

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: P507861

Luminaire Tested: **UFLD-S-CA1-50-722-U-66**

Issue Date: 3/30/2021

Test Information

Test Method: LM-79-08
Report Number: P507861
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2101-110-4)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 3/30/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: UFLD-S-CA1-50-722-U-66
Description: UTILITY FLOOD SMALL, 6x6 OPTIC
Light Source: (1) 2200K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

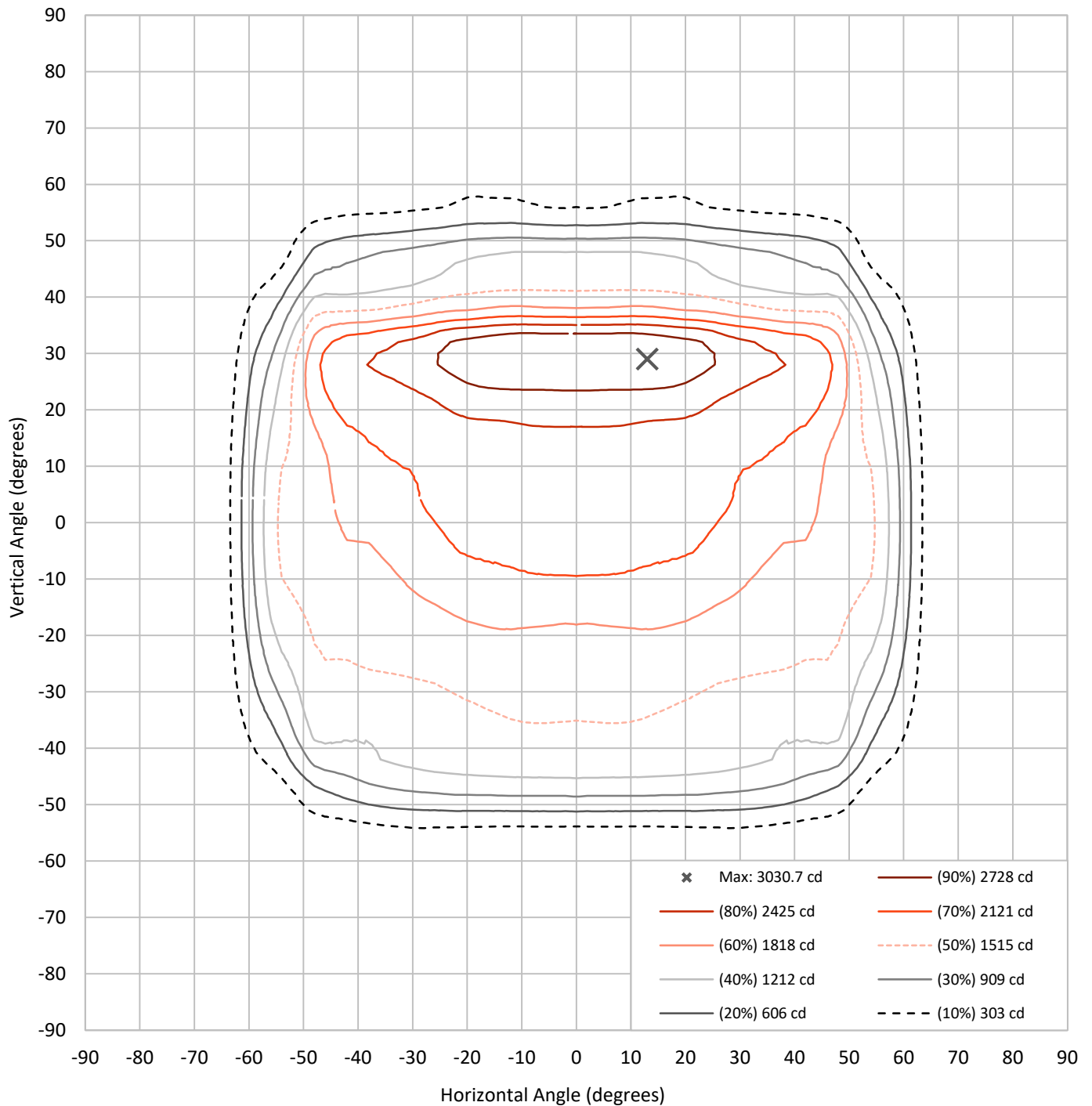
Lumens per Lamp:	N/A	NEMA Type:	6H x 6V
Luminaire Lumens:	5515 lumens	Max Intensity:	3030.7 candela
Efficiency:	N/A	Max Intensity Angle:	13°H x 29°V
Efficacy:	111.2 lumens/watt		
Luminous Opening:	Rectangular (W 0.67' x L: 0.5' x H: 0')		
Beam Angle (50%):	103.2°H x 75.8°V	Field Angle (10%):	124.4°H x 111.6°V
Beam Lumens:	4029.4 lumens	Field Lumens:	5355.4 lumens
Beam Efficiency:	73.1%	Field Efficiency:	97.1%
Input Watts (W):	49.6		
Input Voltage (V):	120		
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:	24 FT		



