

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: P233420

Luminaire Tested: **VERD-C026-D-U-T1-7030**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P233420
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1710-389-18)
Test Lab: INNOVATION CENTER(G2)
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: VERD-C026-D-U-T1-7030
Description: VERDEON ROADWAY AND AREA LUMINAIRE
(2) 70 CRI, 3000K, 790mA LEDS AND TYPE I OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8271 lumens
Efficiency: N/A
Efficacy: 133.4 lumens/watt
Luminous Opening: Rectangular (W 0.79' x L: 1.25' x H: 0')
IES Classification: Type V - Short - Full Cutoff
BUG Rating: B3 - U0 - G1

Input Watts (W): 62
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: 28.75 FT

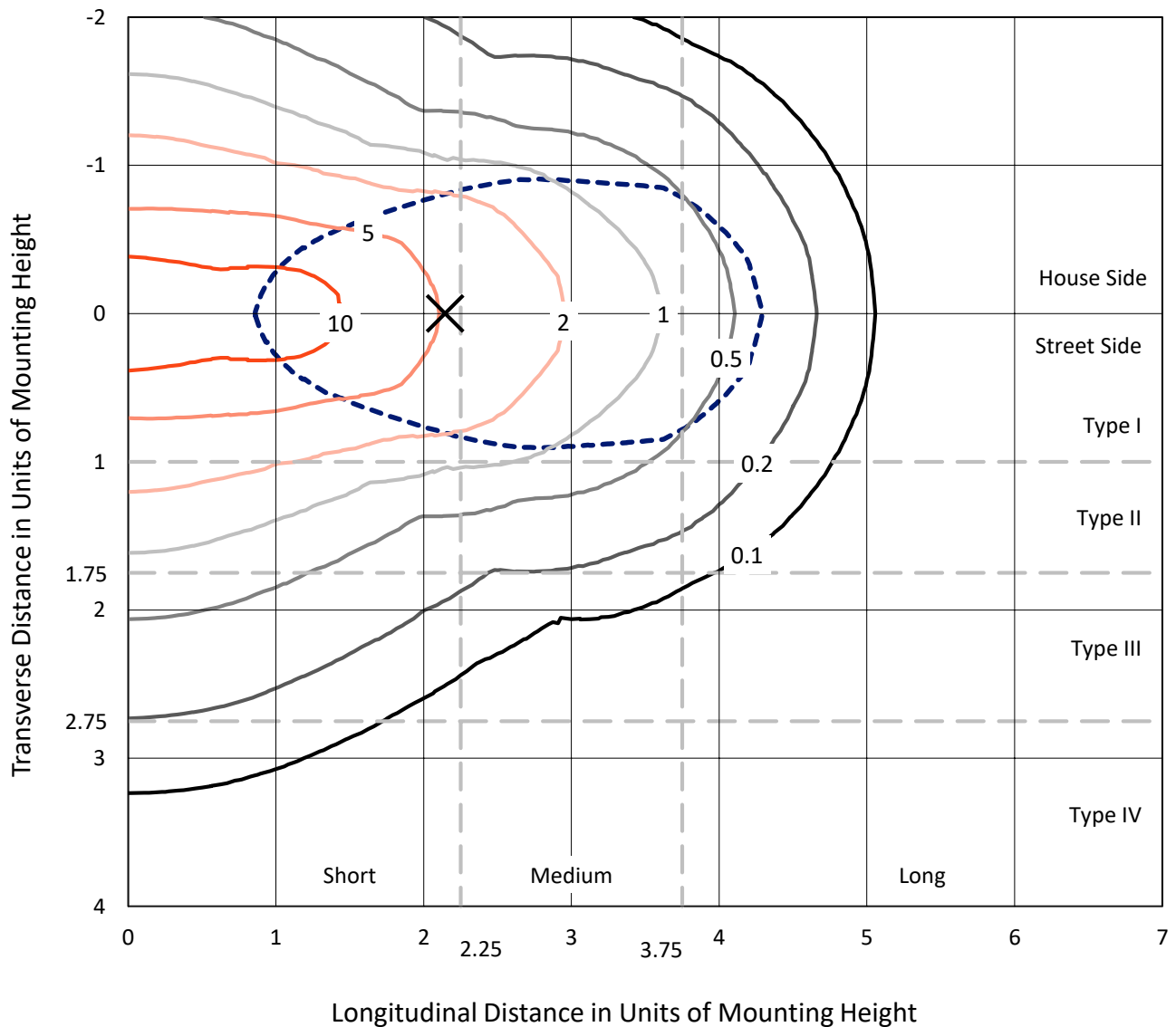


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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
 - - - 1/2 Max cd

