

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: P553502

Luminaire Tested: **VERD-G-CA2-140-722-U-T5**

Issue Date: 7/12/2021

Test Information

Test Method: LM-79-08
Report Number: P553502
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-CA2-140-722-U-T5
Description: VERDEON-G ROADWAY AND AREA LUMINAIRE
(2) 70 CRI, 2200K, 1290mA LEDS AND TYPE V OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 17209 lumens
Efficiency: N/A
Efficacy: 120.8 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

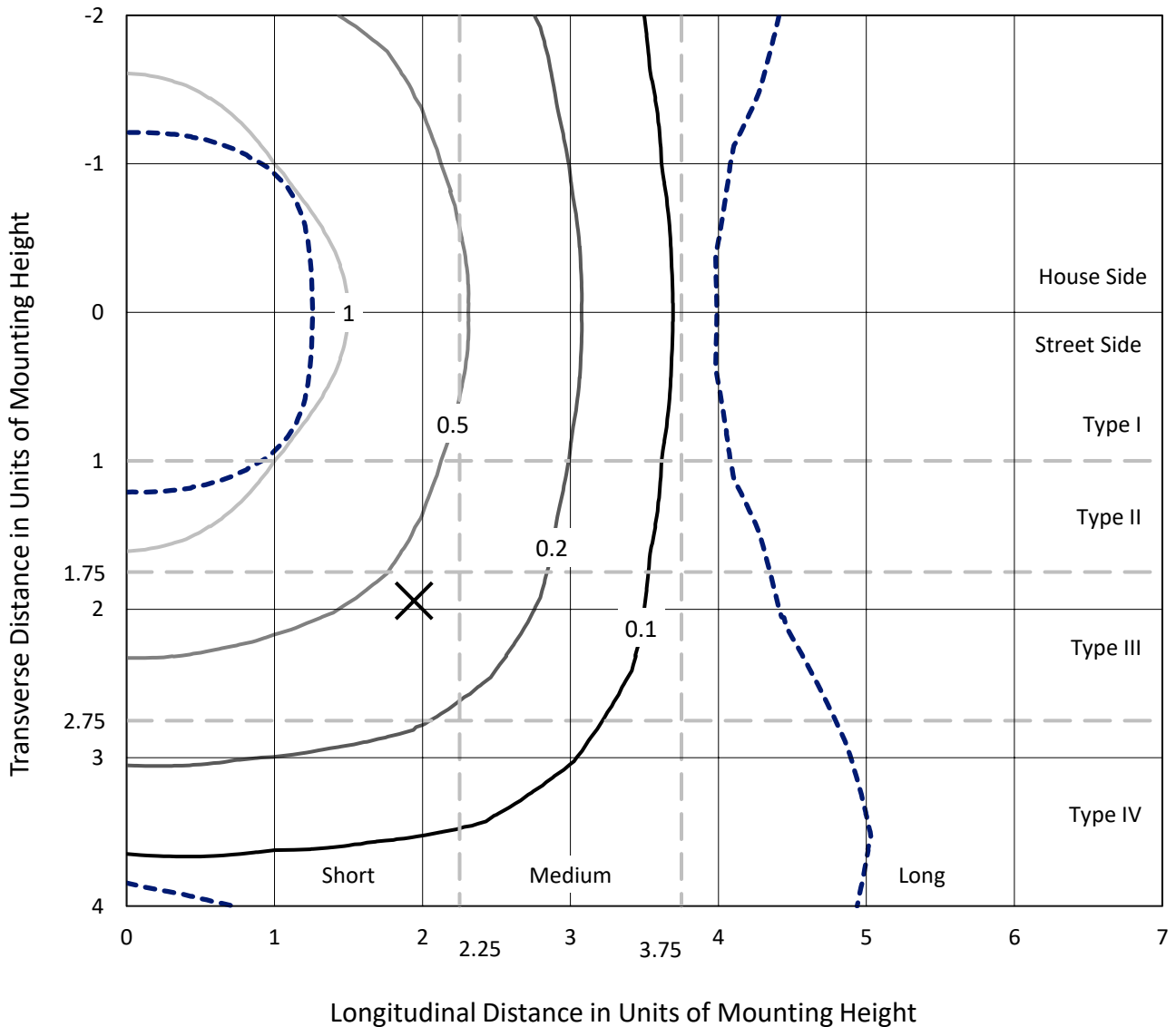
Input Watts (W): 142.4
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

