

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: P509154

Luminaire Tested: **VERD-CA2-120-722-U-T5**

Issue Date: 3/4/2021

Test Information

Test Method: LM-79-08
Report Number: P509154
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-CA2-120-722-U-T5
Description: VERDEON ROADWAY AND AREA LUMINAIRE
(2) 70 CRI, 2200K, 1120mA LEDS AND TYPE V OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 14420 lumens
Efficiency: N/A
Efficacy: 117.5 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): 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

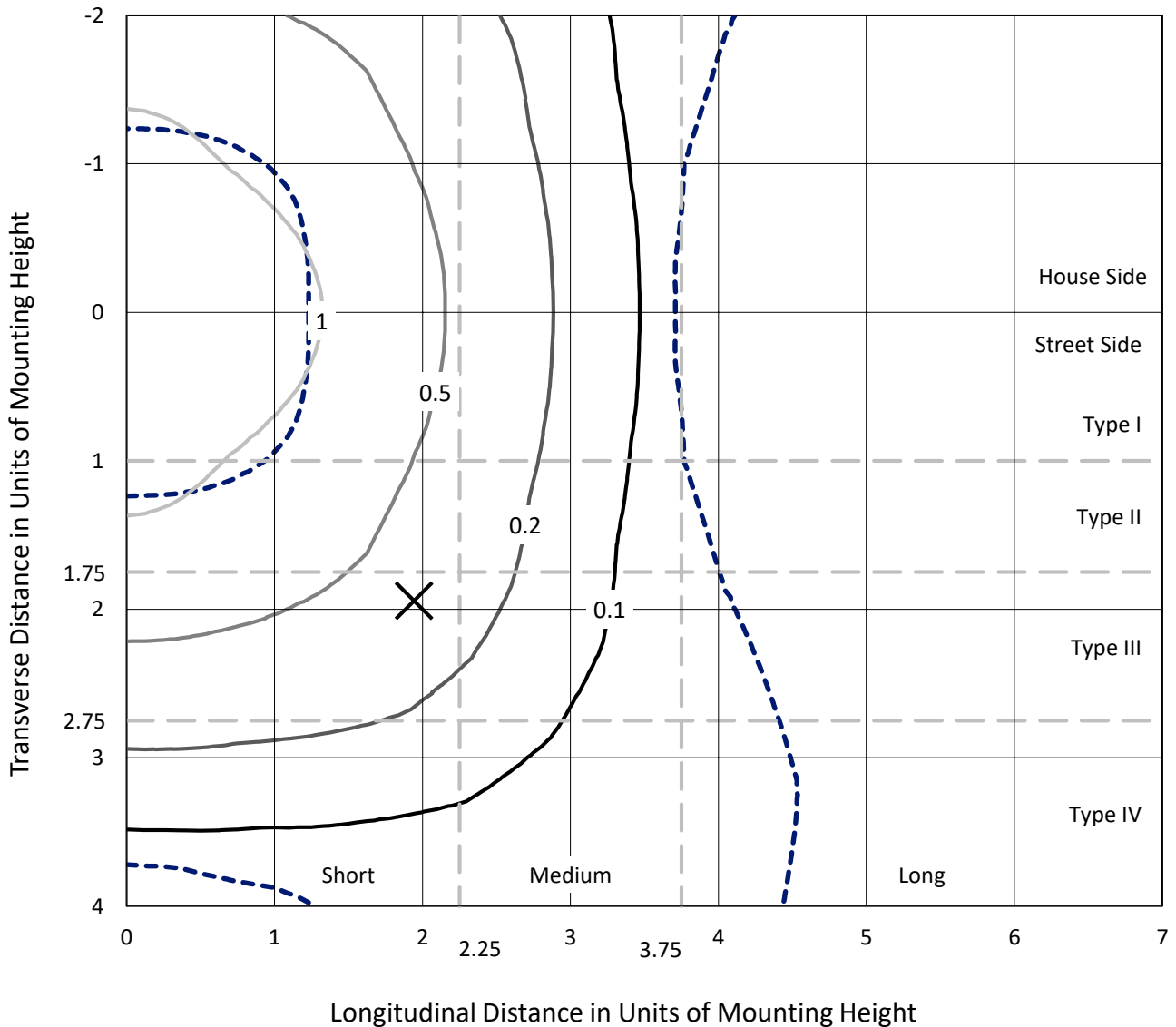


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Iso-Footcandle Lines of Horizontal Illumination

