

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: P509458

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

Issue Date: 4/6/2021

Test Information

Test Method: LM-79-08
Report Number: P509458
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2102-155-8)
Test Lab: INNOVATION CENTER
Issue Date: 4/6/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: VERD-G-CA2-100-730-U-T5
Description: VERDEON-G ROADWAY AND AREA LUMINAIRE
(2) 70 CRI, 3000K, 930mA LEDS AND TYPE V OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 15278 lumens
Efficiency: N/A
Efficacy: 148.9 lumens/watt
Luminous Opening: Rectangular (W 0.9' x L: 1.25' x H: 0')
IES Classification: Type V - Short
BUG Rating: B4 - U0 - G3

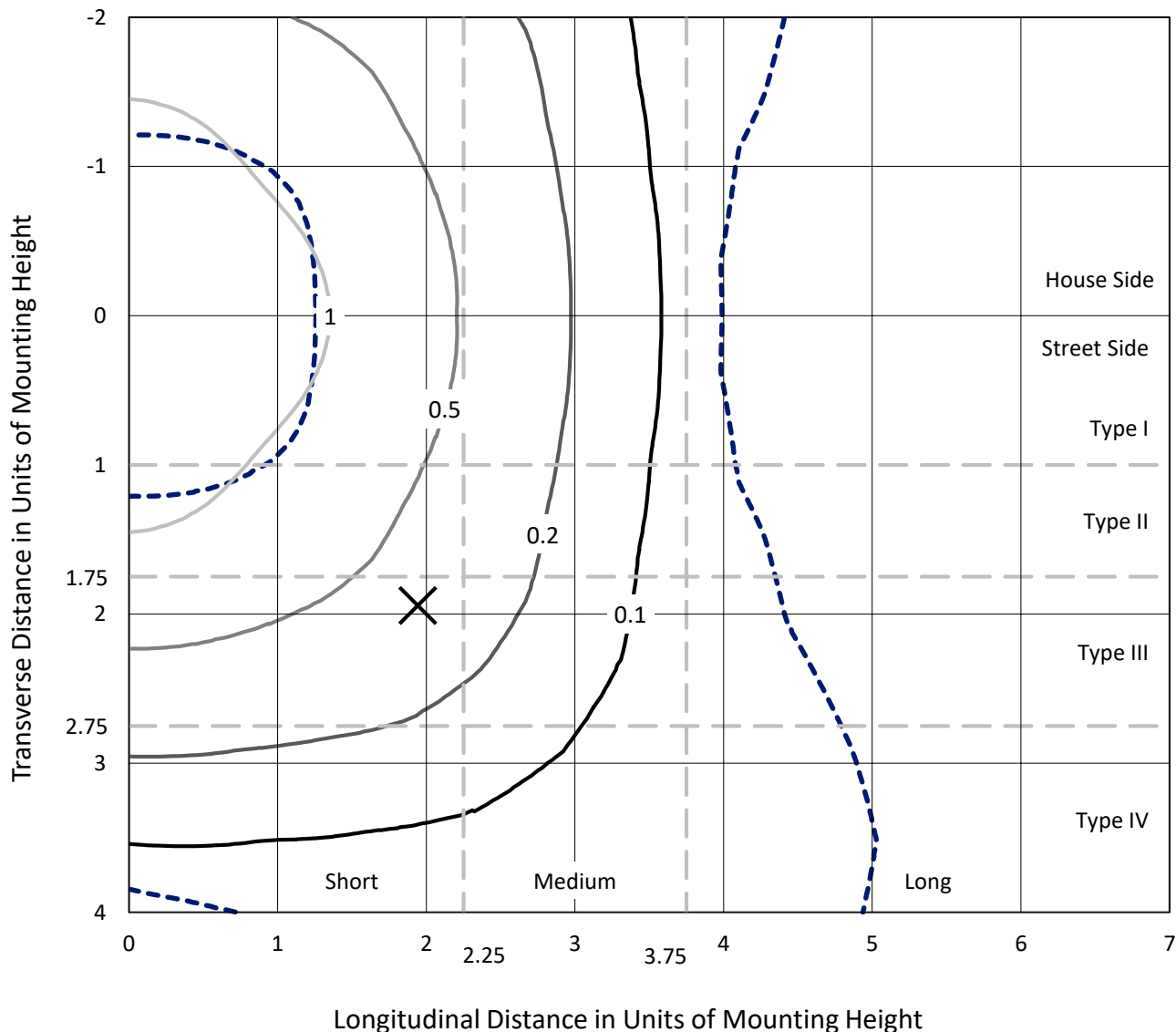
Input Watts (W): 102.6
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

