

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: P233627

Luminaire Tested: **VERD-C01H-D-U-T5-7030**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P233627
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1710-389-16)
Test Lab: INNOVATION CENTER(G2)
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: VERD-C01H-D-U-T5-7030
Description: VERDEON ROADWAY AND AREA LUMINAIRE
(1) 70 CRI, 3000K, 1210mA LED AND TYPE V OPTIC
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8825 lumens
Efficiency: N/A
Efficacy: 120.9 lumens/watt
Luminous Opening: Rectangular (W 0.79' x L: 1.25' x H: 0')
IES Classification: Type V - Short - Non-Cutoff
BUG Rating: B3 - U0 - G3

Input Watts (W): 73
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: 28.75 FT

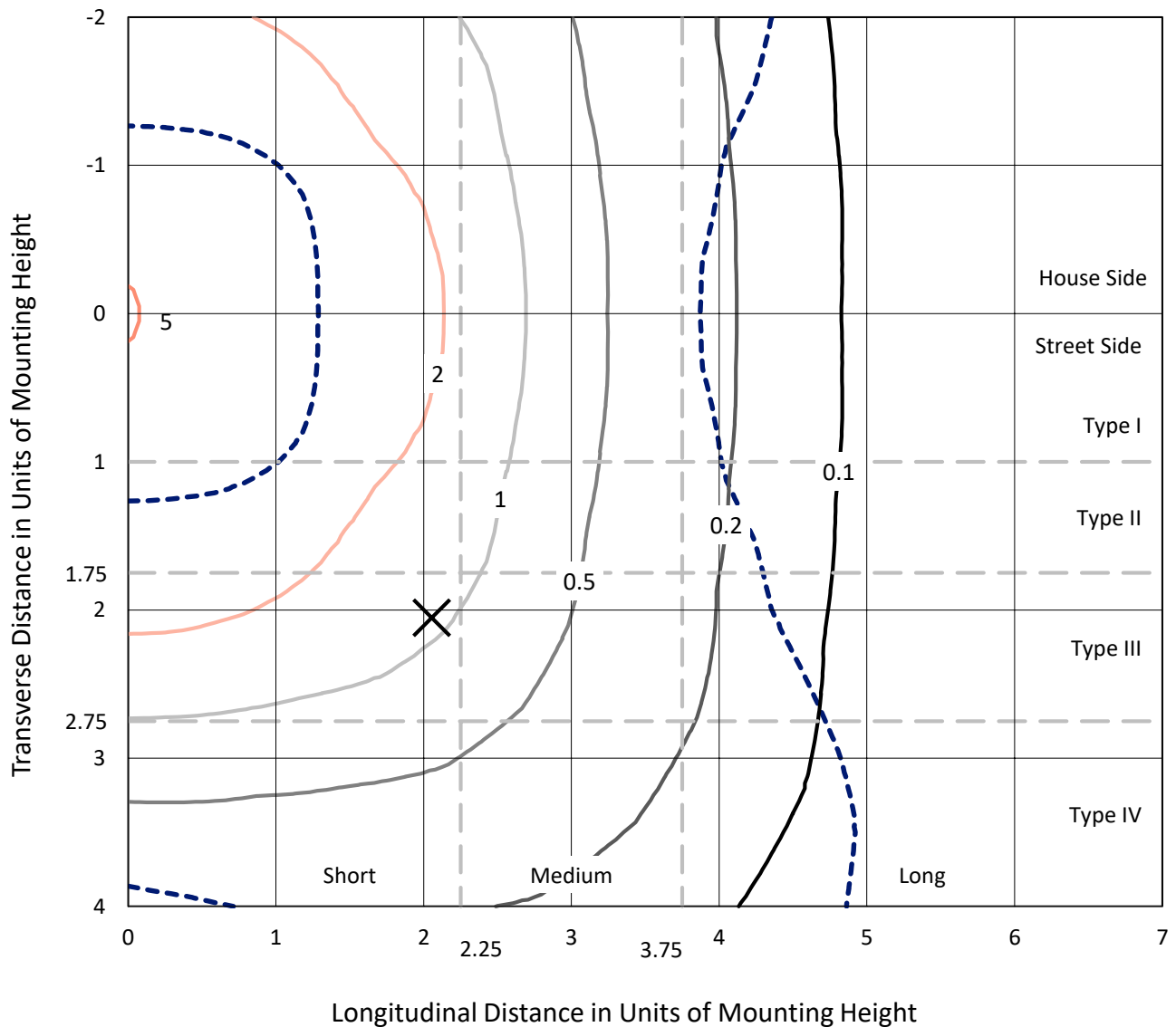


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

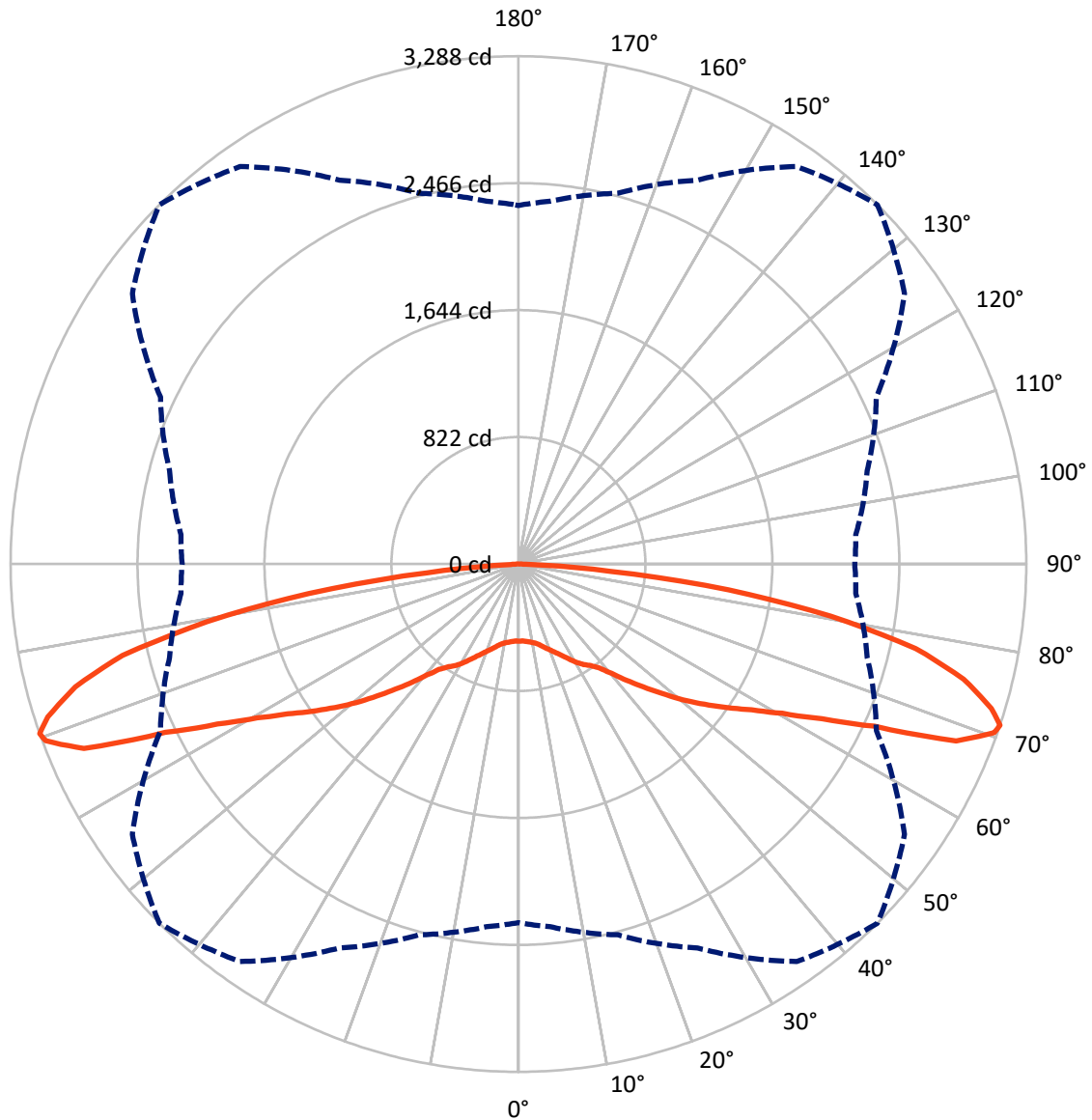


Based on 10 foot mounting height. Maximum calculated value = 5 fc
 Type V - Short - Non-Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 71-Deg Vertical

