

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: P553630

Luminaire Tested: **VERD-G-CA2-160-750-U-T5**

Issue Date: 7/12/2021

Test Information

Test Method: LM-79-08
Report Number: P553630
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-CA2-160-750-U-T5
Description: VERDEON-G ROADWAY AND AREA LUMINAIRE
(2) 70 CRI, 5000K, 1460mA LEDS AND TYPE V OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 23844 lumens
Efficiency: N/A
Efficacy: 146.6 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

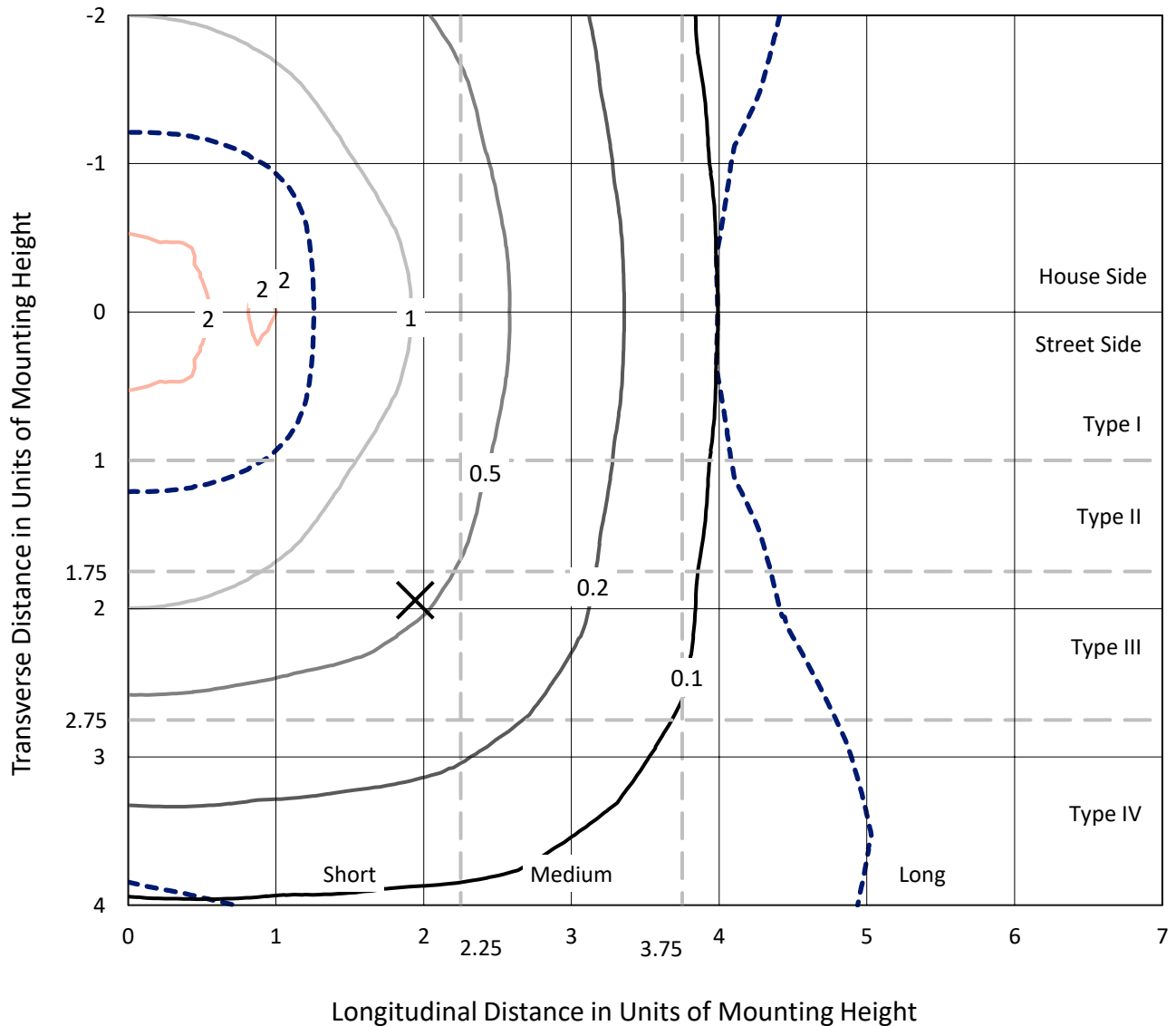
Input Watts (W): 162.6
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

