

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: P233827

Luminaire Tested: **VERD-G-C02-D-U-T1**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P233827
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-C02-D-U-T1
Description: VERDEON-G ROADWAY AND AREA LUMINAIRE
(2) 70 CRI, 4000K, 1175mA LEDS AND TYPE I OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 18327 lumens
Efficiency: N/A
Efficacy: 132.8 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

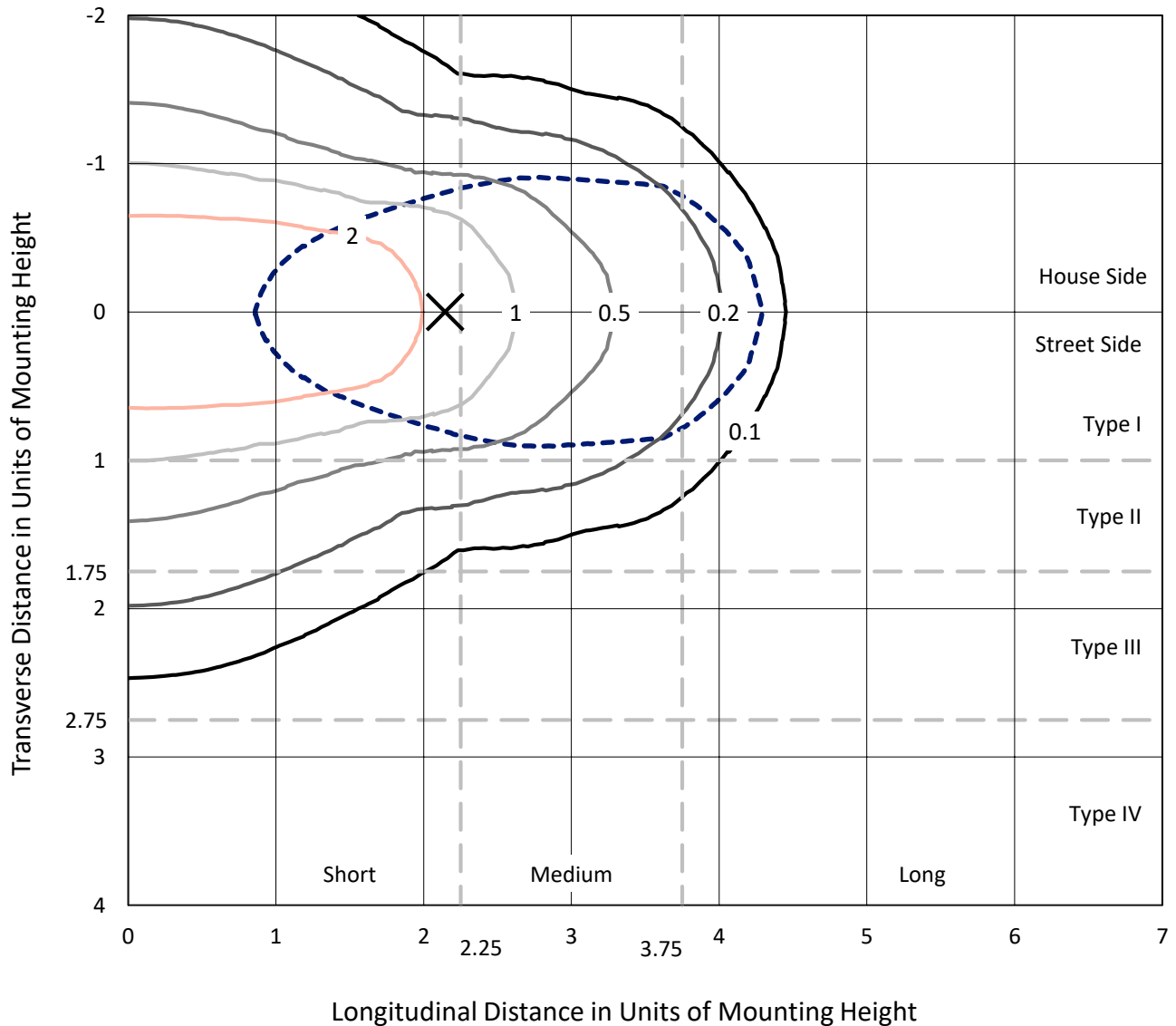
Input Watts (W): 138
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

