

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: P233636

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

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P233636
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
Description: VERDEON ROADWAY AND AREA LUMINAIRE
(1) 70 CRI, 4000K, 750mA LED AND TYPE V OPTIC
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4018 lumens
Efficiency: N/A
Efficacy: 133.9 lumens/watt
Luminous Opening: Rectangular (W 0.79' x L: 1.25' x H: 0')
IES Classification: Type V - Short - Non-Cutoff
BUG Rating: B3 - U0 - G2

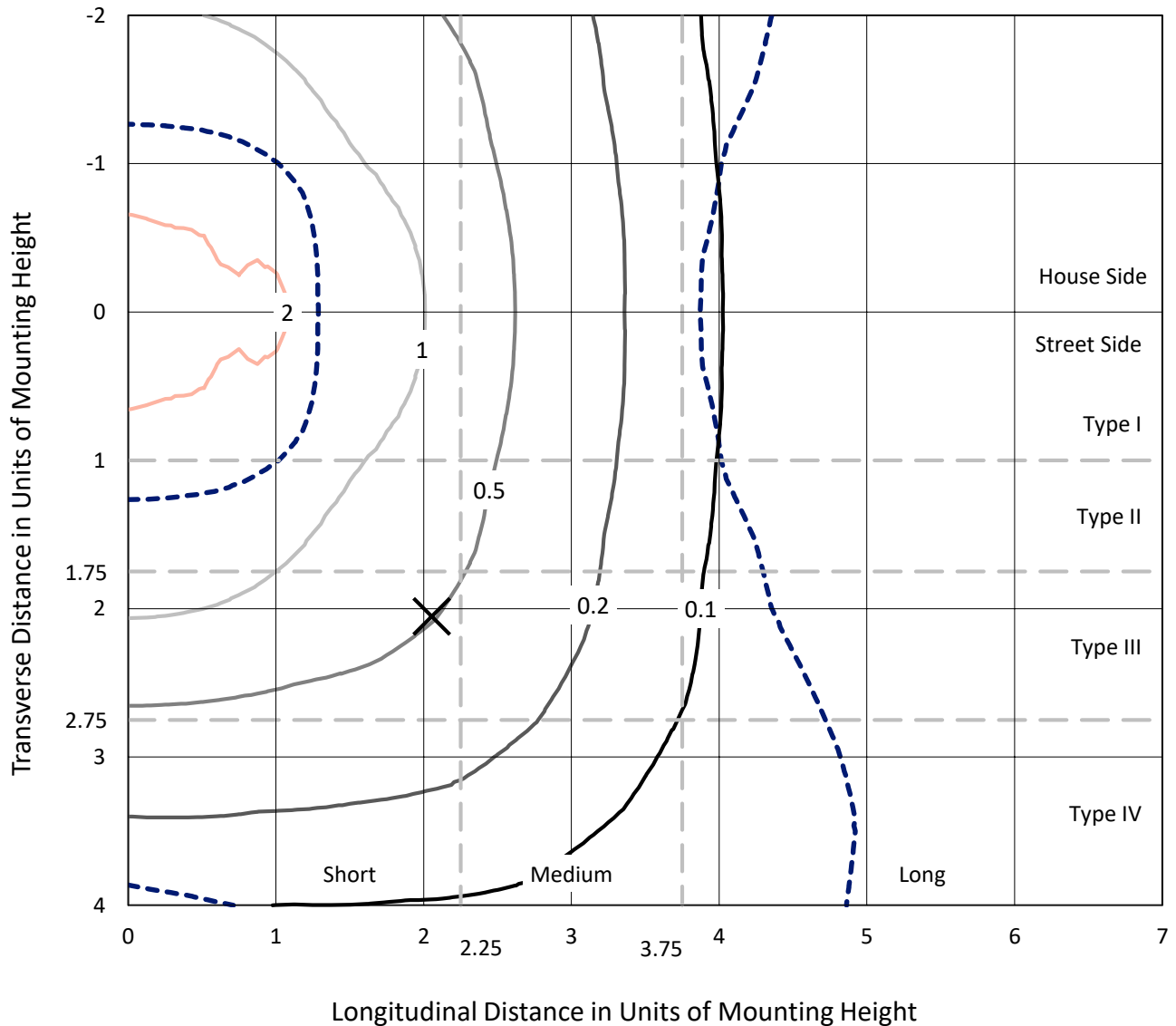
Input Watts (W): 30
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

