

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: P233610

Luminaire Tested: **VERD-C015-D-U-T5-8027**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P233610
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-C015-D-U-T5-8027
Description: VERDEON ROADWAY AND AREA LUMINAIRE
(1) 80 CRI, 2700K, 750mA LED AND TYPE V OPTIC
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3540 lumens
Efficiency: N/A
Efficacy: 118.0 lumens/watt
Luminous Opening: Rectangular (W 0.79' x L: 1.25' x H: 0')
IES Classification: Type V - Short - Non-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

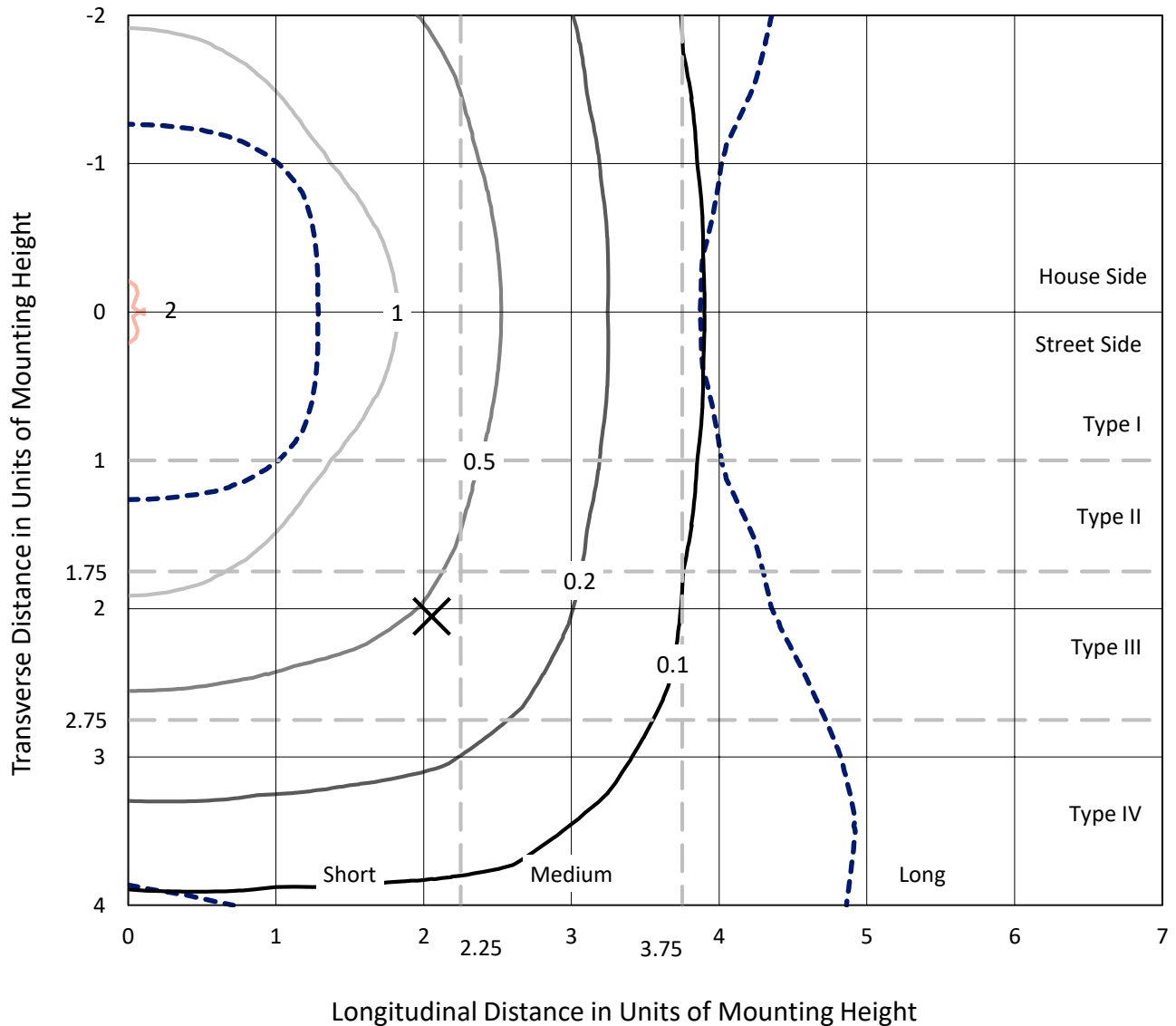


REPORT NUMBER: P233610

CATALOG NUMBER: VERD-C015-D-U-T5-8027

Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

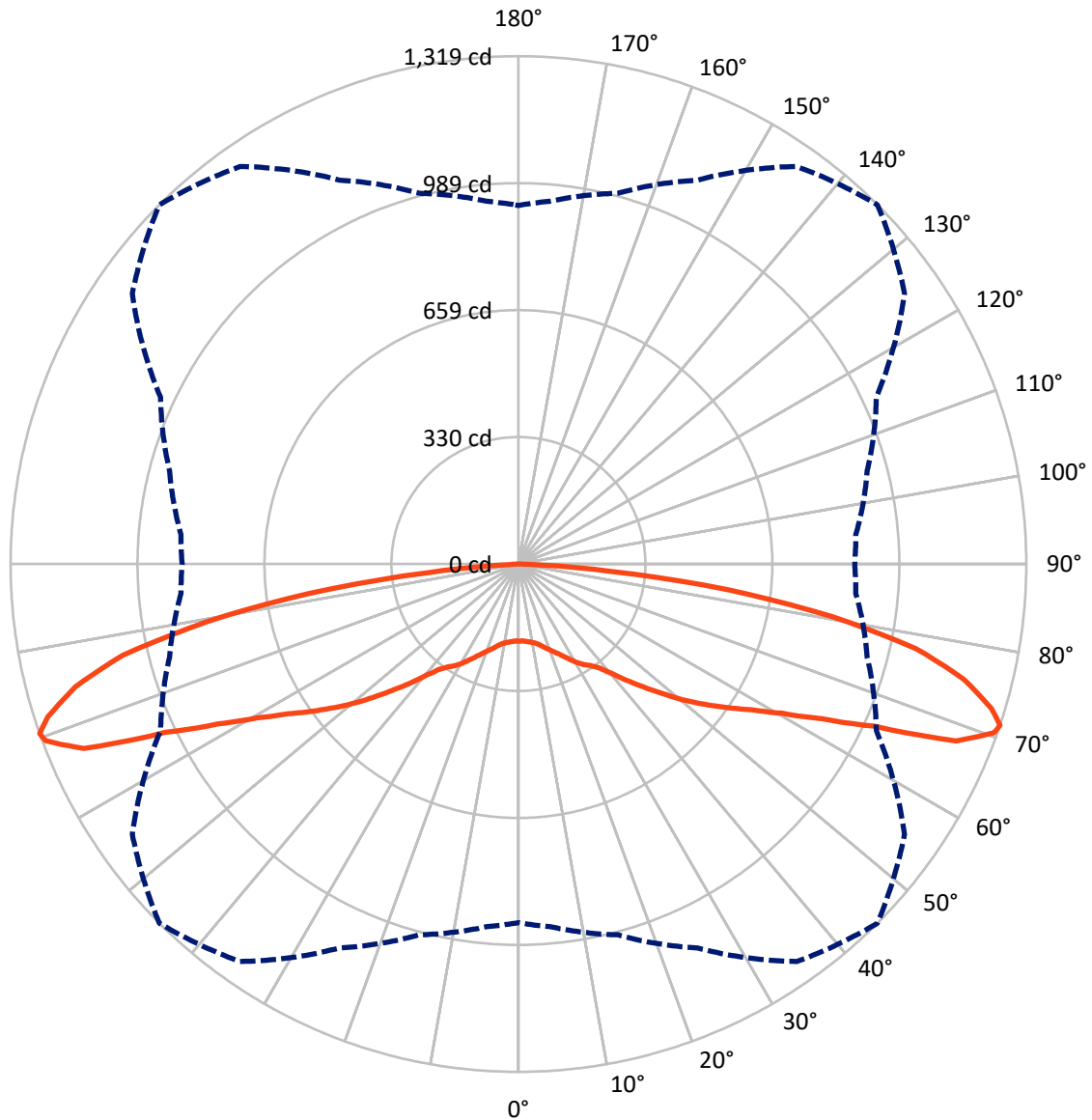


Based on 10 foot mounting height. Maximum calculated value = 2 fc
 Type V - Short - Non-Cutoff

