

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: P509274

Luminaire Tested: **VERD-CA2-60-740-U-T5**

Issue Date: 3/4/2021

Test Information

Test Method: LM-79-08
Report Number: P509274
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-CA2-60-740-U-T5
Description: VERDEON ROADWAY AND AREA LUMINAIRE
(2) 70 CRI, 4000K, 850mA LEDS AND TYPE V OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 9517 lumens
Efficiency: N/A
Efficacy: 150.1 lumens/watt
Luminous Opening: Rectangular (W 0.79' x L: 1.25' x H: 0')
IES Classification: Type V - Short
BUG Rating: B4 - U0 - G2

Input Watts (W): 63.4
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

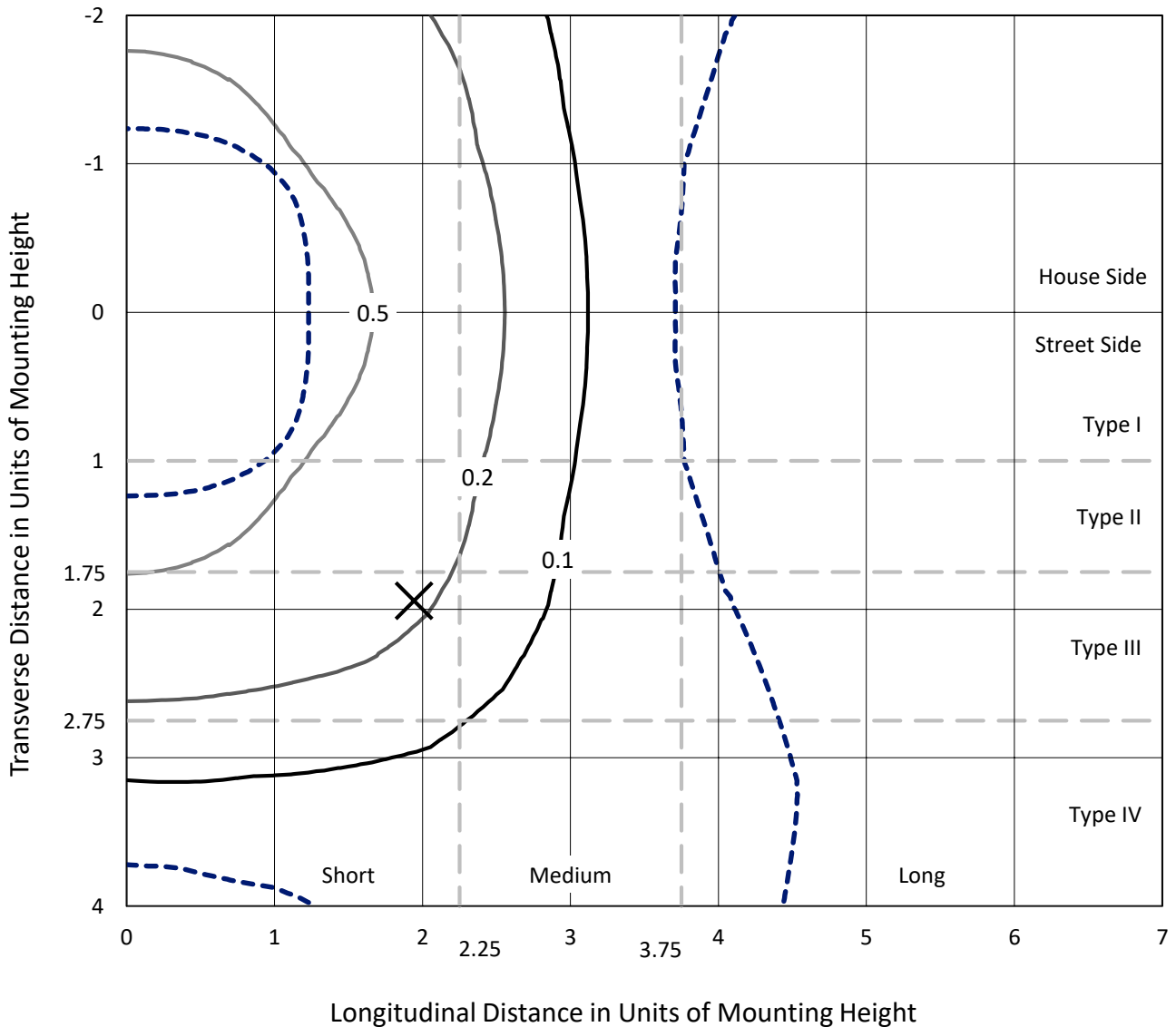


REPORT NUMBER: P509274

CATALOG NUMBER: VERD-CA2-60-740-U-T5

Iso-Footcandle Lines of Horizontal Illumination

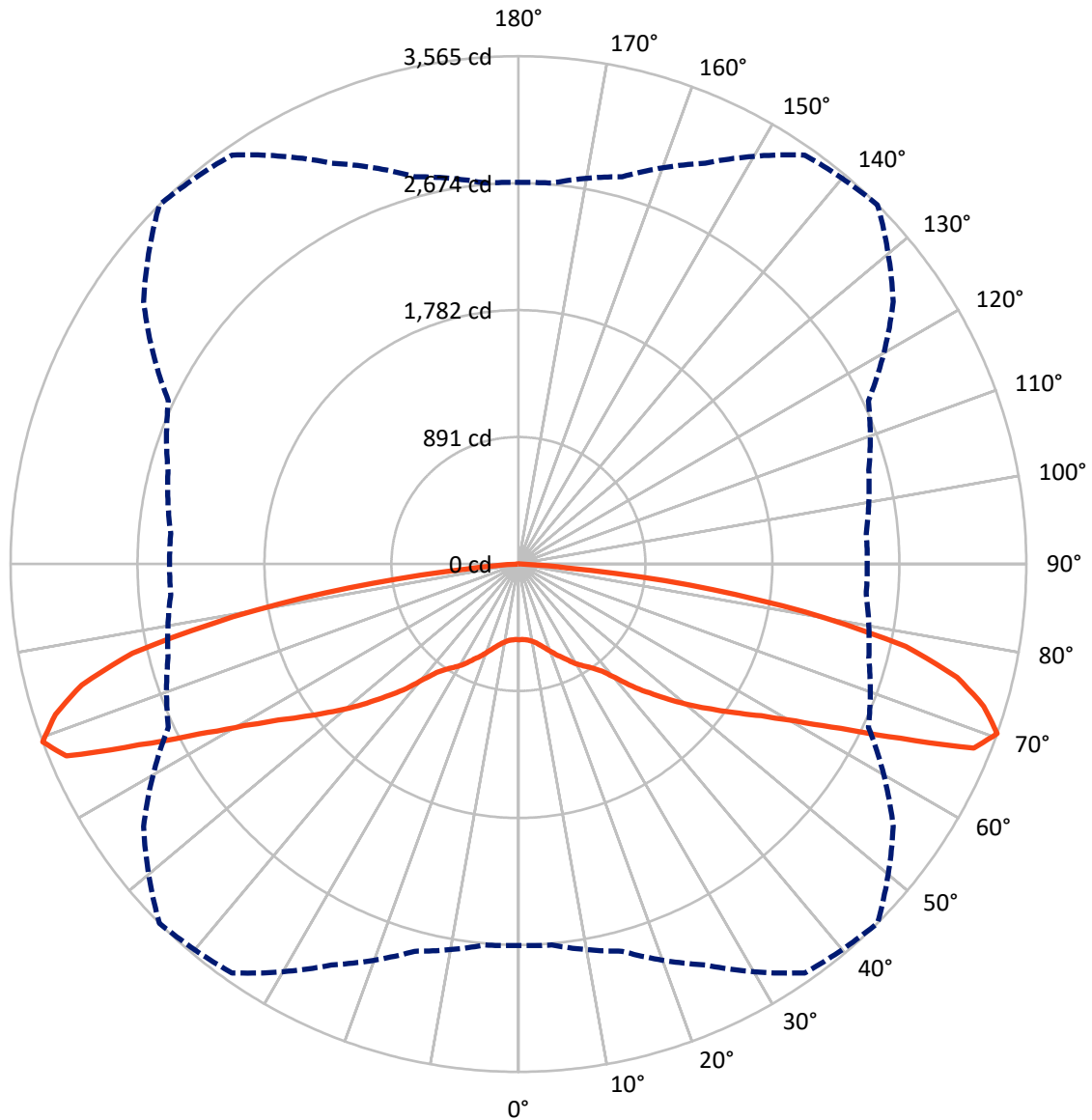
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 0.9 fc
 Type V - Short - N/A

