

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: G2-2108-353-2

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

Test Date: 9/27/2021

Test Information

Test Method: LM-79-08
Report Number: G2-2108-353-2
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-A
Description: LUXESCAPE OUTDOOR ARCHITECTURAL LUMINAIRE
NARROW BAND AMBER LEDS AND TYPE III OPTIC, ARM MOUNT
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 935.7 lumens
Efficiency: N/A
Efficacy: 27.5 lumens/watt
Luminous Opening: Circular (Dia: 1.67' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B0 - U0 - G1

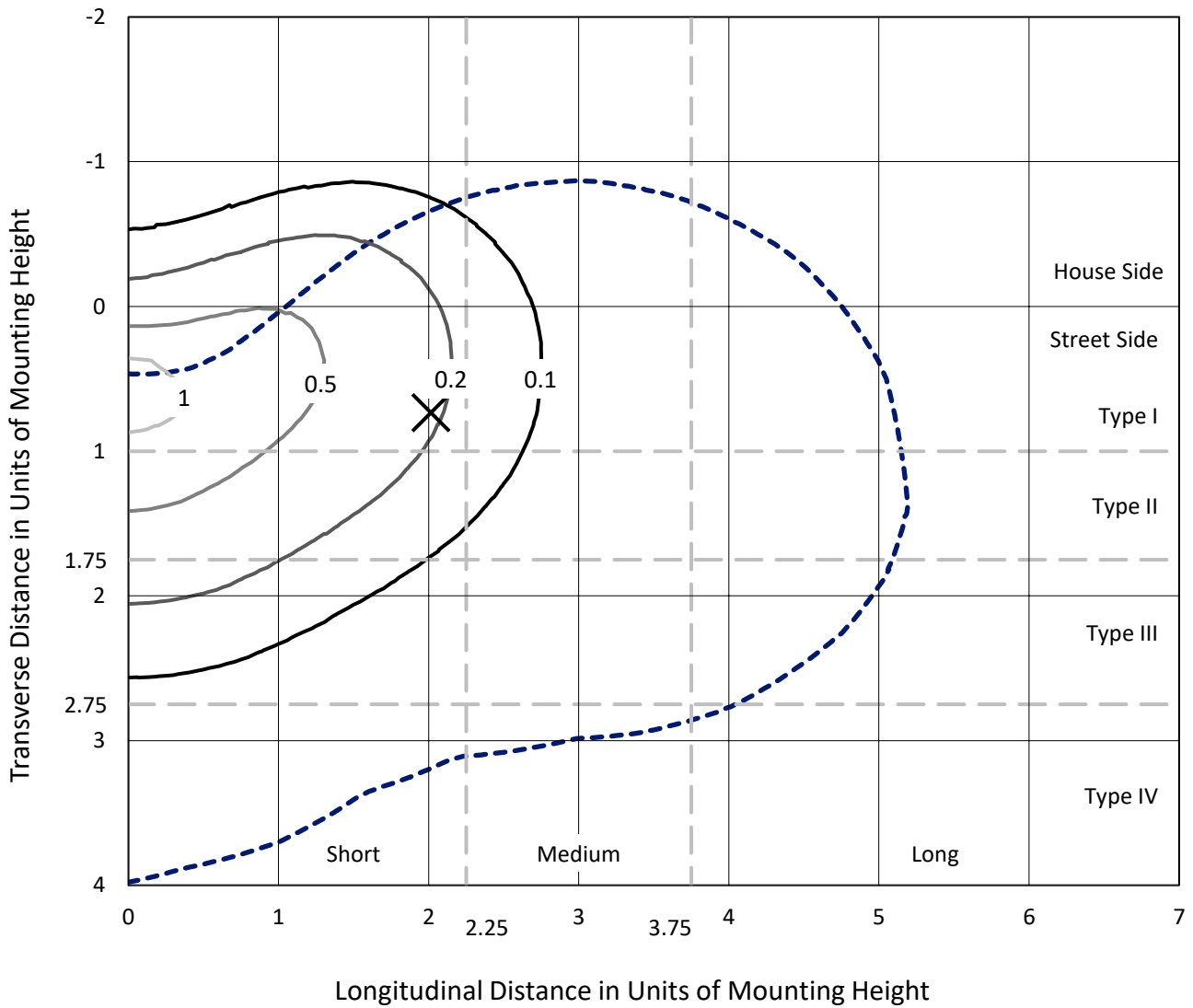
Input Watts (W): 34
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

