

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: G2-2108-353-6

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

Test Date: 9/27/2021

**Test Information**

Test Method: LM-79-08  
Report Number: G2-2108-353-6  
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-C  
Description: LUXESCAPE OUTDOOR ARCHITECTURAL LUMINAIRE  
NARROW BAND AMBER LEDS AND TYPE III OPTIC, CANTILEVER MOUNT  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 912.6 lumens  
Efficiency: N/A  
Efficacy: 26.8 lumens/watt  
Luminous Opening: Circular (Dia: 1.67' x H: 0')  
IES Classification: Type IV - Short  
BUG Rating: B0 - U0 - G1

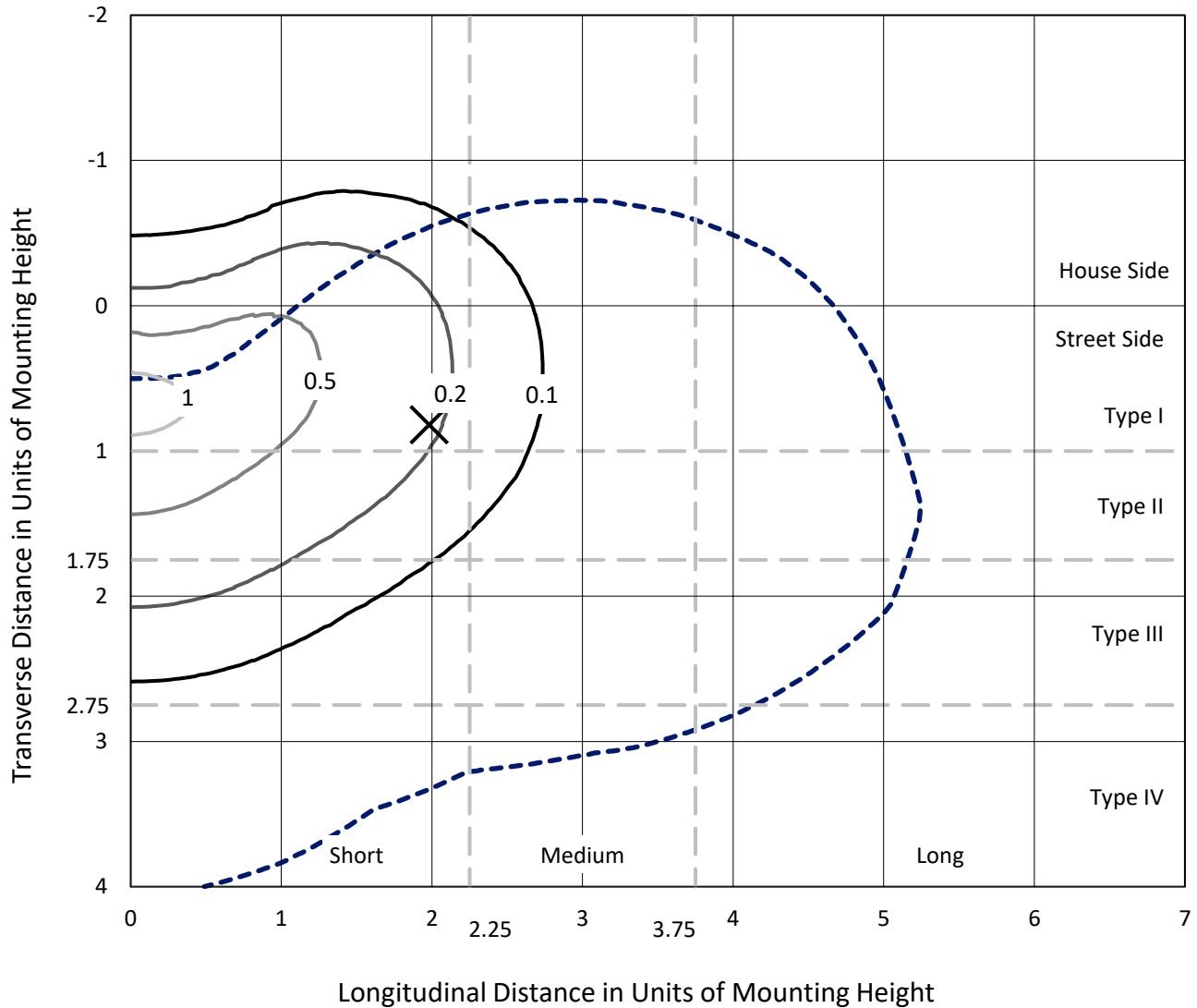
Input Watts (W): 34  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 28.75 FT



