

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: P233411

Luminaire Tested: **VERD-C02H6-D-U-T1-8027**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P233411
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-C02H6-D-U-T1-8027
Description: VERDEON ROADWAY AND AREA LUMINAIRE
(2) 80 CRI, 2700K, 1250mA LEDS AND TYPE I OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 10772 lumens
Efficiency: N/A
Efficacy: 109.9 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 - G2

Input Watts (W): 98
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

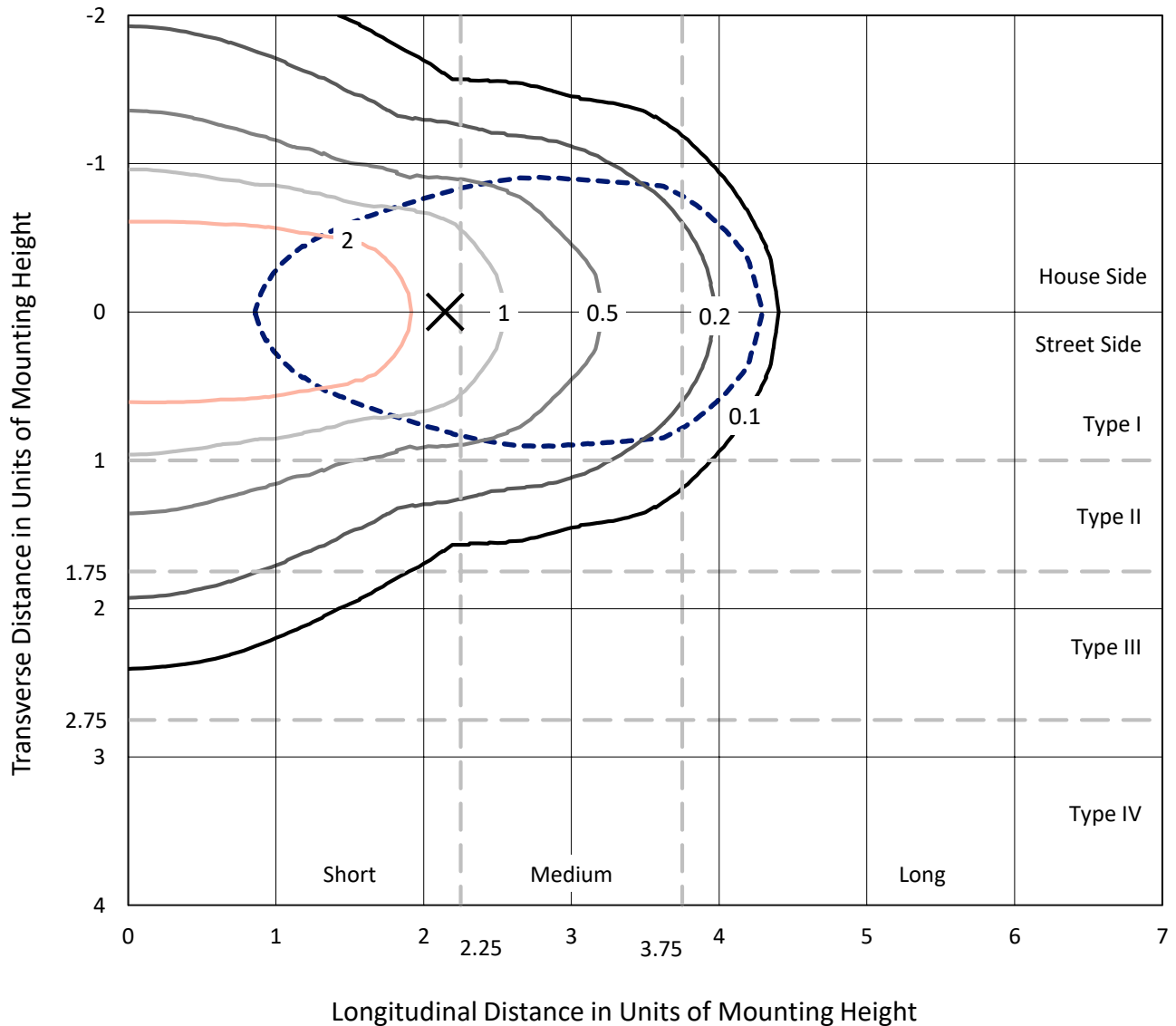


REPORT NUMBER: P233411

CATALOG NUMBER: VERD-C02H6-D-U-T1-8027

Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

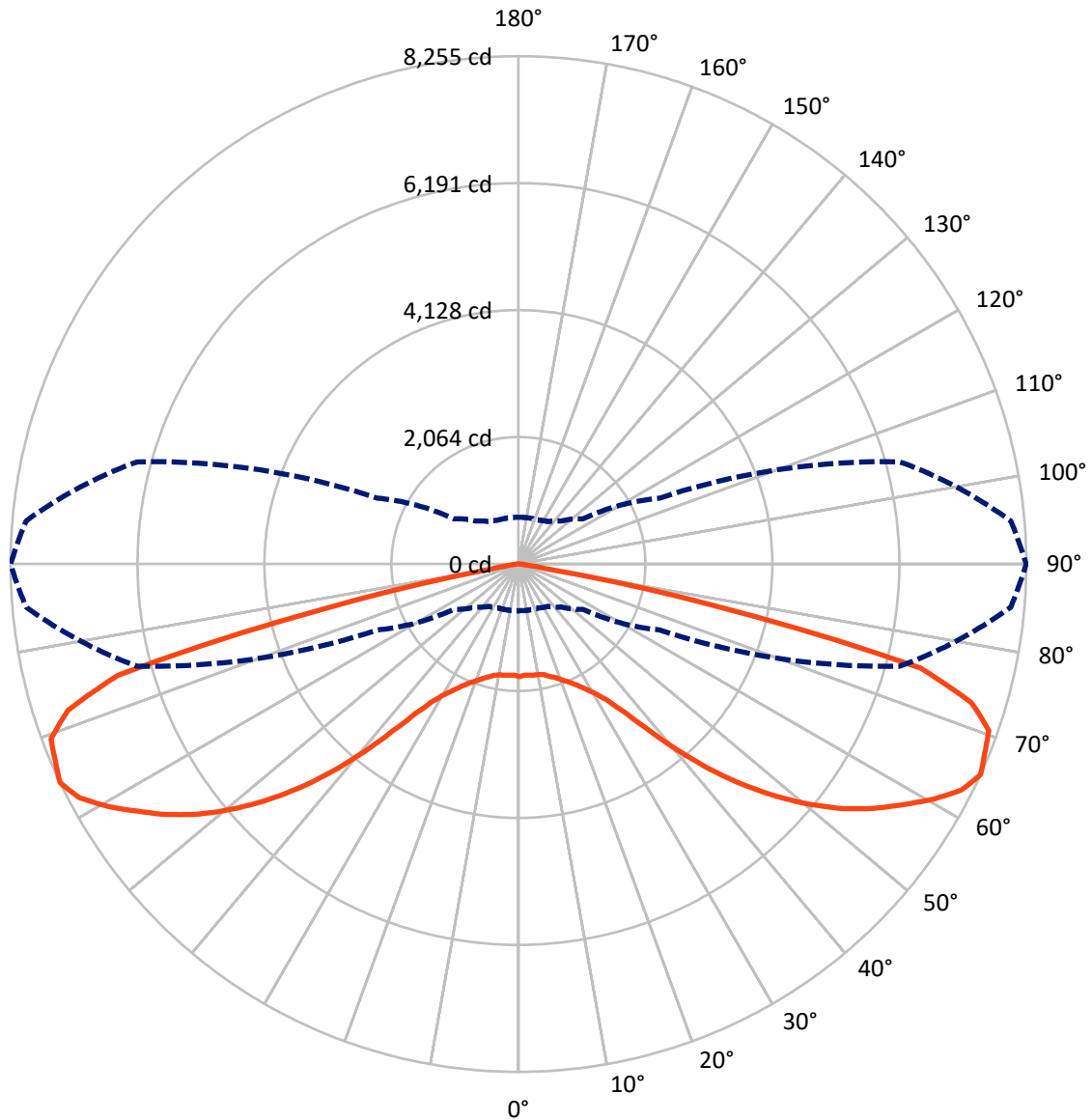


Based on 20 foot mounting height. Maximum calculated value = 4.6 fc
 Type V - Short - Full Cutoff

REPORT NUMBER: P233411

CATALOG NUMBER: VERD-C02H6-D-U-T1-8027

Luminous Intensity Polar Plot



— Vertical Plane Through 90-Deg Lateral - - - Horizontal Cone Through 65-Deg Vertical

REPORT NUMBER: P233411

CATALOG NUMBER: VERD-C02H6-D-U-T1-8027

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	5386.0	0.0	5386.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	5386.0	0.0	5386.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	10772.0	0.0	10772.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	173.6	1.6
10°-20°	513.0	4.8
20°-30°	841.1	7.8
30°-40°	1216.2	11.3
40°-50°	1780.9	16.5
50°-60°	2310.3	21.4
60°-70°	2443.3	22.7
70°-80°	1434.3	13.3
80°-90°	59.1	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°	10772.0	100.0
0°-180°	10772.0	100.0