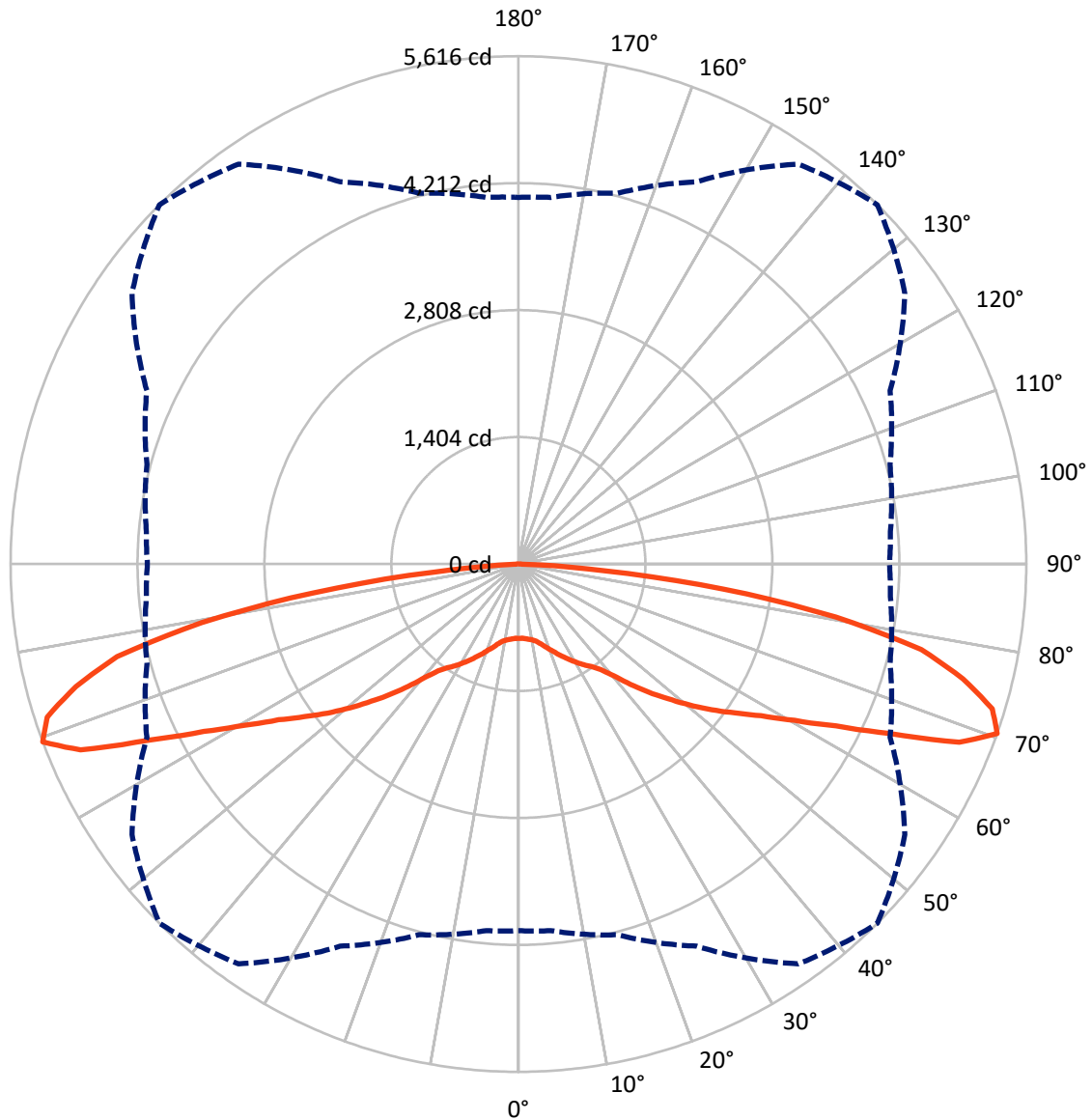
× Max cd
 - - - 1/2 Max cd



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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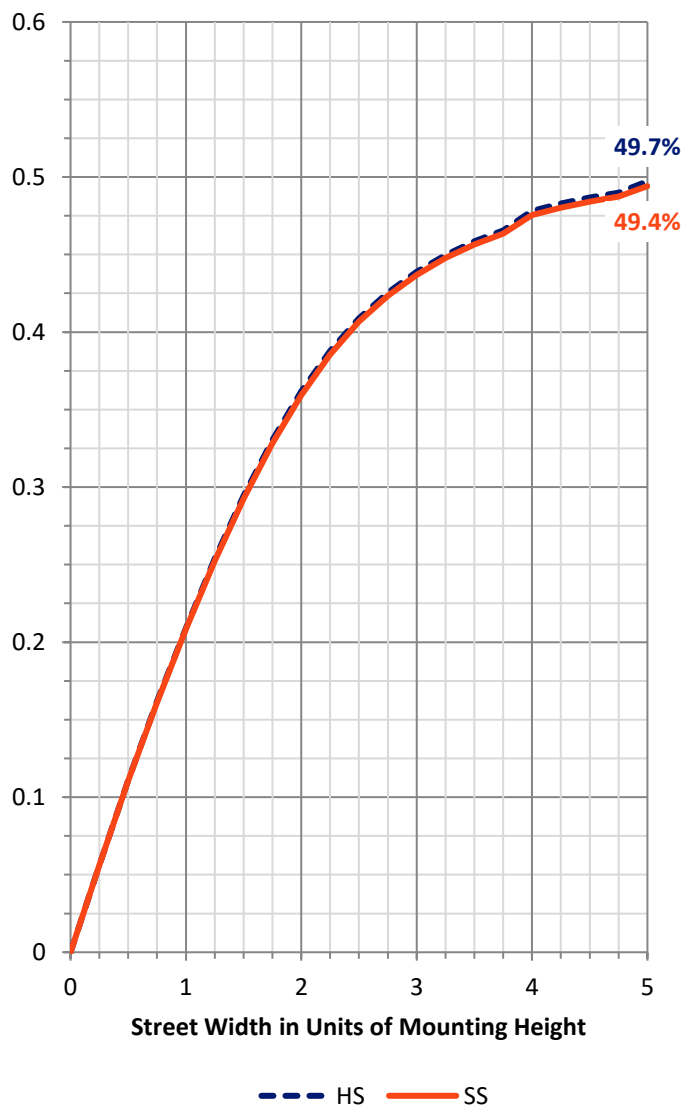
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	7639.0	0.0	7639.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	7639.0	0.0	7639.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	15278.0	0.0	15278.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	80.2	0.5
10°-20°	262.5	1.7
20°-30°	516.4	3.4
30°-40°	884.4	5.8
40°-50°	1650.0	10.8
50°-60°	2785.9	18.2
60°-70°	4369.1	28.6
70°-80°	3944.1	25.8
80°-90°	785.5	5.1
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°	15278.0	100.0
0°-180°	15278.0	100.0

