

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: P553701

Luminaire Tested: **LXS-VA1-740-U-ASW-A**

Issue Date: 7/13/2021

Test Information

Test Method: LM-79-08
Report Number: P553701
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1803-687-22)
Test Lab: INNOVATION CENTER
Issue Date: 7/13/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: LXS-VA1-740-U-ASW-A
Description: LUXESCAPE OUTDOOR ARCHITECTURAL LUMINAIRE
70 CRI, 4000K LEDS AND TYPE III OPTIC, ARM MOUNT
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2509.1 lumens
Efficiency: N/A
Efficacy: 104.5 lumens/watt
Luminous Opening: Circular (Dia: 1.62' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B1 - U0 - G1

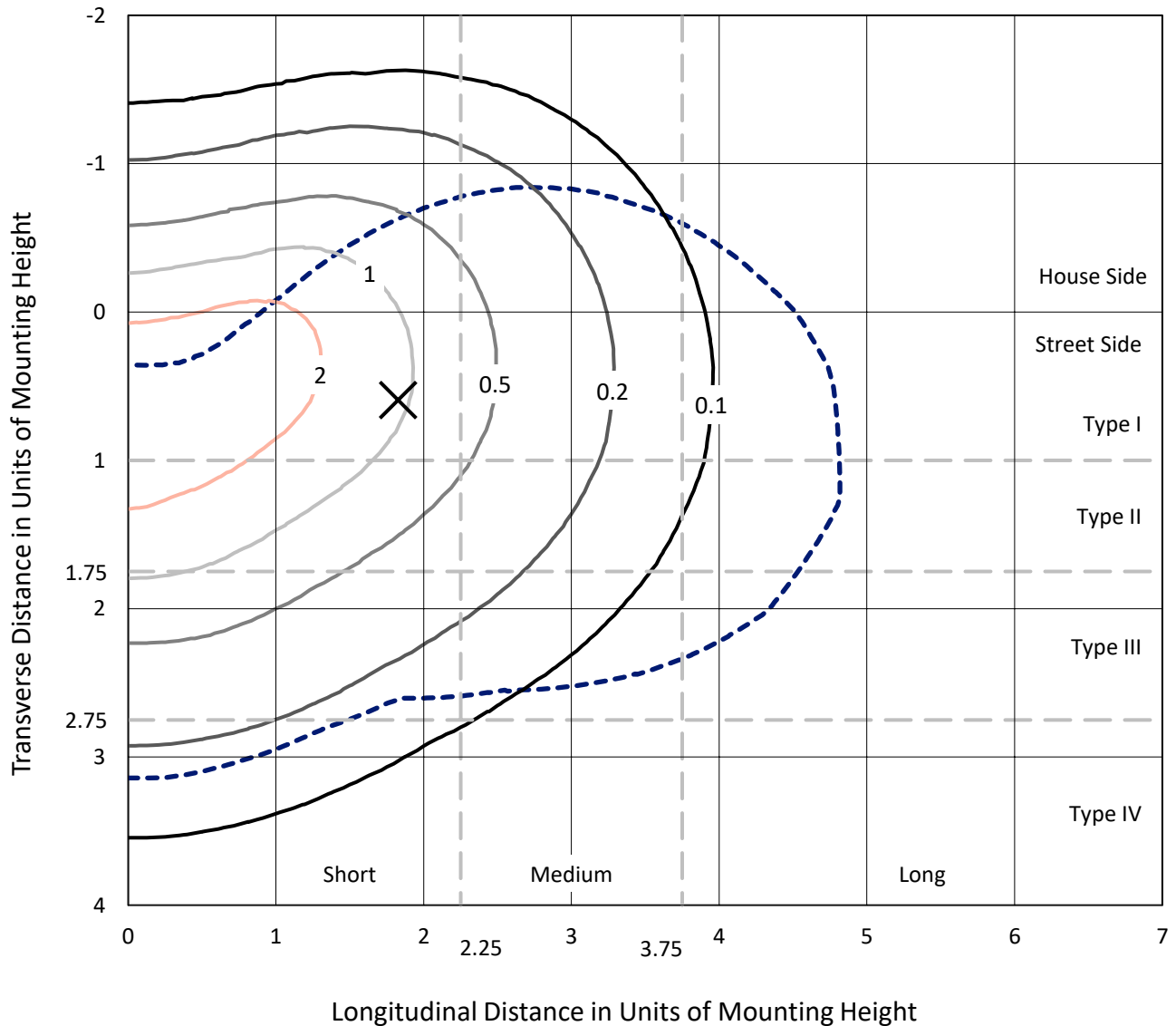
Input Watts (W): 24
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

