

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: P509426

Luminaire Tested: **VERD-CA2-90-750-U-T5**

Issue Date: 3/4/2021

Test Information

Test Method: LM-79-08
Report Number: P509426
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2102-139-8)
Test Lab: INNOVATION CENTER
Issue Date: 3/4/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: VERD-CA2-90-750-U-T5
Description: VERDEON ROADWAY AND AREA LUMINAIRE
(2) 70 CRI, 5000K, 1250mA LEDS AND TYPE V OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 13609 lumens
Efficiency: N/A
Efficacy: 144.5 lumens/watt
Luminous Opening: Rectangular (W 0.79' x L: 1.25' x H: 0')
IES Classification: Type V - Short
BUG Rating: B4 - U0 - G3

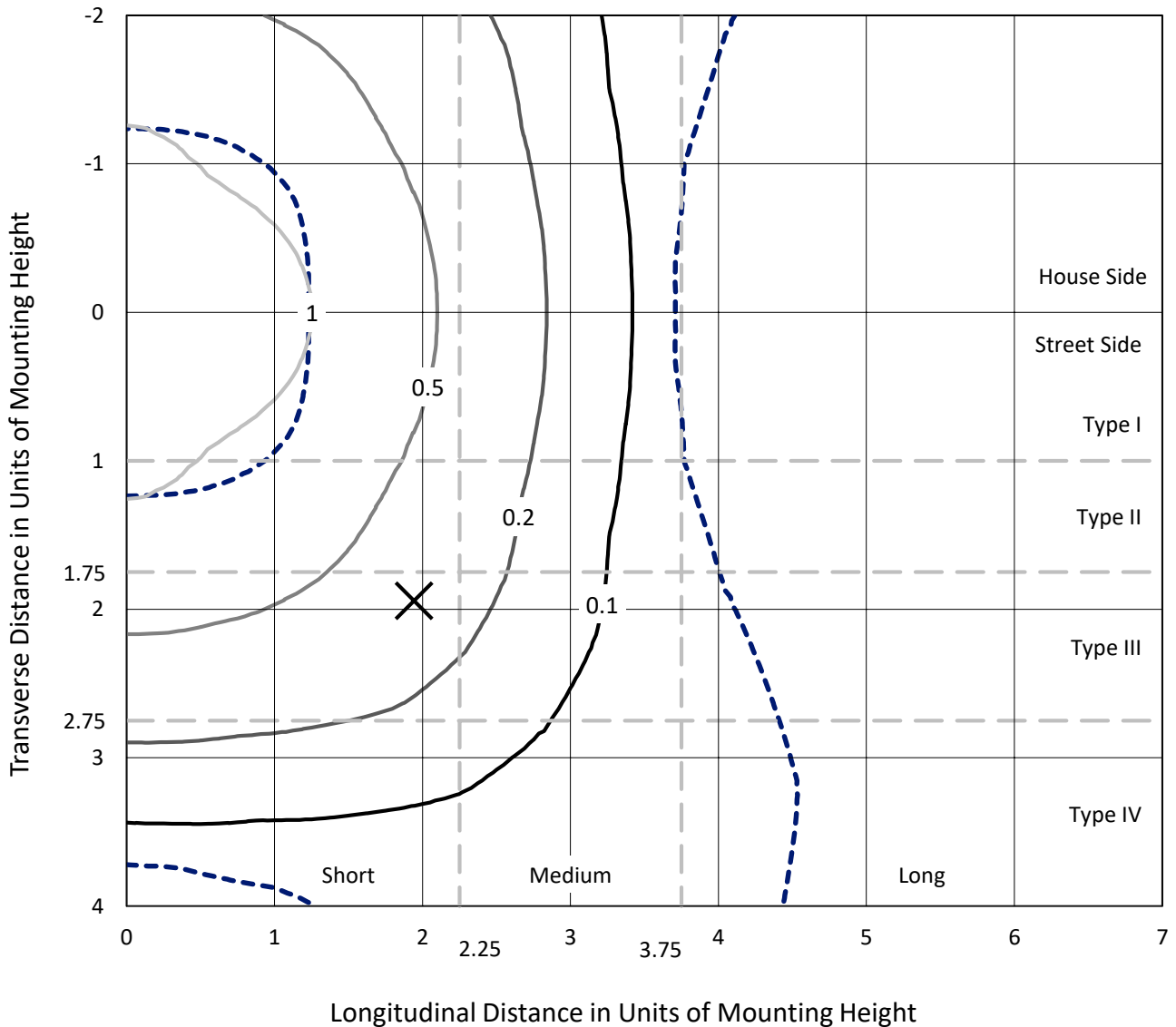
Input Watts (W): 94.2
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P509426
 CATALOG NUMBER: VERD-CA2-90-750-U-T5