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### Iso-Footcandle Lines of Horizontal Illumination

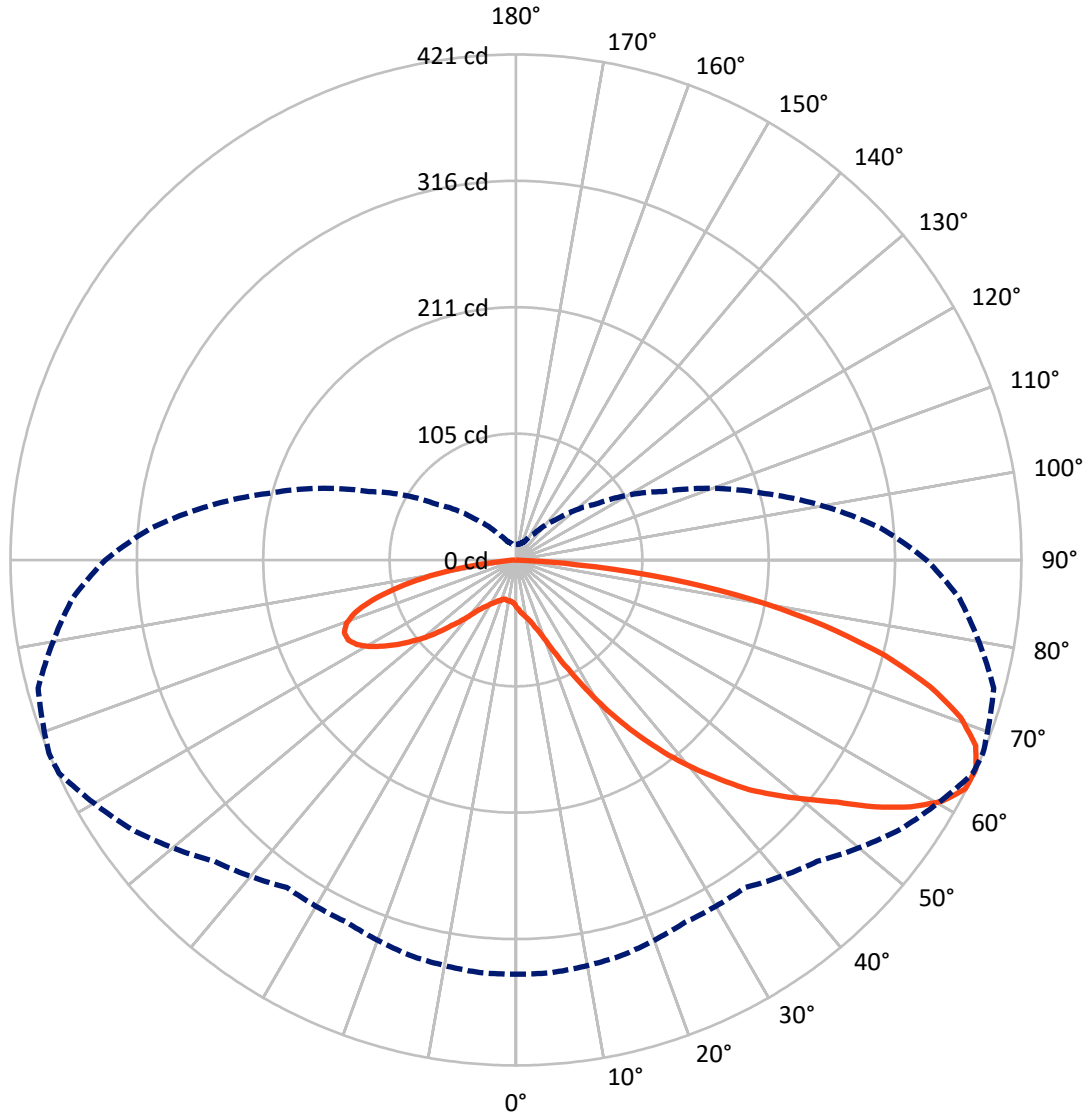
✕ Max cd  
 - - - 1/2 Max cd



Based on 12 foot mounting height. Maximum calculated value = 1.2 fc  
 Type IV - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 67.5-Deg Lateral    - - - Horizontal Cone Through 65-Deg Vertical

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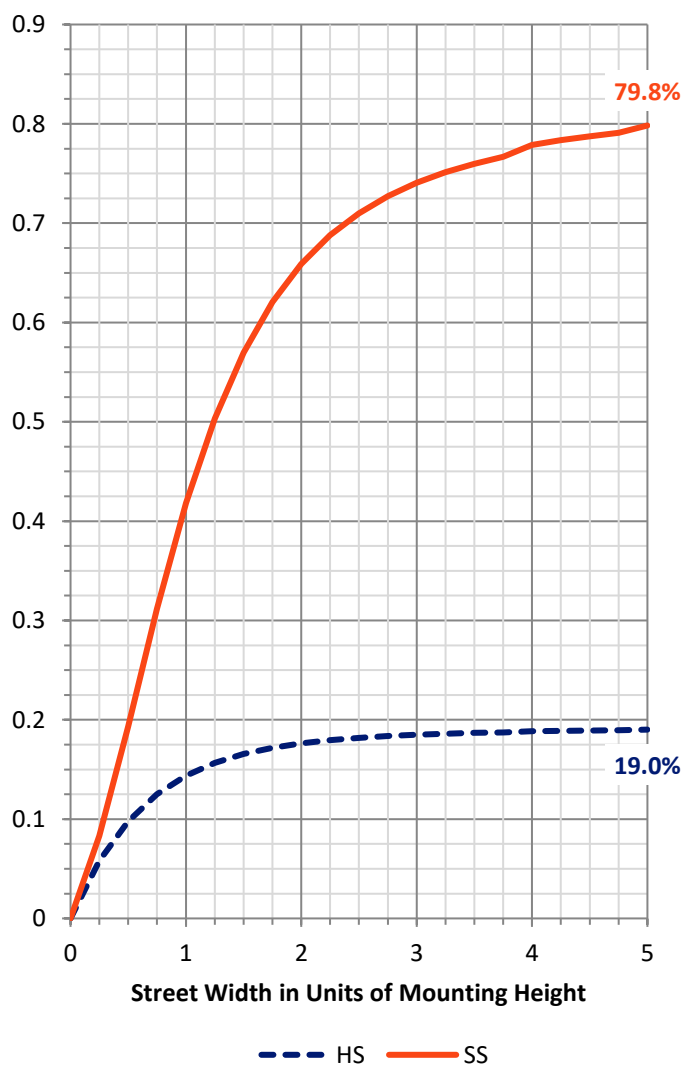
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	174.4	0.0	174.4
	% Fixture	19.1	0.0	19.1
<b>Street Side</b>	Lumens	738.2	0.0	738.2
	% Fixture	80.9	0.0	80.9
<b>Total</b>	Lumens	912.6	0.0	912.6
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	4.0	0.4
10°-20°	15.5	1.7
20°-30°	40.5	4.4
30°-40°	83.8	9.2
40°-50°	136.7	15.0
50°-60°	194.4	21.3
60°-70°	225.5	24.7
70°-80°	171.9	18.8
80°-90°	40.3	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°	912.6	100.0
0°-180°	912.6	100.0

