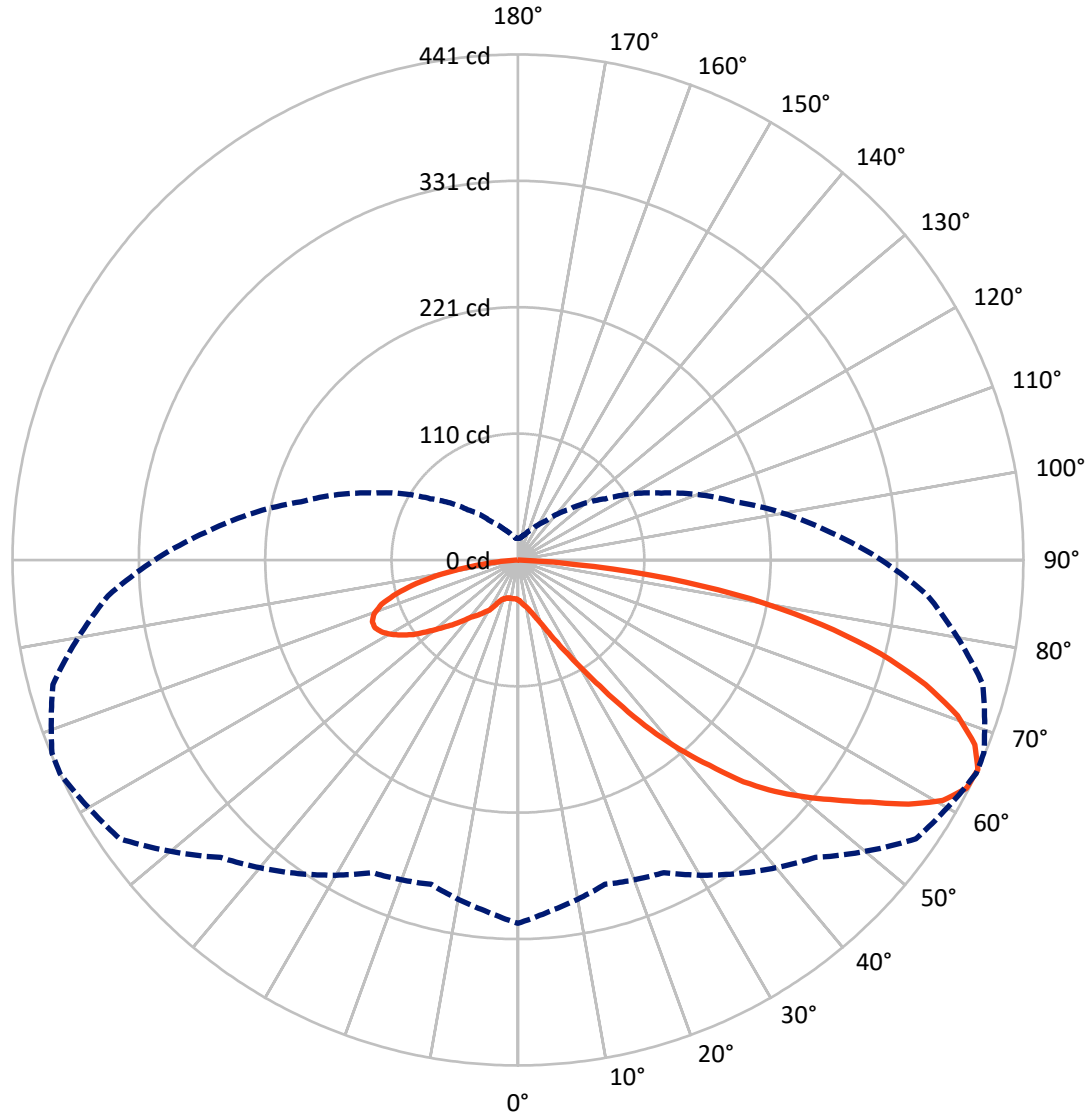
✕ Max cd
 - - - 1/2 Max cd



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 65-Deg Vertical

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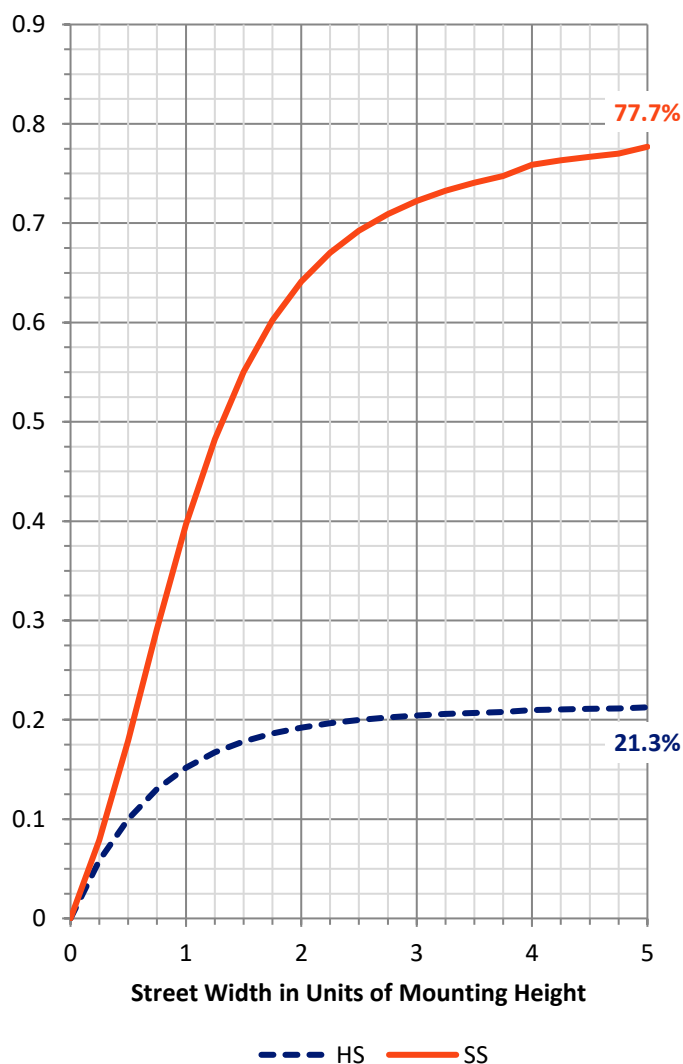
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	186.4	0.0	186.4
	% Fixture	21.5	0.0	21.5
Street Side	Lumens	681.3	0.0	681.3
	% Fixture	78.5	0.0	78.5
Total	Lumens	867.7	0.0	867.7
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	3.5	0.4
10°-20°	12.2	1.4
20°-30°	29.9	3.4
30°-40°	72.0	8.3
40°-50°	129.0	14.9
50°-60°	190.0	21.9
60°-70°	223.4	25.7
70°-80°	168.4	19.4
80°-90°	39.3	4.5
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°	867.7	100.0
0°-180°	867.7	100.0

Coefficient of Utilization

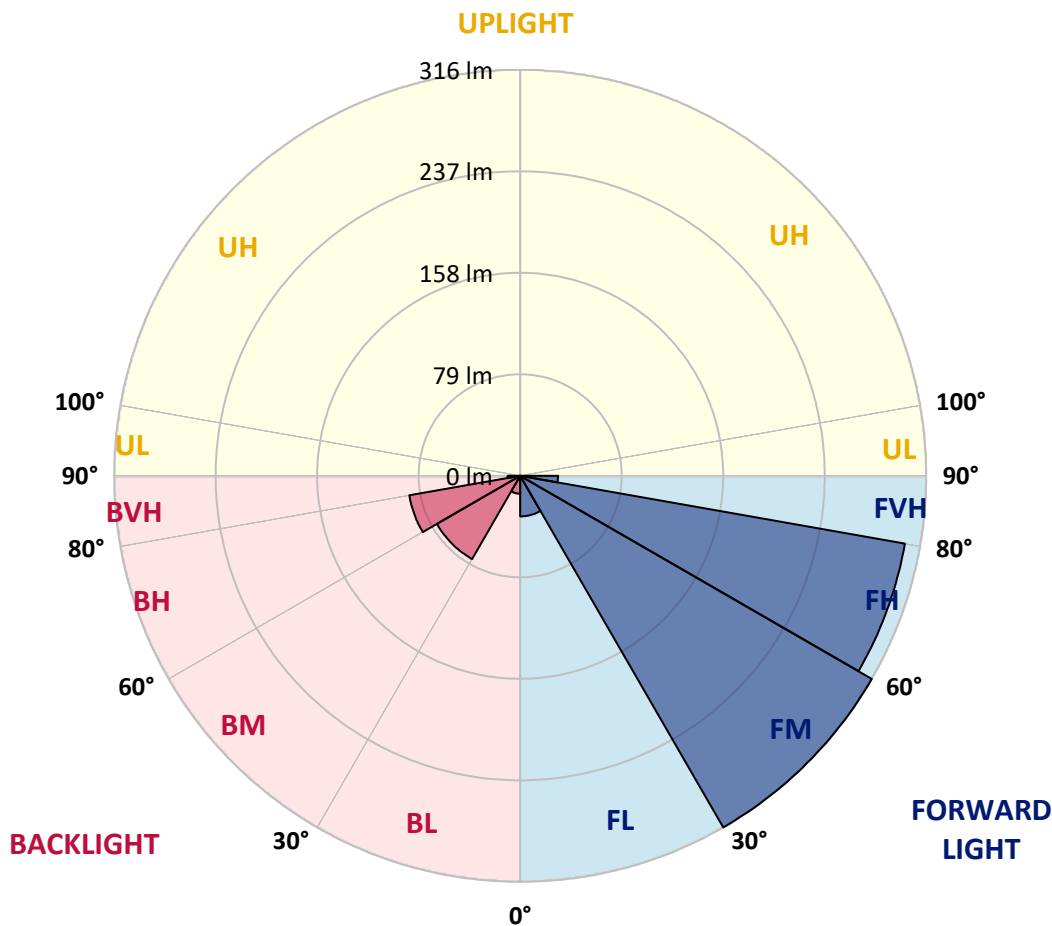


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	31.6	3.6			
FM (30°-60°)	316.1	36.4			
FH (60°-80°)	304.2	35.1			G0/660
FVH (80°-90°)	29.5	3.4			G1/100
BL (0°-30°)	14.0	1.6	B0/110		
BM (30°-60°)	74.9	8.6	B0/220		
BH (60°-80°)	87.7	10.1	B0/110		G0/110
