

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: P233646

Luminaire Tested: **VERD-C02H8-D-U-T5**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P233646
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-C02H8-D-U-T5
Description: VERDEON ROADWAY AND AREA LUMINAIRE
(2) 70 CRI, 4000K, 960mA LEDS AND TYPE V OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 14225 lumens
Efficiency: N/A
Efficacy: 129.3 lumens/watt
Luminous Opening: Rectangular (W 0.79' x L: 1.25' x H: 0')
IES Classification: Type V - Short - Non-Cutoff
BUG Rating: B4 - U0 - G3

Input Watts (W): 110
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

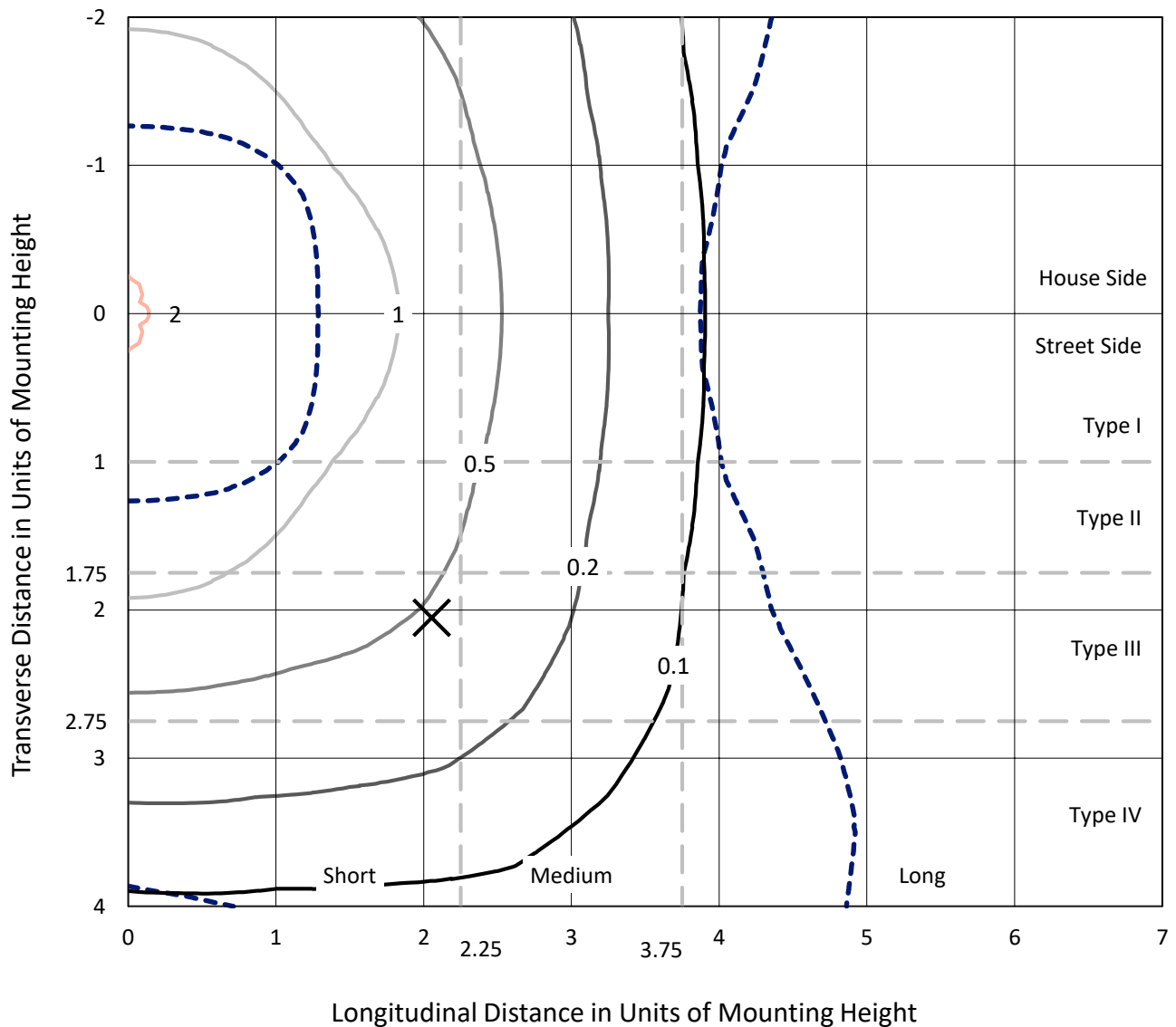


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

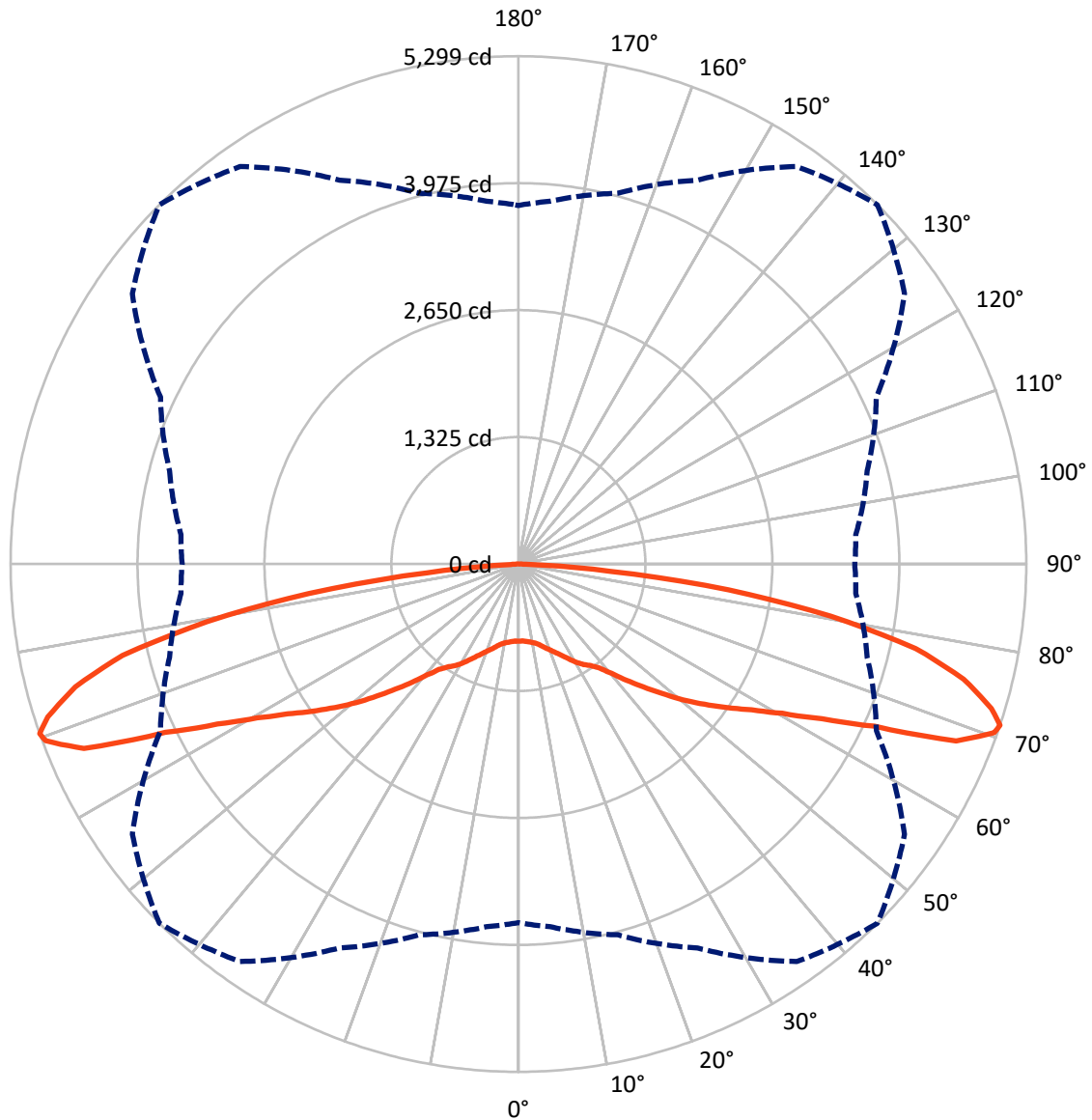


Based on 20 foot mounting height. Maximum calculated value = 2 fc
 Type V - Short - Non-Cutoff