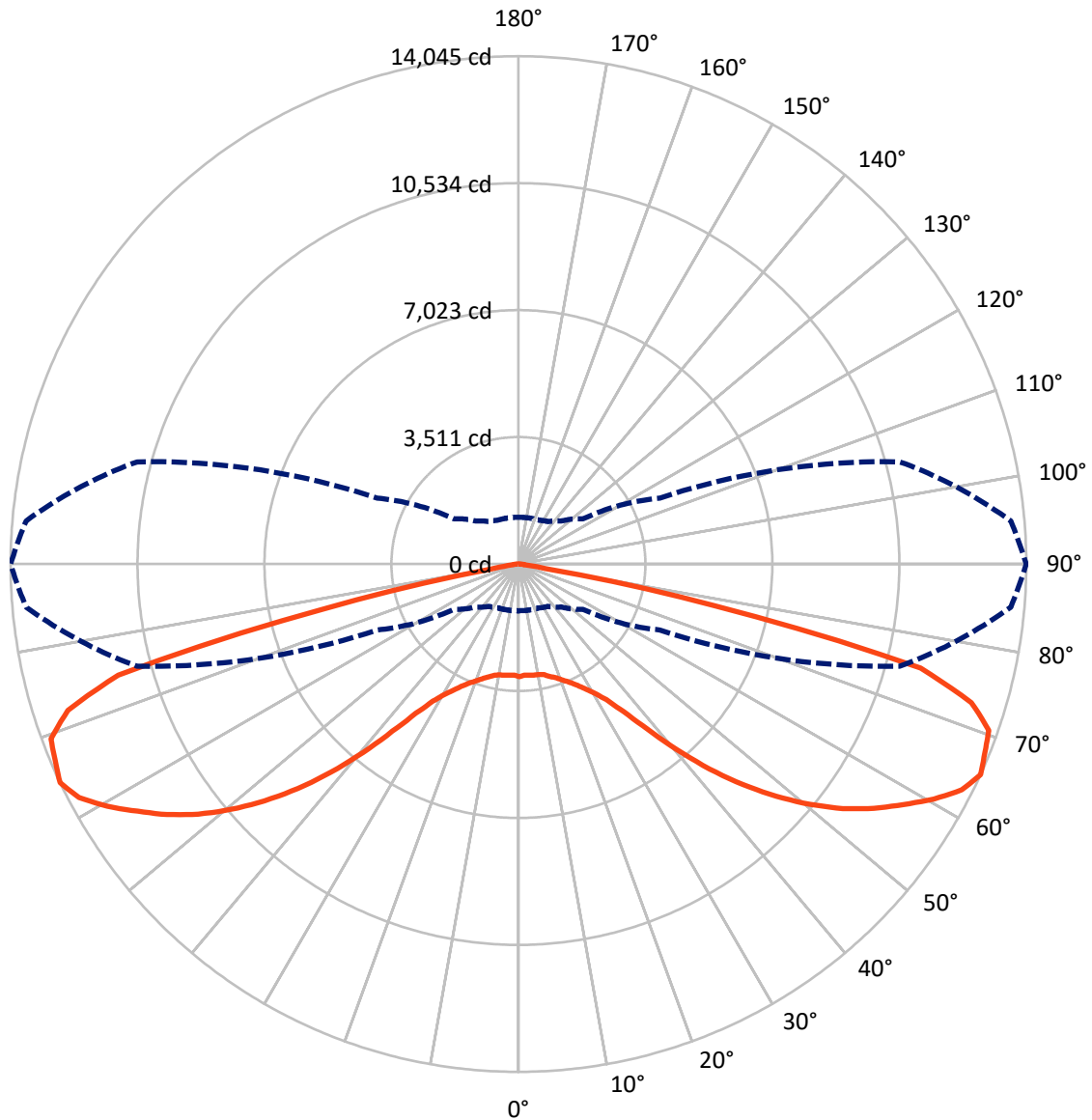


Based on 25 foot mounting height. Maximum calculated value = 5 fc
 Type V - Short - Full Cutoff

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Luminous Intensity Polar Plot



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

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	9163.5	0.0	9163.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	9163.5	0.0	9163.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	18327.0	0.0	18327.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	295.4	1.6
10°-20°	872.7	4.8
20°-30°	1431.1	7.8
30°-40°	2069.3	11.3
40°-50°	3030.0	16.5
50°-60°	3930.7	21.4
60°-70°	4157.0	22.7
70°-80°	2440.3	13.3
80°-90°	100.5	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°	18327.0	100.0
0°-180°	18327.0	100.0



