

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: P233620

Luminaire Tested: **VERD-C02H8-D-U-T5-8027**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P233620
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-C02H8-D-U-T5-8027
Description: VERDEON ROADWAY AND AREA LUMINAIRE
(2) 80 CRI, 2700K, 960mA LEDS AND TYPE V OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 12531 lumens
Efficiency: N/A
Efficacy: 113.9 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

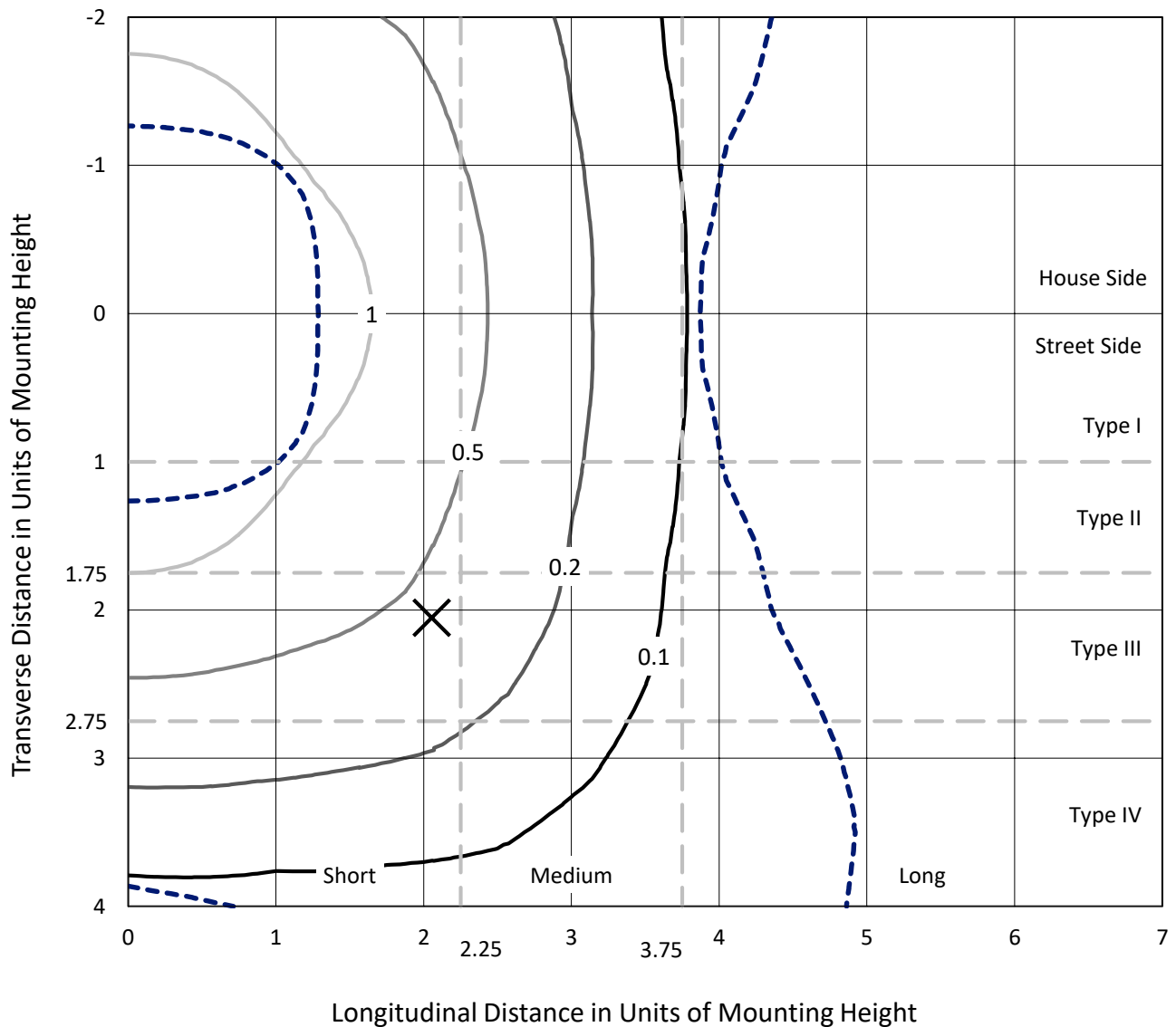
Input Watts (W): 110
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P233620
 CATALOG NUMBER: VERD-C02H8-D-U-T5-8027

Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

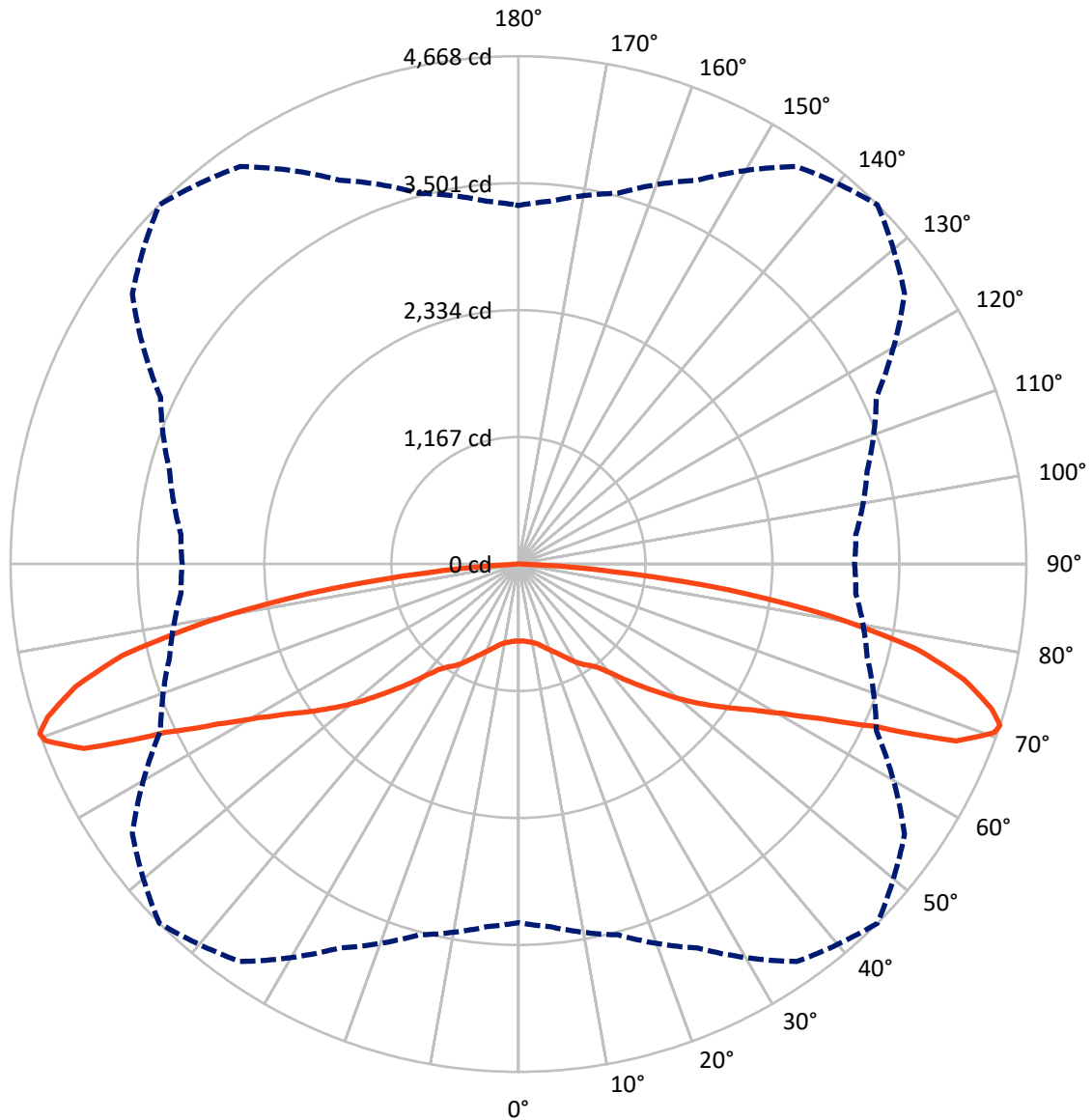


Based on 20 foot mounting height. Maximum calculated value = 1.8 fc
 Type V - Short - Non-Cutoff

