

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: P510267

Luminaire Tested: **VERD-M-CA4-240-730-U-T1**

Issue Date: 4/6/2021

Test Information

Test Method: LM-79-08
Report Number: P510267
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-CA4-240-730-U-T1
Description: VERDEON-M ROADWAY AND AREA LUMINAIRE
(4) 70 CRI, 3000K, 1090mA LEDS AND TYPE I OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 34840 lumens
Efficiency: N/A
Efficacy: 143.8 lumens/watt
Luminous Opening: Rectangular (W 1.35' x L: 1.58' x H: 0')
IES Classification: Type I - Short
BUG Rating: B5 - U0 - G5

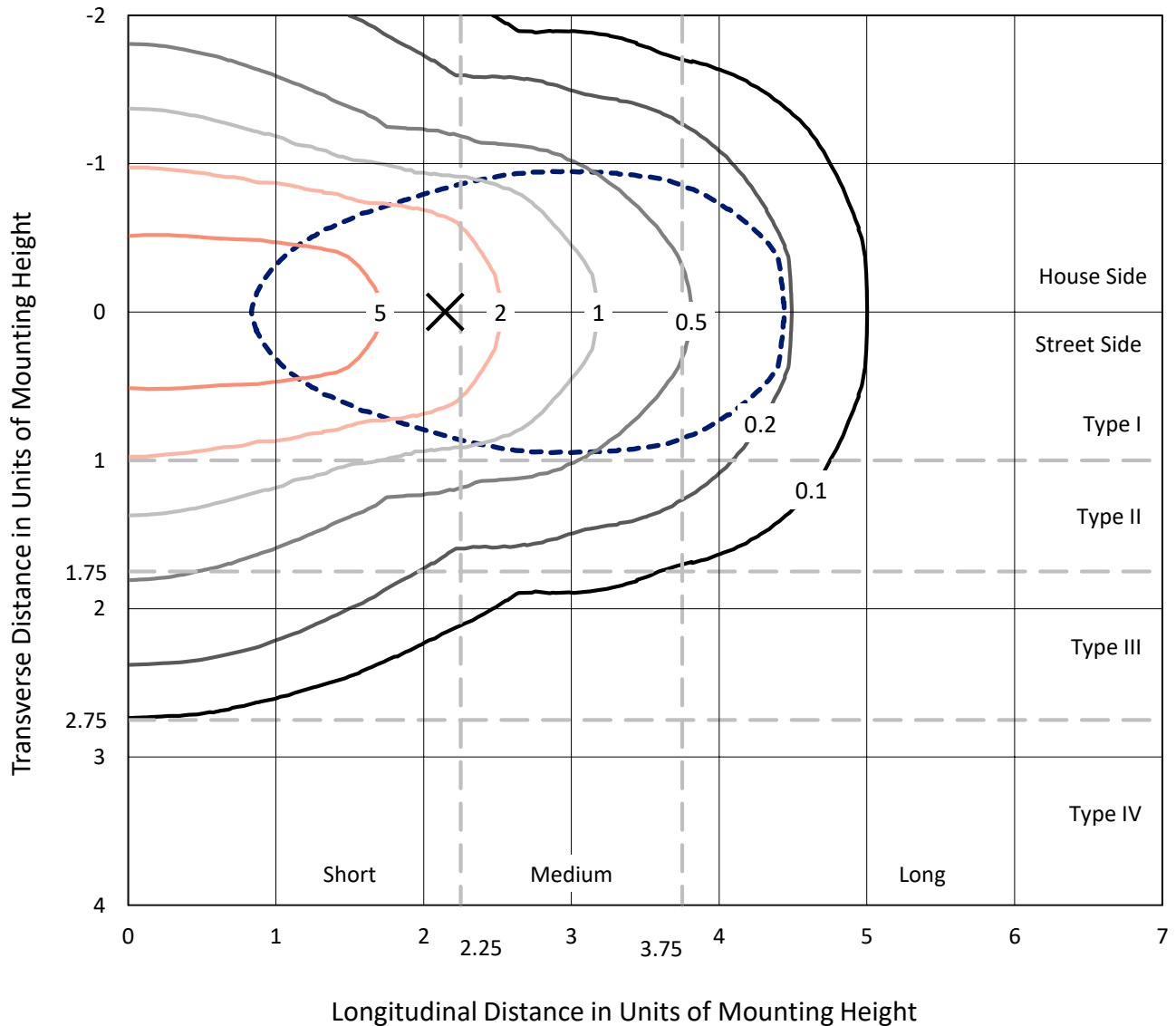
Input Watts (W): 242.3
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

