

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: P507446

Luminaire Tested: **VERD-S-CA1-20-730-U-T5**

Issue Date: 3/30/2021

Test Information

Test Method: LM-79-08
Report Number: P507446
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-CA1-20-730-U-T5
Description: VERDEON-S ROADWAY AND AREA LUMINAIRE
(1) 70 CRI, 3000K, 430mA LED AND TYPE V OPTIC
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3628 lumens
Efficiency: N/A
Efficacy: 155.0 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

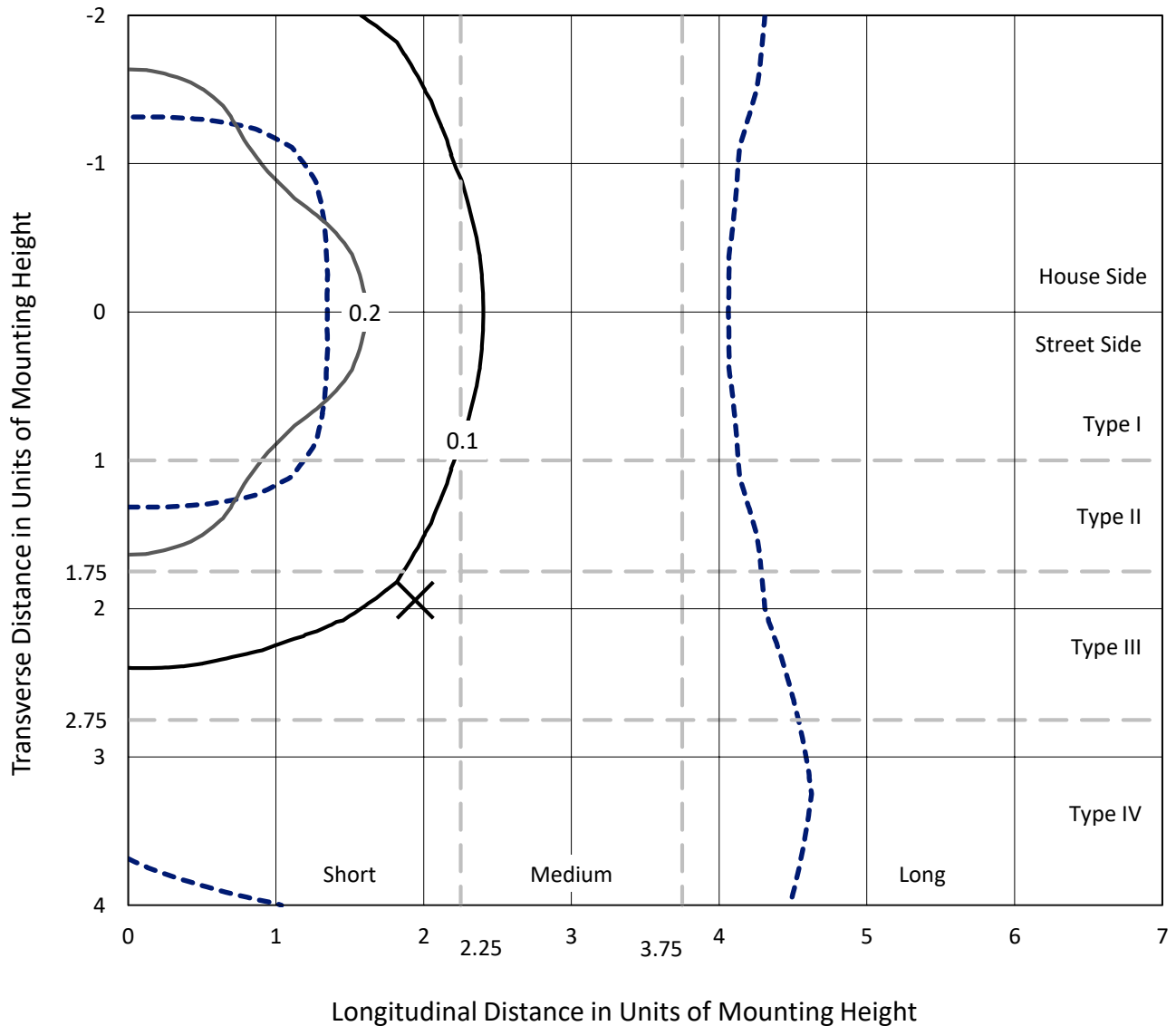
Input Watts (W): 23.4
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P507446
 CATALOG NUMBER: VERD-S-CA1-20-730-U-T5

