

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: P509602

Luminaire Tested: **VERD-G-CA2-130-730-U-T5**

Issue Date: 4/6/2021

Test Information

Test Method: LM-79-08
Report Number: P509602
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-CA2-130-730-U-T5
Description: VERDEON-G ROADWAY AND AREA LUMINAIRE
(2) 70 CRI, 3000K, 1200mA LEDS AND TYPE V OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 18940 lumens
Efficiency: N/A
Efficacy: 141.4 lumens/watt
Luminous Opening: Rectangular (W 0.9' x L: 1.25' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G3

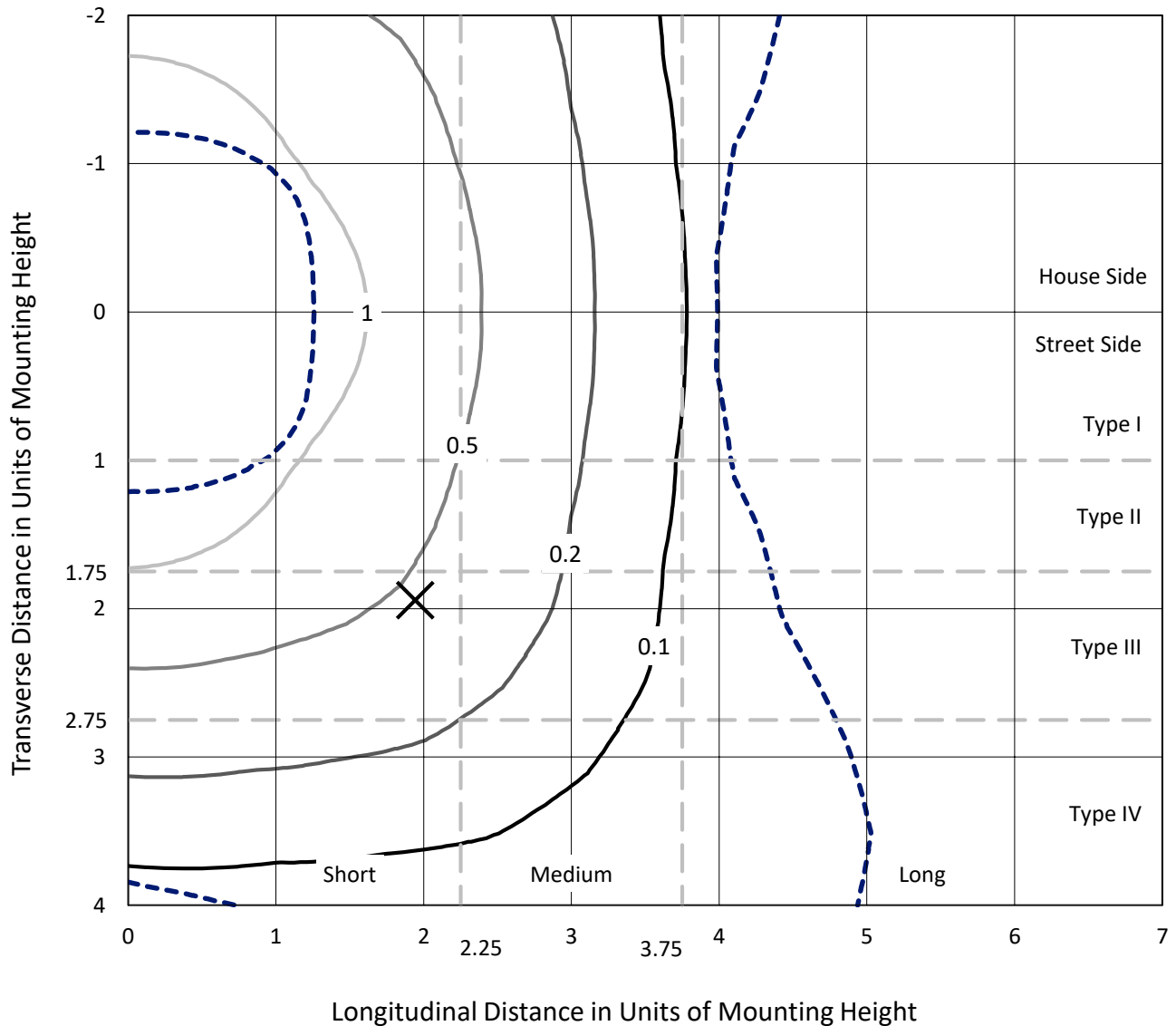
Input Watts (W): 133.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

