

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: P233818

Luminaire Tested: **VERD-G-C029-D-U-T1-8027**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P233818
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-T1-8027
Description: VERDEON-G ROADWAY AND AREA LUMINAIRE
(2) 80 CRI, 2700K, 1040mA LEDS AND TYPE I OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 14639 lumens
Efficiency: N/A
Efficacy: 121.0 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

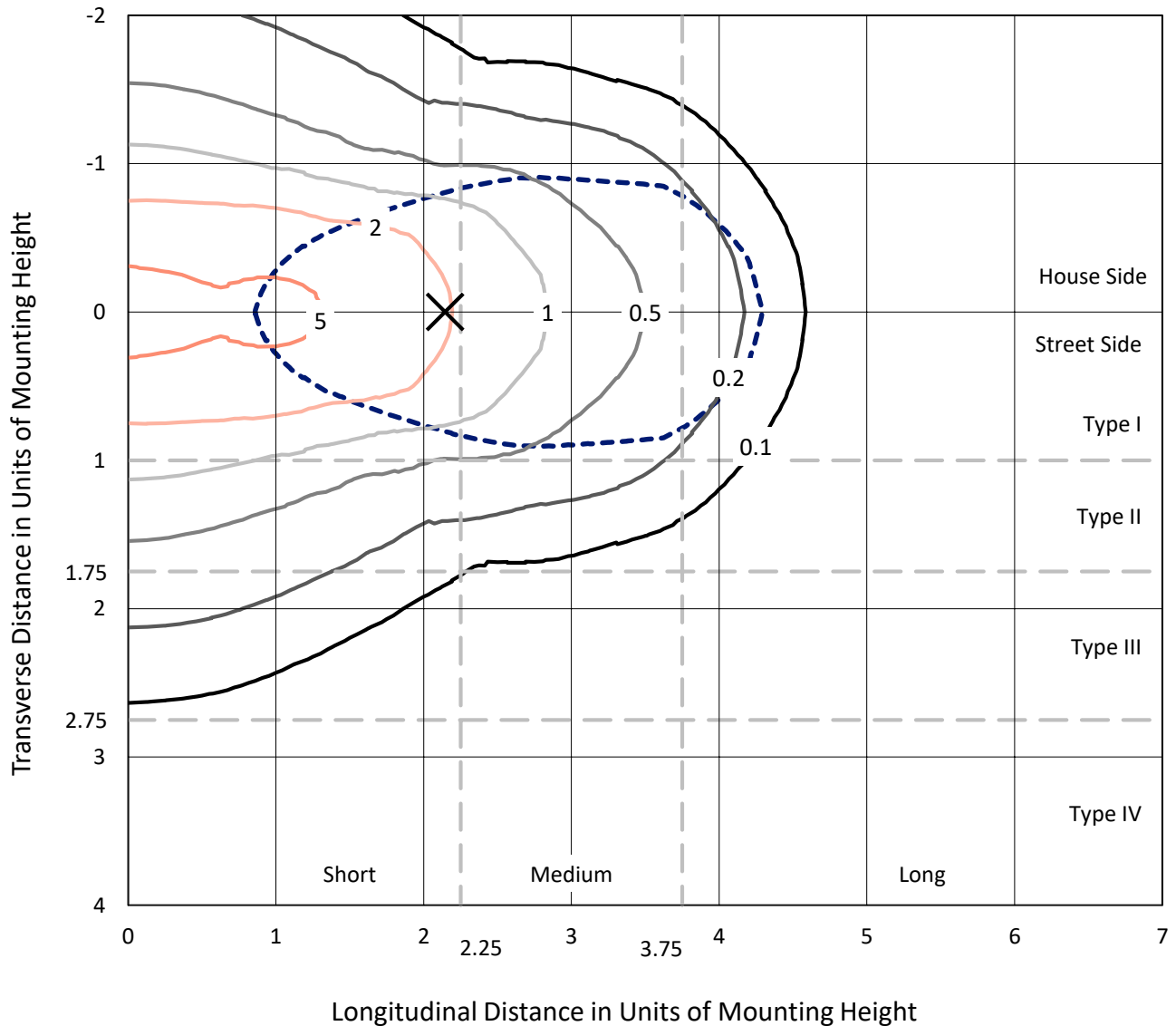
Input Watts (W): 121
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P233818
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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
 - - - 1/2 Max cd

