

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: P509074

Luminaire Tested: **VERD-CA2-100-730-U-T5**

Issue Date: 3/4/2021

Test Information

Test Method: LM-79-08
Report Number: P509074
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-CA2-100-730-U-T5
Description: VERDEON ROADWAY AND AREA LUMINAIRE
(2) 70 CRI, 3000K, 1370mA LEDS AND TYPE V OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 14125 lumens
Efficiency: N/A
Efficacy: 136.6 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): 103.4
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

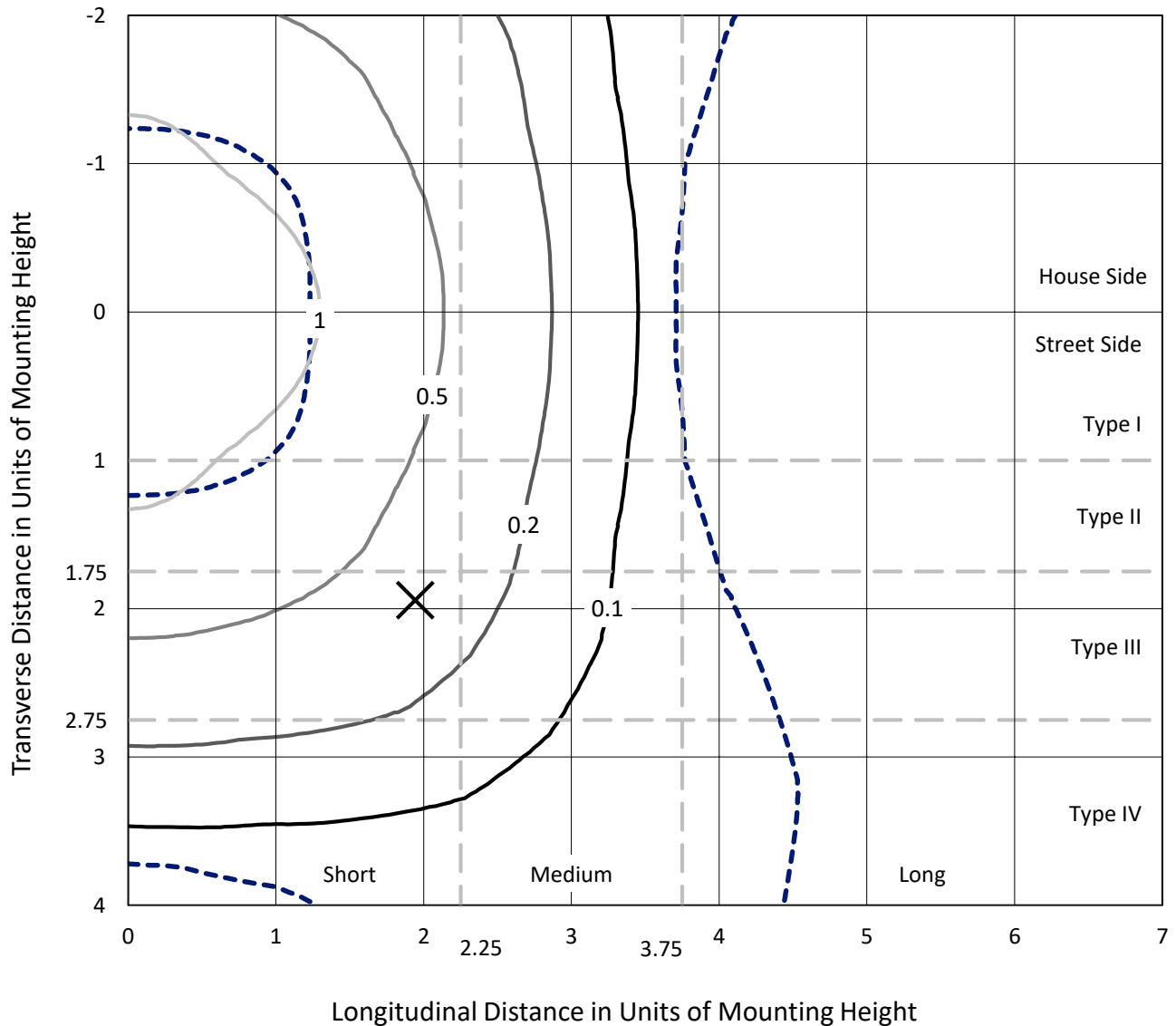


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Iso-Footcandle Lines of Horizontal Illumination

