

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: P233409

Luminaire Tested: **VERD-C029-D-U-T1-8027**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P233409
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-C029-D-U-T1-8027
Description: VERDEON ROADWAY AND AREA LUMINAIRE
(2) 80 CRI, 2700K, 1030mA LEDS AND TYPE I OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 9409 lumens
Efficiency: N/A
Efficacy: 116.2 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): 81
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

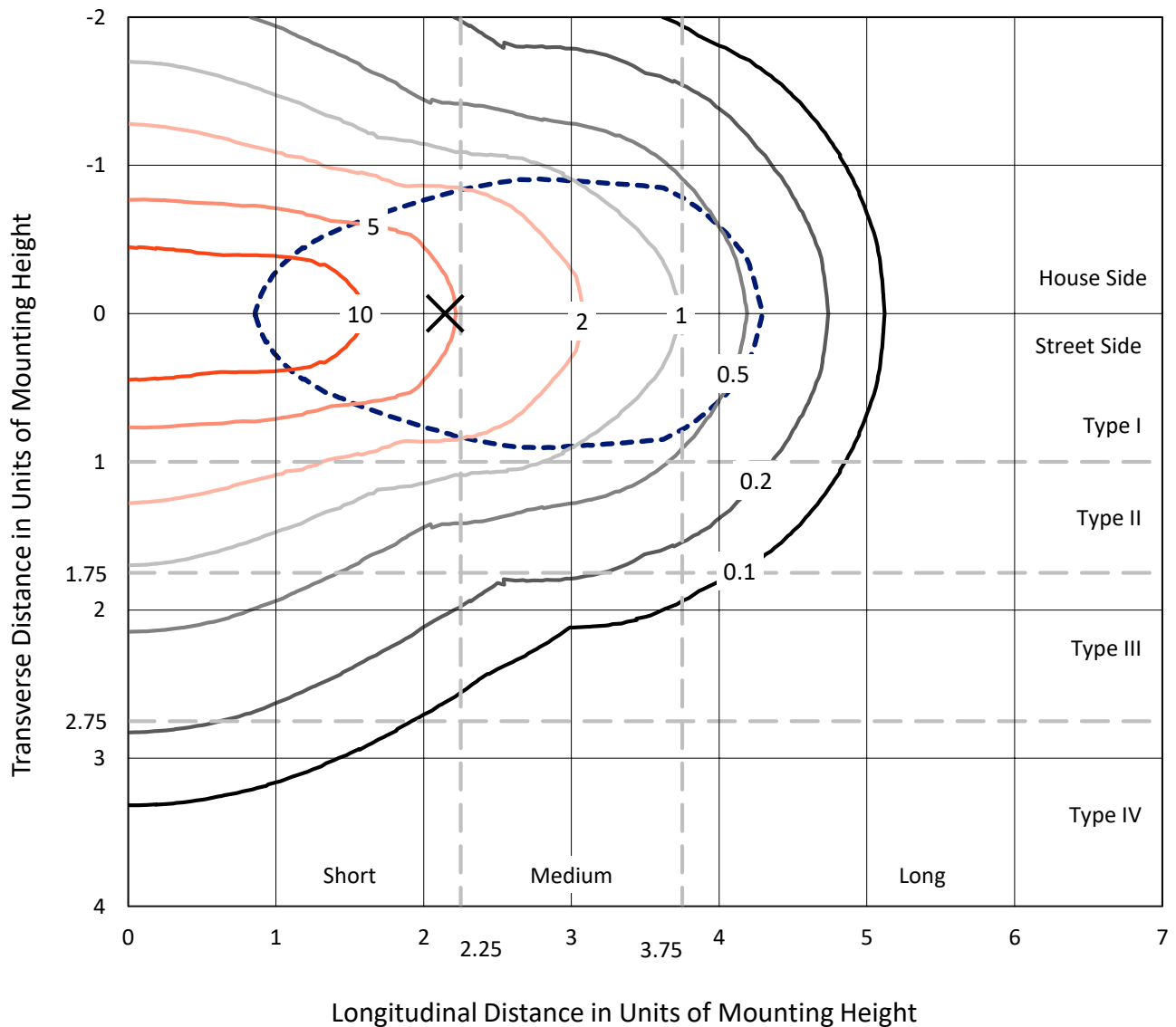


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

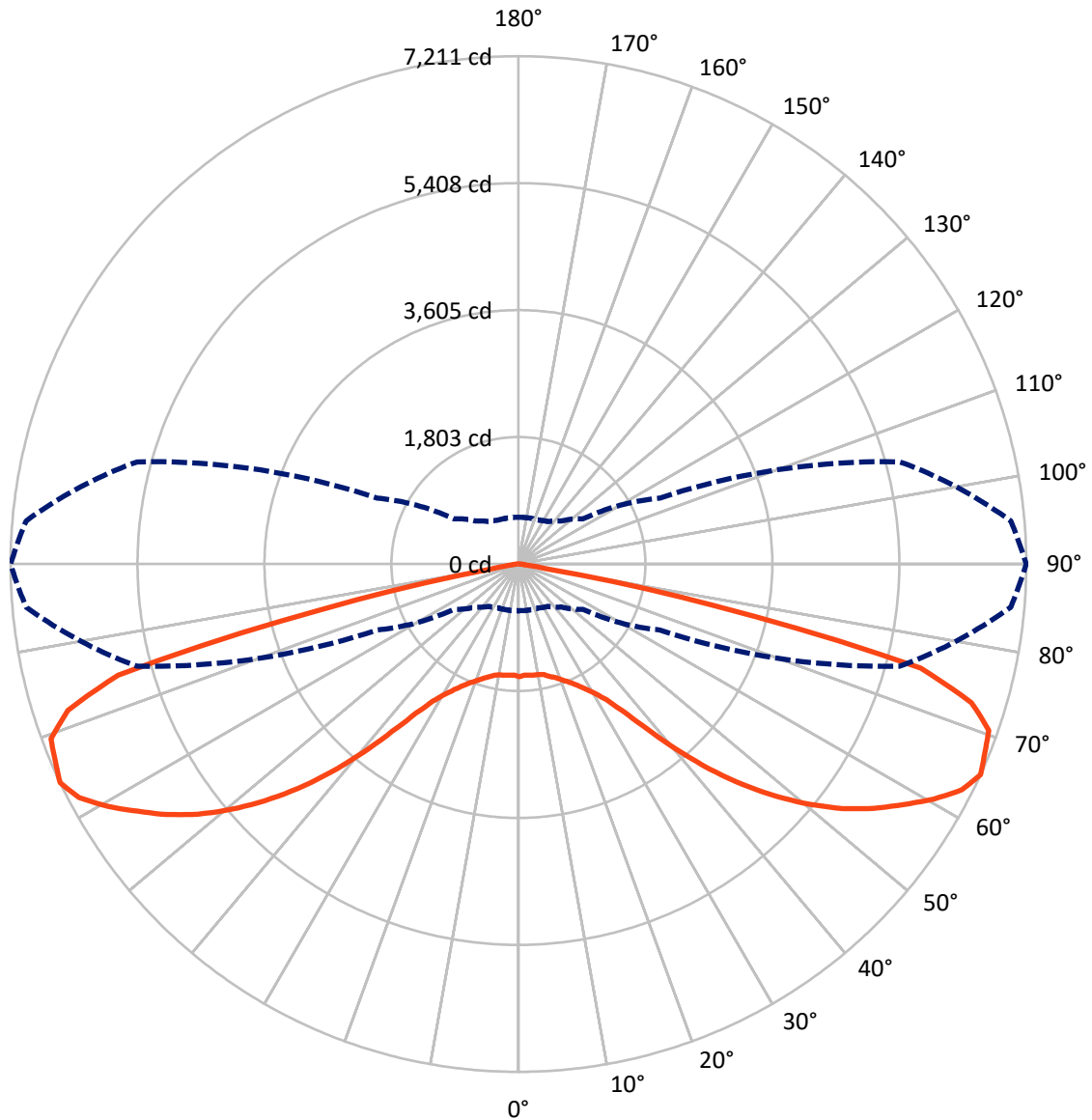


Based on 10 foot mounting height. Maximum calculated value = 16 fc
 Type V - Short - Full Cutoff

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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	4704.5	0.0	4704.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	4704.5	0.0	4704.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	9409.0	0.0	9409.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	151.7	1.6
10°-20°	448.1	4.8
20°-30°	734.7	7.8
30°-40°	1062.4	11.3
40°-50°	1555.6	16.5
50°-60°	2018.0	21.4
60°-70°	2134.2	22.7
70°-80°	1252.8	13.3
80°-90°	51.6	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°	9409.0	100.0
0°-180°	9409.0	100.0



