

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: P233820

Luminaire Tested: **VERD-G-C02H-D-U-T1-8027**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P233820
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-T1-8027
Description: VERDEON-G ROADWAY AND AREA LUMINAIRE
(2) 80 CRI, 2700K, 1370mA LEDS AND TYPE I OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 17908 lumens
Efficiency: N/A
Efficacy: 115.5 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

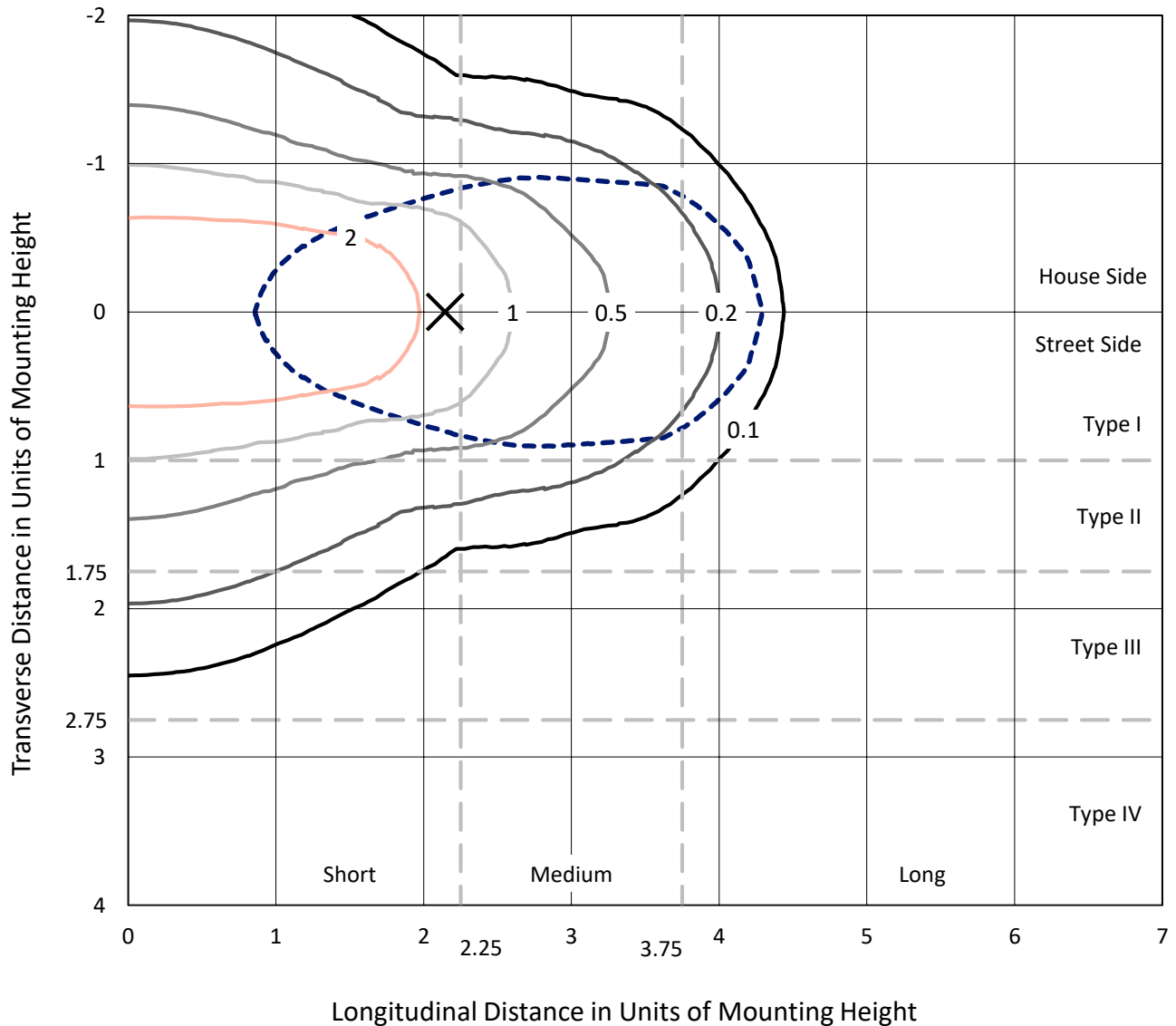


REPORT NUMBER: P233820

CATALOG NUMBER: VERD-G-C02H-D-U-T1-8027

Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

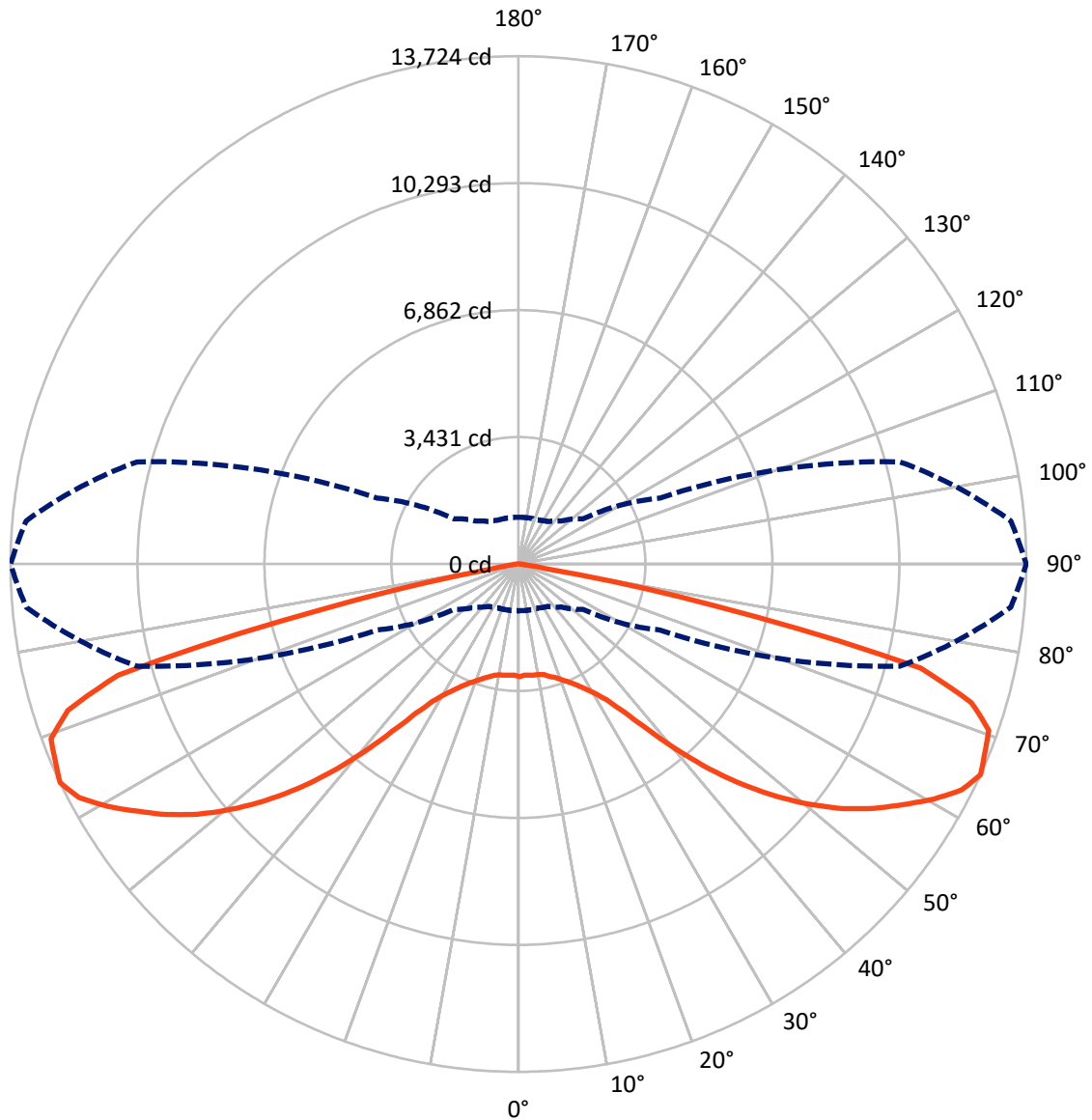


Based on 25 foot mounting height. Maximum calculated value = 4.9 fc
 Type V - Short - Full Cutoff

REPORT NUMBER: P233820

CATALOG NUMBER: VERD-G-C02H-D-U-T1-8027

Luminous Intensity Polar Plot



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

REPORT NUMBER: P233820

CATALOG NUMBER: VERD-G-C02H-D-U-T1-8027

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	8954.0	0.0	8954.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	8954.0	0.0	8954.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	17908.0	0.0	17908.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	288.7	1.6
10°-20°	852.8	4.8
20°-30°	1398.3	7.8
30°-40°	2022.0	11.3
40°-50°	2960.7	16.5
50°-60°	3840.8	21.4
60°-70°	4061.9	22.7
70°-80°	2384.5	13.3
80°-90°	98.2	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°	17908.0	100.0
0°-180°	17908.0	100.0



