

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: P507478

Luminaire Tested: **VERD-S-CA1-30-722-U-T5**

Issue Date: 3/30/2021

Test Information

Test Method: LM-79-08
Report Number: P507478
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-CA1-30-722-U-T5
Description: VERDEON-S ROADWAY AND AREA LUMINAIRE
(1) 70 CRI, 2200K, 590mA LED AND TYPE V OPTIC
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4083.5 lumens
Efficiency: N/A
Efficacy: 120.1 lumens/watt
Luminous Opening: Rectangular (W 0.83' x L: 0.83' x H: 0')
IES Classification: Type V - Short
BUG Rating: B3 - U0 - G1

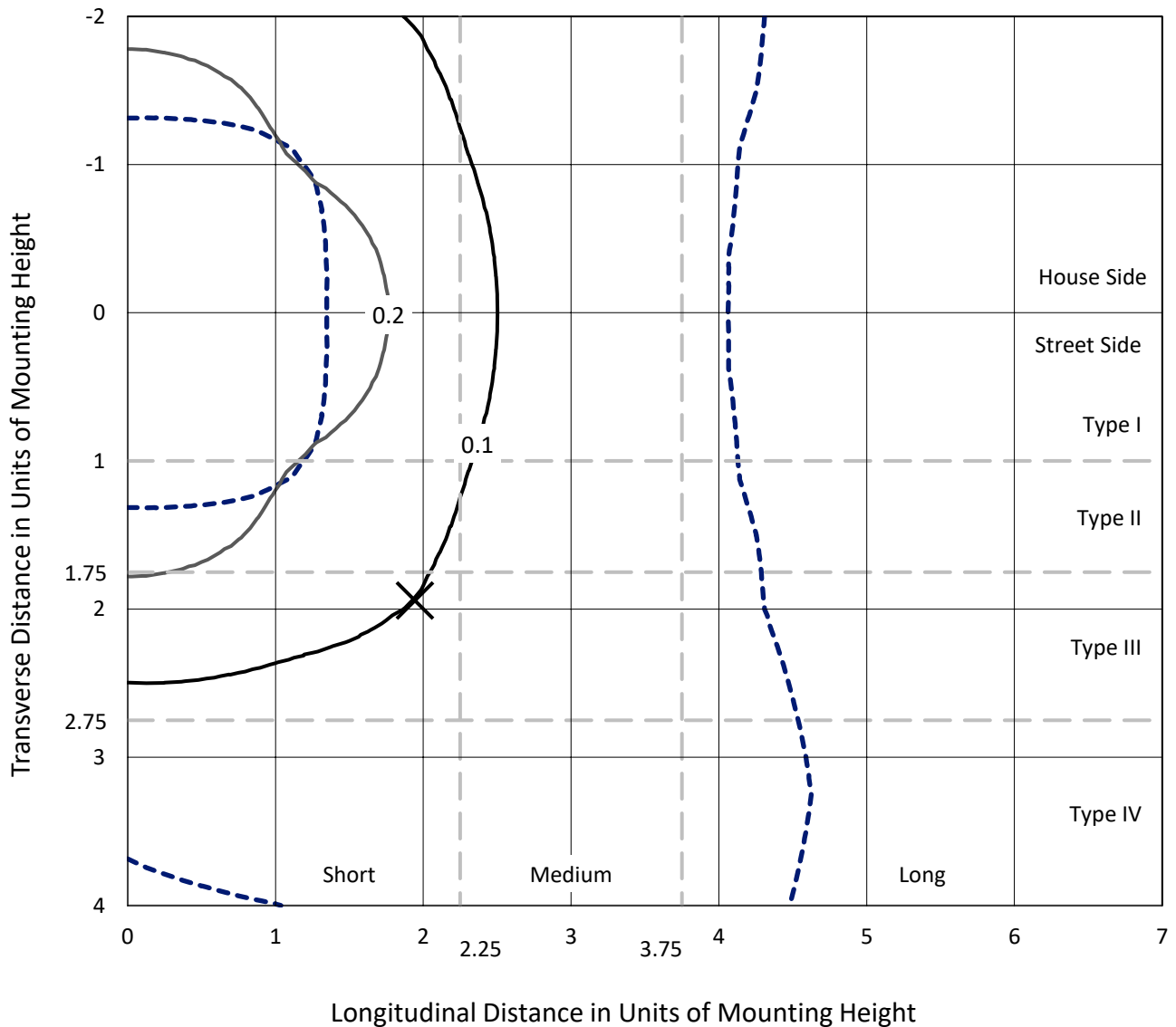
Input Watts (W): 34
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P507478
 CATALOG NUMBER: VERD-S-CA1-30-722-U-T5

