

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: P509067

Luminaire Tested: **VERD-CA2-100-730-U-T1**

Issue Date: 3/4/2021

Test Information

Test Method: LM-79-08
Report Number: P509067
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-CA2-100-730-U-T1
Description: VERDEON ROADWAY AND AREA LUMINAIRE
(2) 70 CRI, 3000K, 1370mA LEDS AND TYPE I OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 14570 lumens
Efficiency: N/A
Efficacy: 140.9 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

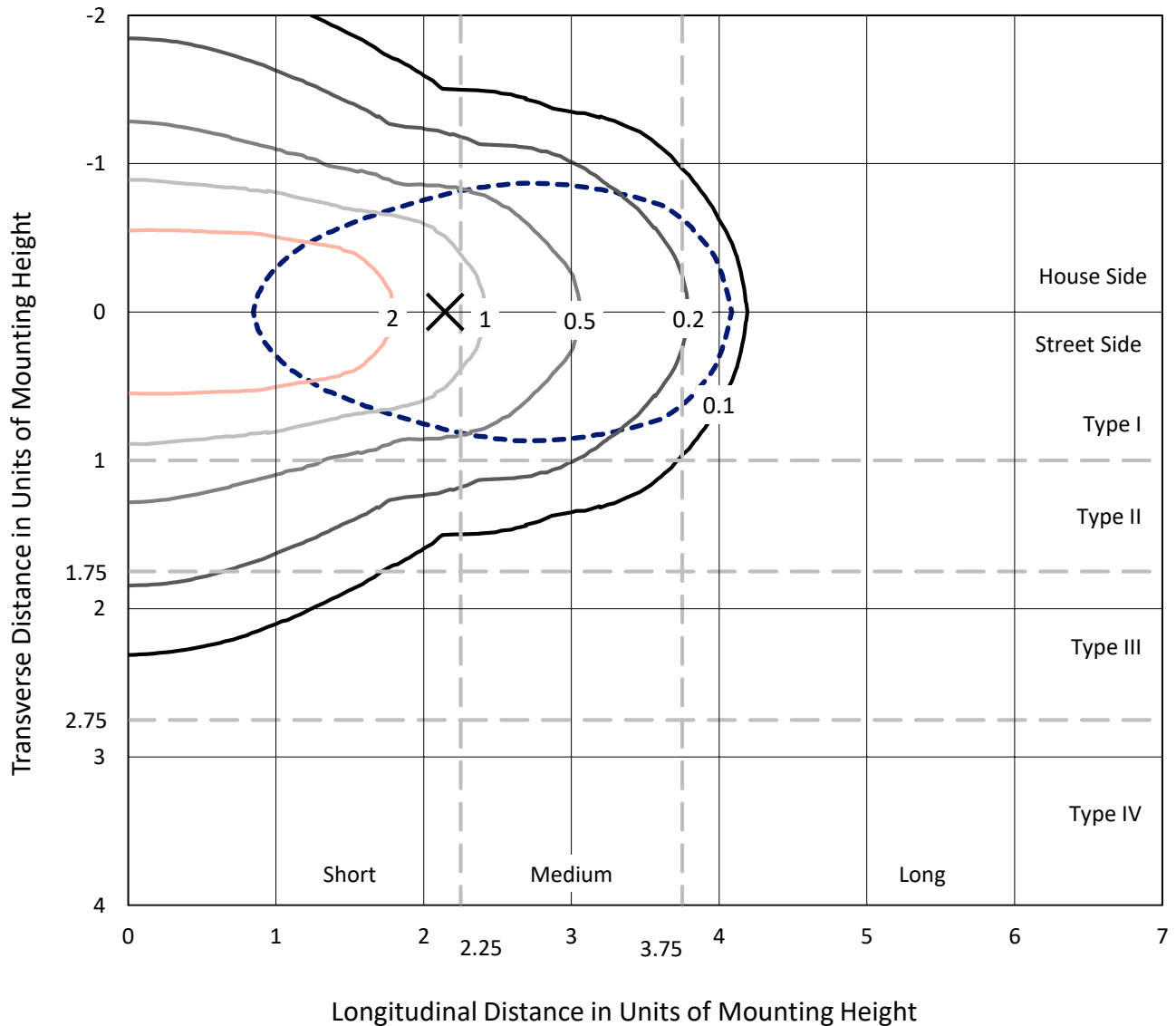
Input Watts (W): 103.4
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

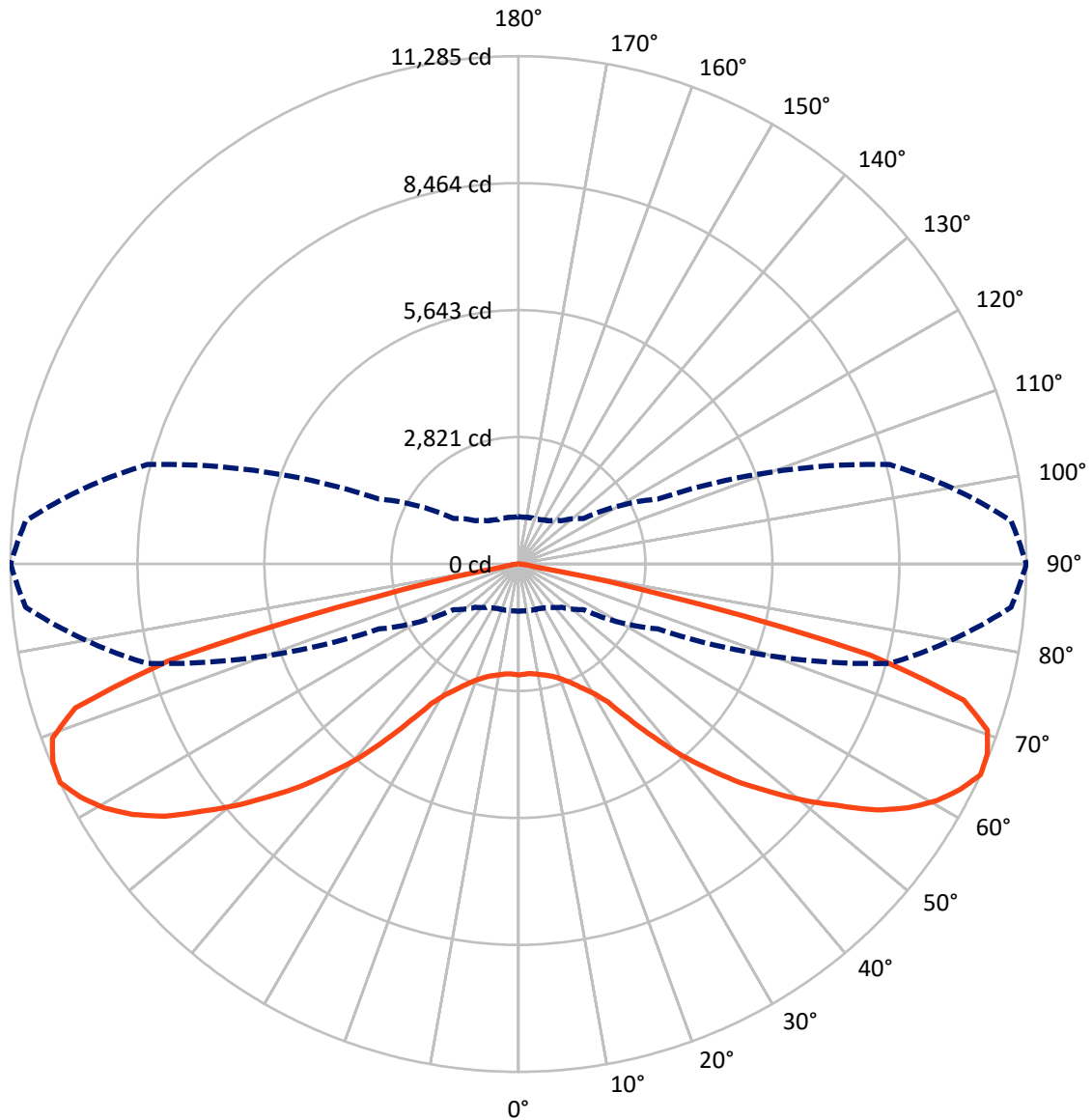
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4 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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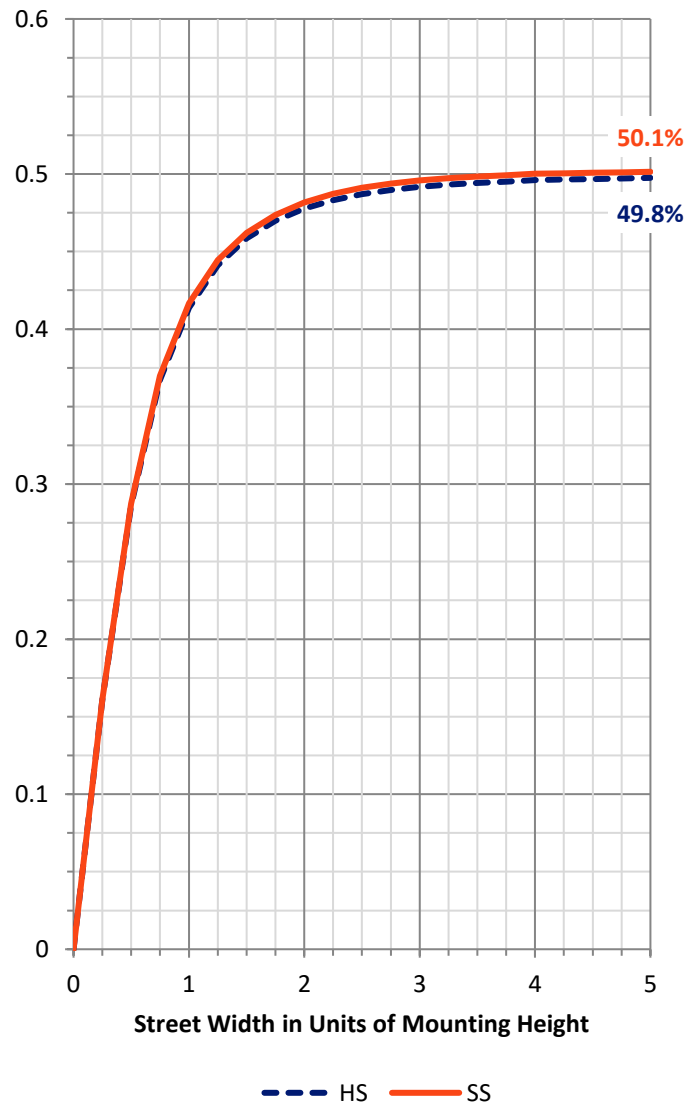
