

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: P509843

Luminaire Tested: **VERD-M-CA3-150-740-U-T1**

Issue Date: 4/6/2021

Test Information

Test Method: LM-79-08
Report Number: P509843
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2103-181-1)
Test Lab: INNOVATION CENTER
Issue Date: 4/6/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: VERD-M-CA3-150-740-U-T1
Description: VERDEON-M ROADWAY AND AREA LUMINAIRE
(3) 70 CRI, 4000K, 940mA LEDS AND TYPE I OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 23480.1 lumens
Efficiency: N/A
Efficacy: 153.5 lumens/watt
Luminous Opening: Rectangular (W 1.35' x L: 1.58' x H: 0')
IES Classification: Type I - Short
BUG Rating: B4 - U0 - G4

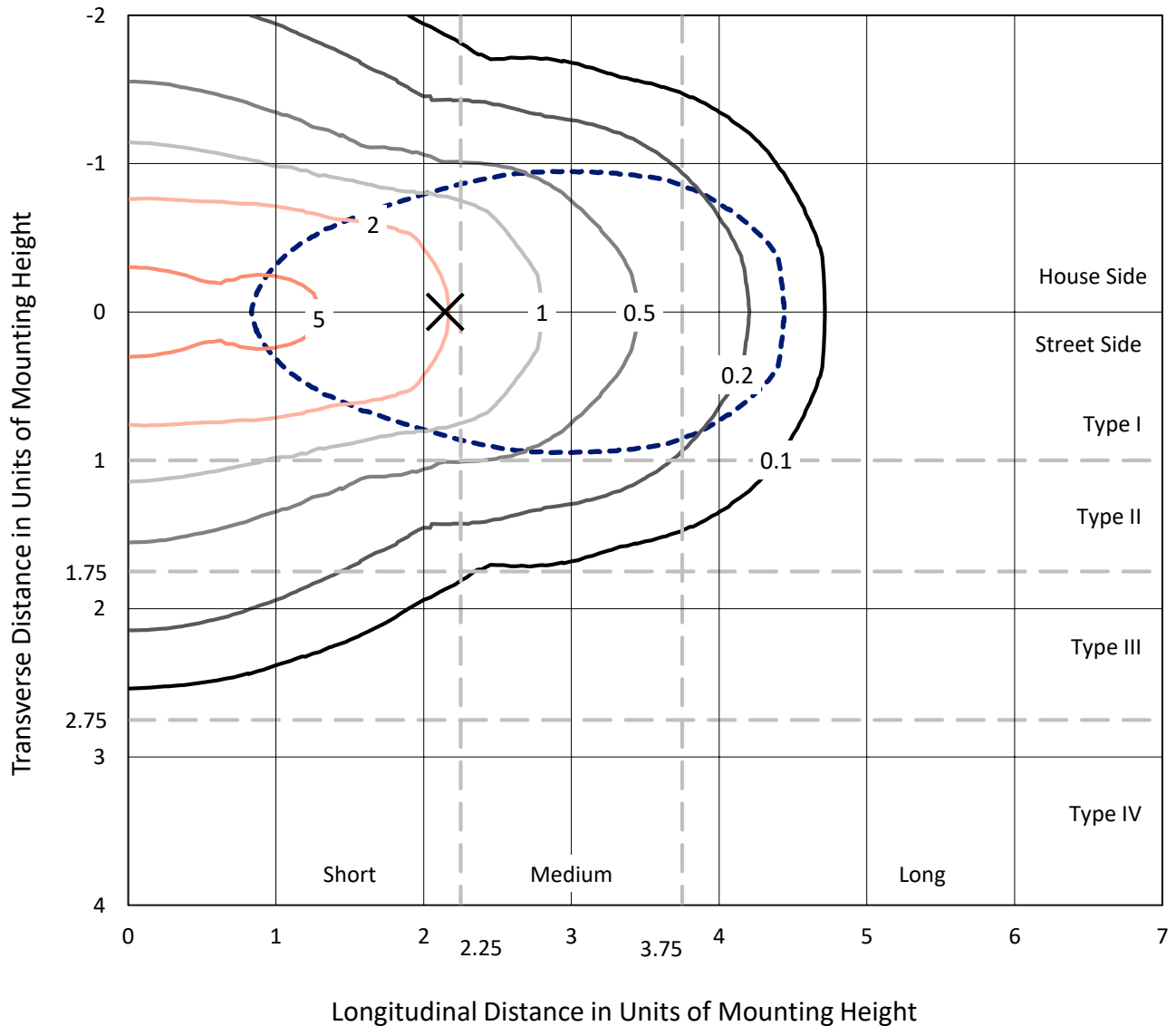
Input Watts (W): 153
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

