

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: P553510

Luminaire Tested: **VERD-G-CA2-140-727-U-T5**

Issue Date: 7/12/2021

Test Information

Test Method: LM-79-08
Report Number: P553510
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2102-155-8)
Test Lab: INNOVATION CENTER
Issue Date: 7/12/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: VERD-G-CA2-140-727-U-T5
Description: VERDEON-G ROADWAY AND AREA LUMINAIRE
(2) 70 CRI, 2700K, 1290mA LEDS AND TYPE V OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 17881 lumens
Efficiency: N/A
Efficacy: 125.6 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

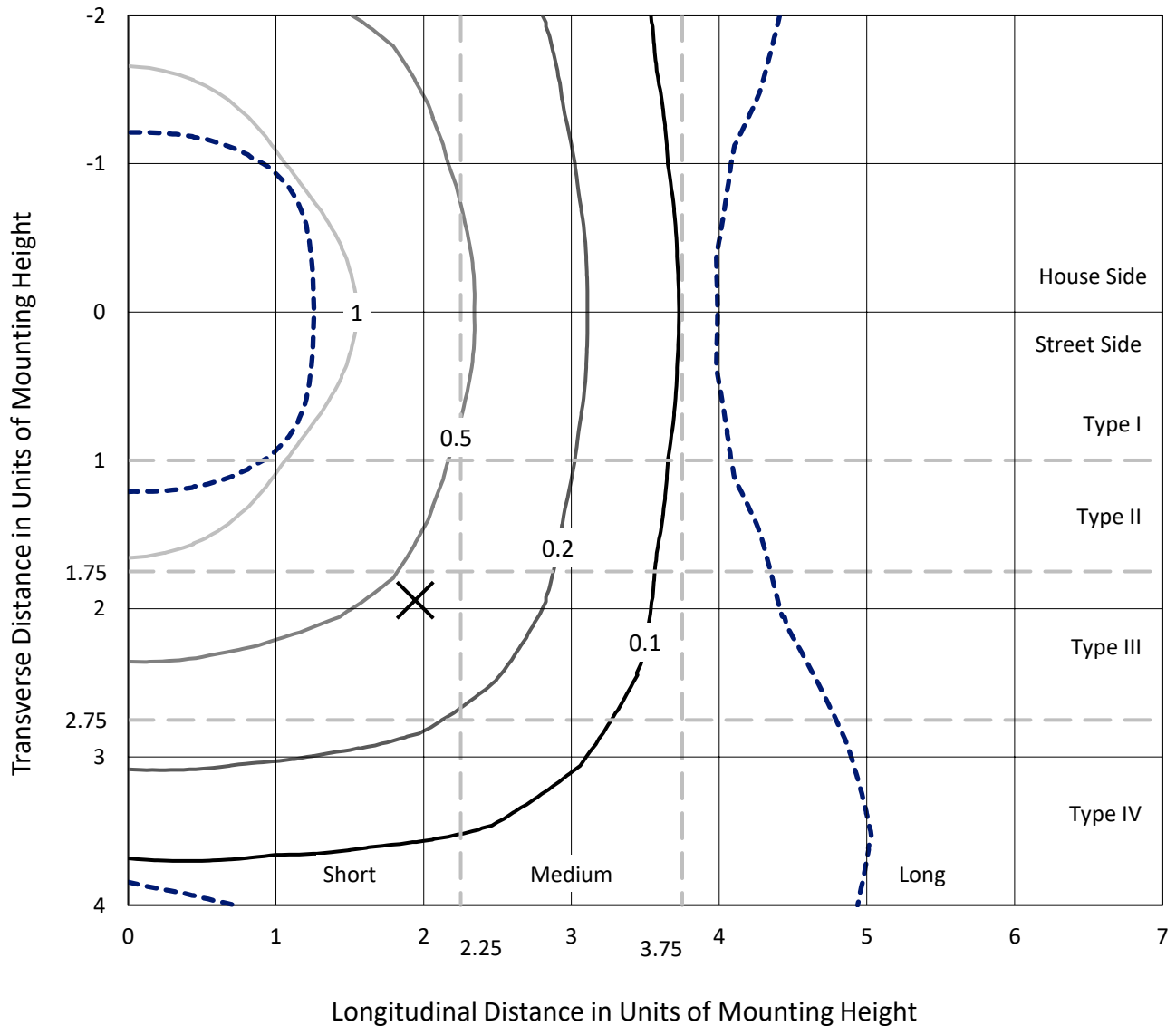
Input Watts (W): 142.4
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P553510
 CATALOG NUMBER: VERD-G-CA2-140-727-U-T5

