

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: P234035

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

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P234035
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
Description: VERDEON ROADWAY AND AREA LUMINAIRE
(1) 70 CRI, 4000K, 560mA LED AND TYPE V OPTIC
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3084 lumens
Efficiency: N/A
Efficacy: 128.5 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

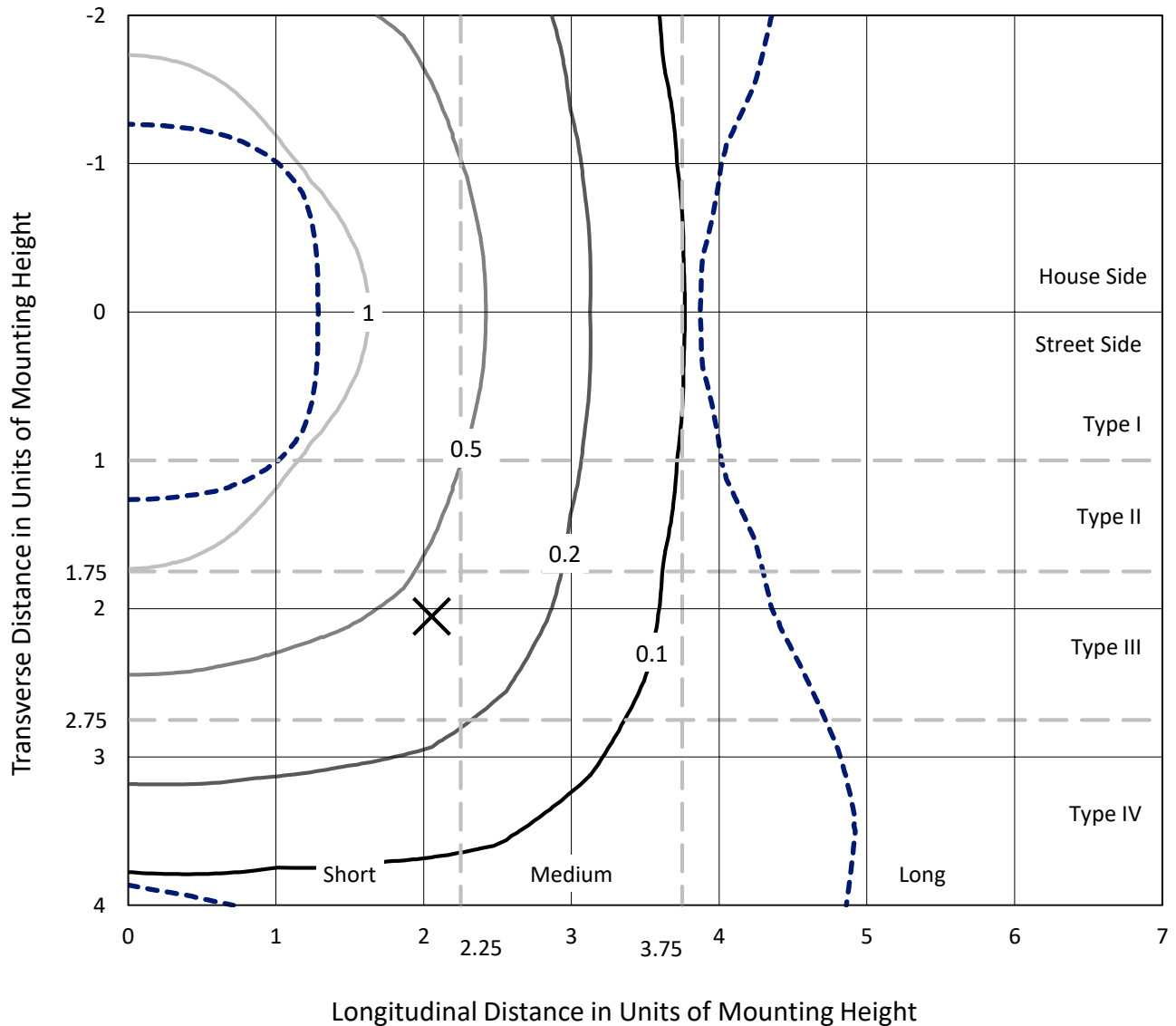
Input Watts (W): 24
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

