

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: P553518

Luminaire Tested: **VERD-G-CA2-140-730-U-T5**

Issue Date: 7/12/2021

Test Information

Test Method: LM-79-08
Report Number: P553518
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-CA2-140-730-U-T5
Description: VERDEON-G ROADWAY AND AREA LUMINAIRE
(2) 70 CRI, 3000K, 1290mA LEDS AND TYPE V OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 20733 lumens
Efficiency: N/A
Efficacy: 145.6 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

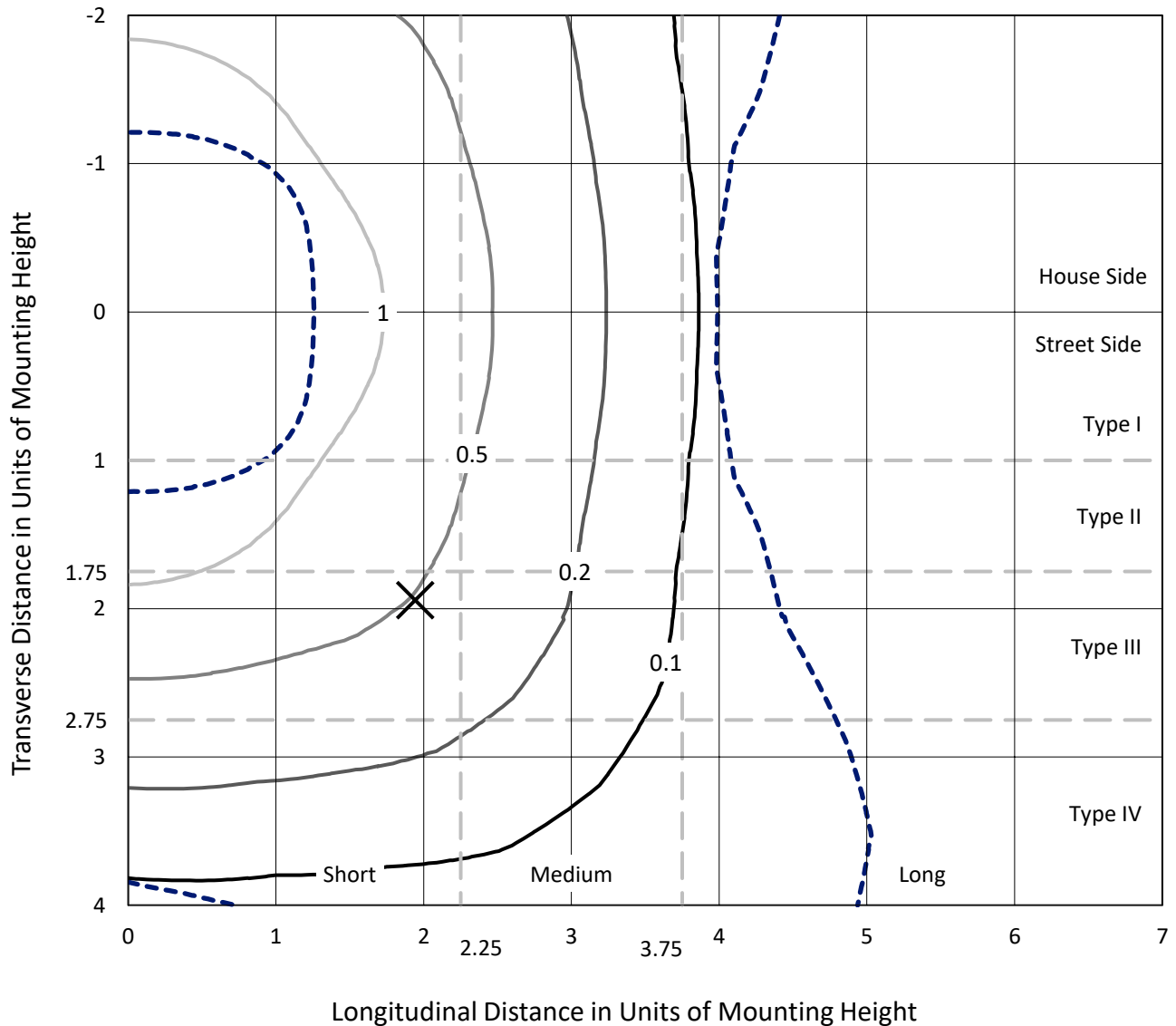
Input Watts (W): 142.4
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

