

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: P507742

Luminaire Tested: **VERD-S-CA1-80-740-U-T5**

Issue Date: 3/30/2021

Test Information

Test Method: LM-79-08
Report Number: P507742
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2103-168-8)
Test Lab: INNOVATION CENTER
Issue Date: 3/30/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: VERD-S-CA1-80-740-U-T5
Description: VERDEON-S ROADWAY AND AREA LUMINAIRE
(1) 70 CRI, 4000K, 1500mA LED AND TYPE V OPTIC
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 11329 lumens
Efficiency: N/A
Efficacy: 136.3 lumens/watt
Luminous Opening: Rectangular (W 0.83' x L: 0.83' x H: 0')
IES Classification: Type V - Short
BUG Rating: B4 - U0 - G3

Input Watts (W): 83.1
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

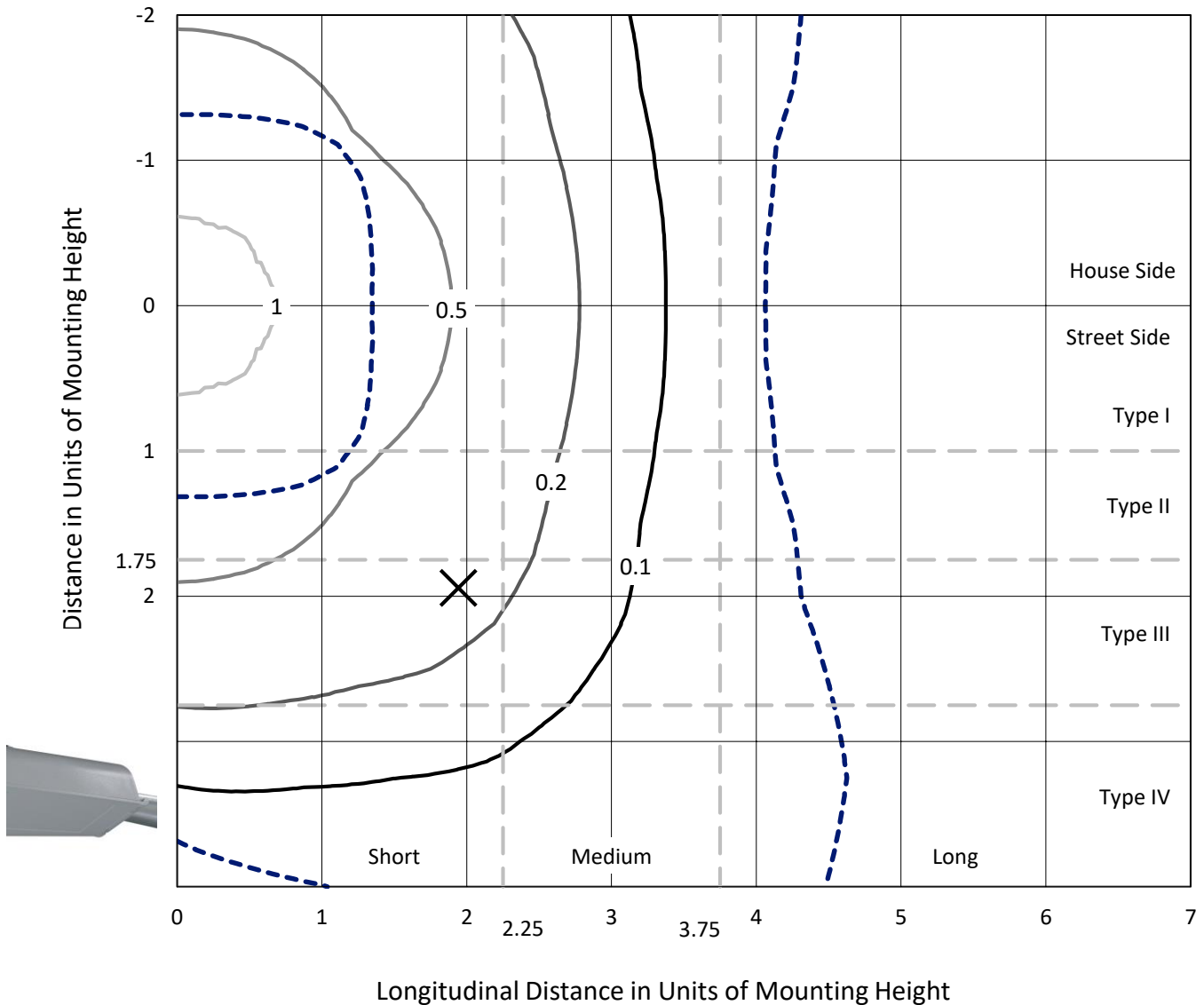


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Iso-Footcandle Lines of Horizontal Illumination

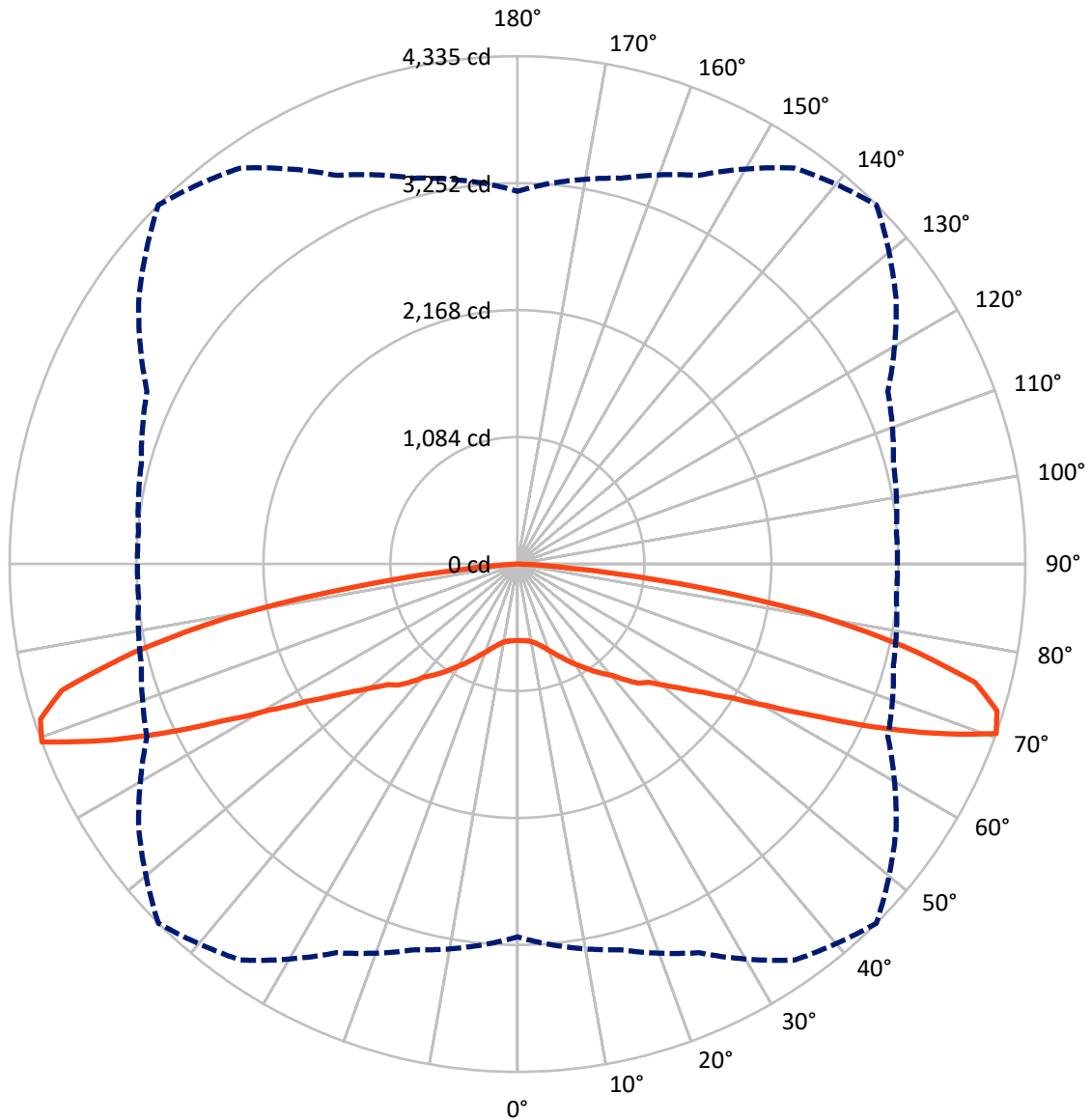
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.1 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 70-Deg Vertical

