

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: P233406

Luminaire Tested: **VERD-C01H-D-U-T1-8027**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P233406
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-C01H-D-U-T1-8027
Description: VERDEON ROADWAY AND AREA LUMINAIRE
(1) 80 CRI, 2700K, 1210mA LED AND TYPE I OPTIC
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8245 lumens
Efficiency: N/A
Efficacy: 112.9 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): 73
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

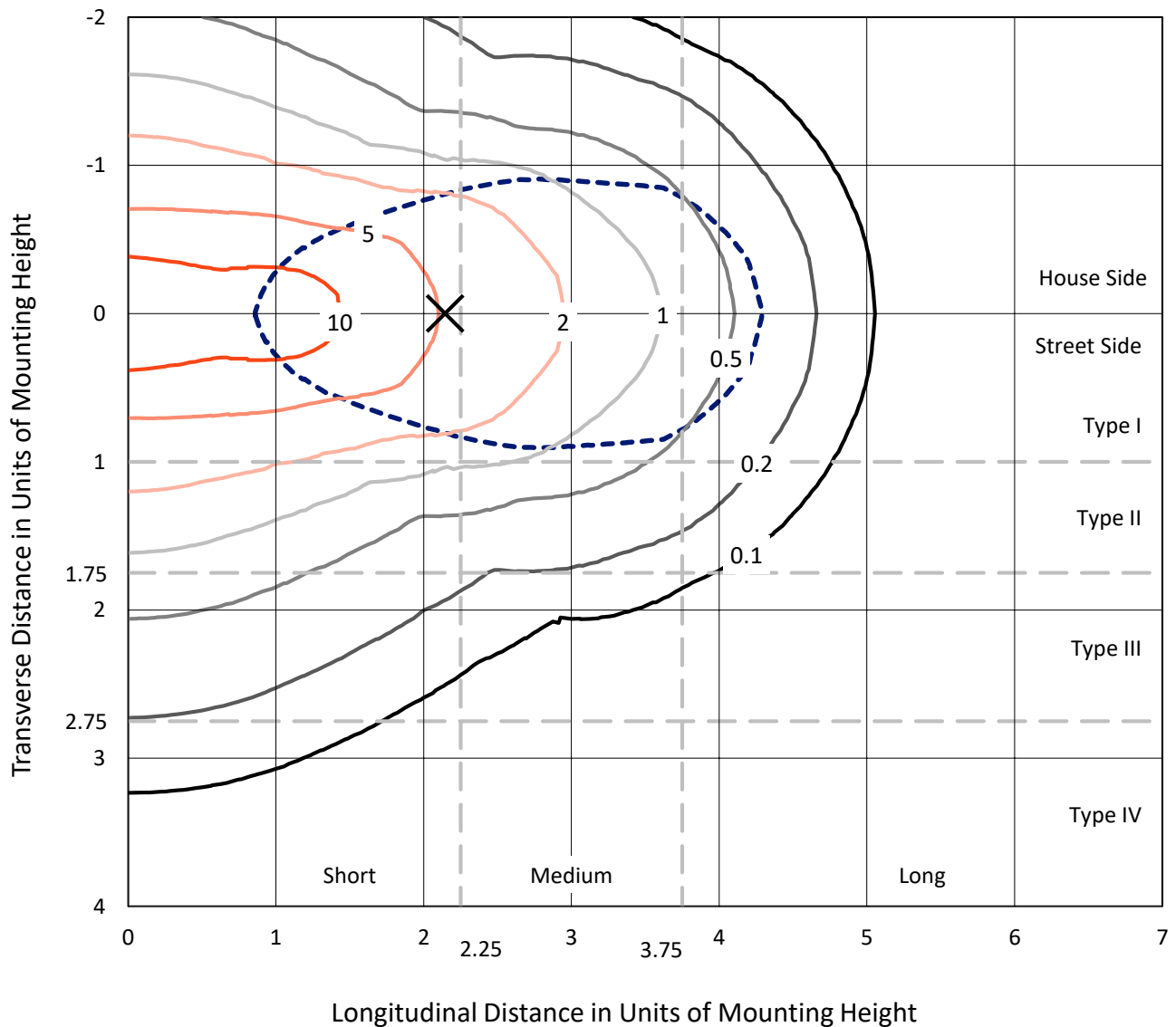


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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
 - - - 1/2 Max cd

