

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: P507862

Luminaire Tested: **UFLD-S-CA1-50-727-U-66**

Issue Date: 3/30/2021

Test Information

Test Method: LM-79-08
Report Number: P507862
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-CA1-50-727-U-66
Description: UTILITY FLOOD SMALL, 6x6 OPTIC
Light Source: (1) 2700K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

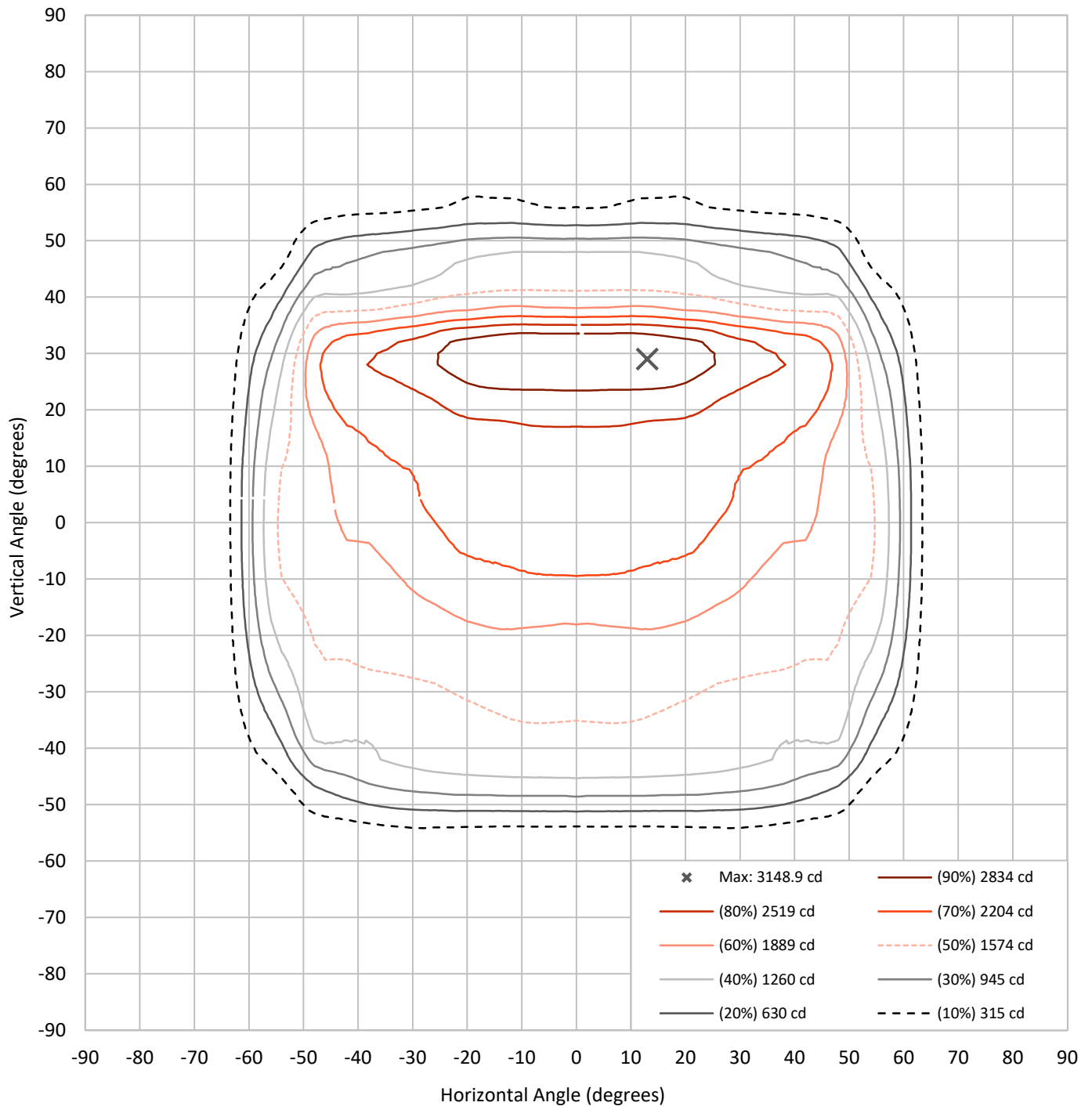
Lumens per Lamp:	N/A	NEMA Type:	6H x 6V
Luminaire Lumens:	5730 lumens	Max Intensity:	3148.9 candela
Efficiency:	N/A	Max Intensity Angle:	13°H x 29°V
Efficacy:	115.5 lumens/watt		
Luminous Opening:	Rectangular (W 0.67' x L: 0.5' x H: 0')		
Beam Angle (50%):	103.2°H x 75.8°V	Field Angle (10%):	124.4°H x 111.6°V
Beam Lumens:	4177.8 lumens	Field Lumens:	5564.1 lumens
Beam Efficiency:	72.9%	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

