

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: P234018

Luminaire Tested: **VERD-C013-D-U-T1-7030**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P234018
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-C013-D-U-T1-7030
Description: VERDEON ROADWAY AND AREA LUMINAIRE
(1) 70 CRI, 3000K, 560mA LED AND TYPE I OPTIC
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3097 lumens
Efficiency: N/A
Efficacy: 129.0 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 - G0

Input Watts (W): 24
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

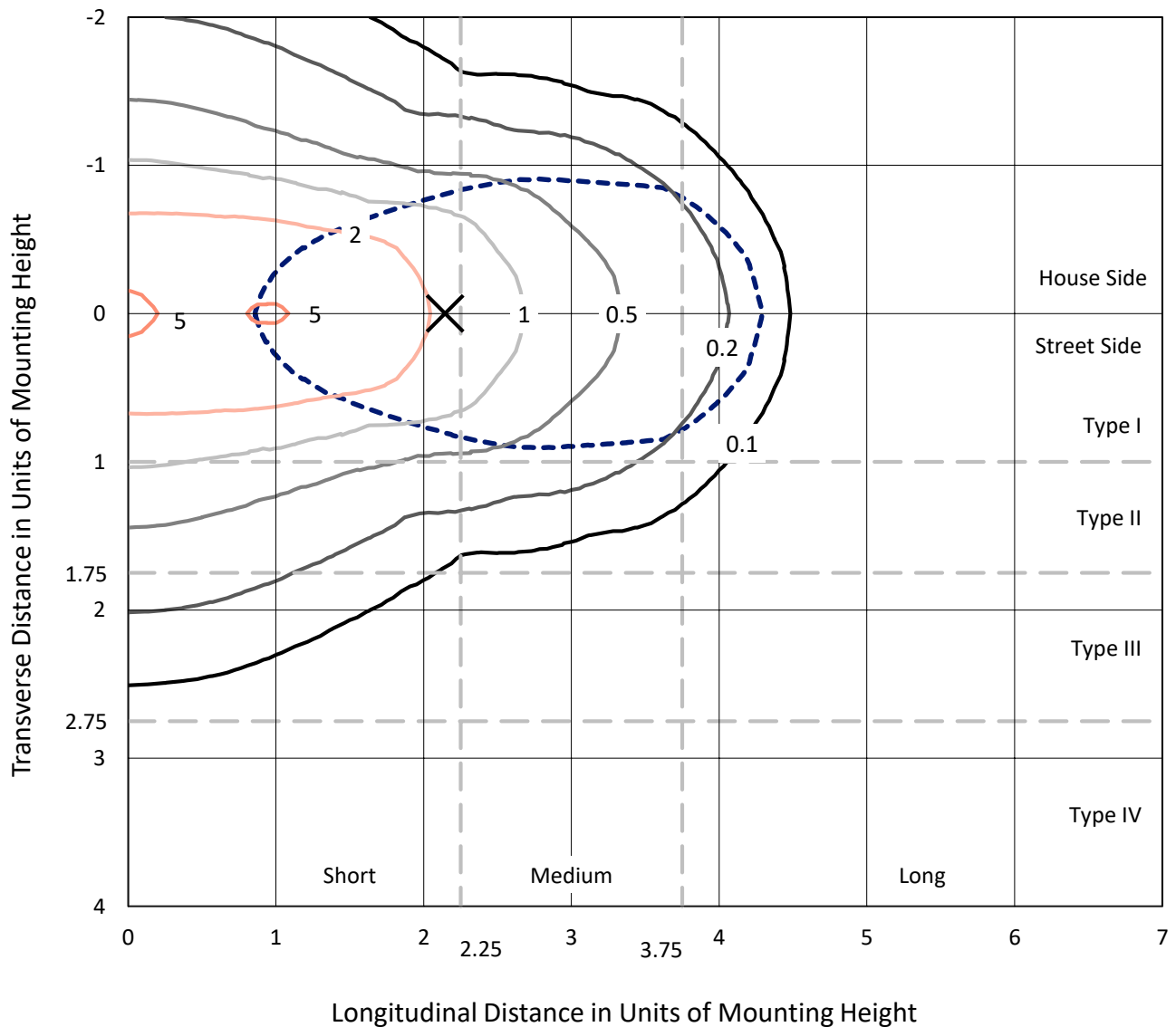


REPORT NUMBER: P234018

CATALOG NUMBER: VERD-C013-D-U-T1-7030

Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
 - - - 1/2 Max cd

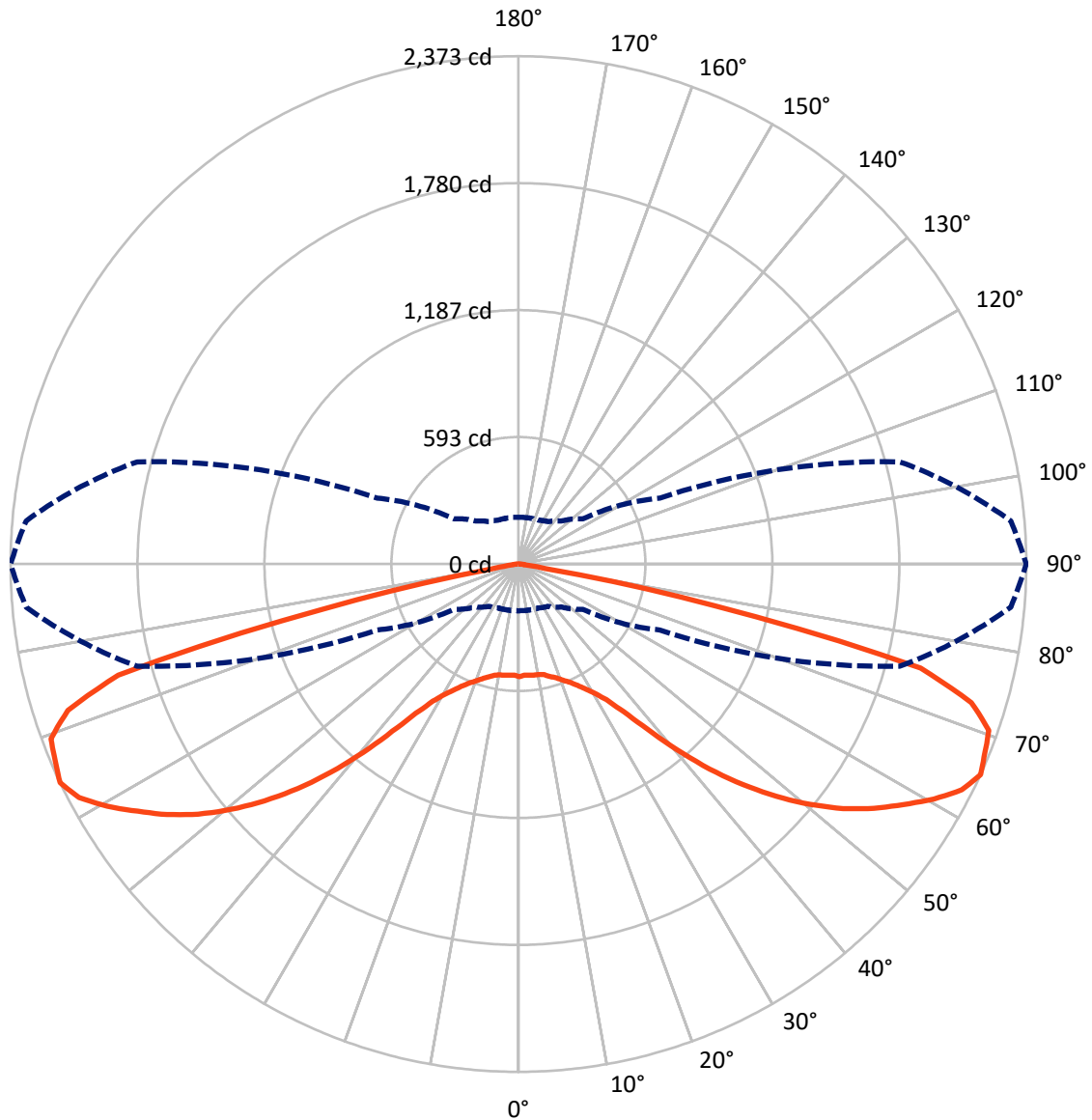


Based on 10 foot mounting height. Maximum calculated value = 5.3 fc
 Type V - Short - Full Cutoff