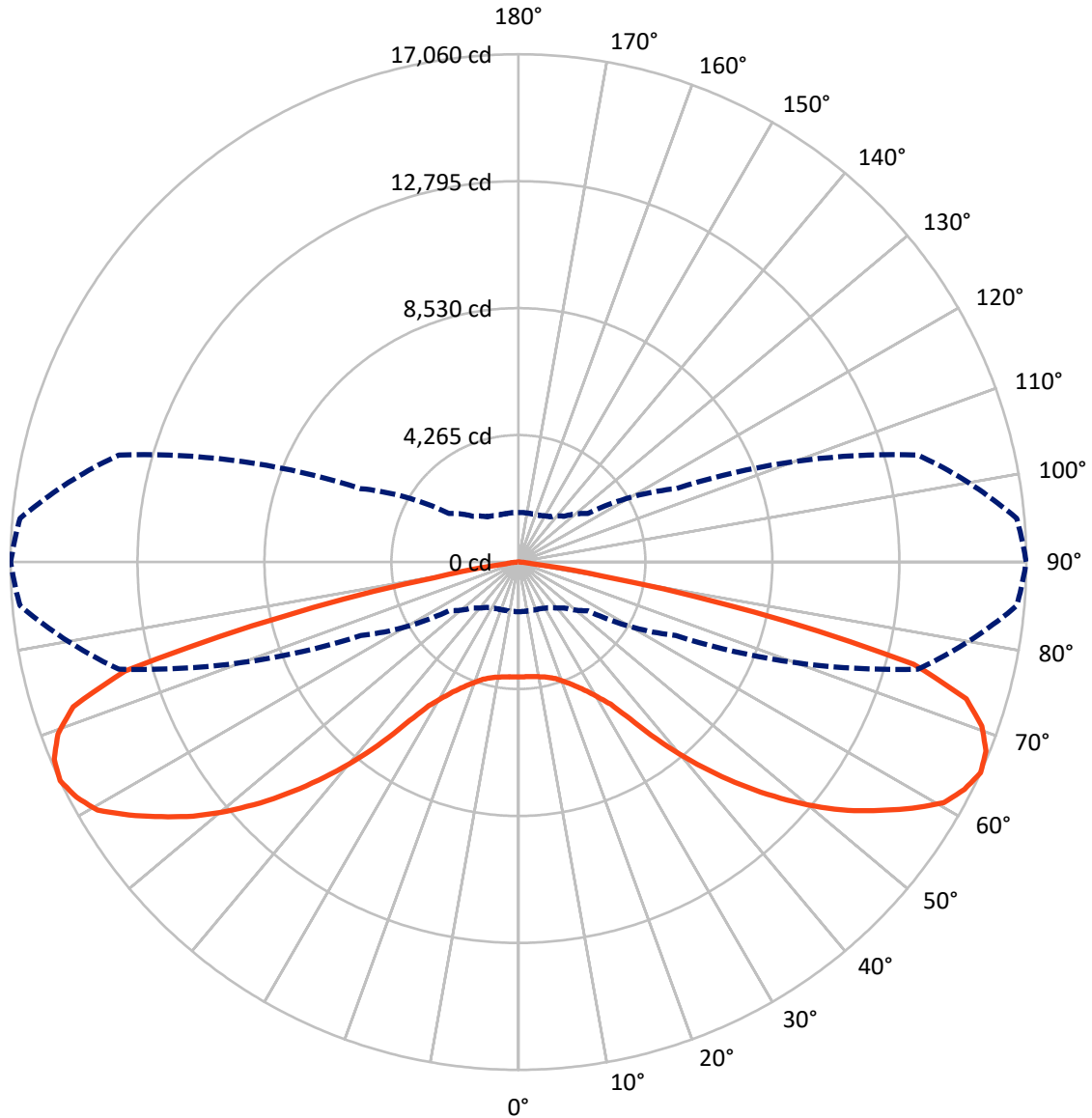
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6.2 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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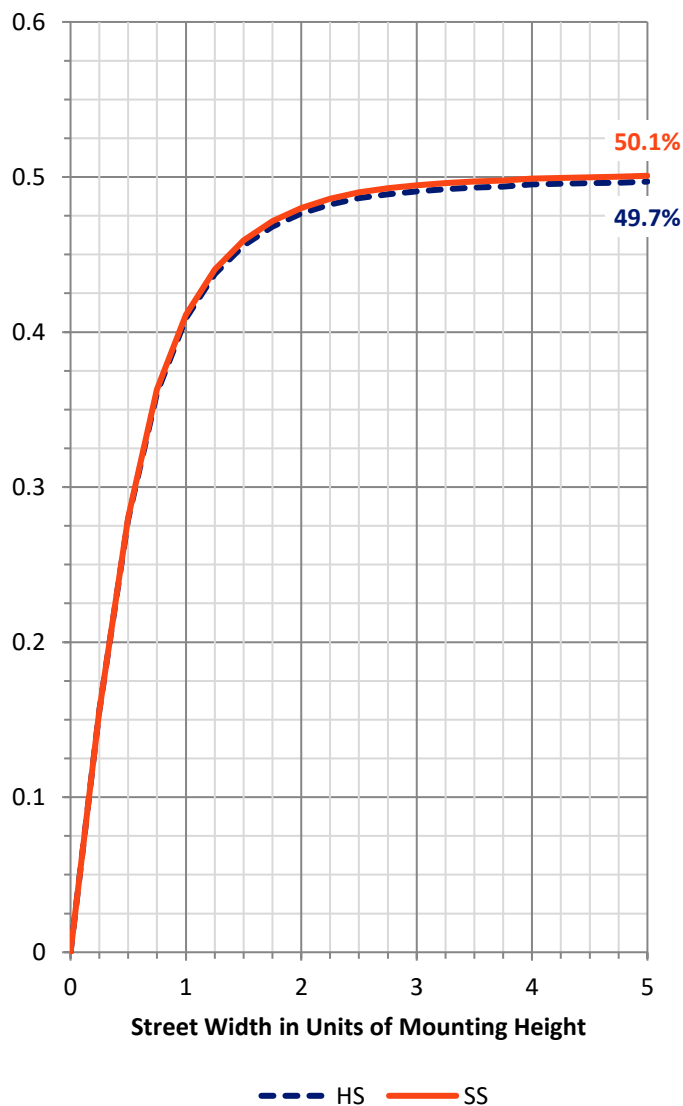
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	11740.0	0.0	11740.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	11740.0	0.0	11740.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	23480.1	0.0	23480.1
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	367.6	1.6
10°-20°	1091.6	4.6
20°-30°	1802.3	7.7
30°-40°	2640.8	11.2
40°-50°	3852.1	16.4
50°-60°	4987.2	21.2
60°-70°	5254.3	22.4
70°-80°	3206.9	13.7
80°-90°	277.2	1.2
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°	23480.1	100.0
0°-180°	23480.1	100.0

