

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: P233433

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

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P233433
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
Description: VERDEON ROADWAY AND AREA LUMINAIRE
(2) 70 CRI, 4000K, 790mA LEDS AND TYPE I OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8499 lumens
Efficiency: N/A
Efficacy: 137.1 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

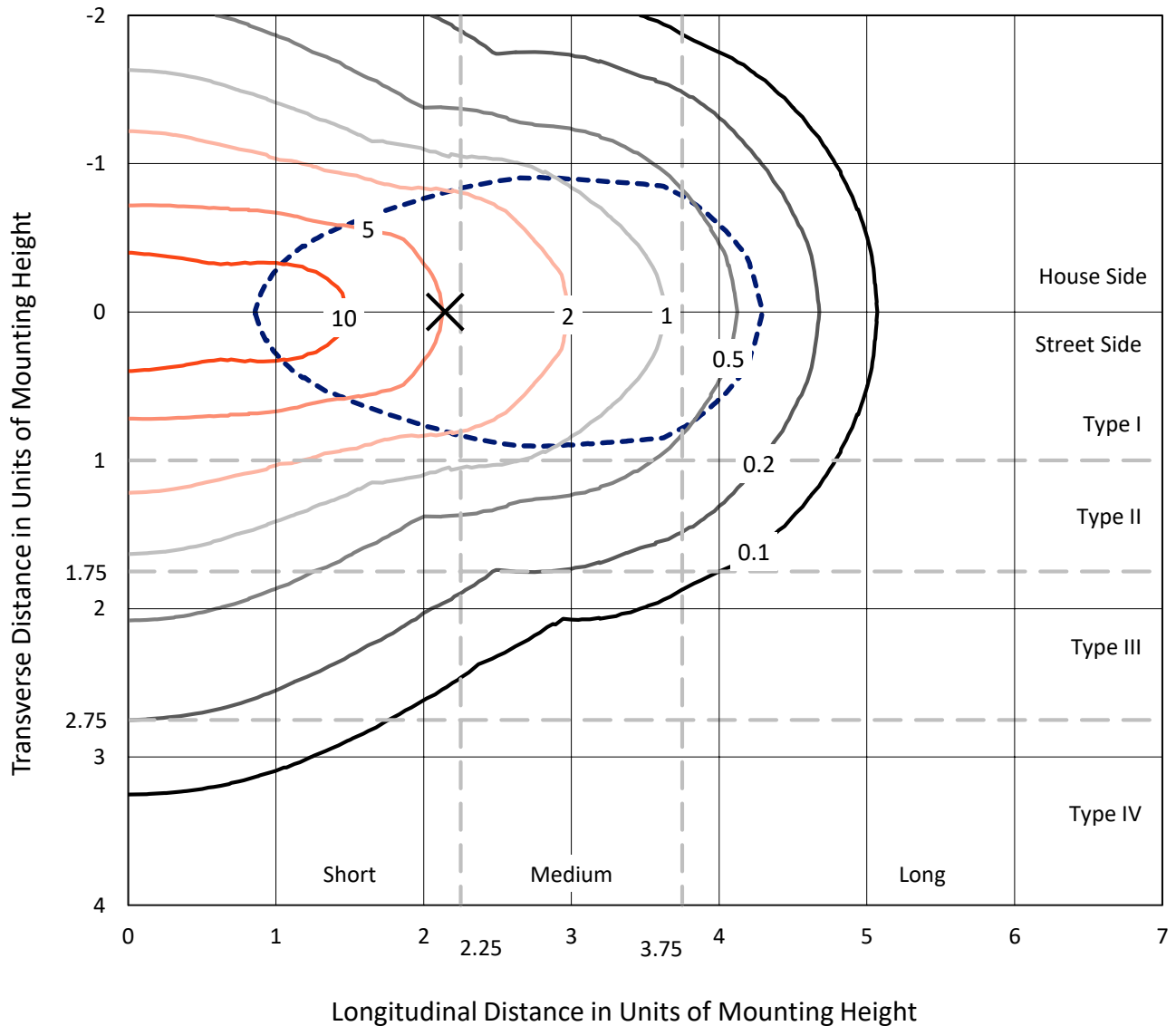


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Iso-Footcandle Lines of Horizontal Illumination