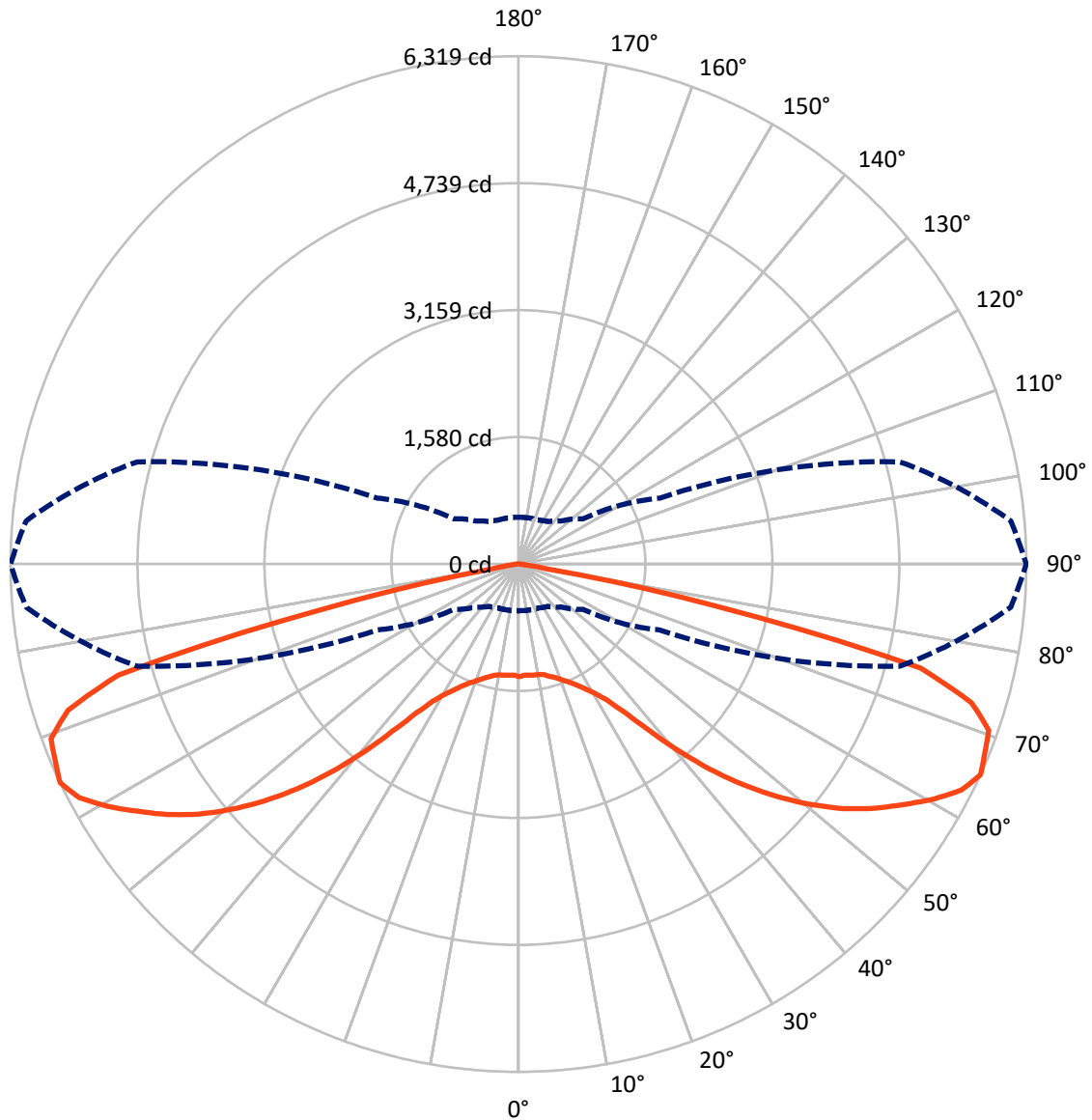


Based on 10 foot mounting height. Maximum calculated value = 14 fc
 Type V - Short - Full Cutoff

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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	4122.5	0.0	4122.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	4122.5	0.0	4122.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	8245.0	0.0	8245.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	132.9	1.6
10°-20°	392.6	4.8
20°-30°	643.8	7.8
30°-40°	930.9	11.3
40°-50°	1363.1	16.5
50°-60°	1768.4	21.4
60°-70°	1870.1	22.7
70°-80°	1097.8	13.3
80°-90°	45.2	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°	8245.0	100.0
0°-180°	8245.0	100.0



