

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: P509234

Luminaire Tested: **VERD-CA2-130-750-U-T5**

Issue Date: 3/4/2021

Test Information

Test Method: LM-79-08
Report Number: P509234
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-CA2-130-750-U-T5
Description: VERDEON ROADWAY AND AREA LUMINAIRE
(2) 70 CRI, 5000K, 1180mA LEDS AND TYPE V OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 19172 lumens
Efficiency: N/A
Efficacy: 145.5 lumens/watt
Luminous Opening: Rectangular (W 0.79' x L: 1.25' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G3

Input Watts (W): 131.8
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

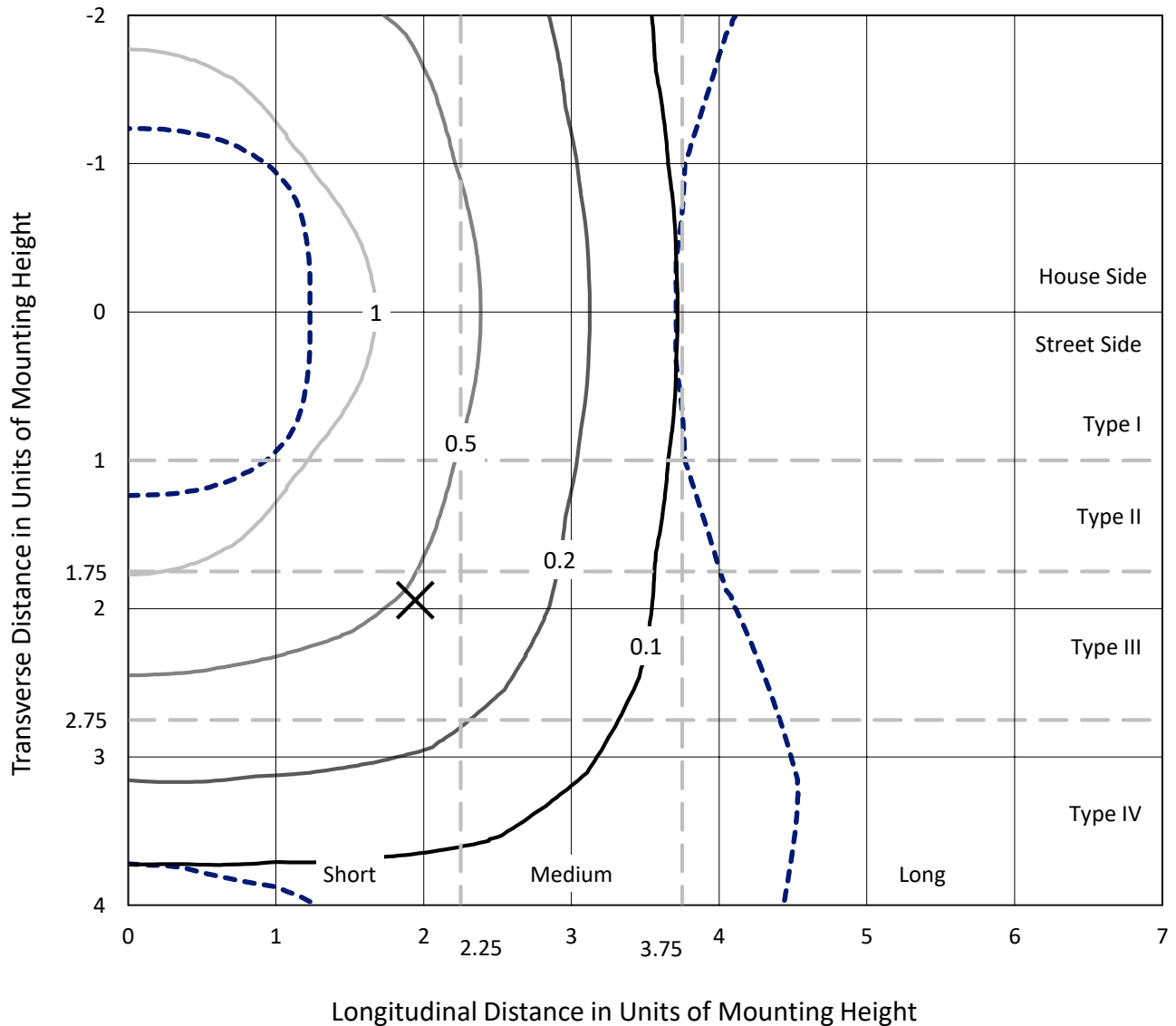


REPORT NUMBER: P509234

CATALOG NUMBER: VERD-CA2-130-750-U-T5

Iso-Footcandle Lines of Horizontal Illumination

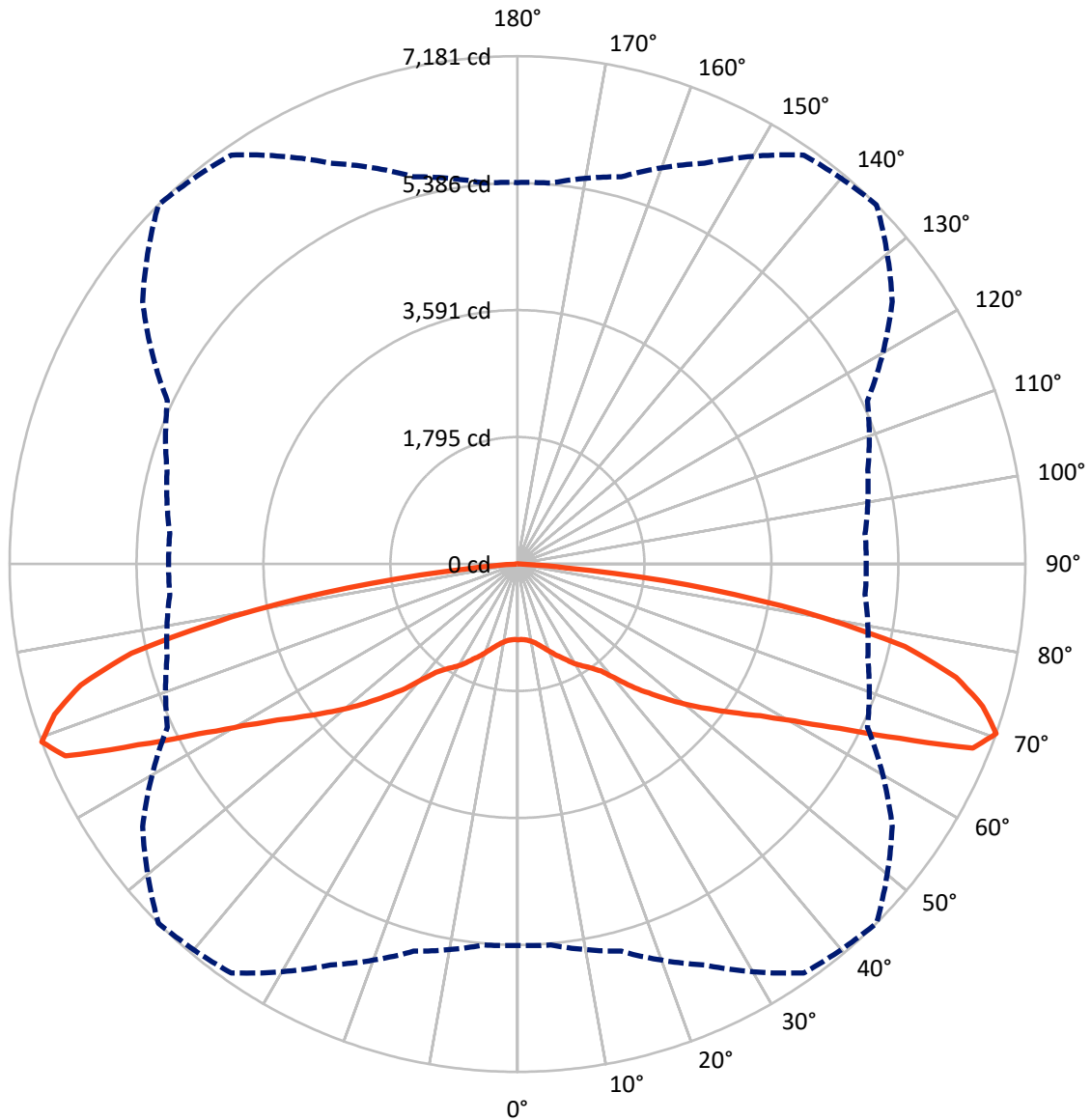
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.8 fc
 Type V - Short - N/A

