

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: P509554

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

Issue Date: 4/6/2021

Test Information

Test Method: LM-79-08
Report Number: P509554
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2102-155-8)
Test Lab: INNOVATION CENTER
Issue Date: 4/6/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: VERD-G-CA2-120-730-U-T5
Description: VERDEON-G 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: 17911 lumens
Efficiency: N/A
Efficacy: 143.6 lumens/watt
Luminous Opening: Rectangular (W 0.9' x L: 1.25' x H: 0')
IES Classification: Type V - Short
BUG Rating: B4 - U0 - G3

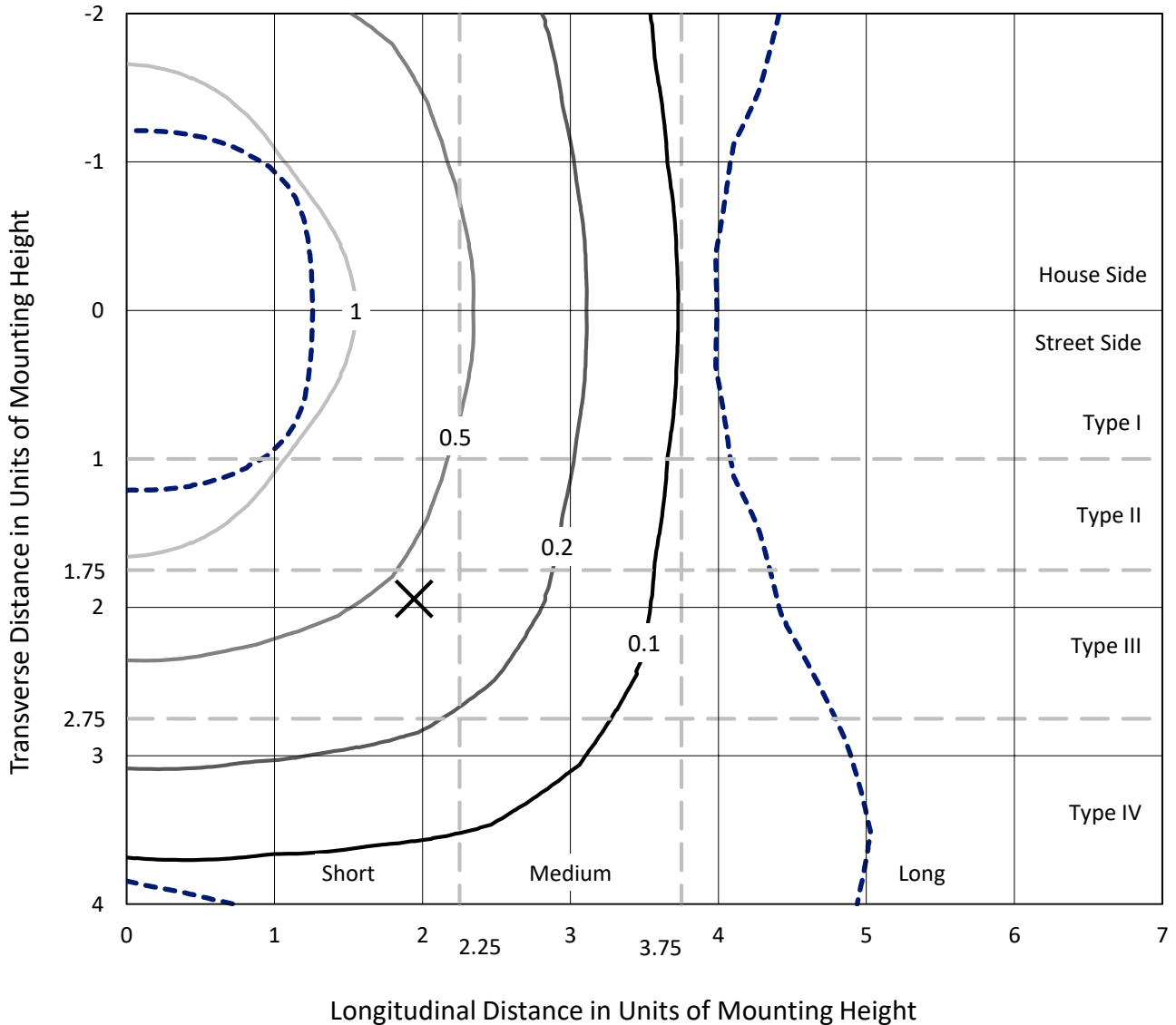
Input Watts (W): 124.7
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

