

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: P509979

Luminaire Tested: **VERD-M-CA3-180-730-U-T1**

Issue Date: 4/6/2021

Test Information

Test Method: LM-79-08
Report Number: P509979
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-CA3-180-730-U-T1
Description: VERDEON-M ROADWAY AND AREA LUMINAIRE
(3) 70 CRI, 3000K, 1120mA LEDS AND TYPE I OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 26583 lumens
Efficiency: N/A
Efficacy: 145.2 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

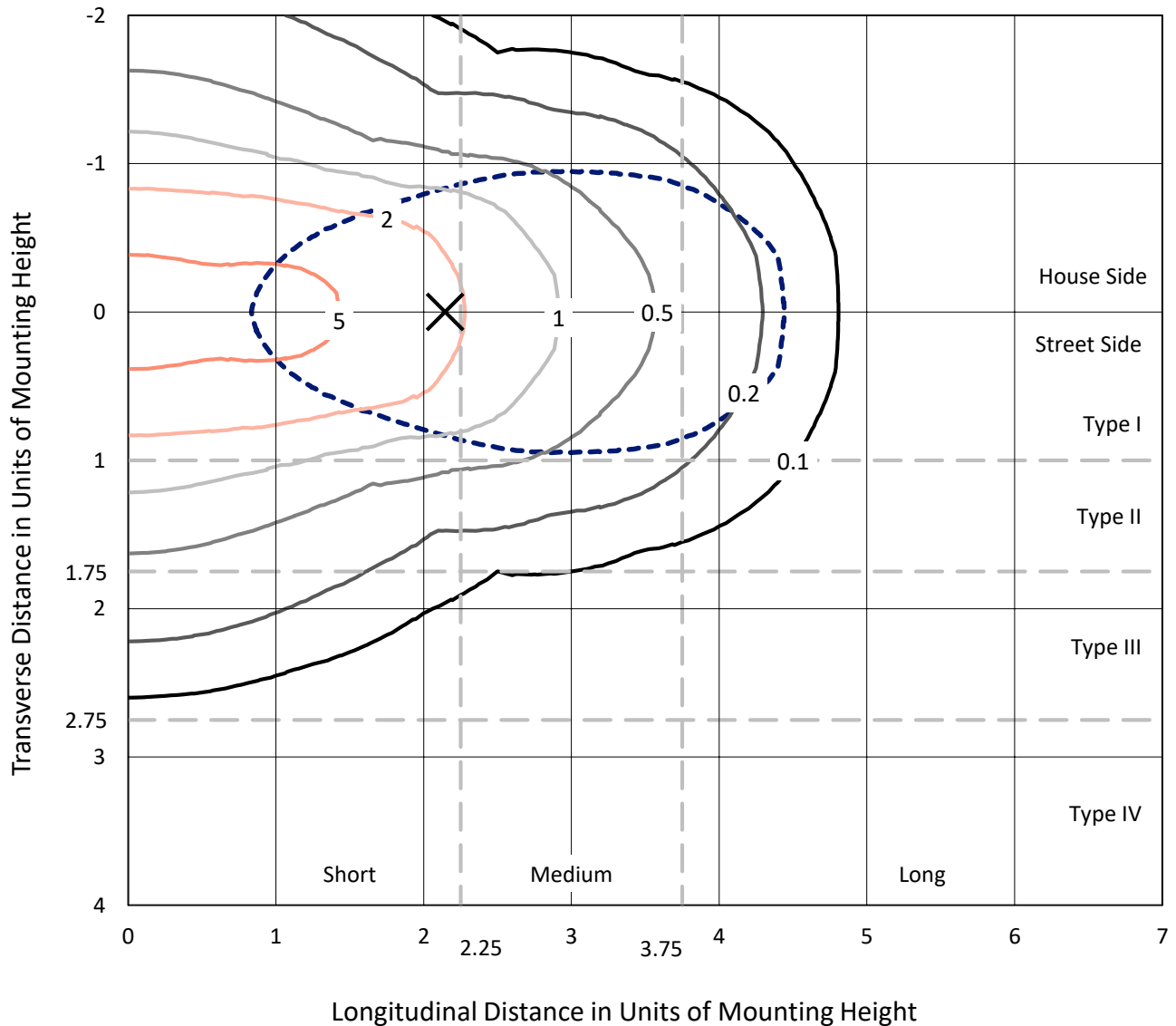
Input Watts (W): 183.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

