

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: P233422

Luminaire Tested: **VERD-C029-D-U-T1-7030**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P233422
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-T1-7030
Description: VERDEON ROADWAY AND AREA LUMINAIRE
(2) 70 CRI, 3000K, 1030mA LEDS AND TYPE I OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 10391 lumens
Efficiency: N/A
Efficacy: 128.3 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 - G2

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

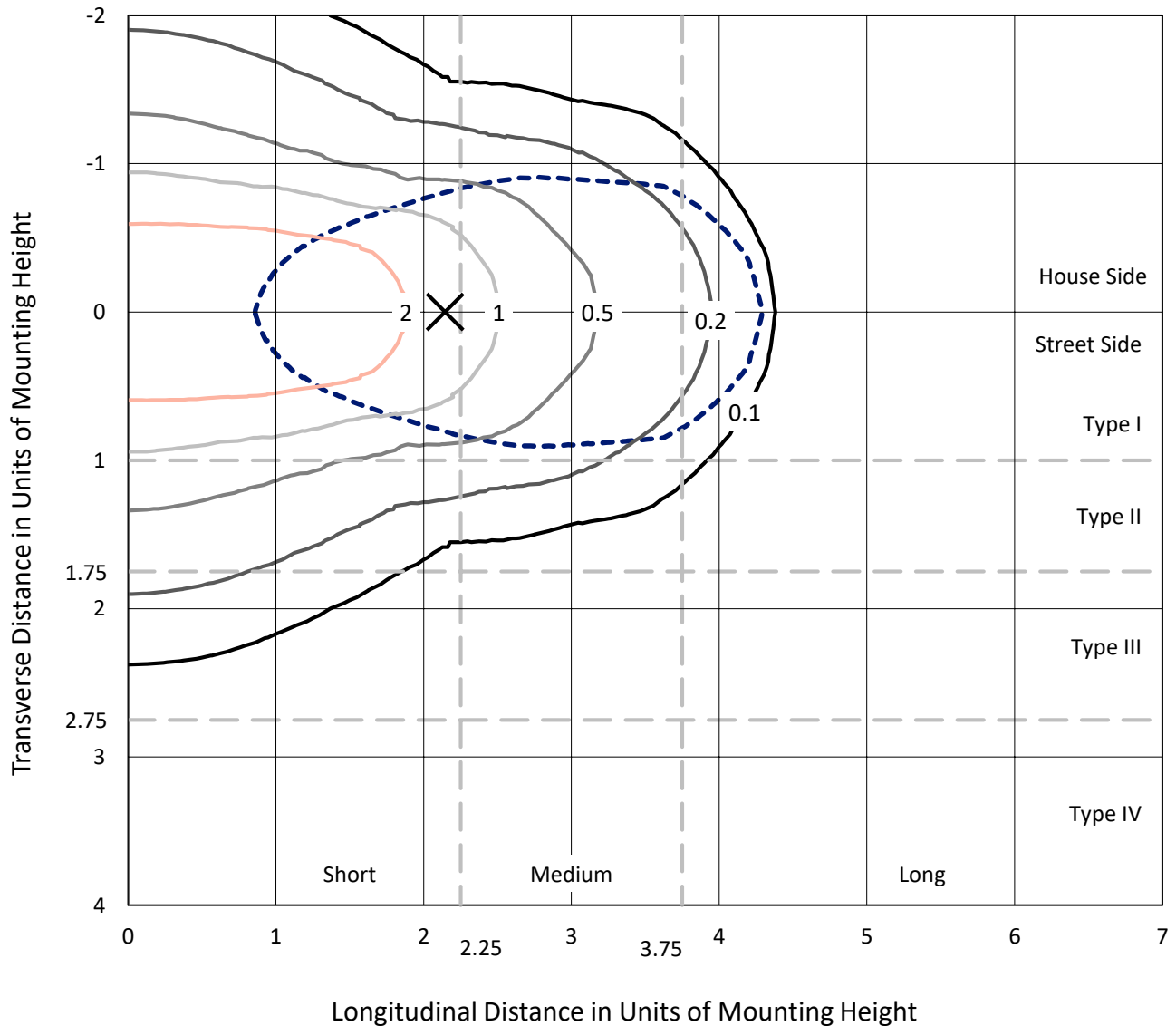


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

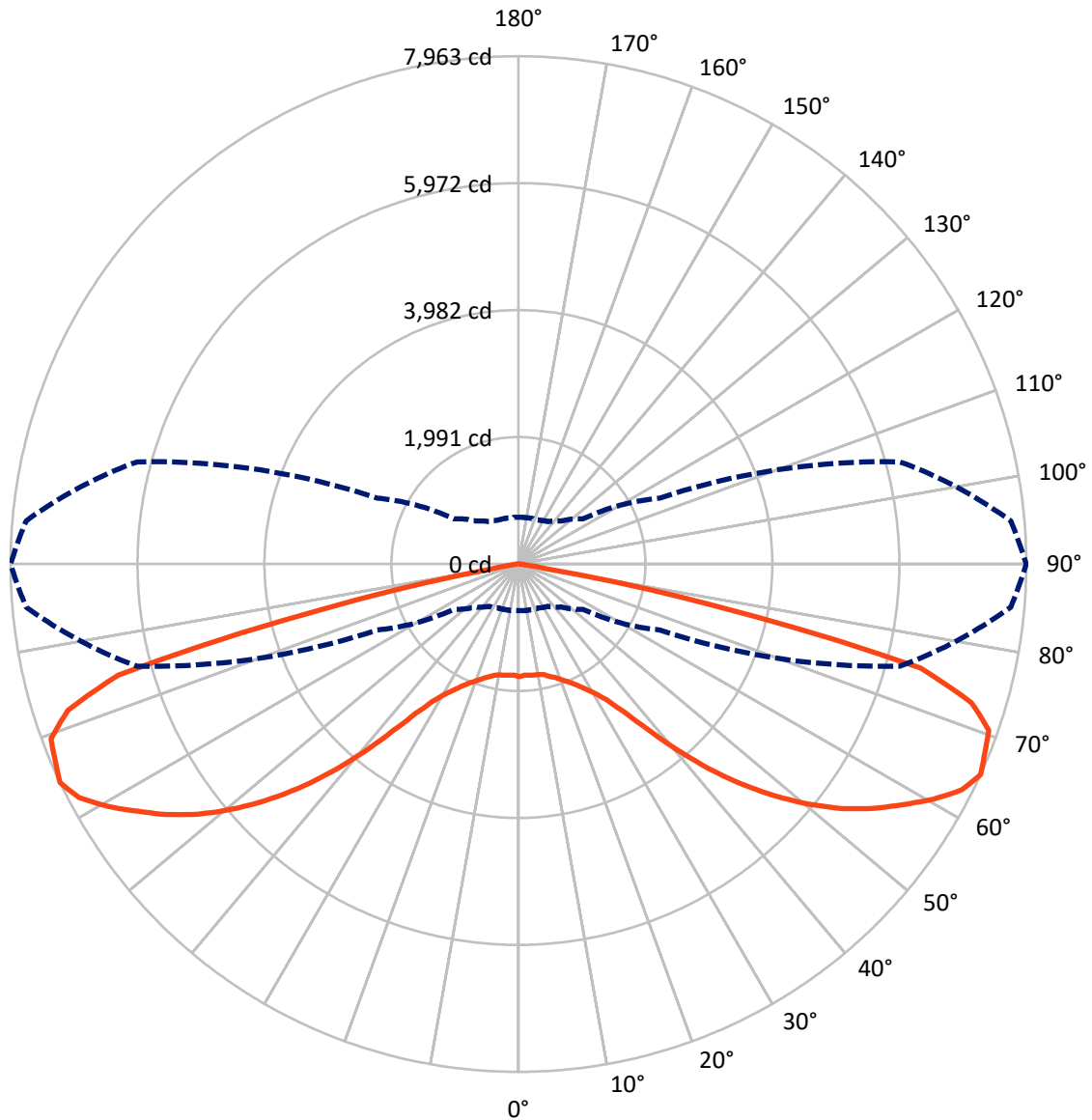


Based on 20 foot mounting height. Maximum calculated value = 4.4 fc
 Type V - Short - Full Cutoff

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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	5195.5	0.0	5195.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	5195.5	0.0	5195.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	10391.0	0.0	10391.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	167.5	1.6
10°-20°	494.8	4.8
20°-30°	811.4	7.8
30°-40°	1173.2	11.3
40°-50°	1717.9	16.5
50°-60°	2228.6	21.4
60°-70°	2356.9	22.7
70°-80°	1383.6	13.3
80°-90°	57.0	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°	10391.0	100.0
0°-180°	10391.0	100.0



