

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: P507638

Luminaire Tested: **VERD-S-CA1-60-730-U-T5**

Issue Date: 3/30/2021

Test Information

Test Method: LM-79-08
Report Number: P507638
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-CA1-60-730-U-T5
Description: VERDEON-S ROADWAY AND AREA LUMINAIRE
(1) 70 CRI, 3000K, 1150mA LED AND TYPE V OPTIC
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8927 lumens
Efficiency: N/A
Efficacy: 141.0 lumens/watt
Luminous Opening: Rectangular (W 0.83' x L: 0.83' x H: 0')
IES Classification: Type V - Short
BUG Rating: B3 - U0 - G2

Input Watts (W): 63.3
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

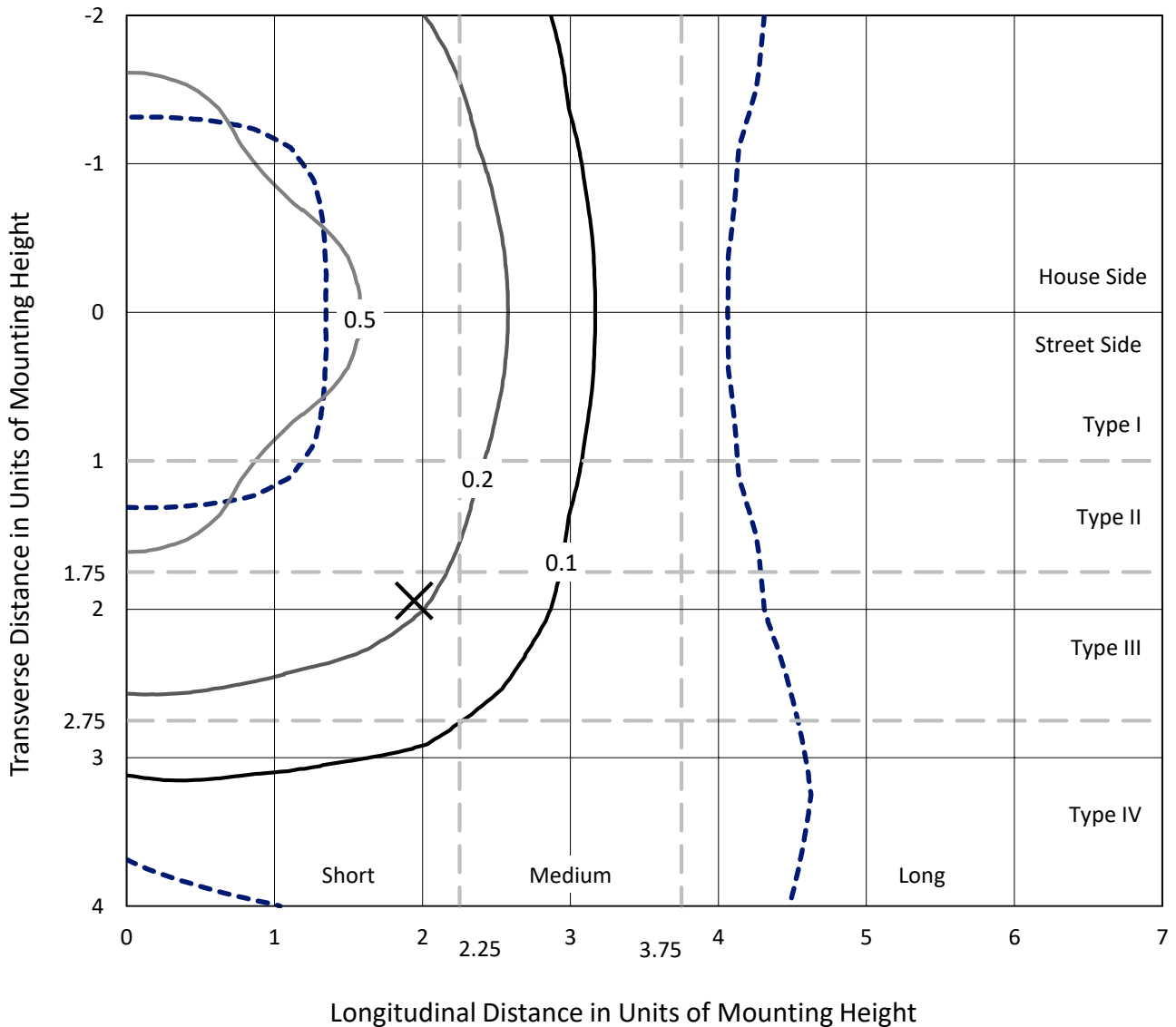


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Iso-Footcandle Lines of Horizontal Illumination

