

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: P509082

Luminaire Tested: **VERD-CA2-100-740-U-T5**

Issue Date: 3/4/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P509082  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2102-139-8)  
Test Lab: INNOVATION CENTER  
Issue Date: 3/4/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: VERD-CA2-100-740-U-T5  
Description: VERDEON ROADWAY AND AREA LUMINAIRE  
(2) 70 CRI, 4000K, 1370mA LEDS AND TYPE V OPTICS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 14385 lumens  
Efficiency: N/A  
Efficacy: 139.1 lumens/watt  
Luminous Opening: Rectangular (W 0.79' x L: 1.25' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B4 - U0 - G3

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

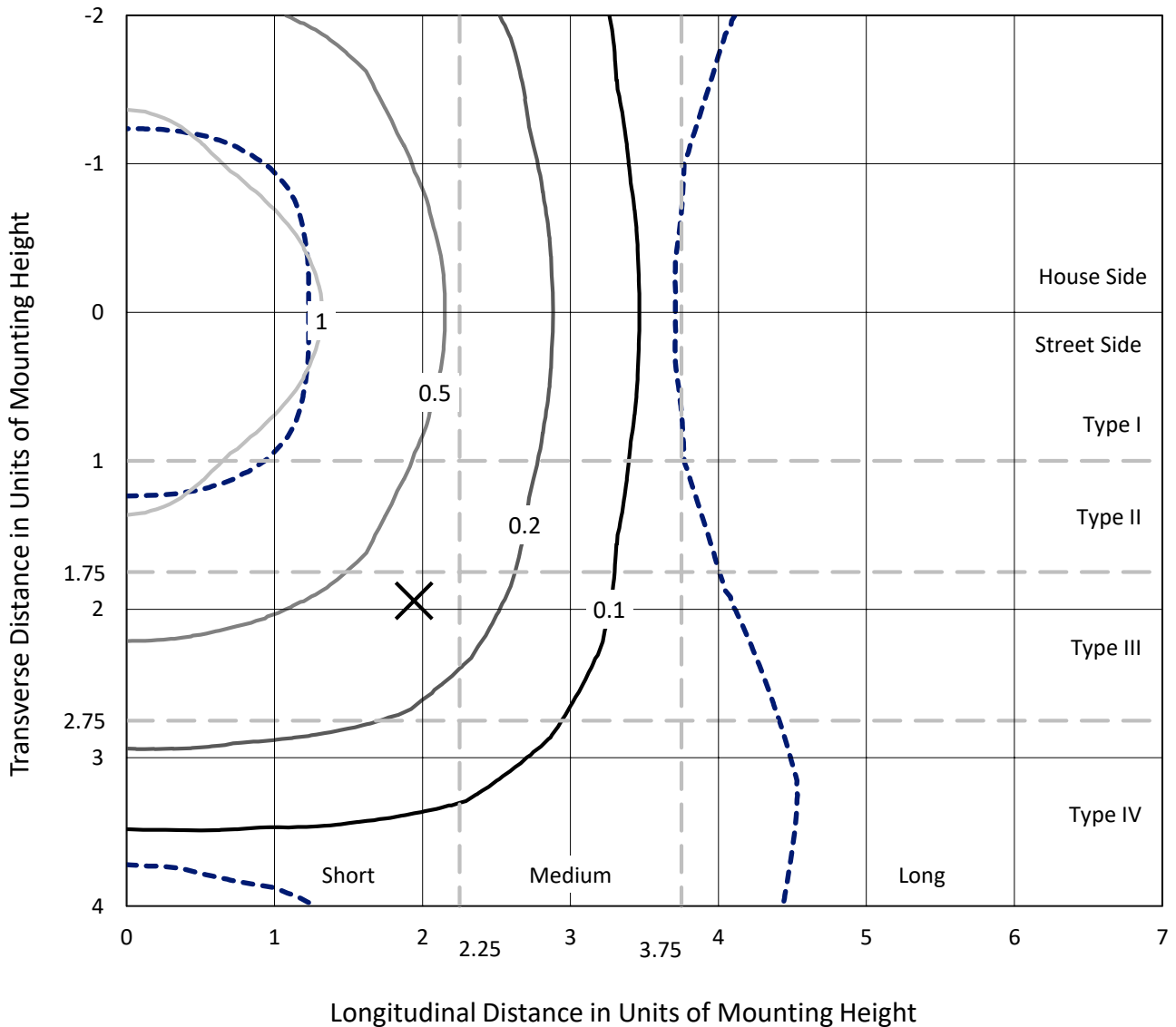


REPORT NUMBER: P509082

CATALOG NUMBER: VERD-CA2-100-740-U-T5

### Iso-Footcandle Lines of Horizontal Illumination

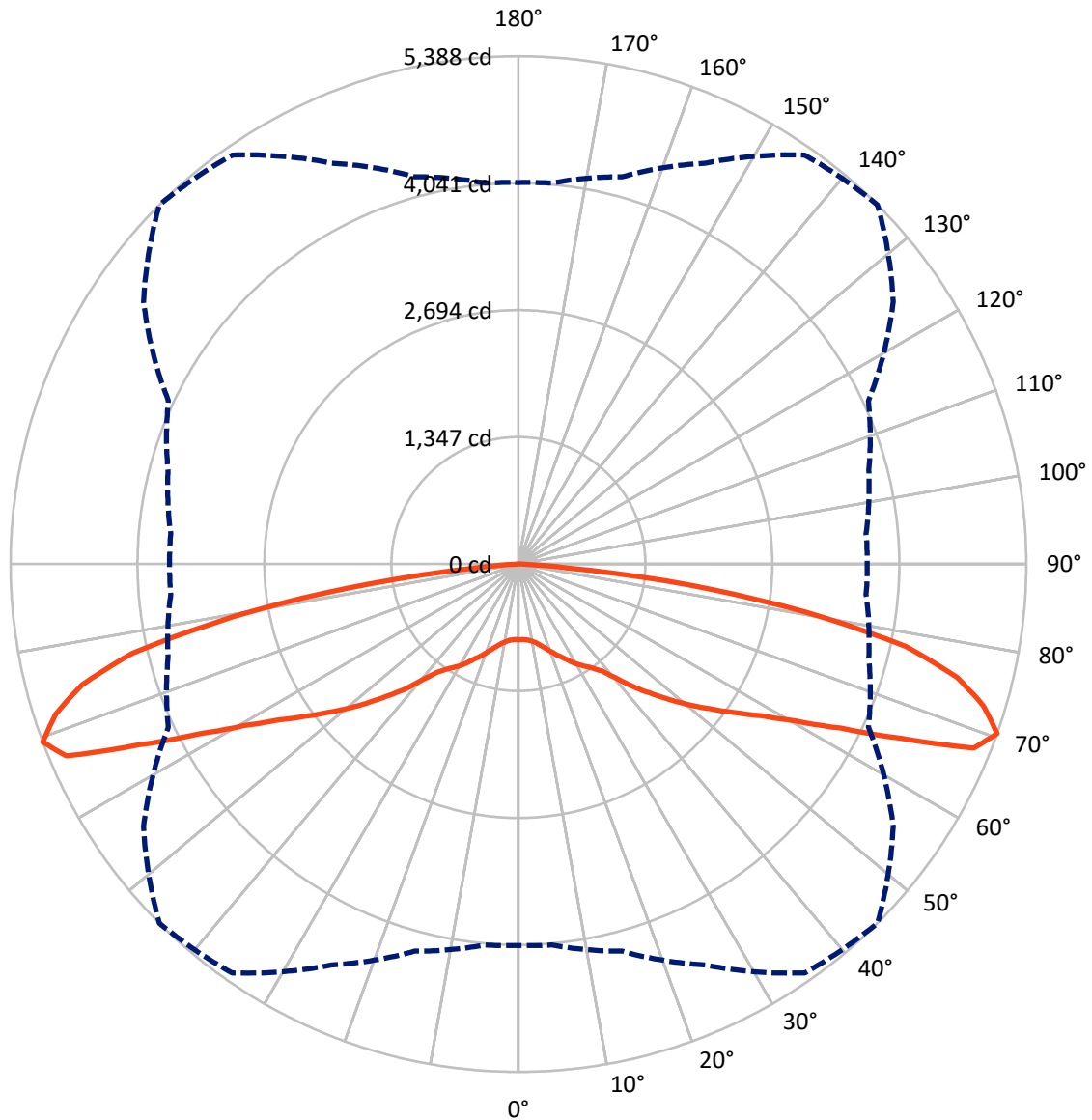
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.3 fc  
 Type V - Short - N/A