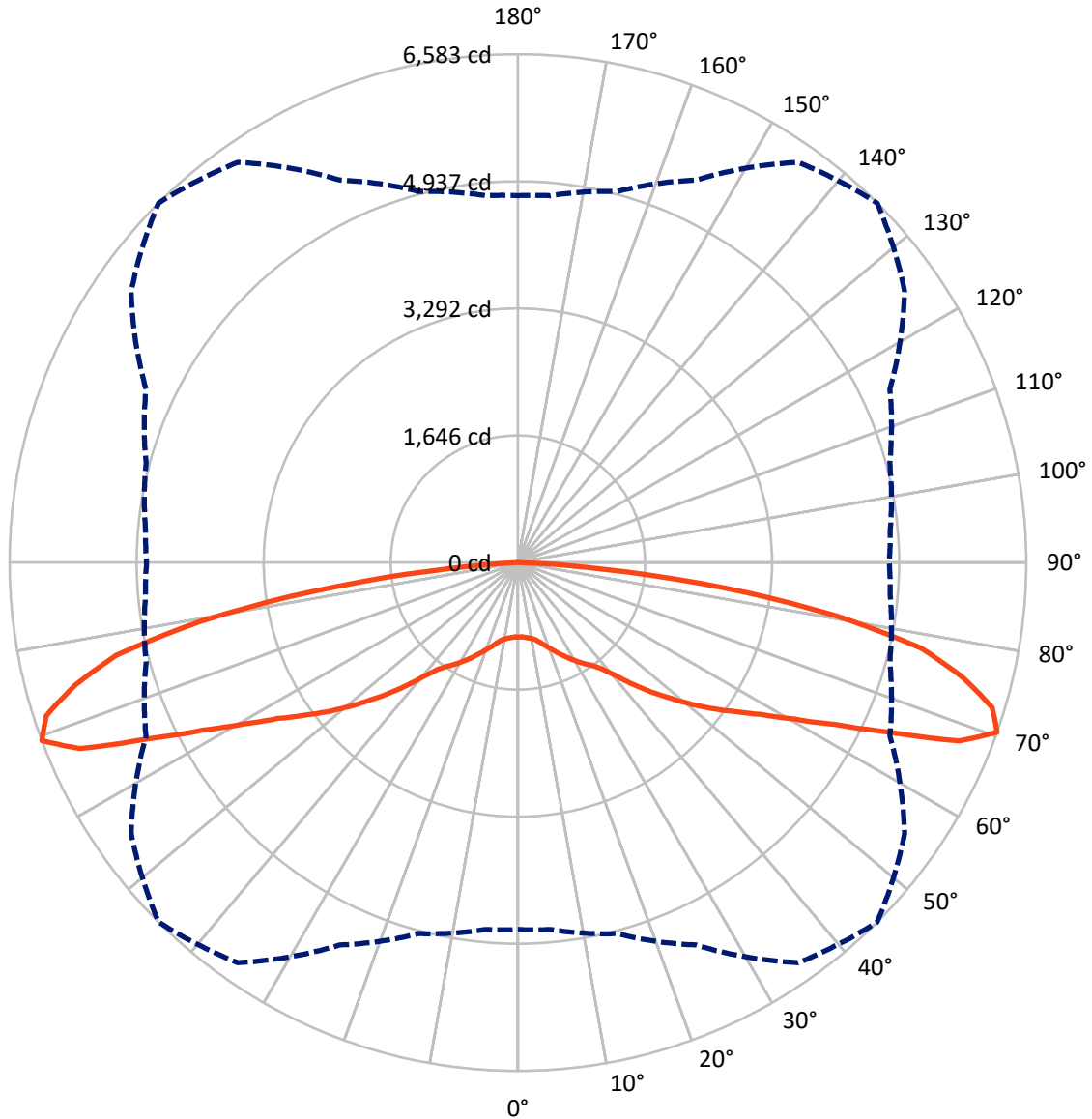
✕ Max cd
 - - - 1/2 Max cd



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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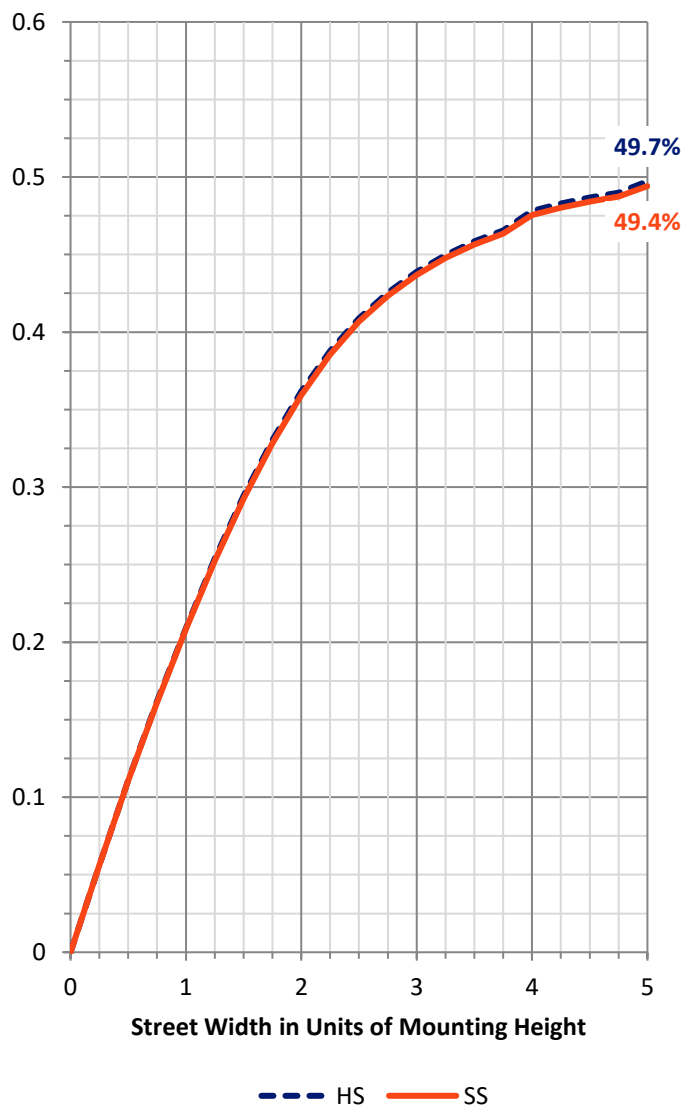
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	8955.5	0.0	8955.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	8955.5	0.0	8955.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	17911.0	0.0	17911.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	94.0	0.5
10°-20°	307.7	1.7
20°-30°	605.4	3.4
30°-40°	1036.8	5.8
40°-50°	1934.3	10.8
50°-60°	3266.0	18.2
60°-70°	5122.1	28.6
70°-80°	4623.8	25.8
80°-90°	920.8	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°	17911.0	100.0
0°-180°	17911.0	100.0