REPORT NUMBER: P509274
CATALOG NUMBER: VERD-CA2-60-740-U-T5

Luminous Intensity Polar Plot



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

REPORT NUMBER: P509274

CATALOG NUMBER: VERD-CA2-60-740-U-T5

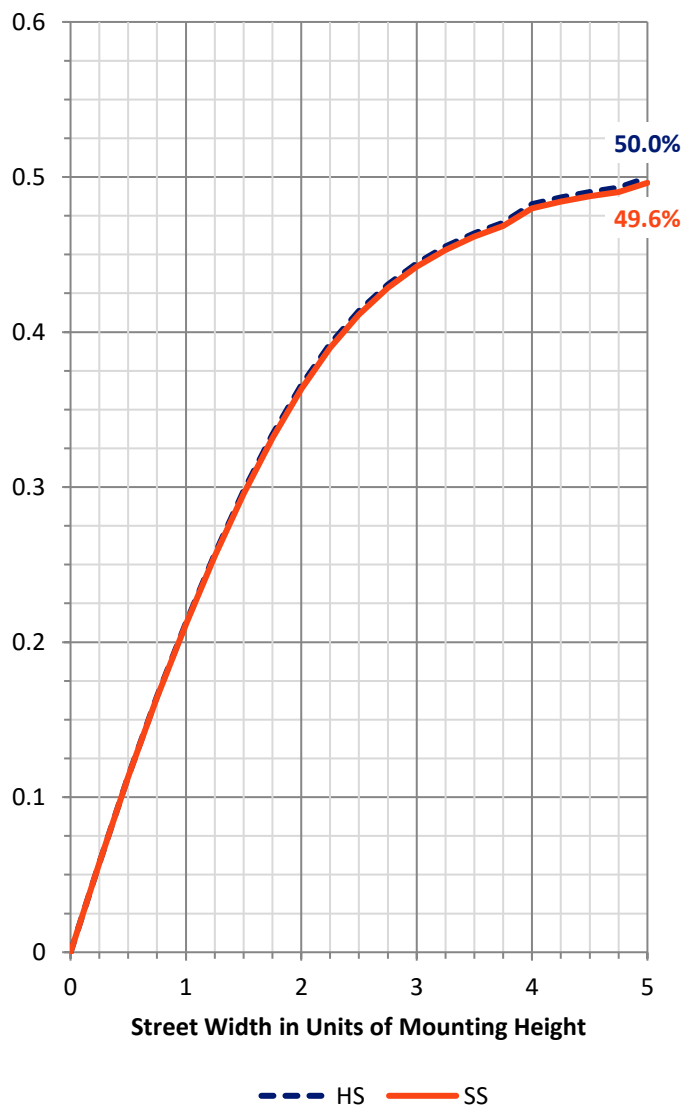
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4758.5	0.0	4758.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	4758.5	0.0	4758.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	9517.0	0.0	9517.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	51.7	0.5
10°-20°	170.0	1.8
20°-30°	333.9	3.5
30°-40°	572.7	6.0
40°-50°	1051.6	11.0
50°-60°	1769.8	18.6
60°-70°	2796.3	29.4
70°-80°	2386.3	25.1
80°-90°	384.7	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°	9517.0	100.0
0°-180°	9517.0	100.0