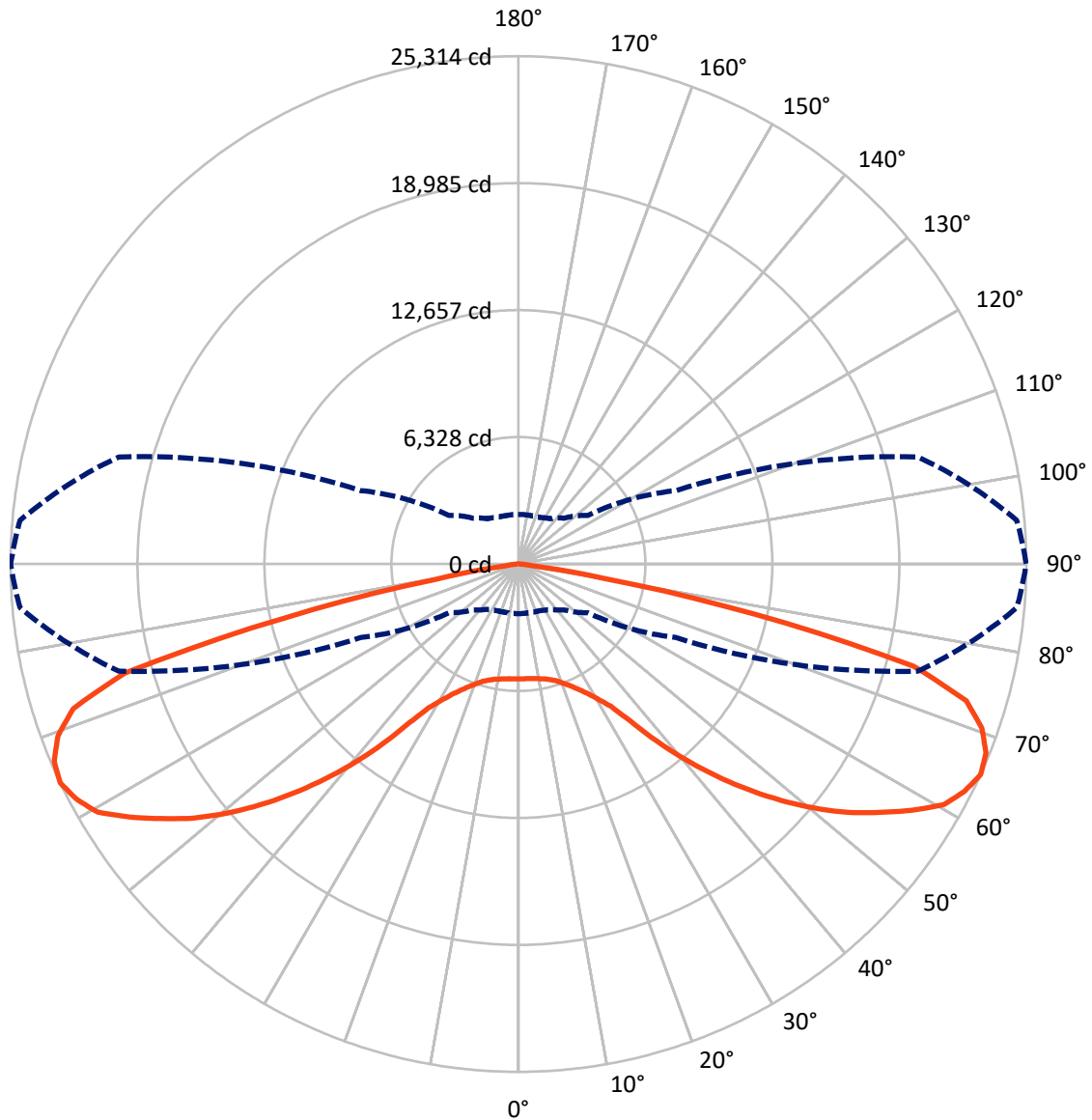
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 9.3 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	17420.0	0.0	17420.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	17420.0	0.0	17420.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	34840.0	0.0	34840.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	545.5	1.6
10°-20°	1619.8	4.6
20°-30°	2674.2	7.7
30°-40°	3918.4	11.2
40°-50°	5715.8	16.4
50°-60°	7400.0	21.2
60°-70°	7796.4	22.4
70°-80°	4758.5	13.7
80°-90°	411.3	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°	34840.0	100.0
0°-180°	34840.0	100.0



