

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: P507863

Luminaire Tested: **UFLD-S-CA1-50-730-U-66**

Issue Date: 3/30/2021

Test Information

Test Method: LM-79-08
Report Number: P507863
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-CA1-50-730-U-66
Description: UTILITY FLOOD SMALL, 6x6 OPTIC
Light Source: (1) 3000K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

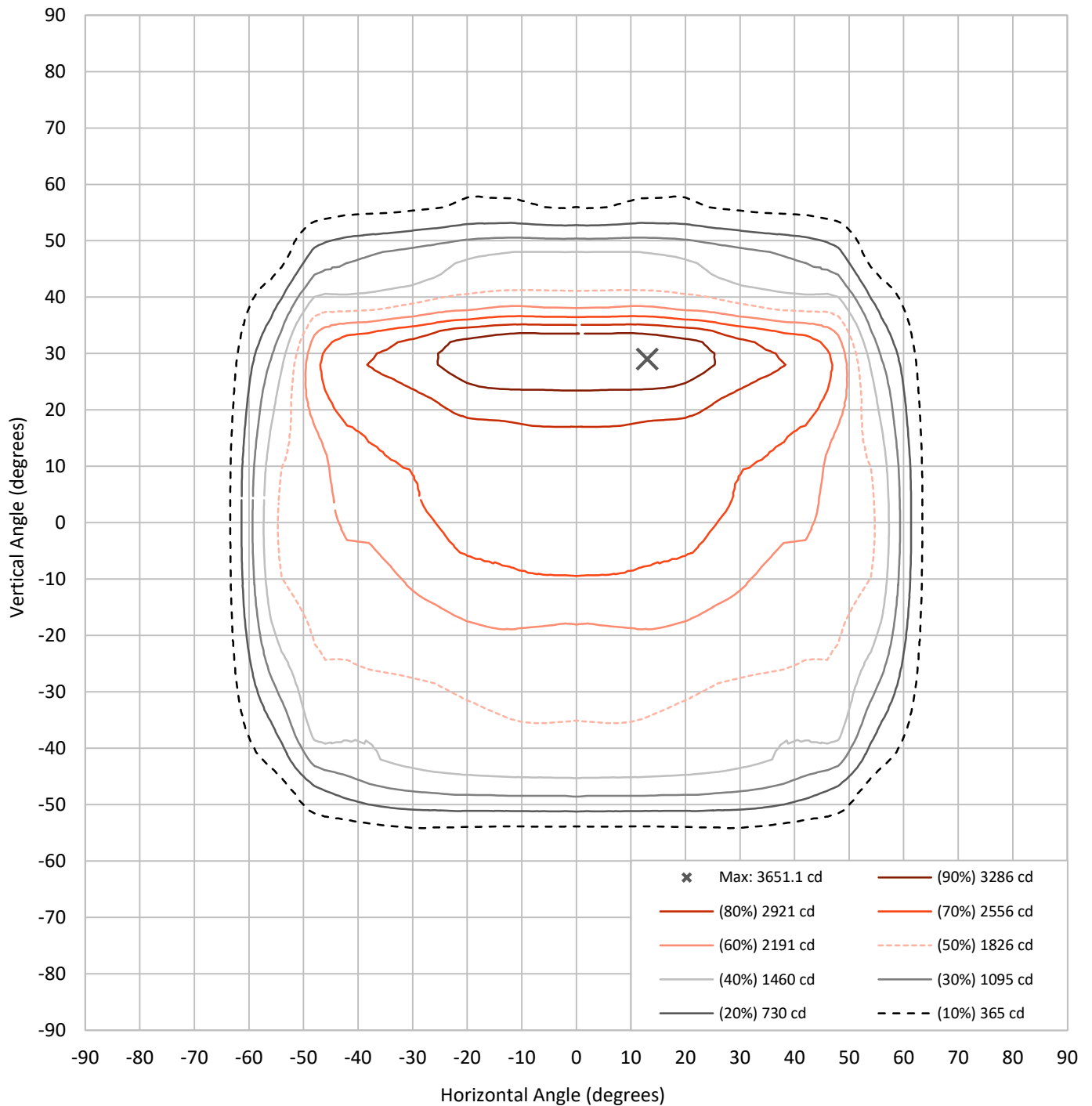
Lumens per Lamp:	N/A	NEMA Type:	6H x 6V
Luminaire Lumens:	6644 lumens	Max Intensity:	3651.1 candela
Efficiency:	N/A	Max Intensity Angle:	13°H x 29°V
Efficacy:	134.0 lumens/watt		
Luminous Opening:	Rectangular (W 0.67' x L: 0.5' x H: 0')		
Beam Angle (50%):	103.2°H x 75.8°V	Field Angle (10%):	124.4°H x 111.6°V
Beam Lumens:	4854.2 lumens	Field Lumens:	6451.7 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