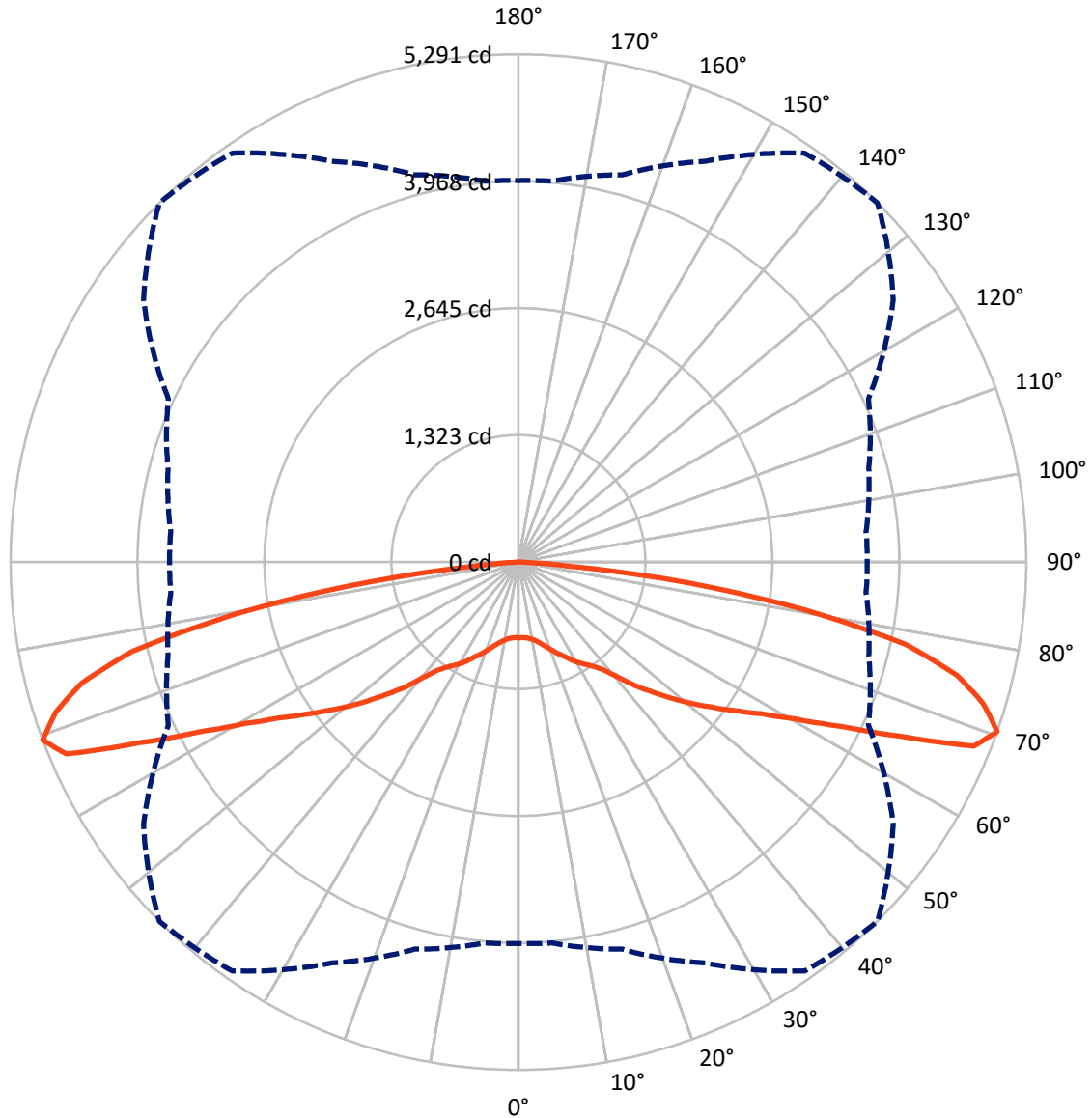
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.3 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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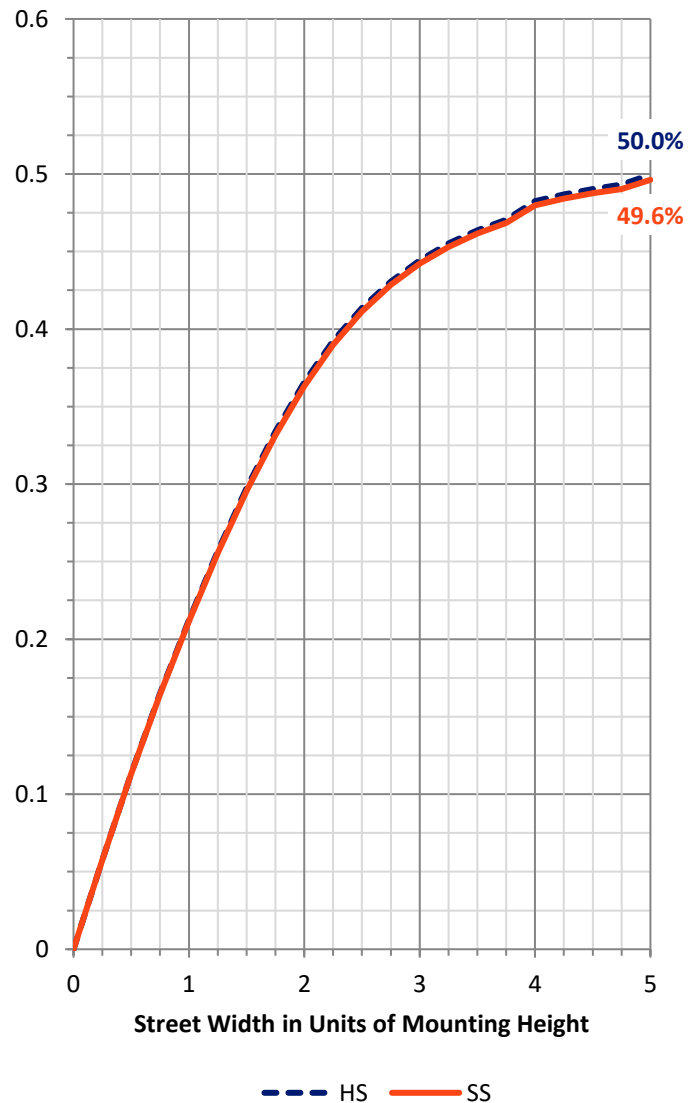
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	7062.5	0.0	7062.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	7062.5	0.0	7062.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	14125.0	0.0	14125.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	76.7	0.5
10°-20°	252.3	1.8
20°-30°	495.6	3.5
30°-40°	850.0	6.0
40°-50°	1560.8	11.0
50°-60°	2626.7	18.6
60°-70°	4150.2	29.4
70°-80°	3541.7	25.1
80°-90°	571.0	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°	14125.0	100.0
0°-180°	14125.0	100.0