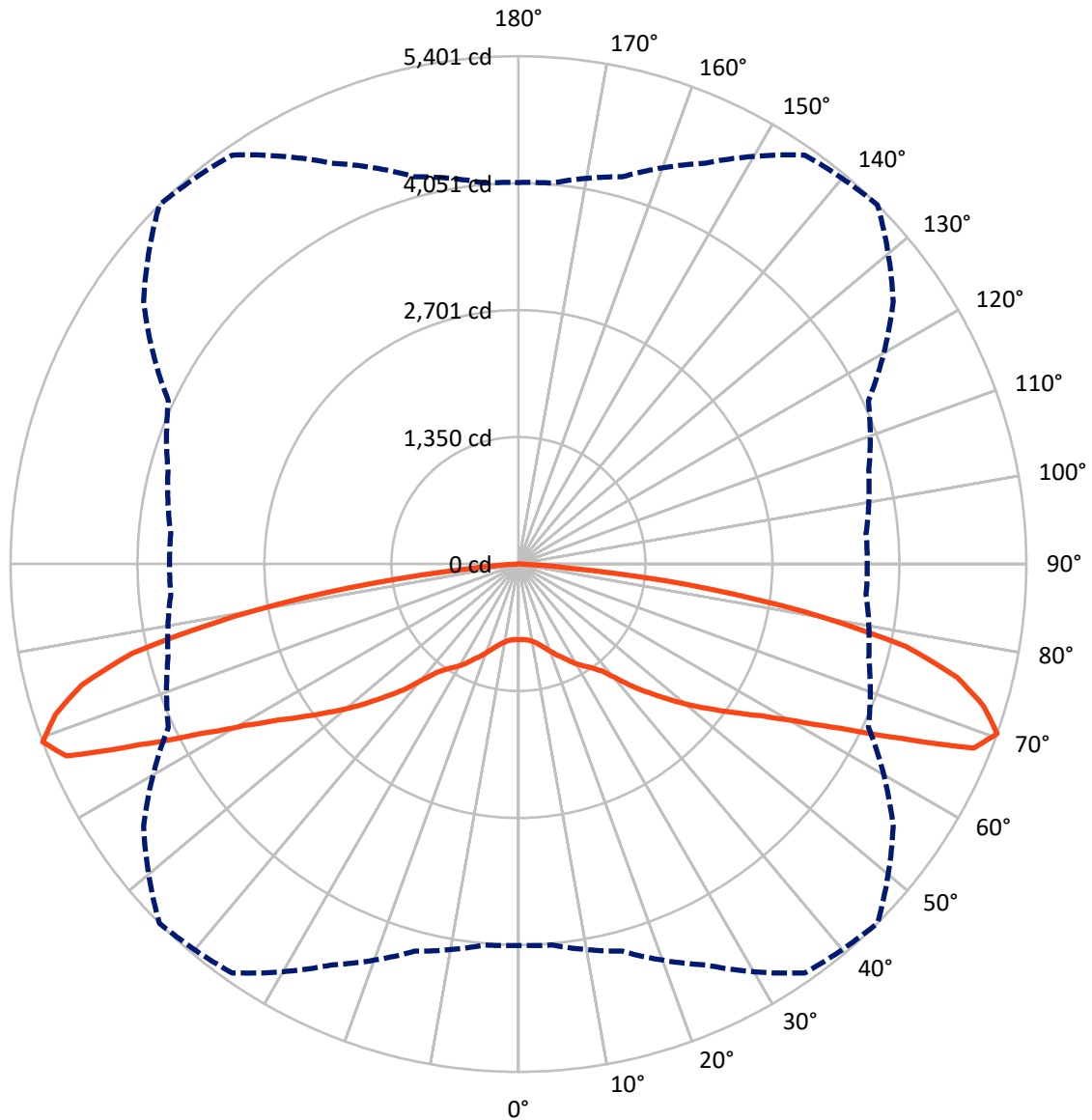
× Max cd
 - - - 1/2 Max cd



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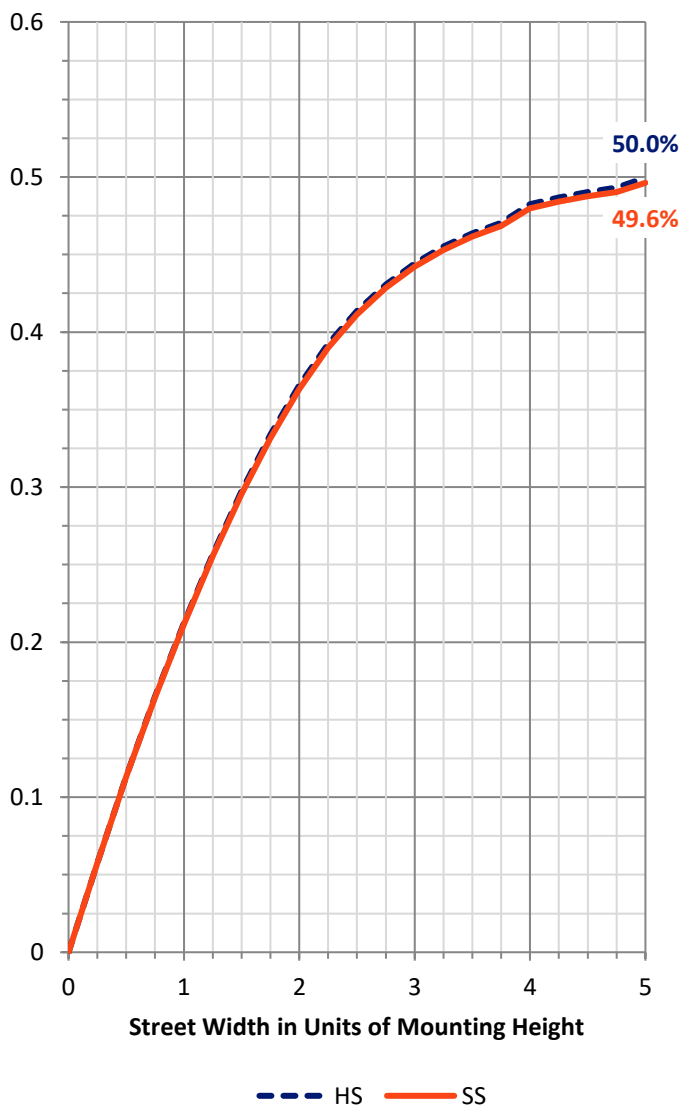
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	7210.0	0.0	7210.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	7210.0	0.0	7210.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	14420.0	0.0	14420.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	78.3	0.5
10°-20°	257.6	1.8
20°-30°	506.0	3.5
30°-40°	867.8	6.0
40°-50°	1593.4	11.0
50°-60°	2681.5	18.6
60°-70°	4236.9	29.4
70°-80°	3615.6	25.1
80°-90°	582.9	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°	14420.0	100.0
0°-180°	14420.0	100.0

