

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: P509186

Luminaire Tested: **VERD-CA2-120-750-U-T5**

Issue Date: 3/4/2021

Test Information

Test Method: LM-79-08
Report Number: P509186
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2102-139-8)
Test Lab: INNOVATION CENTER
Issue Date: 3/4/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: VERD-CA2-120-750-U-T5
Description: VERDEON ROADWAY AND AREA LUMINAIRE
(2) 70 CRI, 5000K, 1120mA LEDS AND TYPE V OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 18018 lumens
Efficiency: N/A
Efficacy: 146.8 lumens/watt
Luminous Opening: Rectangular (W 0.79' x L: 1.25' x H: 0')
IES Classification: Type V - Short
BUG Rating: B4 - U0 - G3

Input Watts (W): 122.7
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

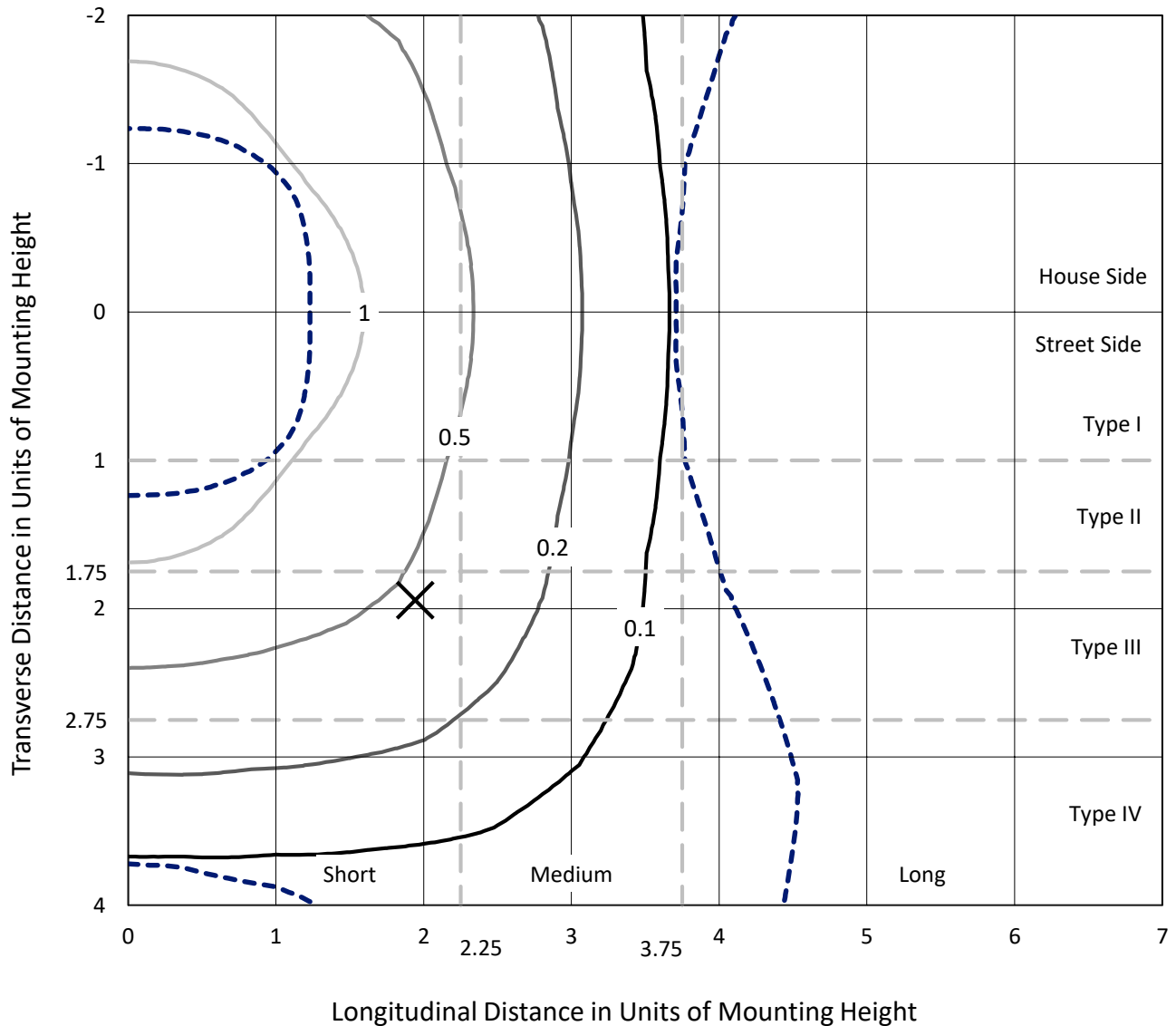


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Iso-Footcandle Lines of Horizontal Illumination