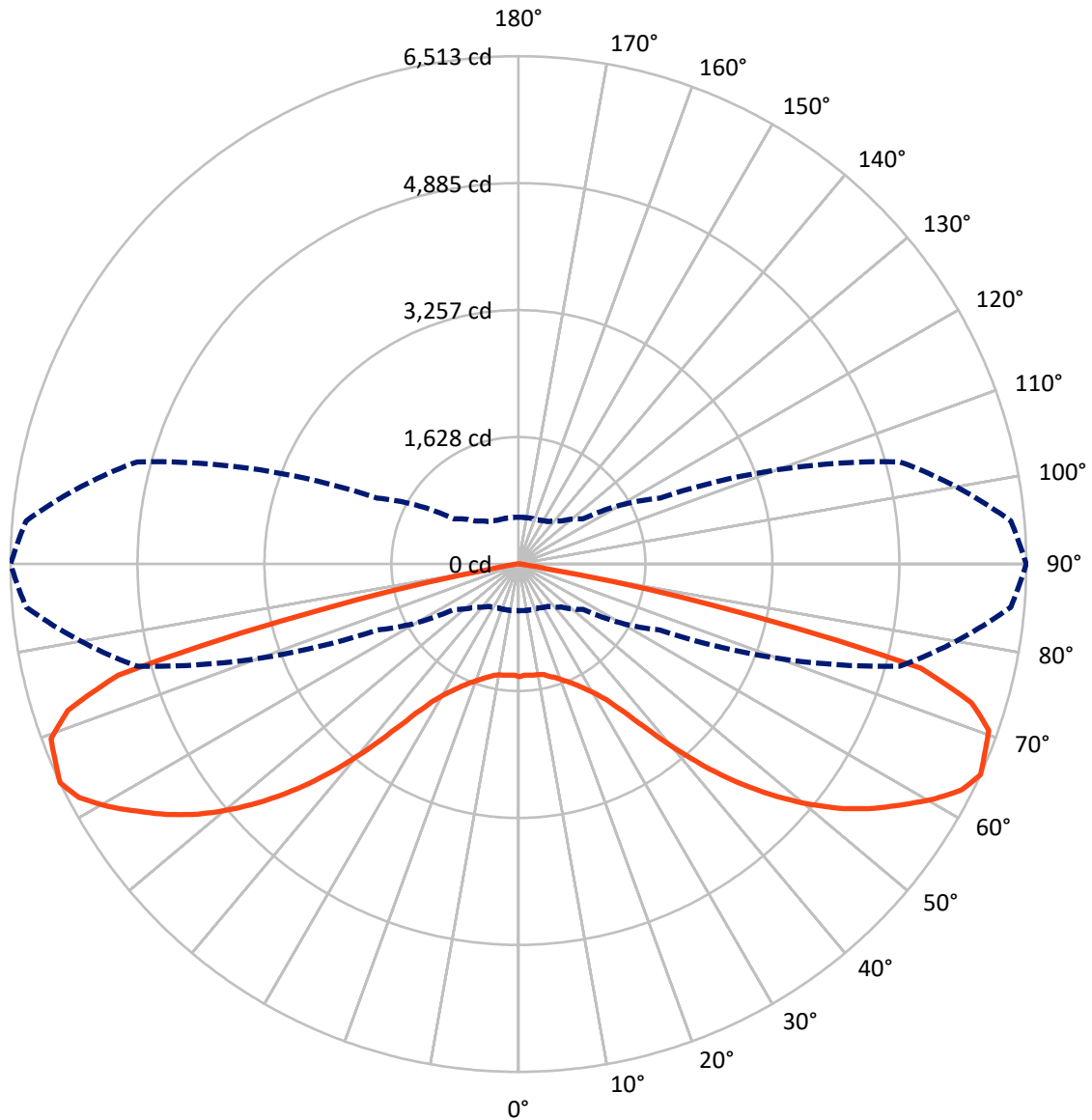
× Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 14.5 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	4249.5	0.0	4249.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	4249.5	0.0	4249.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	8499.0	0.0	8499.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	137.0	1.6
10°-20°	404.7	4.8
20°-30°	663.6	7.8
30°-40°	959.6	11.3
40°-50°	1405.1	16.5
50°-60°	1822.8	21.4
60°-70°	1927.8	22.7
70°-80°	1131.7	13.3
80°-90°	46.6	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°	8499.0	100.0
0°-180°	8499.0	100.0