Iso-Footcandle Lines of Horizontal Illumination

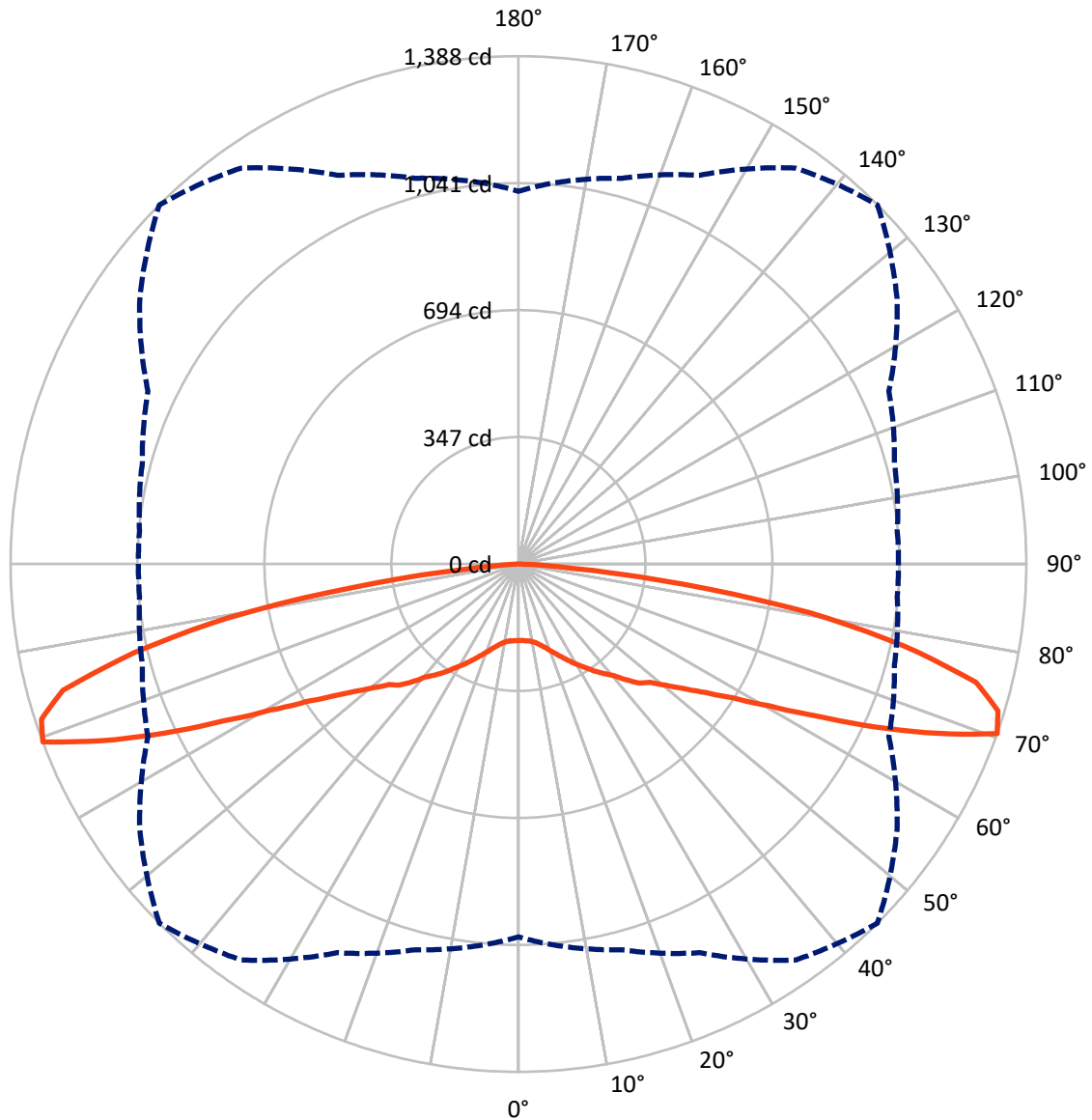
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 0.3 fc
 Type V - Short - N/A

