

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: P509194

Luminaire Tested: **VERD-CA2-120-760-U-T5**

Issue Date: 3/4/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P509194  
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-CA2-120-760-U-T5  
Description: VERDEON ROADWAY AND AREA LUMINAIRE  
(2) 70 CRI, 5700K, 1120mA LEDS AND TYPE V OPTICS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 17636 lumens  
Efficiency: N/A  
Efficacy: 143.7 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): 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

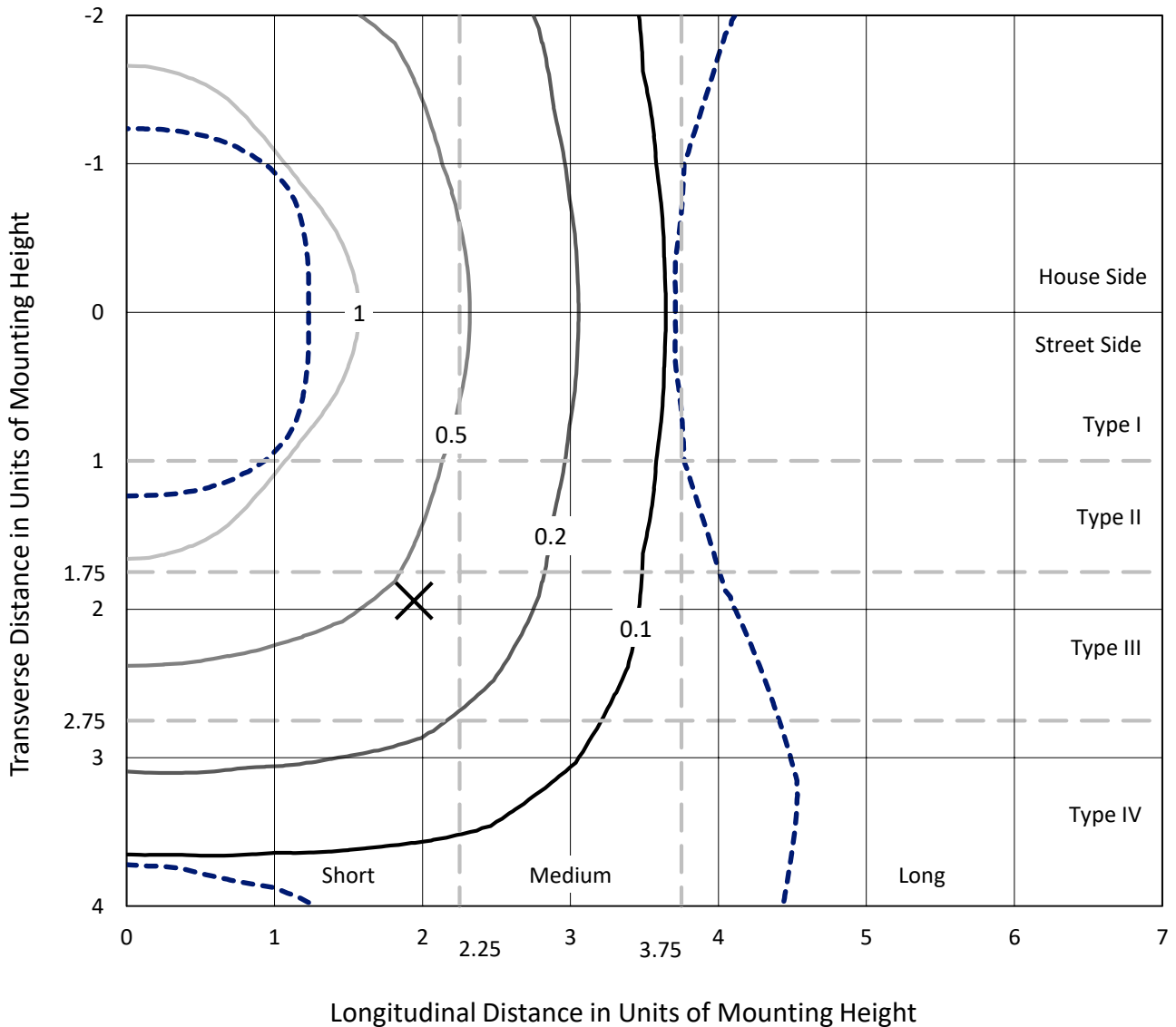


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### Iso-Footcandle Lines of Horizontal Illumination

