

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: P509266

Luminaire Tested: **VERD-CA2-60-730-U-T5**

Issue Date: 3/4/2021

Test Information

Test Method: LM-79-08
Report Number: P509266
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2102-139-8)
Test Lab: INNOVATION CENTER
Issue Date: 3/4/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: VERD-CA2-60-730-U-T5
Description: VERDEON ROADWAY AND AREA LUMINAIRE
(2) 70 CRI, 3000K, 850mA LEDS AND TYPE V OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 9345 lumens
Efficiency: N/A
Efficacy: 147.4 lumens/watt
Luminous Opening: Rectangular (W 0.79' x L: 1.25' x H: 0')
IES Classification: Type V - Short
BUG Rating: B4 - U0 - G2

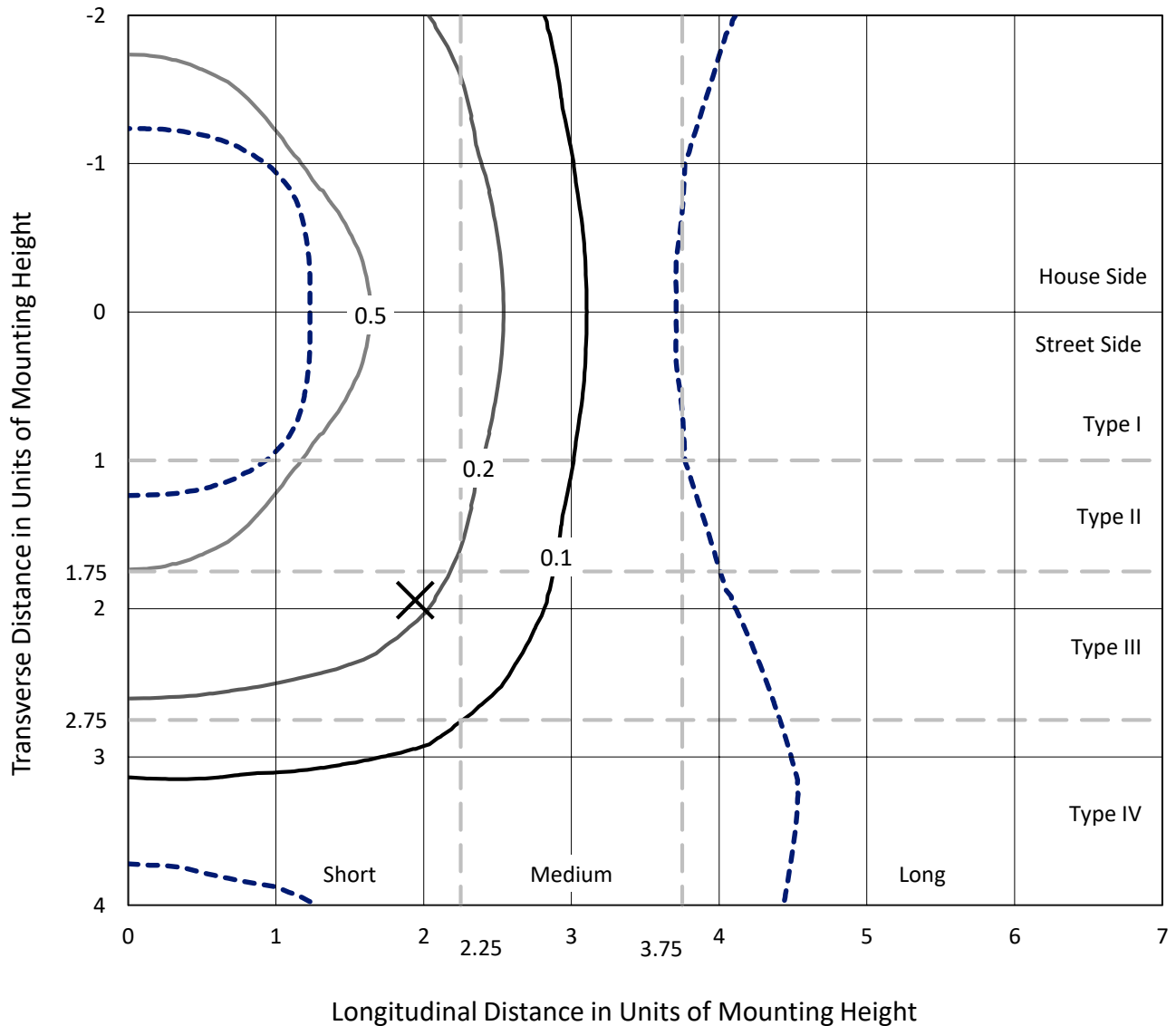
Input Watts (W): 63.4
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

