

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: P233823

Luminaire Tested: **VERD-G-C02-D-U-T1-7030**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P233823
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-T1-7030
Description: VERDEON-G ROADWAY AND AREA LUMINAIRE
(2) 70 CRI, 3000K, 1175mA LEDS AND TYPE I OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 17835 lumens
Efficiency: N/A
Efficacy: 129.2 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

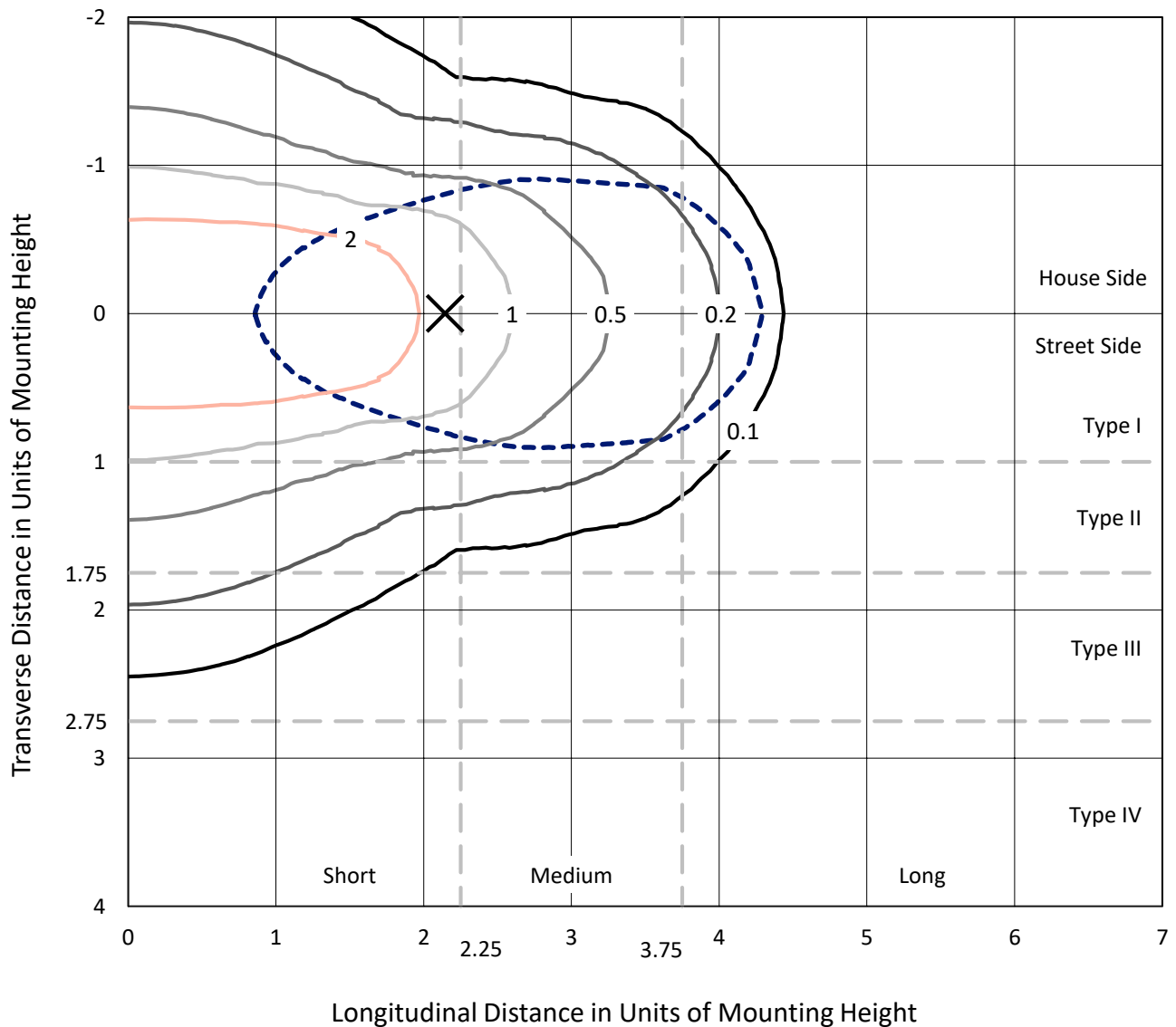


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

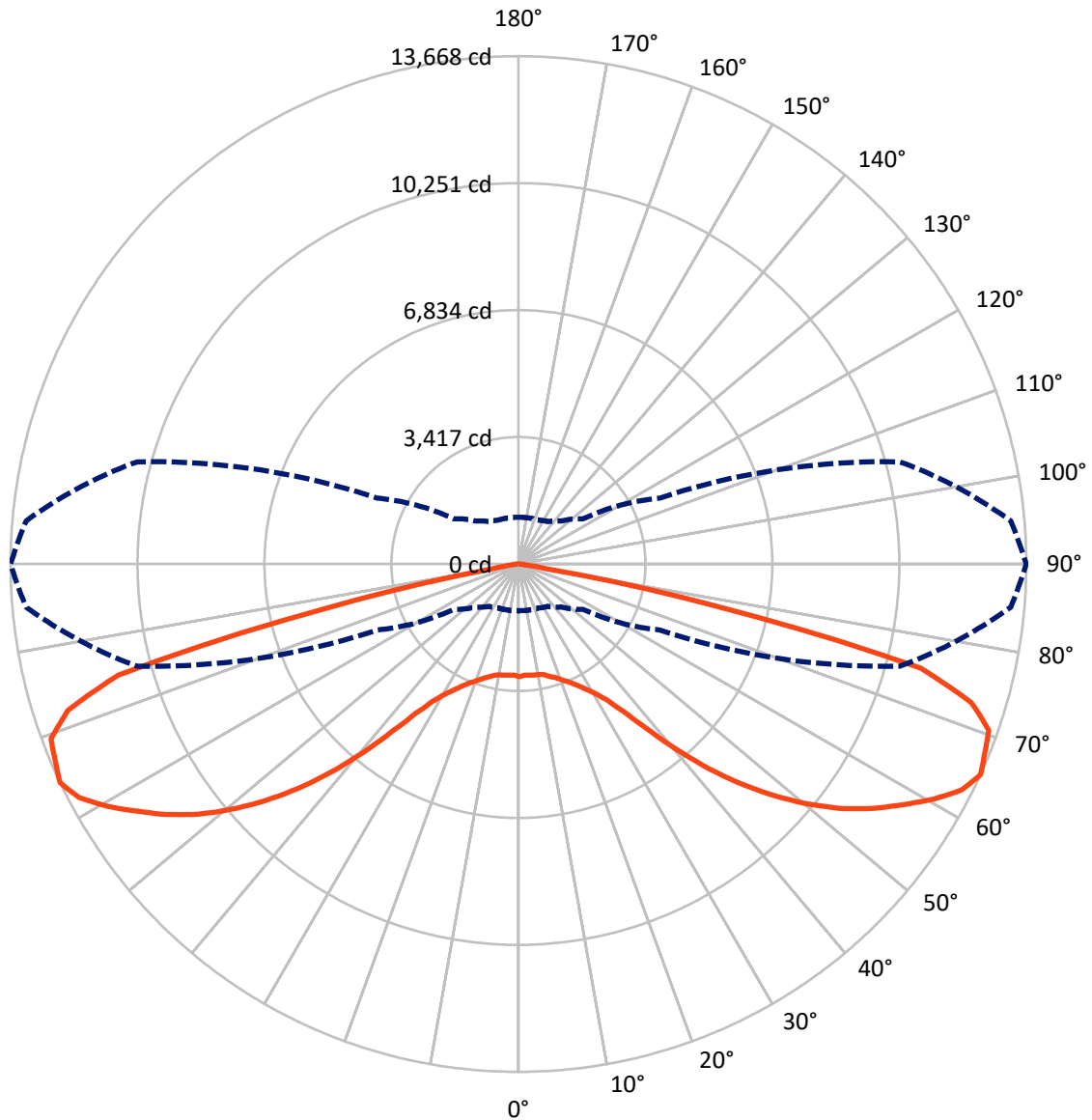


Based on 25 foot mounting height. Maximum calculated value = 4.9 fc
 Type V - Short - Full Cutoff

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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	8917.5	0.0	8917.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	8917.5	0.0	8917.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	17835.0	0.0	17835.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	287.5	1.6
10°-20°	849.3	4.8
20°-30°	1392.6	7.8
30°-40°	2013.7	11.3
40°-50°	2948.7	16.5
50°-60°	3825.2	21.4
60°-70°	4045.4	22.7
70°-80°	2374.8	13.3
80°-90°	97.8	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°	17835.0	100.0
0°-180°	17835.0	100.0