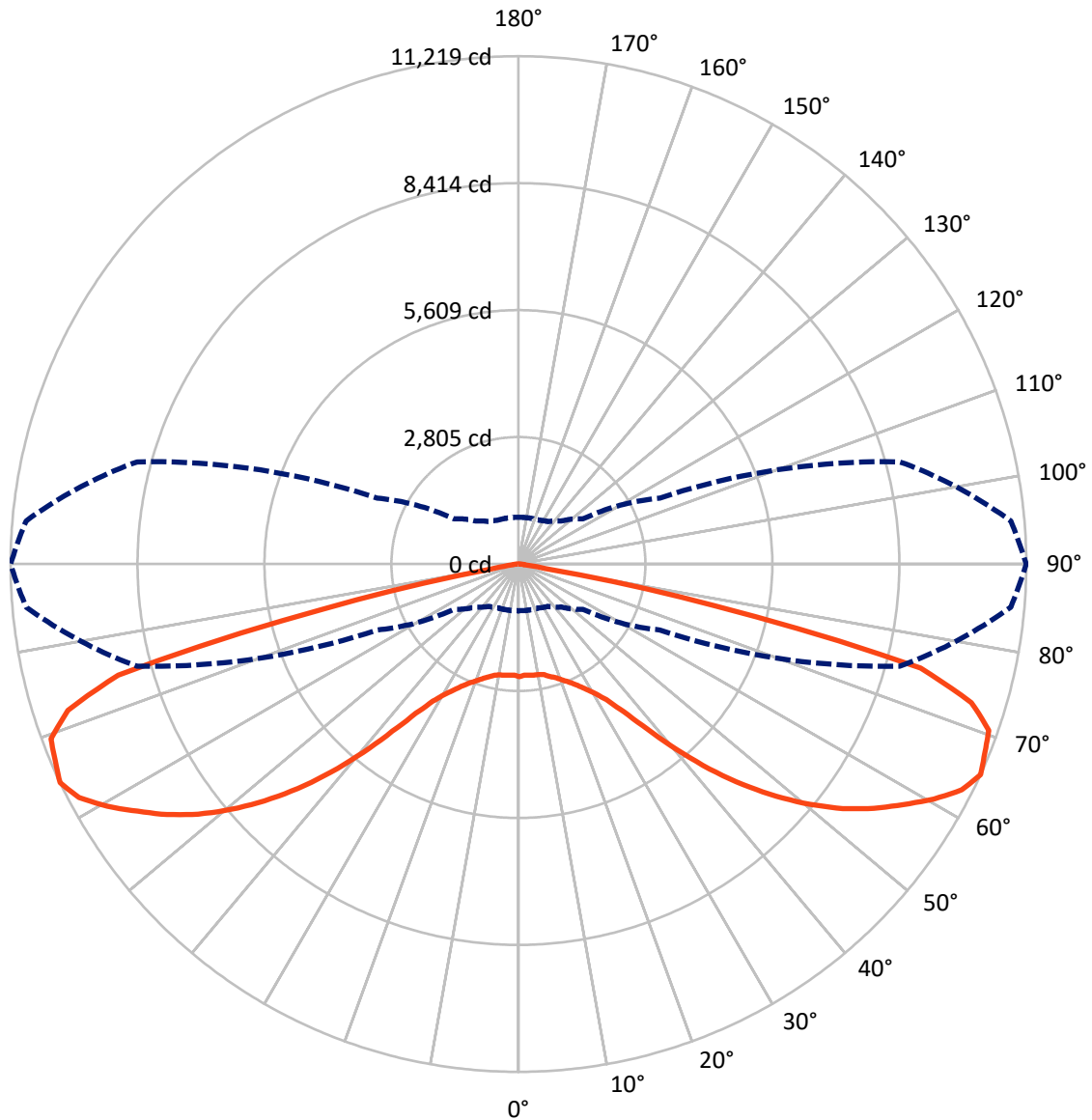


Based on 20 foot mounting height. Maximum calculated value = 6.2 fc
 Type V - Short - Full Cutoff

REPORT NUMBER: P233818

CATALOG NUMBER: VERD-G-C029-D-U-T1-8027

Luminous Intensity Polar Plot



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

REPORT NUMBER: P233818

CATALOG NUMBER: VERD-G-C029-D-U-T1-8027

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	7319.5	0.0	7319.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	7319.5	0.0	7319.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	14639.0	0.0	14639.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	236.0	1.6
10°-20°	697.1	4.8
20°-30°	1143.1	7.8
30°-40°	1652.9	11.3
40°-50°	2420.3	16.5
50°-60°	3139.7	21.4
60°-70°	3320.5	22.7
70°-80°	1949.2	13.3
80°-90°	80.3	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°	14639.0	100.0
0°-180°	14639.0	100.0