**Coefficient of Utilization**

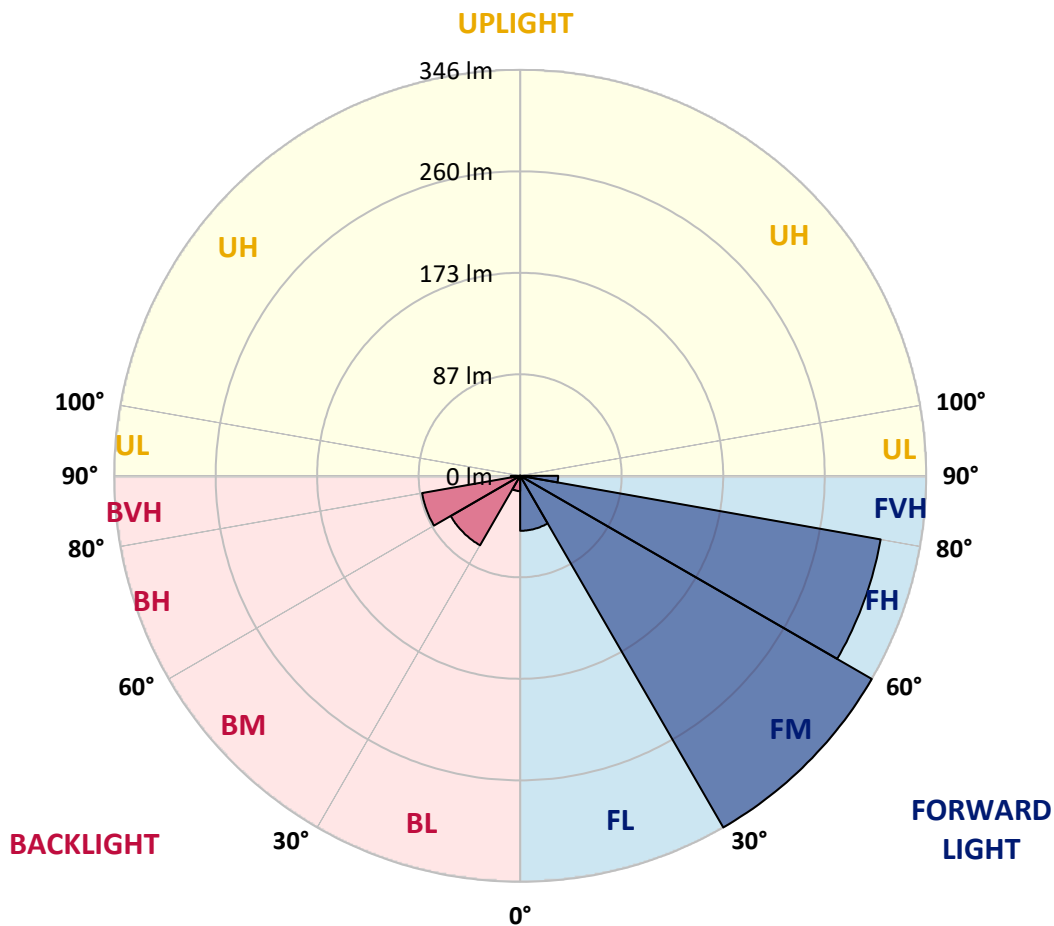


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	46.9	5.1			
FM (30°-60°)	346.5	38.0			
FH (60°-80°)	312.4	34.2			G0/660
FVH (80°-90°)	32.4	3.5			G1/100
BL (0°-30°)	13.1	1.4	B0/110		
BM (30°-60°)	68.5	7.5	B0/220		
BH (60°-80°)	85.0	9.3	B0/110		G0/110
BVH (80°-90°)	7.9	0.9			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°	39	39	39	39	39	39	39	39	39	39	39
2.5°	45	45	45	44	44	43	42	41	41	40	39
5°	52	52	51	51	49	48	46	44	44	42	40
7.5°	61	61	60	58	55	52	49	47	46	44	41
10°	71	71	69	65	61	57	53	49	49	46	42
12.5°	85	84	80	75	69	64	59	54	52	49	44
15°	105	103	97	89	80	72	66	59	57	52	46
17.5°	134	133	123	110	96	85	75	65	63	56	49
20°	159	158	150	138	121	106	89	76	72	63	53
22.5°	179	178	172	162	147	129	108	89	85	73	59
25°	196	195	189	180	168	151	130	106	100	85	66
27.5°	217	216	211	198	186	171	151	125	118	100	75
30°	242	242	236	223	205	190	171	146	139	118	89
32.5°	288	285	270	250	227	208	191	168	161	139	104
35°	320	318	305	279	252	228	211	190	183	160	122
37.5°	334	332	325	304	277	249	231	212	206	183	143
40°	343	342	334	320	297	271	251	233	228	205	165
42.5°	348	347	340	328	310	291	273	254	250	229	187
45°	350	349	344	331	320	307	292	276	273	252	210
47.5°	352	351	347	338	327	318	310	296	293	278	234
50°	365	364	357	348	337	334	330	318	313	298	257
52.5°	371	370	363	352	347	349	352	341	335	318	282
55°	389	387	376	361	355	361	372	367	363	343	305
57.5°	388	387	379	365	359	369	387	391	388	366	327
60°	379	378	373	360	357	371	397	410	408	389	348
62.5°	364	364	360	348	348	367	398	419	420	405	363
65°	345	345	341	333	333	355	391	420	421	412	371
67.5°	322	322	319	311	312	336	375	410	413	407	369
70°	294	294	292	284	286	311	352	388	393	391	355
72.5°	260	261	256	250	253	282	320	355	361	362	328