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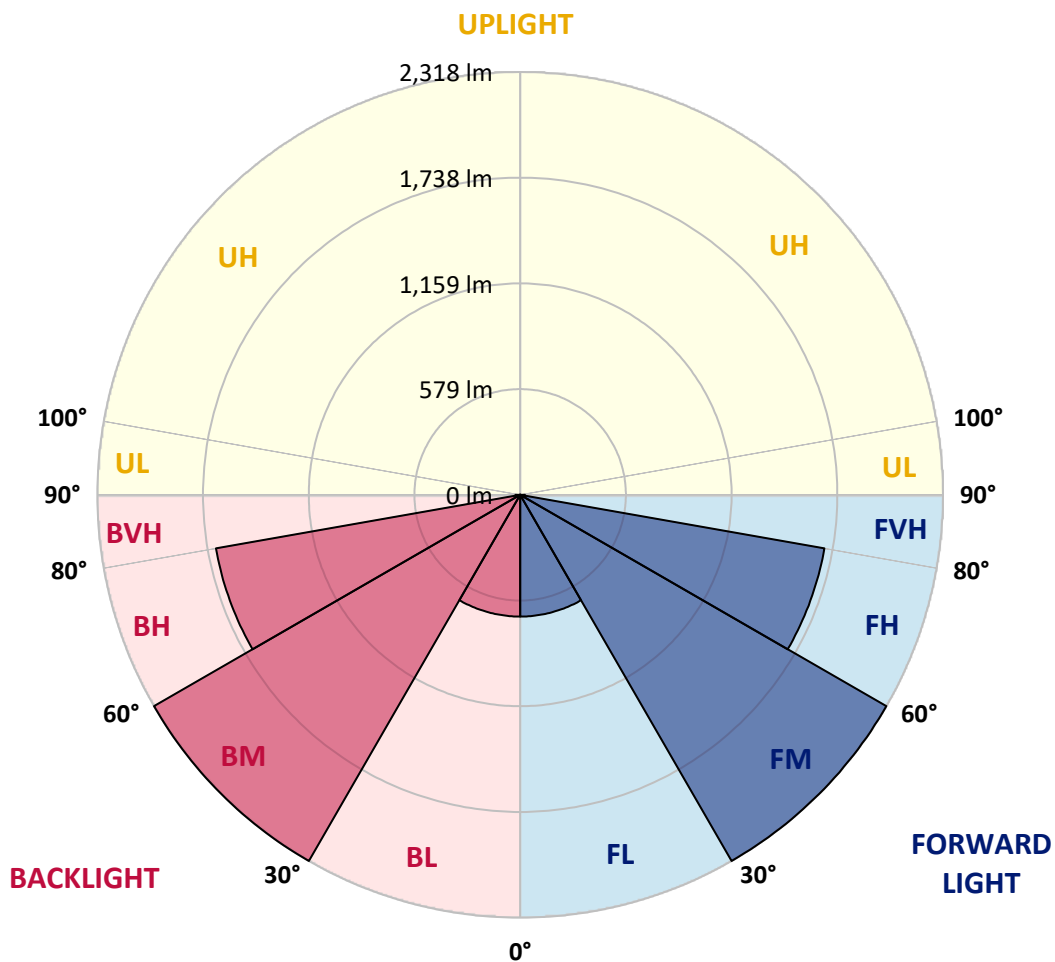
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	667.2	7.1			
FM (30°-60°)	2318.0	24.6			
FH (60°-80°)	1693.5	18.0			G1/1800
FVH (80°-90°)	25.8	0.3			G1/100
BL (0°-30°)	667.2	7.1	B2/1000		
BM (30°-60°)	2318.0	24.6	B2/2500		
BH (60°-80°)	1693.5	18.0	B3/2500		G1/1800
BVH (80°-90°)	25.8	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°	1601.5	1601.5	1601.5	1601.5	1601.5	1601.5	1601.5	1601.5	1601.5	1601.5	1601.5
2.5°	1616.9	1615.3	1606.4	1593.4	1589.3	1592.6	1591.7	1587.7	1587.7	1589.3	1578.7
5°	1607.2	1604.7	1594.2	1590.9	1591.7	1595.8	1595.0	1591.7	1593.4	1591.7	1583.6
7.5°	1590.1	1587.7	1581.2	1579.6	1577.9	1584.4	1590.9	1595.0	1599.9	1597.4	1591.7
10°	1573.9	1569.0	1569.8	1561.7	1564.9	1577.1	1583.6	1590.9	1598.2	1597.4	1595.8
12.5°	1549.5	1544.6	1547.1	1544.6	1556.0	1570.6	1590.1	1603.9	1612.0	1609.6	1612.0
15°	1519.5	1517.8	1521.9	1525.1	1545.5	1578.7	1599.9	1629.9	1647.8	1648.6	1654.3
17.5°	1485.4	1482.1	1489.4	1501.6	1539.0	1575.5	1628.3	1661.6	1687.6	1691.6	1696.5
20°	1427.7	1429.3	1440.7	1461.8	1514.6	1580.4	1645.3	1695.7	1733.1	1742.8	1753.4
22.5°	1355.4	1359.5	1380.6	1424.4	1492.7	1574.7	1664.0	1735.5	1789.1	1811.0	1817.5
25°	1279.9	1286.4	1320.5	1379.0	1467.5	1572.3	1687.6	1781.8	1858.1	1893.0	1897.1
27.5°	1212.5	1218.2	1262.0	1336.7	1443.9	1573.1	1708.7	1837.8	1941.0	1992.1	2000.2
30°	1144.3	1150.8	1196.2	1288.8	1420.4	1571.4	1733.1	1901.2	2040.0	2113.1	2125.3
32.5°	1085.8	1092.3	1139.4	1236.0	1391.2	1569.0	1762.3	1978.3	2159.4	2278.0	2294.2
35°	1036.3	1043.6	1091.5	1186.5	1353.8	1569.8	1804.5	2083.9	2344.6	2540.3	2572.0
