

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: P233612

Luminaire Tested: **VERD-C018-D-U-T5-8027**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P233612
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-C018-D-U-T5-8027
Description: VERDEON ROADWAY AND AREA LUMINAIRE
(1) 80 CRI, 2700K, 1210mA LED AND TYPE V OPTIC
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5367 lumens
Efficiency: N/A
Efficacy: 107.3 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): 50
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

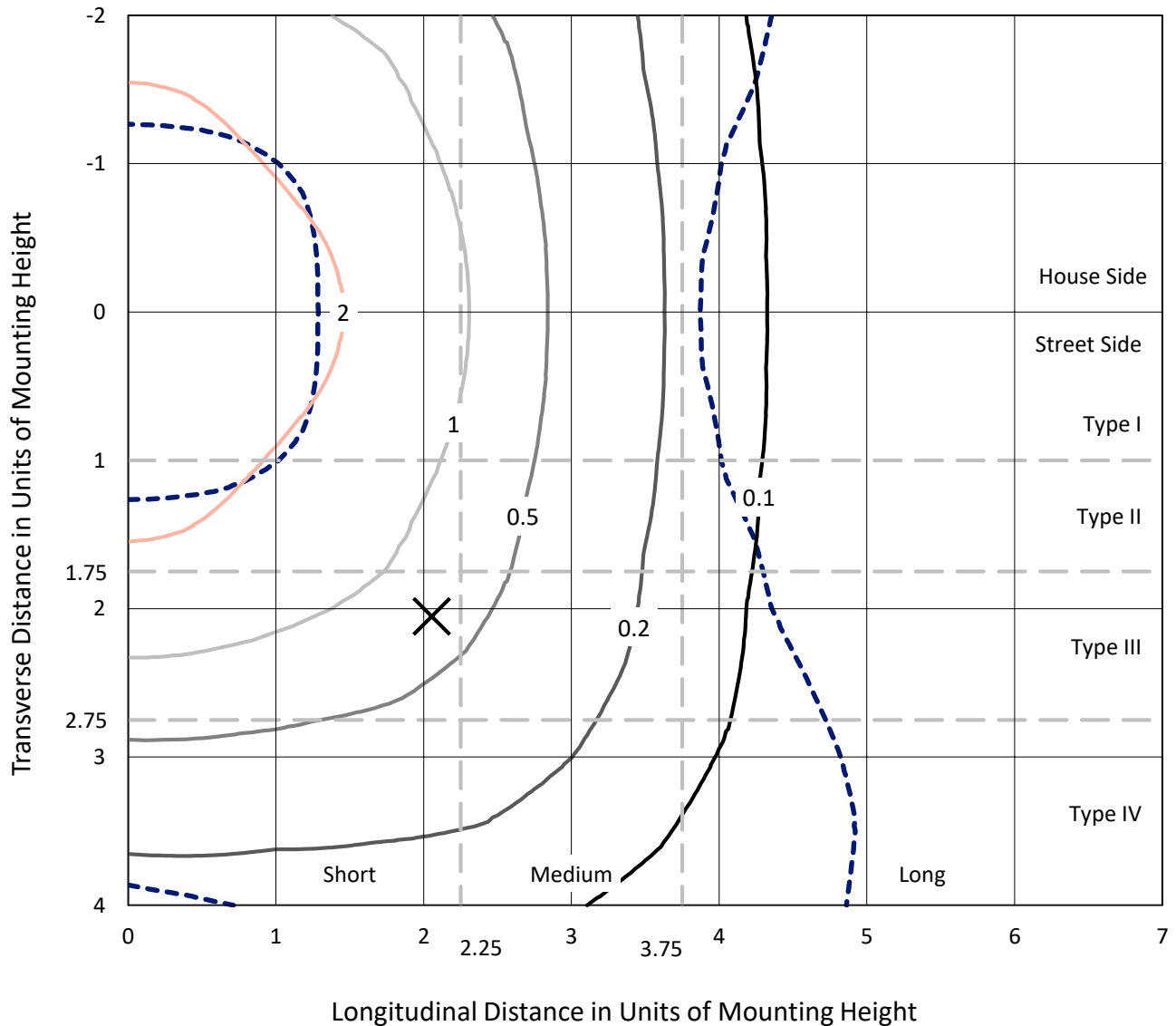


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

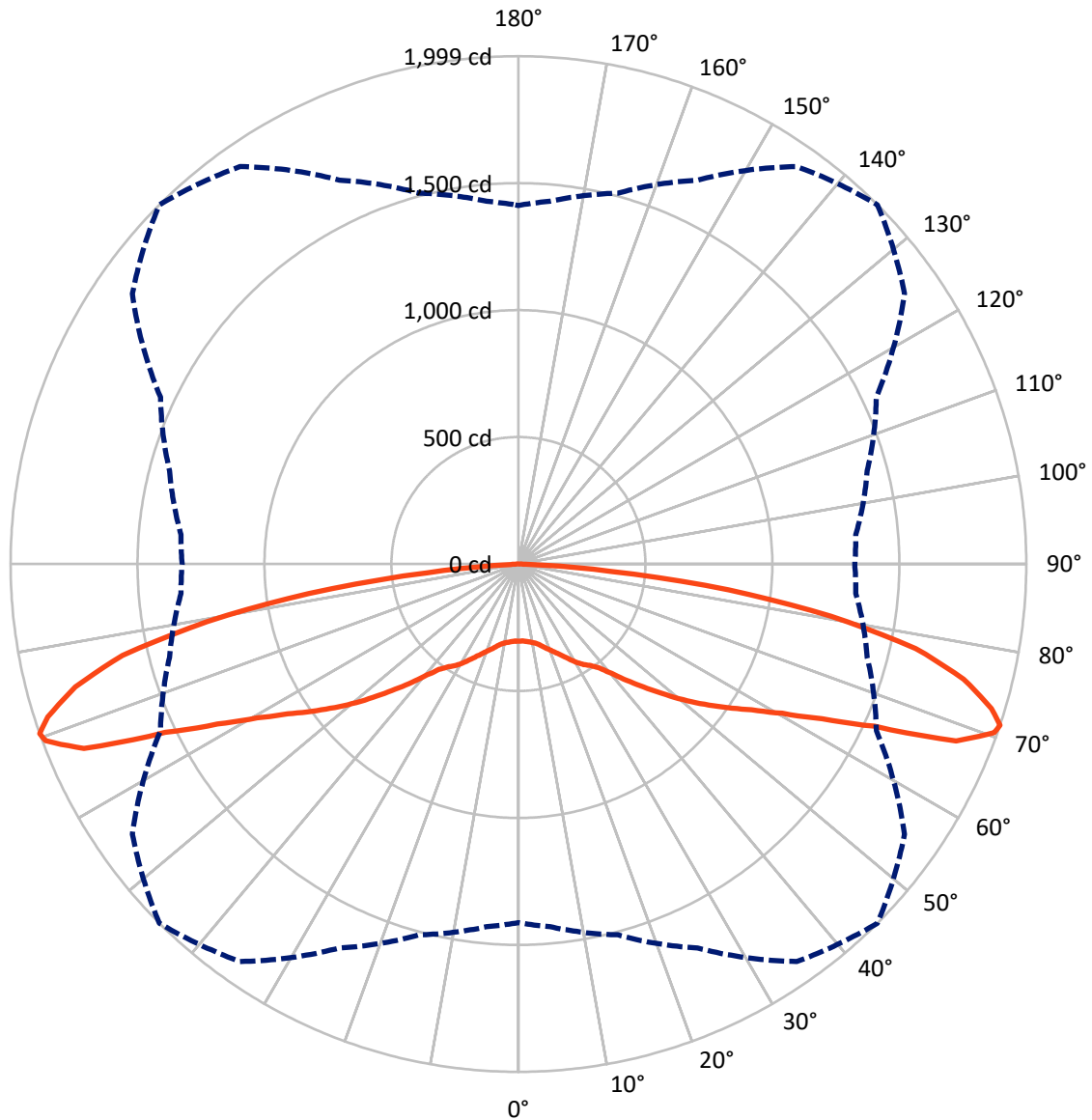


Based on 10 foot mounting height. Maximum calculated value = 3.1 fc
 Type V - Short - Non-Cutoff

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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	2683.5	0.0	2683.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	2683.5	0.0	2683.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	5367.0	0.0	5367.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	29.6	0.6
10°-20°	94.9	1.8
20°-30°	182.9	3.4
30°-40°	309.3	5.8
40°-50°	562.5	10.5
50°-60°	959.5	17.9
60°-70°	1538.5	28.7
70°-80°	1398.9	26.1
80°-90°	291.0	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°	5367.0	100.0
0°-180°	5367.0	100.0