REPORT NUMBER: P233820

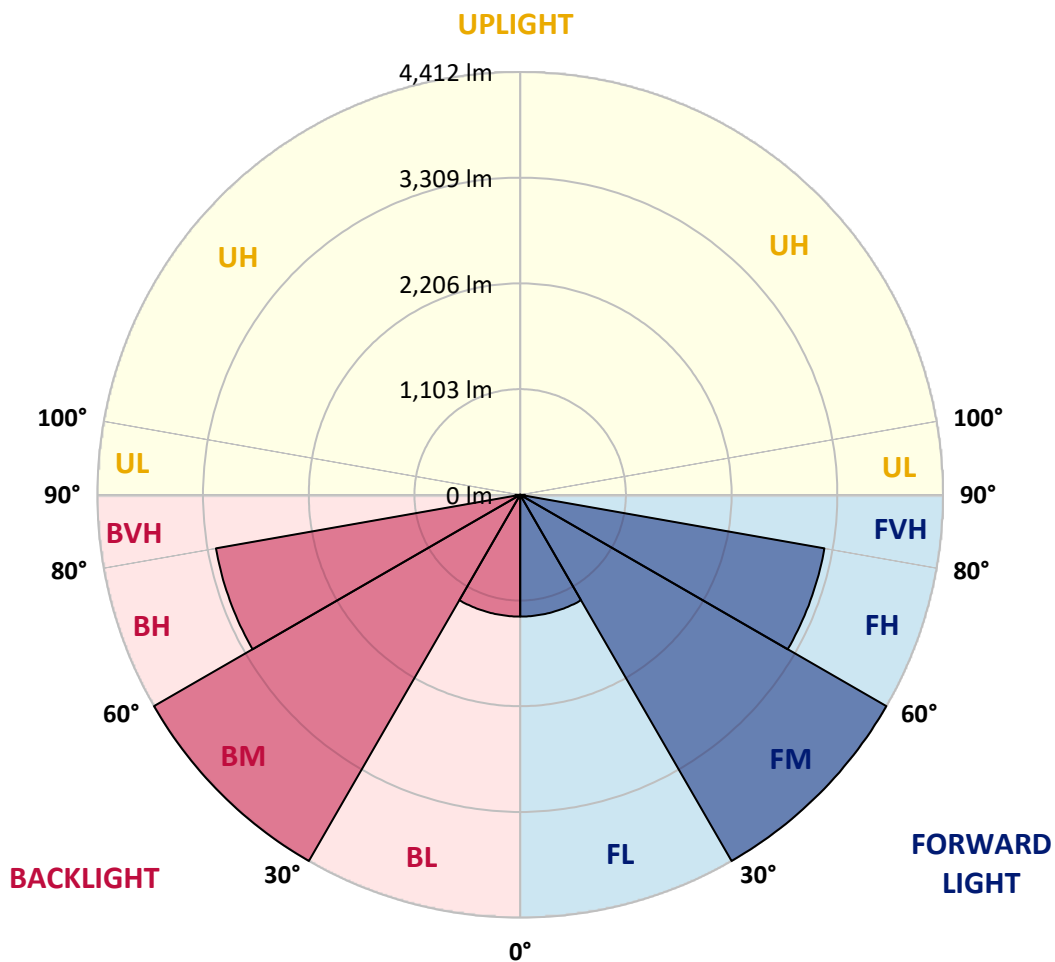
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1269.9	7.1			
FM (30°-60°)	4411.8	24.6			
FH (60°-80°)	3223.2	18.0			G2/5000
FVH (80°-90°)	49.1	0.3			G1/100
BL (0°-30°)	1269.9	7.1	B3/2500		
BM (30°-60°)	4411.8	24.6	B3/5000		
BH (60°-80°)	3223.2	18.0	B4/5000		G2/5000
BVH (80°-90°)	49.1	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: P233820

