

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: P233640

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

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P233640
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
Description: VERDEON ROADWAY AND AREA LUMINAIRE
(1) 70 CRI, 4000K, 1210mA LED AND TYPE V OPTIC
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 9068 lumens
Efficiency: N/A
Efficacy: 124.2 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

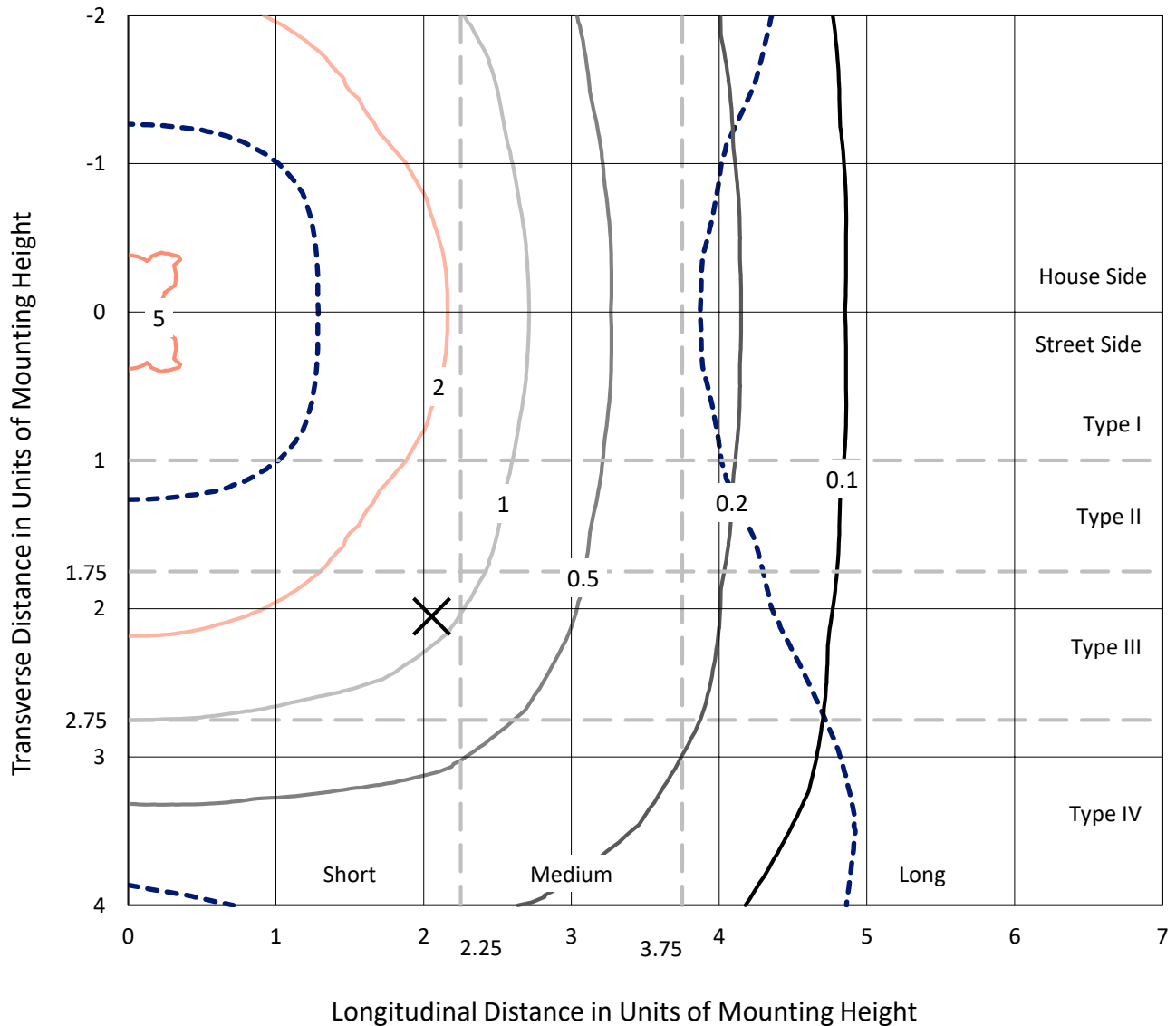
Input Watts (W): 73
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

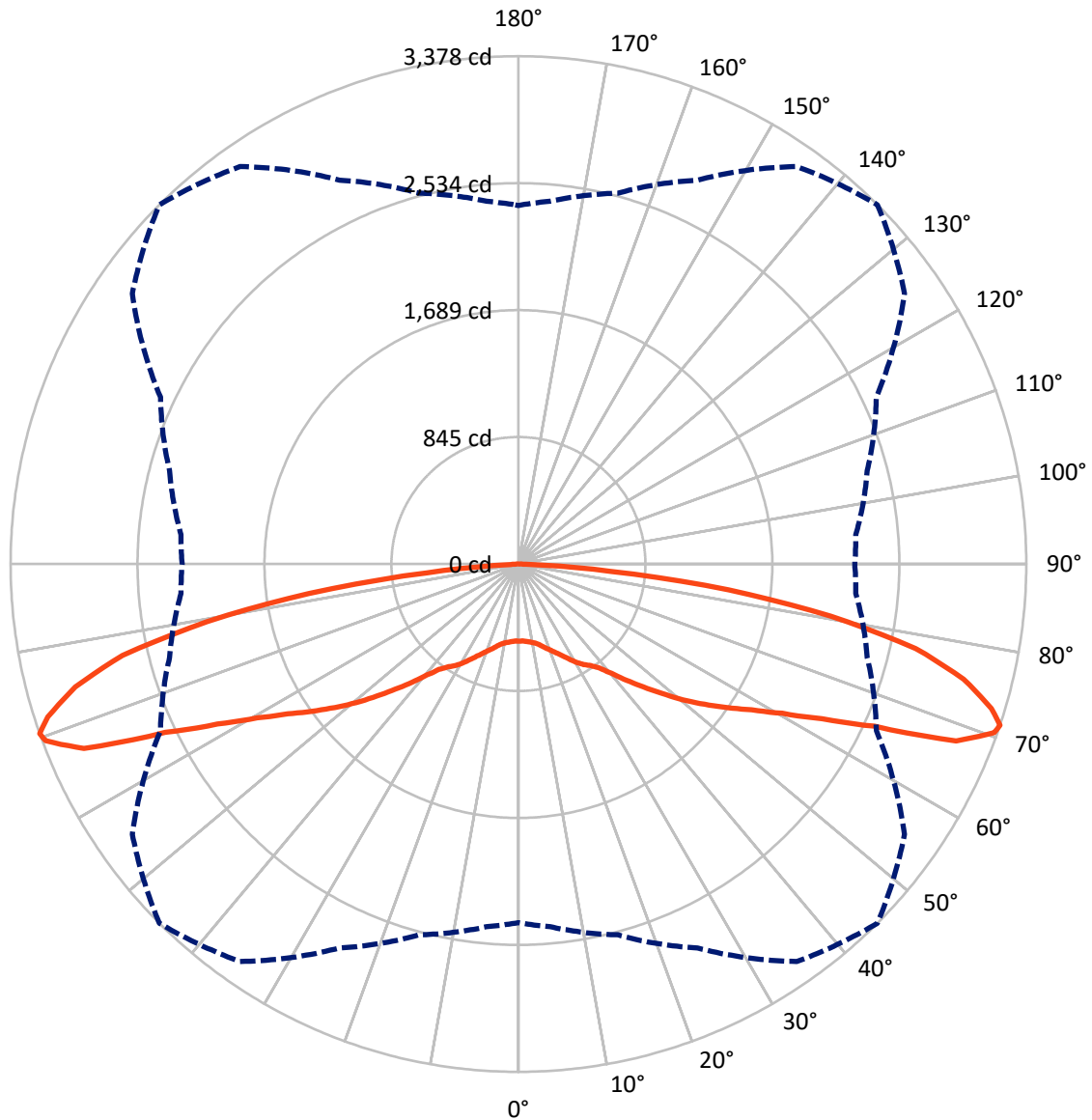
× Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 5.2 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	4534.0	0.0	4534.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	4534.0	0.0	4534.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	9068.0	0.0	9068.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	49.9	0.6
10°-20°	160.3	1.8
20°-30°	309.0	3.4
30°-40°	522.6	5.8
40°-50°	950.4	10.5
50°-60°	1621.1	17.9
60°-70°	2599.4	28.7
70°-80°	2363.6	26.1