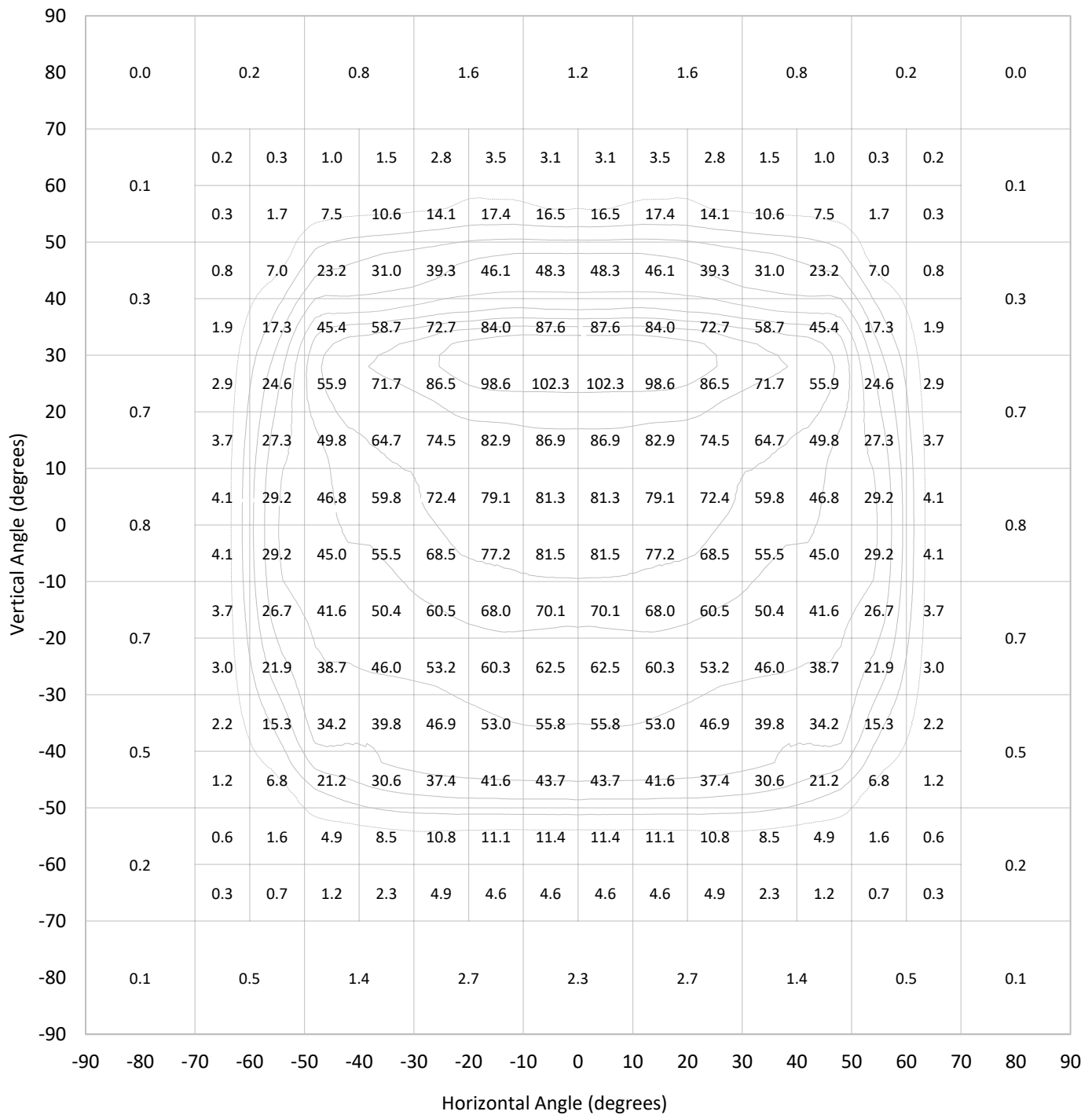




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