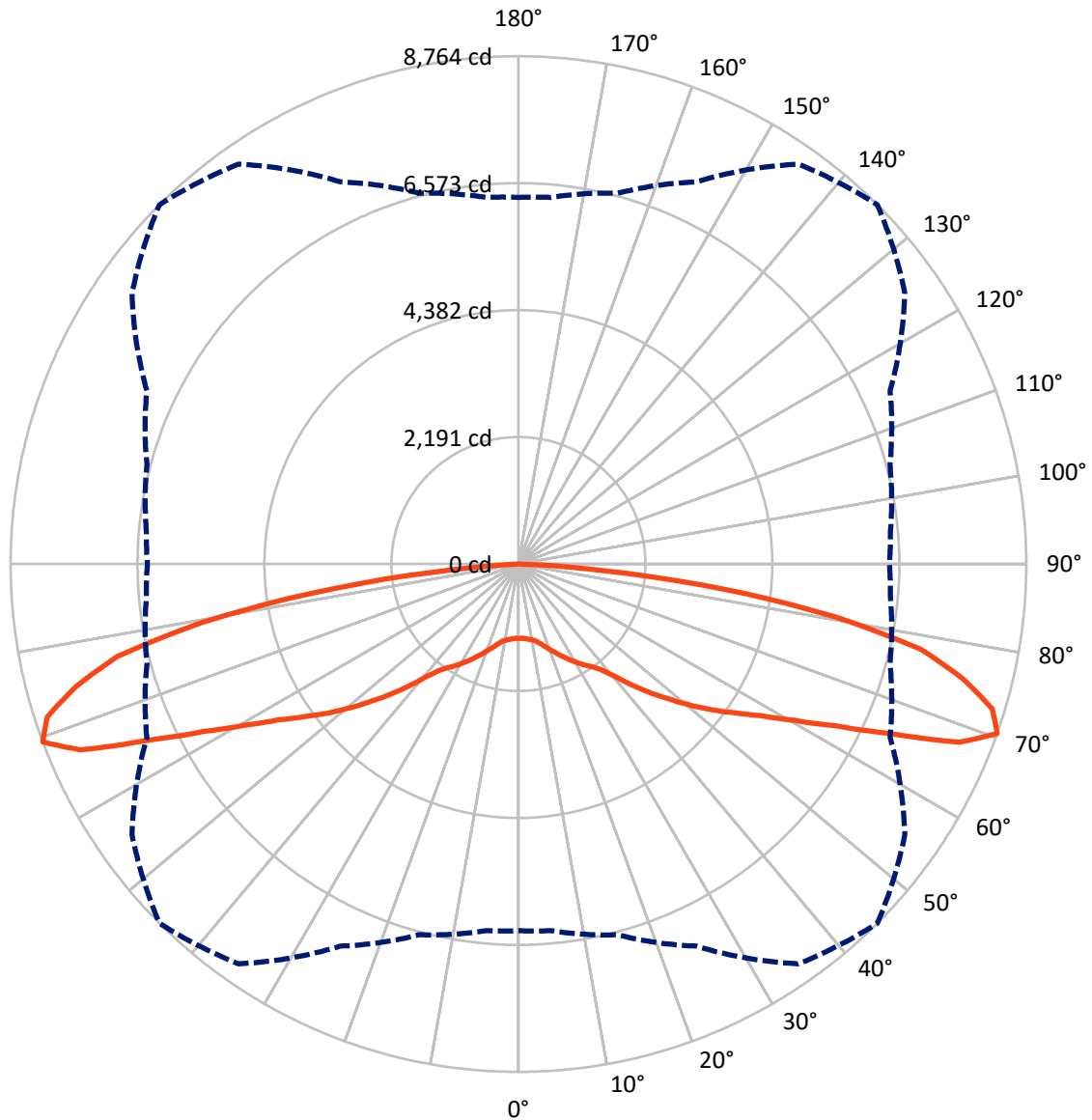
✕ Max cd
 - - - 1/2 Max cd



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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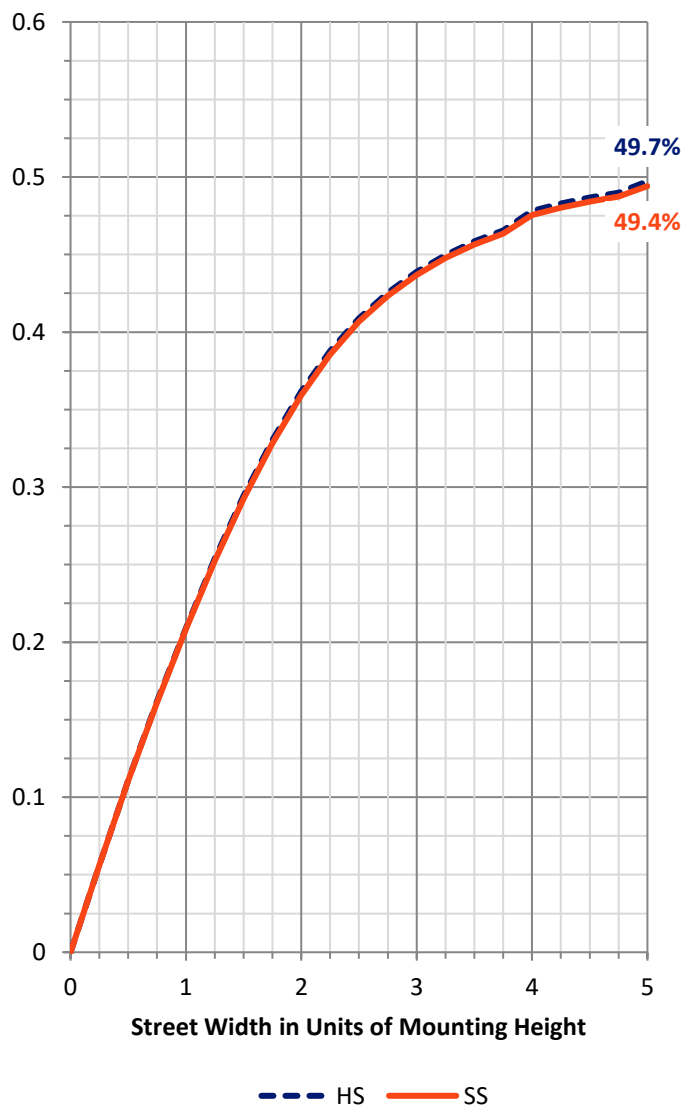
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	11922.0	0.0	11922.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	11922.0	0.0	11922.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	23844.0	0.0	23844.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	125.1	0.5
10°-20°	409.7	1.7
20°-30°	806.0	3.4
30°-40°	1380.2	5.8
40°-50°	2575.1	10.8
50°-60°	4347.9	18.2
60°-70°	6818.8	28.6
70°-80°	6155.5	25.8
80°-90°	1225.9	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°	23844.0	100.0
0°-180°	23844.0	100.0

