

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: P233822

Luminaire Tested: **VERD-G-C029-D-U-T1-7030**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P233822
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1710-389-18)
Test Lab: INNOVATION CENTER(G2)
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: VERD-G-C029-D-U-T1-7030
Description: VERDEON-G ROADWAY AND AREA LUMINAIRE
(2) 70 CRI, 3000K, 1040mA LEDS AND TYPE I OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 16167 lumens
Efficiency: N/A
Efficacy: 133.6 lumens/watt
Luminous Opening: Rectangular (W 0.79' x L: 1.25' x H: 0')
IES Classification: Type V - Short - Full Cutoff
BUG Rating: B4 - U0 - G2

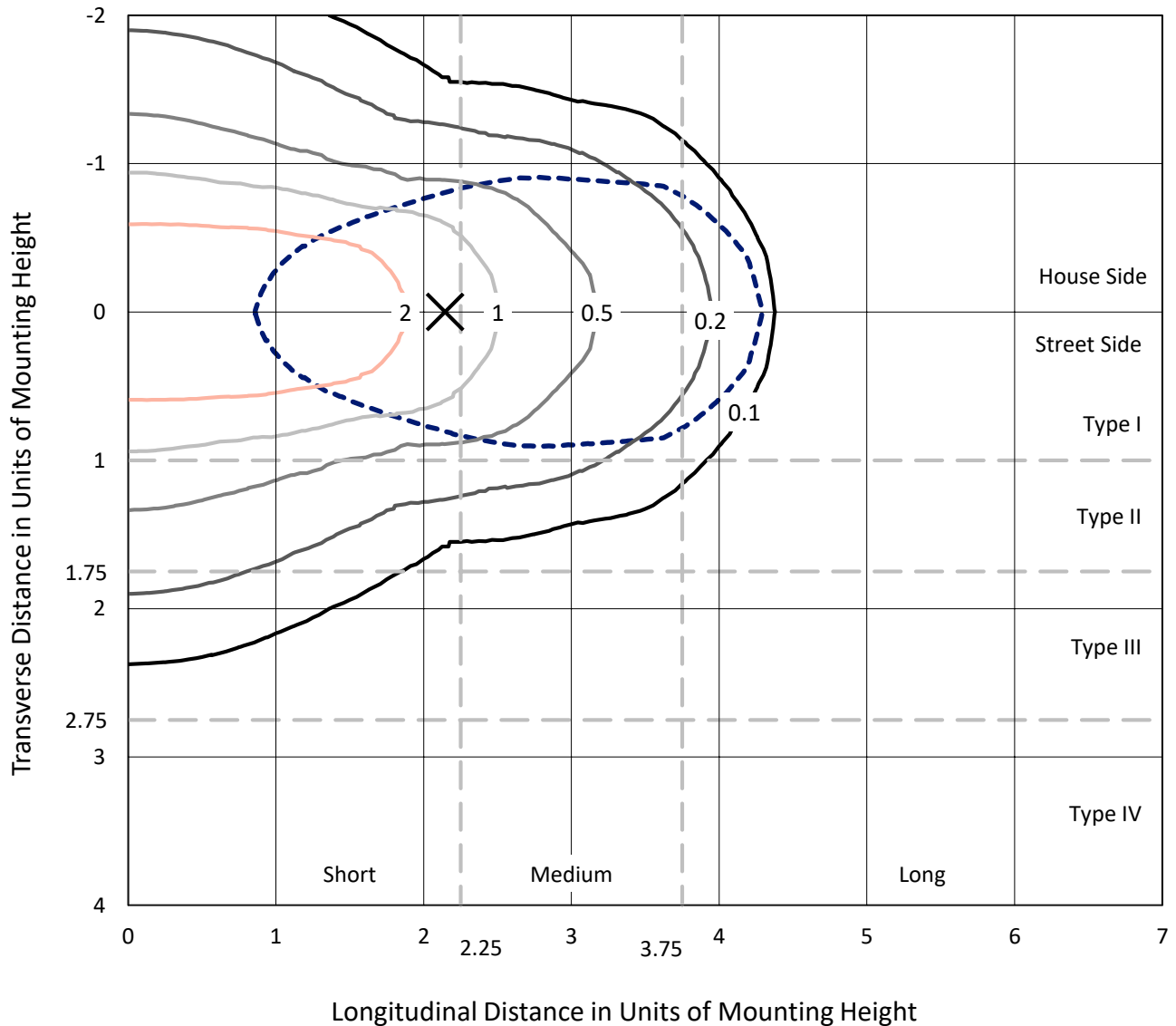
Input Watts (W): 121
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P233822
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Iso-Footcandle Lines of Horizontal Illumination