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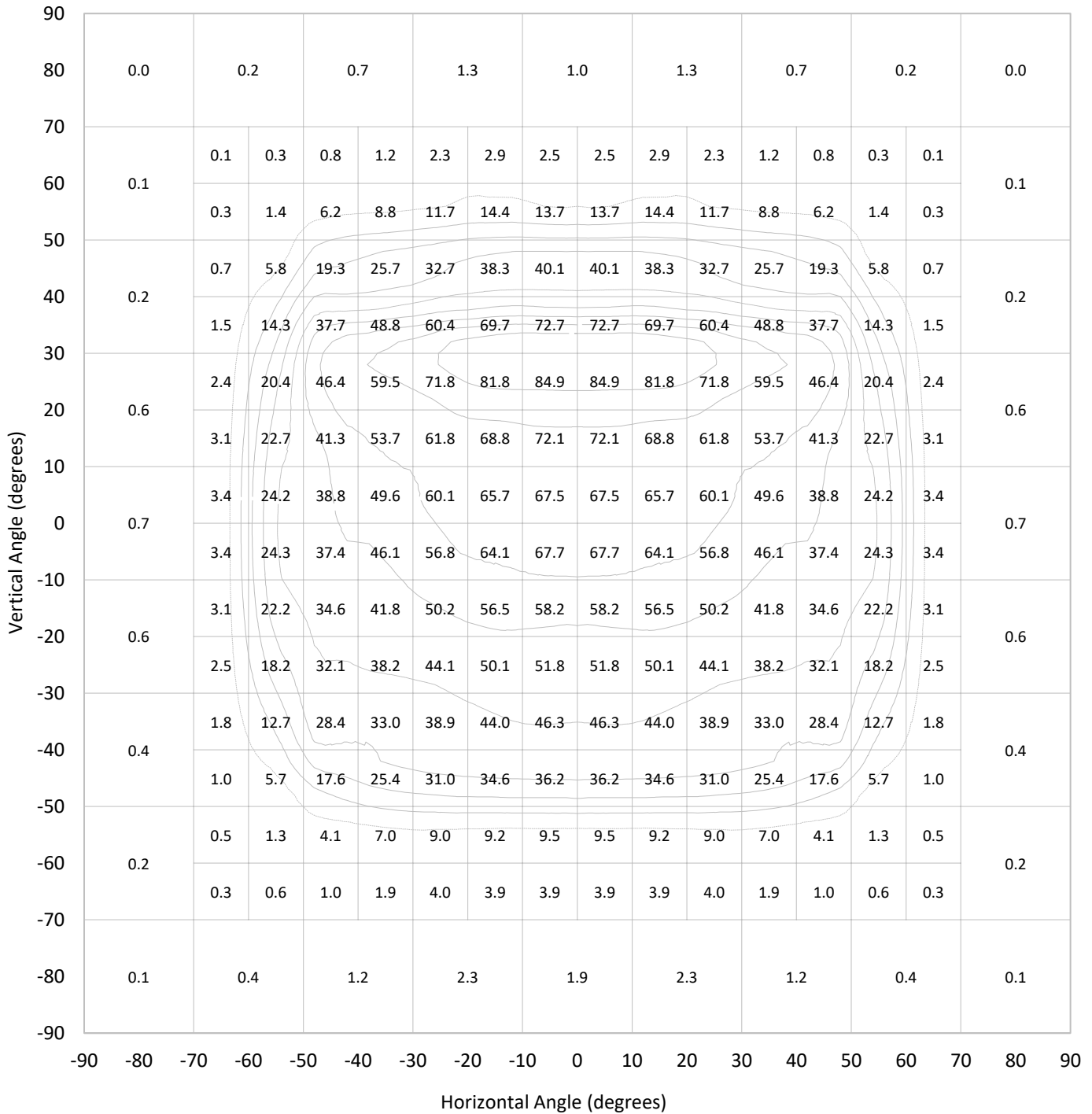
Iso-Candela Plot





