

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: P507646

Luminaire Tested: **VERD-S-CA1-60-740-U-T5**

Issue Date: 3/30/2021

Test Information

Test Method: LM-79-08
Report Number: P507646
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2103-168-8)
Test Lab: INNOVATION CENTER
Issue Date: 3/30/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: VERD-S-CA1-60-740-U-T5
Description: VERDEON-S ROADWAY AND AREA LUMINAIRE
(1) 70 CRI, 4000K, 1150mA LED AND TYPE V OPTIC
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 9091 lumens
Efficiency: N/A
Efficacy: 143.6 lumens/watt
Luminous Opening: Rectangular (W 0.83' x L: 0.83' x H: 0')
IES Classification: Type V - Short
BUG Rating: B4 - U0 - G2

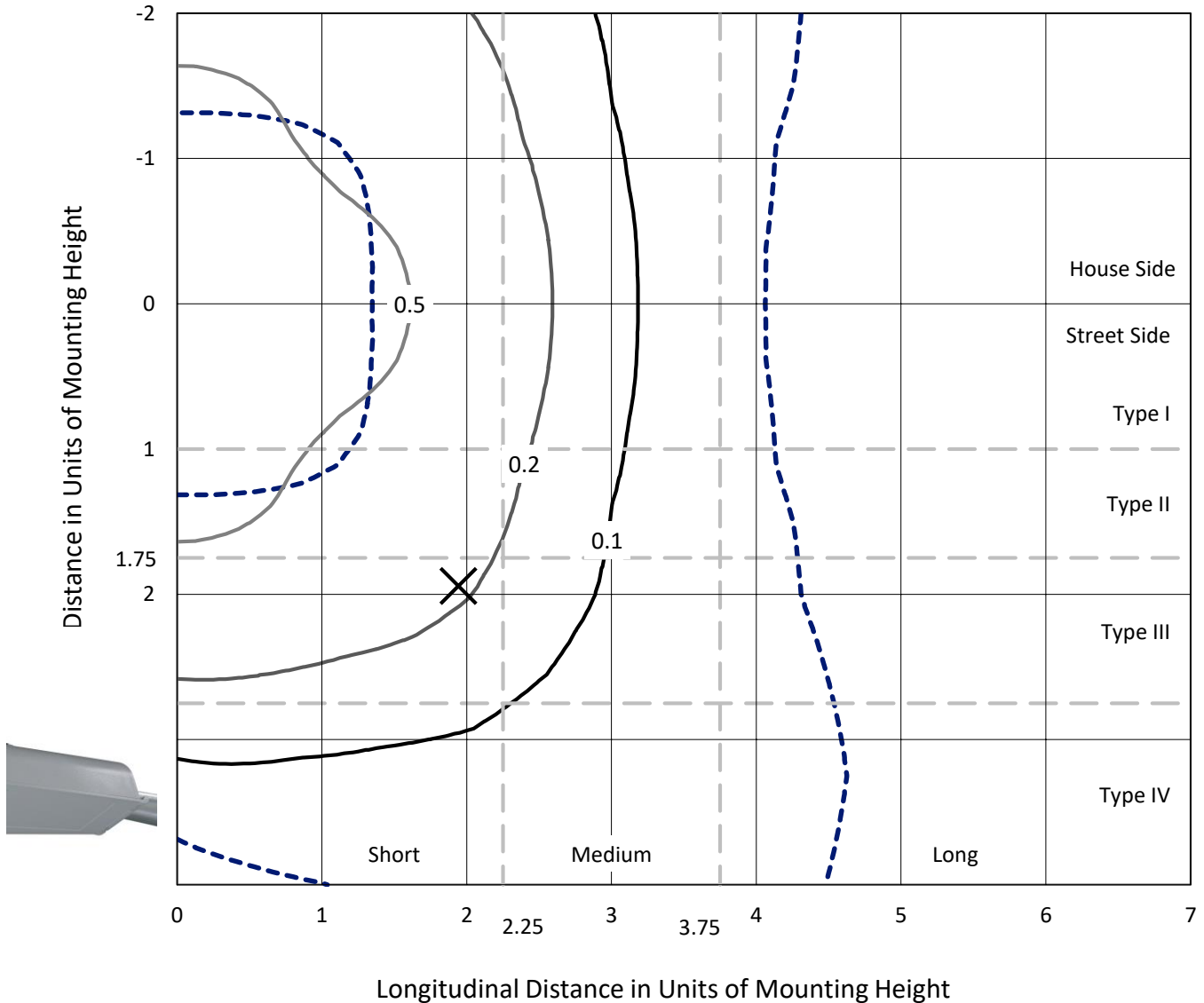
Input Watts (W): 63.3
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P507646
 CATALOG NUMBER: VERD-S-CA1-60-740-U-T5

