

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: P509179

Luminaire Tested: **VERD-CA2-120-750-U-T1**

Issue Date: 3/4/2021

Test Information

Test Method: LM-79-08
Report Number: P509179
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2102-139-1)
Test Lab: INNOVATION CENTER
Issue Date: 3/4/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: VERD-CA2-120-750-U-T1
Description: VERDEON ROADWAY AND AREA LUMINAIRE
(2) 70 CRI, 5000K, 1120mA LEDS AND TYPE I OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 18586 lumens
Efficiency: N/A
Efficacy: 151.5 lumens/watt
Luminous Opening: Rectangular (W 0.79' x L: 1.25' x H: 0')
IES Classification: Type I - Short
BUG Rating: B4 - U0 - G4

Input Watts (W): 122.7
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

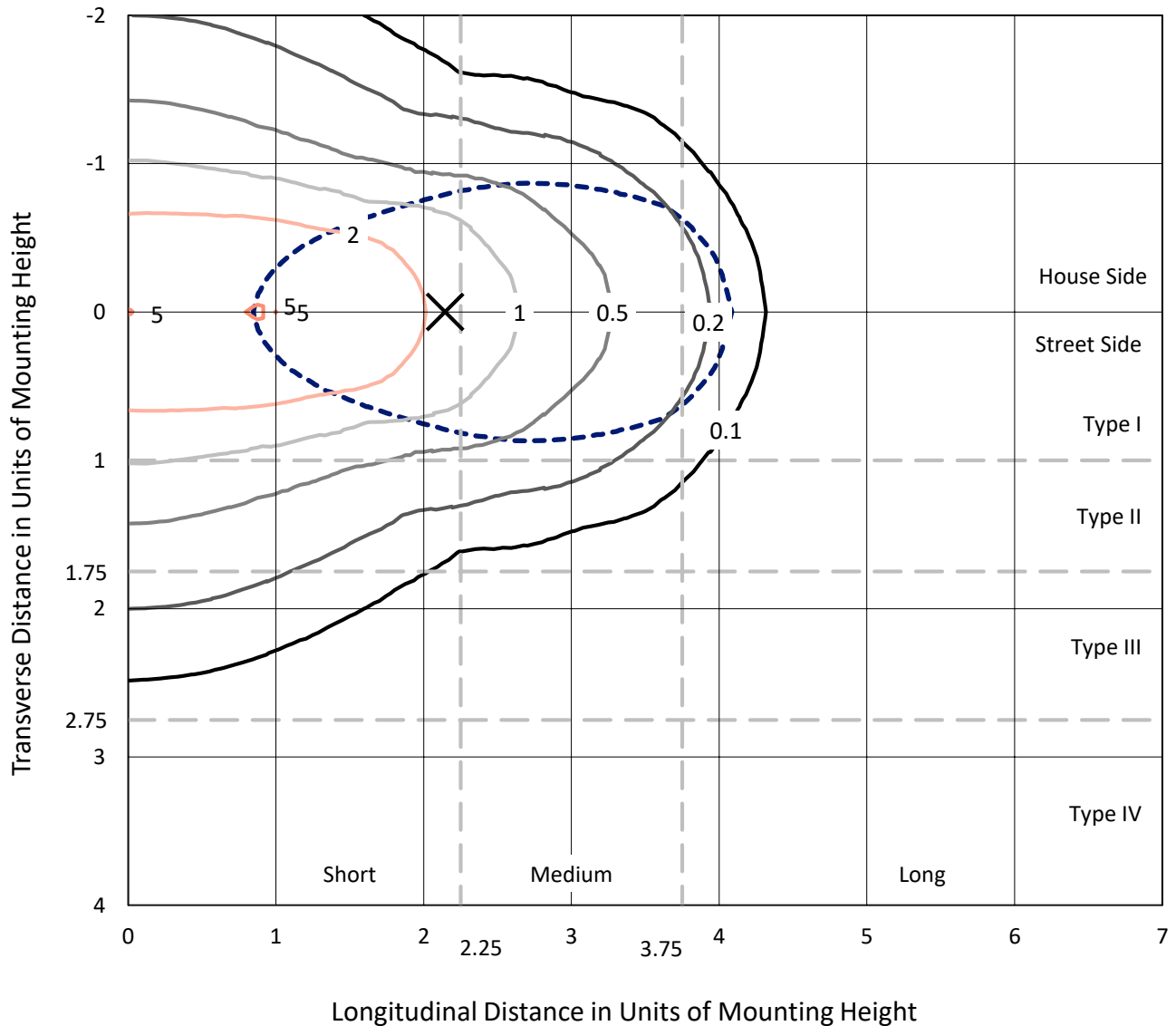


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Iso-Footcandle Lines of Horizontal Illumination