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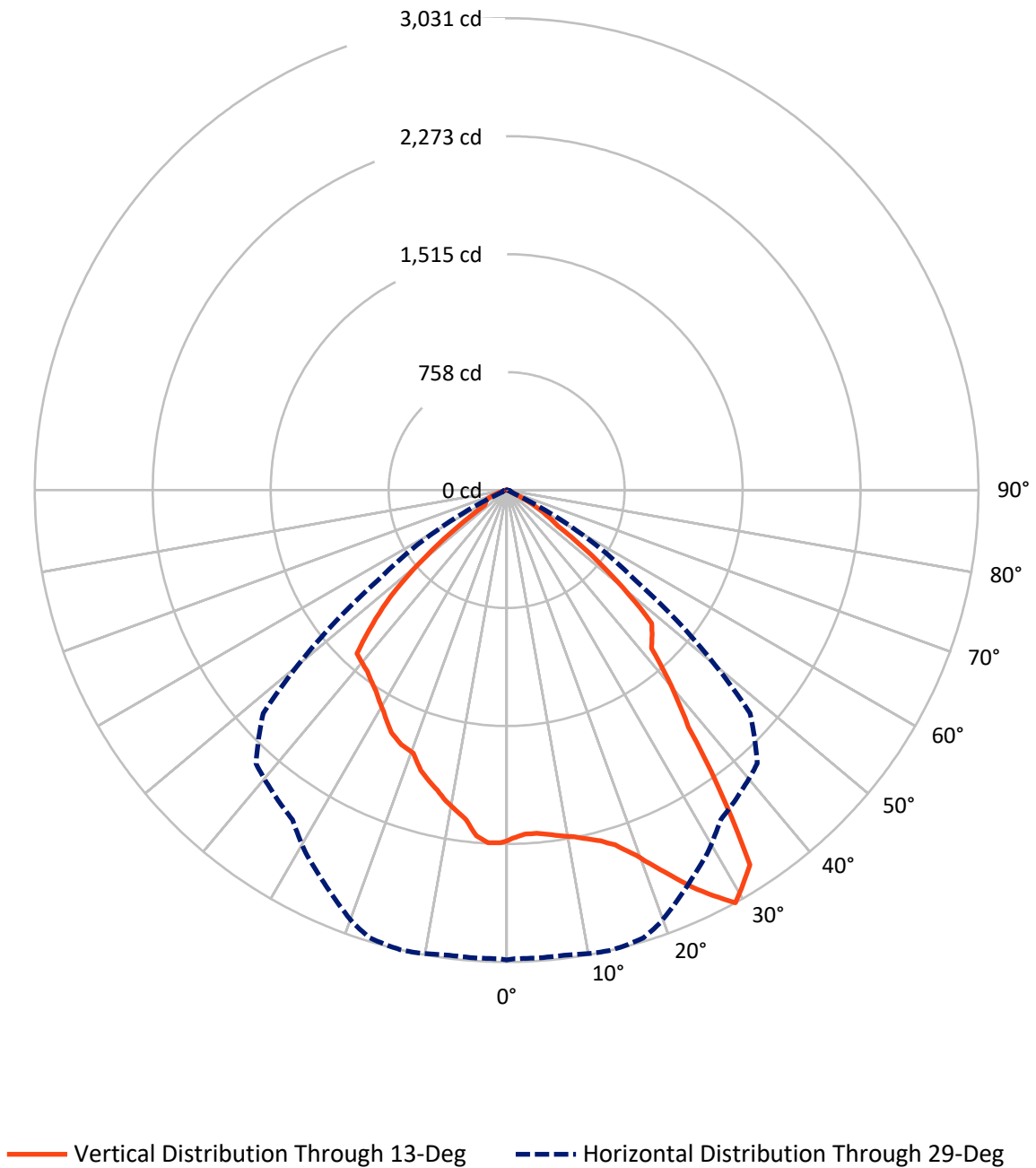
Lumen Table