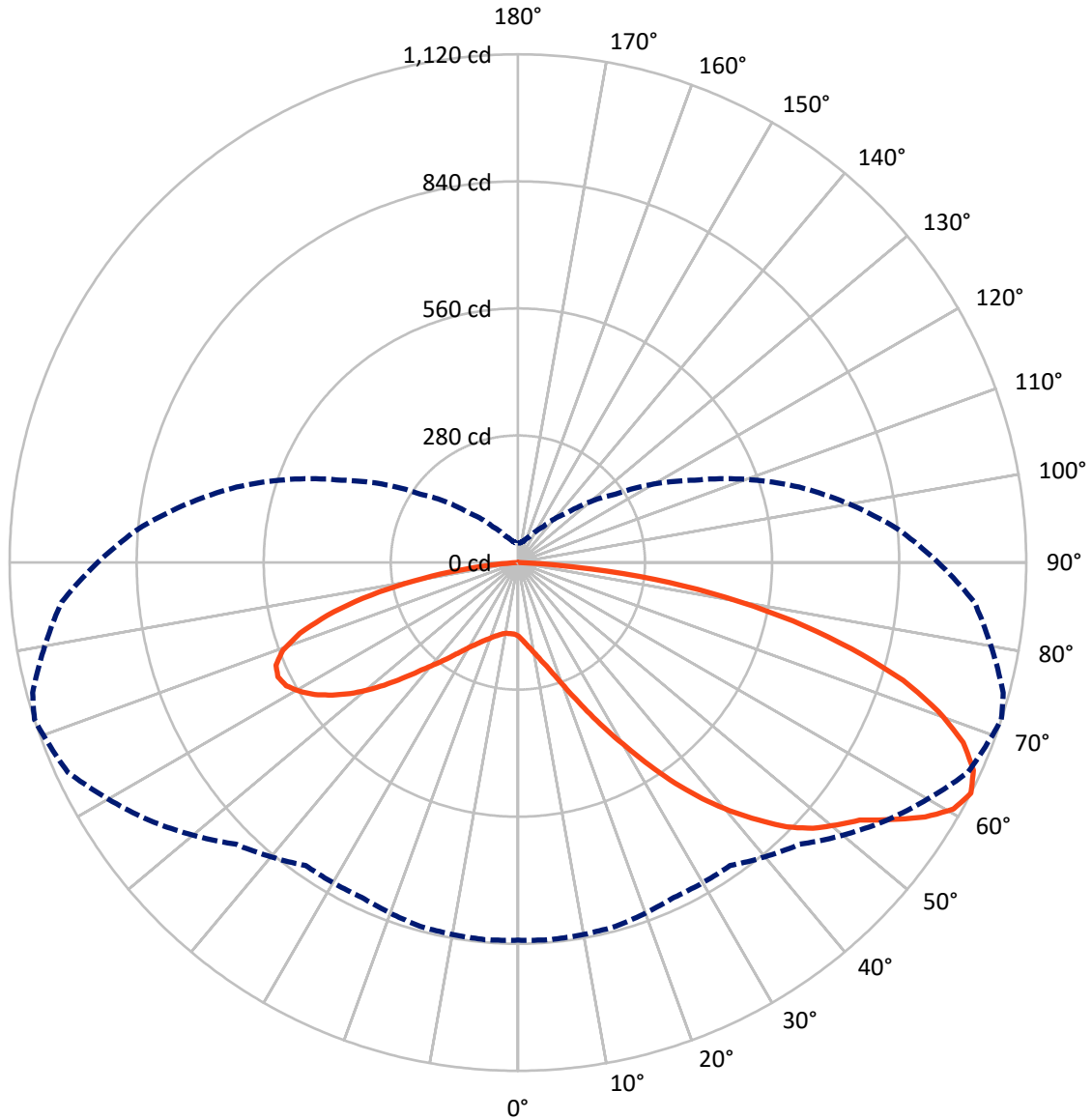
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 4.8 fc
 Type IV - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 72-Deg Lateral - - - Horizontal Cone Through 62.5-Deg Vertical