Iso-Footcandle Lines of Horizontal Illumination

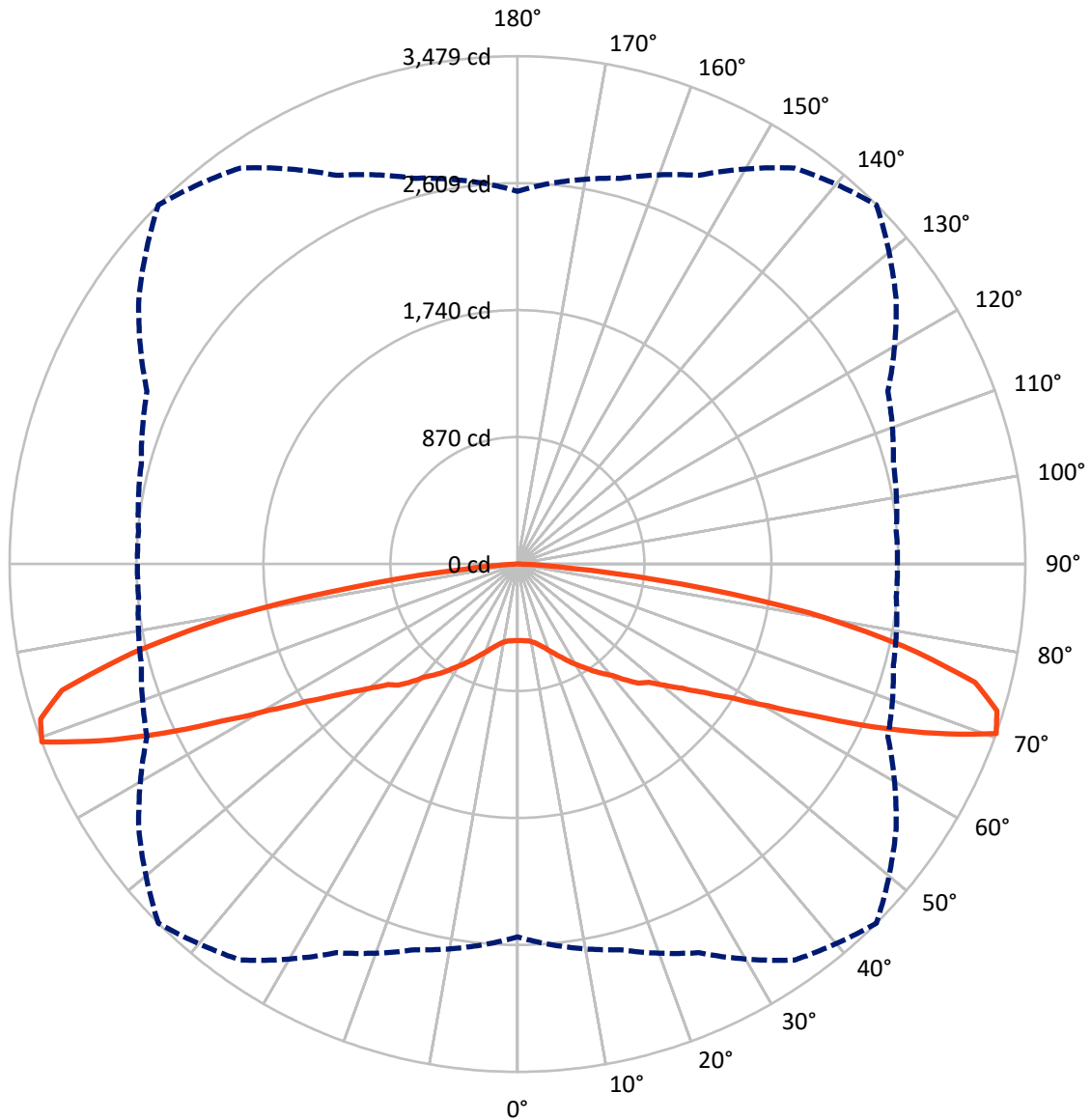
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 0.8 fc
 Type V - Short - N/A