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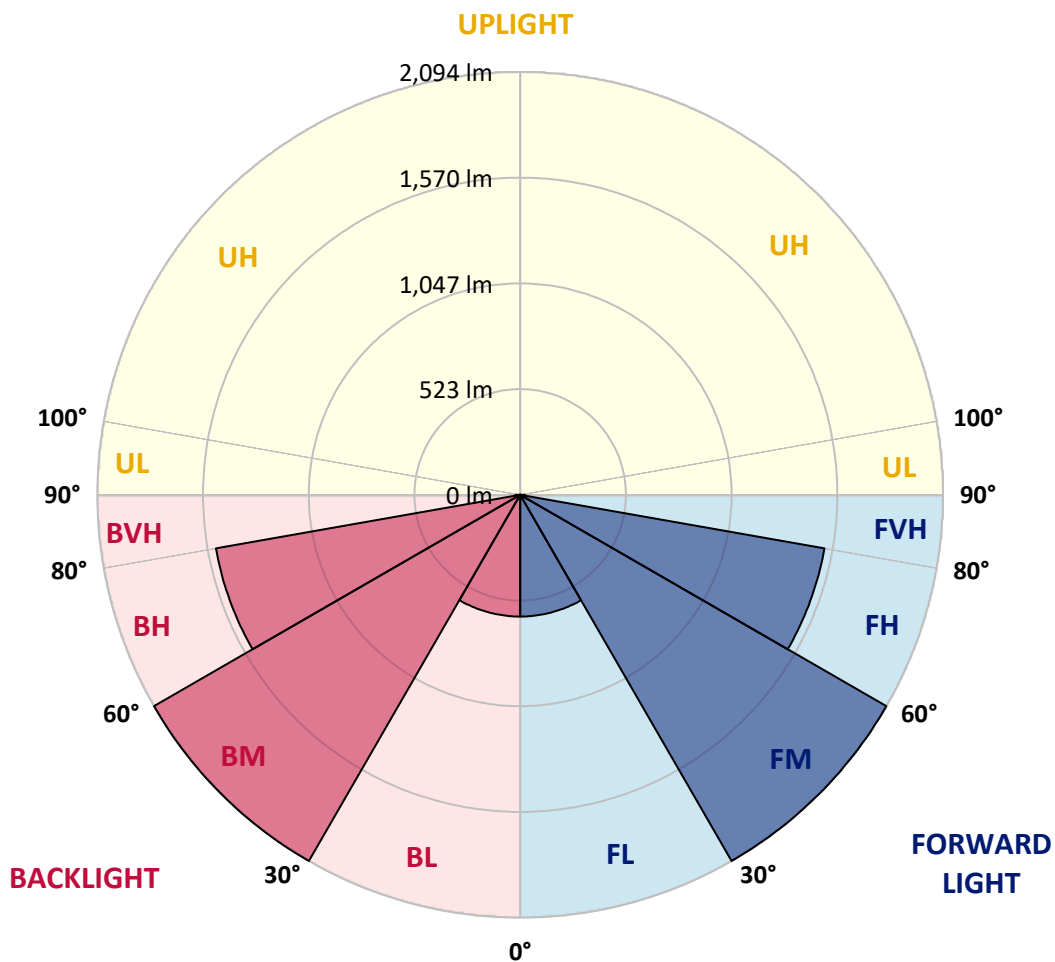
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	602.7	7.1			
FM	(30°-60°)	2093.8	24.6			
FH	(60°-80°)	1529.7	18.0			G1/1800
FVH	(80°-90°)	23.3	0.3			G1/100
BL	(0°-30°)	602.7	7.1	B2/1000		
BM	(30°-60°)	2093.8	24.6	B2/2500		
BH	(60°-80°)	1529.7	18.0	B3/2500		G1/1800
BVH	(80°-90°)	23.3	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°	1446.6	1446.6	1446.6	1446.6	1446.6	1446.6	1446.6	1446.6	1446.6	1446.6	1446.6
2.5°	1460.5	1459.1	1451.0	1439.3	1435.6	1438.5	1437.8	1434.1	1434.1	1435.6	1426.1
5°	1451.7	1449.5	1440.0	1437.1	1437.8	1441.5	1440.7	1437.8	1439.3	1437.8	1430.5
7.5°	1436.3	1434.1	1428.3	1426.8	1425.3	1431.2	1437.1	1440.7	1445.1	1442.9	1437.8
10°	1421.7	1417.3	1418.0	1410.7	1413.6	1424.6	1430.5	1437.1	1443.7	1442.9	1441.5
12.5°	1399.7	1395.2	1397.4	1395.2	1405.5	1418.7	1436.3	1448.8	1456.1	1453.9	1456.1
15°	1372.5	1371.0	1374.7	1377.6	1396.0	1426.1	1445.1	1472.3	1488.4	1489.1	1494.3
17.5°	1341.7	1338.8	1345.4	1356.4	1390.1	1423.1	1470.8	1500.9	1524.4	1528.0	1532.4
20°	1289.6	1291.1	1301.4	1320.4	1368.1	1427.5	1486.2	1531.7	1565.4	1574.2	1583.8
22.5°	1224.3	1228.0	1247.1	1286.7	1348.3	1422.4	1503.1	1567.6	1616.1	1635.9	1641.7
25°	1156.1	1162.0	1192.8	1245.6	1325.6	1420.2	1524.4	1609.5	1678.4	1710.0	1713.6
27.5°	1095.2	1100.4	1140.0	1207.5	1304.3	1420.9	1543.4	1660.1	1753.2	1799.4	1806.8
30°	1033.6	1039.5	1080.5	1164.2	1283.0	1419.5	1565.4	1717.3	1842.7	1908.7	1919.8
32.5°	980.8	986.7	1029.2	1116.5	1256.6	1417.3	1591.8	1787.0	1950.6	2057.7	2072.3
35°	936.0	942.6	985.9	1071.7	1222.9	1418.0	1630.0	1882.3	2117.8	2294.6	2323.2
