

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: P233645

Luminaire Tested: **VERD-C02H6-D-U-T5**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P233645
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-C02H6-D-U-T5
Description: VERDEON ROADWAY AND AREA LUMINAIRE
(2) 70 CRI, 4000K, 1250mA LEDS AND TYPE V OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 11845 lumens
Efficiency: N/A
Efficacy: 120.9 lumens/watt
Luminous Opening: Rectangular (W 0.79' x L: 1.25' x H: 0')
IES Classification: Type V - Short - Non-Cutoff
BUG Rating: B4 - U0 - G3

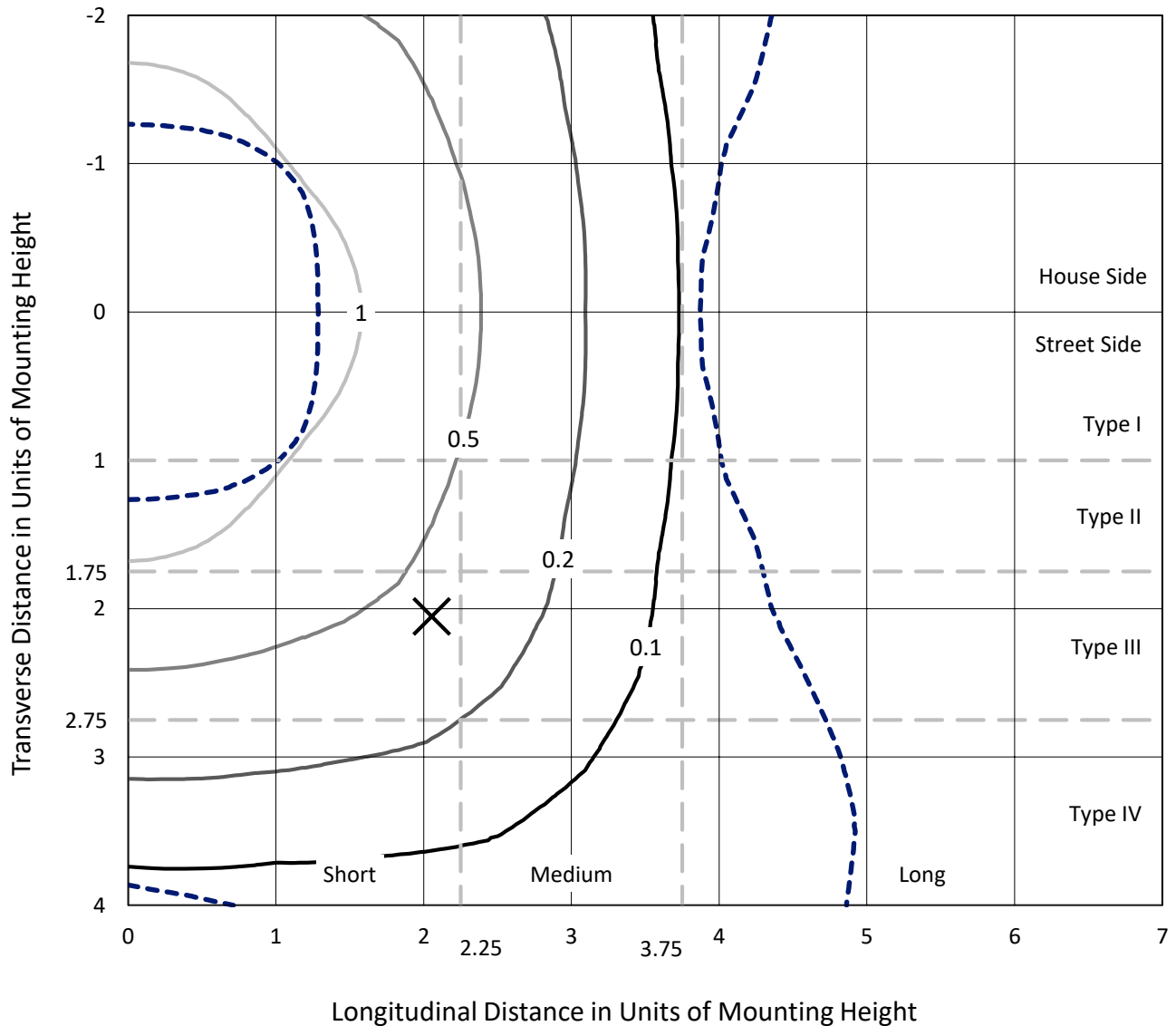
Input Watts (W): 98
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
 - - - 1/2 Max cd