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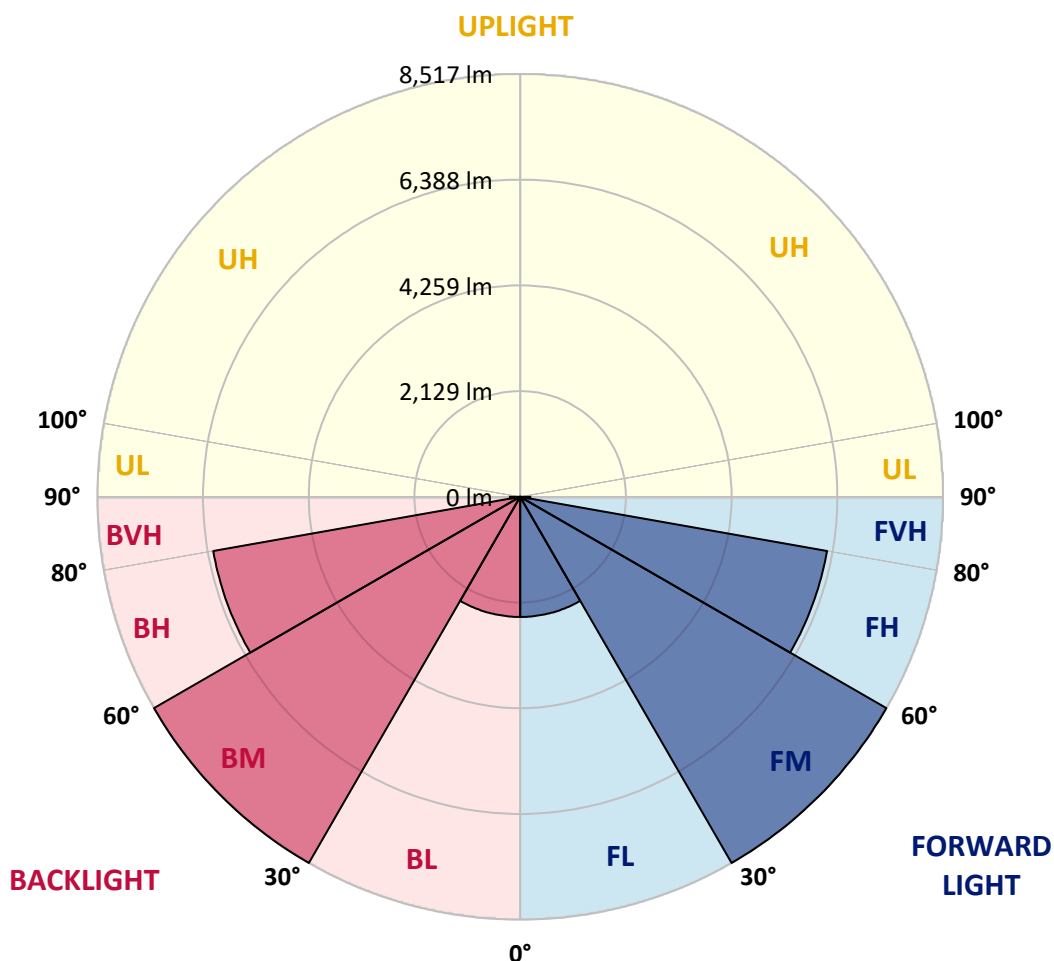
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	2419.8	6.9			
FM	(30°-60°)	8517.1	24.4			
FH	(60°-80°)	6277.4	18.0			G3/7500
FVH	(80°-90°)	205.7	0.6			G2/225
BL	(0°-30°)	2419.8	6.9	B3/2500		
BM	(30°-60°)	8517.1	24.4	B5		
BH	(60°-80°)	6277.4	18.0	B5		G5
BVH	(80°-90°)	205.7	0.6			G2/225
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B5-U0-G5