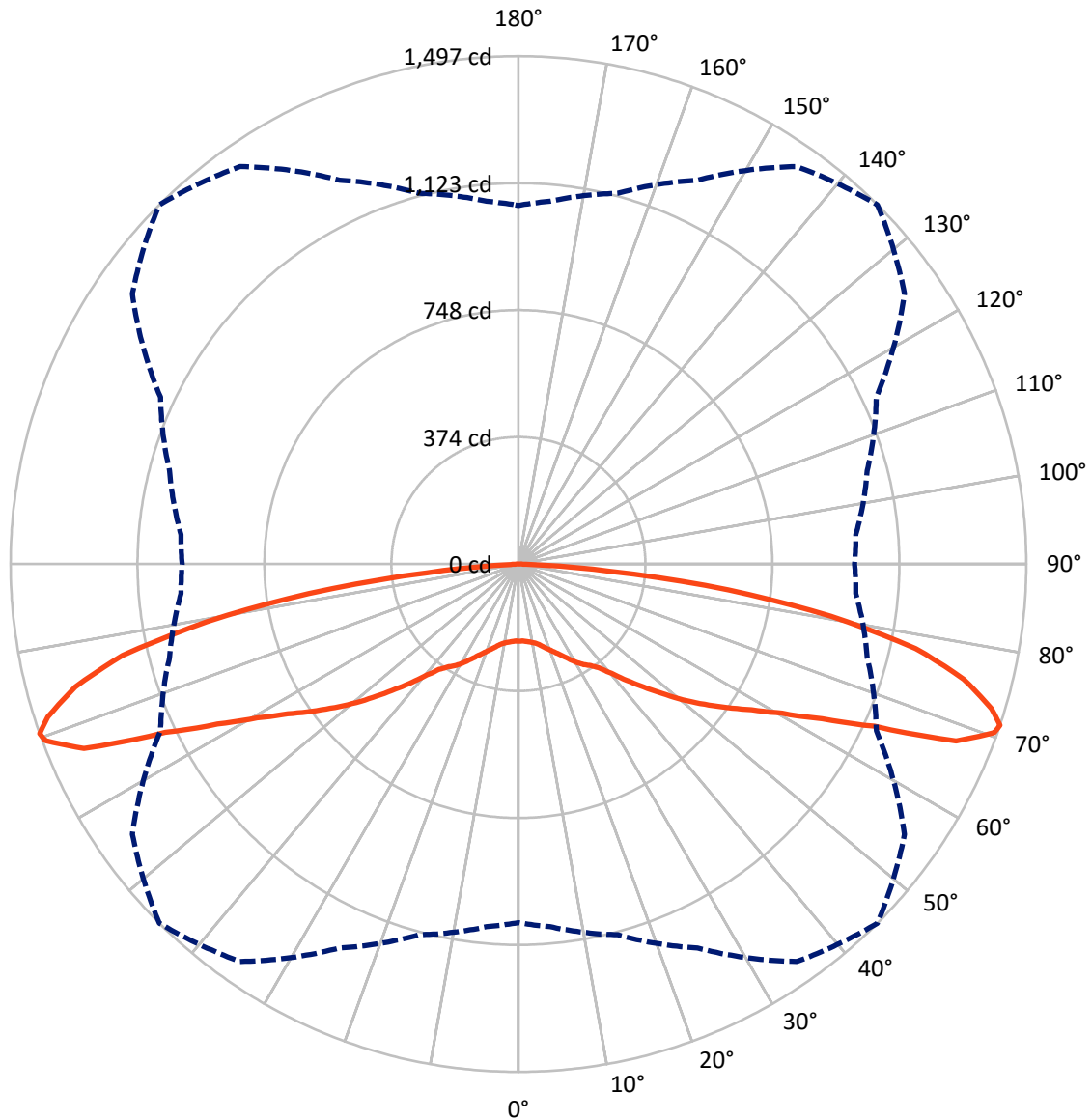


Based on 10 foot mounting height. Maximum calculated value = 2.3 fc
 Type V - Short - Non-Cutoff

