

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: P233643

Luminaire Tested: **VERD-C029-D-U-T5**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P233643
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-C029-D-U-T5
Description: VERDEON ROADWAY AND AREA LUMINAIRE
(2) 70 CRI, 4000K, 1030mA LEDS AND TYPE V OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 10345 lumens
Efficiency: N/A
Efficacy: 127.7 lumens/watt
Luminous Opening: Rectangular (W 0.79' x L: 1.25' x H: 0')
IES Classification: Type V - Short - Non-Cutoff
BUG Rating: B4 - U0 - G3

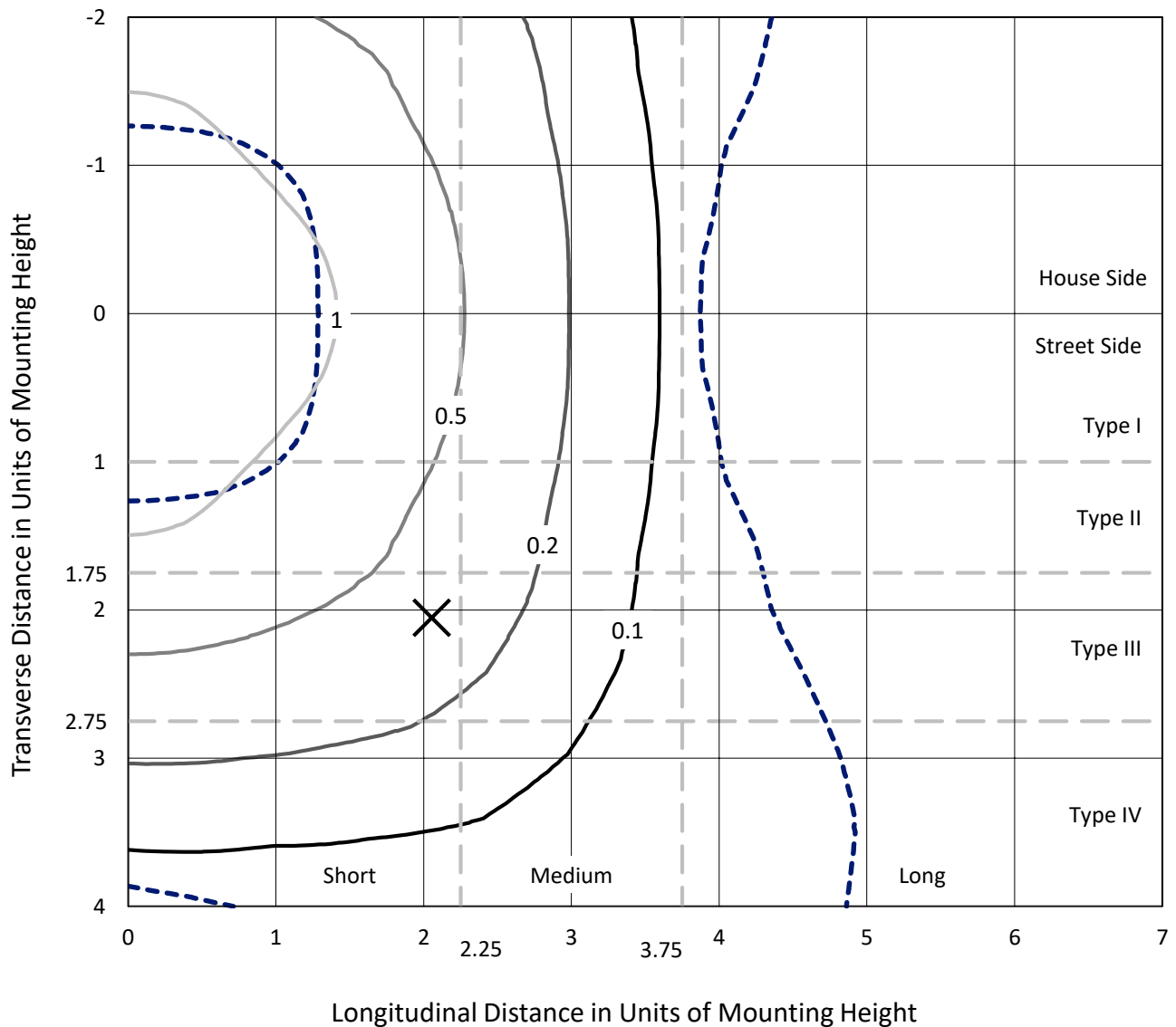
Input Watts (W): 81
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

