

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: P507567

Luminaire Tested: **VERD-S-CA1-50-722-U-T1**

Issue Date: 3/30/2021

Test Information

Test Method: LM-79-08
Report Number: P507567
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2103-168-1)
Test Lab: INNOVATION CENTER
Issue Date: 3/30/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: VERD-S-CA1-50-722-U-T1
Description: VERDEON-S ROADWAY AND AREA LUMINAIRE
(1) 70 CRI, 2200K, 940mA LED AND TYPE I OPTIC
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6281 lumens
Efficiency: N/A
Efficacy: 117.4 lumens/watt
Luminous Opening: Rectangular (W 0.83' x L: 0.83' x H: 0')
IES Classification: Type I - Short
BUG Rating: B3 - U0 - G3

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

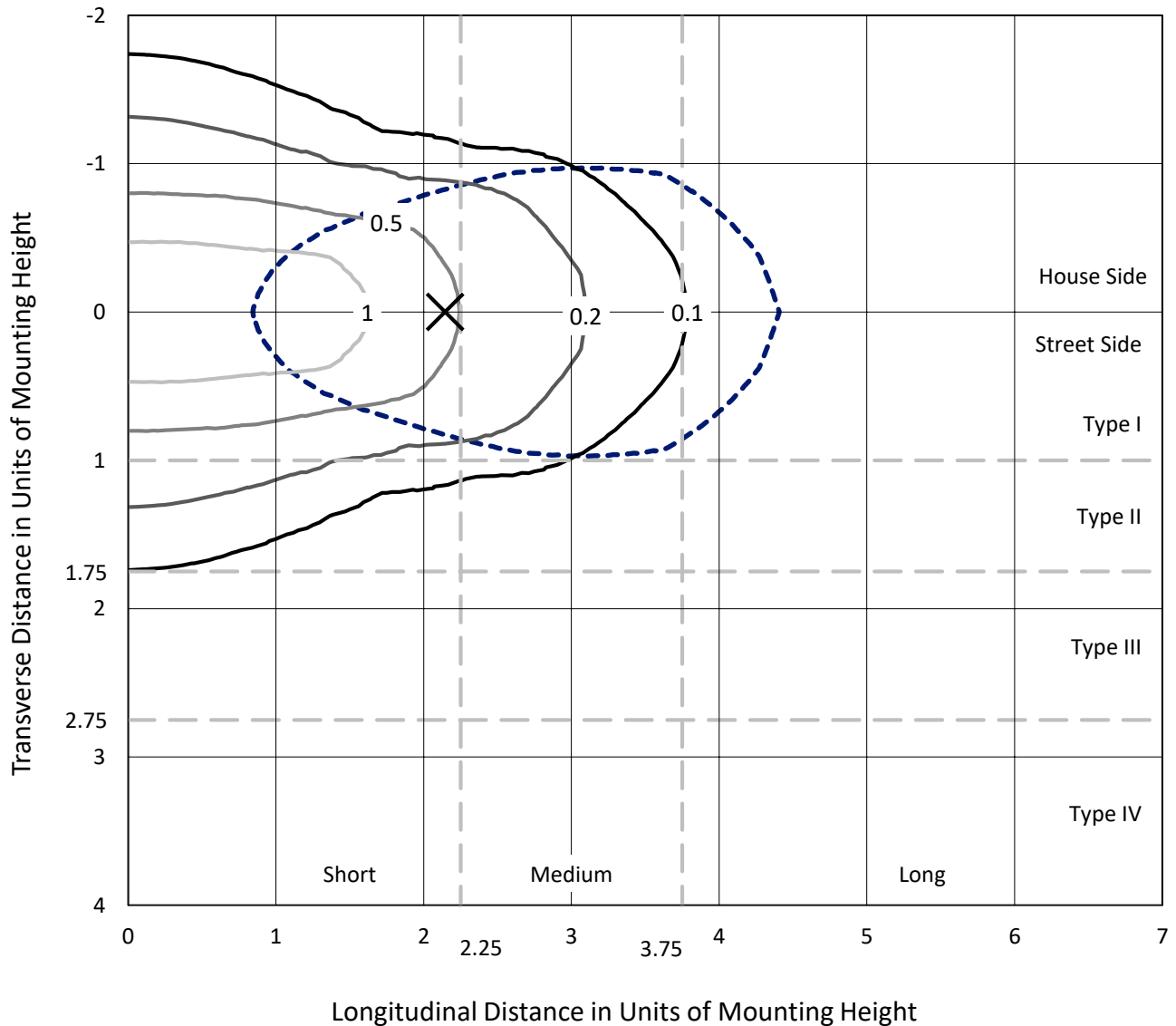


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Iso-Footcandle Lines of Horizontal Illumination

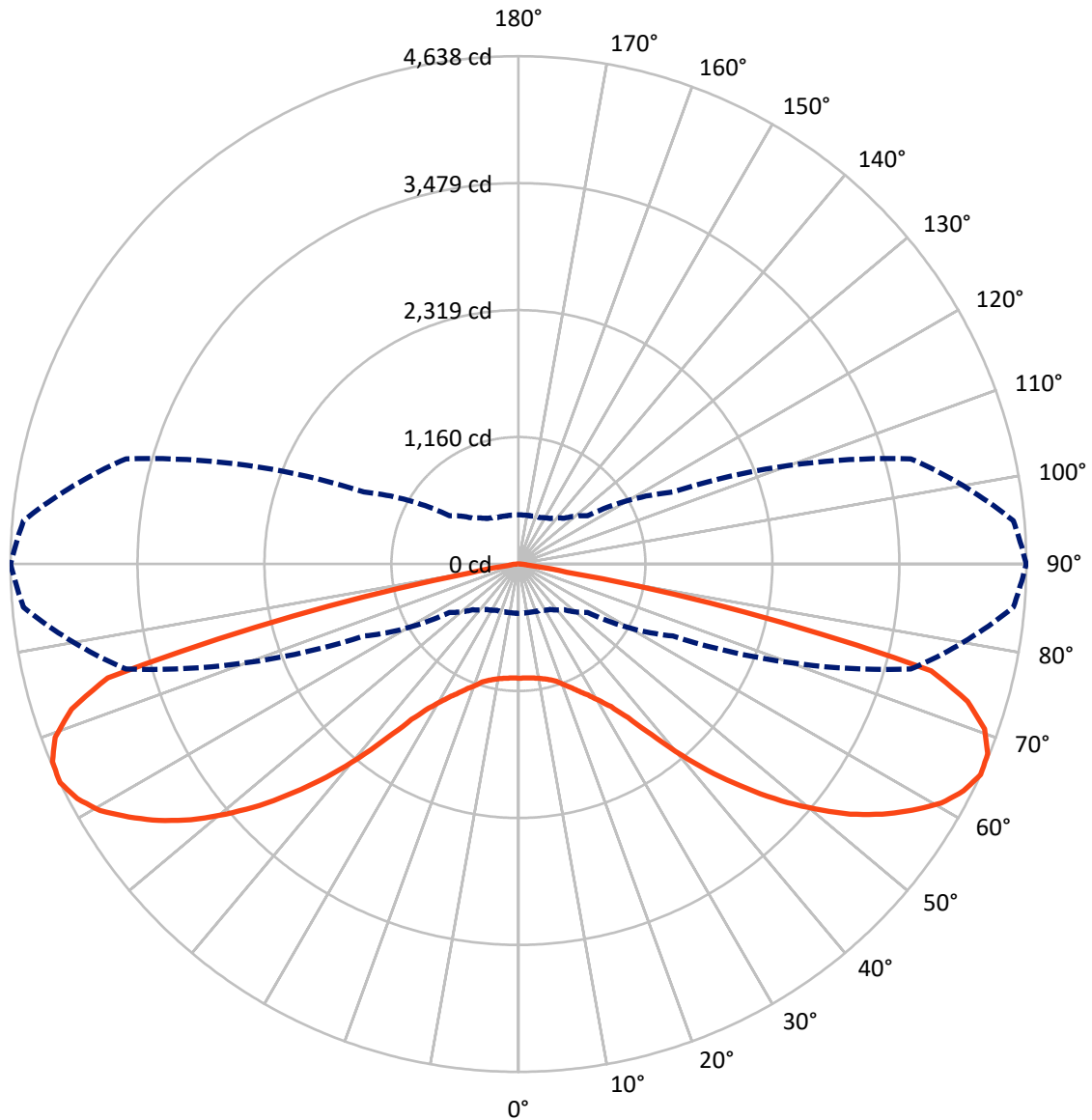
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.7 fc
 Type I - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 90-Deg Lateral - - - Horizontal Cone Through 65-Deg Vertical

