

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: P509227

Luminaire Tested: **VERD-CA2-130-750-U-T1**

Issue Date: 3/4/2021

Test Information

Test Method: LM-79-08
Report Number: P509227
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2102-139-1)
Test Lab: INNOVATION CENTER
Issue Date: 3/4/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: VERD-CA2-130-750-U-T1
Description: VERDEON ROADWAY AND AREA LUMINAIRE
(2) 70 CRI, 5000K, 1180mA LEDS AND TYPE I OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 19776 lumens
Efficiency: N/A
Efficacy: 150.0 lumens/watt
Luminous Opening: Rectangular (W 0.79' x L: 1.25' x H: 0')
IES Classification: Type I - Short
BUG Rating: B4 - U0 - G4

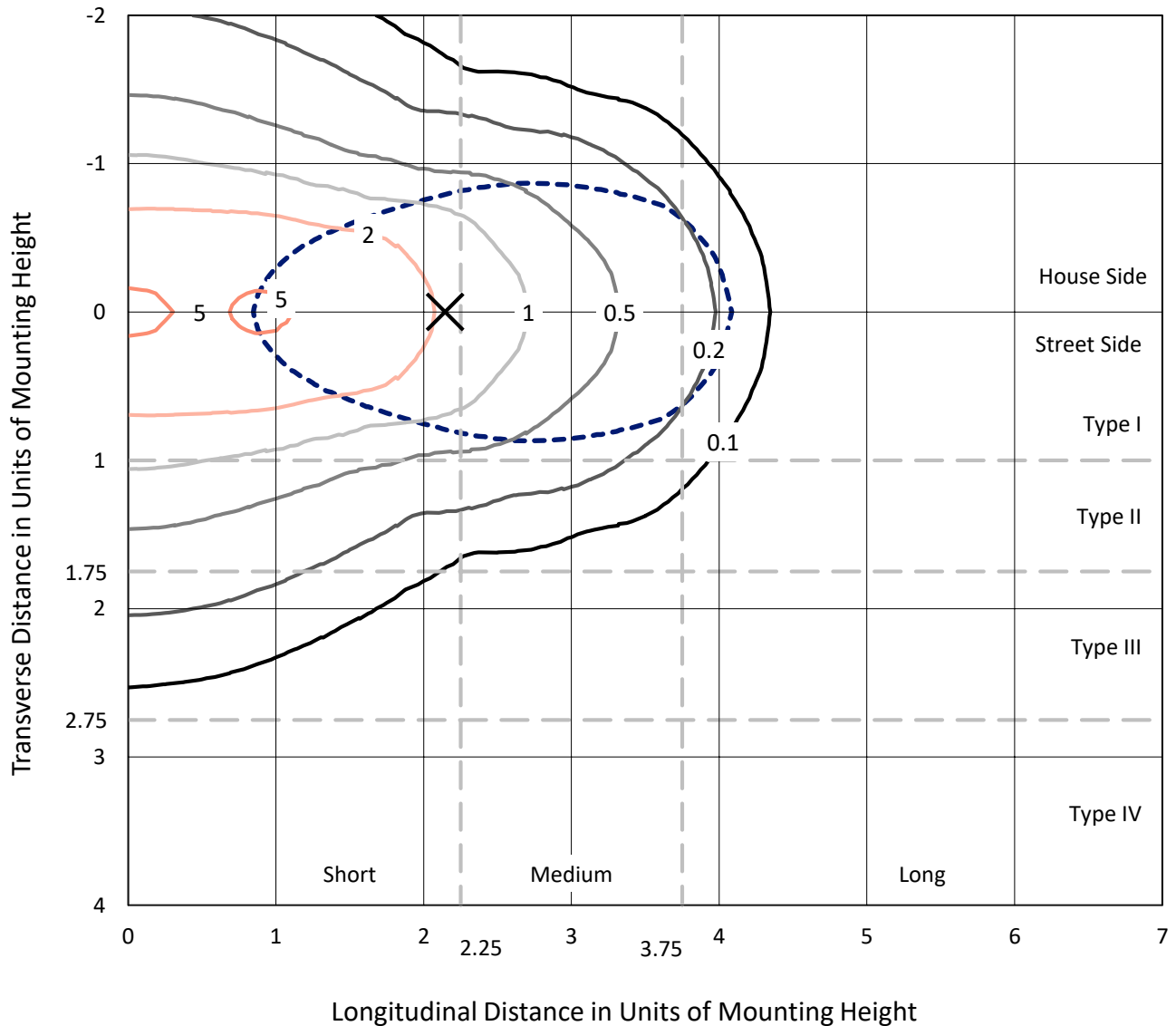
Input Watts (W): 131.8
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

