

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: G2-2108-353-5

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

Test Date: 9/23/2021

Test Information

Test Method: LM-79-08
Report Number: G2-2108-353-5
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-C
Description: LUXESCAPE OUTDOOR ARCHITECTURAL LUMINAIRE
NARROW BAND AMBER LEDS AND TYPE II OPTIC, CANTILEVER MOUNT
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 704 lumens
Efficiency: N/A
Efficacy: 20.7 lumens/watt
Luminous Opening: Circular (Dia: 1.67' x H: 0')
IES Classification: Type II - Short
BUG Rating: B1 - U0 - G1

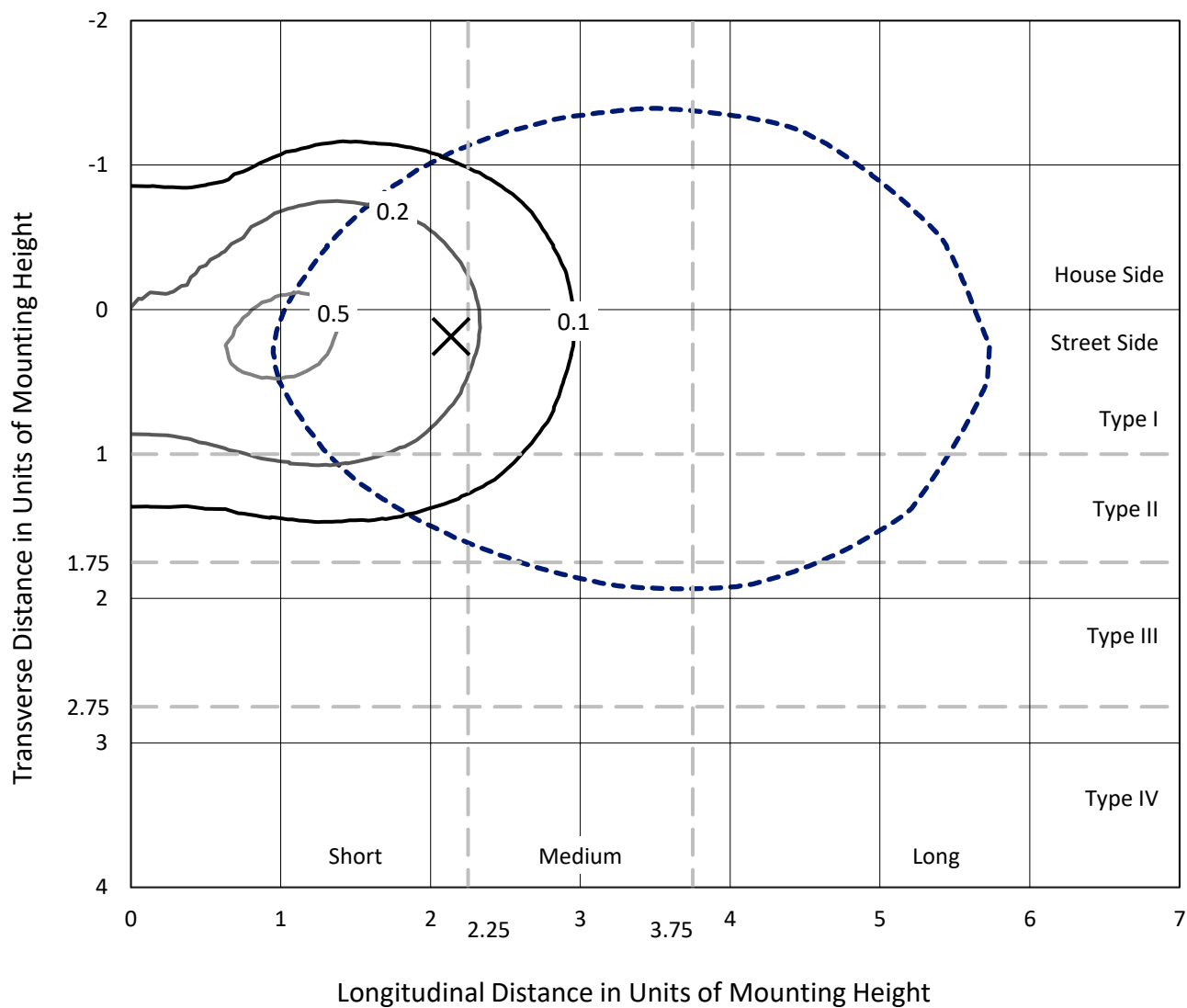
Input Watts (W): 34
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