37.5°	898.6	905.2	943.4	1029.9	1188.4	1412.1	1676.2	2002.6	2339.4	2632.0	2684.9
40°	875.1	881.0	909.6	986.7	1146.6	1398.9	1729.8	2136.2	2610.0	3037.0	3129.4
42.5°	850.9	857.5	881.0	947.0	1101.8	1379.1	1776.7	2270.4	2892.5	3461.7	3593.8
45°	824.5	828.9	854.6	914.0	1057.8	1348.3	1817.8	2398.8	3188.8	3893.1	4036.1
47.5°	802.5	804.7	826.0	881.0	1011.6	1302.8	1828.8	2508.8	3488.1	4312.7	4452.8
50°	787.9	784.2	804.0	851.7	968.3	1239.7	1809.7	2591.0	3810.2	4713.2	4846.0
52.5°	765.1	764.4	779.8	823.1	927.2	1167.1	1741.5	2630.6	4132.2	5088.0	5211.3
55°	743.8	743.8	756.3	790.1	884.0	1092.3	1624.9	2614.4	4441.0	5443.1	5533.3
57.5°	713.0	712.3	722.6	753.4	833.3	1021.9	1477.4	2539.6	4691.9	5771.7	5820.9
60°	683.0	682.2	688.1	711.6	784.9	946.3	1319.7	2392.9	4940.6	6062.2	6120.9
62.5°	644.8	644.1	649.9	670.5	730.6	865.6	1164.9	2213.9	5086.6	6229.5	6381.3
65°	599.3	600.1	607.4	620.6	663.1	779.1	1011.6	2000.4	5062.4	6338.0	6513.4
67.5°	556.0	553.8	559.7	561.9	593.5	688.1	868.5	1831.0	4877.5	6357.1	6452.5
70°	502.5	499.6	499.6	490.8	512.8	581.7	734.3	1653.5	4352.3	6183.3	6400.4
72.5°	420.3	420.3	415.9	406.4	420.3	471.7	611.8	1455.4	3526.3	5806.2	6075.4
75°	261.9	264.1	273.6	303.0	323.5	355.8	484.9	1226.5	2880.7	4830.6	5327.2
77.5°	134.2	137.2	140.8	141.6	146.7	153.3	231.1	686.6	1464.2	2406.8	2567.5
80°	33.7	34.5	82.9	92.4	99.0	102.0	85.1	228.9	379.3	355.0	347.0
82.5°	22.7	24.2	47.7	58.7	54.3	41.1	46.9	69.7	56.5	77.0	86.6
85°	12.5	12.5	21.3	22.7	23.5	26.4	23.5	22.7	25.7	49.1	57.2
87.5°	5.9	5.9	8.8	11.0	11.0	13.2	11.0	11.7	11.7	22.7	26.4
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)