

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: P507734

Luminaire Tested: **VERD-S-CA1-80-730-U-T5**

Issue Date: 3/30/2021

Test Information

Test Method: LM-79-08
Report Number: P507734
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-CA1-80-730-U-T5
Description: VERDEON-S ROADWAY AND AREA LUMINAIRE
(1) 70 CRI, 3000K, 1500mA LED AND TYPE V OPTIC
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 11124 lumens
Efficiency: N/A
Efficacy: 133.9 lumens/watt
Luminous Opening: Rectangular (W 0.83' x L: 0.83' x H: 0')
IES Classification: Type V - Short
BUG Rating: B4 - U0 - G3

Input Watts (W): 83.1
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

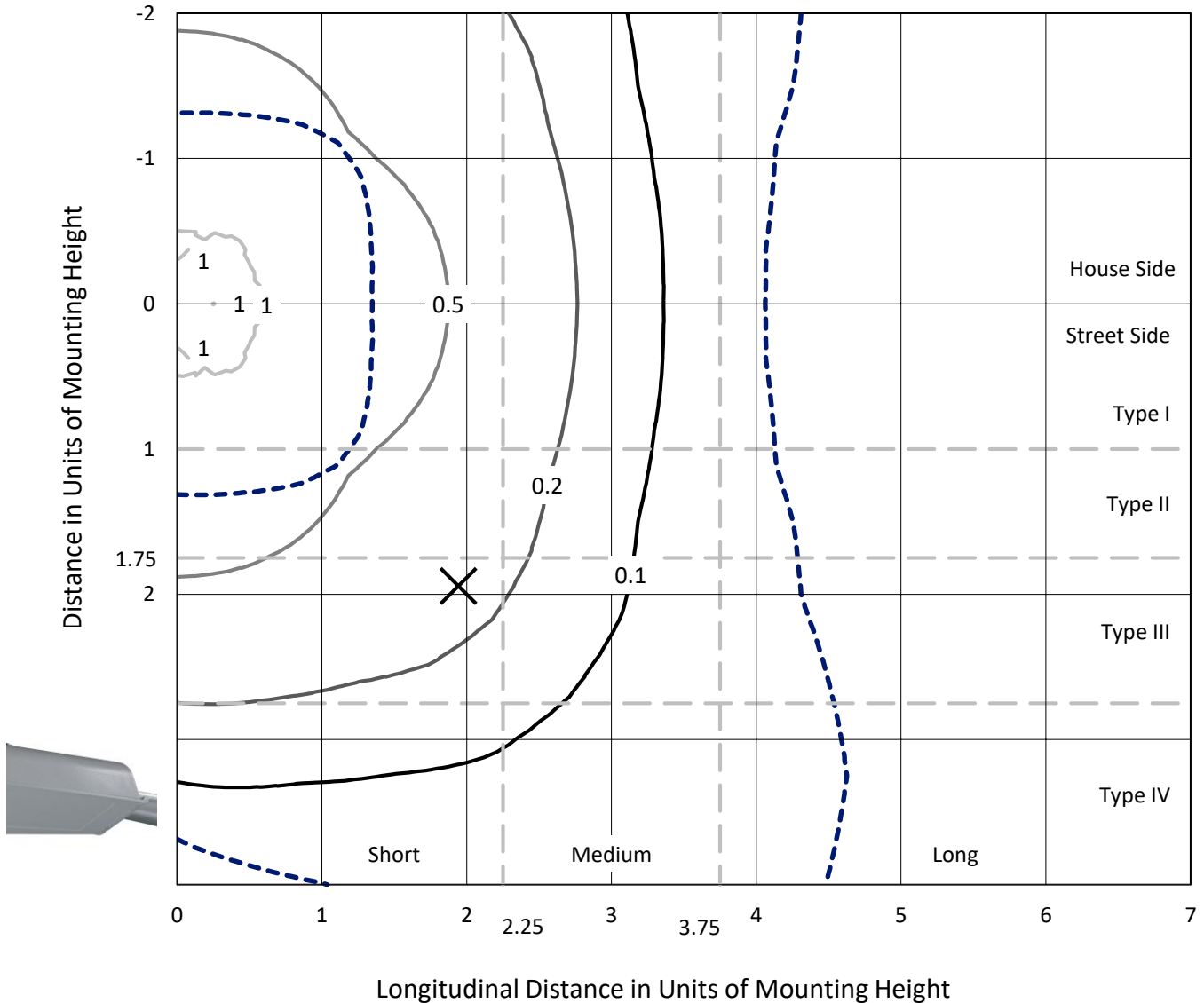


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Iso-Footcandle Lines of Horizontal Illumination