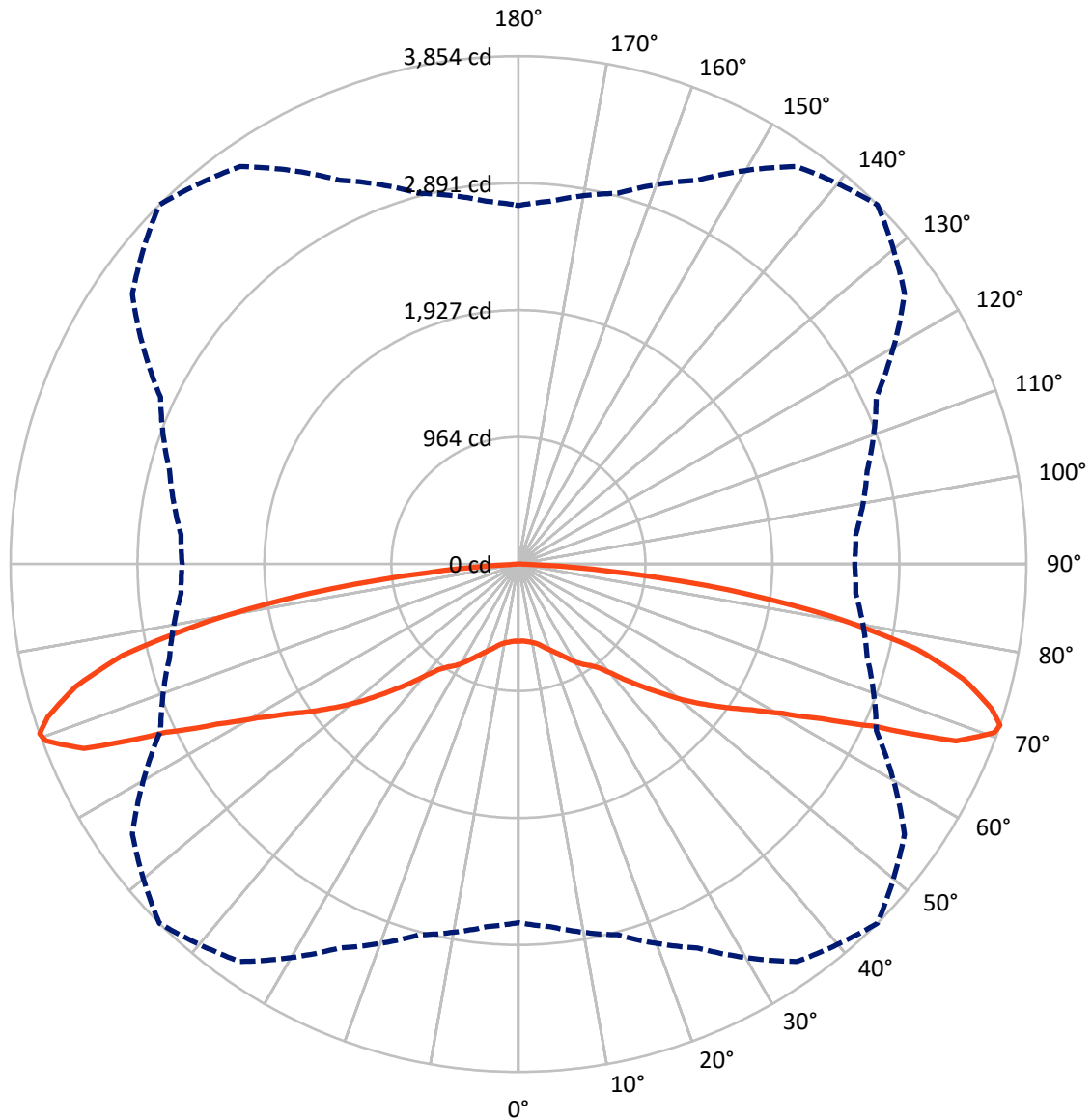


Based on 20 foot mounting height. Maximum calculated value = 1.5 fc
 Type V - Short - Non-Cutoff

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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	5172.5	0.0	5172.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	5172.5	0.0	5172.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	10345.0	0.0	10345.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	57.0	0.6
10°-20°	182.9	1.8
20°-30°	352.5	3.4
30°-40°	596.2	5.8
40°-50°	1084.3	10.5
50°-60°	1849.4	17.9
60°-70°	2965.5	28.7
70°-80°	2696.4	26.1
80°-90°	560.9	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°	10345.0	100.0
0°-180°	10345.0	100.0