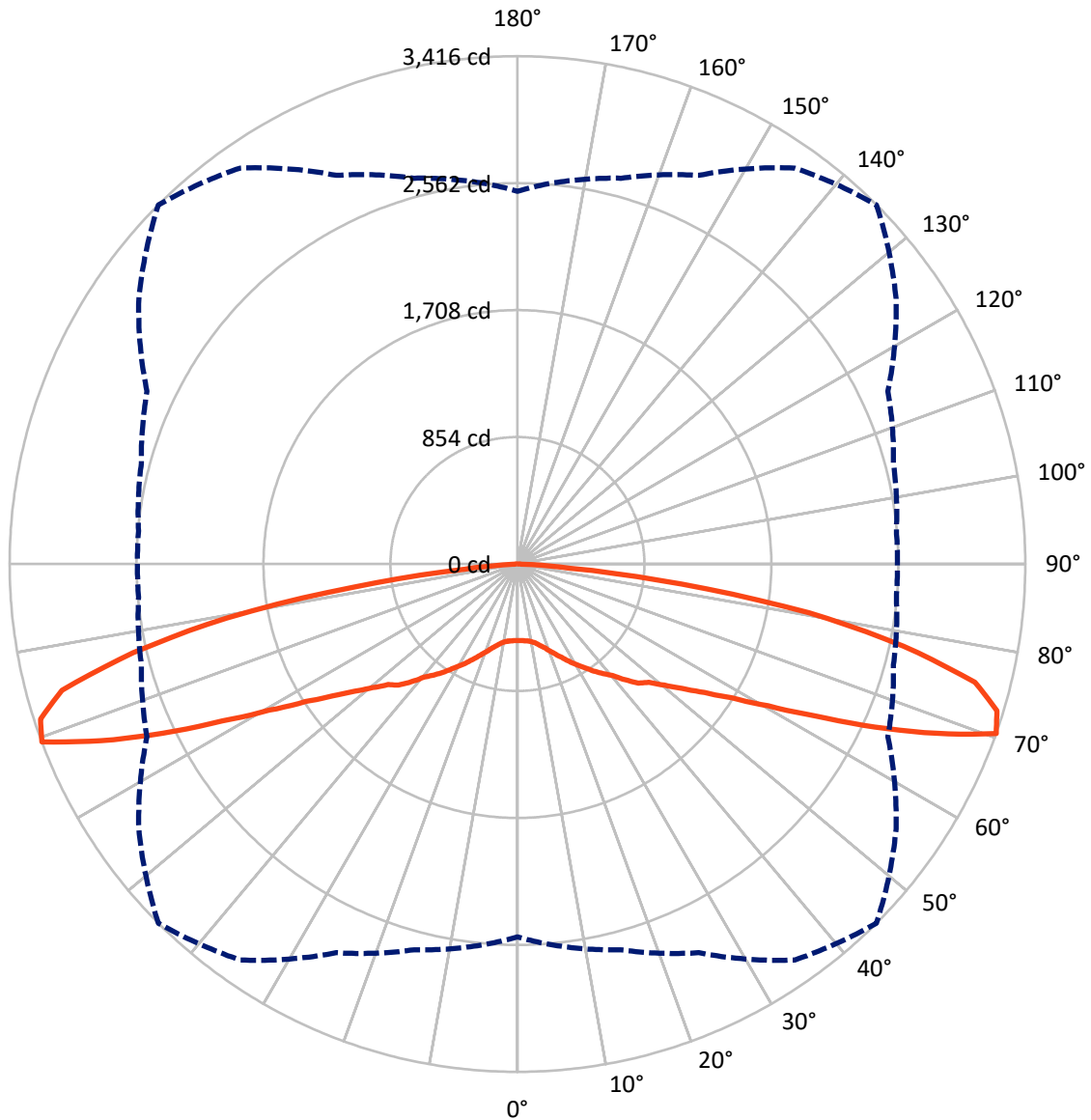
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 0.8 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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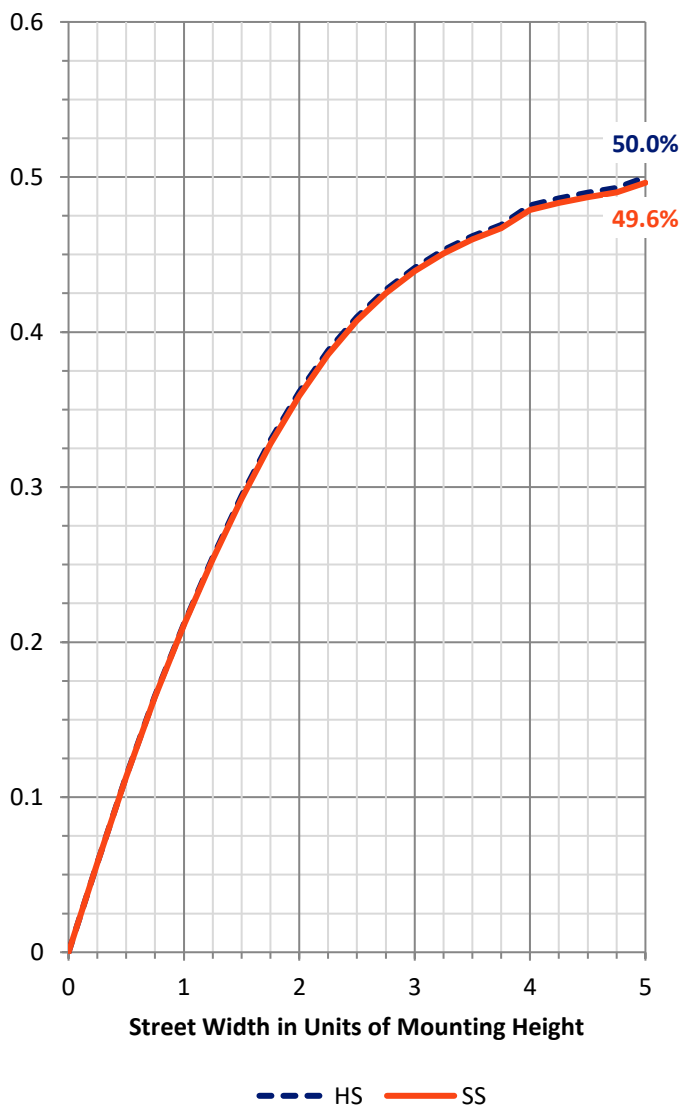
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4463.5	0.0	4463.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	4463.5	0.0	4463.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	8927.0	0.0	8927.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	49.9	0.6
10°-20°	161.2	1.8
20°-30°	319.6	3.6
30°-40°	556.3	6.2
40°-50°	911.4	10.2
50°-60°	1549.7	17.4
60°-70°	2576.1	28.9
70°-80°	2403.0	26.9
80°-90°	399.7	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°	8927.0	100.0
0°-180°	8927.0	100.0

