

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: P553582

Luminaire Tested: **VERD-G-CA2-150-750-U-T5**

Issue Date: 7/12/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P553582  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2102-155-8)  
Test Lab: INNOVATION CENTER  
Issue Date: 7/12/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: VERD-G-CA2-150-750-U-T5  
Description: VERDEON-G ROADWAY AND AREA LUMINAIRE  
(2) 70 CRI, 5000K, 1380mA LEDS AND TYPE V OPTICS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 22679 lumens  
Efficiency: N/A  
Efficacy: 149.0 lumens/watt  
Luminous Opening: Rectangular (W 0.9' x L: 1.25' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B5 - U0 - G4

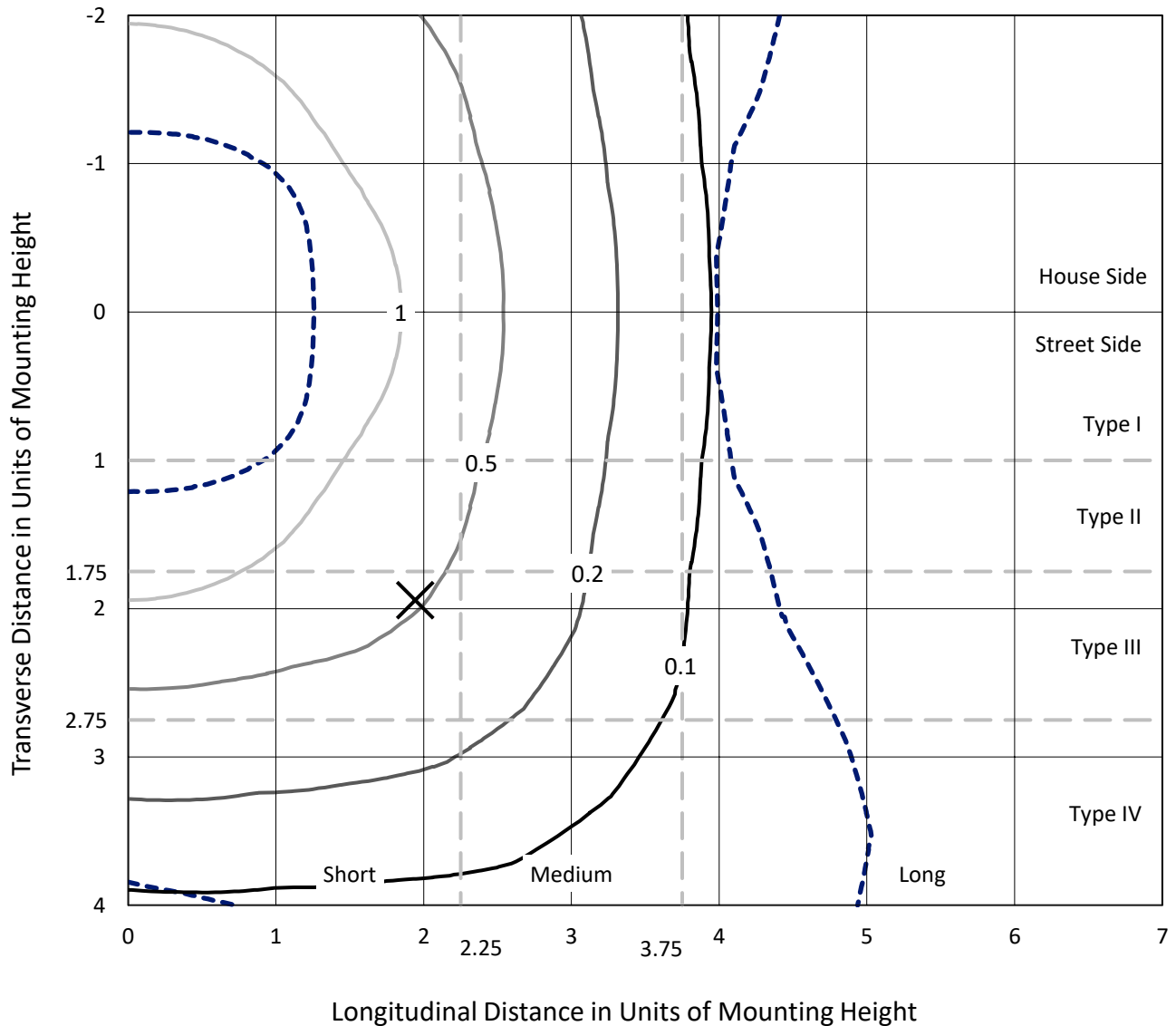
Input Watts (W): 152.2  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

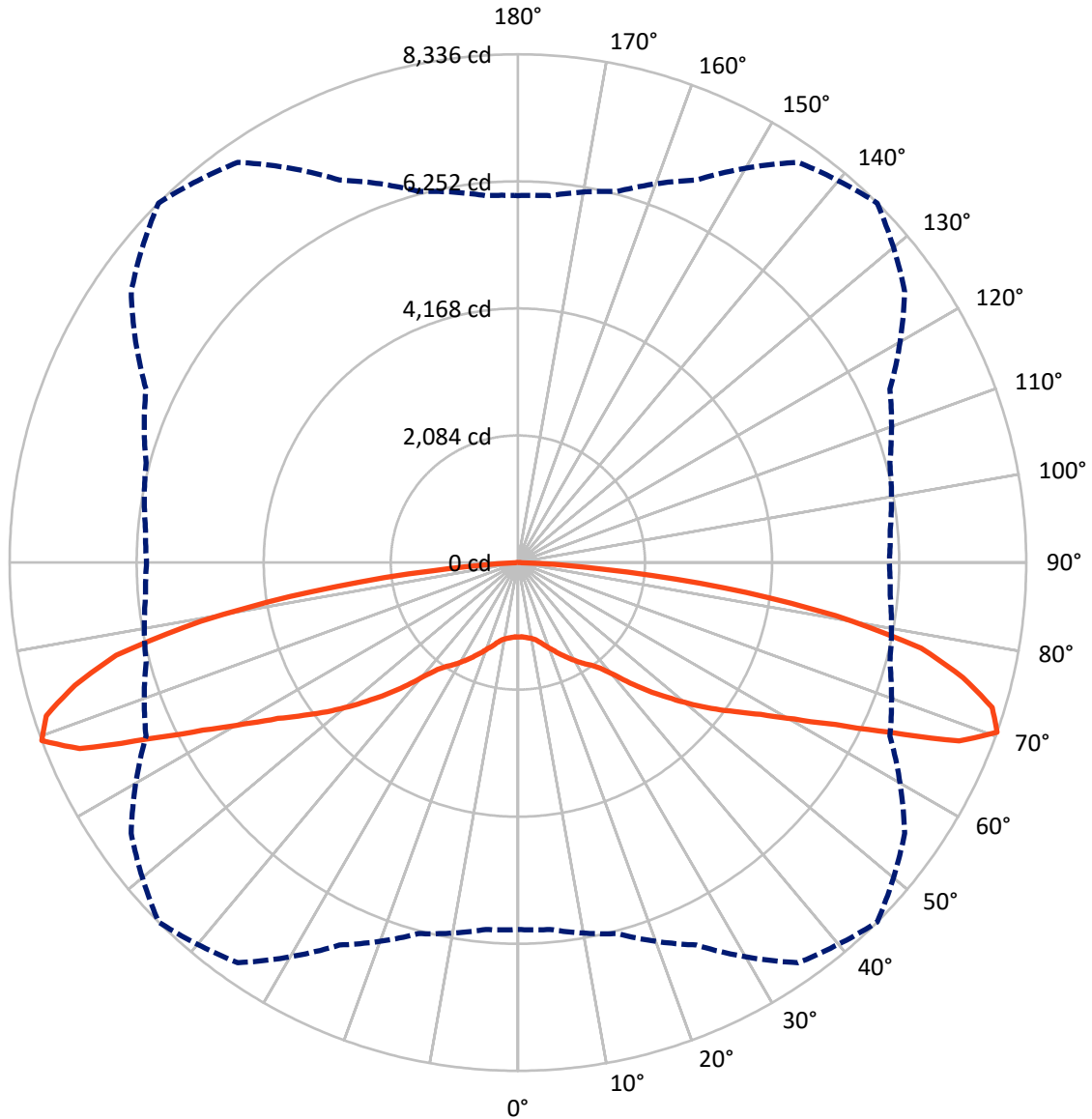
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2 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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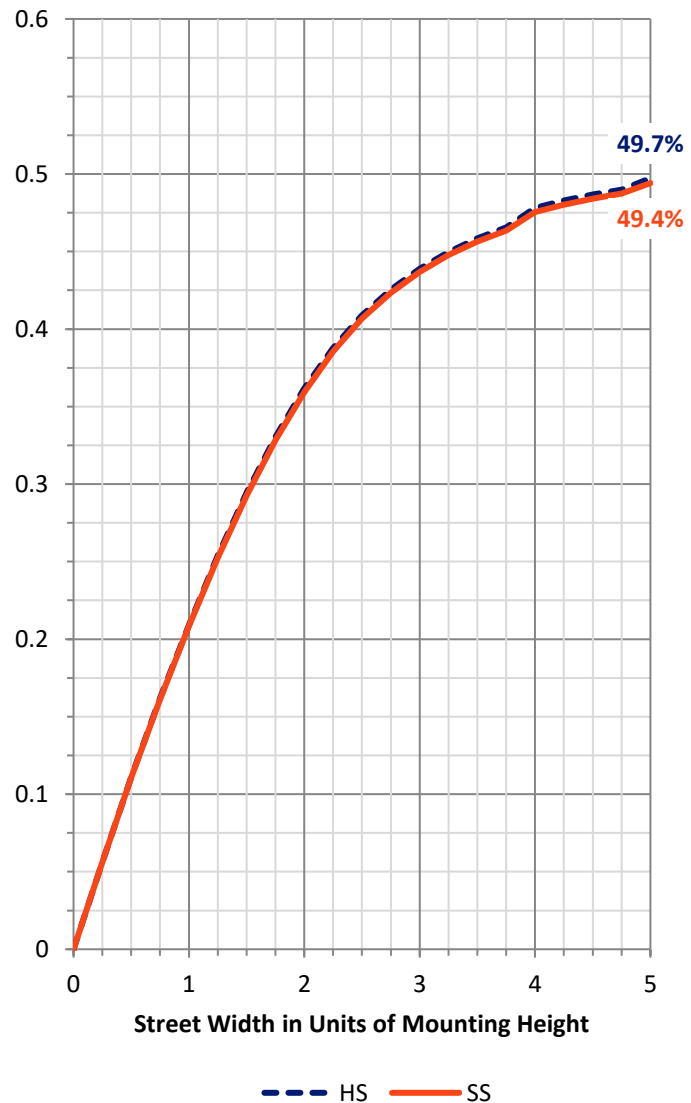