REPORT NUMBER: P233620

CATALOG NUMBER: VERD-C02H8-D-U-T5-8027

Luminous Intensity Polar Plot



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

REPORT NUMBER: P233620

CATALOG NUMBER: VERD-C02H8-D-U-T5-8027

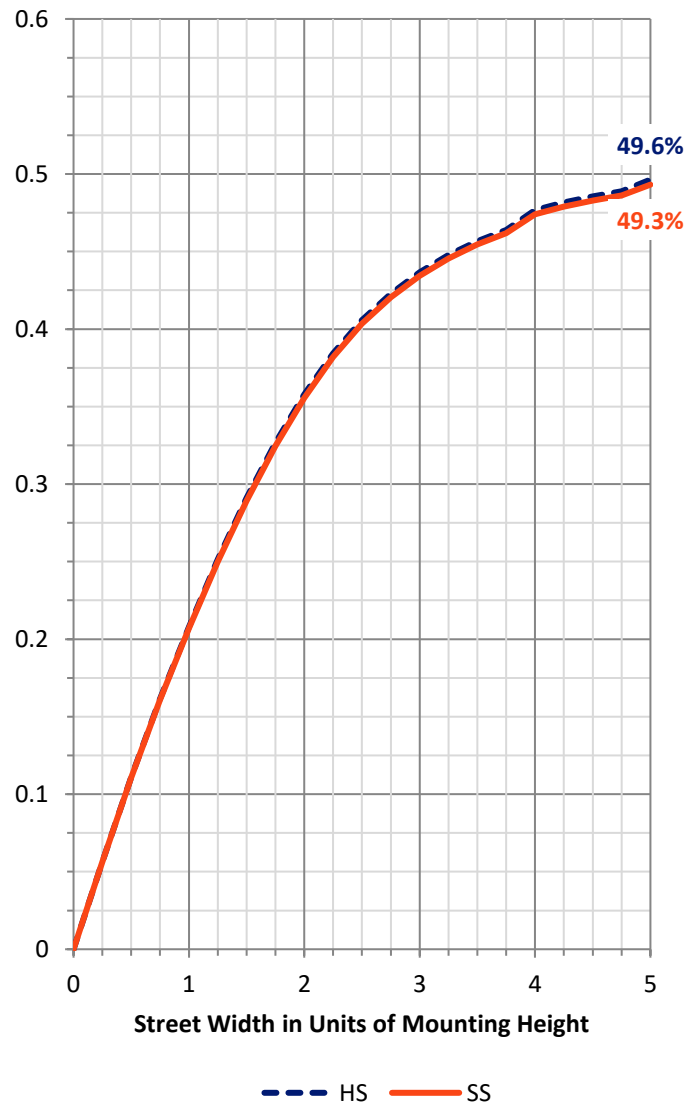
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	6265.5	0.0	6265.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	6265.5	0.0	6265.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	12531.0	0.0	12531.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	69.0	0.6
10°-20°	221.5	1.8
20°-30°	427.0	3.4
30°-40°	722.2	5.8
40°-50°	1313.4	10.5
50°-60°	2240.1	17.9
60°-70°	3592.1	28.7
70°-80°	3266.2	26.1
80°-90°	679.4	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°	12531.0	100.0
0°-180°	12531.0	100.0