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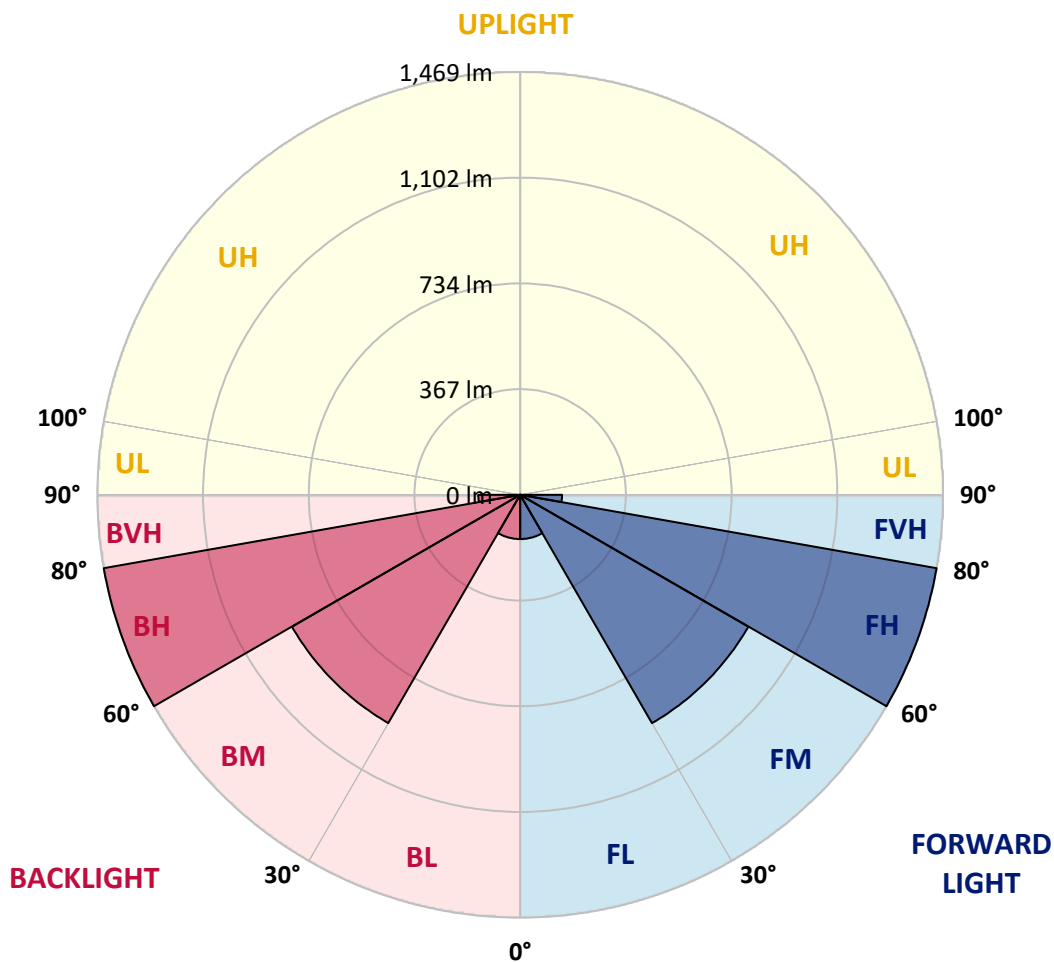
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	153.7	2.9			
FM (30°-60°)	915.6	17.1			
FH (60°-80°)	1468.7	27.4			G1/1800
FVH (80°-90°)	145.5	2.7			G2/225
BL (0°-30°)	153.7	2.9	B1/500		
BM (30°-60°)	915.6	17.1	B1/1000		
BH (60°-80°)	1468.7	27.4	B3/2500		G1/1800
BVH (80°-90°)	145.5	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°	304.1	304.1	304.1	304.1	304.1	304.1	304.1	304.1	304.1	304.1	304.1
2.5°	306.9	306.9	306.5	304.1	304.6	303.1	302.2	302.6	303.1	303.1	302.6
5°	309.3	309.3	308.9	306.9	307.4	306.0	305.5	306.0	306.9	307.9	306.9
7.5°	314.1	313.6	312.7	310.8	310.8	309.8	308.9	309.3	310.3	310.8	310.3
10°	319.4	318.9	317.5	315.6	315.6	314.6	312.7	312.7	312.7	312.2	311.7
12.5°	325.1	324.6	323.2	321.3	322.7	321.3	319.9	319.4	317.9	317.0	316.5
15°	334.2	333.7	332.3	330.9	334.7	332.8	330.4	328.0	327.0	326.1	325.1
17.5°	345.2	344.7	343.8	342.8	347.6	347.6	343.3	339.0	339.5	338.0	337.1
20°	358.1	357.6	356.7	357.6	362.9	362.4	356.7	351.4	353.3	350.5	349.5
22.5°	374.4	373.4	372.0	373.4	381.1	379.6	372.4	367.7	369.1	367.7	366.7
25°	392.0	390.1	388.2	390.1	402.6	399.7	392.5	386.8	389.7	388.7	388.2
27.5°	409.3	407.3	405.9	404.5	423.6	423.1	413.6	407.8	411.2	411.7	412.1
30°	426.0	425.5	423.1	421.2	441.8	448.5	432.2	429.8	432.2	435.1	436.0
32.5°	448.5	447.5	445.1	441.8	455.6	471.9	453.7	455.6	459.5	465.2	464.7
35°	478.6	476.2	472.8	469.5	478.1	491.0	482.9	486.7	493.4	500.1	499.1
37.5°	510.6	510.1	506.8	498.7	508.2	519.7	517.3	524.5	536.0	549.3	547.4
40°	556.5	557.0	549.8	539.3	547.4	566.1	568.5	583.3	603.4	622.5	623.0