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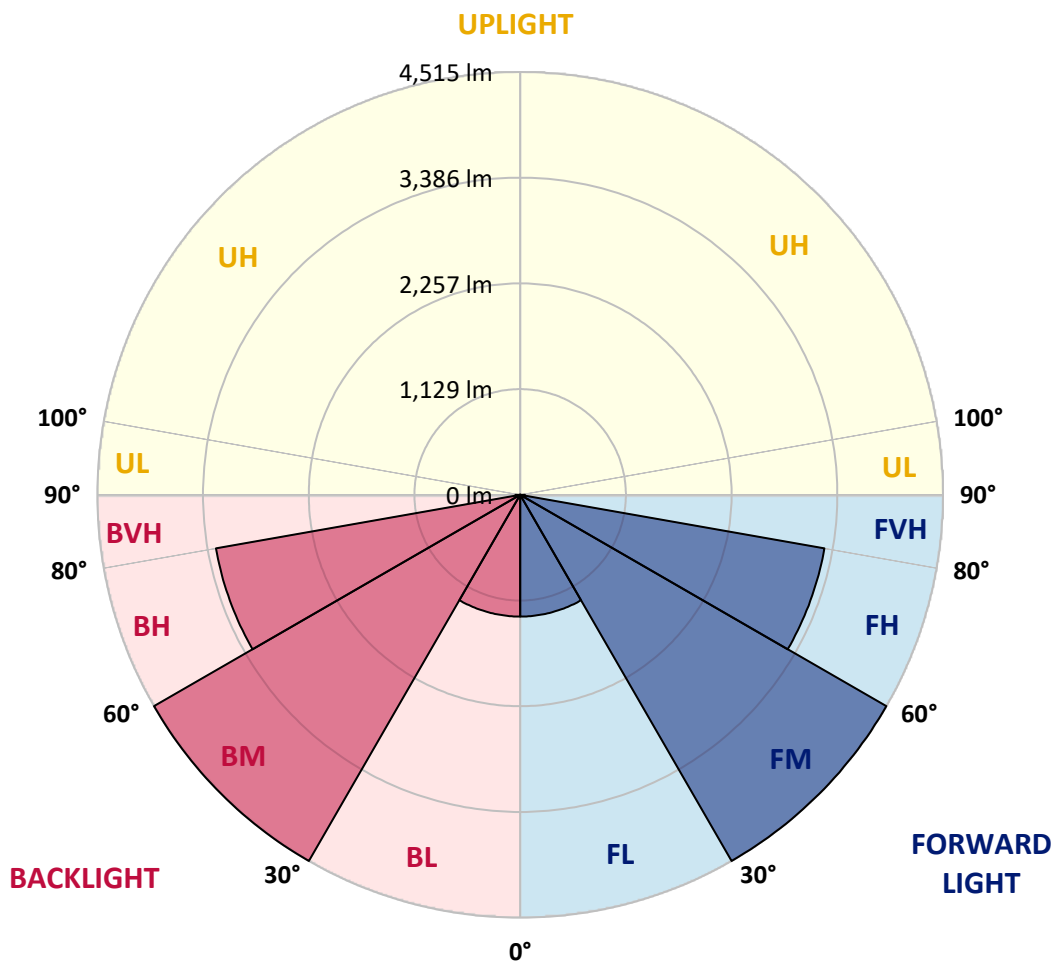
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1299.6	7.1			
FM (30°-60°)	4515.0	24.6			
FH (60°-80°)	3298.6	18.0			G2/5000
FVH (80°-90°)	50.3	0.3			G1/100
BL (0°-30°)	1299.6	7.1	B3/2500		
BM (30°-60°)	4515.0	24.6	B3/5000		
BH (60°-80°)	3298.6	18.0	B4/5000		G2/5000
BVH (80°-90°)	50.3	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°	3119.4	3119.4	3119.4	3119.4	3119.4	3119.4	3119.4	3119.4	3119.4	3119.4	3119.4
2.5°	3149.5	3146.3	3128.9	3103.6	3095.7	3102.0	3100.4	3092.5	3092.5	3095.7	3075.1
5°	3130.5	3125.7	3105.2	3098.8	3100.4	3108.3	3106.7	3100.4	3103.6	3100.4	3084.6
7.5°	3097.3	3092.5	3079.9	3076.7	3073.5	3086.2	3098.8	3106.7	3116.2	3111.5	3100.4
10°	3065.6	3056.1	3057.7	3041.9	3048.2	3071.9	3084.6	3098.8	3113.1	3111.5	3108.3
12.5°	3018.2	3008.7	3013.4	3008.7	3030.8	3059.3	3097.3	3124.2	3140.0	3135.2	3140.0
15°	2959.6	2956.5	2964.4	2970.7	3010.3	3075.1	3116.2	3174.8	3209.6	3211.2	3222.2
17.5°	2893.2	2886.9	2901.1	2924.8	2997.6	3068.8	3171.6	3236.5	3287.1	3295.0	3304.5
20°	2780.9	2784.1	2806.2	2847.3	2950.1	3078.3	3204.8	3302.9	3375.7	3394.6	3415.2
22.5°	2640.1	2648.0	2689.1	2774.6	2907.4	3067.2	3241.2	3380.4	3484.8	3527.5	3540.2
25°	2493.0	2505.6	2572.1	2686.0	2858.4	3062.5	3287.1	3470.6	3619.3	3687.3	3695.2
27.5°	2361.7	2372.8	2458.2	2603.7	2812.5	3064.0	3328.2	3579.7	3780.6	3880.3	3896.1
30°	2228.8	2241.5	2330.1	2510.4	2766.7	3060.9	3375.7	3703.1	3973.6	4116.0	4139.7
32.5°	2114.9	2127.6	2219.3	2407.6	2709.7	3056.1	3432.6	3853.4	4206.1	4437.1	4468.7
35°	2018.4	2032.7	2126.0	2311.1	2636.9	3057.7	3514.9	4059.0	4566.8	4948.0	5009.7
