

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: P553534

Luminaire Tested: **VERD-G-CA2-140-750-U-T5**

Issue Date: 7/12/2021

Test Information

Test Method: LM-79-08
Report Number: P553534
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-CA2-140-750-U-T5
Description: VERDEON-G ROADWAY AND AREA LUMINAIRE
(2) 70 CRI, 5000K, 1290mA LEDS AND TYPE V OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 21503 lumens
Efficiency: N/A
Efficacy: 151.0 lumens/watt
Luminous Opening: Rectangular (W 0.9' x L: 1.25' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G4

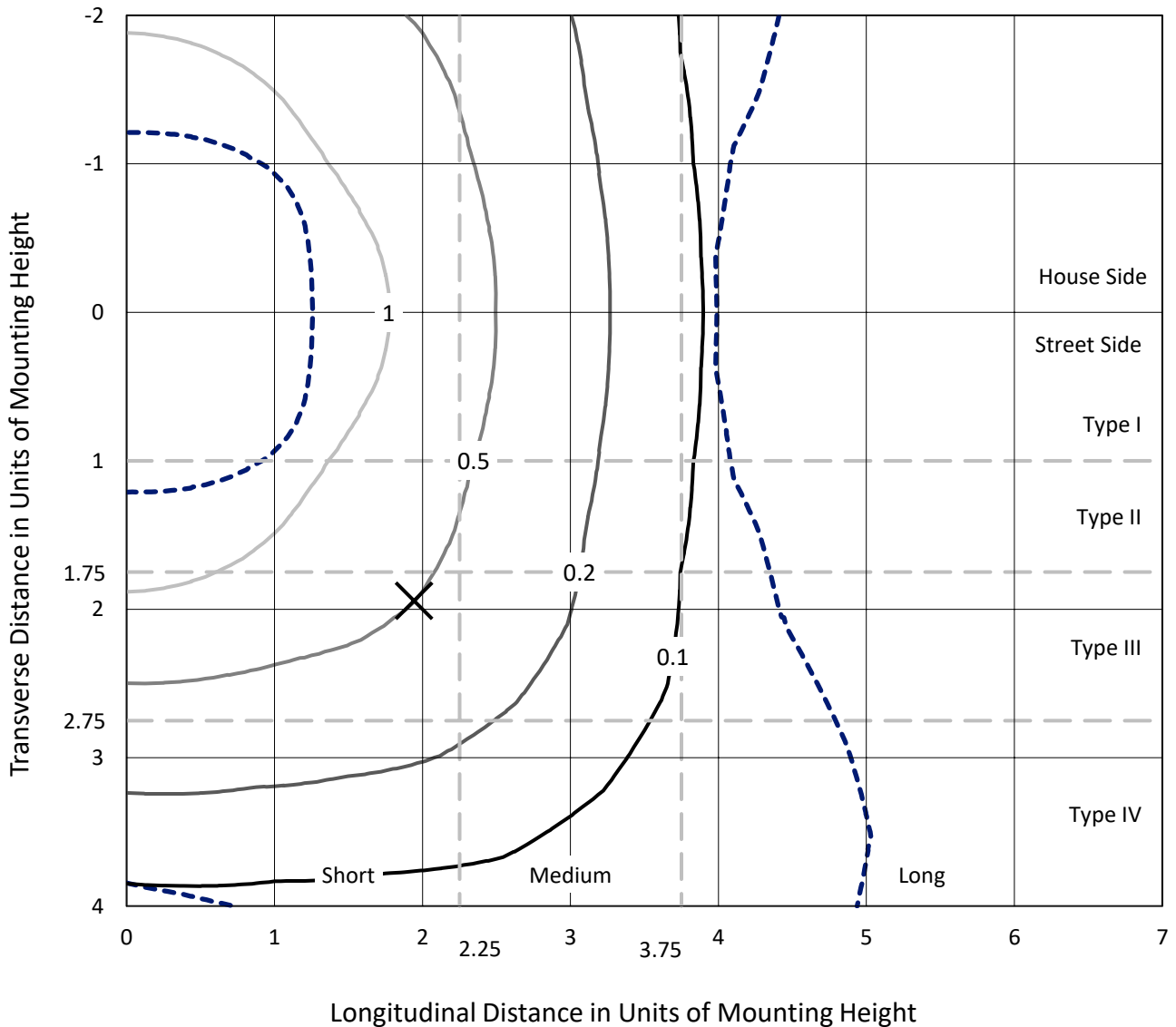
Input Watts (W): 142.4
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P553534
 CATALOG NUMBER: VERD-G-CA2-140-750-U-T5