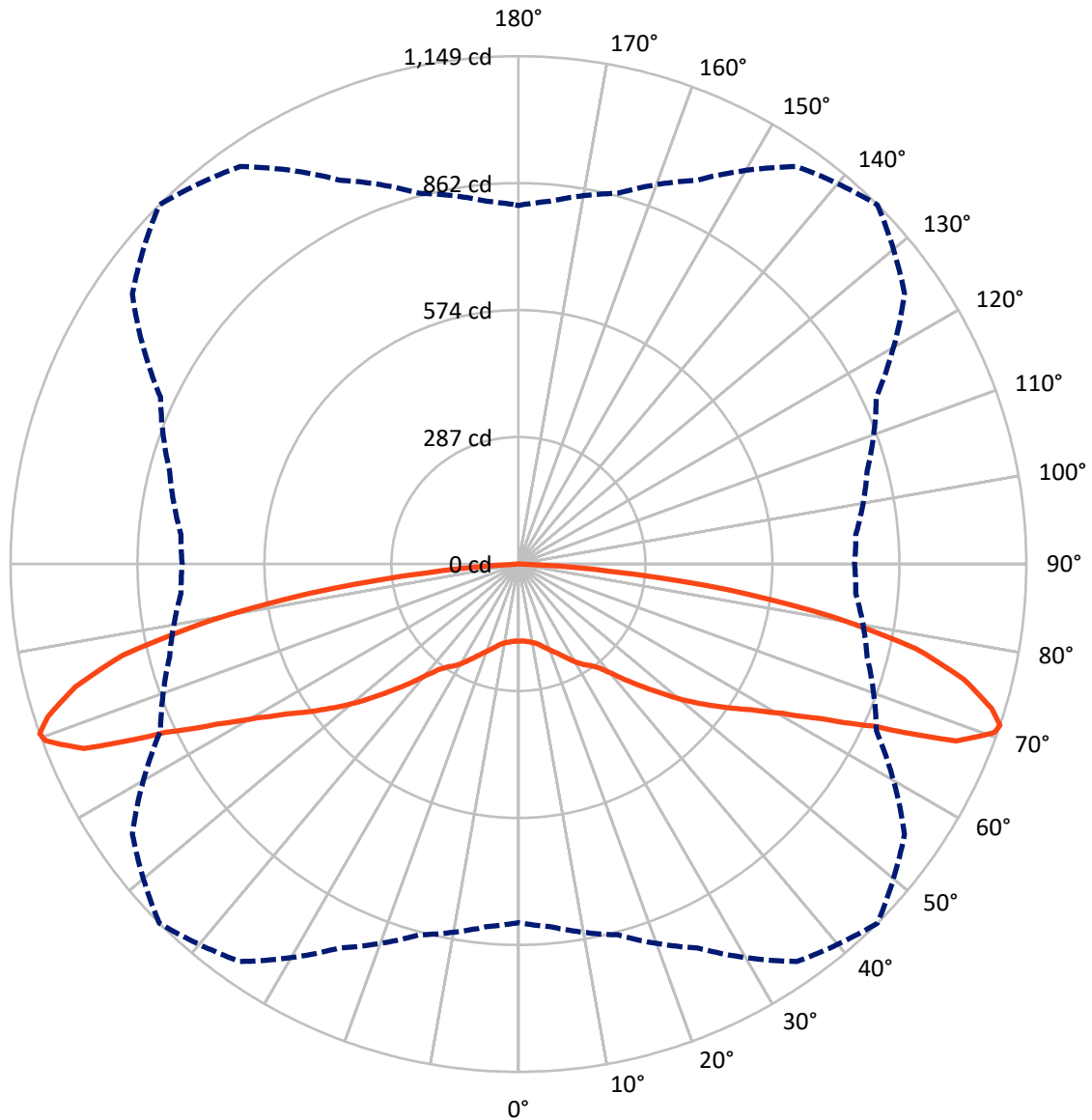


Based on 10 foot mounting height. Maximum calculated value = 1.8 fc
 Type V - Short - Non-Cutoff

