

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: P509875

Luminaire Tested: **VERD-M-CA3-160-727-U-T1**

Issue Date: 4/6/2021

Test Information

Test Method: LM-79-08
Report Number: P509875
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2103-181-1)
Test Lab: INNOVATION CENTER
Issue Date: 4/6/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: VERD-M-CA3-160-727-U-T1
Description: VERDEON-M ROADWAY AND AREA LUMINAIRE
(3) 70 CRI, 2700K, 1000mA LEDS AND TYPE I OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 20951 lumens
Efficiency: N/A
Efficacy: 128.8 lumens/watt
Luminous Opening: Rectangular (W 1.35' x L: 1.58' x H: 0')
IES Classification: Type I - Short
BUG Rating: B4 - U0 - G4

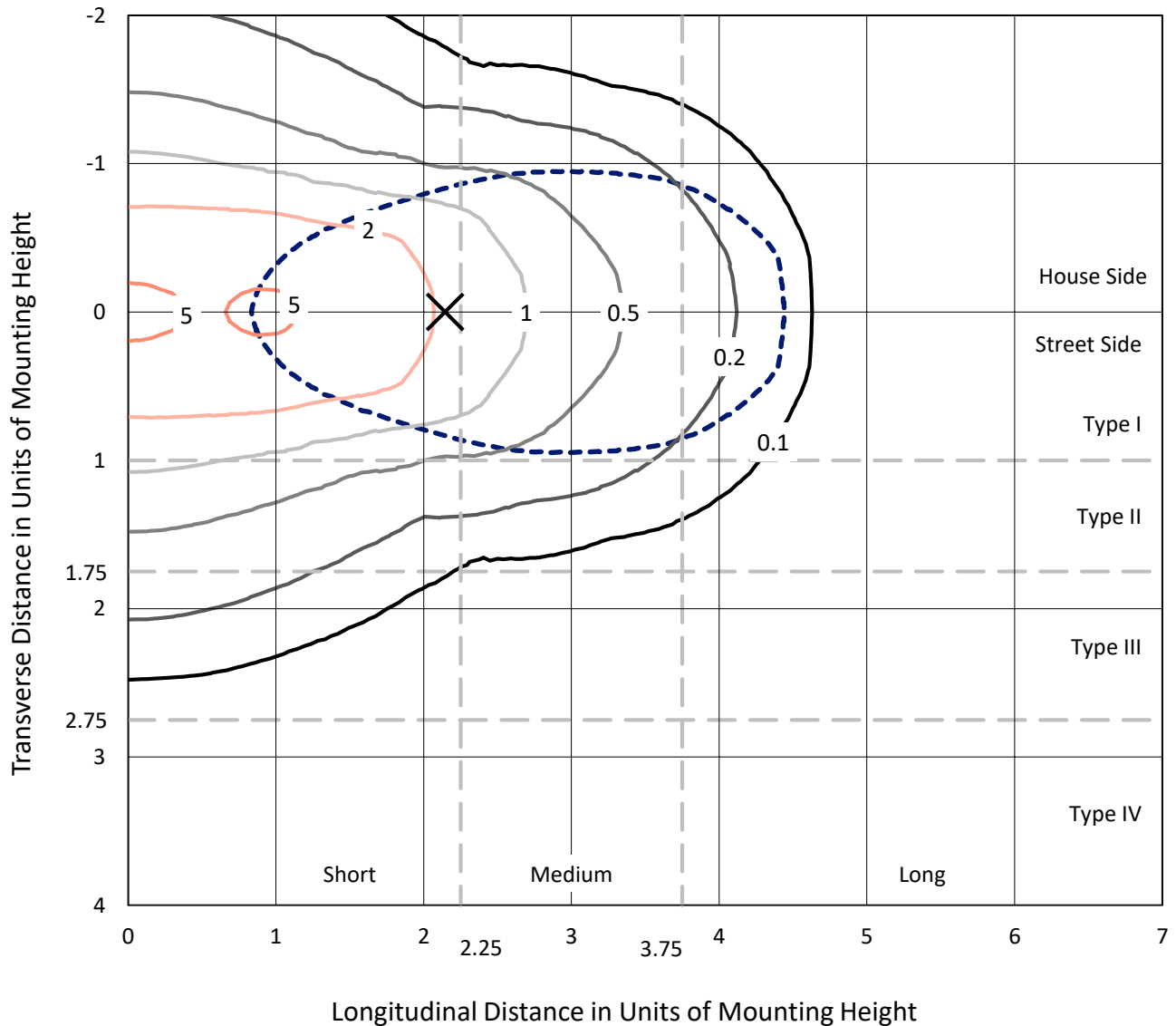
Input Watts (W): 162.7
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

