

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: P233428

Luminaire Tested: **VERD-C015-D-U-T1**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P233428
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-C015-D-U-T1
Description: VERDEON ROADWAY AND AREA LUMINAIRE
(1) 70 CRI, 4000K, 750mA LED AND TYPE I OPTIC
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4146 lumens
Efficiency: N/A
Efficacy: 138.2 lumens/watt
Luminous Opening: Rectangular (W 0.79' x L: 1.25' x H: 0')
IES Classification: Type V - Short - Full Cutoff
BUG Rating: B2 - U0 - G1

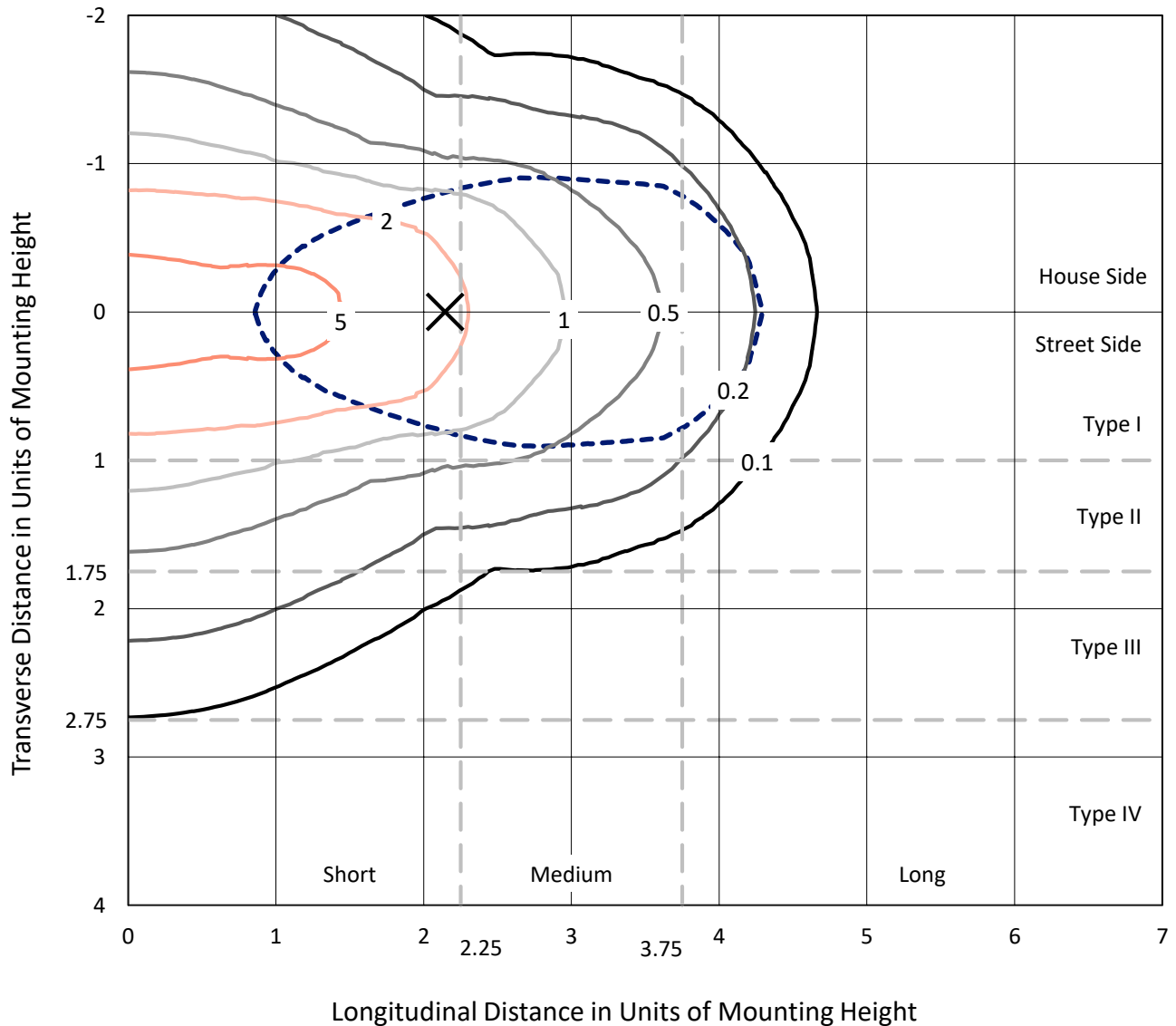
Input Watts (W): 30
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P233428
 CATALOG NUMBER: VERD-C015-D-U-T1

Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
 - - - 1/2 Max cd

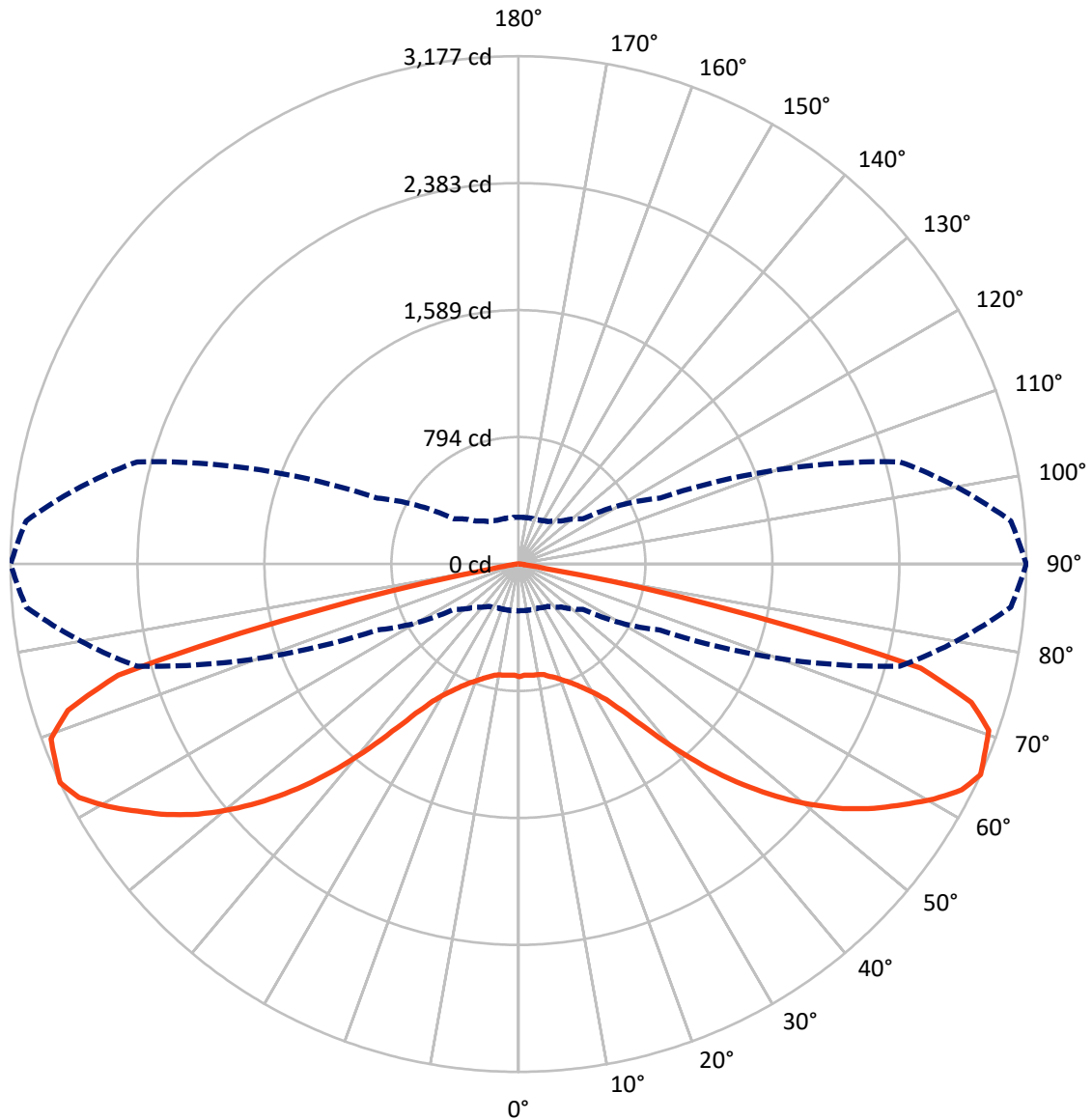


Based on 10 foot mounting height. Maximum calculated value = 7.1 fc
 Type V - Short - Full Cutoff

