

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: P509170

Luminaire Tested: **VERD-CA2-120-730-U-T5**

Issue Date: 3/4/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P509170  
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-CA2-120-730-U-T5  
Description: VERDEON ROADWAY AND AREA LUMINAIRE  
(2) 70 CRI, 3000K, 1120mA LEDS AND TYPE V OPTICS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

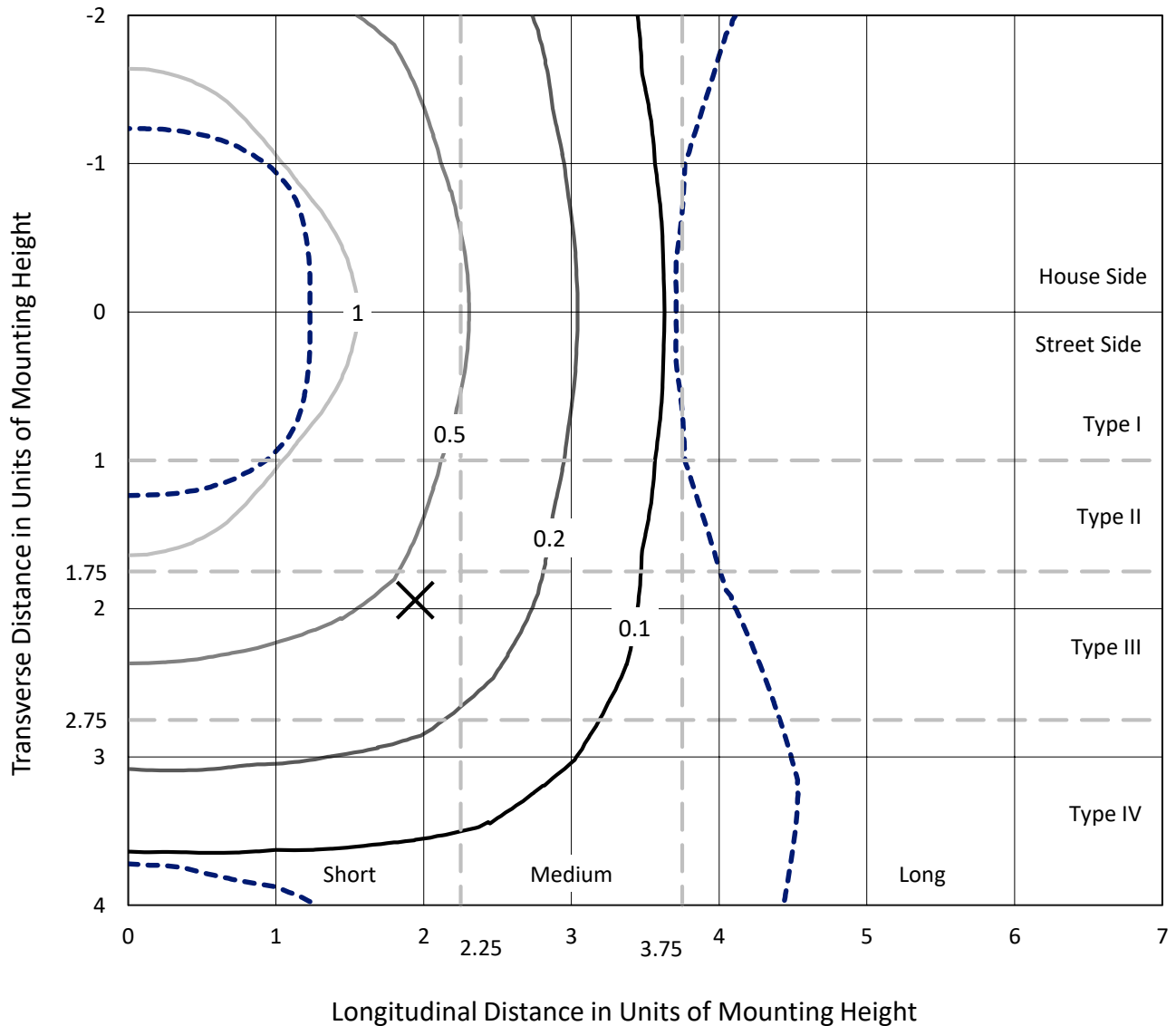
Lumens per Lamp: N/A  
Luminaire Lumens: 17373 lumens  
Efficiency: N/A  
Efficacy: 141.6 lumens/watt  
Luminous Opening: Rectangular (W 0.79' x L: 1.25' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B4 - U0 - G3  
  