Iso-Footcandle Lines of Horizontal Illumination

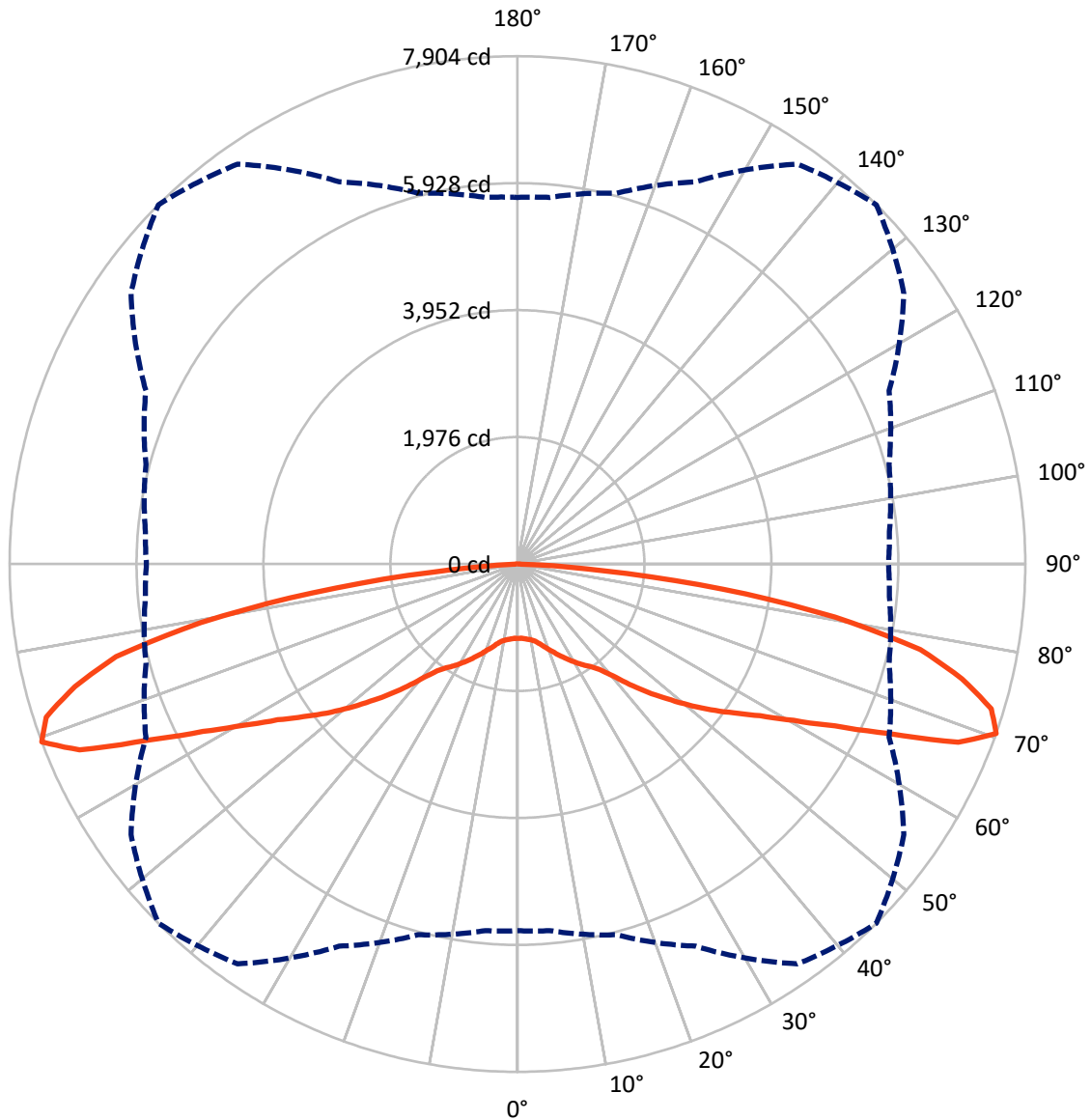
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.9 fc
 Type V - Short - N/A