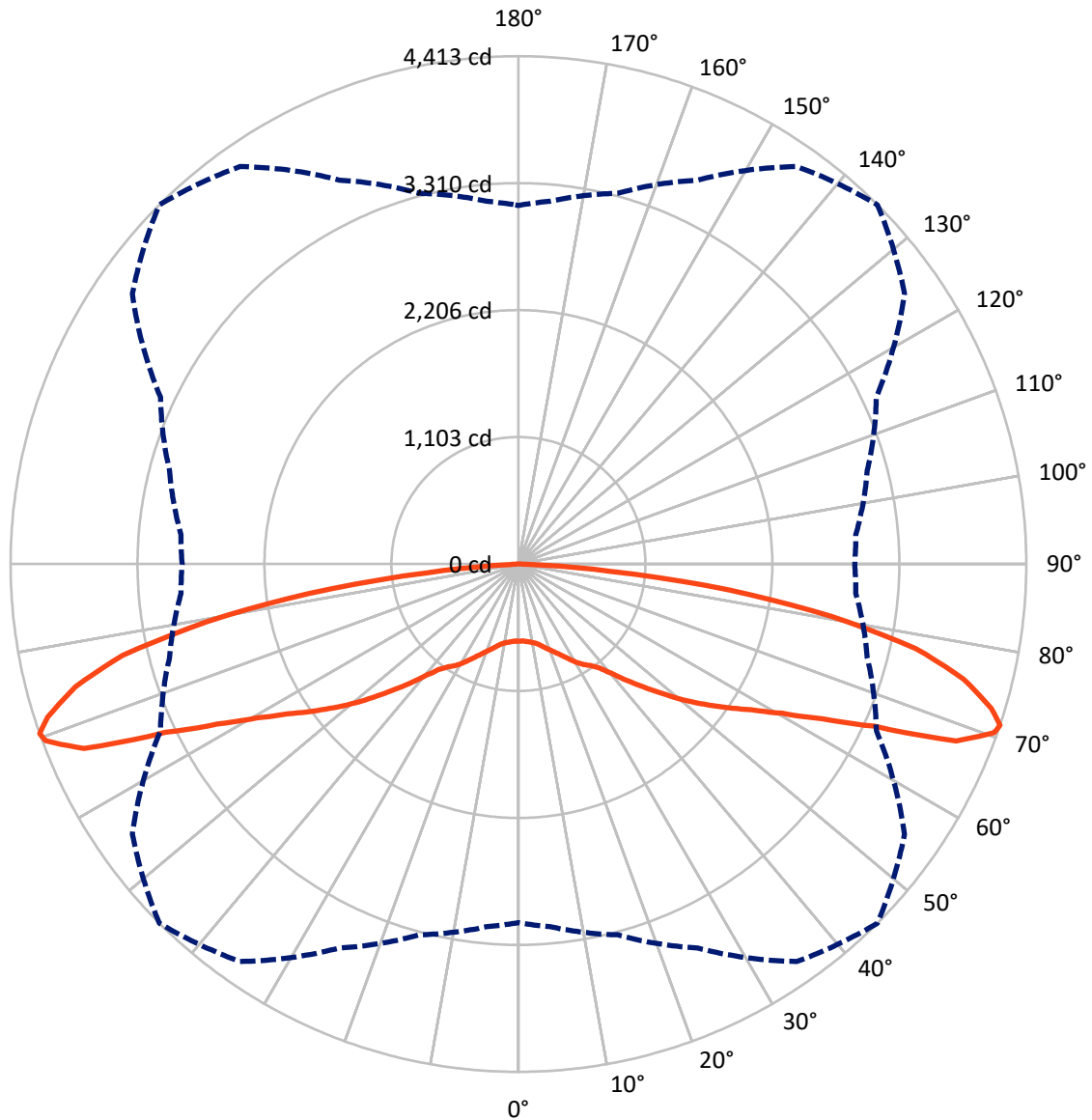


Based on 20 foot mounting height. Maximum calculated value = 1.7 fc
 Type V - Short - Non-Cutoff