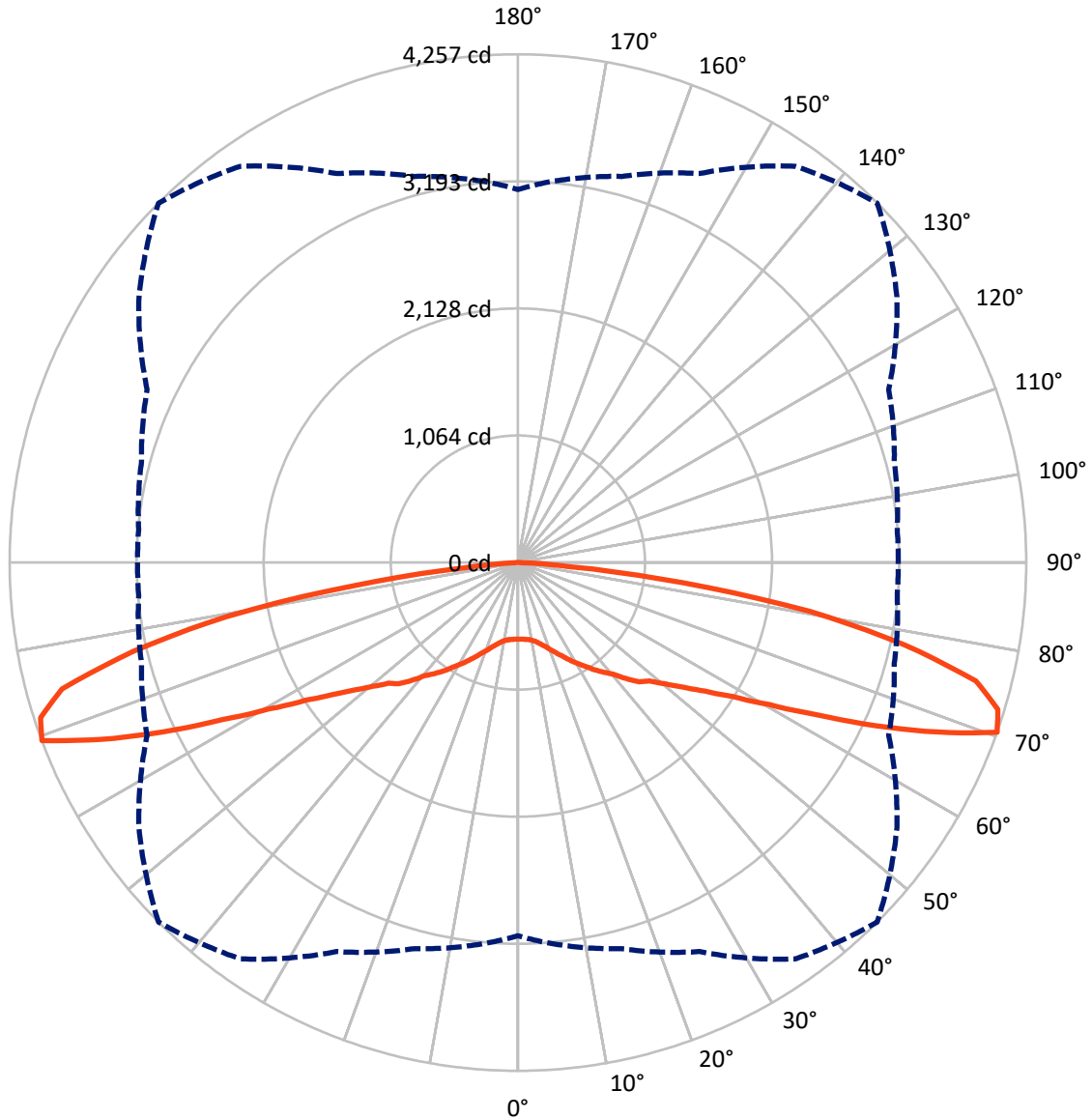
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