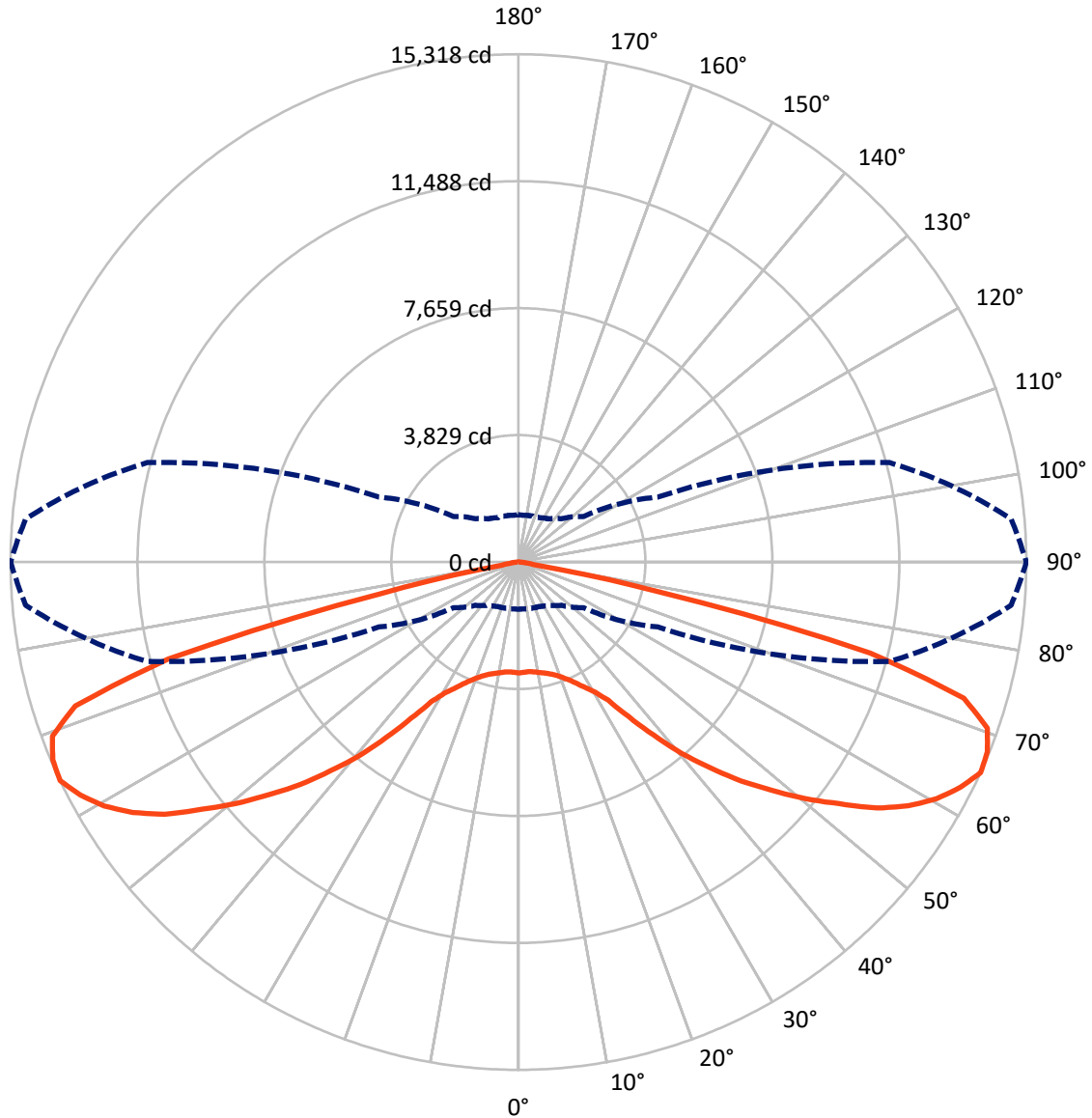
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5.5 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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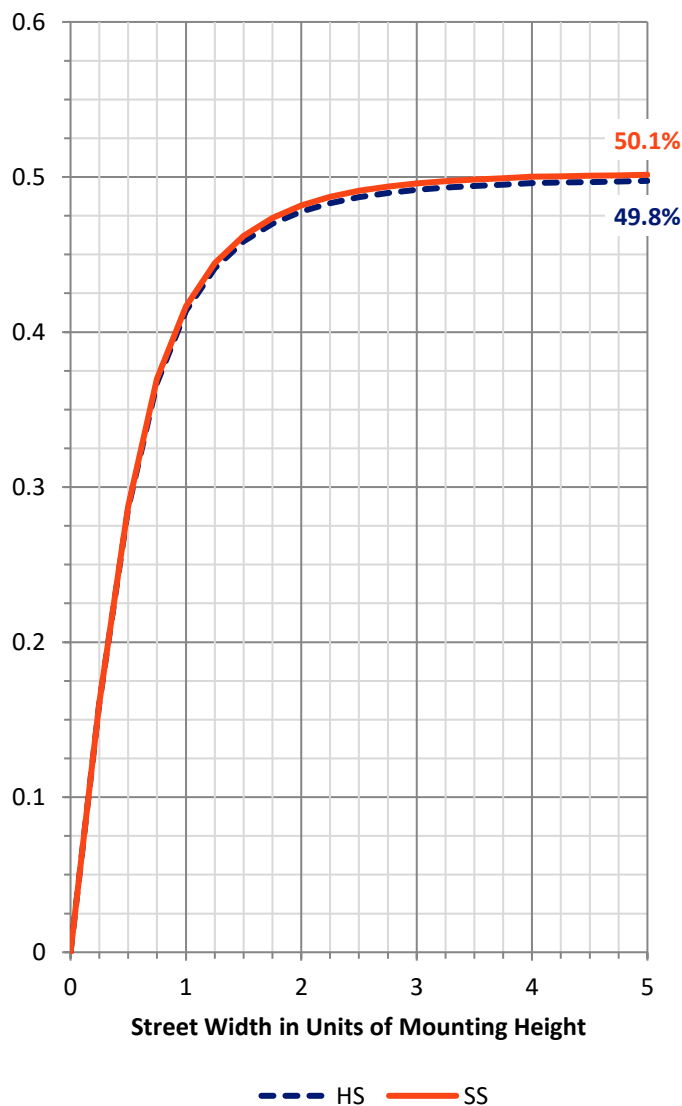
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	9888.0	0.0	9888.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	9888.0	0.0	9888.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	19776.0	0.0	19776.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	317.4	1.6
10°-20°	945.3	4.8
20°-30°	1561.1	7.9
30°-40°	2304.1	11.7
40°-50°	3352.5	17.0
50°-60°	4291.5	21.7
60°-70°	4487.7	22.7
70°-80°	2421.1	12.2
80°-90°	95.3	0.5
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°	19776.0	100.0
0°-180°	19776.0	100.0