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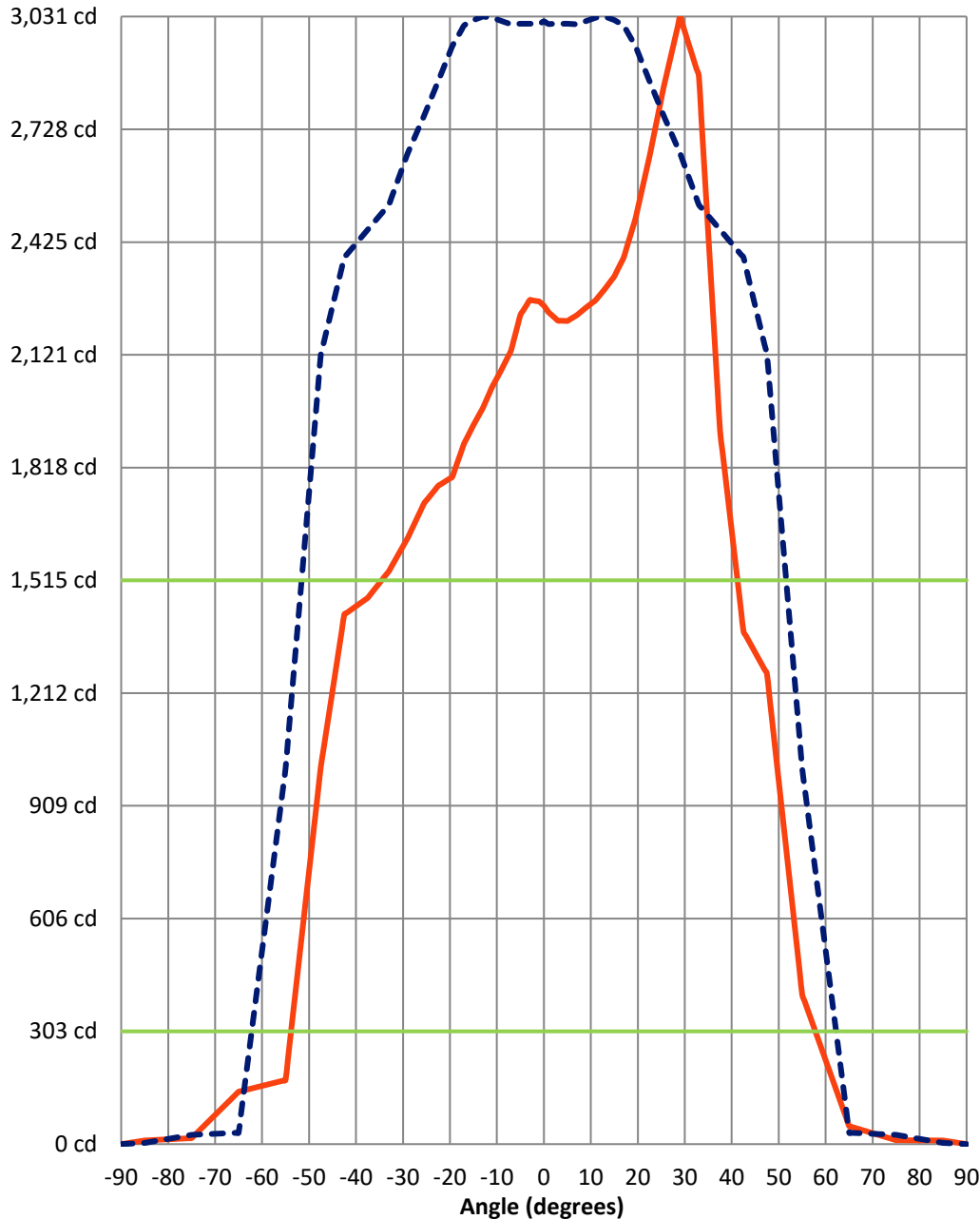
Luminous Intensity Polar Plot



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Luminous Intensity Plot



Beam:
 H Angle: 103.2°
 V Angle: 75.8°
 Lumens: 4029.4
 Efficiency: 73.1%

Field:
 H Angle: 124.4°
 V Angle: 111.6°
 Lumens: 5355.4
 Efficiency: 97.1%

Spill:
 Lumens: 159.6
 Efficiency: 2.9%

— Vertical Distribution through 13-Deg
 - - - Horizontal Distribution through 29-Deg



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FIELD
BEAM

CANDELA DISTRIBUTION:

	0°	1°	3°	5°	7°	9°	11°	13°	15°	17°	19.5°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.8	2.4	4.8	6.4	8.0	8.8	9.7	9.7	8.8	8.8
75°	7.2	7.2	8.0	7.2	6.4	8.0	11.3	10.5	11.3	12.9	10.5
65°	61.1	61.9	61.1	57.1	51.5	47.5	45.1	48.3	59.5	79.6	94.9
55°	327.4	310.6	310.6	319.4	337.1	363.7	379.7	402.3	377.3	392.6	387.0
47.5°	1276.0	1274.4	1277.6	1276.0	1276.8	1277.6	1273.6	1263.9	1250.3	1240.6	1215.7
42.5°	1375.8	1378.2	1381.4	1384.6	1387.0	1385.4	1382.2	1378.2	1364.5	1351.6	1336.3
37.5°	1873.0	1869.0	1887.5	1884.2	1886.7	1917.2	1911.6	1918.8	1896.3	1870.6	1809.4
33°	2890.7	2889.9	2900.4	2885.9	2898.8	2903.6	2897.2	2869.8	2847.3	2804.6	2770.0
29°	3017.8	3010.6	3011.4	3011.4	3009.8	3018.6	3027.5	3030.7	3021.1	3006.6	2951.1
25.5°	2847.3	2854.5	2843.3	2842.4	2839.2	2840.0	2840.8	2840.8	2828.0	2811.9	2775.7
22.5°	2672.7	2671.9	2671.1	2665.4	2663.8	2663.0	2662.2	2655.0	2651.0	2648.6	2623.6
19.5°	2507.8	2515.8	2515.0	2514.2	2513.4	2508.6	2498.9	2487.6	2482.0	2482.8	2476.4
17°	2420.9	2416.8	2418.5	2417.6	2417.6	2408.0	2393.5	2383.1	2371.8	2365.4	2354.9
15°	2363.7	2364.5	2366.2	2362.9	2358.1	2353.3	2345.2	2332.4	2320.3	2308.2	2289.7
13°	2330.8	2330.0	2329.2	2323.5	2321.1	2314.7	2305.8	2298.6	2287.3	2275.2	2254.3
11°	2308.2	2306.6	2305.0	2300.2	2296.2	2288.1	2278.5	2268.0	2260.8	2255.1	2243.9
9°	2272.0	2271.2	2272.8	2268.8	2268.0	2264.0	2255.1	2248.7	2243.1	2244.7	2242.3
7°	2243.1	2243.9	2244.7	2242.3	2242.3	2239.0	2233.4	2227.8	2227.8	2235.0	2240.7
5°	2220.5	2218.1	2218.1	2218.1	2218.9	2217.3	2215.7	2212.5	2215.7	2227.0	2243.1
3°	2196.4	2195.6	2200.4	2202.8	2204.4	2208.5	2212.5	2213.3	2218.9	2237.4	2259.2
1°	2185.1	2186.7	2189.2	2195.6	2202.0	2212.5	2225.4	2235.8	2240.7	2252.7	2257.5
0°	2181.1	2182.7	2188.4	2199.6	2211.7	2228.6	2239.8	2253.5	2250.3	2252.7	2251.1
-1°	2200.4	2204.4	2206.9	2226.2	2241.5	2253.5	2264.0	2264.8	2255.9	2251.1	2243.1
-3°	2280.1	2278.5	2284.1	2286.5	2296.2	2294.6	2284.1	2268.8	2244.7	2227.0	2202.8
-5°	2312.3	2309.0	2305.8	2309.0	2305.0	2285.7	2264.0	2228.6	2192.4	2164.2	2140.1
-7°	2257.5	2260.0	2249.5	2249.5	2225.4	2203.6	2161.8	2132.8	2111.9	2103.1	2106.3
-9°	2145.7	2132.0	2132.8	2131.2	2126.4	2103.9	2091.0	2082.2	2077.3	2078.1	2082.2
-11°	2037.9	2037.1	2038.7	2033.1	2033.9	2034.7	2034.7	2035.5	2037.1	2038.7	2038.7
-13°	1976.0	1971.9	1974.3	1973.5	1976.0	1976.0	1978.4	1978.4	1980.8	1981.6	1976.0
-15°	1932.5	1930.9	1930.9	1932.5	1931.7	1929.3	1930.9	1932.5	1929.3	1924.5	1910.8
-17°	1848.8	1830.3	1847.2	1855.3	1860.9	1864.1	1868.1	1882.6	1878.6	1862.5	1845.6
-19.5°	1776.4	1774.8	1776.4	1778.0	1782.1	1787.7	1792.5	1793.3	1785.3	1772.4	1752.3
-22.5°	1747.5	1746.7	1749.1	1752.3	1756.3	1761.9	1766.8	1769.2	1763.6	1749.9	1727.4
-25.5°	1702.4	1703.2	1705.6	1708.0	1711.3	1714.5	1718.5	1722.5	1720.9	1708.0	1687.1
-29°	1642.9	1642.1	1643.7	1646.1	1649.3	1642.9	1636.4	1629.2	1621.2	1609.1	1585.8
-33°	1555.2	1555.2	1556.8	1560.0	1560.8	1556.8	1548.7	1539.9	1524.6	1506.1	1482.0
-37.5°	1469.9	1472.3	1477.1	1479.6	1482.0	1481.2	1477.9	1468.3	1452.2	1436.9	1418.4
-42.5°	1444.2	1445.0	1445.8	1445.8	1440.9	1436.1	1430.5	1423.2	1412.8	1407.9	1395.1
-47.5°	1030.6	1007.3	1022.6	1007.3	1012.9	1015.3	1012.1	1013.7	996.0	998.4	988.8
-55°	174.6	176.2	177.8	181.8	181.0	176.2	171.4	172.2	180.2	188.3	185.8
-65°	139.2	139.2	138.4	137.6	136.8	137.6	138.4	140.8	141.6	144.0	147.2
-75°	13.7	13.7	12.9	11.3	9.7	14.5	16.1	16.1	16.1	16.9	17.7
-85°	0.8	1.6	3.2	5.6	7.2	8.8	9.7	9.7	9.7	9.7	9.7
-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):