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

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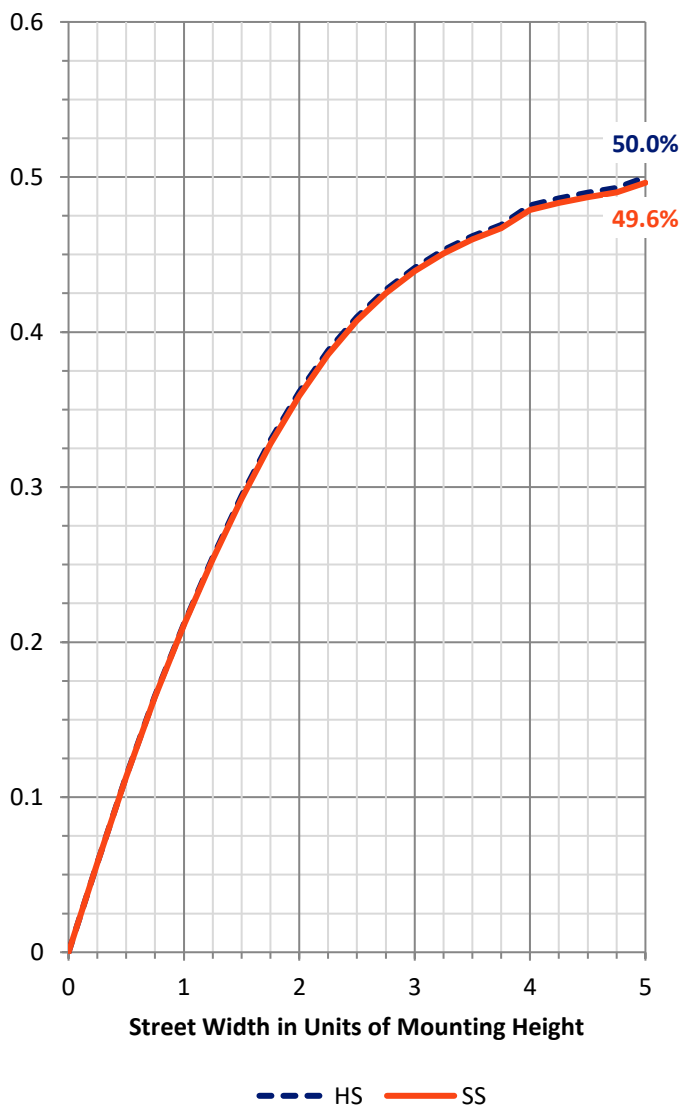
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	5562.0	0.0	5562.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	5562.0	0.0	5562.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	11124.0	0.0	11124.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	62.1	0.6
10°-20°	200.9	1.8
20°-30°	398.3	3.6
30°-40°	693.2	6.2
40°-50°	1135.7	10.2
50°-60°	1931.1	17.4
60°-70°	3210.1	28.9
70°-80°	2994.5	26.9
80°-90°	498.1	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°	11124.0	100.0
0°-180°	11124.0	100.0

