

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: P234034

Luminaire Tested: **VERD-C013-D-U-T5-7030**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P234034
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-C013-D-U-T5-7030
Description: VERDEON ROADWAY AND AREA LUMINAIRE
(1) 70 CRI, 3000K, 560mA LED AND TYPE V OPTIC
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3001 lumens
Efficiency: N/A
Efficacy: 125.0 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): 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

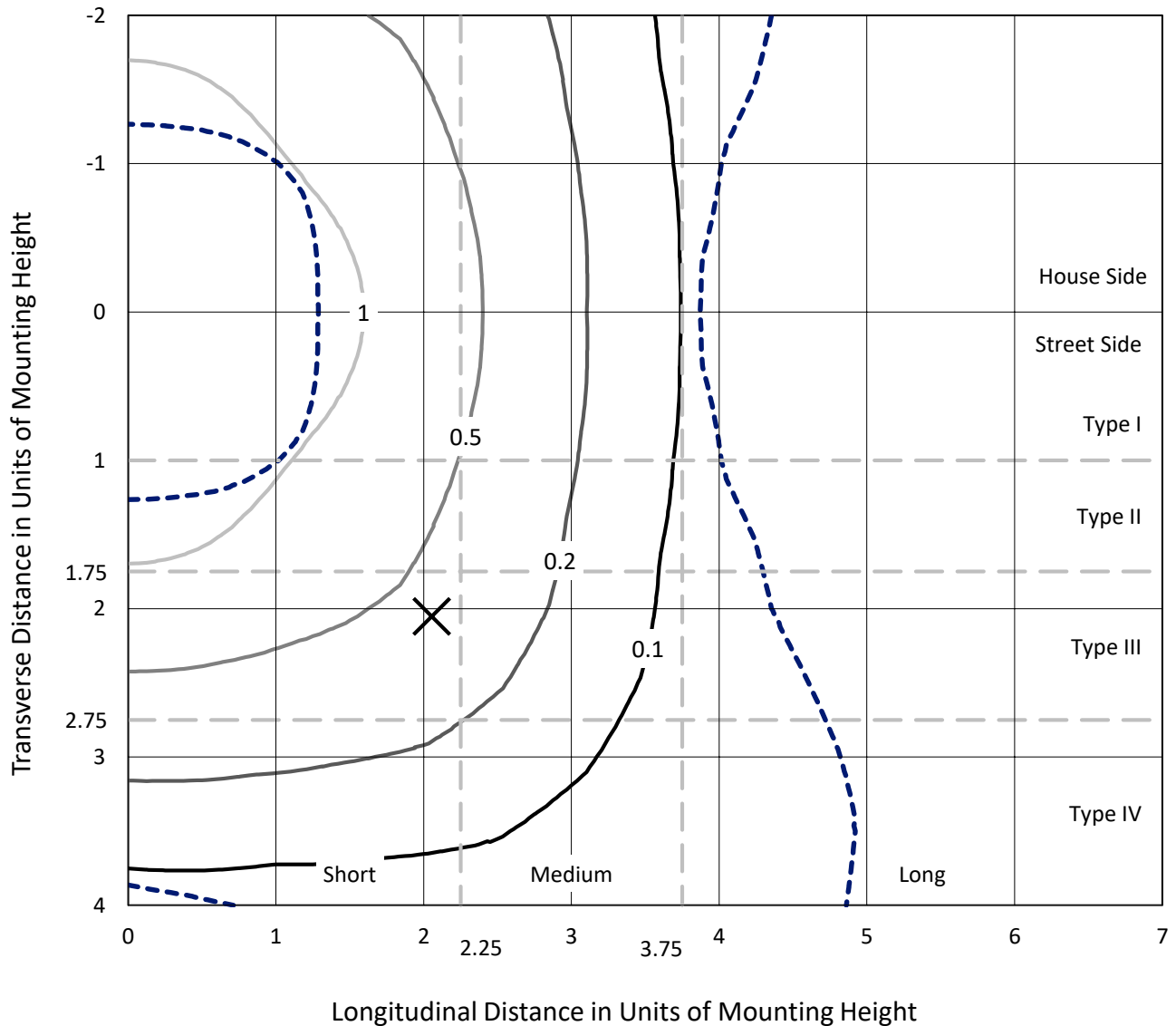


REPORT NUMBER: P234034

CATALOG NUMBER: VERD-C013-D-U-T5-7030

Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

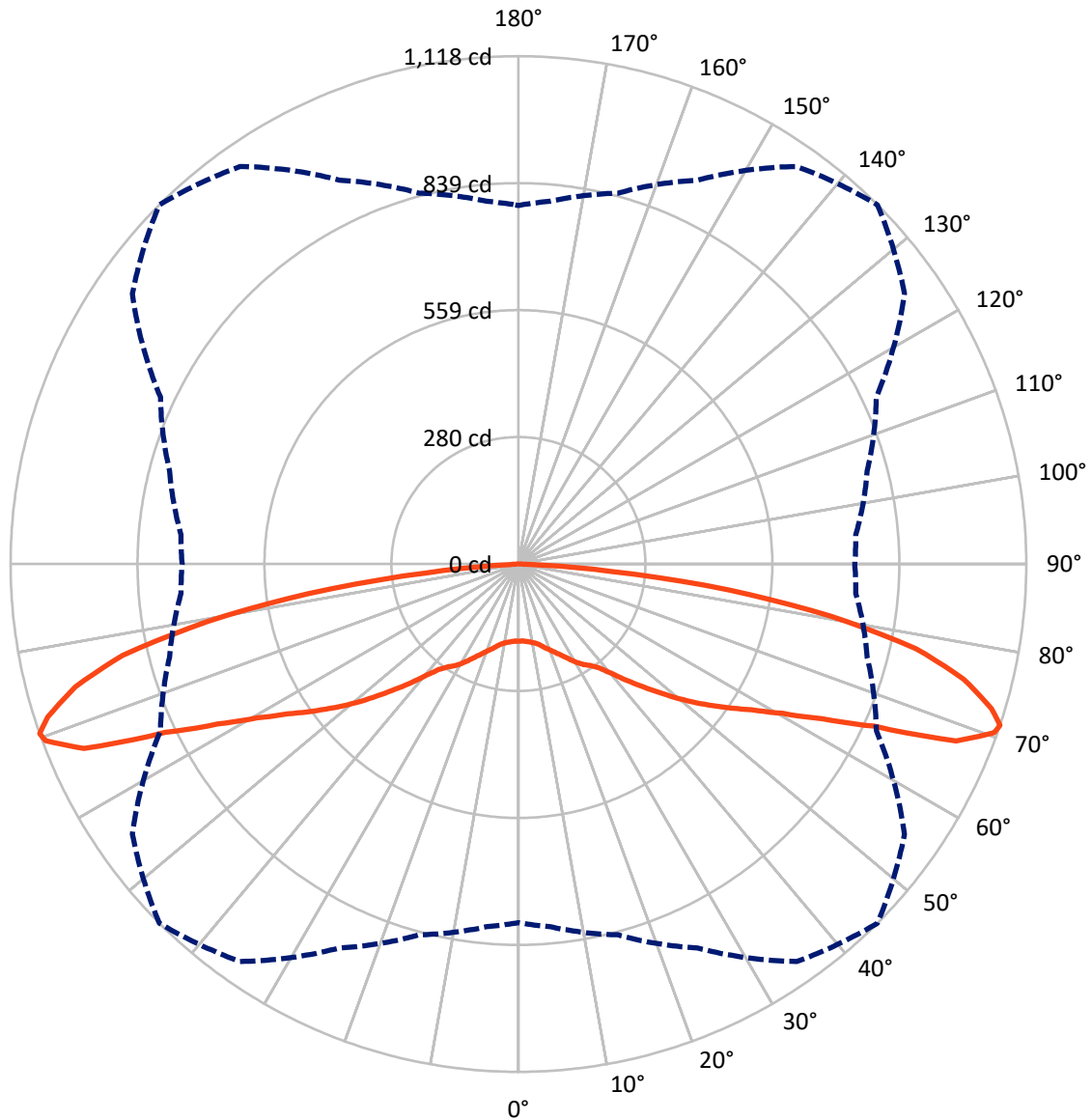


Based on 10 foot mounting height. Maximum calculated value = 1.7 fc
 Type V - Short - Non-Cutoff

