

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: P553607

Luminaire Tested: **VERD-G-CA2-160-730-U-T1**

Issue Date: 7/12/2021

Test Information

Test Method: LM-79-08
Report Number: P553607
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2102-155-1)
Test Lab: INNOVATION CENTER
Issue Date: 7/12/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: VERD-G-CA2-160-730-U-T1
Description: VERDEON-G ROADWAY AND AREA LUMINAIRE
(2) 70 CRI, 3000K, 1460mA LEDS AND TYPE I OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 23941 lumens
Efficiency: N/A
Efficacy: 147.2 lumens/watt
Luminous Opening: Rectangular (W 0.9' x L: 1.25' x H: 0')
IES Classification: Type I - Short
BUG Rating: B4 - U0 - G4

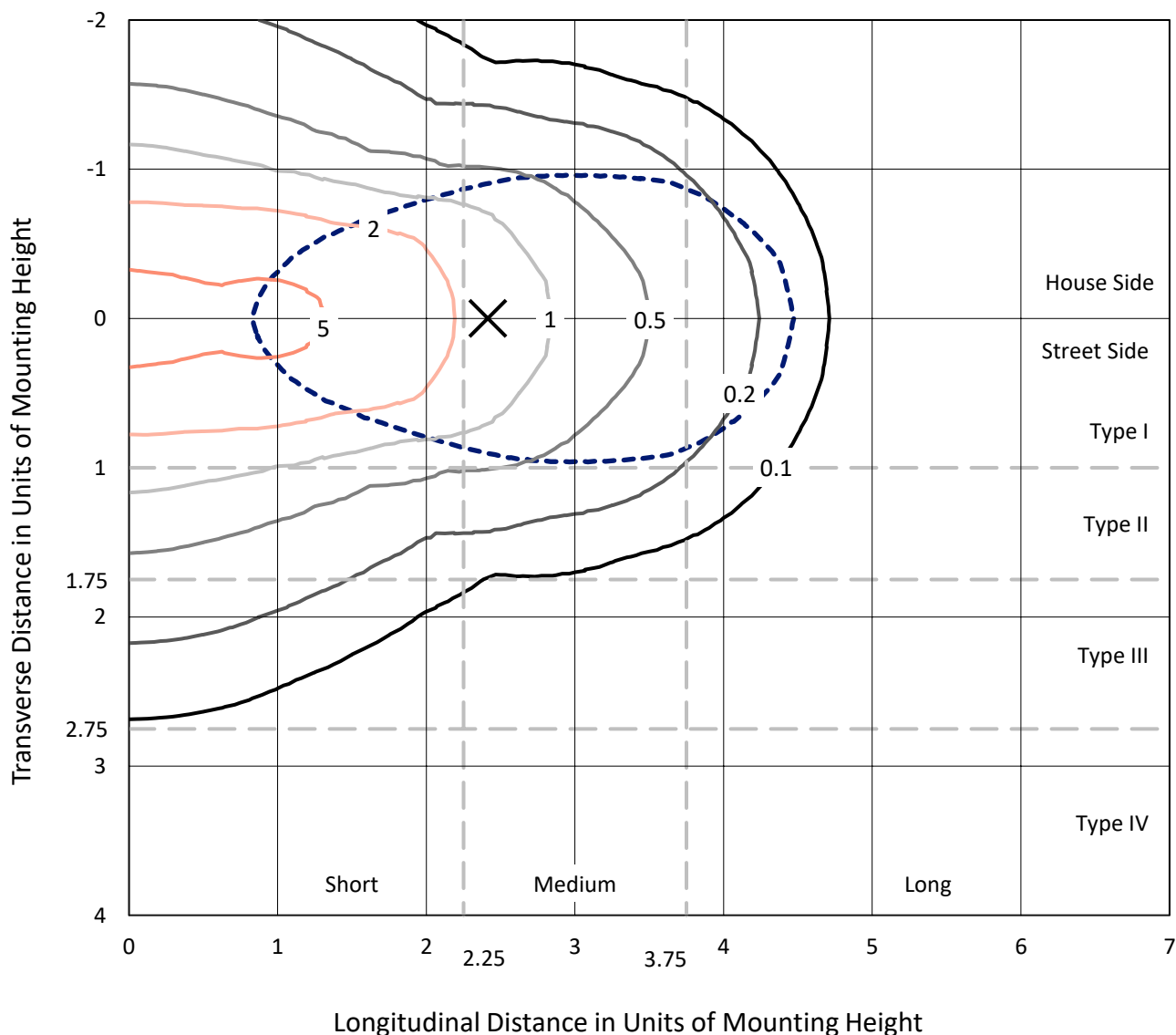
Input Watts (W): 162.6
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