REPORT NUMBER: P233620

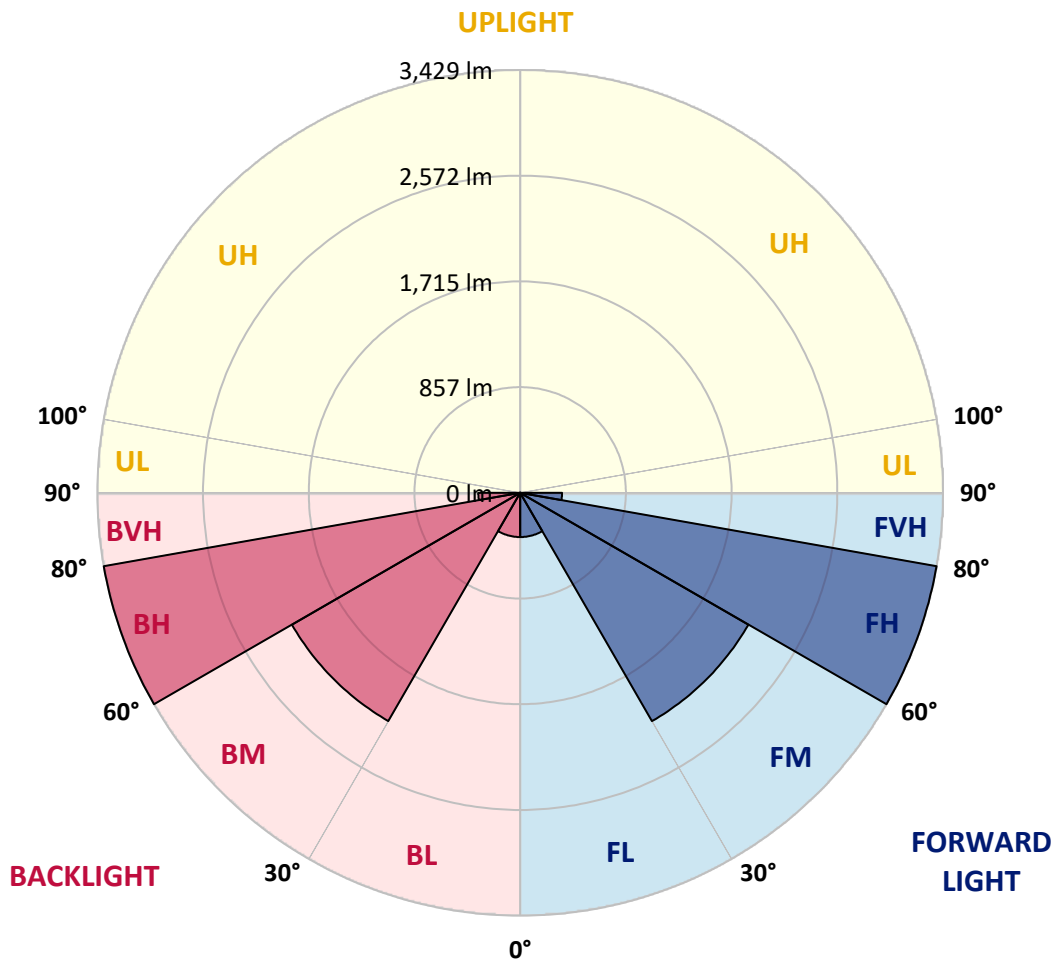
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	358.8	2.9			
FM	(30°-60°)	2137.8	17.1			
FH	(60°-80°)	3429.2	27.4			G2/5000
FVH	(80°-90°)	339.7	2.7			G3/500
BL	(0°-30°)	358.8	2.9	B1/500		
BM	(30°-60°)	2137.8	17.1	B2/2500		
BH	(60°-80°)	3429.2	27.4	B4/5000		G2/5000
BVH	(80°-90°)	339.7	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