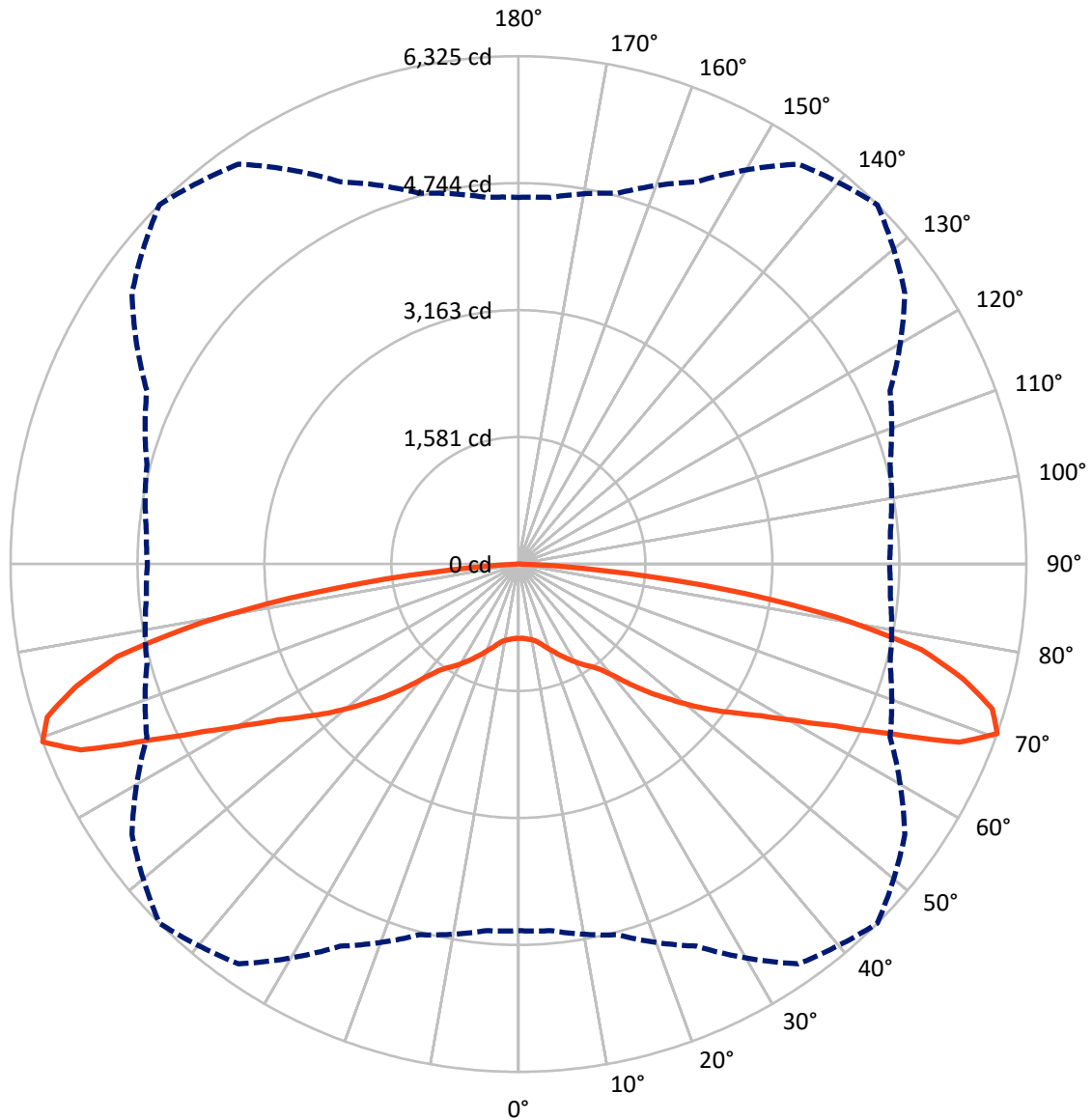
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.5 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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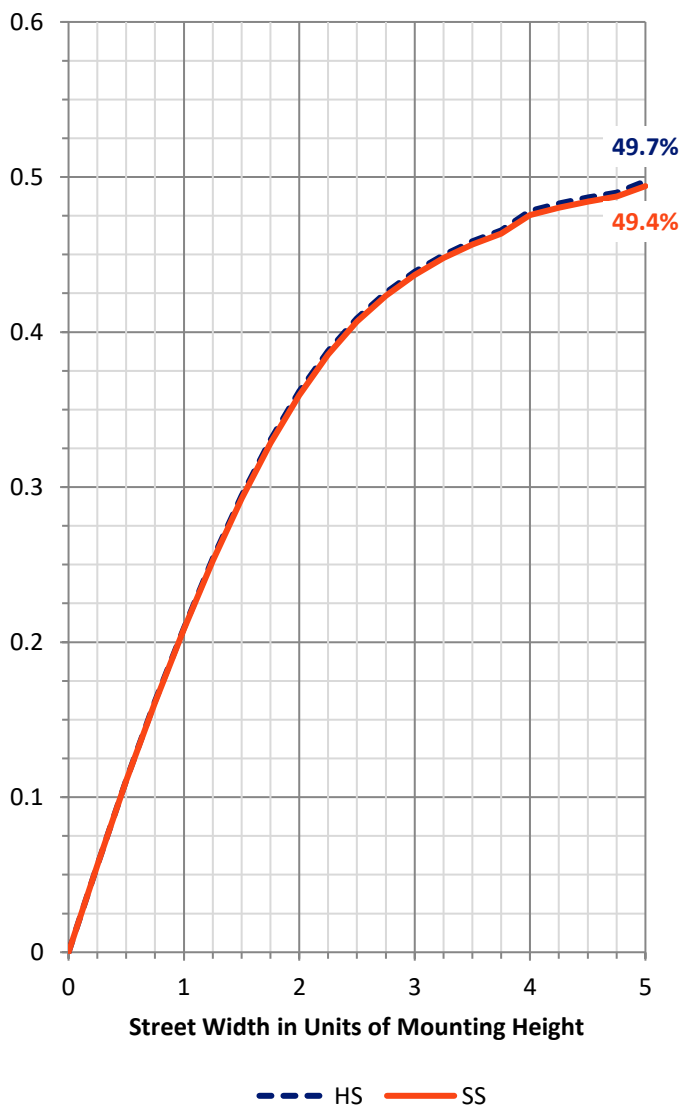
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	8604.5	0.0	8604.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	8604.5	0.0	8604.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	17209.0	0.0	17209.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	90.3	0.5
10°-20°	295.7	1.7
20°-30°	581.7	3.4
30°-40°	996.1	5.8
40°-50°	1858.5	10.8
50°-60°	3138.0	18.2
60°-70°	4921.4	28.6
70°-80°	4442.6	25.8
80°-90°	884.8	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°	17209.0	100.0
0°-180°	17209.0	100.0