Input Watts (W): 122.7  
Input Voltage (V): NR  
Input Current (Ain): 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

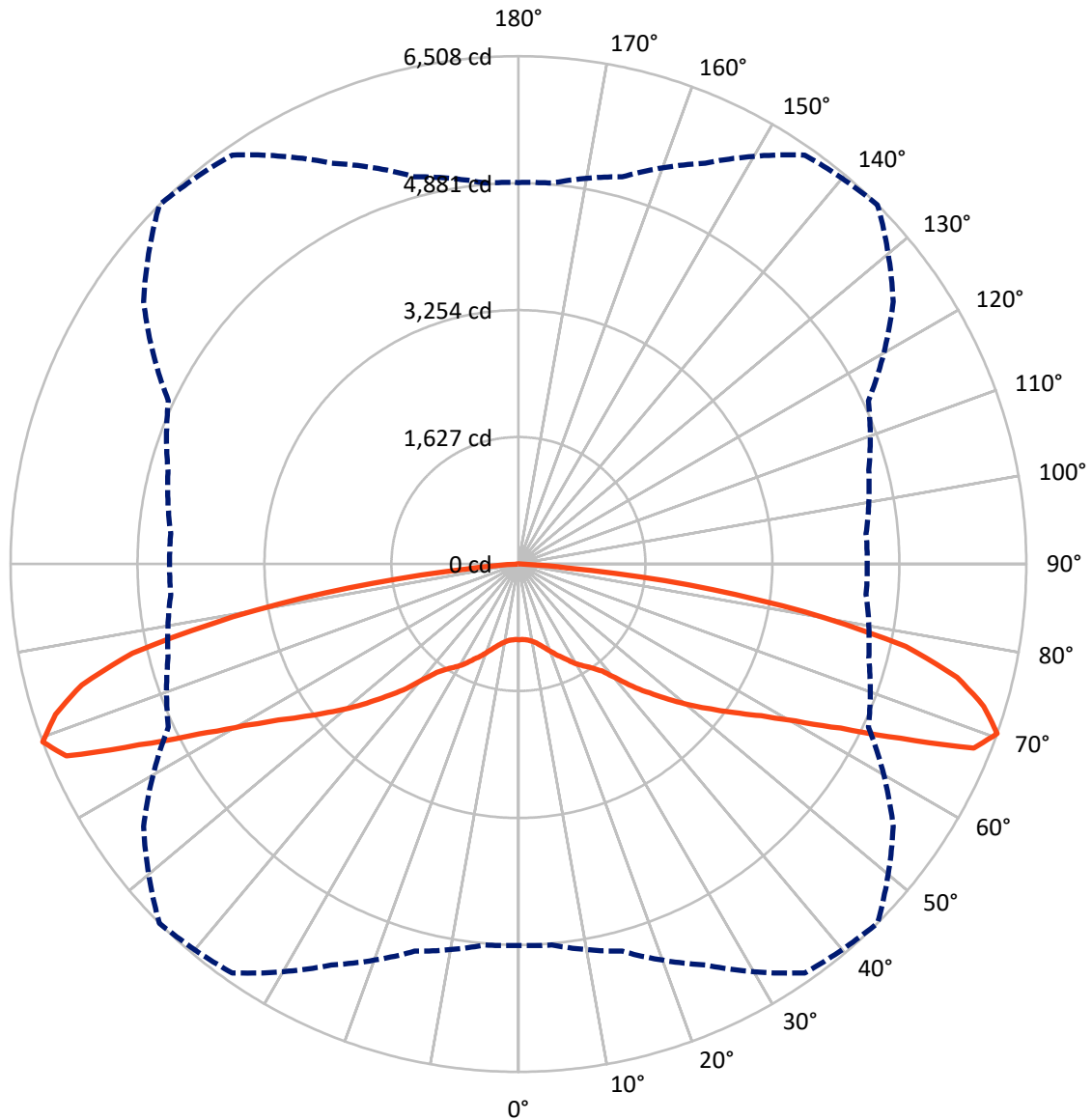
✕ Max cd  
 - - - 1/2 Max cd



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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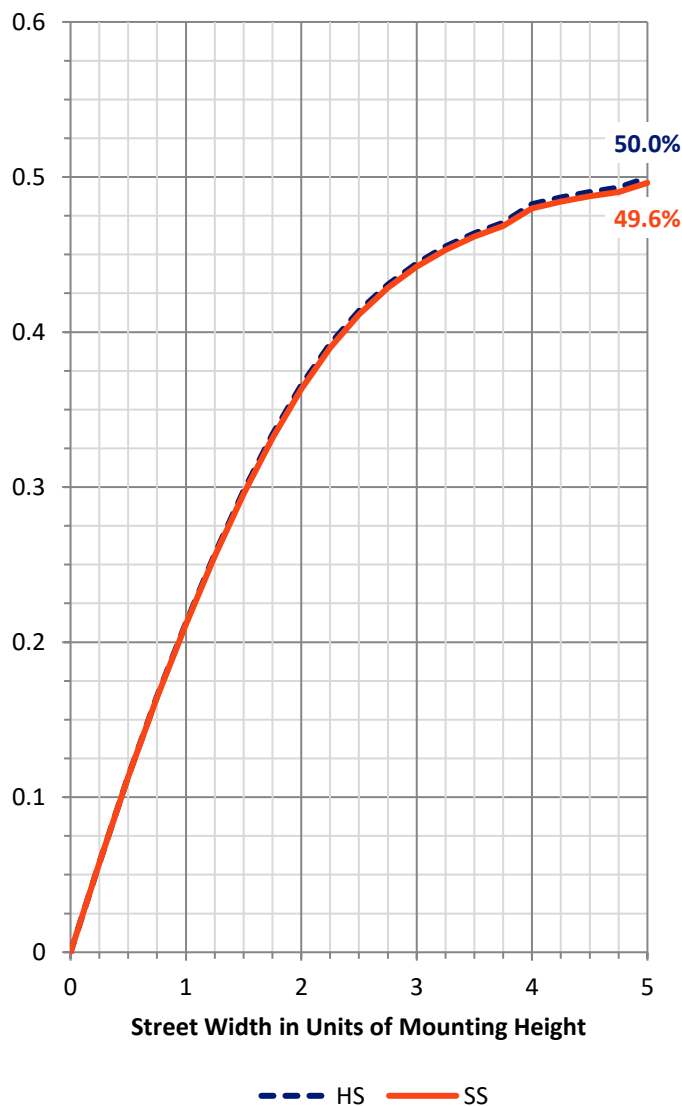
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	8686.5	0.0	8686.5
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	8686.5	0.0	8686.5
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	17373.0	0.0	17373.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	94.4	0.5
10°-20°	310.3	1.8
20°-30°	609.6	3.5
30°-40°	1045.5	6.0
40°-50°	1919.7	11.0
50°-60°	3230.6	18.6
60°-70°	5104.6	29.4
70°-80°	4356.1	25.1
80°-90°	702.3	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°	17373.0	100.0
0°-180°	17373.0	100.0

