

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: P509386

Luminaire Tested: **VERD-CA2-80-760-U-T5**

Issue Date: 3/4/2021

Test Information

Test Method: LM-79-08
Report Number: P509386
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2102-139-8)
Test Lab: INNOVATION CENTER
Issue Date: 3/4/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: VERD-CA2-80-760-U-T5
Description: VERDEON ROADWAY AND AREA LUMINAIRE
(2) 70 CRI, 5700K, 1100mA LEDS AND TYPE V OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 11947 lumens
Efficiency: N/A
Efficacy: 145.0 lumens/watt
Luminous Opening: Rectangular (W 0.79' x L: 1.25' x H: 0')
IES Classification: Type V - Short
BUG Rating: B4 - U0 - G3

Input Watts (W): 82.4
Input Voltage (V): NR
Input Current (A_{in}): 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

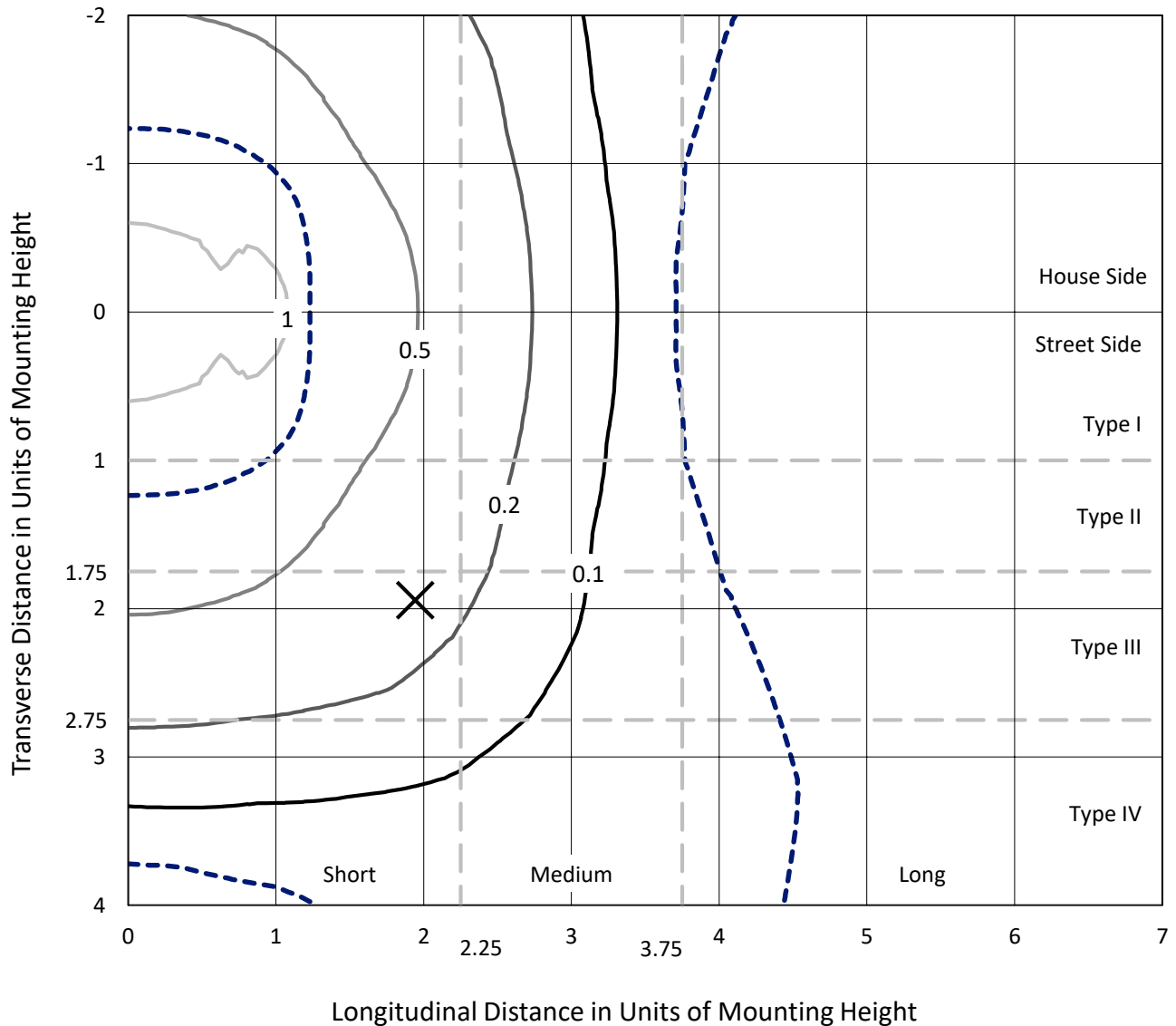


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Iso-Footcandle Lines of Horizontal Illumination