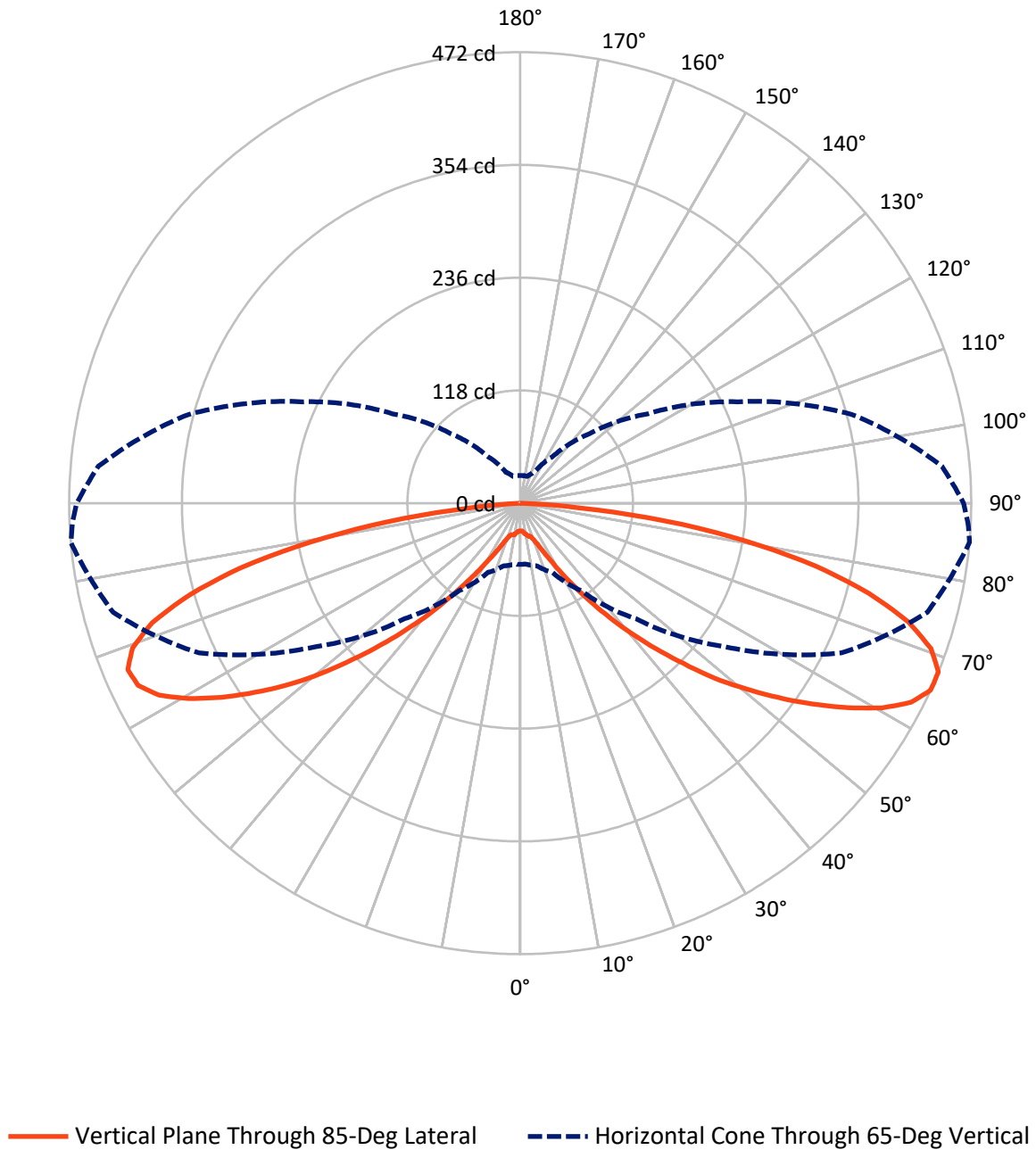
✕ Max cd
 - - - 1/2 Max cd



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



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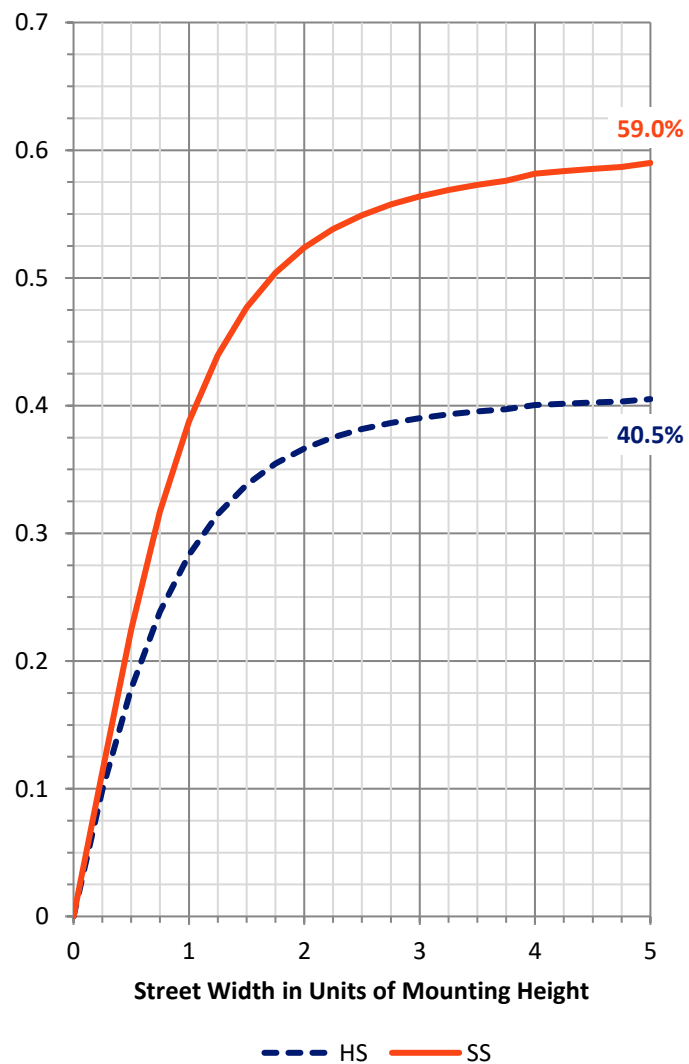
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	286.5	0.0	286.5
	% Fixture	40.7	0.0	40.7
Street Side	Lumens	417.5	0.0	417.5
	% Fixture	59.3	0.0	59.3
Total	Lumens	704.0	0.0	704.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	2.9	0.4
10°-20°	9.9	1.4
20°-30°	22.2	3.2
30°-40°	47.9	6.8
40°-50°	90.7	12.9
50°-60°	147.6	21.0
60°-70°	190.4	27.0
70°-80°	155.8	22.1
80°-90°	36.5	5.2
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°	704.0	100.0
0°-180°	704.0	100.0

