

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: P507614

Luminaire Tested: **VERD-S-CA1-50-760-U-T5**

Issue Date: 3/30/2021

Test Information

Test Method: LM-79-08
Report Number: P507614
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-CA1-50-760-U-T5
Description: VERDEON-S ROADWAY AND AREA LUMINAIRE
(1) 70 CRI, 5700K, 940mA LED AND TYPE V OPTIC
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7716 lumens
Efficiency: N/A
Efficacy: 144.2 lumens/watt
Luminous Opening: Rectangular (W 0.83' x L: 0.83' x H: 0')
IES Classification: Type V - Short
BUG Rating: B3 - U0 - G2

Input Watts (W): 53.5
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

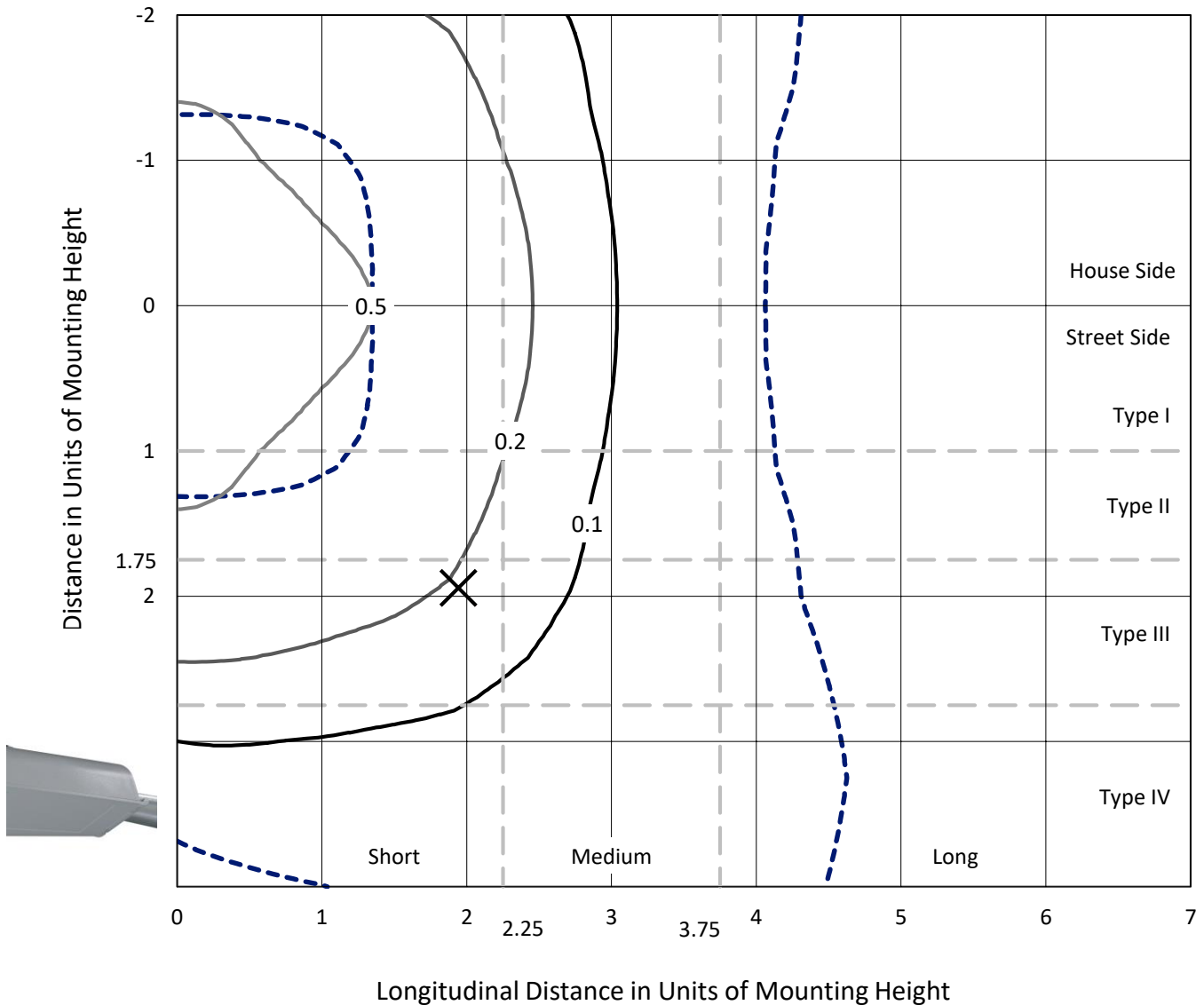


REPORT NUMBER: P507614

CATALOG NUMBER: VERD-S-CA1-50-760-U-T5

Iso-Footcandle Lines of Horizontal Illumination

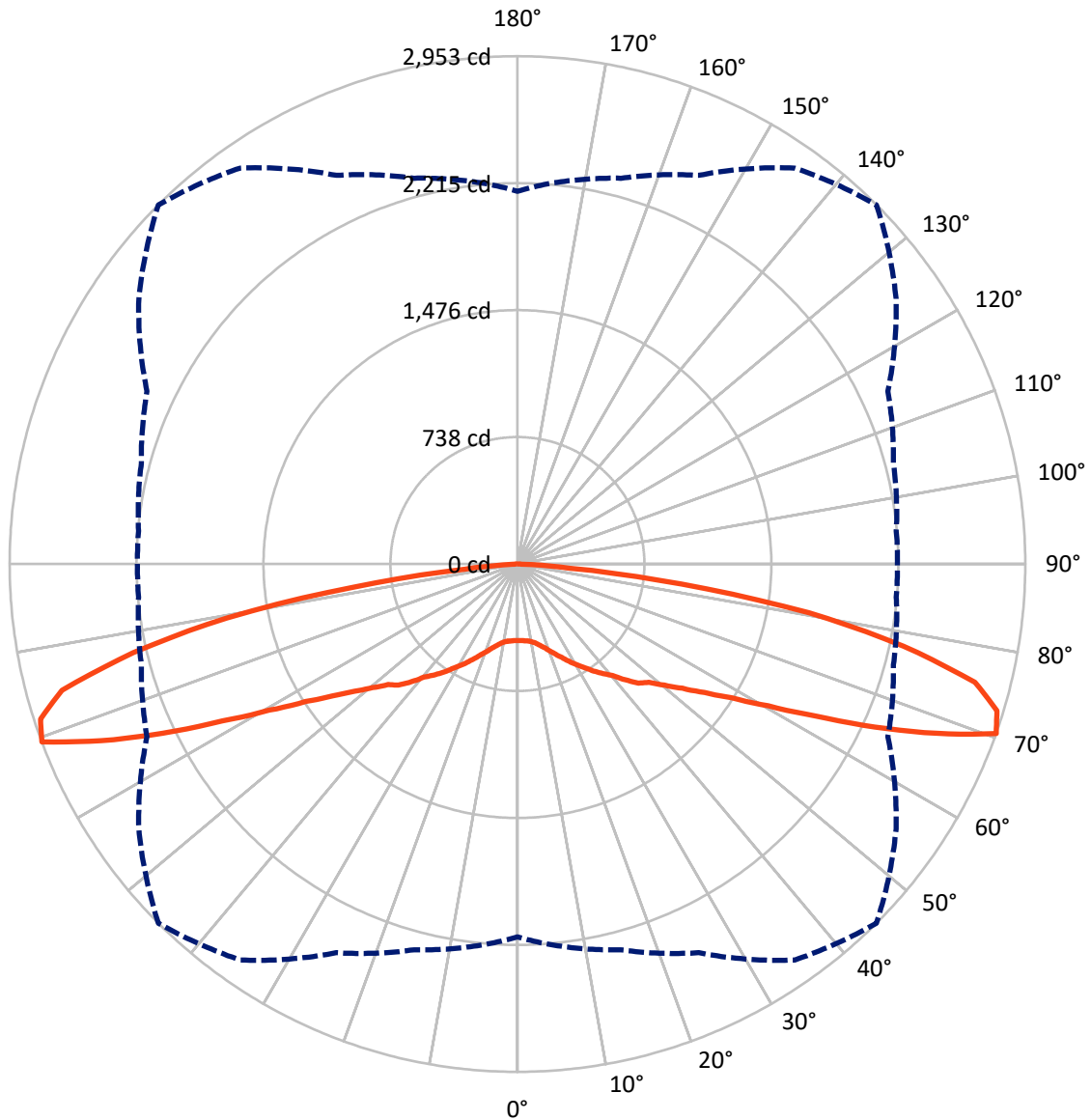
× Max cd
 - - - 1/2 Max cd



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

REPORT NUMBER: P507614
CATALOG NUMBER: VERD-S-CA1-50-760-U-T5

Luminous Intensity Polar Plot



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

REPORT NUMBER: P507614