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	7285.0	0.0	7285.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	7285.0	0.0	7285.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	14570.0	0.0	14570.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	233.8	1.6
10°-20°	696.4	4.8
20°-30°	1150.1	7.9
30°-40°	1697.6	11.7
40°-50°	2470.0	17.0
50°-60°	3161.7	21.7
60°-70°	3306.3	22.7
70°-80°	1783.8	12.2
80°-90°	70.2	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°	14570.0	100.0
0°-180°	14570.0	100.0



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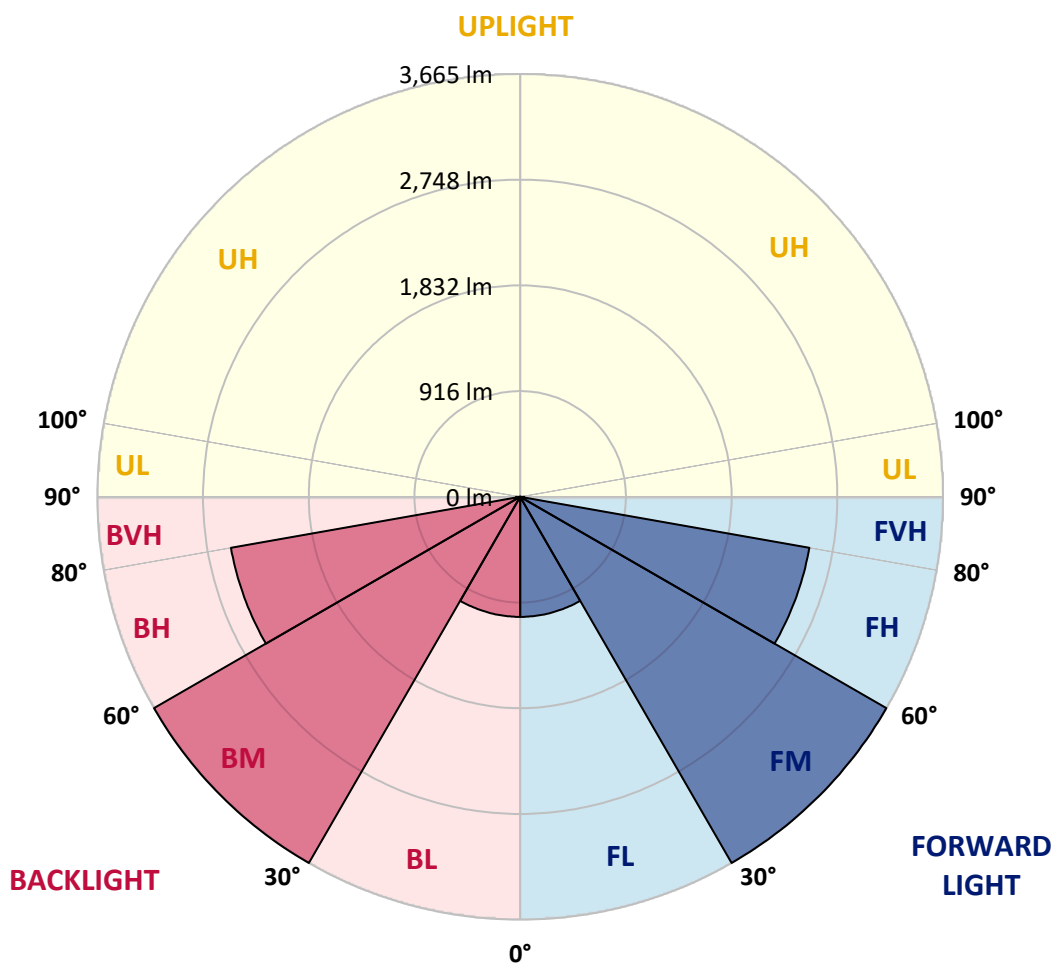
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1040.2	7.1			
FM	(30°-60°)	3664.6	25.2			
FH	(60°-80°)	2545.1	17.5			G2/5000
FVH	(80°-90°)	35.1	0.2			G1/100
BL	(0°-30°)	1040.2	7.1	B3/2500		
BM	(30°-60°)	3664.6	25.2	B3/5000		
BH	(60°-80°)	2545.1	17.5	B4/5000		G4/5000
BVH	(80°-90°)	35.1	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°	2465.2	2465.2	2465.2	2465.2	2465.2	2465.2	2465.2	2465.2	2465.2	2465.2	2465.2