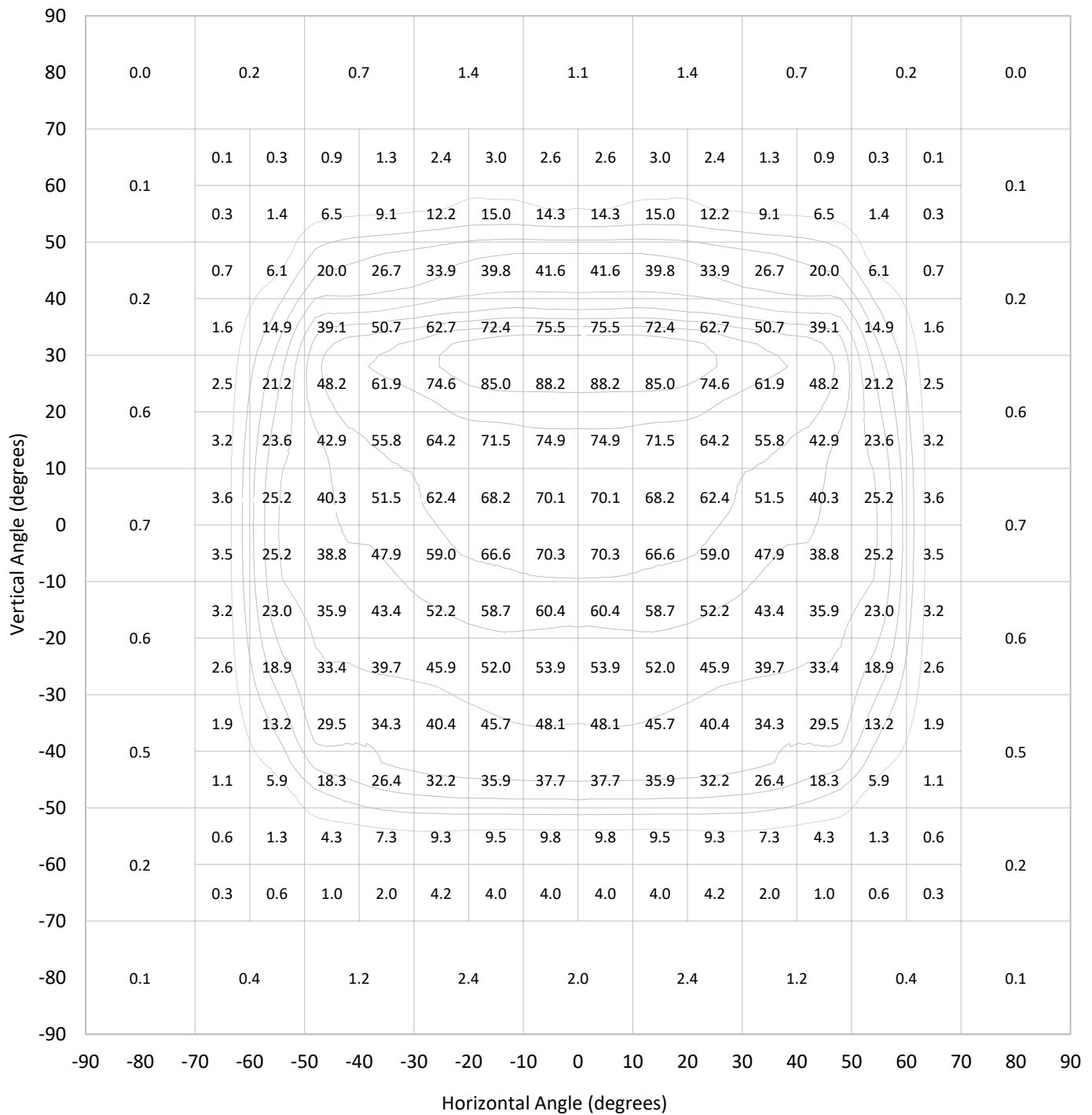




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