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Luminous Intensity Polar Plot



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



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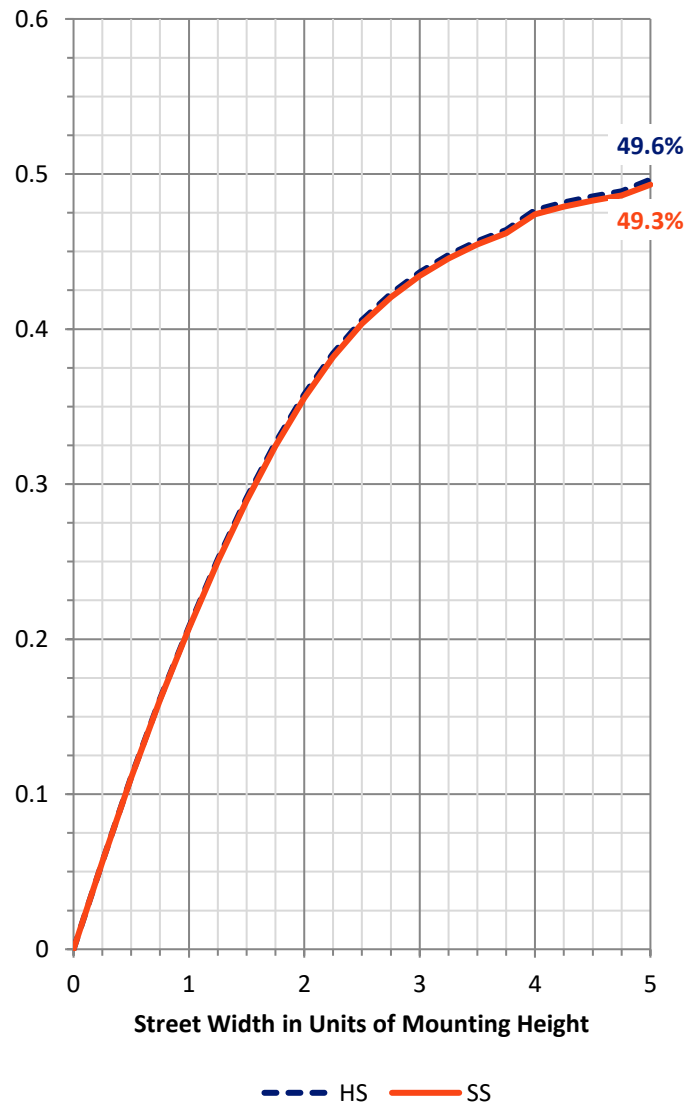
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2009.0	0.0	2009.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	2009.0	0.0	2009.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	4018.0	0.0	4018.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	22.1	0.6
10°-20°	71.0	1.8
20°-30°	136.9	3.4
30°-40°	231.6	5.8
40°-50°	421.1	10.5
50°-60°	718.3	17.9
60°-70°	1151.8	28.7
70°-80°	1047.3	26.1
80°-90°	217.9	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°	4018.0	100.0
0°-180°	4018.0	100.0