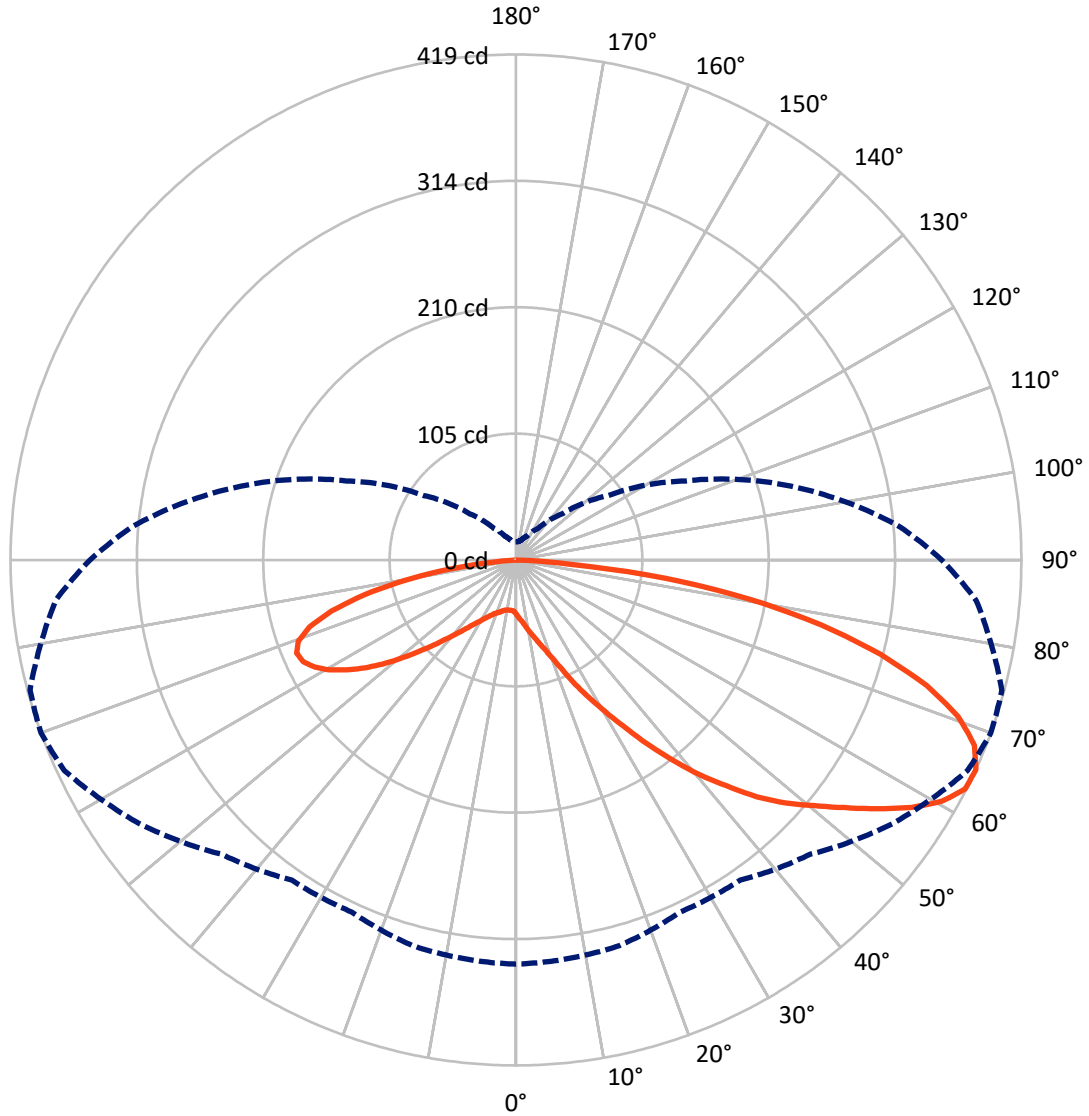
✕ Max cd
 - - - 1/2 Max cd



Based on 12 foot mounting height. Maximum calculated value = 1.2 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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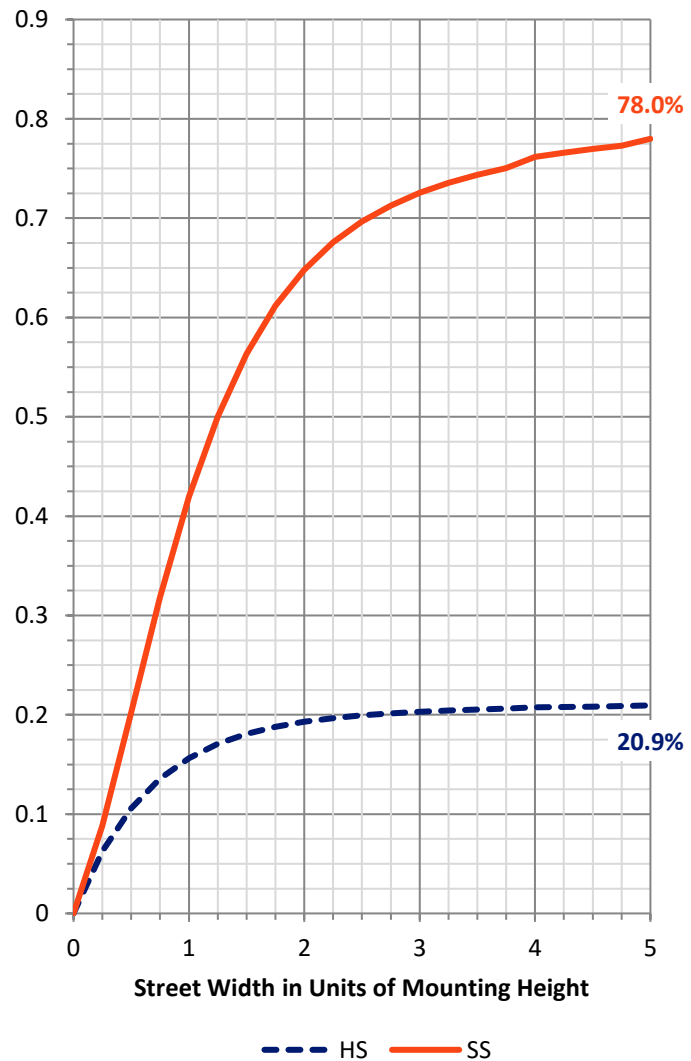
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	197.1	0.0	197.1
	% Fixture	21.1	0.0	21.1
Street Side	Lumens	738.6	0.0	738.6
	% Fixture	78.9	0.0	78.9
Total	Lumens	935.7	0.0	935.7
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	4.7	0.5
10°-20°	19.0	2.0
20°-30°	45.9	4.9
30°-40°	87.9	9.4
40°-50°	139.8	14.9
50°-60°	196.9	21.0
60°-70°	227.6	24.3
70°-80°	173.6	18.6
80°-90°	40.2	4.3
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°	935.7	100.0
0°-180°	935.7	100.0

