

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: G2-2108-353-9

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

Test Date: 9/23/2021

Test Information

Test Method: LM-79-08
Report Number: G2-2108-353-9
Test Lab: COOPER LIGHTING SOLUTIONS
Test Date: 9/23/2021
Issue Date: 9/23/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: LXS-VA1-AMB-U-ASC-S
Description: LUXESCAPE OUTDOOR ARCHITECTURAL LUMINAIRE
NARROW BAND AMBER LEDS AND TYPE II OPTIC, SPIDER MOUNT
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 676.9 lumens
Efficiency: N/A
Efficacy: 19.9 lumens/watt
Luminous Opening: Circular (Dia: 1.67' x H: 0')
IES Classification: Type II - Short
BUG Rating: B1 - U0 - G1

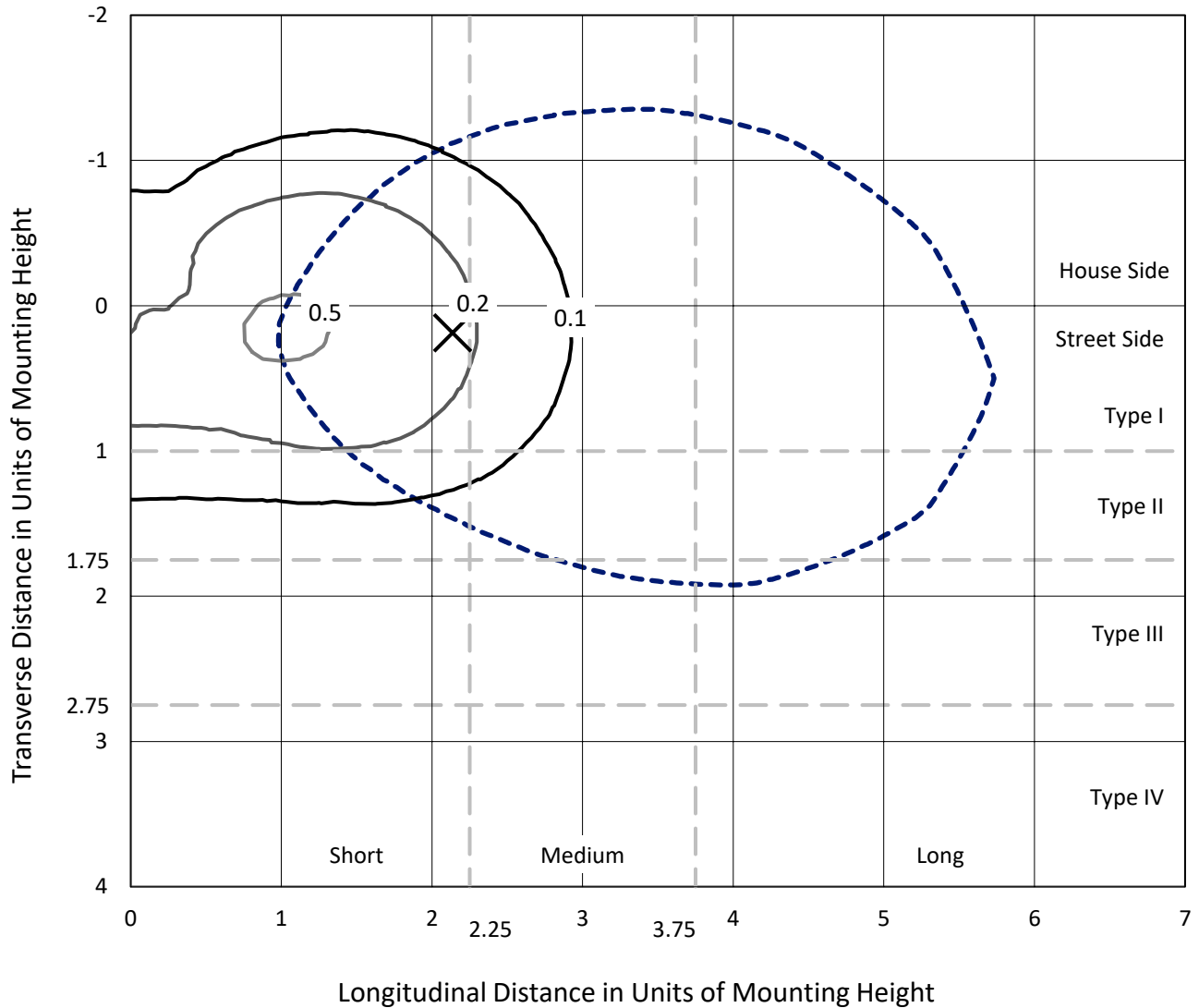
Input Watts (W): 34
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

