

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: P509434

Luminaire Tested: **VERD-CA2-90-760-U-T5**

Issue Date: 3/4/2021

Test Information

Test Method: LM-79-08
Report Number: P509434
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-CA2-90-760-U-T5
Description: VERDEON ROADWAY AND AREA LUMINAIRE
(2) 70 CRI, 5700K, 1250mA LEDS AND TYPE V OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 13320 lumens
Efficiency: N/A
Efficacy: 141.4 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

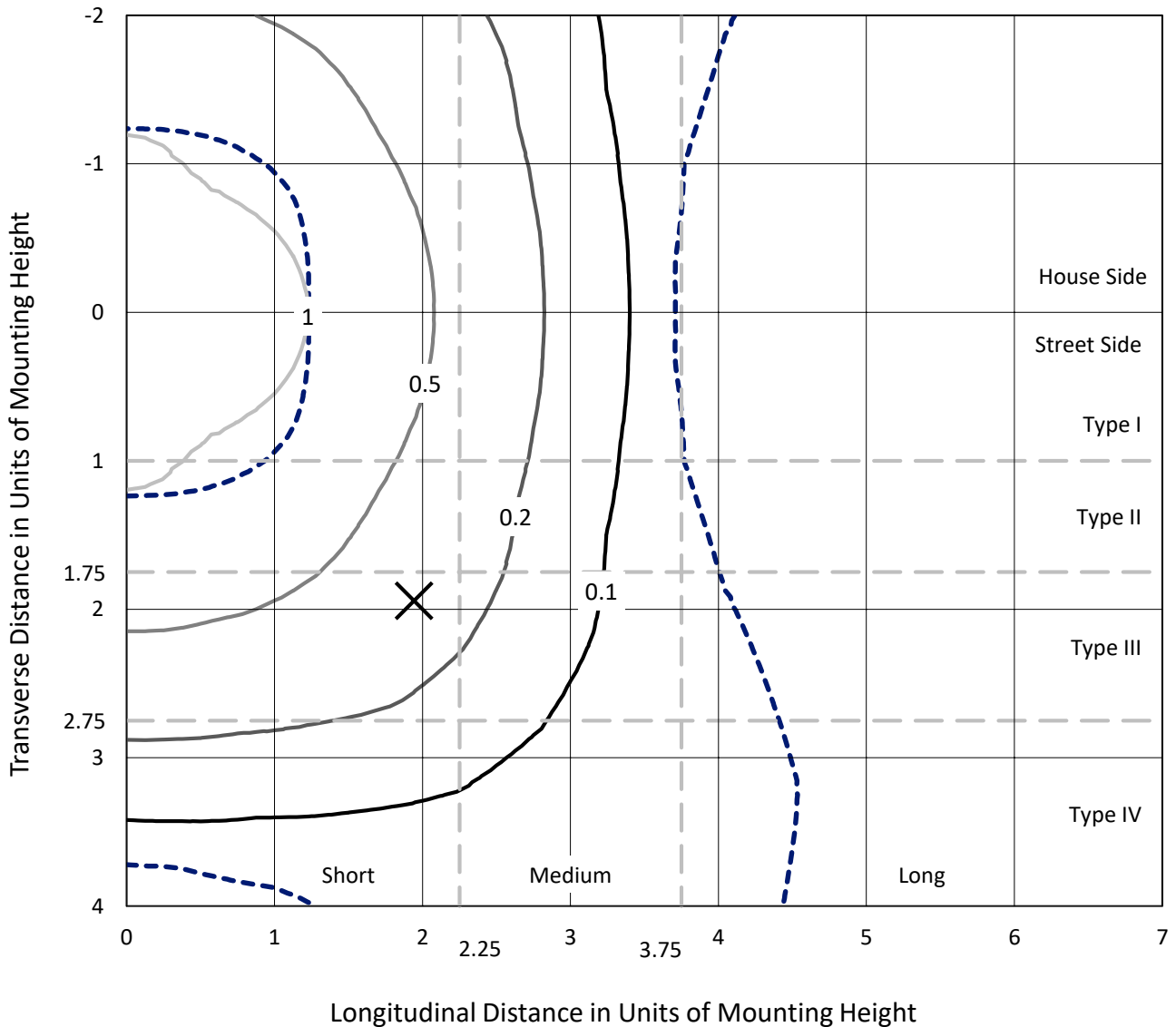


REPORT NUMBER: P509434

CATALOG NUMBER: VERD-CA2-90-760-U-T5

Iso-Footcandle Lines of Horizontal Illumination

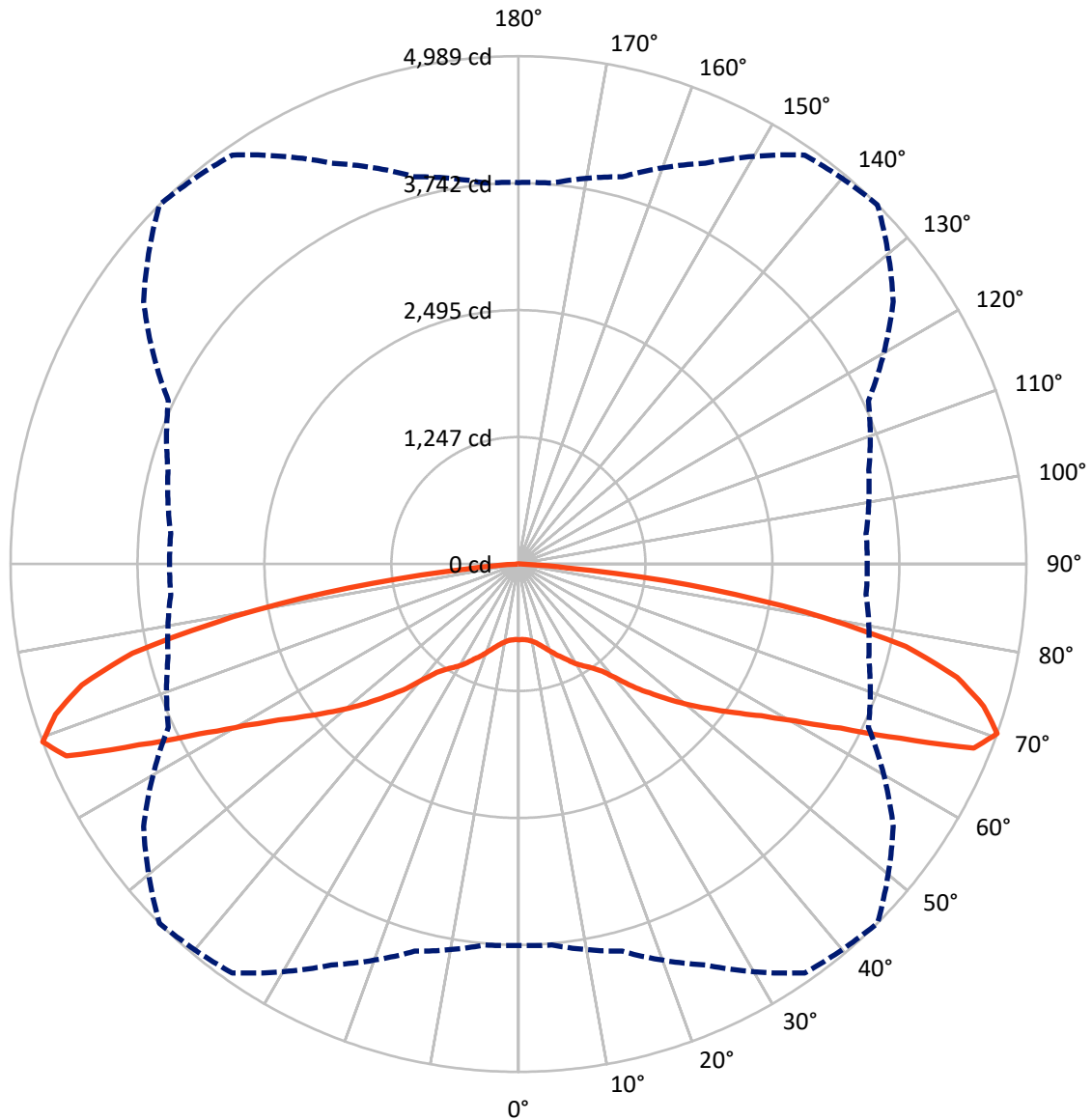
× Max cd
 - - - 1/2 Max cd



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

REPORT NUMBER: P509434
CATALOG NUMBER: VERD-CA2-90-760-U-T5

Luminous Intensity Polar Plot



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

REPORT NUMBER: P509434

CATALOG NUMBER: VERD-CA2-90-760-U-T5

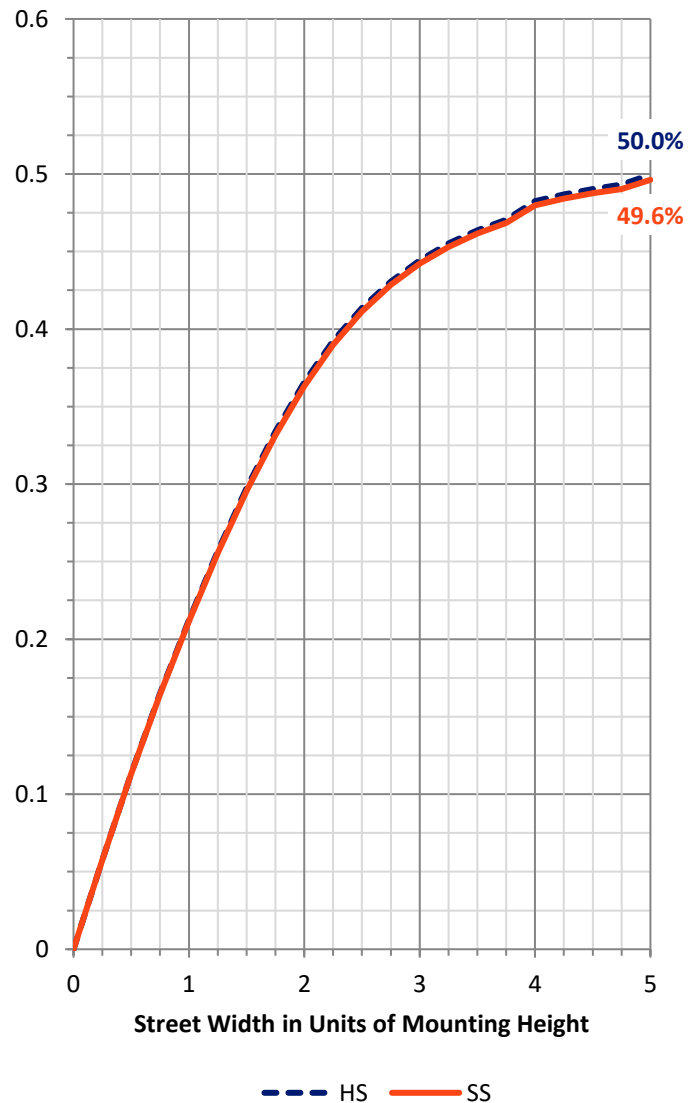
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	6660.0	0.0	6660.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	6660.0	0.0	6660.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	13320.0	0.0	13320.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	72.4	0.5
10°-20°	237.9	1.8
20°-30°	467.4	3.5
30°-40°	801.6	6.0
40°-50°	1471.8	11.0
50°-60°	2477.0	18.6
60°-70°	3913.7	29.4
70°-80°	3339.8	25.1
80°-90°	538.5	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°	13320.0	100.0
0°-180°	13320.0	100.0