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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	3048.1	3048.1	3048.1	3048.1	3048.1	3048.1	3048.1	3048.1	3048.1	3048.1	3048.1
2.5°	3077.5	3074.4	3057.4	3032.6	3024.9	3031.1	3029.5	3021.8	3021.8	3024.9	3004.8
5°	3058.9	3054.3	3034.2	3028.0	3029.5	3037.3	3035.7	3029.5	3032.6	3029.5	3014.1
7.5°	3026.4	3021.8	3009.4	3006.4	3003.3	3015.6	3028.0	3035.7	3045.0	3040.4	3029.5
10°	2995.5	2986.3	2987.8	2972.3	2978.5	3001.7	3014.1	3028.0	3041.9	3040.4	3037.3
12.5°	2949.2	2939.9	2944.5	2939.9	2961.5	2989.4	3026.4	3052.7	3068.2	3063.5	3068.2
15°	2892.0	2888.9	2896.6	2902.8	2941.4	3004.8	3045.0	3102.2	3136.2	3137.7	3148.6
17.5°	2827.1	2820.9	2834.8	2858.0	2929.1	2998.6	3099.1	3162.5	3211.9	3219.7	3228.9
20°	2717.3	2720.4	2742.0	2782.2	2882.7	3007.9	3131.6	3227.4	3298.5	3317.0	3337.1
22.5°	2579.7	2587.5	2627.7	2711.1	2841.0	2997.1	3167.1	3303.1	3405.1	3446.9	3459.2
25°	2436.0	2448.4	2513.3	2624.6	2793.0	2992.4	3211.9	3391.2	3536.5	3603.0	3610.7
27.5°	2307.7	2318.5	2402.0	2544.2	2748.2	2994.0	3252.1	3497.9	3694.2	3791.6	3807.0
30°	2177.9	2190.2	2276.8	2453.0	2703.4	2990.9	3298.5	3618.4	3882.8	4021.9	4045.1
32.5°	2066.6	2078.9	2168.6	2352.5	2647.8	2986.3	3354.1	3765.3	4110.0	4335.6	4366.6
35°	1972.3	1986.2	2077.4	2258.2	2576.7	2987.8	3434.5	3966.2	4462.4	4834.9	4895.2
37.5°	1893.5	1907.4	1987.7	2170.1	2504.0	2975.4	3531.9	4219.7	4929.2	5545.9	5657.2
40°	1844.0	1856.4	1916.6	2078.9	2415.9	2947.6	3644.7	4501.0	5499.5	6399.1	6593.9
42.5°	1793.0	1806.9	1856.4	1995.5	2321.6	2905.9	3743.6	4783.9	6094.6	7294.1	7572.3
45°	1737.3	1746.6	1800.7	1925.9	2228.9	2841.0	3830.2	5054.4	6719.1	8202.9	8504.3
47.5°	1691.0	1695.6	1740.4	1856.4	2131.5	2745.1	3853.4	5286.2	7349.7	9087.1	9382.3
50°	1660.1	1652.3	1694.1	1794.5	2040.3	2612.2	3813.2	5459.4	8028.3	9931.0	10210.8
52.5°	1612.1	1610.6	1643.1	1734.3	1953.7	2459.2	3669.5	5542.8	8706.8	10720.9	10980.5
55°	1567.3	1567.3	1593.6	1664.7	1862.5	2301.5	3423.7	5508.8	9357.6	11469.0	11659.1
57.5°	1502.4	1500.9	1522.5	1587.4	1755.9	2153.1	3113.0	5351.2	9886.2	12161.4	12265.0
60°	1439.0	1437.5	1449.9	1499.3	1653.9	1993.9	2780.7	5042.0	10410.2	12773.5	12897.2
62.5°	1358.7	1357.1	1369.5	1412.8	1539.5	1823.9	2454.5	4664.9	10717.8	13125.9	13445.9
65°	1262.8	1264.4	1279.8	1307.6	1397.3	1641.5	2131.5	4215.1	10666.8	13354.7	13724.1
67.5°	1171.6	1167.0	1179.4	1184.0	1250.5	1449.9	1830.1	3858.0	10277.2	13394.9	13595.8
70°	1058.8	1052.6	1052.6	1034.1	1080.4	1225.7	1547.2	3484.0	9170.5	13028.6	13486.1
72.5°	885.7	885.7	876.4	856.3	885.7	993.9	1289.1	3066.6	7430.1	12234.1	12801.3
75°	551.8	556.4	576.5	638.4	681.6	749.7	1021.7	2584.4	6069.9	10178.3	11224.8
77.5°	282.9	289.0	296.8	298.3	309.1	323.0	486.9	1446.8	3085.2	5071.4	5409.9
80°	71.1	72.6	174.7	194.8	208.7	214.8	179.3	482.3	799.1	748.1	731.1
82.5°	47.9	51.0	100.5	123.7	114.4	86.6	98.9	146.8	119.0	162.3	182.4
85°	26.3	26.3	44.8	47.9	49.5	55.6	49.5	47.9	54.1	103.6	120.6
87.5°	12.4	12.4	18.5	23.2	23.2	27.8	23.2	24.7	24.7	47.9	55.6
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)