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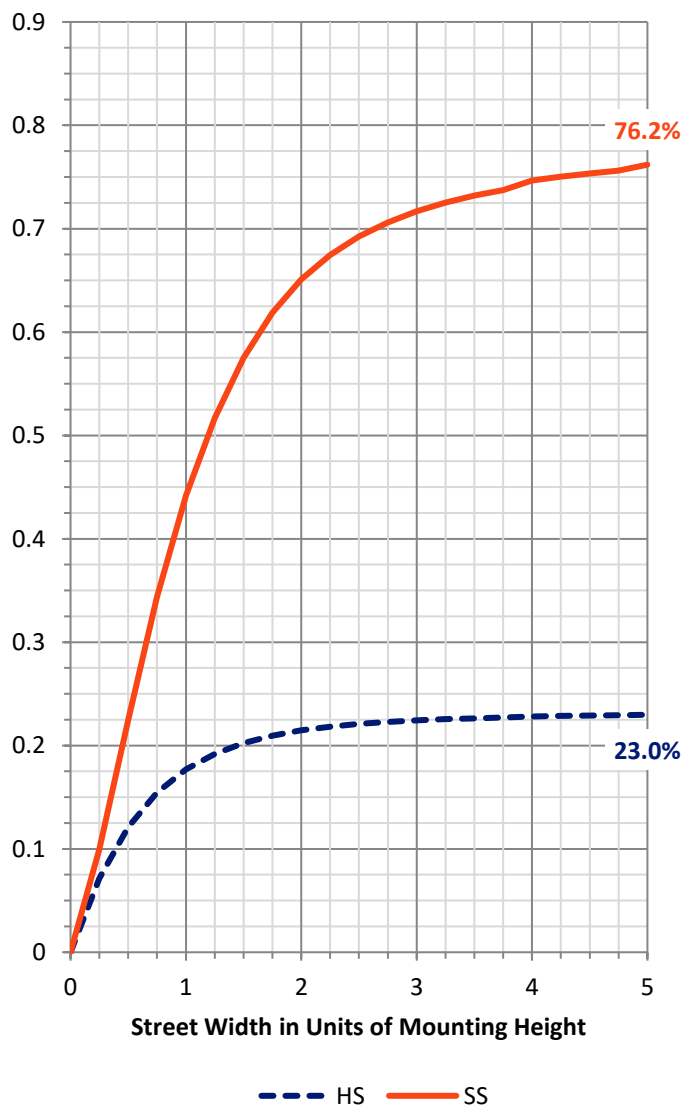
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	578.8	0.0	578.8
	% Fixture	23.1	0.0	23.1
Street Side	Lumens	1930.3	0.0	1930.3
	% Fixture	76.9	0.0	76.9
Total	Lumens	2509.1	0.0	2509.1
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	16.8	0.7
10°-20°	65.4	2.6
20°-30°	151.3	6.0
30°-40°	268.7	10.7
40°-50°	394.9	15.7
50°-60°	529.0	21.1
60°-70°	576.1	23.0
70°-80°	413.2	16.5
80°-90°	93.6	3.7
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°	2509.1	100.0
0°-180°	2509.1	100.0

