

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: P233824

Luminaire Tested: **VERD-G-C02H-D-U-T1-7030**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P233824
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-C02H-D-U-T1-7030
Description: VERDEON-G ROADWAY AND AREA LUMINAIRE
(2) 70 CRI, 3000K, 1370mA LEDS AND TYPE I OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 19776 lumens
Efficiency: N/A
Efficacy: 127.6 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): 155
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

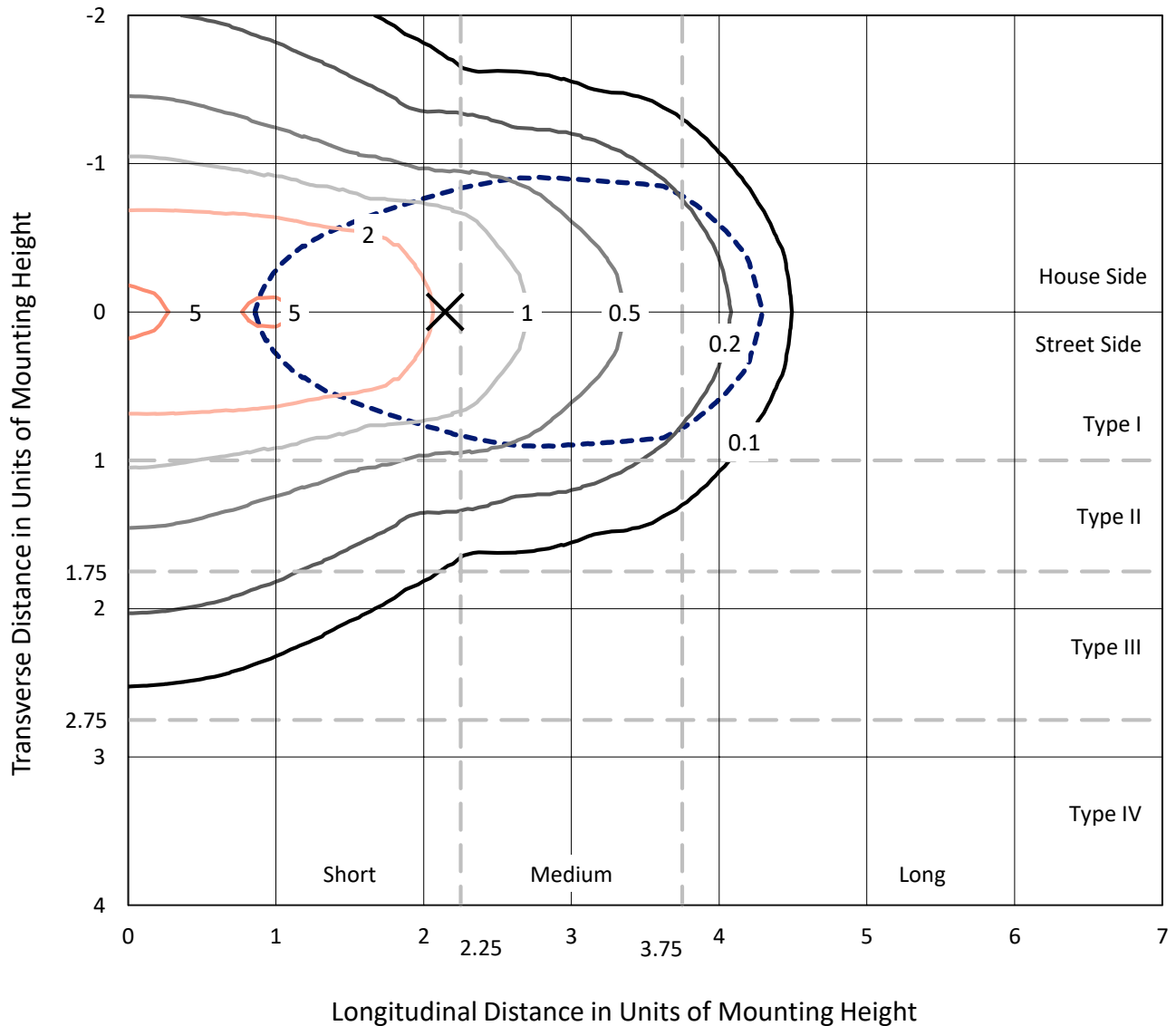


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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
 - - - 1/2 Max cd