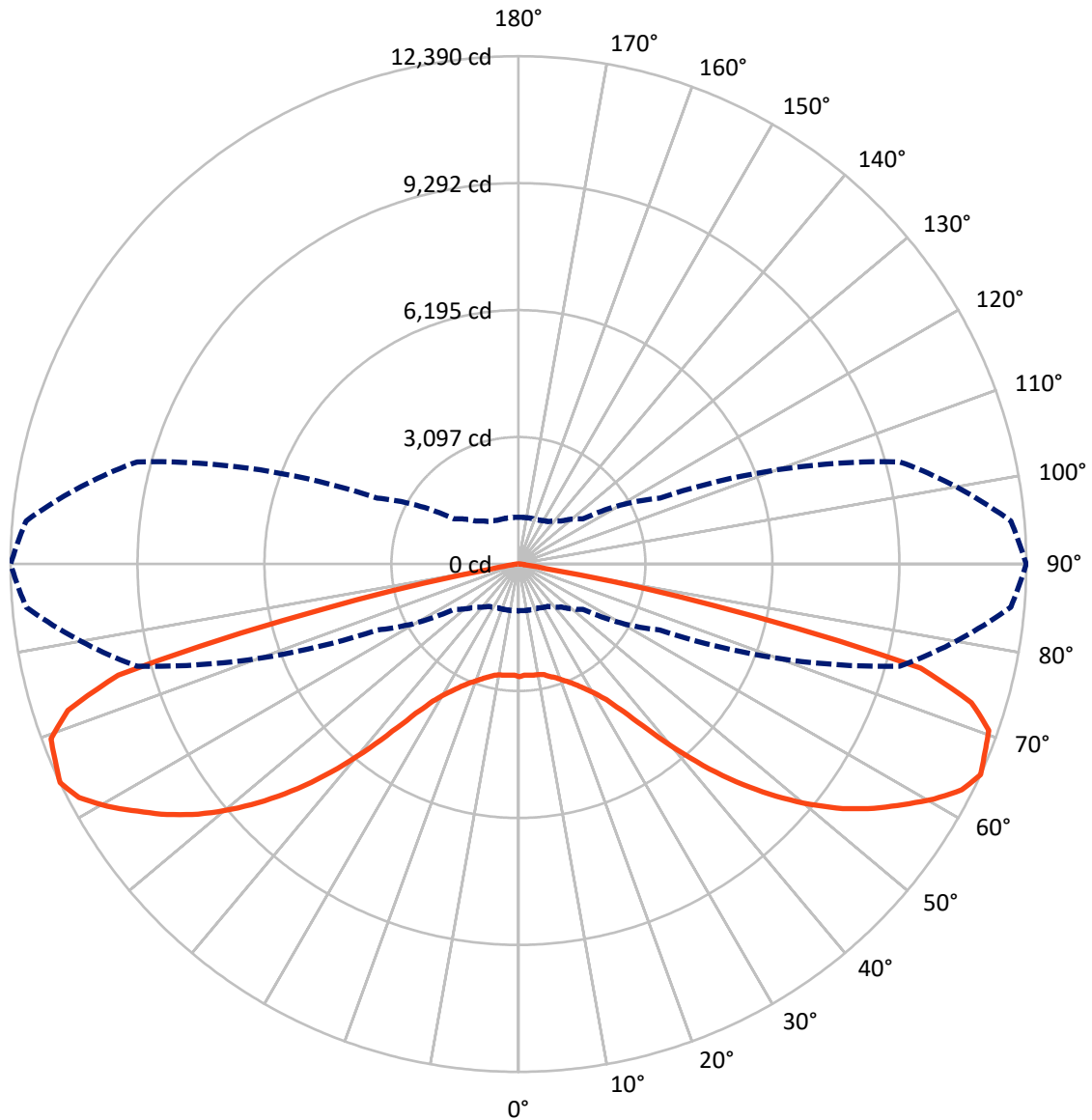
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4.4 fc
 Type V - Short - Full Cutoff

REPORT NUMBER: P233822
CATALOG NUMBER: VERD-G-C029-D-U-T1-7030

Luminous Intensity Polar Plot



— Vertical Plane Through 90-Deg Lateral - - - Horizontal Cone Through 65-Deg Vertical

REPORT NUMBER: P233822

CATALOG NUMBER: VERD-G-C029-D-U-T1-7030

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	8083.5	0.0	8083.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	8083.5	0.0	8083.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	16167.0	0.0	16167.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	260.6	1.6
10°-20°	769.9	4.8
20°-30°	1262.4	7.8
30°-40°	1825.4	11.3
40°-50°	2672.9	16.5
50°-60°	3467.4	21.4
60°-70°	3667.0	22.7
70°-80°	2152.7	13.3
80°-90°	88.7	0.5
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°	16167.0	100.0
0°-180°	16167.0	100.0