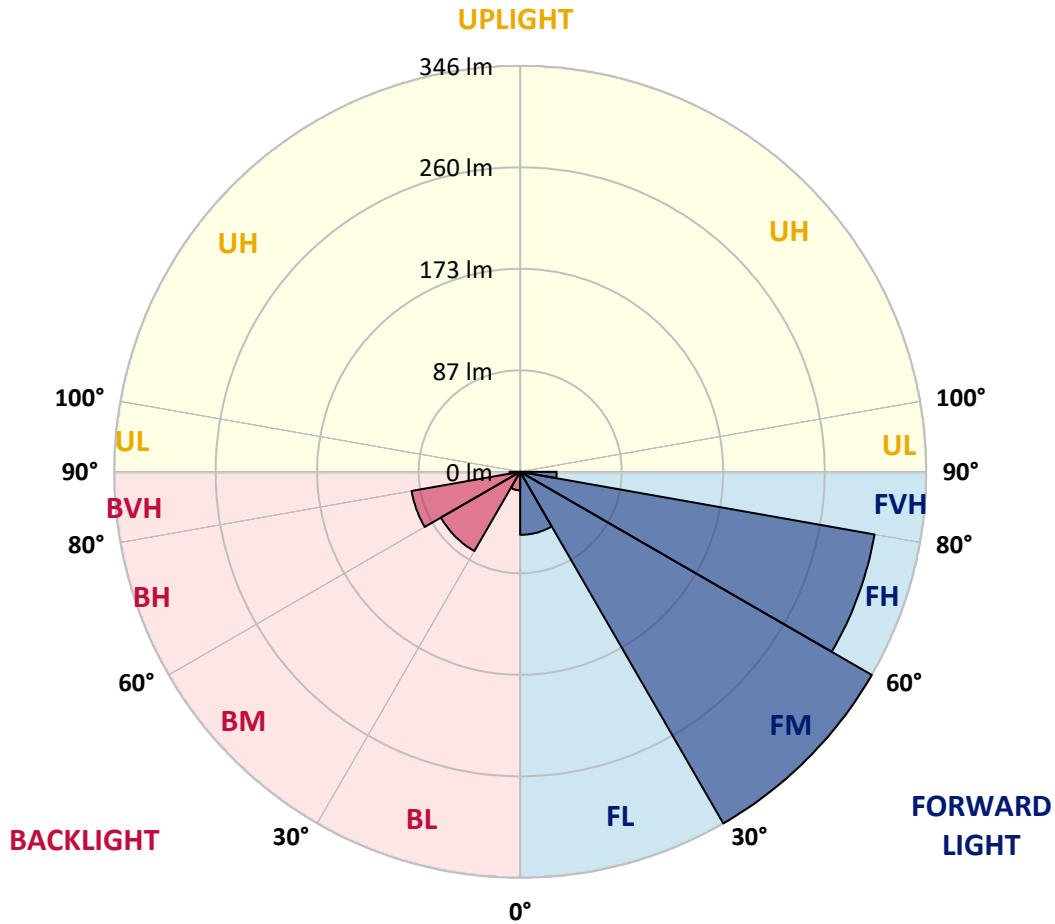


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	53.8	5.8			
FM (30°-60°)	346.5	37.0			
FH (60°-80°)	307.1	32.8			G0/660
FVH (80°-90°)	31.2	3.3			G1/100
BL (0°-30°)	15.8	1.7	B0/110		
BM (30°-60°)	78.1	8.4	B0/220		
BH (60°-80°)	94.1	10.1	B0/110		G0/110
BVH (80°-90°)	9.1	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°	45	45	45	45	45	45	45	45	45	45	45
2.5°	53	53	52	52	51	51	50	49	48	47	46
5°	62	61	60	60	58	57	55	53	51	50	48
7.5°	72	72	70	69	66	64	61	57	55	54	50
10°	84	83	81	80	76	72	67	62	60	57	53
12.5°	99	98	95	92	87	82	76	68	65	62	55
15°	122	120	116	110	102	93	85	76	71	67	59
17.5°	156	154	147	135	122	109	96	85	78	73	63
20°	179	178	173	162	147	129	111	95	87	81	68
22.5°	196	195	191	182	169	150	129	109	99	91	75
25°	210	208	205	198	187	169	148	124	114	103	83
27.5°	225	223	220	212	202	187	168	141	129	117	93
30°	245	242	239	229	218	204	186	160	146	133	105
32.5°	281	276	266	250	235	221	205	181	165	152	120
35°	311	307	297	275	255	238	225	203	187	172	137
37.5°	325	322	314	297	275	256	245	225	210	194	157
40°	334	331	324	310	291	274	263	246	234	217	178
42.5°	339	337	330	318	303	289	281	269	256	240	200
45°	340	338	333	321	311	302	296	290	280	265	224
47.5°	343	340	337	328	318	311	310	309	301	289	246
50°	354	352	345	337	327	325	328	327	320	310	269
52.5°	361	359	352	342	337	339	347	349	341	332	293
55°	378	375	365	350	346	351	364	372	364	356	316
57.5°	378	375	367	354	349	359	379	392	387	380	339
60°	368	367	361	349	346	361	387	407	406	399	359
62.5°	354	352	350	337	338	357	389	415	418	413	375
65°	335	334	331	322	324	345	381	413	419	417	383
67.5°	312	312	309	301	303	328	367	402	410	410	380
70°	285	286	283	272	278	304	344	380	389	391	365
72.5°	255	251	249	241	246	273	312	349	356	360	338