BVH (80°-90°)	9.9	1.1			G0/10
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°	35	35	35	35	35	35	35	35	35	35	35
2.5°	37	37	37	37	37	37	36	36	36	36	35
5°	41	41	40	40	40	39	39	38	38	37	36
7.5°	44	44	44	44	43	42	41	40	40	39	38
10°	48	48	48	47	46	45	44	42	42	41	39
12.5°	53	53	52	51	50	49	47	45	45	43	41
15°	59	59	58	56	55	54	51	49	48	46	43
17.5°	67	67	66	63	62	61	58	54	53	50	46
20°	78	77	76	73	71	70	66	60	59	55	50
22.5°	91	90	89	86	84	80	77	69	67	62	55
25°	113	112	109	103	98	95	88	80	78	70	62
27.5°	137	136	128	124	115	112	103	93	91	81	71
30°	169	166	154	145	142	132	124	110	107	95	81
32.5°	214	210	194	178	171	161	149	131	128	112	93
35°	253	249	233	213	202	190	176	158	155	135	108
37.5°	274	270	257	239	231	217	203	188	182	161	126
40°	288	287	274	257	256	244	230	217	211	189	148
42.5°	298	296	285	273	279	270	255	245	240	217	172
45°	306	303	289	286	292	291	282	276	271	245	196
47.5°	318	313	297	289	304	310	303	302	298	274	220
50°	319	314	301	294	314	322	322	325	323	298	244
52.5°	334	327	308	306	323	336	344	348	347	322	267
55°	365	356	333	322	344	358	373	373	372	346	291