37.5°	994.8	1002.1	1044.4	1140.2	1315.6	1563.3	1855.7	2217.1	2589.8	2913.9	2972.3
40°	968.9	975.3	1007.0	1092.3	1269.3	1548.7	1915.0	2364.9	2889.5	3362.2	3464.5
42.5°	942.1	949.4	975.3	1048.4	1219.8	1526.8	1966.9	2513.5	3202.2	3832.4	3978.5
45°	912.8	917.7	946.1	1011.9	1171.1	1492.7	2012.4	2655.6	3530.3	4309.9	4468.2
47.5°	888.5	890.9	914.4	975.3	1119.9	1442.3	2024.6	2777.4	3861.6	4774.4	4929.5
50°	872.2	868.1	890.1	942.9	1072.0	1372.5	2003.5	2868.4	4218.1	5217.8	5364.8
52.5°	847.0	846.2	863.3	911.2	1026.5	1292.1	1928.0	2912.2	4574.6	5632.8	5769.3
55°	823.5	823.5	837.3	874.6	978.6	1209.2	1798.8	2894.4	4916.5	6025.9	6125.8
57.5°	789.4	788.6	799.9	834.0	922.6	1131.3	1635.6	2811.5	5194.3	6389.7	6444.1
60°	756.1	755.3	761.8	787.8	869.0	1047.6	1461.0	2649.1	5469.6	6711.3	6776.3
62.5°	713.8	713.0	719.5	742.3	808.9	958.3	1289.6	2451.0	5631.2	6896.5	7064.6
65°	663.5	664.3	672.4	687.0	734.2	862.5	1119.9	2214.6	5604.4	7016.7	7210.8
67.5°	615.6	613.1	619.6	622.1	657.0	761.8	961.5	2027.0	5399.7	7037.8	7143.4
70°	556.3	553.0	553.0	543.3	567.7	644.0	812.9	1830.5	4818.3	6845.3	7085.7
72.5°	465.3	465.3	460.5	449.9	465.3	522.2	677.3	1611.2	3903.8	6427.9	6725.9
75°	289.9	292.4	302.9	335.4	358.1	393.9	536.8	1357.9	3189.2	5347.8	5897.6
77.5°	148.6	151.9	155.9	156.7	162.4	169.7	255.8	760.1	1621.0	2664.5	2842.4
80°	37.4	38.2	91.8	102.3	109.6	112.9	94.2	253.4	419.9	393.1	384.1
82.5°	25.2	26.8	52.8	65.0	60.1	45.5	52.0	77.2	62.5	85.3	95.8
85°	13.8	13.8	23.6	25.2	26.0	29.2	26.0	25.2	28.4	54.4	63.3
87.5°	6.5	6.5	9.7	12.2	12.2	14.6	12.2	13.0	13.0	25.2	29.2
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)