REPORT NUMBER: P233411

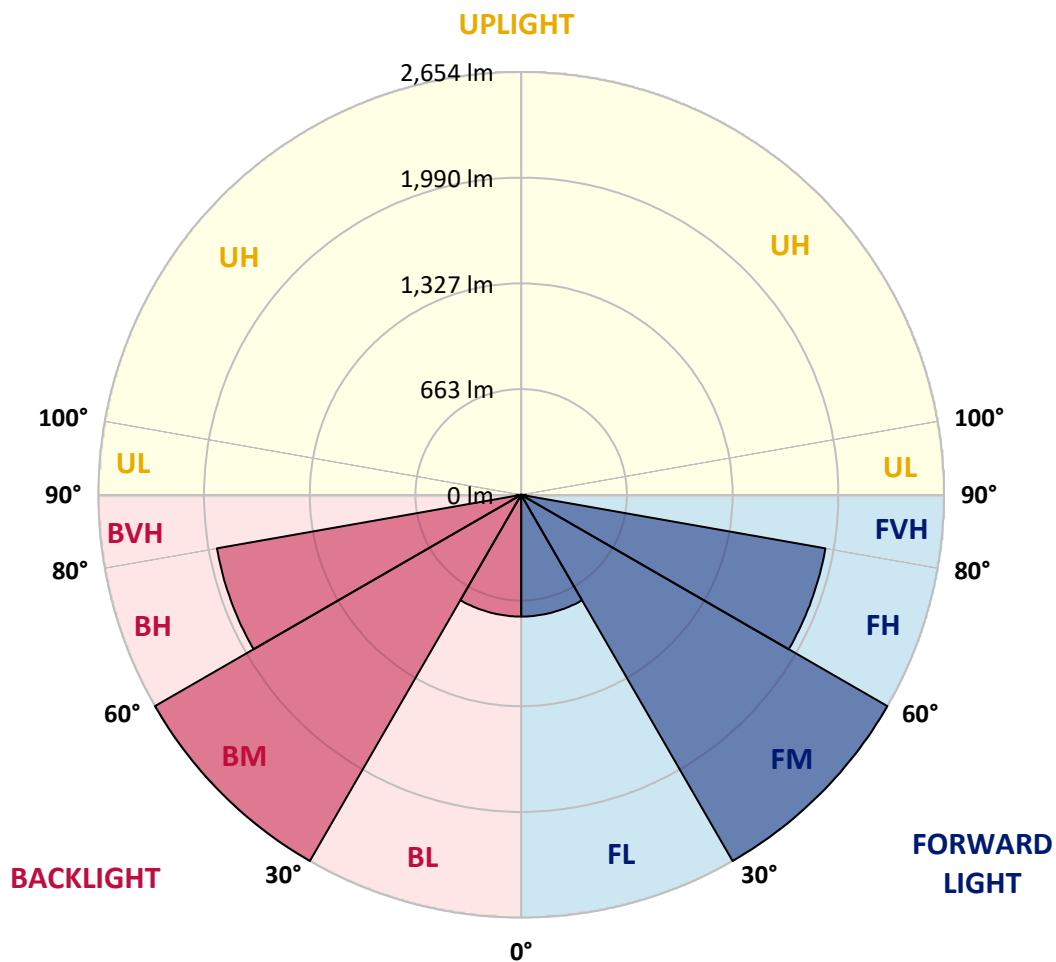
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	763.9	7.1			
FM	(30°-60°)	2653.8	24.6			
FH	(60°-80°)	1938.8	18.0			G2/5000
FVH	(80°-90°)	29.5	0.3			G1/100
BL	(0°-30°)	763.9	7.1	B2/1000		
BM	(30°-60°)	2653.8	24.6	B3/5000		
BH	(60°-80°)	1938.8	18.0	B3/2500		G2/5000
BVH	(80°-90°)	29.5	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