Iso-Footcandle Lines of Horizontal Illumination

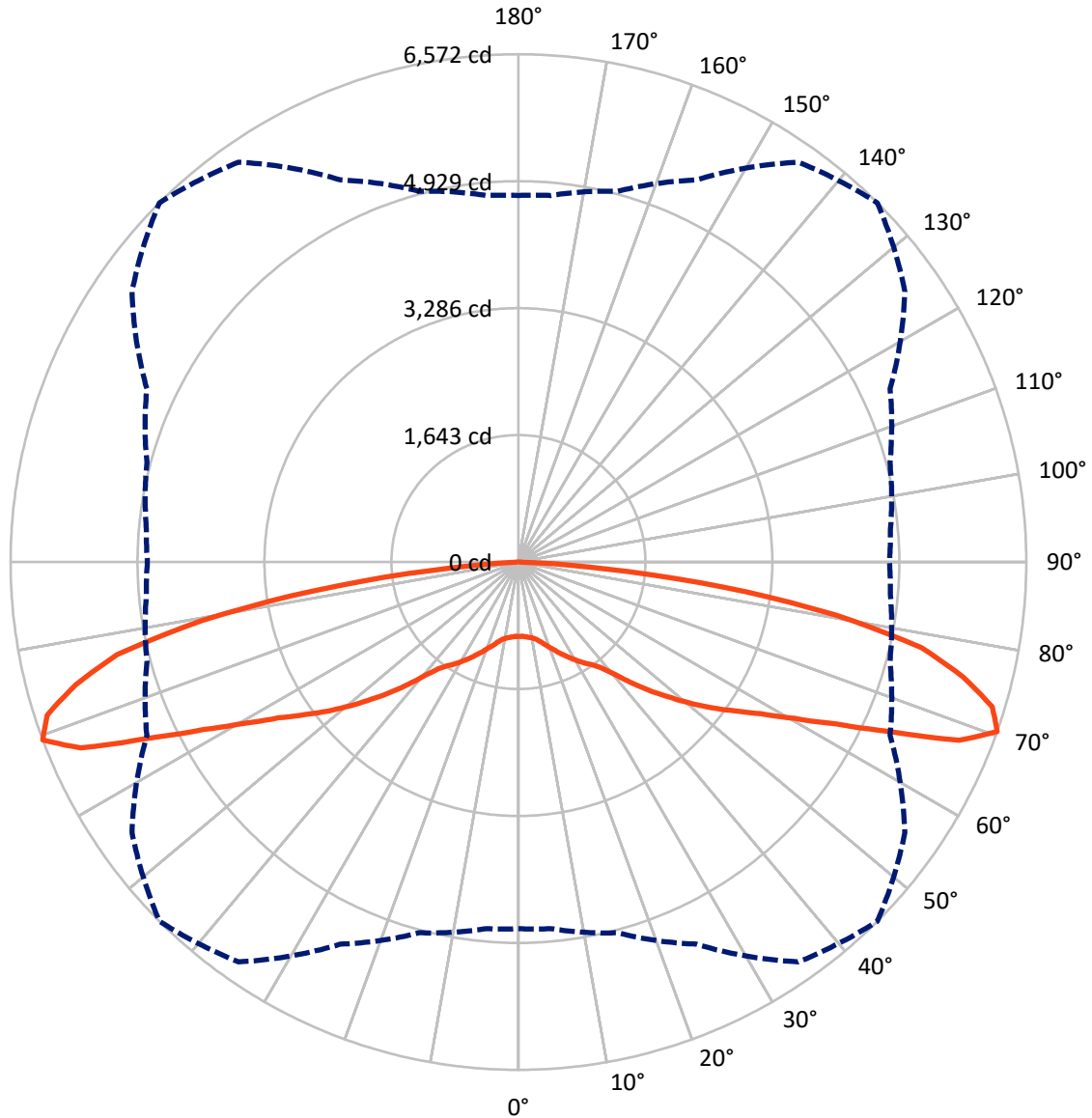
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.6 fc
 Type V - Short - N/A