Iso-Footcandle Lines of Horizontal Illumination

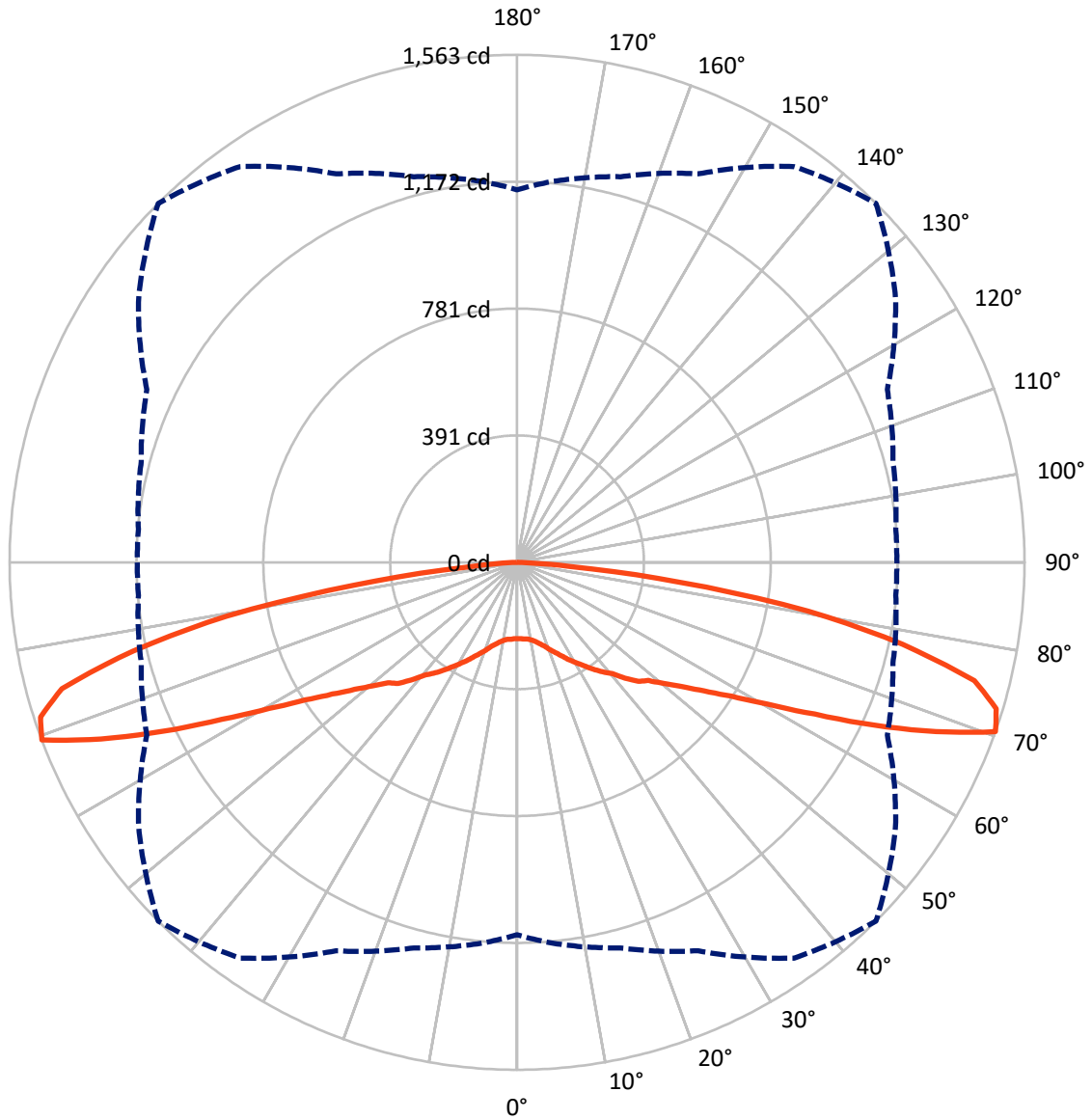
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 0.4 fc
 Type V - Short - N/A

