

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: P509163

Luminaire Tested: **VERD-CA2-120-730-U-T1**

Issue Date: 3/4/2021

Test Information

Test Method: LM-79-08
Report Number: P509163
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-CA2-120-730-U-T1
Description: VERDEON ROADWAY AND AREA LUMINAIRE
(2) 70 CRI, 3000K, 1120mA LEDS AND TYPE I OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 17921 lumens
Efficiency: N/A
Efficacy: 146.1 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

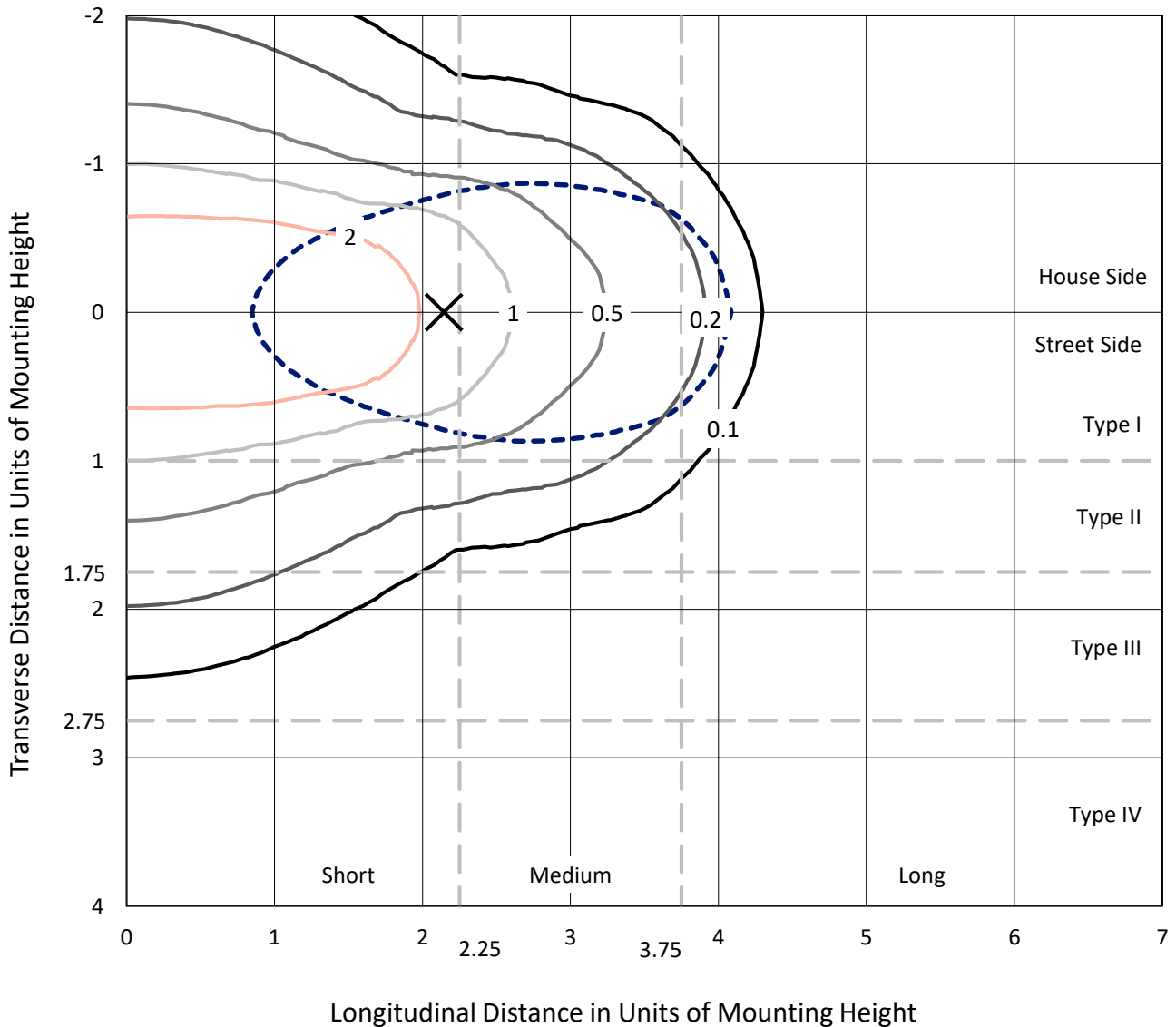
Input Watts (W): 122.7
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P509163
 CATALOG NUMBER: VERD-CA2-120-730-U-T1