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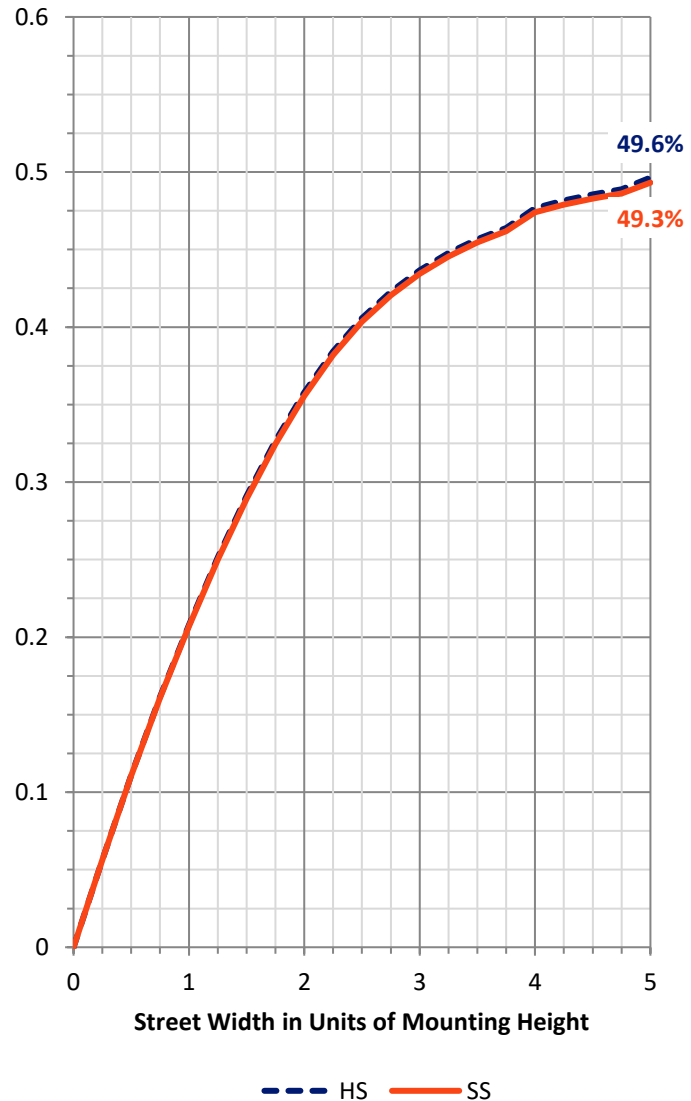
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4412.5	0.0	4412.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	4412.5	0.0	4412.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	8825.0	0.0	8825.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	48.6	0.6
10°-20°	156.0	1.8
20°-30°	300.7	3.4
30°-40°	508.6	5.8
40°-50°	925.0	10.5
50°-60°	1577.6	17.9
60°-70°	2529.8	28.7
70°-80°	2300.2	26.1
80°-90°	478.5	5.4
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°	8825.0	100.0
0°-180°	8825.0	100.0