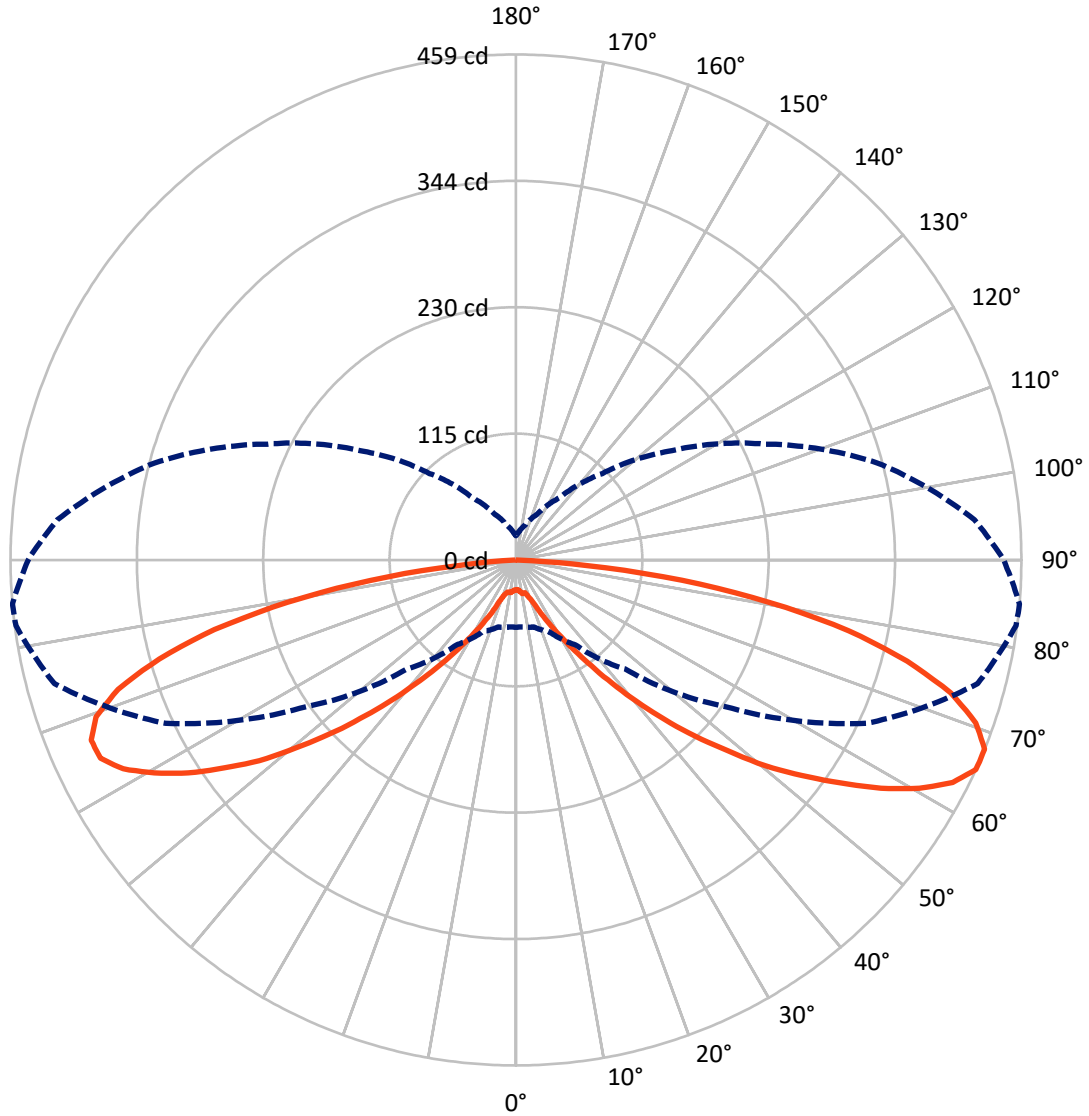
✕ Max cd
 - - - 1/2 Max cd



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

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Luminous Intensity Polar Plot