	22.5°	25.5°	29°	33°	37.5°	42.5°	47.5°	55°	65°	75°	85°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	8.0	8.0	7.2	6.4	4.8	3.2	2.4	1.6	0.8	0.8	1.6
75°	9.7	9.7	11.3	15.3	15.3	8.8	5.6	3.2	3.2	1.6	2.4
65°	79.6	45.9	28.2	20.9	15.3	13.7	10.5	8.8	10.5	3.2	2.4
55°	346.8	311.4	296.1	267.1	259.9	249.4	210.0	33.0	20.1	5.6	2.4
47.5°	1169.0	1111.9	1047.5	986.4	929.2	856.8	730.5	99.0	25.7	7.2	3.2
42.5°	1300.1	1235.0	1185.9	1131.2	1062.0	1016.9	1045.9	367.7	24.9	10.5	3.2
37.5°	1794.1	1746.7	1655.7	1598.6	1515.8	1490.0	1494.0	612.3	21.7	15.3	3.2
33°	2725.0	2590.6	2461.9	2381.4	2251.1	2190.0	1934.1	820.6	24.9	20.1	3.2
29°	2856.9	2764.4	2663.0	2524.7	2457.9	2383.1	2121.6	1009.7	30.6	24.9	3.2
25.5°	2703.3	2620.4	2527.9	2434.5	2384.7	2309.0	2095.8	1128.0	37.0	29.8	4.0
22.5°	2553.6	2467.5	2386.3	2323.5	2289.7	2259.2	2041.1	1213.2	44.2	33.0	4.0
19.5°	2427.3	2350.9	2280.1	2227.8	2220.5	2199.6	1926.1	1280.8	52.3	36.2	4.0
17°	2313.9	2255.9	2206.1	2172.3	2177.1	2105.5	1842.4	1337.1	59.5	38.6	4.0
15°	2248.7	2203.6	2169.9	2161.0	2148.9	2033.9	1792.5	1379.8	64.4	41.0	4.0
13°	2213.3	2169.9	2150.5	2160.2	2110.3	1970.3	1756.3	1421.6	69.2	42.6	4.0
11°	2206.1	2158.6	2145.7	2138.5	2066.9	1941.4	1732.2	1460.2	74.0	43.4	4.0
9°	2215.7	2169.9	2137.7	2092.6	2027.4	1929.3	1724.1	1493.2	75.6	44.2	4.0
7°	2223.0	2181.1	2128.8	2048.4	1979.2	1917.2	1716.1	1516.6	74.0	45.1	4.8
5°	2235.8	2188.4	2123.2	2007.3	1938.9	1895.5	1708.0	1531.8	70.8	45.1	4.8
3°	2239.8	2177.1	2107.1	1971.9	1906.8	1883.4	1708.0	1545.5	69.2	44.2	4.8
1°	2222.1	2148.9	2068.5	1943.0	1877.8	1864.9	1705.6	1552.8	67.6	43.4	4.8
0°	2208.5	2128.8	2050.0	1926.9	1864.9	1852.1	1704.0	1554.4	66.8	44.2	4.8
-1°	2190.8	2108.7	2032.3	1916.4	1850.4	1840.8	1703.2	1557.6	66.8	42.6	4.8
-3°	2143.3	2063.7	2004.1	1891.5	1824.7	1819.1	1700.0	1552.0	66.8	41.0	4.8
