

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: P509474

Luminaire Tested: **VERD-G-CA2-100-750-U-T5**

Issue Date: 4/6/2021

Test Information

Test Method: LM-79-08
Report Number: P509474
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-CA2-100-750-U-T5
Description: VERDEON-G ROADWAY AND AREA LUMINAIRE
(2) 70 CRI, 5000K, 930mA LEDS AND TYPE V OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 15845 lumens
Efficiency: N/A
Efficacy: 154.4 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

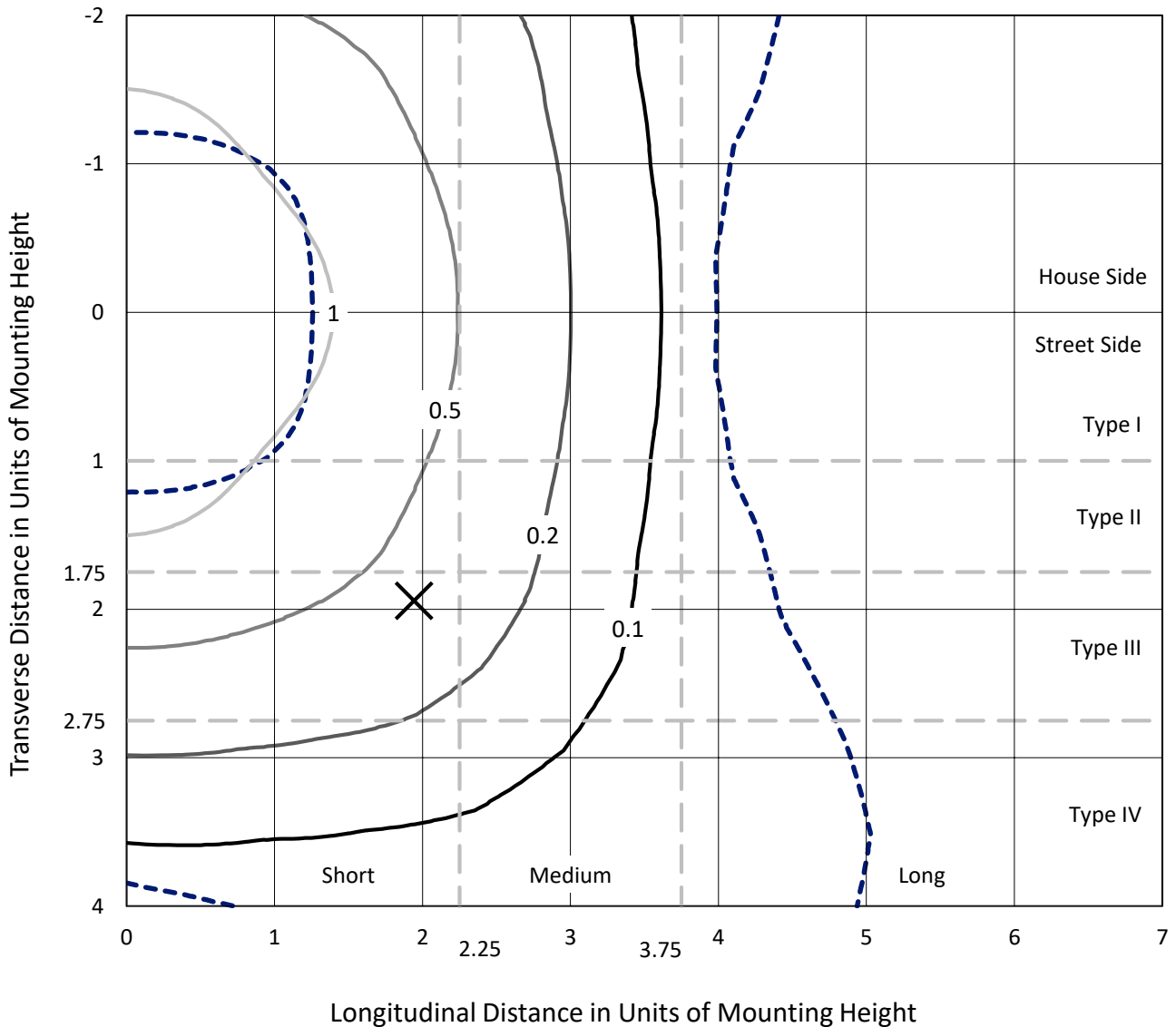


REPORT NUMBER: P509474

CATALOG NUMBER: VERD-G-CA2-100-750-U-T5

Iso-Footcandle Lines of Horizontal Illumination

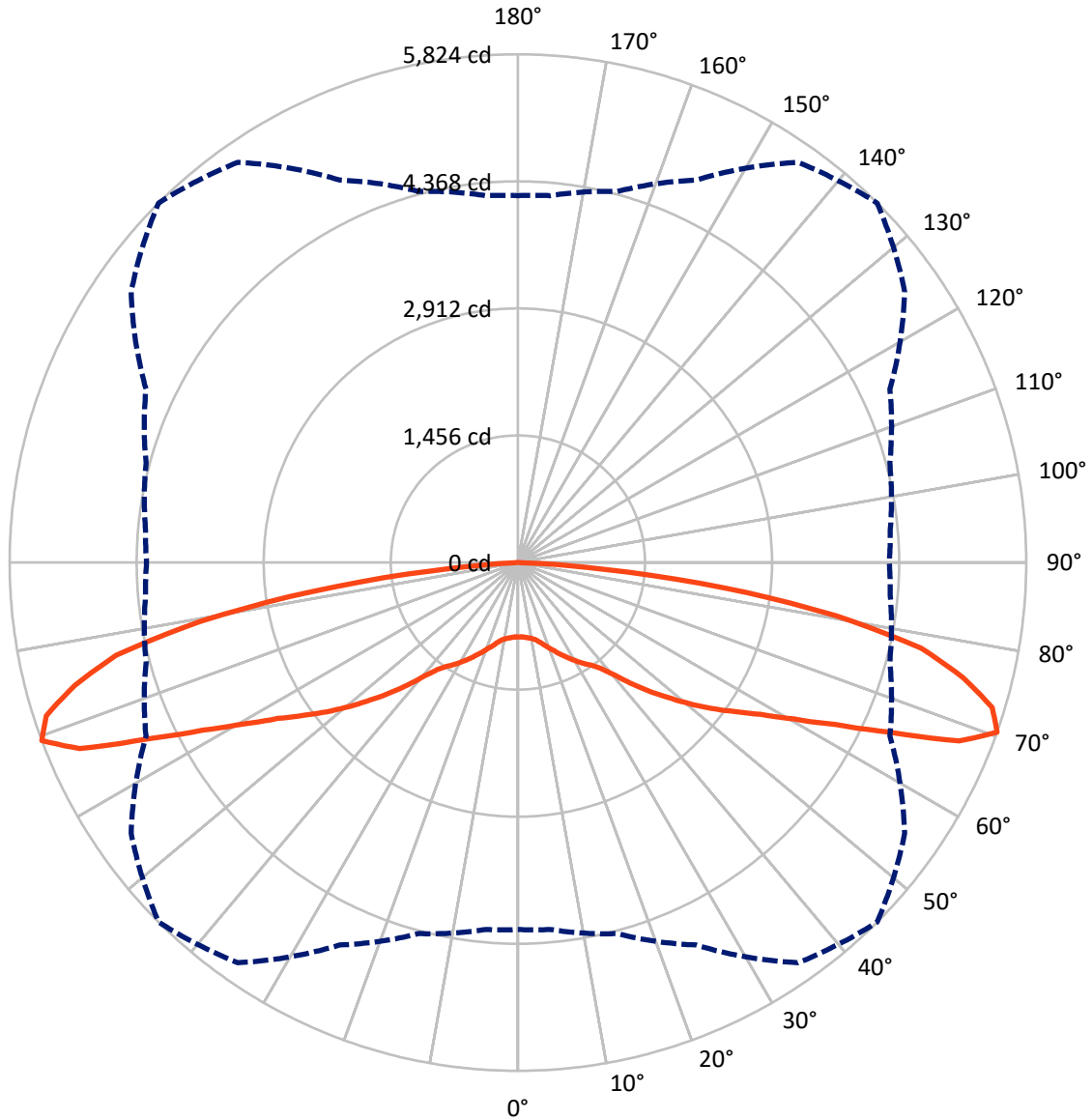
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.4 fc
 Type V - Short - N/A