REPORT NUMBER: P509082  
CATALOG NUMBER: VERD-CA2-100-740-U-T5

### Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral      - - - Horizontal Cone Through 70-Deg Vertical

REPORT NUMBER: P509082

CATALOG NUMBER: VERD-CA2-100-740-U-T5

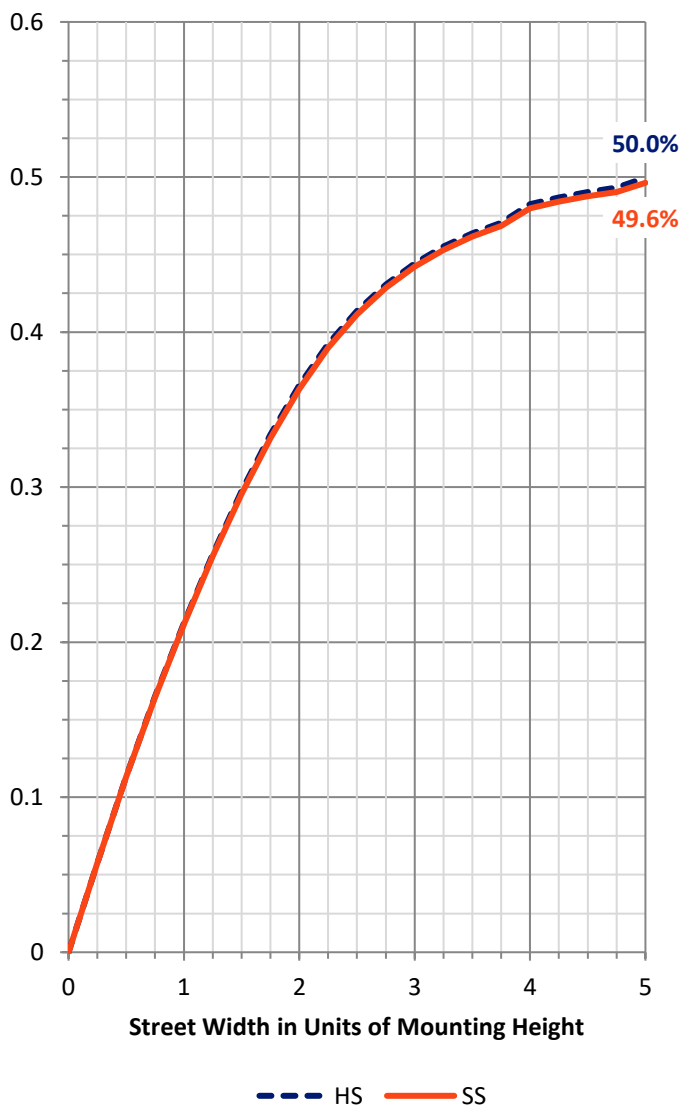
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	7192.5	0.0	7192.5
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	7192.5	0.0	7192.5
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	14385.0	0.0	14385.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	78.2	0.5
10°-20°	257.0	1.8
20°-30°	504.7	3.5
30°-40°	865.7	6.0
40°-50°	1589.5	11.0
50°-60°	2675.0	18.6
60°-70°	4226.6	29.4
70°-80°	3606.9	25.1
80°-90°	581.5	4.0
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°	14385.0	100.0
0°-180°	14385.0	100.0