REPORT NUMBER: P233610

CATALOG NUMBER: VERD-C015-D-U-T5-8027

Luminous Intensity Polar Plot



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

REPORT NUMBER: P233610

CATALOG NUMBER: VERD-C015-D-U-T5-8027

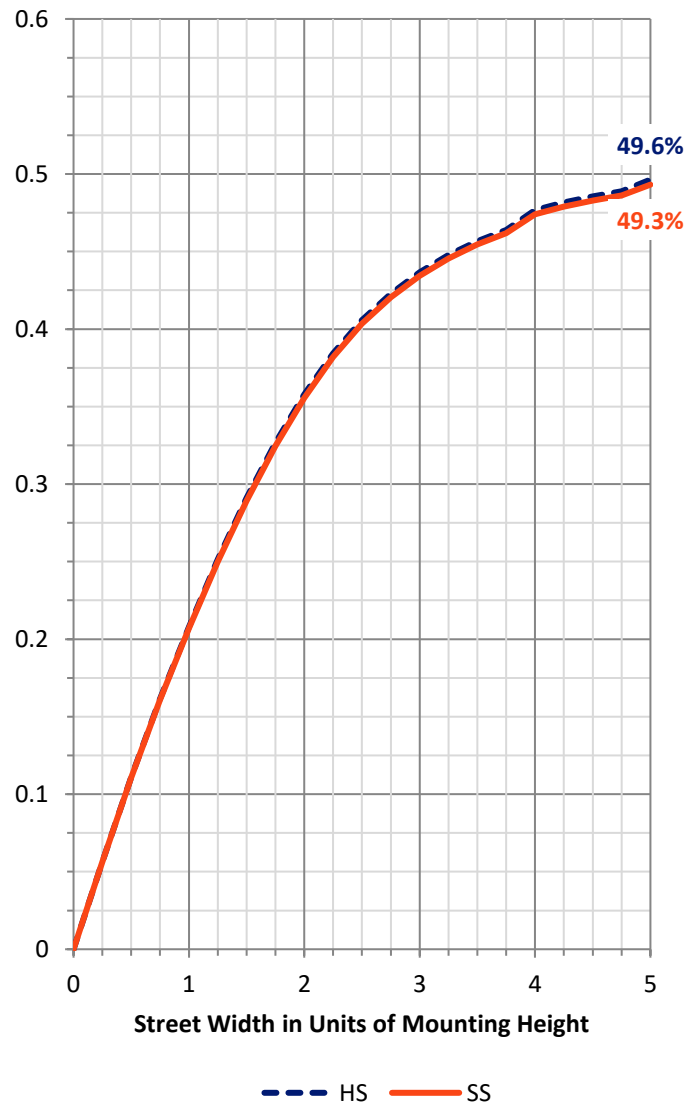
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1770.0	0.0	1770.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	1770.0	0.0	1770.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	3540.0	0.0	3540.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	19.5	0.6
10°-20°	62.6	1.8
20°-30°	120.6	3.4
30°-40°	204.0	5.8
40°-50°	371.0	10.5
50°-60°	632.8	17.9
60°-70°	1014.8	28.7
70°-80°	922.7	26.1
80°-90°	191.9	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°	3540.0	100.0
0°-180°	3540.0	100.0