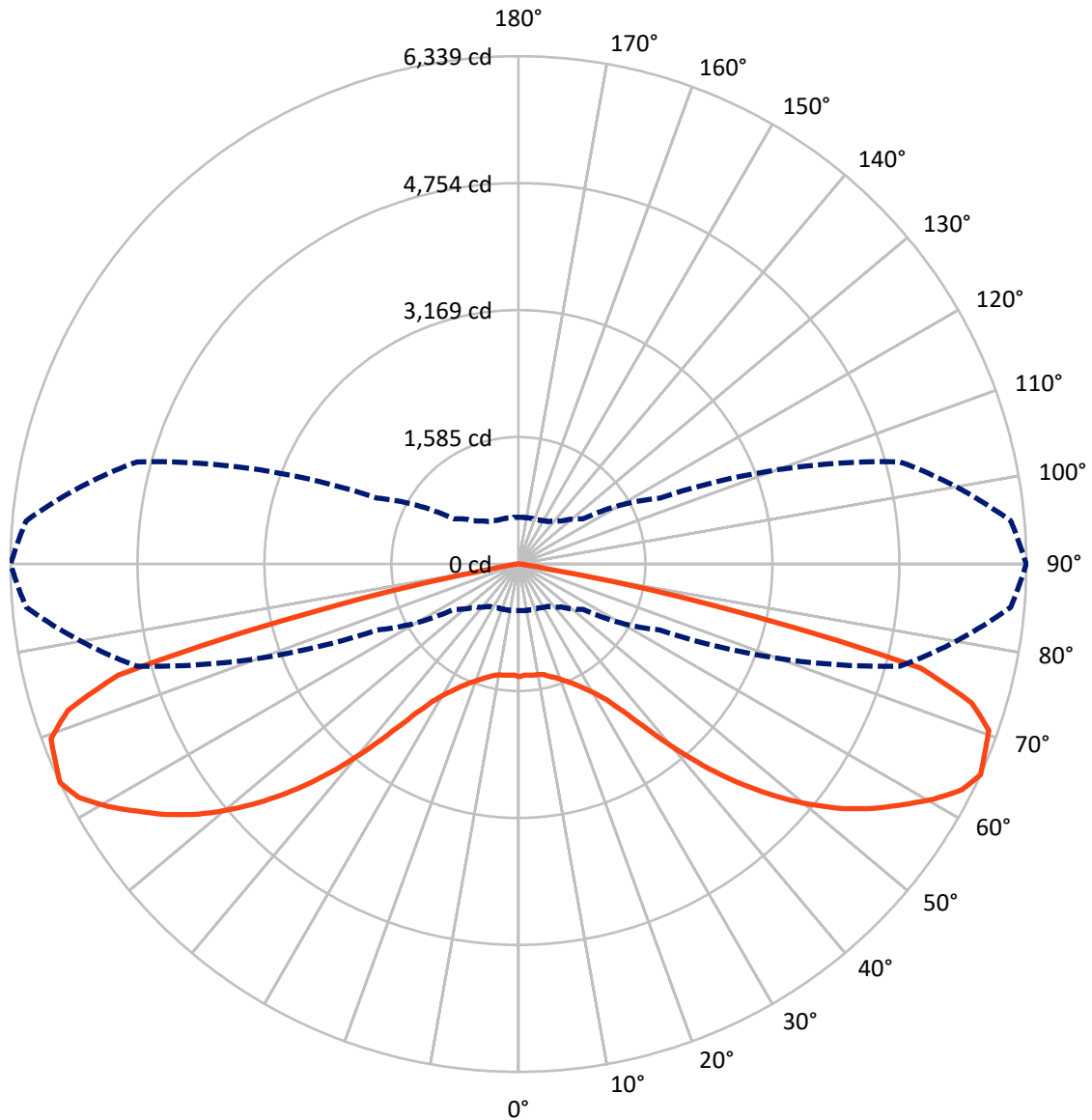


Based on 10 foot mounting height. Maximum calculated value = 14.1 fc
 Type V - Short - Full Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 90-Deg Lateral - - - Horizontal Cone Through 65-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4135.5	0.0	4135.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	4135.5	0.0	4135.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	8271.0	0.0	8271.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	133.3	1.6
10°-20°	393.9	4.8
20°-30°	645.8	7.8
30°-40°	933.9	11.3
40°-50°	1367.4	16.5
50°-60°	1773.9	21.4
60°-70°	1876.1	22.7
70°-80°	1101.3	13.3
80°-90°	45.4	0.5
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°	8271.0	100.0
0°-180°	8271.0	100.0