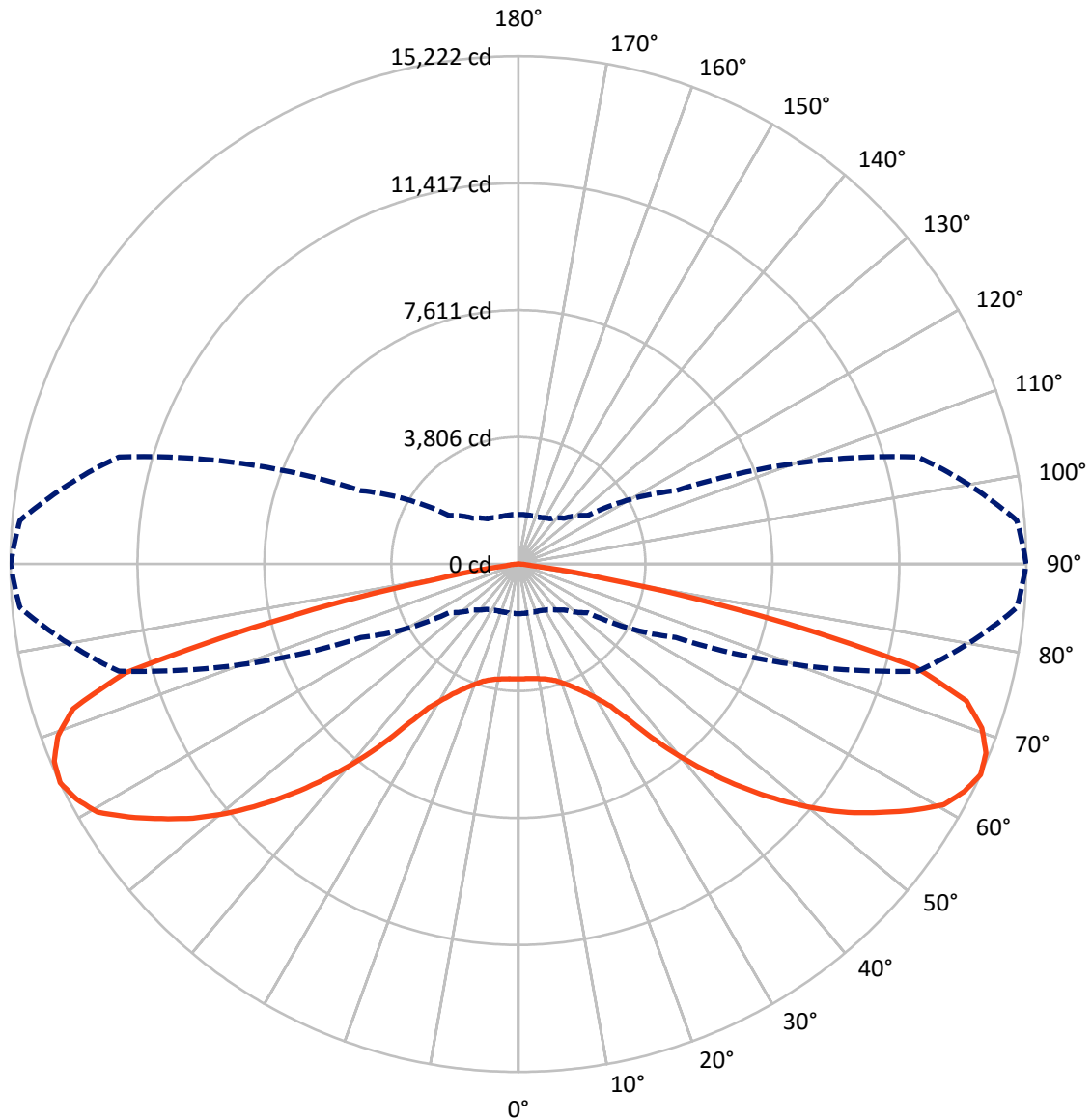
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5.6 fc
 Type I - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 90-Deg Lateral - - - Horizontal Cone Through 65-Deg Vertical