Iso-Footcandle Lines of Horizontal Illumination

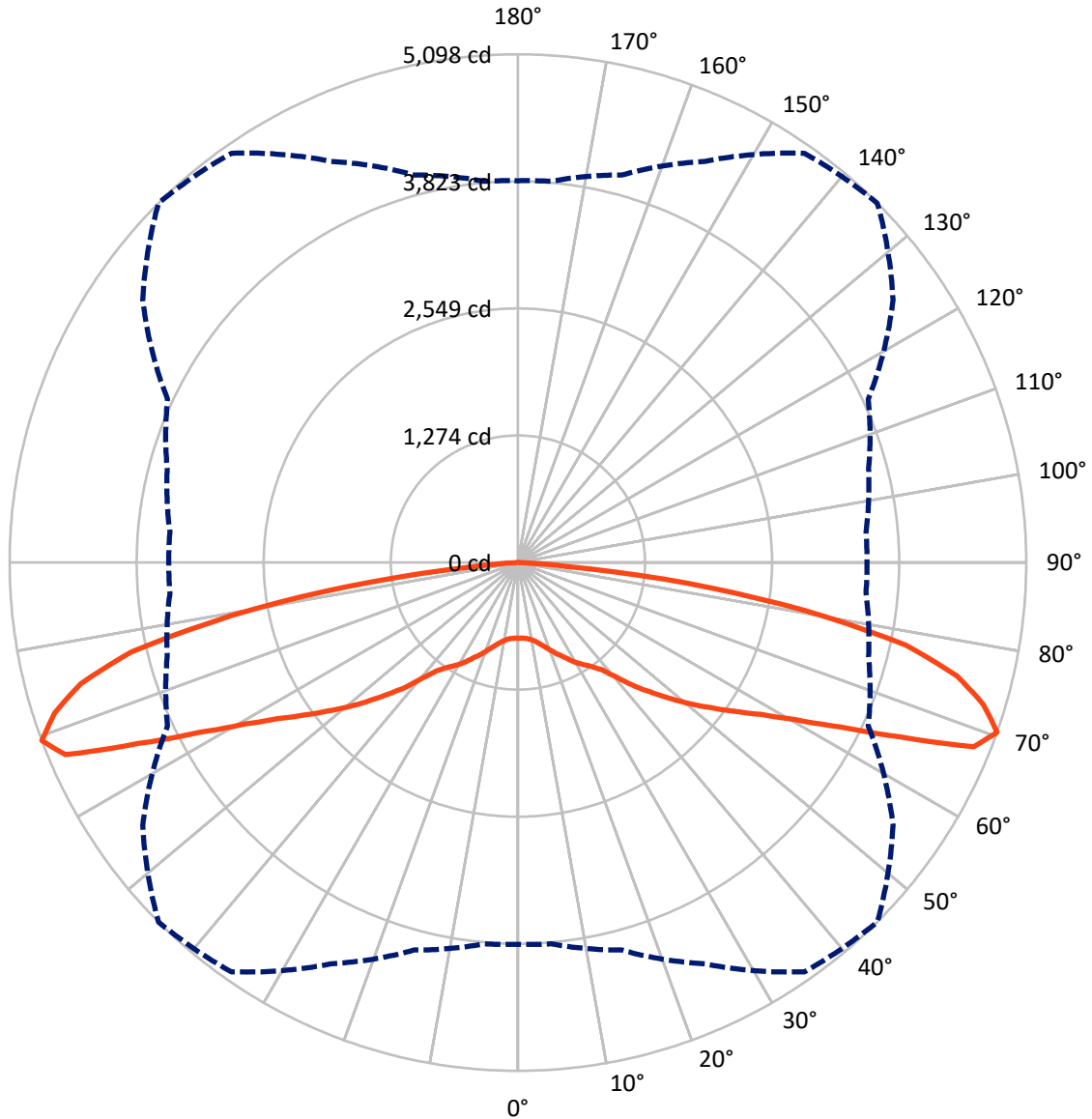
× Max cd
 - - - 1/2 Max cd



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

REPORT NUMBER: P509426
CATALOG NUMBER: VERD-CA2-90-750-U-T5

Luminous Intensity Polar Plot



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

REPORT NUMBER: P509426

CATALOG NUMBER: VERD-CA2-90-750-U-T5

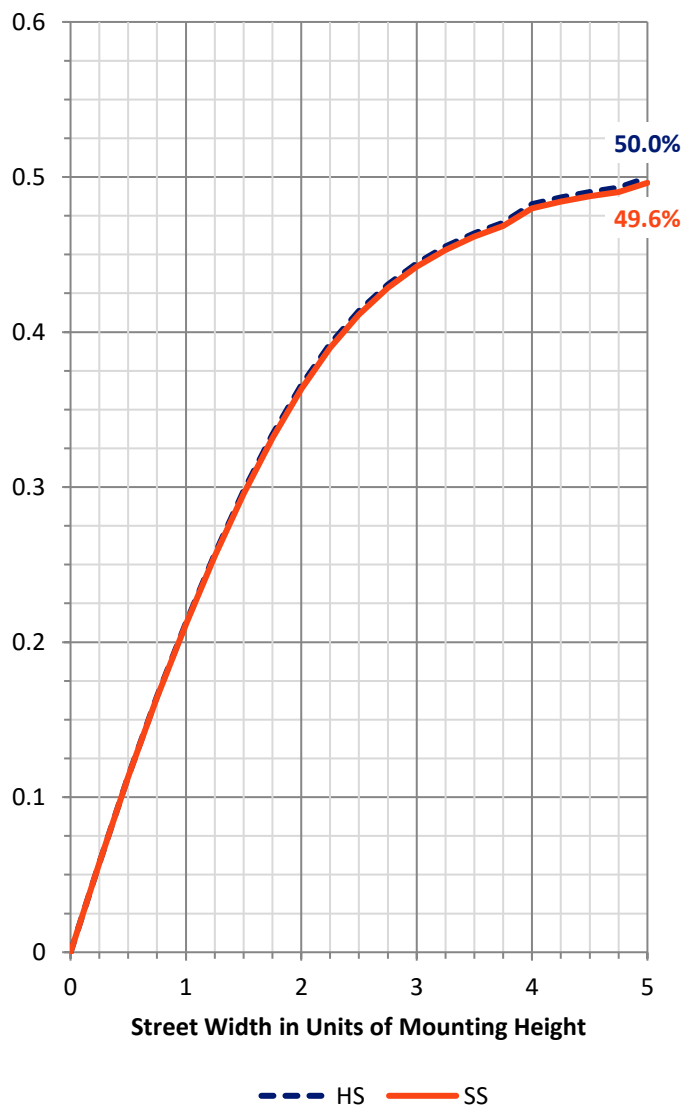
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	6804.5	0.0	6804.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	6804.5	0.0	6804.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	13609.0	0.0	13609.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	73.9	0.5
10°-20°	243.1	1.8
20°-30°	477.5	3.5
30°-40°	819.0	6.0
40°-50°	1503.8	11.0
50°-60°	2530.7	18.6
60°-70°	3998.6	29.4
70°-80°	3412.3	25.1
80°-90°	550.1	4.0
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°	13609.0	100.0
0°-180°	13609.0	100.0