REPORT NUMBER: P507446
CATALOG NUMBER: VERD-S-CA1-20-730-U-T5

Luminous Intensity Polar Plot



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

REPORT NUMBER: P507446

CATALOG NUMBER: VERD-S-CA1-20-730-U-T5

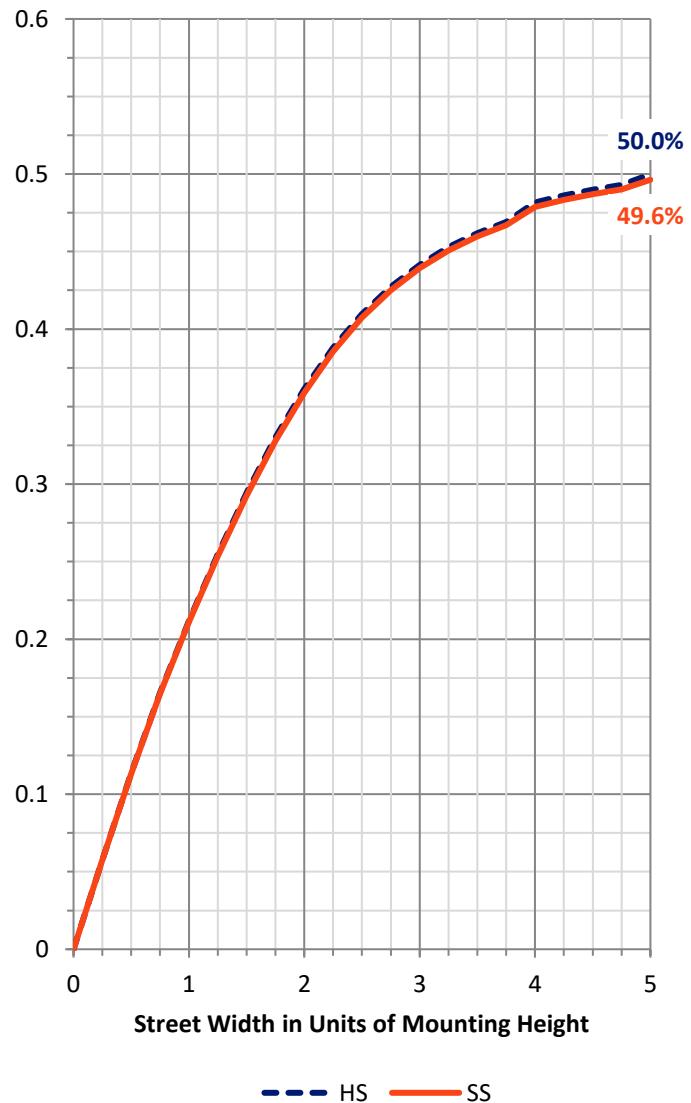
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1814.0	0.0	1814.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	1814.0	0.0	1814.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	3628.0	0.0	3628.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	20.3	0.6
10°-20°	65.5	1.8
20°-30°	129.9	3.6
30°-40°	226.1	6.2
40°-50°	370.4	10.2
50°-60°	629.8	17.4
60°-70°	1046.9	28.9
70°-80°	976.6	26.9
80°-90°	162.5	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°	3628.0	100.0
0°-180°	3628.0	100.0



