

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: P161825

Luminaire Tested: **OVF-E05-LED-E-U-SL2-8030**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P161825
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (P33701)
Test Lab: INNOVATION CENTER-P3
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: OVF-E05-LED-E-U-SL2-8030
Description: OVF LED ROADWAY LARGE CUTOFF COBRAHEAD LUMINAIRE
(5) LIGHTBARS WITH AccuLED OPTICS - TYPE 2 W/ SPILL LIGHT CONTROL
Light Source: (105) 3000K CCT, 80 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 12355.9 lumens
Efficiency: N/A
Efficacy: 97.1 lumens/watt
Luminous Opening: Rectangular (W 0.83' x L: 1' x H: 0')
IES Classification: Type II - Short - Non-Cutoff
BUG Rating: B2 - U0 - G2

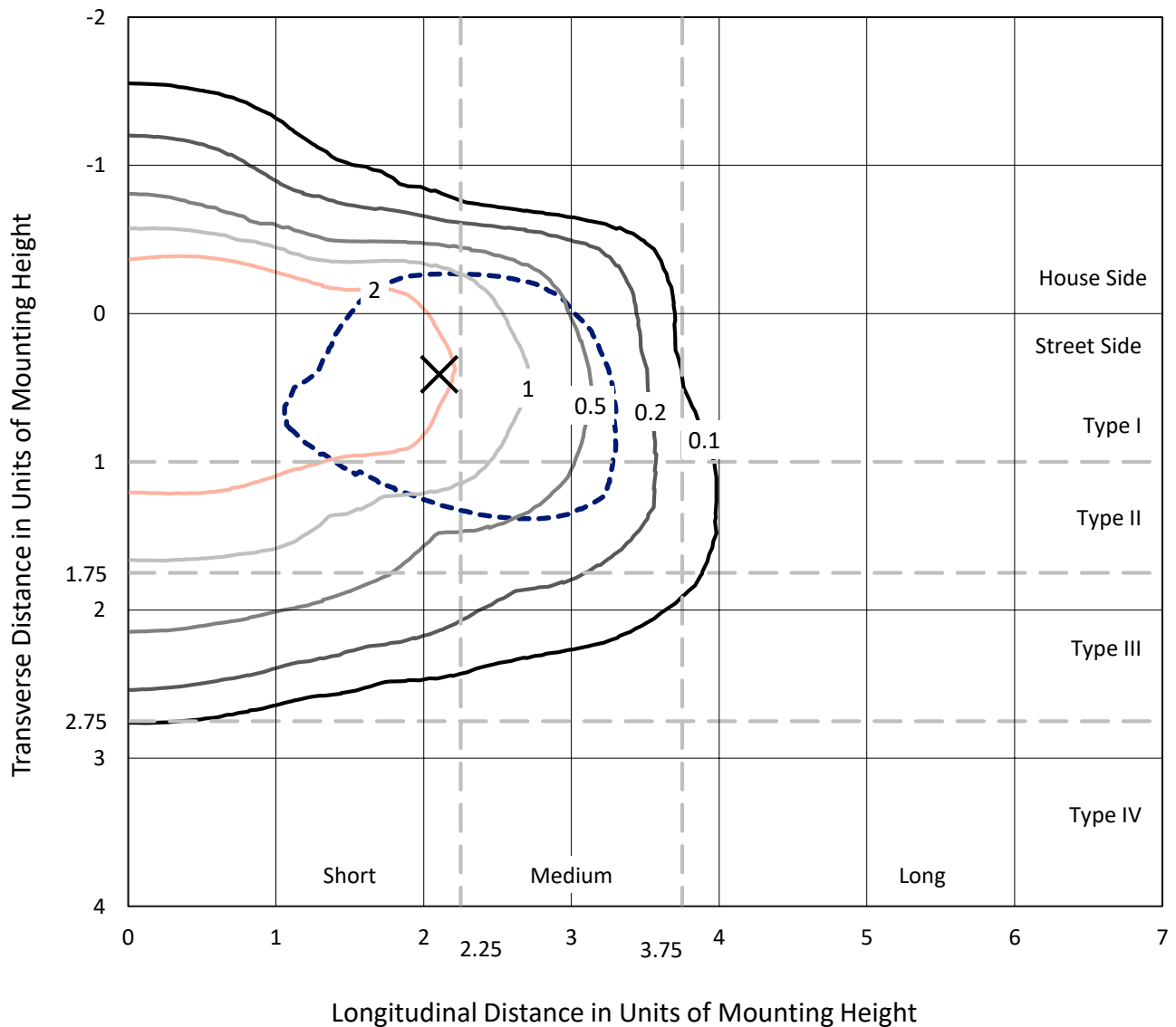
Input Watts (W): 127.3
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