REPORT NUMBER: P234018

CATALOG NUMBER: VERD-C013-D-U-T1-7030

Luminous Intensity Polar Plot



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

REPORT NUMBER: P234018

CATALOG NUMBER: VERD-C013-D-U-T1-7030

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1548.5	0.0	1548.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	1548.5	0.0	1548.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	3097.0	0.0	3097.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	49.9	1.6
10°-20°	147.5	4.8
20°-30°	241.8	7.8
30°-40°	349.7	11.3
40°-50°	512.0	16.5
50°-60°	664.2	21.4
60°-70°	702.5	22.7
70°-80°	412.4	13.3
80°-90°	17.0	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°	3097.0	100.0
0°-180°	3097.0	100.0



REPORT NUMBER: P234018

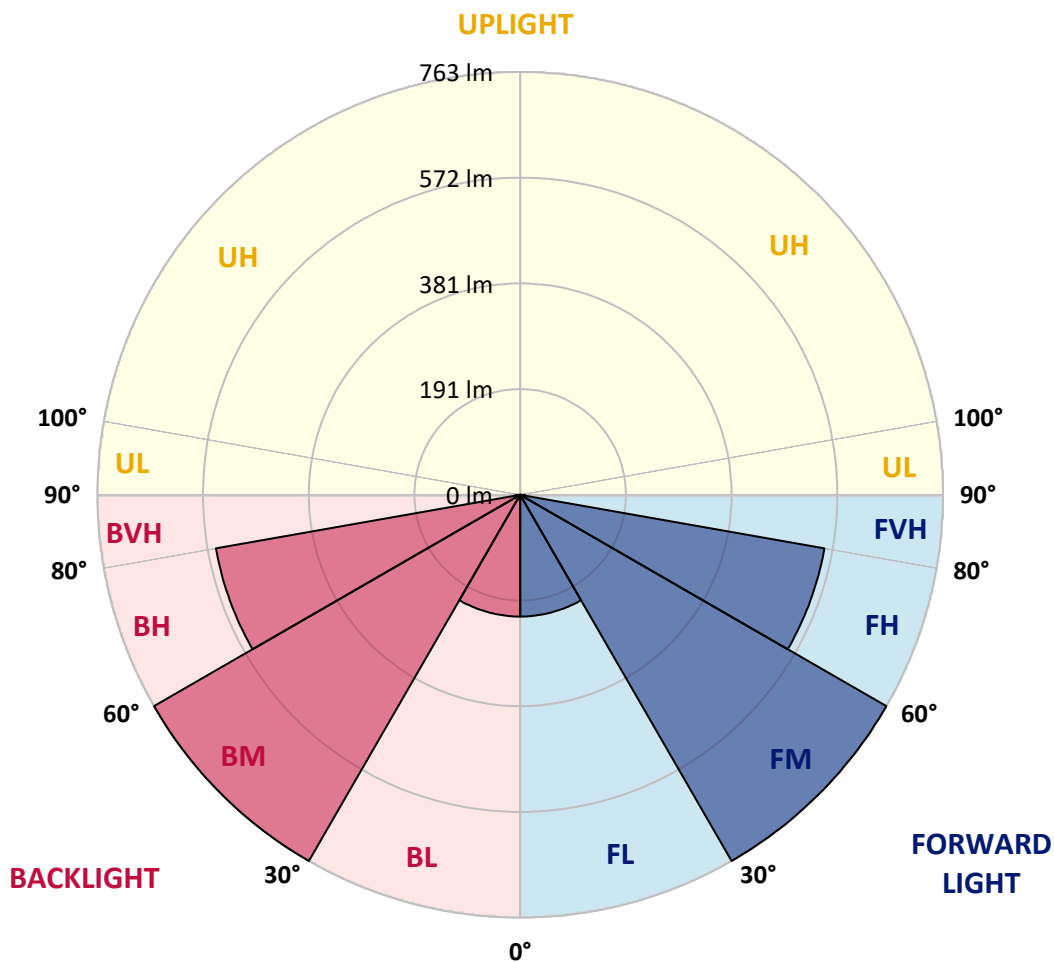
CATALOG NUMBER: VERD-C013-D-U-T1-7030

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	219.6	7.1			
FM (30°-60°)	763.0	24.6			
FH (60°-80°)	557.4	18.0			G0/660
FVH (80°-90°)	8.5	0.3			G0/10
BL (0°-30°)	219.6	7.1	B1/500		
BM (30°-60°)	763.0	24.6	B1/1000		
BH (60°-80°)	557.4	18.0	B2/1000		G0/660
BVH (80°-90°)	8.5	0.3			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G0

