

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: P509258

Luminaire Tested: **VERD-CA2-60-727-U-T5**

Issue Date: 3/4/2021

Test Information

Test Method: LM-79-08
Report Number: P509258
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-CA2-60-727-U-T5
Description: VERDEON ROADWAY AND AREA LUMINAIRE
(2) 70 CRI, 2700K, 850mA LEDS AND TYPE V OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8059 lumens
Efficiency: N/A
Efficacy: 127.1 lumens/watt
Luminous Opening: Rectangular (W 0.79' x L: 1.25' x H: 0')
IES Classification: Type V - Short
BUG Rating: B3 - U0 - G2

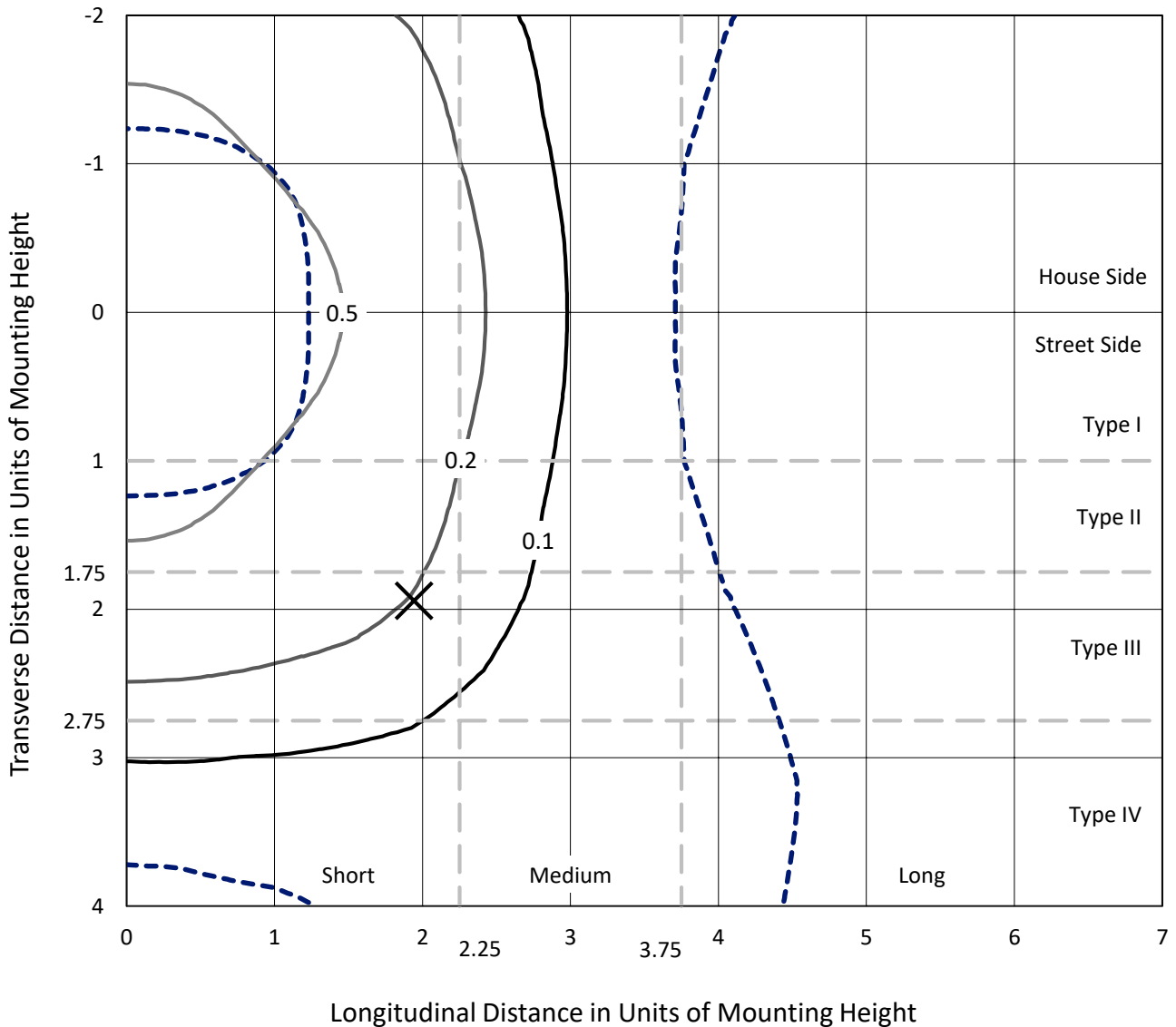
Input Watts (W): 63.4
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P509258
 CATALOG NUMBER: VERD-CA2-60-727-U-T5