— Vertical Plane Through 85-Deg Lateral - - - Horizontal Cone Through 65-Deg Vertical

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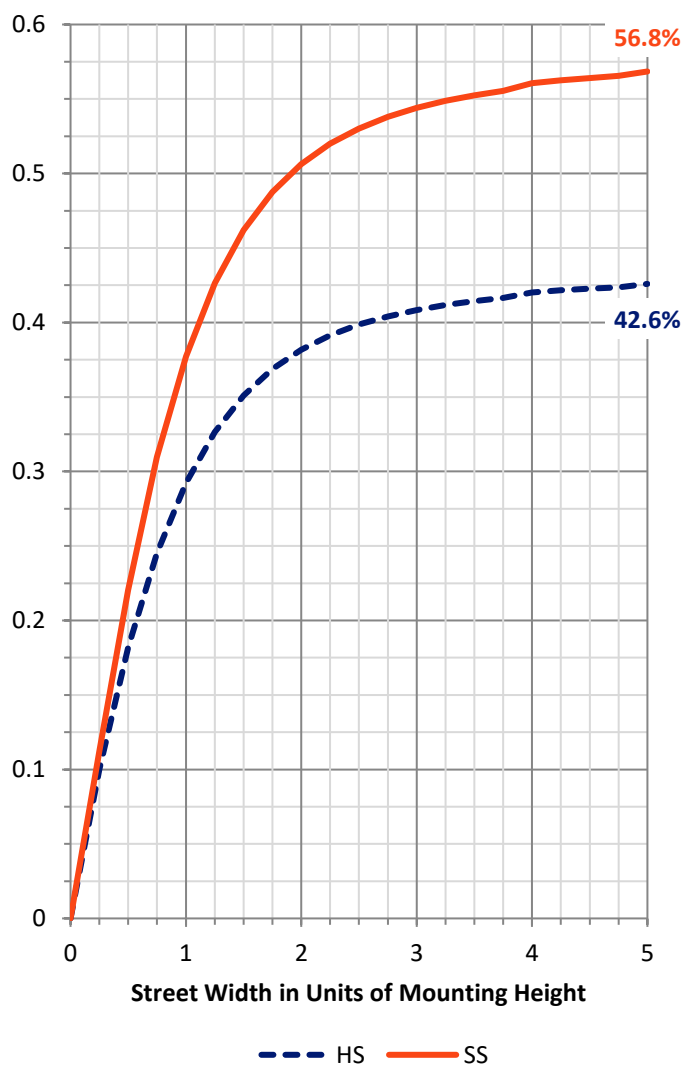
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	290.3	0.0	290.3
	% Fixture	42.9	0.0	42.9
Street Side	Lumens	386.6	0.0	386.6
	% Fixture	57.1	0.0	57.1
Total	Lumens	676.9	0.0	676.9
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	2.7	0.4
10°-20°	9.0	1.3
20°-30°	21.0	3.1
30°-40°	46.4	6.8
40°-50°	87.2	12.9
50°-60°	141.4	20.9
60°-70°	182.6	27.0
70°-80°	150.1	22.2
80°-90°	36.5	5.4
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°	676.9	100.0
0°-180°	676.9	100.0