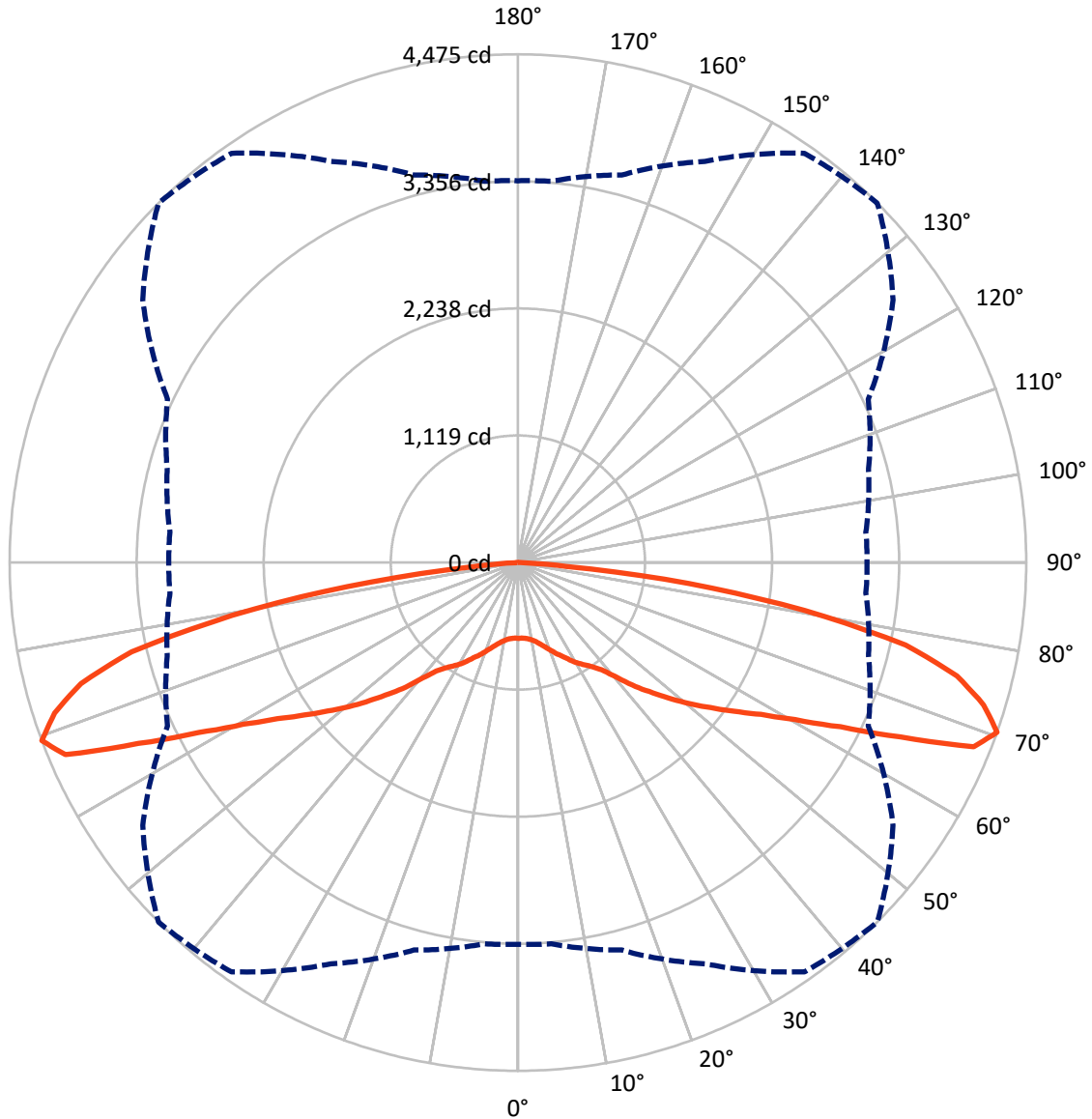
✕ Max cd
 - - - 1/2 Max cd



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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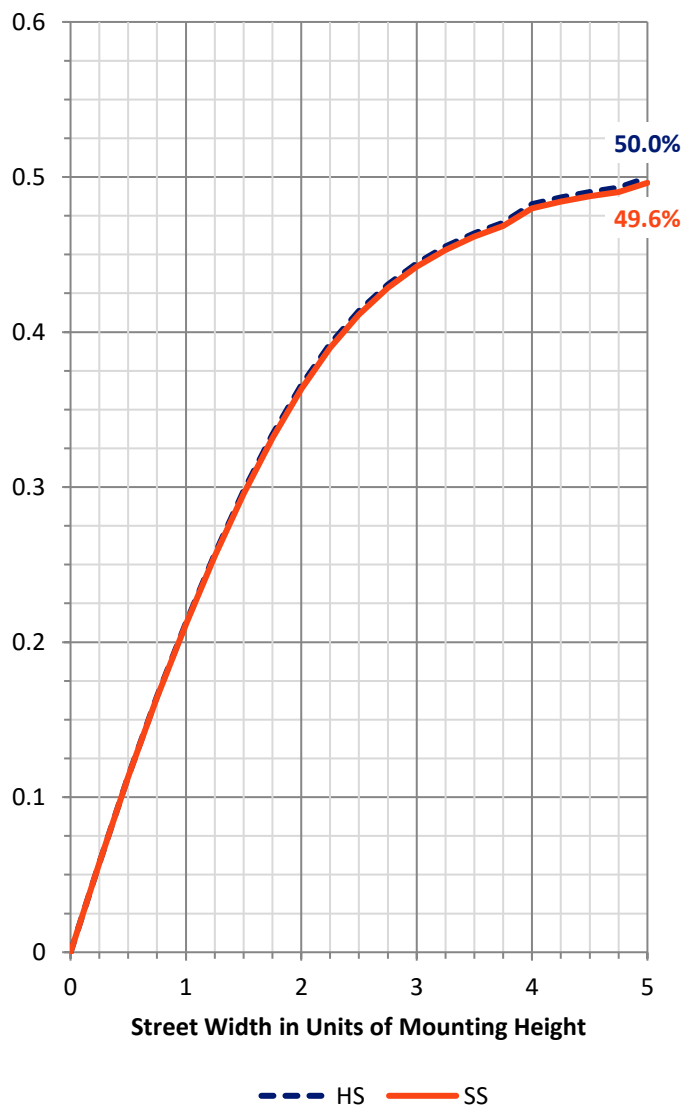
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	5973.5	0.0	5973.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	5973.5	0.0	5973.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	11947.0	0.0	11947.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	64.9	0.5
10°-20°	213.4	1.8
20°-30°	419.2	3.5
30°-40°	718.9	6.0
40°-50°	1320.1	11.0
50°-60°	2221.6	18.6
60°-70°	3510.3	29.4
70°-80°	2995.6	25.1
80°-90°	483.0	4.0
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°	11947.0	100.0
0°-180°	11947.0	100.0