Iso-Footcandle Lines of Horizontal Illumination

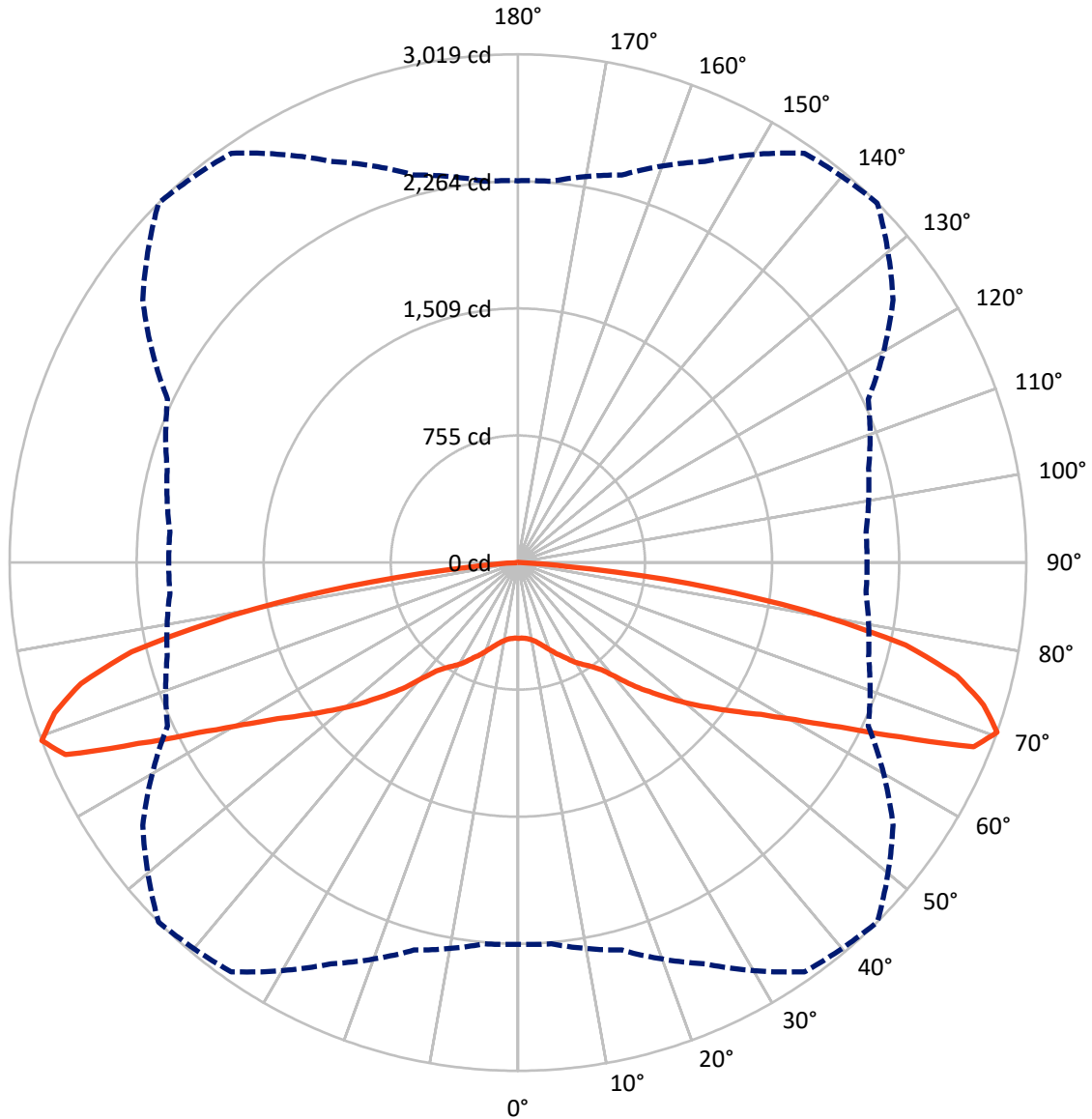
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 0.7 fc
 Type V - Short - N/A