75°	222	218	215	208	213	236	272	304	312	317	297
77.5°	186	183	177	170	175	196	227	253	259	261	242
80°	145	142	138	129	134	150	175	191	196	195	179
82.5°	100	97	94	86	90	101	117	124	125	121	111
85°	49	47	44	41	43	45	50	49	45	45	40
87.5°	1	1	1	1	1	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°	45	45	45	45	45	45	45	45	45	45	45
2.5°	45	45	43	42	42	41	40	40	39	39	39
5°	46	45	43	41	40	38	37	36	36	36	35
7.5°	48	46	43	41	38	37	35	34	33	33	33
10°	50	48	44	40	38	35	33	32	31	31	30
12.5°	52	50	45	40	37	34	32	30	29	29	29
15°	55	52	46	41	37	33	31	29	28	27	27
17.5°	59	55	48	42	37	33	30	28	27	26	26
20°	63	58	50	43	37	33	29	27	25	25	25
22.5°	69	62	52	44	38	33	29	26	24	24	23
25°	75	67	55	46	38	33	28	25	23	22	22
27.5°	83	74	59	48	39	33	28	25	22	21	21
30°	93	82	64	50	40	33	28	24	21	20	20
32.5°	105	91	70	53	42	34	27	23	21	20	19
35°	120	103	76	57	44	34	27	23	20	19	19
37.5°	137	117	85	61	46	35	28	23	20	19	19
40°	156	133	94	67	49	36	28	23	20	18	18
42.5°	176	151	106	73	52	38	29	23	20	18	18
45°	197	171	120	80	56	40	29	23	20	18	18
47.5°	219	192	135	89	60	41	30	23	20	18	18
50°	241	213	152	99	65	43	31	23	19	18	18
52.5°	265	234	170	110	70	46	32	23	19	18	18
55°	287	254	187	121	75	48	32	24	19	18	17
57.5°	309	276	203	131	80	50	33	23	19	17	17
60°	328	295	217	142	86	52	33	23	18	17	16
62.5°	344	310	228	150	90	54	33	22	18	16	16
65°	353	319	236	155	93	54	32	22	17	15	15
67.5°	352	319	238	157	93	53	31	20	16	14	14
70°	340	309	231	154	91	51	29	19	14	13	13
72.5°	315	287	216	144	86	47	27	17	13	11	11
75°	275	250	189	128	76	42	23	15	11	10	9
77.5°	224	203	155	105	64	35	19	12	9	8	8
80°	164	147	112	78	48	26	15	9	7	6	6
82.5°	97	86	66	47	30	17	10	6	5	4	4
85°	32	28	23	16	12	7	4	3	2	2	2
87.5°	0	0	0	1	1	0	0	0	0	0	0
90°	0	0	0	0	0	0	0	0	0	0	0

(END OF REPORT)