**Coefficient of Utilization**



REPORT NUMBER: P509082

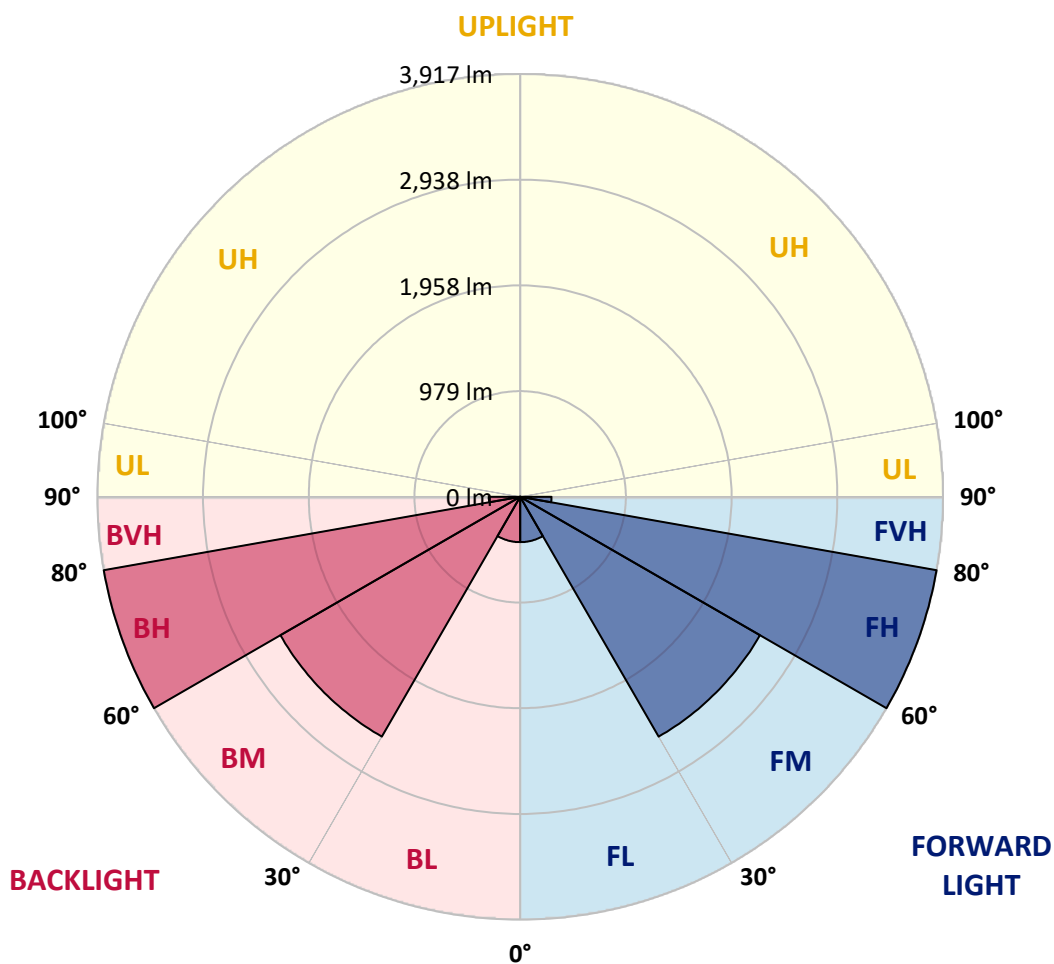
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	419.9	2.9			
FM (30°-60°)	2565.1	17.8			
FH (60°-80°)	3916.7	27.2			G2/5000
FVH (80°-90°)	290.7	2.0			G3/500
BL (0°-30°)	419.9	2.9	B1/500		
BM (30°-60°)	2565.1	17.8	B3/5000		
BH (60°-80°)	3916.7	27.2	B4/5000		G2/5000
BVH (80°-90°)	290.7	2.0			G3/500
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B4-U0-G3**