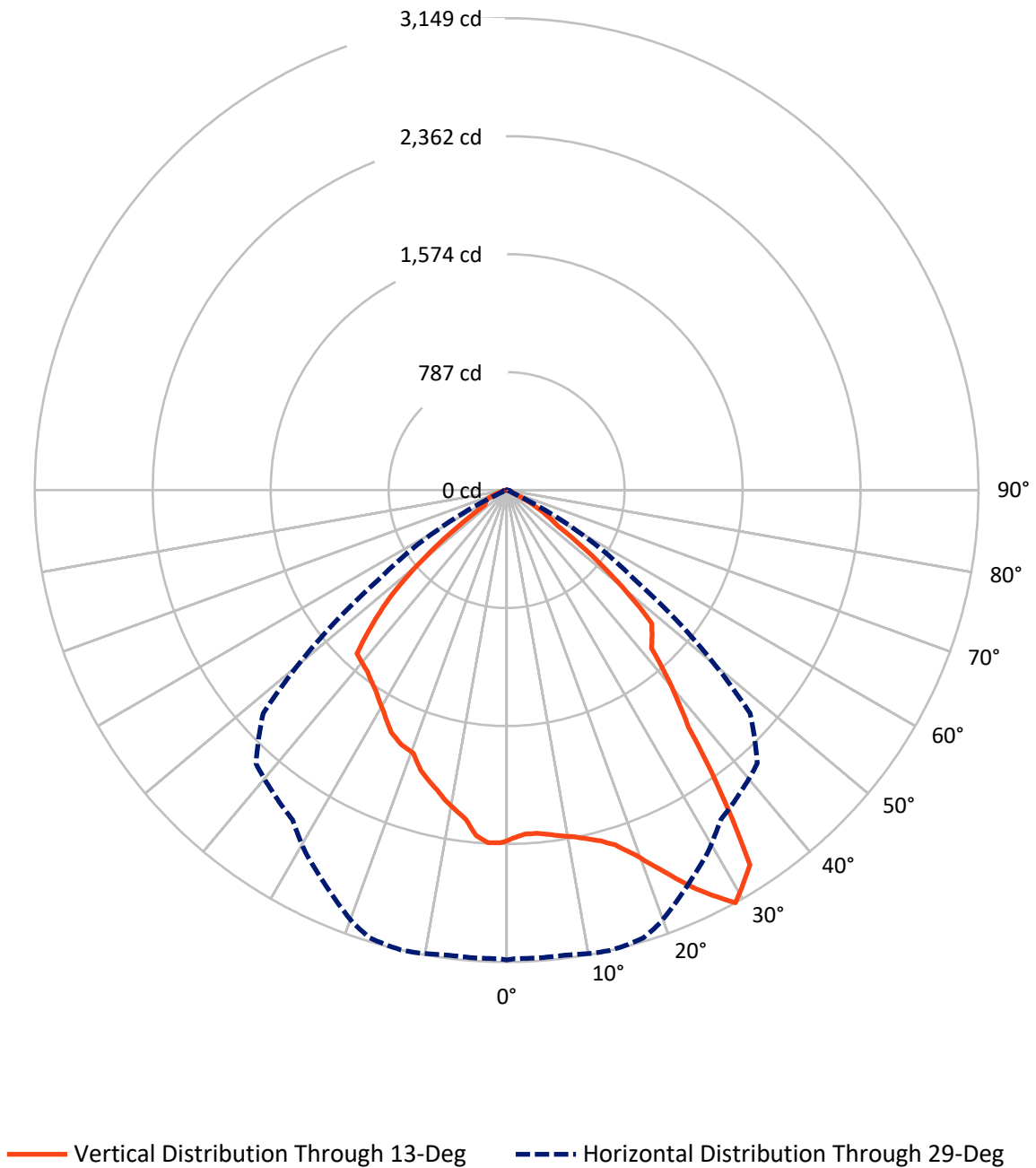
Lumen Table