Coefficient of Utilization



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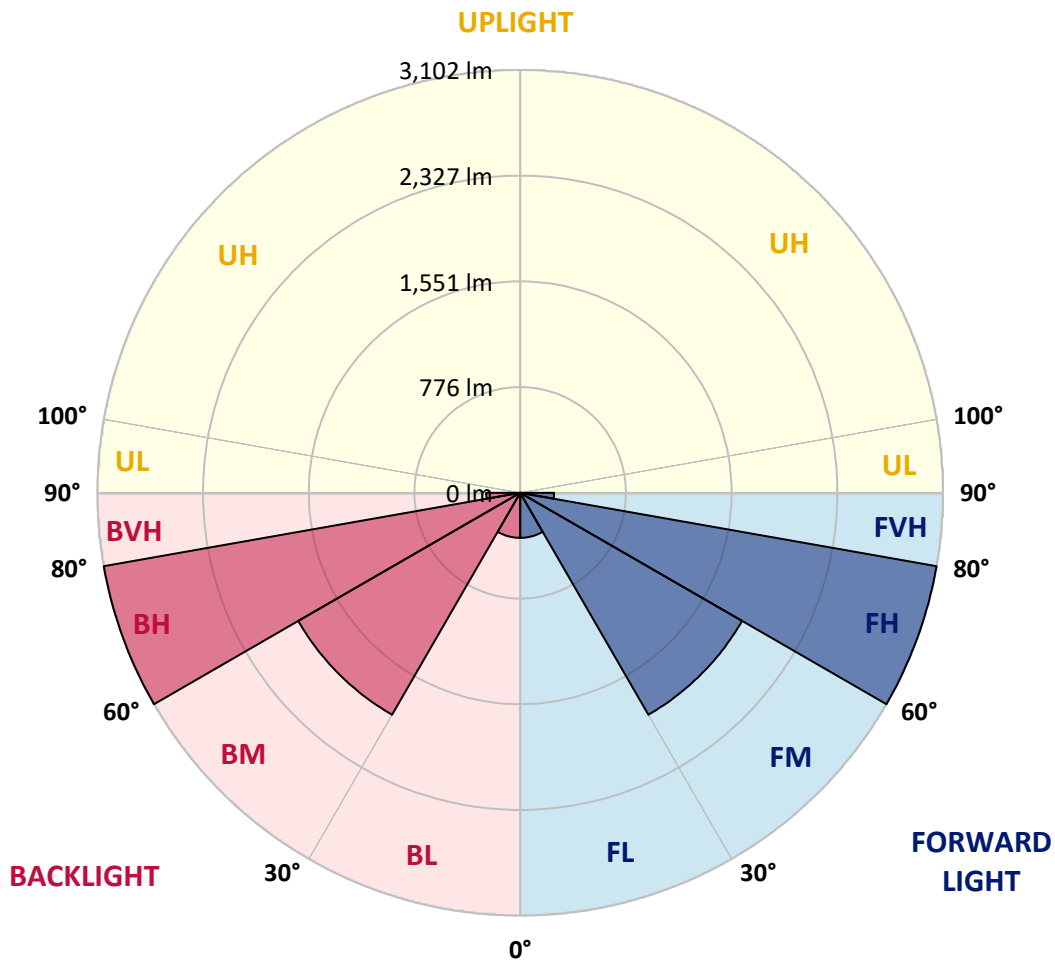
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	330.7	3.0			
FM	(30°-60°)	1880.0	16.9			
FH	(60°-80°)	3102.3	27.9			G2/5000
FVH	(80°-90°)	249.1	2.2			G3/500
BL	(0°-30°)	330.7	3.0	B1/500		
BM	(30°-60°)	1880.0	16.9	B2/2500		
BH	(60°-80°)	3102.3	27.9	B4/5000		G2/5000
BVH	(80°-90°)	249.1	2.2			G3/500
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B4-U0-G3