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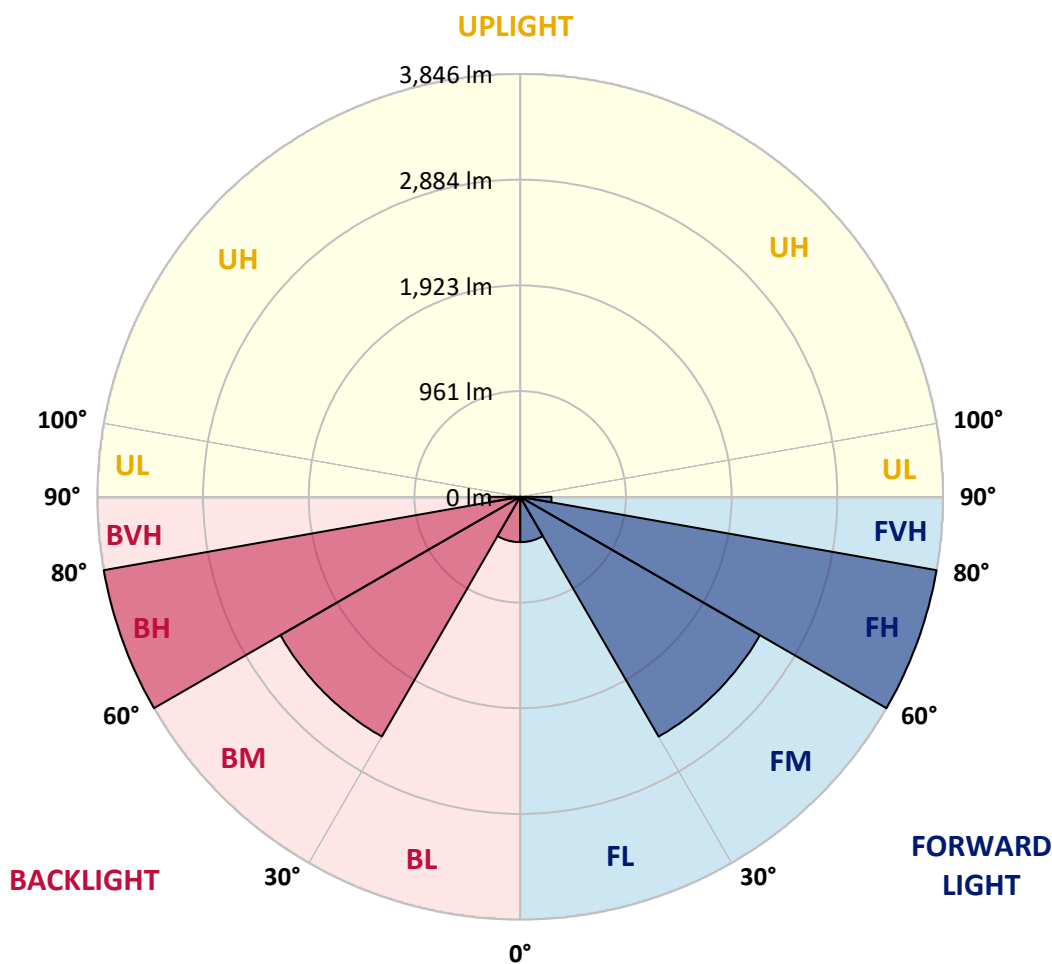
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	412.3	2.9			
FM	(30°-60°)	2518.7	17.8			
FH	(60°-80°)	3845.9	27.2			G2/5000
FVH	(80°-90°)	285.5	2.0			G3/500
BL	(0°-30°)	412.3	2.9	B1/500		
BM	(30°-60°)	2518.7	17.8	B3/5000		
BH	(60°-80°)	3845.9	27.2	B4/5000		G2/5000
BVH	(80°-90°)	285.5	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°	789.6	789.6	789.6	789.6	789.6	789.6	789.6	789.6	789.6	789.6	789.6
2.5°	791.0	795.5	791.0	791.0	788.1	786.6	786.6	786.6	789.6	792.5	792.5
5°	797.0	799.9	795.5	795.5	792.5	792.5	792.5	792.5	795.5	798.5	797.0
7.5°	807.4	811.8	807.4	807.4	804.4	801.4	801.4	802.9	804.4	805.9	804.4
10°	825.2	831.1	825.2	828.1	822.2	820.7	819.2	819.2	820.7	820.7	820.7
12.5°	847.4	851.9	848.9	851.9	846.0	846.0	841.5	841.5	840.0	840.0	840.0
15°	877.1	883.1	880.1	884.5	881.6	881.6	877.1	872.7	871.2	871.2	871.2
17.5°	912.7	918.7	917.2	924.6	921.6	924.6	915.7	908.3	909.8	909.8	908.3
20°	954.3	960.2	960.2	970.6	970.6	973.6	961.7	954.3	951.3	952.8	951.3
22.5°	1000.3	1006.2	1004.8	1021.1	1030.0	1030.0	1013.7	1007.7	1001.8	1003.3	1000.3
25°	1050.8	1058.2	1050.8	1065.6	1080.4	1081.9	1068.6	1053.7	1053.7	1061.1	1058.2
27.5°	1093.8	1102.7	1098.3	1104.2	1136.8	1145.7	1125.0	1108.6	1111.6	1117.5	1113.1
30°	1145.7	1153.2	1145.7	1150.2	1181.4	1211.0	1172.5	1168.0	1173.9	1179.9	1179.9
32.5°	1212.5	1221.4	1208.1	1212.5	1222.9	1268.9	1234.8	1240.7	1254.1	1267.4	1267.4
35°	1291.2	1300.1	1286.7	1286.7	1291.2	1329.8	1319.4	1337.2	1363.9	1392.1	1398.0
37.5°	1390.6	1395.1	1380.2	1374.3	1383.2	1414.4	1429.2	1469.3	1512.3	1564.3	1573.2