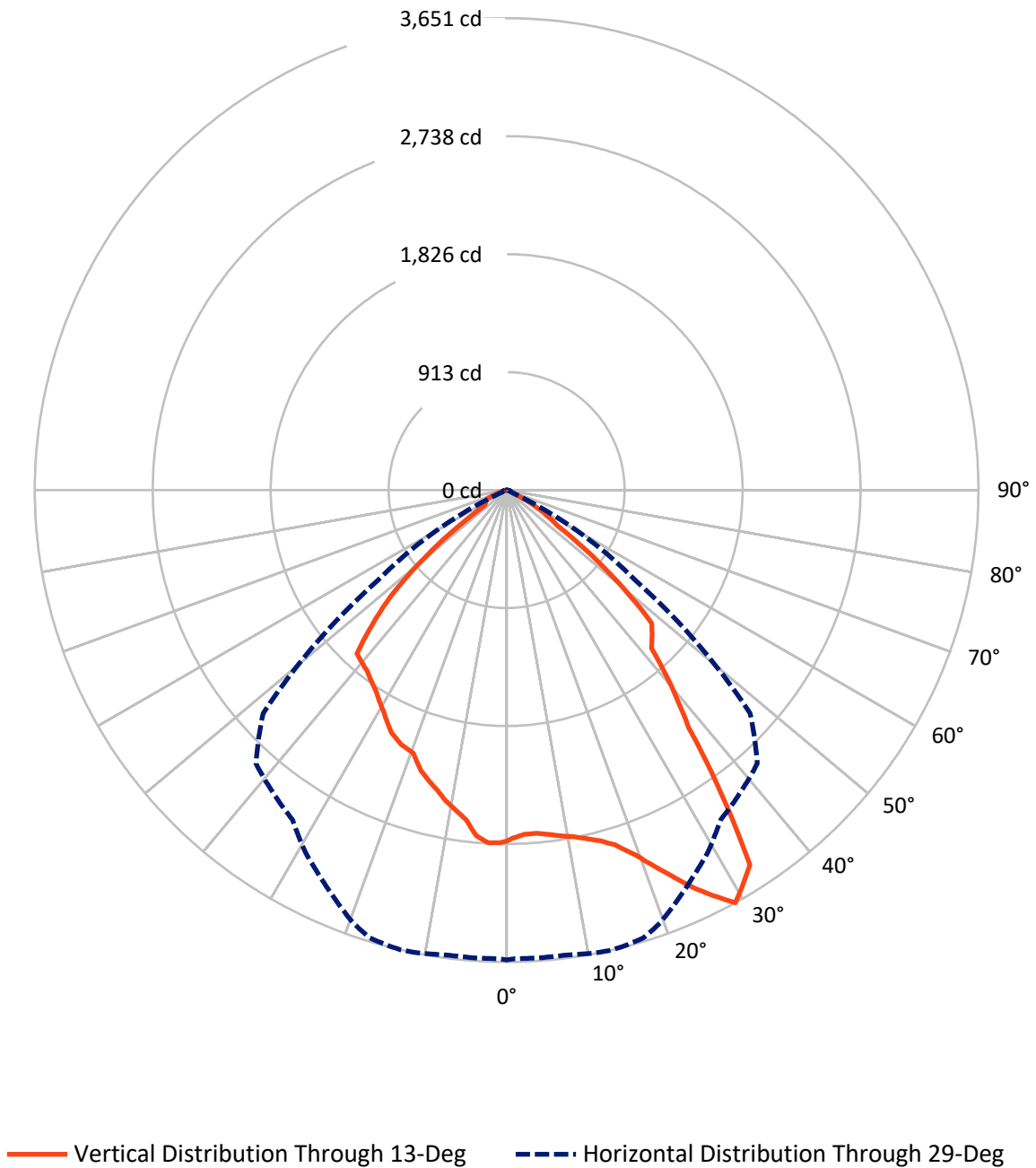
Lumen Table