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Luminous Intensity Polar Plot



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



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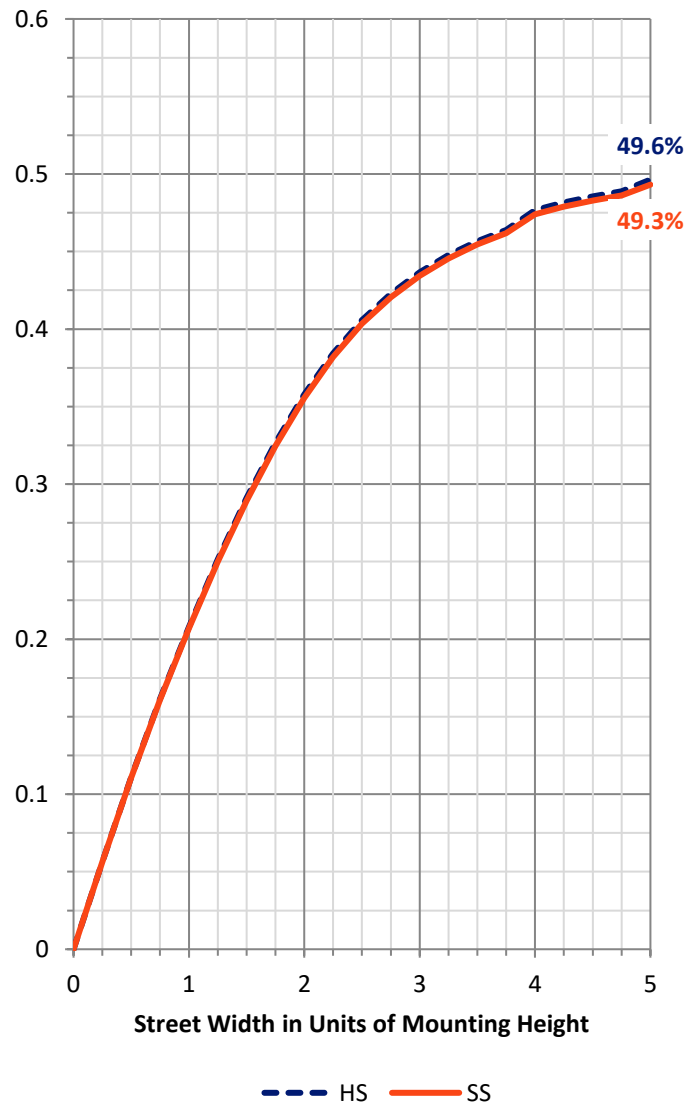
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	7112.5	0.0	7112.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	7112.5	0.0	7112.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	14225.0	0.0	14225.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	78.3	0.6
10°-20°	251.4	1.8
20°-30°	484.7	3.4
30°-40°	819.8	5.8
40°-50°	1490.9	10.5
50°-60°	2543.0	17.9
60°-70°	4077.7	28.7
70°-80°	3707.7	26.1
80°-90°	771.3	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°	14225.0	100.0
0°-180°	14225.0	100.0