REPORT NUMBER: P233610

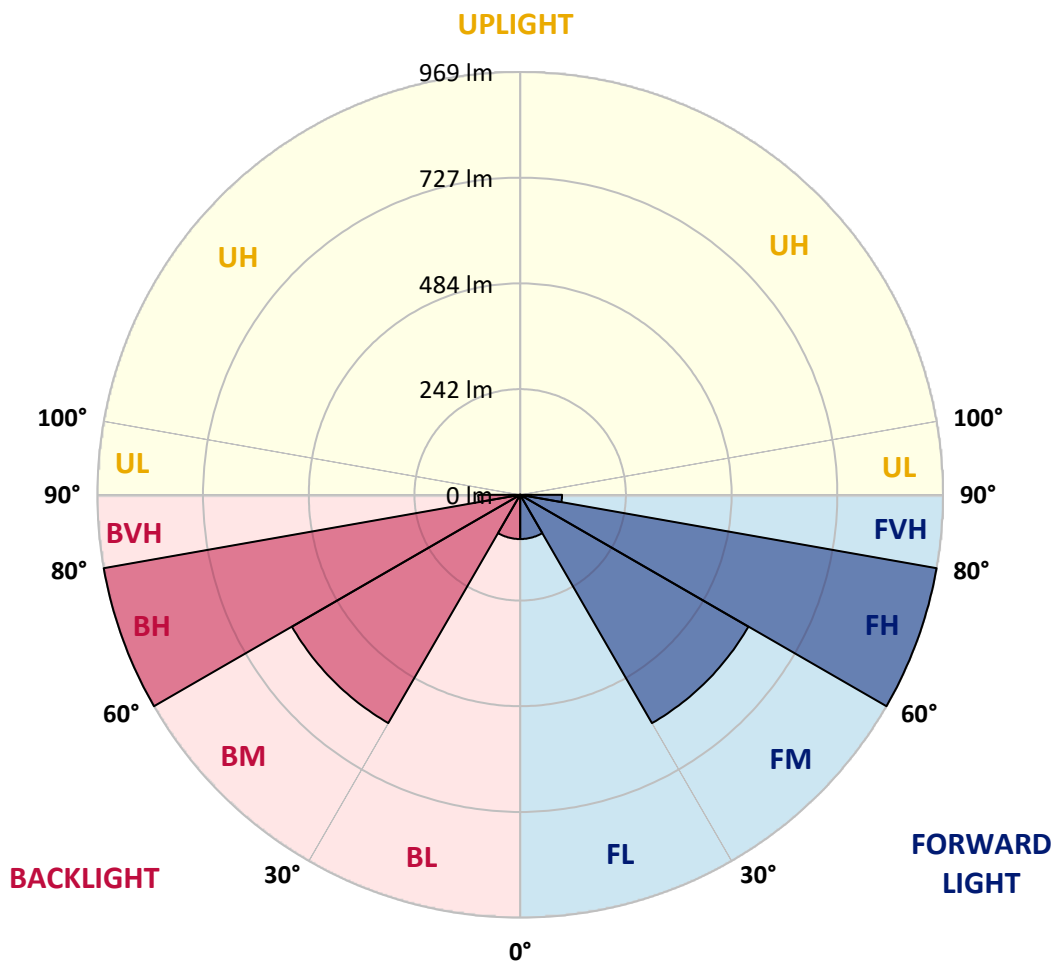
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	101.4	2.9			
FM (30°-60°)	603.9	17.1			
FH (60°-80°)	968.7	27.4			G1/1800
FVH (80°-90°)	96.0	2.7			G1/100
BL (0°-30°)	101.4	2.9	B0/110		
BM (30°-60°)	603.9	17.1	B1/1000		
BH (60°-80°)	968.7	27.4	B2/1000		G1/1800
BVH (80°-90°)	96.0	2.7			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: P233610