REPORT NUMBER: P509234
CATALOG NUMBER: VERD-CA2-130-750-U-T5

Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 70-Deg Vertical

REPORT NUMBER: P509234

CATALOG NUMBER: VERD-CA2-130-750-U-T5

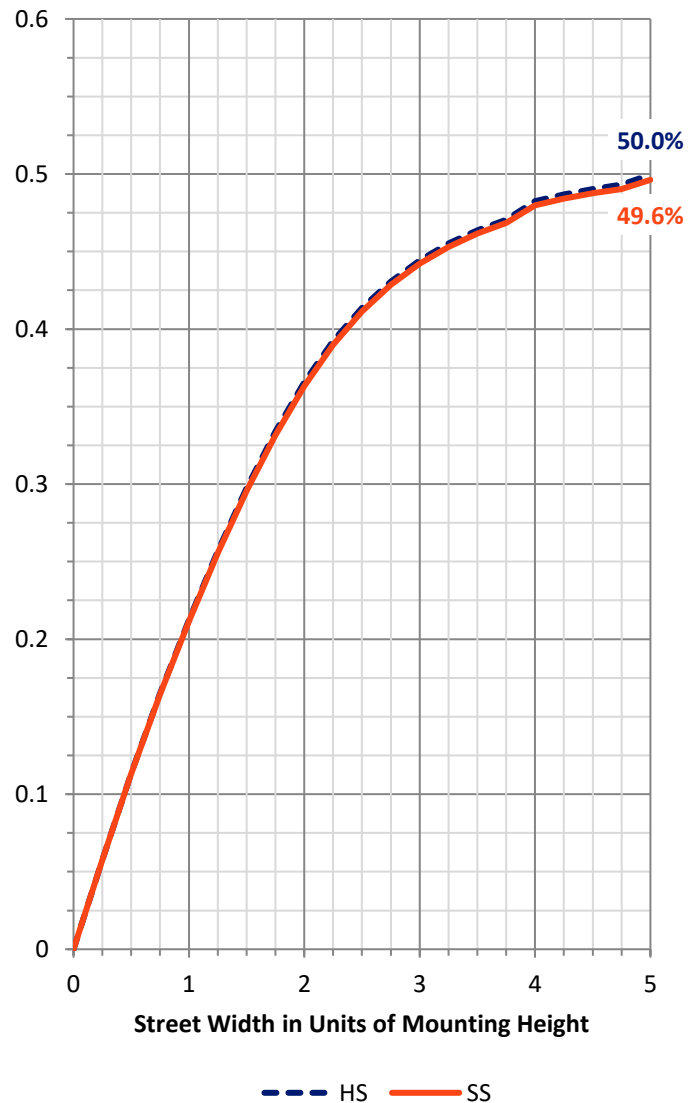
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	9586.0	0.0	9586.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	9586.0	0.0	9586.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	19172.0	0.0	19172.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	104.2	0.5
10°-20°	342.5	1.8
20°-30°	672.7	3.5
30°-40°	1153.7	6.0
40°-50°	2118.4	11.0
50°-60°	3565.2	18.6
60°-70°	5633.1	29.4
70°-80°	4807.1	25.1
80°-90°	775.0	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°	19172.0	100.0
0°-180°	19172.0	100.0