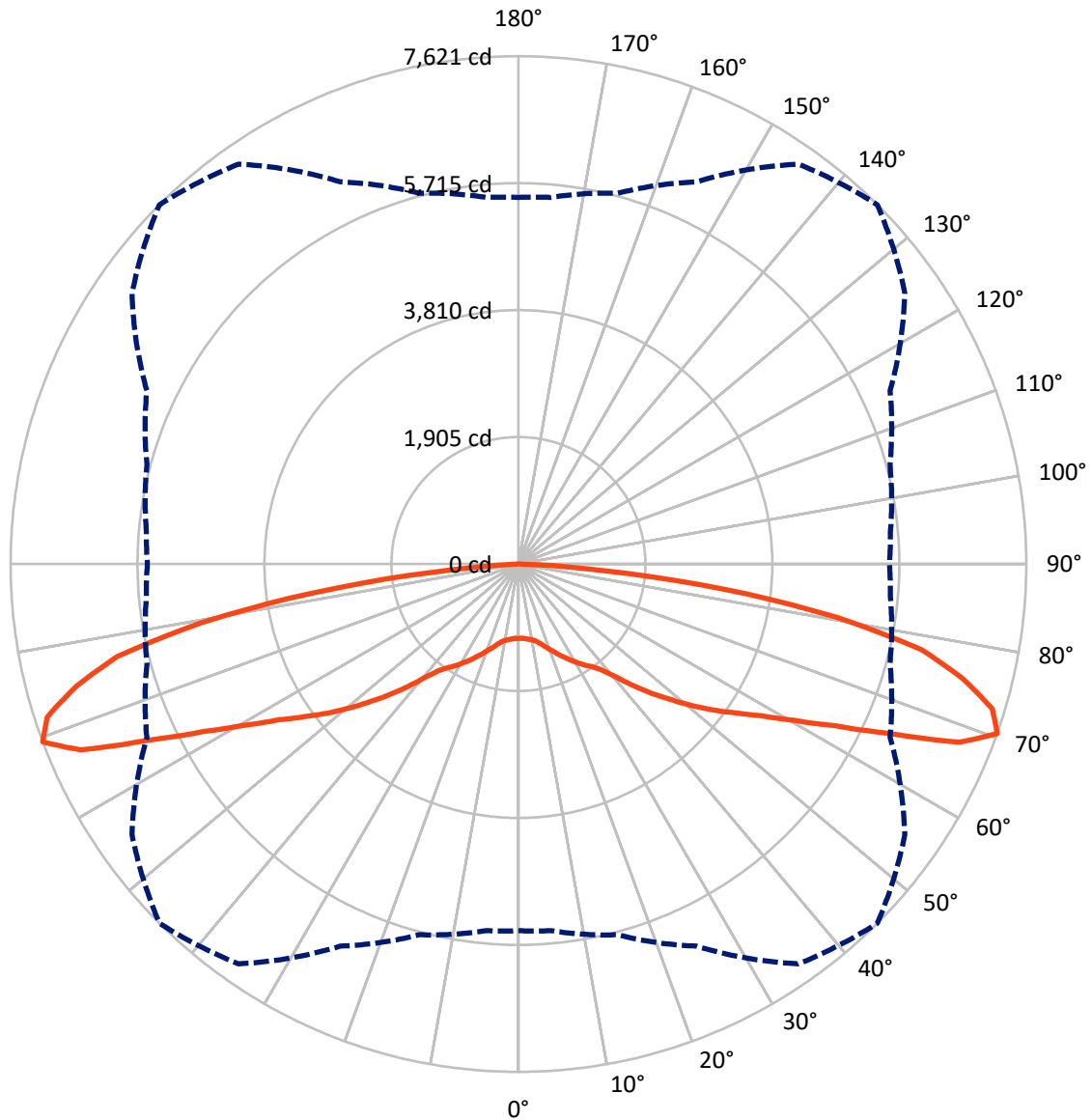
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.8 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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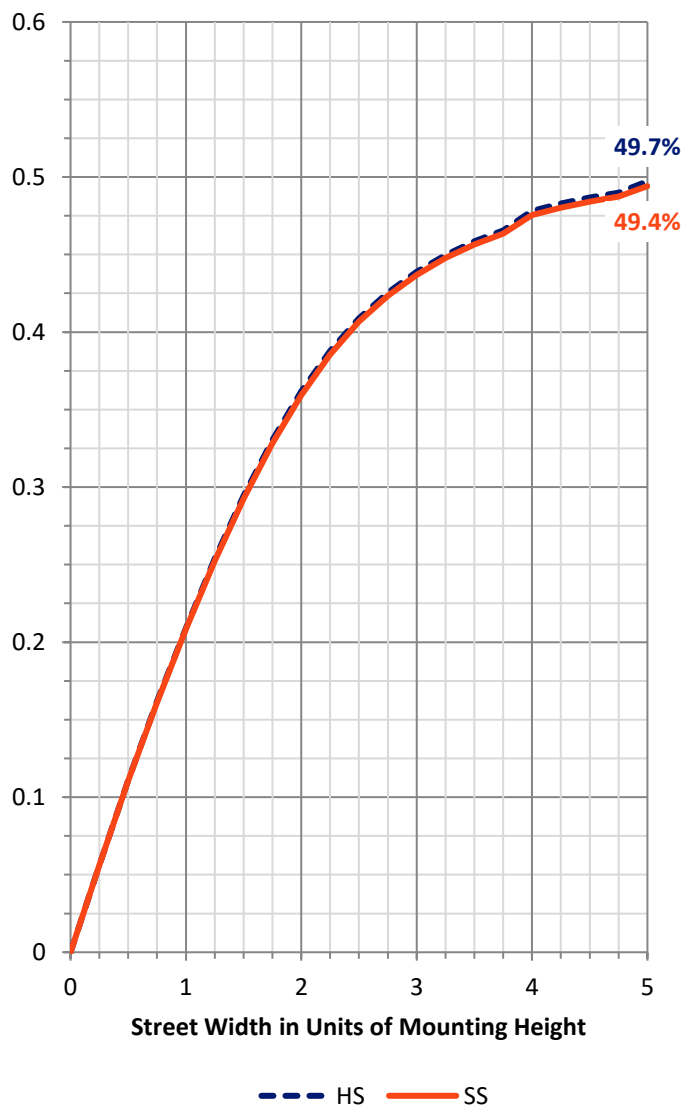
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	10366.5	0.0	10366.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	10366.5	0.0	10366.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	20733.0	0.0	20733.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	108.8	0.5
10°-20°	356.2	1.7
20°-30°	700.8	3.4
30°-40°	1200.1	5.8
40°-50°	2239.1	10.8
50°-60°	3780.6	18.2
60°-70°	5929.1	28.6
70°-80°	5352.3	25.8
80°-90°	1065.9	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°	20733.0	100.0
0°-180°	20733.0	100.0