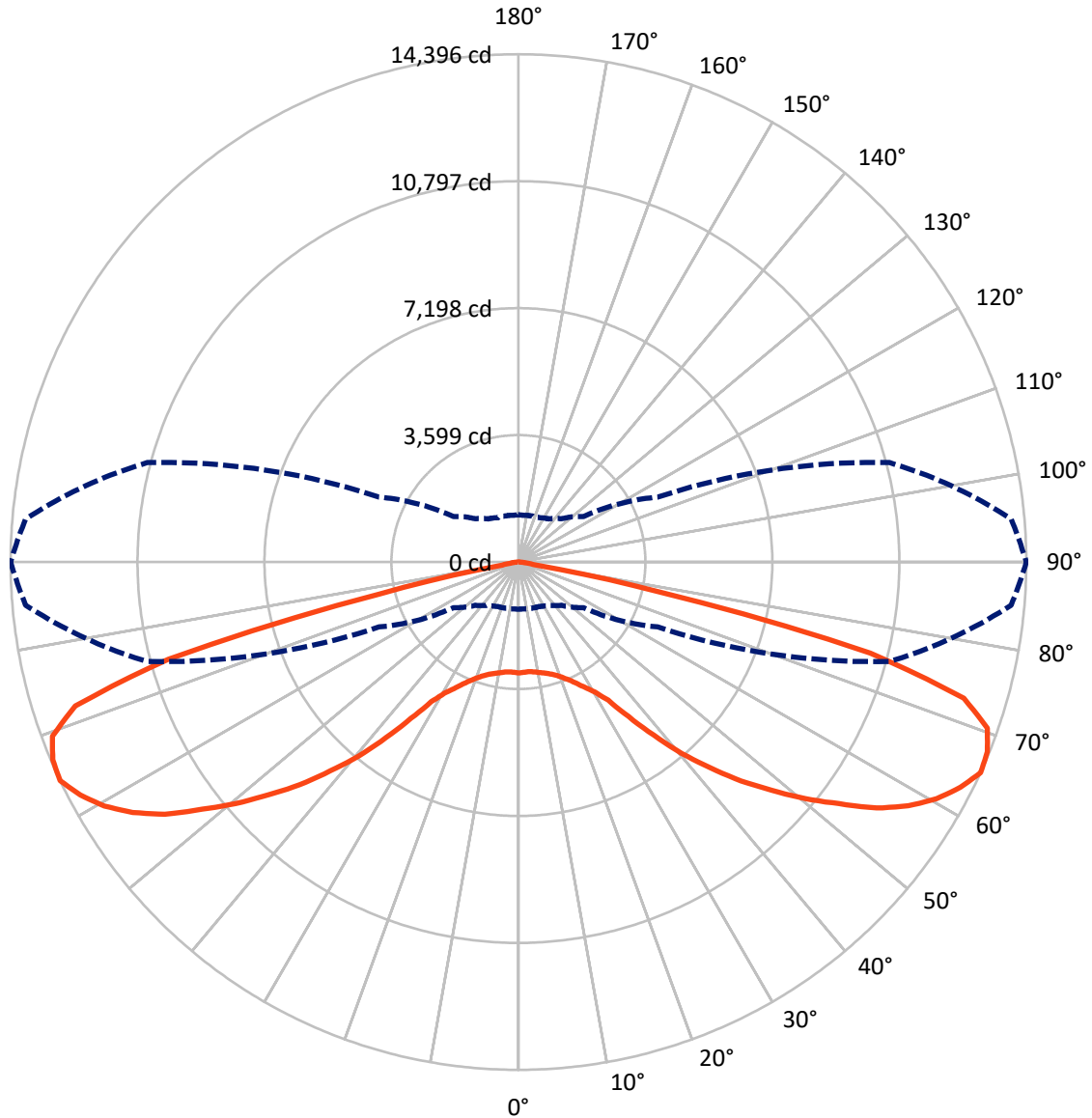
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5.1 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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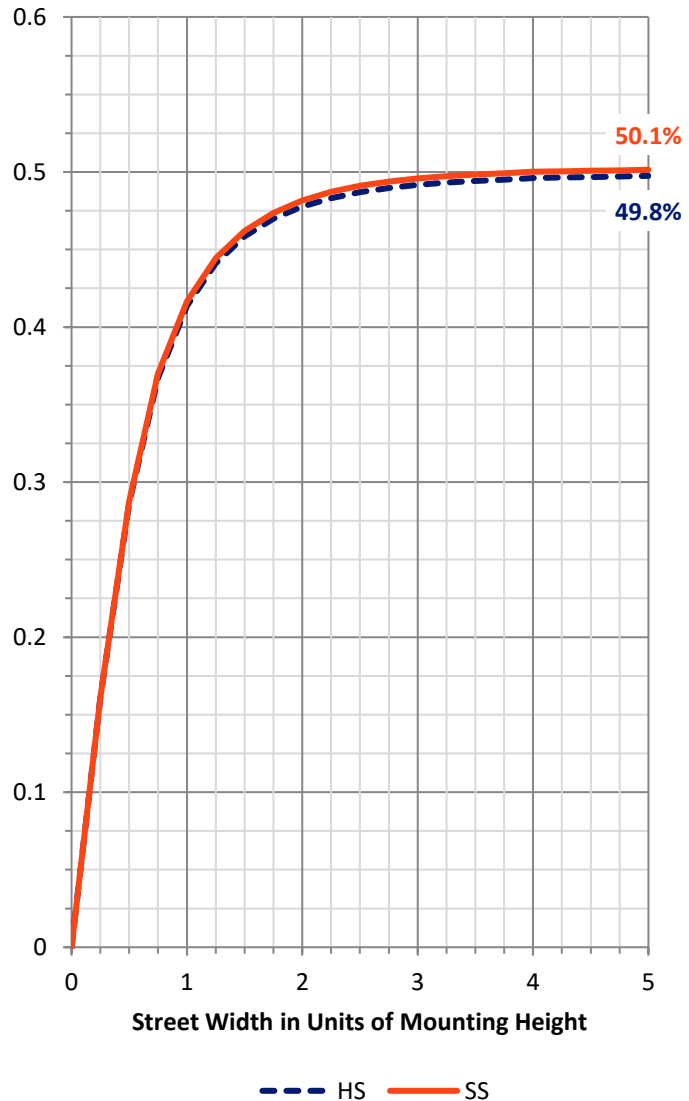
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	9293.0	0.0	9293.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	9293.0	0.0	9293.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	18586.0	0.0	18586.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	298.3	1.6
10°-20°	888.4	4.8
20°-30°	1467.1	7.9
30°-40°	2165.5	11.7
40°-50°	3150.8	17.0
50°-60°	4033.2	21.7
60°-70°	4217.7	22.7
70°-80°	2275.4	12.2
80°-90°	89.6	0.5
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°	18586.0	100.0
0°-180°	18586.0	100.0