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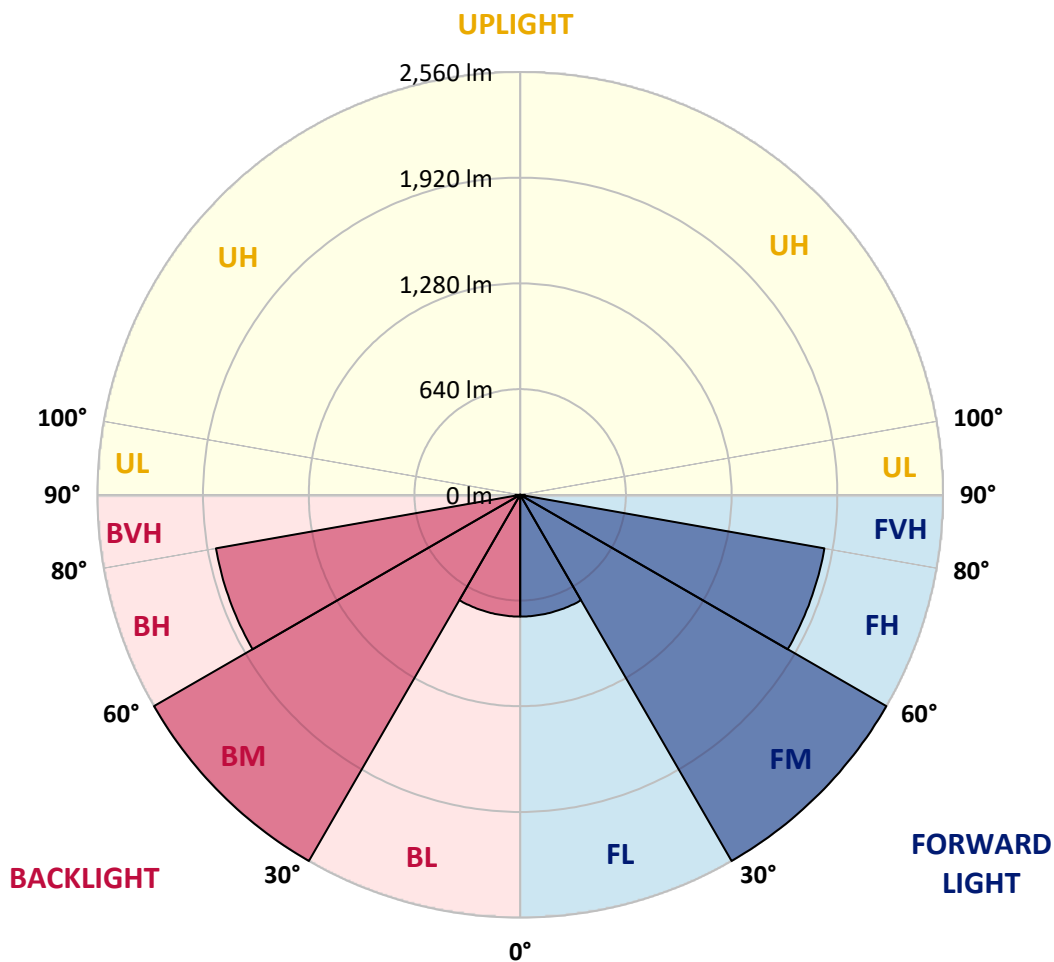
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	736.8	7.1			
FM	(30°-60°)	2559.9	24.6			
FH	(60°-80°)	1870.3	18.0			G2/5000
FVH	(80°-90°)	28.5	0.3			G1/100
BL	(0°-30°)	736.8	7.1	B2/1000		
BM	(30°-60°)	2559.9	24.6	B3/5000		
BH	(60°-80°)	1870.3	18.0	B3/2500		G2/5000
BVH	(80°-90°)	28.5	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-G2