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Luminous Intensity Polar Plot



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

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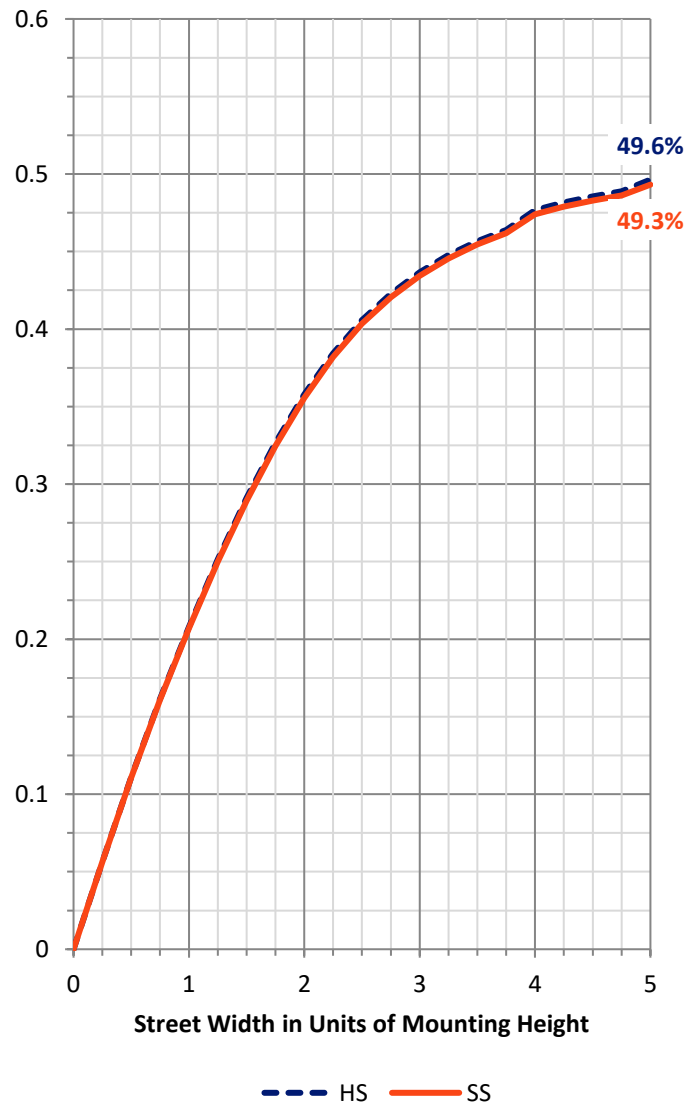
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1542.0	0.0	1542.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	1542.0	0.0	1542.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	3084.0	0.0	3084.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	17.0	0.6
10°-20°	54.5	1.8
20°-30°	105.1	3.4
30°-40°	177.7	5.8
40°-50°	323.2	10.5
50°-60°	551.3	17.9
60°-70°	884.1	28.7
70°-80°	803.8	26.1
80°-90°	167.2	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°	3084.0	100.0
0°-180°	3084.0	100.0