CATALOG NUMBER: VERD-S-CA1-50-760-U-T5

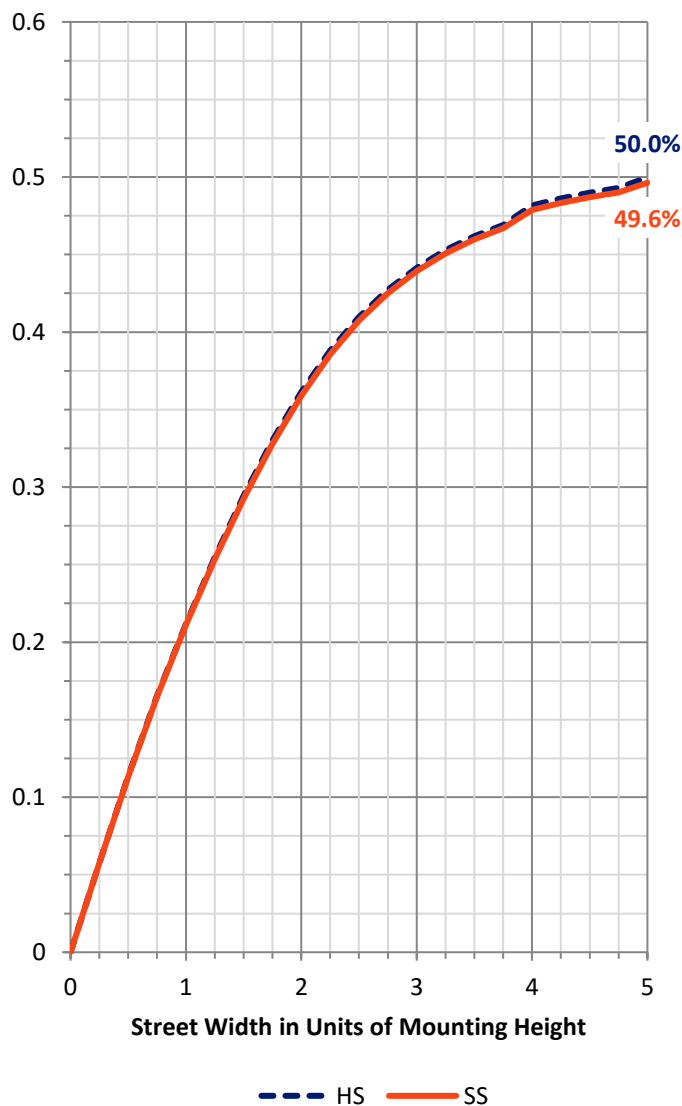
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3858.0	0.0	3858.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	3858.0	0.0	3858.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	7716.0	0.0	7716.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	43.1	0.6
10°-20°	139.3	1.8
20°-30°	276.3	3.6
30°-40°	480.8	6.2
40°-50°	787.8	10.2
50°-60°	1339.5	17.4
60°-70°	2226.6	28.9
70°-80°	2077.1	26.9
80°-90°	345.5	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°	7716.0	100.0
0°-180°	7716.0	100.0