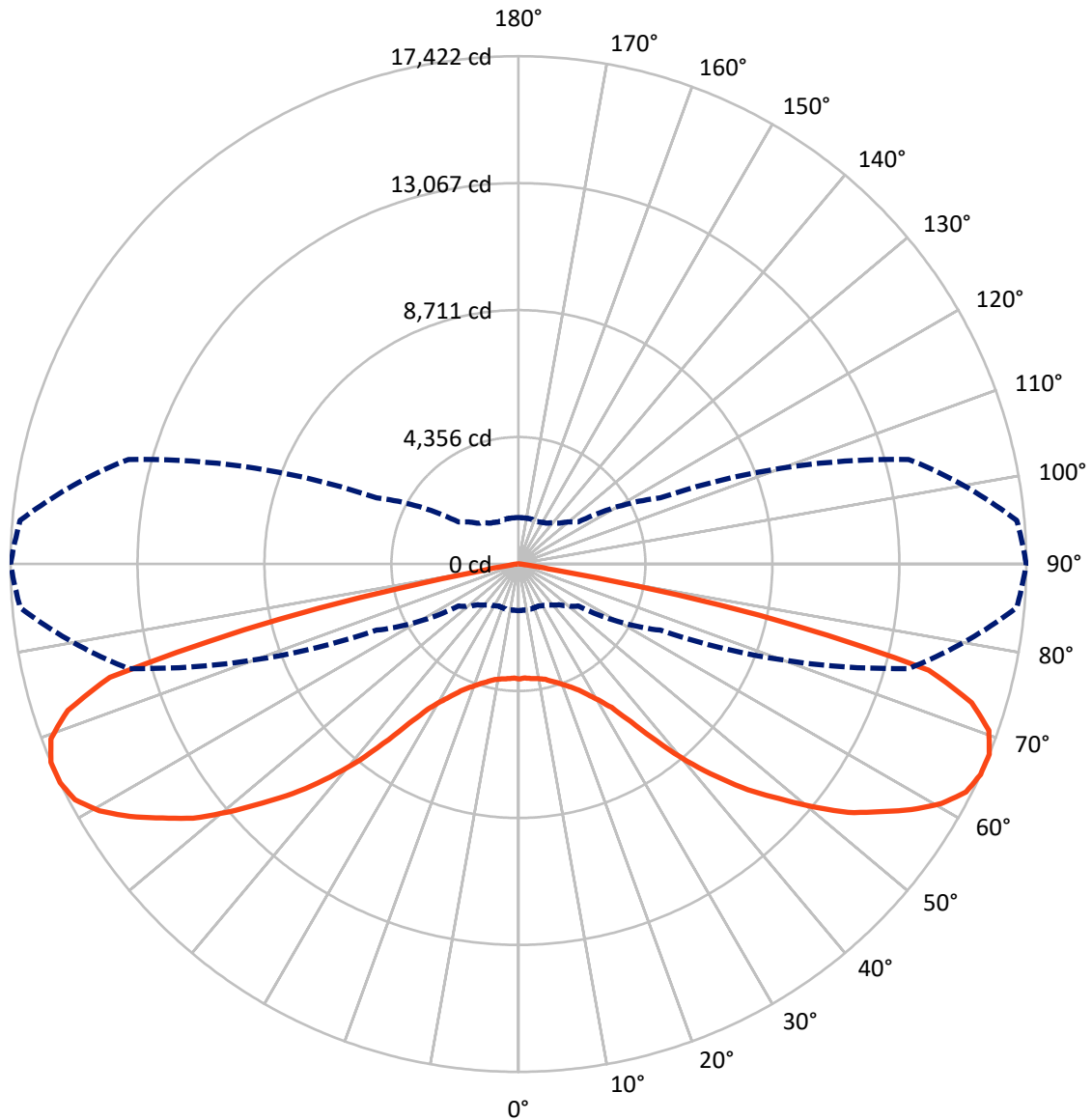
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6.4 fc
 Type I - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 90-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