REPORT NUMBER: P234034

CATALOG NUMBER: VERD-C013-D-U-T5-7030

Luminous Intensity Polar Plot



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

REPORT NUMBER: P234034

CATALOG NUMBER: VERD-C013-D-U-T5-7030

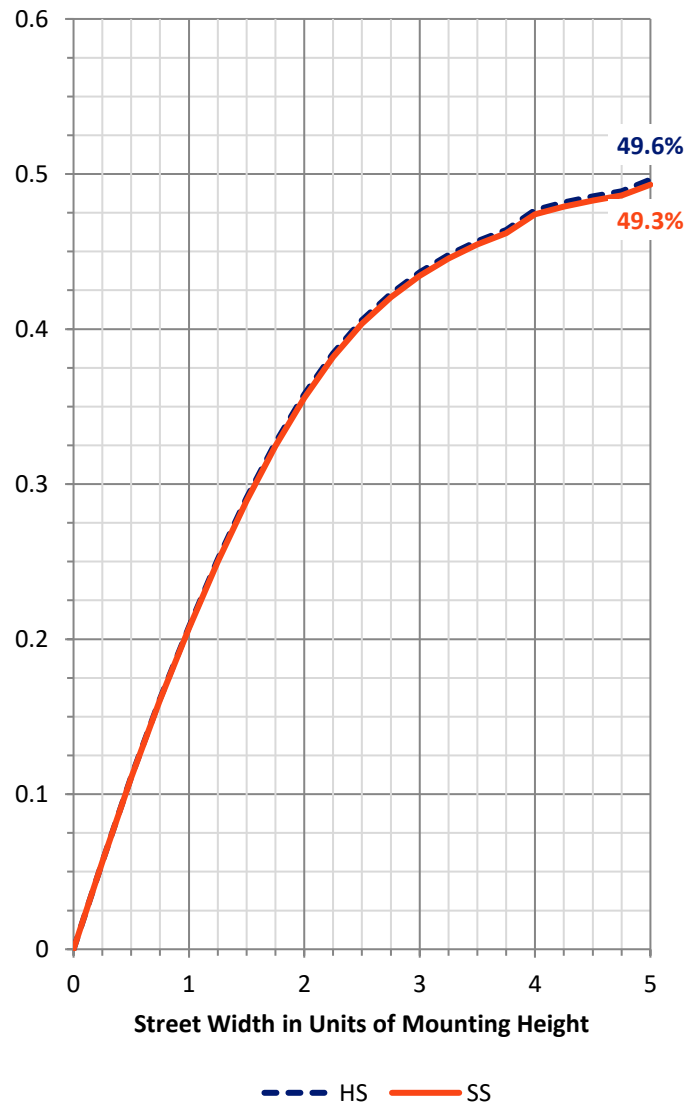
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1500.5	0.0	1500.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	1500.5	0.0	1500.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	3001.0	0.0	3001.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	16.5	0.6
10°-20°	53.0	1.8
20°-30°	102.3	3.4
30°-40°	172.9	5.8
40°-50°	314.5	10.5
50°-60°	536.5	17.9
60°-70°	860.3	28.7
70°-80°	782.2	26.1
80°-90°	162.7	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°	3001.0	100.0
0°-180°	3001.0	100.0