REPORT NUMBER: P507646
CATALOG NUMBER: VERD-S-CA1-60-740-U-T5

Luminous Intensity Polar Plot



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

REPORT NUMBER: P507646

CATALOG NUMBER: VERD-S-CA1-60-740-U-T5

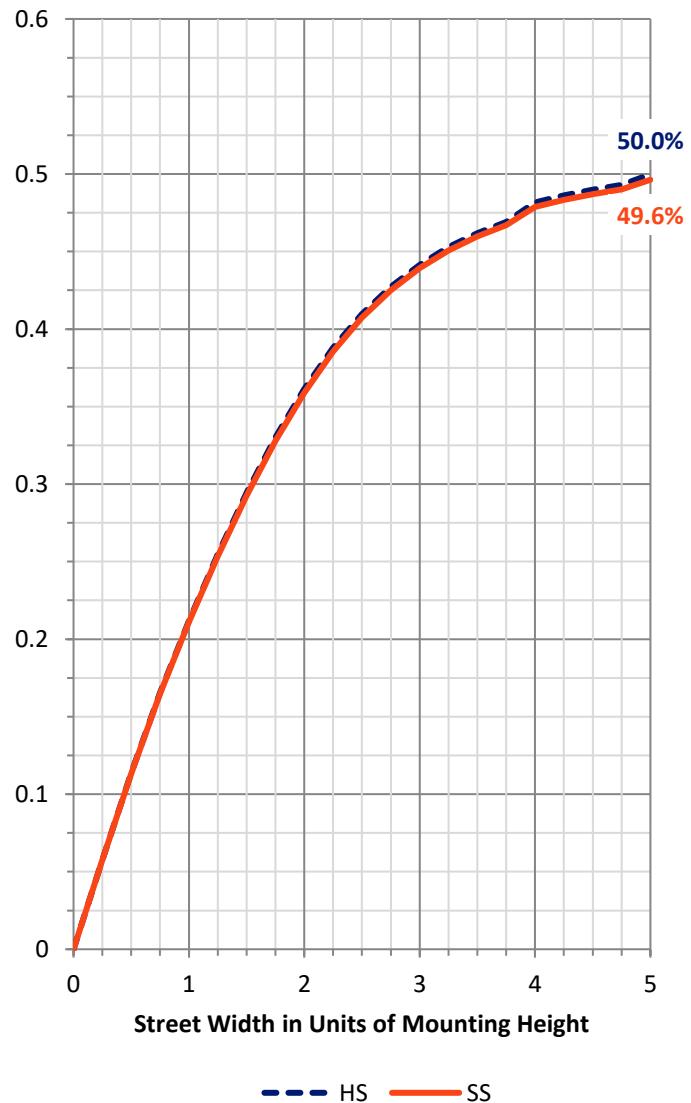
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4545.5	0.0	4545.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	4545.5	0.0	4545.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	9091.0	0.0	9091.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	50.8	0.6
10°-20°	164.2	1.8
20°-30°	325.5	3.6
30°-40°	566.5	6.2
40°-50°	928.1	10.2
50°-60°	1578.2	17.4
60°-70°	2623.4	28.9
70°-80°	2447.2	26.9
80°-90°	407.1	4.5
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°	9091.0	100.0
0°-180°	9091.0	100.0