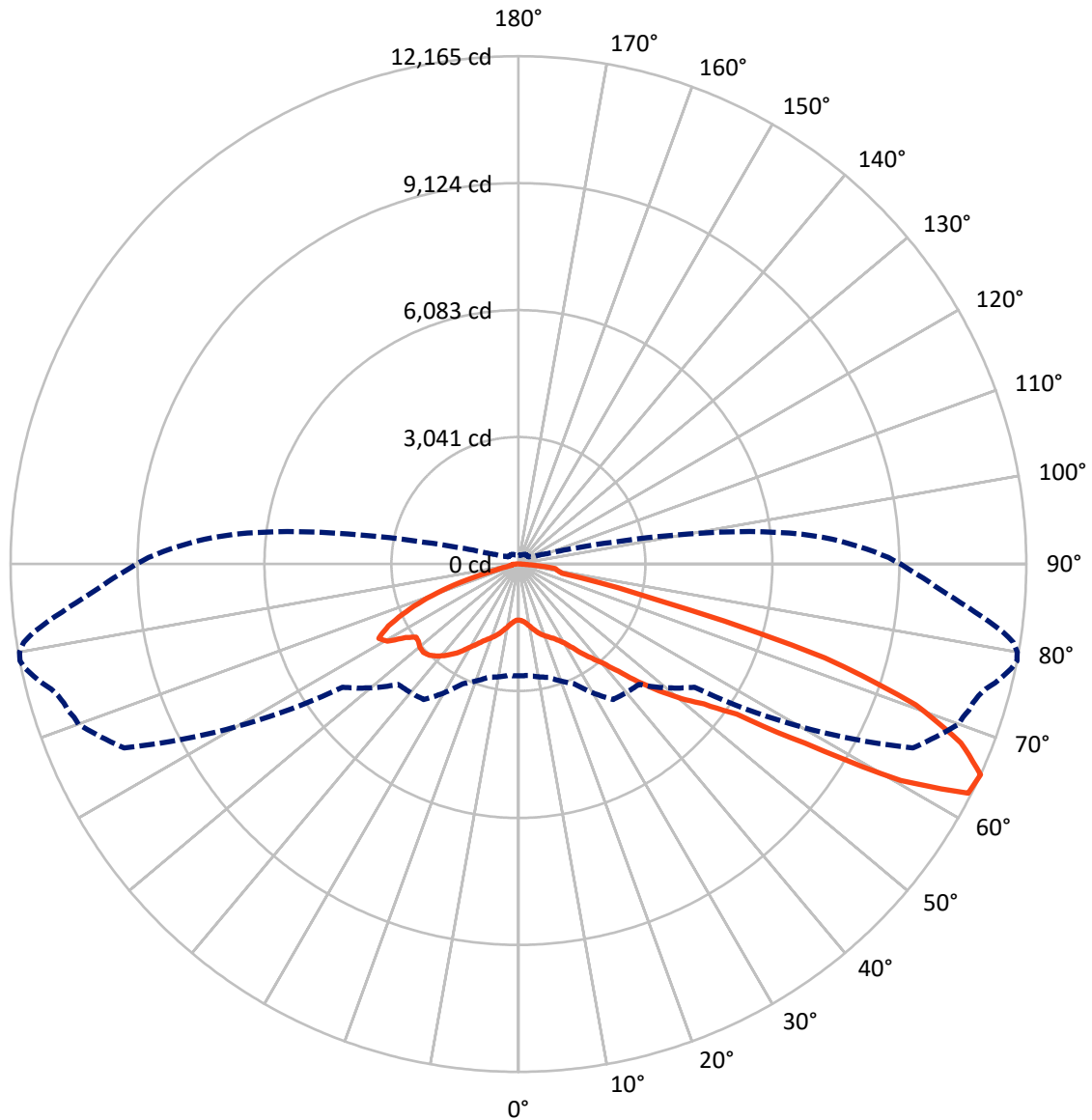
✕ Max cd
 - - - 1/2 Max cd



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

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Luminous Intensity Polar Plot



— Vertical Plane Through 79-Deg Lateral - - - Horizontal Cone Through 65-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2804.7	0.0	2804.7
	% Fixture	22.7	0.0	22.7
Street Side	Lumens	9551.3	0.0	9551.3
	% Fixture	77.3	0.0	77.3
Total	Lumens	12355.9	0.0	12355.9
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	133.3	1.1
10°-20°	433.9	3.5
20°-30°	748.0	6.1
30°-40°	1219.8	9.9
40°-50°	2036.3	16.5
50°-60°	2753.5	22.3
60°-70°	3420.7	27.7
70°-80°	1369.7	11.1
80°-90°	240.7	1.9
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°	12355.9	100.0
0°-180°	12355.9	100.0