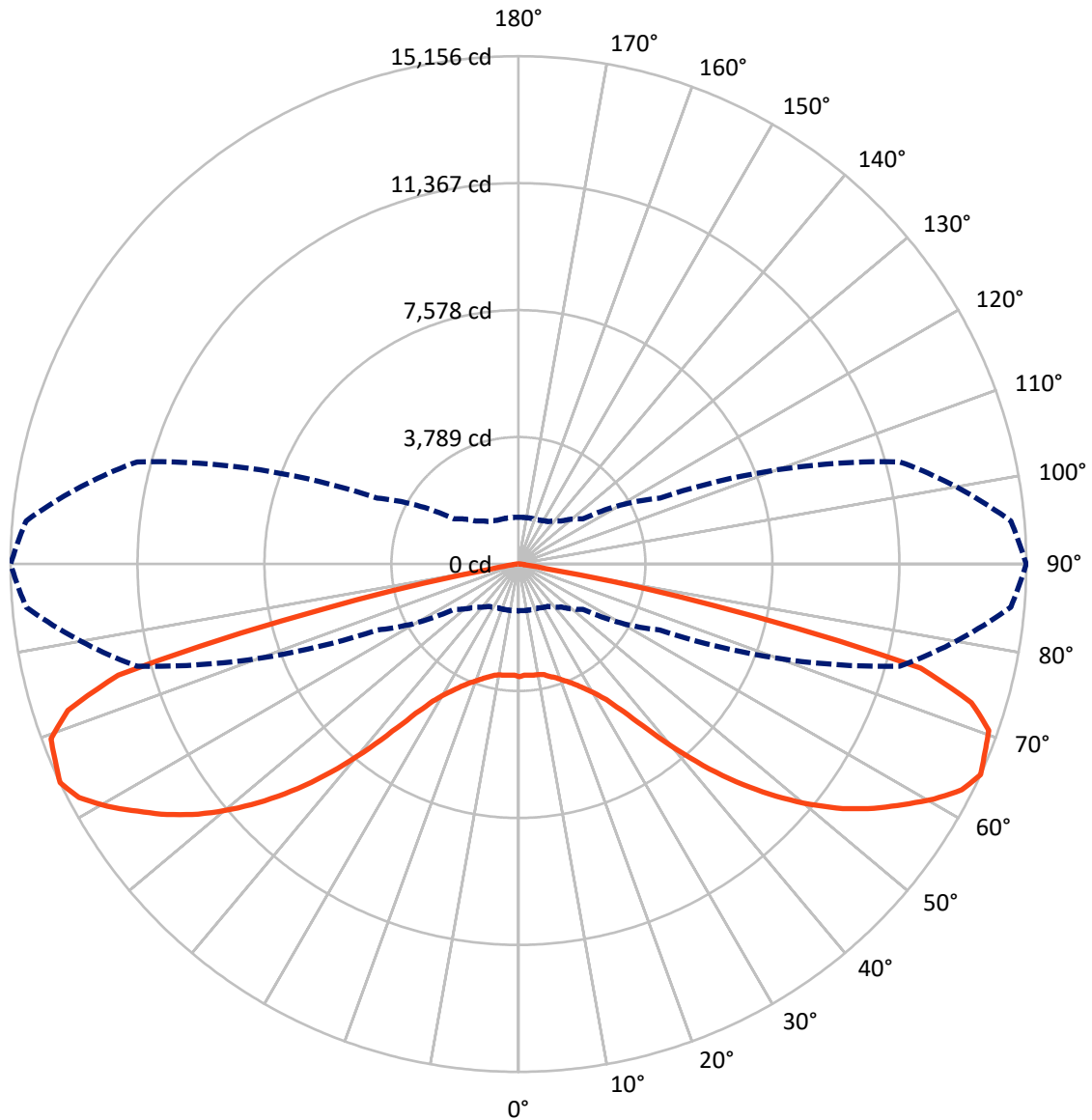


Based on 25 foot mounting height. Maximum calculated value = 5.4 fc
 Type V - Short - Full Cutoff

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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	9888.0	0.0	9888.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	9888.0	0.0	9888.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	19776.0	0.0	19776.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	318.8	1.6
10°-20°	941.7	4.8
20°-30°	1544.2	7.8
30°-40°	2232.9	11.3
40°-50°	3269.6	16.5
50°-60°	4241.5	21.4
60°-70°	4485.6	22.7
70°-80°	2633.2	13.3
80°-90°	108.4	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°	19776.0	100.0
0°-180°	19776.0	100.0