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	641.3	641.3	641.3	641.3	641.3	641.3	641.3	641.3	641.3	641.3	641.3
2.5°	641.3	641.3	641.3	641.3	641.3	641.3	641.3	644.3	644.3	644.3	644.3
5°	647.3	647.3	644.3	644.3	644.3	647.3	647.3	647.3	647.3	650.3	650.3
7.5°	650.3	650.3	650.3	650.3	650.3	650.3	650.3	650.3	653.3	653.3	653.3
10°	662.3	662.3	662.3	662.3	662.3	662.3	662.3	662.3	662.3	662.3	662.3
12.5°	674.4	674.4	677.4	677.4	680.4	680.4	677.4	677.4	674.4	671.4	671.4
15°	695.4	695.4	698.5	701.5	707.5	707.5	704.5	701.5	695.4	692.4	692.4
17.5°	716.5	716.5	719.5	725.5	734.6	737.6	731.6	725.5	719.5	716.5	716.5
20°	746.6	749.6	752.6	758.7	773.7	779.7	770.7	758.7	755.7	755.7	755.7
22.5°	791.8	791.8	791.8	800.8	812.9	821.9	809.8	803.8	797.8	797.8	797.8
25°	839.9	839.9	839.9	843.0	861.0	870.1	858.0	849.0	846.0	849.0	849.0
27.5°	894.1	894.1	894.1	894.1	909.2	924.2	909.2	900.2	903.2	903.2	903.2
30°	951.3	951.3	954.3	954.3	960.4	978.4	963.4	960.4	963.4	966.4	966.4
32.5°	1017.6	1020.6	1017.6	1017.6	1023.6	1035.6	1026.6	1026.6	1032.6	1038.6	1038.6
35°	1086.8	1086.8	1086.8	1086.8	1089.8	1101.9	1095.8	1095.8	1104.9	1113.9	1113.9
37.5°	1162.1	1165.1	1156.1	1153.0	1159.1	1165.1	1162.1	1168.1	1183.2	1195.2	1198.2
40°	1243.4	1243.4	1234.3	1225.3	1225.3	1228.3	1234.3	1246.4	1267.4	1282.5	1285.5
42.5°	1345.7	1354.8	1339.7	1327.7	1321.6	1327.7	1333.7	1354.8	1375.8	1387.9	1387.9
45°	1481.2	1484.2	1466.1	1445.1	1430.0	1424.0	1433.0	1454.1	1478.2	1502.3	1502.3
47.5°	1646.8	1640.8	1601.6	1538.4	1493.2	1481.2	1496.3	1544.4	1601.6	1637.7	1643.8
50°	1854.5	1848.5	1788.3	1694.9	1613.7	1595.6	1604.6	1676.9	1761.2	1815.4	1824.4
52.5°	2101.4	2086.3	2020.1	1896.7	1773.2	1731.1	1752.1	1848.5	1956.9	2026.1	2035.1
55°	2354.3	2345.2	2276.0	2137.5	1981.0	1902.7	1929.8	2059.2	2194.7	2267.0	2273.0
57.5°	2601.1	2604.1	2540.9	2414.5	2230.8	2116.4	2152.6	2306.1	2459.6	2531.9	2531.9
60°	2836.0	2832.9	2787.8	2688.4	2546.9	2414.5	2459.6	2586.1	2721.6	2787.8	2793.8
62.5°	3061.7	3058.7	3043.7	2980.5	2899.2	2802.8	2805.8	2890.1	2998.5	3046.7	3055.7
65°	3353.8	3347.7	3326.7	3287.5	3299.6	3293.6	3194.2	3215.3	3317.6	3371.8	3374.8
67.5°	3374.8	3411.0	3480.2	3597.6	3766.2	3790.3	3663.9	3474.2	3423.0	3392.9	3389.9
70°	3125.0	3203.2	3347.7	3594.6	4052.2	4256.9	3874.6	3426.0	3263.5	3188.2	3185.2
72.5°	2685.4	2848.0	3037.7	3432.0	4070.3	4202.8	3895.7	3248.4	2986.5	2863.0	2845.0
75°	2080.3	2236.9	2553.0	3094.9	3829.4	3961.9	3660.8	2914.2	2577.0	2456.6	2420.5
77.5°	1279.5	1466.1	1800.3	2420.5	3170.1	3305.6	3064.8	2324.2	1962.9	1773.2	1782.3
80°	623.2	806.8	1086.8	1634.7	2279.0	2477.7	2107.4	1499.3	1195.2	1062.7	1050.7
82.5°	271.0	367.3	523.8	818.9	1294.5	1384.9	1071.8	740.6	590.1	526.8	520.8
85°	39.1	54.2	135.5	243.9	391.4	439.5	252.9	153.5	117.4	105.4	96.3
87.5°	27.1	27.1	27.1	30.1	36.1	39.1	33.1	30.1	27.1	27.1	27.1
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)