Coefficient of Utilization



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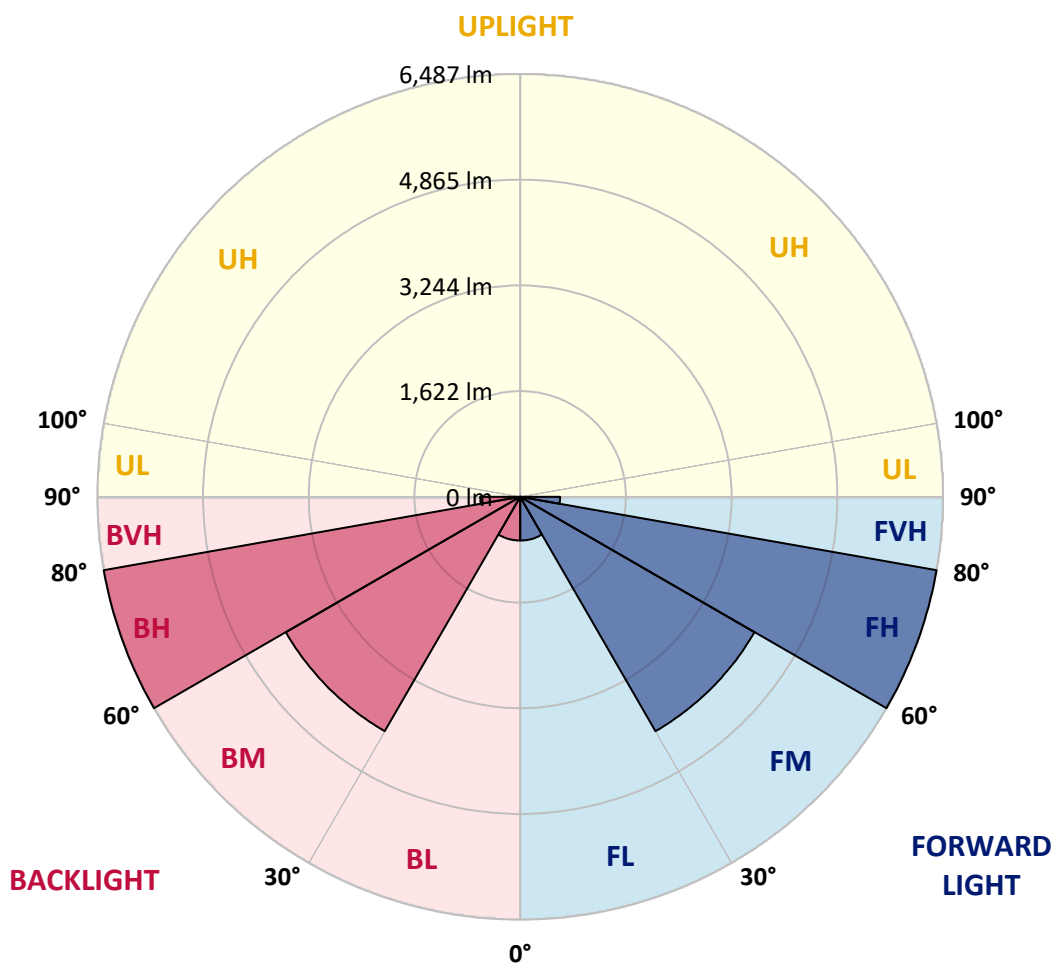
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	670.4	2.8			
FM (30°-60°)	4151.6	17.4			
FH (60°-80°)	6487.1	27.2			G3/7500
FVH (80°-90°)	612.9	2.6			G4/750
BL (0°-30°)	670.4	2.8	B2/1000		
BM (30°-60°)	4151.6	17.4	B3/5000		
BH (60°-80°)	6487.1	27.2	B5		G3/7500
BVH (80°-90°)	612.9	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°	1284.2	1284.2	1284.2	1284.2	1284.2	1284.2	1284.2	1284.2	1284.2	1284.2	1284.2
2.5°	1305.6	1305.6	1291.8	1284.2	1285.7	1281.1	1281.1	1279.6	1284.2	1284.2	1279.6
5°	1313.3	1319.4	1305.6	1294.9	1298.0	1294.9	1293.4	1294.9	1302.6	1305.6	1299.5
7.5°	1328.6	1334.7	1317.9	1305.6	1310.2	1311.8	1305.6	1310.2	1314.8	1317.9	1310.2
10°	1353.1	1354.7	1343.9	1327.1	1334.7	1331.7	1330.1	1327.1	1328.6	1330.1	1328.6
12.5°	1388.4	1382.2	1370.0	1365.4	1373.1	1366.9	1359.3	1357.7	1363.9	1359.3	1363.9
15°	1432.8	1428.2	1426.7	1422.1	1434.4	1426.7	1423.6	1419.0	1423.6	1414.4	1420.6
17.5°	1481.9	1488.0	1489.5	1494.1	1504.8	1503.3	1492.6	1489.5	1491.1	1481.9	1481.9
20°	1553.9	1556.9	1561.5	1563.1	1581.5	1578.4	1566.1	1555.4	1558.5	1543.2	1538.6
22.5°	1635.1	1635.1	1633.6	1645.8	1670.3	1670.3	1644.3	1632.0	1636.6	1625.9	1616.7
25°	1714.8	1714.8	1708.7	1725.5	1763.8	1762.3	1736.2	1713.3	1720.9	1714.8	1713.3
27.5°	1797.5	1797.5	1788.3	1794.5	1860.4	1865.0	1828.2	1806.7	1805.2	1811.3	1811.3
30°	1887.9	1883.4	1875.7	1868.0	1943.1	1966.1	1915.5	1898.7	1900.2	1909.4	1912.5
32.5°	1990.6	1995.2	1983.0	1969.2	2027.4	2073.4	2002.9	2010.5	2015.1	2028.9	2039.7
35°	2139.3	2139.3	2111.7	2094.8	2130.1	2171.4	2134.7	2151.5	2179.1	2199.0	2208.2
