

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: P233410

Luminaire Tested: **VERD-C02-D-U-T1-8027**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P233410
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-C02-D-U-T1-8027
Description: VERDEON ROADWAY AND AREA LUMINAIRE
(2) 80 CRI, 2700K, 1140mA LEDS AND TYPE I OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 10210 lumens
Efficiency: N/A
Efficacy: 113.4 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 - G2

Input Watts (W): 90
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

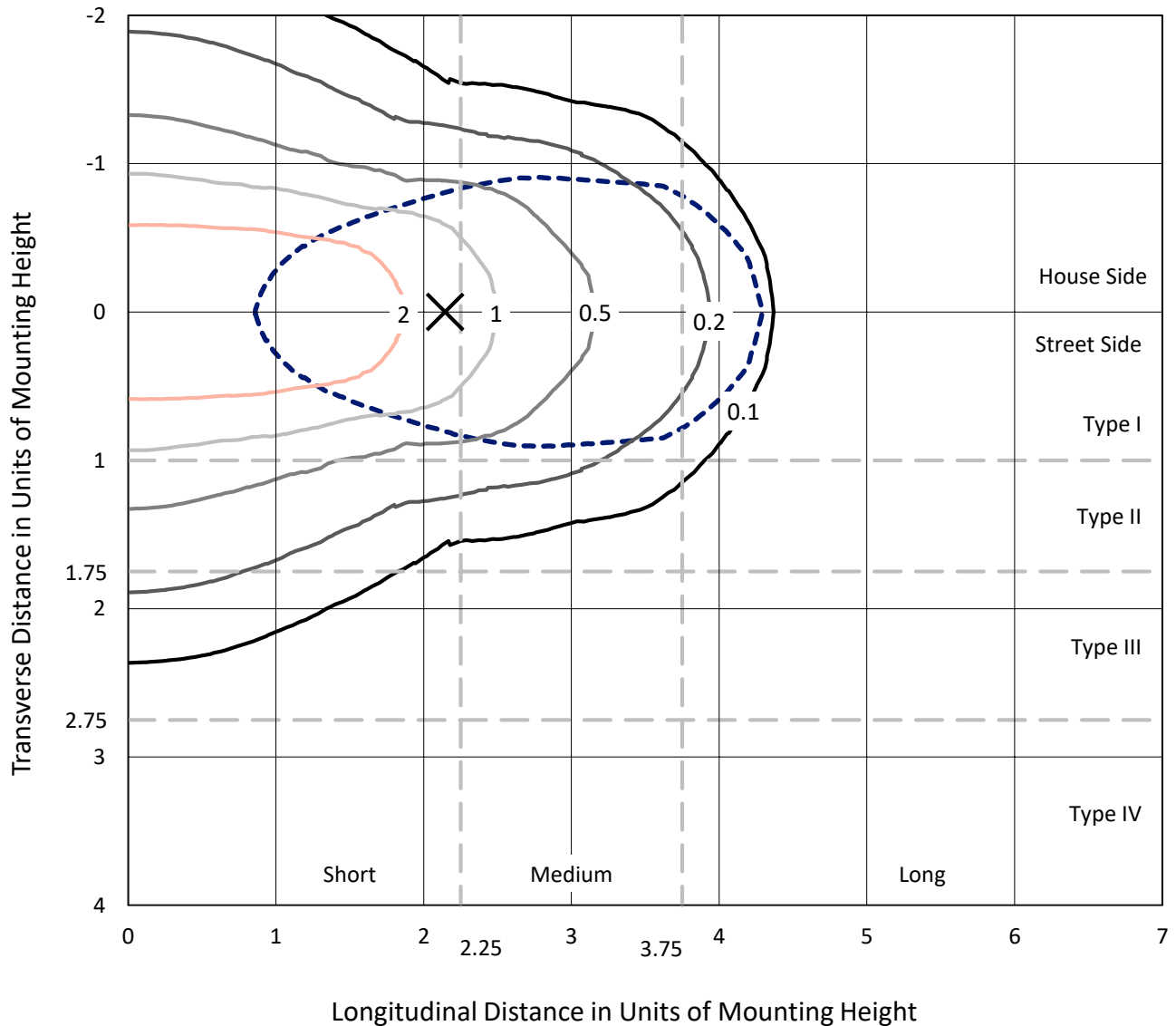


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

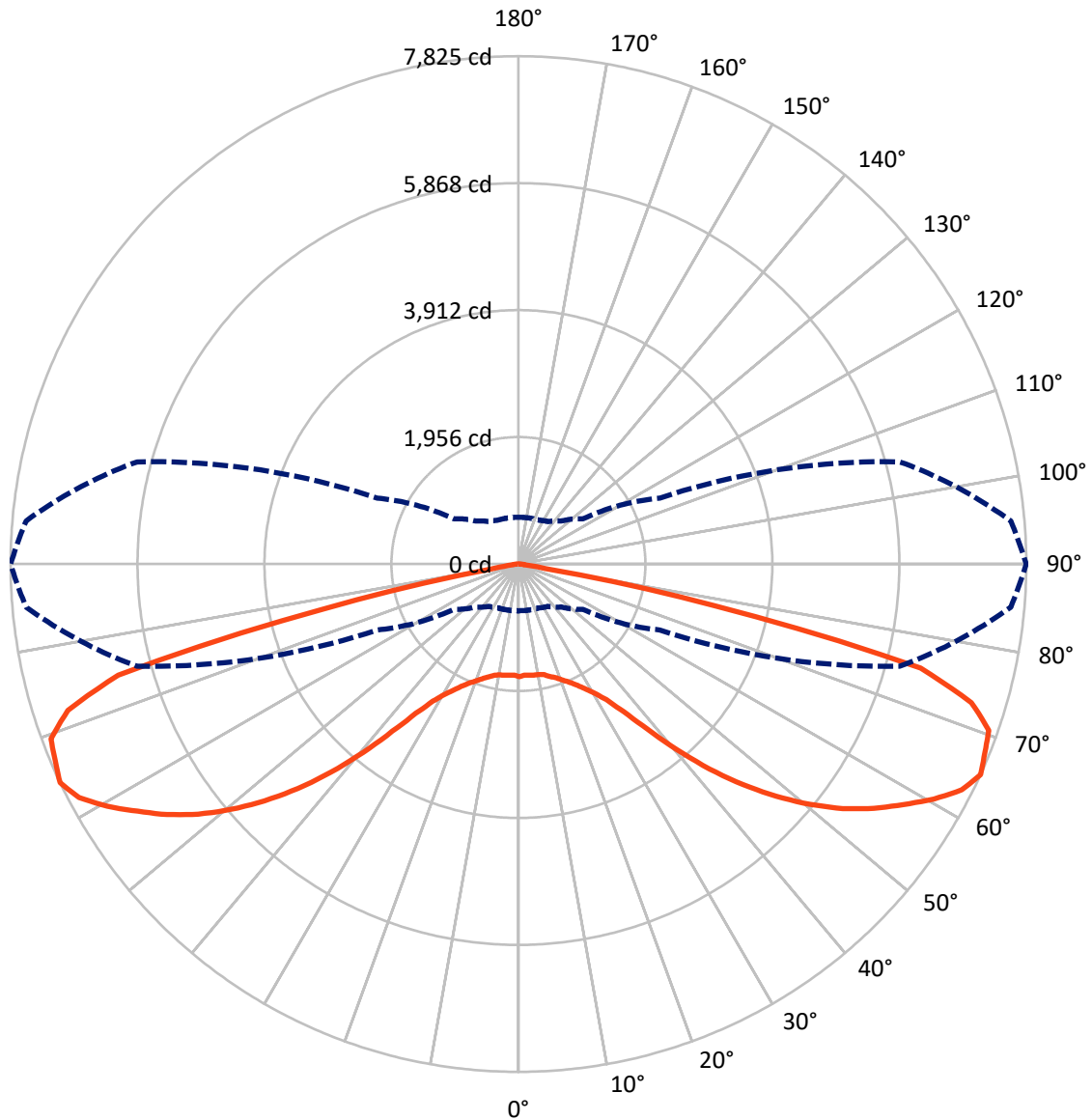


Based on 20 foot mounting height. Maximum calculated value = 4.3 fc
 Type V - Short - Full Cutoff

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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	5105.0	0.0	5105.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	5105.0	0.0	5105.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	10210.0	0.0	10210.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	164.6	1.6
10°-20°	486.2	4.8
20°-30°	797.2	7.8
30°-40°	1152.8	11.3
40°-50°	1688.0	16.5
50°-60°	2189.8	21.4
60°-70°	2315.9	22.7
70°-80°	1359.5	13.3
80°-90°	56.0	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°	10210.0	100.0
0°-180°	10210.0	100.0