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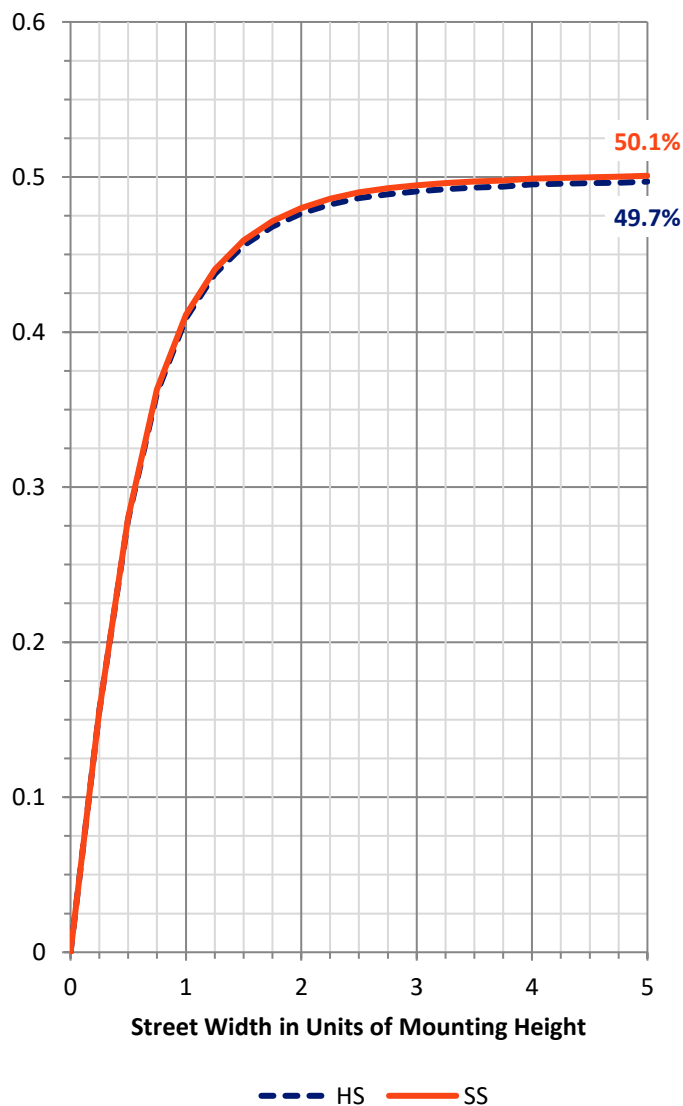
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	10475.5	0.0	10475.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	10475.5	0.0	10475.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	20951.0	0.0	20951.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	328.0	1.6
10°-20°	974.1	4.6
20°-30°	1608.1	7.7
30°-40°	2356.4	11.2
40°-50°	3437.2	16.4
50°-60°	4450.0	21.2
60°-70°	4688.4	22.4
70°-80°	2861.5	13.7
80°-90°	247.4	1.2
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°	20951.0	100.0
0°-180°	20951.0	100.0