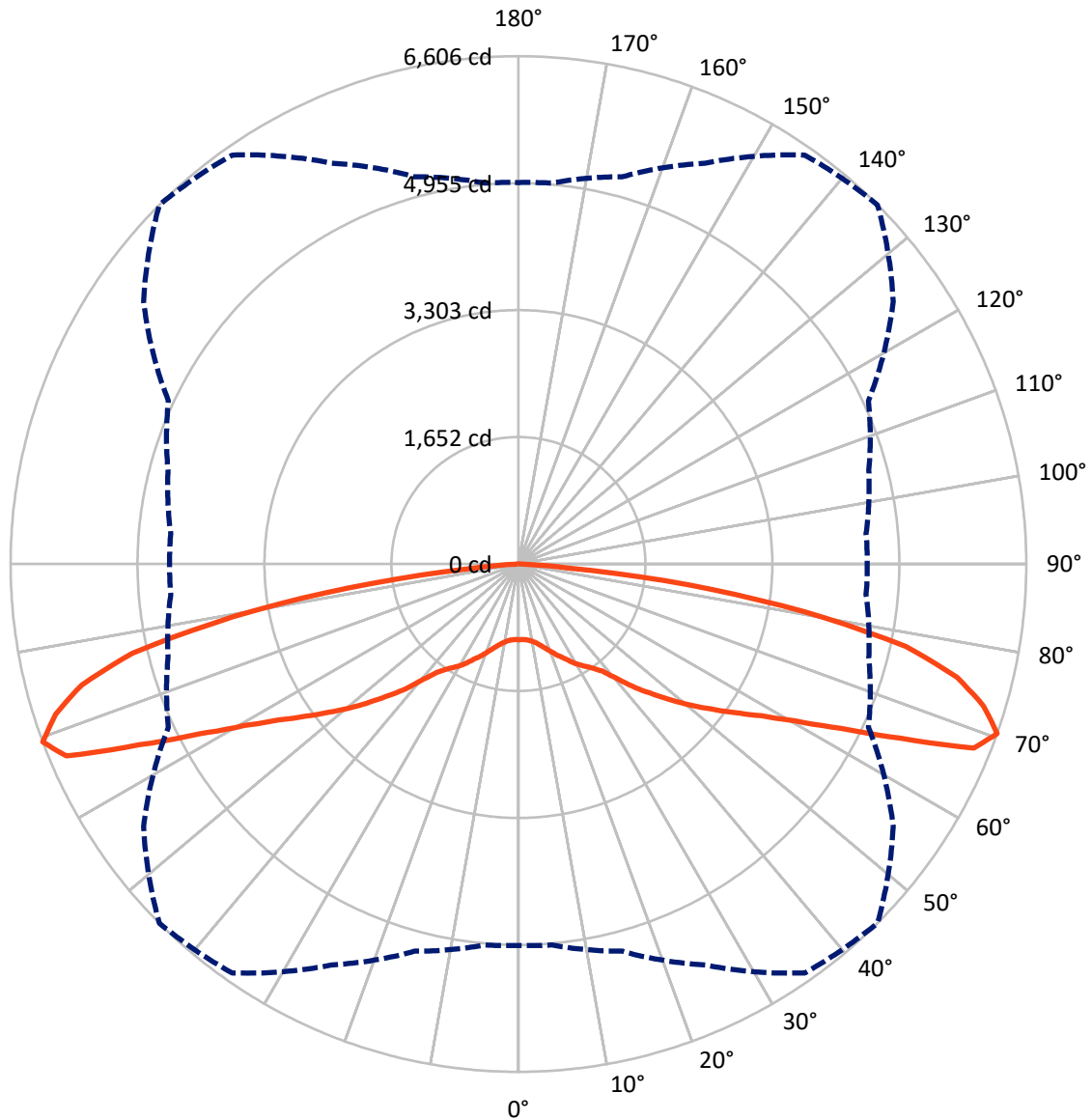
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.6 fc  
 Type V - Short - N/A