Coefficient of Utilization



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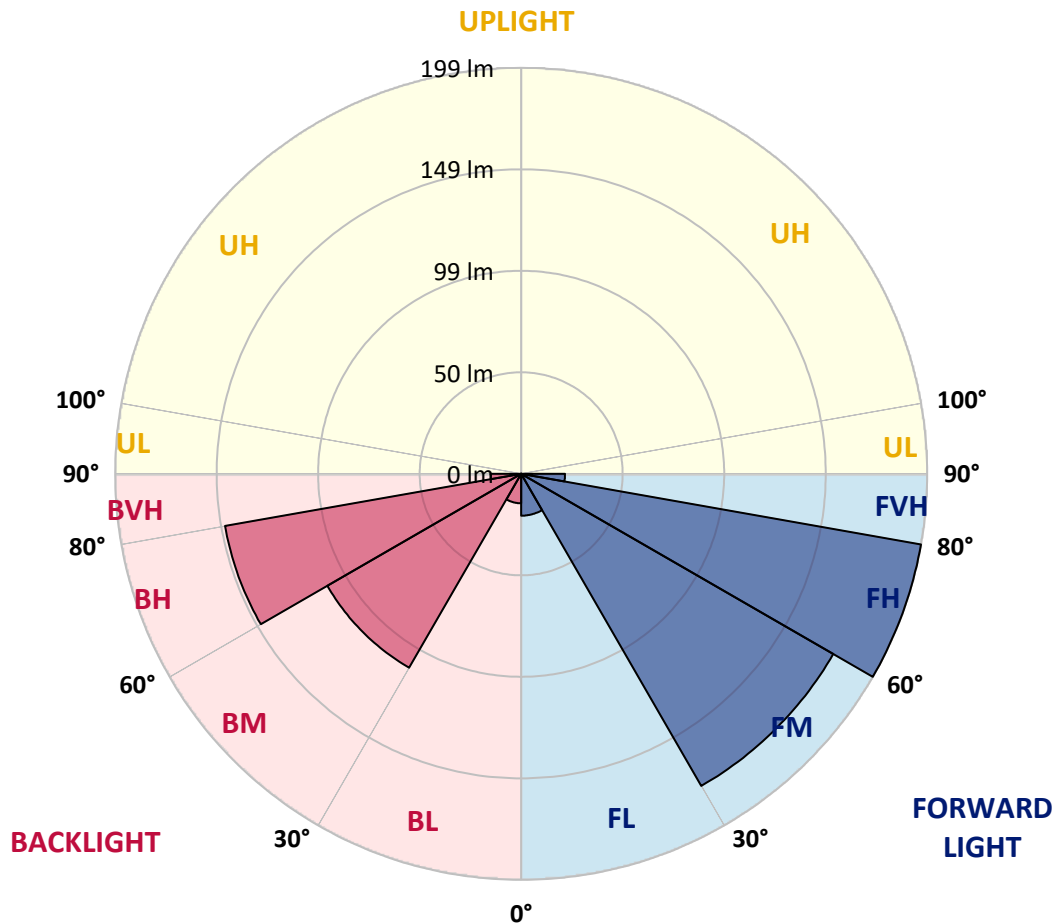
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	20.5	2.9			
FM	(30°-60°)	176.6	25.1			
FH	(60°-80°)	198.9	28.3			G0/660
FVH	(80°-90°)	21.5	3.1			G1/100
BL	(0°-30°)	14.4	2.1	B0/110		
BM	(30°-60°)	109.7	15.6	B0/220		
BH	(60°-80°)	147.3	20.9	B1/500		G1/500
BVH	(80°-90°)	15.0	2.1			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°	85°	87.5°
0°	29	29	29	29	29	29	29	29	29	29	29
2.5°	29	29	29	29	30	30	30	29	29	29	29
5°	31	30	31	31	31	31	31	31	31	30	30
7.5°	32	32	32	32	32	32	32	32	32	32	32
10°	33	33	33	33	34	34	34	34	34	33	33
12.5°	34	34	34	35	35	36	36	36	36	35	35
15°	36	36	36	37	38	39	39	39	37	36	36
17.5°	40	40	39	40	41	41	41	40	39	37	37
20°	43	43	44	45	46	47	47	46	44	41	41
22.5°	45	46	47	49	51	53	55	54	52	47	46
25°	48	48	49	51	56	60	64	65	62	56	54
27.5°	50	50	51	55	60	68	76	79	75	67	65
30°	53	53	55	59	66	77	90	96	93	84	80
32.5°	59	59	60	64	73	85	103	114	113	103	98
35°	63	63	65	69	79	95	118	133	135	126	120
37.5°	65	65	68	74	85	105	132	154	160	151	146
40°	66	66	69	77	91	113	146	176	186	179	173
42.5°	67	67	70	79	96	121	160	198	214	208	202
45°	66	67	71	80	99	129	174	220	241	239	233
47.5°	67	67	71	81	103	138	188	240	271	274	264
50°	68	68	73	83	107	146	202	263	299	305	299
52.5°	68	69	73	85	111	154	216	286	328	338	333
55°	71	71	74	87	115	163	232	308	358	371	365
57.5°	71	71	75	87	118	171	247	331	387	404	399
60°	69	69	74	86	119	175	258	352	413	435	430
62.5°	67	67	71	84	116	175	264	366	432	459	455
65°	64	64	68	80	112	171	262	371	441	472	469
67.5°	59	59	63	74	106	165	255	365	441	472	470
70°	54	54	57	68	98	155	242	348	425	456	455
72.5°	48	48	51	61	89	141	223	321	395	425	424