REPORT NUMBER: P507478
CATALOG NUMBER: VERD-S-CA1-30-722-U-T5

Luminous Intensity Polar Plot



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

REPORT NUMBER: P507478
 CATALOG NUMBER: VERD-S-CA1-30-722-U-T5

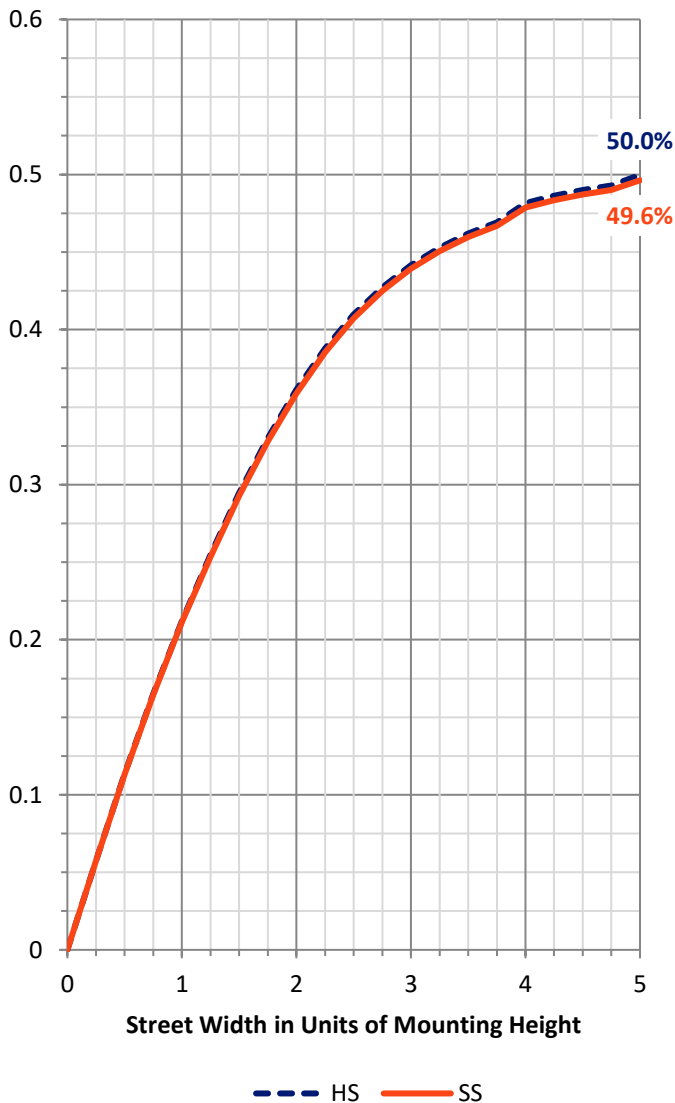
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2041.7	0.0	2041.7
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	2041.7	0.0	2041.7
	% Fixture	50.0	0.0	50.0
Total	Lumens	4083.5	0.0	4083.5
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	22.8	0.6
10°-20°	73.7	1.8
20°-30°	146.2	3.6
30°-40°	254.5	6.2
40°-50°	416.9	10.2
50°-60°	708.9	17.4
60°-70°	1178.4	28.9
70°-80°	1099.2	26.9
80°-90°	182.9	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°	4083.5	100.0
0°-180°	4083.5	100.0