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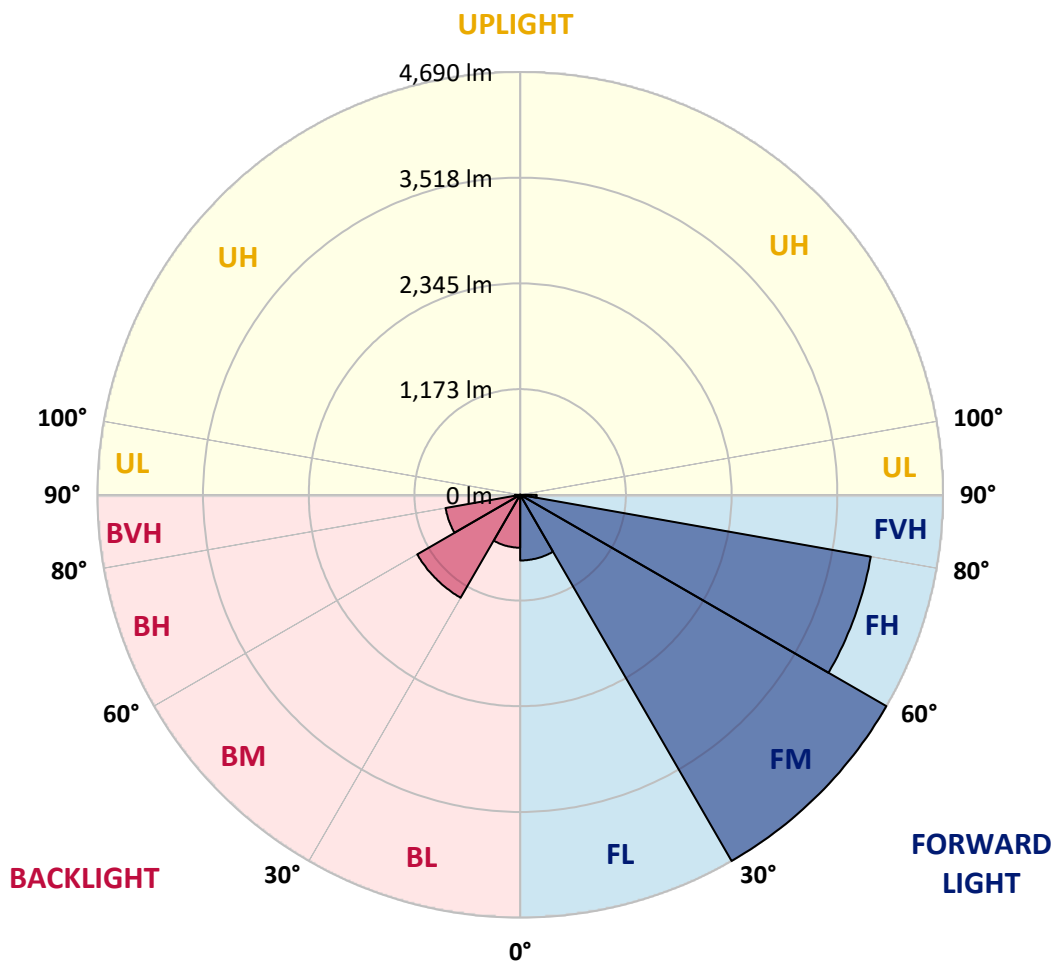
CATALOG NUMBER: OVF-E05-LED-E-U-SL2-8030

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	728.6	5.9			
FM (30°-60°)	4690.5	38.0			
FH (60°-80°)	3949.7	32.0			G2/5000
FVH (80°-90°)	182.6	1.5			G2/225
BL (0°-30°)	586.6	4.7	B2/1000		
BM (30°-60°)	1319.1	10.7	B2/2500		
BH (60°-80°)	840.8	6.8	B2/1000		G2/1000
BVH (80°-90°)	58.1	0.5			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G2