Coefficient of Utilization



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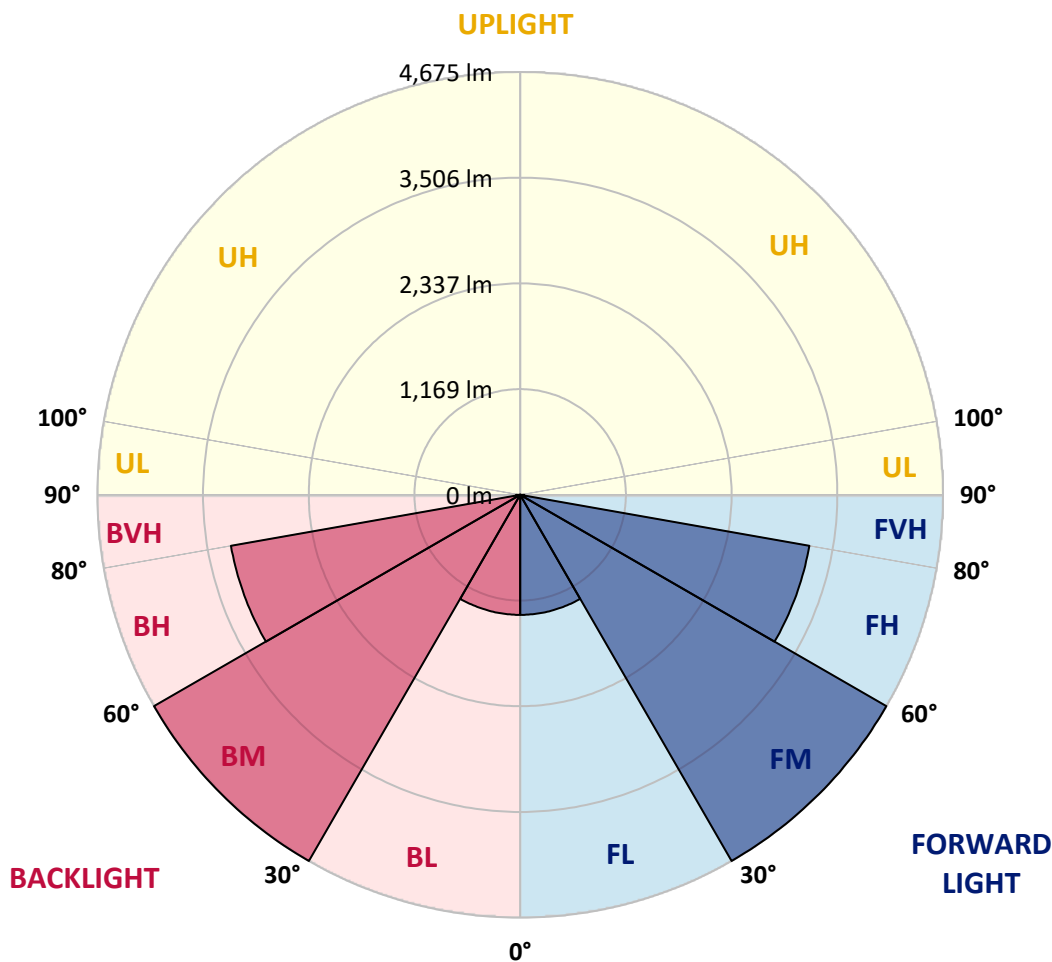
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1326.9	7.1			
FM	(30°-60°)	4674.7	25.2			
FH	(60°-80°)	3246.6	17.5			G2/5000
FVH	(80°-90°)	44.8	0.2			G1/100
BL	(0°-30°)	1326.9	7.1	B3/2500		
BM	(30°-60°)	4674.7	25.2	B3/5000		
BH	(60°-80°)	3246.6	17.5	B4/5000		G4/5000
BVH	(80°-90°)	44.8	0.2			G1/100
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°	3144.6	3144.6	3144.6	3144.6	3144.6	3144.6	3144.6	3144.6	3144.6	3144.6	3144.6
2.5°	3127.6	3139.0	3144.6	3142.7	3131.4	3131.4	3131.4	3131.4	3127.6	3125.7	3127.6
5°	3104.9	3114.3	3125.7	3120.0	3114.3	3120.0	3120.0	3120.0	3121.9	3121.9	3121.9
7.5°	3085.9	3099.2	3104.9	3112.4	3099.2	3114.3	3137.1	3140.8	3142.7	3142.7	3142.7
10°	3068.9	3080.3	3095.4	3093.5	3099.2	3121.9	3146.5	3174.9	3176.8	3182.5	3182.5
12.5°	3027.3	3042.4	3059.4	3070.8	3078.4	3131.4	3156.0	3192.0	3220.4	3224.1	3226.0
15°	2976.1	2985.6	3004.5	3031.0	3070.8	3127.6	3182.5	3227.9	3273.4	3284.7	3284.7
17.5°	2898.5	2909.9	2936.4	2974.2	3046.2	3139.0	3226.0	3286.6	3343.4	3360.5	3364.2
20°	2792.5	2813.3	2849.3	2915.6	3012.1	3146.5	3273.4	3364.2	3438.1	3475.9	3477.8
22.5°	2665.7	2680.8	2745.2	2839.8	2976.1	3146.5	3322.6	3455.1	3557.4	3616.0	3621.7
25°	2527.4	2540.7	2624.0	2756.5	2930.7	3148.4	3371.8	3555.5	3714.5	3792.1	3799.7
27.5°	2402.5	2415.7	2510.4	2671.3	2890.9	3154.1	3424.8	3678.5	3900.0	4004.2	4025.0
30°	2287.0	2292.7	2400.6	2578.6	2847.4	3157.9	3489.2	3812.9	4095.0	4263.5	4274.9
32.5°	2179.1	2194.2	2294.6	2485.8	2796.3	3163.6	3574.4	4004.2	4407.4	4661.1	4670.6
35°	2082.5	2095.8	2196.1	2391.1	2728.1	3178.7	3667.2	4248.4	4859.9	5302.9	5376.7