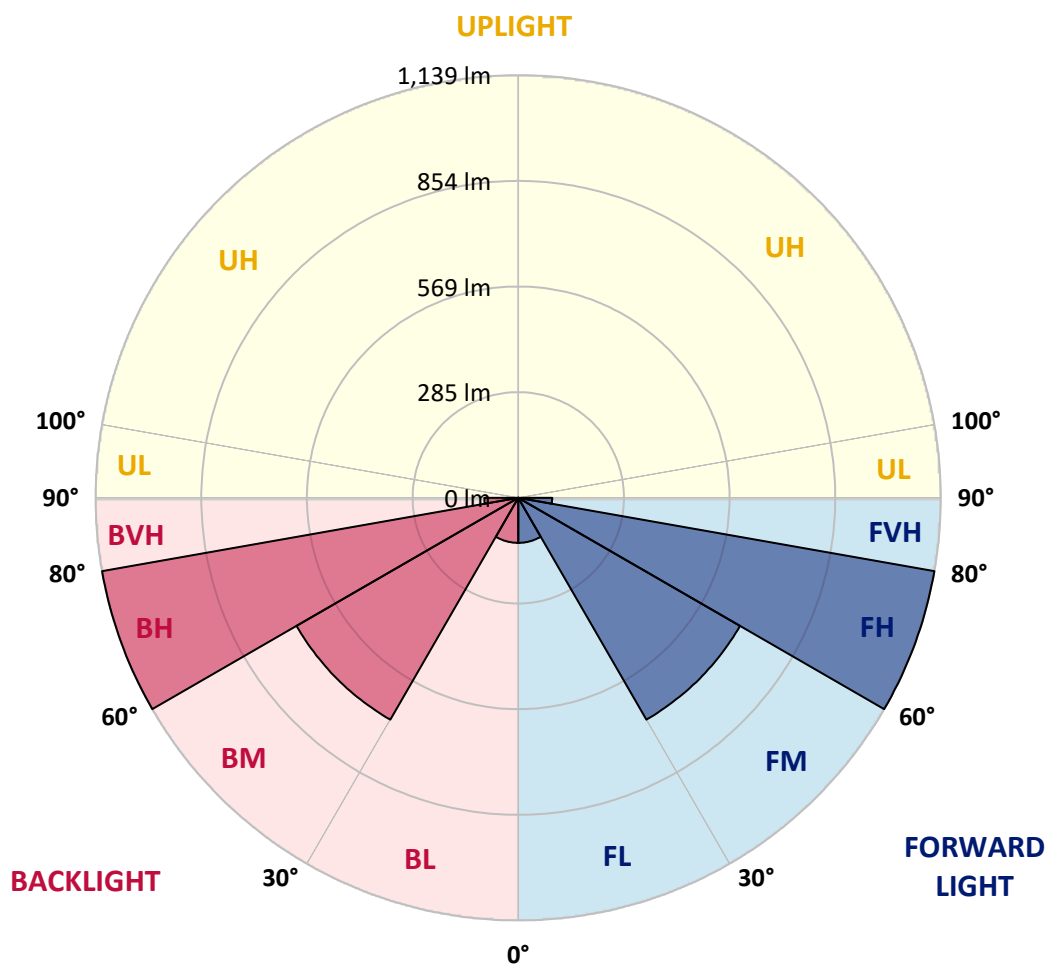
REPORT NUMBER: P507478
 CATALOG NUMBER: VERD-S-CA1-30-722-U-T5

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	121.4	3.0			
FM (30°-60°)	690.1	16.9			
FH (60°-80°)	1138.8	27.9			G1/1800
FVH (80°-90°)	91.4	2.2			G1/100
BL (0°-30°)	121.4	3.0	B1/500		
BM (30°-60°)	690.1	16.9	B1/1000		
BH (60°-80°)	1138.8	27.9	B3/2500		G1/1800
BVH (80°-90°)	91.4	2.2			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G1