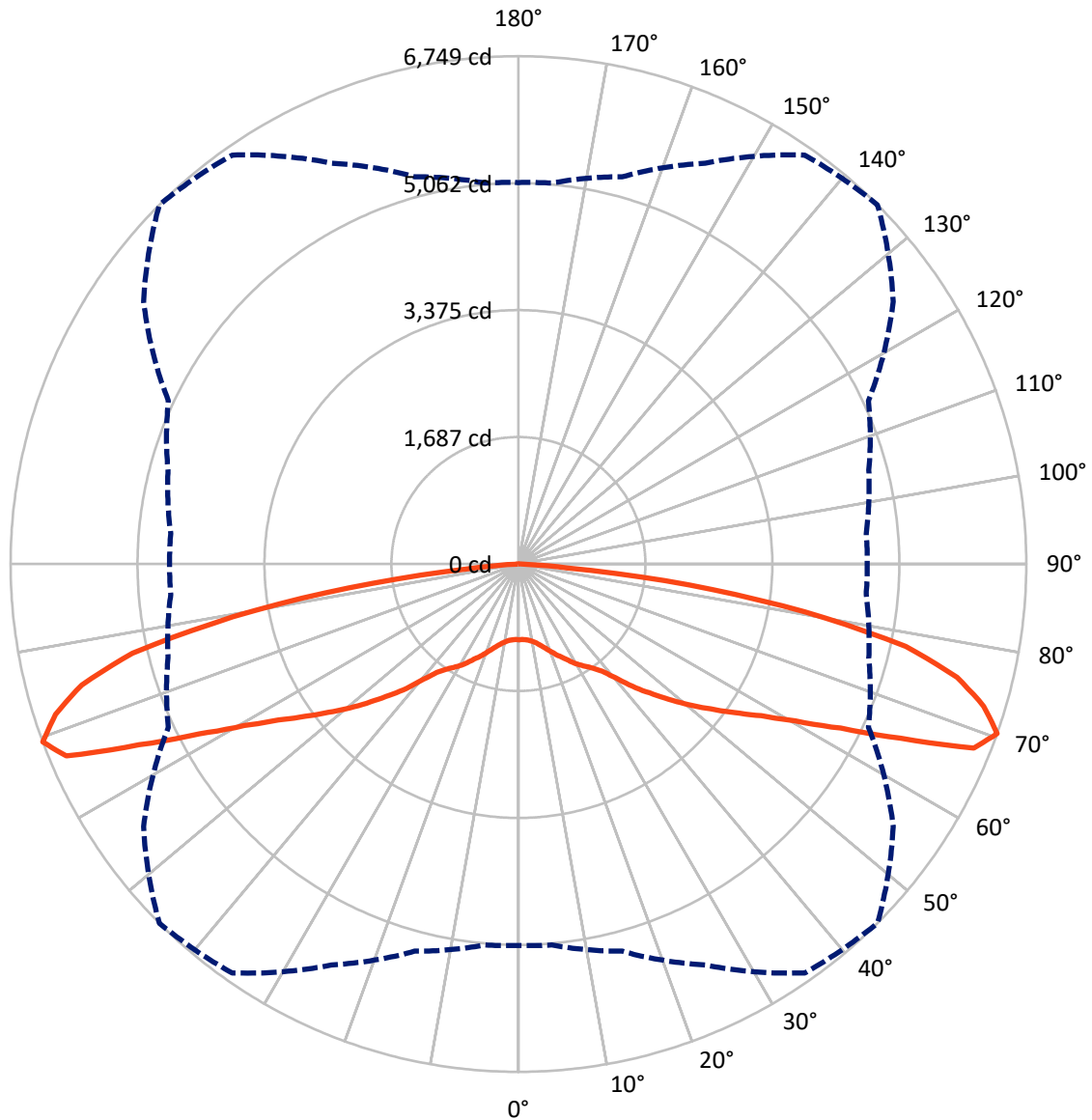
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.6 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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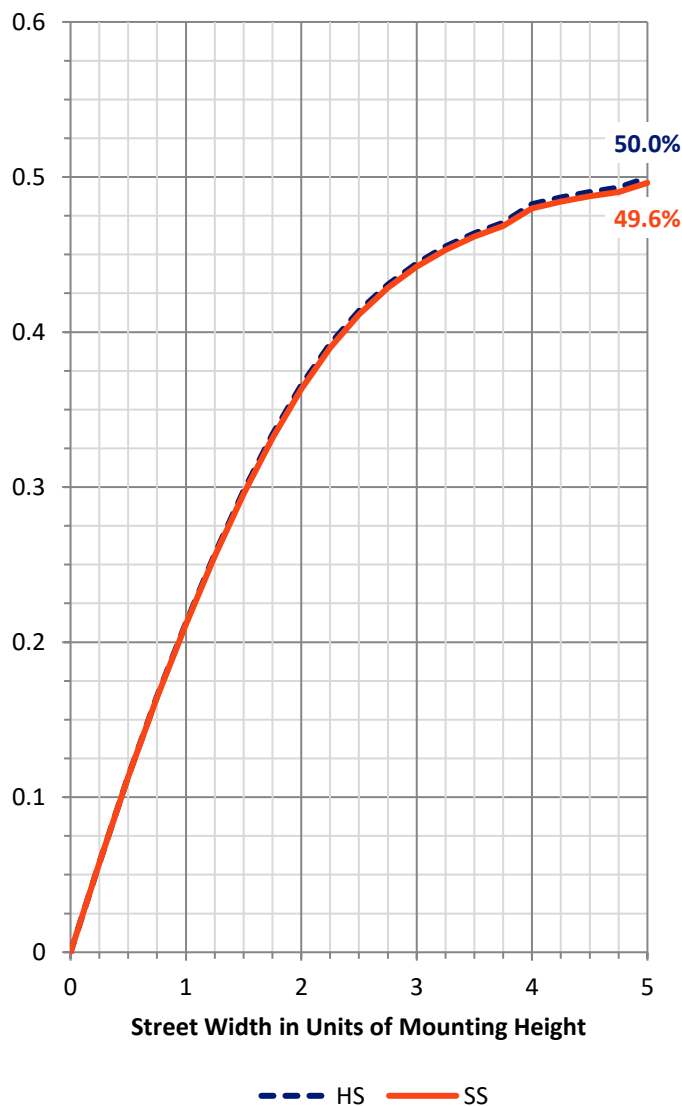
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	9009.0	0.0	9009.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	9009.0	0.0	9009.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	18018.0	0.0	18018.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	97.9	0.5
10°-20°	321.8	1.8
20°-30°	632.2	3.5
30°-40°	1084.3	6.0
40°-50°	1990.9	11.0
50°-60°	3350.6	18.6
60°-70°	5294.1	29.4
70°-80°	4517.8	25.1
80°-90°	728.4	4.0
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°	18018.0	100.0
0°-180°	18018.0	100.0

