

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: P509490

Luminaire Tested: **VERD-G-CA2-110-722-U-T5**

Issue Date: 4/6/2021

Test Information

Test Method: LM-79-08
Report Number: P509490
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-CA2-110-722-U-T5
Description: VERDEON-G ROADWAY AND AREA LUMINAIRE
(2) 70 CRI, 2200K, 1020mA LEDS AND TYPE V OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 13786 lumens
Efficiency: N/A
Efficacy: 121.8 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

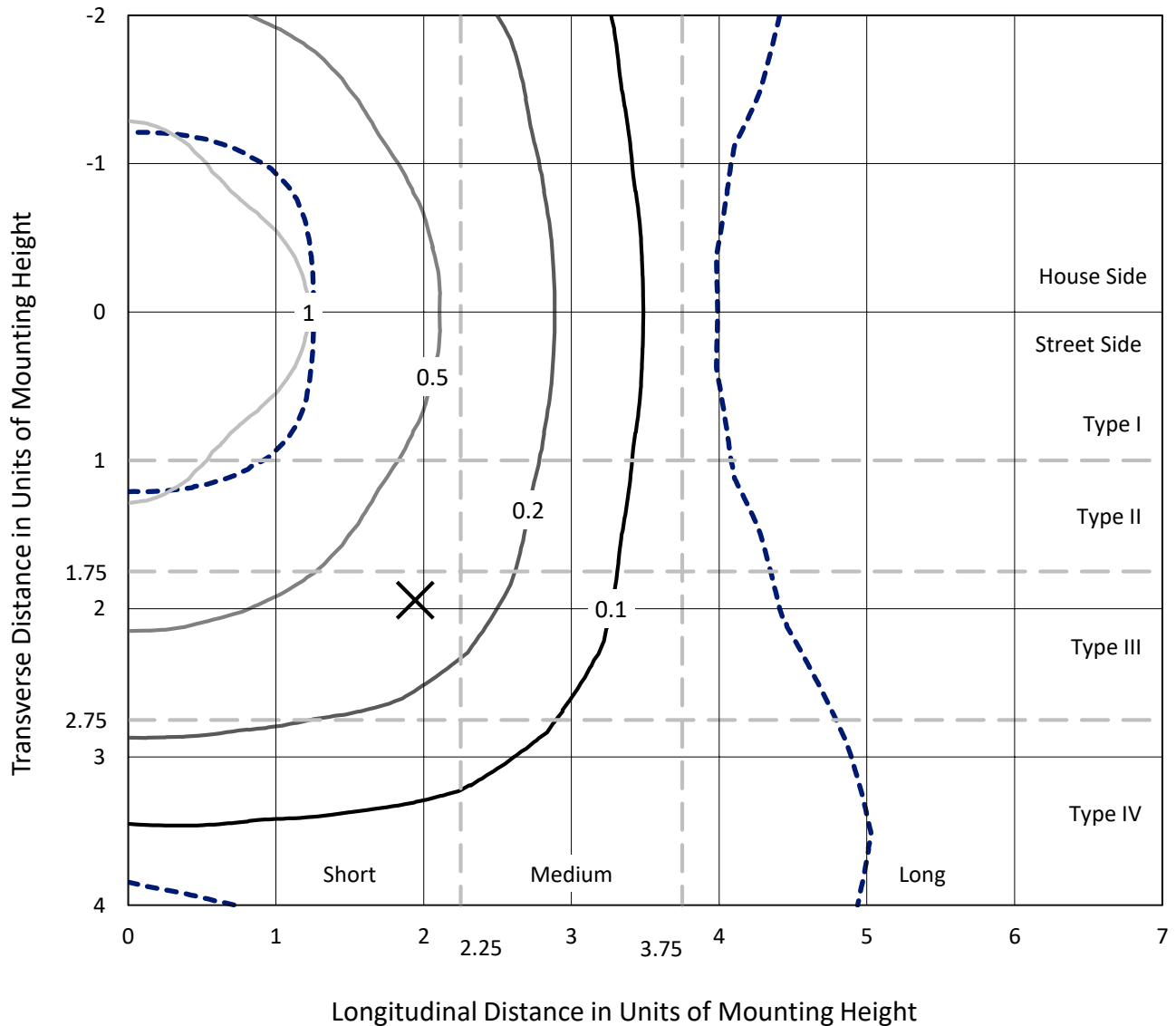
Input Watts (W): 113.2
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P509490
 CATALOG NUMBER: VERD-G-CA2-110-722-U-T5