Iso-Footcandle Lines of Horizontal Illumination

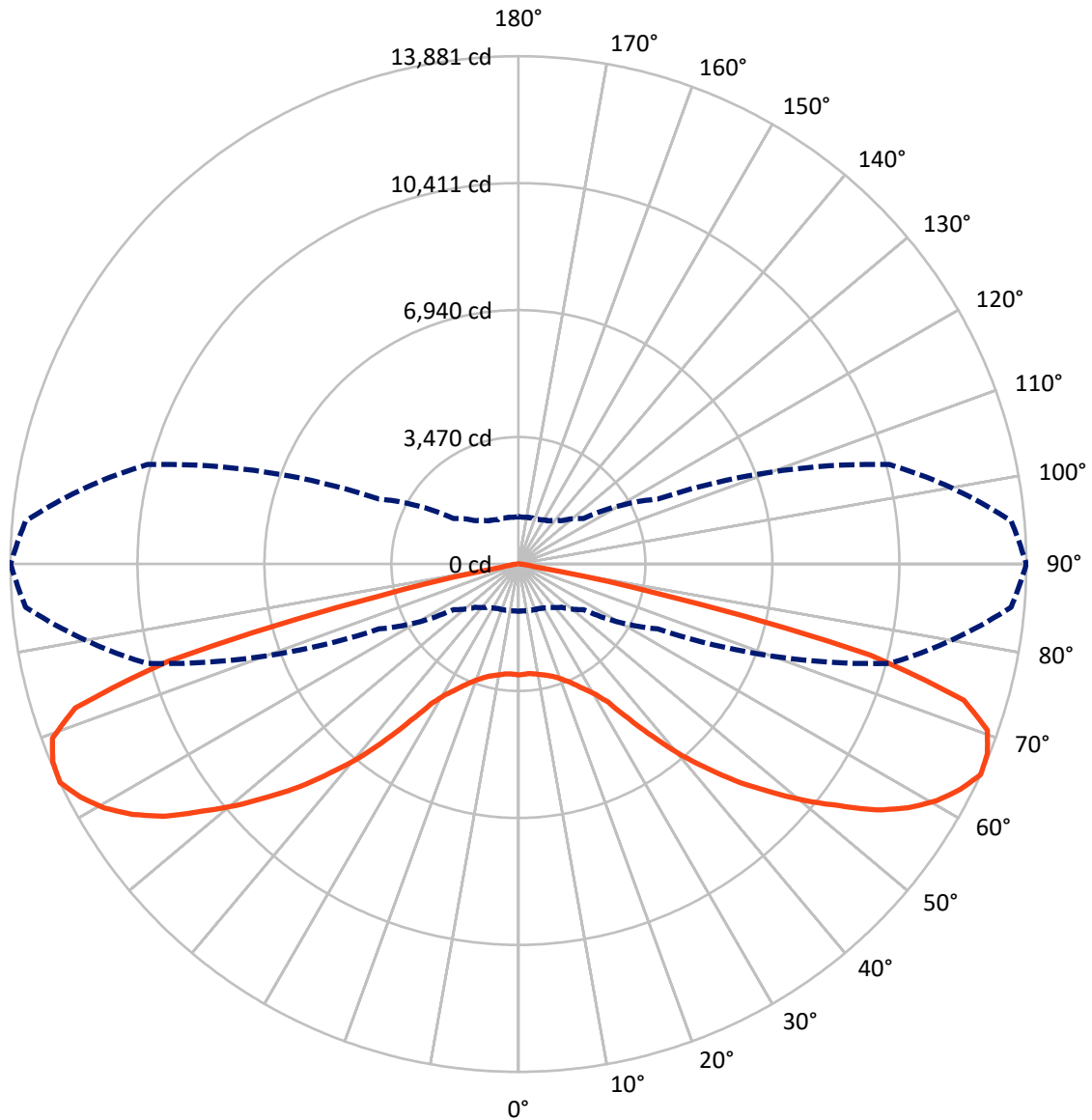
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5 fc
 Type I - Short - N/A