40°	1525.7	1531.6	1510.8	1504.9	1510.8	1555.4	1596.9	1668.2	1727.5	1782.4	1788.4
42.5°	1726.0	1743.8	1723.1	1703.8	1703.8	1743.8	1801.7	1887.8	1963.5	1999.1	2008.0
45°	1947.2	1963.5	1919.0	1893.7	1883.4	1916.0	1979.8	2080.7	2152.0	2209.9	2205.4
47.5°	2209.9	2203.9	2162.4	2117.8	2085.2	2106.0	2165.3	2252.9	2330.1	2382.0	2383.5
50°	2503.7	2502.2	2447.3	2359.8	2297.4	2306.3	2346.4	2439.9	2517.1	2566.0	2577.9
52.5°	2816.9	2806.5	2733.8	2632.8	2539.3	2509.7	2526.0	2609.1	2692.2	2748.6	2748.6
55°	3130.0	3116.7	3055.8	2922.2	2810.9	2730.8	2718.9	2802.0	2897.0	2965.3	2969.7
57.5°	3453.6	3456.5	3391.2	3276.9	3106.3	2983.1	2950.4	3045.4	3146.3	3208.7	3225.0
60°	3783.0	3780.1	3729.6	3649.5	3478.8	3318.5	3265.1	3320.0	3447.6	3496.6	3515.9
62.5°	4203.0	4213.4	4139.2	4082.8	3921.1	3766.7	3665.8	3719.2	3845.4	3913.6	3915.1
65°	4430.1	4450.9	4483.5	4585.9	4532.5	4375.2	4247.6	4185.2	4146.6	4124.4	4111.0
67.5°	4302.5	4304.0	4444.9	4706.2	5014.9	5115.8	4629.0	4192.6	4032.4	3987.8	3976.0
70°	3974.5	3983.4	4176.3	4608.2	5200.4	5290.9	4767.0	4023.5	3778.6	3636.1	3634.6
72.5°	3321.5	3429.8	3683.6	4323.3	5080.2	5069.8	4545.9	3750.4	3364.5	3223.5	3207.2
75°	2628.4	2659.5	3011.3	3731.1	4634.9	4721.0	4223.8	3260.6	2812.4	2626.9	2616.5
77.5°	1680.0	1708.2	2095.6	2895.5	3916.6	4125.9	3603.5	2604.6	2103.0	1843.3	1835.9
80°	820.7	900.9	1194.7	1884.8	2827.3	3024.6	2534.9	1665.2	1245.2	1000.3	979.5
82.5°	336.9	354.7	581.8	1043.3	1659.3	1792.8	1295.6	774.7	460.1	304.2	282.0
85°	100.9	102.4	178.1	372.5	699.0	506.1	261.2	111.3	49.0	35.6	34.1
87.5°	17.8	19.3	32.7	44.5	43.0	19.3	17.8	16.3	16.3	16.3	17.8
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)