Type II Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	70°	71°	72°
0°	1342.8	1342.8	1342.8	1342.8	1342.8	1342.8	1342.8	1342.8	1342.8	1342.8	1342.8
2.5°	1352.9	1352.1	1356.3	1359.7	1359.7	1361.4	1360.5	1355.4	1356.3	1358.0	1356.3
5°	1368.1	1364.7	1369.0	1374.0	1377.4	1381.6	1385.8	1386.7	1390.1	1390.1	1389.2
7.5°	1401.0	1398.5	1404.4	1406.1	1413.7	1420.4	1428.9	1434.8	1438.2	1439.8	1442.4
10°	1457.6	1455.9	1457.6	1460.9	1464.3	1471.9	1486.3	1498.9	1506.5	1506.5	1509.9
12.5°	1525.9	1519.2	1520.9	1514.1	1515.8	1531.8	1548.7	1569.8	1582.5	1584.2	1585.9
15°	1579.1	1575.7	1573.2	1563.9	1570.7	1591.8	1617.9	1648.3	1659.3	1668.6	1667.7
17.5°	1628.9	1624.7	1618.8	1606.1	1612.9	1646.6	1686.3	1720.1	1738.6	1740.3	1742.0
20°	1688.0	1682.9	1671.9	1645.8	1644.1	1691.4	1744.5	1780.8	1797.7	1805.3	1807.8
22.5°	1763.1	1756.3	1736.1	1685.4	1671.9	1727.6	1790.9	1835.7	1853.4	1861.0	1865.2
25°	1859.3	1845.8	1813.7	1734.4	1706.5	1764.8	1840.7	1894.8	1919.2	1926.8	1931.9
27.5°	1946.2	1936.1	1897.3	1803.6	1755.5	1814.6	1901.5	1970.7	2004.5	2013.8	2021.4
30°	2047.5	2033.2	2001.9	1902.4	1838.2	1890.5	2001.1	2088.9	2130.2	2131.1	2148.0
32.5°	2285.5	2276.2	2247.5	2137.8	2029.8	2033.2	2136.1	2256.8	2298.2	2304.9	2320.1
35°	2638.3	2634.9	2634.1	2573.3	2493.1	2410.4	2418.0	2510.0	2537.9	2548.9	2553.9
37.5°	2870.4	2900.0	2971.7	3015.6	2995.3	3013.0	2920.2	2808.0	2791.9	2780.1	2785.2
40°	3070.4	3096.6	3241.8	3444.3	3567.5	3654.5	3572.6	3228.3	3100.0	3062.8	3048.5
42.5°	3188.6	3218.1	3425.8	3749.9	4063.8	4269.8	4291.7	3813.2	3487.4	3483.2	3429.1
45°	3252.7	3282.3	3530.4	3966.8	4410.7	4782.1	4974.5	4533.1	4054.5	4019.1	3944.0
47.5°	3240.1	3267.9	3526.2	4046.9	4615.8	5122.2	5507.0	5260.6	4708.6	4623.4	4519.6
50°	3085.6	3105.9	3376.8	3916.1	4560.9	5264.0	5871.6	5928.2	5448.8	5333.2	5177.9
52.5°	2926.1	2962.4	3186.9	3684.0	4311.9	5176.2	6089.4	6535.9	6140.0	6060.7	5861.5
55°	2840.0	2868.7	3051.9	3476.4	4049.5	4876.6	6179.7	7108.9	6979.8	6947.7	6806.8
57.5°	2836.7	2864.5	3010.5	3350.6	3835.9	4564.3	6205.9	7994.3	8373.2	8381.7	8341.2
60°	2975.1	3003.8	3126.1	3411.4	3770.1	4296.8	6112.2	9250.1	10087.4	10161.7	10285.7
62.5°	2994.5	3008.0	3155.7	3540.5	4009.8	4096.7	5726.5	10295.8	11265.6	11334.0	11402.3
65°	2678.8	2678.0	2808.8	3163.3	3960.0	4076.5	5146.7	10424.1	11218.3	11259.7	11344.9
67.5°	1997.7	1980.8	2055.1	2379.2	3142.2	4081.5	4459.6	9456.1	10344.0	10422.4	10451.1
70°	1029.7	1055.8	1106.5	1304.8	1995.2	3285.7	3830.9	7978.2	9080.5	9110.0	9212.2
72.5°	422.8	411.9	446.5	548.6	998.4	2171.6	3169.2	6296.2	7499.7	7479.4	7498.0
75°	235.5	238.8	249.0	286.1	485.3	1090.4	2722.7	4457.1	5100.2	4750.8	4645.3
77.5°	189.1	190.7	191.6	198.3	265.0	581.5	2089.7	2935.4	2564.9	2381.7	2311.7
80°	138.4	147.7	157.8	159.5	182.3	330.0	1146.1	2471.2	2164.8	2012.9	1888.0
82.5°	111.4	115.6	137.6	140.9	145.2	196.6	519.1	2321.0	2156.4	2001.1	1828.9
85°	66.7	74.3	112.3	113.1	114.8	119.8	287.0	945.3	1175.7	1039.0	951.2
87.5°	23.6	30.4	55.7	46.4	59.1	49.0	125.8	316.5	389.9	370.5	328.3
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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CANDELA DISTRIBUTION (continued):