Iso-Footcandle Lines of Horizontal Illumination

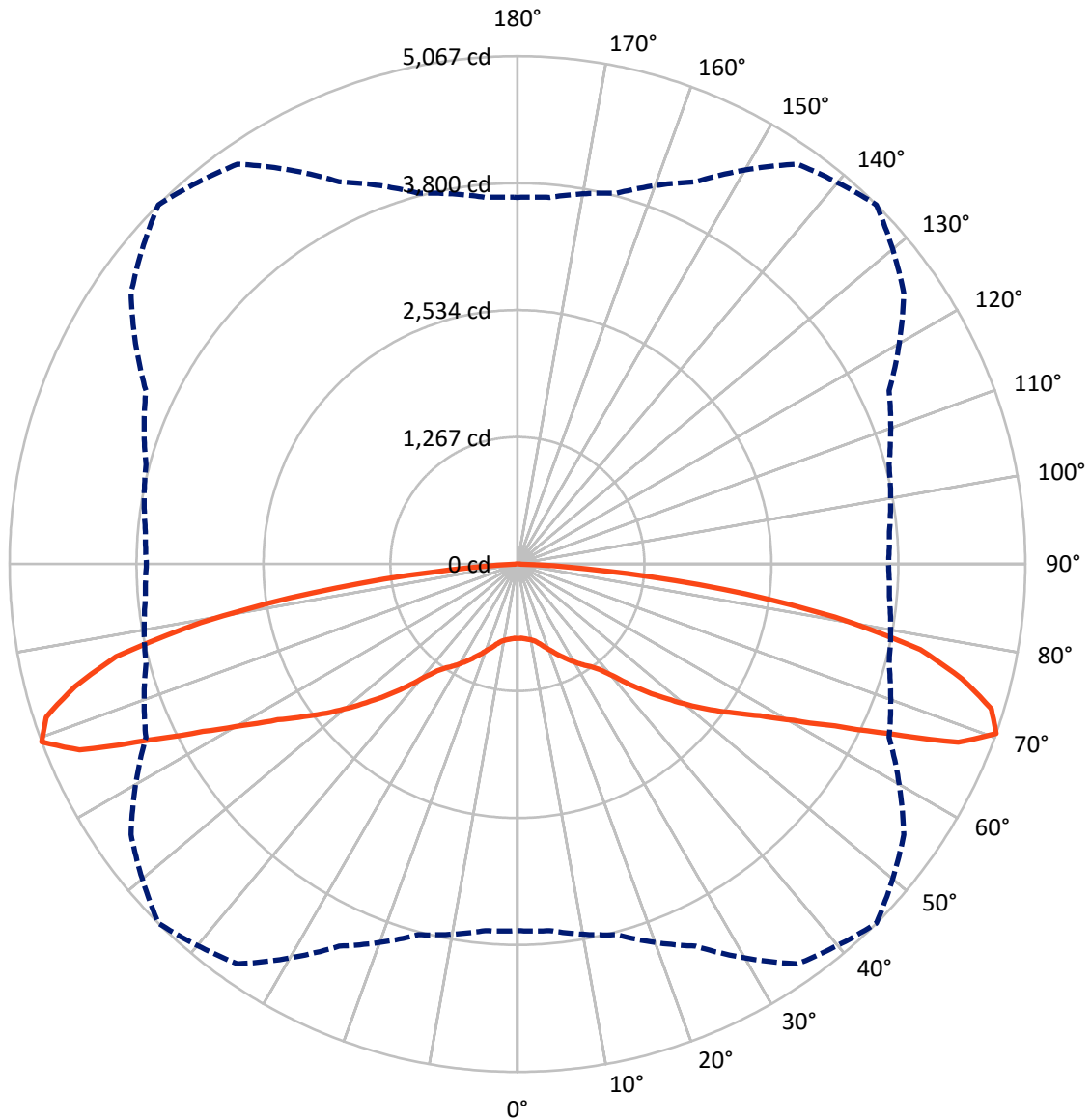
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.2 fc
 Type V - Short - N/A

