

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: P507864

Luminaire Tested: **UFLD-S-CA1-50-740-U-66**

Issue Date: 3/30/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P507864  
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-CA1-50-740-U-66  
Description: UTILITY FLOOD SMALL, 6x6 OPTIC  
Light Source: (1) 4000K CCT, 70 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

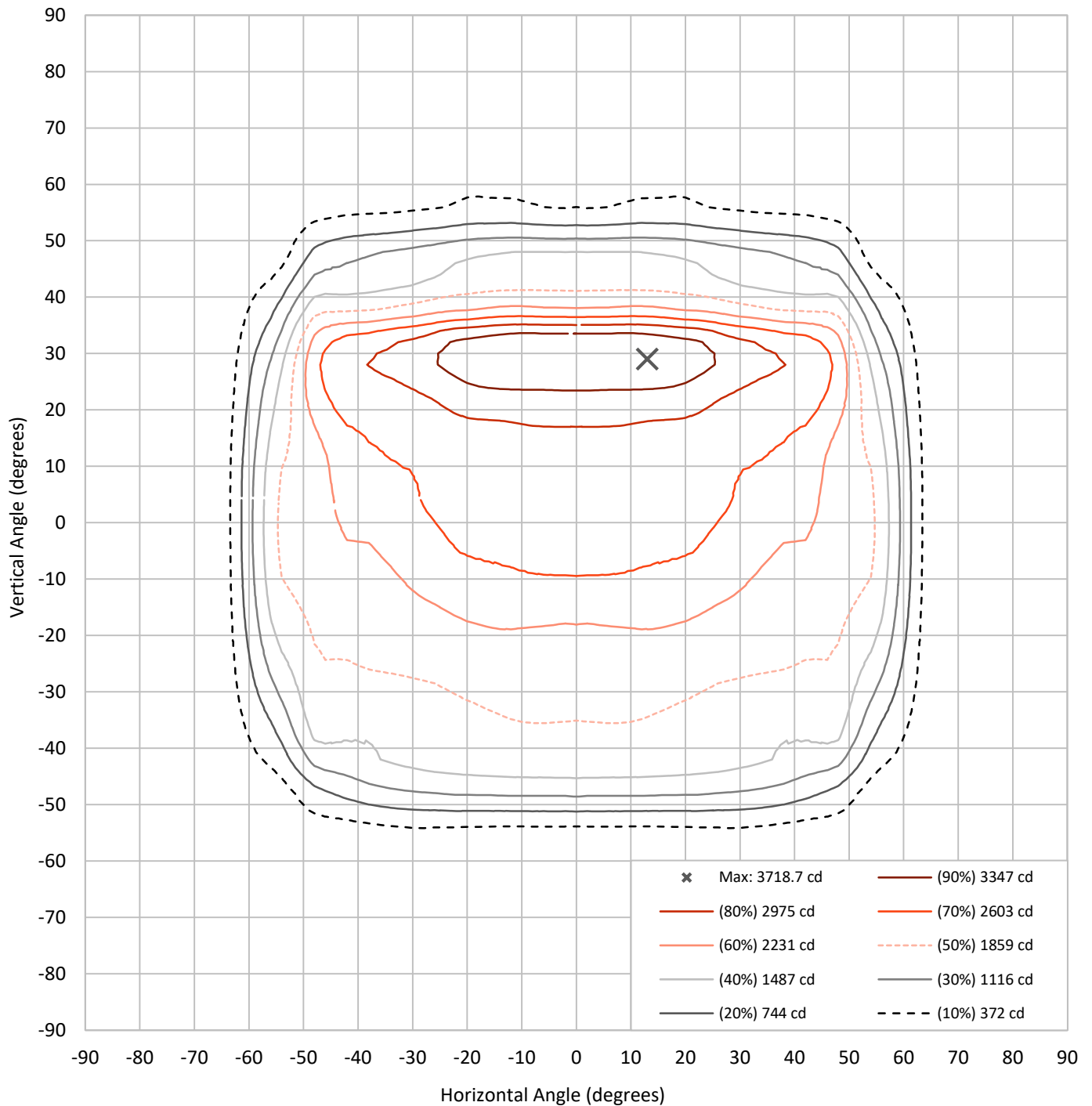
Lumens per Lamp:	N/A	NEMA Type:	6H x 6V
Luminaire Lumens:	6767 lumens	Max Intensity:	3718.7 candela
Efficiency:	N/A	Max Intensity Angle:	13°H x 29°V
Efficacy:	136.4 lumens/watt		
Luminous Opening:	Rectangular (W 0.67' x L: 0.5' x H: 0')		
Beam Angle (50%):	103.2°H x 75.8°V	Field Angle (10%):	124.4°H x 111.6°V
Beam Lumens:	4944.1 lumens	Field Lumens:	6571.1 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