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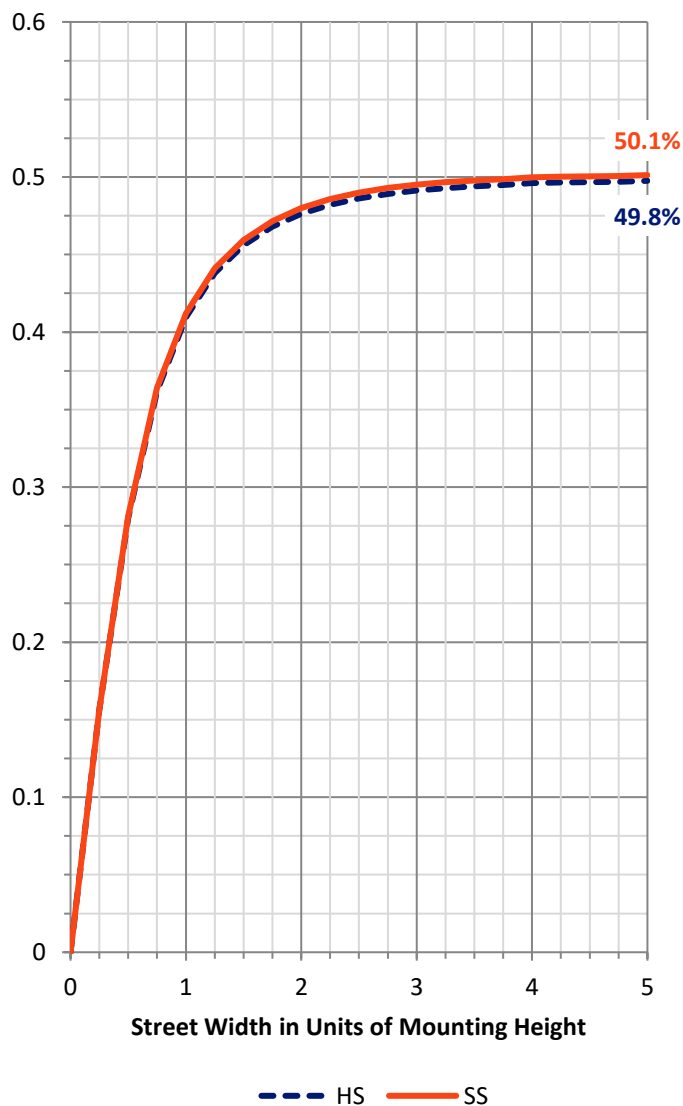
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	11970.5	0.0	11970.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	11970.5	0.0	11970.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	23941.0	0.0	23941.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	376.8	1.6
10°-20°	1122.0	4.7
20°-30°	1847.3	7.7
30°-40°	2698.1	11.3
40°-50°	3936.5	16.4
50°-60°	5083.9	21.2
60°-70°	5417.2	22.6
70°-80°	3305.7	13.8
80°-90°	153.4	0.6
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°	23941.0	100.0
0°-180°	23941.0	100.0

