

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: P510283

Luminaire Tested: **VERD-M-CA4-240-750-U-T1**

Issue Date: 4/6/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P510283  
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-CA4-240-750-U-T1  
Description: VERDEON-M ROADWAY AND AREA LUMINAIRE  
(4) 70 CRI, 5000K, 1090mA LEDS AND TYPE I OPTICS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 36133 lumens  
Efficiency: N/A  
Efficacy: 149.1 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

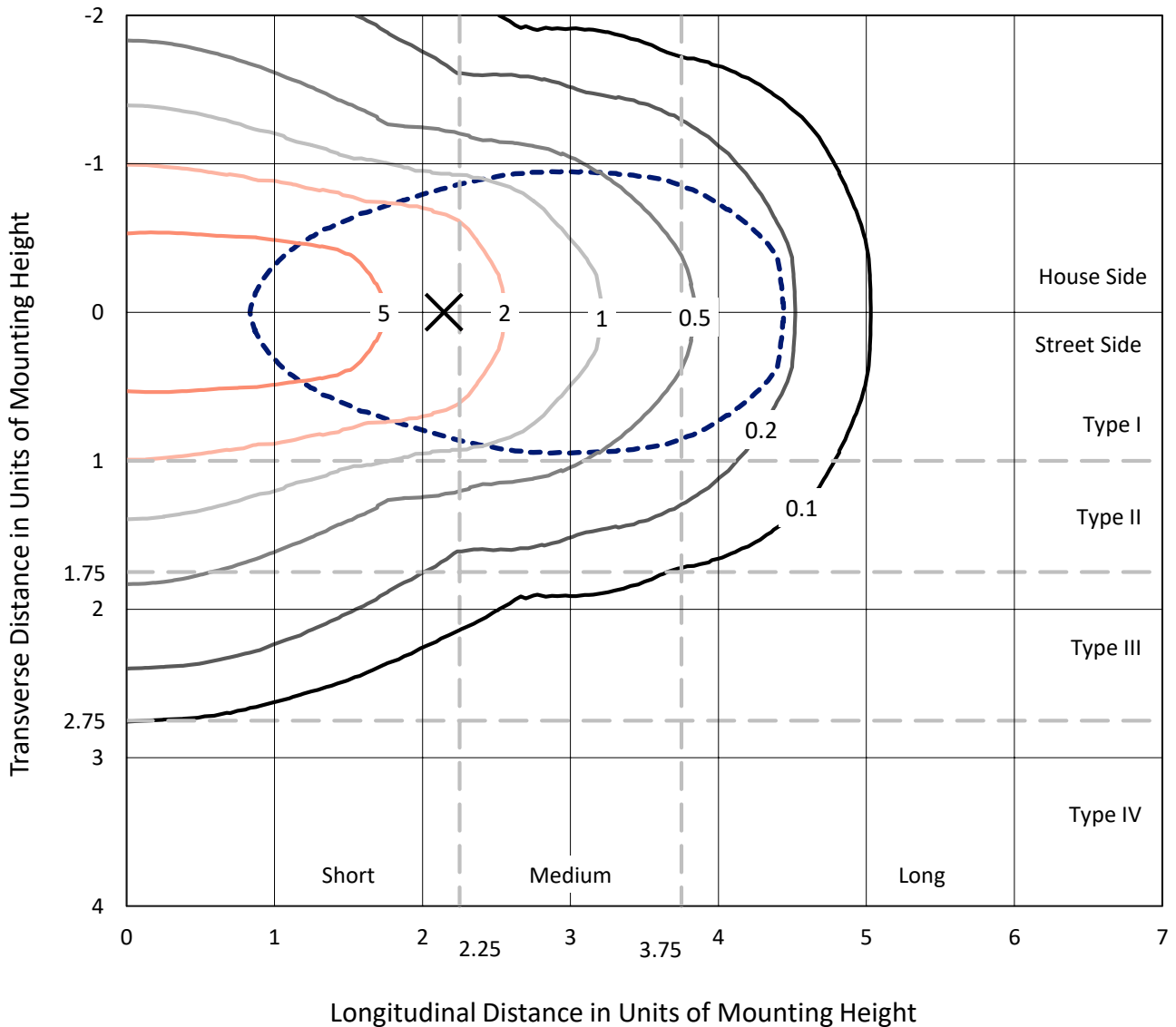
Input Watts (W): 242.3  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

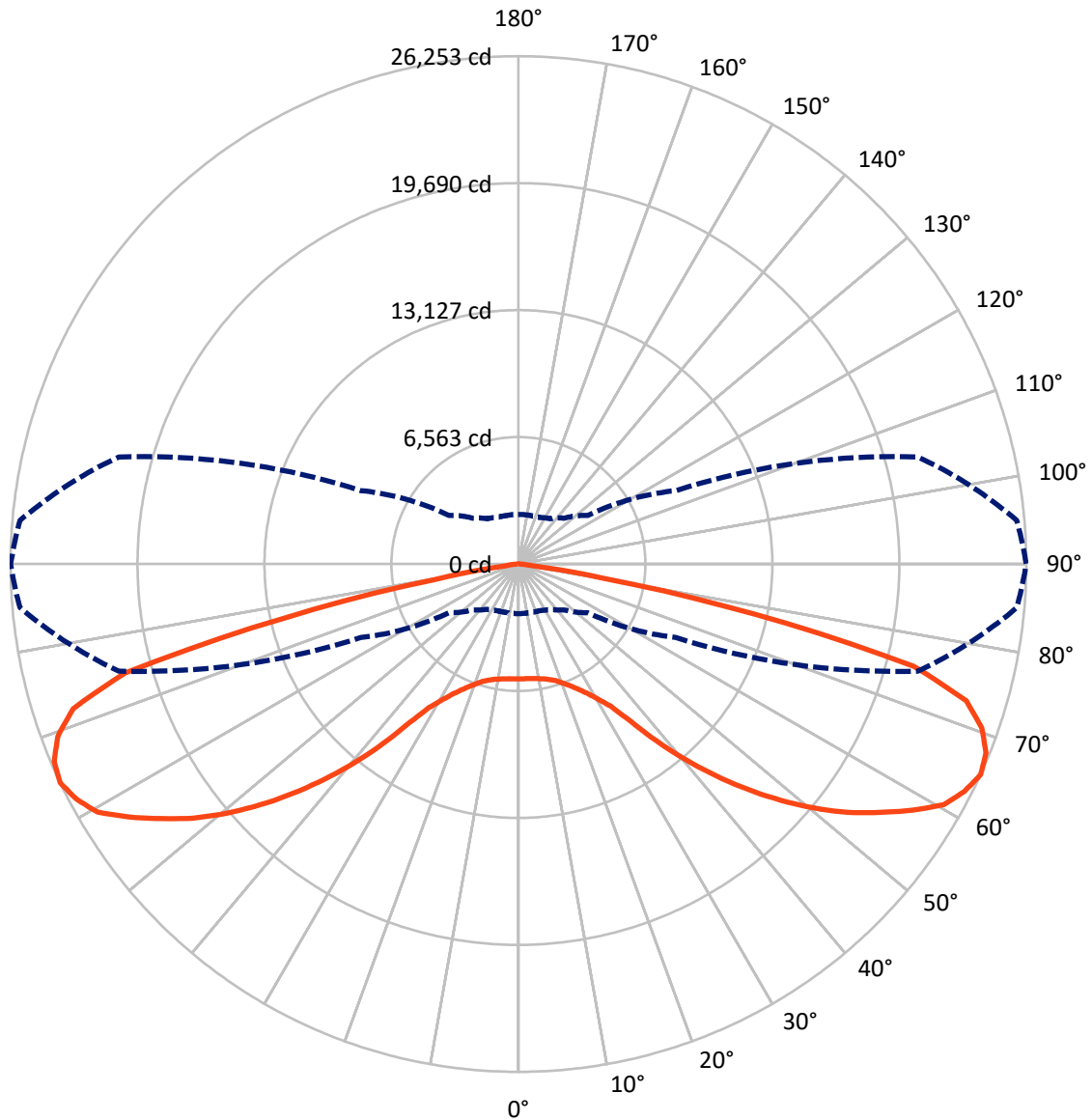
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 9.6 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
<b>House Side</b>	Lumens	18066.5	0.0	18066.5
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	18066.5	0.0	18066.5
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	36133.0	0.0	36133.0
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	565.8	1.6
10°-20°	1679.9	4.6
20°-30°	2773.5	7.7
30°-40°	4063.9	11.2
40°-50°	5927.9	16.4
50°-60°	7674.7	21.2
60°-70°	8085.8	22.4
70°-80°	4935.0	13.7