**Coefficient of Utilization**



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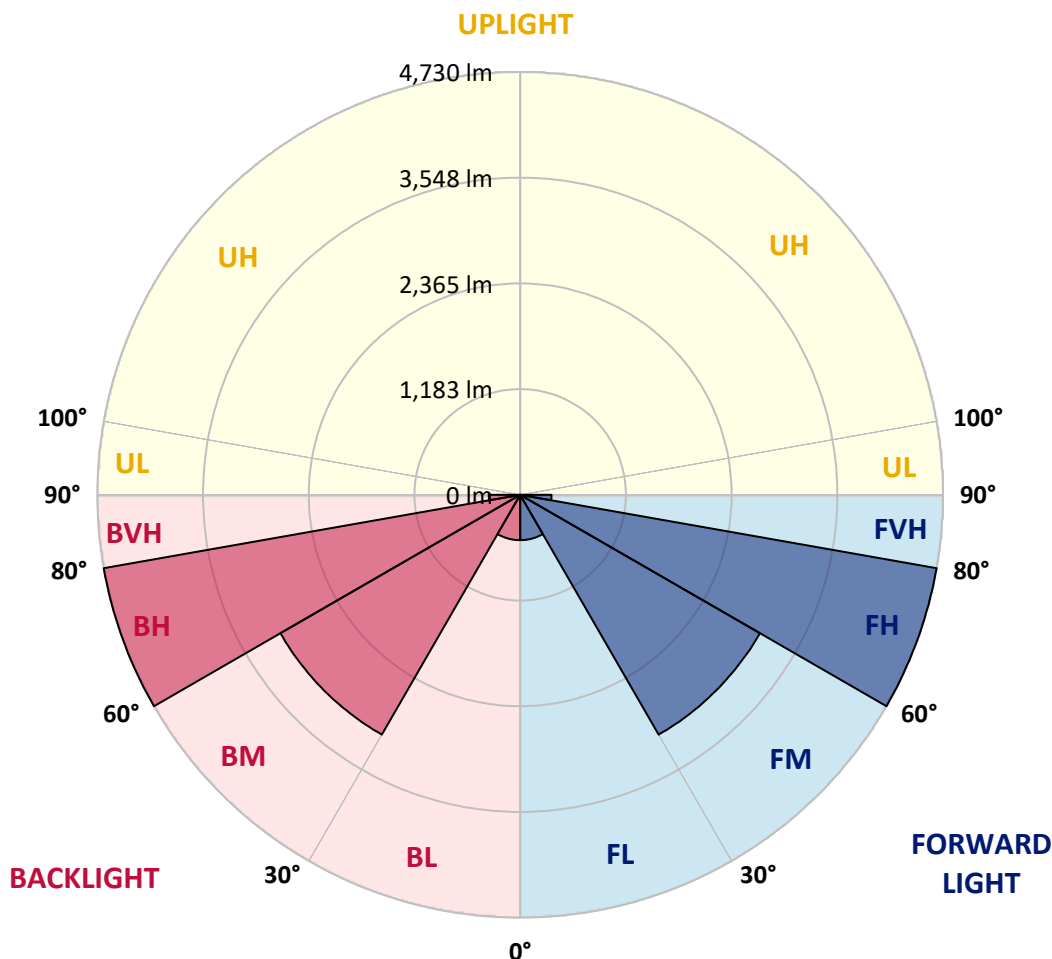
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	507.2	2.9			
FM	(30°-60°)	3097.9	17.8			
FH	(60°-80°)	4730.3	27.2			G2/5000
FVH	(80°-90°)	351.2	2.0			G3/500
BL	(0°-30°)	507.2	2.9	B2/1000		
BM	(30°-60°)	3097.9	17.8	B3/5000		
BH	(60°-80°)	4730.3	27.2	B4/5000		G2/5000
BVH	(80°-90°)	351.2	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°	971.1	971.1	971.1	971.1	971.1	971.1	971.1	971.1	971.1	971.1	971.1
2.5°	972.9	978.4	972.9	972.9	969.3	967.5	967.5	967.5	971.1	974.8	974.8
5°	980.2	983.9	978.4	978.4	974.8	974.8	974.8	974.8	978.4	982.1	980.2
7.5°	993.0	998.5	993.0	993.0	989.4	985.7	985.7	987.5	989.4	991.2	989.4
10°	1014.9	1022.2	1014.9	1018.6	1011.3	1009.4	1007.6	1007.6	1009.4	1009.4	1009.4
12.5°	1042.3	1047.8	1044.1	1047.8	1040.5	1040.5	1035.0	1035.0	1033.2	1033.2	1033.2
15°	1078.8	1086.1	1082.5	1087.9	1084.3	1084.3	1078.8	1073.3	1071.5	1071.5	1071.5
17.5°	1122.6	1129.9	1128.1	1137.2	1133.6	1137.2	1126.3	1117.1	1119.0	1119.0	1117.1
20°	1173.7	1181.0	1181.0	1193.8	1193.8	1197.5	1182.9	1173.7	1170.1	1171.9	1170.1
22.5°	1230.3	1237.6	1235.8	1255.9	1266.8	1266.8	1246.7	1239.4	1232.1	1234.0	1230.3
25°	1292.4	1301.5	1292.4	1310.6	1328.9	1330.7	1314.3	1296.0	1296.0	1305.2	1301.5
27.5°	1345.3	1356.3	1350.8	1358.1	1398.3	1409.2	1383.6	1363.6	1367.2	1374.5	1369.0
30°	1409.2	1418.3	1409.2	1414.7	1453.0	1489.5	1442.1	1436.6	1443.9	1451.2	1451.2
32.5°	1491.3	1502.3	1485.9	1491.3	1504.1	1560.7	1518.7	1526.0	1542.5	1558.9	1558.9
35°	1588.1	1599.0	1582.6	1582.6	1588.1	1635.6	1622.8	1644.7	1677.5	1712.2	1719.5