REPORT NUMBER: P233620

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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	710.0	710.0	710.0	710.0	710.0	710.0	710.0	710.0	710.0	710.0	710.0
2.5°	716.7	716.7	715.5	710.0	711.1	707.7	705.5	706.6	707.7	707.7	706.6
5°	722.2	722.2	721.1	716.7	717.8	714.4	713.3	714.4	716.7	718.9	716.7
7.5°	733.4	732.3	730.1	725.6	725.6	723.4	721.1	722.2	724.5	725.6	724.5
10°	745.7	744.6	741.2	736.8	736.8	734.5	730.1	730.1	730.1	728.9	727.8
12.5°	759.1	758.0	754.6	750.2	753.5	750.2	746.8	745.7	742.3	740.1	739.0
15°	780.3	779.2	775.8	772.5	781.4	776.9	771.4	765.8	763.5	761.3	759.1
17.5°	806.0	804.9	802.6	800.4	811.5	811.5	801.5	791.5	792.6	789.2	787.0
20°	836.1	835.0	832.8	835.0	847.3	846.2	832.8	820.5	824.9	818.2	816.0
22.5°	874.1	871.8	868.5	871.8	889.7	886.3	869.6	858.4	861.8	858.4	856.2
25°	915.4	910.9	906.4	910.9	939.9	933.2	916.5	903.1	909.8	907.5	906.4
27.5°	955.6	951.1	947.7	944.4	989.0	987.9	965.6	952.2	960.0	961.1	962.2
30°	994.6	993.5	987.9	983.5	1031.5	1047.1	1009.1	1003.6	1009.1	1015.8	1018.1
32.5°	1047.1	1044.9	1039.3	1031.5	1063.8	1101.8	1059.4	1063.8	1072.8	1086.2	1085.0
35°	1117.4	1111.8	1104.0	1096.2	1116.3	1146.4	1127.5	1136.4	1152.0	1167.6	1165.4
37.5°	1192.2	1191.1	1183.3	1164.3	1186.6	1213.4	1207.8	1224.6	1251.4	1282.6	1278.2
40°	1299.4	1300.5	1283.7	1259.2	1278.2	1321.7	1327.3	1361.9	1408.8	1453.4	1454.5
42.5°	1467.9	1464.6	1452.3	1417.7	1430.0	1462.3	1489.1	1542.7	1600.8	1646.5	1653.2
45°	1676.7	1672.2	1647.7	1593.0	1589.6	1613.0	1652.1	1721.3	1791.7	1836.3	1839.7
47.5°	1915.6	1899.9	1862.0	1790.5	1764.9	1776.0	1816.2	1893.2	1965.8	2014.9	2011.6
50°	2151.1	2152.2	2106.5	2012.7	1961.3	1961.3	1984.8	2065.1	2138.8	2184.6	2185.7
52.5°	2416.8	2406.7	2362.1	2249.3	2165.6	2142.2	2150.0	2225.9	2301.8	2350.9	2350.9
55°	2684.7	2674.6	2631.1	2506.1	2397.8	2329.7	2321.9	2393.3	2475.9	2522.8	2528.4
57.5°	2960.4	2953.7	2908.0	2771.8	2636.7	2528.4	2510.6	2592.0	2679.1	2726.0	2729.3
60°	3247.3	3238.4	3192.6	3086.6	2921.3	2785.2	2751.7	2834.3	2938.1	2999.5	2996.1
62.5°	3581.1	3569.9	3534.2	3398.0	3280.8	3133.4	3067.6	3162.5	3286.4	3357.8	3363.4
65°	3849.0	3853.5	3886.9	3866.9	3757.5	3596.7	3530.8	3682.7	3754.1	3766.4	3757.5
67.5°	3778.7	3795.4	3869.1	4035.4	4233.0	4339.0	4080.1	3898.1	3761.9	3682.7	3671.5
70°	3475.0	3487.3	3663.7	3936.1	4459.6	4640.4	4313.4	3720.6	3434.8	3312.1	3297.5
71°	3296.4	3346.7	3528.6	3893.6	4460.7	4668.4	4332.3	3630.2	3319.9	3113.4	3091.0
72.5°	3024.0	3067.6	3296.4	3734.0	4396.0	4547.8	4131.4	3418.1	3058.7	2886.7	2829.8
75°	2465.9	2546.3	2748.3	3324.3	4100.2	4227.4	3772.0	3015.1	2630.0	2443.6	2429.1
77.5°	1753.7	1808.4	2114.3	2736.0	3614.6	3734.0	3334.4	2535.1	2127.7	1954.6	1935.7
80°	974.5	1029.2	1351.8	1923.4	2790.7	2911.3	2551.9	1851.9	1445.6	1261.4	1185.5
82.5°	436.5	468.8	706.6	1139.7	1790.5	1946.8	1550.5	1018.1	696.6	493.4	453.2
85°	151.8	168.6	281.3	516.8	916.5	846.2	531.4	254.5	89.3	43.5	40.2
87.5°	29.0	32.4	61.4	144.0	149.6	69.2	22.3	16.7	16.7	17.9	17.9
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)