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	11339.5	0.0	11339.5
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	11339.5	0.0	11339.5
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	22679.0	0.0	22679.0
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	119.0	0.5
10°-20°	389.6	1.7
20°-30°	766.6	3.4
30°-40°	1312.8	5.8
40°-50°	2449.2	10.8
50°-60°	4135.4	18.2
60°-70°	6485.7	28.6
70°-80°	5854.7	25.8
80°-90°	1166.0	5.1
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°	22679.0	100.0
0°-180°	22679.0	100.0



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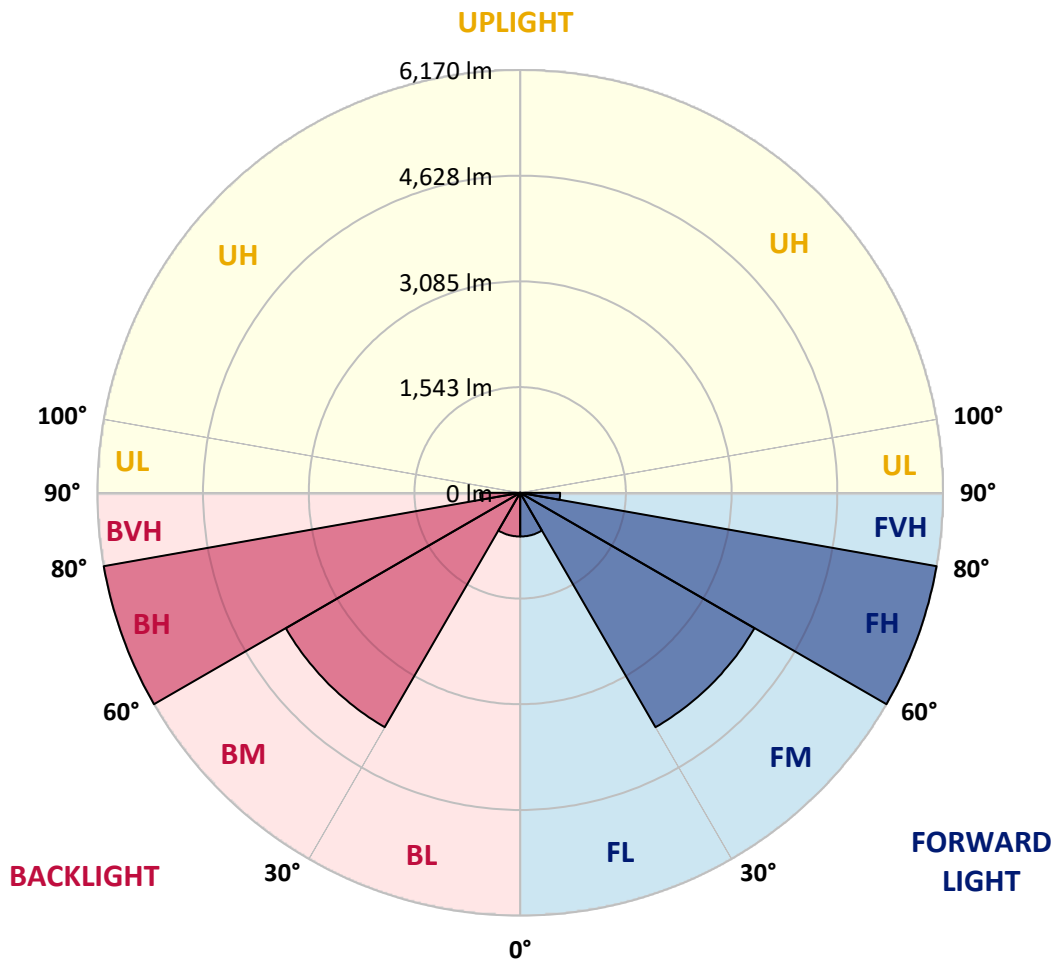
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	637.6	2.8			
FM (30°-60°)	3948.7	17.4			
FH (60°-80°)	6170.2	27.2			G3/7500
FVH (80°-90°)	583.0	2.6			G4/750
BL (0°-30°)	637.6	2.8	B2/1000		
BM (30°-60°)	3948.7	17.4	B3/5000		
BH (60°-80°)	6170.2	27.2	B5		G3/7500
BVH (80°-90°)	583.0	2.6			G4/750
