

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: P233885

Luminaire Tested: **VERD-G-C028-D-U-T5-7030**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P233885
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1710-389-16)
Test Lab: INNOVATION CENTER(G2)
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: VERD-G-C028-D-U-T5-7030
Description: VERDEON-G ROADWAY AND AREA LUMINAIRE
(2) 70 CRI, 3000K, 885mA LEDS AND TYPE V OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 13523 lumens
Efficiency: N/A
Efficacy: 131.3 lumens/watt
Luminous Opening: Rectangular (W 0.79' x L: 1.25' x H: 0')
IES Classification: Type V - Short - Non-Cutoff
BUG Rating: B4 - U0 - G3

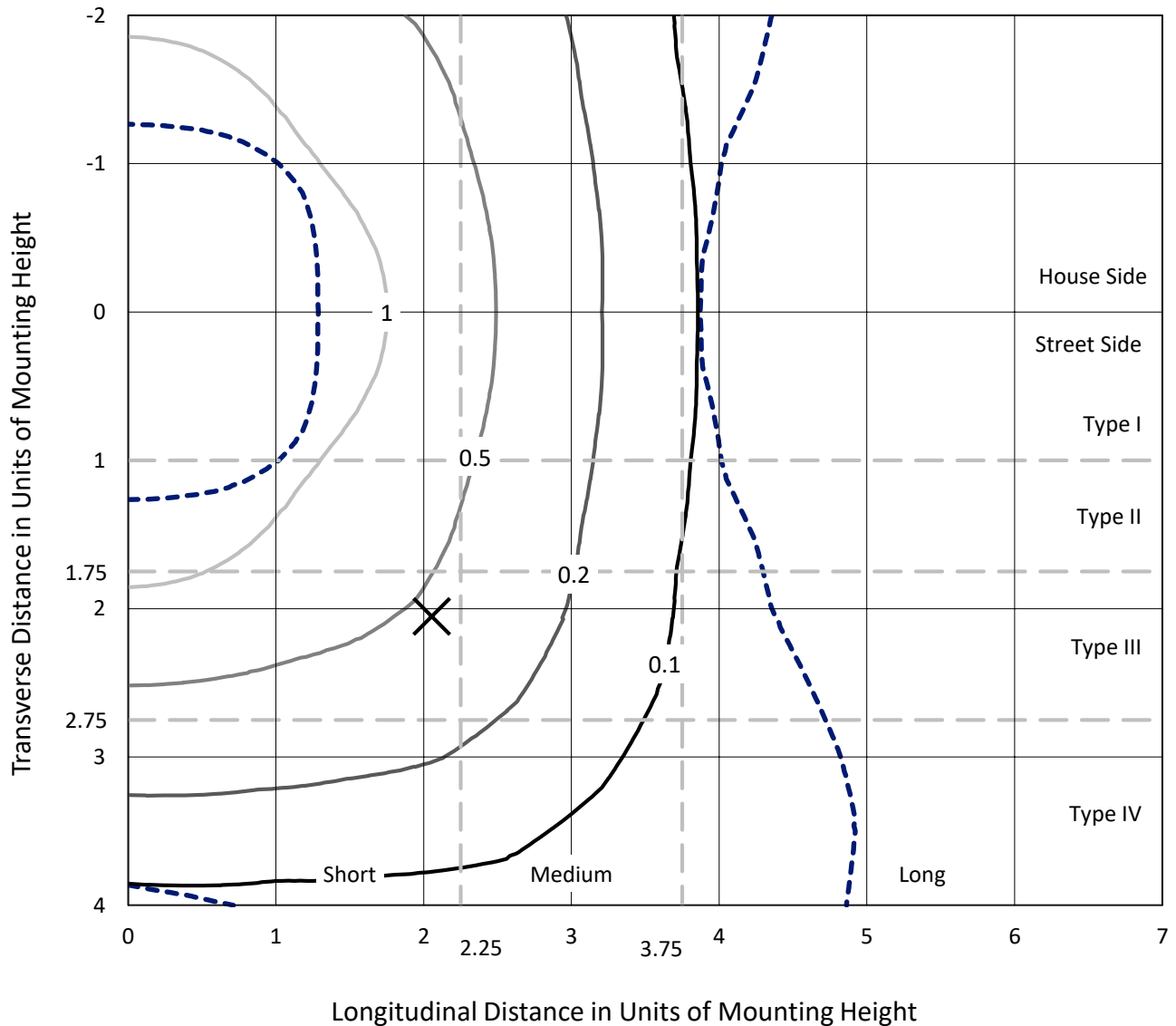
Input Watts (W): 103
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P233885
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