42.5°	628.7	627.3	622.0	607.2	612.5	626.3	637.8	660.7	685.6	705.2	708.1
45°	718.1	716.2	705.7	682.3	680.8	690.9	707.6	737.2	767.4	786.5	787.9
47.5°	820.4	813.7	797.5	766.9	755.9	760.7	777.9	810.9	841.9	863.0	861.6
50°	921.3	921.8	902.2	862.0	840.0	840.0	850.1	884.5	916.1	935.7	936.1
52.5°	1035.1	1030.8	1011.7	963.4	927.5	917.5	920.8	953.3	985.9	1006.9	1006.9
55°	1149.8	1145.5	1126.9	1073.4	1027.0	997.8	994.5	1025.1	1060.4	1080.5	1082.9
57.5°	1267.9	1265.1	1245.5	1187.1	1129.3	1082.9	1075.3	1110.2	1147.5	1167.5	1169.0
60°	1390.8	1387.0	1367.4	1322.0	1251.2	1192.9	1178.5	1213.9	1258.4	1284.7	1283.2
62.5°	1533.8	1529.0	1513.7	1455.4	1405.2	1342.0	1313.8	1354.5	1407.5	1438.1	1440.5
65°	1648.5	1650.4	1664.8	1656.2	1609.3	1540.5	1512.3	1577.3	1607.9	1613.1	1609.3
67.5°	1618.4	1625.6	1657.1	1728.4	1813.0	1858.4	1747.5	1669.6	1611.2	1577.3	1572.5
70°	1488.3	1493.6	1569.1	1685.8	1910.0	1987.5	1847.4	1593.5	1471.1	1418.5	1412.3
71°	1411.9	1433.4	1511.3	1667.6	1910.5	1999.4	1855.5	1554.8	1421.9	1333.4	1323.9
72.5°	1295.2	1313.8	1411.9	1599.3	1882.8	1947.8	1769.5	1464.0	1310.0	1236.4	1212.0
75°	1056.1	1090.6	1177.1	1423.8	1756.1	1810.6	1615.5	1291.4	1126.4	1046.6	1040.4
77.5°	751.1	774.5	905.5	1171.8	1548.1	1599.3	1428.1	1085.8	911.3	837.2	829.0
80°	417.4	440.8	579.0	823.8	1195.3	1246.9	1093.0	793.2	619.1	540.3	507.8
82.5°	186.9	200.8	302.6	488.1	766.9	833.8	664.1	436.0	298.3	211.3	194.1
85°	65.0	72.2	120.5	221.4	392.5	362.4	227.6	109.0	38.2	18.6	17.2
87.5°	12.4	13.9	26.3	61.7	64.1	29.6	9.6	7.2	7.2	7.6	7.6
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)