REPORT NUMBER: P509163
CATALOG NUMBER: VERD-CA2-120-730-U-T1

Luminous Intensity Polar Plot



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

REPORT NUMBER: P509163

CATALOG NUMBER: VERD-CA2-120-730-U-T1

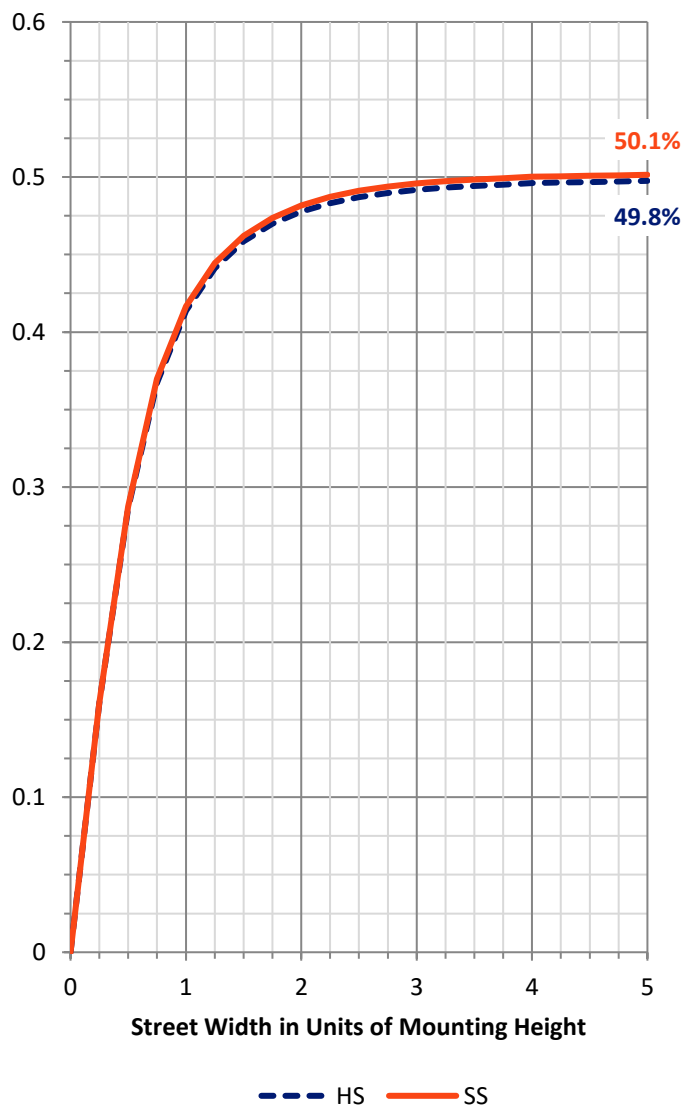
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	8960.5	0.0	8960.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	8960.5	0.0	8960.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	17921.0	0.0	17921.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	287.6	1.6
10°-20°	856.6	4.8
20°-30°	1414.6	7.9
30°-40°	2088.0	11.7
40°-50°	3038.0	17.0
50°-60°	3888.9	21.7
60°-70°	4066.8	22.7
70°-80°	2194.0	12.2
80°-90°	86.4	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°	17921.0	100.0
0°-180°	17921.0	100.0