Coefficient of Utilization



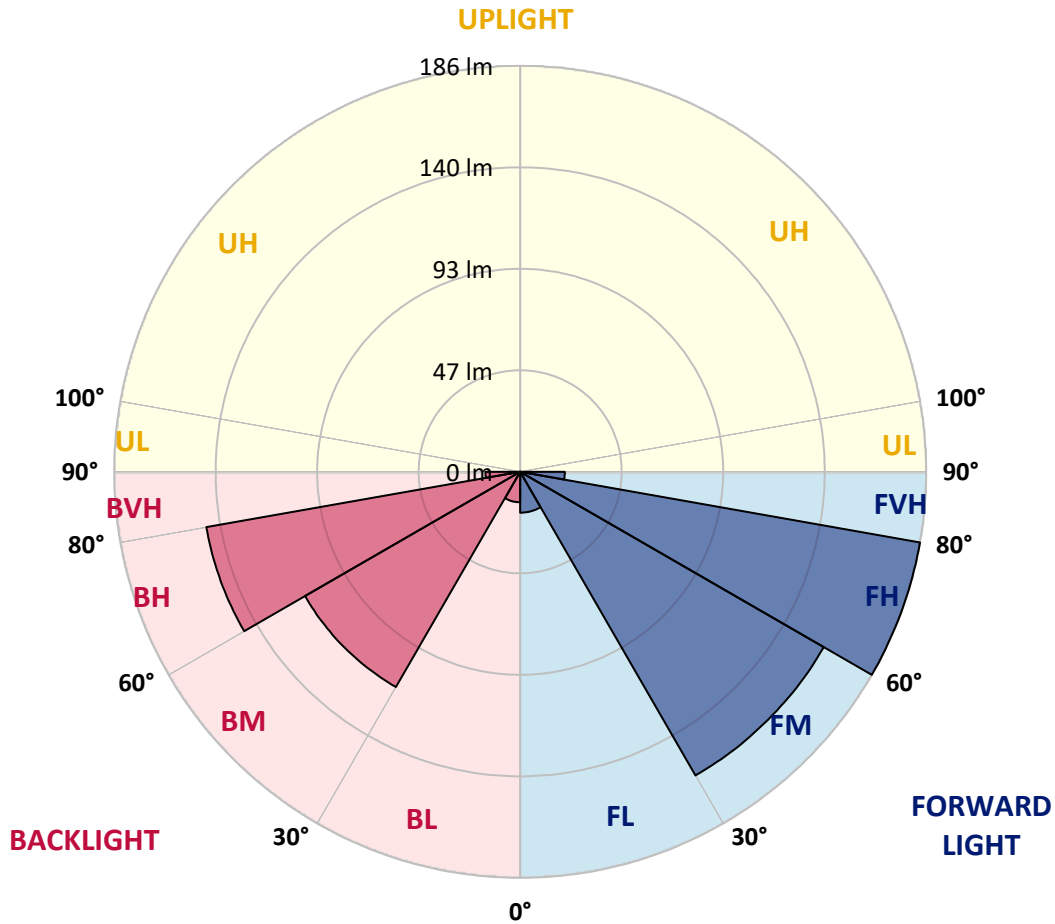
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	18.8	2.8			
FM (30°-60°)	160.9	23.8			
FH (60°-80°)	186.4	27.5			G0/660
FVH (80°-90°)	20.5	3.0			G1/100
BL (0°-30°)	14.0	2.1	B0/110		
BM (30°-60°)	114.0	16.8	B0/220		
BH (60°-80°)	146.3	21.6	B1/500		G1/500
BVH (80°-90°)	16.0	2.4			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°	27	27	27	27	27	27	27	27	27	27	27
2.5°	27	27	27	28	28	28	28	28	28	27	27
5°	28	28	28	28	28	29	29	29	28	28	28
7.5°	29	29	29	30	30	30	30	30	30	30	29
10°	30	30	30	31	31	32	32	31	31	31	31
12.5°	31	31	31	32	33	33	33	33	32	31	31
15°	33	33	33	34	34	35	35	34	33	32	31
17.5°	36	36	36	36	38	39	38	37	36	34	34
20°	40	40	40	41	42	43	43	42	41	39	38
22.5°	41	41	42	45	47	48	49	48	47	46	45
25°	44	44	45	48	52	53	57	58	57	55	55
27.5°	48	48	48	51	55	59	66	69	69	67	67
30°	52	51	51	55	60	66	76	82	84	82	81
32.5°	56	56	56	59	65	73	87	96	100	100	98
35°	60	60	61	64	69	81	99	114	121	121	118
37.5°	62	62	64	68	74	89	112	133	144	145	142
40°	63	63	65	70	78	96	124	154	170	172	169
42.5°	64	64	66	72	82	102	135	175	197	201	198
45°	64	64	67	74	84	108	147	195	225	232	228
47.5°	64	64	67	76	87	114	159	216	254	265	259
50°	65	65	68	77	91	121	171	236	286	297	294
52.5°	66	66	69	79	94	128	184	257	316	328	325
55°	68	68	70	80	97	134	199	283	347	359	357
57.5°	68	68	71	80	100	140	214	307	378	392	391
60°	67	66	69	79	100	144	225	328	403	422	421
62.5°	64	64	66	76	98	143	232	344	423	446	445
65°	61	61	63	72	94	140	232	351	434	458	459
67.5°	56	56	59	66	88	134	227	348	434	458	459
70°	51	51	53	60	81	126	217	333	418	443	443
72.5°	46	46	47	53	73	115	202	310	390	413	413
75°	40	39	41	46	62	100	181	276	348	367	367