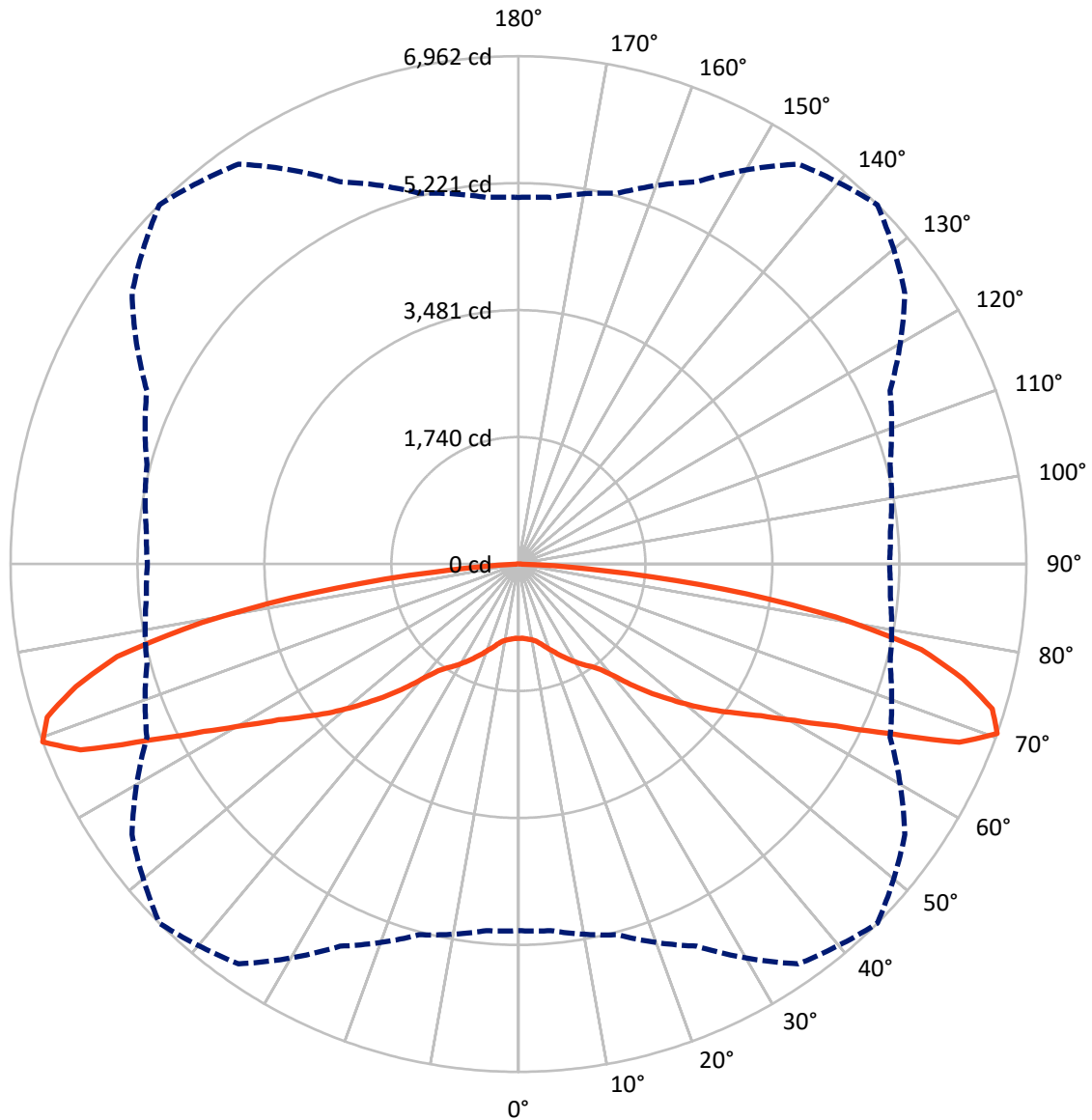
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.7 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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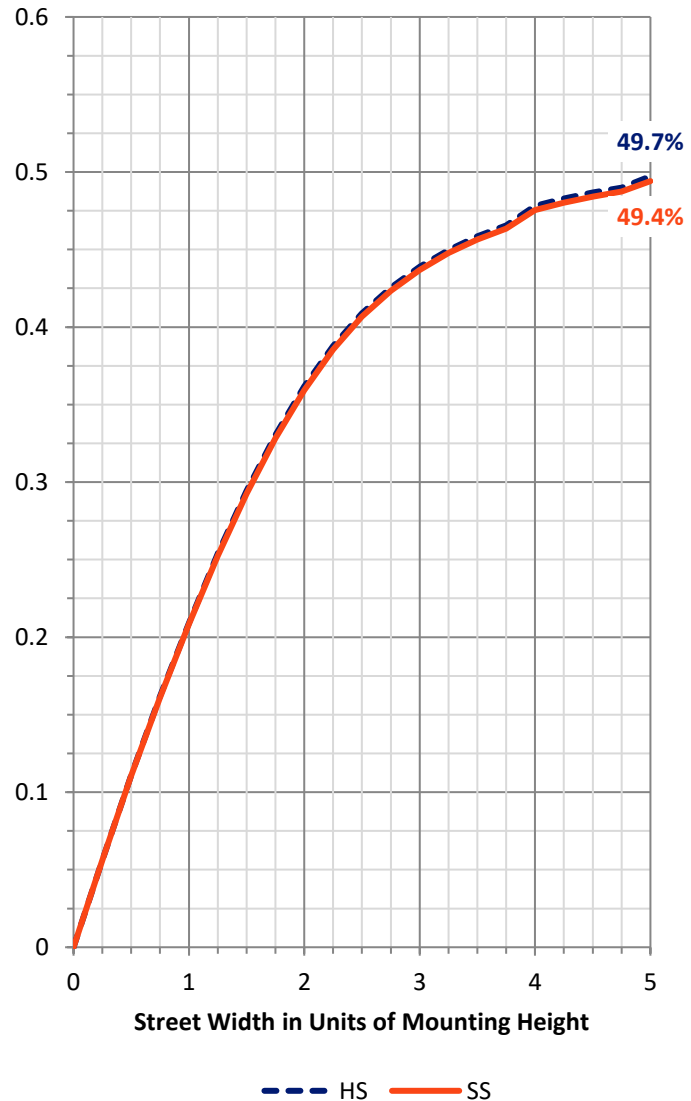
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	9470.0	0.0	9470.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	9470.0	0.0	9470.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	18940.0	0.0	18940.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	99.4	0.5
10°-20°	325.4	1.7
20°-30°	640.2	3.4
30°-40°	1096.3	5.8
40°-50°	2045.4	10.8
50°-60°	3453.6	18.2
60°-70°	5416.4	28.6
70°-80°	4889.5	25.8
80°-90°	973.7	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°	18940.0	100.0
0°-180°	18940.0	100.0