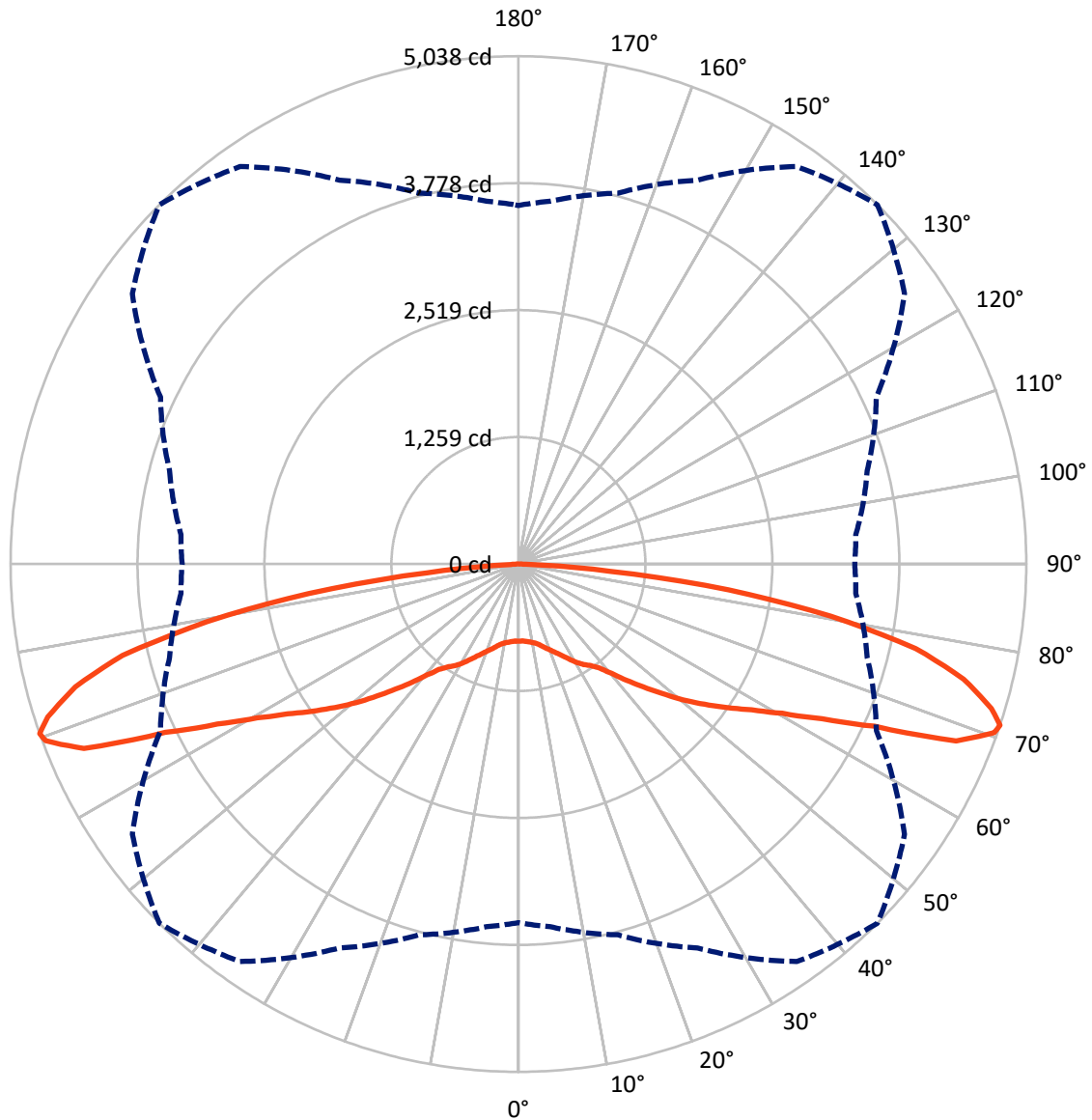


Based on 20 foot mounting height. Maximum calculated value = 1.9 fc
 Type V - Short - Non-Cutoff

REPORT NUMBER: P233885

CATALOG NUMBER: VERD-G-C028-D-U-T5-7030

Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 71-Deg Vertical

REPORT NUMBER: P233885

CATALOG NUMBER: VERD-G-C028-D-U-T5-7030

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	6761.5	0.0	6761.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	6761.5	0.0	6761.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	13523.0	0.0	13523.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	74.5	0.6
10°-20°	239.0	1.8
20°-30°	460.8	3.4
30°-40°	779.3	5.8
40°-50°	1417.4	10.5
50°-60°	2417.5	17.9
60°-70°	3876.5	28.7
70°-80°	3524.8	26.1
80°-90°	733.3	5.4
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°	13523.0	100.0
0°-180°	13523.0	100.0