Coefficient of Utilization



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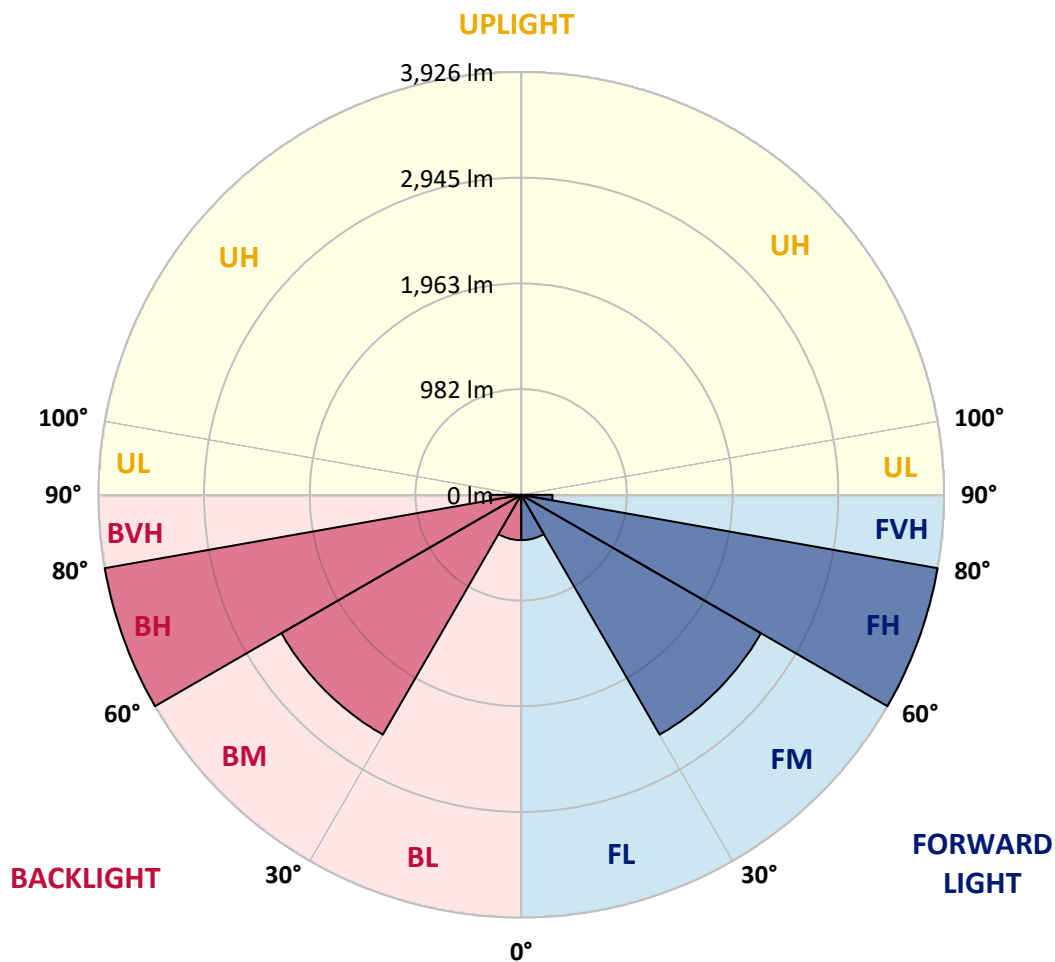
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	420.9	2.9			
FM (30°-60°)	2571.3	17.8			
FH (60°-80°)	3926.3	27.2			G2/5000
FVH (80°-90°)	291.5	2.0			G3/500
BL (0°-30°)	420.9	2.9	B1/500		
BM (30°-60°)	2571.3	17.8	B3/5000		
BH (60°-80°)	3926.3	27.2	B4/5000		G2/5000
BVH (80°-90°)	291.5	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°	806.0	806.0	806.0	806.0	806.0	806.0	806.0	806.0	806.0	806.0	806.0
2.5°	807.6	812.1	807.6	807.6	804.5	803.0	803.0	803.0	806.0	809.1	809.1
5°	813.6	816.6	812.1	812.1	809.1	809.1	809.1	809.1	812.1	815.1	813.6
7.5°	824.2	828.8	824.2	824.2	821.2	818.2	818.2	819.7	821.2	822.7	821.2
10°	842.4	848.5	842.4	845.4	839.4	837.9	836.3	836.3	837.9	837.9	837.9
12.5°	865.1	869.7	866.6	869.7	863.6	863.6	859.1	859.1	857.6	857.6	857.6
15°	895.4	901.5	898.5	903.0	900.0	900.0	895.4	890.9	889.4	889.4	889.4
17.5°	931.8	937.9	936.3	943.9	940.9	943.9	934.8	927.3	928.8	928.8	927.3
20°	974.2	980.3	980.3	990.9	990.9	993.9	981.8	974.2	971.2	972.7	971.2
22.5°	1021.2	1027.3	1025.7	1042.4	1051.5	1051.5	1034.8	1028.8	1022.7	1024.2	1021.2
25°	1072.7	1080.3	1072.7	1087.9	1103.0	1104.5	1090.9	1075.7	1075.7	1083.3	1080.3
27.5°	1116.6	1125.7	1121.2	1127.2	1160.6	1169.7	1148.5	1131.8	1134.8	1140.9	1136.3
30°	1169.7	1177.2	1169.7	1174.2	1206.0	1236.3	1196.9	1192.4	1198.5	1204.5	1204.5
32.5°	1237.9	1246.9	1233.3	1237.9	1248.5	1295.4	1260.6	1266.6	1280.3	1293.9	1293.9
35°	1318.2	1327.2	1313.6	1313.6	1318.2	1357.5	1346.9	1365.1	1392.4	1421.2	1427.2
37.5°	1419.7	1424.2	1409.1	1403.0	1412.1	1443.9	1459.1	1500.0	1543.9	1596.9	1606.0