REPORT NUMBER: P509258
CATALOG NUMBER: VERD-CA2-60-727-U-T5

Luminous Intensity Polar Plot



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

REPORT NUMBER: P509258

CATALOG NUMBER: VERD-CA2-60-727-U-T5

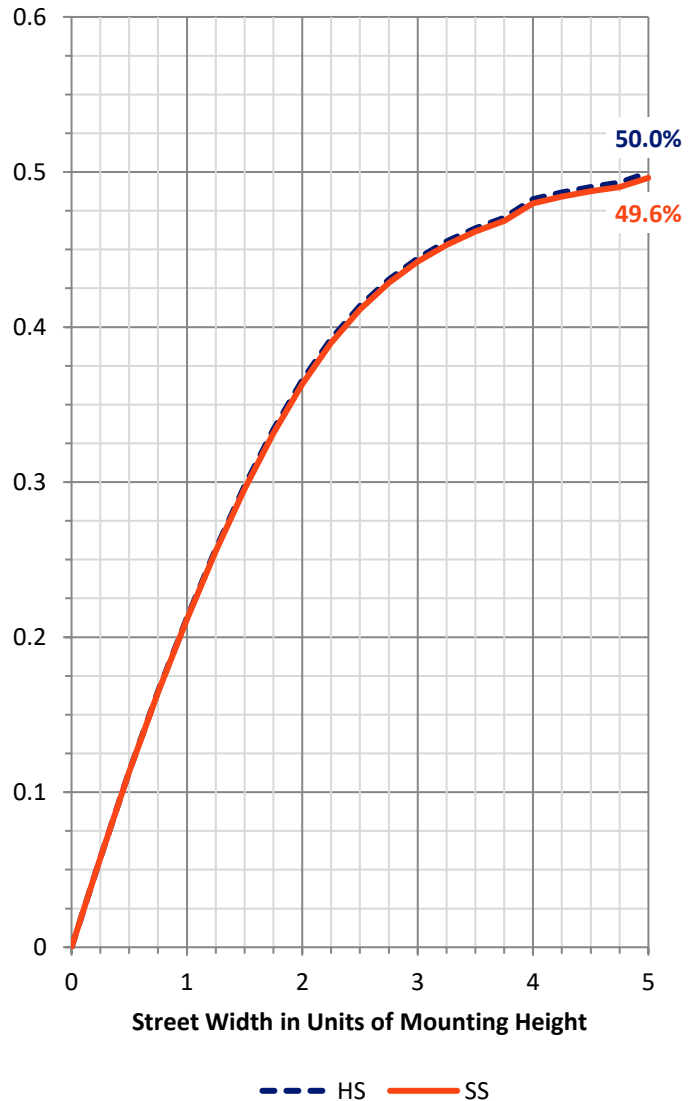
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4029.5	0.0	4029.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	4029.5	0.0	4029.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	8059.0	0.0	8059.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	43.8	0.5
10°-20°	144.0	1.8
20°-30°	282.8	3.5
30°-40°	485.0	6.0
40°-50°	890.5	11.0
50°-60°	1498.6	18.6
60°-70°	2367.9	29.4
70°-80°	2020.7	25.1
80°-90°	325.8	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°	8059.0	100.0
0°-180°	8059.0	100.0