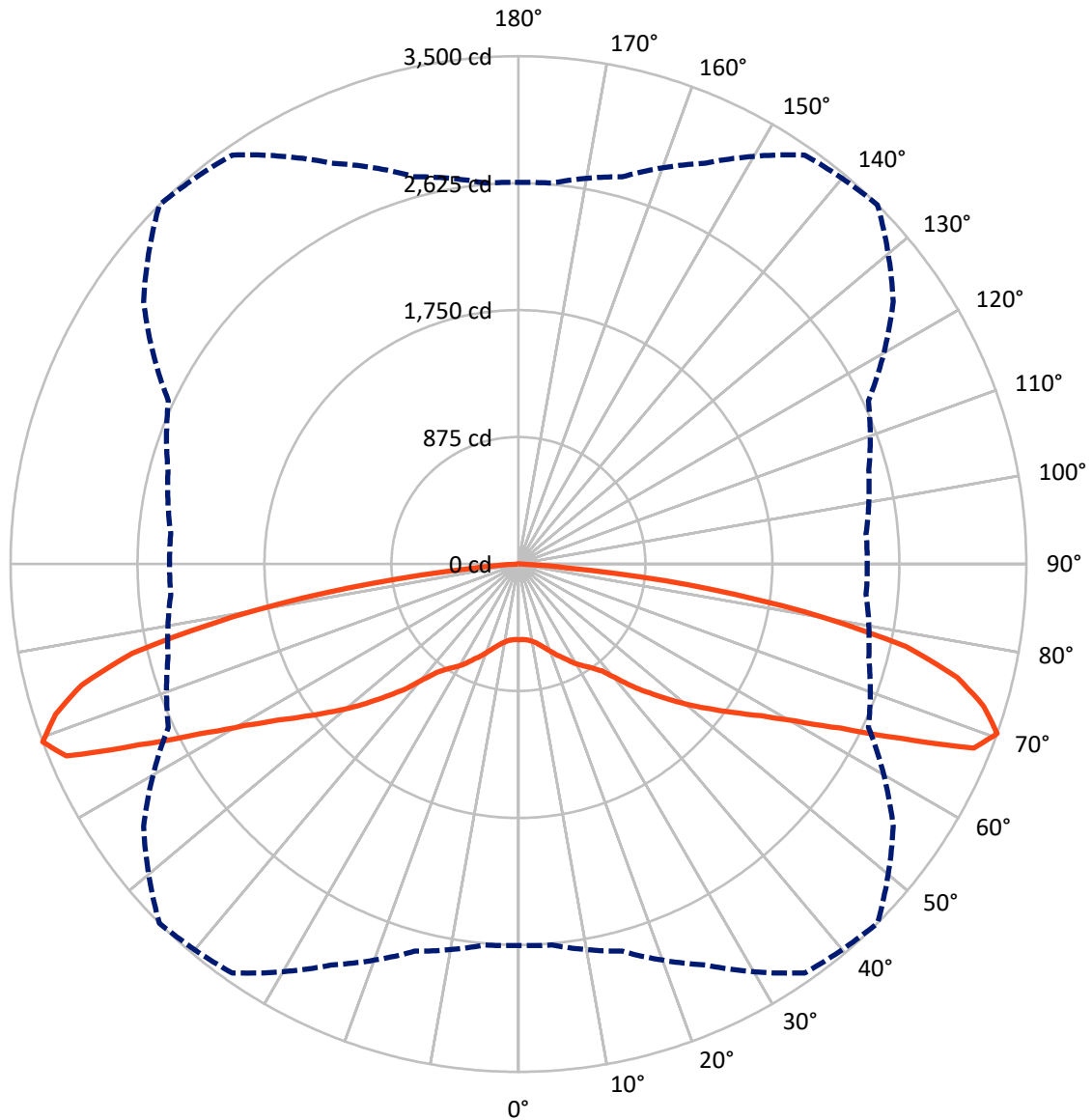
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 0.9 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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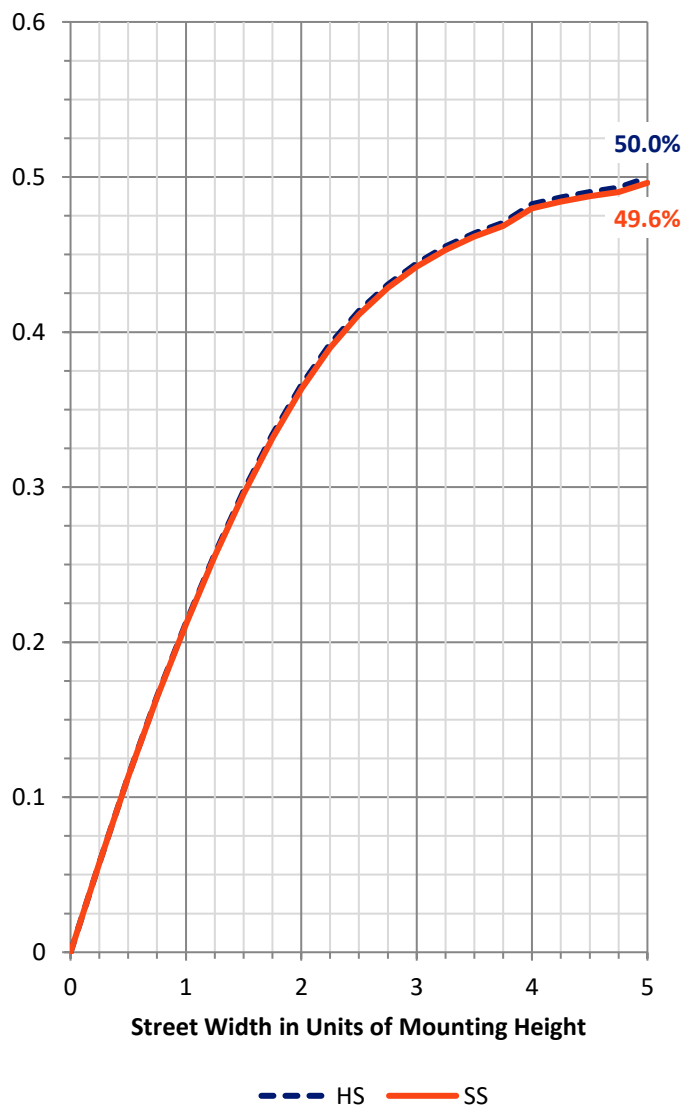
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4672.5	0.0	4672.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	4672.5	0.0	4672.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	9345.0	0.0	9345.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	50.8	0.5
10°-20°	166.9	1.8
20°-30°	327.9	3.5
30°-40°	562.4	6.0
40°-50°	1032.6	11.0
50°-60°	1737.8	18.6
60°-70°	2745.8	29.4
70°-80°	2343.1	25.1
80°-90°	377.8	4.0
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°	9345.0	100.0
0°-180°	9345.0	100.0