Coefficient of Utilization



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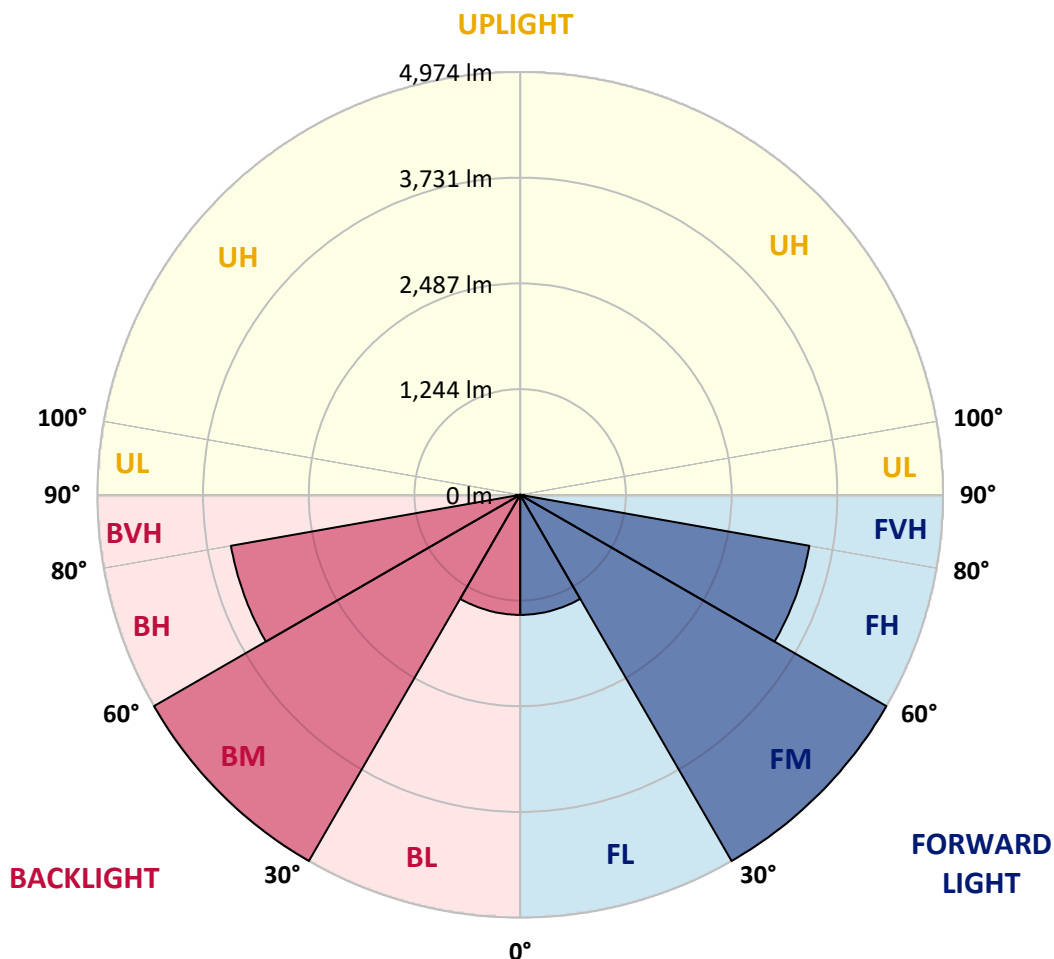
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1411.9	7.1			
FM	(30°-60°)	4974.1	25.2			
FH	(60°-80°)	3454.4	17.5			G2/5000
FVH	(80°-90°)	47.7	0.2			G1/100
BL	(0°-30°)	1411.9	7.1	B3/2500		
BM	(30°-60°)	4974.1	25.2	B3/5000		
BH	(60°-80°)	3454.4	17.5	B4/5000		G4/5000
BVH	(80°-90°)	47.7	0.2			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°	3346.0	3346.0	3346.0	3346.0	3346.0	3346.0	3346.0	3346.0	3346.0	3346.0	3346.0
2.5°	3327.8	3339.9	3346.0	3344.0	3331.9	3331.9	3331.9	3331.9	3327.8	3325.8	3327.8
5°	3303.7	3313.7	3325.8	3319.8	3313.7	3319.8	3319.8	3319.8	3321.8	3321.8	3321.8
7.5°	3283.5	3297.6	3303.7	3311.7	3297.6	3313.7	3337.9	3341.9	3344.0	3344.0	3344.0
10°	3265.4	3277.5	3293.6	3291.6	3297.6	3321.8	3348.0	3378.2	3380.2	3386.3	3386.3
12.5°	3221.1	3237.2	3255.3	3267.4	3275.5	3331.9	3358.1	3396.3	3426.6	3430.6	3432.6
15°	3166.7	3176.8	3196.9	3225.1	3267.4	3327.8	3386.3	3434.6	3483.0	3495.0	3495.0
17.5°	3084.1	3096.2	3124.4	3164.7	3241.2	3339.9	3432.6	3497.1	3557.5	3575.6	3579.6
20°	2971.3	2993.4	3031.7	3102.2	3205.0	3348.0	3483.0	3579.6	3658.2	3698.5	3700.5
22.5°	2836.3	2852.4	2920.9	3021.7	3166.7	3348.0	3535.3	3676.3	3785.1	3847.6	3853.6
25°	2689.3	2703.4	2792.0	2933.0	3118.3	3350.0	3587.7	3783.1	3952.3	4034.9	4043.0
27.5°	2556.3	2570.4	2671.1	2842.4	3076.0	3356.0	3644.1	3914.0	4149.7	4260.5	4282.7
30°	2433.4	2439.5	2554.3	2743.7	3029.7	3360.1	3712.6	4057.1	4357.2	4536.5	4548.6
32.5°	2318.6	2334.7	2441.5	2645.0	2975.3	3366.1	3803.3	4260.5	4689.6	4959.5	4969.6
35°	2215.9	2230.0	2336.7	2544.2	2902.8	3382.2	3902.0	4520.4	5171.1	5642.4	5721.0