REPORT NUMBER: P233428

CATALOG NUMBER: VERD-C015-D-U-T1

Luminous Intensity Polar Plot



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

REPORT NUMBER: P233428

CATALOG NUMBER: VERD-C015-D-U-T1

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2073.0	0.0	2073.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	2073.0	0.0	2073.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	4146.0	0.0	4146.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	66.8	1.6
10°-20°	197.4	4.8
20°-30°	323.7	7.8
30°-40°	468.1	11.3
40°-50°	685.5	16.5
50°-60°	889.2	21.4
60°-70°	940.4	22.7
70°-80°	552.0	13.3
80°-90°	22.7	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°	4146.0	100.0
0°-180°	4146.0	100.0



REPORT NUMBER: P233428

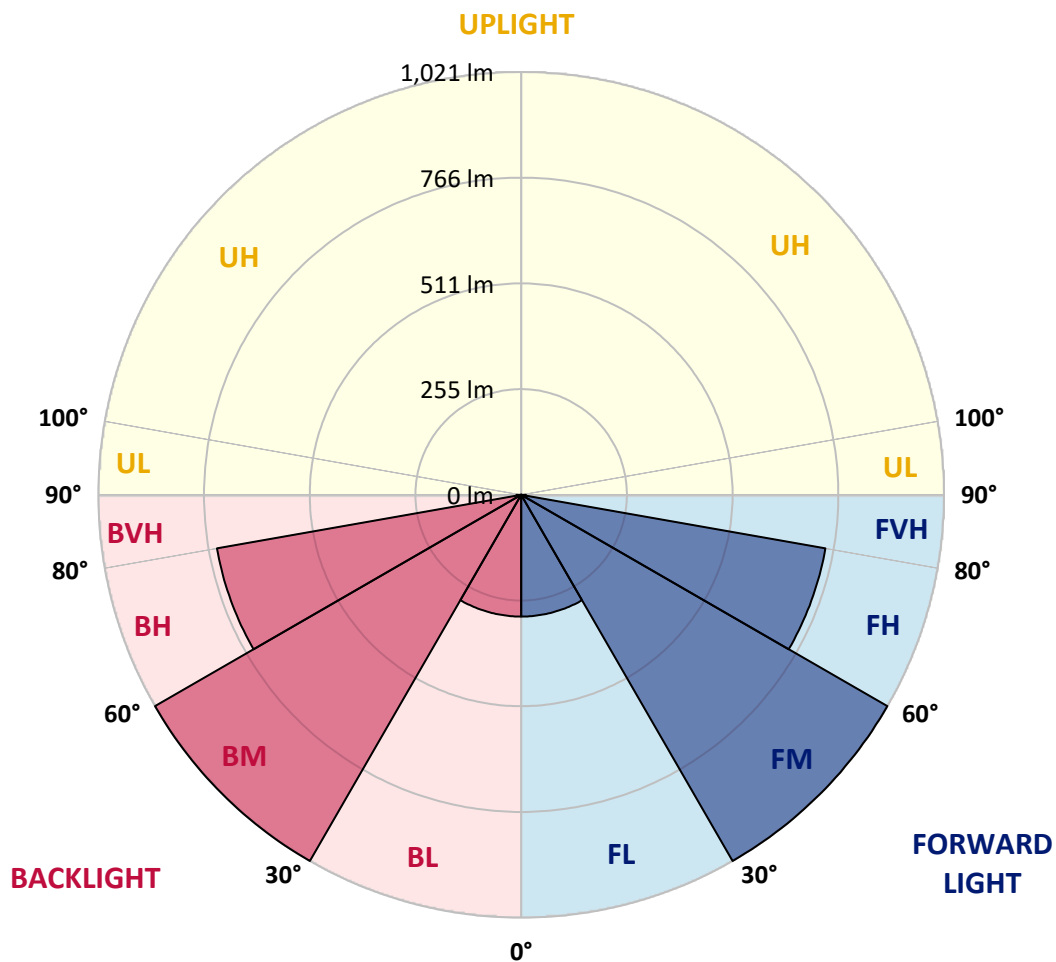
CATALOG NUMBER: VERD-C015-D-U-T1

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	294.0	7.1			
FM	(30°-60°)	1021.4	24.6			
FH	(60°-80°)	746.2	18.0			G1/1800
FVH	(80°-90°)	11.4	0.3			G1/100
BL	(0°-30°)	294.0	7.1	B1/500		
BM	(30°-60°)	1021.4	24.6	B2/2500		
BH	(60°-80°)	746.2	18.0	B2/1000		G1/1800
BVH	(80°-90°)	11.4	0.3			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G1