Coefficient of Utilization



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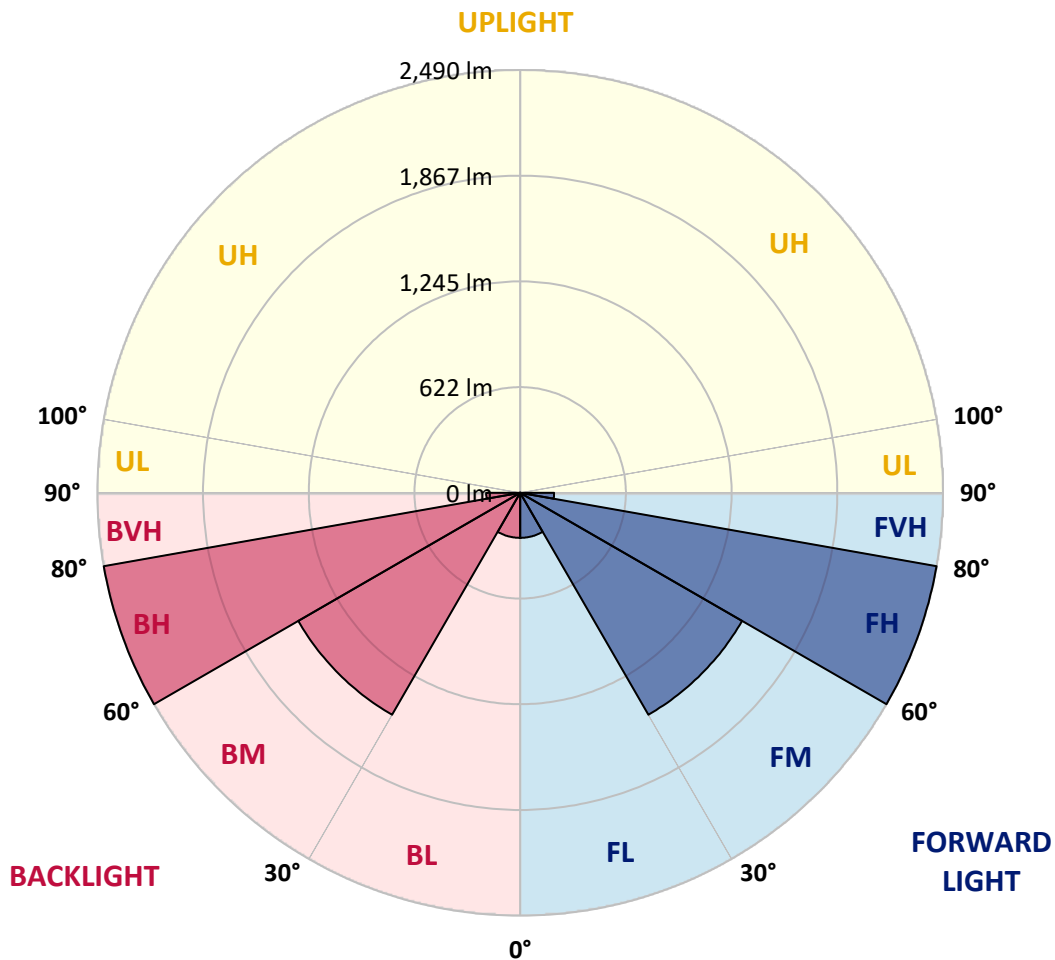
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	265.4	3.0			
FM (30°-60°)	1508.7	16.9			
FH (60°-80°)	2489.6	27.9			G2/5000
FVH (80°-90°)	199.9	2.2			G2/225
BL (0°-30°)	265.4	3.0	B1/500		
BM (30°-60°)	1508.7	16.9	B2/2500		
BH (60°-80°)	2489.6	27.9	B3/2500		G2/5000
BVH (80°-90°)	199.9	2.2			G2/225
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G2