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### Luminous Intensity Polar Plot



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

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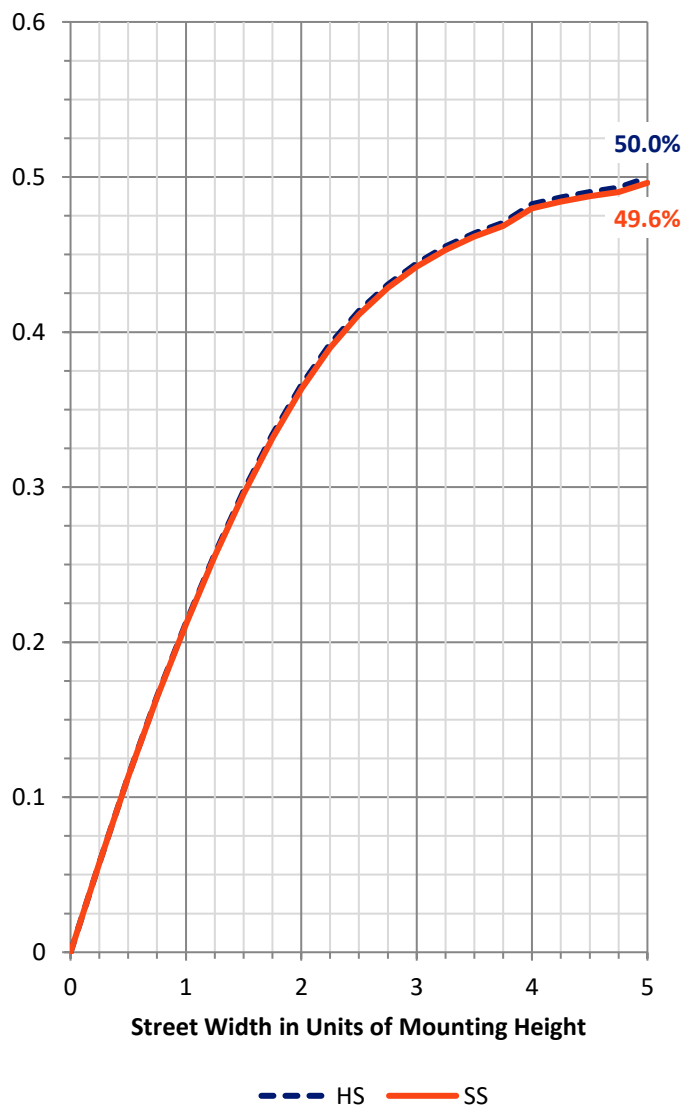
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	8818.0	0.0	8818.0
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	8818.0	0.0	8818.0
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	17636.0	0.0	17636.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	95.8	0.5
10°-20°	315.0	1.8
20°-30°	618.8	3.5
30°-40°	1061.3	6.0
40°-50°	1948.7	11.0
50°-60°	3279.6	18.6
60°-70°	5181.8	29.4
70°-80°	4422.0	25.1
80°-90°	712.9	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°	17636.0	100.0
0°-180°	17636.0	100.0