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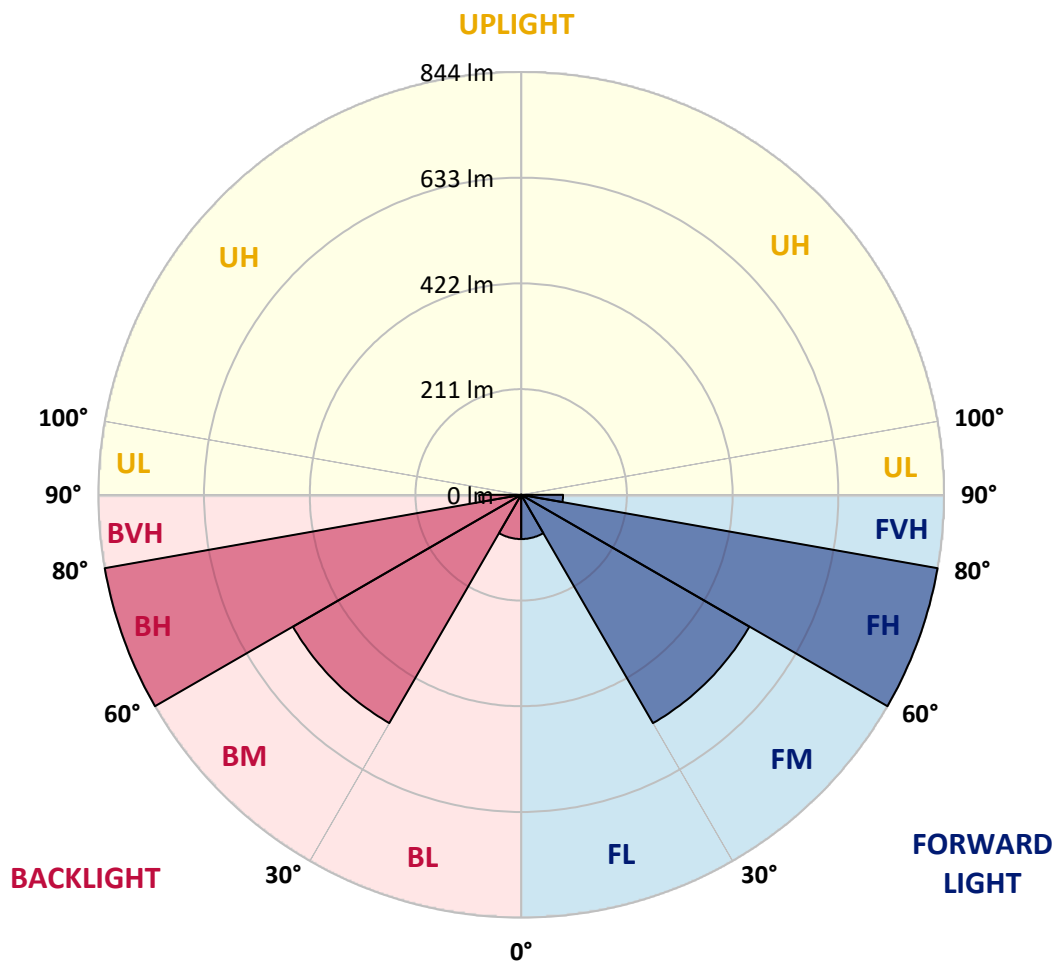
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	88.3	2.9			
FM (30°-60°)	526.1	17.1			
FH (60°-80°)	844.0	27.4			G1/1800
FVH (80°-90°)	83.6	2.7			G1/100
BL (0°-30°)	88.3	2.9	B0/110		
BM (30°-60°)	526.1	17.1	B1/1000		
BH (60°-80°)	844.0	27.4	B2/1000		G1/1800
BVH (80°-90°)	83.6	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





