

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: G2-2108-353-10

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

Test Date: 9/27/2021

**Test Information**

Test Method: LM-79-08  
Report Number: G2-2108-353-10  
Test Lab: COOPER LIGHTING SOLUTIONS  
Test Date: 9/27/2021  
Issue Date: 9/27/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: INVUE  
Catalog Number: LXS-VA1-AMB-U-ASW-S  
Description: LUXESCAPE OUTDOOR ARCHITECTURAL LUMINAIRE  
NARROW BAND AMBER LEDS AND TYPE III OPTIC, SPIDER MOUNT  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 844.8 lumens  
Efficiency: N/A  
Efficacy: 24.8 lumens/watt  
Luminous Opening: Circular (Dia: 1.67' x H: 0')  
IES Classification: Type IV - Short  
BUG Rating: B0 - U0 - G1

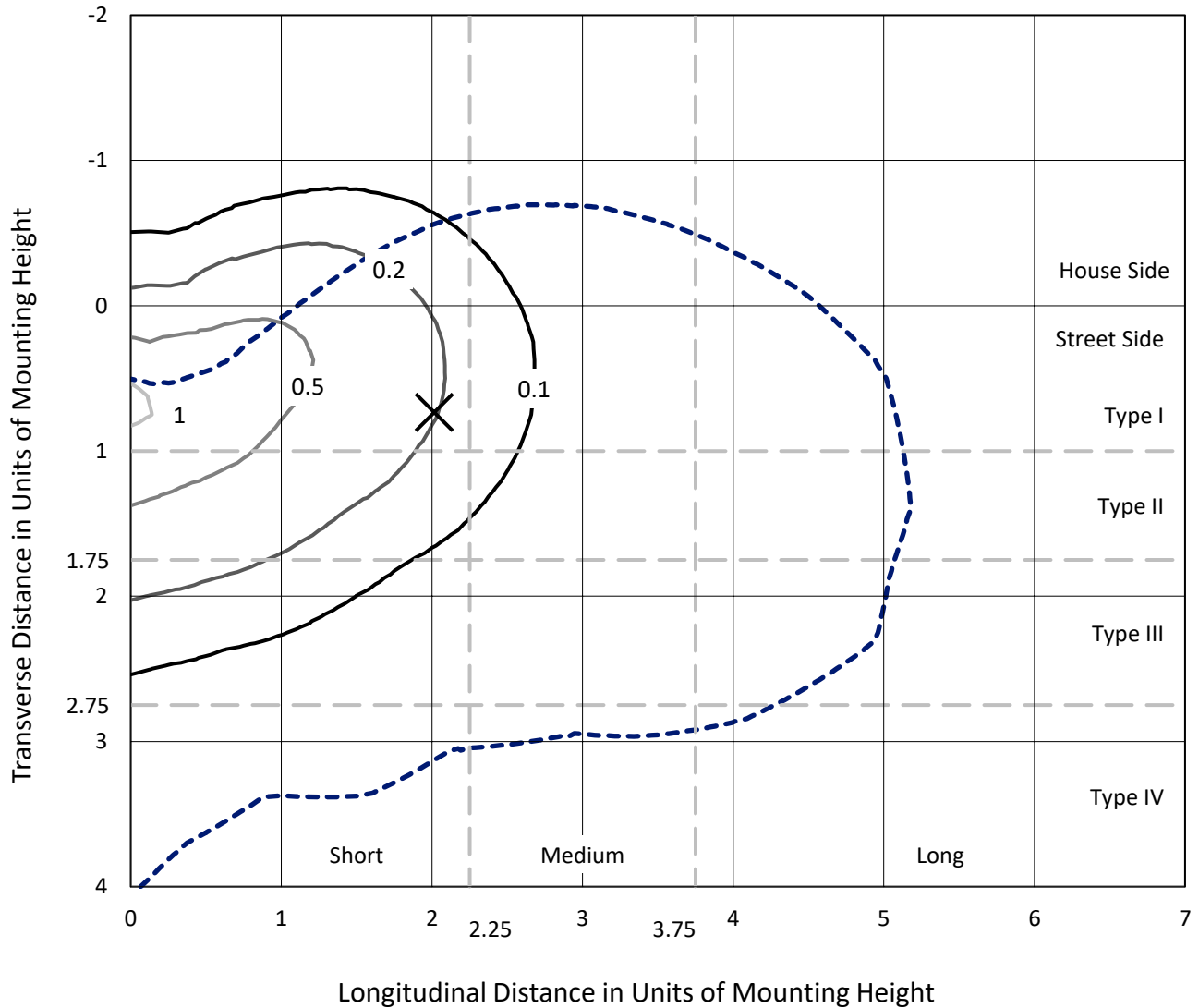
Input Watts (W): 34  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 28.75 FT



