

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: G2-2108-353-1

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

Test Date: 9/23/2021

Test Information

Test Method: LM-79-08
Report Number: G2-2108-353-1
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-A
Description: LUXESCAPE OUTDOOR ARCHITECTURAL LUMINAIRE
NARROW BAND AMBER LEDS AND TYPE II OPTIC, ARM MOUNT
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 740.8 lumens
Efficiency: N/A
Efficacy: 21.8 lumens/watt
Luminous Opening: Circular (Dia: 1.67' x H: 0')
IES Classification: Type II - Short
BUG Rating: B1 - U0 - G1

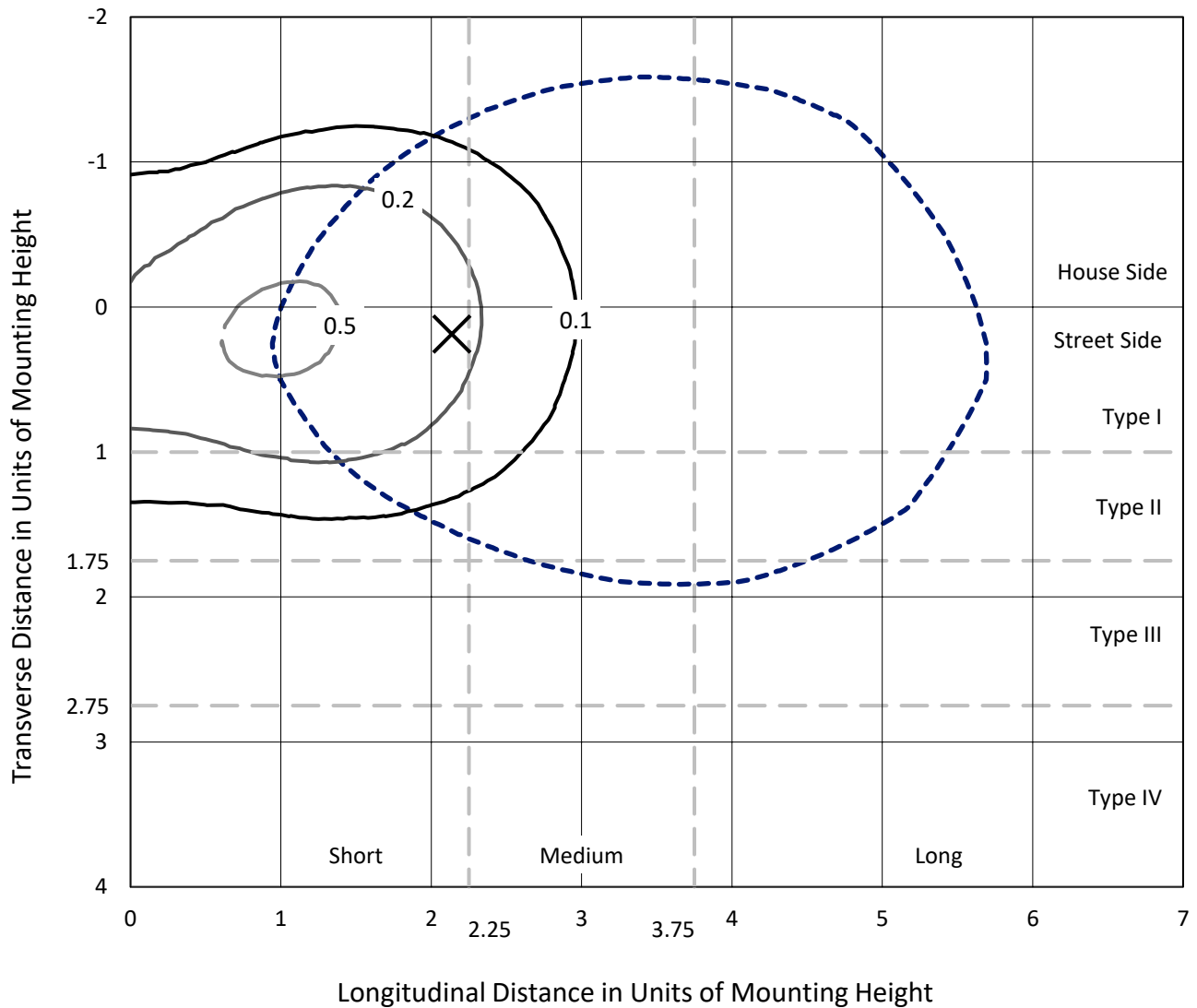
Input Watts (W): 34
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