REPORT NUMBER: P233411

CATALOG NUMBER: VERD-C02H6-D-U-T1-8027

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	1833.5	1833.5	1833.5	1833.5	1833.5	1833.5	1833.5	1833.5	1833.5	1833.5	1833.5
2.5°	1851.1	1849.3	1839.1	1824.2	1819.5	1823.3	1822.3	1817.7	1817.7	1819.5	1807.4
5°	1840.0	1837.2	1825.1	1821.4	1822.3	1827.0	1826.0	1822.3	1824.2	1822.3	1813.0
7.5°	1820.5	1817.7	1810.2	1808.4	1806.5	1814.0	1821.4	1826.0	1831.6	1828.8	1822.3
10°	1801.9	1796.3	1797.2	1787.9	1791.6	1805.6	1813.0	1821.4	1829.8	1828.8	1827.0
12.5°	1774.0	1768.4	1771.2	1768.4	1781.4	1798.2	1820.5	1836.3	1845.6	1842.8	1845.6
15°	1739.6	1737.7	1742.4	1746.1	1769.3	1807.4	1831.6	1866.0	1886.5	1887.4	1893.9
17.5°	1700.5	1696.8	1705.2	1719.1	1761.9	1803.7	1864.2	1902.3	1932.0	1936.7	1942.3
20°	1634.5	1636.4	1649.4	1673.6	1734.0	1809.3	1883.7	1941.3	1984.1	1995.3	2007.3
22.5°	1551.8	1556.4	1580.6	1630.8	1708.9	1802.8	1905.1	1986.9	2048.3	2073.4	2080.8
25°	1465.3	1472.7	1511.8	1578.7	1680.1	1800.0	1932.0	2039.9	2127.3	2167.3	2171.9
27.5°	1388.1	1394.6	1444.8	1530.4	1653.1	1800.9	1956.2	2104.0	2222.1	2280.7	2290.0
30°	1310.0	1317.5	1369.5	1475.5	1626.1	1799.1	1984.1	2176.6	2335.6	2419.2	2433.2
32.5°	1243.1	1250.5	1304.4	1415.1	1592.7	1796.3	2017.6	2264.9	2472.2	2608.0	2626.6
35°	1186.4	1194.7	1249.6	1358.4	1549.9	1797.2	2065.9	2385.8	2684.2	2908.3	2944.5
37.5°	1139.0	1147.3	1195.7	1305.4	1506.2	1789.8	2124.5	2538.2	2965.0	3336.0	3402.9
40°	1109.2	1116.6	1152.9	1250.5	1453.2	1773.0	2192.4	2707.5	3308.1	3849.2	3966.3
42.5°	1078.5	1086.9	1116.6	1200.3	1396.5	1747.9	2251.9	2877.6	3666.0	4387.5	4554.9
45°	1045.0	1050.6	1083.2	1158.5	1340.7	1708.9	2303.9	3040.3	4041.7	4934.2	5115.5
47.5°	1017.2	1019.9	1046.9	1116.6	1282.1	1651.2	2317.9	3179.8	4421.0	5466.0	5643.6
50°	998.6	993.9	1019.0	1079.4	1227.3	1571.3	2293.7	3283.9	4829.2	5973.7	6142.0
52.5°	969.7	968.8	988.3	1043.2	1175.2	1479.2	2207.2	3334.1	5237.3	6448.8	6605.0
55°	942.8	942.8	958.6	1001.3	1120.4	1384.4	2059.4	3313.7	5628.8	6898.8	7013.2
57.5°	903.7	902.8	915.8	954.9	1056.2	1295.2	1872.5	3218.8	5946.7	7315.3	7377.6
60°	865.6	864.7	872.1	901.9	994.8	1199.4	1672.6	3032.9	6261.9	7683.5	7757.9
62.5°	817.3	816.3	823.8	849.8	926.0	1097.1	1476.5	2806.0	6446.9	7895.5	8088.0
65°	759.6	760.5	769.8	786.6	840.5	987.4	1282.1	2535.4	6416.3	8033.1	8255.3
67.5°	704.8	702.0	709.4	712.2	752.2	872.1	1100.8	2320.7	6182.0	8057.3	8178.1
70°	636.9	633.2	633.2	622.0	649.9	737.3	930.7	2095.7	5516.3	7836.9	8112.1
72.5°	532.8	532.8	527.2	515.1	532.8	597.8	775.4	1844.6	4469.3	7359.0	7700.3
75°	331.9	334.7	346.8	384.0	410.0	450.9	614.6	1554.6	3651.2	6122.5	6751.9
77.5°	170.1	173.9	178.5	179.4	186.0	194.3	292.9	870.3	1855.8	3050.5	3254.2
80°	42.8	43.7	105.1	117.1	125.5	129.2	107.9	290.1	480.7	450.0	439.8
82.5°	28.8	30.7	60.4	74.4	68.8	52.1	59.5	88.3	71.6	97.6	109.7
85°	15.8	15.8	27.0	28.8	29.8	33.5	29.8	28.8	32.5	62.3	72.5
87.5°	7.4	7.4	11.2	13.9	13.9	16.7	13.9	14.9	14.9	28.8	33.5
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)