REPORT NUMBER: P509474
CATALOG NUMBER: VERD-G-CA2-100-750-U-T5

Luminous Intensity Polar Plot



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

REPORT NUMBER: P509474

CATALOG NUMBER: VERD-G-CA2-100-750-U-T5

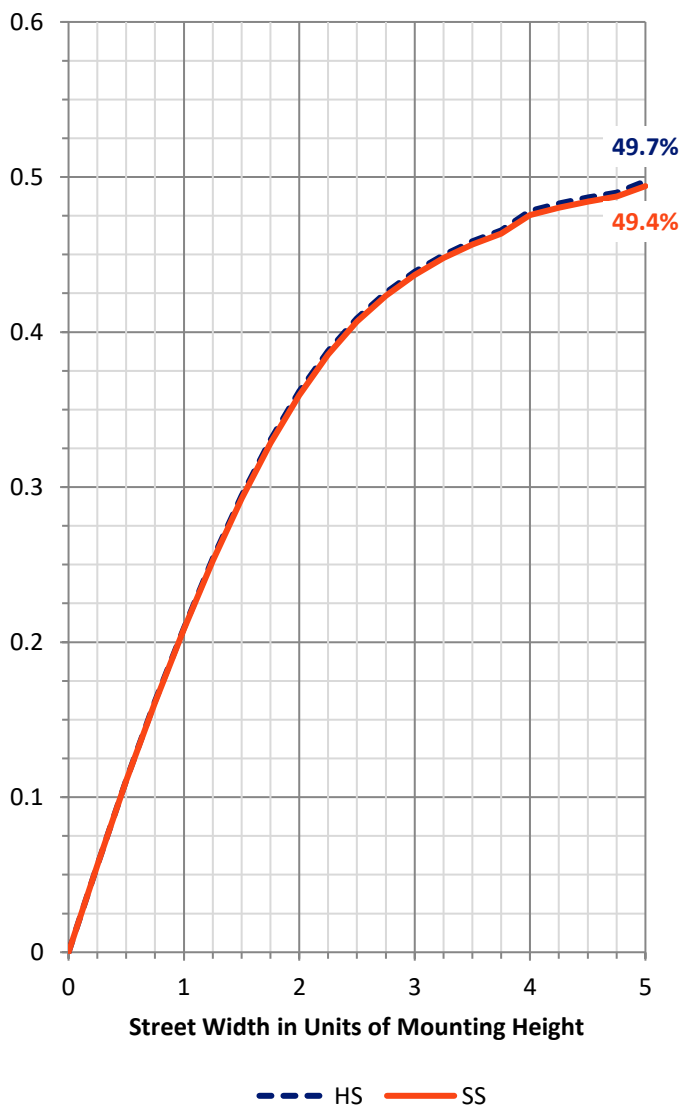
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	7922.5	0.0	7922.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	7922.5	0.0	7922.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	15845.0	0.0	15845.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	83.1	0.5
10°-20°	272.2	1.7
20°-30°	535.6	3.4
30°-40°	917.2	5.8
40°-50°	1711.2	10.8
50°-60°	2889.3	18.2
60°-70°	4531.3	28.6
70°-80°	4090.5	25.8
80°-90°	814.6	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°	15845.0	100.0
0°-180°	15845.0	100.0

