

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: P553638

Luminaire Tested: **VERD-G-CA2-160-760-U-T5**

Issue Date: 7/12/2021

Test Information

Test Method: LM-79-08
Report Number: P553638
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-CA2-160-760-U-T5
Description: VERDEON-G ROADWAY AND AREA LUMINAIRE
(2) 70 CRI, 5700K, 1460mA LEDS AND TYPE V OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 23338 lumens
Efficiency: N/A
Efficacy: 143.5 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): 162.6
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

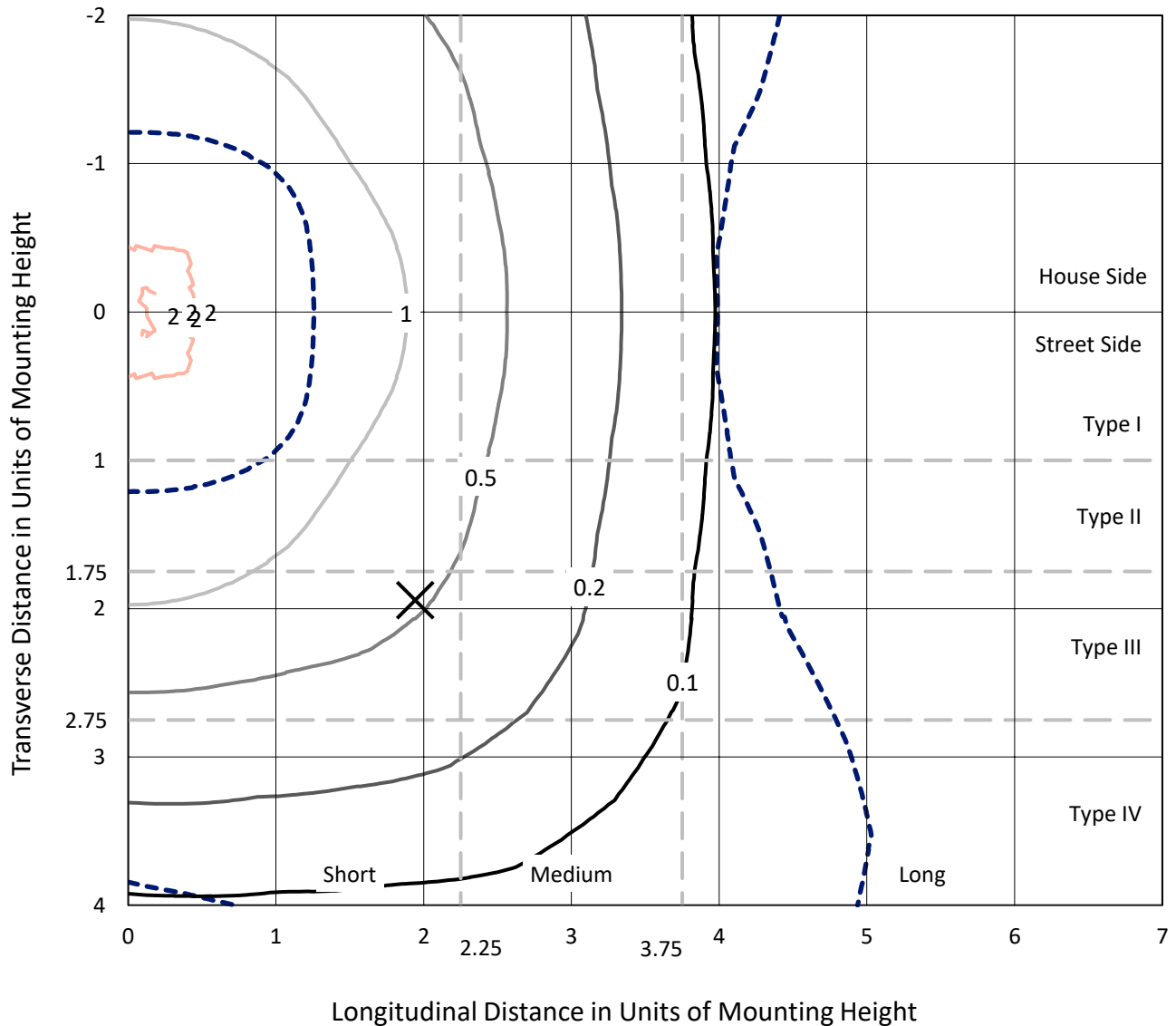


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Iso-Footcandle Lines of Horizontal Illumination