REPORT NUMBER: P553534
CATALOG NUMBER: VERD-G-CA2-140-750-U-T5

Luminous Intensity Polar Plot



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

REPORT NUMBER: P553534

CATALOG NUMBER: VERD-G-CA2-140-750-U-T5

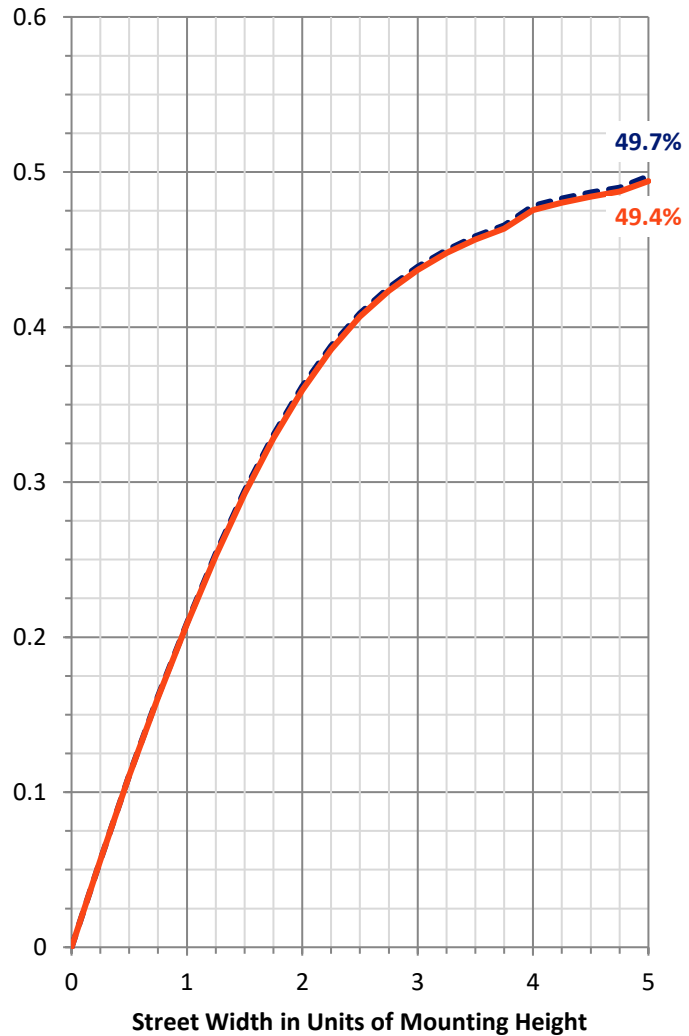
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	10751.5	0.0	10751.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	10751.5	0.0	10751.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	21503.0	0.0	21503.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	112.8	0.5
10°-20°	369.4	1.7
20°-30°	726.8	3.4
30°-40°	1244.7	5.8
40°-50°	2322.2	10.8
50°-60°	3921.0	18.2
60°-70°	6149.3	28.6
70°-80°	5551.1	25.8
80°-90°	1105.5	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°	21503.0	100.0
0°-180°	21503.0	100.0