Coefficient of Utilization



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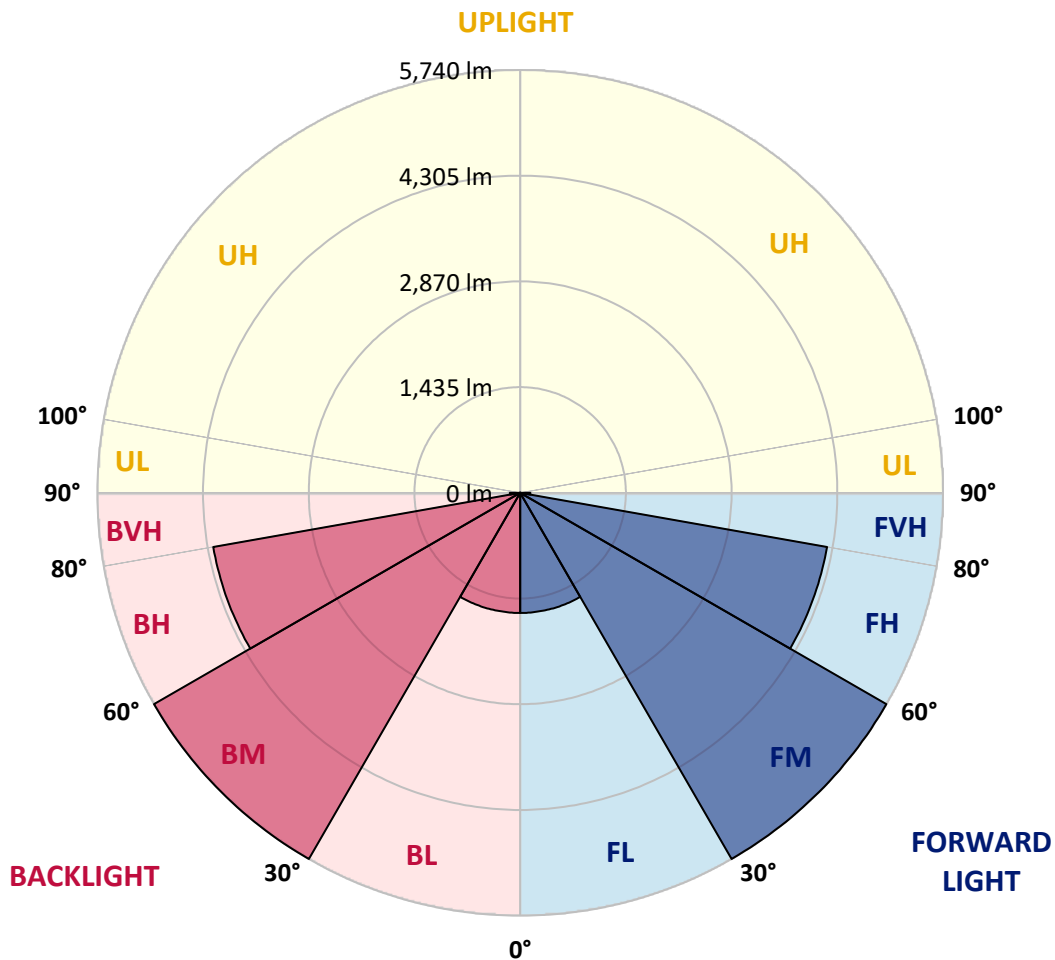
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1630.8	6.9			
FM	(30°-60°)	5740.0	24.4			
FH	(60°-80°)	4230.6	18.0			G2/5000
FVH	(80°-90°)	138.6	0.6			G2/225
BL	(0°-30°)	1630.8	6.9	B3/2500		
BM	(30°-60°)	5740.0	24.4	B4/8500		
BH	(60°-80°)	4230.6	18.0	B4/5000		G4/5000
BVH	(80°-90°)	138.6	0.6			G2/225
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B4-U0-G4

