

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: P509219

Luminaire Tested: **VERD-CA2-130-740-U-T1**

Issue Date: 3/4/2021

Test Information

Test Method: LM-79-08
Report Number: P509219
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-CA2-130-740-U-T1
Description: VERDEON ROADWAY AND AREA LUMINAIRE
(2) 70 CRI, 4000K, 1180mA LEDS AND TYPE I OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 19420 lumens
Efficiency: N/A
Efficacy: 147.3 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

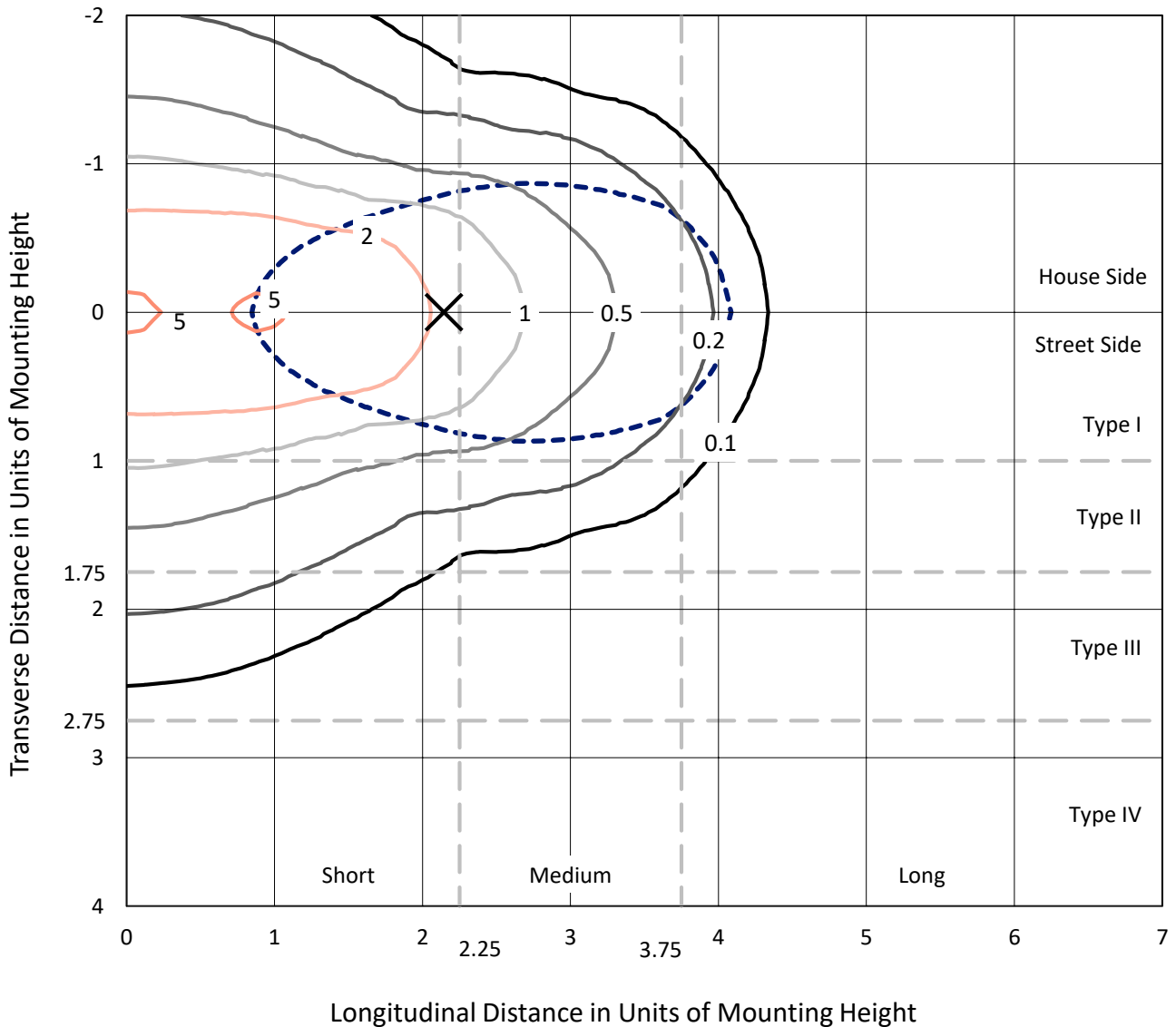


REPORT NUMBER: P509219

CATALOG NUMBER: VERD-CA2-130-740-U-T1

Iso-Footcandle Lines of Horizontal Illumination

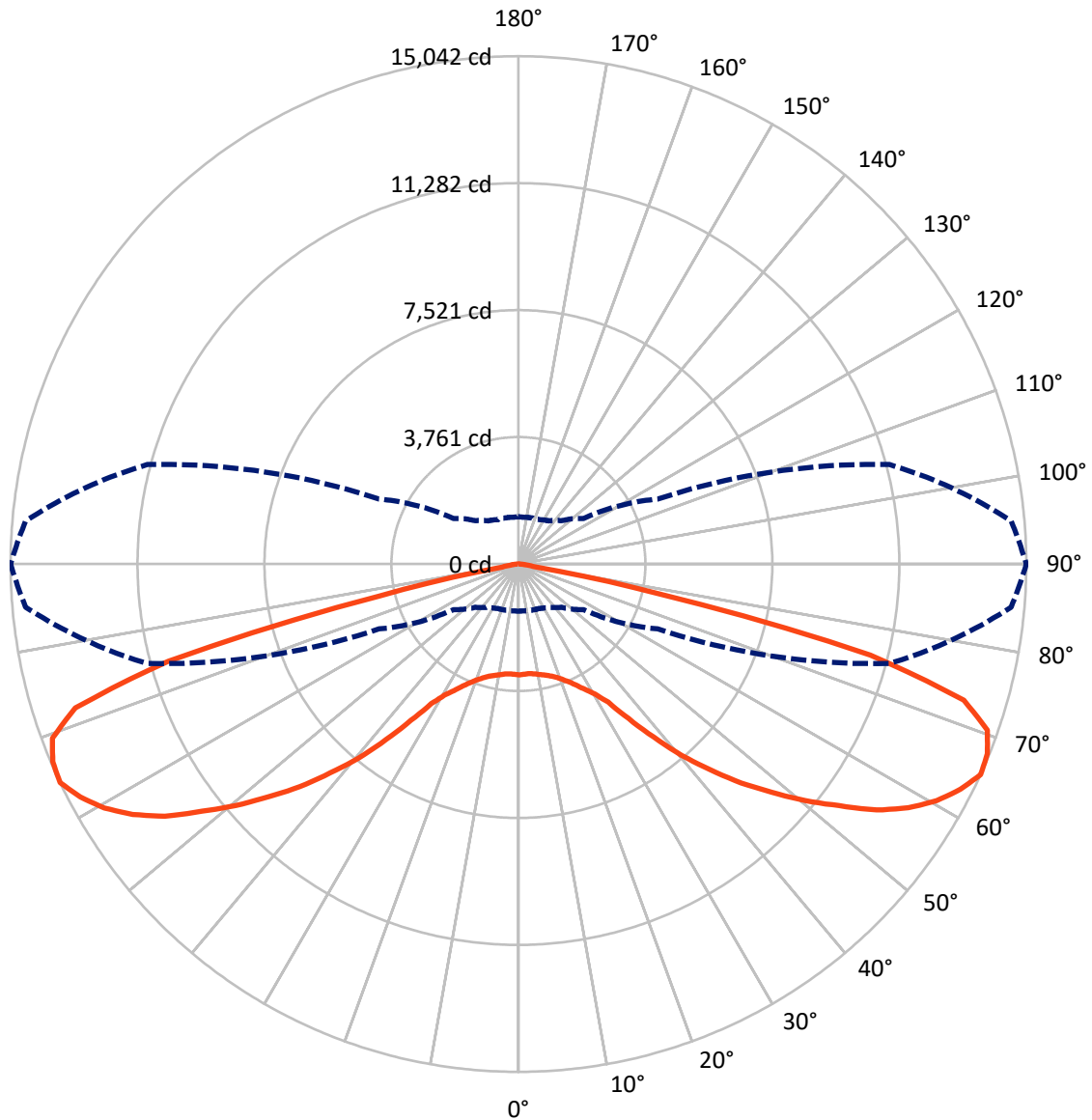
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5.4 fc
 Type I - Short - N/A