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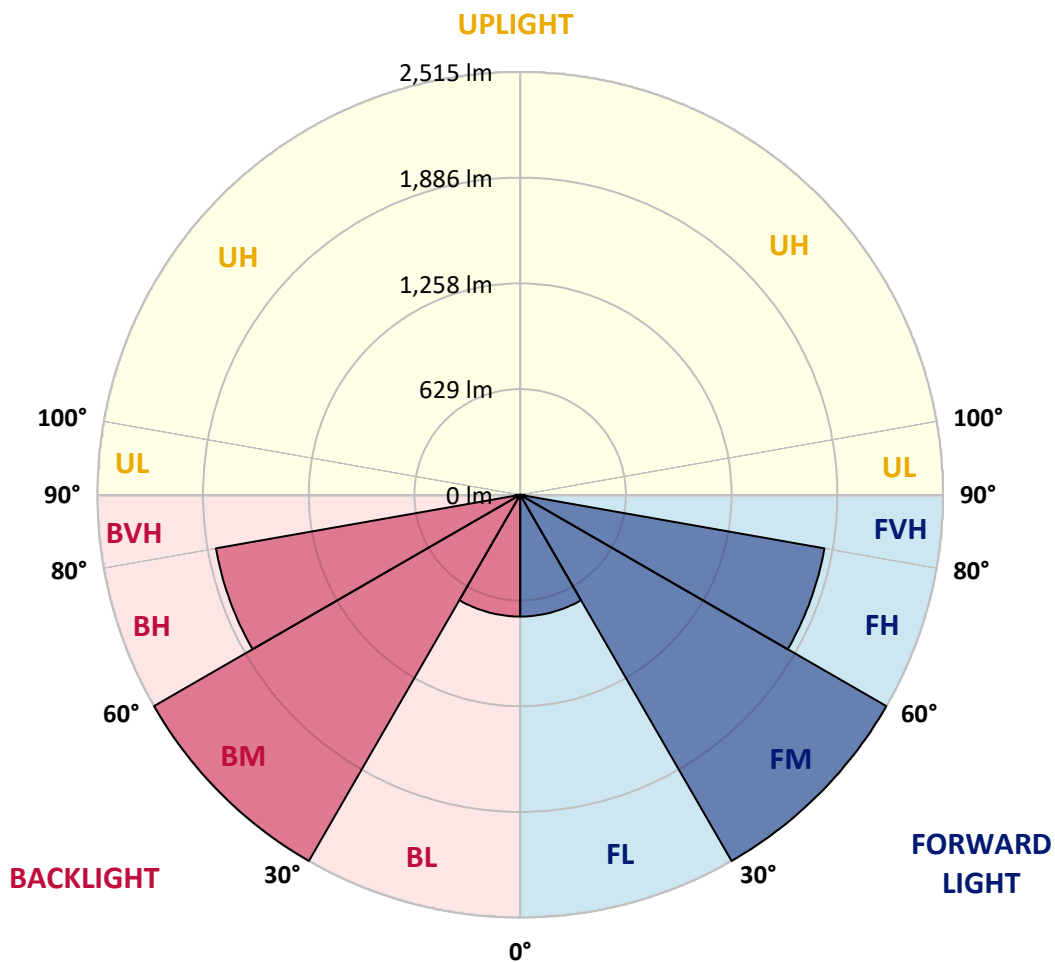
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	724.0	7.1			
FM (30°-60°)	2515.3	24.6			
FH (60°-80°)	1837.7	18.0			G2/5000
FVH (80°-90°)	28.0	0.3			G1/100
BL (0°-30°)	724.0	7.1	B2/1000		
BM (30°-60°)	2515.3	24.6	B3/5000		
BH (60°-80°)	1837.7	18.0	B3/2500		G2/5000
BVH (80°-90°)	28.0	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°	1737.8	1737.8	1737.8	1737.8	1737.8	1737.8	1737.8	1737.8	1737.8	1737.8	1737.8
2.5°	1754.6	1752.8	1743.1	1729.0	1724.6	1728.1	1727.3	1722.8	1722.8	1724.6	1713.2
5°	1744.0	1741.4	1729.9	1726.4	1727.3	1731.7	1730.8	1727.3	1729.0	1727.3	1718.4
7.5°	1725.5	1722.8	1715.8	1714.0	1712.3	1719.3	1726.4	1730.8	1736.1	1733.4	1727.3
10°	1707.9	1702.6	1703.5	1694.6	1698.2	1711.4	1718.4	1726.4	1734.3	1733.4	1731.7
12.5°	1681.4	1676.1	1678.8	1676.1	1688.5	1704.3	1725.5	1740.5	1749.3	1746.6	1749.3
15°	1648.8	1647.1	1651.5	1655.0	1677.0	1713.2	1736.1	1768.7	1788.1	1788.9	1795.1
17.5°	1611.8	1608.3	1616.2	1629.4	1670.0	1709.6	1766.9	1803.0	1831.2	1835.6	1840.9
20°	1549.2	1551.0	1563.3	1586.3	1643.5	1714.9	1785.4	1840.1	1880.6	1891.2	1902.6
22.5°	1470.8	1475.2	1498.1	1545.7	1619.7	1708.7	1805.7	1883.2	1941.4	1965.2	1972.2
25°	1388.9	1395.9	1432.9	1496.4	1592.4	1706.1	1831.2	1933.5	2016.3	2054.2	2058.6
27.5°	1315.7	1321.9	1369.5	1450.5	1566.9	1707.0	1854.2	1994.3	2106.2	2161.7	2170.5
30°	1241.7	1248.7	1298.1	1398.5	1541.3	1705.2	1880.6	2063.0	2213.7	2293.0	2306.2
32.5°	1178.2	1185.3	1236.4	1341.3	1509.6	1702.6	1912.3	2146.7	2343.2	2471.9	2489.5
35°	1124.5	1132.4	1184.4	1287.5	1469.0	1703.5	1958.1	2261.3	2544.2	2756.6	2790.9