-5°	2105.5	2043.5	1985.6	1873.0	1803.8	1795.7	1695.2	1541.5	66.8	40.2	4.8
-7°	2084.6	2029.1	1963.1	1847.2	1780.5	1767.6	1687.9	1522.2	66.8	38.6	4.8
-9°	2056.4	1997.7	1928.5	1811.8	1745.9	1730.6	1678.3	1500.5	66.8	37.8	4.8
-11°	2008.9	1945.4	1871.4	1770.0	1712.1	1683.9	1654.1	1472.3	66.8	37.0	4.8
-13°	1935.7	1875.4	1813.4	1726.5	1675.1	1645.3	1626.8	1435.3	65.2	37.0	4.8
-15°	1869.8	1807.8	1752.3	1690.3	1646.1	1613.9	1605.1	1392.7	64.4	37.0	4.8
-17°	1795.7	1737.8	1695.2	1652.5	1620.3	1588.2	1581.7	1342.8	63.6	37.8	4.8
-19.5°	1708.0	1659.8	1636.4	1611.5	1581.7	1556.0	1555.2	1274.4	62.8	37.8	4.8
-22.5°	1676.7	1629.2	1605.9	1584.1	1551.2	1527.8	1528.6	1179.5	60.3	37.8	4.8
-25.5°	1632.4	1584.9	1560.8	1543.1	1526.2	1503.7	1508.5	1071.7	57.9	37.0	4.8
-29°	1543.9	1505.3	1490.0	1471.5	1464.3	1473.1	1489.2	933.3	57.1	35.4	4.8
-33°	1452.2	1423.2	1398.3	1362.9	1346.8	1387.0	1449.8	759.5	57.9	33.0	4.8
-37.5°	1396.7	1370.9	1332.3	1276.0	1228.5	1253.5	1329.1	572.0	57.9	28.2	4.8
-42.5°	1366.1	1351.6	1305.0	1258.3	1181.1	1065.2	1013.7	364.5	58.7	20.9	4.8
-47.5°	986.4	956.6	936.5	901.9	843.2	708.8	556.7	120.7	56.3	12.1	4.8
-55°	202.7	201.9	218.8	201.1	156.9	112.6	116.7	39.4	45.9	8.0	4.8
-65°	165.7	179.4	131.9	82.9	48.3	34.6	46.7	33.8	19.3	5.6	4.0
-75°	17.7	16.9	12.9	14.5	16.1	14.5	13.7	8.8	6.4	4.8	3.2
-85°	8.8	8.8	8.8	8.0	7.2	6.4	5.6	4.8	4.0	4.0	3.2
-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):

	90°
90°	0.0
85°	0.0
75°	0.0
65°	0.0
55°	0.0
47.5°	0.0
42.5°	0.0
37.5°	0.0
33°	0.0
29°	0.0
25.5°	0.0
22.5°	0.0
19.5°	0.0
17°	0.0
15°	0.0
13°	0.0
11°	0.0
9°	0.0
7°	0.0
5°	0.0
3°	0.0
1°	0.0
0°	0.0
-1°	0.0
-3°	0.0
-5°	0.0
-7°	0.0
-9°	0.0
-11°	0.0
-13°	0.0
-15°	0.0
-17°	0.0
-19.5°	0.0
-22.5°	0.0
-25.5°	0.0
-29°	0.0
-33°	0.0
-37.5°	0.0
-42.5°	0.0
-47.5°	0.0
-55°	0.0
-65°	0.0
-75°	0.0
-85°	0.0
-90°	0.0

(END OF REPORT)