Coefficient of Utilization



REPORT NUMBER: P509258

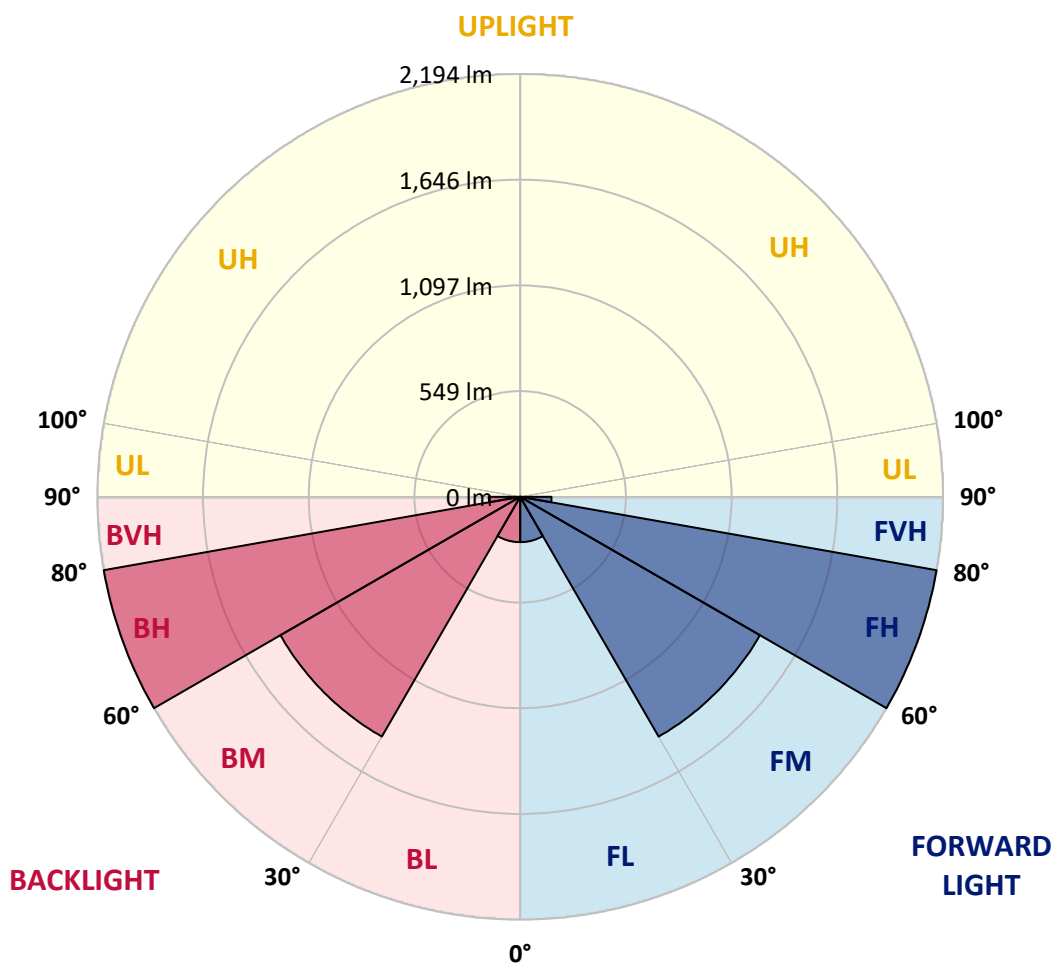
CATALOG NUMBER: VERD-CA2-60-727-U-T5

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	235.3	2.9			
FM (30°-60°)	1437.1	17.8			
FH (60°-80°)	2194.3	27.2			G2/5000
FVH (80°-90°)	162.9	2.0			G2/225
BL (0°-30°)	235.3	2.9	B1/500		
BM (30°-60°)	1437.1	17.8	B2/2500		
BH (60°-80°)	2194.3	27.2	B3/2500		G2/5000
BVH (80°-90°)	162.9	2.0			G2/225
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G2