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Luminous Intensity Polar Plot



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

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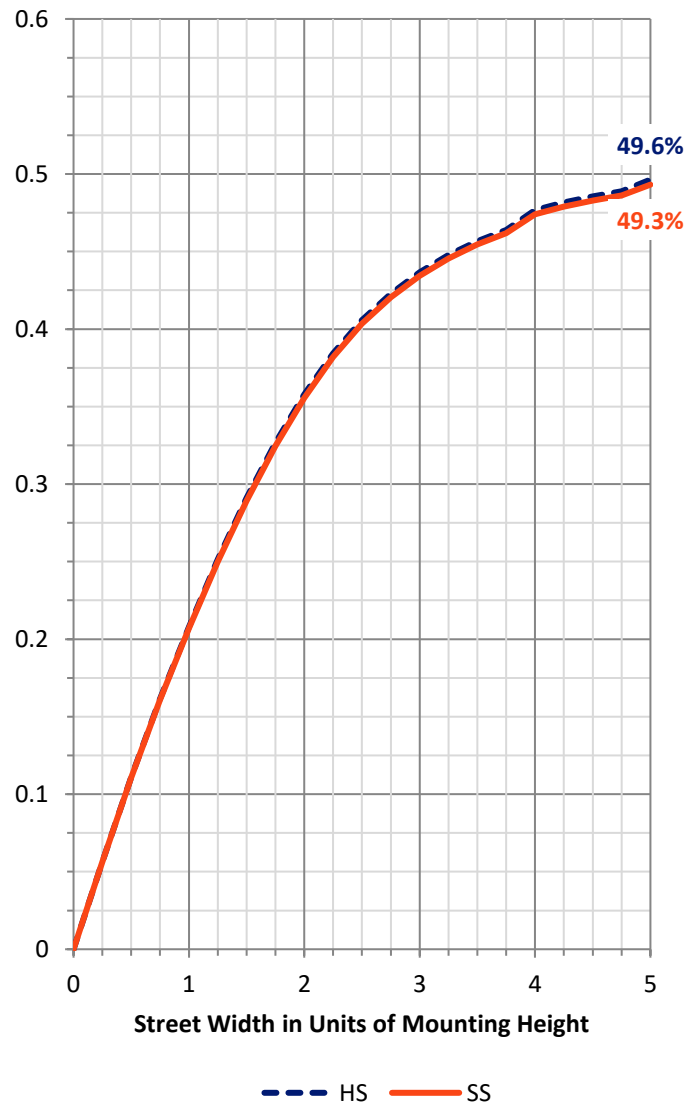
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	5922.5	0.0	5922.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	5922.5	0.0	5922.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	11845.0	0.0	11845.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	65.2	0.6
10°-20°	209.4	1.8
20°-30°	403.6	3.4
30°-40°	682.6	5.8
40°-50°	1241.5	10.5
50°-60°	2117.5	17.9
60°-70°	3395.5	28.7
70°-80°	3087.4	26.1
80°-90°	642.3	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°	11845.0	100.0
0°-180°	11845.0	100.0