REPORT NUMBER: P509490
CATALOG NUMBER: VERD-G-CA2-110-722-U-T5

Luminous Intensity Polar Plot



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

REPORT NUMBER: P509490

CATALOG NUMBER: VERD-G-CA2-110-722-U-T5

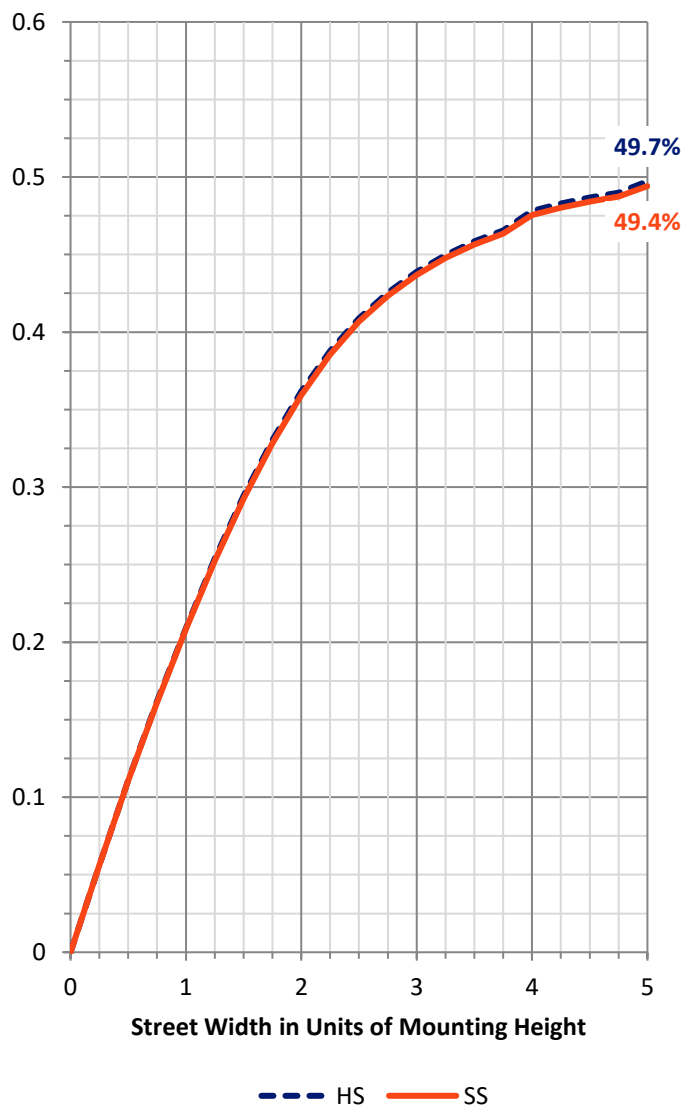
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	6893.0	0.0	6893.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	6893.0	0.0	6893.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	13786.0	0.0	13786.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	72.3	0.5
10°-20°	236.9	1.7
20°-30°	466.0	3.4
30°-40°	798.0	5.8
40°-50°	1488.8	10.8
50°-60°	2513.8	18.2
60°-70°	3942.5	28.6
70°-80°	3558.9	25.8
80°-90°	708.8	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°	13786.0	100.0
0°-180°	13786.0	100.0