Type V Short





REPORT NUMBER: P233428

CATALOG NUMBER: VERD-C015-D-U-T1

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	705.7	705.7	705.7	705.7	705.7	705.7	705.7	705.7	705.7	705.7	705.7
2.5°	712.5	711.8	707.8	702.1	700.3	701.7	701.4	699.6	699.6	700.3	695.7
5°	708.2	707.1	702.5	701.0	701.4	703.2	702.8	701.4	702.1	701.4	697.8
7.5°	700.7	699.6	696.7	696.0	695.3	698.2	701.0	702.8	705.0	703.9	701.4
10°	693.5	691.4	691.7	688.1	689.6	694.9	697.8	701.0	704.3	703.9	703.2
12.5°	682.8	680.6	681.7	680.6	685.6	692.1	700.7	706.8	710.3	709.3	710.3
15°	669.5	668.8	670.6	672.0	681.0	695.7	705.0	718.2	726.1	726.4	728.9
17.5°	654.5	653.1	656.3	661.7	678.1	694.2	717.5	732.2	743.6	745.4	747.6
20°	629.1	629.8	634.8	644.1	667.4	696.4	725.0	747.2	763.7	767.9	772.6
22.5°	597.3	599.0	608.3	627.7	657.7	693.9	733.2	764.7	788.3	798.0	800.9
25°	564.0	566.8	581.9	607.6	646.6	692.8	743.6	785.1	818.8	834.2	835.9
27.5°	534.3	536.8	556.1	589.0	636.3	693.2	752.9	809.8	855.3	877.8	881.4
30°	504.2	507.1	527.1	567.9	625.9	692.4	763.7	837.7	898.9	931.1	936.5
32.5°	478.4	481.3	502.1	544.6	613.0	691.4	776.5	871.7	951.5	1003.8	1010.9
35°	456.6	459.8	481.0	522.8	596.5	691.7	795.1	918.2	1033.1	1119.4	1133.3
37.5°	438.4	441.6	460.2	502.4	579.7	688.9	817.7	976.9	1141.2	1284.0	1309.7
40°	426.9	429.8	443.7	481.3	559.3	682.4	843.8	1042.1	1273.2	1481.5	1526.6
42.5°	415.1	418.3	429.8	462.0	537.5	672.8	866.7	1107.6	1411.0	1688.7	1753.1
45°	402.2	404.4	416.9	445.9	516.0	657.7	886.8	1170.2	1555.6	1899.1	1968.9
47.5°	391.5	392.6	402.9	429.8	493.5	635.5	892.1	1223.9	1701.6	2103.8	2172.2
50°	384.3	382.5	392.2	415.5	472.4	604.8	882.8	1263.9	1858.7	2299.2	2364.0
52.5°	373.2	372.9	380.4	401.5	452.3	569.3	849.5	1283.3	2015.8	2482.1	2542.2
55°	362.9	362.9	368.9	385.4	431.2	532.8	792.6	1275.4	2166.4	2655.3	2699.3
57.5°	347.8	347.5	352.5	367.5	406.5	498.5	720.7	1238.9	2288.8	2815.6	2839.6
60°	333.2	332.8	335.7	347.1	382.9	461.6	643.8	1167.3	2410.1	2957.3	2985.9
62.5°	314.6	314.2	317.1	327.1	356.4	422.3	568.3	1080.0	2481.3	3038.9	3112.9
65°	292.4	292.7	296.3	302.7	323.5	380.0	493.5	975.9	2469.5	3091.8	3177.4
67.5°	271.3	270.2	273.0	274.1	289.5	335.7	423.7	893.2	2379.4	3101.1	3147.7
70°	245.1	243.7	243.7	239.4	250.1	283.8	358.2	806.6	2123.1	3016.3	3122.3
72.5°	205.0	205.0	202.9	198.2	205.0	230.1	298.4	710.0	1720.2	2832.4	2963.7
75°	127.8	128.8	133.5	147.8	157.8	173.6	236.5	598.3	1405.3	2356.5	2598.7
77.5°	65.5	66.9	68.7	69.1	71.6	74.8	112.7	334.9	714.3	1174.1	1252.5
80°	16.5	16.8	40.4	45.1	48.3	49.7	41.5	111.6	185.0	173.2	169.3
82.5°	11.1	11.8	23.3	28.6	26.5	20.0	22.9	34.0	27.6	37.6	42.2
85°	6.1	6.1	10.4	11.1	11.5	12.9	11.5	11.1	12.5	24.0	27.9
87.5°	2.9	2.9	4.3	5.4	5.4	6.4	5.4	5.7	5.7	11.1	12.9
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)