Type V Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	804.1	804.1	804.1	804.1	804.1	804.1	804.1	804.1	804.1	804.1	804.1
2.5°	805.6	810.1	805.6	805.6	802.6	801.1	801.1	801.1	804.1	807.1	807.1
5°	811.6	814.7	810.1	810.1	807.1	807.1	807.1	807.1	810.1	813.2	811.6
7.5°	822.2	826.8	822.2	822.2	819.2	816.2	816.2	817.7	819.2	820.7	819.2
10°	840.4	846.4	840.4	843.4	837.3	835.8	834.3	834.3	835.8	835.8	835.8
12.5°	863.0	867.6	864.5	867.6	861.5	861.5	857.0	857.0	855.5	855.5	855.5
15°	893.3	899.3	896.3	900.8	897.8	897.8	893.3	888.7	887.2	887.2	887.2
17.5°	929.5	935.6	934.1	941.6	938.6	941.6	932.6	925.0	926.5	926.5	925.0
20°	971.9	977.9	977.9	988.5	988.5	991.5	979.4	971.9	968.8	970.3	968.8
22.5°	1018.7	1024.8	1023.2	1039.9	1048.9	1048.9	1032.3	1026.3	1020.2	1021.7	1018.7
25°	1070.1	1077.7	1070.1	1085.2	1100.3	1101.8	1088.2	1073.1	1073.1	1080.7	1077.7
27.5°	1113.9	1123.0	1118.5	1124.5	1157.8	1166.8	1145.7	1129.0	1132.1	1138.1	1133.6
30°	1166.8	1174.4	1166.8	1171.4	1203.1	1233.3	1194.0	1189.5	1195.6	1201.6	1201.6
32.5°	1234.8	1243.9	1230.3	1234.8	1245.4	1292.3	1257.5	1263.6	1277.2	1290.8	1290.8
35°	1315.0	1324.0	1310.4	1310.4	1315.0	1354.3	1343.7	1361.8	1389.0	1417.7	1423.8
37.5°	1416.2	1420.8	1405.6	1399.6	1408.7	1440.4	1455.5	1496.3	1540.2	1593.1	1602.1
40°	1553.8	1559.8	1538.6	1532.6	1538.6	1584.0	1626.3	1698.9	1759.3	1815.2	1821.3
42.5°	1757.8	1775.9	1754.8	1735.1	1735.1	1775.9	1834.9	1922.6	1999.6	2035.9	2045.0
45°	1983.0	1999.6	1954.3	1928.6	1918.0	1951.3	2016.3	2119.0	2191.6	2250.5	2246.0
47.5°	2250.5	2244.5	2202.2	2156.8	2123.6	2144.7	2205.2	2294.4	2373.0	2425.9	2427.4
50°	2549.8	2548.3	2492.4	2403.2	2339.7	2348.8	2389.6	2484.8	2563.4	2613.3	2625.4
52.5°	2868.7	2858.1	2784.1	2681.3	2586.1	2555.8	2572.5	2657.1	2741.8	2799.2	2799.2
55°	3187.6	3174.0	3112.1	2976.0	2862.7	2781.1	2769.0	2853.6	2950.3	3019.9	3024.4
57.5°	3517.1	3520.1	3453.6	3337.3	3163.4	3038.0	3004.7	3101.5	3204.3	3267.7	3284.4
60°	3852.7	3849.6	3798.3	3716.6	3542.8	3379.6	3325.2	3381.1	3511.1	3561.0	3580.6
62.5°	4280.4	4291.0	4215.4	4158.0	3993.2	3836.0	3733.3	3787.7	3916.1	3985.7	3987.2
65°	4511.7	4532.8	4566.1	4670.4	4615.9	4455.7	4325.7	4262.3	4223.0	4200.3	4186.7
67.5°	4381.7	4383.2	4526.8	4792.8	5107.2	5209.9	4714.2	4269.8	4106.6	4061.2	4049.2
70°	4047.6	4056.7	4253.2	4693.0	5296.1	5388.3	4854.8	4097.5	3848.1	3703.0	3701.5
72.5°	3382.6	3492.9	3751.4	4402.8	5173.7	5163.1	4629.5	3819.4	3426.4	3282.9	3266.2
75°	2676.8	2708.5	3066.7	3799.8	4720.2	4807.9	4301.6	3320.6	2864.2	2675.3	2664.7
77.5°	1711.0	1739.7	2134.2	2948.8	3988.7	4201.8	3669.8	2652.6	2141.7	1877.2	1869.7
80°	835.8	917.4	1216.7	1919.5	2879.3	3080.3	2581.5	1695.8	1268.1	1018.7	997.6
82.5°	343.1	361.2	592.5	1062.5	1689.8	1825.8	1319.5	789.0	468.5	309.8	287.2
85°	102.8	104.3	181.4	379.4	711.9	515.4	266.0	113.4	49.9	36.3	34.8
87.5°	18.1	19.6	33.3	45.3	43.8	19.6	18.1	16.6	16.6	16.6	18.1
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)