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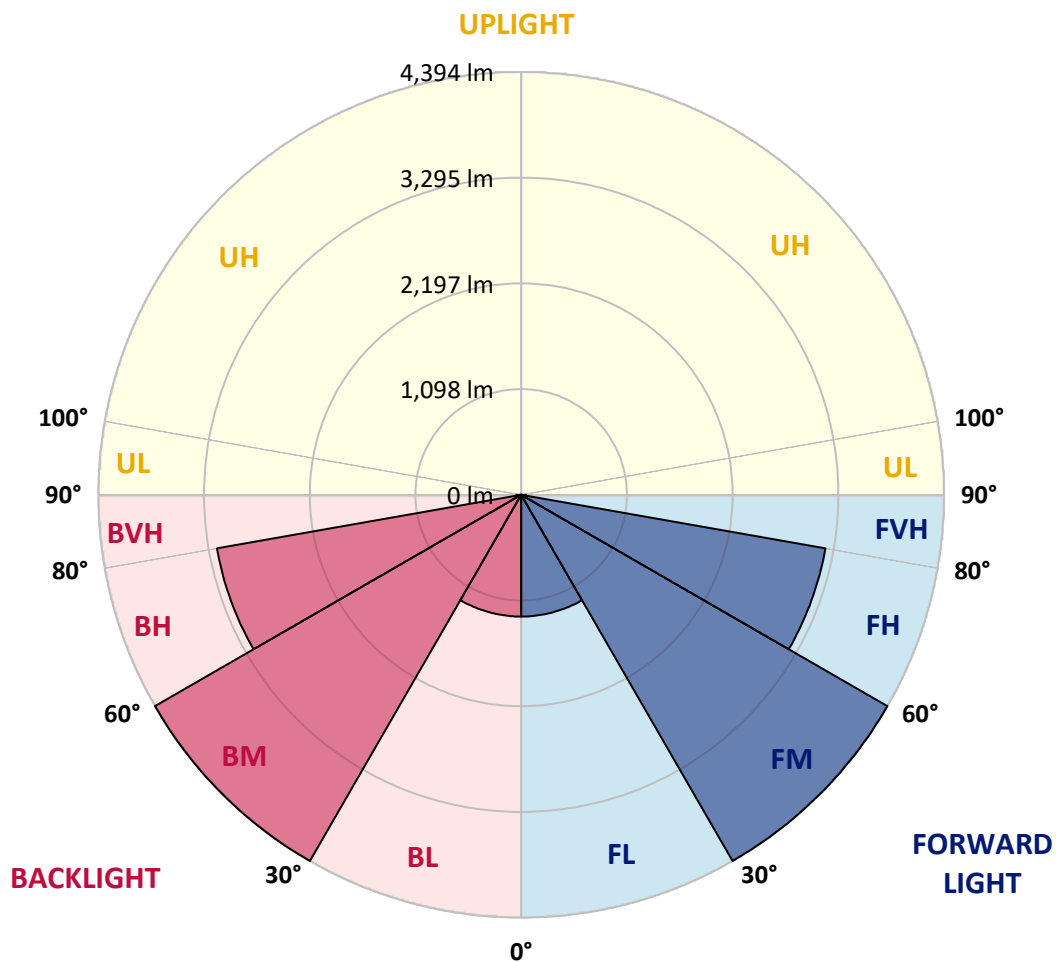
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1264.7	7.1			
FM (30°-60°)	4393.8	24.6			
FH (60°-80°)	3210.1	18.0			G2/5000
FVH (80°-90°)	48.9	0.3			G1/100
BL (0°-30°)	1264.7	7.1	B3/2500		
BM (30°-60°)	4393.8	24.6	B3/5000		
BH (60°-80°)	3210.1	18.0	B4/5000		G2/5000
BVH (80°-90°)	48.9	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°	3035.7	3035.7	3035.7	3035.7	3035.7	3035.7	3035.7	3035.7	3035.7	3035.7	3035.7
2.5°	3064.9	3061.8	3044.9	3020.3	3012.6	3018.7	3017.2	3009.5	3009.5	3012.6	2992.6
5°	3046.4	3041.8	3021.8	3015.7	3017.2	3024.9	3023.3	3017.2	3020.3	3017.2	3001.8
7.5°	3014.1	3009.5	2997.2	2994.1	2991.0	3003.3	3015.7	3023.3	3032.6	3028.0	3017.2
10°	2983.3	2974.1	2975.6	2960.2	2966.4	2989.5	3001.8	3015.7	3029.5	3028.0	3024.9
12.5°	2937.1	2927.9	2932.5	2927.9	2949.5	2977.2	3014.1	3040.3	3055.7	3051.1	3055.7
15°	2880.2	2877.1	2884.8	2891.0	2929.4	2992.6	3032.6	3089.5	3123.4	3124.9	3135.7
17.5°	2815.5	2809.4	2823.2	2846.3	2917.1	2986.4	3086.5	3149.6	3198.8	3206.5	3215.8
20°	2706.2	2709.3	2730.9	2770.9	2870.9	2995.6	3118.8	3214.2	3285.0	3303.5	3323.5
22.5°	2569.2	2576.9	2617.0	2700.1	2829.4	2984.9	3154.2	3289.7	3391.3	3432.8	3445.1
25°	2426.1	2438.4	2503.0	2613.9	2781.7	2980.2	3198.8	3377.4	3522.1	3588.3	3596.0
27.5°	2298.3	2309.1	2392.2	2533.8	2737.0	2981.8	3238.9	3483.6	3679.1	3776.1	3791.5
30°	2169.0	2181.3	2267.5	2443.0	2692.4	2978.7	3285.0	3603.7	3866.9	4005.5	4028.6
32.5°	2058.2	2070.5	2159.8	2342.9	2637.0	2974.1	3340.5	3749.9	4093.2	4318.0	4348.8
35°	1964.3	1978.1	2068.9	2249.0	2566.2	2975.6	3420.5	3950.1	4444.2	4815.2	4875.2