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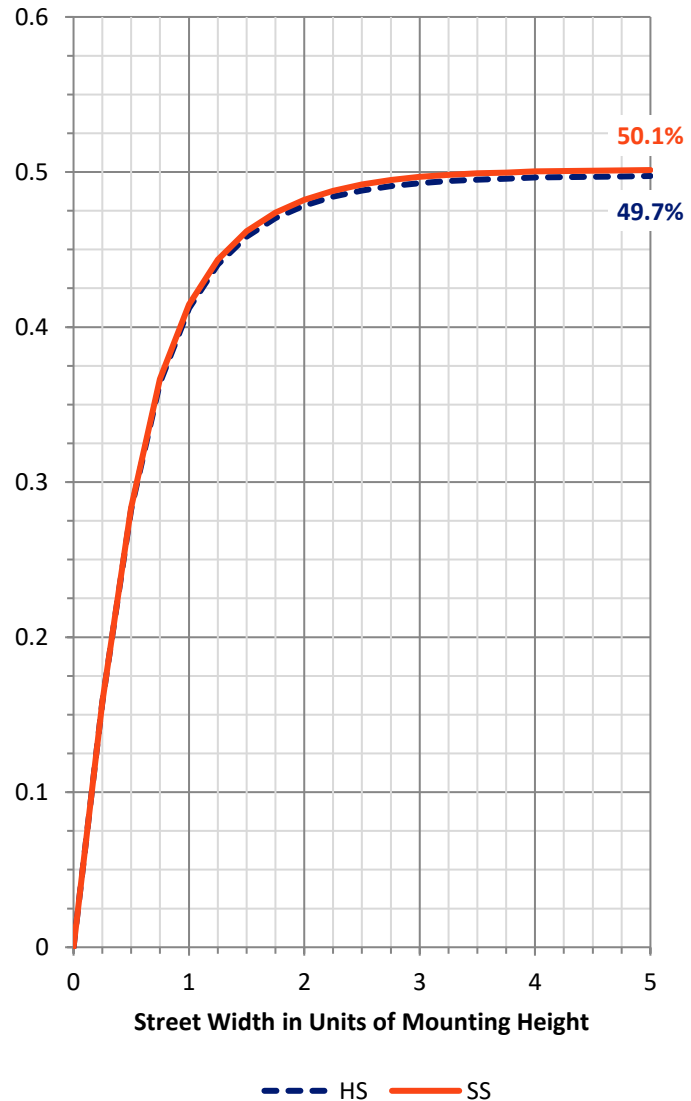
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3140.5	0.0	3140.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	3140.5	0.0	3140.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	6281.0	0.0	6281.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	99.8	1.6
10°-20°	297.9	4.7
20°-30°	493.3	7.9
30°-40°	714.1	11.4
40°-50°	1033.6	16.5
50°-60°	1345.4	21.4
60°-70°	1421.0	22.6
70°-80°	836.4	13.3
80°-90°	39.5	0.6
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°	6281.0	100.0
0°-180°	6281.0	100.0