	73°	74°	75°	76°	77°	78°	79°	80°	81°	82°	83°
0°	1342.8	1342.8	1342.8	1342.8	1342.8	1342.8	1342.8	1342.8	1342.8	1342.8	1342.8
2.5°	1355.4	1355.4	1357.1	1356.3	1356.3	1356.3	1356.3	1354.6	1354.6	1352.1	1353.8
5°	1389.2	1388.4	1389.2	1390.1	1389.2	1390.9	1390.1	1389.2	1390.1	1389.2	1390.1
7.5°	1443.2	1439.0	1444.9	1441.5	1440.7	1445.8	1443.2	1445.8	1446.6	1445.8	1444.9
10°	1511.6	1514.1	1514.1	1514.1	1512.4	1517.5	1518.3	1520.0	1520.9	1524.2	1524.2
12.5°	1590.1	1590.9	1594.3	1593.5	1595.1	1601.1	1605.3	1606.1	1607.0	1609.5	1606.1
15°	1674.5	1676.2	1676.2	1683.8	1681.2	1689.7	1692.2	1692.2	1693.0	1703.2	1704.0
17.5°	1749.6	1749.6	1756.3	1756.3	1763.1	1764.8	1772.4	1773.2	1776.6	1785.9	1786.7
20°	1812.9	1816.3	1820.5	1825.6	1828.1	1833.1	1838.2	1843.3	1847.5	1855.1	1855.9
22.5°	1872.8	1876.2	1882.9	1886.3	1892.2	1895.6	1899.8	1905.7	1912.5	1922.6	1925.1
25°	1942.0	1945.4	1953.0	1958.1	1964.8	1969.9	1977.5	1985.1	1989.3	1999.4	2007.0
27.5°	2029.8	2039.9	2050.1	2052.6	2057.6	2069.5	2079.6	2089.7	2099.0	2104.1	2113.4
30°	2158.1	2158.1	2179.2	2179.2	2188.5	2199.4	2206.2	2217.2	2234.0	2239.1	2250.9
32.5°	2330.3	2334.5	2342.1	2364.9	2381.7	2386.8	2391.9	2407.9	2418.0	2430.7	2445.0
35°	2575.9	2580.1	2584.3	2606.2	2625.7	2630.7	2635.8	2645.9	2662.8	2684.7	2678.0
37.5°	2796.1	2798.7	2812.2	2836.7	2847.6	2861.1	2865.3	2883.9	2893.2	2913.5	2914.3
40°	3061.2	3055.2	3062.8	3090.7	3107.6	3106.7	3120.2	3154.0	3160.7	3170.0	3193.7
42.5°	3430.8	3408.9	3432.5	3441.8	3467.1	3483.2	3510.2	3532.9	3549.0	3584.4	3601.3
45°	3908.5	3885.7	3905.1	3909.4	3961.7	3977.7	4018.2	4048.6	4083.2	4123.7	4135.6
47.5°	4452.9	4410.7	4387.1	4413.2	4475.7	4501.8	4541.5	4570.2	4606.5	4627.6	4620.9
50°	5083.4	4982.1	4934.8	4921.3	4966.0	5003.2	5064.8	5078.3	5095.2	5094.3	5095.2
52.5°	5786.4	5680.9	5582.2	5513.8	5507.0	5556.8	5572.0	5575.4	5570.3	5532.4	5508.7
55°	6704.7	6697.1	6593.3	6451.5	6442.2	6436.3	6347.7	6336.7	6316.4	6258.2	6178.0
57.5°	8370.7	8455.1	8386.7	8383.4	8309.1	8260.1	8097.2	8016.2	7931.0	7773.2	7647.4
60°	10296.7	10419.1	10486.6	10516.1	10661.3	10661.3	10527.9	10413.2	10274.7	10034.2	9799.6
62.5°	11456.3	11563.5	11663.1	11819.2	12004.1	12086.0	12092.7	11990.6	11815.9	11541.6	11209.9
65°	11382.9	11462.2	11582.9	11766.9	11919.7	12066.5	12165.3	12134.1	12000.7	11726.4	11365.2
67.5°	10551.6	10667.2	10823.3	10993.0	11134.8	11273.2	11432.7	11444.5	11409.1	11148.3	10821.7
70°	9268.7	9417.3	9516.0	9729.5	9793.7	9933.8	10094.1	10170.9	10113.5	9912.7	9721.1
72.5°	7530.1	7647.4	7664.3	7571.4	7603.5	7638.1	7676.9	7497.2	7428.0	7159.6	7036.4
75°	4566.0	4411.5	4281.6	4152.4	3766.7	3630.0	3419.9	3005.5	2958.2	2673.8	2476.3
77.5°	2171.6	2106.6	1989.3	1792.6	1531.0	1280.3	1062.6	863.4	789.1	649.9	553.7
80°	1818.0	1740.3	1634.8	1488.8	1305.7	1123.4	951.2	803.5	654.9	533.4	426.2
82.5°	1667.7	1532.7	1384.1	1258.4	1129.3	1005.2	889.6	756.2	677.7	546.9	446.5
85°	843.1	738.5	598.4	503.9	425.4	346.0	299.6	255.7	227.9	181.5	157.8
87.5°	282.7	231.3	172.2	146.0	131.7	113.1	103.8	98.7	96.2	85.2	76.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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CANDELA DISTRIBUTION (continued):