Coefficient of Utilization



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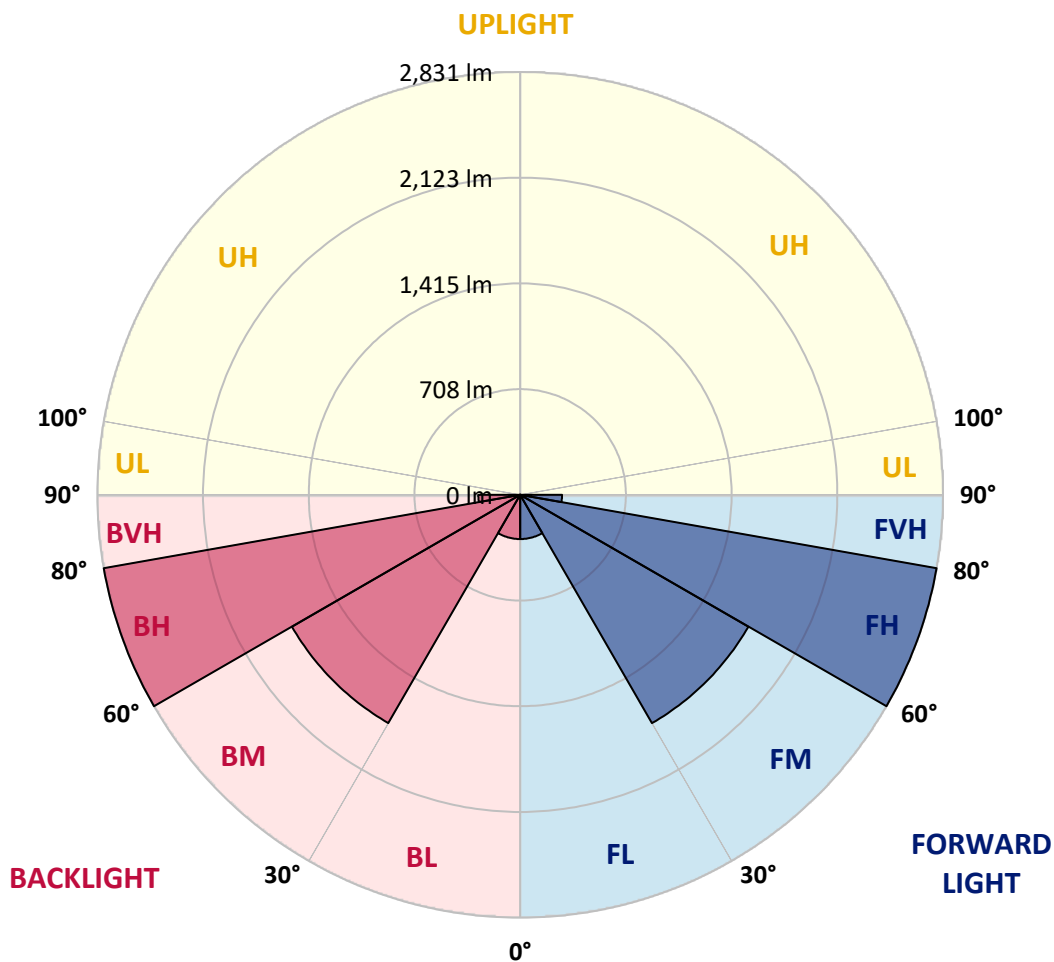
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	296.2	2.9			
FM	(30°-60°)	1764.9	17.1			
FH	(60°-80°)	2830.9	27.4			G2/5000
FVH	(80°-90°)	280.5	2.7			G3/500
BL	(0°-30°)	296.2	2.9	B1/500		
BM	(30°-60°)	1764.9	17.1	B2/2500		
BH	(60°-80°)	2830.9	27.4	B4/5000		G2/5000
BVH	(80°-90°)	280.5	2.7			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°	586.1	586.1	586.1	586.1	586.1	586.1	586.1	586.1	586.1	586.1	586.1
2.5°	591.6	591.6	590.7	586.1	587.0	584.3	582.4	583.3	584.3	584.3	583.3
5°	596.3	596.3	595.3	591.6	592.6	589.8	588.9	589.8	591.6	593.5	591.6
7.5°	605.5	604.5	602.7	599.0	599.0	597.2	595.3	596.3	598.1	599.0	598.1
10°	615.6	614.7	611.9	608.2	608.2	606.4	602.7	602.7	602.7	601.8	600.9
12.5°	626.7	625.7	623.0	619.3	622.1	619.3	616.5	615.6	612.8	611.0	610.1
15°	644.2	643.3	640.5	637.7	645.1	641.4	636.8	632.2	630.3	628.5	626.7
17.5°	665.4	664.4	662.6	660.8	670.0	670.0	661.7	653.4	654.3	651.5	649.7
20°	690.3	689.3	687.5	689.3	699.5	698.5	687.5	677.3	681.0	675.5	673.7
22.5°	721.6	719.7	717.0	719.7	734.5	731.7	717.9	708.7	711.4	708.7	706.8
25°	755.7	752.0	748.3	752.0	776.0	770.4	756.6	745.5	751.1	749.2	748.3
27.5°	788.9	785.2	782.4	779.6	816.5	815.6	797.2	786.1	792.5	793.5	794.4
30°	821.1	820.2	815.6	811.9	851.5	864.4	833.1	828.5	833.1	838.6	840.5
32.5°	864.4	862.6	858.0	851.5	878.2	909.6	874.6	878.2	885.6	896.7	895.8
35°	922.5	917.9	911.4	905.0	921.6	946.4	930.8	938.2	951.1	964.0	962.1
37.5°	984.2	983.3	976.9	961.2	979.6	1001.7	997.1	1011.0	1033.1	1058.9	1055.2
40°	1072.7	1073.6	1059.8	1039.5	1055.2	1091.1	1095.7	1124.3	1163.0	1199.9	1200.8