80°-90°	491.7	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°	9068.0	100.0
0°-180°	9068.0	100.0



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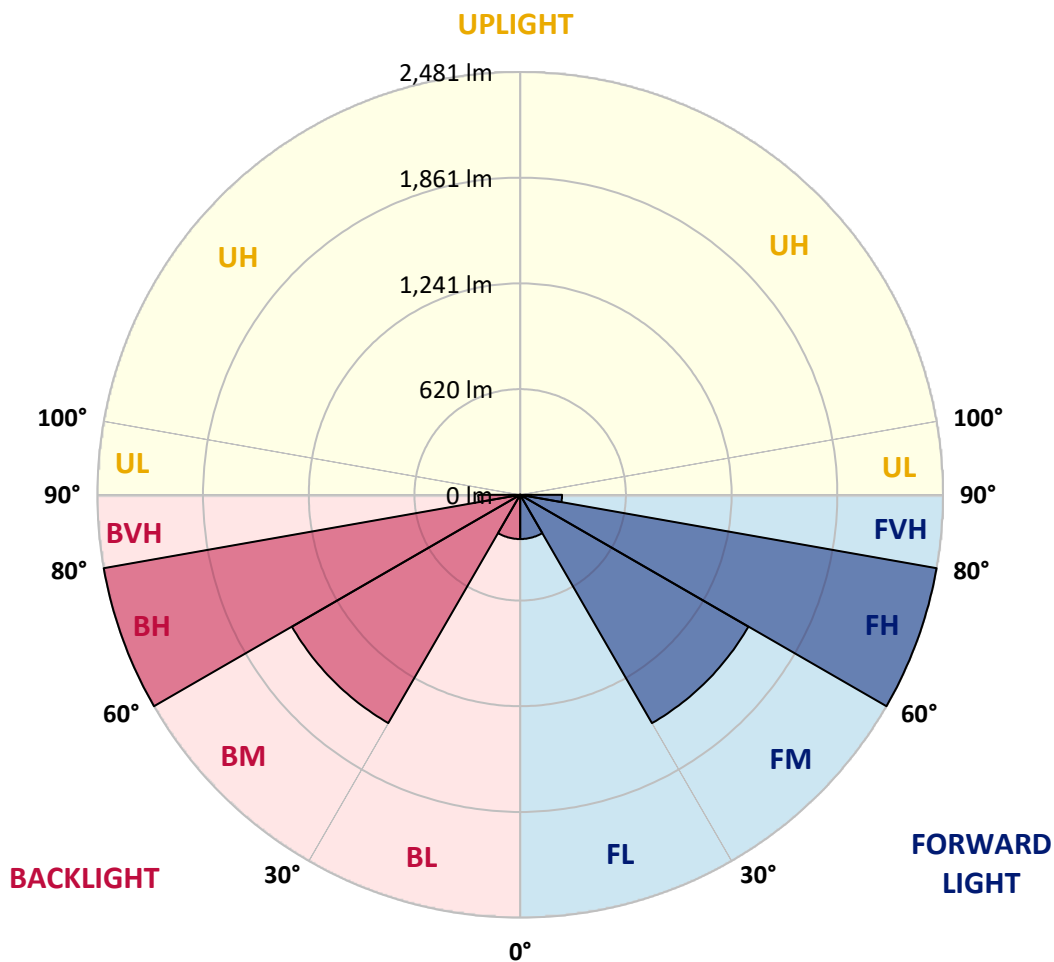
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	259.6	2.9			
FM (30°-60°)	1547.0	17.1			
FH (60°-80°)	2481.5	27.4			G2/5000
FVH (80°-90°)	245.8	2.7			G3/500
BL (0°-30°)	259.6	2.9	B1/500		
BM (30°-60°)	1547.0	17.1	B2/2500		
BH (60°-80°)	2481.5	27.4	B3/2500		G2/5000
BVH (80°-90°)	245.8	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°	513.8	513.8	513.8	513.8	513.8	513.8	513.8	513.8	513.8	513.8	513.8
2.5°	518.6	518.6	517.8	513.8	514.6	512.1	510.5	511.3	512.1	512.1	511.3
5°	522.6	522.6	521.8	518.6	519.4	517.0	516.2	517.0	518.6	520.2	518.6
7.5°	530.7	529.9	528.3	525.1	525.1	523.5	521.8	522.6	524.3	525.1	524.3
10°	539.6	538.8	536.4	533.2	533.2	531.5	528.3	528.3	528.3	527.5	526.7
12.5°	549.3	548.5	546.1	542.8	545.3	542.8	540.4	539.6	537.2	535.6	534.8
15°	564.7	563.8	561.4	559.0	565.5	562.2	558.2	554.2	552.5	550.9	549.3
17.5°	583.2	582.4	580.8	579.2	587.3	587.3	580.0	572.7	573.5	571.1	569.5
20°	605.0	604.2	602.6	604.2	613.1	612.3	602.6	593.7	597.0	592.1	590.5