80°-90°	426.6	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°	36133.0	100.0
0°-180°	36133.0	100.0



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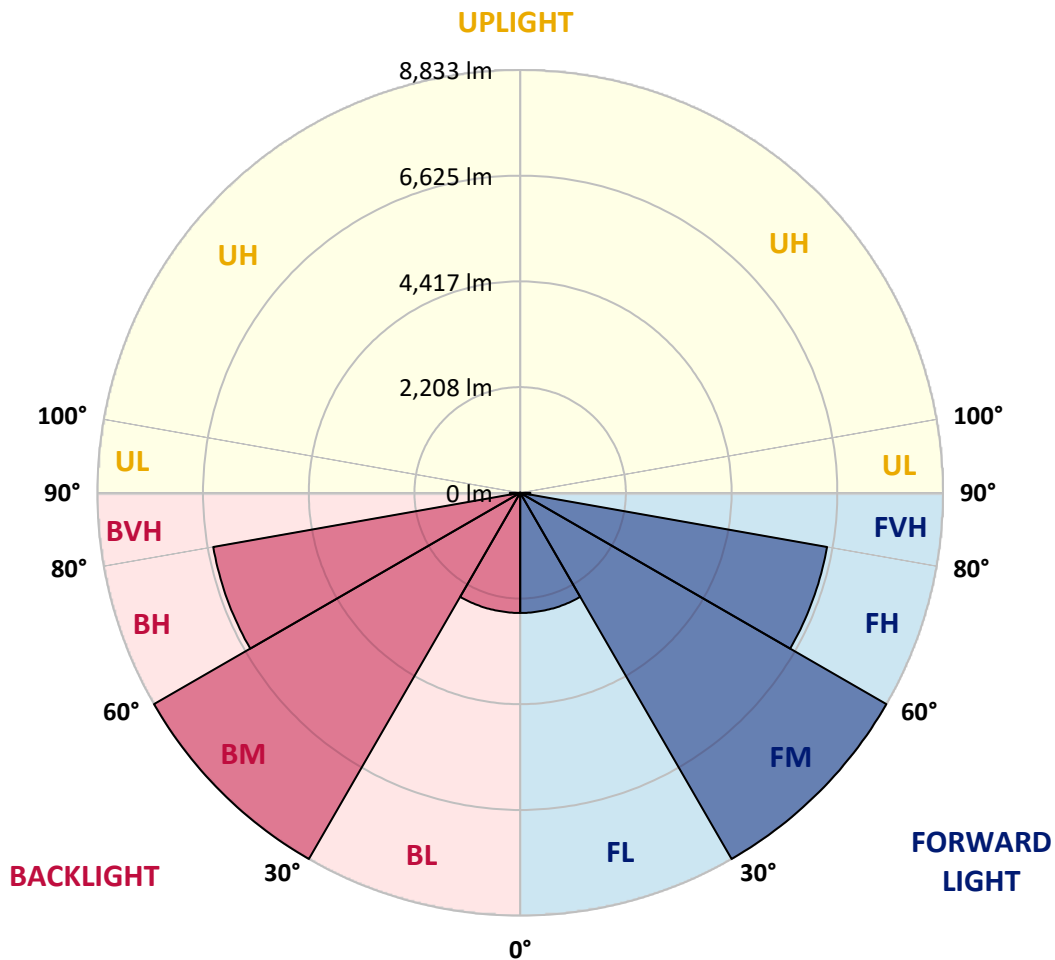
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	2509.6	6.9			
FM	(30°-60°)	8833.2	24.4			
FH	(60°-80°)	6510.4	18.0			G3/7500
FVH	(80°-90°)	213.3	0.6			G2/225
BL	(0°-30°)	2509.6	6.9	B4/5000		
BM	(30°-60°)	8833.2	24.4	B5		
BH	(60°-80°)	6510.4	18.0	B5		G5
BVH	(80°-90°)	213.3	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°	5944.7	5944.7	5944.7	5944.7	5944.7	5944.7	5944.7	5944.7	5944.7	5944.7	5944.7
2.5°	5895.4	5943.2	5950.8	5930.8	5932.4	5929.3	5941.6	5946.2	5952.4	5943.2	5938.5
5°	5886.2	5927.8	5935.5	5926.2	5938.5	5935.5	5941.6	5952.4	5950.8	5947.8	5947.8
7.5°	5837.0	5867.7	5892.4	5886.2	5889.3	5909.3	5930.8	5966.2	5983.2	5983.2	5980.1
10°	5772.3	5804.7	5846.2	5837.0	5857.0	5898.5	5941.6	5978.5	6021.6	6030.9	6030.9
12.5°	5703.1	5747.7	5787.7	5797.0	5843.1	5890.8	5969.3	6026.3	6075.5	6097.0	6095.5
15°	5610.8	5649.2	5696.9	5730.8	5804.7	5907.8	6010.9	6098.6	6169.4	6198.6	6203.2
17.5°	5487.6	5529.2	5580.0	5650.8	5780.0	5927.8	6087.8	6206.3	6314.0	6344.8	6344.8