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	514.6	514.6	514.6	514.6	514.6	514.6	514.6	514.6	514.6	514.6	514.6
2.5°	514.6	514.6	514.6	514.6	514.6	514.6	514.6	517.0	517.0	517.0	517.0
5°	519.4	519.4	517.0	517.0	517.0	517.0	519.4	519.4	519.4	521.9	521.9
7.5°	521.9	521.9	521.9	521.9	521.9	521.9	521.9	521.9	524.3	524.3	524.3
10°	531.5	531.5	531.5	531.5	531.5	531.5	531.5	531.5	531.5	531.5	531.5
12.5°	541.2	541.2	543.6	543.6	546.0	546.0	543.6	543.6	541.2	538.8	538.8
15°	558.1	558.1	560.5	562.9	567.8	567.8	565.3	562.9	558.1	555.7	555.7
17.5°	575.0	575.0	577.4	582.3	589.5	591.9	587.1	582.3	577.4	575.0	575.0
20°	599.2	601.6	604.0	608.8	620.9	625.7	618.5	608.8	606.4	606.4	606.4
22.5°	635.4	635.4	635.4	642.6	652.3	659.6	649.9	645.1	640.2	640.2	640.2
25°	674.1	674.1	674.1	676.5	691.0	698.2	688.6	681.3	678.9	681.3	681.3
27.5°	717.5	717.5	717.5	717.5	729.6	741.7	729.6	722.4	724.8	724.8	724.8
30°	763.4	763.4	765.9	765.9	770.7	785.2	773.1	770.7	773.1	775.5	775.5
32.5°	816.6	819.0	816.6	816.6	821.4	831.1	823.8	823.8	828.7	833.5	833.5
35°	872.2	872.2	872.2	872.2	874.6	884.2	879.4	879.4	886.7	893.9	893.9
37.5°	932.6	935.0	927.7	925.3	930.2	935.0	932.6	937.4	949.5	959.1	961.6
40°	997.8	997.8	990.6	983.3	983.3	985.7	990.6	1000.2	1017.1	1029.2	1031.6
42.5°	1079.9	1087.2	1075.1	1065.4	1060.6	1065.4	1070.3	1087.2	1104.1	1113.8	1113.8
45°	1188.7	1191.1	1176.6	1159.7	1147.6	1142.8	1150.0	1166.9	1186.2	1205.6	1205.6
47.5°	1321.5	1316.7	1285.3	1234.6	1198.3	1188.7	1200.7	1239.4	1285.3	1314.3	1319.1
50°	1488.2	1483.4	1435.1	1360.2	1295.0	1280.5	1287.7	1345.7	1413.3	1456.8	1464.1
52.5°	1686.4	1674.3	1621.1	1522.1	1423.0	1389.2	1406.1	1483.4	1570.4	1626.0	1633.2
55°	1889.3	1882.0	1826.5	1715.3	1589.7	1526.9	1548.6	1652.5	1761.2	1819.2	1824.1
57.5°	2087.4	2089.8	2039.1	1937.6	1790.2	1698.4	1727.4	1850.6	1973.9	2031.8	2031.8
60°	2275.9	2273.4	2237.2	2157.5	2043.9	1937.6	1973.9	2075.3	2184.0	2237.2	2242.0
62.5°	2457.0	2454.6	2442.6	2391.8	2326.6	2249.3	2251.7	2319.3	2406.3	2445.0	2452.2
65°	2691.4	2686.6	2669.7	2638.2	2647.9	2643.1	2563.4	2580.3	2662.4	2705.9	2708.3
67.5°	2708.3	2737.3	2792.9	2887.1	3022.4	3041.7	2940.2	2788.0	2747.0	2722.8	2720.4
70°	2507.8	2570.6	2686.6	2884.7	3251.9	3416.2	3109.4	2749.4	2618.9	2558.5	2556.1
72.5°	2155.1	2285.5	2437.7	2754.2	3266.4	3372.7	3126.3	2606.8	2396.6	2297.6	2283.1
75°	1669.4	1795.1	2048.7	2483.6	3073.1	3179.4	2937.8	2338.7	2068.1	1971.4	1942.4
77.5°	1026.8	1176.6	1444.8	1942.4	2544.0	2652.7	2459.5	1865.1	1575.2	1423.0	1430.3
80°	500.1	647.5	872.2	1311.9	1828.9	1988.3	1691.2	1203.2	959.1	852.8	843.2
82.5°	217.4	294.7	420.4	657.1	1038.9	1111.3	860.1	594.3	473.5	422.8	418.0
85°	31.4	43.5	108.7	195.7	314.1	352.7	202.9	123.2	94.2	84.6	77.3
87.5°	21.7	21.7	21.7	24.2	29.0	31.4	26.6	24.2	21.7	21.7	21.7
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)