Coefficient of Utilization



REPORT NUMBER: P507646

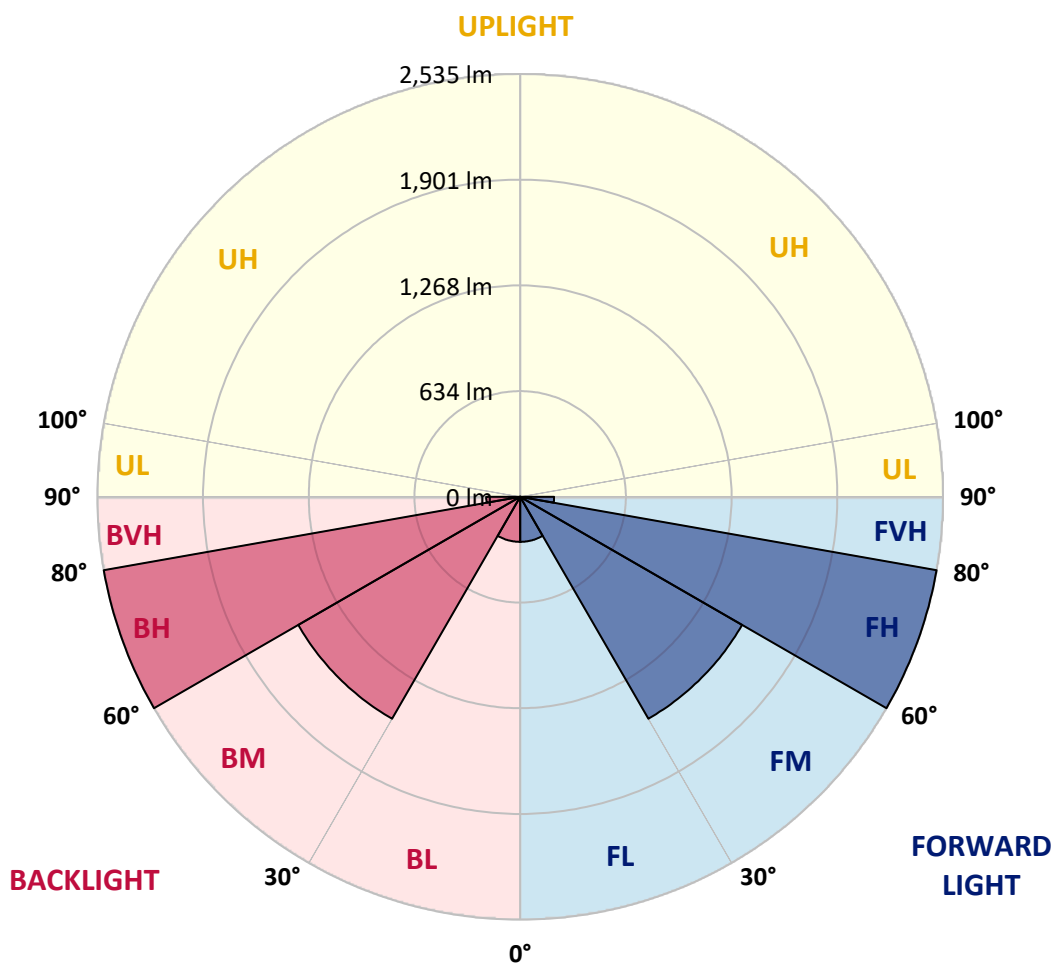
CATALOG NUMBER: VERD-S-CA1-60-740-U-T5

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	270.2	3.0			
FM (30°-60°)	1536.4	16.9			
FH (60°-80°)	2535.3	27.9			G2/5000
FVH (80°-90°)	203.5	2.2			G2/225
BL (0°-30°)	270.2	3.0	B1/500		
BM (30°-60°)	1536.4	16.9	B2/2500		
BH (60°-80°)	2535.3	27.9	B4/5000		G2/5000
BVH (80°-90°)	203.5	2.2			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