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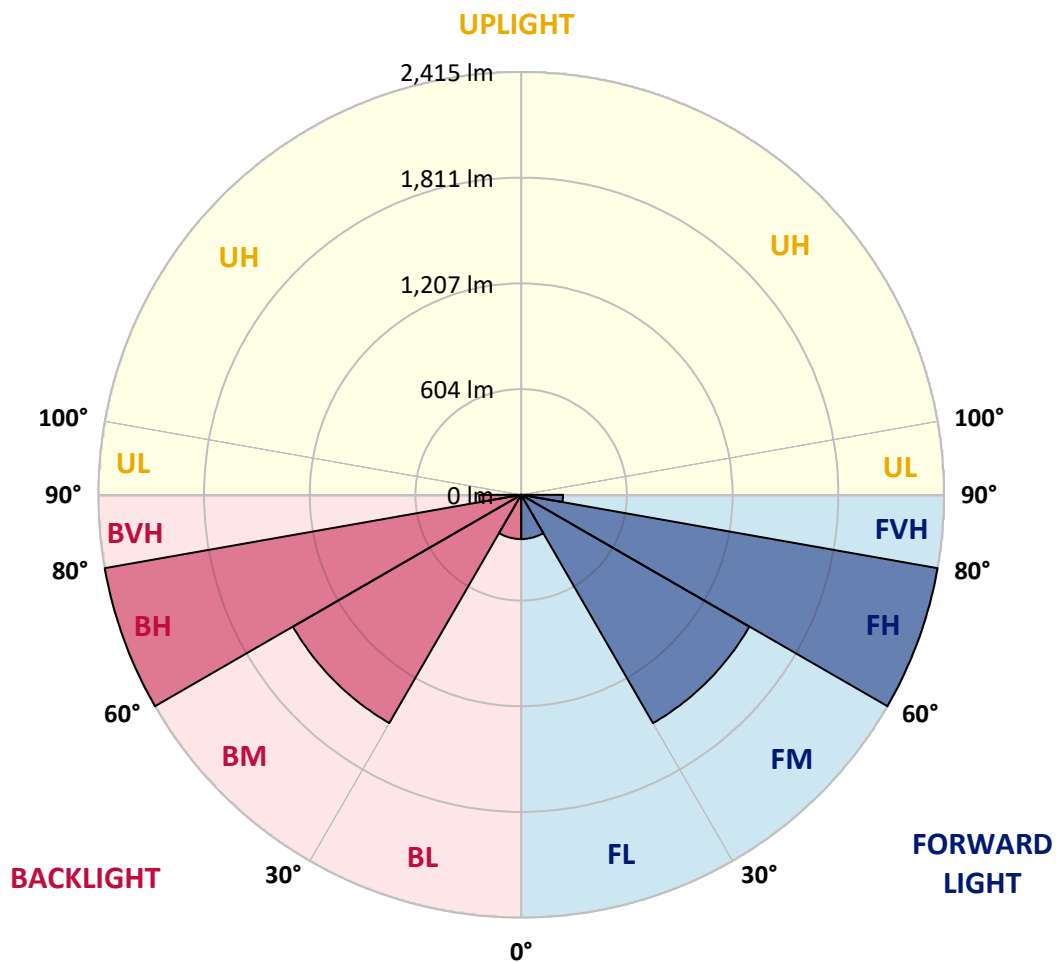
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	252.7	2.9			
FM (30°-60°)	1505.6	17.1			
FH (60°-80°)	2415.0	27.4			G2/5000
FVH (80°-90°)	239.3	2.7			G3/500
BL (0°-30°)	252.7	2.9	B1/500		
BM (30°-60°)	1505.6	17.1	B2/2500		
BH (60°-80°)	2415.0	27.4	B3/2500		G2/5000
BVH (80°-90°)	239.3	2.7			G3/500
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G3