Coefficient of Utilization



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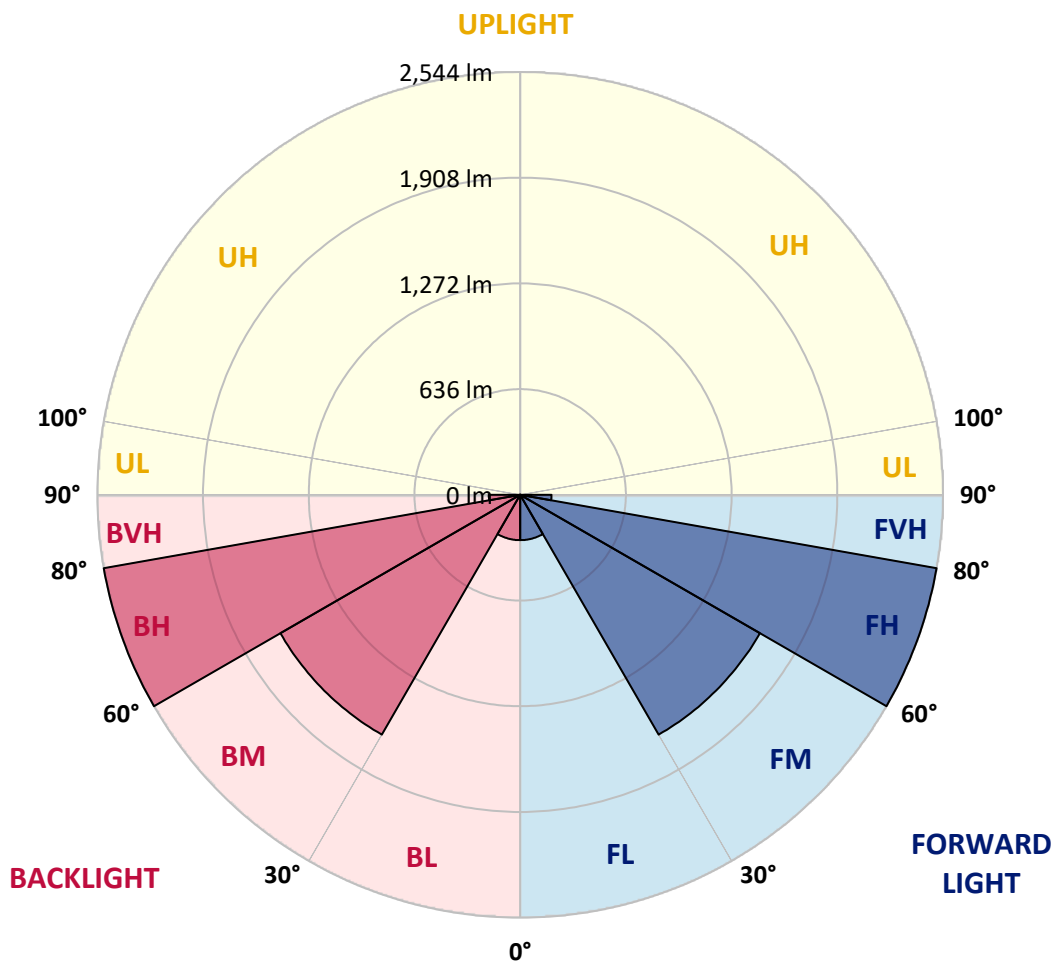
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	272.8	2.9			
FM (30°-60°)	1666.4	17.8			
FH (60°-80°)	2544.4	27.2			G2/5000
FVH (80°-90°)	188.9	2.0			G2/225
BL (0°-30°)	272.8	2.9	B1/500		
BM (30°-60°)	1666.4	17.8	B2/2500		
BH (60°-80°)	2544.4	27.2	B4/5000		G2/5000
BVH (80°-90°)	188.9	2.0			G2/225
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B4-U0-G2