REPORT NUMBER: P507646
 CATALOG NUMBER: VERD-S-CA1-60-740-U-T5

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	524.1	524.1	524.1	524.1	524.1	524.1	524.1	524.1	524.1	524.1	524.1
2.5°	524.1	524.1	524.1	524.1	524.1	524.1	524.1	526.5	526.5	526.5	526.5
5°	529.0	529.0	526.5	526.5	526.5	526.5	529.0	529.0	529.0	531.4	531.4
7.5°	531.4	531.4	531.4	531.4	531.4	531.4	531.4	531.4	533.9	533.9	533.9
10°	541.3	541.3	541.3	541.3	541.3	541.3	541.3	541.3	541.3	541.3	541.3
12.5°	551.1	551.1	553.6	553.6	556.0	556.0	553.6	553.6	551.1	548.7	548.7
15°	568.3	568.3	570.8	573.3	578.2	578.2	575.7	573.3	568.3	565.9	565.9
17.5°	585.6	585.6	588.0	592.9	600.3	602.8	597.9	592.9	588.0	585.6	585.6
20°	610.2	612.6	615.1	620.0	632.3	637.2	629.9	620.0	617.6	617.6	617.6
22.5°	647.1	647.1	647.1	654.5	664.3	671.7	661.8	656.9	652.0	652.0	652.0
25°	686.4	686.4	686.4	688.9	703.7	711.0	701.2	693.8	691.4	693.8	693.8
27.5°	730.7	730.7	730.7	730.7	743.0	755.3	743.0	735.6	738.1	738.1	738.1
30°	777.5	777.5	779.9	779.9	784.9	799.6	787.3	784.9	787.3	789.8	789.8
32.5°	831.6	834.1	831.6	831.6	836.5	846.4	839.0	839.0	843.9	848.8	848.8
35°	888.2	888.2	888.2	888.2	890.7	900.5	895.6	895.6	903.0	910.3	910.3
37.5°	949.7	952.2	944.8	942.3	947.2	952.2	949.7	954.6	966.9	976.8	979.2
40°	1016.1	1016.1	1008.7	1001.4	1001.4	1003.8	1008.7	1018.6	1035.8	1048.1	1050.6
42.5°	1099.8	1107.2	1094.9	1085.0	1080.1	1085.0	1089.9	1107.2	1124.4	1134.2	1134.2
45°	1210.5	1213.0	1198.2	1181.0	1168.7	1163.8	1171.1	1188.4	1208.0	1227.7	1227.7
47.5°	1345.8	1340.9	1308.9	1257.2	1220.3	1210.5	1222.8	1262.2	1308.9	1338.4	1343.4
50°	1515.6	1510.7	1461.5	1385.2	1318.8	1304.0	1311.4	1370.4	1439.3	1483.6	1491.0
52.5°	1717.3	1705.0	1650.9	1550.0	1449.2	1414.7	1431.9	1510.7	1599.2	1655.8	1663.2
55°	1924.0	1916.6	1860.0	1746.9	1618.9	1554.9	1577.1	1682.9	1793.6	1852.7	1857.6
57.5°	2125.8	2128.2	2076.5	1973.2	1823.1	1729.6	1759.2	1884.6	2010.1	2069.2	2069.2
60°	2317.7	2315.2	2278.3	2197.1	2081.5	1973.2	2010.1	2113.5	2224.2	2278.3	2283.2
62.5°	2502.2	2499.7	2487.4	2435.8	2369.3	2290.6	2293.1	2361.9	2450.5	2489.9	2497.3
65°	2740.8	2735.9	2718.7	2686.7	2696.6	2691.6	2610.4	2627.7	2711.3	2755.6	2758.1
67.5°	2758.1	2787.6	2844.2	2940.1	3077.9	3097.6	2994.3	2839.3	2797.4	2772.8	2770.4
70°	2553.9	2617.8	2735.9	2937.7	3311.6	3479.0	3166.5	2799.9	2667.0	2605.5	2603.1
72.5°	2194.6	2327.5	2482.5	2804.8	3326.4	3434.7	3183.7	2654.7	2440.7	2339.8	2325.0
75°	1700.1	1828.0	2086.4	2529.3	3129.6	3237.8	2991.8	2381.6	2106.1	2007.7	1978.1
77.5°	1045.7	1198.2	1471.3	1978.1	2590.8	2701.5	2504.6	1899.4	1604.2	1449.2	1456.5
80°	509.3	659.4	888.2	1336.0	1862.5	2024.9	1722.3	1225.3	976.8	868.5	858.7
82.5°	221.4	300.2	428.1	669.2	1058.0	1131.8	875.9	605.2	482.2	430.6	425.6
85°	32.0	44.3	110.7	199.3	319.8	359.2	206.7	125.5	96.0	86.1	78.7
87.5°	22.1	22.1	22.1	24.6	29.5	32.0	27.1	24.6	22.1	22.1	22.1
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)