Coefficient of Utilization



REPORT NUMBER: P509474

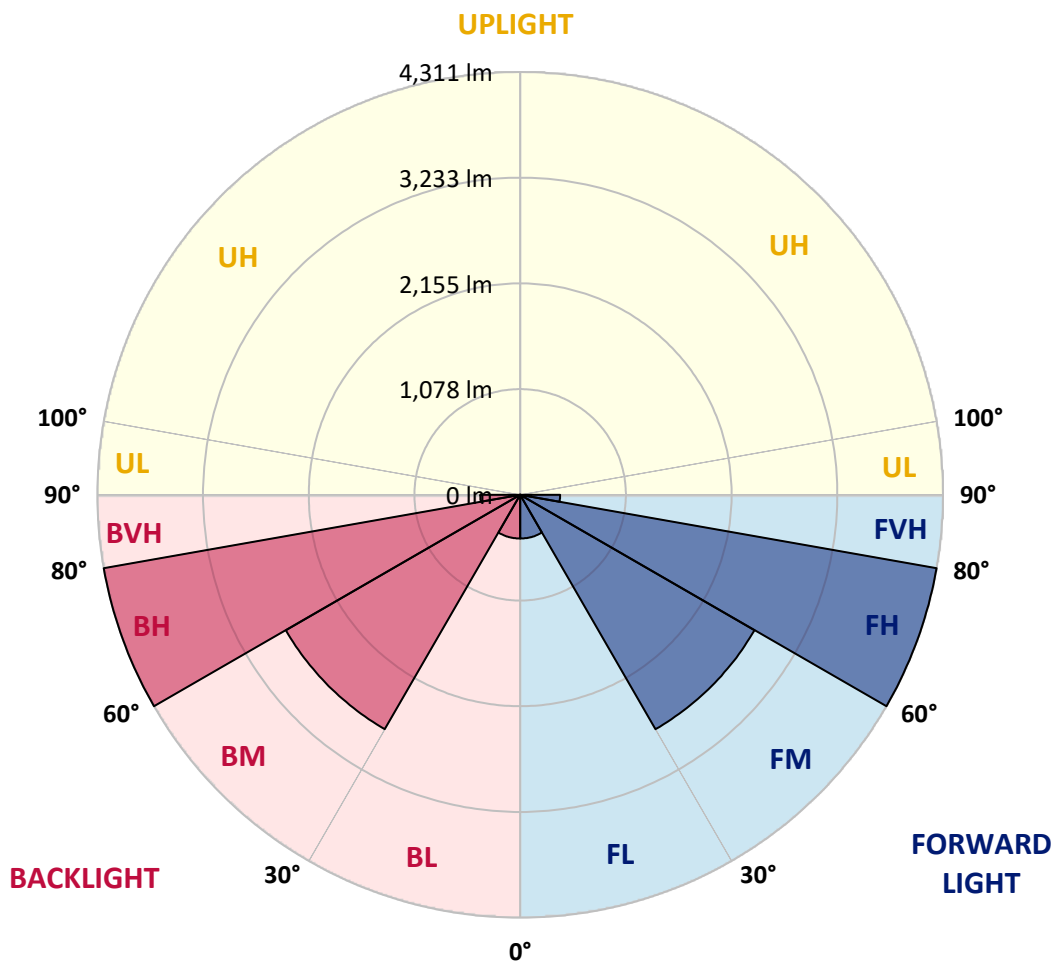
CATALOG NUMBER: VERD-G-CA2-100-750-U-T5

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	445.5	2.8			
FM	(30°-60°)	2758.8	17.4			
FH	(60°-80°)	4310.9	27.2			G2/5000
FVH	(80°-90°)	407.3	2.6			G3/500
BL	(0°-30°)	445.5	2.8	B1/500		
BM	(30°-60°)	2758.8	17.4	B3/5000		
BH	(60°-80°)	4310.9	27.2	B4/5000		G2/5000
BVH	(80°-90°)	407.3	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°	853.4	853.4	853.4	853.4	853.4	853.4	853.4	853.4	853.4	853.4	853.4
2.5°	867.6	867.6	858.5	853.4	854.4	851.3	851.3	850.3	853.4	853.4	850.3
5°	872.7	876.8	867.6	860.5	862.5	860.5	859.5	860.5	865.6	867.6	863.6
7.5°	882.9	887.0	875.8	867.6	870.7	871.7	867.6	870.7	873.7	875.8	870.7
10°	899.2	900.2	893.1	881.9	887.0	884.9	883.9	881.9	882.9	883.9	882.9
12.5°	922.6	918.5	910.4	907.3	912.4	908.4	903.3	902.2	906.3	903.3	906.3
15°	952.1	949.1	948.1	945.0	953.2	948.1	946.0	943.0	946.0	939.9	944.0
17.5°	984.7	988.8	989.8	992.9	1000.0	999.0	991.9	989.8	990.8	984.7	984.7
20°	1032.6	1034.6	1037.7	1038.7	1050.9	1048.9	1040.7	1033.6	1035.7	1025.5	1022.4
22.5°	1086.6	1086.6	1085.5	1093.7	1110.0	1110.0	1092.7	1084.5	1087.6	1080.5	1074.3
25°	1139.5	1139.5	1135.4	1146.7	1172.1	1171.1	1153.8	1138.5	1143.6	1139.5	1138.5
27.5°	1194.5	1194.5	1188.4	1192.5	1236.3	1239.3	1214.9	1200.6	1199.6	1203.7	1203.7
30°	1254.6	1251.5	1246.4	1241.4	1291.3	1306.5	1272.9	1261.7	1262.7	1268.9	1270.9
32.5°	1322.8	1325.9	1317.7	1308.6	1347.3	1377.8	1331.0	1336.1	1339.1	1348.3	1355.4
35°	1421.6	1421.6	1403.3	1392.1	1415.5	1443.0	1418.5	1429.7	1448.1	1461.3	1467.4
37.5°	1532.6	1537.7	1512.2	1487.8	1513.3	1534.6	1533.6	1562.1	1598.8	1643.6	1634.4