	84°	85°	86°	87°	88°	89°	90°	91°	92°	93°	94°
0°	1342.8	1342.8	1342.8	1342.8	1342.8	1342.8	1342.8	1342.8	1342.8	1342.8	1342.8
2.5°	1353.8	1353.8	1353.8	1353.8	1352.9	1352.9	1352.9	1352.9	1352.9	1352.9	1353.8
5°	1388.4	1388.4	1389.2	1391.7	1386.7	1388.4	1390.1	1387.5	1390.1	1387.5	1390.9
7.5°	1444.1	1446.6	1444.9	1448.3	1446.6	1451.7	1448.3	1445.8	1447.4	1447.4	1448.3
10°	1522.6	1525.9	1523.4	1525.1	1525.1	1528.5	1524.2	1525.1	1525.9	1524.2	1525.1
12.5°	1609.5	1611.2	1610.3	1615.4	1612.9	1615.4	1612.9	1616.2	1617.9	1619.6	1619.6
15°	1704.0	1705.7	1710.8	1709.9	1715.0	1713.3	1714.1	1709.9	1718.4	1713.3	1715.0
17.5°	1790.9	1790.1	1796.9	1799.4	1800.2	1801.1	1803.6	1800.2	1801.1	1803.6	1801.9
20°	1858.5	1864.4	1866.1	1872.8	1877.9	1879.6	1878.7	1881.3	1884.6	1881.3	1881.3
22.5°	1930.2	1938.6	1941.2	1945.4	1950.5	1951.3	1956.4	1958.9	1960.6	1959.7	1960.6
25°	2016.3	2022.2	2028.1	2036.6	2042.5	2043.3	2047.5	2050.9	2051.7	2050.9	2056.0
27.5°	2121.8	2129.4	2137.0	2147.1	2153.9	2155.6	2164.8	2164.8	2169.9	2172.4	2174.1
30°	2257.7	2260.2	2279.6	2289.7	2287.2	2299.0	2311.7	2310.8	2316.8	2318.4	2322.7
32.5°	2455.2	2455.2	2472.0	2484.7	2498.2	2494.0	2513.4	2510.0	2519.3	2524.4	2521.8
35°	2694.9	2703.3	2716.0	2723.6	2737.9	2745.5	2759.0	2766.6	2770.8	2770.0	2760.7
37.5°	2942.2	2955.7	2960.7	2979.3	2993.6	3006.3	3008.0	2999.5	3002.9	2986.0	2981.0
40°	3224.9	3244.3	3256.1	3284.0	3282.3	3298.3	3300.0	3275.5	3271.3	3249.4	3226.6
42.5°	3619.9	3646.9	3656.2	3677.3	3660.4	3668.0	3625.8	3615.7	3581.9	3546.4	3495.0
45°	4152.4	4138.9	4144.8	4138.9	4094.2	4061.3	4026.7	3976.9	3927.1	3858.7	3785.3
47.5°	4620.9	4627.6	4583.7	4555.9	4483.3	4436.9	4373.6	4286.6	4225.9	4133.9	4036.8
50°	5075.8	5000.6	4939.0	4874.9	4810.7	4725.5	4630.1	4553.3	4464.7	4349.9	4230.9
52.5°	5445.4	5348.4	5274.1	5182.9	5096.0	5001.5	4901.9	4790.5	4674.0	4559.2	4412.4
55°	6100.4	5959.4	5864.0	5704.5	5605.8	5473.3	5395.6	5251.3	5089.3	4937.3	4781.2
57.5°	7505.6	7294.6	7185.7	7095.4	6941.8	6724.1	6585.7	6348.5	6117.2	5955.2	5695.3
60°	9622.3	9408.0	9227.4	9013.8	8778.3	8483.0	8351.3	8071.9	7741.1	7473.5	7130.0
62.5°	10941.5	10645.3	10352.4	10052.8	9816.5	9585.2	9312.6	9030.7	8703.2	8339.5	7963.9
65°	10994.7	10639.3	10289.1	9983.6	9706.7	9406.3	9150.5	8864.4	8520.1	8145.4	7755.4
67.5°	10442.7	10045.2	9669.6	9334.5	9018.0	8739.5	8472.0	8202.7	7833.9	7520.0	7120.8
70°	9343.0	8980.1	8639.9	8258.5	8016.2	7703.1	7442.3	7158.7	6894.6	6600.9	6227.0
72.5°	6862.5	6589.0	6200.8	6038.8	5908.8	5577.1	5383.0	5359.3	5190.5	4838.6	4559.2
75°	2552.2	2172.4	2057.6	2126.0	2012.1	2050.1	2035.7	1954.7	1958.1	1898.1	1827.2
77.5°	499.6	464.2	436.3	443.9	412.7	399.2	427.9	419.5	404.3	408.5	401.7
80°	340.1	287.8	260.8	250.7	238.0	232.1	230.4	227.9	222.8	220.3	212.7
82.5°	335.1	249.0	196.6	168.8	158.7	153.6	149.4	148.5	146.9	146.0	148.5
85°	133.4	108.0	98.7	90.3	87.8	85.2	85.2	84.4	83.6	85.2	88.6
87.5°	65.0	54.9	49.8	45.6	43.9	43.0	43.0	43.9	44.7	48.1	54.9
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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CANDELA DISTRIBUTION (continued):