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	500.0	500.0	500.0	500.0	500.0	500.0	500.0	500.0	500.0	500.0	500.0
2.5°	504.7	504.7	503.9	500.0	500.8	498.4	496.9	497.6	498.4	498.4	497.6
5°	508.6	508.6	507.9	504.7	505.5	503.1	502.4	503.1	504.7	506.3	504.7
7.5°	516.5	515.7	514.1	511.0	511.0	509.4	507.9	508.6	510.2	511.0	510.2
10°	525.2	524.4	522.0	518.9	518.9	517.3	514.1	514.1	514.1	513.4	512.6
12.5°	534.6	533.8	531.4	528.3	530.7	528.3	525.9	525.2	522.8	521.2	520.4
15°	549.5	548.7	546.4	544.0	550.3	547.2	543.2	539.3	537.7	536.2	534.6
17.5°	567.6	566.8	565.2	563.7	571.5	571.5	564.5	557.4	558.2	555.8	554.2
20°	588.8	588.0	586.5	588.0	596.7	595.9	586.5	577.8	581.0	576.3	574.7
22.5°	615.6	614.0	611.6	614.0	626.6	624.2	612.4	604.6	606.9	604.6	603.0
25°	644.6	641.5	638.4	641.5	661.9	657.2	645.4	636.0	640.7	639.1	638.4
27.5°	672.9	669.8	667.4	665.1	696.5	695.7	680.0	670.6	676.1	676.9	677.7
30°	700.5	699.7	695.7	692.6	726.4	737.4	710.7	706.8	710.7	715.4	717.0
32.5°	737.4	735.8	731.9	726.4	749.2	775.9	746.1	749.2	755.5	764.9	764.1
35°	786.9	783.0	777.5	772.0	786.2	807.4	794.0	800.3	811.3	822.3	820.7
37.5°	839.6	838.8	833.3	820.0	835.7	854.6	850.6	862.4	881.3	903.3	900.1
40°	915.1	915.9	904.1	886.8	900.1	930.8	934.7	959.1	992.1	1023.6	1024.4
42.5°	1033.8	1031.4	1022.8	998.4	1007.1	1029.9	1048.7	1086.5	1127.3	1159.6	1164.3
45°	1180.8	1177.7	1160.4	1121.8	1119.5	1136.0	1163.5	1212.3	1261.8	1293.2	1295.6
47.5°	1349.0	1338.0	1311.3	1261.0	1242.9	1250.8	1279.1	1333.3	1384.4	1419.0	1416.7
50°	1514.9	1515.7	1483.5	1417.4	1381.3	1381.3	1397.8	1454.4	1506.3	1538.5	1539.3
52.5°	1702.0	1695.0	1663.5	1584.1	1525.1	1508.6	1514.1	1567.6	1621.1	1655.6	1655.6
55°	1890.7	1883.6	1853.0	1764.9	1688.7	1640.7	1635.2	1685.5	1743.7	1776.7	1780.6
57.5°	2084.9	2080.2	2047.9	1952.0	1856.9	1780.6	1768.1	1825.5	1886.8	1919.8	1922.2
60°	2286.9	2280.6	2248.4	2173.7	2057.4	1961.5	1937.9	1996.1	2069.2	2112.4	2110.0
62.5°	2522.0	2514.1	2489.0	2393.1	2310.5	2206.7	2160.4	2227.2	2314.4	2364.8	2368.7
65°	2710.7	2713.8	2737.4	2723.2	2646.2	2533.0	2486.6	2593.5	2643.8	2652.5	2646.2
67.5°	2661.1	2672.9	2724.8	2842.0	2981.1	3055.8	2873.4	2745.3	2649.3	2593.5	2585.7
70°	2447.3	2456.0	2580.2	2772.0	3140.7	3268.1	3037.7	2620.3	2419.0	2332.5	2322.3
71°	2321.5	2356.9	2485.0	2742.1	3141.5	3287.7	3051.1	2556.6	2338.0	2192.6	2176.9
72.5°	2129.7	2160.4	2321.5	2629.7	3095.9	3202.8	2909.6	2407.2	2154.1	2033.0	1992.9
75°	1736.6	1793.2	1935.5	2341.2	2887.6	2977.2	2656.4	2123.4	1852.2	1720.9	1710.7
77.5°	1235.1	1273.6	1489.0	1926.9	2545.6	2629.7	2348.2	1785.4	1498.4	1376.6	1363.2
80°	686.3	724.8	952.0	1354.5	1965.4	2050.3	1797.2	1304.2	1018.1	888.4	834.9
82.5°	307.4	330.2	497.6	802.7	1261.0	1371.1	1092.0	717.0	490.6	347.5	319.2
85°	106.9	118.7	198.1	364.0	645.4	595.9	374.2	179.2	62.9	30.7	28.3
87.5°	20.4	22.8	43.2	101.4	105.3	48.7	15.7	11.8	11.8	12.6	12.6
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)