Coefficient of Utilization



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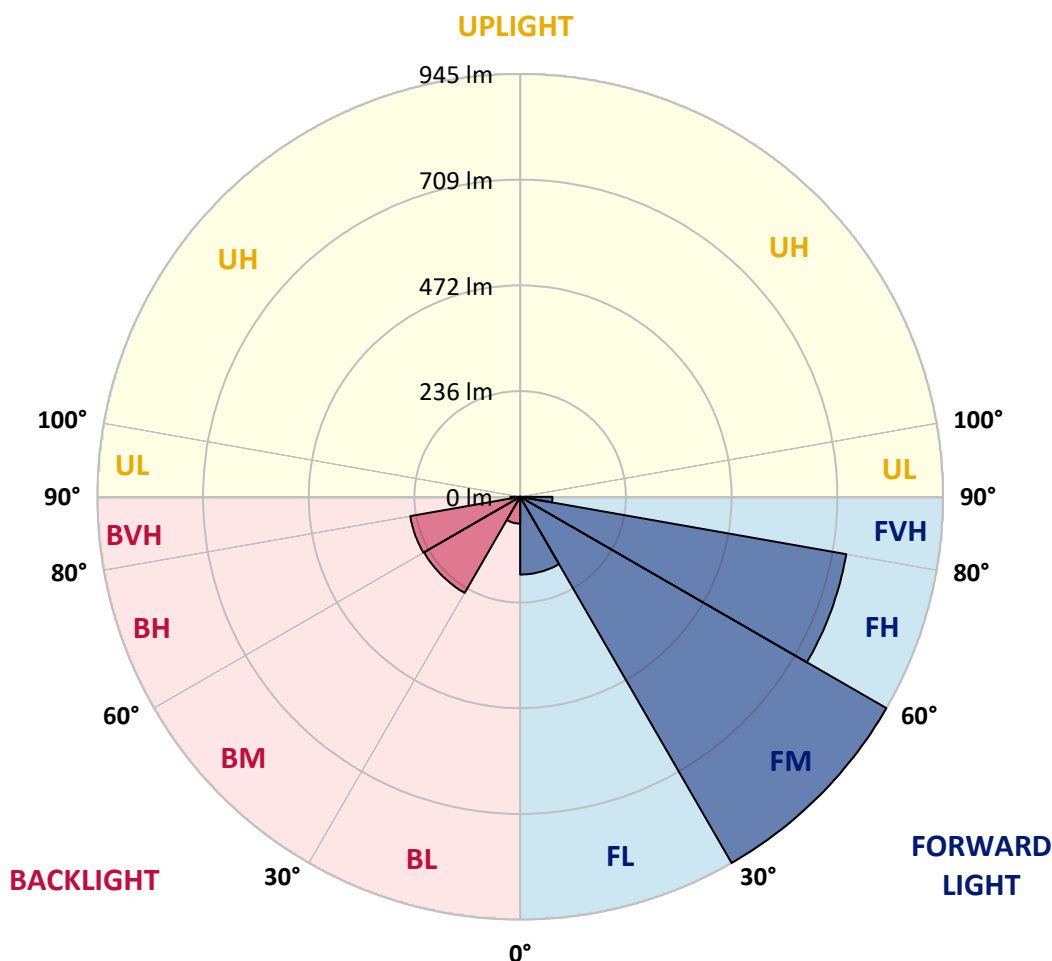
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	173.6	6.9			
FM	(30°-60°)	944.7	37.7			
FH	(60°-80°)	739.8	29.5			G1/1800
FVH	(80°-90°)	72.1	2.9			G1/100
BL	(0°-30°)	59.9	2.4	B0/110		
BM	(30°-60°)	247.9	9.9	B1/1000		
BH	(60°-80°)	249.5	9.9	B1/500		G1/500
BVH	(80°-90°)	21.5	0.9			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 IV Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	72°	75°	85°
0°	162	162	162	162	162	162	162	162	162	162	162
2.5°	184	184	184	183	181	178	176	172	170	169	166
5°	207	207	206	205	201	196	191	184	179	177	171
7.5°	234	234	232	228	223	216	207	197	190	187	177
10°	267	266	264	255	248	238	227	213	203	199	185
12.5°	307	308	303	294	282	266	249	232	219	213	194
15°	376	376	366	347	328	302	278	253	237	230	206
17.5°	520	513	495	443	396	354	318	282	261	250	220
20°	586	585	578	550	489	420	370	319	291	279	237
22.5°	605	604	599	590	564	490	427	365	327	312	260
25°	634	634	626	609	598	557	481	417	370	352	289
27.5°	653	653	652	642	620	604	539	472	418	397	326
30°	689	686	682	673	662	636	603	527	472	445	366
32.5°	787	780	749	713	699	676	659	584	533	503	413
35°	849	846	823	771	732	719	700	647	597	566	467
37.5°	869	867	851	818	771	753	740	707	660	631	526
40°	892	888	863	834	804	780	780	762	719	694	585
42.5°	879	881	865	835	818	802	814	811	775	756	643
45°	800	808	825	832	810	819	841	853	831	811	699
47.5°	799	797	811	813	816	833	863	889	875	860	752
50°	860	853	842	838	841	850	884	917	909	902	803
52.5°	900	892	857	848	855	876	921	953	943	939	852
55°	971	964	917	863	872	908	969	1003	999	984	900
57.5°	939	941	926	873	880	920	1004	1054	1058	1038	946
60°	881	883	880	855	859	909	1010	1091	1103	1083	986
62.5°	832	834	830	814	815	878	991	1094	1120	1107	1010
65°	757	764	771	755	763	833	949	1068	1103	1098	1013
67.5°	680	685	698	694	706	776	892	1017	1058	1057	989
70°	618	620	622	625	637	706	821	940	983	992	935