37.5°	1937.8	1952.0	2034.3	2220.9	2562.6	3045.1	3614.5	4318.4	5044.5	5675.7	5789.6
40°	1887.1	1899.8	1961.5	2127.6	2472.4	3016.6	3730.0	4606.3	5628.2	6548.9	6748.2
42.5°	1834.9	1849.2	1899.8	2042.2	2375.9	2973.9	3831.2	4895.8	6237.2	7464.7	7749.5
45°	1778.0	1787.5	1842.9	1971.0	2281.0	2907.4	3919.8	5172.6	6876.3	8394.9	8703.3
47.5°	1730.5	1735.3	1781.2	1899.8	2181.4	2809.4	3943.5	5409.9	7521.7	9299.7	9601.8
50°	1698.9	1691.0	1733.7	1836.5	2088.0	2673.3	3902.4	5587.1	8216.1	10163.4	10449.7
52.5°	1649.9	1648.3	1681.5	1774.8	1999.5	2516.7	3755.3	5672.5	8910.6	10971.7	11237.4
55°	1604.0	1604.0	1630.9	1703.7	1906.1	2355.4	3503.8	5637.7	9576.5	11737.3	11931.9
57.5°	1537.6	1536.0	1558.1	1624.6	1797.0	2203.5	3185.8	5476.4	10117.5	12446.0	12552.0
60°	1472.7	1471.1	1483.8	1534.4	1692.6	2040.6	2845.7	5160.0	10653.7	13072.4	13198.9
62.5°	1390.4	1388.9	1401.5	1445.8	1575.5	1866.6	2512.0	4774.0	10968.5	13433.1	13760.5
65°	1292.4	1294.0	1309.8	1338.2	1430.0	1679.9	2181.4	4313.7	10916.3	13667.2	14045.2
67.5°	1199.0	1194.3	1207.0	1211.7	1279.7	1483.8	1872.9	3948.3	10517.7	13708.3	13913.9
70°	1083.6	1077.2	1077.2	1058.3	1105.7	1254.4	1583.4	3565.5	9385.1	13333.4	13801.6
72.5°	906.4	906.4	896.9	876.3	906.4	1017.1	1319.3	3138.4	7603.9	12520.3	13100.9
75°	564.7	569.5	590.0	653.3	697.6	767.2	1045.6	2644.9	6211.9	10416.5	11487.4
77.5°	289.5	295.8	303.7	305.3	316.4	330.6	498.3	1480.6	3157.4	5190.0	5536.5
80°	72.8	74.3	178.7	199.3	213.5	219.9	183.5	493.5	817.8	765.6	748.2
82.5°	49.0	52.2	102.8	126.5	117.1	88.6	101.2	150.3	121.8	166.1	186.7
85°	26.9	26.9	45.9	49.0	50.6	56.9	50.6	49.0	55.4	106.0	123.4
87.5°	12.7	12.7	19.0	23.7	23.7	28.5	23.7	25.3	25.3	49.0	56.9
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)