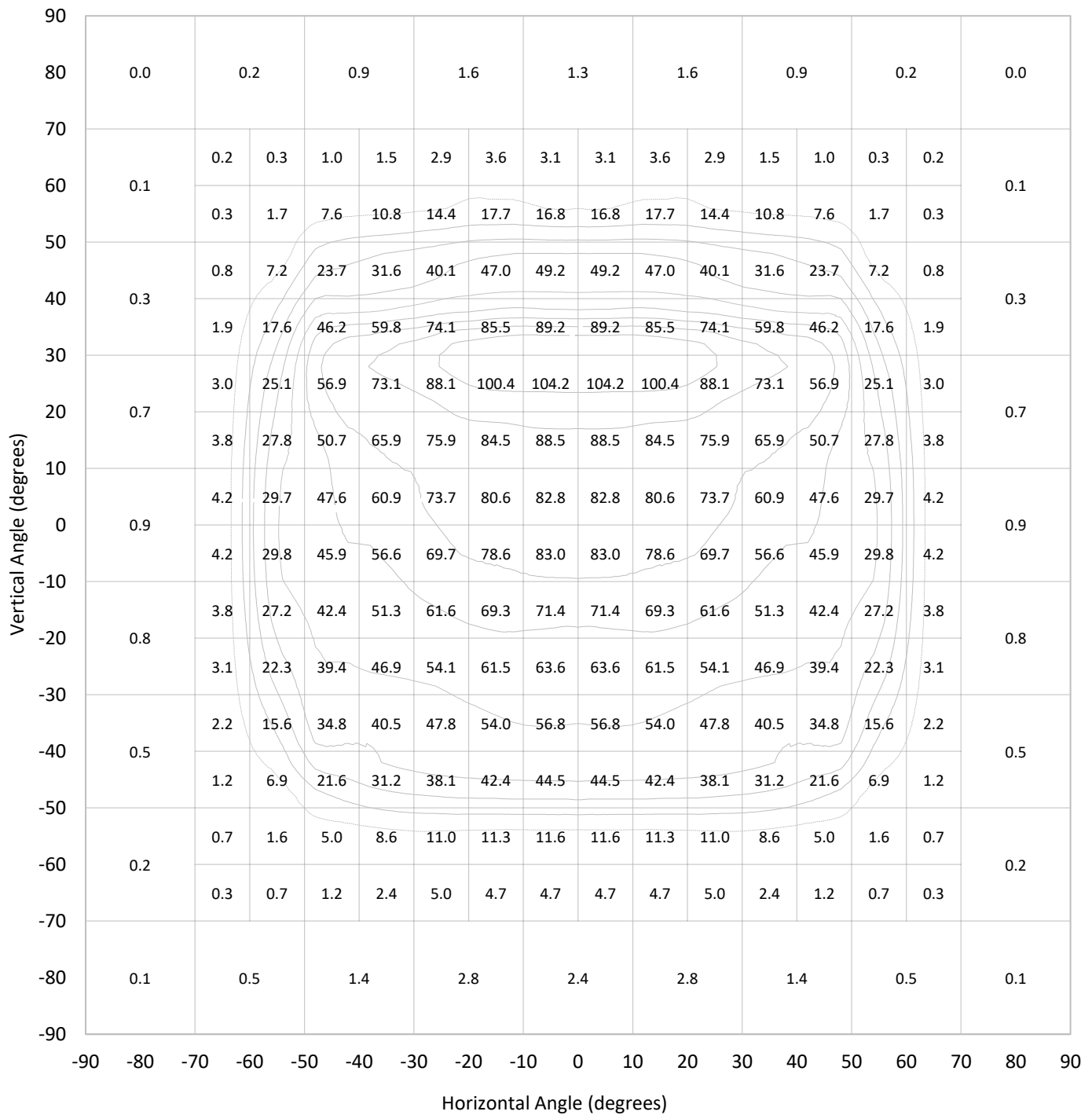




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