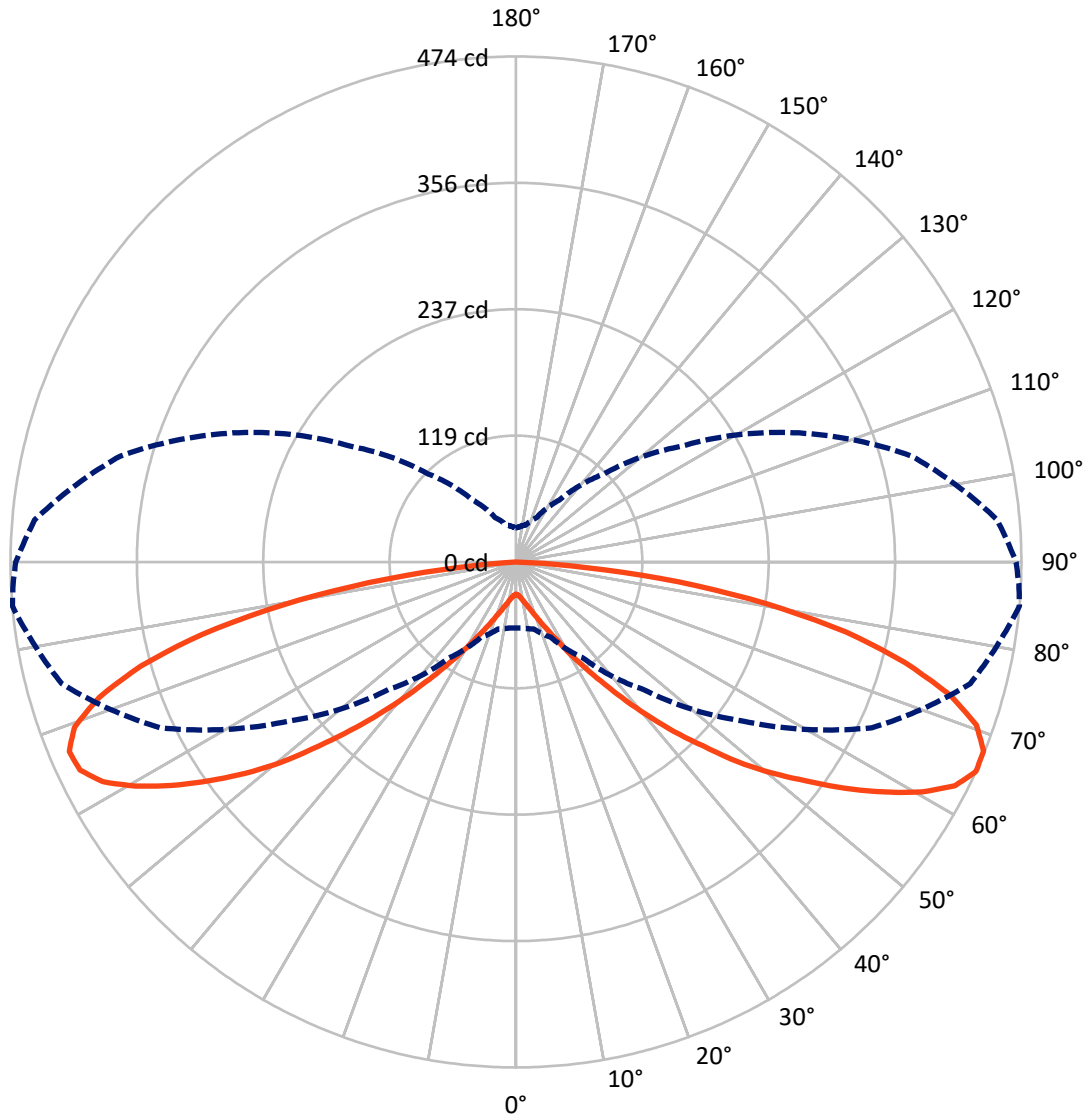
✕ Max cd
 - - - 1/2 Max cd



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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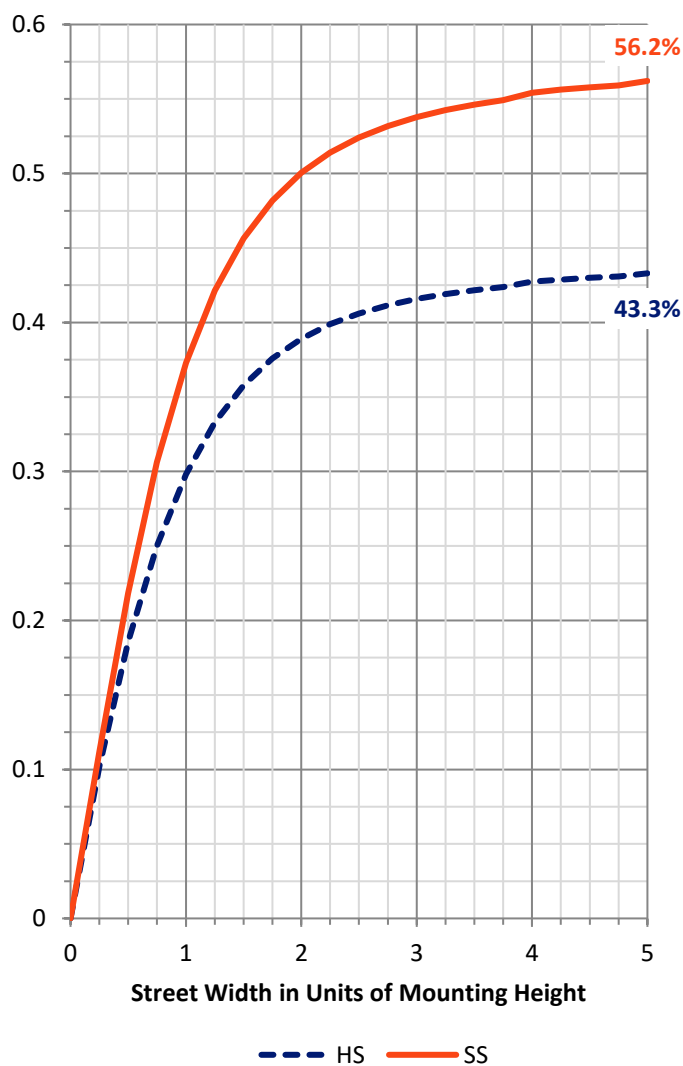
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	322.6	0.0	322.6
	% Fixture	43.5	0.0	43.5
Street Side	Lumens	418.2	0.0	418.2
	% Fixture	56.5	0.0	56.5
Total	Lumens	740.8	0.0	740.8
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	3.1	0.4
10°-20°	11.3	1.5
20°-30°	26.0	3.5
30°-40°	52.8	7.1
40°-50°	96.4	13.0
50°-60°	153.9	20.8
60°-70°	197.4	26.6
70°-80°	161.7	21.8
80°-90°	38.2	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°	740.8	100.0
0°-180°	740.8	100.0