Coefficient of Utilization



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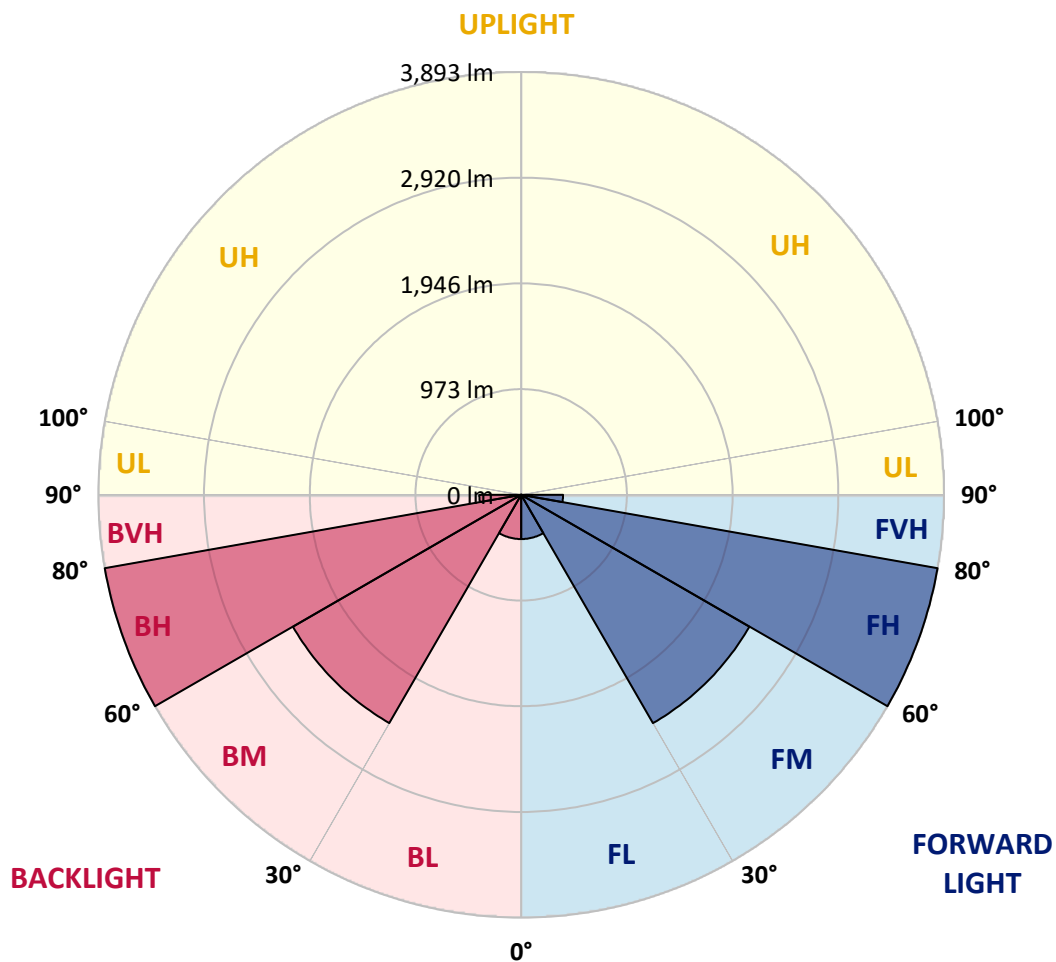
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	407.3	2.9			
FM	(30°-60°)	2426.9	17.1			
FH	(60°-80°)	3892.7	27.4			G2/5000
FVH	(80°-90°)	385.6	2.7			G3/500
BL	(0°-30°)	407.3	2.9	B1/500		
BM	(30°-60°)	2426.9	17.1	B2/2500		
BH	(60°-80°)	3892.7	27.4	B4/5000		G2/5000
BVH	(80°-90°)	385.6	2.7			G3/500
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B4-U0-G3