**Coefficient of Utilization**



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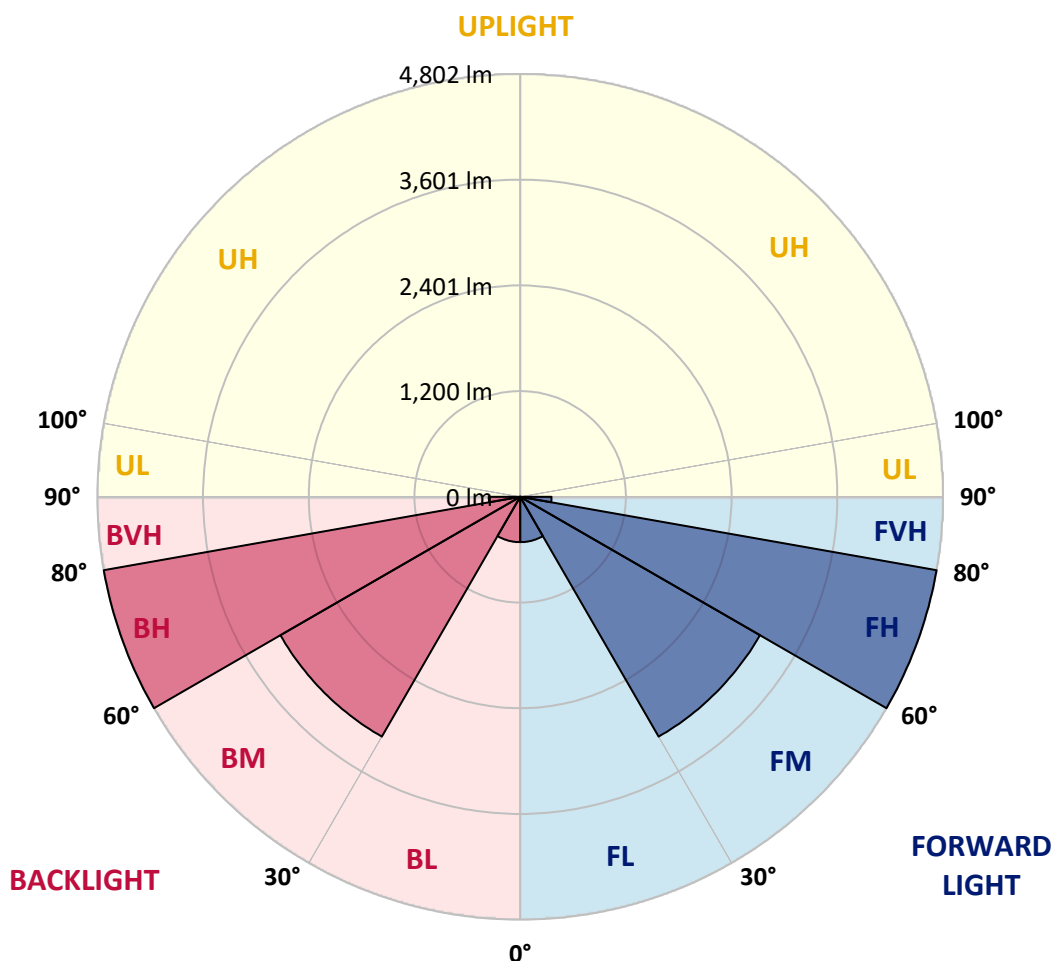
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	514.8	2.9			
FM (30°-60°)	3144.8	17.8			
FH (60°-80°)	4801.9	27.2			G2/5000
FVH (80°-90°)	356.5	2.0			G3/500
BL (0°-30°)	514.8	2.9	B2/1000		
BM (30°-60°)	3144.8	17.8	B3/5000		
BH (60°-80°)	4801.9	27.2	B4/5000		G2/5000
BVH (80°-90°)	356.5	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°	985.8	985.8	985.8	985.8	985.8	985.8	985.8	985.8	985.8	985.8	985.8
2.5°	987.7	993.2	987.7	987.7	984.0	982.1	982.1	982.1	985.8	989.5	989.5
5°	995.1	998.8	993.2	993.2	989.5	989.5	989.5	989.5	993.2	996.9	995.1
7.5°	1008.0	1013.6	1008.0	1008.0	1004.3	1000.6	1000.6	1002.5	1004.3	1006.2	1004.3
10°	1030.3	1037.7	1030.3	1034.0	1026.6	1024.7	1022.9	1022.9	1024.7	1024.7	1024.7
12.5°	1058.1	1063.6	1059.9	1063.6	1056.2	1056.2	1050.7	1050.7	1048.8	1048.8	1048.8
15°	1095.1	1102.6	1098.8	1104.4	1100.7	1100.7	1095.1	1089.6	1087.7	1087.7	1087.7
17.5°	1139.6	1147.0	1145.2	1154.4	1150.7	1154.4	1143.3	1134.1	1135.9	1135.9	1134.1
20°	1191.5	1198.9	1198.9	1211.9	1211.9	1215.6	1200.8	1191.5	1187.8	1189.6	1187.8
22.5°	1248.9	1256.4	1254.5	1274.9	1286.0	1286.0	1265.6	1258.2	1250.8	1252.6	1248.9
25°	1311.9	1321.2	1311.9	1330.5	1349.0	1350.9	1334.2	1315.6	1315.6	1324.9	1321.2
27.5°	1365.7	1376.8	1371.2	1378.7	1419.4	1430.5	1404.6	1384.2	1387.9	1395.3	1389.8
30°	1430.5	1439.8	1430.5	1436.1	1475.0	1512.1	1463.9	1458.3	1465.7	1473.2	1473.2
32.5°	1513.9	1525.0	1508.4	1513.9	1526.9	1584.3	1541.7	1549.1	1565.8	1582.5	1582.5
35°	1612.1	1623.3	1606.6	1606.6	1612.1	1660.3	1647.3	1669.6	1702.9	1738.1	1745.6