40°	1557.5	1563.6	1542.4	1536.3	1542.4	1587.8	1630.3	1703.0	1763.6	1819.7	1825.7
42.5°	1762.1	1780.3	1759.1	1739.4	1739.4	1780.3	1839.4	1927.2	2004.5	2040.9	2050.0
45°	1987.8	2004.5	1959.0	1933.3	1922.7	1956.0	2021.2	2124.2	2196.9	2256.0	2251.5
47.5°	2256.0	2250.0	2207.5	2162.1	2128.7	2150.0	2210.6	2300.0	2378.7	2431.8	2433.3
50°	2556.0	2554.5	2498.4	2409.0	2345.4	2354.5	2395.4	2490.9	2569.6	2619.6	2631.8
52.5°	2875.7	2865.1	2790.8	2687.8	2592.4	2562.1	2578.7	2663.6	2748.4	2806.0	2806.0
55°	3195.4	3181.8	3119.6	2983.3	2869.6	2787.8	2775.7	2860.5	2957.5	3027.2	3031.8
57.5°	3525.7	3528.7	3462.0	3345.4	3171.1	3045.4	3012.1	3109.0	3212.1	3275.7	3292.4
60°	3862.0	3859.0	3807.5	3725.7	3551.4	3387.8	3333.3	3389.3	3519.6	3569.6	3589.3
62.5°	4290.8	4301.4	4225.7	4168.1	4002.9	3845.4	3742.3	3796.9	3925.7	3995.4	3996.9
65°	4522.6	4543.8	4577.2	4681.7	4627.2	4466.6	4336.3	4272.6	4233.2	4210.5	4196.9
67.5°	4392.3	4393.8	4537.8	4804.4	5119.6	5222.6	4725.7	4280.2	4116.6	4071.1	4059.0
70°	4057.5	4066.6	4263.5	4704.4	5309.0	5401.4	4866.6	4107.5	3857.5	3712.0	3710.5
72.5°	3390.8	3501.4	3760.5	4413.5	5186.3	5175.6	4640.8	3828.7	3434.8	3290.8	3274.2
75°	2683.3	2715.1	3074.2	3809.0	4731.7	4819.6	4312.0	3328.7	2871.2	2681.8	2671.2
77.5°	1715.1	1743.9	2139.3	2956.0	3998.4	4212.0	3678.7	2659.0	2146.9	1881.8	1874.2
80°	837.9	919.7	1219.7	1924.2	2886.3	3087.8	2587.8	1700.0	1271.2	1021.2	1000.0
82.5°	343.9	362.1	593.9	1065.1	1693.9	1830.3	1322.7	790.9	469.7	310.6	287.9
85°	103.0	104.5	181.8	380.3	713.6	516.7	266.7	113.6	50.0	36.4	34.8
87.5°	18.2	19.7	33.3	45.5	43.9	19.7	18.2	16.7	16.7	16.7	18.2
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)