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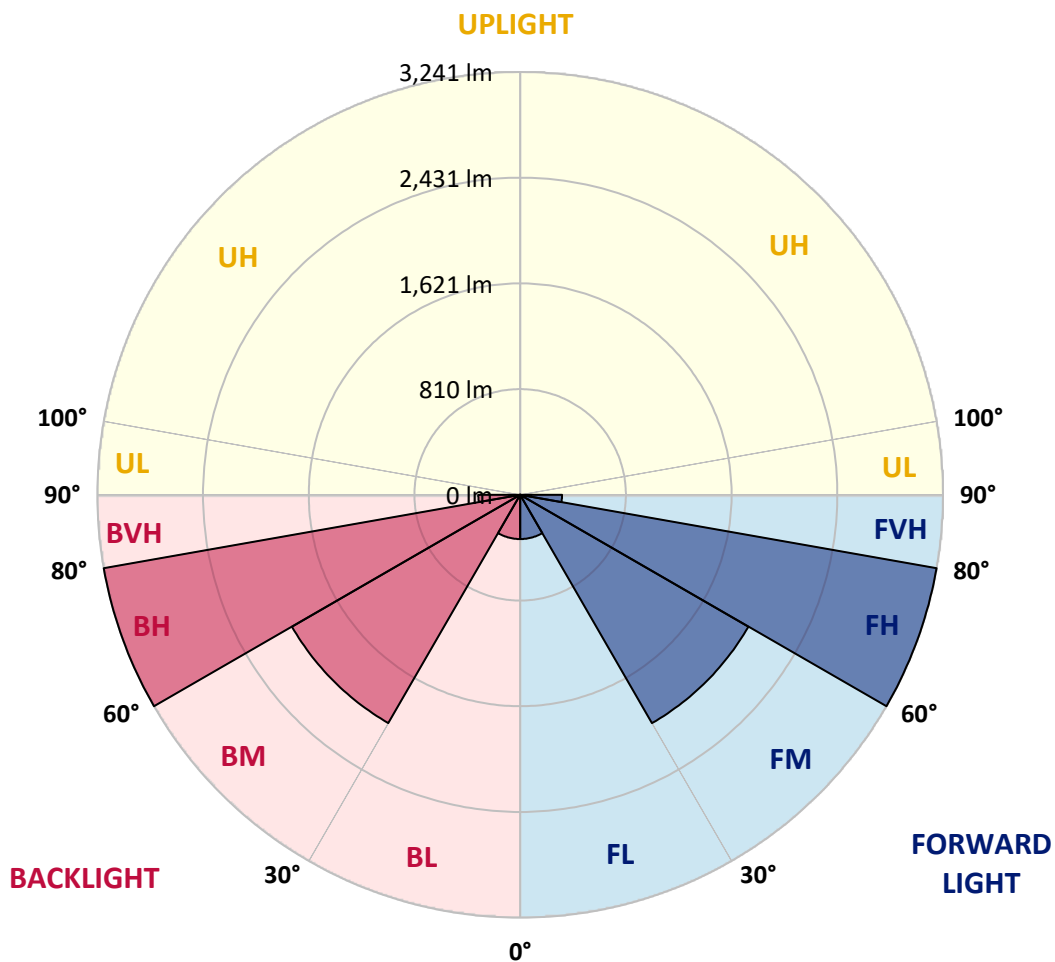
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	339.1	2.9			
FM	(30°-60°)	2020.8	17.1			
FH	(60°-80°)	3241.4	27.4			G2/5000
FVH	(80°-90°)	321.1	2.7			G3/500
BL	(0°-30°)	339.1	2.9	B1/500		
BM	(30°-60°)	2020.8	17.1	B2/2500		
BH	(60°-80°)	3241.4	27.4	B4/5000		G2/5000
BVH	(80°-90°)	321.1	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°	671.1	671.1	671.1	671.1	671.1	671.1	671.1	671.1	671.1	671.1	671.1
2.5°	677.4	677.4	676.4	671.1	672.2	669.0	666.9	667.9	669.0	669.0	667.9
5°	682.7	682.7	681.7	677.4	678.5	675.3	674.3	675.3	677.4	679.5	677.4
7.5°	693.3	692.2	690.1	685.9	685.9	683.8	681.7	682.7	684.8	685.9	684.8
10°	704.9	703.8	700.6	696.4	696.4	694.3	690.1	690.1	690.1	689.0	688.0
12.5°	717.5	716.5	713.3	709.1	712.3	709.1	705.9	704.9	701.7	699.6	698.5
15°	737.6	736.5	733.4	730.2	738.6	734.4	729.1	723.9	721.7	719.6	717.5
17.5°	761.8	760.8	758.7	756.6	767.1	767.1	757.6	748.1	749.2	746.0	743.9
20°	790.3	789.3	787.2	789.3	800.9	799.8	787.2	775.6	779.8	773.5	771.3
22.5°	826.2	824.1	820.9	824.1	841.0	837.8	822.0	811.4	814.6	811.4	809.3
25°	865.3	861.0	856.8	861.0	888.5	882.1	866.3	853.6	860.0	857.9	856.8
27.5°	903.2	899.0	895.9	892.7	934.9	933.8	912.7	900.1	907.5	908.5	909.6
30°	940.2	939.1	933.8	929.6	975.0	989.8	953.9	948.6	953.9	960.2	962.3
32.5°	989.8	987.7	982.4	975.0	1005.6	1041.5	1001.4	1005.6	1014.0	1026.7	1025.6
35°	1056.2	1051.0	1043.6	1036.2	1055.2	1083.7	1065.7	1074.2	1089.0	1103.7	1101.6
37.5°	1126.9	1125.9	1118.5	1100.6	1121.7	1147.0	1141.7	1157.5	1182.9	1212.4	1208.2
40°	1228.2	1229.3	1213.5	1190.3	1208.2	1249.3	1254.6	1287.3	1331.6	1373.9	1374.9