57.5°	363	356	336	331	359	376	400	402	398	374	311
60°	354	346	325	330	359	383	420	426	422	398	332
62.5°	341	332	311	318	349	379	428	439	436	414	349
65°	317	308	293	301	334	367	424	441	440	420	359
67.5°	290	279	265	281	314	349	408	430	429	413	357
70°	257	246	235	254	285	323	381	407	407	393	343
72.5°	225	216	206	225	251	290	347	372	373	361	317
75°	192	183	175	192	215	249	303	327	327	316	278
77.5°	158	150	141	157	176	208	251	271	272	261	229
80°	121	113	106	119	134	161	191	206	206	196	172
82.5°	79	73	67	77	87	107	125	133	132	123	108
85°	27	24	25	32	36	44	47	50	47	47	41
87.5°	1	1	1	1	1	1	1	2	2	1	2
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°	35	35	35	35	35	35	35	35	35	35	35
2.5°	35	35	34	34	33	33	33	33	32	32	32
5°	36	35	35	34	33	32	31	31	30	30	30
7.5°	37	37	35	34	33	32	31	30	29	29	29
10°	38	38	36	34	32	31	30	29	28	28	28
12.5°	40	39	37	34	32	31	29	28	27	27	27
15°	41	40	37	34	32	30	28	26	26	26	26
17.5°	44	42	39	35	32	29	27	26	25	25	24
20°	47	45	40	36	32	29	27	25	24	23	23
22.5°	52	49	43	37	32	30	27	25	23	23	23