Type I Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	3863	3863	3863	3863	3863	3863	3863	3863	3863	3863	3863
2.5°	3831	3862	3867	3854	3855	3853	3861	3864	3868	3862	3859
5°	3825	3852	3857	3851	3859	3857	3861	3868	3867	3865	3865
7.5°	3793	3813	3829	3825	3827	3840	3854	3877	3888	3888	3886
10°	3751	3772	3799	3793	3806	3833	3861	3885	3913	3919	3919
12.5°	3706	3735	3761	3767	3797	3828	3879	3916	3948	3962	3961
15°	3646	3671	3702	3724	3772	3839	3906	3963	4009	4028	4031
17.5°	3566	3593	3626	3672	3756	3852	3956	4033	4103	4123	4123
20°	3461	3490	3530	3601	3715	3865	4004	4125	4216	4263	4270
22.5°	3298	3330	3395	3518	3668	3863	4061	4233	4370	4431	4438
25°	3117	3158	3250	3412	3610	3861	4118	4355	4538	4632	4652
27.5°	2957	2996	3109	3309	3556	3865	4175	4495	4759	4894	4911
30°	2800	2835	2961	3199	3506	3870	4248	4656	5010	5216	5257
32.5°	2671	2706	2828	3082	3445	3881	4341	4871	5359	5667	5693
35°	2558	2598	2705	2964	3364	3897	4458	5153	5859	6427	6457
37.5°	2460	2492	2587	2839	3279	3900	4594	5484	6505	7344	7549
40°	2395	2417	2490	2724	3167	3875	4750	5854	7225	8409	8643
42.5°	2336	2356	2414	2618	3050	3827	4895	6234	7946	9497	9718
45°	2265	2281	2340	2528	2936	3753	5015	6586	8692	10590	10798
47.5°	2207	2219	2269	2447	2809	3634	5066	6905	9492	11601	11859
50°	2167	2163	2207	2363	2679	3468	5023	7141	10335	12613	12891
52.5°	2098	2102	2144	2276	2571	3263	4855	7307	11183	13537	13866
55°	2027	2033	2066	2185	2457	3068	4544	7330	12070	14503	14727
57.5°	1951	1954	1982	2087	2330	2866	4152	7184	12893	15389	15601
60°	1884	1885	1904	1985	2189	2648	3696	6891	13556	16069	16414
62.5°	1794	1794	1806	1874	2045	2423	3258	6437	13918	16565	16816
65°	1665	1667	1679	1723	1856	2178	2847	5837	13896	16808	17060
67.5°	1418	1413	1485	1557	1661	1930	2444	5248	13392	16704	16940
70°	1027	1020	1062	1164	1415	1612	2077	4756	11944	16315	16511
72.5°	843	847	849	836	947	1305	1735	4183	9855	15122	15732
75°	667	657	668	678	708	765	1404	3483	7998	12680	13709
77.5°	421	415	414	420	459	485	860	2553	5565	8021	8089
80°	293	292	293	301	314	320	477	1399	2802	2921	2869
82.5°	208	201	195	210	203	197	287	641	756	515	418
85°	103	105	89	113	106	103	112	122	113	211	239
87.5°	29	28	31	36	35	40	36	39	46	80	79
90°	0	0	0	0	0	0	0	0	0	0	0

(END OF REPORT)