REPORT NUMBER: P553510
CATALOG NUMBER: VERD-G-CA2-140-727-U-T5

Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 70-Deg Vertical

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CATALOG NUMBER: VERD-G-CA2-140-727-U-T5

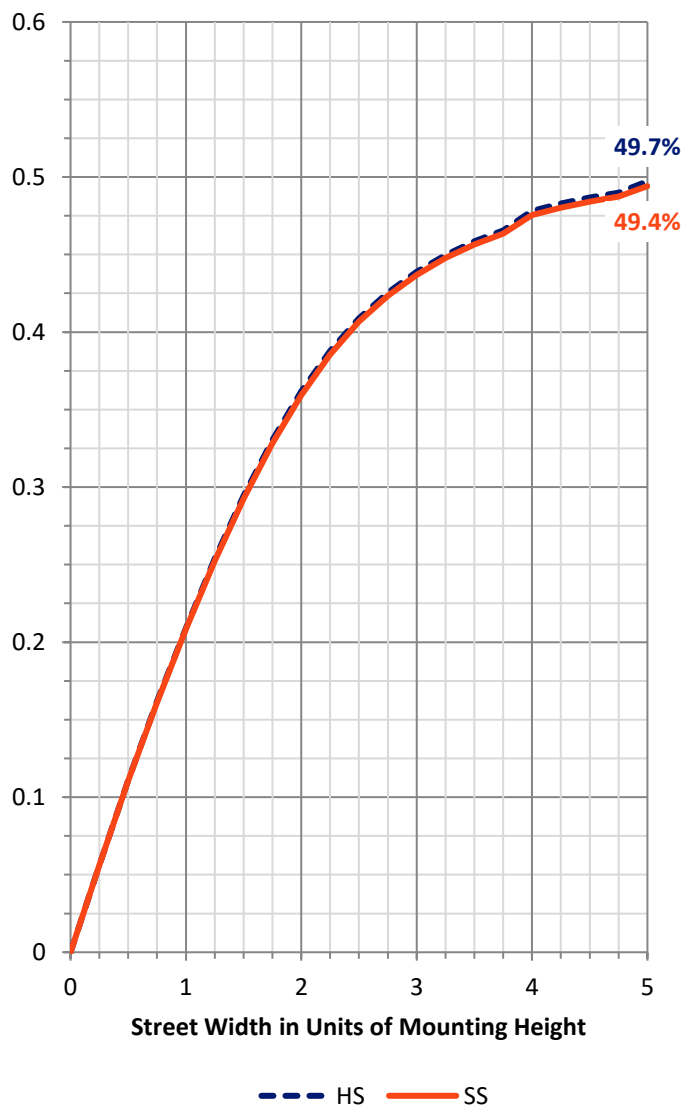
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	8940.5	0.0	8940.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	8940.5	0.0	8940.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	17881.0	0.0	17881.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	93.8	0.5
10°-20°	307.2	1.7
20°-30°	604.4	3.4
30°-40°	1035.0	5.8
40°-50°	1931.1	10.8
50°-60°	3260.5	18.2
60°-70°	5113.5	28.6
70°-80°	4616.1	25.8
80°-90°	919.3	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°	17881.0	100.0
0°-180°	17881.0	100.0

