

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: STREETWORKS

Report Number: P507447

Luminaire Tested: **VERD-S-CA1-20-740-U-T1**

Issue Date: 3/30/2021

Test Information

Test Method: LM-79-08
Report Number: P507447
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2103-168-1)
Test Lab: INNOVATION CENTER
Issue Date: 3/30/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: VERD-S-CA1-20-740-U-T1
Description: VERDEON-S ROADWAY AND AREA LUMINAIRE
(1) 70 CRI, 4000K, 430mA LED AND TYPE I OPTIC
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3679.1 lumens
Efficiency: N/A
Efficacy: 157.2 lumens/watt
Luminous Opening: Rectangular (W 0.83' x L: 0.83' x H: 0')
IES Classification: Type I - Short
BUG Rating: B2 - U0 - G2

Input Watts (W): 23.4
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: 24 FT

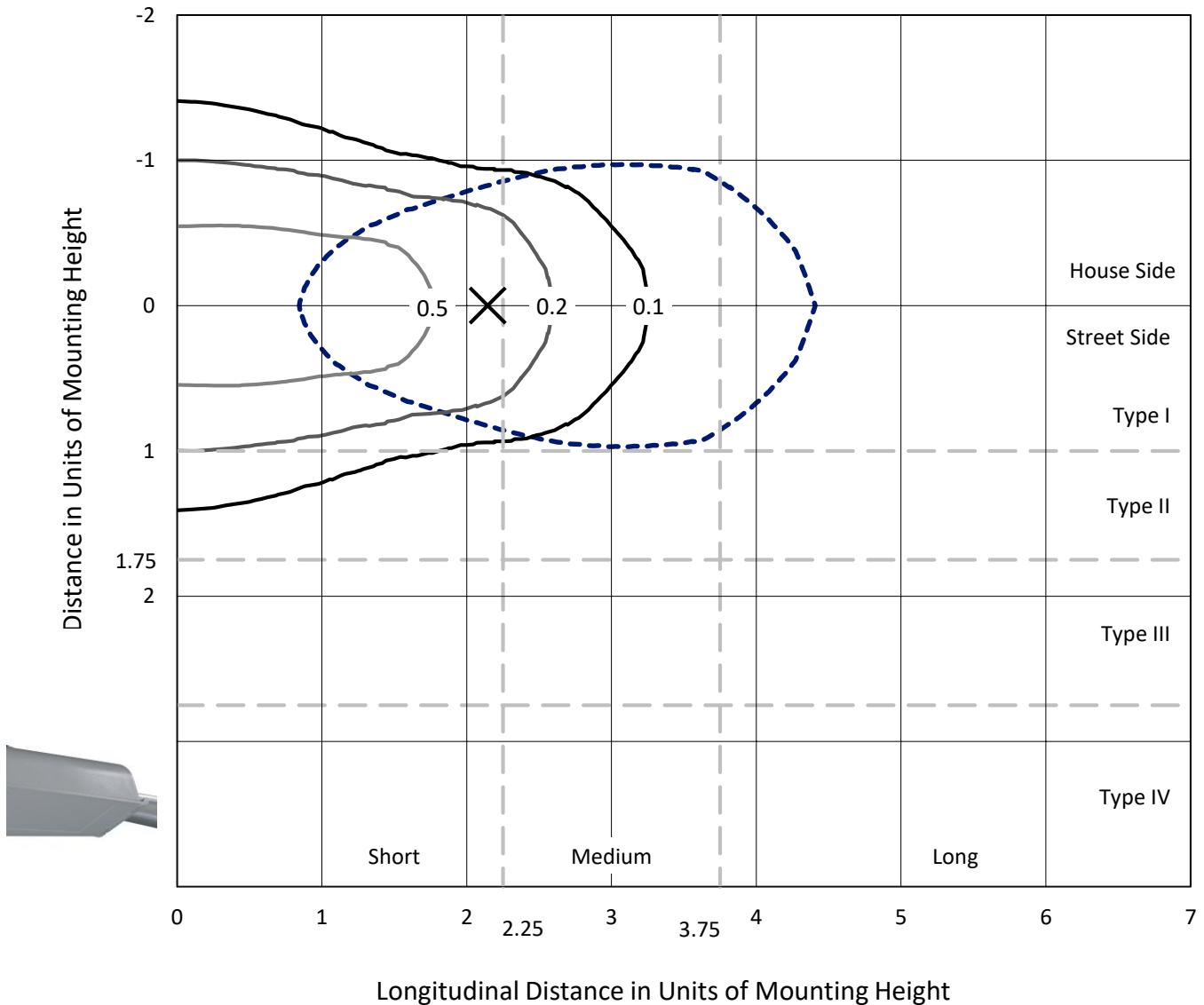


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Iso-Footcandle Lines of Horizontal Illumination