Coefficient of Utilization



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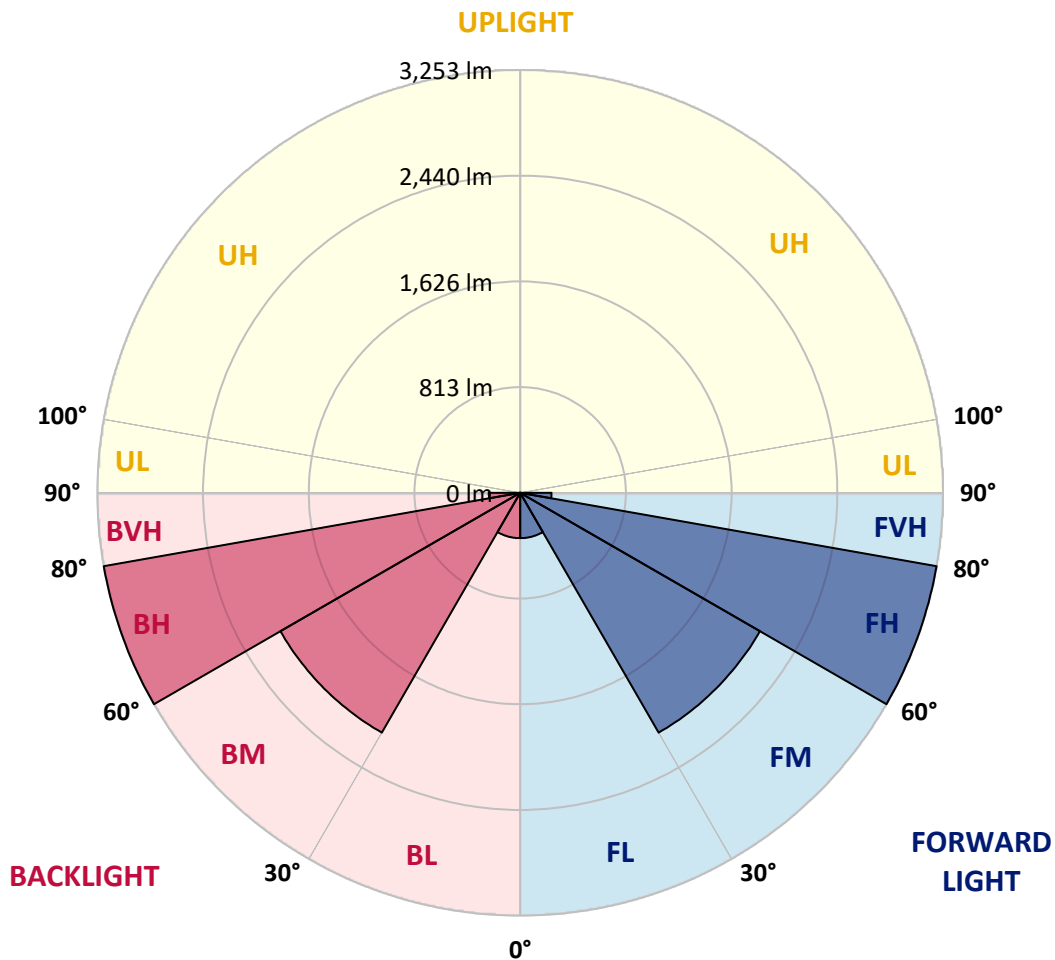
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	348.8	2.9			
FM	(30°-60°)	2130.4	17.8			
FH	(60°-80°)	3252.9	27.2			G2/5000
FVH	(80°-90°)	241.5	2.0			G3/500
BL	(0°-30°)	348.8	2.9	B1/500		
BM	(30°-60°)	2130.4	17.8	B2/2500		
BH	(60°-80°)	3252.9	27.2	B4/5000		G2/5000
BVH	(80°-90°)	241.5	2.0			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°	667.8	667.8	667.8	667.8	667.8	667.8	667.8	667.8	667.8	667.8	667.8
2.5°	669.1	672.8	669.1	669.1	666.6	665.3	665.3	665.3	667.8	670.3	670.3
5°	674.1	676.6	672.8	672.8	670.3	670.3	670.3	670.3	672.8	675.3	674.1
7.5°	682.9	686.6	682.9	682.9	680.4	677.9	677.9	679.1	680.4	681.6	680.4
10°	697.9	703.0	697.9	700.4	695.4	694.2	692.9	692.9	694.2	694.2	694.2
12.5°	716.8	720.5	718.0	720.5	715.5	715.5	711.7	711.7	710.5	710.5	710.5
15°	741.9	746.9	744.4	748.1	745.6	745.6	741.9	738.1	736.8	736.8	736.8
17.5°	772.0	777.0	775.8	782.0	779.5	782.0	774.5	768.2	769.5	769.5	768.2
20°	807.1	812.2	812.2	821.0	821.0	823.5	813.4	807.1	804.6	805.9	804.6
22.5°	846.1	851.1	849.8	863.6	871.2	871.2	857.4	852.3	847.3	848.6	846.1
25°	888.7	895.0	888.7	901.3	913.8	915.1	903.8	891.2	891.2	897.5	895.0
27.5°	925.1	932.7	928.9	933.9	961.5	969.1	951.5	937.7	940.2	945.2	941.5
30°	969.1	975.4	969.1	972.8	999.2	1024.3	991.7	987.9	992.9	997.9	997.9
32.5°	1025.6	1033.1	1021.8	1025.6	1034.4	1073.3	1044.4	1049.4	1060.7	1072.0	1072.0
35°	1092.1	1099.6	1088.3	1088.3	1092.1	1124.7	1115.9	1131.0	1153.6	1177.5	1182.5
37.5°	1176.2	1180.0	1167.4	1162.4	1169.9	1196.3	1208.8	1242.7	1279.1	1323.1	1330.6