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	174.7	174.7	174.7	174.7	174.7	174.7	174.7	174.7	174.7	174.7	174.7
2.5°	176.4	176.4	176.1	174.7	175.0	174.2	173.6	173.9	174.2	174.2	173.9
5°	177.8	177.8	177.5	176.4	176.7	175.8	175.6	175.8	176.4	176.9	176.4
7.5°	180.5	180.2	179.7	178.6	178.6	178.0	177.5	177.8	178.3	178.6	178.3
10°	183.5	183.2	182.4	181.3	181.3	180.8	179.7	179.7	179.7	179.4	179.1
12.5°	186.8	186.5	185.7	184.6	185.4	184.6	183.8	183.5	182.7	182.1	181.9
15°	192.0	191.8	190.9	190.1	192.3	191.2	189.8	188.5	187.9	187.4	186.8
17.5°	198.4	198.1	197.5	197.0	199.7	199.7	197.3	194.8	195.1	194.2	193.7
20°	205.8	205.5	204.9	205.5	208.5	208.2	204.9	201.9	203.0	201.4	200.8
22.5°	215.1	214.6	213.7	214.6	219.0	218.1	214.0	211.3	212.1	211.3	210.7
25°	225.3	224.2	223.1	224.2	231.3	229.7	225.6	222.3	223.9	223.4	223.1
27.5°	235.2	234.1	233.2	232.4	243.4	243.1	237.6	234.3	236.3	236.5	236.8
30°	244.8	244.5	243.1	242.0	253.9	257.7	248.4	247.0	248.4	250.0	250.6
32.5°	257.7	257.1	255.8	253.9	261.8	271.2	260.7	261.8	264.0	267.3	267.0
35°	275.0	273.6	271.7	269.8	274.7	282.1	277.5	279.7	283.5	287.4	286.8
37.5°	293.4	293.1	291.2	286.5	292.0	298.6	297.3	301.4	308.0	315.7	314.6
40°	319.8	320.1	315.9	309.9	314.6	325.3	326.7	335.2	346.7	357.7	358.0
42.5°	361.3	360.4	357.4	348.9	351.9	359.9	366.5	379.7	394.0	405.2	406.9
45°	412.6	411.5	405.5	392.0	391.2	397.0	406.6	423.6	440.9	451.9	452.8
47.5°	471.4	467.6	458.3	440.7	434.4	437.1	447.0	465.9	483.8	495.9	495.1
50°	529.4	529.7	518.4	495.3	482.7	482.7	488.5	508.3	526.4	537.6	537.9
52.5°	594.8	592.3	581.3	553.6	533.0	527.2	529.1	547.8	566.5	578.6	578.6
55°	660.7	658.3	647.5	616.8	590.1	573.4	571.4	589.0	609.4	620.9	622.3
57.5°	728.6	726.9	715.7	682.2	648.9	622.3	617.9	637.9	659.4	670.9	671.7
60°	799.2	797.0	785.7	759.6	719.0	685.5	677.2	697.5	723.1	738.2	737.4
62.5°	881.3	878.6	869.8	836.3	807.4	771.2	755.0	778.3	808.8	826.4	827.8
65°	947.3	948.4	956.6	951.7	924.7	885.2	869.0	906.3	923.9	926.9	924.7
67.5°	930.0	934.1	952.2	993.2	1041.8	1067.9	1004.1	959.4	925.8	906.3	903.6
70°	855.2	858.3	901.7	968.7	1097.6	1142.1	1061.6	915.7	845.3	815.1	811.6
71°	811.3	823.6	868.4	958.3	1097.8	1148.9	1066.2	893.4	817.1	766.2	760.7
72.5°	744.2	755.0	811.3	919.0	1081.9	1119.3	1016.8	841.2	752.8	710.5	696.4
75°	606.9	626.7	676.4	818.2	1009.1	1040.4	928.3	742.0	647.3	601.4	597.8
77.5°	431.6	445.1	520.3	673.4	889.6	919.0	820.6	623.9	523.6	481.1	476.4
80°	239.8	253.3	332.7	473.4	686.8	716.5	628.0	455.8	355.8	310.4	291.8
82.5°	107.4	115.4	173.9	280.5	440.7	479.1	381.6	250.6	171.4	121.4	111.5
85°	37.4	41.5	69.2	127.2	225.6	208.2	130.8	62.6	22.0	10.7	9.9
87.5°	7.1	8.0	15.1	35.4	36.8	17.0	5.5	4.1	4.1	4.4	4.4
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)