REPORT NUMBER: P509234

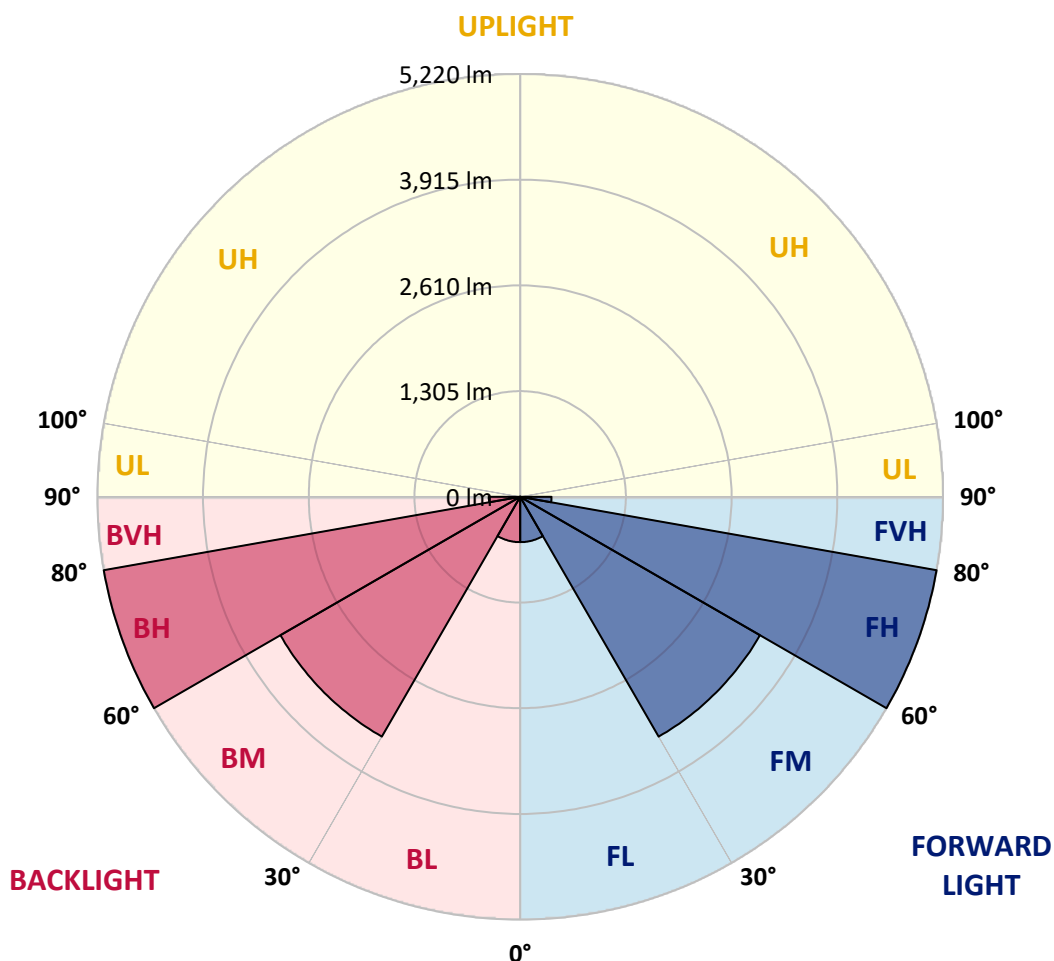
CATALOG NUMBER: VERD-CA2-130-750-U-T5

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	559.7	2.9			
FM (30°-60°)	3418.7	17.8			
FH (60°-80°)	5220.1	27.2			G3/7500
FVH (80°-90°)	387.5	2.0			G3/500
BL (0°-30°)	559.7	2.9	B2/1000		
BM (30°-60°)	3418.7	17.8	B3/5000		
BH (60°-80°)	5220.1	27.2	B5		G3/7500
BVH (80°-90°)	387.5	2.0			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°	1071.7	1071.7	1071.7	1071.7	1071.7	1071.7	1071.7	1071.7	1071.7	1071.7	1071.7
2.5°	1073.7	1079.7	1073.7	1073.7	1069.7	1067.6	1067.6	1067.6	1071.7	1075.7	1075.7
5°	1081.7	1085.8	1079.7	1079.7	1075.7	1075.7	1075.7	1075.7	1079.7	1083.8	1081.7
7.5°	1095.8	1101.9	1095.8	1095.8	1091.8	1087.8	1087.8	1089.8	1091.8	1093.8	1091.8
10°	1120.0	1128.1	1120.0	1124.0	1116.0	1114.0	1112.0	1112.0	1114.0	1114.0	1114.0
12.5°	1150.2	1156.3	1152.2	1156.3	1148.2	1148.2	1142.2	1142.2	1140.2	1140.2	1140.2
15°	1190.5	1198.6	1194.5	1200.6	1196.6	1196.6	1190.5	1184.5	1182.5	1182.5	1182.5
17.5°	1238.9	1246.9	1244.9	1255.0	1251.0	1255.0	1242.9	1232.8	1234.8	1234.8	1232.8
20°	1295.3	1303.3	1303.3	1317.4	1317.4	1321.5	1305.3	1295.3	1291.2	1293.3	1291.2
22.5°	1357.7	1365.8	1363.8	1385.9	1398.0	1398.0	1375.8	1367.8	1359.7	1361.7	1357.7
25°	1426.2	1436.3	1426.2	1446.4	1466.5	1468.5	1450.4	1430.2	1430.2	1440.3	1436.3
27.5°	1484.6	1496.7	1490.7	1498.7	1543.0	1555.1	1526.9	1504.8	1508.8	1516.9	1510.8
30°	1555.1	1565.2	1555.1	1561.2	1603.5	1643.8	1591.4	1585.3	1593.4	1601.5	1601.5
32.5°	1645.8	1657.9	1639.7	1645.8	1659.9	1722.3	1676.0	1684.1	1702.2	1720.3	1720.3
35°	1752.5	1764.6	1746.5	1746.5	1752.5	1804.9	1790.8	1815.0	1851.2	1889.5	1897.6