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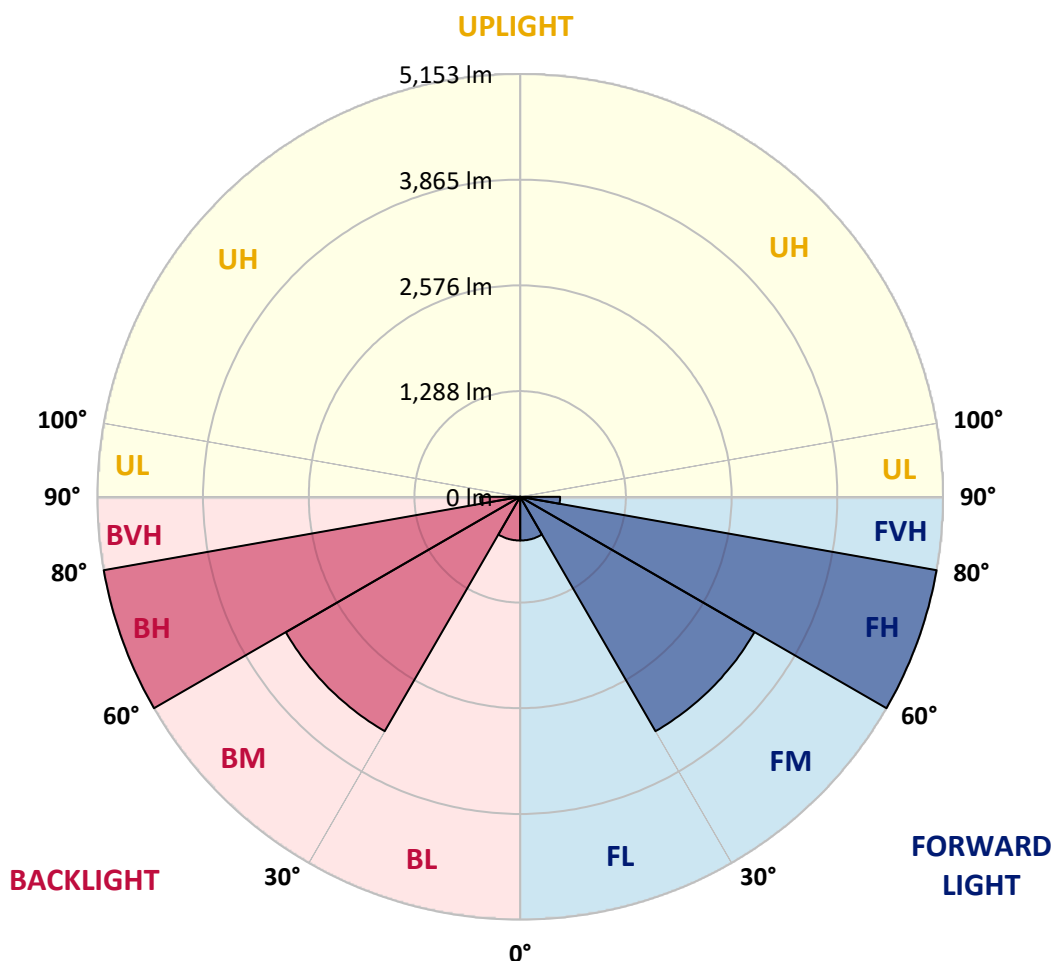
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	532.5	2.8			
FM	(30°-60°)	3297.7	17.4			
FH	(60°-80°)	5152.9	27.2			G3/7500
FVH	(80°-90°)	486.9	2.6			G3/500
BL	(0°-30°)	532.5	2.8	B2/1000		
BM	(30°-60°)	3297.7	17.4	B3/5000		
BH	(60°-80°)	5152.9	27.2	B5		G3/7500
BVH	(80°-90°)	486.9	2.6			G3/500
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B5-U0-G3