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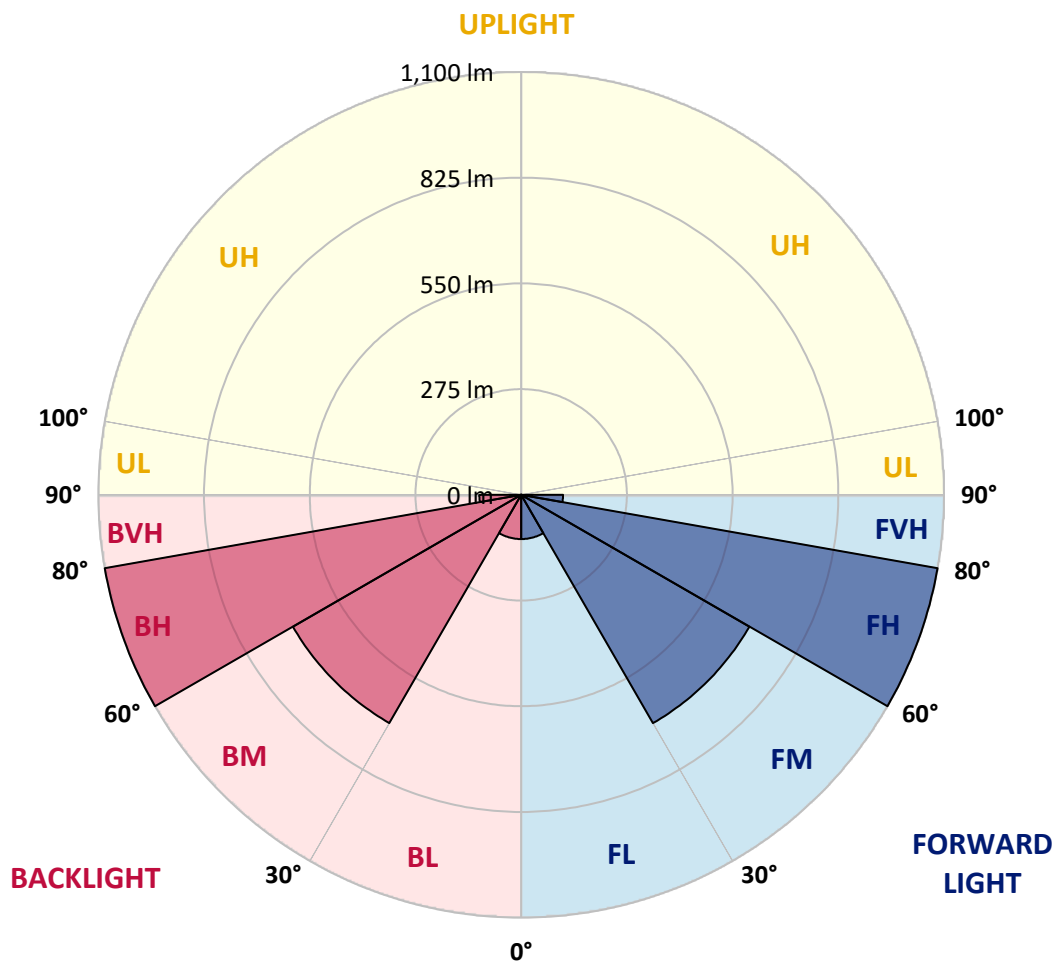
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	115.0	2.9			
FM	(30°-60°)	685.5	17.1			
FH	(60°-80°)	1099.5	27.4			G1/1800
FVH	(80°-90°)	108.9	2.7			G2/225
BL	(0°-30°)	115.0	2.9	B1/500		
BM	(30°-60°)	685.5	17.1	B1/1000		
BH	(60°-80°)	1099.5	27.4	B3/2500		G1/1800
BVH	(80°-90°)	108.9	2.7			G2/225
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G2