Type I Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	5732.0	5732.0	5732.0	5732.0	5732.0	5732.0	5732.0	5732.0	5732.0	5732.0	5732.0
2.5°	5684.5	5730.5	5737.9	5718.6	5720.1	5717.1	5729.0	5733.4	5739.4	5730.5	5726.0
5°	5675.6	5715.6	5723.1	5714.2	5726.0	5723.1	5729.0	5739.4	5737.9	5734.9	5734.9
7.5°	5628.1	5657.8	5681.5	5675.6	5678.5	5697.8	5718.6	5752.7	5769.1	5769.1	5766.1
10°	5565.8	5596.9	5637.0	5628.1	5647.4	5687.4	5729.0	5764.6	5806.2	5815.1	5815.1
12.5°	5499.0	5542.0	5580.6	5589.5	5634.0	5680.0	5755.7	5810.6	5858.1	5878.9	5877.4
15°	5410.0	5447.1	5493.1	5525.7	5596.9	5696.4	5795.8	5880.3	5948.6	5976.8	5981.2
17.5°	5291.3	5331.3	5380.3	5448.6	5573.2	5715.6	5870.0	5984.2	6088.1	6117.8	6117.8
20°	5135.5	5178.5	5237.9	5343.2	5512.4	5734.9	5941.2	6120.7	6255.7	6325.5	6335.9
22.5°	4893.6	4941.1	5037.5	5220.0	5442.6	5732.0	6025.8	6281.0	6484.3	6574.8	6585.2
25°	4625.0	4685.9	4822.4	5062.8	5356.6	5729.0	6110.3	6462.0	6733.5	6873.0	6902.7
27.5°	4387.6	4445.5	4613.2	4909.9	5276.4	5734.9	6194.9	6669.7	7061.5	7261.8	7287.0
30°	4154.7	4206.6	4393.6	4746.7	5202.2	5742.3	6303.2	6908.6	7433.9	7739.6	7800.4
32.5°	3963.3	4015.2	4196.2	4573.1	5111.7	5758.7	6441.2	7227.6	7951.7	8408.8	8447.3
35°	3795.6	3854.9	4013.7	4398.0	4991.5	5782.4	6614.8	7646.1	8693.7	9536.5	9581.0
37.5°	3650.2	3697.7	3838.6	4212.5	4865.4	5786.9	6816.6	8137.2	9652.2	10897.1	11201.3
40°	3553.7	3586.4	3694.7	4041.9	4699.2	5749.8	7048.1	8686.2	10720.5	12477.4	12824.6
42.5°	3466.2	3495.9	3581.9	3884.6	4525.6	5678.5	7263.3	9250.1	11790.4	14091.8	14419.7
45°	3360.8	3384.6	3472.1	3751.1	4356.5	5568.7	7441.3	9772.4	12897.3	15713.6	16022.2
47.5°	3274.8	3292.6	3366.8	3630.9	4168.0	5392.2	7517.0	10245.7	14084.3	17213.7	17596.5
50°	3215.4	3209.5	3274.8	3506.2	3975.1	5145.9	7453.2	10595.9	15335.2	18715.3	19127.8
52.5°	3113.0	3119.0	3181.3	3377.2	3814.9	4841.7	7203.9	10842.2	16593.5	20086.4	20574.5
55°	3007.7	3016.6	3065.6	3242.1	3645.7	4552.3	6742.4	10876.3	17909.6	21519.7	21852.1
57.5°	2894.9	2899.4	2940.9	3096.7	3457.3	4252.6	6160.8	10659.7	19130.8	22834.4	23148.9
60°	2795.5	2797.0	2825.2	2945.4	3248.1	3929.1	5484.2	10224.9	20114.5	23843.4	24355.3
62.5°	2662.0	2662.0	2679.8	2780.7	3034.4	3595.3	4834.3	9551.3	20651.7	24579.3	24951.8
65°	2470.5	2473.5	2491.3	2556.6	2754.0	3231.7	4224.4	8661.0	20619.0	24939.9	25313.8
67.5°	2104.0	2096.6	2203.5	2310.3	2464.6	2863.8	3626.4	7787.0	19871.2	24785.6	25135.8
70°	1523.9	1513.5	1575.8	1727.2	2099.6	2391.9	3081.9	7057.0	17722.6	24208.4	24499.2
72.5°	1250.9	1256.8	1259.8	1240.5	1405.2	1936.4	2574.4	6206.8	14623.0	22438.2	23343.3
75°	989.7	974.9	991.2	1006.0	1050.5	1135.1	2083.3	5168.1	11867.5	18814.7	20341.6
77.5°	624.7	615.8	614.3	623.2	681.1	719.6	1276.1	3788.2	8257.4	11901.7	12002.5
80°	434.8	433.3	434.8	446.6	465.9	474.8	707.8	2075.9	4157.6	4334.2	4257.1
82.5°	308.6	298.2	289.3	311.6	301.2	292.3	425.9	951.1	1121.8	764.2	620.2
85°	152.8	155.8	132.1	167.7	157.3	152.8	166.2	181.0	167.7	313.1	354.6
87.5°	43.0	41.5	46.0	53.4	51.9	59.4	53.4	57.9	68.3	118.7	117.2
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)