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	1768.6	1768.6	1768.6	1768.6	1768.6	1768.6	1768.6	1768.6	1768.6	1768.6	1768.6
2.5°	1785.7	1783.9	1774.0	1759.7	1755.2	1758.8	1757.9	1753.4	1753.4	1755.2	1743.5
5°	1774.9	1772.2	1760.6	1757.0	1757.9	1762.4	1761.5	1757.9	1759.7	1757.9	1748.9
7.5°	1756.1	1753.4	1746.2	1744.4	1742.6	1749.8	1757.0	1761.5	1766.8	1764.1	1757.9
10°	1738.1	1732.8	1733.7	1724.7	1728.3	1741.7	1748.9	1757.0	1765.0	1764.1	1762.4
12.5°	1711.2	1705.9	1708.5	1705.9	1718.4	1734.6	1756.1	1771.3	1780.3	1777.6	1780.3
15°	1678.0	1676.3	1680.7	1684.3	1706.7	1743.5	1766.8	1800.0	1819.8	1820.7	1826.9
17.5°	1640.4	1636.8	1644.9	1658.3	1699.6	1739.9	1798.2	1835.0	1863.7	1868.2	1873.6
20°	1576.7	1578.5	1591.1	1614.4	1672.7	1745.3	1817.1	1872.7	1913.9	1924.7	1936.3
22.5°	1496.9	1501.4	1524.7	1573.1	1648.5	1739.0	1837.7	1916.6	1975.8	2000.0	2007.2
25°	1413.5	1420.6	1458.3	1522.9	1620.6	1736.3	1863.7	1967.7	2052.0	2090.6	2095.1
27.5°	1339.0	1345.3	1393.7	1476.3	1594.6	1737.2	1887.0	2029.6	2143.5	2200.0	2209.0
30°	1263.7	1270.9	1321.1	1423.3	1568.6	1735.4	1913.9	2099.6	2252.9	2333.7	2347.1
32.5°	1199.1	1206.3	1258.3	1365.0	1536.3	1732.8	1946.2	2184.8	2384.8	2515.7	2533.7
35°	1144.4	1152.5	1205.4	1310.3	1495.1	1733.7	1992.9	2301.4	2589.3	2805.4	2840.4
37.5°	1098.7	1106.7	1153.4	1259.2	1452.9	1726.5	2049.4	2448.5	2860.1	3218.0	3282.6
40°	1070.0	1077.1	1112.1	1206.3	1401.8	1710.3	2114.8	2611.7	3191.1	3713.1	3826.1
42.5°	1040.4	1048.4	1077.1	1157.9	1347.1	1686.1	2172.2	2775.8	3536.4	4232.3	4393.8
45°	1008.1	1013.5	1044.9	1117.5	1293.3	1648.5	2222.5	2932.8	3898.7	4759.7	4934.6
47.5°	981.2	983.9	1009.9	1077.1	1236.8	1592.8	2235.9	3067.3	4264.6	5272.7	5444.0
50°	963.2	958.8	983.0	1041.3	1183.9	1515.7	2212.6	3167.8	4658.4	5762.4	5924.7
52.5°	935.4	934.5	953.4	1006.3	1133.6	1426.9	2129.2	3216.2	5052.1	6220.7	6371.4
55°	909.4	909.4	924.7	965.9	1080.7	1335.4	1986.6	3196.5	5429.7	6654.8	6765.1
57.5°	871.8	870.9	883.4	921.1	1018.8	1249.3	1806.3	3105.0	5736.4	7056.6	7116.7
60°	835.0	834.1	841.3	870.0	959.7	1157.0	1613.5	2925.6	6040.4	7411.8	7483.5
62.5°	788.4	787.5	794.6	819.7	893.3	1058.3	1424.2	2706.8	6218.9	7616.2	7801.9
65°	732.7	733.6	742.6	758.8	810.8	952.5	1236.8	2445.8	6189.3	7749.0	7963.3
67.5°	679.8	677.1	684.3	687.0	725.6	841.3	1061.9	2238.6	5963.3	7772.3	7888.9
70°	614.4	610.8	610.8	600.0	626.9	711.2	897.8	2021.6	5321.1	7559.7	7825.2
72.5°	513.9	513.9	508.5	496.9	513.9	576.7	748.0	1779.4	4311.3	7098.7	7427.9
75°	320.2	322.9	334.5	370.4	395.5	435.0	592.8	1499.6	3522.0	5905.9	6513.1
77.5°	164.1	167.7	172.2	173.1	179.4	187.4	282.5	839.5	1790.2	2942.6	3139.1
80°	41.3	42.2	101.3	113.0	121.1	124.7	104.0	279.8	463.7	434.1	424.2
82.5°	27.8	29.6	58.3	71.7	66.4	50.2	57.4	85.2	69.1	94.2	105.8
85°	15.2	15.2	26.0	27.8	28.7	32.3	28.7	27.8	31.4	60.1	70.0
87.5°	7.2	7.2	10.8	13.5	13.5	16.1	13.5	14.3	14.3	27.8	32.3
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)