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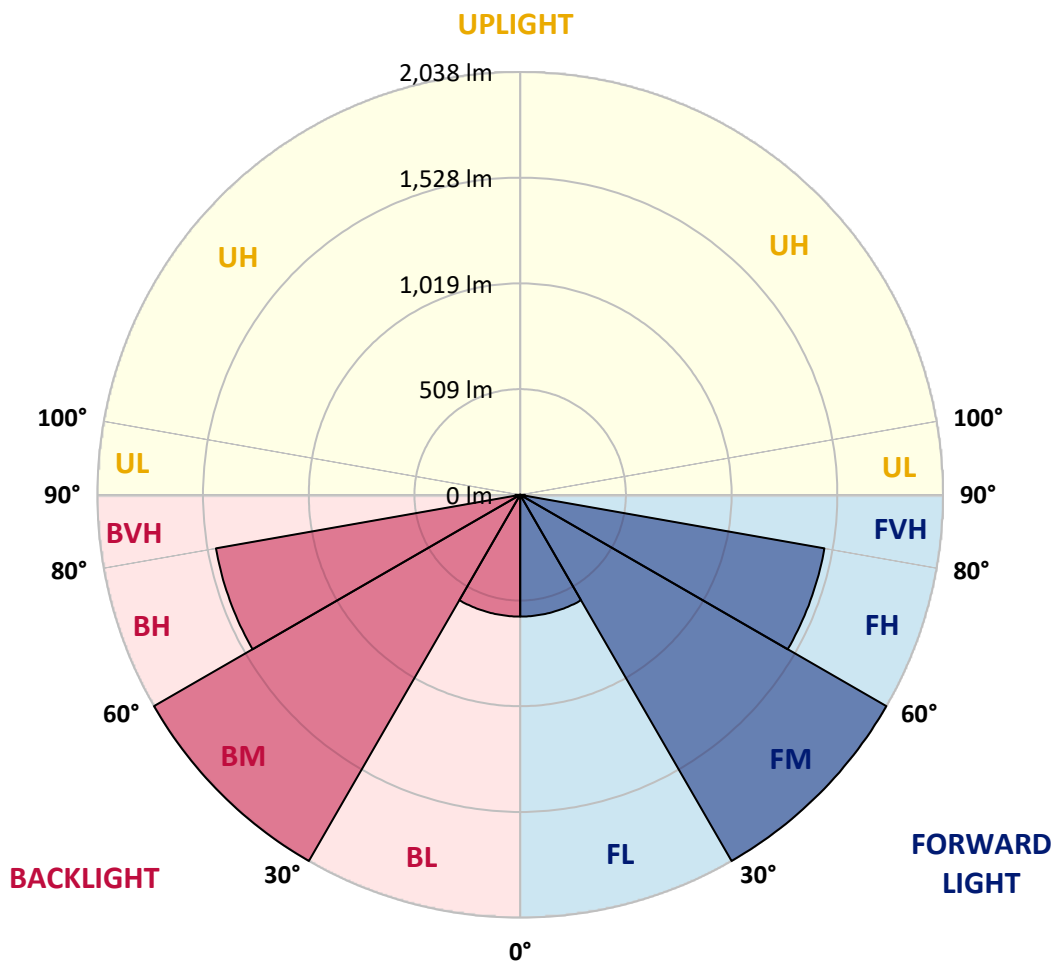
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	586.5	7.1			
FM	(30°-60°)	2037.6	24.6			
FH	(60°-80°)	1488.7	18.0			G1/1800
FVH	(80°-90°)	22.7	0.3			G1/100
BL	(0°-30°)	586.5	7.1	B2/1000		
BM	(30°-60°)	2037.6	24.6	B2/2500		
BH	(60°-80°)	1488.7	18.0	B3/2500		G1/1800
BVH	(80°-90°)	22.7	0.3			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G1