Coefficient of Utilization



REPORT NUMBER: P553510

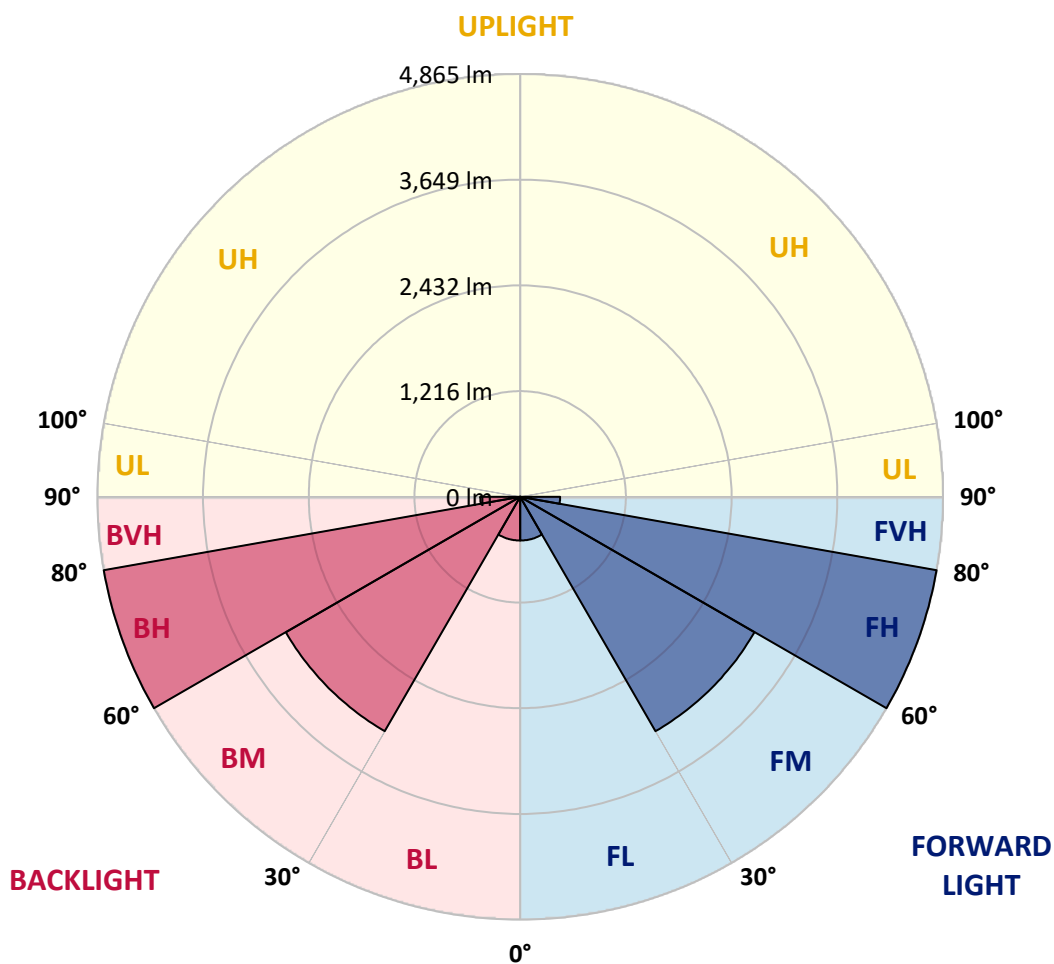
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	502.7	2.8			
FM	(30°-60°)	3113.3	17.4			
FH	(60°-80°)	4864.8	27.2			G2/5000
FVH	(80°-90°)	459.6	2.6			G3/500
BL	(0°-30°)	502.7	2.8	B2/1000		
BM	(30°-60°)	3113.3	17.4	B3/5000		
BH	(60°-80°)	4864.8	27.2	B4/5000		G2/5000
BVH	(80°-90°)	459.6	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