Coefficient of Utilization



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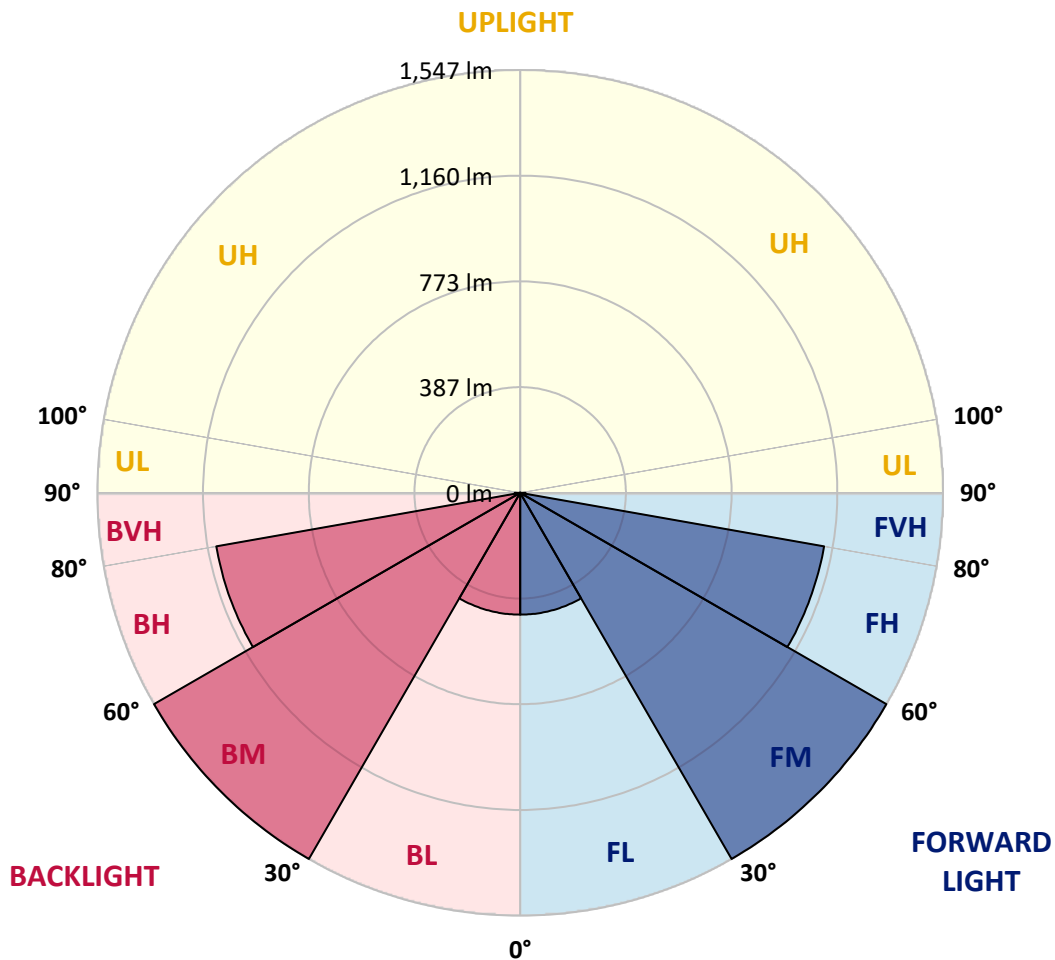
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	445.5	7.1			
FM	(30°-60°)	1546.5	24.6			
FH	(60°-80°)	1128.7	18.0			G1/1800
FVH	(80°-90°)	19.7	0.3			G1/100
BL	(0°-30°)	445.5	7.1	B1/500		
BM	(30°-60°)	1546.5	24.6	B2/2500		
BH	(60°-80°)	1128.7	18.0	B3/2500		G3/2500
BVH	(80°-90°)	19.7	0.3			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G3