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### Iso-Footcandle Lines of Horizontal Illumination

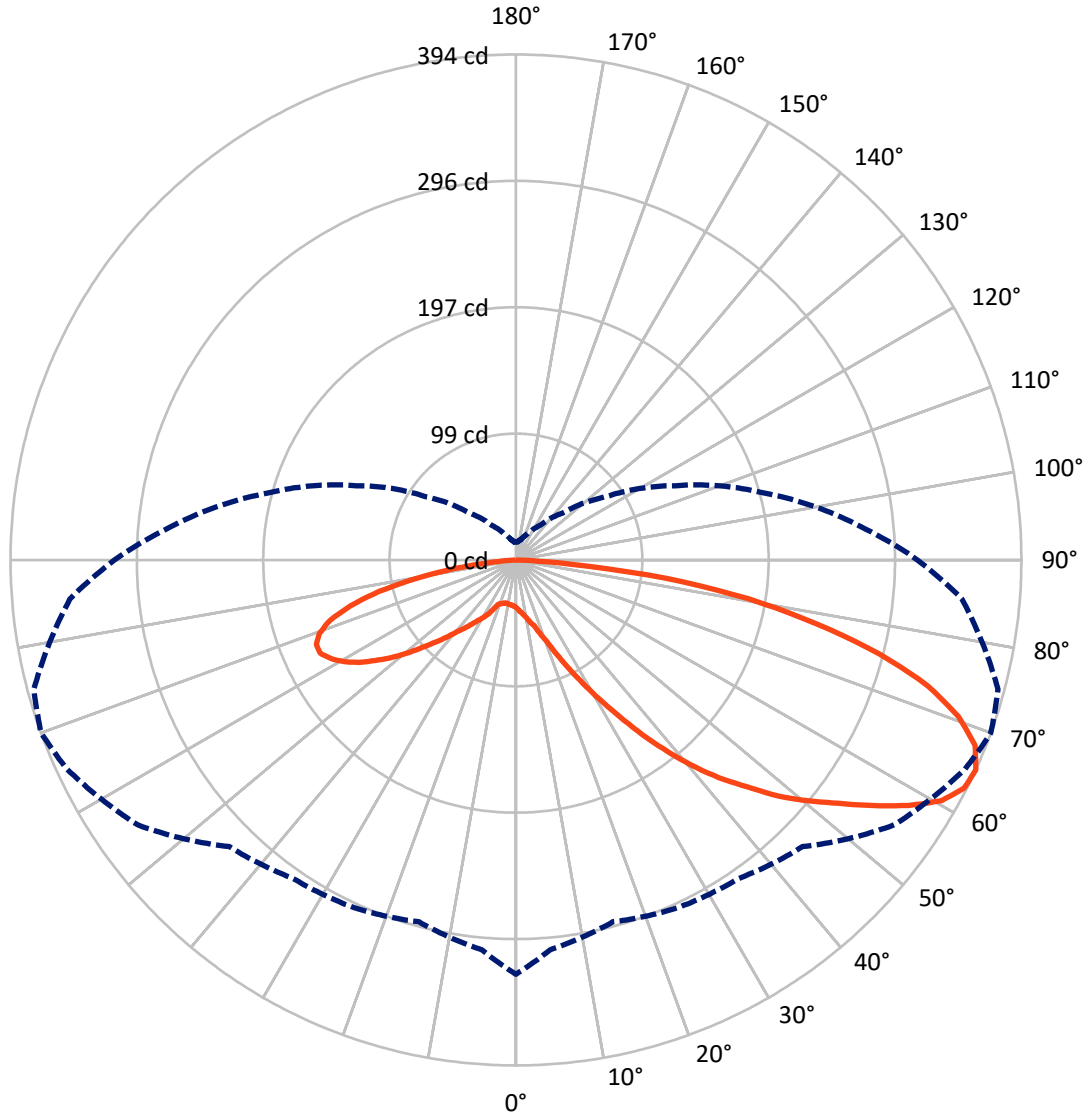
✕ Max cd  
 - - - 1/2 Max cd



Based on 12 foot mounting height. Maximum calculated value = 1.1 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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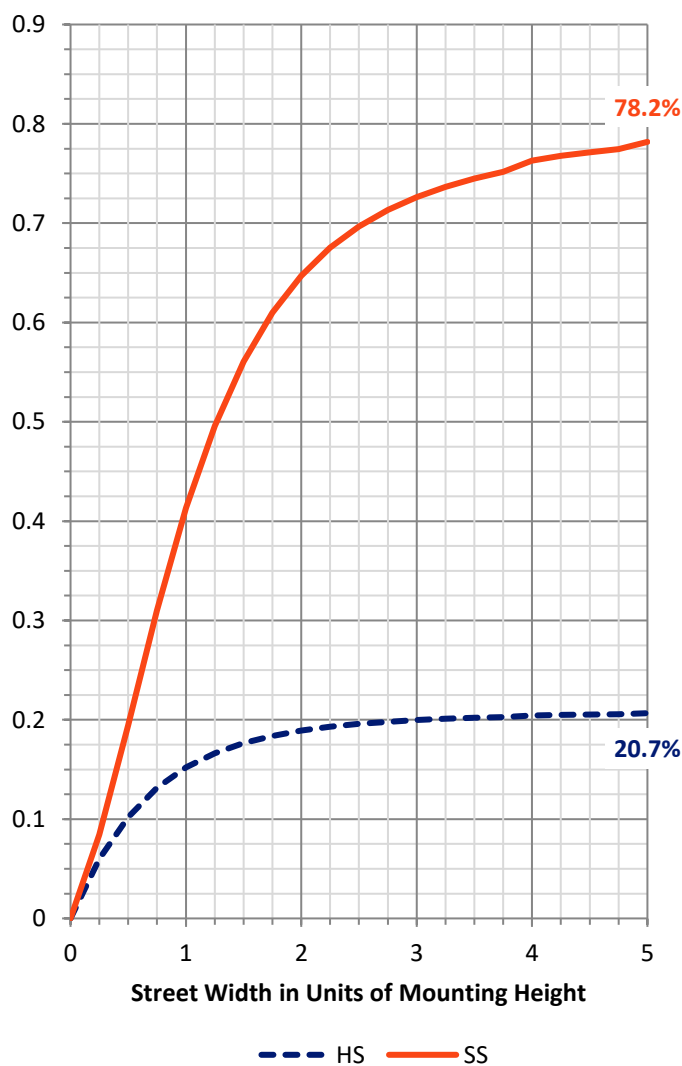
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	176.1	0.0	176.1
	% Fixture	20.8	0.0	20.8
<b>Street Side</b>	Lumens	668.7	0.0	668.7
	% Fixture	79.2	0.0	79.2
<b>Total</b>	Lumens	844.8	0.0	844.8
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	3.8	0.5
10°-20°	14.7	1.7
20°-30°	37.8	4.5
30°-40°	77.4	9.2
40°-50°	126.2	14.9
50°-60°	179.5	21.3
60°-70°	208.3	24.7
70°-80°	159.0	18.8
80°-90°	38.0	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°	844.8	100.0
0°-180°	844.8	100.0