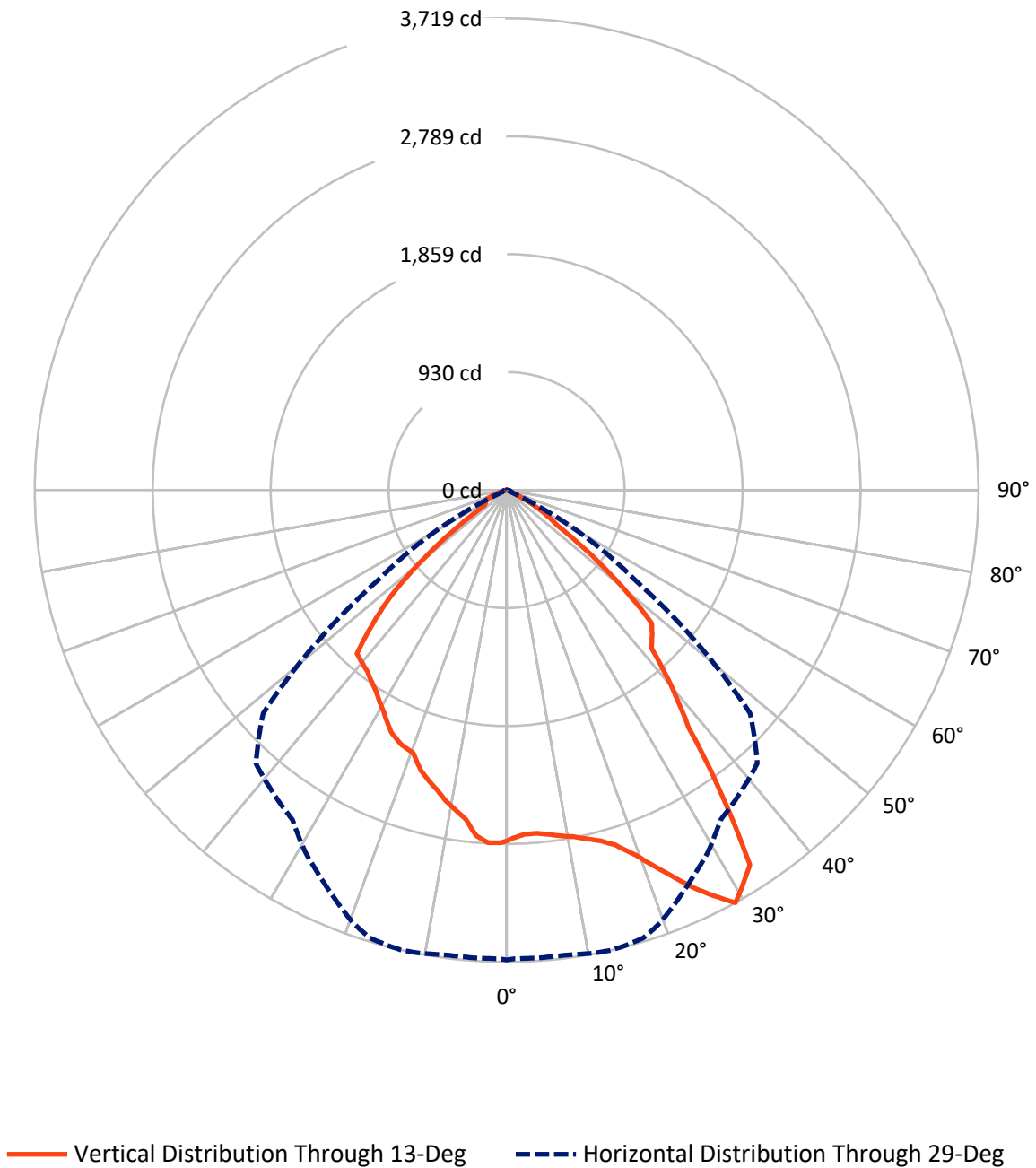
### Lumen Table