Type I Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	1043.1	1043.1	1043.1	1043.1	1043.1	1043.1	1043.1	1043.1	1043.1	1043.1	1043.1
2.5°	1046.5	1046.5	1048.2	1046.5	1046.5	1046.5	1046.5	1044.8	1043.1	1041.4	1041.4
5°	1044.8	1044.8	1044.8	1046.5	1046.5	1048.2	1048.2	1046.5	1046.5	1046.5	1044.8
7.5°	1038.0	1039.7	1039.7	1041.4	1043.1	1046.5	1048.2	1049.9	1051.6	1051.6	1051.6
10°	1029.4	1029.4	1031.1	1034.6	1039.7	1043.1	1051.6	1056.8	1060.2	1061.9	1061.9
12.5°	1015.8	1015.8	1019.2	1026.0	1036.3	1046.5	1056.8	1067.0	1073.8	1077.2	1077.2
15°	998.7	998.7	1003.8	1014.1	1032.9	1051.6	1068.7	1084.1	1094.3	1099.4	1097.7
17.5°	973.1	973.1	979.9	998.7	1027.7	1058.5	1087.5	1106.3	1121.6	1126.7	1126.7
20°	939.0	939.0	950.9	976.5	1017.5	1063.6	1104.6	1133.6	1155.8	1171.1	1174.6
22.5°	896.3	896.3	915.1	950.9	1000.4	1060.2	1116.5	1166.0	1205.3	1222.4	1224.1
25°	846.8	850.2	875.8	921.9	985.1	1058.5	1135.3	1203.6	1254.8	1282.1	1287.2
27.5°	800.7	804.1	836.5	894.6	969.7	1060.2	1152.4	1244.5	1318.0	1350.4	1355.5
30°	758.0	761.4	795.6	863.8	957.7	1061.9	1172.8	1285.5	1382.8	1434.0	1444.3
32.5°	720.4	723.9	758.0	831.4	940.7	1063.6	1198.5	1340.1	1466.5	1543.3	1551.8
35°	688.0	691.4	727.3	797.3	918.5	1067.0	1229.2	1405.0	1577.4	1702.1	1722.6
37.5°	660.7	664.1	694.8	764.8	892.9	1067.0	1261.6	1480.1	1722.6	1939.4	1976.9
40°	640.2	643.6	667.5	732.4	862.1	1060.2	1290.6	1562.1	1895.0	2236.4	2297.9
42.5°	621.4	626.5	647.0	703.4	829.7	1046.5	1321.4	1644.0	2098.1	2545.4	2618.8
45°	602.6	607.8	630.0	681.2	795.6	1026.0	1340.1	1724.3	2326.9	2859.6	2922.7
47.5°	590.7	590.7	609.5	657.3	763.1	990.2	1345.3	1799.4	2562.5	3160.0	3233.4
50°	578.7	578.7	594.1	635.1	729.0	944.1	1326.5	1871.1	2808.3	3445.1	3516.8
52.5°	563.4	561.7	577.0	614.6	696.5	886.0	1282.1	1918.9	3059.3	3714.9	3795.1
55°	544.6	544.6	556.5	590.7	665.8	828.0	1201.9	1941.1	3291.5	3948.7	4034.1
57.5°	524.1	522.4	534.4	561.7	631.7	771.7	1094.3	1925.7	3481.0	4170.7	4242.4
60°	505.3	503.6	512.2	536.1	592.4	717.0	985.1	1842.1	3632.9	4353.3	4435.3
62.5°	481.4	481.4	488.3	507.0	554.8	655.6	875.8	1712.3	3708.0	4476.3	4563.3
65°	450.7	449.0	454.1	467.8	507.0	590.7	769.9	1557.0	3709.7	4537.7	4638.4
67.5°	394.4	408.0	413.1	421.7	454.1	524.1	669.2	1418.7	3576.6	4525.8	4623.1
70°	319.2	363.6	363.6	368.8	392.7	449.0	575.3	1302.6	3281.2	4411.4	4515.5
72.5°	221.9	261.2	293.6	305.6	326.1	365.3	484.8	1162.6	2772.5	4150.2	4290.2
75°	81.9	76.8	111.0	186.1	206.6	240.7	355.1	957.7	2241.5	3653.4	3892.4
77.5°	23.9	25.6	35.9	95.6	109.3	117.8	192.9	478.0	1038.0	1869.4	2115.2
80°	20.5	20.5	25.6	30.7	35.9	58.0	63.2	177.5	341.4	447.3	449.0
82.5°	15.4	15.4	18.8	22.2	27.3	34.1	37.6	61.5	87.1	90.5	90.5
85°	10.2	10.2	12.0	13.7	17.1	20.5	22.2	25.6	32.4	54.6	58.0
87.5°	5.1	5.1	6.8	6.8	8.5	8.5	10.2	15.4	17.1	25.6	25.6
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)