37.5°	1887.5	1893.6	1873.4	1865.3	1877.4	1919.7	1939.9	1994.3	2052.7	2123.2	2135.3
40°	2070.8	2078.9	2050.7	2042.6	2050.7	2111.1	2167.5	2264.2	2344.8	2419.3	2427.4
42.5°	2342.8	2366.9	2338.7	2312.5	2312.5	2366.9	2445.5	2562.3	2665.1	2713.4	2725.5
45°	2642.9	2665.1	2604.6	2570.4	2556.3	2600.6	2687.2	2824.2	2920.9	2999.5	2993.4
47.5°	2999.5	2991.4	2935.0	2874.6	2830.3	2858.5	2939.0	3057.9	3162.6	3233.1	3235.2
50°	3398.3	3396.3	3321.8	3202.9	3118.3	3130.4	3184.8	3311.7	3416.4	3482.9	3499.0
52.5°	3823.4	3809.3	3710.6	3573.6	3446.7	3406.4	3428.5	3541.3	3654.1	3730.7	3730.7
55°	4248.4	4230.3	4147.7	3966.4	3815.3	3706.5	3690.4	3803.2	3932.1	4024.8	4030.8
57.5°	4687.5	4691.6	4602.9	4447.8	4216.2	4049.0	4004.7	4133.6	4270.6	4355.2	4377.3
60°	5134.7	5130.7	5062.2	4953.4	4721.8	4504.2	4431.7	4506.2	4679.5	4746.0	4772.1
62.5°	5704.8	5718.9	5618.2	5541.7	5322.1	5112.6	4975.6	5048.1	5219.3	5312.0	5314.0
65°	6013.0	6041.2	6085.5	6224.5	6152.0	5938.5	5765.3	5680.7	5628.3	5598.1	5579.9
67.5°	5839.8	5841.8	6033.2	6387.7	6806.7	6943.7	6283.0	5690.7	5473.2	5412.7	5396.6
70°	5394.6	5406.7	5668.6	6254.8	7058.5	7181.4	6470.3	5461.1	5128.7	4935.3	4933.3
72.5°	4508.3	4655.3	4999.8	5868.0	6895.3	6881.2	6170.2	5090.4	4566.7	4375.3	4353.2
75°	3567.5	3609.8	4087.2	5064.2	6291.0	6407.9	5733.0	4425.7	3817.3	3565.5	3551.4
77.5°	2280.3	2318.6	2844.4	3930.1	5316.0	5600.1	4891.0	3535.3	2854.4	2501.9	2491.8
80°	1114.0	1222.8	1621.6	2558.3	3837.5	4105.4	3440.6	2260.2	1690.1	1357.7	1329.5
82.5°	457.3	481.4	789.7	1416.1	2252.1	2433.4	1758.6	1051.5	624.5	413.0	382.7
85°	137.0	139.0	241.7	505.6	948.8	686.9	354.5	151.1	66.5	48.3	46.3
87.5°	24.2	26.2	44.3	60.4	58.4	26.2	24.2	22.2	22.2	22.2	24.2
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)