REPORT NUMBER: P234034

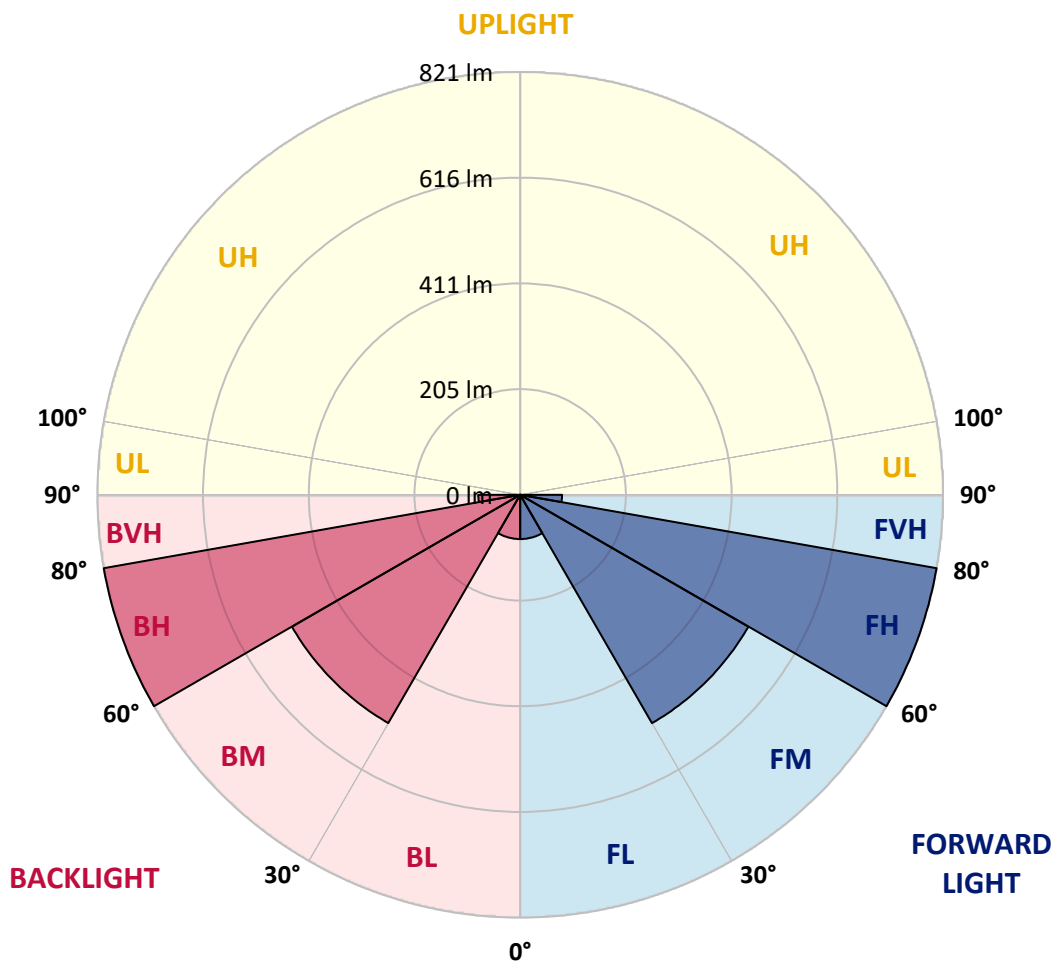
CATALOG NUMBER: VERD-C013-D-U-T5-7030

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	85.9	2.9			
FM (30°-60°)	512.0	17.1			
FH (60°-80°)	821.2	27.4			G1/1800
FVH (80°-90°)	81.4	2.7			G1/100
BL (0°-30°)	85.9	2.9	B0/110		
BM (30°-60°)	512.0	17.1	B1/1000		
BH (60°-80°)	821.2	27.4	B2/1000		G1/1800
BVH (80°-90°)	81.4	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: P234034