Coefficient of Utilization



REPORT NUMBER: P507614

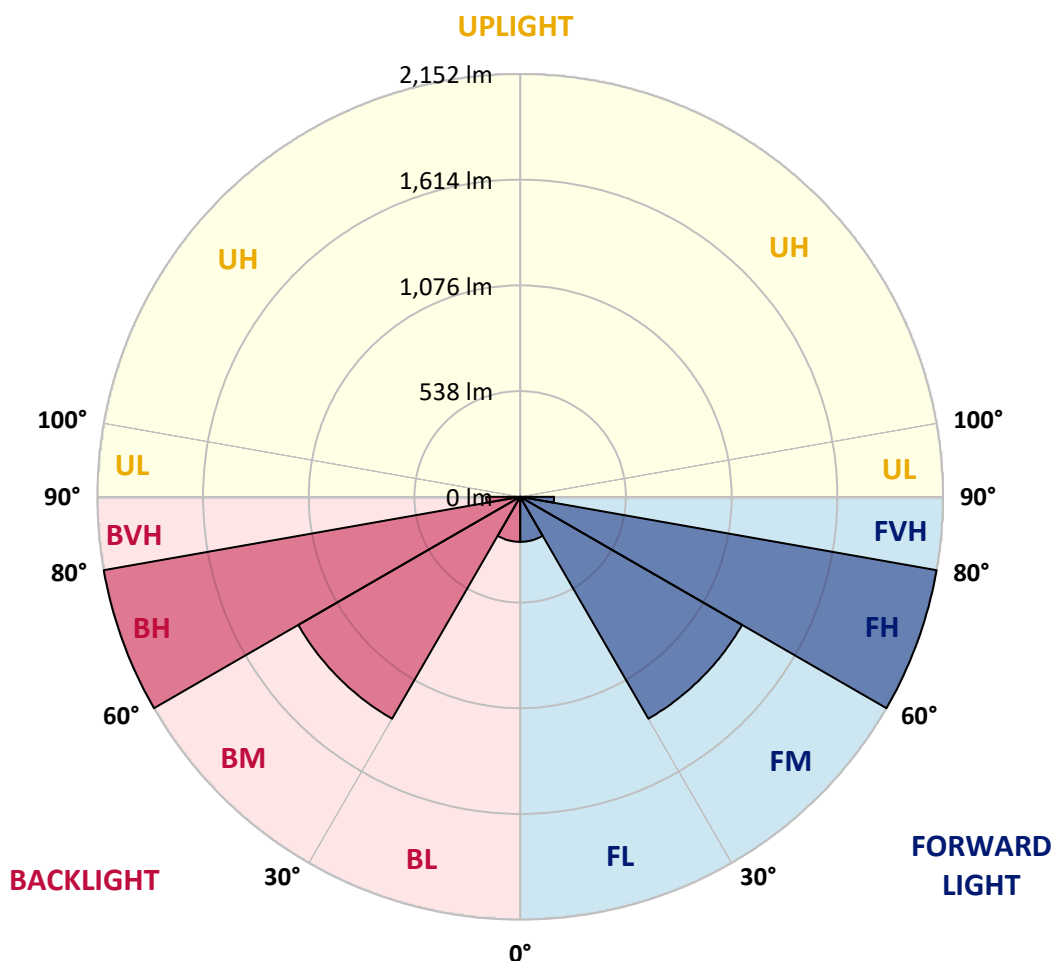
CATALOG NUMBER: VERD-S-CA1-50-760-U-T5

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	229.4	3.0			
FM (30°-60°)	1304.0	16.9			
FH (60°-80°)	2151.8	27.9			G2/5000
FVH (80°-90°)	172.8	2.2			G2/225
BL (0°-30°)	229.4	3.0	B1/500		
BM (30°-60°)	1304.0	16.9	B2/2500		
BH (60°-80°)	2151.8	27.9	B3/2500		G2/5000
BVH (80°-90°)	172.8	2.2			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