	95°	96°	97°	98°	99°	100°	101°	102°	103°	104°	105°
0°	1342.8	1342.8	1342.8	1342.8	1342.8	1342.8	1342.8	1342.8	1342.8	1342.8	1342.8
2.5°	1352.1	1352.9	1351.2	1352.1	1351.2	1349.5	1348.7	1351.2	1350.4	1349.5	1349.5
5°	1386.7	1390.1	1388.4	1386.7	1386.7	1385.8	1385.8	1385.8	1385.0	1385.8	1383.3
7.5°	1446.6	1445.8	1445.8	1444.1	1442.4	1444.1	1443.2	1440.7	1441.5	1439.8	1437.3
10°	1523.4	1520.9	1525.1	1525.1	1521.7	1520.9	1519.2	1516.7	1516.7	1514.1	1514.1
12.5°	1614.6	1612.0	1617.9	1613.7	1608.6	1607.8	1602.7	1601.1	1603.6	1602.7	1601.1
15°	1707.4	1708.2	1710.8	1709.9	1704.0	1704.0	1697.3	1698.1	1693.0	1691.4	1687.1
17.5°	1797.7	1798.5	1796.0	1796.0	1791.8	1789.3	1781.7	1782.5	1779.1	1772.4	1767.3
20°	1878.7	1877.9	1872.0	1877.0	1868.6	1866.9	1860.2	1853.4	1855.1	1848.3	1838.2
22.5°	1958.1	1956.4	1954.7	1952.2	1947.9	1946.2	1938.6	1937.8	1929.4	1919.2	1910.8
25°	2050.1	2049.2	2046.7	2047.5	2039.1	2039.9	2026.4	2023.0	2018.0	2007.0	2000.3
27.5°	2169.1	2169.1	2162.3	2159.8	2157.2	2153.9	2142.0	2133.6	2120.9	2108.3	2094.8
30°	2315.1	2313.4	2311.7	2304.9	2295.7	2290.6	2269.5	2256.0	2239.1	2215.5	2195.2
32.5°	2523.5	2509.2	2497.4	2482.2	2467.0	2450.9	2418.0	2395.2	2368.2	2330.3	2298.2
35°	2755.6	2731.2	2718.5	2687.3	2658.6	2626.5	2586.8	2540.4	2503.3	2453.5	2401.2
37.5°	2947.2	2928.6	2894.9	2859.4	2818.9	2758.2	2713.4	2663.6	2598.6	2543.8	2480.5
40°	3183.5	3141.3	3093.2	3034.1	2978.4	2910.1	2848.5	2776.7	2697.4	2618.1	2535.3
42.5°	3431.7	3366.7	3287.3	3219.0	3134.6	3045.1	2964.9	2867.9	2766.6	2660.3	2549.7
45°	3684.9	3604.7	3499.2	3402.1	3284.8	3172.6	3057.8	2925.3	2786.9	2645.1	2505.8
47.5°	3917.0	3799.6	3679.8	3549.0	3413.9	3269.6	3106.7	2932.9	2750.6	2564.0	2390.2
50°	4099.3	3952.4	3801.3	3650.3	3484.8	3297.5	3092.4	2865.3	2640.8	2417.2	2217.2
52.5°	4260.5	4095.9	3910.2	3722.8	3518.6	3288.2	3031.6	2764.1	2490.6	2243.3	2018.8
55°	4572.7	4366.0	4121.2	3879.8	3621.6	3331.2	3011.4	2683.9	2369.1	2099.8	1861.0
57.5°	5421.0	5141.6	4762.6	4427.6	4100.1	3677.3	3226.6	2823.1	2422.3	2104.1	1838.2
60°	6757.0	6302.1	5868.3	5357.7	4827.6	4247.8	3643.5	3100.0	2611.3	2212.1	1892.2
62.5°	7531.8	7051.5	6493.7	5875.0	5188.0	4481.6	3787.8	3153.2	2617.2	2182.6	1828.1
65°	7322.5	6839.7	6226.1	5593.1	4862.2	4139.8	3451.1	2841.7	2321.8	1920.1	1580.8
67.5°	6701.3	6196.6	5620.1	4917.9	4219.1	3549.8	2921.9	2348.0	1888.0	1513.3	1213.7
70°	5797.4	5348.4	4793.0	4145.7	3468.0	2866.2	2337.0	1819.6	1430.6	1087.1	850.7
72.5°	4302.7	3905.1	3558.3	3017.3	2521.0	2049.2	1617.9	1266.0	930.9	703.9	541.8
75°	1806.1	1671.9	1615.4	1417.1	1232.2	1010.3	760.4	606.0	491.2	417.8	331.7
77.5°	438.0	438.0	411.9	385.7	354.5	320.7	283.6	253.2	238.0	224.5	213.5
80°	212.7	211.0	204.2	203.4	197.5	189.9	185.7	179.8	177.2	173.9	172.2
82.5°	149.4	148.5	146.0	149.4	148.5	151.9	153.6	154.5	154.5	155.3	156.1
85°	94.5	97.9	104.7	113.1	120.7	130.0	138.4	145.2	150.2	154.5	157.8
87.5°	59.9	68.4	73.4	86.1	98.7	113.1	129.1	135.9	141.8	142.6	137.6
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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CANDELA DISTRIBUTION (continued):