2.5°	2451.8	2460.7	2465.2	2463.7	2454.8	2454.8	2454.8	2454.8	2451.8	2450.3	2451.8
5°	2434.0	2441.4	2450.3	2445.9	2441.4	2445.9	2445.9	2445.9	2447.3	2447.3	2447.3
7.5°	2419.1	2429.5	2434.0	2439.9	2429.5	2441.4	2459.2	2462.2	2463.7	2463.7	2463.7
10°	2405.8	2414.7	2426.6	2425.1	2429.5	2447.3	2466.6	2488.9	2490.4	2494.8	2494.8
12.5°	2373.1	2385.0	2398.4	2407.3	2413.2	2454.8	2474.1	2502.3	2524.5	2527.5	2529.0
15°	2333.1	2340.5	2355.3	2376.1	2407.3	2451.8	2494.8	2530.5	2566.1	2575.0	2575.0
17.5°	2272.2	2281.1	2301.9	2331.6	2388.0	2460.7	2529.0	2576.5	2621.0	2634.3	2637.3
20°	2189.1	2205.4	2233.6	2285.6	2361.3	2466.6	2566.1	2637.3	2695.2	2724.9	2726.4
22.5°	2089.7	2101.5	2152.0	2226.2	2333.1	2466.6	2604.7	2708.6	2788.7	2834.7	2839.2
25°	1981.3	1991.7	2057.0	2160.9	2297.4	2468.1	2643.2	2787.2	2911.9	2972.7	2978.7
27.5°	1883.4	1893.8	1968.0	2094.1	2266.3	2472.6	2684.8	2883.7	3057.3	3139.0	3155.3