37.5°	1736.3	1741.8	1723.3	1715.9	1727.0	1765.9	1784.5	1834.5	1888.2	1953.1	1964.2
40°	1904.9	1912.3	1886.4	1879.0	1886.4	1942.0	1993.9	2082.8	2156.9	2225.5	2232.9
42.5°	2155.1	2177.3	2151.4	2127.3	2127.3	2177.3	2249.6	2357.0	2451.6	2496.0	2507.1
45°	2431.2	2451.6	2396.0	2364.5	2351.5	2392.3	2471.9	2597.9	2686.9	2759.2	2753.6
47.5°	2759.2	2751.7	2699.9	2644.3	2603.5	2629.4	2703.6	2812.9	2909.3	2974.1	2976.0
50°	3126.1	3124.2	3055.6	2946.3	2868.5	2879.6	2929.6	3046.4	3142.7	3203.9	3218.7
52.5°	3517.0	3504.1	3413.3	3287.3	3170.5	3133.5	3153.9	3257.6	3361.4	3431.8	3431.8
55°	3908.0	3891.4	3815.4	3648.6	3509.6	3409.6	3394.7	3498.5	3617.1	3702.3	3707.9
57.5°	4312.0	4315.7	4234.2	4091.5	3878.4	3724.6	3683.8	3802.4	3928.4	4006.2	4026.6
60°	4723.4	4719.7	4656.7	4556.6	4343.5	4143.4	4076.7	4145.2	4304.6	4365.7	4389.8
62.5°	5247.8	5260.7	5168.1	5097.7	4895.7	4703.0	4577.0	4643.7	4801.2	4886.4	4888.3
65°	5531.3	5557.2	5598.0	5725.9	5659.1	5462.7	5303.4	5225.5	5177.4	5149.6	5132.9
67.5°	5371.9	5373.8	5549.8	5875.9	6261.4	6387.4	5779.6	5234.8	5034.7	4979.1	4964.3
70°	4962.4	4973.5	5214.4	5753.6	6493.0	6606.0	5951.9	5023.6	4717.8	4539.9	4538.1
72.5°	4147.1	4282.3	4599.2	5397.9	6342.9	6329.9	5675.8	4682.6	4200.8	4024.8	4004.4
75°	3281.7	3320.6	3759.8	4658.5	5787.0	5894.5	5273.7	4071.1	3511.5	3279.9	3266.9
77.5°	2097.6	2132.8	2616.5	3615.3	4890.1	5151.4	4499.1	3252.1	2625.7	2301.5	2292.2
80°	1024.7	1124.8	1491.7	2353.3	3530.0	3776.5	3165.0	2079.1	1554.7	1248.9	1223.0
82.5°	420.6	442.9	726.4	1302.7	2071.7	2238.5	1617.7	967.3	574.4	379.9	352.1
85°	126.0	127.9	222.4	465.1	872.8	631.9	326.1	139.0	61.1	44.5	42.6
87.5°	22.2	24.1	40.8	55.6	53.7	24.1	22.2	20.4	20.4	20.4	22.2
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)