Coefficient of Utilization

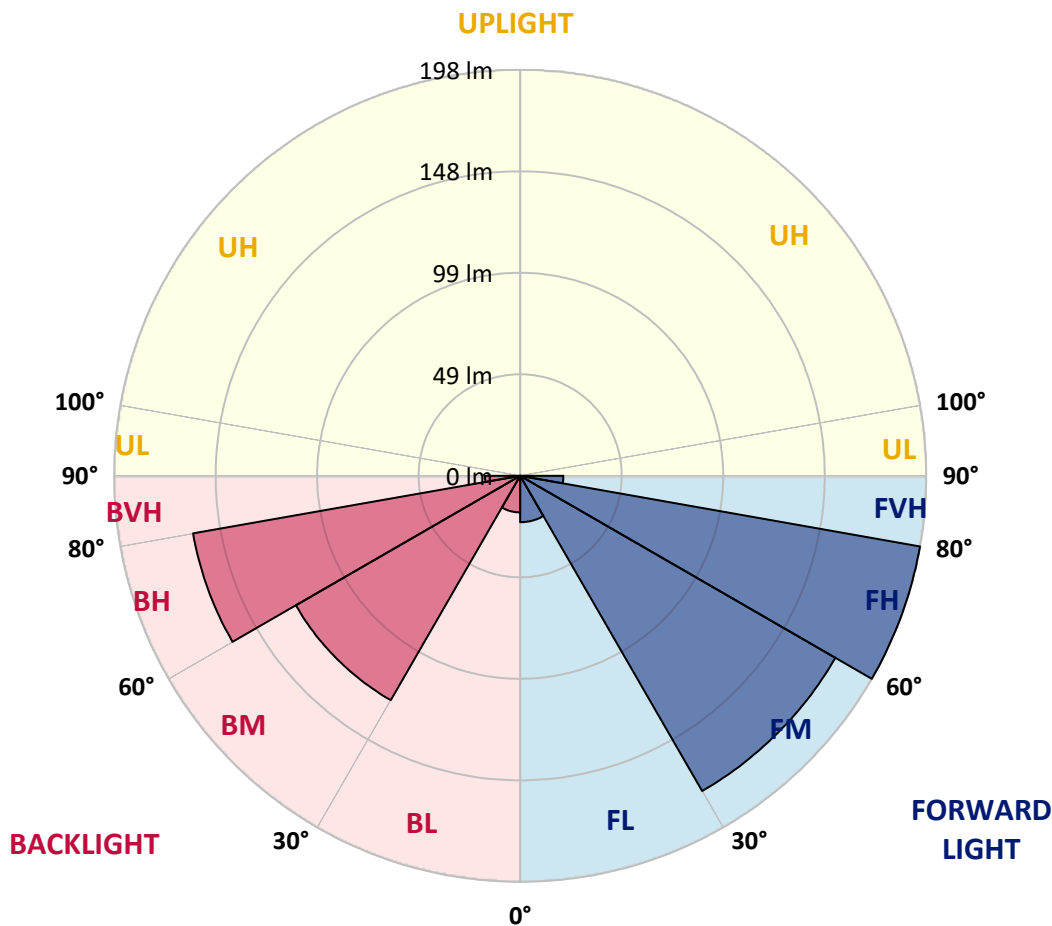


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	22.6	3.0			
FM (30°-60°)	177.1	23.9			
FH (60°-80°)	197.5	26.7			G0/660
FVH (80°-90°)	21.0	2.8			G1/100
BL (0°-30°)	17.8	2.4	B0/110		
BM (30°-60°)	126.0	17.0	B0/220		
BH (60°-80°)	161.6	21.8	B1/500		G1/500
BVH (80°-90°)	17.2	2.3			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°	30	30	30	30	30	30	30	30	30	30	30
2.5°	31	31	31	31	31	31	31	31	31	31	31
5°	32	32	32	32	32	32	32	32	32	32	32
7.5°	33	33	33	33	34	34	34	34	34	34	34
10°	34	34	34	34	35	36	37	37	37	37	37
12.5°	35	35	35	36	37	38	40	40	40	40	40
15°	37	37	37	39	40	42	43	44	45	44	44
17.5°	41	41	41	42	44	46	48	50	50	49	49
20°	45	45	45	47	49	51	55	56	57	55	55
22.5°	47	47	48	50	54	57	63	65	65	63	62
25°	49	49	50	53	58	64	71	75	75	72	71
27.5°	51	51	52	56	62	71	81	87	88	84	82
30°	53	53	55	60	67	78	92	101	103	100	97
32.5°	57	57	59	64	73	87	105	117	121	117	113
35°	61	61	63	69	79	96	120	135	142	137	133
37.5°	63	63	66	73	85	105	133	155	165	161	155
40°	64	65	67	75	90	113	147	177	191	188	182
42.5°	65	65	69	77	94	121	161	199	218	217	212
45°	65	65	69	78	97	128	175	220	245	246	241
47.5°	65	66	69	79	100	136	187	240	272	280	275
50°	66	66	71	81	105	144	201	263	302	311	307
52.5°	67	67	71	83	109	152	214	285	330	341	339
55°	69	69	73	85	112	160	230	307	360	375	371
57.5°	69	69	73	85	115	168	245	331	389	407	403
60°	67	68	72	84	116	173	256	351	414	438	433
62.5°	65	65	69	82	114	173	261	364	433	462	458
65°	62	62	65	78	110	169	260	368	441	474	472
67.5°	57	57	61	72	104	162	252	362	440	473	473
70°	52	52	55	66	97	153	240	345	424	458	459
72.5°	47	47	49	59	87	139	222	318	395	425	425
75°	40	41	43	51	75	122	197	283	349	377	379