40°	1290.4	1295.4	1277.9	1272.9	1277.9	1315.5	1350.7	1410.9	1461.1	1507.6	1512.6
42.5°	1459.9	1475.0	1457.4	1441.1	1441.1	1475.0	1523.9	1596.7	1660.7	1690.9	1698.4
45°	1646.9	1660.7	1623.1	1601.7	1592.9	1620.6	1674.5	1759.9	1820.2	1869.1	1865.3
47.5°	1869.1	1864.1	1828.9	1791.3	1763.7	1781.2	1831.5	1905.5	1970.8	2014.7	2016.0
50°	2117.7	2116.4	2070.0	1995.9	1943.2	1950.7	1984.6	2063.7	2129.0	2170.4	2180.4
52.5°	2382.5	2373.7	2312.2	2226.9	2147.8	2122.7	2136.5	2206.8	2277.1	2324.8	2324.8
55°	2647.4	2636.1	2584.6	2471.6	2377.5	2309.7	2299.7	2370.0	2450.3	2508.0	2511.8
57.5°	2921.0	2923.5	2868.3	2771.7	2627.3	2523.1	2495.5	2575.8	2661.2	2713.9	2727.7
60°	3199.7	3197.2	3154.5	3086.7	2942.4	2806.8	2761.6	2808.1	2916.0	2957.4	2973.8
62.5°	3555.0	3563.7	3501.0	3453.3	3316.4	3185.9	3100.5	3145.7	3252.4	3310.2	3311.4
65°	3747.0	3764.6	3792.2	3878.8	3833.6	3700.6	3592.6	3539.9	3507.3	3488.4	3477.1
67.5°	3639.1	3640.3	3759.6	3980.5	4241.6	4326.9	3915.2	3546.2	3410.6	3372.9	3362.9
70°	3361.6	3369.2	3532.4	3897.6	4398.5	4475.1	4032.0	3403.1	3195.9	3075.4	3074.2
72.5°	2809.3	2901.0	3115.6	3656.6	4296.8	4288.0	3844.9	3172.1	2845.7	2726.5	2712.7
75°	2223.1	2249.5	2547.0	3155.8	3920.2	3993.0	3572.5	2757.8	2378.8	2221.8	2213.1
77.5°	1421.0	1444.8	1772.5	2449.1	3312.7	3489.7	3047.8	2203.0	1778.7	1559.1	1552.8
80°	694.2	762.0	1010.5	1594.2	2391.3	2558.3	2144.0	1408.4	1053.2	846.1	828.5
82.5°	284.9	300.0	492.1	882.5	1403.4	1516.4	1095.9	655.3	389.1	257.3	238.5
85°	85.4	86.6	150.6	315.1	591.2	428.1	220.9	94.1	41.4	30.1	28.9
87.5°	15.1	16.3	27.6	37.7	36.4	16.3	15.1	13.8	13.8	13.8	15.1
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)