CATALOG NUMBER: VERD-C015-D-U-T5-8027

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	200.6	200.6	200.6	200.6	200.6	200.6	200.6	200.6	200.6	200.6	200.6
2.5°	202.5	202.5	202.1	200.6	200.9	199.9	199.3	199.6	199.9	199.9	199.6
5°	204.0	204.0	203.7	202.5	202.8	201.8	201.5	201.8	202.5	203.1	202.5
7.5°	207.2	206.9	206.2	205.0	205.0	204.3	203.7	204.0	204.7	205.0	204.7
10°	210.7	210.3	209.4	208.1	208.1	207.5	206.2	206.2	206.2	205.9	205.6
12.5°	214.4	214.1	213.2	211.9	212.9	211.9	211.0	210.7	209.7	209.1	208.8
15°	220.4	220.1	219.2	218.2	220.7	219.5	217.9	216.3	215.7	215.1	214.4
17.5°	227.7	227.4	226.7	226.1	229.3	229.3	226.4	223.6	223.9	223.0	222.3
20°	236.2	235.9	235.3	235.9	239.4	239.0	235.3	231.8	233.0	231.2	230.5
22.5°	246.9	246.3	245.3	246.3	251.3	250.4	245.7	242.5	243.5	242.5	241.9
25°	258.6	257.3	256.1	257.3	265.5	263.6	258.9	255.1	257.0	256.4	256.1
27.5°	269.9	268.7	267.7	266.8	279.4	279.1	272.8	269.0	271.2	271.5	271.8
30°	281.0	280.7	279.1	277.8	291.4	295.8	285.1	283.5	285.1	287.0	287.6
32.5°	295.8	295.2	293.6	291.4	300.5	311.3	299.3	300.5	303.1	306.8	306.5
35°	315.7	314.1	311.9	309.7	315.4	323.9	318.5	321.0	325.4	329.9	329.2
37.5°	336.8	336.5	334.3	328.9	335.2	342.8	341.2	345.9	353.5	362.3	361.1
40°	367.1	367.4	362.7	355.7	361.1	373.4	375.0	384.7	398.0	410.6	410.9
42.5°	414.7	413.7	410.3	400.5	404.0	413.1	420.7	435.8	452.2	465.1	467.0
45°	473.7	472.4	465.5	450.0	449.1	455.7	466.7	486.3	506.1	518.8	519.7
47.5°	541.1	536.7	526.0	505.8	498.6	501.7	513.1	534.8	555.3	569.2	568.3
50°	607.7	608.0	595.1	568.6	554.1	554.1	560.7	583.4	604.2	617.1	617.5
52.5°	682.7	679.9	667.3	635.4	611.8	605.2	607.4	628.8	650.3	664.1	664.1
55°	758.4	755.6	743.3	708.0	677.4	658.1	655.9	676.1	699.5	712.7	714.3
57.5°	836.3	834.4	821.5	783.0	744.9	714.3	709.2	732.3	756.8	770.1	771.0
60°	917.4	914.8	901.9	872.0	825.3	786.8	777.3	800.7	830.0	847.4	846.4
62.5°	1011.7	1008.5	998.4	959.9	926.8	885.2	866.6	893.4	928.4	948.6	950.2
65°	1087.3	1088.6	1098.1	1092.4	1061.5	1016.1	997.5	1040.4	1060.5	1064.0	1061.5
67.5°	1067.5	1072.2	1093.0	1140.0	1195.8	1225.8	1152.6	1101.2	1062.7	1040.4	1037.2
70°	981.7	985.2	1035.0	1111.9	1259.8	1310.9	1218.5	1051.1	970.3	935.7	931.6
71°	931.2	945.4	996.8	1100.0	1260.2	1318.8	1223.9	1025.5	937.9	879.5	873.2
72.5°	854.3	866.6	931.2	1054.9	1241.9	1284.7	1167.1	965.6	864.1	815.5	799.4
75°	696.6	719.3	776.4	939.1	1158.3	1194.2	1065.6	851.8	743.0	690.3	686.2
77.5°	495.4	510.9	597.3	772.9	1021.1	1054.9	942.0	716.2	601.1	552.2	546.8
80°	275.3	290.8	381.9	543.4	788.4	822.4	720.9	523.2	408.4	356.3	334.9
82.5°	123.3	132.4	199.6	322.0	505.8	550.0	438.0	287.6	196.8	139.4	128.0
85°	42.9	47.6	79.5	146.0	258.9	239.0	150.1	71.9	25.2	12.3	11.4
87.5°	8.2	9.1	17.3	40.7	42.3	19.6	6.3	4.7	4.7	5.0	5.0
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)