Coefficient of Utilization



REPORT NUMBER: P509274

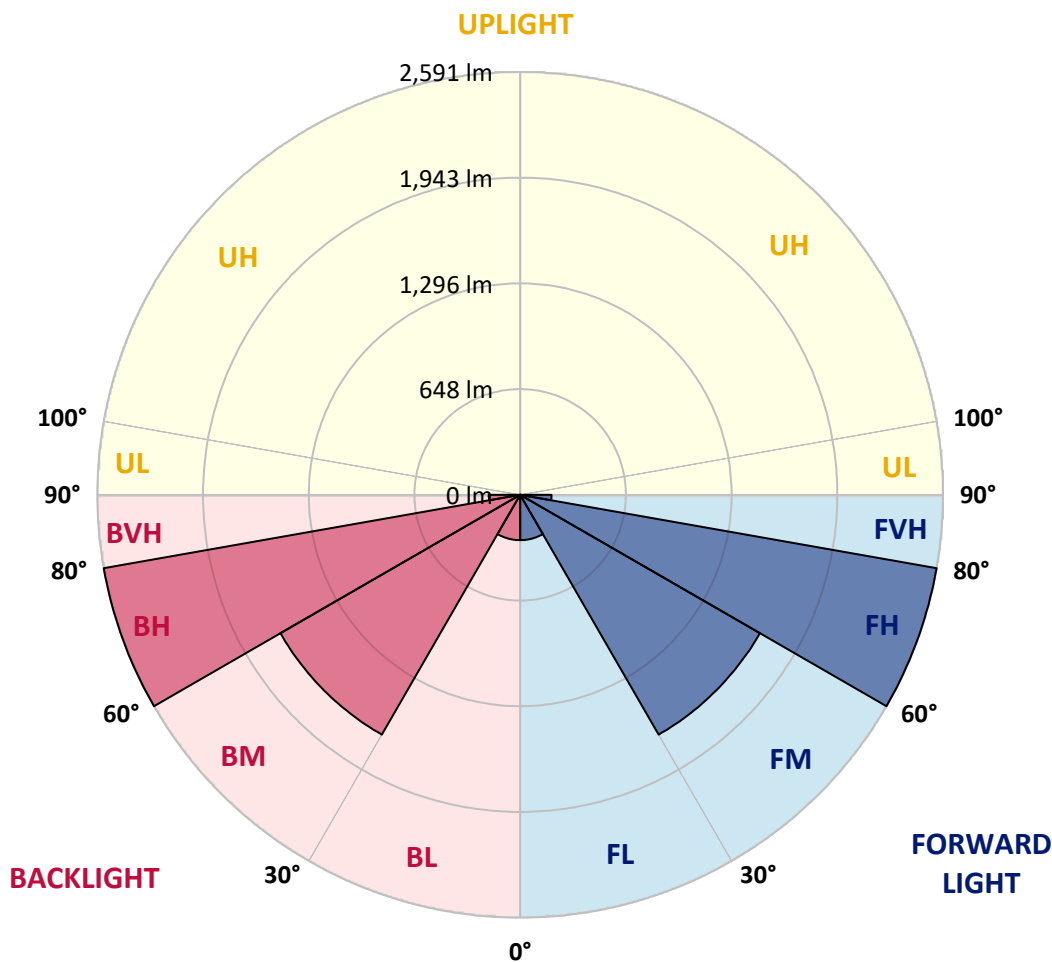
CATALOG NUMBER: VERD-CA2-60-740-U-T5

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	277.8	2.9			
FM (30°-60°)	1697.0	17.8			
FH (60°-80°)	2591.3	27.2			G2/5000
FVH (80°-90°)	192.4	2.0			G2/225
BL (0°-30°)	277.8	2.9	B1/500		
BM (30°-60°)	1697.0	17.8	B2/2500		
BH (60°-80°)	2591.3	27.2	B4/5000		G2/5000
BVH (80°-90°)	192.4	2.0			G2/225
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B4-U0-G2