37.5°	2004.9	2018.2	2107.2	2290.8	2658.1	3174.9	3788.3	4545.6	5412.7	6113.2	6224.9
40°	1942.4	1957.6	2029.5	2196.1	2565.3	3146.5	3915.2	4867.5	6014.8	6967.0	7133.6
42.5°	1889.4	1902.7	1965.2	2112.8	2465.0	3101.1	4028.8	5159.0	6596.0	7836.0	7968.6
45°	1828.8	1844.0	1904.6	2042.8	2372.2	3031.0	4104.5	5444.9	7184.8	8661.5	8850.8
47.5°	1789.1	1798.6	1845.9	1974.6	2268.1	2921.2	4117.7	5647.5	7815.2	9534.2	9664.9
50°	1753.1	1751.2	1792.9	1906.5	2171.5	2781.1	4047.7	5804.6	8415.4	10348.3	10543.3
52.5°	1702.0	1703.9	1738.0	1840.2	2076.9	2618.3	3881.1	5844.4	9032.5	11164.3	11376.3
55°	1641.4	1647.1	1679.3	1764.5	1980.3	2457.4	3597.1	5772.4	9697.1	11970.8	12311.6
57.5°	1582.7	1578.9	1611.1	1686.9	1876.2	2294.6	3273.4	5588.8	10335.1	12819.0	13032.9
60°	1514.6	1518.4	1541.1	1603.6	1766.4	2122.3	2911.8	5270.7	10764.8	13474.0	13623.6
62.5°	1437.0	1437.0	1457.8	1505.1	1639.5	1934.9	2565.3	4850.4	11007.2	13814.8	14062.8
65°	1338.5	1332.8	1355.5	1389.6	1491.9	1734.2	2249.1	4356.3	10887.9	14021.2	14396.0
67.5°	1232.5	1221.1	1232.5	1247.6	1323.4	1518.4	1929.2	3909.5	10331.3	13888.6	14339.2
70°	1094.3	1079.1	1084.8	1084.8	1135.9	1266.6	1616.8	3530.9	9060.9	13460.8	14100.7
72.5°	895.5	889.8	899.3	891.7	929.6	1016.7	1340.4	3070.8	7383.5	12434.7	13203.3
75°	545.2	552.8	583.1	636.1	670.2	736.5	980.7	2429.0	5590.7	9380.9	10299.1
77.5°	227.2	253.7	280.2	289.7	327.5	320.0	443.0	1101.9	2264.3	3735.3	4043.9
80°	75.7	77.6	172.3	191.2	210.1	172.3	168.5	369.2	647.5	547.1	460.1
82.5°	45.4	49.2	94.7	102.2	89.0	92.8	98.4	125.0	121.2	196.9	223.4
85°	22.7	24.6	41.7	47.3	47.3	56.8	56.8	60.6	68.2	119.3	128.7
87.5°	5.7	5.7	11.4	17.0	18.9	22.7	22.7	26.5	30.3	43.5	51.1
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)