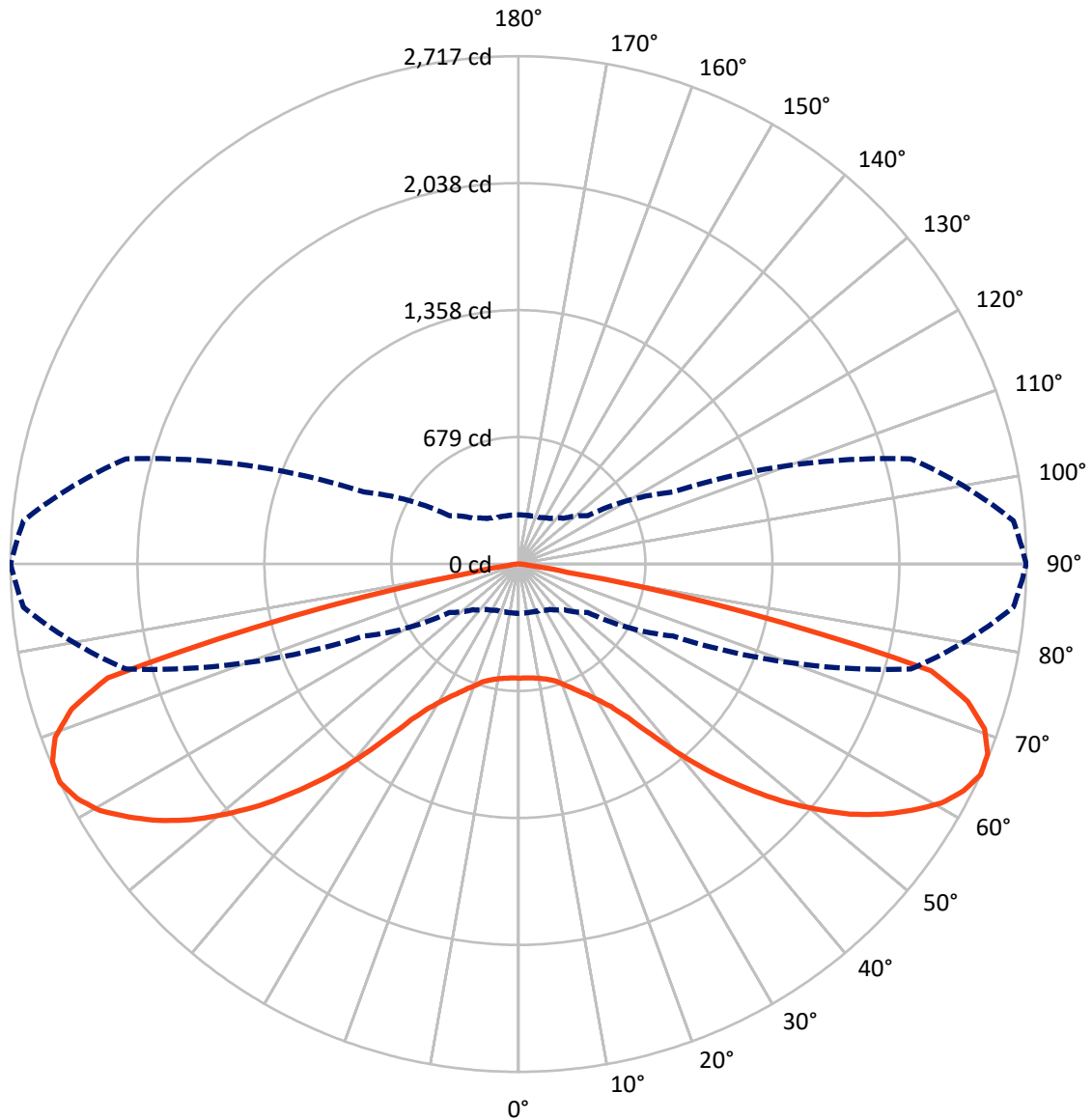
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1 fc
 Type I - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 90-Deg Lateral - - - Horizontal Cone Through 65-Deg Vertical