Coefficient of Utilization



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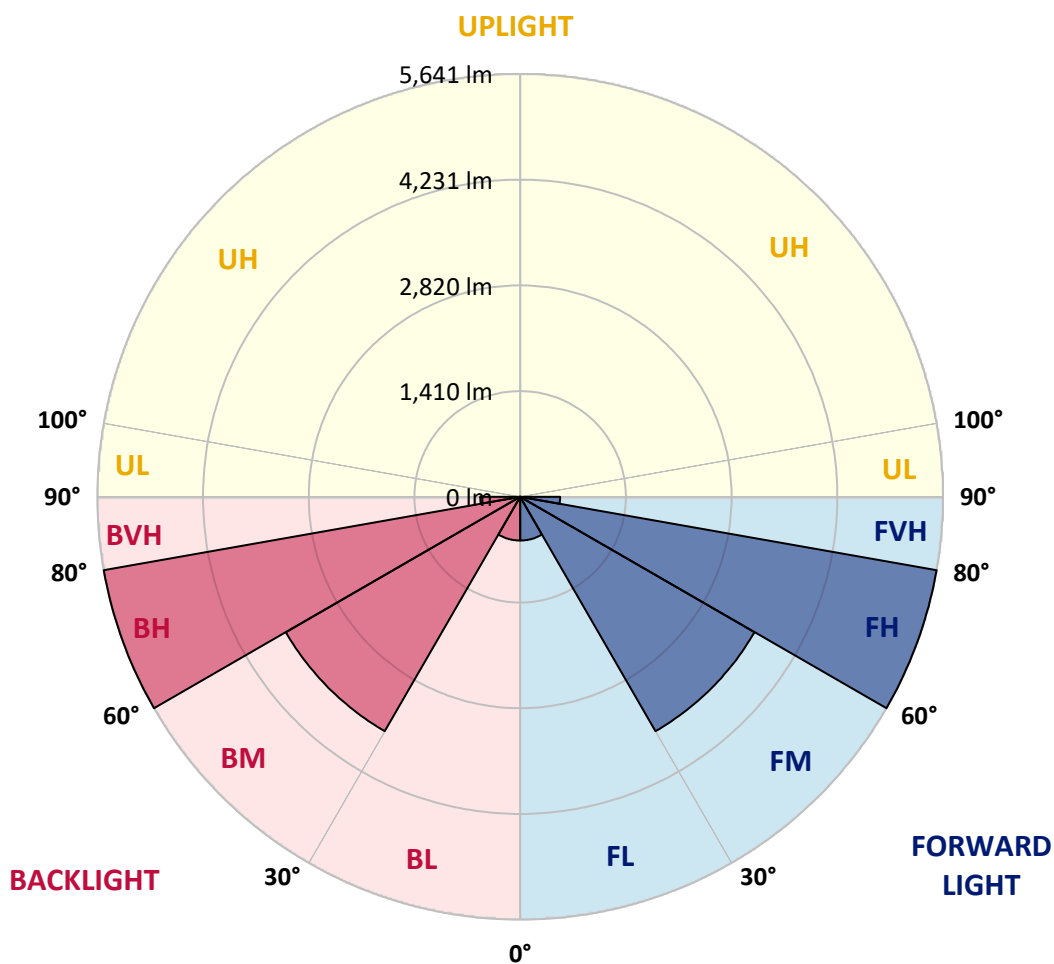
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	582.9	2.8			
FM	(30°-60°)	3609.9	17.4			
FH	(60°-80°)	5640.7	27.2			G3/7500
FVH	(80°-90°)	533.0	2.6			G4/750
BL	(0°-30°)	582.9	2.8	B2/1000		
BM	(30°-60°)	3609.9	17.4	B3/5000		
BH	(60°-80°)	5640.7	27.2	B5		G3/7500
BVH	(80°-90°)	533.0	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°	1116.6	1116.6	1116.6	1116.6	1116.6	1116.6	1116.6	1116.6	1116.6	1116.6	1116.6
2.5°	1135.3	1135.3	1123.3	1116.6	1118.0	1114.0	1114.0	1112.6	1116.6	1116.6	1112.6
5°	1141.9	1147.3	1135.3	1126.0	1128.6	1126.0	1124.6	1126.0	1132.6	1135.3	1129.9
7.5°	1155.3	1160.6	1145.9	1135.3	1139.3	1140.6	1135.3	1139.3	1143.3	1145.9	1139.3
10°	1176.6	1177.9	1168.6	1153.9	1160.6	1157.9	1156.6	1153.9	1155.3	1156.6	1155.3
12.5°	1207.2	1201.9	1191.2	1187.2	1193.9	1188.6	1181.9	1180.6	1185.9	1181.9	1185.9
15°	1245.9	1241.9	1240.5	1236.5	1247.2	1240.5	1237.9	1233.9	1237.9	1229.9	1235.2
17.5°	1288.5	1293.8	1295.2	1299.2	1308.5	1307.2	1297.8	1295.2	1296.5	1288.5	1288.5
20°	1351.1	1353.8	1357.8	1359.1	1375.1	1372.5	1361.8	1352.5	1355.1	1341.8	1337.8
22.5°	1421.8	1421.8	1420.4	1431.1	1452.4	1452.4	1429.8	1419.1	1423.1	1413.8	1405.8
25°	1491.1	1491.1	1485.7	1500.4	1533.7	1532.4	1509.7	1489.7	1496.4	1491.1	1489.7
27.5°	1563.0	1563.0	1555.0	1560.3	1617.6	1621.6	1589.7	1571.0	1569.7	1575.0	1575.0
30°	1641.6	1637.6	1631.0	1624.3	1689.6	1709.6	1665.6	1650.9	1652.3	1660.3	1662.9
32.5°	1730.9	1734.9	1724.2	1712.2	1762.9	1802.9	1741.6	1748.2	1752.2	1764.2	1773.5
35°	1860.1	1860.1	1836.2	1821.5	1852.2	1888.1	1856.2	1870.8	1894.8	1912.1	1920.1