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	805.9	805.9	805.9	805.9	805.9	805.9	805.9	805.9	805.9	805.9	805.9
2.5°	813.5	813.5	812.3	805.9	807.2	803.4	800.9	802.1	803.4	803.4	802.1
5°	819.9	819.9	818.6	813.5	814.8	811.0	809.7	811.0	813.5	816.1	813.5
7.5°	832.6	831.3	828.8	823.7	823.7	821.1	818.6	819.9	822.4	823.7	822.4
10°	846.5	845.2	841.4	836.4	836.4	833.8	828.8	828.8	828.8	827.5	826.2
12.5°	861.7	860.4	856.6	851.6	855.4	851.6	847.8	846.5	842.7	840.2	838.9
15°	885.8	884.5	880.7	876.9	887.0	882.0	875.6	869.3	866.8	864.2	861.7
17.5°	914.9	913.7	911.1	908.6	921.3	921.3	909.9	898.4	899.7	895.9	893.4
20°	949.1	947.9	945.3	947.9	961.8	960.5	945.3	931.4	936.5	928.9	926.3
22.5°	992.2	989.7	985.9	989.7	1010.0	1006.2	987.2	974.5	978.3	974.5	971.9
25°	1039.1	1034.0	1029.0	1034.0	1067.0	1059.4	1040.4	1025.2	1032.8	1030.2	1029.0
27.5°	1084.7	1079.7	1075.9	1072.1	1122.7	1121.5	1096.1	1080.9	1089.8	1091.1	1092.3
30°	1129.1	1127.8	1121.5	1116.4	1170.9	1188.6	1145.6	1139.2	1145.6	1153.2	1155.7
32.5°	1188.6	1186.1	1179.8	1170.9	1207.6	1250.7	1202.6	1207.6	1217.8	1233.0	1231.7
35°	1268.5	1262.1	1253.3	1244.4	1267.2	1301.4	1279.9	1290.0	1307.8	1325.5	1323.0
37.5°	1353.4	1352.1	1343.2	1321.7	1347.0	1377.5	1371.1	1390.1	1420.5	1456.0	1450.9
40°	1475.0	1476.3	1457.3	1429.4	1450.9	1500.4	1506.7	1546.0	1599.2	1649.9	1651.2
42.5°	1666.4	1662.6	1648.6	1609.3	1623.3	1660.0	1690.4	1751.3	1817.2	1869.1	1876.7
45°	1903.3	1898.3	1870.4	1808.3	1804.5	1831.1	1875.5	1954.0	2033.9	2084.5	2088.4
47.5°	2174.5	2156.8	2113.7	2032.6	2003.4	2016.1	2061.7	2149.2	2231.5	2287.3	2283.5
50°	2441.9	2443.2	2391.2	2284.8	2226.5	2226.5	2253.1	2344.3	2428.0	2479.9	2481.2
52.5°	2743.5	2732.1	2681.4	2553.4	2458.4	2431.8	2440.6	2526.8	2613.0	2668.7	2668.7
55°	3047.6	3036.2	2986.8	2844.9	2722.0	2644.7	2635.8	2716.9	2810.7	2863.9	2870.2
57.5°	3360.6	3353.0	3301.1	3146.5	2993.1	2870.2	2849.9	2942.4	3041.3	3094.5	3098.3
60°	3686.3	3676.2	3624.2	3503.8	3316.3	3161.7	3123.7	3217.4	3335.3	3405.0	3401.2
62.5°	4065.2	4052.5	4012.0	3857.4	3724.3	3557.0	3482.3	3590.0	3730.6	3811.7	3818.1
65°	4369.3	4374.4	4412.4	4389.6	4265.4	4082.9	4008.2	4180.5	4261.6	4275.5	4265.4
67.5°	4289.5	4308.5	4392.1	4580.9	4805.2	4925.6	4631.6	4425.1	4270.5	4180.5	4167.8
70°	3944.8	3958.7	4159.0	4468.2	5062.5	5267.8	4896.5	4223.6	3899.2	3759.8	3743.3
71°	3742.1	3799.1	4005.6	4420.0	5063.7	5299.4	4918.0	4120.9	3768.7	3534.2	3508.9
72.5°	3432.9	3482.3	3742.1	4238.8	4990.2	5162.6	4689.9	3880.2	3472.1	3277.0	3212.4
75°	2799.3	2890.5	3119.9	3773.7	4654.4	4798.9	4281.9	3422.7	2985.5	2773.9	2757.4
77.5°	1990.8	2052.9	2400.1	3105.9	4103.2	4238.8	3785.1	2877.8	2415.3	2218.9	2197.3
80°	1106.3	1168.4	1534.6	2183.4	3168.0	3304.9	2896.8	2102.3	1641.0	1431.9	1345.8
82.5°	495.5	532.2	802.1	1293.8	2032.6	2210.0	1760.1	1155.7	790.7	560.1	514.5
85°	172.3	191.3	319.3	586.7	1040.4	960.5	603.2	288.9	101.4	49.4	45.6
87.5°	32.9	36.7	69.7	163.5	169.8	78.6	25.3	19.0	19.0	20.3	20.3
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)