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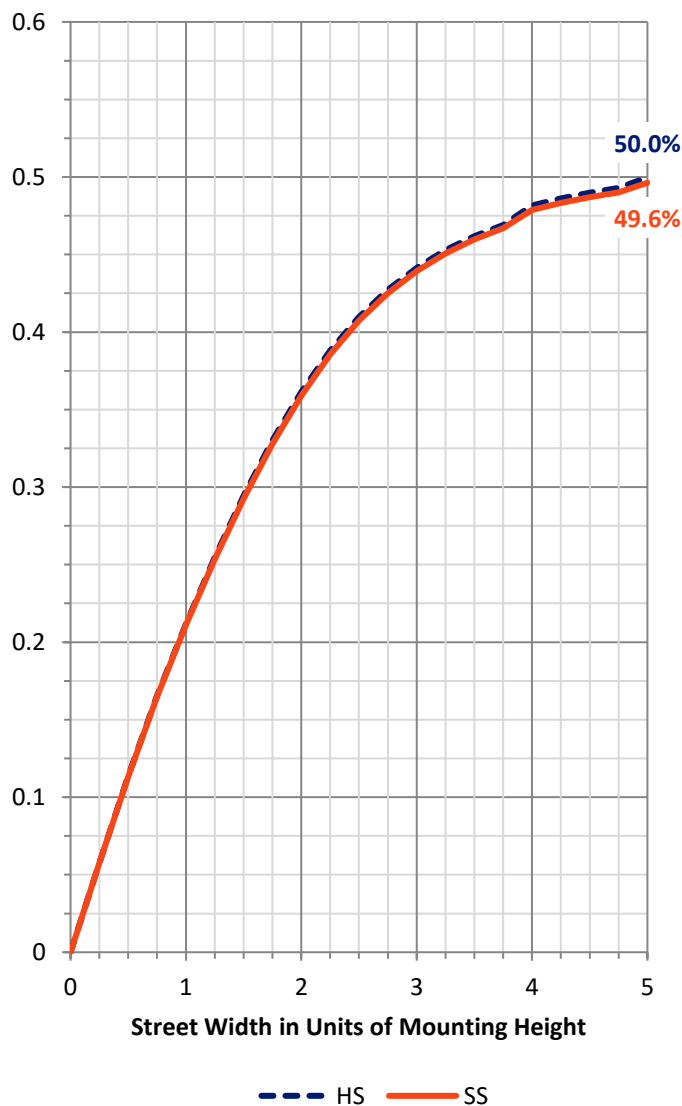
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	5664.5	0.0	5664.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	5664.5	0.0	5664.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	11329.0	0.0	11329.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	63.3	0.6
10°-20°	204.6	1.8
20°-30°	405.7	3.6
30°-40°	706.0	6.2
40°-50°	1156.6	10.2
50°-60°	1966.7	17.4
60°-70°	3269.2	28.9
70°-80°	3049.6	26.9
80°-90°	507.3	4.5
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°	11329.0	100.0
0°-180°	11329.0	100.0