72.5°	553	554	549	545	558	630	735	840	888	896	849
75°	475	477	466	460	474	538	634	724	759	776	735
77.5°	401	394	384	374	387	442	523	595	620	630	599
80°	314	306	294	286	296	339	401	452	465	472	444
82.5°	216	209	197	189	198	229	271	297	305	308	277
85°	103	97	91	90	97	109	116	126	126	119	116
87.5°	0	0	0	0	0	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°	162	162	162	162	162	162	162	162	162	162	162
2.5°	164	162	159	157	154	152	151	150	149	148	148
5°	168	164	159	154	149	145	142	140	138	137	137
7.5°	173	168	160	152	145	140	135	132	130	129	129
10°	179	173	161	151	143	136	130	126	124	122	122
12.5°	187	179	164	152	142	133	126	121	118	116	115
15°	196	187	169	154	142	131	122	116	112	110	110
17.5°	208	197	175	157	142	129	119	112	107	105	105
20°	222	208	182	161	143	128	117	108	102	100	99
22.5°	239	223	190	166	144	127	114	104	98	94	94
25°	262	240	200	171	146	127	111	100	93	89	89
27.5°	291	262	212	177	149	126	109	96	88	84	83
30°	324	289	226	184	152	126	106	92	83	78	77
32.5°	363	321	244	193	155	126	103	87	78	72	72
35°	405	357	266	203	159	126	101	84	73	68	68
37.5°	456	399	292	213	163	126	99	81	70	66	65
40°	512	445	320	227	169	127	98	80	69	64	63
42.5°	567	496	352	243	177	131	99	79	67	61	61
45°	625	548	391	266	187	134	99	77	65	59	59
47.5°	677	599	435	291	196	137	98	75	63	57	57
50°	727	653	480	317	207	140	98	74	61	55	55
52.5°	774	702	522	344	219	145	99	72	59	54	53
55°	817	742	559	371	232	149	99	71	57	52	51
57.5°	859	779	593	396	244	153	99	69	55	49	49
60°	898	814	620	416	254	155	98	67	53	47	46
62.5°	926	841	642	429	263	156	96	64	49	43	43
65°	934	852	651	433	267	155	93	61	44	39	39
67.5°	915	839	643	430	262	149	87	56	38	35	35
70°	870	797	613	413	249	140	80	51	31	30	30
72.5°	793	726	559	380	228	126	71	44	25	25	26
75°	687	627	481	331	198	109	60	34	19	21	21
77.5°	558	504	386	269	160	88	47	24	14	16	16
80°	410	364	278	196	117	63	30	14	10	11	11
82.5°	251	218	165	119	68	34	15	6	5	6	6
85°	101	86	66	40	18	8	3	2	1	1	1
87.5°	1	1	1	1	0	0	0	0	0	0	0
90°	0	0	0	0	0	0	0	0	0	0	0

(END OF REPORT)