75°	227	226	222	215	220	242	278	312	317	319	290
77.5°	189	190	185	177	181	203	230	258	262	264	237
80°	147	147	144	135	138	157	178	195	200	199	175
82.5°	101	101	99	91	93	106	122	127	129	126	109
85°	49	49	49	44	45	47	55	49	51	46	41
87.5°	2	2	3	3	2	1	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°	39	39	39	39	39	39	39	39	39	39	39
2.5°	39	38	37	36	36	35	35	34	34	34	34
5°	39	38	37	35	34	33	32	32	31	31	31
7.5°	40	39	36	34	33	31	30	30	29	29	29
10°	41	39	36	34	32	30	29	28	27	27	27
12.5°	42	40	37	34	31	29	28	27	26	26	26
15°	43	41	36	33	30	28	27	25	24	24	24
17.5°	45	42	37	33	30	28	26	24	23	23	23
20°	49	45	39	34	30	28	25	23	22	22	22
22.5°	54	48	41	35	31	27	25	23	21	21	21
25°	59	53	43	36	31	27	24	22	20	20	20
27.5°	67	58	46	38	32	27	24	21	20	19	19
30°	76	65	50	39	32	27	24	21	19	18	18
32.5°	89	75	54	42	34	28	23	20	18	18	17
35°	104	87	60	44	35	28	23	20	18	17	17
37.5°	122	102	69	47	36	28	23	20	18	17	17
40°	141	119	79	53	37	29	23	20	18	17	17
42.5°	162	137	92	60	40	30	24	20	18	17	17
45°	184	157	105	67	44	31	24	20	18	17	16
47.5°	206	178	120	77	49	33	25	20	18	17	16
50°	228	199	136	87	54	34	25	20	17	17	16
52.5°	250	219	151	96	60	37	26	20	17	16	16
55°	275	239	167	106	65	40	26	20	17	16	16
57.5°	296	257	182	115	71	43	26	19	17	16	15
60°	317	280	195	124	76	45	26	19	16	15	15
62.5°	333	296	207	131	79	47	27	18	15	14	14
65°	342	305	214	135	81	48	27	17	14	13	13
67.5°	342	306	216	135	81	47	26	16	13	12	12
70°	330	297	210	131	78	45	25	14	12	11	11
72.5°	306	275	196	122	72	41	23	13	10	10	10
75°	268	240	173	107	63	36	20	11	9	8	8
77.5°	219	198	140	86	51	30	17	10	7	7	7
80°	162	144	102	63	36	22	13	7	5	5	5
82.5°	98	86	60	35	21	13	8	5	3	3	3
85°	36	31	20	9	6	4	3	2	2	1	1
87.5°	1	1	1	1	1	1	1	0	0	0	0
90°	0	0	0	0	0	0	0	0	0	0	0

(END OF REPORT)