Coefficient of Utilization



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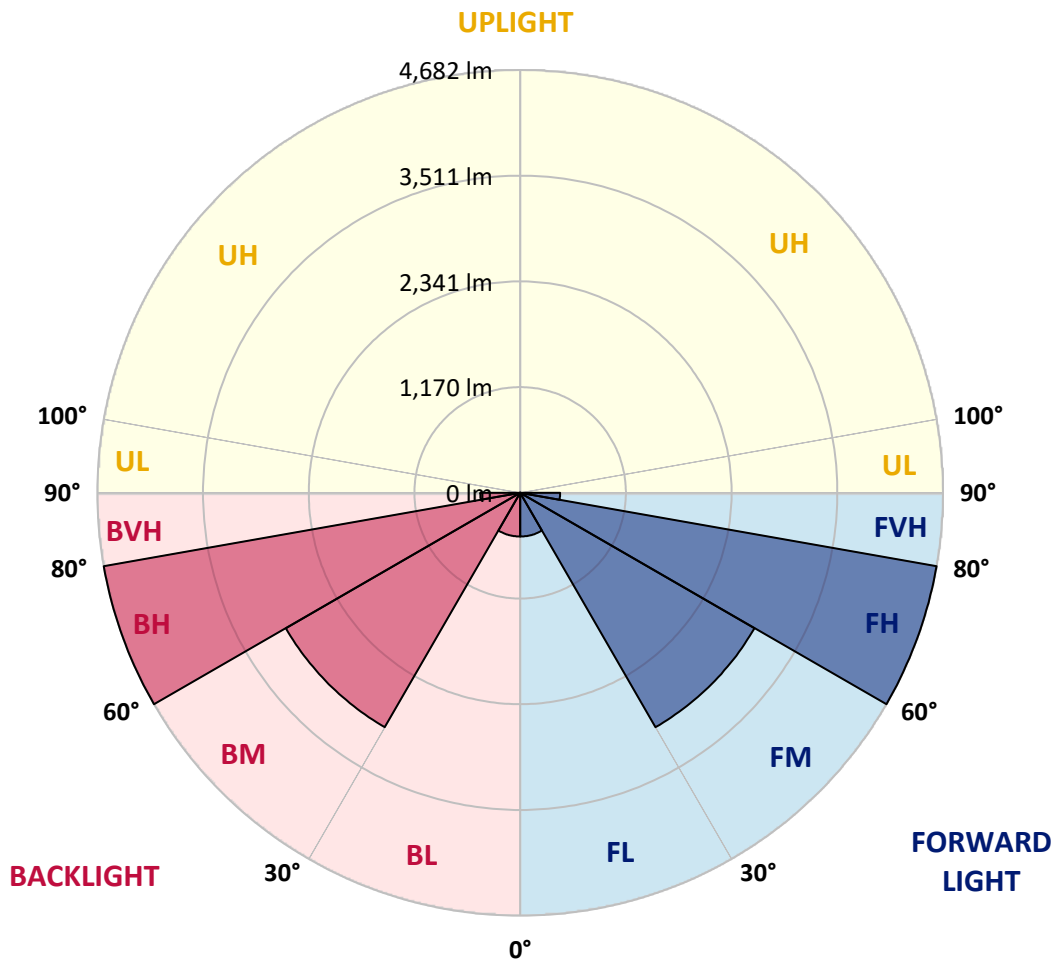
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	483.8	2.8			
FM (30°-60°)	2996.3	17.4			
FH (60°-80°)	4682.0	27.2			G2/5000
FVH (80°-90°)	442.4	2.6			G3/500
BL (0°-30°)	483.8	2.8	B1/500		
BM (30°-60°)	2996.3	17.4	B3/5000		
BH (60°-80°)	4682.0	27.2	B4/5000		G2/5000
BVH (80°-90°)	442.4	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°	926.8	926.8	926.8	926.8	926.8	926.8	926.8	926.8	926.8	926.8	926.8
2.5°	942.3	942.3	932.4	926.8	927.9	924.6	924.6	923.5	926.8	926.8	923.5
5°	947.8	952.3	942.3	934.6	936.8	934.6	933.5	934.6	940.1	942.3	937.9
7.5°	958.9	963.3	951.2	942.3	945.6	946.7	942.3	945.6	948.9	951.2	945.6
10°	976.6	977.7	970.0	957.8	963.3	961.1	960.0	957.8	958.9	960.0	958.9
12.5°	1002.0	997.6	988.8	985.4	991.0	986.6	981.0	979.9	984.3	981.0	984.3
15°	1034.1	1030.8	1029.7	1026.4	1035.2	1029.7	1027.5	1024.2	1027.5	1020.8	1025.3
17.5°	1069.5	1073.9	1075.0	1078.4	1086.1	1085.0	1077.2	1075.0	1076.1	1069.5	1069.5
20°	1121.5	1123.7	1127.0	1128.1	1141.4	1139.2	1130.3	1122.6	1124.8	1113.7	1110.4
22.5°	1180.1	1180.1	1179.0	1187.8	1205.5	1205.5	1186.7	1177.9	1181.2	1173.5	1166.8
25°	1237.6	1237.6	1233.2	1245.4	1273.0	1271.9	1253.1	1236.5	1242.0	1237.6	1236.5
27.5°	1297.3	1297.3	1290.7	1295.1	1342.7	1346.0	1319.5	1304.0	1302.9	1307.3	1307.3
30°	1362.6	1359.3	1353.7	1348.2	1402.4	1419.0	1382.5	1370.3	1371.4	1378.1	1380.3
32.5°	1436.7	1440.0	1431.2	1421.2	1463.2	1496.4	1445.5	1451.1	1454.4	1464.3	1472.1
35°	1544.0	1544.0	1524.1	1511.9	1537.3	1567.2	1540.7	1552.8	1572.7	1587.1	1593.7
37.5°	1664.5	1670.1	1642.4	1615.9	1643.5	1666.7	1665.6	1696.6	1736.4	1785.1	1775.1