REPORT NUMBER: P507614

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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	444.8	444.8	444.8	444.8	444.8	444.8	444.8	444.8	444.8	444.8	444.8
2.5°	444.8	444.8	444.8	444.8	444.8	444.8	444.8	446.9	446.9	446.9	446.9
5°	449.0	449.0	446.9	446.9	446.9	449.0	449.0	449.0	449.0	451.1	451.1
7.5°	451.1	451.1	451.1	451.1	451.1	451.1	451.1	451.1	453.1	453.1	453.1
10°	459.4	459.4	459.4	459.4	459.4	459.4	459.4	459.4	459.4	459.4	459.4
12.5°	467.8	467.8	469.9	469.9	471.9	471.9	469.9	469.9	467.8	465.7	465.7
15°	482.4	482.4	484.5	486.6	490.7	490.7	488.6	486.6	482.4	480.3	480.3
17.5°	497.0	497.0	499.1	503.3	509.5	511.6	507.4	503.3	499.1	497.0	497.0
20°	517.9	520.0	522.1	526.2	536.7	540.9	534.6	526.2	524.1	524.1	524.1
22.5°	549.2	549.2	549.2	555.5	563.8	570.1	561.7	557.6	553.4	553.4	553.4
25°	582.6	582.6	582.6	584.7	597.2	603.5	595.1	588.9	586.8	588.9	588.9
27.5°	620.2	620.2	620.2	620.2	630.6	641.1	630.6	624.4	626.5	626.5	626.5
30°	659.9	659.9	662.0	662.0	666.1	678.7	668.2	666.1	668.2	670.3	670.3
32.5°	705.8	707.9	705.8	705.8	710.0	718.4	712.1	712.1	716.3	720.4	720.4
35°	753.9	753.9	753.9	753.9	755.9	764.3	760.1	760.1	766.4	772.6	772.6
37.5°	806.1	808.1	801.9	799.8	804.0	808.1	806.1	810.2	820.7	829.0	831.1
40°	862.4	862.4	856.2	849.9	849.9	852.0	856.2	864.5	879.1	889.6	891.7
42.5°	933.4	939.7	929.3	920.9	916.7	920.9	925.1	939.7	954.3	962.7	962.7
45°	1027.4	1029.5	1017.0	1002.4	991.9	987.7	994.0	1008.6	1025.3	1042.0	1042.0
47.5°	1142.3	1138.1	1110.9	1067.1	1035.8	1027.4	1037.9	1071.3	1110.9	1136.0	1140.2
50°	1286.4	1282.2	1240.4	1175.7	1119.3	1106.8	1113.0	1163.1	1221.6	1259.2	1265.5
52.5°	1457.6	1447.1	1401.2	1315.6	1230.0	1200.7	1215.4	1282.2	1357.4	1405.4	1411.6
55°	1633.0	1626.7	1578.7	1482.6	1374.1	1319.8	1338.6	1428.4	1522.3	1572.4	1576.6
57.5°	1804.2	1806.3	1762.5	1674.8	1547.4	1468.0	1493.1	1599.6	1706.1	1756.2	1756.2
60°	1967.1	1965.0	1933.7	1864.8	1766.6	1674.8	1706.1	1793.8	1887.8	1933.7	1937.9
62.5°	2123.7	2121.6	2111.2	2067.4	2011.0	1944.1	1946.2	2004.7	2079.9	2113.3	2119.6
65°	2326.3	2322.1	2307.5	2280.4	2288.7	2284.5	2215.6	2230.2	2301.2	2338.8	2340.9
67.5°	2340.9	2366.0	2414.0	2495.4	2612.4	2629.1	2541.4	2409.8	2374.3	2353.4	2351.4
70°	2167.6	2221.9	2322.1	2493.4	2810.8	2952.8	2687.6	2376.4	2263.6	2211.4	2209.4
72.5°	1862.7	1975.5	2107.0	2380.6	2823.3	2915.2	2702.2	2253.2	2071.5	1985.9	1973.4
75°	1443.0	1551.6	1770.8	2146.7	2656.2	2748.1	2539.3	2021.4	1787.5	1704.0	1678.9
77.5°	887.5	1017.0	1248.8	1678.9	2198.9	2292.9	2125.8	1612.1	1361.5	1230.0	1236.2
80°	432.3	559.6	753.9	1133.9	1580.8	1718.6	1461.8	1039.9	829.0	737.1	728.8
82.5°	187.9	254.8	363.4	568.0	897.9	960.6	743.4	513.7	409.3	365.4	361.3
85°	27.1	37.6	94.0	169.1	271.5	304.9	175.4	106.5	81.4	73.1	66.8
87.5°	18.8	18.8	18.8	20.9	25.1	27.1	23.0	20.9	18.8	18.8	18.8
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)