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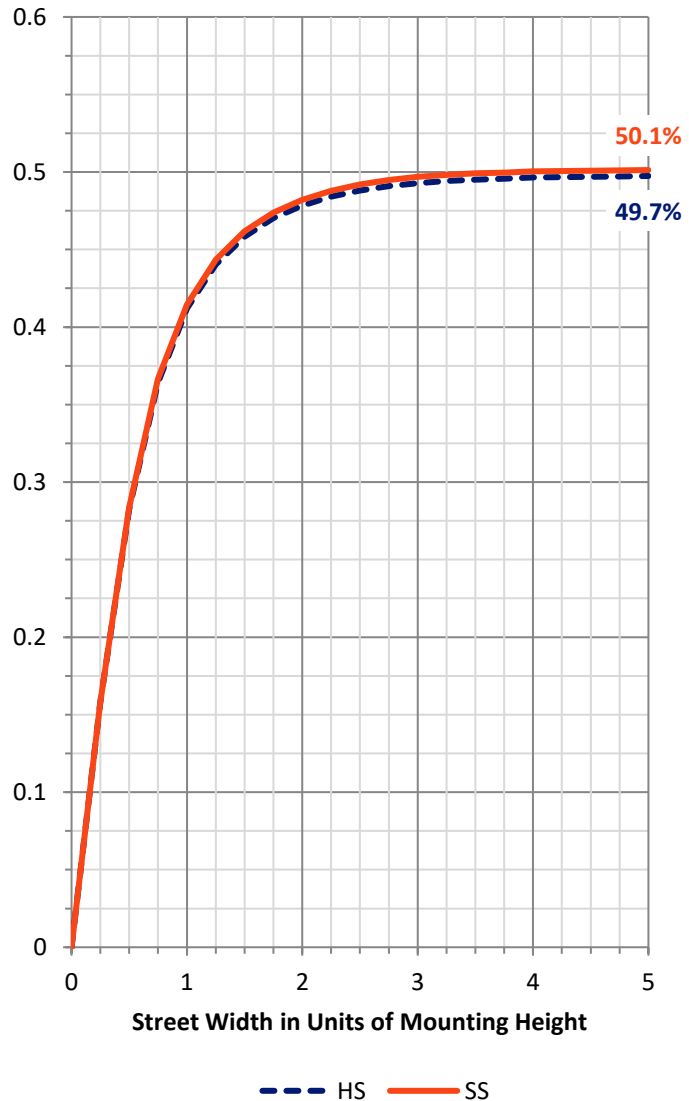
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1839.5	0.0	1839.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	1839.5	0.0	1839.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	3679.1	0.0	3679.1
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	58.5	1.6
10°-20°	174.5	4.7
20°-30°	289.0	7.9
30°-40°	418.3	11.4
40°-50°	605.4	16.5
50°-60°	788.0	21.4
60°-70°	832.4	22.6
70°-80°	489.9	13.3
80°-90°	23.1	0.6
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°	3679.1	100.0
0°-180°	3679.1	100.0