	106°	107°	108°	109°	110°	115°	125°	135°	145°	155°	165°
0°	1342.8	1342.8	1342.8	1342.8	1342.8	1342.8	1342.8	1342.8	1342.8	1342.8	1342.8
2.5°	1349.5	1348.7	1350.4	1348.7	1348.7	1347.9	1345.3	1342.8	1340.3	1339.4	1336.9
5°	1382.5	1382.5	1384.1	1380.8	1381.6	1378.2	1370.6	1362.2	1354.6	1347.9	1340.3
7.5°	1438.2	1435.6	1436.5	1435.6	1433.9	1427.2	1410.3	1389.2	1369.0	1347.9	1331.0
10°	1512.4	1507.4	1507.4	1505.7	1503.1	1493.9	1458.4	1416.2	1374.0	1336.0	1308.2
12.5°	1595.1	1596.0	1589.2	1585.0	1580.8	1561.4	1508.2	1440.7	1374.0	1313.2	1268.5
15°	1681.2	1680.4	1672.8	1670.3	1661.0	1632.3	1552.1	1453.4	1358.0	1268.5	1201.8
17.5°	1758.9	1755.5	1747.9	1742.8	1732.7	1694.7	1581.6	1447.4	1315.8	1198.5	1114.9
20°	1829.8	1825.6	1818.8	1809.5	1799.4	1744.5	1592.6	1417.1	1249.1	1114.9	1030.5
22.5°	1903.2	1893.9	1886.3	1873.7	1862.7	1789.3	1585.0	1363.0	1173.1	1022.1	931.8
25°	1985.1	1974.1	1958.1	1942.9	1926.0	1825.6	1563.9	1295.5	1082.0	921.6	830.5
27.5°	2073.7	2057.6	2036.6	2017.1	1990.1	1852.6	1527.6	1220.4	982.4	822.0	727.5
30°	2167.4	2137.8	2111.7	2082.1	2047.5	1865.2	1475.3	1127.6	872.7	720.8	626.2
32.5°	2258.5	2218.9	2180.0	2137.0	2089.7	1860.2	1401.0	1017.9	763.0	626.2	546.9
35°	2351.4	2294.0	2240.0	2181.7	2124.3	1834.8	1298.9	896.3	659.2	547.8	490.4
37.5°	2414.7	2342.9	2271.2	2201.1	2131.9	1780.0	1163.0	760.4	565.5	491.2	449.8
40°	2446.7	2359.0	2271.2	2184.2	2099.0	1688.8	1004.3	636.4	498.8	449.0	419.5
42.5°	2437.4	2328.6	2219.7	2116.7	2012.1	1543.7	832.2	534.2	452.4	416.1	389.9
45°	2360.6	2230.7	2106.6	1997.7	1866.9	1357.1	683.6	470.9	416.9	389.1	364.6
47.5°	2216.3	2071.2	1919.2	1796.0	1673.6	1141.1	568.8	431.3	385.7	362.9	338.4
50°	2032.3	1864.4	1712.5	1579.1	1459.3	939.4	490.4	397.5	360.4	341.0	314.8
52.5°	1829.8	1649.2	1510.7	1370.6	1253.3	784.1	435.5	360.4	335.9	315.7	294.6
55°	1661.8	1494.7	1353.8	1212.8	1094.7	686.2	389.9	331.7	313.1	292.0	275.1
57.5°	1617.1	1426.3	1272.7	1139.4	1017.9	626.2	357.0	305.5	292.9	276.8	258.3
60°	1635.7	1425.5	1253.3	1107.3	979.9	578.1	332.5	287.8	277.7	263.3	243.9
62.5°	1569.0	1347.0	1173.1	1017.9	897.2	517.4	314.8	279.4	272.6	253.2	231.3
65°	1336.9	1133.5	966.4	832.2	728.4	435.5	300.5	287.0	280.2	246.4	222.8
67.5°	1017.9	848.2	714.0	613.6	538.5	360.4	297.1	312.3	298.8	249.8	220.3
70°	703.9	575.6	489.5	428.7	381.5	303.8	308.1	340.1	320.7	260.8	234.6
72.5°	446.5	373.0	330.8	308.1	285.3	256.6	305.5	336.8	310.6	262.5	234.6
75°	286.1	255.7	241.4	232.9	226.2	223.7	269.2	276.8	249.8	227.9	218.6
77.5°	202.6	197.5	195.0	194.1	195.0	200.9	222.8	208.5	181.5	182.3	187.4
80°	171.3	171.3	169.6	170.5	172.2	174.7	178.1	153.6	139.3	150.2	167.1
82.5°	157.0	159.5	161.2	162.9	165.4	162.0	151.1	116.5	112.3	146.0	163.7
85°	159.5	159.5	160.4	162.0	162.9	146.0	125.8	87.8	86.1	163.7	154.5
87.5°	136.7	135.0	129.1	124.9	119.0	100.4	83.6	49.0	50.6	101.3	108.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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CANDELA DISTRIBUTION (continued):

	175°	180°
0°	1342.8	1342.8
2.5°	1336.0	1336.0
5°	1336.0	1336.0
7.5°	1325.1	1321.7
10°	1293.0	1288.8
12.5°	1244.0	1239.8
15°	1168.9	1163.9
17.5°	1075.2	1066.8
20°	977.3	965.5
22.5°	879.4	870.2
25°	779.0	770.6
27.5°	680.3	671.8
30°	589.1	585.7
32.5°	521.6	518.2
35°	471.8	470.1
37.5°	438.0	436.3
40°	408.5	406.8
42.5°	381.5	379.0
45°	354.5	355.3
47.5°	327.5	326.6
50°	303.8	303.8
52.5°	284.4	283.6
55°	266.7	265.9
57.5°	249.0	248.1
60°	233.8	231.3
62.5°	219.4	217.7
65°	210.2	209.3
67.5°	203.4	200.9
70°	201.7	195.0
72.5°	196.6	188.2
75°	184.8	180.6
77.5°	162.9	157.8
80°	125.8	116.5
82.5°	105.5	91.2
85°	77.6	71.7
87.5°	56.5	44.7
90°	0.0	0.0

(END OF REPORT)