Coefficient of Utilization



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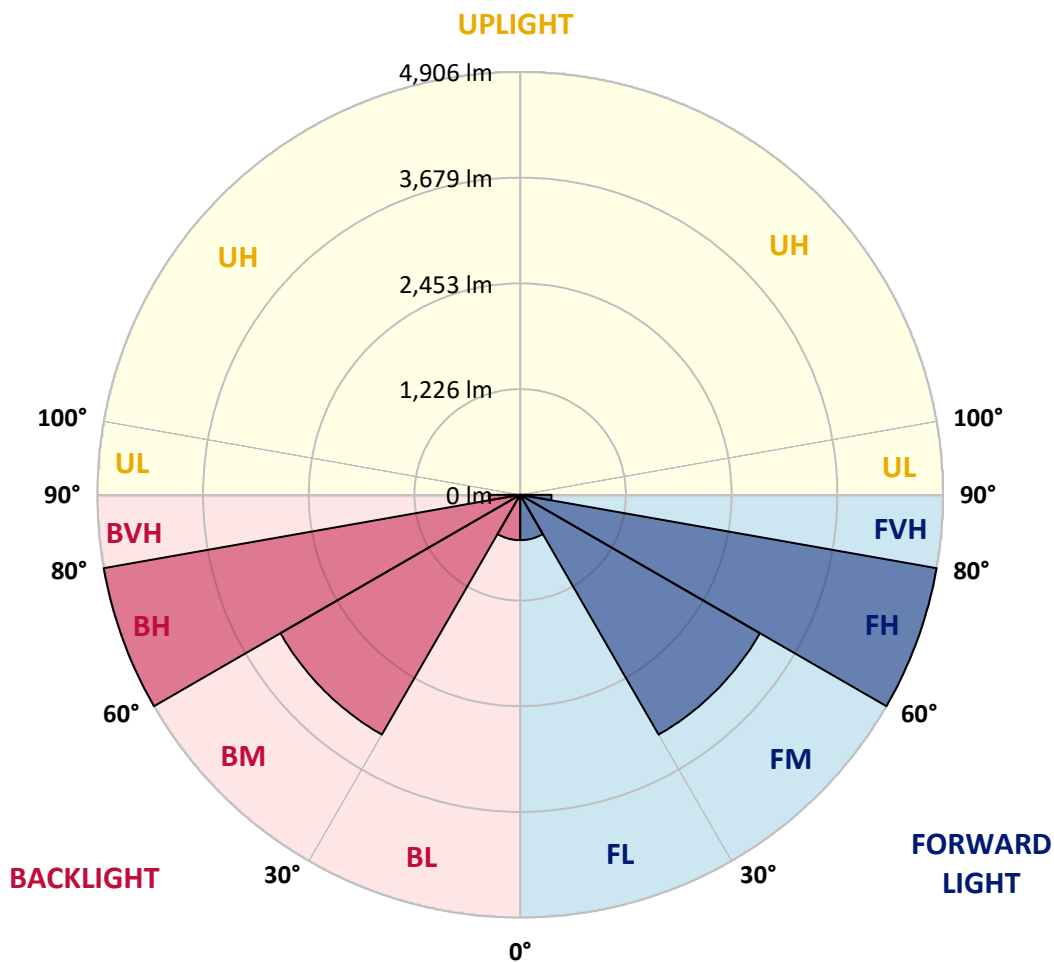
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	526.0	2.9			
FM (30°-60°)	3212.9	17.8			
FH (60°-80°)	4905.9	27.2			G2/5000
FVH (80°-90°)	364.2	2.0			G3/500
BL (0°-30°)	526.0	2.9	B2/1000		
BM (30°-60°)	3212.9	17.8	B3/5000		
BH (60°-80°)	4905.9	27.2	B4/5000		G2/5000
BVH (80°-90°)	364.2	2.0			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°	1007.2	1007.2	1007.2	1007.2	1007.2	1007.2	1007.2	1007.2	1007.2	1007.2	1007.2
2.5°	1009.1	1014.7	1009.1	1009.1	1005.3	1003.4	1003.4	1003.4	1007.2	1010.9	1010.9
5°	1016.6	1020.4	1014.7	1014.7	1010.9	1010.9	1010.9	1010.9	1014.7	1018.5	1016.6
7.5°	1029.9	1035.6	1029.9	1029.9	1026.1	1022.3	1022.3	1024.2	1026.1	1028.0	1026.1
10°	1052.6	1060.2	1052.6	1056.4	1048.8	1046.9	1045.0	1045.0	1046.9	1046.9	1046.9
12.5°	1081.0	1086.7	1082.9	1086.7	1079.1	1079.1	1073.4	1073.4	1071.5	1071.5	1071.5
15°	1118.9	1126.4	1122.6	1128.3	1124.5	1124.5	1118.9	1113.2	1111.3	1111.3	1111.3
17.5°	1164.3	1171.9	1170.0	1179.4	1175.7	1179.4	1168.1	1158.6	1160.5	1160.5	1158.6
20°	1217.3	1224.9	1224.9	1238.1	1238.1	1241.9	1226.8	1217.3	1213.5	1215.4	1213.5
22.5°	1276.0	1283.6	1281.7	1302.5	1313.9	1313.9	1293.0	1285.5	1277.9	1279.8	1276.0
25°	1340.4	1349.8	1340.4	1359.3	1378.2	1380.1	1363.1	1344.1	1344.1	1353.6	1349.8
27.5°	1395.3	1406.6	1400.9	1408.5	1450.2	1461.5	1435.0	1414.2	1418.0	1425.6	1419.9
30°	1461.5	1471.0	1461.5	1467.2	1507.0	1544.8	1495.6	1489.9	1497.5	1505.1	1505.1
32.5°	1546.7	1558.1	1541.0	1546.7	1560.0	1618.7	1575.1	1582.7	1599.7	1616.8	1616.8
35°	1647.1	1658.4	1641.4	1641.4	1647.1	1696.3	1683.0	1705.7	1739.8	1775.8	1783.4