37.5°	1079.5	1087.5	1133.3	1237.3	1427.6	1696.4	2013.7	2405.8	2810.3	3161.9	3225.4
40°	1051.3	1058.4	1092.8	1185.3	1377.4	1680.5	2078.0	2566.2	3135.5	3648.4	3759.4
42.5°	1022.3	1030.2	1058.4	1137.7	1323.6	1656.8	2134.4	2727.5	3474.8	4158.6	4317.2
45°	990.5	995.8	1026.7	1098.0	1270.8	1619.7	2183.7	2881.7	3830.8	4676.8	4848.6
47.5°	964.1	966.7	992.3	1058.4	1215.2	1565.1	2197.0	3013.9	4190.3	5180.9	5349.2
50°	946.5	942.1	965.9	1023.1	1163.3	1489.3	2174.0	3112.6	4577.2	5662.0	5821.5
52.5°	919.1	918.3	936.8	988.8	1113.9	1402.1	2092.1	3160.2	4964.1	6112.4	6260.4
55°	893.6	893.6	908.6	949.1	1061.9	1312.2	1952.0	3140.8	5335.1	6538.9	6647.3
57.5°	856.6	855.7	868.0	905.0	1001.1	1227.6	1774.8	3050.9	5636.5	6933.7	6992.7
60°	820.4	819.6	826.6	854.8	942.9	1136.8	1585.4	2874.6	5935.2	7282.7	7353.2
62.5°	774.6	773.7	780.8	805.5	877.7	1039.9	1399.4	2659.6	6110.6	7483.6	7666.0
65°	720.0	720.9	729.7	745.5	796.7	935.9	1215.2	2403.2	6081.5	7614.0	7824.6
67.5°	668.0	665.3	672.4	675.0	712.9	826.6	1043.4	2199.6	5859.4	7636.9	7751.5
70°	603.7	600.1	600.1	589.6	616.0	698.8	882.1	1986.3	5228.5	7428.1	7688.9
72.5°	505.0	505.0	499.7	488.2	505.0	566.6	735.0	1748.4	4236.2	6975.1	7298.5
75°	314.6	317.3	328.7	364.0	388.6	427.4	582.5	1473.5	3460.7	5803.0	6399.6
77.5°	161.3	164.8	169.2	170.1	176.3	184.2	277.6	824.9	1759.0	2891.4	3084.4
80°	40.5	41.4	99.6	111.0	119.0	122.5	102.2	275.0	455.6	426.5	416.8
82.5°	27.3	29.1	57.3	70.5	65.2	49.4	56.4	83.7	67.9	92.5	104.0
85°	15.0	15.0	25.6	27.3	28.2	31.7	28.2	27.3	30.8	59.0	68.7
87.5°	7.1	7.1	10.6	13.2	13.2	15.9	13.2	14.1	14.1	27.3	31.7
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)