22.5°	632.5	630.9	628.5	630.9	643.8	641.4	629.3	621.2	623.6	621.2	619.6
25°	662.4	659.2	655.9	659.2	680.2	675.3	663.2	653.5	658.4	656.7	655.9
27.5°	691.5	688.2	685.8	683.4	715.7	714.9	698.7	689.1	694.7	695.5	696.3
30°	719.8	718.9	714.9	711.7	746.4	757.7	730.3	726.2	730.3	735.1	736.7
32.5°	757.7	756.1	752.1	746.4	769.8	797.3	766.6	769.8	776.3	786.0	785.2
35°	808.6	804.6	798.9	793.3	807.8	829.6	815.9	822.3	833.7	845.0	843.3
37.5°	862.7	861.9	856.3	842.5	858.7	878.1	874.0	886.2	905.5	928.2	924.9
40°	940.3	941.1	929.0	911.2	924.9	956.4	960.5	985.5	1019.4	1051.8	1052.6
42.5°	1062.3	1059.8	1051.0	1025.9	1034.8	1058.2	1077.6	1116.4	1158.4	1191.5	1196.4
45°	1213.3	1210.1	1192.3	1152.7	1150.3	1167.3	1195.5	1245.6	1296.5	1328.8	1331.3
47.5°	1386.2	1374.9	1347.4	1295.7	1277.1	1285.2	1314.3	1370.0	1422.5	1458.1	1455.7
50°	1556.6	1557.4	1524.3	1456.5	1419.3	1419.3	1436.3	1494.4	1547.8	1580.9	1581.7
52.5°	1748.9	1741.6	1709.3	1627.7	1567.1	1550.2	1555.8	1610.8	1665.7	1701.2	1701.2
55°	1942.8	1935.5	1904.0	1813.5	1735.2	1685.9	1680.2	1731.9	1791.7	1825.6	1829.7