77.5°	33	33	34	37	51	84	154	231	289	306	309
80°	25	25	26	28	38	65	120	178	219	231	234
82.5°	17	17	17	18	24	44	80	117	142	149	152
85°	8	8	8	8	11	21	37	51	61	63	64
87.5°	1	1	1	1	2	2	3	2	3	2	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°	27	27	27	27	27	27	27	27	27	27	27
2.5°	27	27	27	27	27	27	27	27	27	27	27
5°	28	28	28	28	28	27	27	27	27	27	27
7.5°	29	29	29	28	28	28	28	27	27	27	27
10°	30	30	29	29	28	28	28	28	27	27	27
12.5°	31	30	29	28	27	28	28	27	27	27	27
15°	31	30	29	28	27	27	28	27	27	27	27
17.5°	33	32	31	29	28	28	28	28	28	28	28
20°	37	35	32	30	29	28	28	28	28	28	28
22.5°	44	41	37	33	31	30	29	28	28	28	28
25°	53	52	47	41	36	33	30	29	29	28	28
27.5°	64	62	58	52	44	36	32	29	29	29	28
30°	78	75	68	60	51	41	33	30	29	29	29
32.5°	94	90	79	68	58	46	36	31	29	29	29
35°	113	107	91	76	64	52	39	32	29	29	29
37.5°	135	127	105	85	70	58	43	32	30	30	30
40°	161	149	121	96	78	63	47	35	31	30	30
42.5°	188	175	139	109	87	68	51	38	31	30	30
45°	218	202	162	123	97	74	55	40	31	30	30
47.5°	249	232	185	139	106	79	58	42	32	30	30
50°	283	263	210	158	117	85	61	44	33	29	29
52.5°	315	296	238	176	129	91	64	46	34	29	29
55°	345	325	263	195	140	98	66	47	35	28	28
57.5°	376	355	291	213	152	103	69	48	35	28	27
60°	405	381	312	229	162	107	70	48	35	27	25
62.5°	428	404	328	241	169	111	70	48	35	26	24
65°	443	418	340	249	173	111	69	46	33	25	22
67.5°	445	419	343	250	173	110	67	44	32	24	21
70°	433	407	334	243	168	106	63	41	29	22	20
72.5°	404	380	312	226	158	98	58	37	26	20	19
75°	358	336	275	202	141	88	52	32	23	17	17
77.5°	297	281	228	168	120	74	43	27	19	15	15
80°	222	211	169	127	91	57	33	21	15	12	12
82.5°	141	134	105	82	59	38	23	14	10	9	9
85°	56	54	40	29	24	18	11	8	6	5	5
87.5°	1	2	2	2	2	2	2	2	2	2	2
90°	0	0	0	0	0	0	0	0	0	0	0

(END OF REPORT)