30°	1792.8	1797.3	1881.9	2021.4	2232.1	2475.5	2735.3	2989.1	3210.2	3342.3	3351.2
32.5°	1708.2	1720.1	1798.8	1948.7	2192.1	2480.0	2802.1	3139.0	3455.1	3653.9	3661.4
35°	1632.6	1642.9	1721.6	1874.5	2138.6	2491.9	2874.8	3330.4	3809.8	4157.1	4215.0
37.5°	1571.7	1582.1	1651.8	1795.8	2083.7	2488.9	2969.8	3563.4	4243.1	4792.3	4879.8
40°	1522.7	1534.6	1591.0	1721.6	2011.0	2466.6	3069.2	3815.7	4715.1	5461.6	5592.2
42.5°	1481.2	1491.6	1540.5	1656.3	1932.3	2431.0	3158.2	4044.3	5170.7	6142.8	6246.7
45°	1433.7	1445.6	1493.0	1601.4	1859.6	2376.1	3217.6	4268.4	5632.3	6789.9	6938.3
47.5°	1402.5	1409.9	1447.0	1548.0	1778.0	2290.0	3228.0	4427.2	6126.5	7474.1	7576.5
50°	1374.3	1372.8	1405.5	1494.5	1702.3	2180.2	3173.1	4550.4	6597.0	8112.3	8265.2
52.5°	1334.2	1335.7	1362.4	1442.6	1628.1	2052.6	3042.5	4581.5	7080.8	8752.0	8918.2
55°	1286.7	1291.2	1316.4	1383.2	1552.4	1926.4	2819.9	4525.1	7601.8	9384.2	9651.3
57.5°	1240.7	1237.8	1263.0	1322.4	1470.8	1798.8	2566.1	4381.2	8101.9	10049.1	10216.8