REPORT NUMBER: P507446

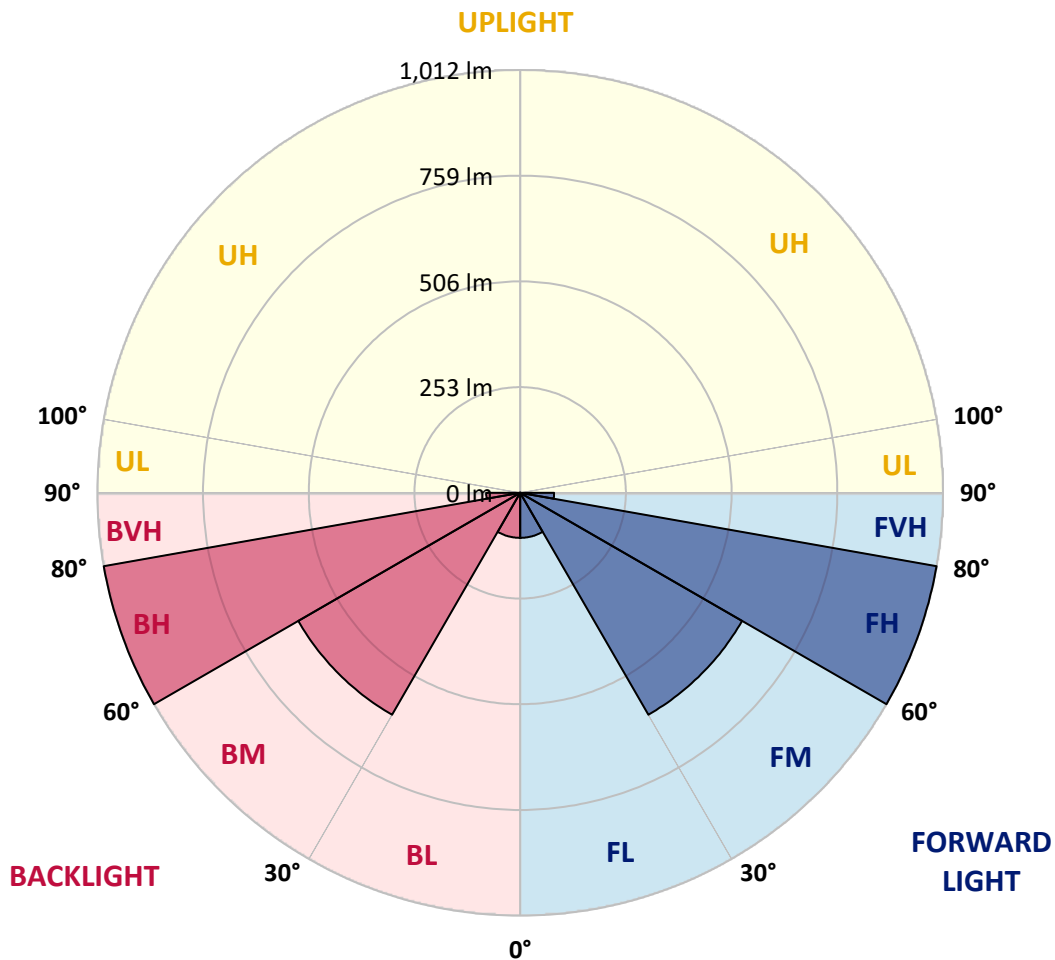
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	107.8	3.0			
FM (30°-60°)	613.1	16.9			
FH (60°-80°)	1011.8	27.9			G1/1800
FVH (80°-90°)	81.2	2.2			G1/100
BL (0°-30°)	107.8	3.0	B0/110		
BM (30°-60°)	613.1	16.9	B1/1000		
BH (60°-80°)	1011.8	27.9	B3/2500		G1/1800
BVH (80°-90°)	81.2	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