25°	58	56	48	40	34	30	27	25	23	22	22
27.5°	65	61	53	45	37	31	27	24	23	22	22
30°	73	68	58	50	40	32	27	25	23	22	22
32.5°	83	76	63	53	44	34	28	25	23	22	21
35°	95	86	69	57	46	36	29	25	23	22	22
37.5°	110	97	76	61	48	39	30	24	23	22	22
40°	128	111	84	65	51	41	31	25	23	22	22
42.5°	147	127	93	71	55	43	33	26	23	22	22
45°	169	145	105	78	58	45	35	27	23	22	22
47.5°	192	163	118	85	63	48	37	28	23	22	22
50°	214	183	131	93	68	50	38	29	24	22	22
52.5°	235	203	145	102	73	53	39	30	24	22	22
55°	254	220	159	112	78	56	40	30	24	22	21
57.5°	275	236	172	120	83	58	41	31	24	21	21
60°	294	250	183	128	88	60	42	31	24	21	21
62.5°	309	265	192	134	91	62	42	31	24	20	20
65°	317	274	196	138	93	62	41	30	23	19	19
67.5°	317	275	196	138	93	61	40	28	22	18	17
70°	307	266	189	134	91	59	38	26	20	17	16
72.5°	283	245	175	125	85	55	35	24	18	15	15
75°	248	216	155	110	76	49	31	21	16	13	13
77.5°	206	179	127	91	63	41	26	18	14	12	12
80°	154	133	94	68	48	32	21	15	11	10	10
82.5°	96	82	57	42	32	22	15	11	9	8	8
85°	36	31	23	18	16	12	9	7	6	6	6
87.5°	1	1	2	2	3	3	3	3	3	3	3
90°	0	0	0	0	0	0	0	0	0	0	0

(END OF REPORT)