Type V Short





REPORT NUMBER: P234018

CATALOG NUMBER: VERD-C013-D-U-T1-7030

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	527.1	527.1	527.1	527.1	527.1	527.1	527.1	527.1	527.1	527.1	527.1
2.5°	532.2	531.7	528.7	524.5	523.1	524.2	523.9	522.6	522.6	523.1	519.6
5°	529.0	528.2	524.7	523.7	523.9	525.3	525.0	523.9	524.5	523.9	521.3
7.5°	523.4	522.6	520.5	519.9	519.4	521.5	523.7	525.0	526.6	525.8	523.9
10°	518.0	516.4	516.7	514.0	515.1	519.1	521.3	523.7	526.1	525.8	525.3
12.5°	510.0	508.4	509.2	508.4	512.2	517.0	523.4	527.9	530.6	529.8	530.6
15°	500.1	499.6	500.9	502.0	508.7	519.6	526.6	536.5	542.4	542.6	544.5
17.5°	488.9	487.8	490.2	494.3	506.6	518.6	536.0	546.9	555.5	556.8	558.4
20°	469.9	470.5	474.2	481.2	498.5	520.2	541.6	558.1	570.4	573.6	577.1
22.5°	446.1	447.5	454.4	468.9	491.3	518.3	547.7	571.2	588.9	596.1	598.2
25°	421.3	423.4	434.6	453.9	483.0	517.5	555.5	586.5	611.6	623.1	624.4
27.5°	399.1	401.0	415.4	440.0	475.3	517.8	562.4	604.9	638.9	655.7	658.4
30°	376.6	378.8	393.7	424.2	467.5	517.2	570.4	625.8	671.5	695.5	699.5
32.5°	357.4	359.5	375.0	406.8	457.9	516.4	580.1	651.2	710.8	749.8	755.1
35°	341.1	343.5	359.3	390.5	445.6	516.7	594.0	685.9	771.7	836.1	846.6
37.5°	327.5	329.9	343.8	375.3	433.0	514.6	610.8	729.8	852.5	959.1	978.4
40°	318.9	321.0	331.5	359.5	417.8	509.8	630.3	778.4	951.1	1106.7	1140.3
42.5°	310.1	312.5	321.0	345.1	401.5	502.5	647.4	827.3	1054.0	1261.4	1309.5
45°	300.5	302.1	311.4	333.1	385.5	491.3	662.4	874.1	1162.0	1418.6	1470.7
47.5°	292.4	293.2	301.0	321.0	368.6	474.7	666.4	914.2	1271.1	1571.5	1622.6
50°	287.1	285.8	293.0	310.3	352.8	451.8	659.5	944.1	1388.4	1717.5	1765.8
52.5°	278.8	278.5	284.2	299.9	337.9	425.3	634.6	958.6	1505.8	1854.1	1899.0
55°	271.1	271.1	275.6	287.9	322.1	398.0	592.1	952.7	1618.3	1983.4	2016.3
57.5°	259.8	259.6	263.3	274.5	303.7	372.4	538.4	925.4	1709.7	2103.2	2121.1
60°	248.9	248.6	250.7	259.3	286.0	344.8	480.9	872.0	1800.3	2209.0	2230.4
62.5°	235.0	234.7	236.8	244.3	266.2	315.4	424.5	806.7	1853.5	2270.0	2325.3
65°	218.4	218.7	221.3	226.1	241.6	283.9	368.6	729.0	1844.7	2309.6	2373.4
67.5°	202.6	201.8	204.0	204.8	216.3	250.7	316.5	667.2	1777.3	2316.5	2351.3
70°	183.1	182.0	182.0	178.8	186.8	212.0	267.6	602.5	1585.9	2253.2	2332.3
72.5°	153.2	153.2	151.6	148.1	153.2	171.9	222.9	530.3	1285.0	2115.8	2213.9
75°	95.4	96.2	99.7	110.4	117.9	129.6	176.7	446.9	1049.7	1760.2	1941.2
77.5°	48.9	50.0	51.3	51.6	53.5	55.9	84.2	250.2	533.6	877.0	935.6
80°	12.3	12.6	30.2	33.7	36.1	37.2	31.0	83.4	138.2	129.4	126.4
82.5°	8.3	8.8	17.4	21.4	19.8	15.0	17.1	25.4	20.6	28.1	31.5
85°	4.5	4.5	7.8	8.3	8.6	9.6	8.6	8.3	9.4	17.9	20.9
87.5°	2.1	2.1	3.2	4.0	4.0	4.8	4.0	4.3	4.3	8.3	9.6
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)