20°	5326.1	5370.7	5432.2	5541.5	5716.9	5947.8	6161.7	6347.9	6487.9	6560.2	6571.0
22.5°	5075.2	5124.5	5224.5	5413.8	5644.6	5944.7	6249.4	6514.1	6724.9	6818.8	6829.5
25°	4796.7	4859.8	5001.4	5250.7	5555.4	5941.6	6337.1	6701.8	6983.4	7128.1	7158.9
27.5°	4550.5	4610.5	4784.4	5092.2	5472.3	5947.8	6424.8	6917.3	7323.5	7531.3	7557.4
30°	4308.9	4362.7	4556.6	4922.9	5395.3	5955.5	6537.2	7165.0	7709.8	8026.8	8089.9
32.5°	4110.3	4164.2	4352.0	4742.8	5301.4	5972.4	6680.3	7495.9	8246.9	8720.8	8760.8
35°	3936.5	3998.0	4162.7	4561.2	5176.8	5997.0	6860.3	7929.8	9016.3	9890.4	9936.5
37.5°	3785.6	3834.9	3981.1	4368.9	5046.0	6001.6	7069.6	8439.2	10010.4	11301.5	11617.0
40°	3685.6	3719.5	3831.8	4191.9	4873.6	5963.2	7309.7	9008.6	11118.4	12940.4	13300.5
42.5°	3594.8	3625.6	3714.9	4028.8	4693.6	5889.3	7532.8	9593.4	12227.9	14614.7	14954.8
45°	3485.6	3510.2	3601.0	3890.3	4518.1	5775.4	7717.5	10135.1	13375.9	16296.7	16616.8
47.5°	3396.3	3414.8	3491.7	3765.6	4322.7	5592.3	7796.0	10626.0	14607.0	17852.5	18249.6
50°	3334.8	3328.6	3396.3	3636.4	4122.7	5336.8	7729.8	10989.1	15904.3	19409.9	19837.7
52.5°	3228.6	3234.7	3299.4	3502.5	3956.5	5021.4	7471.3	11244.6	17209.3	20831.8	21338.1