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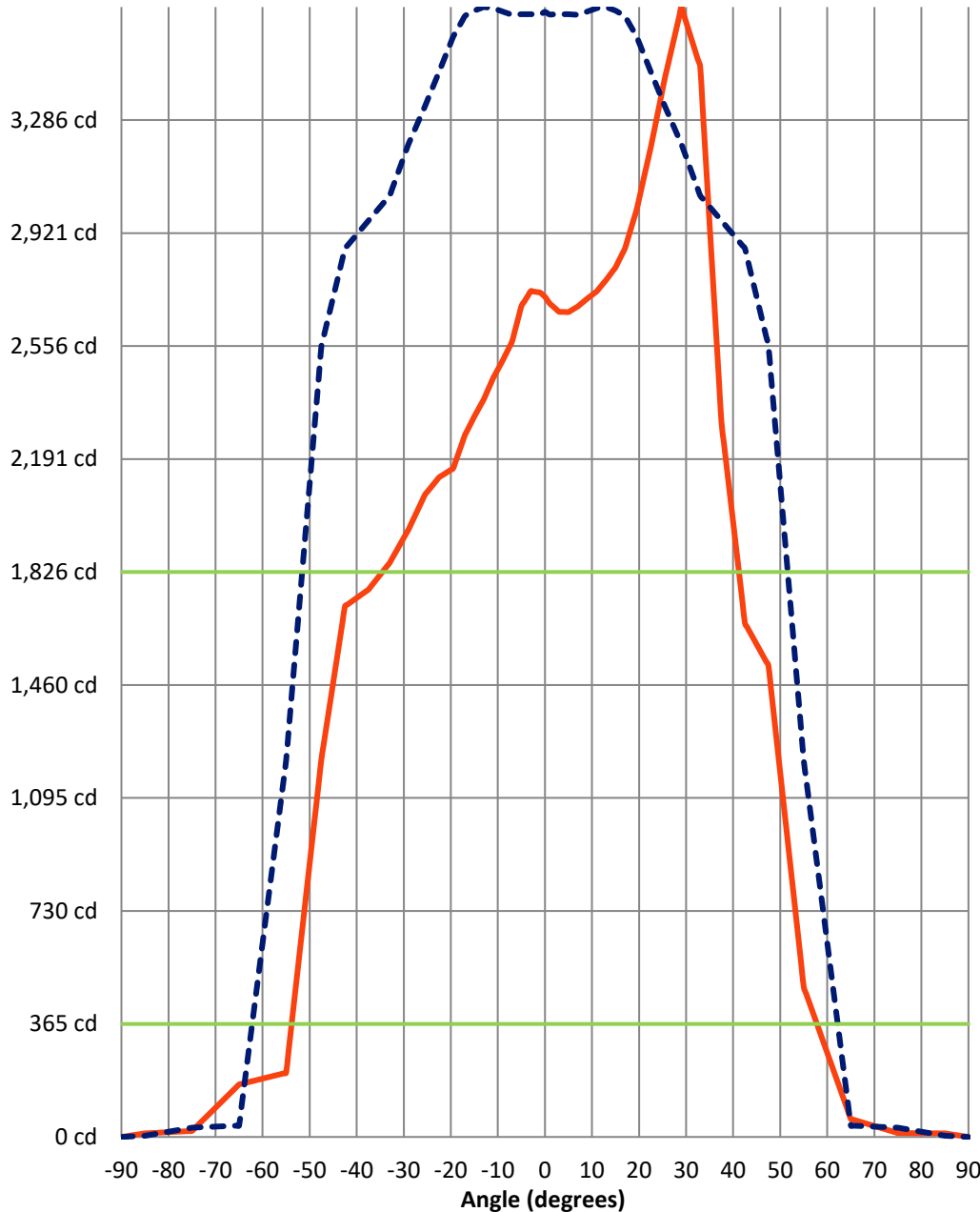
Luminous Intensity Polar Plot