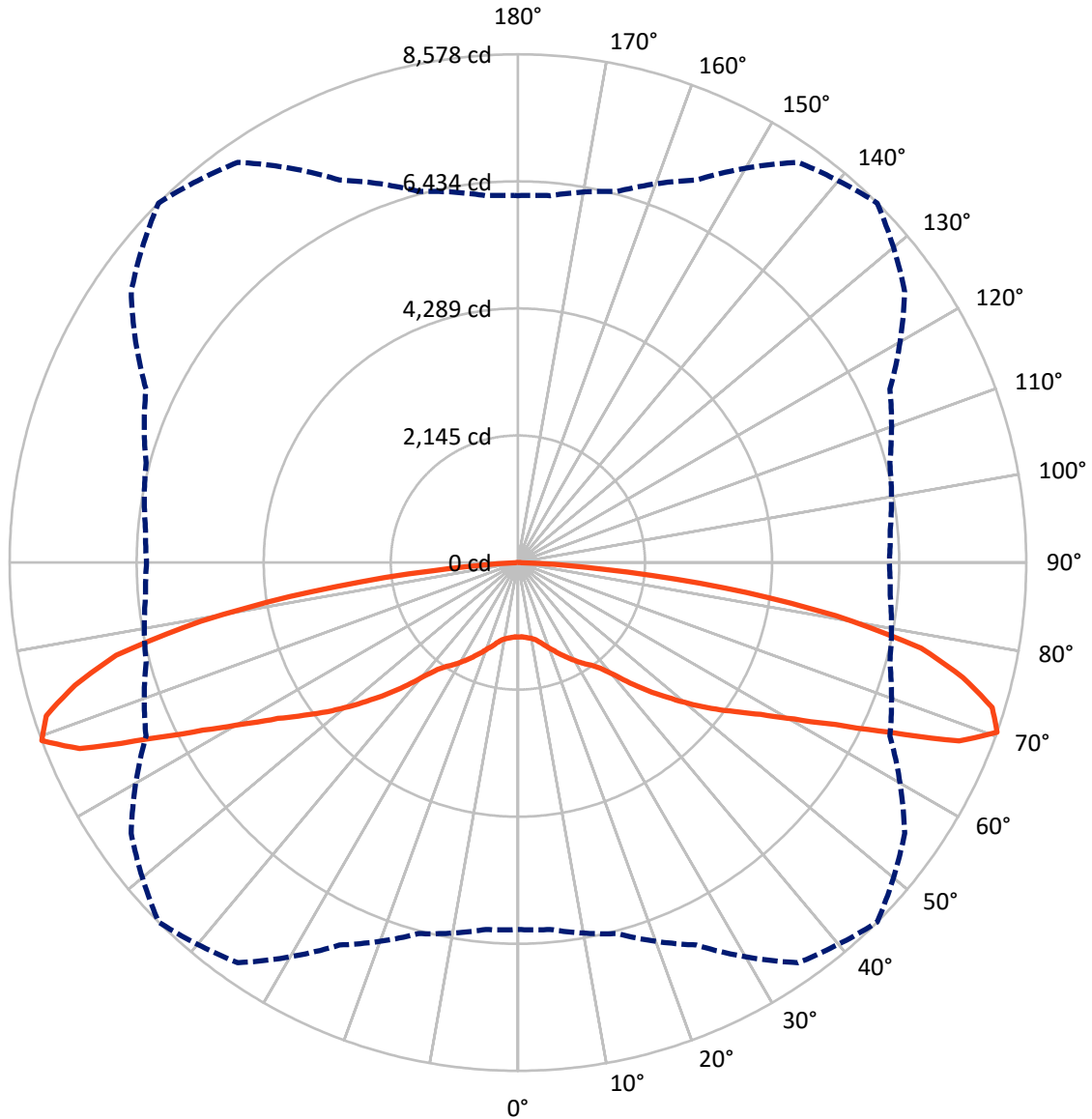
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.1 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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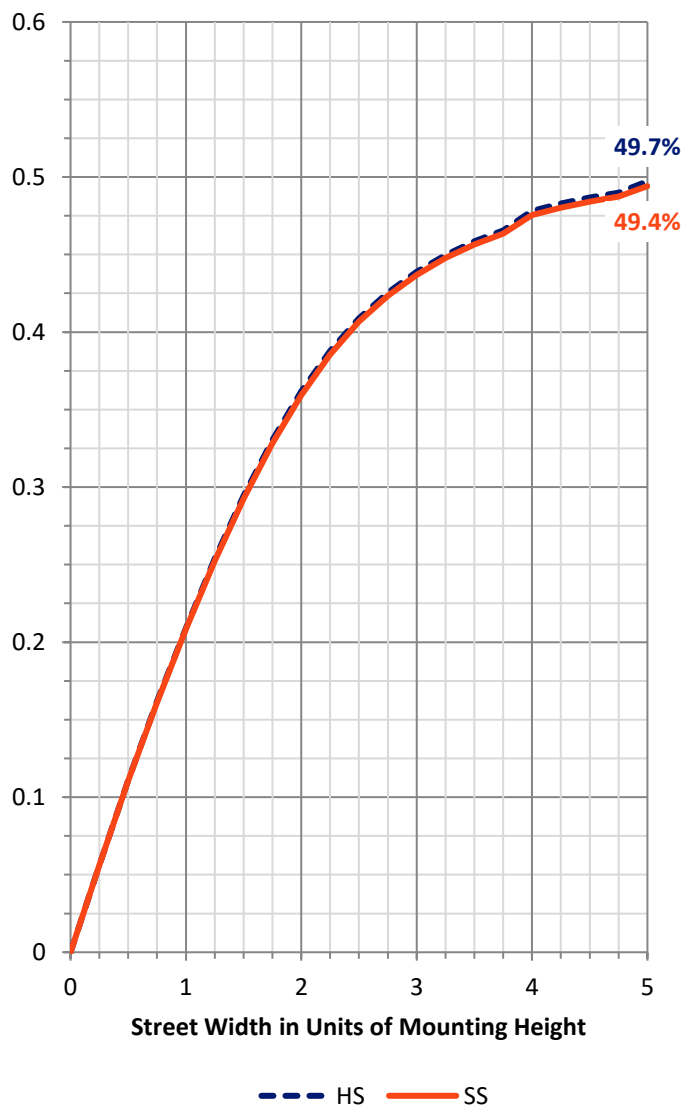
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	11669.0	0.0	11669.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	11669.0	0.0	11669.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	23338.0	0.0	23338.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	122.5	0.5
10°-20°	401.0	1.7
20°-30°	788.9	3.4
30°-40°	1350.9	5.8
40°-50°	2520.4	10.8
50°-60°	4255.6	18.2
60°-70°	6674.1	28.6
70°-80°	6024.9	25.8
80°-90°	1199.8	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°	23338.0	100.0
0°-180°	23338.0	100.0