REPORT NUMBER: P509219
CATALOG NUMBER: VERD-CA2-130-740-U-T1

Luminous Intensity Polar Plot



— Vertical Plane Through 90-Deg Lateral - - - Horizontal Cone Through 65-Deg Vertical

REPORT NUMBER: P509219

CATALOG NUMBER: VERD-CA2-130-740-U-T1

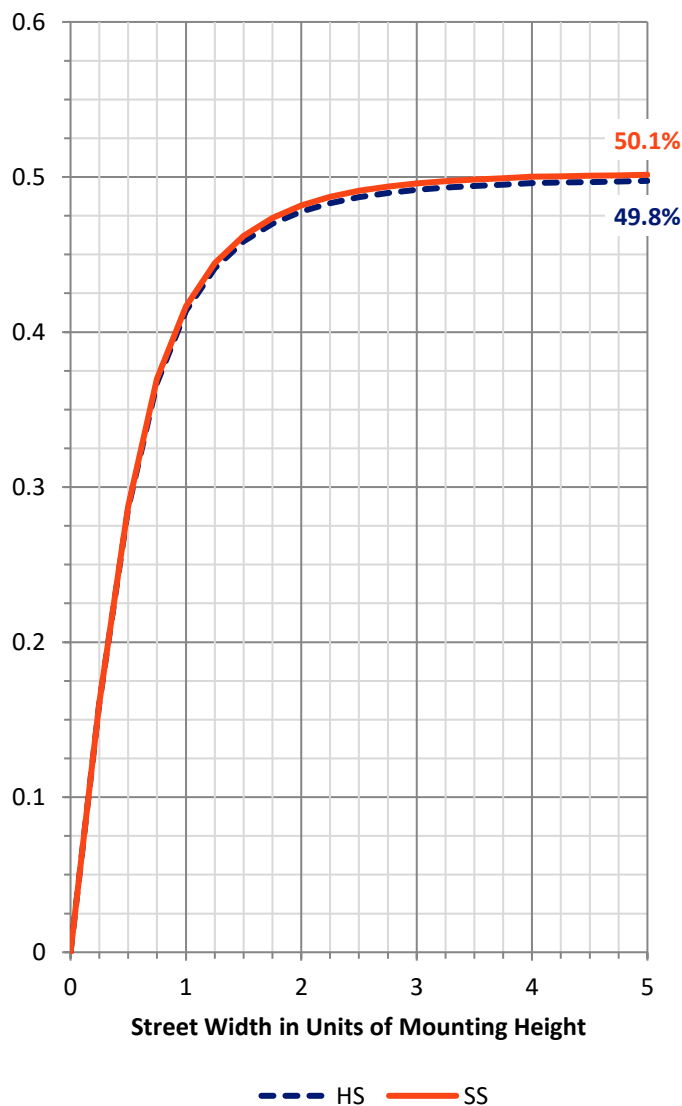
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	9710.0	0.0	9710.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	9710.0	0.0	9710.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	19420.0	0.0	19420.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	311.7	1.6
10°-20°	928.3	4.8
20°-30°	1533.0	7.9
30°-40°	2262.6	11.7
40°-50°	3292.1	17.0
50°-60°	4214.2	21.7
60°-70°	4406.9	22.7
70°-80°	2377.5	12.2
80°-90°	93.6	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°	19420.0	100.0
0°-180°	19420.0	100.0