REPORT NUMBER: P553510

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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	963.0	963.0	963.0	963.0	963.0	963.0	963.0	963.0	963.0	963.0	963.0
2.5°	979.1	979.1	968.8	963.0	964.2	960.7	960.7	959.6	963.0	963.0	959.6
5°	984.9	989.5	979.1	971.1	973.4	971.1	969.9	971.1	976.8	979.1	974.5
7.5°	996.3	1000.9	988.3	979.1	982.6	983.7	979.1	982.6	986.0	988.3	982.6
10°	1014.7	1015.9	1007.8	995.2	1000.9	998.6	997.5	995.2	996.3	997.5	996.3
12.5°	1041.2	1036.6	1027.4	1023.9	1029.7	1025.1	1019.3	1018.2	1022.8	1019.3	1022.8
15°	1074.5	1071.0	1069.9	1066.4	1075.6	1069.9	1067.6	1064.2	1067.6	1060.7	1065.3
17.5°	1111.3	1115.9	1117.0	1120.5	1128.5	1127.4	1119.3	1117.0	1118.2	1111.3	1111.3
20°	1165.3	1167.6	1171.0	1172.2	1186.0	1183.7	1174.5	1166.4	1168.7	1157.2	1153.8
22.5°	1226.2	1226.2	1225.0	1234.2	1252.6	1252.6	1233.1	1223.9	1227.3	1219.3	1212.4
25°	1285.9	1285.9	1281.3	1294.0	1322.7	1321.6	1302.0	1284.8	1290.5	1285.9	1284.8
27.5°	1348.0	1348.0	1341.1	1345.7	1395.1	1398.6	1371.0	1354.9	1353.7	1358.3	1358.3
30°	1415.8	1412.4	1406.6	1400.9	1457.2	1474.4	1436.5	1423.8	1425.0	1431.9	1434.2
32.5°	1492.8	1496.2	1487.1	1476.7	1520.4	1554.9	1502.0	1507.7	1511.2	1521.5	1529.6
35°	1604.3	1604.3	1583.6	1570.9	1597.4	1628.4	1600.8	1613.5	1634.1	1649.1	1656.0
37.5°	1729.5	1735.3	1706.5	1679.0	1707.7	1731.8	1730.7	1762.9	1804.2	1854.8	1844.5
40°	1939.8	1941.0	1891.6	1849.0	1858.2	1899.6	1930.6	1990.4	2050.2	2108.8	2105.3
42.5°	2227.1	2209.9	2169.7	2115.7	2108.8	2128.3	2197.3	2259.3	2338.6	2381.1	2390.3
45°	2531.7	2528.2	2473.1	2386.9	2365.0	2366.2	2424.8	2513.3	2601.8	2646.6	2653.5
47.5°	2861.5	2860.3	2775.3	2689.1	2625.9	2602.9	2653.5	2742.0	2835.1	2890.2	2885.6
50°	3209.7	3195.9	3116.6	3004.0	2918.9	2864.9	2892.5	2986.7	3067.2	3121.2	3121.2
52.5°	3560.2	3545.3	3469.4	3338.4	3206.2	3132.7	3120.1	3207.4	3305.1	3363.7	3362.5
55°	3949.8	3919.9	3830.3	3690.1	3537.2	3400.5	3369.4	3438.4	3559.0	3629.1	3652.1
57.5°	4322.1	4302.6	4218.7	4063.5	3891.2	3701.5	3647.5	3732.6	3855.5	3932.5	3953.2
60°	4699.0	4670.3	4597.9	4483.0	4296.8	4107.2	4021.0	4071.6	4207.2	4293.4	4277.3
62.5°	5113.9	5103.6	5042.6	4935.8	4823.2	4612.9	4479.5	4531.3	4673.8	4743.9	4717.4
65°	5433.4	5448.3	5466.7	5479.3	5448.3	5287.4	5136.9	5197.8	5254.1	5261.0	5220.8
67.5°	5186.3	5253.0	5390.9	5687.3	6033.3	6155.1	5857.4	5451.8	5236.9	5185.1	5123.1
70°	4745.0	4762.2	4966.8	5456.4	6317.1	6572.2	6104.5	5305.8	4977.1	4832.3	4801.3
72.5°	4132.5	4225.6	4471.5	5127.7	6113.7	6412.5	5965.4	4989.8	4499.1	4309.5	4271.5
75°	3415.4	3538.4	3823.4	4576.1	5614.9	5943.6	5537.9	4411.7	3793.5	3598.1	3587.8
77.5°	2532.8	2584.5	2993.6	3767.0	4982.9	5329.9	4884.1	3645.2	3029.3	2717.8	2729.3
80°	1404.3	1465.2	1864.0	2596.0	3791.2	4167.0	3716.5	2625.9	2011.1	1764.0	1745.6
82.5°	618.3	665.4	937.7	1465.2	2354.7	2681.1	2226.0	1387.1	934.3	706.8	680.3
85°	185.0	204.6	322.9	587.2	1123.9	1110.1	710.2	318.3	127.6	70.1	66.7
87.5°	43.7	48.3	87.3	134.5	143.6	54.0	25.3	21.8	21.8	21.8	21.8
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)