Coefficient of Utilization



REPORT NUMBER: P509426

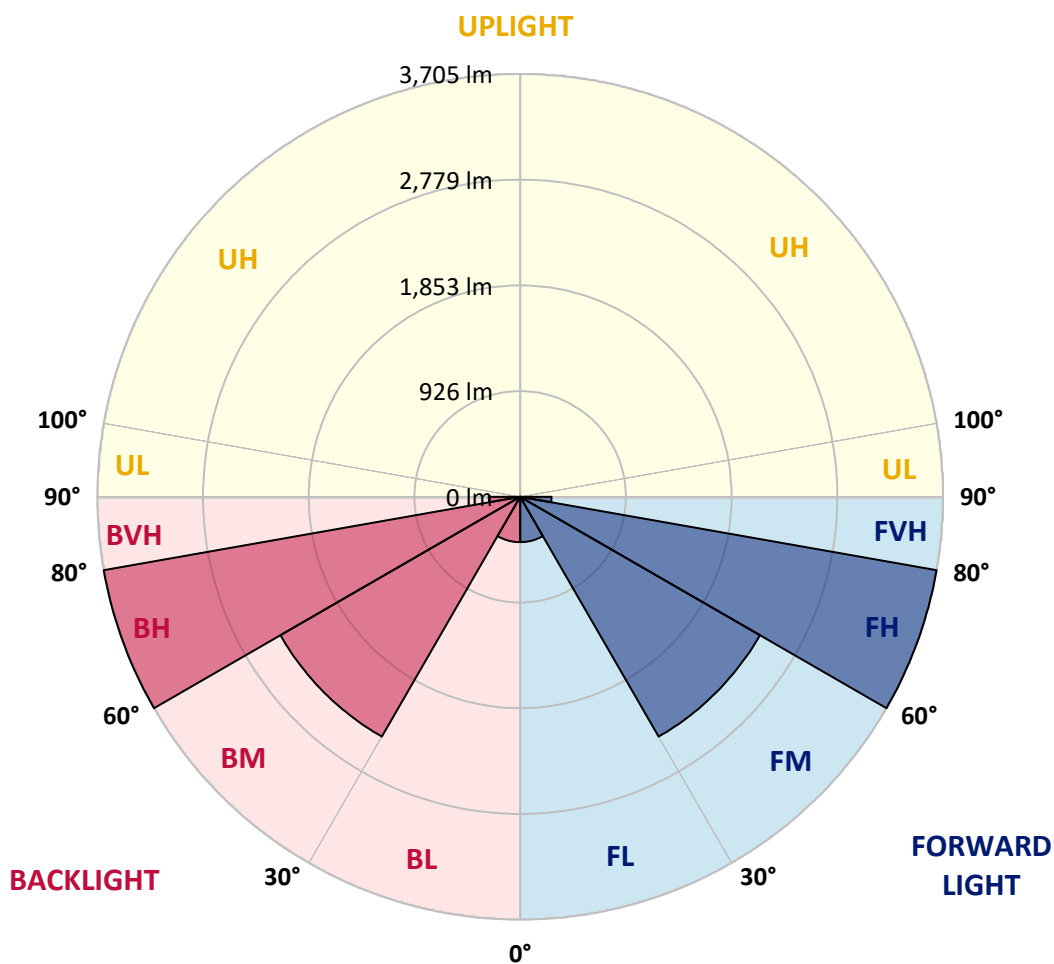
CATALOG NUMBER: VERD-CA2-90-750-U-T5

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	397.3	2.9			
FM	(30°-60°)	2426.7	17.8			
FH	(60°-80°)	3705.4	27.2			G2/5000
FVH	(80°-90°)	275.1	2.0			G3/500
BL	(0°-30°)	397.3	2.9	B1/500		
BM	(30°-60°)	2426.7	17.8	B2/2500		
BH	(60°-80°)	3705.4	27.2	B4/5000		G2/5000
BVH	(80°-90°)	275.1	2.0			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: P509426