Coefficient of Utilization



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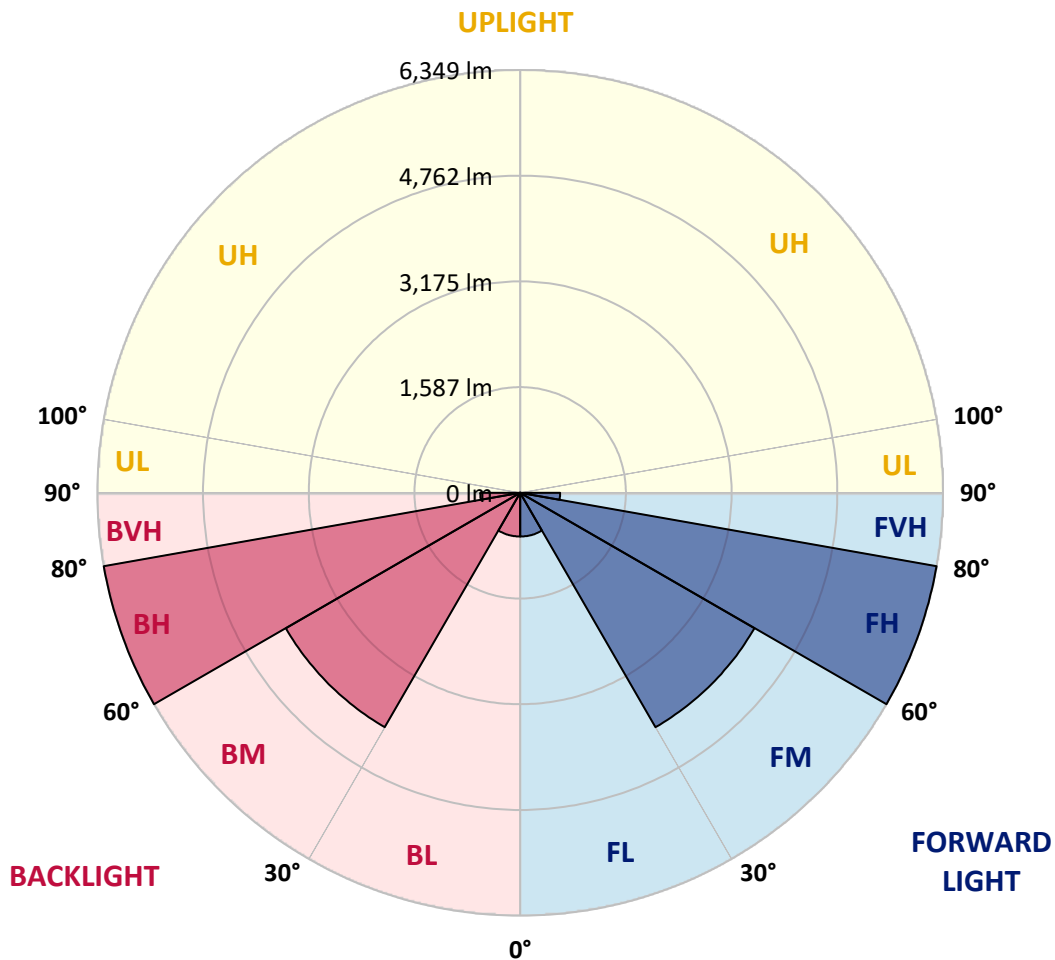
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	656.1	2.8			
FM	(30°-60°)	4063.5	17.4			
FH	(60°-80°)	6349.5	27.2			G3/7500
FVH	(80°-90°)	599.9	2.6			G4/750
BL	(0°-30°)	656.1	2.8	B2/1000		
BM	(30°-60°)	4063.5	17.4	B3/5000		
BH	(60°-80°)	6349.5	27.2	B5		G3/7500
BVH	(80°-90°)	599.9	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°	1256.9	1256.9	1256.9	1256.9	1256.9	1256.9	1256.9	1256.9	1256.9	1256.9	1256.9
2.5°	1277.9	1277.9	1264.4	1256.9	1258.4	1253.9	1253.9	1252.4	1256.9	1256.9	1252.4
5°	1285.4	1291.4	1277.9	1267.4	1270.4	1267.4	1265.9	1267.4	1274.9	1277.9	1271.9
7.5°	1300.4	1306.4	1289.9	1277.9	1282.4	1283.9	1277.9	1282.4	1286.9	1289.9	1282.4
10°	1324.4	1325.9	1315.4	1298.9	1306.4	1303.4	1301.9	1298.9	1300.4	1301.9	1300.4
12.5°	1358.9	1352.9	1340.9	1336.4	1343.9	1337.9	1330.4	1328.9	1334.9	1330.4	1334.9
15°	1402.4	1397.9	1396.4	1391.9	1403.9	1396.4	1393.4	1388.9	1393.4	1384.4	1390.4
17.5°	1450.4	1456.4	1457.9	1462.4	1472.9	1471.4	1460.9	1457.9	1459.4	1450.4	1450.4
20°	1520.9	1523.9	1528.4	1529.9	1547.9	1544.9	1532.9	1522.4	1525.4	1510.4	1505.9
22.5°	1600.4	1600.4	1598.9	1610.9	1634.9	1634.9	1609.4	1597.4	1601.9	1591.4	1582.4
25°	1678.4	1678.4	1672.4	1688.9	1726.4	1724.9	1699.4	1676.9	1684.4	1678.4	1676.9
27.5°	1759.4	1759.4	1750.4	1756.4	1820.9	1825.4	1789.4	1768.4	1766.9	1772.9	1772.9
30°	1847.9	1843.4	1835.9	1828.4	1901.9	1924.4	1874.9	1858.4	1859.9	1868.9	1871.9
32.5°	1948.4	1952.9	1940.9	1927.4	1984.4	2029.4	1960.4	1967.9	1972.4	1985.9	1996.4
35°	2093.9	2093.9	2066.9	2050.4	2084.9	2125.4	2089.4	2105.9	2132.9	2152.4	2161.4