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	450.5	450.5	450.5	450.5	450.5	450.5	450.5	450.5	450.5	450.5	450.5
2.5°	451.3	453.9	451.3	451.3	449.6	448.8	448.8	448.8	450.5	452.2	452.2
5°	454.7	456.4	453.9	453.9	452.2	452.2	452.2	452.2	453.9	455.6	454.7
7.5°	460.6	463.2	460.6	460.6	458.9	457.3	457.3	458.1	458.9	459.8	458.9
10°	470.8	474.2	470.8	472.5	469.1	468.3	467.4	467.4	468.3	468.3	468.3
12.5°	483.5	486.0	484.3	486.0	482.7	482.7	480.1	480.1	479.3	479.3	479.3
15°	500.4	503.8	502.1	504.7	503.0	503.0	500.4	497.9	497.1	497.1	497.1
17.5°	520.8	524.1	523.3	527.5	525.8	527.5	522.5	518.2	519.1	519.1	518.2
20°	544.5	547.9	547.9	553.8	553.8	555.5	548.7	544.5	542.8	543.6	542.8
22.5°	570.7	574.1	573.3	582.6	587.7	587.7	578.3	575.0	571.6	572.4	570.7
25°	599.5	603.7	599.5	608.0	616.4	617.3	609.7	601.2	601.2	605.4	603.7
27.5°	624.1	629.1	626.6	630.0	648.6	653.7	641.8	632.5	634.2	637.6	635.1
30°	653.7	657.9	653.7	656.2	674.0	691.0	668.9	666.4	669.8	673.2	673.2
32.5°	691.8	696.9	689.3	691.8	697.7	724.0	704.5	707.9	715.5	723.1	723.1
35°	736.7	741.8	734.1	734.1	736.7	758.7	752.8	762.9	778.2	794.3	797.7
37.5°	793.4	796.0	787.5	784.1	789.2	807.0	815.4	838.3	862.9	892.5	897.6
40°	870.5	873.9	862.0	858.6	862.0	887.4	911.1	951.8	985.6	1017.0	1020.4
42.5°	984.8	994.9	983.1	972.1	972.1	994.9	1028.0	1077.1	1120.3	1140.6	1145.7
45°	1111.0	1120.3	1094.9	1080.5	1074.5	1093.2	1129.6	1187.2	1227.8	1260.8	1258.3
47.5°	1260.8	1257.4	1233.7	1208.3	1189.7	1201.6	1235.4	1285.4	1329.4	1359.1	1359.9
50°	1428.5	1427.6	1396.3	1346.4	1310.8	1315.9	1338.7	1392.1	1436.1	1464.1	1470.8
52.5°	1607.2	1601.2	1559.7	1502.2	1448.8	1431.9	1441.2	1488.6	1536.0	1568.2	1568.2
55°	1785.8	1778.2	1743.5	1667.3	1603.8	1558.0	1551.3	1598.7	1652.9	1691.8	1694.4
57.5°	1970.4	1972.1	1934.9	1869.7	1772.3	1702.0	1683.4	1737.6	1795.1	1830.7	1840.0
60°	2158.4	2156.7	2127.9	2082.2	1984.8	1893.4	1862.9	1894.2	1967.0	1995.0	2006.0
62.5°	2398.0	2404.0	2361.6	2329.4	2237.2	2149.1	2091.5	2122.0	2194.0	2232.9	2233.8
65°	2527.6	2539.4	2558.1	2616.5	2586.0	2496.3	2423.4	2387.9	2365.9	2353.2	2345.5
67.5°	2454.8	2455.6	2536.1	2685.1	2861.2	2918.8	2641.1	2392.1	2300.7	2275.3	2268.5
70°	2267.6	2272.7	2382.8	2629.2	2967.1	3018.7	2719.8	2295.6	2155.9	2074.6	2073.7
72.5°	1895.1	1956.9	2101.7	2466.6	2898.5	2892.5	2593.6	2139.8	1919.6	1839.2	1829.9
75°	1499.6	1517.4	1718.1	2128.8	2644.4	2693.6	2409.9	1860.3	1604.6	1498.8	1492.8
77.5°	958.5	974.6	1195.6	1652.0	2234.6	2354.0	2055.9	1486.1	1199.9	1051.7	1047.4
80°	468.3	514.0	681.6	1075.4	1613.1	1725.7	1446.3	950.1	710.4	570.7	558.9
82.5°	192.2	202.4	331.9	595.3	946.7	1022.9	739.2	442.0	262.5	173.6	160.9
85°	57.6	58.4	101.6	212.5	398.8	288.7	149.0	63.5	27.9	20.3	19.5
87.5°	10.2	11.0	18.6	25.4	24.6	11.0	10.2	9.3	9.3	9.3	10.2
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)