--- HS — SS

REPORT NUMBER: P553534

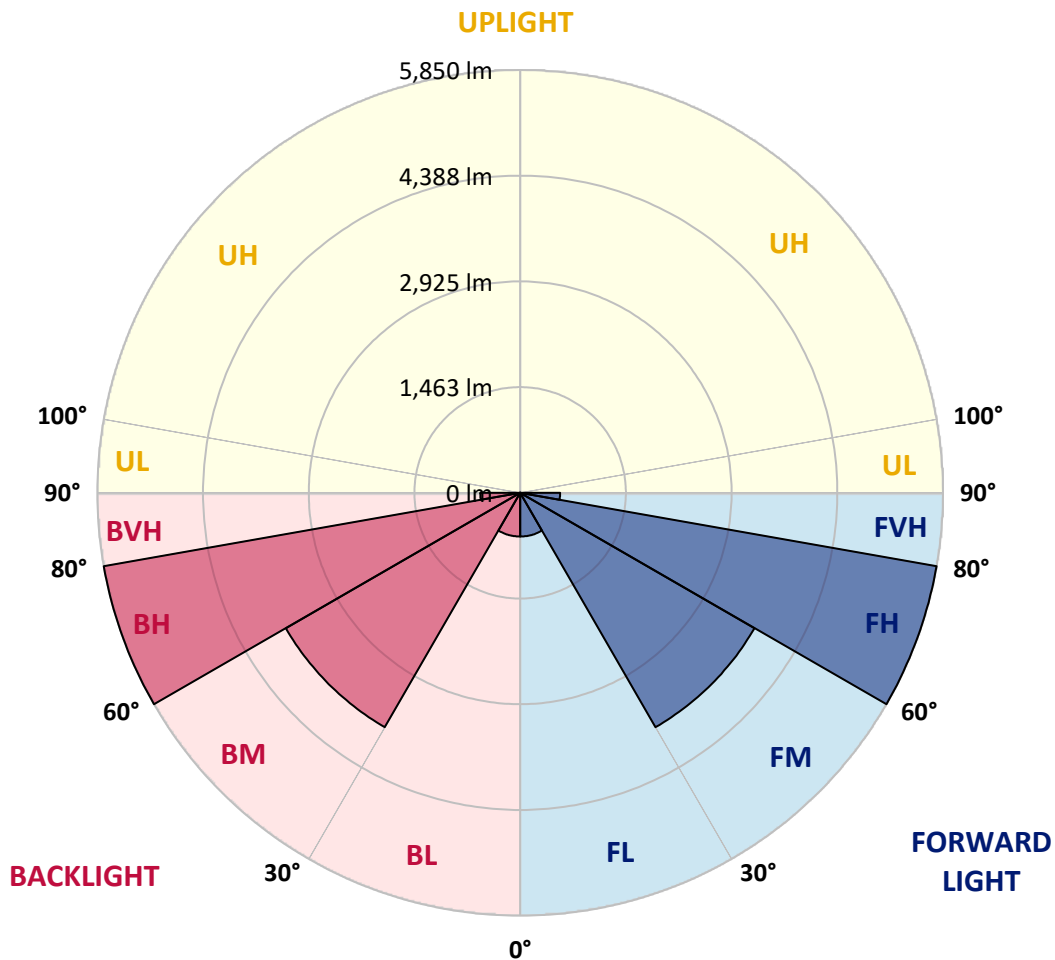
CATALOG NUMBER: VERD-G-CA2-140-750-U-T5

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	604.5	2.8			
FM	(30°-60°)	3744.0	17.4			
FH	(60°-80°)	5850.2	27.2			G3/7500
FVH	(80°-90°)	552.8	2.6			G4/750
BL	(0°-30°)	604.5	2.8	B2/1000		
BM	(30°-60°)	3744.0	17.4	B3/5000		
BH	(60°-80°)	5850.2	27.2	B5		G3/7500
BVH	(80°-90°)	552.8	2.6			G4/750
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B5-U0-G4