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	1020.1	1020.1	1020.1	1020.1	1020.1	1020.1	1020.1	1020.1	1020.1	1020.1	1020.1
2.5°	1037.1	1037.1	1026.1	1020.1	1021.3	1017.6	1017.6	1016.4	1020.1	1020.1	1016.4
5°	1043.2	1048.1	1037.1	1028.6	1031.0	1028.6	1027.4	1028.6	1034.7	1037.1	1032.2
7.5°	1055.4	1060.2	1046.8	1037.1	1040.7	1042.0	1037.1	1040.7	1044.4	1046.8	1040.7
10°	1074.8	1076.1	1067.5	1054.1	1060.2	1057.8	1056.6	1054.1	1055.4	1056.6	1055.4
12.5°	1102.8	1098.0	1088.2	1084.6	1090.7	1085.8	1079.7	1078.5	1083.4	1079.7	1083.4
15°	1138.1	1134.5	1133.3	1129.6	1139.3	1133.3	1130.8	1127.2	1130.8	1123.5	1128.4
17.5°	1177.1	1182.0	1183.2	1186.8	1195.3	1194.1	1185.6	1183.2	1184.4	1177.1	1177.1
20°	1234.3	1236.7	1240.4	1241.6	1256.2	1253.8	1244.0	1235.5	1237.9	1225.8	1222.1
22.5°	1298.8	1298.8	1297.6	1307.3	1326.8	1326.8	1306.1	1296.4	1300.0	1291.5	1284.2
25°	1362.1	1362.1	1357.2	1370.6	1401.1	1399.8	1379.1	1360.9	1367.0	1362.1	1360.9
27.5°	1427.8	1427.8	1420.5	1425.4	1477.7	1481.4	1452.2	1435.1	1433.9	1438.8	1438.8
30°	1499.7	1496.0	1489.9	1483.8	1543.5	1561.7	1521.6	1508.2	1509.4	1516.7	1519.1
32.5°	1581.2	1584.9	1575.1	1564.2	1610.4	1646.9	1590.9	1597.0	1600.7	1611.6	1620.2
35°	1699.3	1699.3	1677.4	1664.0	1692.0	1724.8	1695.6	1709.0	1730.9	1746.8	1754.1
37.5°	1832.0	1838.0	1807.6	1778.4	1808.8	1834.4	1833.2	1867.3	1911.1	1964.6	1953.7
40°	2054.7	2055.9	2003.6	1958.6	1968.3	2012.1	2045.0	2108.3	2171.6	2233.7	2230.0
42.5°	2359.0	2340.8	2298.2	2241.0	2233.7	2254.3	2327.4	2393.1	2477.1	2522.1	2531.9
45°	2681.6	2678.0	2619.5	2528.2	2505.1	2506.3	2568.4	2662.1	2755.9	2803.3	2810.6
47.5°	3031.0	3029.7	2939.7	2848.4	2781.4	2757.1	2810.6	2904.4	3003.0	3061.4	3056.5
50°	3399.8	3385.2	3301.2	3181.9	3091.8	3034.6	3063.8	3163.6	3248.8	3306.1	3306.1
52.5°	3771.0	3755.2	3674.9	3536.1	3396.1	3318.2	3304.8	3397.3	3500.8	3562.9	3561.7
55°	4183.7	4152.0	4057.1	3908.6	3746.7	3601.8	3569.0	3642.0	3769.8	3844.1	3868.4
57.5°	4578.1	4557.4	4468.5	4304.2	4121.6	3920.8	3863.6	3953.6	4083.9	4165.4	4187.3
60°	4977.3	4946.9	4870.2	4748.5	4551.3	4350.5	4259.2	4312.7	4456.4	4547.7	4530.6
62.5°	5416.8	5405.8	5341.3	5228.1	5108.8	4886.0	4744.8	4799.6	4950.6	5024.8	4996.8
65°	5755.2	5771.0	5790.5	5803.9	5771.0	5600.6	5441.1	5505.6	5565.3	5572.6	5530.0
67.5°	5493.5	5564.1	5710.1	6024.2	6390.6	6519.6	6204.3	5774.6	5547.0	5492.2	5426.5
70°	5026.0	5044.3	5261.0	5779.5	6691.2	6961.5	6466.0	5620.0	5271.9	5118.5	5085.7
72.5°	4377.2	4475.8	4736.3	5431.4	6475.8	6792.3	6318.8	5285.3	4765.5	4564.7	4524.5
75°	3617.7	3747.9	4049.8	4847.1	5947.5	6295.6	5865.9	4673.0	4018.1	3811.2	3800.3
77.5°	2682.8	2737.6	3170.9	3990.1	5278.0	5645.6	5173.3	3861.1	3208.7	2878.8	2891.0
80°	1487.5	1552.0	1974.4	2749.8	4015.7	4413.8	3936.6	2781.4	2130.2	1868.5	1849.0
82.5°	654.9	704.8	993.3	1552.0	2494.1	2839.8	2357.8	1469.2	989.6	748.6	720.6
85°	196.0	216.7	342.0	622.0	1190.5	1175.9	752.3	337.2	135.1	74.3	70.6
87.5°	46.3	51.1	92.5	142.4	152.2	57.2	26.8	23.1	23.1	23.1	23.1
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)