**Coefficient of Utilization**



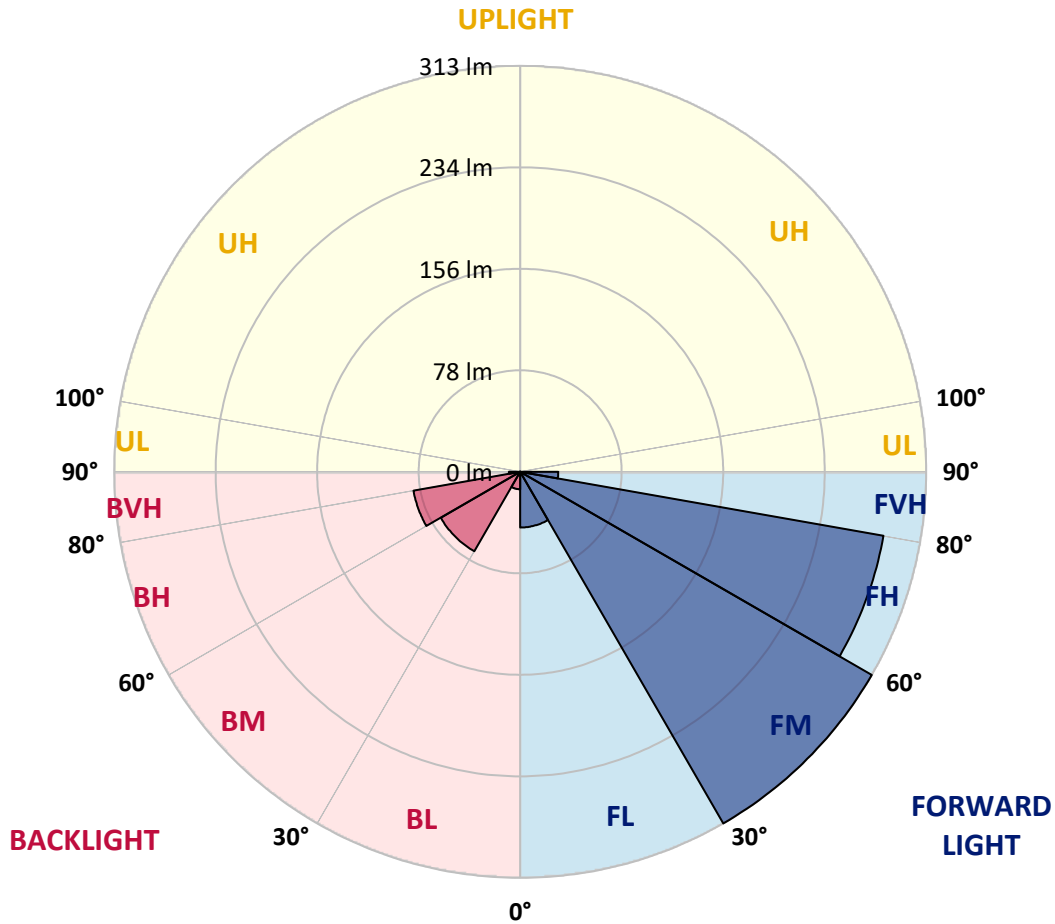
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	42.9	5.1			
FM (30°-60°)	312.5	37.0			
FH (60°-80°)	284.0	33.6			G0/660
FVH (80°-90°)	29.4	3.5			G1/100
BL (0°-30°)	13.4	1.6	B0/110		
BM (30°-60°)	70.6	8.4	B0/220		
BH (60°-80°)	83.4	9.9	B0/110		G0/110
BVH (80°-90°)	8.7	1.0			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°	70°	75°	85°
0°	37	37	37	37	37	37	37	37	37	37	37
2.5°	43	42	42	42	42	41	40	40	39	39	38
5°	48	48	47	47	46	45	43	42	41	41	39
7.5°	55	55	54	52	50	48	46	44	43	43	40
10°	64	64	62	59	56	53	50	47	46	45	42
12.5°	75	75	72	67	62	59	55	52	50	48	44
15°	93	91	84	77	72	67	62	56	53	50	45
17.5°	121	119	108	96	89	81	73	64	60	56	48
20°	143	141	130	120	110	100	86	73	67	62	53
22.5°	159	157	147	140	131	120	103	85	78	70	59
25°	179	175	164	158	149	140	121	99	91	81	68
27.5°	203	199	181	174	167	158	140	115	106	95	78
30°	230	222	202	191	185	175	156	133	123	110	89
32.5°	264	255	228	210	204	192	174	152	142	129	102
35°	294	283	259	233	226	209	192	174	164	148	118
37.5°	309	298	281	255	245	226	210	195	187	169	136
40°	318	308	291	273	263	243	227	217	210	192	156
42.5°	323	312	296	282	277	258	242	238	232	215	177
45°	325	314	299	287	287	272	257	257	252	238	198
47.5°	326	314	302	294	295	283	274	278	275	260	219
50°	339	326	309	303	305	296	290	298	295	284	240
52.5°	344	330	314	309	316	310	310	319	315	305	262
55°	361	345	325	317	324	321	330	342	338	328	285
57.5°	362	345	327	323	329	328	348	362	361	351	306
60°	354	337	321	320	326	330	359	378	381	371	325
62.5°	340	322	309	311	318	326	364	386	392	385	341
65°	323	305	292	299	303	316	360	386	394	389	349
67.5°	302	284	269	281	284	300	349	377	386	383	347
70°	276	256	243	255	259	276	328	359	366	366	334
72.5°	244	226	215	227	229	249	300	330	336	337	309