37.5°	1885.7	1899.6	1979.6	2161.3	2493.8	2963.3	3517.5	4202.5	4909.1	5523.3	5634.1
40°	1836.5	1848.8	1908.8	2070.5	2406.1	2935.6	3629.9	4482.7	5477.1	6373.0	6567.0
42.5°	1785.7	1799.5	1848.8	1987.3	2312.2	2894.0	3728.4	4764.4	6069.8	7264.3	7541.4
45°	1730.3	1739.5	1793.4	1918.1	2219.8	2829.4	3814.6	5033.8	6691.7	8169.5	8469.7
47.5°	1684.1	1688.7	1733.3	1848.8	2122.8	2733.9	3837.7	5264.7	7319.8	9050.0	9344.1
50°	1653.3	1645.6	1687.2	1787.2	2032.0	2601.6	3797.7	5437.1	7995.6	9890.5	10169.2
52.5°	1605.6	1604.0	1636.4	1727.2	1945.8	2449.2	3654.5	5520.2	8671.3	10677.2	10935.8
55°	1560.9	1560.9	1587.1	1657.9	1855.0	2292.1	3409.7	5486.4	9319.4	11422.2	11611.6
57.5°	1496.3	1494.7	1516.3	1580.9	1748.7	2144.4	3100.3	5329.3	9845.9	12111.9	12215.0
60°	1433.2	1431.6	1443.9	1493.2	1647.1	1985.8	2769.3	5021.5	10367.7	12721.5	12844.6
62.5°	1353.1	1351.6	1363.9	1407.0	1533.2	1816.5	2444.5	4645.9	10674.1	13072.4	13391.1
65°	1257.7	1259.2	1274.6	1302.3	1391.6	1634.8	2122.8	4197.9	10623.3	13300.3	13668.2
67.5°	1166.9	1162.2	1174.5	1179.2	1245.4	1443.9	1822.6	3842.3	10235.4	13340.3	13540.4
70°	1054.5	1048.3	1048.3	1029.8	1076.0	1220.7	1540.9	3469.8	9133.2	12975.5	13431.1
72.5°	882.1	882.1	872.8	852.8	882.1	989.8	1283.8	3054.1	7399.8	12184.2	12749.2
75°	549.6	554.2	574.2	635.8	678.9	746.6	1017.5	2573.8	6045.2	10136.8	11179.0
77.5°	281.7	287.9	295.6	297.1	307.9	321.7	484.9	1440.9	3072.6	5050.7	5387.8
80°	70.8	72.4	174.0	194.0	207.8	214.0	178.6	480.3	795.9	745.1	728.1
82.5°	47.7	50.8	100.1	123.2	113.9	86.2	98.5	146.2	118.5	161.6	181.6
85°	26.2	26.2	44.6	47.7	49.3	55.4	49.3	47.7	53.9	103.1	120.1
87.5°	12.3	12.3	18.5	23.1	23.1	27.7	23.1	24.6	24.6	47.7	55.4
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)