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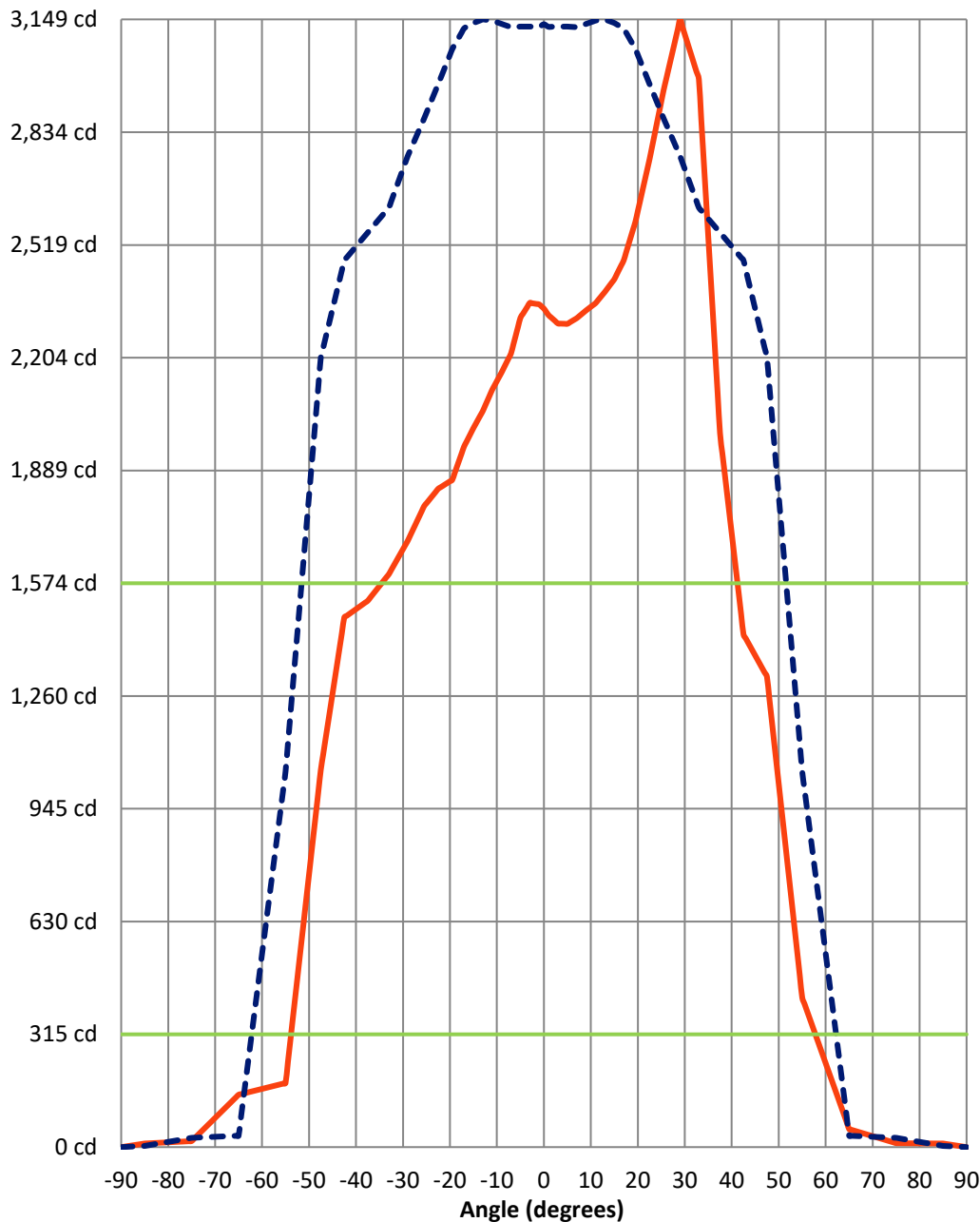
Luminous Intensity Polar Plot