60°	1187.3	1190.3	1208.1	1257.1	1384.7	1663.7	2282.6	4131.8	8438.8	10562.6	10679.9
62.5°	1126.5	1126.5	1142.8	1179.9	1285.3	1516.8	2011.0	3802.4	8628.8	10829.8	11024.2
65°	1049.3	1044.8	1062.6	1089.4	1169.5	1359.5	1763.2	3415.0	8535.3	10991.5	11285.4
67.5°	966.2	957.3	966.2	978.0	1037.4	1190.3	1512.3	3064.7	8098.9	10887.6	11240.9
70°	857.8	846.0	850.4	850.4	890.5	992.9	1267.5	2767.9	7103.1	10552.2	11053.9
72.5°	702.0	697.5	705.0	699.0	728.7	797.0	1050.8	2407.3	5788.1	9747.8	10350.4
75°	427.4	433.4	457.1	498.7	525.4	577.3	768.8	1904.1	4382.7	7353.9	8073.7
77.5°	178.1	198.9	219.7	227.1	256.8	250.8	347.3	863.8	1775.0	2928.2	3170.1
80°	59.4	60.8	135.1	149.9	164.7	135.1	132.1	289.4	507.6	428.9	360.6
82.5°	35.6	38.6	74.2	80.1	69.8	72.7	77.2	98.0	95.0	154.4	175.1
85°	17.8	19.3	32.7	37.1	37.1	44.5	44.5	47.5	53.4	93.5	100.9
87.5°	4.5	4.5	8.9	13.4	14.8	17.8	17.8	20.8	23.7	34.1	40.1
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)