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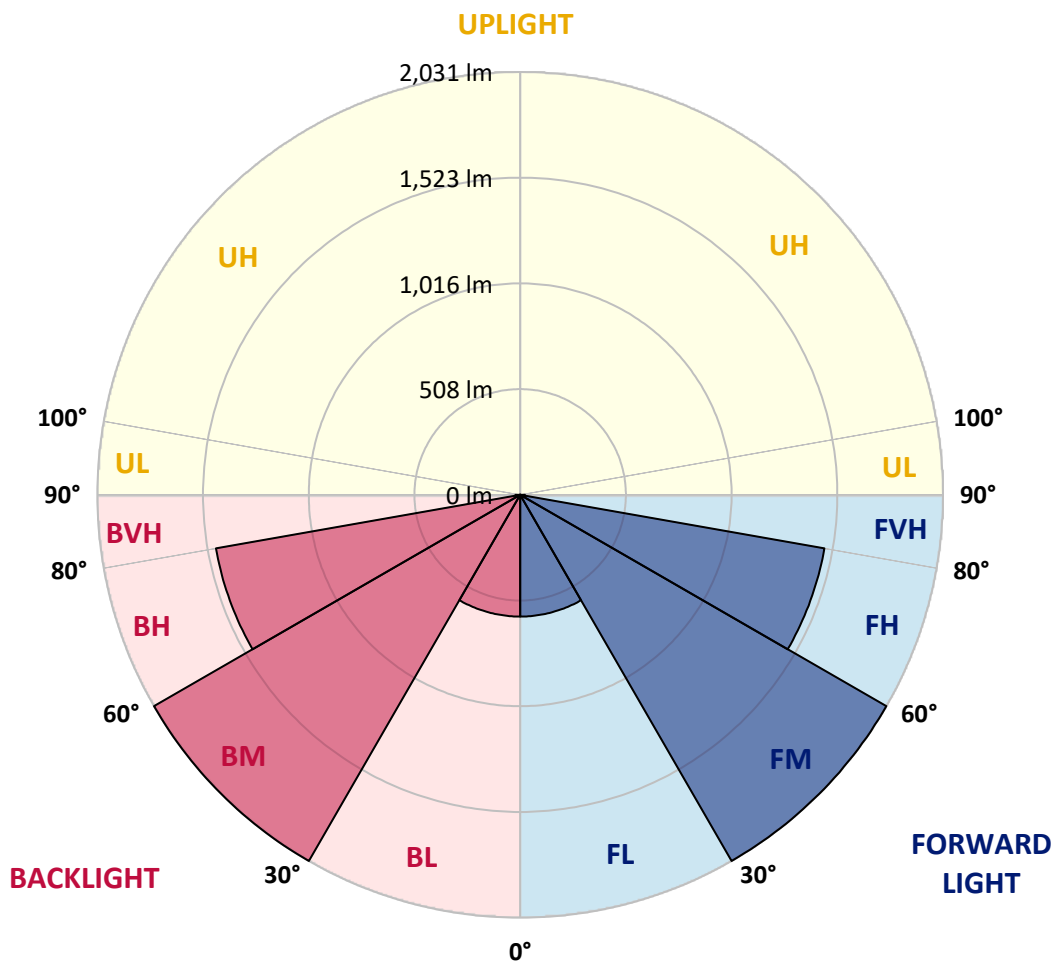
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	584.7	7.1			
FM (30°-60°)	2031.2	24.6			
FH (60°-80°)	1484.0	18.0			G1/1800
FVH (80°-90°)	22.6	0.3			G1/100
BL (0°-30°)	584.7	7.1	B2/1000		
BM (30°-60°)	2031.2	24.6	B2/2500		
BH (60°-80°)	1484.0	18.0	B3/2500		G1/1800
BVH (80°-90°)	22.6	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°	1403.4	1403.4	1403.4	1403.4	1403.4	1403.4	1403.4	1403.4	1403.4	1403.4	1403.4
2.5°	1416.9	1415.5	1407.6	1396.2	1392.7	1395.5	1394.8	1391.3	1391.3	1392.7	1383.4
5°	1408.3	1406.2	1397.0	1394.1	1394.8	1398.4	1397.7	1394.8	1396.2	1394.8	1387.7
7.5°	1393.4	1391.3	1385.6	1384.2	1382.7	1388.4	1394.1	1397.7	1401.9	1399.8	1394.8
10°	1379.2	1374.9	1375.6	1368.5	1371.3	1382.0	1387.7	1394.1	1400.5	1399.8	1398.4
12.5°	1357.8	1353.6	1355.7	1353.6	1363.5	1376.3	1393.4	1405.5	1412.6	1410.5	1412.6
15°	1331.5	1330.1	1333.6	1336.5	1354.3	1383.4	1401.9	1428.3	1443.9	1444.6	1449.6
17.5°	1301.6	1298.8	1305.2	1315.8	1348.6	1380.6	1426.9	1456.0	1478.8	1482.4	1486.6
20°	1251.1	1252.5	1262.5	1281.0	1327.2	1384.9	1441.8	1485.9	1518.7	1527.2	1536.4
22.5°	1187.7	1191.3	1209.8	1248.2	1308.0	1379.9	1458.2	1520.8	1567.8	1587.0	1592.7
25°	1121.6	1127.2	1157.1	1208.4	1285.9	1377.7	1478.8	1561.4	1628.2	1658.8	1662.4
27.5°	1062.5	1067.5	1105.9	1171.4	1265.3	1378.5	1497.3	1610.5	1700.8	1745.7	1752.8
30°	1002.7	1008.4	1048.3	1129.4	1244.7	1377.0	1518.7	1666.0	1787.7	1851.7	1862.4
32.5°	951.5	957.2	998.4	1083.1	1219.0	1374.9	1544.3	1733.6	1892.3	1996.2	2010.4
35°	908.1	914.5	956.5	1039.7	1186.3	1375.6	1581.3	1826.1	2054.5	2226.0	2253.8