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	1407.8	1407.8	1407.8	1407.8	1407.8	1407.8	1407.8	1407.8	1407.8	1407.8	1407.8
2.5°	1421.4	1419.9	1412.1	1400.7	1397.1	1399.9	1399.2	1395.7	1395.7	1397.1	1387.8
5°	1412.8	1410.6	1401.4	1398.5	1399.2	1402.8	1402.1	1399.2	1400.7	1399.2	1392.1
7.5°	1397.8	1395.7	1389.9	1388.5	1387.1	1392.8	1398.5	1402.1	1406.4	1404.2	1399.2
10°	1383.5	1379.2	1379.9	1372.8	1375.7	1386.4	1392.1	1398.5	1404.9	1404.2	1402.8
12.5°	1362.1	1357.8	1360.0	1357.8	1367.8	1380.7	1397.8	1409.9	1417.1	1414.9	1417.1
15°	1335.7	1334.3	1337.8	1340.7	1358.5	1387.8	1406.4	1432.8	1448.5	1449.2	1454.2
17.5°	1305.7	1302.8	1309.3	1320.0	1352.8	1384.9	1431.3	1460.6	1483.5	1487.0	1491.3
20°	1255.0	1256.4	1266.4	1285.0	1331.4	1389.2	1446.3	1490.6	1523.4	1532.0	1541.3
22.5°	1191.5	1195.1	1213.6	1252.2	1312.1	1384.2	1462.8	1525.6	1572.7	1592.0	1597.7
25°	1125.1	1130.8	1160.8	1212.2	1290.0	1382.1	1483.5	1566.3	1633.4	1664.1	1667.6
27.5°	1065.8	1070.8	1109.4	1175.1	1269.3	1382.8	1502.0	1615.5	1706.2	1751.2	1758.3
30°	1005.9	1011.6	1051.6	1132.9	1248.6	1381.4	1523.4	1671.2	1793.3	1857.5	1868.3
32.5°	954.5	960.2	1001.6	1086.5	1222.9	1379.2	1549.1	1739.0	1898.2	2002.5	2016.7
35°	910.9	917.3	959.5	1043.0	1190.1	1379.9	1586.3	1831.8	2061.0	2233.0	2260.9
37.5°	874.5	880.9	918.1	1002.3	1156.5	1374.2	1631.2	1948.9	2276.6	2561.4	2612.8
40°	851.7	857.4	885.2	960.2	1115.8	1361.4	1683.4	2078.8	2540.0	2955.5	3045.5
42.5°	828.1	834.5	857.4	921.6	1072.3	1342.1	1729.0	2209.5	2814.9	3368.8	3497.3
45°	802.4	806.7	831.7	889.5	1029.4	1312.1	1769.0	2334.4	3103.3	3788.6	3927.8
47.5°	781.0	783.1	803.8	857.4	984.5	1267.9	1779.7	2441.5	3394.5	4197.0	4333.3
50°	766.7	763.1	782.4	828.8	942.3	1206.5	1761.2	2521.5	3707.9	4586.7	4716.0
52.5°	744.6	743.9	758.9	801.0	902.4	1135.8	1694.8	2560.0	4021.3	4951.5	5071.5
55°	723.9	723.9	736.0	768.9	860.2	1063.0	1581.3	2544.3	4321.9	5297.1	5384.9
57.5°	693.9	693.2	703.2	733.2	811.0	994.4	1437.8	2471.5	4566.0	5616.9	5664.7
60°	664.6	663.9	669.6	692.5	763.9	920.9	1284.3	2328.7	4808.1	5899.6	5956.7
62.5°	627.5	626.8	632.5	652.5	711.0	842.4	1133.7	2154.5	4950.1	6062.4	6210.1
65°	583.2	584.0	591.1	604.0	645.4	758.2	984.5	1946.8	4926.6	6168.0	6338.6
67.5°	541.1	539.0	544.7	546.8	577.5	669.6	845.2	1781.9	4746.7	6186.6	6279.4
70°	489.0	486.2	486.2	477.6	499.0	566.1	714.6	1609.1	4235.5	6017.4	6228.7
72.5°	409.1	409.1	404.8	395.5	409.1	459.0	595.4	1416.4	3431.7	5650.4	5912.4
75°	254.9	257.0	266.3	294.8	314.8	346.2	471.9	1193.6	2803.4	4701.0	5184.3
77.5°	130.6	133.5	137.1	137.8	142.8	149.2	224.9	668.2	1424.9	2342.3	2498.6
80°	32.8	33.6	80.7	90.0	96.4	99.2	82.8	222.7	369.1	345.5	337.7
82.5°	22.1	23.6	46.4	57.1	52.8	40.0	45.7	67.8	55.0	75.0	84.2
85°	12.1	12.1	20.7	22.1	22.8	25.7	22.8	22.1	25.0	47.8	55.7
87.5°	5.7	5.7	8.6	10.7	10.7	12.9	10.7	11.4	11.4	22.1	25.7
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)