Type V Short





REPORT NUMBER: P553534

CATALOG NUMBER: VERD-G-CA2-140-750-U-T5

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	1158.1	1158.1	1158.1	1158.1	1158.1	1158.1	1158.1	1158.1	1158.1	1158.1	1158.1
2.5°	1177.4	1177.4	1165.0	1158.1	1159.5	1155.3	1155.3	1153.9	1158.1	1158.1	1153.9
5°	1184.4	1189.9	1177.4	1167.8	1170.5	1167.8	1166.4	1167.8	1174.7	1177.4	1171.9
7.5°	1198.2	1203.7	1188.5	1177.4	1181.6	1183.0	1177.4	1181.6	1185.7	1188.5	1181.6
10°	1220.3	1221.7	1212.0	1196.8	1203.7	1200.9	1199.6	1196.8	1198.2	1199.6	1198.2
12.5°	1252.1	1246.5	1235.5	1231.3	1238.2	1232.7	1225.8	1224.4	1230.0	1225.8	1230.0
15°	1292.1	1288.0	1286.6	1282.5	1293.5	1286.6	1283.9	1279.7	1283.9	1275.6	1281.1
17.5°	1336.4	1341.9	1343.3	1347.4	1357.1	1355.7	1346.0	1343.3	1344.7	1336.4	1336.4
20°	1401.3	1404.1	1408.2	1409.6	1426.2	1423.4	1412.4	1402.7	1405.5	1391.6	1387.5
22.5°	1474.6	1474.6	1473.2	1484.2	1506.3	1506.3	1482.9	1471.8	1475.9	1466.3	1458.0
25°	1546.4	1546.4	1540.9	1556.1	1590.7	1589.3	1565.8	1545.0	1552.0	1546.4	1545.0
27.5°	1621.1	1621.1	1612.8	1618.3	1677.7	1681.9	1648.7	1629.3	1628.0	1633.5	1633.5
30°	1702.6	1698.4	1691.5	1684.6	1752.3	1773.1	1727.5	1712.3	1713.6	1721.9	1724.7
32.5°	1795.2	1799.3	1788.3	1775.8	1828.3	1869.8	1806.2	1813.1	1817.3	1829.7	1839.4
35°	1929.2	1929.2	1904.4	1889.2	1920.9	1958.3	1925.1	1940.3	1965.2	1983.1	1991.4
37.5°	2079.9	2086.8	2052.2	2019.1	2053.6	2082.6	2081.3	2119.9	2169.7	2230.5	2218.1
40°	2332.8	2334.2	2274.7	2223.6	2234.6	2284.4	2321.7	2393.6	2465.4	2535.9	2531.8
42.5°	2678.3	2657.5	2609.2	2544.2	2535.9	2559.4	2642.3	2717.0	2812.3	2863.4	2874.5
45°	3044.5	3040.3	2974.0	2870.4	2844.1	2845.5	2916.0	3022.4	3128.8	3182.7	3191.0
47.5°	3441.1	3439.7	3337.5	3233.8	3157.8	3130.2	3191.0	3297.4	3409.3	3475.7	3470.1
50°	3859.8	3843.3	3747.9	3612.5	3510.2	3445.3	3478.4	3591.7	3688.5	3753.4	3753.4
52.5°	4281.3	4263.4	4172.2	4014.6	3855.7	3767.3	3752.1	3857.1	3974.6	4045.0	4043.7
55°	4749.8	4713.9	4606.1	4437.5	4253.7	4089.3	4051.9	4134.9	4280.0	4364.3	4391.9
57.5°	5197.6	5174.1	5073.2	4886.7	4679.4	4451.3	4386.4	4488.6	4636.5	4729.1	4754.0
60°	5650.9	5616.3	5529.3	5391.1	5167.2	4939.2	4835.5	4896.3	5059.4	5163.0	5143.7
62.5°	6149.8	6137.3	6064.1	5935.6	5800.1	5547.2	5386.9	5449.1	5620.5	5704.8	5673.0
65°	6534.0	6551.9	6574.0	6589.2	6551.9	6358.5	6177.4	6250.7	6318.4	6326.7	6278.3
67.5°	6236.8	6317.0	6482.8	6839.4	7255.4	7401.8	7043.9	6556.1	6297.6	6235.5	6160.8
70°	5706.2	5726.9	5972.9	6561.6	7596.7	7903.5	7341.0	6380.6	5985.3	5811.2	5773.9
72.5°	4969.6	5081.5	5377.3	6166.4	7352.1	7711.4	7173.8	6000.5	5410.4	5182.4	5136.8
75°	4107.2	4255.1	4597.8	5503.0	6752.3	7147.6	6659.7	5305.4	4561.9	4327.0	4314.5
77.5°	3045.9	3108.1	3600.0	4530.1	5992.2	6409.6	5873.4	4383.6	3642.9	3268.4	3282.2
80°	1688.8	1762.0	2241.6	3121.9	4559.1	5011.0	4469.3	3157.8	2418.5	2121.3	2099.2
82.5°	743.5	800.2	1127.7	1762.0	2831.7	3224.1	2676.9	1668.0	1123.5	849.9	818.1
85°	222.5	246.0	388.3	706.2	1351.6	1335.0	854.1	382.8	153.4	84.3	80.2
87.5°	52.5	58.0	105.0	161.7	172.7	65.0	30.4	26.3	26.3	26.3	26.3
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)