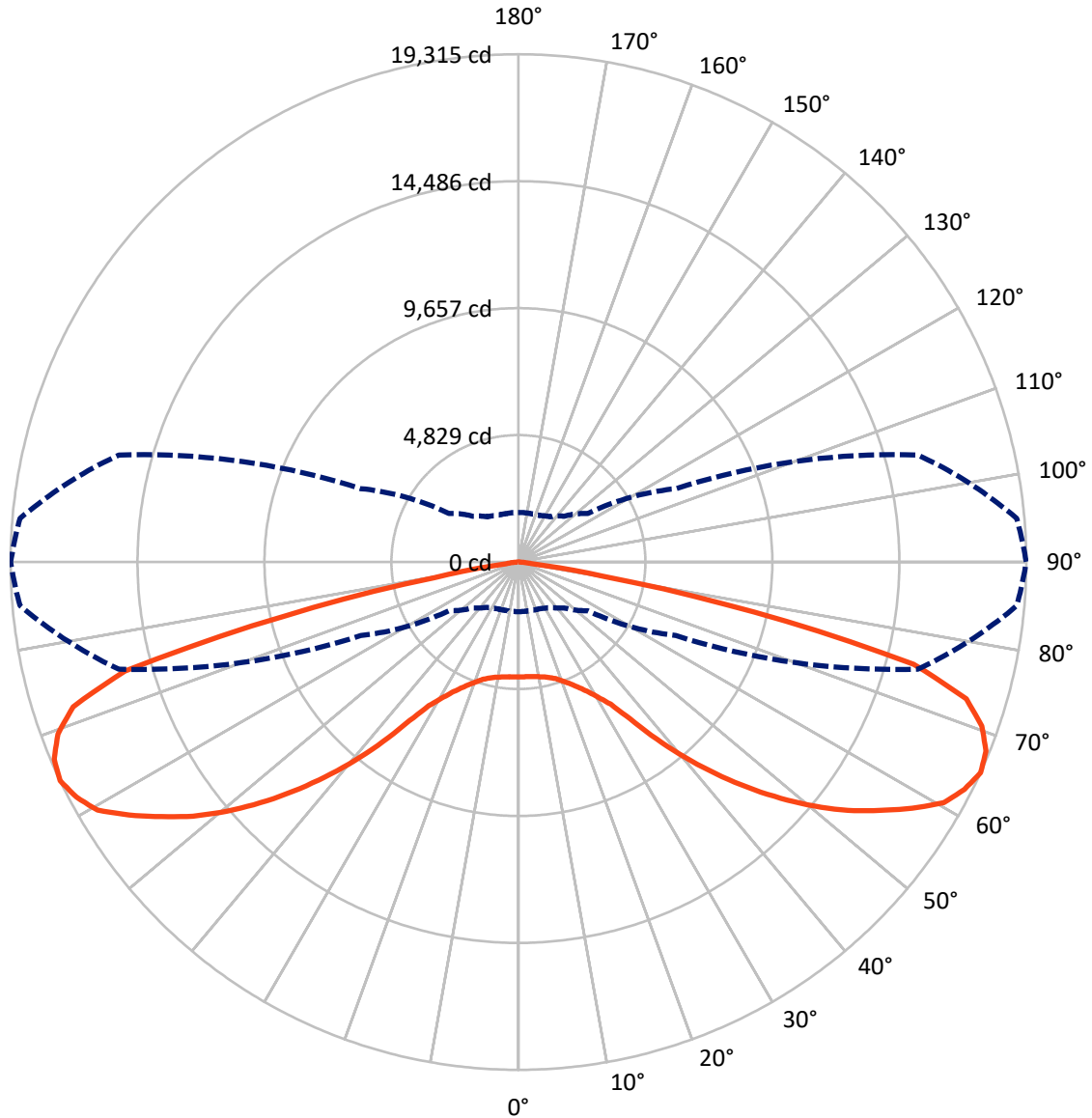
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 7.1 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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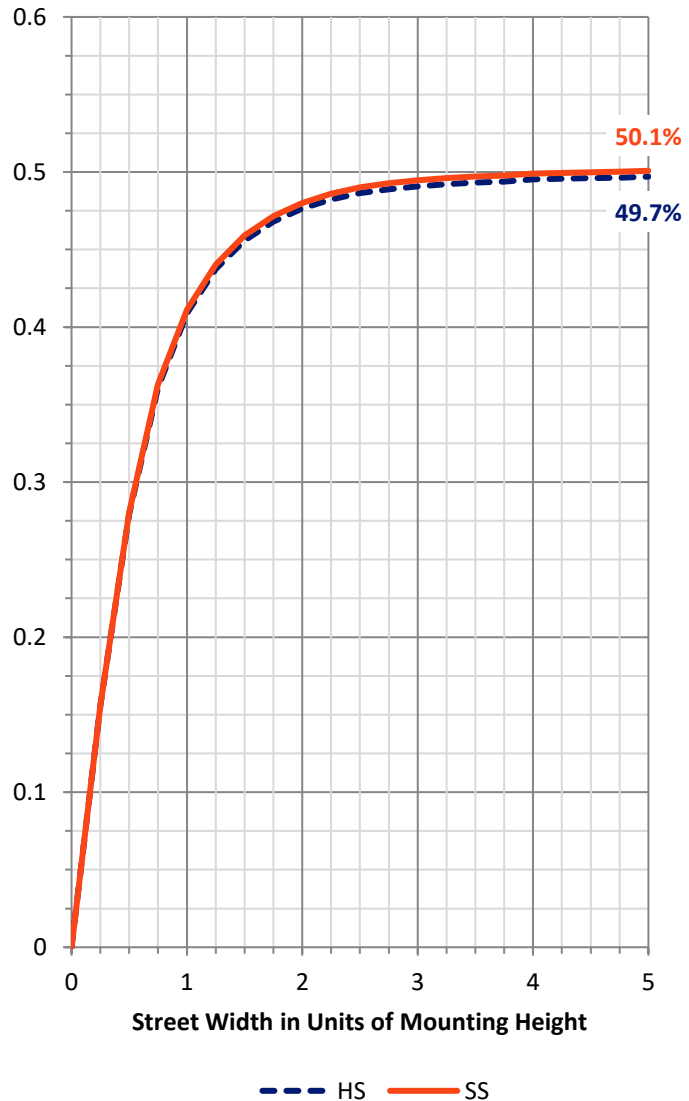
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	13291.5	0.0	13291.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	13291.5	0.0	13291.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	26583.0	0.0	26583.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	416.2	1.6
10°-20°	1235.9	4.6
20°-30°	2040.4	7.7
30°-40°	2989.8	11.2
40°-50°	4361.1	16.4
50°-60°	5646.2	21.2
60°-70°	5948.7	22.4
70°-80°	3630.7	13.7
80°-90°	313.9	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°	26583.0	100.0
0°-180°	26583.0	100.0