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Luminous Intensity Plot



Beam:
 H Angle: 103.2°
 V Angle: 75.8°
 Lumens: 4854.2
 Efficiency: 73.1%

Field:
 H Angle: 124.4°
 V Angle: 111.6°
 Lumens: 6451.7
 Efficiency: 97.1%

Spill:
 Lumens: 192.3
 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	1.0	2.9	5.8	7.8	9.7	10.7	11.6	11.6	10.7	10.7
75°	8.7	8.7	9.7	8.7	7.8	9.7	13.6	12.6	13.6	15.5	12.6
65°	73.7	74.6	73.7	68.8	62.0	57.2	54.3	58.2	71.7	96.0	114.4
55°	394.5	374.1	374.1	384.8	406.1	438.1	457.5	484.6	454.6	473.0	466.2
47.5°	1537.2	1535.3	1539.2	1537.2	1538.2	1539.2	1534.3	1522.7	1506.2	1494.6	1464.5
42.5°	1657.4	1660.3	1664.2	1668.1	1671.0	1669.0	1665.2	1660.3	1643.8	1628.3	1609.9
37.5°	2256.4	2251.6	2273.8	2270.0	2272.9	2309.7	2302.9	2311.6	2284.5	2253.5	2179.8
33°	3482.5	3481.5	3494.1	3476.7	3492.2	3498.0	3490.2	3457.3	3430.2	3378.8	3337.1
29°	3635.6	3626.9	3627.9	3627.9	3625.9	3636.6	3647.3	3651.1	3639.5	3622.1	3555.2
25.5°	3430.2	3438.9	3425.3	3424.3	3420.5	3421.4	3422.4	3422.4	3406.9	3387.5	3343.9
22.5°	3219.8	3218.9	3217.9	3211.1	3209.2	3208.2	3207.2	3198.5	3193.7	3190.8	3160.7
19.5°	3021.1	3030.8	3029.9	3028.9	3027.9	3022.1	3010.5	2996.9	2990.1	2991.1	2983.3
17°	2916.5	2911.6	2913.5	2912.6	2912.6	2900.9	2883.5	2870.9	2857.3	2849.6	2837.0
15°	2847.6	2848.6	2850.5	2846.7	2840.9	2835.0	2825.3	2809.8	2795.3	2780.8	2758.5
13°	2807.9	2806.9	2806.0	2799.2	2796.3	2788.5	2777.9	2769.1	2755.6	2741.0	2715.8
11°	2780.8	2778.8	2776.9	2771.1	2766.2	2756.5	2744.9	2732.3	2723.6	2716.8	2703.2
9°	2737.1	2736.2	2738.1	2733.3	2732.3	2727.5	2716.8	2709.0	2702.3	2704.2	2701.3
7°	2702.3	2703.2	2704.2	2701.3	2701.3	2697.4	2690.6	2683.8	2683.8	2692.6	2699.3
5°	2675.1	2672.2	2672.2	2672.2	2673.2	2671.2	2669.3	2665.4	2669.3	2682.9	2702.3
3°	2646.0	2645.1	2650.9	2653.8	2655.7	2660.6	2665.4	2666.4	2673.2	2695.5	2721.6