75°	213	197	184	196	196	218	263	292	293	297	271
77.5°	178	163	152	161	163	182	219	244	240	243	224
80°	135	126	116	123	124	140	169	188	184	183	168
82.5°	96	86	78	82	83	95	114	125	118	115	104
85°	42	41	36	39	40	47	51	52	43	44	40
87.5°	1	1	1	1	2	2	2	2	2	2	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°	37	37	37	37	37	37	37	37	37	37	37
2.5°	38	37	36	36	35	34	34	34	33	33	33
5°	38	37	36	35	34	33	32	32	31	31	31
7.5°	39	38	36	34	33	32	31	30	29	29	29
10°	40	39	36	34	32	31	29	28	28	27	27
12.5°	42	40	36	33	31	30	28	27	26	26	26
15°	43	41	36	33	31	28	27	26	25	25	25
17.5°	45	42	37	34	30	28	26	25	24	24	24
20°	49	45	38	34	30	28	26	24	23	23	23
22.5°	54	49	41	34	30	27	25	23	22	22	22
25°	61	56	46	38	31	27	25	23	21	21	21
27.5°	70	62	52	42	34	28	24	22	21	20	20
30°	79	70	57	46	37	29	24	21	20	19	19
32.5°	90	79	62	49	39	30	24	21	19	19	19
35°	104	90	68	53	42	32	24	20	19	18	18
37.5°	119	102	76	57	44	33	25	20	19	18	18
40°	136	116	84	61	46	35	26	20	18	18	18
42.5°	155	132	95	67	49	37	28	21	18	18	18
45°	174	150	106	74	53	39	29	21	18	17	17
47.5°	194	168	119	81	57	41	30	22	18	17	17
50°	213	186	134	90	61	43	31	23	18	17	17
52.5°	233	204	148	99	66	45	32	23	18	17	17
55°	252	221	161	109	71	47	33	24	18	16	16
57.5°	272	237	175	118	75	49	33	24	18	16	16
60°	291	253	186	126	80	51	33	24	18	15	15
62.5°	305	267	195	132	84	52	33	23	18	15	14
65°	313	274	201	137	86	52	33	23	17	14	14
67.5°	312	274	201	137	86	51	32	21	16	13	13
70°	302	264	194	133	83	49	30	20	15	12	11
72.5°	278	244	180	125	78	46	27	18	14	11	11
75°	244	213	157	111	70	41	24	16	12	10	10
77.5°	200	176	128	91	58	34	20	14	11	9	9
80°	145	128	92	67	44	26	16	11	9	7	7
82.5°	87	76	55	41	28	18	11	8	7	6	6
85°	31	25	19	16	12	8	6	5	5	4	4
87.5°	1	1	2	2	2	2	2	2	2	2	2
90°	0	0	0	0	0	0	0	0	0	0	0

(END OF REPORT)