CATALOG NUMBER: VERD-C013-D-U-T5-7030

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	170.0	170.0	170.0	170.0	170.0	170.0	170.0	170.0	170.0	170.0	170.0
2.5°	171.6	171.6	171.4	170.0	170.3	169.5	169.0	169.2	169.5	169.5	169.2
5°	173.0	173.0	172.7	171.6	171.9	171.1	170.8	171.1	171.6	172.2	171.6
7.5°	175.6	175.4	174.8	173.8	173.8	173.2	172.7	173.0	173.5	173.8	173.5
10°	178.6	178.3	177.5	176.4	176.4	175.9	174.8	174.8	174.8	174.6	174.3
12.5°	181.8	181.5	180.7	179.7	180.5	179.7	178.8	178.6	177.8	177.2	177.0
15°	186.9	186.6	185.8	185.0	187.1	186.1	184.7	183.4	182.9	182.3	181.8
17.5°	193.0	192.8	192.2	191.7	194.4	194.4	191.9	189.5	189.8	189.0	188.5
20°	200.2	200.0	199.4	200.0	202.9	202.6	199.4	196.5	197.6	196.0	195.4
22.5°	209.3	208.8	208.0	208.8	213.1	212.3	208.3	205.6	206.4	205.6	205.0
25°	219.2	218.1	217.1	218.1	225.1	223.5	219.5	216.3	217.9	217.3	217.1
27.5°	228.8	227.8	227.0	226.2	236.9	236.6	231.2	228.0	229.9	230.2	230.4
30°	238.2	237.9	236.6	235.5	247.0	250.8	241.7	240.3	241.7	243.3	243.8
32.5°	250.8	250.2	248.9	247.0	254.8	263.9	253.7	254.8	256.9	260.1	259.9
35°	267.6	266.3	264.4	262.5	267.3	274.6	270.0	272.1	275.9	279.6	279.1
37.5°	285.5	285.2	283.4	278.8	284.2	290.6	289.3	293.3	299.7	307.2	306.1
40°	311.2	311.4	307.4	301.6	306.1	316.5	317.9	326.2	337.4	348.1	348.3
42.5°	351.5	350.7	347.8	339.5	342.5	350.2	356.6	369.5	383.4	394.3	395.9
45°	401.5	400.5	394.6	381.5	380.7	386.3	395.7	412.2	429.1	439.8	440.6
47.5°	458.8	455.0	445.9	428.8	422.7	425.3	435.0	453.4	470.8	482.5	481.7
50°	515.2	515.4	504.5	482.0	469.7	469.7	475.3	494.6	512.2	523.2	523.4
52.5°	578.8	576.4	565.7	538.7	518.6	513.0	514.9	533.1	551.3	563.0	563.0
55°	642.9	640.5	630.1	600.2	574.2	557.9	556.1	573.2	593.0	604.2	605.5
57.5°	709.0	707.4	696.4	663.8	631.5	605.5	601.2	620.8	641.6	652.8	653.6
60°	777.7	775.5	764.6	739.2	699.6	667.0	659.0	678.8	703.6	718.3	717.5
62.5°	857.6	854.9	846.4	813.8	785.7	750.4	734.6	757.4	787.0	804.2	805.5
65°	921.8	922.8	930.9	926.1	899.9	861.4	845.6	881.9	899.1	902.0	899.9
67.5°	904.9	908.9	926.6	966.4	1013.7	1039.1	977.1	933.5	900.9	881.9	879.3
70°	832.2	835.2	877.4	942.6	1068.0	1111.3	1033.0	891.0	822.6	793.2	789.7
71°	789.4	801.5	845.1	932.5	1068.3	1118.0	1037.5	869.4	795.1	745.6	740.3
72.5°	724.2	734.6	789.4	894.2	1052.8	1089.1	989.4	818.6	732.5	691.3	677.7
75°	590.5	609.8	658.2	796.1	981.9	1012.4	903.3	722.1	629.8	585.2	581.7
77.5°	420.0	433.1	506.3	655.2	865.6	894.2	798.5	607.1	509.5	468.1	463.6
80°	233.4	246.5	323.7	460.6	668.3	697.2	611.1	443.5	346.2	302.1	283.9
82.5°	104.5	112.3	169.2	273.0	428.8	466.2	371.3	243.8	166.8	118.2	108.5
85°	36.4	40.4	67.4	123.8	219.5	202.6	127.3	61.0	21.4	10.4	9.6
87.5°	7.0	7.8	14.7	34.5	35.8	16.6	5.3	4.0	4.0	4.3	4.3
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)