37.5°	2133.3	2147.4	2242.1	2437.5	2828.3	3378.2	4030.9	4836.7	5759.3	6504.6	6623.5
40°	2066.8	2082.9	2159.5	2336.7	2729.6	3348.0	4165.8	5179.1	6399.9	7413.1	7590.4
42.5°	2010.4	2024.5	2091.0	2248.1	2622.8	3299.6	4286.7	5489.3	7018.3	8337.7	8478.8
45°	1945.9	1962.1	2026.5	2173.6	2524.1	3225.1	4367.3	5793.5	7644.8	9216.0	9417.5
47.5°	1903.6	1913.7	1964.1	2101.1	2413.3	3108.3	4381.4	6009.1	8315.6	10144.7	10283.7
50°	1865.4	1863.4	1907.7	2028.5	2310.6	2959.2	4306.9	6176.3	8954.2	11010.9	11218.4
52.5°	1811.0	1813.0	1849.3	1958.0	2209.8	2786.0	4129.6	6218.6	9610.9	11879.1	12104.7
55°	1746.5	1752.6	1786.8	1877.5	2107.1	2614.7	3827.4	6142.0	10317.9	12737.3	13099.9
57.5°	1684.1	1680.0	1714.3	1794.9	1996.3	2441.5	3483.0	5946.6	10996.8	13639.7	13867.4
60°	1611.5	1615.6	1639.7	1706.2	1879.5	2258.2	3098.2	5608.2	11454.1	14336.7	14495.9
62.5°	1529.0	1529.0	1551.1	1601.5	1744.5	2058.8	2729.6	5161.0	11711.9	14699.3	14963.2
65°	1424.2	1418.2	1442.3	1478.6	1587.4	1845.2	2393.1	4635.2	11585.0	14918.9	15317.8
67.5°	1311.4	1299.3	1311.4	1327.5	1408.1	1615.6	2052.7	4159.8	10992.8	14777.9	15257.3
70°	1164.3	1148.2	1154.3	1154.3	1208.7	1347.7	1720.3	3756.9	9641.1	14322.6	15003.5
72.5°	952.8	946.8	956.9	948.8	989.1	1081.8	1426.2	3267.4	7856.3	13230.8	14048.7
75°	580.2	588.2	620.4	676.8	713.1	783.6	1043.5	2584.5	5948.6	9981.5	10958.5
77.5°	241.7	269.9	298.1	308.2	348.5	340.4	471.4	1172.4	2409.3	3974.5	4302.8
80°	80.6	82.6	183.3	203.5	223.6	183.3	179.3	392.8	688.9	582.2	489.5
82.5°	48.3	52.4	100.7	108.8	94.7	98.7	104.8	133.0	128.9	209.5	237.7
85°	24.2	26.2	44.3	50.4	50.4	60.4	60.4	64.5	72.5	126.9	137.0
87.5°	6.0	6.0	12.1	18.1	20.1	24.2	24.2	28.2	32.2	46.3	54.4
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)