Coefficient of Utilization



REPORT NUMBER: P509490

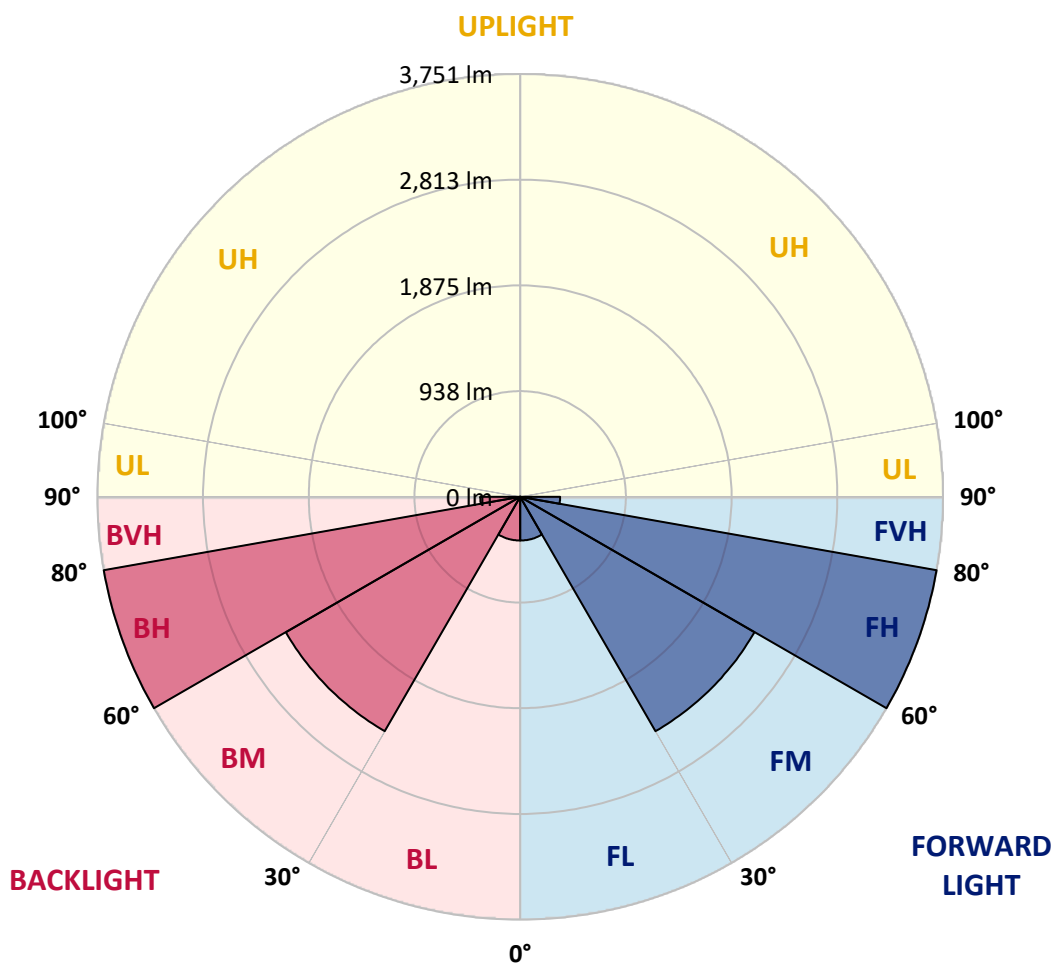
CATALOG NUMBER: VERD-G-CA2-110-722-U-T5

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	387.6	2.8			
FM	(30°-60°)	2400.3	17.4			
FH	(60°-80°)	3750.7	27.2			G2/5000
FVH	(80°-90°)	354.4	2.6			G3/500
BL	(0°-30°)	387.6	2.8	B1/500		
BM	(30°-60°)	2400.3	17.4	B2/2500		
BH	(60°-80°)	3750.7	27.2	B4/5000		G2/5000
BVH	(80°-90°)	354.4	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: P509490