Coefficient of Utilization



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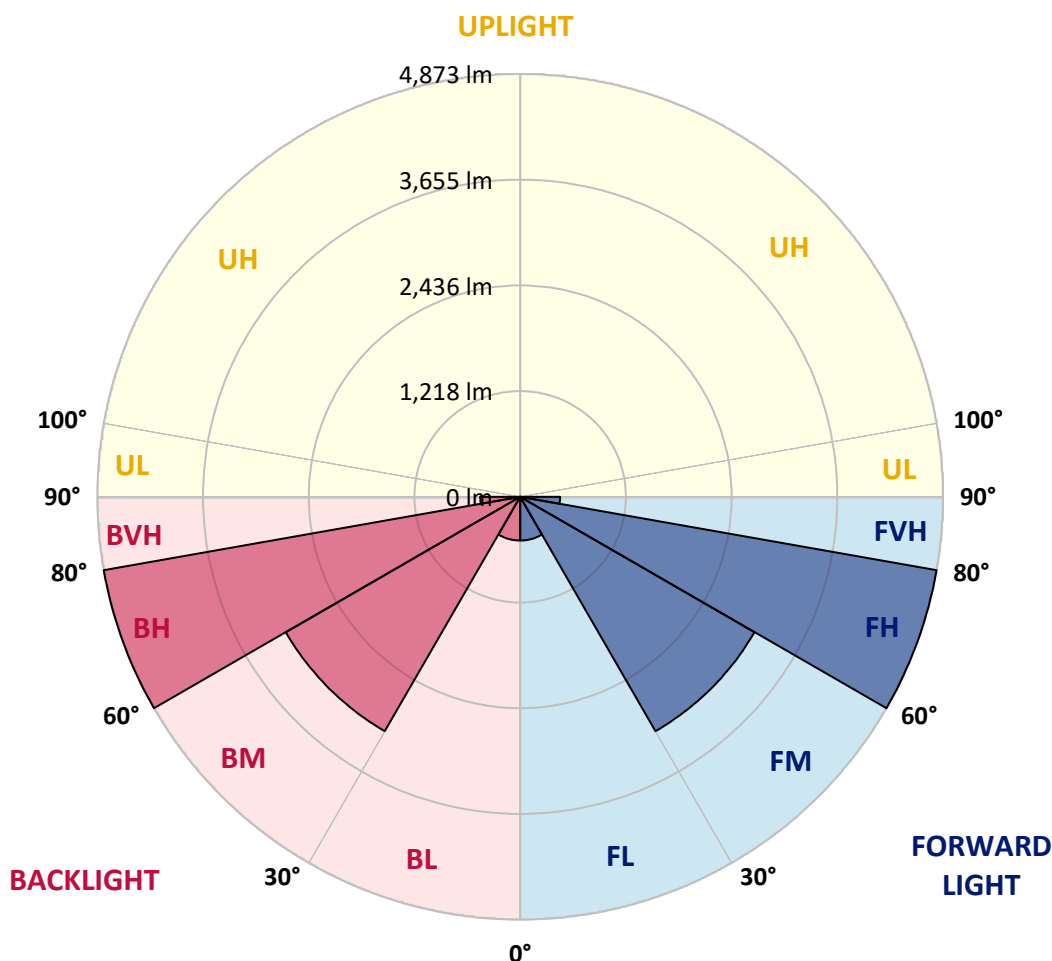
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	503.6	2.8			
FM	(30°-60°)	3118.5	17.4			
FH	(60°-80°)	4873.0	27.2			G2/5000
FVH	(80°-90°)	460.4	2.6			G3/500
BL	(0°-30°)	503.6	2.8	B2/1000		
BM	(30°-60°)	3118.5	17.4	B3/5000		
BH	(60°-80°)	4873.0	27.2	B4/5000		G2/5000
BVH	(80°-90°)	460.4	2.6			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°	964.6	964.6	964.6	964.6	964.6	964.6	964.6	964.6	964.6	964.6	964.6
2.5°	980.8	980.8	970.4	964.6	965.8	962.3	962.3	961.2	964.6	964.6	961.2
5°	986.5	991.1	980.8	972.7	975.0	972.7	971.5	972.7	978.5	980.8	976.1
7.5°	998.0	1002.6	990.0	980.8	984.2	985.4	980.8	984.2	987.7	990.0	984.2
10°	1016.4	1017.6	1009.5	996.9	1002.6	1000.3	999.2	996.9	998.0	999.2	998.0
12.5°	1042.9	1038.3	1029.1	1025.6	1031.4	1026.8	1021.0	1019.9	1024.5	1021.0	1024.5
15°	1076.3	1072.8	1071.7	1068.2	1077.4	1071.7	1069.4	1065.9	1069.4	1062.5	1067.1
17.5°	1113.1	1117.7	1118.9	1122.3	1130.4	1129.2	1121.2	1118.9	1120.0	1113.1	1113.1
20°	1167.2	1169.5	1173.0	1174.1	1188.0	1185.7	1176.4	1168.4	1170.7	1159.2	1155.7
22.5°	1228.2	1228.2	1227.1	1236.3	1254.7	1254.7	1235.2	1225.9	1229.4	1221.3	1214.4
25°	1288.1	1288.1	1283.5	1296.2	1324.9	1323.8	1304.2	1287.0	1292.7	1288.1	1287.0
27.5°	1350.3	1350.3	1343.4	1348.0	1397.5	1400.9	1373.3	1357.2	1356.0	1360.6	1360.6
30°	1418.2	1414.7	1409.0	1403.2	1459.6	1476.9	1438.9	1426.2	1427.4	1434.3	1436.6
32.5°	1495.3	1498.8	1489.5	1479.2	1522.9	1557.5	1504.5	1510.3	1513.7	1524.1	1532.1
35°	1607.0	1607.0	1586.2	1573.6	1600.1	1631.1	1603.5	1616.2	1636.9	1651.9	1658.8
37.5°	1732.4	1738.2	1709.4	1681.8	1710.6	1734.7	1733.6	1765.8	1807.3	1857.9	1847.5