REPORT NUMBER: P233822

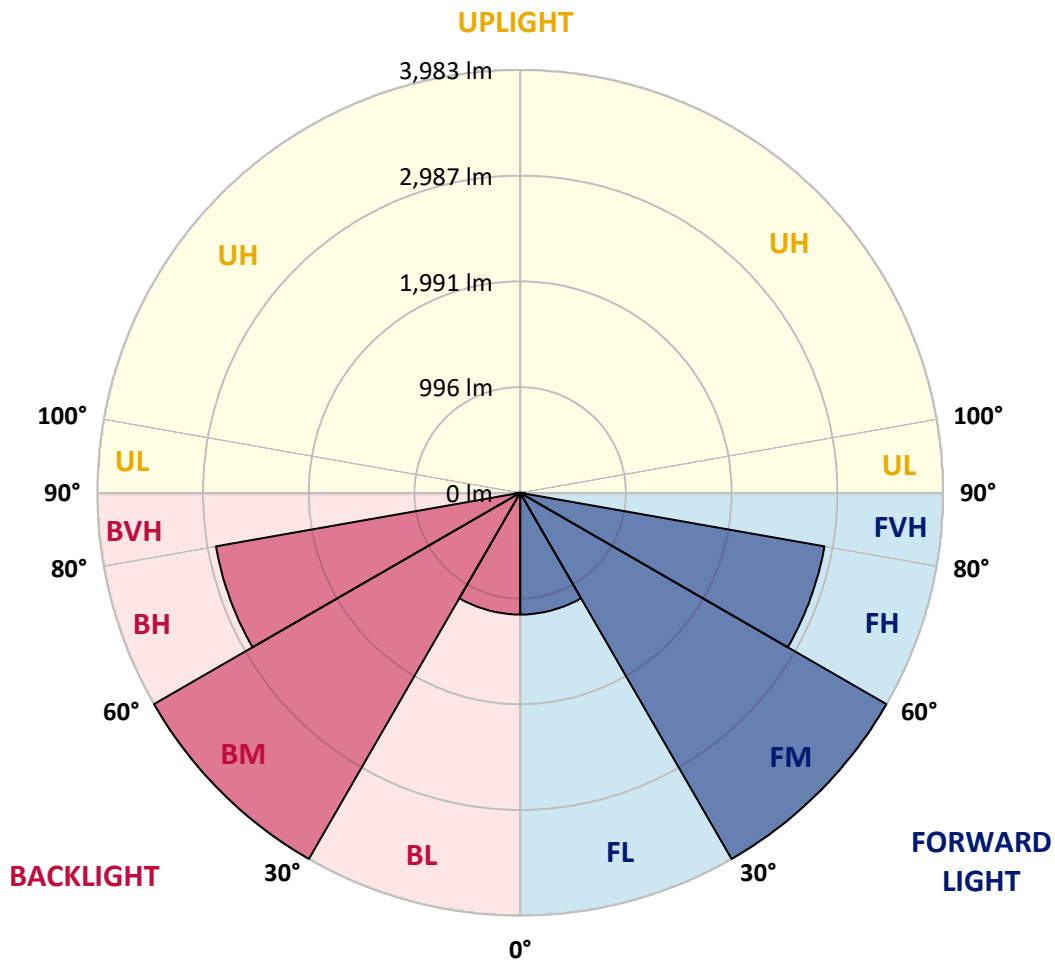
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1146.4	7.1			
FM	(30°-60°)	3982.9	24.6			
FH	(60°-80°)	2909.9	18.0			G2/5000
FVH	(80°-90°)	44.3	0.3			G1/100
BL	(0°-30°)	1146.4	7.1	B3/2500		
BM	(30°-60°)	3982.9	24.6	B3/5000		
BH	(60°-80°)	2909.9	18.0	B4/5000		G2/5000
BVH	(80°-90°)	44.3	0.3			G1/100
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°	2751.8	2751.8	2751.8	2751.8	2751.8	2751.8	2751.8	2751.8	2751.8	2751.8	2751.8
2.5°	2778.3	2775.5	2760.1	2737.8	2730.8	2736.4	2735.0	2728.0	2728.0	2730.8	2712.7
5°	2761.5	2757.3	2739.2	2733.6	2735.0	2742.0	2740.6	2735.0	2737.8	2735.0	2721.1
7.5°	2732.2	2728.0	2716.9	2714.1	2711.3	2722.5	2733.6	2740.6	2749.0	2744.8	2735.0
10°	2704.3	2695.9	2697.3	2683.4	2689.0	2709.9	2721.1	2733.6	2746.2	2744.8	2742.0
12.5°	2662.4	2654.1	2658.3	2654.1	2673.6	2698.7	2732.2	2755.9	2769.9	2765.7	2769.9
15°	2610.8	2608.0	2615.0	2620.6	2655.5	2712.7	2749.0	2800.6	2831.3	2832.7	2842.5
17.5°	2552.2	2546.6	2559.2	2580.1	2644.3	2707.1	2797.8	2855.0	2899.7	2906.6	2915.0
20°	2453.1	2455.9	2475.5	2511.7	2602.4	2715.5	2827.1	2913.6	2977.8	2994.6	3012.7
22.5°	2328.9	2335.9	2372.2	2447.6	2564.8	2705.7	2859.2	2982.0	3074.1	3111.8	3122.9
25°	2199.2	2210.3	2268.9	2369.4	2521.5	2701.5	2899.7	3061.5	3192.7	3252.7	3259.7
27.5°	2083.4	2093.1	2168.5	2296.9	2481.0	2702.9	2935.9	3157.8	3335.0	3422.9	3436.9
30°	1966.1	1977.3	2055.4	2214.5	2440.6	2700.1	2977.8	3266.7	3505.3	3630.9	3651.8
32.5°	1865.7	1876.8	1957.8	2123.8	2390.3	2695.9	3028.0	3399.2	3710.4	3914.1	3942.0
35°	1780.5	1793.1	1875.4	2038.7	2326.2	2697.3	3100.6	3580.6	4028.6	4364.9	4419.3