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	227.6	227.6	227.6	227.6	227.6	227.6	227.6	227.6	227.6	227.6	227.6
2.5°	229.8	229.8	229.4	227.6	228.0	226.9	226.2	226.6	226.9	226.9	226.6
5°	231.6	231.6	231.2	229.8	230.2	229.1	228.7	229.1	229.8	230.5	229.8
7.5°	235.2	234.8	234.1	232.7	232.7	231.9	231.2	231.6	232.3	232.7	232.3
10°	239.1	238.7	237.7	236.2	236.2	235.5	234.1	234.1	234.1	233.7	233.4
12.5°	243.4	243.0	242.0	240.5	241.6	240.5	239.5	239.1	238.0	237.3	237.0
15°	250.2	249.8	248.8	247.7	250.6	249.1	247.3	245.5	244.8	244.1	243.4
17.5°	258.4	258.1	257.4	256.6	260.2	260.2	257.0	253.8	254.1	253.1	252.3
20°	268.1	267.7	267.0	267.7	271.7	271.3	267.0	263.1	264.5	262.4	261.7
22.5°	280.3	279.5	278.5	279.5	285.3	284.2	278.8	275.3	276.3	275.3	274.5
25°	293.5	292.1	290.6	292.1	301.4	299.2	293.9	289.6	291.7	291.0	290.6
27.5°	306.4	305.0	303.9	302.8	317.1	316.8	309.6	305.3	307.8	308.2	308.5
30°	318.9	318.6	316.8	315.3	330.7	335.7	323.6	321.8	323.6	325.7	326.4
32.5°	335.7	335.0	333.2	330.7	341.1	353.3	339.7	341.1	344.0	348.3	347.9
35°	358.3	356.5	354.0	351.5	357.9	367.6	361.5	364.4	369.4	374.4	373.7
37.5°	382.3	381.9	379.4	373.3	380.5	389.1	387.3	392.7	401.2	411.3	409.8
40°	416.6	417.0	411.6	403.8	409.8	423.8	425.6	436.7	451.7	466.0	466.4
42.5°	470.7	469.6	465.7	454.6	458.5	468.9	477.5	494.7	513.3	528.0	530.1
45°	537.6	536.2	528.3	510.8	509.7	517.2	529.7	551.9	574.5	588.8	589.9
47.5°	614.2	609.2	597.0	574.1	565.9	569.5	582.4	607.1	630.3	646.1	645.0
50°	689.7	690.1	675.4	645.4	628.9	628.9	636.4	662.2	685.8	700.5	700.8
52.5°	774.9	771.7	757.4	721.2	694.4	686.9	689.4	713.7	738.1	753.8	753.8
55°	860.8	857.6	843.7	803.6	768.8	747.0	744.5	767.4	793.9	808.9	810.7
57.5°	949.2	947.1	932.4	888.8	845.4	810.7	805.0	831.1	859.0	874.1	875.2
60°	1041.2	1038.4	1023.7	989.7	936.7	893.0	882.3	908.8	942.1	961.8	960.7
62.5°	1148.3	1144.7	1133.2	1089.6	1052.0	1004.7	983.6	1014.0	1053.8	1076.7	1078.5
65°	1234.2	1235.6	1246.3	1239.9	1204.8	1153.3	1132.1	1180.8	1203.7	1207.7	1204.8
67.5°	1211.6	1217.0	1240.6	1293.9	1357.3	1391.3	1308.3	1249.9	1206.2	1180.8	1177.2
70°	1114.3	1118.2	1174.7	1262.1	1429.9	1487.9	1383.1	1193.0	1101.4	1062.0	1057.3
71°	1057.0	1073.1	1131.4	1248.5	1430.3	1496.9	1389.1	1164.0	1064.5	998.3	991.1
72.5°	969.6	983.6	1057.0	1197.3	1409.5	1458.2	1324.7	1096.0	980.7	925.6	907.4
75°	790.7	816.4	881.2	1065.9	1314.7	1355.5	1209.5	966.8	843.3	783.5	778.9
77.5°	562.3	579.9	677.9	877.3	1159.0	1197.3	1069.2	812.9	682.2	626.7	620.7
80°	312.5	330.0	433.5	616.7	894.8	933.5	818.2	593.8	463.5	404.5	380.1
82.5°	140.0	150.3	226.6	365.5	574.1	624.2	497.2	326.4	223.4	158.2	145.3
85°	48.7	54.0	90.2	165.7	293.9	271.3	170.4	81.6	28.6	14.0	12.9
87.5°	9.3	10.4	19.7	46.2	48.0	22.2	7.2	5.4	5.4	5.7	5.7
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)