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B5-U0-G4**

Type V Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	1221.4	1221.4	1221.4	1221.4	1221.4	1221.4	1221.4	1221.4	1221.4	1221.4	1221.4
2.5°	1241.8	1241.8	1228.7	1221.4	1222.9	1218.5	1218.5	1217.1	1221.4	1221.4	1217.1
5°	1249.1	1255.0	1241.8	1231.6	1234.5	1231.6	1230.2	1231.6	1238.9	1241.8	1236.0
7.5°	1263.7	1269.5	1253.5	1241.8	1246.2	1247.7	1241.8	1246.2	1250.6	1253.5	1246.2
10°	1287.0	1288.5	1278.3	1262.2	1269.5	1266.6	1265.2	1262.2	1263.7	1265.2	1263.7
12.5°	1320.5	1314.7	1303.1	1298.7	1306.0	1300.1	1292.8	1291.4	1297.2	1292.8	1297.2
15°	1362.8	1358.4	1357.0	1352.6	1364.3	1357.0	1354.1	1349.7	1354.1	1345.3	1351.2
17.5°	1409.5	1415.3	1416.7	1421.1	1431.3	1429.9	1419.7	1416.7	1418.2	1409.5	1409.5
20°	1478.0	1480.9	1485.2	1486.7	1504.2	1501.3	1489.6	1479.4	1482.3	1467.8	1463.4
22.5°	1555.2	1555.2	1553.8	1565.4	1588.7	1588.7	1564.0	1552.3	1556.7	1546.5	1537.7
25°	1631.0	1631.0	1625.2	1641.2	1677.6	1676.2	1651.4	1629.5	1636.8	1631.0	1629.5