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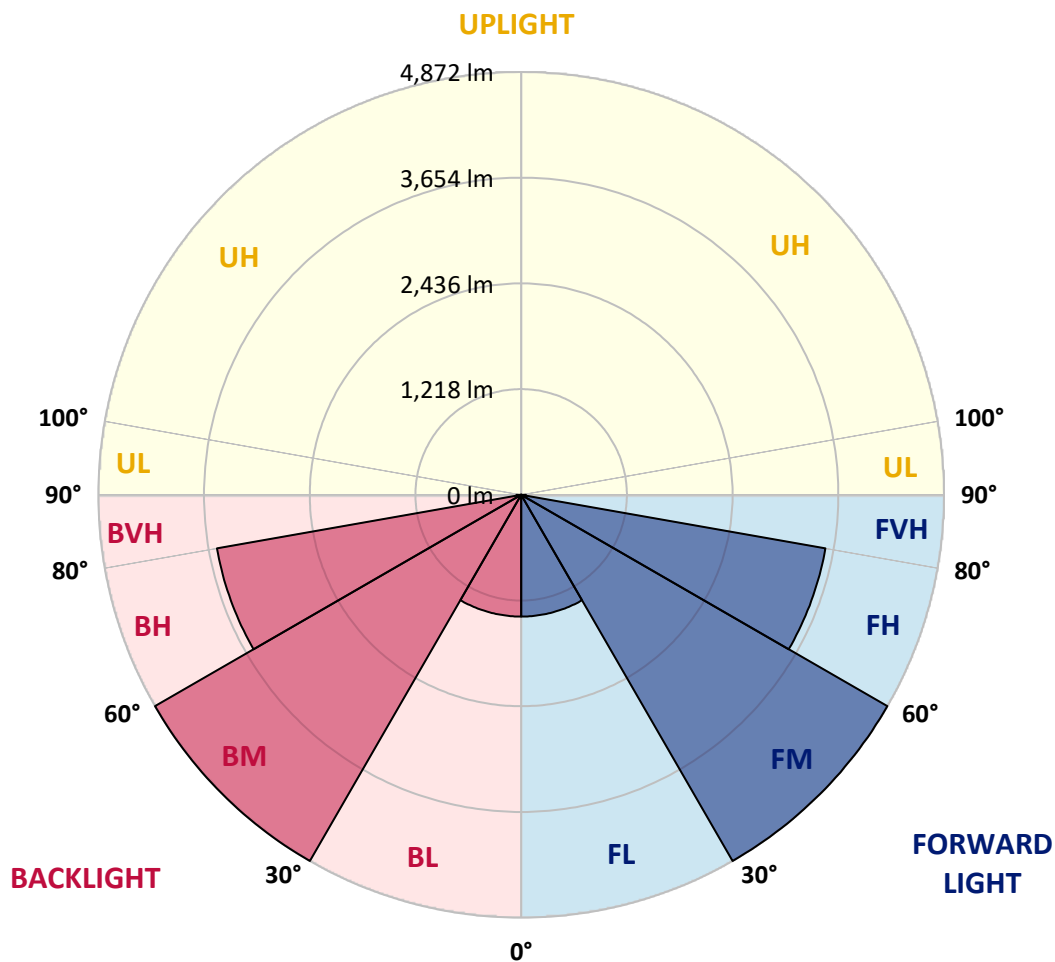
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1402.4	7.1			
FM	(30°-60°)	4872.0	24.6			
FH	(60°-80°)	3559.4	18.0			G2/5000
FVH	(80°-90°)	54.2	0.3			G1/100
BL	(0°-30°)	1402.4	7.1	B3/2500		
BM	(30°-60°)	4872.0	24.6	B3/5000		
BH	(60°-80°)	3559.4	18.0	B4/5000		G2/5000
BVH	(80°-90°)	54.2	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°	3366.0	3366.0	3366.0	3366.0	3366.0	3366.0	3366.0	3366.0	3366.0	3366.0	3366.0
2.5°	3398.5	3395.1	3376.3	3349.0	3340.4	3347.3	3345.6	3337.0	3337.0	3340.4	3318.2
5°	3378.0	3372.9	3350.7	3343.8	3345.6	3354.1	3352.4	3345.6	3349.0	3345.6	3328.5
7.5°	3342.1	3337.0	3323.4	3319.9	3316.5	3330.2	3343.8	3352.4	3362.6	3357.5	3345.6
10°	3308.0	3297.8	3299.5	3282.4	3289.2	3314.8	3328.5	3343.8	3359.2	3357.5	3354.1
12.5°	3256.8	3246.6	3251.7	3246.6	3270.4	3301.2	3342.1	3371.2	3388.2	3383.1	3388.2
15°	3193.6	3190.2	3198.8	3205.6	3248.3	3318.2	3362.6	3425.8	3463.3	3465.0	3477.0
17.5°	3121.9	3115.1	3130.5	3156.1	3234.6	3311.4	3422.4	3492.3	3547.0	3555.5	3565.7
20°	3000.8	3004.2	3028.1	3072.4	3183.4	3321.7	3458.2	3564.0	3642.6	3663.0	3685.2
22.5°	2848.8	2857.4	2901.8	2993.9	3137.3	3309.7	3497.5	3647.7	3760.3	3806.4	3820.1
25°	2690.1	2703.8	2775.4	2898.3	3084.4	3304.6	3547.0	3745.0	3905.4	3978.8	3987.4
27.5°	2548.4	2560.4	2652.5	2809.6	3034.9	3306.3	3591.3	3862.7	4079.5	4187.1	4204.1
30°	2405.0	2418.7	2514.3	2708.9	2985.4	3302.9	3642.6	3995.9	4287.8	4441.4	4467.0
32.5°	2282.1	2295.8	2394.8	2597.9	2923.9	3297.8	3704.0	4158.0	4538.7	4787.9	4822.0
35°	2178.0	2193.4	2294.1	2493.8	2845.4	3299.5	3792.8	4379.9	4927.9	5339.2	5405.8