1°	2632.5	2634.4	2637.3	2645.1	2652.8	2665.4	2680.9	2693.5	2699.3	2713.9	2719.7
0°	2627.6	2629.6	2636.3	2649.9	2664.5	2684.8	2698.4	2714.9	2711.0	2713.9	2711.9
-1°	2650.9	2655.7	2658.6	2681.9	2700.3	2714.9	2727.5	2728.4	2717.8	2711.9	2702.3
-3°	2746.8	2744.9	2751.7	2754.6	2766.2	2764.3	2751.7	2733.3	2704.2	2682.9	2653.8
-5°	2785.6	2781.7	2777.9	2781.7	2776.9	2753.6	2727.5	2684.8	2641.2	2607.3	2578.2
-7°	2719.7	2722.6	2710.0	2710.0	2680.9	2654.8	2604.4	2569.5	2544.3	2533.6	2537.5
-9°	2585.0	2568.5	2569.5	2567.5	2561.7	2534.6	2519.1	2508.4	2502.6	2503.6	2508.4
-11°	2455.1	2454.1	2456.1	2449.3	2450.2	2451.2	2451.2	2452.2	2454.1	2456.1	2456.1
-13°	2380.5	2375.6	2378.5	2377.6	2380.5	2380.5	2383.4	2383.4	2386.3	2387.2	2380.5
-15°	2328.1	2326.2	2326.2	2328.1	2327.2	2324.2	2326.2	2328.1	2324.2	2318.4	2302.0
-17°	2227.3	2205.0	2225.4	2235.1	2241.9	2245.7	2250.6	2268.0	2263.2	2243.8	2223.4
-19.5°	2140.1	2138.2	2140.1	2142.0	2146.9	2153.7	2159.5	2160.4	2150.8	2135.2	2111.0
-22.5°	2105.2	2104.2	2107.1	2111.0	2115.9	2122.6	2128.5	2131.4	2124.6	2108.1	2081.0
-25.5°	2050.9	2051.9	2054.8	2057.7	2061.6	2065.5	2070.3	2075.2	2073.2	2057.7	2032.5
-29°	1979.2	1978.2	1980.2	1983.1	1986.9	1979.2	1971.4	1962.7	1953.0	1938.5	1910.4
-33°	1873.5	1873.5	1875.5	1879.4	1880.3	1875.5	1865.8	1855.1	1836.7	1814.4	1785.3
-37.5°	1770.8	1773.7	1779.5	1782.4	1785.3	1784.4	1780.5	1768.9	1749.5	1731.1	1708.8
-42.5°	1739.8	1740.8	1741.7	1741.7	1735.9	1730.1	1723.3	1714.6	1702.0	1696.2	1680.7
-47.5°	1241.6	1213.5	1231.9	1213.5	1220.3	1223.2	1219.3	1221.2	1199.9	1202.8	1191.2
-55°	210.3	212.3	214.2	219.0	218.1	212.3	206.4	207.4	217.1	226.8	223.9
-65°	167.7	167.7	166.7	165.7	164.8	165.7	166.7	169.6	170.6	173.5	177.4
-75°	16.5	16.5	15.5	13.6	11.6	17.4	19.4	19.4	19.4	20.4	21.3
-85°	1.0	1.9	3.9	6.8	8.7	10.7	11.6	11.6	11.6	11.6	11.6
-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):