42.5°	1387.6	1384.4	1372.8	1340.1	1351.7	1382.3	1407.6	1458.3	1513.1	1556.4	1562.7
45°	1584.9	1580.7	1557.5	1505.8	1502.6	1524.7	1561.7	1627.1	1693.6	1735.8	1738.9
47.5°	1810.7	1795.9	1760.1	1692.5	1668.2	1678.8	1716.8	1789.6	1858.2	1904.6	1901.4
50°	2033.3	2034.4	1991.1	1902.5	1854.0	1854.0	1876.1	1952.1	2021.7	2065.0	2066.1
52.5°	2284.5	2275.0	2232.8	2126.2	2047.1	2024.9	2032.3	2104.0	2175.8	2222.2	2222.2
55°	2537.7	2528.2	2487.1	2368.9	2266.5	2202.2	2194.8	2262.3	2340.4	2384.7	2390.0
57.5°	2798.4	2792.0	2748.8	2620.0	2492.4	2390.0	2373.1	2450.1	2532.4	2576.8	2579.9
60°	3069.5	3061.1	3017.8	2917.6	2761.4	2632.7	2601.0	2679.1	2777.3	2835.3	2832.1
62.5°	3385.0	3374.5	3340.7	3212.0	3101.2	2961.9	2899.7	2989.3	3106.5	3174.0	3179.3
65°	3638.3	3642.5	3674.2	3655.2	3551.8	3399.8	3337.6	3481.1	3548.6	3560.2	3551.8
67.5°	3571.8	3587.6	3657.3	3814.5	4001.3	4101.5	3856.7	3684.7	3556.0	3481.1	3470.5
70°	3284.8	3296.4	3463.1	3720.6	4215.5	4386.4	4077.2	3516.9	3246.8	3130.7	3117.0
71°	3116.0	3163.4	3335.4	3680.5	4216.5	4412.8	4095.2	3431.5	3138.1	2942.9	2921.8
72.5°	2858.5	2899.7	3116.0	3529.6	4155.3	4298.8	3905.2	3231.0	2891.2	2728.7	2674.9
75°	2330.9	2406.9	2597.9	3142.3	3875.7	3996.0	3565.5	2850.1	2486.0	2309.8	2296.1
77.5°	1657.7	1709.4	1998.5	2586.3	3416.7	3529.6	3151.8	2396.3	2011.2	1847.6	1829.7
80°	921.2	972.9	1277.8	1818.1	2638.0	2751.9	2412.2	1750.6	1366.5	1192.4	1120.6
82.5°	412.6	443.2	667.9	1077.3	1692.5	1840.2	1465.7	962.3	658.4	466.4	428.4
85°	143.5	159.3	265.9	488.6	866.3	799.8	502.3	240.6	84.4	41.2	38.0
87.5°	27.4	30.6	58.0	136.1	141.4	65.4	21.1	15.8	15.8	16.9	16.9
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)