Coefficient of Utilization



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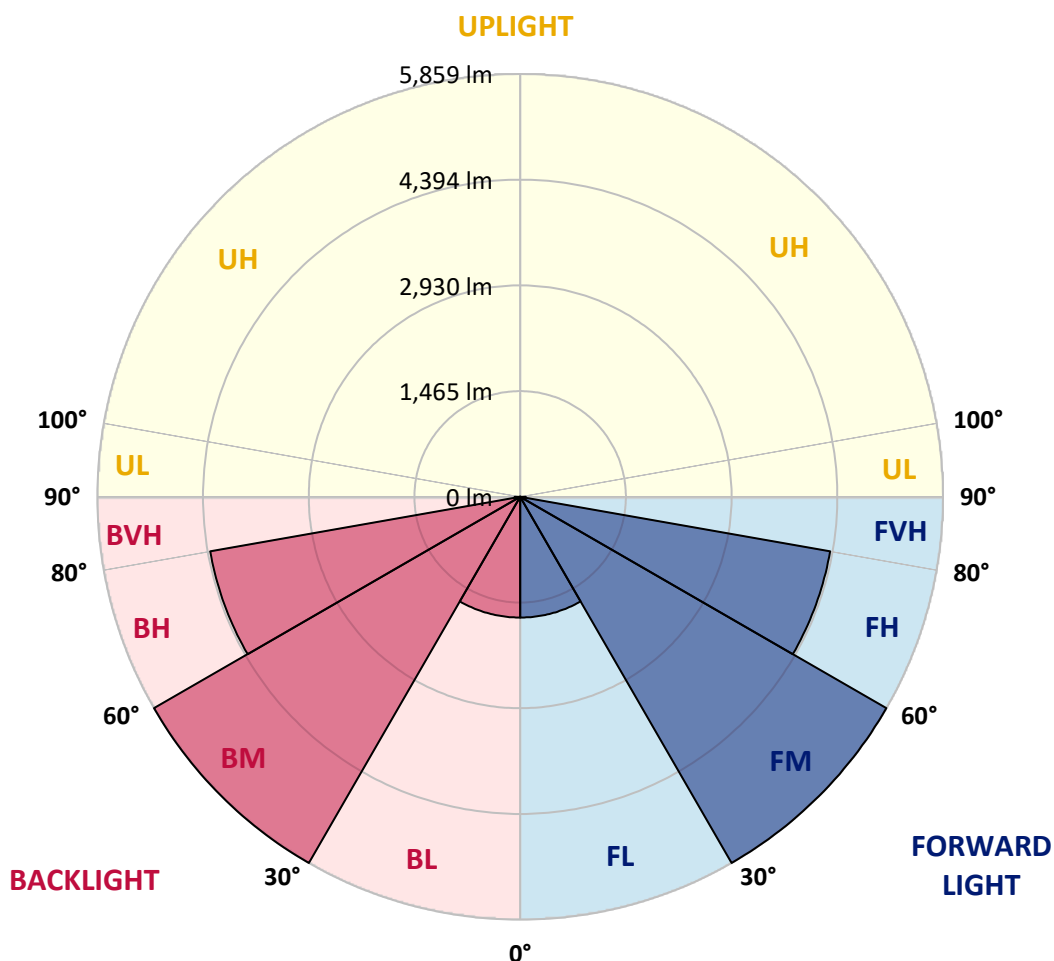
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1673.0	7.0			
FM (30°-60°)	5859.3	24.5			
FH (60°-80°)	4361.4	18.2			G2/5000
FVH (80°-90°)	76.7	0.3			G1/100
BL (0°-30°)	1673.0	7.0	B3/2500		
BM (30°-60°)	5859.3	24.5	B4/8500		
BH (60°-80°)	4361.4	18.2	B4/5000		G4/5000
BVH (80°-90°)	76.7	0.3			G1/100
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°	3943.7	3943.7	3943.7	3943.7	3943.7	3943.7	3943.7	3943.7	3943.7	3943.7	3943.7
2.5°	3974.7	3983.6	3970.3	3954.0	3970.3	3949.6	3921.5	3923.0	3918.6	3923.0	3912.7
5°	3968.8	3968.8	3952.6	3924.5	3960.0	3979.2	3952.6	3942.2	3945.2	3951.1	3942.2
7.5°	3948.1	3937.8	3915.6	3918.6	3943.7	3934.8	3962.9	3974.7	3995.4	3985.1	3967.3
10°	3878.7	3902.3	3878.7	3869.8	3930.4	3923.0	3940.7	3968.8	4004.3	3996.9	4002.8
12.5°	3838.8	3855.0	3843.2	3832.9	3886.1	3942.2	3967.3	4004.3	4047.1	4053.0	4057.5
15°	3790.0	3809.2	3787.1	3795.9	3884.6	3957.0	4017.6	4075.2	4147.6	4156.5	4162.4
17.5°	3707.3	3729.4	3695.5	3751.6	3862.4	3968.8	4076.7	4165.3	4242.2	4271.7	4271.7
20°	3583.2	3599.4	3602.4	3655.6	3801.9	3974.7	4124.0	4246.6	4348.6	4404.7	4421.0
22.5°	3401.4	3422.1	3459.0	3558.0	3750.1	3957.0	4163.9	4335.3	4502.2	4556.9	4579.1
25°	3231.5	3243.3	3309.8	3462.0	3692.5	3955.5	4218.5	4466.8	4666.2	4778.5	4787.4
27.5°	3067.5	3071.9	3172.4	3348.2	3626.0	3968.8	4286.5	4613.1	4914.5	5038.6	5080.0
30°	2905.0	2918.2	3008.4	3233.0	3569.9	3962.9	4345.6	4771.2	5161.2	5374.0	5415.4
32.5°	2761.6	2782.3	2884.3	3101.5	3500.4	3967.3	4435.7	4982.4	5489.3	5845.4	5866.1
35°	2639.0	2655.2	2757.2	2977.4	3429.5	3983.6	4553.9	5255.8	6007.9	6533.9	6635.9