75°	42	42	44	53	77	124	199	284	351	377	377
77.5°	35	35	37	43	64	103	166	236	292	316	316
80°	27	27	28	33	48	79	127	183	220	239	239
82.5°	19	19	19	22	32	52	83	120	143	154	154
85°	10	9	10	11	14	24	36	49	59	61	64
87.5°	2	2	2	2	2	2	2	2	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°	29	29	29	29	29	29	29	29	29	29	29
2.5°	29	29	29	29	29	29	29	28	28	28	28
5°	30	30	30	30	29	29	29	28	28	28	28
7.5°	32	31	31	31	30	30	29	29	29	28	28
10°	33	33	32	32	31	30	30	29	29	28	28
12.5°	35	34	33	32	32	31	30	29	29	28	28
15°	35	34	33	32	31	30	30	29	29	28	28
17.5°	36	35	33	32	31	31	31	30	29	29	29
20°	40	38	36	34	33	32	31	30	29	29	29
22.5°	45	43	39	36	34	33	32	30	30	29	29
25°	53	50	44	39	36	34	33	31	30	30	29
27.5°	62	59	50	43	39	36	34	32	30	30	30
30°	77	70	59	49	42	38	35	33	31	31	30
32.5°	94	85	67	55	45	39	36	33	31	31	31
35°	114	103	79	61	49	41	37	34	32	31	31
37.5°	139	125	95	69	54	44	38	35	33	32	32
40°	166	151	114	82	60	47	39	36	34	33	33
42.5°	195	178	137	97	68	52	42	36	34	33	33
45°	226	208	160	115	80	57	44	37	35	34	34
47.5°	259	240	186	133	92	63	46	37	35	34	34
50°	294	275	213	153	104	69	49	38	35	34	34
52.5°	328	309	243	173	116	77	51	38	35	34	34
55°	362	341	274	192	129	85	54	39	35	34	34
57.5°	394	373	301	211	141	92	56	39	34	33	33
60°	425	403	326	228	151	97	58	39	33	33	32
62.5°	449	428	346	242	159	101	60	38	31	31	31
65°	464	443	359	251	163	103	60	36	29	29	29
67.5°	466	446	365	253	162	101	59	34	27	27	27
70°	452	433	357	247	157	97	57	32	24	24	24
72.5°	421	405	336	232	147	89	52	29	22	21	21
75°	372	359	297	208	130	79	46	26	18	18	18
77.5°	312	300	247	173	109	65	39	22	15	14	15
80°	233	223	184	129	80	48	29	17	11	10	11
82.5°	144	140	118	78	48	28	18	11	7	6	6
85°	56	54	45	27	15	8	6	4	3	2	2
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

(END OF REPORT)