27.5°	1709.7	1709.7	1701.0	1706.8	1769.5	1773.8	1738.9	1718.5	1717.0	1722.8	1722.8
30°	1795.7	1791.3	1784.0	1776.8	1848.2	1870.0	1821.9	1805.9	1807.4	1816.1	1819.0
32.5°	1893.4	1897.7	1886.1	1873.0	1928.3	1972.1	1905.0	1912.3	1916.7	1929.8	1940.0
35°	2034.7	2034.7	2008.5	1992.5	2026.0	2065.4	2030.4	2046.4	2072.6	2091.6	2100.3
37.5°	2193.6	2200.9	2164.5	2129.5	2165.9	2196.5	2195.1	2235.9	2288.4	2352.5	2339.4
40°	2460.3	2461.8	2399.1	2345.2	2356.9	2409.3	2448.7	2524.5	2600.3	2674.6	2670.2
42.5°	2824.7	2802.9	2751.9	2683.4	2674.6	2699.4	2786.8	2865.5	2966.1	3020.0	3031.7
45°	3211.0	3206.6	3136.7	3027.3	2999.6	3001.1	3075.4	3187.7	3299.9	3356.7	3365.5
47.5°	3629.3	3627.8	3520.0	3410.7	3330.5	3301.4	3365.5	3477.7	3595.8	3665.7	3659.9
50°	4070.9	4053.5	3952.9	3810.0	3702.2	3633.7	3668.7	3788.2	3890.2	3958.7	3958.7
52.5°	4515.5	4496.5	4400.4	4234.2	4066.6	3973.3	3957.3	4068.0	4191.9	4266.3	4264.8
55°	5009.6	4971.7	4858.0	4680.2	4486.3	4312.9	4273.5	4361.0	4514.0	4603.0	4632.1
57.5°	5481.9	5457.1	5350.7	5153.9	4935.3	4694.8	4626.3	4734.1	4890.1	4987.7	5014.0