Coefficient of Utilization



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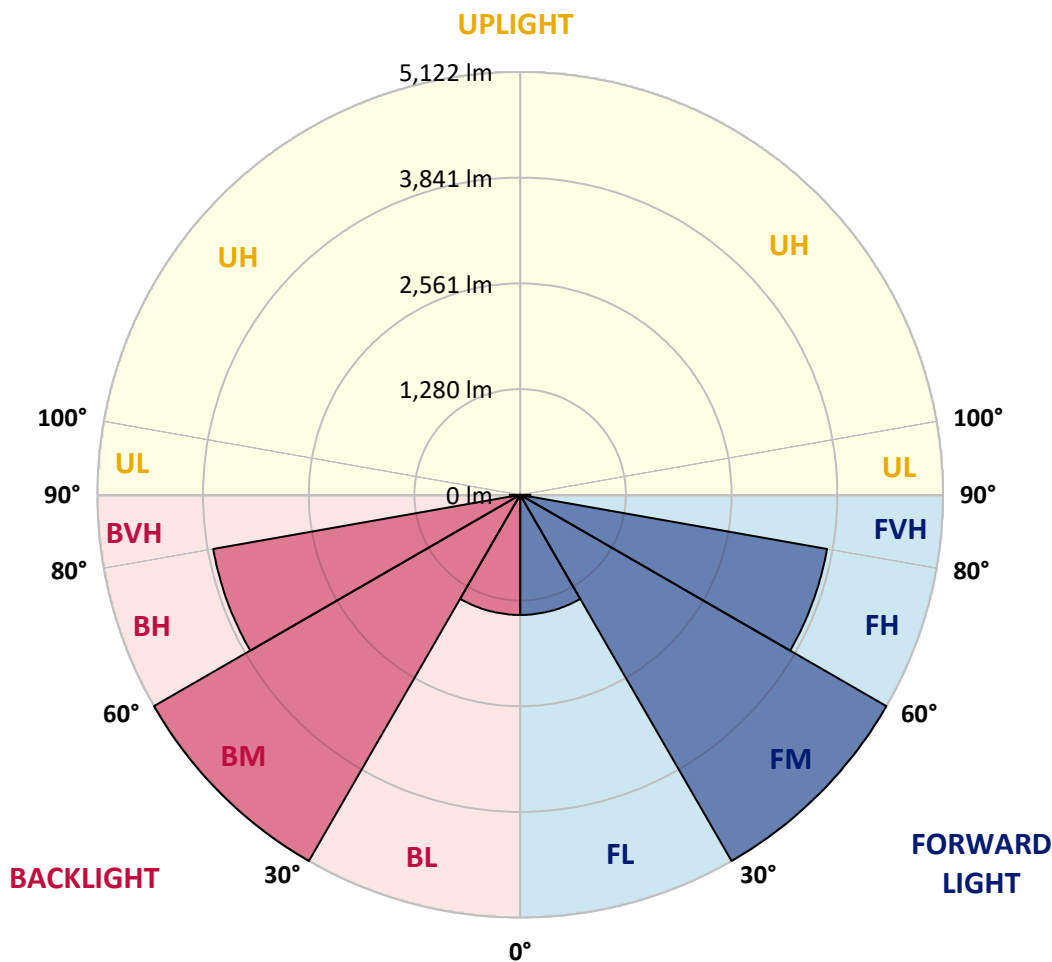
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1455.1	6.9			
FM	(30°-60°)	5121.8	24.4			
FH	(60°-80°)	3774.9	18.0			G2/5000
FVH	(80°-90°)	123.7	0.6			G2/225
BL	(0°-30°)	1455.1	6.9	B3/2500		
BM	(30°-60°)	5121.8	24.4	B4/8500		
BH	(60°-80°)	3774.9	18.0	B4/5000		G4/5000
BVH	(80°-90°)	123.7	0.6			G2/225
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B4-U0-G4