40°	1866.9	1868.0	1820.5	1779.6	1788.4	1828.2	1858.1	1915.6	1973.1	2029.5	2026.2
42.5°	2143.4	2126.8	2088.1	2036.1	2029.5	2048.3	2114.7	2174.4	2250.7	2291.6	2300.5
45°	2436.5	2433.2	2380.1	2297.2	2276.2	2277.3	2333.7	2418.8	2504.0	2547.1	2553.8
47.5°	2753.9	2752.8	2671.0	2588.0	2527.2	2505.1	2553.8	2638.9	2728.5	2781.6	2777.2
50°	3089.1	3075.8	2999.5	2891.1	2809.2	2757.3	2783.8	2874.5	2951.9	3003.9	3003.9
52.5°	3426.4	3412.0	3339.0	3212.9	3085.7	3015.0	3002.8	3086.9	3180.9	3237.3	3236.2
55°	3801.3	3772.6	3686.3	3551.4	3404.3	3272.7	3242.8	3309.2	3425.3	3492.8	3514.9
57.5°	4159.7	4140.9	4060.1	3910.8	3744.9	3562.4	3510.5	3592.3	3710.6	3784.7	3804.6
60°	4522.4	4494.8	4425.1	4314.5	4135.3	3952.9	3869.9	3918.6	4049.1	4132.0	4116.5
62.5°	4921.7	4911.8	4853.1	4750.3	4641.9	4439.5	4311.2	4361.0	4498.1	4565.6	4540.1
65°	5229.2	5243.6	5261.3	5273.4	5243.6	5088.7	4943.8	5002.4	5056.6	5063.3	5024.6
67.5°	4991.4	5055.5	5188.3	5473.6	5806.5	5923.7	5637.3	5246.9	5040.1	4990.3	4930.6
70°	4566.7	4583.3	4780.1	5251.3	6079.7	6325.2	5875.1	5106.4	4790.1	4650.7	4620.9
72.5°	3977.2	4066.8	4303.5	4935.0	5883.9	6171.5	5741.3	4802.3	4330.0	4147.5	4111.0
75°	3287.0	3405.4	3679.7	4404.1	5403.9	5720.2	5329.8	4245.9	3650.9	3462.9	3452.9
77.5°	2437.6	2487.4	2881.1	3625.5	4795.6	5129.6	4700.5	3508.2	2915.4	2615.7	2626.8
80°	1351.5	1410.2	1793.9	2498.5	3648.7	4010.4	3576.8	2527.2	1935.5	1697.7	1680.0
82.5°	595.0	640.4	902.5	1410.2	2266.2	2580.3	2142.3	1334.9	899.2	680.2	654.8
85°	178.1	196.9	310.8	565.2	1081.7	1068.4	683.5	306.4	122.8	67.5	64.1
87.5°	42.0	46.5	84.1	129.4	138.3	52.0	24.3	21.0	21.0	21.0	21.0
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)