37.5°	2091.0	2106.3	2195.1	2396.5	2765.2	3285.8	3900.3	4659.9	5443.4	6124.4	6247.3
40°	2036.3	2050.0	2116.6	2295.8	2667.9	3255.1	4024.9	4970.5	6073.2	7066.6	7281.7
42.5°	1980.0	1995.4	2050.0	2203.6	2563.8	3209.0	4134.1	5282.9	6730.4	8054.9	8362.2
45°	1918.6	1928.8	1988.6	2126.8	2461.4	3137.3	4229.7	5581.6	7420.0	9058.6	9391.4
47.5°	1867.4	1872.5	1922.0	2050.0	2353.8	3031.5	4255.3	5837.6	8116.4	10035.0	10361.0
50°	1833.2	1824.7	1870.8	1981.7	2253.1	2884.7	4211.0	6028.8	8865.7	10966.9	11275.9
52.5°	1780.3	1778.6	1814.5	1915.2	2157.5	2715.7	4052.2	6121.0	9615.1	11839.2	12125.9
55°	1730.8	1730.8	1759.8	1838.3	2056.8	2541.6	3780.8	6083.4	10333.7	12665.3	12875.3
57.5°	1659.1	1657.4	1681.3	1753.0	1939.1	2377.7	3437.7	5909.3	10917.4	13430.0	13544.4
60°	1589.1	1587.4	1601.1	1655.7	1826.4	2201.9	3070.7	5568.0	11496.1	14105.9	14242.5
62.5°	1500.4	1498.7	1512.3	1560.1	1700.1	2014.2	2710.6	5151.5	11835.7	14495.1	14848.5
65°	1394.5	1396.3	1413.3	1444.0	1543.1	1812.7	2353.8	4654.8	11779.4	14747.7	15155.7
67.5°	1293.8	1288.7	1302.4	1307.5	1380.9	1601.1	2021.0	4260.5	11349.3	14792.1	15014.0
70°	1169.2	1162.4	1162.4	1141.9	1193.1	1353.6	1708.6	3847.4	10127.1	14387.6	14892.8
72.5°	978.1	978.1	967.8	945.6	978.1	1097.5	1423.6	3386.5	8205.1	13510.2	14136.7
75°	609.4	614.5	636.7	705.0	752.7	827.9	1128.3	2854.0	6703.1	11240.0	12395.6
77.5°	312.4	319.2	327.7	329.4	341.4	356.7	537.7	1597.7	3407.0	5600.4	5974.2
80°	78.5	80.2	192.9	215.1	230.4	237.3	198.0	532.6	882.5	826.1	807.4
82.5°	52.9	56.3	110.9	136.6	126.3	95.6	109.2	162.2	131.4	179.2	201.4
85°	29.0	29.0	49.5	52.9	54.6	61.4	54.6	52.9	59.7	114.4	133.1
87.5°	13.7	13.7	20.5	25.6	25.6	30.7	25.6	27.3	27.3	52.9	61.4
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)