37.5°	1710.4	1715.9	1697.6	1690.3	1701.3	1739.6	1757.9	1807.1	1860.1	1924.0	1934.9
40°	1876.5	1883.8	1858.3	1850.9	1858.3	1913.0	1964.1	2051.7	2124.8	2192.3	2199.6
42.5°	2122.9	2144.8	2119.3	2095.6	2095.6	2144.8	2216.0	2321.9	2415.0	2458.8	2469.8
45°	2394.9	2415.0	2360.2	2329.2	2316.4	2356.6	2435.1	2559.2	2646.8	2718.0	2712.5
47.5°	2718.0	2710.7	2659.6	2604.8	2564.7	2590.2	2663.2	2770.9	2865.9	2929.8	2931.6
50°	3079.4	3077.6	3010.1	2902.4	2825.7	2836.7	2885.9	3000.9	3095.9	3156.1	3170.7
52.5°	3464.6	3451.8	3362.4	3238.2	3123.2	3086.7	3106.8	3209.0	3311.3	3380.6	3380.6
55°	3849.8	3833.3	3758.5	3594.2	3457.3	3358.7	3344.1	3446.3	3563.2	3647.1	3652.6
57.5°	4247.7	4251.3	4171.0	4030.5	3820.5	3669.0	3628.9	3745.7	3869.8	3946.5	3966.6
60°	4652.9	4649.3	4587.2	4488.6	4278.7	4081.6	4015.9	4083.4	4240.4	4300.6	4324.4
62.5°	5169.5	5182.3	5091.0	5021.7	4822.7	4632.8	4508.7	4574.4	4729.6	4813.6	4815.4
65°	5448.8	5474.4	5514.5	5640.5	5574.8	5381.3	5224.3	5147.6	5100.1	5072.8	5056.3
67.5°	5291.8	5293.6	5467.1	5788.3	6168.0	6292.1	5693.4	5156.7	4959.6	4904.8	4890.2
70°	4888.4	4899.4	5136.7	5667.8	6396.2	6507.5	5863.2	4948.6	4647.5	4472.2	4470.4
72.5°	4085.2	4218.5	4530.6	5317.4	6248.3	6235.5	5591.2	4612.8	4138.2	3964.8	3944.7
75°	3232.8	3271.1	3703.7	4589.0	5700.7	5806.6	5195.1	4010.4	3459.1	3230.9	3218.2
77.5°	2066.3	2101.0	2577.5	3561.3	4817.2	5074.6	4432.1	3203.6	2586.6	2267.1	2258.0
80°	1009.4	1108.0	1469.4	2318.2	3477.4	3720.2	3117.8	2048.1	1531.5	1230.3	1204.8
82.5°	414.4	436.3	715.6	1283.3	2040.8	2205.1	1593.6	952.9	565.9	374.2	346.8
85°	124.1	126.0	219.0	458.2	859.8	622.5	321.3	136.9	60.2	43.8	42.0
87.5°	21.9	23.7	40.2	54.8	52.9	23.7	21.9	20.1	20.1	20.1	21.9
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)