Type V Short





REPORT NUMBER: P507478
 CATALOG NUMBER: VERD-S-CA1-30-722-U-T5

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	235.4	235.4	235.4	235.4	235.4	235.4	235.4	235.4	235.4	235.4	235.4
2.5°	235.4	235.4	235.4	235.4	235.4	235.4	235.4	236.4	236.4	236.4	236.4
5°	237.6	237.6	236.4	236.4	236.4	237.6	237.6	237.6	237.6	238.7	238.7
7.5°	238.7	238.7	238.7	238.7	238.7	238.7	238.7	238.7	239.8	239.8	239.8
10°	243.1	243.1	243.1	243.1	243.1	243.1	243.1	243.1	243.1	243.1	243.1
12.5°	247.5	247.5	248.6	248.6	249.8	249.8	248.6	248.6	247.5	246.5	246.5
15°	255.3	255.3	256.4	257.5	259.7	259.7	258.7	257.5	255.3	254.2	254.2
17.5°	263.0	263.0	264.2	266.4	269.7	270.7	268.6	266.4	264.2	263.0	263.0
20°	274.1	275.2	276.3	278.4	284.0	286.3	282.9	278.4	277.4	277.4	277.4
22.5°	290.6	290.6	290.6	294.0	298.4	301.7	297.3	295.1	292.8	292.8	292.8
25°	308.4	308.4	308.4	309.4	316.1	319.4	314.9	311.7	310.5	311.7	311.7
27.5°	328.3	328.3	328.3	328.3	333.8	339.3	333.8	330.5	331.5	331.5	331.5
30°	349.2	349.2	350.4	350.4	352.5	359.2	353.7	352.5	353.7	354.7	354.7
32.5°	373.5	374.6	373.5	373.5	375.8	380.2	376.8	376.8	379.0	381.3	381.3
35°	398.9	398.9	398.9	398.9	400.1	404.4	402.2	402.2	405.6	408.9	408.9
37.5°	426.5	427.7	424.3	423.3	425.5	427.7	426.5	428.8	434.4	438.7	439.9
40°	456.4	456.4	453.1	449.8	449.8	450.9	453.1	457.5	465.3	470.8	471.9
42.5°	494.0	497.3	491.8	487.4	485.2	487.4	489.6	497.3	505.0	509.5	509.5
45°	543.8	544.8	538.3	530.4	524.9	522.7	526.1	533.8	542.6	551.5	551.5
47.5°	604.5	602.3	588.0	564.7	548.1	543.8	549.3	566.9	588.0	601.2	603.4
50°	680.8	678.5	656.4	622.2	592.3	585.8	589.0	615.6	646.5	666.4	669.8
52.5°	771.4	765.8	741.6	696.2	650.9	635.5	643.2	678.5	718.3	743.7	747.1
55°	864.2	860.9	835.5	784.6	727.2	698.4	708.4	755.9	805.7	832.1	834.4
57.5°	954.9	955.9	932.8	886.3	818.9	776.9	790.2	846.5	902.9	929.5	929.5
60°	1041.1	1039.9	1023.3	986.9	935.0	886.3	902.9	949.4	999.1	1023.3	1025.5
62.5°	1123.9	1122.9	1117.3	1094.1	1064.3	1028.9	1030.0	1061.0	1100.7	1118.4	1121.7
65°	1231.1	1229.0	1221.1	1206.9	1211.2	1209.1	1172.6	1180.3	1217.9	1237.7	1238.9
67.5°	1238.9	1252.1	1277.5	1320.7	1382.6	1391.4	1344.9	1275.3	1256.6	1245.5	1244.4
70°	1147.1	1175.9	1229.0	1319.5	1487.5	1562.6	1422.4	1257.6	1198.0	1170.4	1169.2
72.5°	985.8	1045.4	1115.0	1259.9	1494.2	1542.7	1430.1	1192.5	1096.3	1051.0	1044.4
75°	763.7	821.1	937.2	1136.1	1405.7	1454.4	1343.9	1069.8	946.0	901.8	888.5
77.5°	469.7	538.3	660.9	888.5	1163.7	1213.4	1125.1	853.2	720.5	650.9	654.2
80°	228.7	296.2	398.9	600.0	836.6	909.5	773.5	550.3	438.7	390.2	385.7
82.5°	99.4	134.9	192.3	300.7	475.2	508.3	393.4	271.9	216.7	193.4	191.2
85°	14.4	19.9	49.7	89.5	143.7	161.3	92.9	56.4	43.1	38.7	35.3
87.5°	9.9	9.9	9.9	11.0	13.2	14.4	12.2	11.0	9.9	9.9	9.9
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)