CATALOG NUMBER: VERD-G-CA2-110-722-U-T5

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	742.5	742.5	742.5	742.5	742.5	742.5	742.5	742.5	742.5	742.5	742.5
2.5°	754.9	754.9	746.9	742.5	743.4	740.7	740.7	739.8	742.5	742.5	739.8
5°	759.3	762.9	754.9	748.7	750.5	748.7	747.8	748.7	753.1	754.9	751.3
7.5°	768.2	771.7	762.0	754.9	757.5	758.4	754.9	757.5	760.2	762.0	757.5
10°	782.3	783.2	777.0	767.3	771.7	769.9	769.1	767.3	768.2	769.1	768.2
12.5°	802.7	799.2	792.1	789.4	793.9	790.3	785.9	785.0	788.5	785.9	788.5
15°	828.4	825.8	824.9	822.2	829.3	824.9	823.1	820.4	823.1	817.8	821.3
17.5°	856.8	860.3	861.2	863.9	870.1	869.2	863.0	861.2	862.1	856.8	856.8
20°	898.4	900.2	902.8	903.7	914.4	912.6	905.5	899.3	901.1	892.2	889.6
22.5°	945.4	945.4	944.5	951.6	965.8	965.8	950.7	943.6	946.3	940.1	934.7
25°	991.4	991.4	987.9	997.6	1019.8	1018.9	1003.8	990.6	995.0	991.4	990.6
27.5°	1039.3	1039.3	1034.0	1037.5	1075.6	1078.3	1057.0	1044.6	1043.7	1047.3	1047.3
30°	1091.6	1088.9	1084.5	1080.0	1123.5	1136.8	1107.5	1097.8	1098.7	1104.0	1105.7
32.5°	1150.9	1153.6	1146.5	1138.5	1172.2	1198.8	1158.0	1162.4	1165.1	1173.1	1179.3
35°	1236.9	1236.9	1220.9	1211.2	1231.6	1255.5	1234.2	1244.0	1259.9	1271.4	1276.7
37.5°	1333.4	1337.9	1315.7	1294.5	1316.6	1335.2	1334.3	1359.1	1391.0	1430.0	1422.0
40°	1495.6	1496.5	1458.4	1425.6	1432.7	1464.6	1488.5	1534.6	1580.6	1625.8	1623.2
42.5°	1717.1	1703.8	1672.8	1631.1	1625.8	1640.9	1694.1	1741.9	1803.0	1835.8	1842.9
45°	1951.9	1949.2	1906.7	1840.2	1823.4	1824.3	1869.5	1937.7	2005.9	2040.5	2045.8
47.5°	2206.2	2205.3	2139.7	2073.3	2024.5	2006.8	2045.8	2114.0	2185.8	2228.3	2224.8
50°	2474.6	2464.0	2402.9	2316.0	2250.5	2208.8	2230.1	2302.7	2364.8	2406.4	2406.4
52.5°	2744.9	2733.3	2674.9	2573.9	2472.0	2415.3	2405.5	2472.9	2548.2	2593.4	2592.5
55°	3045.2	3022.2	2953.1	2845.0	2727.1	2621.7	2597.8	2650.9	2744.0	2798.0	2815.7
57.5°	3332.3	3317.2	3252.5	3132.9	3000.0	2853.8	2812.2	2877.8	2972.6	3031.9	3047.9
60°	3622.9	3600.7	3544.9	3456.3	3312.8	3166.6	3100.1	3139.1	3243.7	3310.1	3297.7
62.5°	3942.7	3934.8	3887.8	3805.4	3718.6	3556.4	3453.7	3493.5	3603.4	3657.4	3637.1
65°	4189.1	4200.6	4214.7	4224.5	4200.6	4076.5	3960.5	4007.4	4050.8	4056.2	4025.1
67.5°	3998.6	4050.0	4156.3	4384.9	4651.6	4745.5	4516.0	4203.2	4037.5	3997.7	3949.8
70°	3658.3	3671.6	3829.3	4206.8	4870.4	5067.1	4706.5	4090.7	3837.3	3725.7	3701.7
72.5°	3186.1	3257.9	3447.5	3953.4	4713.6	4943.9	4599.3	3847.1	3468.7	3322.5	3293.3
75°	2633.2	2728.0	2947.8	3528.1	4329.0	4582.4	4269.7	3401.4	2924.7	2774.1	2766.1
77.5°	1952.8	1992.6	2308.1	2904.3	3841.7	4109.3	3765.5	2810.4	2335.5	2095.4	2104.3
80°	1082.7	1129.7	1437.1	2001.5	2922.9	3212.7	2865.4	2024.5	1550.5	1360.0	1345.8
82.5°	476.7	513.0	723.0	1129.7	1815.4	2067.1	1716.2	1069.4	720.3	544.9	524.5
85°	142.6	157.7	249.0	452.8	866.5	855.9	547.6	245.4	98.3	54.0	51.4
87.5°	33.7	37.2	67.3	103.7	110.8	41.6	19.5	16.8	16.8	16.8	16.8
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)