	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°	9.7	9.7	8.7	7.8	5.8	3.9	2.9	1.9	1.0	1.0	1.9
75°	11.6	11.6	13.6	18.4	18.4	10.7	6.8	3.9	3.9	1.9	2.9
65°	96.0	55.2	33.9	25.2	18.4	16.5	12.6	10.7	12.6	3.9	2.9
55°	417.7	375.1	356.7	321.8	313.1	300.5	253.0	39.7	24.2	6.8	2.9
47.5°	1408.3	1339.5	1262.0	1188.3	1119.5	1032.2	880.1	119.2	31.0	8.7	3.9
42.5°	1566.3	1487.8	1428.7	1362.8	1279.4	1225.1	1260.0	442.9	30.0	12.6	3.9
37.5°	2161.4	2104.2	1994.7	1925.9	1826.1	1795.0	1799.9	737.6	26.2	18.4	3.9
33°	3282.8	3121.0	2965.9	2869.0	2711.9	2638.3	2330.1	988.6	30.0	24.2	3.9
29°	3441.8	3330.3	3208.2	3041.5	2961.0	2870.9	2555.9	1216.4	36.8	30.0	3.9
25.5°	3256.7	3156.8	3045.4	2932.9	2872.8	2781.7	2524.9	1358.9	44.6	35.9	4.8
22.5°	3076.4	2972.7	2874.8	2799.2	2758.5	2721.6	2459.0	1461.6	53.3	39.7	4.8
19.5°	2924.2	2832.1	2746.8	2683.8	2675.1	2649.9	2320.4	1543.0	63.0	43.6	4.8
17°	2787.5	2717.8	2657.7	2617.0	2622.8	2536.5	2219.6	1610.9	71.7	46.5	4.8
15°	2709.0	2654.8	2614.1	2603.4	2588.9	2450.2	2159.5	1662.3	77.5	49.4	4.8
13°	2666.4	2614.1	2590.8	2602.4	2542.3	2373.7	2115.9	1712.7	83.4	51.4	4.8
11°	2657.7	2600.5	2585.0	2576.2	2490.0	2338.8	2086.8	1759.2	89.2	52.3	4.8
9°	2669.3	2614.1	2575.3	2521.0	2442.5	2324.2	2077.1	1798.9	91.1	53.3	4.8
7°	2678.0	2627.6	2564.6	2467.7	2384.3	2309.7	2067.4	1827.0	89.2	54.3	5.8
5°	2693.5	2636.3	2557.8	2418.3	2335.9	2283.5	2057.7	1845.4	85.3	54.3	5.8
3°	2698.4	2622.8	2538.4	2375.6	2297.1	2269.0	2057.7	1861.9	83.4	53.3	5.8
1°	2677.1	2588.9	2491.9	2340.7	2262.2	2246.7	2054.8	1870.6	81.4	52.3	5.8
0°	2660.6	2564.6	2469.6	2321.3	2246.7	2231.2	2052.9	1872.6	80.4	53.3	5.8
-1°	2639.3	2540.4	2448.3	2308.7	2229.3	2217.6	2051.9	1876.5	80.4	51.4	5.8
-3°	2582.1	2486.1	2414.4	2278.7	2198.2	2191.5	2048.0	1869.7	80.4	49.4	5.8
-5°	2536.5	2461.9	2392.1	2256.4	2173.0	2163.4	2042.2	1857.1	80.4	48.5	5.8
-7°	2511.3	2444.4	2365.0	2225.4	2144.9	2129.4	2033.5	1833.8	80.4	46.5	5.8
-9°	2477.4	2406.6	2323.3	2182.7	2103.3	2084.8	2021.8	1807.6	80.4	45.6	5.8
-11°	2420.2	2343.6	2254.5	2132.3	2062.6	2028.6	1992.8	1773.7	80.4	44.6	5.8
-13°	2332.0	2259.3	2184.7	2080.0	2018.0	1982.1	1959.8	1729.1	78.5	44.6	5.8
-15°	2252.5	2177.9	2111.0	2036.4	1983.1	1944.3	1933.6	1677.8	77.5	44.6	5.8
-17°	2163.4	2093.6	2042.2	1990.8	1952.1	1913.3	1905.5	1617.7	76.6	45.6	5.8
-19.5°	2057.7	1999.5	1971.4	1941.4	1905.5	1874.5	1873.5	1535.3	75.6	45.6	5.8
-22.5°	2019.9	1962.7	1934.6	1908.4	1868.7	1840.6	1841.6	1420.9	72.7	45.6	5.8
-25.5°	1966.6	1909.4	1880.3	1859.0	1838.7	1811.5	1817.3	1291.0	69.8	44.6	5.8
-29°	1860.0	1813.5	1795.0	1772.7	1764.0	1774.7	1794.1	1124.3	68.8	42.6	5.8
-33°	1749.5	1714.6	1684.5	1641.9	1622.5	1671.0	1746.6	915.0	69.8	39.7	5.8
-37.5°	1682.6	1651.6	1605.1	1537.2	1480.0	1510.1	1601.2	689.1	69.8	33.9	5.8
-42.5°	1645.8	1628.3	1572.1	1515.9	1422.8	1283.3	1221.2	439.1	70.8	25.2	5.8
-47.5°	1188.3	1152.4	1128.2	1086.5	1015.8	853.9	670.7	145.4	67.8	14.5	5.8
-55°	244.2	243.3	263.6	242.3	189.0	135.7	140.5	47.5	55.2	9.7	5.8
-65°	199.7	216.1	159.0	99.8	58.2	41.7	56.2	40.7	23.3	6.8	4.8
-75°	21.3	20.4	15.5	17.4	19.4	17.4	16.5	10.7	7.8	5.8	3.9
-85°	10.7	10.7	10.7	9.7	8.7	7.8	6.8	5.8	4.8	4.8	3.9
-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):

	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)