Coefficient of Utilization



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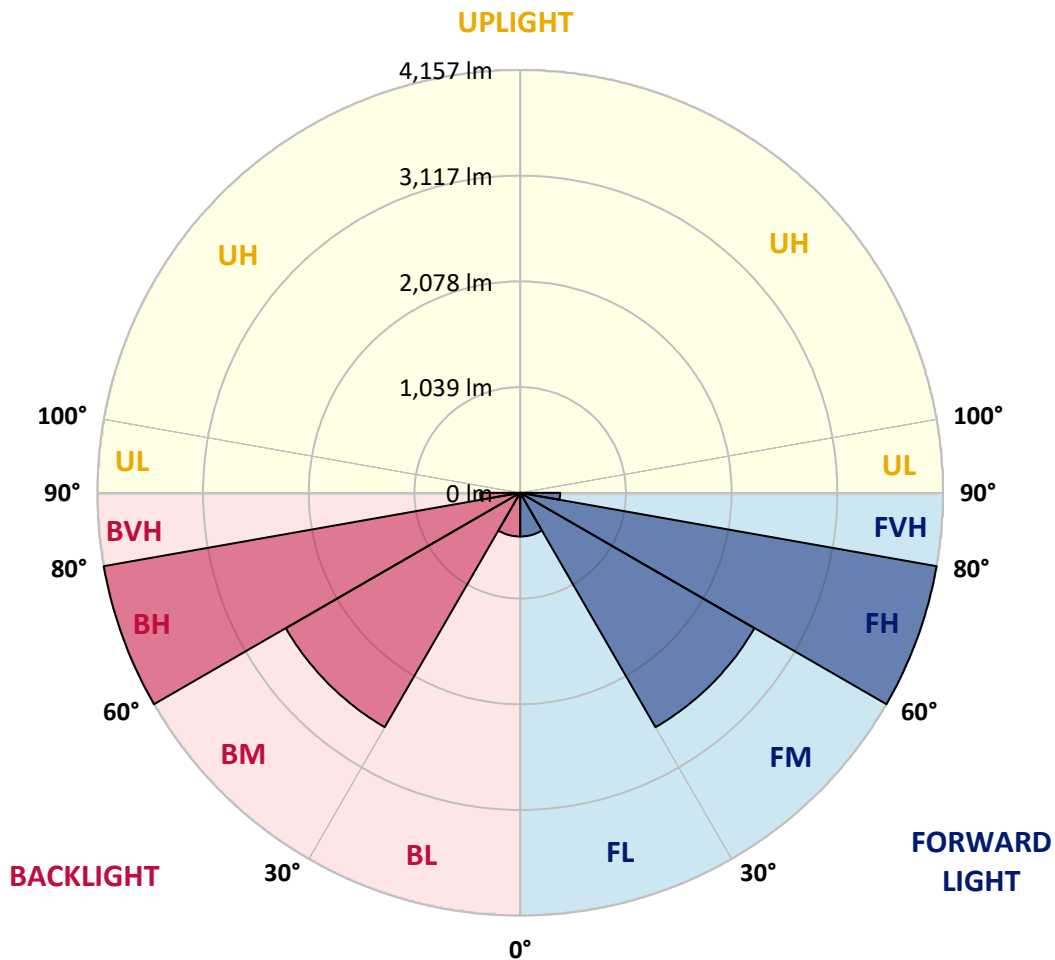
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	429.5	2.8			
FM	(30°-60°)	2660.1	17.4			
FH	(60°-80°)	4156.6	27.2			G2/5000
FVH	(80°-90°)	392.7	2.6			G3/500
BL	(0°-30°)	429.5	2.8	B1/500		
BM	(30°-60°)	2660.1	17.4	B3/5000		
BH	(60°-80°)	4156.6	27.2	B4/5000		G2/5000
BVH	(80°-90°)	392.7	2.6			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°	822.8	822.8	822.8	822.8	822.8	822.8	822.8	822.8	822.8	822.8	822.8
2.5°	836.6	836.6	827.7	822.8	823.8	820.9	820.9	819.9	822.8	822.8	819.9
5°	841.5	845.4	836.6	829.7	831.7	829.7	828.7	829.7	834.6	836.6	832.7
7.5°	851.3	855.2	844.4	836.6	839.5	840.5	836.6	839.5	842.5	844.4	839.5
10°	867.0	868.0	861.1	850.3	855.2	853.3	852.3	850.3	851.3	852.3	851.3
12.5°	889.6	885.7	877.8	874.9	879.8	875.9	870.9	870.0	873.9	870.9	873.9
15°	918.1	915.1	914.1	911.2	919.1	914.1	912.2	909.2	912.2	906.3	910.2
17.5°	949.5	953.4	954.4	957.4	964.2	963.2	956.4	954.4	955.4	949.5	949.5
20°	995.6	997.6	1000.6	1001.5	1013.3	1011.4	1003.5	996.6	998.6	988.8	985.8
22.5°	1047.7	1047.7	1046.7	1054.6	1070.3	1070.3	1053.6	1045.7	1048.7	1041.8	1035.9
25°	1098.7	1098.7	1094.8	1105.6	1130.2	1129.2	1112.5	1097.8	1102.7	1098.7	1097.8
27.5°	1151.8	1151.8	1145.9	1149.8	1192.0	1195.0	1171.4	1157.7	1156.7	1160.6	1160.6
30°	1209.7	1206.8	1201.8	1196.9	1245.0	1259.8	1227.4	1216.6	1217.6	1223.4	1225.4
32.5°	1275.5	1278.4	1270.6	1261.7	1299.1	1328.5	1283.3	1288.3	1291.2	1300.0	1306.9
35°	1370.7	1370.7	1353.1	1342.3	1364.8	1391.4	1367.8	1378.6	1396.3	1409.0	1414.9
37.5°	1477.8	1482.7	1458.1	1434.6	1459.1	1479.7	1478.7	1506.2	1541.6	1584.8	1575.9