Coefficient of Utilization



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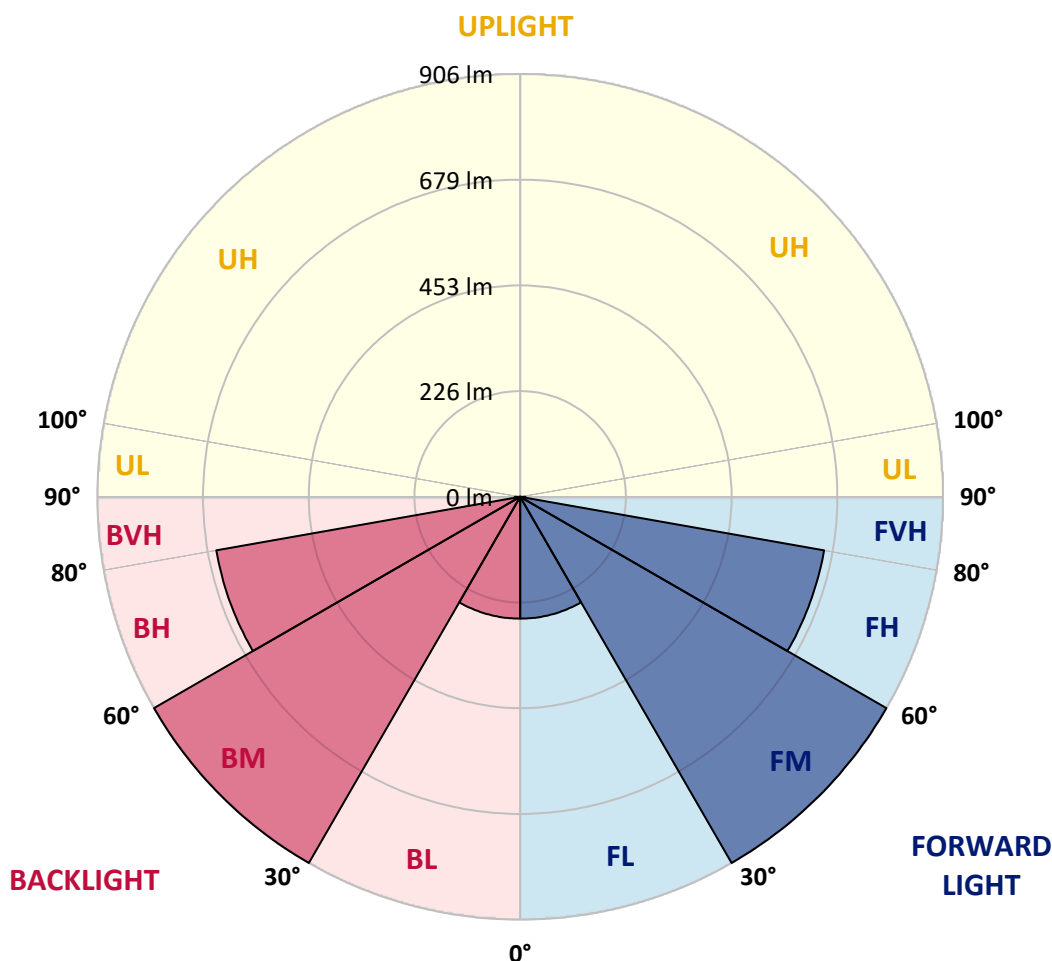
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	261.0	7.1			
FM (30°-60°)	905.9	24.6			
FH (60°-80°)	661.1	18.0			G1/1800
FVH (80°-90°)	11.6	0.3			G1/100
BL (0°-30°)	261.0	7.1	B1/500		
BM (30°-60°)	905.9	24.6	B1/1000		
BH (60°-80°)	661.1	18.0	B2/1000		G2/1000
BVH (80°-90°)	11.6	0.3			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G2

Type I Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	611	611	611	611	611	611	611	611	611	611	611
2.5°	613	613	614	613	613	613	613	612	611	610	610
5°	612	612	612	613	613	614	614	613	613	613	612
7.5°	608	609	609	610	611	613	614	615	616	616	616
10°	603	603	604	606	609	611	616	619	621	622	622
12.5°	595	595	597	601	607	613	619	625	629	631	631
15°	585	585	588	594	605	616	626	635	641	644	643
17.5°	570	570	574	585	602	620	637	648	657	660	660
20°	550	550	557	572	596	623	647	664	677	686	688
22.5°	525	525	536	557	586	621	654	683	706	716	717
25°	496	498	513	540	577	620	665	705	735	751	754
27.5°	469	471	490	524	568	621	675	729	772	791	794
30°	444	446	466	506	561	622	687	753	810	840	846
32.5°	422	424	444	487	551	623	702	785	859	904	909
35°	403	405	426	467	538	625	720	823	924	997	1009
37.5°	387	389	407	448	523	625	739	867	1009	1136	1158
40°	375	377	391	429	505	621	756	915	1110	1310	1346
42.5°	364	367	379	412	486	613	774	963	1229	1491	1534
45°	353	356	369	399	466	601	785	1010	1363	1675	1712
47.5°	346	346	357	385	447	580	788	1054	1501	1851	1894
50°	339	339	348	372	427	553	777	1096	1645	2018	2060
52.5°	330	329	338	360	408	519	751	1124	1792	2176	2223
55°	319	319	326	346	390	485	704	1137	1928	2313	2363
57.5°	307	306	313	329	370	452	641	1128	2039	2443	2485
60°	296	295	300	314	347	420	577	1079	2128	2550	2598
62.5°	282	282	286	297	325	384	513	1003	2172	2622	2673
65°	264	263	266	274	297	346	451	912	2173	2658	2717
67.5°	231	239	242	247	266	307	392	831	2095	2651	2708
70°	187	213	213	216	230	263	337	763	1922	2584	2645
72.5°	130	153	172	179	191	214	284	681	1624	2431	2513
75°	48	45	65	109	121	141	208	561	1313	2140	2280
77.5°	14	15	21	56	64	69	113	280	608	1095	1239
80°	12	12	15	18	21	34	37	104	200	262	263
82.5°	9	9	11	13	16	20	22	36	51	53	53
85°	6	6	7	8	10	12	13	15	19	32	34
87.5°	3	3	4	4	5	5	6	9	10	15	15
90°	0	0	0	0	0	0	0	0	0	0	0

(END OF REPORT)