Coefficient of Utilization



REPORT NUMBER: P509219

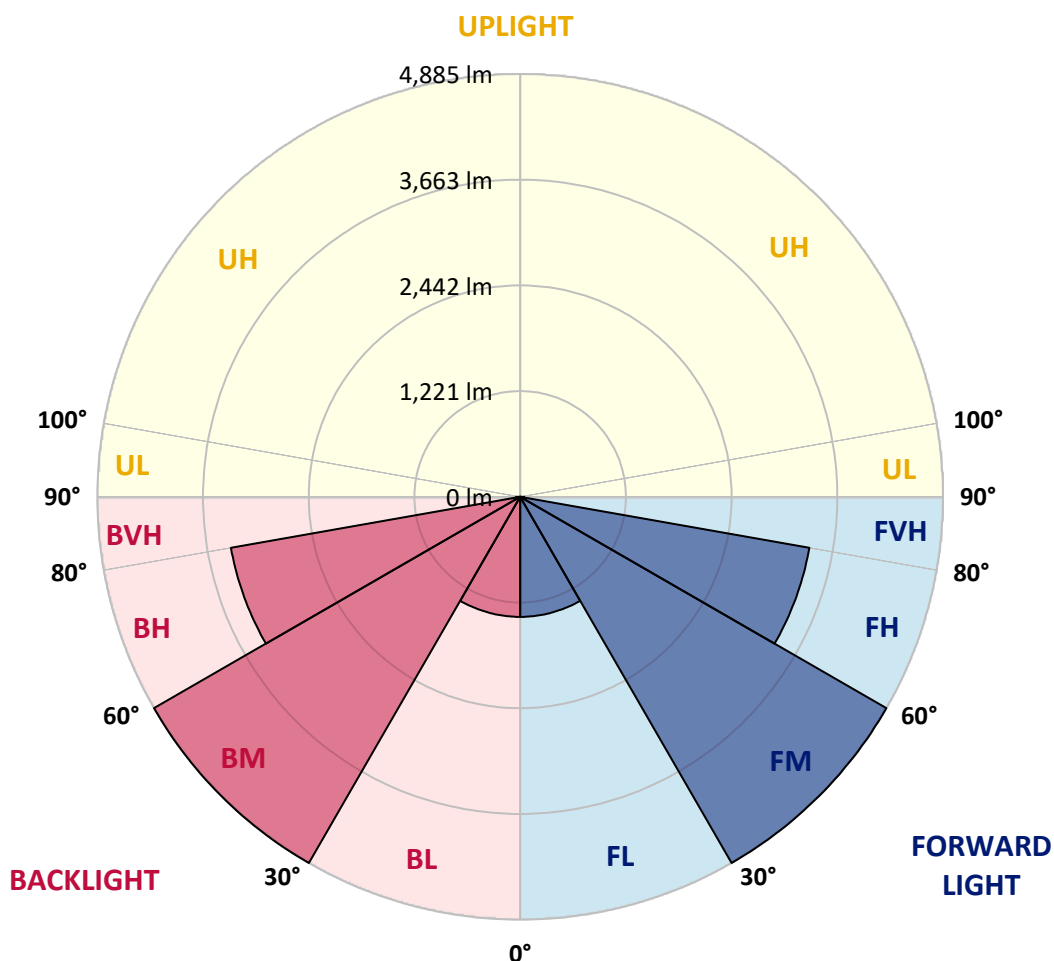
CATALOG NUMBER: VERD-CA2-130-740-U-T1

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1386.5	7.1			
FM	(30°-60°)	4884.5	25.2			
FH	(60°-80°)	3392.2	17.5			G2/5000
FVH	(80°-90°)	46.8	0.2			G1/100
BL	(0°-30°)	1386.5	7.1	B3/2500		
BM	(30°-60°)	4884.5	25.2	B3/5000		
BH	(60°-80°)	3392.2	17.5	B4/5000		G4/5000
BVH	(80°-90°)	46.8	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°	3285.7	3285.7	3285.7	3285.7	3285.7	3285.7	3285.7	3285.7	3285.7	3285.7	3285.7
2.5°	3267.9	3279.8	3285.7	3283.8	3271.9	3271.9	3271.9	3271.9	3267.9	3266.0	3267.9
5°	3244.2	3254.1	3266.0	3260.0	3254.1	3260.0	3260.0	3260.0	3262.0	3262.0	3262.0
7.5°	3224.4	3238.3	3244.2	3252.1	3238.3	3254.1	3277.8	3281.8	3283.8	3283.8	3283.8
10°	3206.6	3218.5	3234.3	3232.3	3238.3	3262.0	3287.7	3317.4	3319.4	3325.3	3325.3
12.5°	3163.1	3178.9	3196.7	3208.6	3216.5	3271.9	3297.6	3335.2	3364.9	3368.8	3370.8
15°	3109.7	3119.6	3139.4	3167.1	3208.6	3267.9	3325.3	3372.8	3420.3	3432.1	3432.1
17.5°	3028.6	3040.4	3068.1	3107.7	3182.9	3279.8	3370.8	3434.1	3493.5	3511.3	3515.2
20°	2917.8	2939.6	2977.1	3046.4	3147.3	3287.7	3420.3	3515.2	3592.4	3631.9	3633.9
22.5°	2785.3	2801.1	2868.3	2967.3	3109.7	3287.7	3471.7	3610.2	3717.0	3778.3	3784.2
25°	2640.9	2654.7	2741.7	2880.2	3062.2	3289.7	3523.1	3715.0	3881.2	3962.3	3970.2
27.5°	2510.3	2524.1	2623.1	2791.2	3020.7	3295.6	3578.5	3843.6	4075.0	4183.8	4205.6
30°	2389.6	2395.6	2508.3	2694.3	2975.2	3299.6	3645.8	3984.0	4278.8	4454.8	4466.7
32.5°	2276.9	2292.7	2397.5	2597.3	2921.8	3305.5	3734.8	4183.8	4605.2	4870.3	4880.1
35°	2176.0	2189.8	2294.7	2498.4	2850.5	3321.3	3831.7	4439.0	5078.0	5540.9	5618.0