REPORT NUMBER: P233818

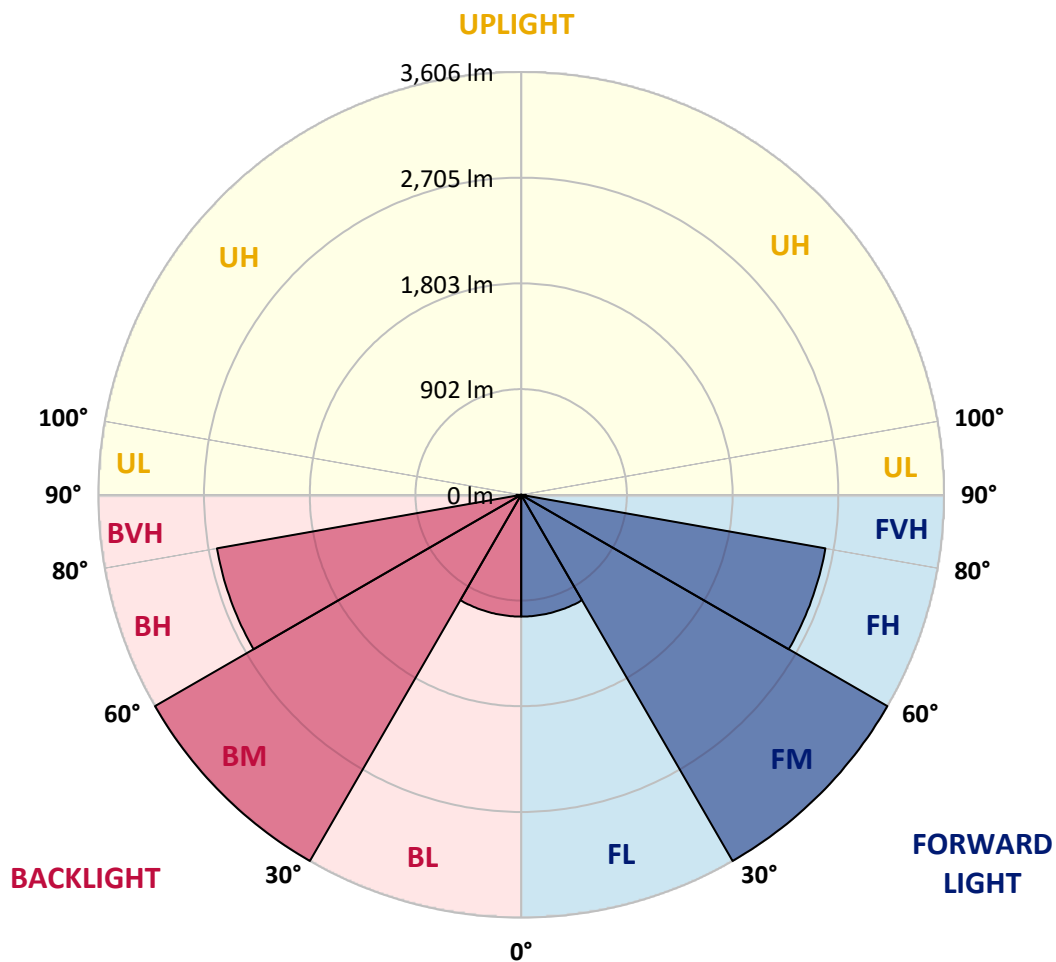
CATALOG NUMBER: VERD-G-C029-D-U-T1-8027

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1038.1	7.1			
FM (30°-60°)	3606.4	24.6			
FH (60°-80°)	2634.8	18.0			G2/5000
FVH (80°-90°)	40.1	0.3			G1/100
BL (0°-30°)	1038.1	7.1	B3/2500		
BM (30°-60°)	3606.4	24.6	B3/5000		
BH (60°-80°)	2634.8	18.0	B4/5000		G2/5000
BVH (80°-90°)	40.1	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