60°	5959.9	5923.5	5831.7	5685.9	5449.8	5209.3	5100.0	5164.1	5336.1	5445.4	5425.0
62.5°	6486.1	6473.0	6395.7	6260.2	6117.3	5850.6	5681.5	5747.1	5927.9	6016.8	5983.3
65°	6891.3	6910.3	6933.6	6949.6	6910.3	6706.2	6515.3	6592.5	6663.9	6672.7	6621.7
67.5°	6577.9	6662.5	6837.4	7213.4	7652.1	7806.7	7429.1	6914.6	6642.1	6576.5	6497.8
70°	6018.2	6040.1	6299.5	6920.5	8012.2	8335.7	7742.5	6729.5	6312.7	6129.0	6089.7
72.5°	5241.4	5359.4	5671.3	6503.6	7754.2	8133.1	7566.2	6328.7	5706.3	5465.8	5417.7
75°	4331.8	4487.8	4849.3	5804.0	7121.6	7538.5	7023.9	5595.5	4811.4	4563.6	4550.5
77.5°	3212.4	3278.0	3796.9	4777.9	6319.9	6760.1	6194.6	4623.4	3842.1	3447.1	3461.7
80°	1781.1	1858.4	2364.1	3292.6	4808.5	5285.1	4713.7	3330.5	2550.7	2237.3	2214.0
82.5°	784.2	843.9	1189.4	1858.4	2986.5	3400.5	2823.3	1759.3	1185.0	896.4	862.9
85°	234.7	259.4	409.6	744.8	1425.5	1408.0	900.8	403.7	161.8	88.9	84.5
87.5°	55.4	61.2	110.8	170.5	182.2	68.5	32.1	27.7	27.7	27.7	27.7
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)