42.5°	1211.9	1209.1	1199.0	1170.4	1180.5	1207.2	1229.4	1273.6	1321.5	1359.3	1364.8
45°	1384.2	1380.5	1360.2	1315.1	1312.3	1331.7	1363.9	1421.0	1479.1	1516.0	1518.7
47.5°	1581.4	1568.5	1537.2	1478.2	1457.0	1466.2	1499.4	1563.0	1622.9	1663.4	1660.7
50°	1775.9	1776.8	1739.0	1661.6	1619.2	1619.2	1638.5	1704.9	1765.7	1803.5	1804.4
52.5°	1995.2	1986.9	1950.0	1856.9	1787.8	1768.5	1774.9	1837.6	1900.3	1940.8	1940.8
55°	2216.4	2208.1	2172.1	2068.9	1979.5	1923.3	1916.8	1975.8	2044.0	2082.7	2087.3
57.5°	2444.0	2438.5	2400.7	2288.2	2176.7	2087.3	2072.6	2139.9	2211.7	2250.5	2253.2
60°	2680.8	2673.5	2635.7	2548.1	2411.7	2299.3	2271.7	2339.8	2425.6	2476.2	2473.5
62.5°	2956.4	2947.2	2917.7	2805.2	2708.5	2586.8	2532.5	2610.8	2713.1	2772.1	2776.7
65°	3177.5	3181.2	3208.9	3192.3	3102.0	2969.3	2914.9	3040.2	3099.2	3109.4	3102.0
67.5°	3119.5	3133.3	3194.1	3331.4	3494.6	3582.1	3368.3	3218.1	3105.7	3040.2	3031.0
70°	2868.8	2879.0	3024.6	3249.4	3681.6	3830.9	3560.9	3071.6	2835.6	2734.3	2722.3
71°	2721.4	2762.8	2913.1	3214.4	3682.6	3854.0	3576.6	2996.9	2740.7	2570.2	2551.8
72.5°	2496.5	2532.5	2721.4	3082.6	3629.1	3754.4	3410.7	2821.8	2525.1	2383.2	2336.2
75°	2035.7	2102.1	2268.9	2744.4	3384.9	3490.0	3114.0	2489.1	2171.2	2017.3	2005.3
77.5°	1447.8	1492.9	1745.4	2258.7	2984.0	3082.6	2752.7	2092.9	1756.5	1613.7	1598.0
80°	804.5	849.7	1116.0	1587.9	2303.9	2403.4	2106.7	1528.9	1193.4	1041.4	978.7
82.5°	360.3	387.1	583.3	940.9	1478.2	1607.2	1280.0	840.5	575.1	407.3	374.2
85°	125.3	139.2	232.2	426.7	756.6	698.5	438.7	210.1	73.7	35.9	33.2
87.5°	24.0	26.7	50.7	118.9	123.5	57.1	18.4	13.8	13.8	14.7	14.7
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)