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Luminous Intensity Plot



Beam:
 H Angle: 103.2°
 V Angle: 75.8°
 Lumens: 4177.8
 Efficiency: 72.9%

Field:
 H Angle: 124.4°
 V Angle: 111.6°
 Lumens: 5564.1
 Efficiency: 97.1%

Spill:
 Lumens: 165.8
 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	2.5	5.0	6.7	8.4	9.2	10.0	10.0	9.2	9.2
75°	7.5	7.5	8.4	7.5	6.7	8.4	11.7	10.9	11.7	13.4	10.9
65°	63.5	64.4	63.5	59.3	53.5	49.3	46.8	50.2	61.9	82.8	98.6
55°	340.2	322.7	322.7	331.9	350.2	377.8	394.5	418.0	392.0	407.9	402.1
47.5°	1325.7	1324.1	1327.4	1325.7	1326.6	1327.4	1323.2	1313.2	1299.0	1289.0	1263.1
42.5°	1429.4	1431.9	1435.3	1438.6	1441.1	1439.4	1436.1	1431.9	1417.7	1404.3	1388.4
37.5°	1946.0	1941.8	1961.0	1957.7	1960.2	1992.0	1986.1	1993.6	1970.2	1943.5	1880.0
33°	3003.4	3002.6	3013.4	2998.4	3011.8	3016.8	3010.1	2981.7	2958.3	2914.0	2878.0
29°	3135.5	3128.0	3128.8	3128.8	3127.1	3136.3	3145.5	3148.9	3138.8	3123.8	3066.1
25.5°	2958.3	2965.8	2954.1	2953.3	2949.9	2950.8	2951.6	2951.6	2938.2	2921.5	2883.9
22.5°	2776.9	2776.0	2775.2	2769.4	2767.7	2766.9	2766.0	2758.5	2754.3	2751.8	2725.9
19.5°	2605.5	2613.9	2613.0	2612.2	2611.4	2606.4	2596.3	2584.6	2578.8	2579.6	2572.9
17°	2515.2	2511.1	2512.7	2511.9	2511.9	2501.9	2486.8	2476.0	2464.3	2457.6	2446.7
15°	2455.9	2456.7	2458.4	2455.1	2450.0	2445.0	2436.7	2423.3	2410.8	2398.2	2379.0
13°	2421.6	2420.8	2420.0	2414.1	2411.6	2404.9	2395.7	2388.2	2376.5	2363.9	2342.2
11°	2398.2	2396.5	2394.9	2389.9	2385.7	2377.3	2367.3	2356.4	2348.9	2343.0	2331.3
9°	2360.6	2359.8	2361.4	2357.3	2356.4	2352.2	2343.0	2336.4	2330.5	2332.2	2329.7
7°	2330.5	2331.3	2332.2	2329.7	2329.7	2326.3	2320.5	2314.6	2314.6	2322.1	2328.0
5°	2307.1	2304.6	2304.6	2304.6	2305.4	2303.8	2302.1	2298.7	2302.1	2313.8	2330.5
3°	2282.0	2281.2	2286.2	2288.7	2290.4	2294.6	2298.7	2299.6	2305.4	2324.7	2347.2