37.5°	2257.4	2264.9	2227.4	2191.4	2228.9	2260.4	2258.9	2300.9	2354.9	2420.8	2407.3
40°	2531.8	2533.3	2468.8	2413.3	2425.3	2479.3	2519.8	2597.8	2675.8	2752.3	2747.8
42.5°	2906.8	2884.3	2831.8	2761.3	2752.3	2777.8	2867.8	2948.8	3052.3	3107.8	3119.8
45°	3304.3	3299.8	3227.8	3115.3	3086.8	3088.3	3164.8	3280.3	3395.8	3454.3	3463.3
47.5°	3734.8	3733.3	3622.3	3509.8	3427.3	3397.3	3463.3	3578.8	3700.3	3772.3	3766.3
50°	4189.2	4171.2	4067.7	3920.8	3809.8	3739.3	3775.3	3898.3	4003.2	4073.7	4073.7
52.5°	4646.7	4627.2	4528.2	4357.2	4184.7	4088.7	4072.2	4186.2	4313.7	4390.2	4388.7
55°	5155.2	5116.2	4999.2	4816.2	4616.7	4438.2	4397.7	4487.7	4645.2	4736.7	4766.7
57.5°	5641.1	5615.6	5506.2	5303.7	5078.7	4831.2	4760.7	4871.7	5032.2	5132.7	5159.7
60°	6133.1	6095.6	6001.1	5851.1	5608.1	5360.7	5248.2	5314.2	5491.2	5603.6	5582.6
62.5°	6674.6	6661.1	6581.6	6442.1	6295.1	6020.6	5846.6	5914.1	6100.1	6191.6	6157.1
65°	7091.6	7111.1	7135.1	7151.5	7111.1	6901.1	6704.6	6784.1	6857.6	6866.6	6814.1
67.5°	6769.1	6856.1	7036.1	7423.0	7874.5	8033.5	7645.0	7115.6	6835.1	6767.6	6686.6
70°	6193.1	6215.6	6482.6	7121.6	8245.0	8578.0	7967.5	6925.1	6496.1	6307.1	6266.6
72.5°	5393.7	5515.2	5836.1	6692.6	7979.5	8369.5	7786.0	6512.6	5872.1	5624.6	5575.1
75°	4457.7	4618.2	4990.2	5972.6	7328.5	7757.5	7228.0	5758.1	4951.2	4696.2	4682.7
77.5°	3305.8	3373.3	3907.3	4916.7	6503.6	6956.6	6374.6	4757.7	3953.8	3547.3	3562.3
80°	1832.9	1912.4	2432.8	3388.3	4948.2	5438.7	4850.7	3427.3	2624.8	2302.4	2278.4
82.5°	806.9	868.4	1223.9	1912.4	3073.3	3499.3	2905.3	1810.4	1219.4	922.4	887.9
85°	241.5	267.0	421.5	766.5	1466.9	1448.9	926.9	415.5	166.5	91.5	87.0
87.5°	57.0	63.0	114.0	175.5	187.5	70.5	33.0	28.5	28.5	28.5	28.5
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)