55°	3119.3	3128.5	3179.3	3362.5	3781.0	4721.3	6992.7	11280.0	18574.3	22318.4	22663.1
57.5°	3002.4	3007.0	3050.1	3211.6	3585.6	4410.4	6389.4	11055.3	19840.8	23681.8	24008.1
60°	2899.2	2900.8	2930.0	3054.7	3368.6	4075.0	5687.7	10604.4	20861.0	24728.3	25259.2
62.5°	2760.7	2760.7	2779.2	2883.9	3147.0	3728.7	5013.7	9905.8	21418.1	25491.5	25877.8
65°	2562.2	2565.3	2583.8	2651.5	2856.2	3351.7	4381.2	8982.4	21384.3	25865.5	26253.3
67.5°	2182.1	2174.4	2285.2	2396.0	2556.1	2970.0	3761.0	8076.0	20608.7	25705.4	26068.6
70°	1580.4	1569.7	1634.3	1791.3	2177.5	2480.7	3196.3	7318.9	18380.4	25106.8	25408.4
72.5°	1297.3	1303.4	1306.5	1286.5	1457.3	2008.2	2670.0	6437.1	15165.7	23270.9	24209.6
75°	1026.4	1011.0	1028.0	1043.4	1089.5	1177.2	2160.6	5359.9	12308.0	19513.0	21096.5
77.5°	647.9	638.6	637.1	646.3	706.3	746.4	1323.4	3928.8	8563.9	12343.4	12448.0
80°	450.9	449.4	450.9	463.2	483.2	492.4	734.0	2152.9	4311.9	4495.1	4415.0
82.5°	320.1	309.3	300.1	323.2	312.4	303.2	441.7	986.4	1163.4	792.5	643.3
85°	158.5	161.6	137.0	173.9	163.1	158.5	172.4	187.7	173.9	324.7	367.8
87.5°	44.6	43.1	47.7	55.4	53.9	61.6	55.4	60.0	70.8	123.1	121.6
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)