REPORT NUMBER: P509434

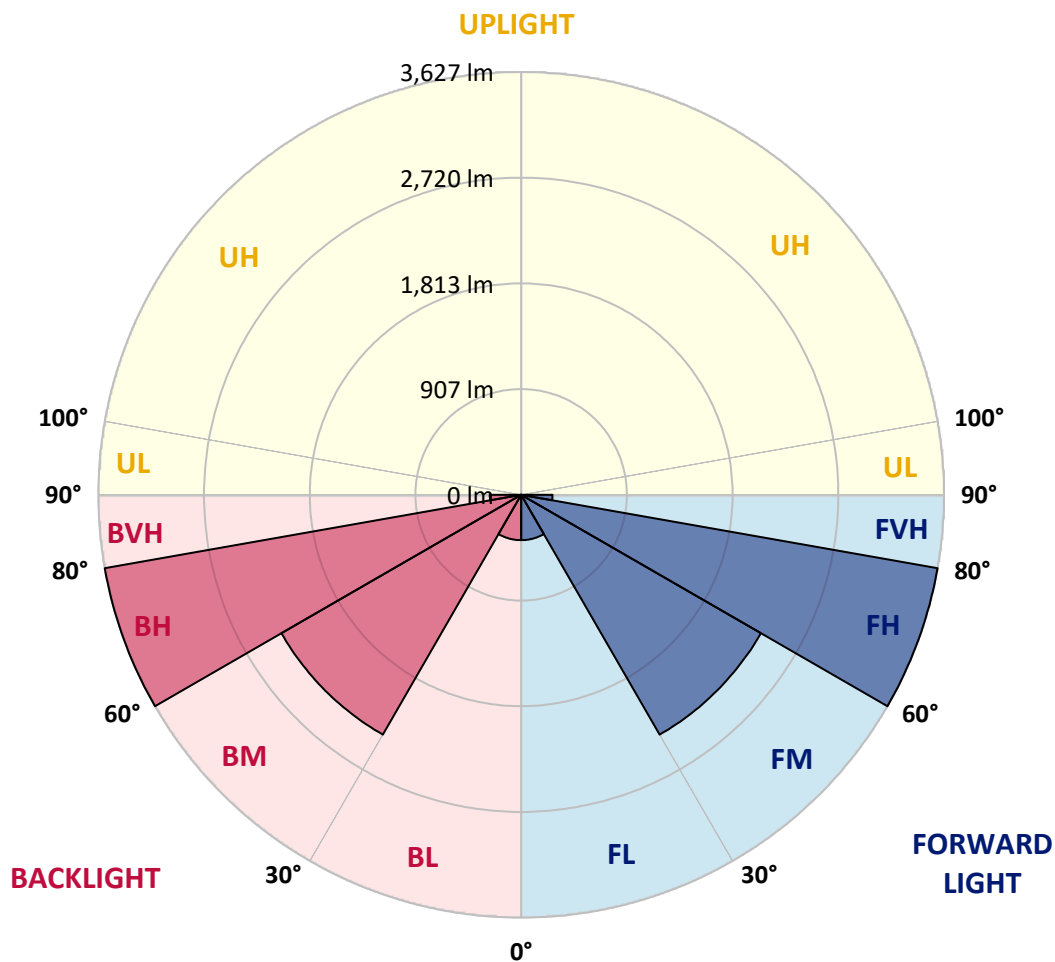
CATALOG NUMBER: VERD-CA2-90-760-U-T5

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	388.8	2.9			
FM (30°-60°)	2375.2	17.8			
FH (60°-80°)	3626.8	27.2			G2/5000
FVH (80°-90°)	269.2	2.0			G3/500
BL (0°-30°)	388.8	2.9	B1/500		
BM (30°-60°)	2375.2	17.8	B2/2500		
BH (60°-80°)	3626.8	27.2	B4/5000		G2/5000
BVH (80°-90°)	269.2	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: P509434