Coefficient of Utilization



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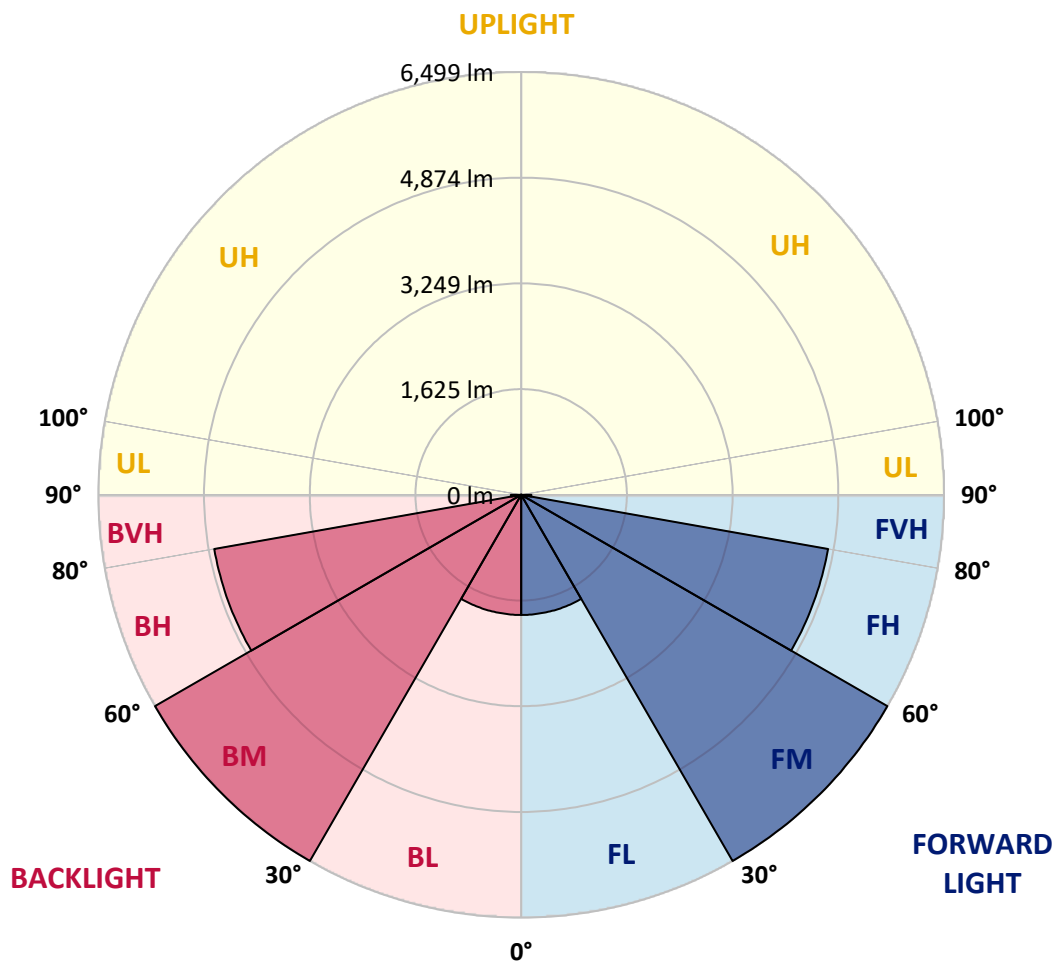
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1846.3	6.9			
FM (30°-60°)	6498.6	24.4			
FH (60°-80°)	4789.7	18.0			G2/5000
FVH (80°-90°)	156.9	0.6			G2/225
BL (0°-30°)	1846.3	6.9	B3/2500		
BM (30°-60°)	6498.6	24.4	B4/8500		
BH (60°-80°)	4789.7	18.0	B4/5000		G4/5000
BVH (80°-90°)	156.9	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°	4373.5	4373.5	4373.5	4373.5	4373.5	4373.5	4373.5	4373.5	4373.5	4373.5	4373.5
2.5°	4337.3	4372.4	4378.0	4363.3	4364.4	4362.2	4371.2	4374.6	4379.2	4372.4	4369.0
5°	4330.5	4361.0	4366.7	4359.9	4369.0	4366.7	4371.2	4379.2	4378.0	4375.8	4375.8
7.5°	4294.3	4316.9	4335.0	4330.5	4332.7	4347.5	4363.3	4389.4	4401.8	4401.8	4399.5
10°	4246.7	4270.5	4301.0	4294.3	4309.0	4339.5	4371.2	4398.4	4430.1	4436.9	4436.9
12.5°	4195.8	4228.6	4258.0	4264.8	4298.8	4333.9	4391.6	4433.5	4469.7	4485.6	4484.5
15°	4127.8	4156.1	4191.2	4216.1	4270.5	4346.3	4422.2	4486.7	4538.8	4560.3	4563.7
17.5°	4037.3	4067.8	4105.2	4157.3	4252.4	4361.0	4478.8	4566.0	4645.2	4667.9	4667.9
20°	3918.4	3951.2	3996.5	4076.9	4205.9	4375.8	4533.1	4670.1	4773.2	4826.4	4834.3
22.5°	3733.8	3770.1	3843.7	3982.9	4152.7	4373.5	4597.7	4792.4	4947.5	5016.6	5024.5
25°	3528.9	3575.3	3679.5	3862.9	4087.1	4371.2	4662.2	4930.5	5137.7	5244.1	5266.8
27.5°	3347.8	3391.9	3519.9	3746.3	4025.9	4375.8	4726.7	5089.0	5387.9	5540.7	5560.0
30°	3170.0	3209.6	3352.3	3621.8	3969.3	4381.4	4809.4	5271.3	5672.1	5905.3	5951.7
32.5°	3024.0	3063.6	3201.7	3489.3	3900.3	4393.9	4914.7	5514.7	6067.2	6415.9	6445.3
35°	2896.0	2941.3	3062.5	3355.7	3808.6	4412.0	5047.1	5834.0	6633.3	7276.3	7310.3