REPORT NUMBER: P233818

CATALOG NUMBER: VERD-G-C029-D-U-T1-8027

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	2491.7	2491.7	2491.7	2491.7	2491.7	2491.7	2491.7	2491.7	2491.7	2491.7	2491.7
2.5°	2515.7	2513.2	2499.3	2479.0	2472.7	2477.8	2476.5	2470.2	2470.2	2472.7	2456.3
5°	2500.5	2496.7	2480.3	2475.3	2476.5	2482.8	2481.6	2476.5	2479.0	2476.5	2463.9
7.5°	2474.0	2470.2	2460.1	2457.6	2455.0	2465.1	2475.3	2481.6	2489.1	2485.4	2476.5
10°	2448.7	2441.1	2442.4	2429.8	2434.8	2453.8	2463.9	2475.3	2486.6	2485.4	2482.8
12.5°	2410.8	2403.2	2407.0	2403.2	2420.9	2443.7	2474.0	2495.5	2508.1	2504.3	2508.1
15°	2364.1	2361.5	2367.9	2372.9	2404.5	2456.3	2489.1	2535.9	2563.7	2565.0	2573.8
17.5°	2311.0	2305.9	2317.3	2336.3	2394.4	2451.2	2533.4	2585.2	2625.6	2631.9	2639.5
20°	2221.3	2223.8	2241.5	2274.4	2356.5	2458.8	2559.9	2638.2	2696.4	2711.5	2728.0
22.5°	2108.8	2115.1	2148.0	2216.2	2322.4	2450.0	2589.0	2700.2	2783.6	2817.7	2827.8
25°	1991.3	2001.4	2054.5	2145.5	2283.2	2446.2	2625.6	2772.2	2891.0	2945.3	2951.6
27.5°	1886.4	1895.3	1963.5	2079.8	2246.6	2447.5	2658.5	2859.4	3019.8	3099.4	3112.1
30°	1780.3	1790.4	1861.2	2005.2	2209.9	2444.9	2696.4	2957.9	3174.0	3287.7	3306.7
32.5°	1689.3	1699.4	1772.7	1923.1	2164.4	2441.1	2741.9	3078.0	3359.7	3544.2	3569.5
35°	1612.3	1623.6	1698.2	1846.0	2106.3	2442.4	2807.6	3242.2	3647.8	3952.3	4001.6
37.5°	1547.8	1559.2	1624.9	1774.0	2046.9	2432.3	2887.2	3449.4	4029.4	4533.5	4624.5
40°	1507.4	1517.5	1566.8	1699.4	1974.9	2409.5	2979.4	3679.4	4495.6	5231.0	5390.2
42.5°	1465.7	1477.1	1517.5	1631.2	1897.8	2375.4	3060.3	3910.6	4982.1	5962.6	6190.0
45°	1420.2	1427.8	1472.0	1574.4	1822.0	2322.4	3131.0	4131.7	5492.6	6705.5	6951.9
47.5°	1382.3	1386.1	1422.7	1517.5	1742.4	2244.0	3150.0	4321.3	6008.1	7428.3	7669.6
50°	1357.0	1350.7	1384.8	1467.0	1667.9	2135.4	3117.1	4462.8	6562.8	8118.2	8346.9
52.5°	1317.9	1316.6	1343.1	1417.7	1597.1	2010.3	2999.6	4531.0	7117.5	8763.8	8976.1
55°	1281.2	1281.2	1302.7	1360.8	1522.6	1881.4	2798.7	4503.2	7649.4	9375.4	9530.8
57.5°	1228.1	1226.9	1244.6	1297.6	1435.4	1760.1	2544.7	4374.3	8081.5	9941.4	10026.1
60°	1176.3	1175.1	1185.2	1225.6	1352.0	1630.0	2273.1	4121.6	8509.9	10441.8	10542.9
62.5°	1110.6	1109.4	1119.5	1154.9	1258.5	1491.0	2006.5	3813.3	8761.3	10729.9	10991.4
65°	1032.3	1033.6	1046.2	1068.9	1142.2	1341.9	1742.4	3445.6	8719.6	10916.9	11218.9
67.5°	957.8	954.0	964.1	967.9	1022.2	1185.2	1496.0	3153.8	8401.2	10949.7	11114.0
70°	865.5	860.5	860.5	845.3	883.2	1002.0	1264.8	2848.0	7496.5	10650.3	11024.3
72.5°	724.0	724.0	716.4	700.0	724.0	812.4	1053.8	2506.8	6073.8	10000.8	10464.5
75°	451.1	454.9	471.3	521.8	557.2	612.8	835.2	2112.6	4961.9	8320.3	9175.7
77.5°	231.2	236.3	242.6	243.9	252.7	264.1	398.0	1182.7	2522.0	4145.6	4422.3
80°	58.1	59.4	142.8	159.2	170.6	175.6	146.6	394.2	653.2	611.5	597.6
82.5°	39.2	41.7	82.1	101.1	93.5	70.8	80.9	120.0	97.3	132.7	149.1
85°	21.5	21.5	36.6	39.2	40.4	45.5	40.4	39.2	44.2	84.7	98.6
87.5°	10.1	10.1	15.2	19.0	19.0	22.7	19.0	20.2	20.2	39.2	45.5
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)