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	209.1	209.1	209.1	209.1	209.1	209.1	209.1	209.1	209.1	209.1	209.1
2.5°	209.1	209.1	209.1	209.1	209.1	209.1	209.1	210.1	210.1	210.1	210.1
5°	211.1	211.1	210.1	210.1	210.1	211.1	211.1	211.1	211.1	212.1	212.1
7.5°	212.1	212.1	212.1	212.1	212.1	212.1	212.1	212.1	213.1	213.1	213.1
10°	216.0	216.0	216.0	216.0	216.0	216.0	216.0	216.0	216.0	216.0	216.0
12.5°	219.9	219.9	220.9	220.9	221.9	221.9	220.9	220.9	219.9	219.0	219.0
15°	226.8	226.8	227.8	228.8	230.7	230.7	229.8	228.8	226.8	225.8	225.8
17.5°	233.7	233.7	234.7	236.6	239.6	240.6	238.6	236.6	234.7	233.7	233.7
20°	243.5	244.5	245.5	247.4	252.3	254.3	251.4	247.4	246.4	246.4	246.4
22.5°	258.2	258.2	258.2	261.2	265.1	268.1	264.1	262.2	260.2	260.2	260.2
25°	273.9	273.9	273.9	274.9	280.8	283.8	279.8	276.9	275.9	276.9	276.9
27.5°	291.6	291.6	291.6	291.6	296.5	301.4	296.5	293.6	294.6	294.6	294.6
30°	310.3	310.3	311.3	311.3	313.2	319.1	314.2	313.2	314.2	315.2	315.2
32.5°	331.9	332.9	331.9	331.9	333.8	337.8	334.8	334.8	336.8	338.7	338.7
35°	354.5	354.5	354.5	354.5	355.4	359.4	357.4	357.4	360.3	363.3	363.3
37.5°	379.0	380.0	377.0	376.1	378.0	380.0	379.0	381.0	385.9	389.8	390.8
40°	405.5	405.5	402.6	399.6	399.6	400.6	402.6	406.5	413.4	418.3	419.3
42.5°	438.9	441.8	436.9	433.0	431.0	433.0	435.0	441.8	448.7	452.6	452.6
45°	483.1	484.1	478.2	471.3	466.4	464.4	467.4	474.2	482.1	490.0	490.0
47.5°	537.1	535.1	522.4	501.7	487.0	483.1	488.0	503.7	522.4	534.1	536.1
50°	604.8	602.9	583.2	552.8	526.3	520.4	523.3	546.9	574.4	592.1	595.0
52.5°	685.3	680.4	658.8	618.6	578.3	564.6	571.4	602.9	638.2	660.8	663.7
55°	767.8	764.9	742.3	697.1	646.1	620.5	629.4	671.6	715.8	739.3	741.3
57.5°	848.3	849.3	828.7	787.5	727.6	690.3	702.0	752.1	802.2	825.8	825.8
60°	924.9	923.9	909.2	876.8	830.7	787.5	802.2	843.4	887.6	909.2	911.2
62.5°	998.6	997.6	992.7	972.1	945.5	914.1	915.1	942.6	977.9	993.7	996.6
65°	1093.8	1091.8	1085.0	1072.2	1076.1	1074.2	1041.8	1048.6	1082.0	1099.7	1100.7
67.5°	1100.7	1112.5	1135.0	1173.3	1228.3	1236.2	1194.9	1133.1	1116.4	1106.6	1105.6
70°	1019.2	1044.7	1091.8	1172.4	1321.6	1388.4	1263.7	1117.4	1064.3	1039.8	1038.8
72.5°	875.8	928.9	990.7	1119.3	1327.5	1370.7	1270.5	1059.4	974.0	933.8	927.9
75°	678.5	729.5	832.6	1009.4	1248.9	1292.1	1194.0	950.5	840.5	801.2	789.4
77.5°	417.3	478.2	587.2	789.4	1033.9	1078.1	999.5	758.0	640.2	578.3	581.3
80°	203.2	263.1	354.5	533.2	743.3	808.1	687.3	489.0	389.8	346.6	342.7
82.5°	88.4	119.8	170.8	267.1	422.2	451.7	349.5	241.5	192.4	171.8	169.9
85°	12.8	17.7	44.2	79.5	127.6	143.4	82.5	50.1	38.3	34.4	31.4
87.5°	8.8	8.8	8.8	9.8	11.8	12.8	10.8	9.8	8.8	8.8	8.8
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)