Coefficient of Utilization



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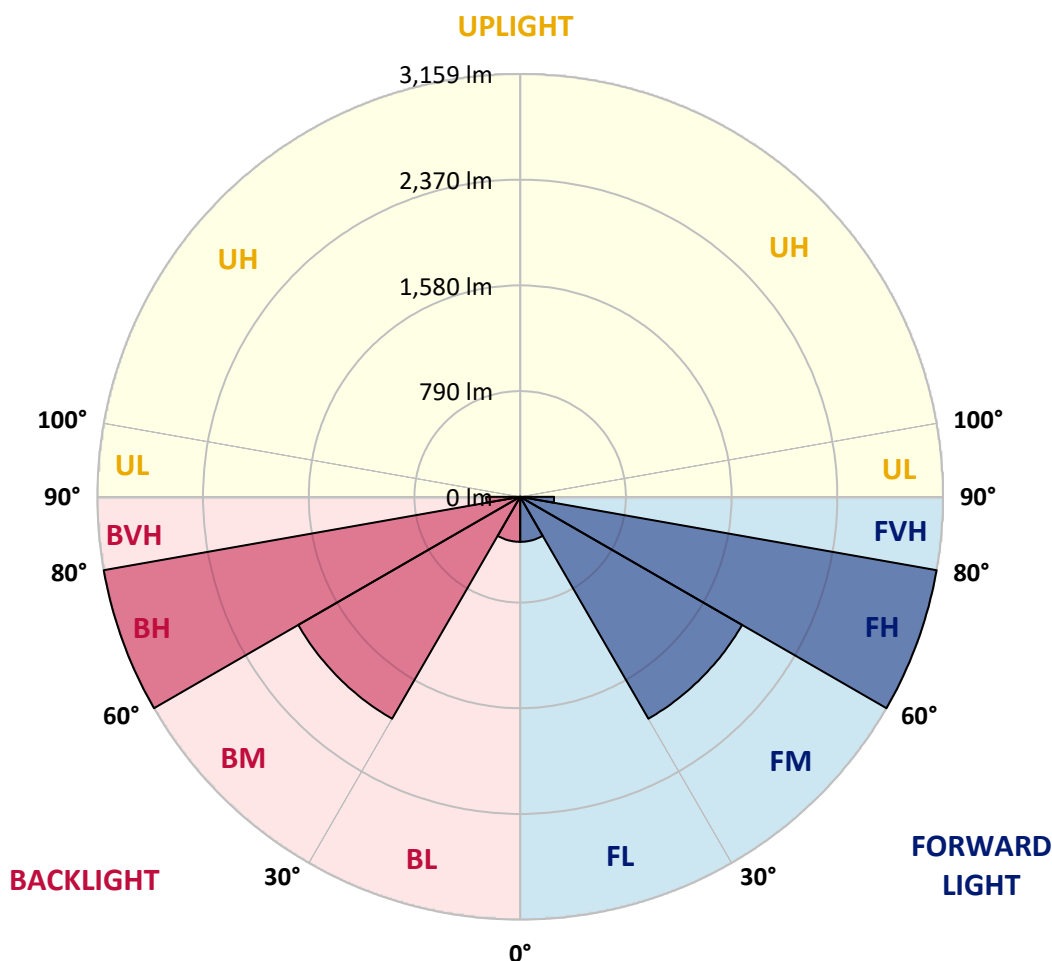
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	336.8	3.0			
FM (30°-60°)	1914.6	16.9			
FH (60°-80°)	3159.4	27.9			G2/5000
FVH (80°-90°)	253.7	2.2			G3/500
BL (0°-30°)	336.8	3.0	B1/500		
BM (30°-60°)	1914.6	16.9	B2/2500		
BH (60°-80°)	3159.4	27.9	B4/5000		G2/5000
BVH (80°-90°)	253.7	2.2			G3/500
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B4-U0-G3