37.5°	871.8	878.2	915.2	999.2	1152.9	1369.9	1626.1	1942.8	2269.4	2553.4	2604.6
40°	849.0	854.7	882.4	957.2	1112.3	1357.1	1678.1	2072.3	2532.0	2946.2	3035.9
42.5°	825.5	831.9	854.7	918.7	1068.9	1337.9	1723.6	2202.5	2806.0	3358.3	3486.4
45°	799.9	804.2	829.1	886.7	1026.2	1308.0	1763.5	2327.1	3093.5	3776.7	3915.5
47.5°	778.5	780.7	801.3	854.7	981.4	1263.9	1774.1	2433.8	3383.9	4183.8	4319.7
50°	764.3	760.7	780.0	826.2	939.4	1202.7	1755.6	2513.5	3696.3	4572.3	4701.1
52.5°	742.2	741.5	756.5	798.5	899.5	1132.2	1689.4	2552.0	4008.7	4936.0	5055.5
55°	721.6	721.6	733.7	766.4	857.5	1059.6	1576.3	2536.3	4308.3	5280.4	5367.9
57.5°	691.7	691.0	701.0	730.9	808.4	991.3	1433.3	2463.7	4551.7	5599.2	5646.9
60°	662.5	661.8	667.5	690.3	761.5	918.0	1280.3	2321.4	4792.9	5881.0	5938.0
62.5°	625.5	624.8	630.5	650.4	708.8	839.7	1130.1	2147.7	4934.6	6043.3	6190.6
65°	581.4	582.1	589.2	602.1	643.3	755.8	981.4	1940.7	4911.1	6148.6	6318.7
67.5°	539.4	537.3	543.0	545.1	575.7	667.5	842.6	1776.3	4731.7	6167.1	6259.6
70°	487.5	484.6	484.6	476.1	497.4	564.3	712.4	1604.1	4222.2	5998.5	6209.1
72.5°	407.8	407.8	403.5	394.3	407.8	457.6	593.5	1411.9	3420.9	5632.7	5893.9
75°	254.1	256.2	265.4	293.9	313.8	345.1	470.4	1189.9	2794.6	4686.2	5168.0
77.5°	130.2	133.1	136.6	137.3	142.3	148.7	224.2	666.1	1420.4	2334.9	2490.8
80°	32.7	33.4	80.4	89.7	96.1	98.9	82.6	222.0	367.9	344.4	336.6
82.5°	22.1	23.5	46.3	56.9	52.7	39.9	45.5	67.6	54.8	74.7	84.0
85°	12.1	12.1	20.6	22.1	22.8	25.6	22.8	22.1	24.9	47.7	55.5
87.5°	5.7	5.7	8.5	10.7	10.7	12.8	10.7	11.4	11.4	22.1	25.6
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)