1°	2270.3	2272.0	2274.5	2281.2	2287.9	2298.7	2312.1	2323.0	2328.0	2340.5	2345.6
0°	2266.1	2267.8	2273.7	2285.4	2297.9	2315.5	2327.2	2341.4	2338.0	2340.5	2338.9
-1°	2286.2	2290.4	2292.9	2313.0	2328.8	2341.4	2352.2	2353.1	2343.9	2338.9	2330.5
-3°	2369.0	2367.3	2373.1	2375.6	2385.7	2384.0	2373.1	2357.3	2332.2	2313.8	2288.7
-5°	2402.4	2399.1	2395.7	2399.1	2394.9	2374.8	2352.2	2315.5	2277.8	2248.6	2223.5
-7°	2345.6	2348.1	2337.2	2337.2	2312.1	2289.5	2246.1	2216.0	2194.3	2185.1	2188.4
-9°	2229.4	2215.2	2216.0	2214.3	2209.3	2185.9	2172.5	2163.3	2158.3	2159.1	2163.3
-11°	2117.4	2116.5	2118.2	2112.3	2113.2	2114.0	2114.0	2114.8	2116.5	2118.2	2118.2
-13°	2053.0	2048.8	2051.3	2050.5	2053.0	2053.0	2055.5	2055.5	2058.0	2058.8	2053.0
-15°	2007.8	2006.2	2006.2	2007.8	2007.0	2004.5	2006.2	2007.8	2004.5	1999.5	1985.3
-17°	1920.9	1901.7	1919.2	1927.6	1933.5	1936.8	1941.0	1956.0	1951.8	1935.1	1917.6
-19.5°	1845.7	1844.0	1845.7	1847.4	1851.5	1857.4	1862.4	1863.2	1854.9	1841.5	1820.6
-22.5°	1815.6	1814.8	1817.3	1820.6	1824.8	1830.6	1835.7	1838.2	1832.3	1818.1	1794.7
-25.5°	1768.8	1769.6	1772.1	1774.6	1778.0	1781.3	1785.5	1789.7	1788.0	1774.6	1752.9
-29°	1706.9	1706.1	1707.8	1710.3	1713.6	1706.9	1700.2	1692.7	1684.4	1671.8	1647.6
-33°	1615.8	1615.8	1617.5	1620.8	1621.7	1617.5	1609.1	1599.9	1584.0	1564.8	1539.7
-37.5°	1527.2	1529.7	1534.7	1537.2	1539.7	1538.9	1535.6	1525.5	1508.8	1492.9	1473.7
-42.5°	1500.5	1501.3	1502.1	1502.1	1497.1	1492.1	1486.2	1478.7	1467.9	1462.8	1449.5
-47.5°	1070.8	1046.6	1062.4	1046.6	1052.4	1054.9	1051.6	1053.2	1034.9	1037.4	1027.3
-55°	181.4	183.1	184.7	188.9	188.1	183.1	178.0	178.9	187.2	195.6	193.1
-65°	144.6	144.6	143.8	142.9	142.1	142.9	143.8	146.3	147.1	149.6	153.0
-75°	14.2	14.2	13.4	11.7	10.0	15.0	16.7	16.7	16.7	17.6	18.4
-85°	0.8	1.7	3.3	5.9	7.5	9.2	10.0	10.0	10.0	10.0	10.0
-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):