37.5°	1709.4	1721.9	1794.5	1959.2	2260.6	2686.2	3188.5	3809.5	4450.0	5006.7	5107.2
40°	1664.7	1675.9	1730.3	1876.8	2181.0	2661.1	3290.4	4063.4	4964.9	5777.0	5952.8
42.5°	1618.7	1631.2	1675.9	1801.5	2095.9	2623.4	3379.7	4318.8	5502.1	6585.0	6836.1
45°	1568.4	1576.8	1625.7	1738.7	2012.2	2564.8	3457.8	4563.0	6065.9	7405.5	7677.6
47.5°	1526.6	1530.8	1571.2	1675.9	1924.3	2478.3	3478.8	4772.3	6635.2	8203.6	8470.2
50°	1498.7	1491.7	1529.4	1620.1	1841.9	2358.2	3442.5	4928.6	7247.8	8965.5	9218.1
52.5°	1455.4	1454.0	1483.3	1565.7	1763.8	2220.1	3312.7	5004.0	7860.4	9678.6	9913.0
55°	1414.9	1414.9	1438.7	1502.9	1681.5	2077.8	3090.8	4973.3	8447.8	10354.0	10525.6
57.5°	1356.3	1354.9	1374.5	1433.1	1585.2	1943.8	2810.4	4830.9	8925.1	10979.1	11072.6
60°	1299.1	1297.7	1308.9	1353.6	1493.1	1800.1	2510.3	4551.8	9398.1	11531.7	11643.3
62.5°	1226.6	1225.2	1236.3	1275.4	1389.8	1646.6	2215.9	4211.4	9675.8	11849.8	12138.7
65°	1140.1	1141.4	1155.4	1180.5	1261.5	1481.9	1924.3	3805.3	9629.7	12056.4	12389.9
67.5°	1057.7	1053.5	1064.7	1068.9	1128.9	1308.9	1652.2	3483.0	9278.1	12092.7	12274.1
70°	955.9	950.3	950.3	933.5	975.4	1106.6	1396.8	3145.3	8279.0	11761.9	12175.0
72.5°	799.6	799.6	791.2	773.1	799.6	897.3	1163.8	2768.5	6707.8	11044.7	11556.8
75°	498.2	502.3	520.5	576.3	615.4	676.8	922.4	2333.1	5479.8	9188.8	10133.5
77.5°	255.4	260.9	267.9	269.3	279.1	291.6	439.6	1306.1	2785.2	4578.4	4883.9
80°	64.2	65.6	157.7	175.8	188.4	194.0	161.9	435.4	721.4	675.4	660.0
82.5°	43.3	46.0	90.7	111.6	103.3	78.1	89.3	132.6	107.4	146.5	164.7
85°	23.7	23.7	40.5	43.3	44.7	50.2	44.7	43.3	48.8	93.5	108.8
87.5°	11.2	11.2	16.7	20.9	20.9	25.1	20.9	22.3	22.3	43.3	50.2
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)