37.5°	2094.9	2108.7	2201.7	2393.6	2777.4	3317.4	3958.3	4749.6	5655.6	6387.5	6504.2
40°	2029.6	2045.4	2120.6	2294.7	2680.4	3287.7	4090.9	5085.9	6284.6	7279.7	7453.7
42.5°	1974.2	1988.1	2053.3	2207.6	2575.6	3240.2	4209.5	5390.5	6891.9	8187.7	8326.1
45°	1910.9	1926.7	1990.0	2134.4	2478.6	3167.1	4288.7	5689.2	7507.2	9050.1	9247.9
47.5°	1869.4	1879.3	1928.7	2063.2	2369.8	3052.3	4302.5	5900.9	8165.9	9962.1	10098.6
50°	1831.8	1829.8	1873.3	1992.0	2269.0	2905.9	4229.3	6065.1	8793.0	10812.7	11016.4
52.5°	1778.4	1780.4	1816.0	1922.8	2170.1	2735.8	4055.3	6106.6	9437.9	11665.3	11886.8
55°	1715.1	1721.0	1754.6	1843.7	2069.2	2567.7	3758.5	6031.4	10132.2	12508.0	12864.0
57.5°	1653.8	1649.8	1683.4	1762.6	1960.4	2397.5	3420.3	5839.6	10798.8	13394.2	13617.7
60°	1582.5	1586.5	1610.2	1675.5	1845.6	2217.5	3042.4	5507.2	11247.9	14078.6	14234.9
62.5°	1501.4	1501.4	1523.2	1572.6	1713.1	2021.7	2680.4	5068.1	11501.1	14434.7	14693.9
65°	1398.6	1392.6	1416.4	1452.0	1558.8	1812.0	2350.1	4551.8	11376.5	14650.3	15042.0
67.5°	1287.8	1275.9	1287.8	1303.6	1382.7	1586.5	2015.8	4084.9	10794.9	14511.9	14982.7
70°	1143.4	1127.6	1133.5	1133.5	1186.9	1323.4	1689.4	3689.3	9467.5	14064.8	14733.4
72.5°	935.7	929.7	939.6	931.7	971.3	1062.3	1400.5	3208.6	7714.9	12992.6	13795.8
75°	569.7	577.6	609.3	664.7	700.3	769.5	1024.7	2538.0	5841.5	9801.8	10761.3
77.5°	237.4	265.1	292.8	302.7	342.2	334.3	462.9	1151.3	2365.9	3902.9	4225.4
80°	79.1	81.1	180.0	199.8	219.6	180.0	176.1	385.7	676.5	571.7	480.7
82.5°	47.5	51.4	98.9	106.8	93.0	96.9	102.9	130.6	126.6	205.7	233.4
85°	23.7	25.7	43.5	49.5	49.5	59.3	59.3	63.3	71.2	124.6	134.5
87.5°	5.9	5.9	11.9	17.8	19.8	23.7	23.7	27.7	31.7	45.5	53.4
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)