Coefficient of Utilization



REPORT NUMBER: P509163

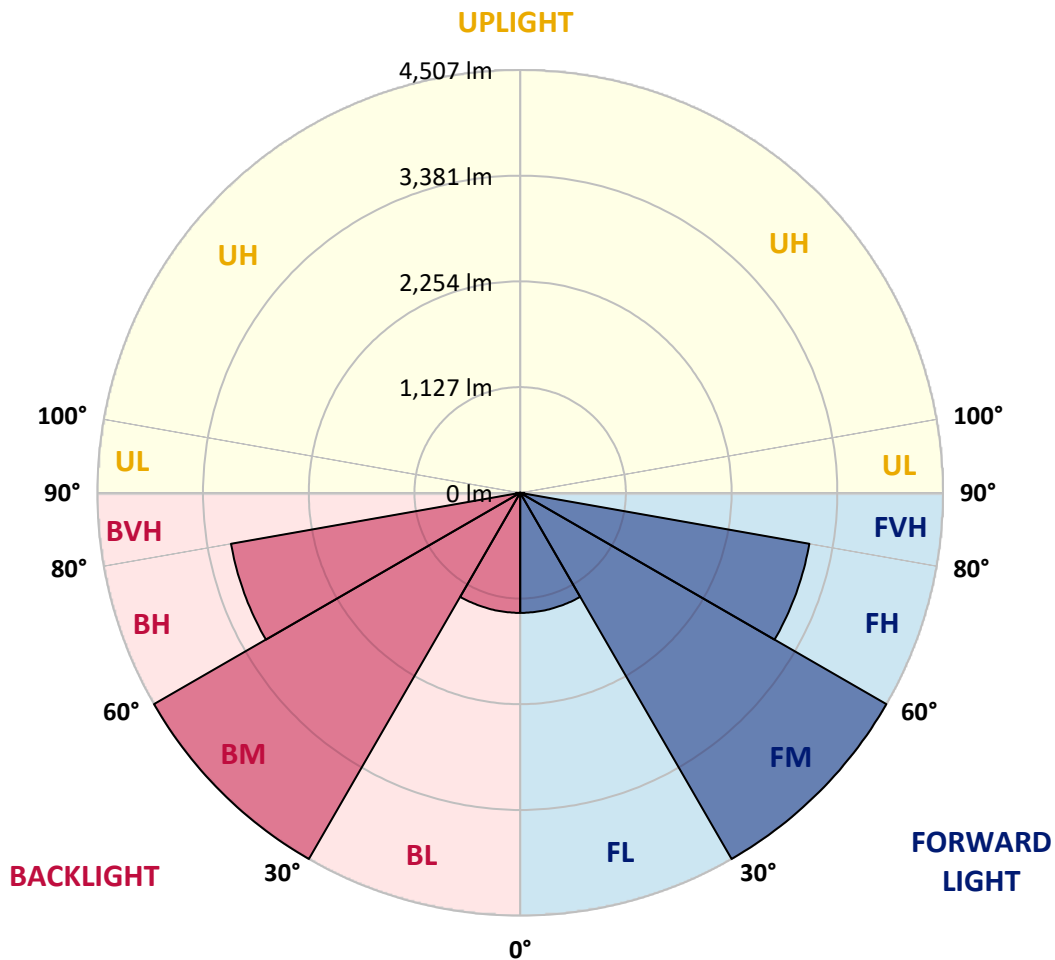
CATALOG NUMBER: VERD-CA2-120-730-U-T1

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1279.4	7.1			
FM	(30°-60°)	4507.5	25.2			
FH	(60°-80°)	3130.4	17.5			G2/5000
FVH	(80°-90°)	43.2	0.2			G1/100
BL	(0°-30°)	1279.4	7.1	B3/2500		
BM	(30°-60°)	4507.5	25.2	B3/5000		
BH	(60°-80°)	3130.4	17.5	B4/5000		G4/5000
BVH	(80°-90°)	43.2	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°	3032.1	3032.1	3032.1	3032.1	3032.1	3032.1	3032.1	3032.1	3032.1	3032.1	3032.1
2.5°	3015.7	3026.6	3032.1	3030.3	3019.3	3019.3	3019.3	3019.3	3015.7	3013.9	3015.7
5°	2993.8	3002.9	3013.9	3008.4	3002.9	3008.4	3008.4	3008.4	3010.2	3010.2	3010.2
7.5°	2975.5	2988.3	2993.8	3001.1	2988.3	3002.9	3024.8	3028.5	3030.3	3030.3	3030.3
10°	2959.1	2970.1	2984.7	2982.8	2988.3	3010.2	3033.9	3061.3	3063.2	3068.6	3068.6
12.5°	2918.9	2933.5	2950.0	2960.9	2968.2	3019.3	3043.1	3077.8	3105.1	3108.8	3110.6
15°	2869.7	2878.8	2897.0	2922.6	2960.9	3015.7	3068.6	3112.4	3156.3	3167.2	3167.2
17.5°	2794.8	2805.8	2831.3	2867.8	2937.2	3026.6	3110.6	3169.0	3223.8	3240.2	3243.9
20°	2692.6	2712.7	2747.3	2811.2	2904.3	3033.9	3156.3	3243.9	3315.1	3351.6	3353.4
22.5°	2570.3	2584.9	2646.9	2738.2	2869.7	3033.9	3203.7	3331.5	3430.1	3486.7	3492.1
25°	2437.0	2449.8	2530.1	2657.9	2825.8	3035.8	3251.2	3428.2	3581.6	3656.4	3663.7
27.5°	2316.5	2329.3	2420.6	2575.8	2787.5	3041.2	3302.3	3546.9	3760.5	3860.9	3881.0
30°	2205.2	2210.7	2314.7	2486.3	2745.5	3044.9	3364.4	3676.5	3948.5	4111.0	4121.9
32.5°	2101.1	2115.7	2212.5	2396.9	2696.2	3050.4	3446.5	3860.9	4249.7	4494.3	4503.5
35°	2008.0	2020.8	2117.6	2305.6	2630.5	3065.0	3536.0	4096.4	4686.0	5113.2	5184.4