CATALOG NUMBER: VERD-CA2-90-750-U-T5

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	760.7	760.7	760.7	760.7	760.7	760.7	760.7	760.7	760.7	760.7	760.7
2.5°	762.1	766.4	762.1	762.1	759.3	757.9	757.9	757.9	760.7	763.6	763.6
5°	767.9	770.7	766.4	766.4	763.6	763.6	763.6	763.6	766.4	769.3	767.9
7.5°	777.9	782.2	777.9	777.9	775.0	772.1	772.1	773.6	775.0	776.4	775.0
10°	795.0	800.7	795.0	797.9	792.2	790.7	789.3	789.3	790.7	790.7	790.7
12.5°	816.5	820.8	817.9	820.8	815.0	815.0	810.8	810.8	809.3	809.3	809.3
15°	845.1	850.8	847.9	852.2	849.4	849.4	845.1	840.8	839.4	839.4	839.4
17.5°	879.4	885.1	883.7	890.8	888.0	890.8	882.3	875.1	876.5	876.5	875.1
20°	919.4	925.1	925.1	935.2	935.2	938.0	926.6	919.4	916.6	918.0	916.6
22.5°	963.8	969.5	968.0	983.8	992.4	992.4	976.6	970.9	965.2	966.6	963.8
25°	1012.4	1019.5	1012.4	1026.7	1041.0	1042.4	1029.5	1015.2	1015.2	1022.4	1019.5
27.5°	1053.8	1062.4	1058.1	1063.9	1095.3	1103.9	1083.9	1068.1	1071.0	1076.7	1072.4
30°	1103.9	1111.0	1103.9	1108.2	1138.2	1166.8	1129.6	1125.3	1131.1	1136.8	1136.8
32.5°	1168.2	1176.8	1163.9	1168.2	1178.2	1222.6	1189.7	1195.4	1208.3	1221.1	1221.1
35°	1244.0	1252.6	1239.7	1239.7	1244.0	1281.2	1271.2	1288.3	1314.1	1341.3	1347.0
37.5°	1339.8	1344.1	1329.8	1324.1	1332.7	1362.7	1377.0	1415.6	1457.1	1507.1	1515.7
40°	1469.9	1475.7	1455.6	1449.9	1455.6	1498.5	1538.6	1607.2	1664.4	1717.3	1723.0
42.5°	1663.0	1680.1	1660.1	1641.5	1641.5	1680.1	1735.9	1818.8	1891.8	1926.1	1934.7
45°	1876.0	1891.8	1848.9	1824.6	1814.6	1846.0	1907.5	2004.7	2073.4	2129.1	2124.8
47.5°	2129.1	2123.4	2083.4	2040.5	2009.0	2029.0	2086.2	2170.6	2245.0	2295.0	2296.4
50°	2412.3	2410.8	2357.9	2273.6	2213.5	2222.1	2260.7	2350.8	2425.1	2472.3	2483.7
52.5°	2714.0	2704.0	2633.9	2536.7	2446.6	2418.0	2433.7	2513.8	2593.9	2648.2	2648.2
55°	3015.7	3002.8	2944.2	2815.5	2708.2	2631.0	2619.6	2699.7	2791.2	2857.0	2861.2
57.5°	3327.4	3330.3	3267.3	3157.2	2992.8	2874.1	2842.7	2934.2	3031.4	3091.5	3107.2
60°	3644.8	3642.0	3593.4	3516.1	3351.7	3197.3	3145.8	3198.7	3321.7	3368.9	3387.4
62.5°	4049.5	4059.5	3988.0	3933.7	3777.8	3629.1	3531.9	3583.3	3704.9	3770.7	3772.1
65°	4268.3	4288.3	4319.7	4418.4	4366.9	4215.4	4092.4	4032.3	3995.2	3973.7	3960.8
67.5°	4145.3	4146.7	4282.6	4534.2	4831.7	4928.9	4459.9	4039.5	3885.1	3842.2	3830.7
70°	3829.3	3837.9	4023.8	4439.9	5010.4	5097.6	4592.9	3876.5	3640.5	3503.3	3501.8
72.5°	3200.1	3304.5	3549.0	4165.3	4894.6	4884.6	4379.8	3613.4	3241.6	3105.8	3090.0
75°	2532.4	2562.4	2901.3	3594.8	4465.6	4548.5	4069.5	3141.5	2709.7	2530.9	2520.9
77.5°	1618.7	1645.8	2019.0	2789.7	3773.5	3975.1	3471.8	2509.5	2026.2	1775.9	1768.8
80°	790.7	868.0	1151.1	1816.0	2724.0	2914.2	2442.3	1604.4	1199.7	963.8	943.7
82.5°	324.6	341.7	560.5	1005.2	1598.6	1727.3	1248.3	746.4	443.3	293.1	271.7
85°	97.2	98.7	171.6	358.9	673.5	487.6	251.7	107.2	47.2	34.3	32.9
87.5°	17.2	18.6	31.5	42.9	41.5	18.6	17.2	15.7	15.7	15.7	17.2
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)