REPORT NUMBER: P233885

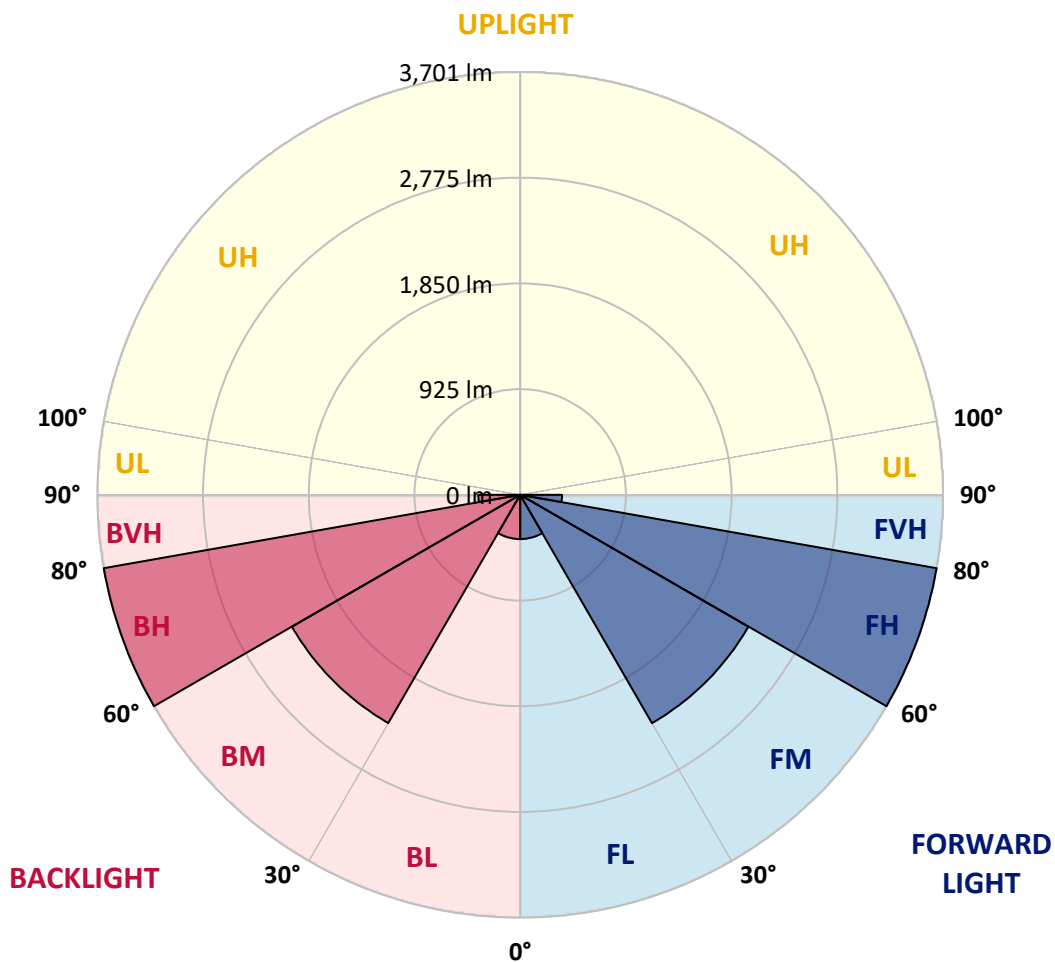
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	387.2	2.9			
FM (30°-60°)	2307.1	17.1			
FH (60°-80°)	3700.6	27.4			G2/5000
FVH (80°-90°)	366.6	2.7			G3/500
BL (0°-30°)	387.2	2.9	B1/500		
BM (30°-60°)	2307.1	17.1	B2/2500		
BH (60°-80°)	3700.6	27.4	B4/5000		G2/5000
BVH (80°-90°)	366.6	2.7			G3/500
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B4-U0-G3