40°	1719.0	1720.0	1676.2	1638.5	1646.7	1683.3	1710.8	1763.8	1816.7	1868.7	1865.6
42.5°	1973.5	1958.3	1922.6	1874.8	1868.7	1886.0	1947.1	2002.1	2072.3	2110.0	2118.1
45°	2243.4	2240.3	2191.5	2115.1	2095.7	2096.8	2148.7	2227.1	2305.5	2345.2	2351.3
47.5°	2535.7	2534.6	2459.3	2382.9	2326.9	2306.5	2351.3	2429.8	2512.2	2561.1	2557.1
50°	2844.2	2832.0	2761.7	2661.9	2586.6	2538.7	2563.2	2646.7	2717.9	2765.8	2765.8
52.5°	3154.8	3141.6	3074.4	2958.3	2841.2	2776.0	2764.8	2842.2	2928.7	2980.7	2979.7
55°	3500.0	3473.6	3394.1	3269.9	3134.4	3013.3	2985.8	3046.9	3153.8	3215.9	3236.3
57.5°	3830.0	3812.7	3738.3	3600.8	3448.1	3280.1	3232.2	3307.6	3416.5	3484.8	3503.1
60°	4164.0	4138.5	4074.4	3972.5	3807.6	3639.5	3563.2	3608.0	3728.1	3804.5	3790.3
62.5°	4531.6	4522.4	4468.5	4373.8	4274.0	4087.6	3969.5	4015.3	4141.6	4203.7	4180.3
65°	4814.7	4827.9	4844.2	4855.4	4827.9	4685.4	4552.0	4605.9	4655.8	4662.0	4626.3
67.5°	4595.8	4654.8	4777.0	5039.8	5346.3	5454.2	5190.5	4831.0	4640.6	4594.7	4539.8
70°	4204.7	4220.0	4401.3	4835.1	5597.8	5823.9	5409.4	4701.7	4410.4	4282.1	4254.6
72.5°	3661.9	3744.4	3962.4	4543.8	5417.6	5682.3	5286.2	4421.6	3986.8	3818.8	3785.2
75°	3026.5	3135.5	3388.0	4055.0	4975.6	5266.9	4907.4	3909.4	3361.5	3188.4	3179.3
77.5°	2244.4	2290.2	2652.8	3338.1	4415.5	4723.1	4327.9	3230.2	2684.3	2408.4	2418.6
80°	1244.4	1298.4	1651.7	2300.4	3359.5	3692.5	3293.3	2326.9	1782.1	1563.2	1546.9
82.5°	547.9	589.6	831.0	1298.4	2086.6	2375.8	1972.5	1229.1	827.9	626.3	602.9
85°	164.0	181.3	286.2	520.4	995.9	983.7	629.3	282.1	113.0	62.1	59.1
87.5°	38.7	42.8	77.4	119.1	127.3	47.9	22.4	19.3	19.3	19.3	19.3
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)