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	522.4	522.4	522.4	522.4	522.4	522.4	522.4	522.4	522.4	522.4	522.4
2.5°	523.3	526.3	523.3	523.3	521.4	520.4	520.4	520.4	522.4	524.3	524.3
5°	527.3	529.2	526.3	526.3	524.3	524.3	524.3	524.3	526.3	528.3	527.3
7.5°	534.1	537.1	534.1	534.1	532.2	530.2	530.2	531.2	532.2	533.2	532.2
10°	545.9	549.9	545.9	547.9	544.0	543.0	542.0	542.0	543.0	543.0	543.0
12.5°	560.7	563.6	561.6	563.6	559.7	559.7	556.7	556.7	555.7	555.7	555.7
15°	580.3	584.2	582.3	585.2	583.2	583.2	580.3	577.3	576.4	576.4	576.4
17.5°	603.9	607.8	606.8	611.7	609.8	611.7	605.8	600.9	601.9	601.9	600.9
20°	631.4	635.3	635.3	642.2	642.2	644.1	636.3	631.4	629.4	630.4	629.4
22.5°	661.8	665.7	664.7	675.5	681.4	681.4	670.6	666.7	662.8	663.8	661.8
25°	695.2	700.1	695.2	705.0	714.8	715.8	707.0	697.1	697.1	702.0	700.1
27.5°	723.6	729.5	726.6	730.5	752.1	758.0	744.3	733.5	735.4	739.4	736.4
30°	758.0	762.9	758.0	761.0	781.6	801.2	775.7	772.7	776.7	780.6	780.6
32.5°	802.2	808.1	799.3	802.2	809.1	839.5	816.9	820.9	829.7	838.5	838.5
35°	854.2	860.1	851.3	851.3	854.2	879.8	872.9	884.7	902.4	921.0	924.9
37.5°	920.0	923.0	913.2	909.2	915.1	935.7	945.6	972.1	1000.5	1034.9	1040.8
40°	1009.4	1013.3	999.6	995.6	999.6	1029.0	1056.5	1103.6	1142.9	1179.2	1183.2
42.5°	1141.9	1153.7	1140.0	1127.2	1127.2	1153.7	1192.0	1249.0	1299.0	1322.6	1328.5
45°	1288.2	1299.0	1269.6	1252.9	1246.0	1267.6	1309.8	1376.6	1423.7	1462.0	1459.1
47.5°	1462.0	1458.1	1430.6	1401.2	1379.5	1393.3	1432.6	1490.5	1541.6	1575.9	1576.9
50°	1656.4	1655.5	1619.1	1561.2	1520.0	1525.9	1552.4	1614.2	1665.3	1697.7	1705.5
52.5°	1863.6	1856.7	1808.6	1741.9	1680.0	1660.4	1671.2	1726.2	1781.1	1818.5	1818.5
55°	2070.8	2062.0	2021.7	1933.3	1859.7	1806.7	1798.8	1853.8	1916.6	1961.8	1964.8
57.5°	2284.8	2286.8	2243.6	2168.0	2055.1	1973.6	1952.0	2014.8	2081.6	2122.8	2133.6
60°	2502.8	2500.9	2467.5	2414.5	2301.5	2195.5	2160.1	2196.5	2280.9	2313.3	2326.1
62.5°	2780.7	2787.6	2738.5	2701.2	2594.1	2492.0	2425.3	2460.6	2544.1	2589.2	2590.2
65°	2930.9	2944.7	2966.3	3034.0	2998.7	2894.6	2810.2	2768.9	2743.4	2728.7	2719.8
67.5°	2846.5	2847.5	2940.7	3113.6	3317.8	3384.6	3062.5	2773.8	2667.8	2638.3	2630.5
70°	2629.5	2635.4	2763.0	3048.8	3440.5	3500.4	3153.8	2661.9	2499.9	2405.6	2404.6
72.5°	2197.5	2269.1	2437.0	2860.2	3361.0	3354.1	3007.5	2481.2	2225.9	2132.7	2121.9
75°	1738.9	1759.5	1992.2	2468.5	3066.4	3123.4	2794.4	2157.2	1860.7	1737.9	1731.1
77.5°	1111.5	1130.2	1386.4	1915.7	2591.2	2729.6	2384.0	1723.2	1391.3	1219.5	1214.6
80°	543.0	596.0	790.4	1247.0	1870.5	2001.1	1677.1	1101.7	823.8	661.8	648.0
82.5°	222.9	234.7	384.9	690.3	1097.7	1186.1	857.2	512.5	304.4	201.3	186.6
85°	66.8	67.8	117.8	246.5	462.5	334.8	172.8	73.6	32.4	23.6	22.6
87.5°	11.8	12.8	21.6	29.5	28.5	12.8	11.8	10.8	10.8	10.8	11.8
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)