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	653.1	653.1	653.1	653.1	653.1	653.1	653.1	653.1	653.1	653.1	653.1
2.5°	653.1	653.1	653.1	653.1	653.1	653.1	653.1	656.1	656.1	656.1	656.1
5°	659.2	659.2	656.1	656.1	656.1	659.2	659.2	659.2	659.2	662.3	662.3
7.5°	662.3	662.3	662.3	662.3	662.3	662.3	662.3	662.3	665.3	665.3	665.3
10°	674.5	674.5	674.5	674.5	674.5	674.5	674.5	674.5	674.5	674.5	674.5
12.5°	686.8	686.8	689.9	689.9	692.9	692.9	689.9	689.9	686.8	683.7	683.7
15°	708.3	708.3	711.3	714.4	720.5	720.5	717.5	714.4	708.3	705.2	705.2
17.5°	729.7	729.7	732.8	738.9	748.1	751.2	745.0	738.9	732.8	729.7	729.7
20°	760.4	763.4	766.5	772.6	788.0	794.1	784.9	772.6	769.6	769.6	769.6
22.5°	806.4	806.4	806.4	815.6	827.8	837.0	824.8	818.6	812.5	812.5	812.5
25°	855.4	855.4	855.4	858.5	876.9	886.1	873.8	864.6	861.6	864.6	864.6
27.5°	910.6	910.6	910.6	910.6	925.9	941.3	925.9	916.7	919.8	919.8	919.8
30°	968.9	968.9	971.9	971.9	978.1	996.5	981.1	978.1	981.1	984.2	984.2
32.5°	1036.3	1039.4	1036.3	1036.3	1042.5	1054.7	1045.5	1045.5	1051.7	1057.8	1057.8
35°	1106.8	1106.8	1106.8	1106.8	1109.9	1122.2	1116.0	1116.0	1125.2	1134.4	1134.4
37.5°	1183.5	1186.6	1177.4	1174.3	1180.4	1186.6	1183.5	1189.6	1205.0	1217.2	1220.3
40°	1266.3	1266.3	1257.1	1247.9	1247.9	1250.9	1257.1	1269.3	1290.8	1306.1	1309.2
42.5°	1370.5	1379.7	1364.4	1352.1	1346.0	1352.1	1358.3	1379.7	1401.2	1413.4	1413.4
45°	1508.5	1511.6	1493.2	1471.7	1456.4	1450.2	1459.4	1480.9	1505.4	1530.0	1530.0
47.5°	1677.1	1671.0	1631.1	1566.8	1520.8	1508.5	1523.8	1572.9	1631.1	1667.9	1674.1
50°	1888.7	1882.6	1821.2	1726.2	1643.4	1625.0	1634.2	1707.8	1793.6	1848.8	1858.0
52.5°	2140.1	2124.8	2057.3	1931.6	1805.9	1763.0	1784.4	1882.6	1992.9	2063.4	2072.6
55°	2397.6	2388.5	2317.9	2176.9	2017.5	1937.7	1965.3	2097.2	2235.1	2308.7	2314.9
57.5°	2649.1	2652.1	2587.7	2459.0	2271.9	2155.4	2192.2	2348.6	2505.0	2578.5	2578.5
60°	2888.2	2885.2	2839.2	2738.0	2593.9	2459.0	2505.0	2633.7	2771.7	2839.2	2845.3
62.5°	3118.2	3115.1	3099.8	3035.4	2952.6	2854.5	2857.6	2943.4	3053.8	3102.8	3112.0
65°	3415.6	3409.4	3388.0	3348.1	3360.4	3354.3	3253.1	3274.5	3378.8	3434.0	3437.0
67.5°	3437.0	3473.8	3544.4	3663.9	3835.6	3860.2	3731.4	3538.2	3486.1	3455.4	3452.4
70°	3182.6	3262.3	3409.4	3660.9	4126.9	4335.4	3946.0	3489.2	3323.6	3246.9	3243.9
72.5°	2734.9	2900.5	3093.6	3495.3	4145.3	4280.2	3967.5	3308.3	3041.5	2915.8	2897.4
75°	2118.6	2278.1	2600.0	3151.9	3900.0	4034.9	3728.3	2967.9	2624.5	2501.9	2465.1
77.5°	1303.1	1493.2	1833.5	2465.1	3228.5	3366.5	3121.2	2367.0	1999.1	1805.9	1815.1
80°	634.7	821.7	1106.8	1664.9	2321.0	2523.4	2146.2	1526.9	1217.2	1082.3	1070.1
82.5°	275.9	374.1	533.5	834.0	1318.4	1410.4	1091.5	754.2	600.9	536.6	530.4
85°	39.9	55.2	138.0	248.3	398.6	447.6	257.5	156.4	119.6	107.3	98.1
87.5°	27.6	27.6	27.6	30.7	36.8	39.9	33.7	30.7	27.6	27.6	27.6
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)