37.5°	1933.2	1946.0	2031.8	2208.8	2563.0	3061.3	3652.8	4383.0	5219.0	5894.5	6002.2
40°	1872.9	1887.5	1956.9	2117.6	2473.5	3033.9	3775.1	4693.3	5799.5	6717.8	6878.4
42.5°	1821.8	1834.6	1894.8	2037.2	2376.8	2990.1	3884.6	4974.4	6360.0	7555.7	7683.4
45°	1763.4	1778.0	1836.4	1969.7	2287.3	2922.6	3957.6	5250.1	6927.7	8351.6	8534.1
47.5°	1725.1	1734.2	1779.8	1904.0	2186.9	2816.7	3970.4	5445.4	7535.6	9193.1	9319.1
50°	1690.4	1688.6	1728.7	1838.3	2093.8	2681.6	3902.9	5596.9	8114.3	9978.1	10166.1
52.5°	1641.1	1642.9	1675.8	1774.4	2002.6	2524.6	3742.2	5635.3	8709.4	10764.9	10969.3
55°	1582.7	1588.2	1619.2	1701.3	1909.5	2369.5	3468.4	5565.9	9350.1	11542.5	11871.1
57.5°	1526.1	1522.4	1553.5	1626.5	1809.0	2212.5	3156.3	5388.8	9965.3	12360.3	12566.6
60°	1460.4	1464.0	1485.9	1546.2	1703.2	2046.4	2807.6	5082.1	10379.7	12991.9	13136.1
62.5°	1385.5	1385.5	1405.6	1451.3	1580.9	1865.6	2473.5	4676.9	10613.3	13320.5	13559.7
65°	1290.6	1285.1	1307.0	1339.9	1438.5	1672.1	2168.7	4200.4	10498.3	13519.5	13880.9
67.5°	1188.4	1177.4	1188.4	1203.0	1276.0	1464.0	1860.2	3769.6	9961.6	13391.7	13826.2
70°	1055.1	1040.5	1046.0	1046.0	1095.3	1221.2	1559.0	3404.5	8736.7	12979.2	13596.2
72.5°	863.5	858.0	867.1	859.8	896.3	980.3	1292.4	2960.9	7119.4	11989.7	12730.9
75°	525.7	533.0	562.2	613.4	646.2	710.1	945.6	2342.1	5390.6	9045.2	9930.6
77.5°	219.1	244.6	270.2	279.3	315.8	308.5	427.2	1062.4	2183.3	3601.7	3899.2
80°	73.0	74.8	166.1	184.4	202.6	166.1	162.5	356.0	624.3	527.6	443.6
82.5°	43.8	47.5	91.3	98.6	85.8	89.4	94.9	120.5	116.8	189.8	215.4
85°	21.9	23.7	40.2	45.6	45.6	54.8	54.8	58.4	65.7	115.0	124.1
87.5°	5.5	5.5	11.0	16.4	18.3	21.9	21.9	25.6	29.2	42.0	49.3
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)