37.5°	2785.1	2821.3	2928.9	3214.2	3712.3	4415.4	5201.1	6208.7	7364.6	8314.5	8546.6
40°	2711.5	2736.4	2819.1	3084.0	3585.5	4387.1	5377.7	6627.6	8179.8	9520.3	9785.2
42.5°	2644.7	2667.3	2733.0	2964.0	3453.1	4332.7	5541.9	7057.8	8996.1	10752.0	11002.2
45°	2564.3	2582.4	2649.2	2862.1	3324.0	4249.0	5677.7	7456.3	9840.7	11989.5	12225.0
47.5°	2498.7	2512.2	2568.9	2770.4	3180.2	4114.2	5735.5	7817.5	10746.4	13134.1	13426.2
50°	2453.4	2448.8	2498.7	2675.3	3033.0	3926.3	5686.8	8084.7	11700.8	14279.8	14594.6
52.5°	2375.3	2379.8	2427.3	2576.8	2910.8	3694.2	5496.6	8272.6	12660.8	15325.9	15698.4
55°	2294.9	2301.7	2339.0	2473.8	2781.7	3473.4	5144.5	8298.7	13665.1	16419.6	16673.2
57.5°	2208.8	2212.2	2243.9	2362.8	2637.9	3244.7	4700.7	8133.4	14596.8	17422.7	17662.7
60°	2133.0	2134.1	2155.6	2247.3	2478.3	2997.9	4184.4	7801.7	15347.4	18192.5	18583.1
62.5°	2031.1	2031.1	2044.7	2121.7	2315.2	2743.2	3688.5	7287.7	15757.3	18754.1	19038.3
65°	1885.0	1887.3	1900.9	1950.7	2101.3	2465.8	3223.2	6608.4	15732.4	19029.2	19314.5
67.5°	1605.4	1599.7	1681.2	1762.8	1880.5	2185.1	2767.0	5941.5	15161.8	18911.5	19178.6
70°	1162.7	1154.8	1202.3	1317.8	1602.0	1825.0	2351.5	5384.5	13522.4	18471.1	18693.0
72.5°	954.4	958.9	961.2	946.5	1072.1	1477.5	1964.3	4735.8	11157.4	17120.4	17811.0
75°	755.1	743.8	756.3	767.6	801.6	866.1	1589.5	3943.3	9054.9	14355.7	15520.7
77.5°	476.6	469.8	468.7	475.5	519.7	549.1	973.7	2890.4	6300.4	9081.0	9158.0
80°	331.7	330.6	331.7	340.8	355.5	362.3	540.0	1583.9	3172.3	3307.0	3248.1
82.5°	235.5	227.6	220.8	237.8	229.8	223.0	324.9	725.7	855.9	583.1	473.2
85°	116.6	118.9	100.8	127.9	120.0	116.6	126.8	138.1	127.9	238.9	270.6
87.5°	32.8	31.7	35.1	40.8	39.6	45.3	40.8	44.2	52.1	90.6	89.4
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)