37.5°	1773.9	1779.6	1760.6	1753.1	1764.4	1804.2	1823.1	1874.2	1929.1	1995.4	2006.8
40°	1946.2	1953.7	1927.2	1919.7	1927.2	1984.0	2037.0	2127.9	2203.6	2273.7	2281.3
42.5°	2201.7	2224.5	2198.0	2173.4	2173.4	2224.5	2298.3	2408.1	2504.7	2550.1	2561.5
45°	2483.8	2504.7	2447.9	2415.7	2402.4	2444.1	2525.5	2654.2	2745.1	2818.9	2813.2
47.5°	2818.9	2811.3	2758.3	2701.5	2659.9	2686.4	2762.1	2873.8	2972.3	3038.5	3040.4
50°	3193.8	3191.9	3121.8	3010.1	2930.6	2942.0	2993.1	3112.4	3210.8	3273.3	3288.4
52.5°	3593.2	3580.0	3487.2	3358.5	3239.2	3201.3	3222.2	3328.2	3434.2	3506.1	3506.1
55°	3992.7	3975.6	3898.0	3727.6	3585.7	3483.4	3468.3	3574.3	3695.5	3782.5	3788.2
57.5°	4405.4	4409.2	4325.9	4180.1	3962.4	3805.3	3763.6	3884.8	4013.5	4093.0	4113.8
60°	4825.7	4821.9	4757.5	4655.3	4437.6	4233.1	4165.0	4235.0	4397.8	4460.3	4484.9
62.5°	5361.4	5374.7	5280.0	5208.1	5001.7	4804.8	4676.1	4744.3	4905.2	4992.3	4994.2
65°	5651.1	5677.6	5719.2	5849.9	5781.7	5581.0	5418.2	5338.7	5289.5	5261.1	5244.1
67.5°	5488.3	5490.2	5670.0	6003.2	6397.0	6525.7	5904.8	5348.2	5143.7	5086.9	5071.8
70°	5069.9	5081.3	5327.4	5878.3	6633.6	6749.1	6080.8	5132.4	4820.0	4638.3	4636.4
72.5°	4236.9	4375.1	4698.8	5514.8	6480.3	6467.0	5798.8	4784.0	4291.8	4112.0	4091.1
75°	3352.8	3392.5	3841.2	4759.4	5912.4	6022.2	5387.9	4159.3	3587.5	3350.9	3337.6
77.5°	2143.1	2179.0	2673.1	3693.6	4996.1	5263.0	4596.6	3322.5	2682.6	2351.3	2341.8
80°	1046.9	1149.2	1524.0	2404.3	3606.5	3858.3	3233.5	2124.1	1588.4	1276.0	1249.5
82.5°	429.7	452.5	742.1	1330.9	2116.6	2286.9	1652.7	988.2	586.9	388.1	359.7
85°	128.7	130.6	227.2	475.2	891.7	645.6	333.2	142.0	62.5	45.4	43.5
87.5°	22.7	24.6	41.6	56.8	54.9	24.6	22.7	20.8	20.8	20.8	22.7
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)