Type I Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	3446.9	3446.9	3446.9	3446.9	3446.9	3446.9	3446.9	3446.9	3446.9	3446.9	3446.9
2.5°	3418.4	3446.0	3450.5	3438.9	3439.8	3438.0	3445.1	3447.8	3451.4	3446.0	3443.3
5°	3413.0	3437.1	3441.6	3436.2	3443.3	3441.6	3445.1	3451.4	3450.5	3448.7	3448.7
7.5°	3384.5	3402.3	3416.6	3413.0	3414.8	3426.4	3438.9	3459.4	3469.2	3469.2	3467.4
10°	3347.0	3365.7	3389.8	3384.5	3396.0	3420.1	3445.1	3466.5	3491.5	3496.9	3496.9
12.5°	3306.8	3332.7	3355.9	3361.3	3388.0	3415.7	3461.2	3494.2	3522.8	3535.2	3534.4
15°	3253.3	3275.6	3303.3	3322.9	3365.7	3425.5	3485.3	3536.1	3577.2	3594.1	3596.8
17.5°	3181.9	3206.0	3235.4	3276.5	3351.4	3437.1	3529.9	3598.6	3661.1	3678.9	3678.9
20°	3088.2	3114.1	3149.8	3213.1	3314.9	3448.7	3572.7	3680.7	3761.9	3803.8	3810.1
22.5°	2942.8	2971.3	3029.3	3139.1	3272.9	3446.9	3623.6	3777.1	3899.3	3953.7	3960.0
25°	2781.3	2817.8	2899.9	3044.5	3221.2	3445.1	3674.4	3885.9	4049.2	4133.1	4150.9
27.5°	2638.5	2673.3	2774.1	2952.6	3173.0	3448.7	3725.3	4010.8	4246.4	4366.9	4382.0
30°	2498.4	2529.6	2642.1	2854.4	3128.4	3453.2	3790.4	4154.5	4470.4	4654.2	4690.8
32.5°	2383.3	2414.5	2523.4	2750.0	3073.9	3463.0	3873.4	4346.3	4781.8	5056.6	5079.8
35°	2282.5	2318.2	2413.6	2644.7	3001.7	3477.2	3977.8	4598.0	5227.9	5734.7	5761.5
37.5°	2195.0	2223.6	2308.4	2533.2	2925.8	3479.9	4099.2	4893.3	5804.3	6553.0	6735.9
40°	2137.0	2156.7	2221.8	2430.6	2825.9	3457.6	4238.4	5223.5	6446.8	7503.3	7712.0
42.5°	2084.4	2102.2	2154.0	2336.0	2721.5	3414.8	4367.8	5562.5	7090.1	8474.1	8671.3
45°	2021.0	2035.3	2088.0	2255.7	2619.8	3348.8	4474.8	5876.6	7755.8	9449.3	9634.9
47.5°	1969.3	1980.0	2024.6	2183.4	2506.4	3242.6	4520.3	6161.3	8469.6	10351.4	10581.6
50°	1933.6	1930.0	1969.3	2108.5	2390.4	3094.5	4482.0	6371.8	9221.8	11254.4	11502.5
52.5°	1872.0	1875.6	1913.1	2030.8	2294.1	2911.5	4332.1	6520.0	9978.5	12078.9	12372.5
55°	1808.7	1814.0	1843.5	1949.7	2192.4	2737.5	4054.6	6540.5	10769.9	12940.9	13140.7
57.5°	1740.9	1743.5	1768.5	1862.2	2079.0	2557.3	3704.8	6410.2	11504.3	13731.4	13920.6
60°	1681.1	1682.0	1698.9	1771.2	1953.2	2362.8	3297.9	6148.8	12095.9	14338.2	14646.0
62.5°	1600.8	1600.8	1611.5	1672.1	1824.7	2162.0	2907.1	5743.7	12418.9	14780.8	15004.7
65°	1485.7	1487.4	1498.2	1537.4	1656.1	1943.4	2540.3	5208.3	12399.2	14997.6	15222.4
67.5°	1265.3	1260.8	1325.0	1389.3	1482.1	1722.1	2180.8	4682.7	11949.5	14904.8	15115.4
70°	916.4	910.1	947.6	1038.6	1262.6	1438.4	1853.3	4243.7	10657.5	14557.7	14732.6
72.5°	752.2	755.8	757.6	746.0	845.0	1164.4	1548.1	3732.4	8793.5	13493.2	14037.5
75°	595.2	586.2	596.0	605.0	631.7	682.6	1252.8	3107.8	7136.5	11314.2	12232.4
77.5°	375.7	370.3	369.4	374.8	409.6	432.8	767.4	2278.0	4965.6	7157.0	7217.7
80°	261.4	260.5	261.4	268.6	280.2	285.5	425.6	1248.3	2500.2	2606.4	2560.0
82.5°	185.6	179.3	174.0	187.4	181.1	175.8	256.1	572.0	674.6	459.5	373.0
85°	91.9	93.7	79.4	100.8	94.6	91.9	99.9	108.9	100.8	188.3	213.3
87.5°	25.9	25.0	27.7	32.1	31.2	35.7	32.1	34.8	41.0	71.4	70.5
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)