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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	744.6	744.6	744.6	744.6	744.6	744.6	744.6	744.6	744.6	744.6	744.6
2.5°	746.0	750.2	746.0	746.0	743.2	741.8	741.8	741.8	744.6	747.4	747.4
5°	751.6	754.4	750.2	750.2	747.4	747.4	747.4	747.4	750.2	753.0	751.6
7.5°	761.4	765.5	761.4	761.4	758.6	755.8	755.8	757.2	758.6	760.0	758.6
10°	778.1	783.7	778.1	780.9	775.3	773.9	772.5	772.5	773.9	773.9	773.9
12.5°	799.1	803.3	800.5	803.3	797.7	797.7	793.5	793.5	792.1	792.1	792.1
15°	827.1	832.7	829.9	834.1	831.3	831.3	827.1	822.9	821.5	821.5	821.5
17.5°	860.7	866.3	864.9	871.9	869.1	871.9	863.5	856.5	857.9	857.9	856.5
20°	899.9	905.5	905.5	915.3	915.3	918.1	906.9	899.9	897.1	898.5	897.1
22.5°	943.3	948.9	947.5	962.9	971.3	971.3	955.9	950.3	944.7	946.1	943.3
25°	990.9	997.9	990.9	1004.9	1018.9	1020.3	1007.7	993.7	993.7	1000.7	997.9
27.5°	1031.5	1039.9	1035.7	1041.3	1072.0	1080.4	1060.9	1045.5	1048.3	1053.9	1049.7
30°	1080.4	1087.4	1080.4	1084.6	1114.0	1142.0	1105.6	1101.4	1107.0	1112.6	1112.6
32.5°	1143.4	1151.8	1139.2	1143.4	1153.2	1196.6	1164.4	1170.0	1182.6	1195.2	1195.2
35°	1217.6	1226.0	1213.4	1213.4	1217.6	1254.0	1244.2	1261.0	1286.2	1312.8	1318.4
37.5°	1311.4	1315.6	1301.6	1296.0	1304.4	1333.8	1347.8	1385.5	1426.1	1475.1	1483.5
40°	1438.7	1444.3	1424.7	1419.1	1424.7	1466.7	1505.9	1573.1	1629.1	1680.8	1686.4
42.5°	1627.7	1644.5	1624.9	1606.7	1606.7	1644.5	1699.0	1780.2	1851.6	1885.2	1893.6
45°	1836.2	1851.6	1809.6	1785.8	1776.0	1806.8	1867.0	1962.2	2029.3	2083.9	2079.7
47.5°	2083.9	2078.3	2039.1	1997.1	1966.4	1985.9	2041.9	2124.5	2197.3	2246.3	2247.7
50°	2361.0	2359.6	2307.8	2225.3	2166.5	2174.9	2212.7	2300.8	2373.6	2419.8	2431.0
52.5°	2656.3	2646.5	2578.0	2482.8	2394.6	2366.6	2382.0	2460.4	2538.8	2592.0	2592.0
55°	2951.6	2939.0	2881.7	2755.7	2650.7	2575.2	2564.0	2642.3	2731.9	2796.3	2800.5
57.5°	3256.7	3259.5	3198.0	3090.2	2929.2	2813.1	2782.3	2871.9	2967.0	3025.8	3041.2
60°	3567.4	3564.6	3517.0	3441.5	3280.5	3129.4	3079.0	3130.8	3251.1	3297.3	3315.5
62.5°	3963.5	3973.3	3903.3	3850.1	3697.6	3552.0	3456.9	3507.3	3626.2	3690.6	3692.0
65°	4177.6	4197.2	4228.0	4324.6	4274.2	4125.8	4005.5	3946.7	3910.3	3889.3	3876.7
67.5°	4057.3	4058.7	4191.6	4437.9	4729.1	4824.2	4365.2	3953.7	3802.6	3760.6	3749.4
70°	3748.0	3756.4	3938.3	4345.6	4904.0	4989.4	4495.3	3794.2	3563.2	3428.9	3427.5
72.5°	3132.2	3234.3	3473.7	4076.9	4790.6	4780.8	4286.8	3536.6	3172.8	3039.8	3024.4
75°	2478.6	2508.0	2839.7	3518.4	4370.8	4451.9	3983.1	3074.8	2652.1	2477.2	2467.4
77.5°	1584.3	1610.9	1976.2	2730.5	3693.4	3890.7	3398.1	2456.2	1983.2	1738.2	1731.2
80°	773.9	849.5	1126.6	1777.4	2666.1	2852.3	2390.4	1570.3	1174.2	943.3	923.7
82.5°	317.7	334.5	548.6	983.9	1564.7	1690.6	1221.8	730.6	433.9	286.9	265.9
85°	95.2	96.6	167.9	351.3	659.2	477.2	246.3	105.0	46.2	33.6	32.2
87.5°	16.8	18.2	30.8	42.0	40.6	18.2	16.8	15.4	15.4	15.4	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)