37.5°	2005.4	2012.1	1978.7	1946.8	1980.1	2008.1	2006.7	2044.0	2092.0	2150.6	2138.6
40°	2249.2	2250.6	2193.3	2144.0	2154.6	2202.6	2238.6	2307.9	2377.2	2445.1	2441.1
42.5°	2582.4	2562.4	2515.7	2453.1	2445.1	2467.8	2547.7	2619.7	2711.6	2760.9	2771.6
45°	2935.5	2931.5	2867.5	2767.6	2742.3	2743.6	2811.5	2914.1	3016.7	3068.7	3076.7
47.5°	3317.9	3316.6	3218.0	3118.0	3044.7	3018.1	3076.7	3179.3	3287.2	3351.2	3345.9
50°	3721.6	3705.6	3613.7	3483.1	3384.5	3321.9	3353.9	3463.1	3556.4	3619.0	3619.0
52.5°	4128.0	4110.7	4022.8	3870.9	3717.6	3632.4	3617.7	3719.0	3832.2	3900.2	3898.9
55°	4579.8	4545.1	4441.2	4278.6	4101.4	3942.8	3906.8	3986.8	4126.7	4208.0	4234.6
57.5°	5011.5	4988.8	4891.6	4711.7	4511.8	4291.9	4229.3	4327.9	4470.5	4559.8	4583.7
60°	5448.5	5415.2	5331.3	5198.0	4982.2	4762.3	4662.4	4721.0	4878.2	4978.2	4959.5
62.5°	5929.6	5917.6	5846.9	5723.0	5592.4	5348.6	5194.0	5254.0	5419.2	5500.5	5469.9
65°	6300.0	6317.3	6338.6	6353.3	6317.3	6130.8	5956.2	6026.8	6092.1	6100.1	6053.5
67.5°	6013.5	6090.8	6250.7	6594.5	6995.5	7136.8	6791.7	6321.3	6072.1	6012.2	5940.2
70°	5501.8	5521.8	5759.0	6326.6	7324.7	7620.5	7078.2	6152.1	5771.0	5603.1	5567.1
72.5°	4791.6	4899.5	5184.7	5945.5	7088.8	7435.3	6916.9	5785.7	5216.7	4996.8	4952.8
75°	3960.1	4102.7	4433.2	5306.0	6510.5	6891.6	6421.2	5115.4	4398.5	4172.0	4160.0
77.5°	2936.8	2996.8	3471.1	4367.9	5777.7	6180.1	5663.1	4226.6	3512.4	3151.3	3164.7
80°	1628.3	1698.9	2161.3	3010.1	4395.9	4831.6	4309.3	3044.7	2331.8	2045.4	2024.0
82.5°	716.9	771.5	1087.3	1698.9	2730.3	3108.7	2581.0	1608.3	1083.3	819.5	788.8
85°	214.5	237.2	374.4	680.9	1303.2	1287.2	823.5	369.1	147.9	81.3	77.3
87.5°	50.6	56.0	101.3	155.9	166.6	62.6	29.3	25.3	25.3	25.3	25.3
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)