40°	1943.1	1944.2	1894.7	1852.1	1861.4	1902.8	1933.9	1993.7	2053.6	2112.3	2108.8
42.5°	2230.9	2213.6	2173.3	2119.2	2112.3	2131.9	2200.9	2263.1	2342.5	2385.1	2394.3
45°	2535.9	2532.5	2477.2	2390.9	2369.0	2370.2	2428.9	2517.5	2606.1	2651.0	2657.9
47.5°	2866.3	2865.1	2780.0	2693.6	2630.3	2607.3	2657.9	2746.6	2839.8	2895.1	2890.5
50°	3215.1	3201.3	3121.8	3009.0	2923.8	2869.7	2897.4	2991.8	3072.3	3126.4	3126.4
52.5°	3566.2	3551.2	3475.2	3344.0	3211.6	3137.9	3125.3	3212.8	3310.6	3369.3	3368.2
55°	3956.4	3926.5	3836.7	3696.2	3543.1	3406.2	3375.1	3444.1	3565.0	3635.2	3658.3
57.5°	4329.4	4309.8	4225.8	4070.4	3897.7	3707.8	3653.7	3738.8	3862.0	3939.1	3959.8
60°	4706.9	4678.1	4605.6	4490.5	4304.0	4114.1	4027.8	4078.4	4214.2	4300.6	4284.5
62.5°	5122.5	5112.1	5051.1	4944.1	4831.2	4620.6	4487.1	4538.9	4681.6	4751.8	4725.3
65°	5442.5	5457.5	5475.9	5488.5	5457.5	5296.3	5145.5	5206.5	5262.9	5269.8	5229.5
67.5°	5195.0	5261.8	5399.9	5696.9	6043.4	6165.4	5867.3	5460.9	5245.6	5193.8	5131.7
70°	4753.0	4770.2	4975.1	5465.5	6327.7	6583.2	6114.7	5314.7	4985.5	4840.5	4809.4
72.5°	4139.4	4232.7	4479.0	5136.3	6124.0	6423.2	5975.5	4998.2	4506.6	4316.7	4278.7
75°	3421.1	3544.3	3829.8	4583.8	5624.4	5953.6	5547.2	4419.1	3799.8	3604.2	3593.8
77.5°	2537.1	2588.9	2998.7	3773.4	4991.3	5338.9	4892.3	3651.3	3034.3	2722.4	2733.9
80°	1406.7	1467.7	1867.1	2600.4	3797.5	4174.0	3722.7	2630.3	2014.5	1767.0	1748.5
82.5°	619.3	666.5	939.3	1467.7	2358.6	2685.6	2229.7	1389.4	935.9	707.9	681.5
85°	185.3	204.9	323.5	588.2	1125.8	1112.0	711.4	318.9	127.8	70.2	66.8
87.5°	43.7	48.3	87.5	134.7	143.9	54.1	25.3	21.9	21.9	21.9	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)