77.5°	33	33	35	42	62	101	165	235	291	317	314
80°	26	26	27	32	47	77	126	179	220	239	238
82.5°	17	17	18	21	31	50	83	116	143	154	153
85°	8	8	9	10	14	22	35	49	57	65	59
87.5°	0	0	0	0	1	1	1	2	2	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°	30	30	30	30	30	30	30	30	30	30	30
2.5°	31	31	31	31	30	30	30	30	30	30	30
5°	32	32	32	31	31	31	30	30	30	30	30
7.5°	34	34	33	33	32	32	31	31	30	30	30
10°	37	36	36	35	34	33	32	31	31	30	30
12.5°	40	40	38	37	36	34	33	32	31	31	30
15°	44	43	42	40	38	36	34	33	32	31	31
17.5°	49	48	46	43	40	38	35	33	32	31	31
20°	55	53	51	47	43	40	37	34	33	32	32
22.5°	62	60	56	51	46	42	38	35	33	32	32
25°	71	68	62	56	50	44	39	36	34	32	32
27.5°	82	78	70	62	54	46	41	37	34	33	33
30°	95	90	79	68	58	50	42	37	34	33	33
32.5°	111	104	90	76	64	53	44	38	35	33	33
35°	130	121	103	85	69	56	46	39	35	34	34
37.5°	152	141	118	95	76	60	49	41	36	35	35
40°	179	165	136	107	84	65	51	42	38	36	35
42.5°	207	192	156	121	93	70	54	44	38	36	36
45°	236	221	180	138	104	76	57	45	39	37	36
47.5°	270	253	207	156	115	82	60	46	39	37	37
50°	303	289	236	176	126	88	62	47	40	37	37
52.5°	336	322	267	198	139	95	65	48	40	37	37
55°	369	353	297	219	152	101	68	49	40	37	37
57.5°	401	385	326	240	164	107	70	49	40	37	36
60°	429	414	350	259	176	112	71	49	39	36	36
62.5°	454	439	371	276	184	115	72	48	38	35	34
65°	469	453	384	287	189	117	71	46	36	33	32
67.5°	470	455	387	289	190	115	69	44	33	30	30
70°	457	442	380	284	185	111	65	41	31	28	27
72.5°	426	411	355	267	175	103	59	37	28	25	24
75°	378	365	315	238	157	92	52	32	24	21	21
77.5°	313	302	265	200	132	77	44	26	20	17	17
80°	234	224	198	150	101	59	34	20	15	13	13
82.5°	148	139	124	97	64	38	22	14	10	8	8
85°	59	52	47	35	26	17	11	6	5	4	3
87.5°	1	0	1	1	1	1	1	1	0	1	0
90°	0	0	0	0	0	0	0	0	0	0	0

(END OF REPORT)