40°	1657.4	1658.4	1616.2	1579.9	1587.7	1623.1	1649.6	1700.6	1751.7	1801.8	1798.8
42.5°	1902.9	1888.2	1853.8	1807.7	1801.8	1818.5	1877.4	1930.4	1998.2	2034.5	2042.3
45°	2163.1	2160.2	2113.0	2039.4	2020.7	2021.7	2071.8	2147.4	2223.0	2261.3	2267.2
47.5°	2444.9	2443.9	2371.3	2297.6	2243.6	2224.0	2267.2	2342.8	2422.3	2469.5	2465.5
50°	2742.4	2730.7	2662.9	2566.7	2494.0	2447.9	2471.4	2552.0	2620.7	2666.8	2666.8
52.5°	3041.9	3029.2	2964.4	2852.4	2739.5	2676.7	2665.9	2740.5	2823.9	2874.0	2873.0
55°	3374.8	3349.3	3272.7	3152.9	3022.3	2905.4	2878.9	2937.8	3040.9	3100.8	3120.5
57.5°	3692.9	3676.2	3604.6	3472.0	3324.7	3162.7	3116.5	3189.2	3294.3	3360.1	3377.7
60°	4015.0	3990.4	3928.6	3830.4	3671.3	3509.3	3435.7	3478.9	3594.7	3668.4	3654.6
62.5°	4369.5	4360.6	4308.6	4217.3	4121.0	3941.3	3827.4	3871.6	3993.4	4053.3	4030.7
65°	4642.4	4655.2	4670.9	4681.7	4655.2	4517.7	4389.1	4441.1	4489.2	4495.1	4460.8
67.5°	4431.3	4488.3	4606.1	4859.4	5155.0	5259.1	5004.7	4658.1	4474.5	4430.3	4377.3
70°	4054.3	4069.0	4243.8	4662.1	5397.5	5615.5	5215.8	4533.4	4252.6	4128.9	4102.4
72.5°	3530.9	3610.4	3820.6	4381.2	5223.7	5479.0	5097.0	4263.4	3844.1	3682.1	3649.7
75°	2918.2	3023.3	3266.8	3909.9	4797.6	5078.4	4731.8	3769.5	3241.2	3074.3	3065.5
77.5°	2164.1	2208.3	2557.8	3218.7	4257.5	4554.0	4173.1	3114.6	2588.3	2322.2	2332.0
80°	1199.9	1251.9	1592.6	2218.1	3239.3	3560.4	3175.5	2243.6	1718.3	1507.2	1491.5
82.5°	528.3	568.5	801.2	1251.9	2011.9	2290.8	1901.9	1185.2	798.3	603.9	581.3
85°	158.1	174.8	275.9	501.8	960.3	948.5	606.8	272.0	109.0	59.9	57.0
87.5°	37.3	41.2	74.6	114.9	122.7	46.1	21.6	18.7	18.7	18.7	18.7
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)