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	766.2	766.2	766.2	766.2	766.2	766.2	766.2	766.2	766.2	766.2	766.2
2.5°	773.4	773.4	772.2	766.2	767.4	763.8	761.3	762.6	763.8	763.8	762.6
5°	779.4	779.4	778.2	773.4	774.6	771.0	769.8	771.0	773.4	775.8	773.4
7.5°	791.5	790.3	787.9	783.0	783.0	780.6	778.2	779.4	781.8	783.0	781.8
10°	804.7	803.5	799.9	795.1	795.1	792.7	787.9	787.9	787.9	786.6	785.4
12.5°	819.2	818.0	814.4	809.5	813.2	809.5	805.9	804.7	801.1	798.7	797.5
15°	842.1	840.9	837.2	833.6	843.3	838.4	832.4	826.4	824.0	821.6	819.2
17.5°	869.8	868.6	866.2	863.7	875.8	875.8	865.0	854.1	855.3	851.7	849.3
20°	902.3	901.1	898.7	901.1	914.3	913.1	898.7	885.4	890.2	883.0	880.6
22.5°	943.3	940.8	937.2	940.8	960.1	956.5	938.4	926.4	930.0	926.4	924.0
25°	987.8	983.0	978.2	983.0	1014.3	1007.1	989.0	974.6	981.8	979.4	978.2
27.5°	1031.2	1026.4	1022.8	1019.1	1067.3	1066.1	1042.0	1027.6	1036.0	1037.2	1038.4
30°	1073.4	1072.2	1066.1	1061.3	1113.1	1130.0	1089.0	1083.0	1089.0	1096.2	1098.7
32.5°	1130.0	1127.6	1121.5	1113.1	1148.0	1189.0	1143.2	1148.0	1157.7	1172.1	1170.9
35°	1205.9	1199.8	1191.4	1183.0	1204.7	1237.2	1216.7	1226.4	1243.2	1260.1	1257.7
37.5°	1286.6	1285.4	1276.9	1256.5	1280.6	1309.5	1303.5	1321.5	1350.4	1384.2	1379.3
40°	1402.2	1403.4	1385.4	1358.9	1379.3	1426.3	1432.3	1469.7	1520.3	1568.5	1569.7
42.5°	1584.1	1580.5	1567.3	1529.9	1543.2	1578.1	1607.0	1664.9	1727.5	1776.9	1784.1
45°	1809.4	1804.6	1778.1	1719.1	1715.4	1740.7	1782.9	1857.6	1933.5	1981.7	1985.3
47.5°	2067.2	2050.3	2009.4	1932.3	1904.6	1916.6	1960.0	2043.1	2121.4	2174.4	2170.8
50°	2321.4	2322.6	2273.2	2172.0	2116.6	2116.6	2141.9	2228.6	2308.1	2357.5	2358.7
52.5°	2608.1	2597.3	2549.1	2427.4	2337.1	2311.8	2320.2	2402.1	2484.0	2537.0	2537.0
55°	2897.2	2886.4	2839.4	2704.5	2587.6	2514.1	2505.7	2582.8	2672.0	2722.5	2728.6
57.5°	3194.8	3187.5	3138.2	2991.2	2845.4	2728.6	2709.3	2797.2	2891.2	2941.8	2945.4
60°	3504.4	3494.7	3445.3	3330.9	3152.6	3005.6	2969.5	3058.7	3170.7	3236.9	3233.3
62.5°	3864.6	3852.5	3814.0	3667.0	3540.5	3381.5	3310.4	3412.8	3546.5	3623.6	3629.7
65°	4153.7	4158.5	4194.7	4173.0	4054.9	3881.4	3810.4	3974.2	4051.3	4064.5	4054.9
67.5°	4077.8	4095.9	4175.4	4354.9	4568.1	4682.5	4403.1	4206.7	4059.7	3974.2	3962.2
70°	3750.1	3763.4	3953.7	4247.7	4812.6	5007.8	4654.8	4015.2	3706.8	3574.2	3558.6
71°	3557.4	3611.6	3808.0	4201.9	4813.9	5037.9	4675.3	3917.6	3582.7	3359.8	3335.7
72.5°	3263.4	3310.4	3557.4	4029.6	4744.0	4907.8	4458.5	3688.7	3300.8	3115.3	3053.8
75°	2661.1	2747.8	2965.9	3587.5	4424.7	4562.1	4070.6	3253.8	2838.2	2637.0	2621.4
77.5°	1892.5	1951.6	2281.6	2952.6	3900.7	4029.6	3598.3	2735.8	2296.1	2109.4	2088.9
80°	1051.7	1110.7	1458.9	2075.6	3011.7	3141.8	2753.9	1998.5	1560.0	1361.3	1279.4
82.5°	471.0	506.0	762.6	1230.0	1932.3	2100.9	1673.3	1098.7	751.7	532.5	489.1
85°	163.8	181.9	303.6	557.8	989.0	913.1	573.4	274.7	96.4	47.0	43.4
87.5°	31.3	34.9	66.3	155.4	161.4	74.7	24.1	18.1	18.1	19.3	19.3
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)