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	532.0	532.0	532.0	532.0	532.0	532.0	532.0	532.0	532.0	532.0	532.0
2.5°	533.0	536.0	533.0	533.0	531.0	530.0	530.0	530.0	532.0	534.0	534.0
5°	537.0	539.0	536.0	536.0	534.0	534.0	534.0	534.0	536.0	538.0	537.0
7.5°	544.0	547.0	544.0	544.0	542.0	540.0	540.0	541.0	542.0	543.0	542.0
10°	556.0	560.0	556.0	558.0	554.0	553.0	552.0	552.0	553.0	553.0	553.0
12.5°	571.0	574.0	572.0	574.0	570.0	570.0	567.0	567.0	566.0	566.0	566.0
15°	591.0	595.0	593.0	596.0	594.0	594.0	591.0	588.0	587.0	587.0	587.0
17.5°	615.0	619.0	618.0	623.0	621.0	623.0	617.0	612.0	613.0	613.0	612.0
20°	643.0	647.0	647.0	654.0	654.0	656.0	648.0	643.0	641.0	642.0	641.0
22.5°	674.0	678.0	677.0	688.0	694.0	694.0	683.0	679.0	675.0	676.0	674.0
25°	708.0	713.0	708.0	718.0	728.0	729.0	720.0	710.0	710.0	715.0	713.0
27.5°	737.0	743.0	740.0	744.0	766.0	772.0	758.0	747.0	749.0	753.0	750.0
30°	772.0	777.0	772.0	775.0	796.0	816.0	790.0	787.0	791.0	795.0	795.0
32.5°	817.0	823.0	814.0	817.0	824.0	855.0	832.0	836.0	845.0	854.0	854.0
35°	870.0	876.0	867.0	867.0	870.0	896.0	889.0	901.0	919.0	938.0	942.0
37.5°	937.0	940.0	930.0	926.0	932.0	953.0	963.0	990.0	1019.0	1054.0	1060.0
40°	1028.0	1032.0	1018.0	1014.0	1018.0	1048.0	1076.0	1124.0	1164.0	1200.9	1204.9
42.5°	1163.0	1175.0	1161.0	1148.0	1148.0	1175.0	1213.9	1271.9	1322.9	1346.9	1352.9
45°	1311.9	1322.9	1292.9	1275.9	1268.9	1290.9	1333.9	1401.9	1449.9	1488.9	1485.9
47.5°	1488.9	1484.9	1456.9	1426.9	1404.9	1418.9	1458.9	1517.9	1569.9	1604.9	1605.9
50°	1686.9	1685.9	1648.9	1589.9	1547.9	1553.9	1580.9	1643.9	1695.9	1728.9	1736.9
52.5°	1897.9	1890.9	1841.9	1773.9	1710.9	1690.9	1701.9	1757.9	1813.9	1851.9	1851.9
55°	2108.9	2099.9	2058.9	1968.9	1893.9	1839.9	1831.9	1887.9	1951.9	1997.9	2000.9
57.5°	2326.9	2328.9	2284.9	2207.9	2092.9	2009.9	1987.9	2051.9	2119.9	2161.9	2172.9
60°	2548.9	2546.9	2512.9	2458.9	2343.9	2235.9	2199.9	2236.9	2322.9	2355.9	2368.9
62.5°	2831.9	2838.9	2788.9	2750.9	2641.9	2537.9	2469.9	2505.9	2590.9	2636.9	2637.9
65°	2984.9	2998.9	3020.9	3089.9	3053.9	2947.9	2861.9	2819.9	2793.9	2778.9	2769.9
67.5°	2898.9	2899.9	2994.9	3170.9	3378.9	3446.9	3118.9	2824.9	2716.9	2686.9	2678.9
70°	2677.9	2683.9	2813.9	3104.9	3503.9	3564.8	3211.9	2710.9	2545.9	2449.9	2448.9
72.5°	2237.9	2310.9	2481.9	2912.9	3422.9	3415.9	3062.9	2526.9	2266.9	2171.9	2160.9
75°	1770.9	1791.9	2028.9	2513.9	3122.9	3180.9	2845.9	2196.9	1894.9	1769.9	1762.9
77.5°	1132.0	1151.0	1411.9	1950.9	2638.9	2779.9	2427.9	1754.9	1416.9	1241.9	1236.9
80°	553.0	607.0	805.0	1269.9	1904.9	2037.9	1707.9	1122.0	839.0	674.0	660.0
82.5°	227.0	239.0	392.0	703.0	1118.0	1207.9	873.0	522.0	310.0	205.0	190.0
85°	68.0	69.0	120.0	251.0	471.0	341.0	176.0	75.0	33.0	24.0	23.0
87.5°	12.0	13.0	22.0	30.0	29.0	13.0	12.0	11.0	11.0	11.0	12.0
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)