	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°	8.4	8.4	7.5	6.7	5.0	3.3	2.5	1.7	0.8	0.8	1.7
75°	10.0	10.0	11.7	15.9	15.9	9.2	5.9	3.3	3.3	1.7	2.5
65°	82.8	47.6	29.3	21.7	15.9	14.2	10.9	9.2	10.9	3.3	2.5
55°	360.3	323.5	307.6	277.5	270.0	259.1	218.2	34.3	20.9	5.9	2.5
47.5°	1214.6	1155.2	1088.4	1024.8	965.5	890.2	759.0	102.8	26.7	7.5	3.3
42.5°	1350.8	1283.1	1232.1	1175.3	1103.4	1056.6	1086.7	382.0	25.9	10.9	3.3
37.5°	1864.1	1814.8	1720.3	1660.9	1574.8	1548.1	1552.3	636.1	22.6	15.9	3.3
33°	2831.2	2691.6	2557.9	2474.3	2338.9	2275.3	2009.5	852.6	25.9	20.9	3.3
29°	2968.3	2872.2	2766.9	2623.1	2553.7	2476.0	2204.3	1049.1	31.8	25.9	3.3
25.5°	2808.6	2722.5	2626.4	2529.5	2477.6	2399.1	2177.5	1171.9	38.5	30.9	4.2
22.5°	2653.2	2563.7	2479.3	2414.1	2379.0	2347.2	2120.7	1260.5	46.0	34.3	4.2
19.5°	2521.9	2442.5	2369.0	2314.6	2307.1	2285.4	2001.2	1330.8	54.3	37.6	4.2
17°	2404.1	2343.9	2292.1	2256.9	2262.0	2187.6	1914.2	1389.3	61.9	40.1	4.2
15°	2336.4	2289.5	2254.4	2245.2	2232.7	2113.2	1862.4	1433.6	66.9	42.6	4.2
13°	2299.6	2254.4	2234.4	2244.4	2192.6	2047.1	1824.8	1477.0	71.9	44.3	4.2
11°	2292.1	2242.7	2229.4	2221.8	2147.4	2017.0	1799.7	1517.2	76.9	45.1	4.2
9°	2302.1	2254.4	2221.0	2174.2	2106.5	2004.5	1791.3	1551.4	78.6	46.0	4.2
7°	2309.6	2266.1	2211.8	2128.2	2056.3	1992.0	1783.0	1575.7	76.9	46.8	5.0
5°	2323.0	2273.7	2206.0	2085.6	2014.5	1969.4	1774.6	1591.6	73.6	46.8	5.0
3°	2327.2	2262.0	2189.2	2048.8	1981.1	1956.9	1774.6	1605.8	71.9	46.0	5.0
1°	2308.8	2232.7	2149.1	2018.7	1951.0	1937.6	1772.1	1613.3	70.2	45.1	5.0
0°	2294.6	2211.8	2129.9	2002.0	1937.6	1924.3	1770.5	1615.0	69.4	46.0	5.0
-1°	2276.2	2190.9	2111.5	1991.1	1922.6	1912.6	1769.6	1618.3	69.4	44.3	5.0
-3°	2226.9	2144.1	2082.2	1965.2	1895.8	1890.0	1766.3	1612.5	69.4	42.6	5.0
-5°	2187.6	2123.2	2063.0	1946.0	1874.1	1865.7	1761.3	1601.6	69.4	41.8	5.0
-7°	2165.8	2108.2	2039.6	1919.2	1849.9	1836.5	1753.7	1581.5	69.4	40.1	5.0
-9°	2136.6	2075.6	2003.7	1882.5	1813.9	1798.0	1743.7	1559.0	69.4	39.3	5.0
-11°	2087.3	2021.2	1944.3	1839.0	1778.8	1749.6	1718.6	1529.7	69.4	38.5	5.0
-13°	2011.2	1948.5	1884.1	1793.9	1740.4	1709.4	1690.2	1491.3	67.7	38.5	5.0
-15°	1942.6	1878.3	1820.6	1756.2	1710.3	1676.8	1667.6	1447.0	66.9	38.5	5.0
-17°	1865.7	1805.6	1761.3	1717.0	1683.5	1650.1	1643.4	1395.1	66.0	39.3	5.0
-19.5°	1774.6	1724.5	1700.2	1674.3	1643.4	1616.6	1615.8	1324.1	65.2	39.3	5.0
-22.5°	1742.0	1692.7	1668.5	1645.9	1611.6	1587.4	1588.2	1225.4	62.7	39.3	5.0
-25.5°	1696.1	1646.7	1621.7	1603.3	1585.7	1562.3	1567.3	1113.4	60.2	38.5	5.0
-29°	1604.1	1564.0	1548.1	1528.9	1521.4	1530.5	1547.3	969.7	59.3	36.8	5.0
-33°	1508.8	1478.7	1452.8	1416.0	1399.3	1441.1	1506.3	789.1	60.2	34.3	5.0
-37.5°	1451.1	1424.4	1384.3	1325.7	1276.4	1302.3	1380.9	594.3	60.2	29.3	5.0
-42.5°	1419.4	1404.3	1355.8	1307.4	1227.1	1106.7	1053.2	378.7	61.0	21.7	5.0
-47.5°	1024.8	993.9	973.0	937.1	876.0	736.4	578.4	125.4	58.5	12.5	5.0
-55°	210.6	209.8	227.4	209.0	163.0	117.0	121.2	41.0	47.6	8.4	5.0
-65°	172.2	186.4	137.1	86.1	50.2	35.9	48.5	35.1	20.1	5.9	4.2
-75°	18.4	17.6	13.4	15.0	16.7	15.0	14.2	9.2	6.7	5.0	3.3
-85°	9.2	9.2	9.2	8.4	7.5	6.7	5.9	5.0	4.2	4.2	3.3
-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):

	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)