37.5°	2306.3	2314.0	2275.7	2238.9	2277.2	2309.4	2307.8	2350.7	2405.9	2473.3	2459.5
40°	2586.7	2588.3	2522.4	2465.7	2477.9	2533.1	2574.5	2654.2	2733.8	2812.0	2807.4
42.5°	2969.8	2946.9	2893.2	2821.2	2812.0	2838.1	2930.0	3012.7	3118.5	3175.2	3187.4
45°	3375.9	3371.3	3297.8	3182.8	3153.7	3155.3	3233.4	3351.4	3469.4	3529.2	3538.4
47.5°	3815.7	3814.2	3700.8	3585.9	3501.6	3470.9	3538.4	3656.4	3780.5	3854.1	3847.9
50°	4280.1	4261.7	4155.9	4005.8	3892.4	3820.3	3857.1	3982.8	4090.0	4162.1	4162.1
52.5°	4747.5	4727.5	4626.4	4451.7	4275.5	4177.4	4160.5	4277.0	4407.3	4485.4	4483.9
55°	5266.9	5227.1	5107.6	4920.6	4716.8	4534.4	4493.1	4585.0	4745.9	4839.4	4870.0
57.5°	5763.5	5737.4	5625.5	5418.7	5188.8	4935.9	4863.9	4977.3	5141.3	5244.0	5271.5
60°	6266.1	6227.8	6131.2	5978.0	5729.7	5476.9	5362.0	5429.4	5610.2	5725.1	5703.7
62.5°	6819.3	6805.5	6724.3	6581.8	6431.6	6151.2	5973.4	6042.4	6232.4	6325.9	6290.6
65°	7245.3	7265.2	7289.7	7306.6	7265.2	7050.7	6849.9	6931.2	7006.2	7015.4	6961.8
67.5°	6915.8	7004.7	7188.6	7584.0	8045.2	8207.7	7810.8	7269.8	6983.3	6914.3	6831.6
70°	6327.4	6350.4	6623.1	7276.0	8423.7	8763.9	8140.2	7075.2	6636.9	6443.8	6402.5
72.5°	5510.6	5634.7	5962.7	6837.7	8152.5	8550.9	7954.8	6653.8	5999.4	5746.6	5696.0
75°	4554.4	4718.3	5098.4	6102.1	7487.4	7925.7	7384.8	5883.0	5058.5	4798.0	4784.2
77.5°	3377.5	3446.4	3992.0	5023.3	6644.6	7107.4	6512.8	4860.9	4039.5	3624.2	3639.5
80°	1872.6	1953.8	2485.6	3461.7	5055.5	5556.6	4955.9	3501.6	2681.7	2352.3	2327.8
82.5°	824.4	887.3	1250.5	1953.8	3139.9	3575.1	2968.3	1849.6	1245.9	942.4	907.2
85°	246.7	272.8	430.6	783.1	1498.7	1480.3	947.0	424.5	170.1	93.5	88.9
87.5°	58.2	64.4	116.5	179.3	191.6	72.0	33.7	29.1	29.1	29.1	29.1
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)