37.5°	2535.6	2548.9	2656.7	2857.7	3346.8	3980.6	4697.3	5579.4	6653.6	7516.5	7710.1
40°	2469.1	2483.8	2556.2	2754.2	3244.8	3960.0	4840.6	5985.7	7371.7	8669.0	8886.3
42.5°	2404.0	2421.8	2473.5	2658.2	3125.1	3905.3	4983.9	6364.0	8135.6	9758.0	9972.3
45°	2342.0	2347.9	2414.4	2568.1	2992.1	3829.9	5124.3	6702.4	8904.0	10836.7	11043.5
47.5°	2288.8	2288.8	2339.0	2486.8	2872.4	3716.2	5179.0	7039.3	9625.1	11893.2	12020.2
50°	2256.3	2240.0	2271.1	2387.8	2739.5	3530.0	5146.5	7303.7	10468.8	12906.8	13095.9
52.5°	2176.5	2170.6	2194.2	2305.0	2630.1	3348.2	4998.7	7435.3	11376.0	13780.0	14162.7
55°	2093.8	2092.3	2114.4	2206.0	2504.5	3128.1	4654.4	7473.7	12230.0	14744.9	15006.4
57.5°	2011.0	1999.2	2024.3	2115.9	2370.1	2938.9	4277.6	7293.4	13063.4	15678.8	15896.0
60°	1941.6	1932.7	1947.5	2015.4	2232.6	2701.0	3828.4	7039.3	13803.7	16427.9	16679.1
62.5°	1842.6	1844.0	1852.9	1900.2	2084.9	2476.4	3382.2	6590.1	14258.8	16990.9	17230.2
65°	1724.4	1719.9	1739.1	1761.3	1898.7	2231.2	2930.1	5939.9	14362.2	17262.7	17417.9
67.5°	1597.3	1591.4	1601.7	1592.8	1708.1	1977.0	2510.4	5371.1	13855.4	17160.8	17422.3
70°	1440.7	1440.7	1434.7	1403.7	1486.5	1668.2	2135.1	4880.5	12476.8	16835.7	17119.4
72.5°	1177.6	1180.6	1204.2	1182.1	1230.8	1349.0	1795.3	4320.5	10245.6	15810.3	16253.5
75°	724.0	724.0	743.2	823.0	960.4	1025.5	1454.0	3624.5	8304.1	13521.5	14542.5
77.5°	372.4	375.3	385.7	412.2	437.4	503.9	817.1	2433.6	5267.6	7990.8	8448.9
80°	106.4	110.8	248.2	279.3	295.5	307.3	373.8	826.0	1346.1	1306.2	1233.8
82.5°	70.9	73.9	144.8	169.9	155.1	127.1	155.1	242.3	202.4	254.1	276.3
85°	36.9	39.9	60.6	66.5	66.5	76.8	70.9	72.4	81.3	155.1	172.9
87.5°	17.7	19.2	25.1	31.0	32.5	36.9	35.5	36.9	41.4	63.5	69.4
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)