57.5°	2142.3	2137.4	2104.3	2005.8	1908.0	1829.7	1816.7	1875.7	1938.7	1972.7	1975.1
60°	2349.9	2343.4	2310.3	2233.6	2114.0	2015.5	1991.2	2051.0	2126.1	2170.6	2168.1
62.5°	2591.4	2583.4	2557.5	2459.0	2374.1	2267.5	2219.8	2288.5	2378.2	2429.9	2433.9
65°	2785.3	2788.5	2812.8	2798.2	2719.1	2602.7	2555.1	2664.9	2716.6	2725.5	2719.1
67.5°	2734.4	2746.5	2799.8	2920.2	3063.2	3139.9	2952.5	2820.8	2722.3	2664.9	2656.9
70°	2514.7	2523.6	2651.2	2848.3	3227.2	3358.0	3121.4	2692.4	2485.6	2396.8	2386.3
71°	2385.4	2421.8	2553.5	2817.6	3228.0	3378.2	3135.1	2627.0	2402.4	2253.0	2236.8
72.5°	2188.3	2219.8	2385.4	2702.1	3181.1	3291.0	2989.7	2473.5	2213.4	2089.0	2047.8
75°	1784.4	1842.6	1988.8	2405.6	2967.1	3059.2	2729.6	2181.9	1903.2	1768.3	1757.8
77.5°	1269.1	1308.6	1530.0	1979.9	2615.7	2702.1	2412.9	1834.5	1539.7	1414.5	1400.7
80°	705.2	744.8	978.2	1391.8	2019.5	2106.8	1846.6	1340.1	1046.1	912.8	857.9
82.5°	315.9	339.3	511.3	824.8	1295.7	1408.8	1122.0	736.7	504.1	357.0	328.0
85°	109.9	122.0	203.6	374.0	663.2	612.3	384.5	184.2	64.6	31.5	29.1
87.5°	21.0	23.4	44.4	104.2	108.2	50.1	16.2	12.1	12.1	12.9	12.9
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)