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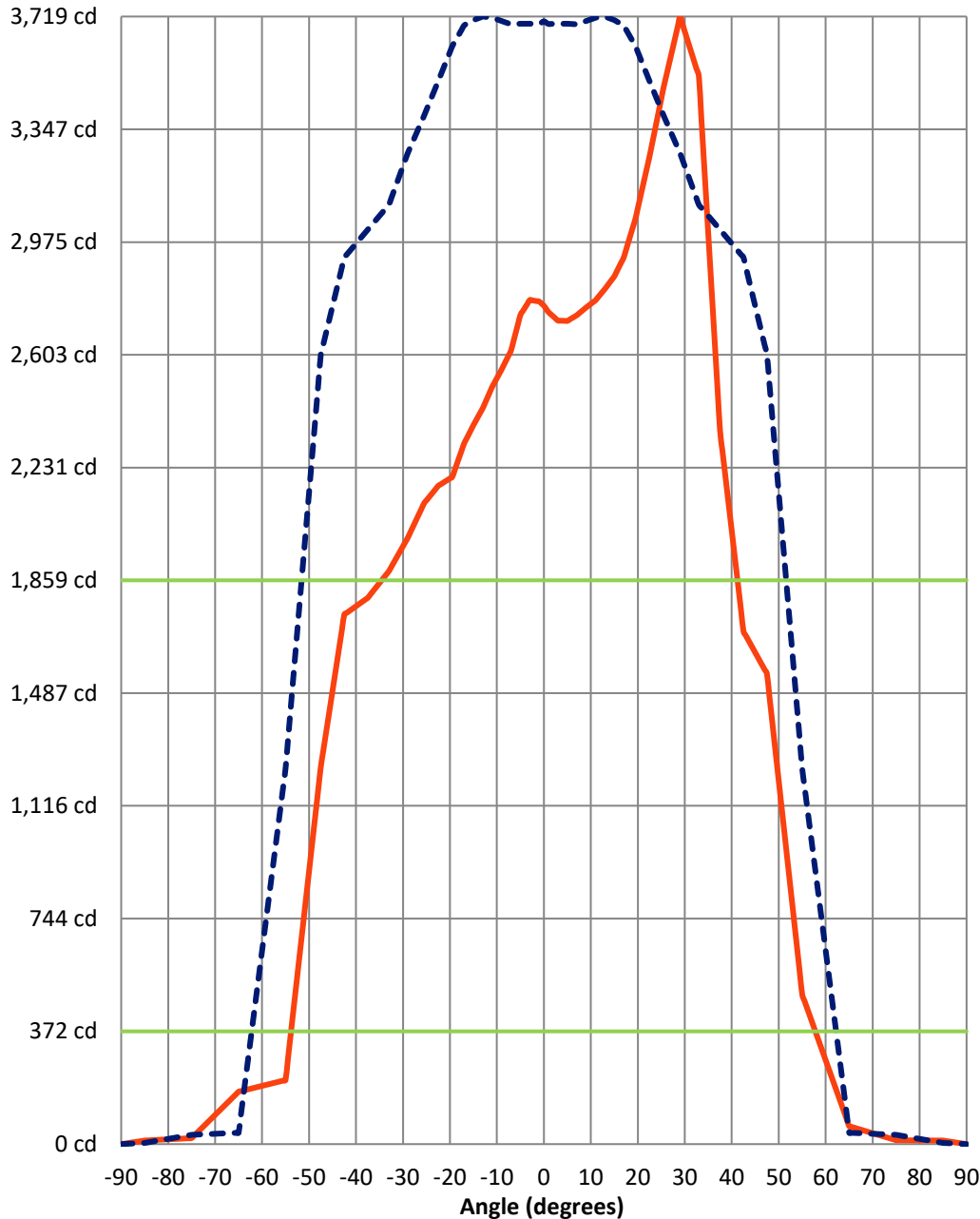
### Luminous Intensity Polar Plot



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### Luminous Intensity Plot



**Beam:**  
 H Angle: 103.2°  
 V Angle: 75.8°  
 Lumens: 4944.1  
 Efficiency: 73.1%

**Field:**  
 H Angle: 124.4°  
 V Angle: 111.6°  
 Lumens: 6571.1  
 Efficiency: 97.1%

**Spill:**  
 Lumens: 195.9  
 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	3.0	5.9	7.9	9.9	10.9	11.8	11.8	10.9	10.9
75°	8.9	8.9	9.9	8.9	7.9	9.9	13.8	12.8	13.8	15.8	12.8
65°	75.0	76.0	75.0	70.1	63.2	58.2	55.3	59.2	73.1	97.7	116.5
55°	401.8	381.1	381.1	391.9	413.6	446.2	466.0	493.6	463.0	481.7	474.8
47.5°	1565.7	1563.7	1567.7	1565.7	1566.7	1567.7	1562.7	1550.9	1534.1	1522.2	1491.6
42.5°	1688.1	1691.1	1695.0	1698.9	1701.9	1699.9	1696.0	1691.1	1674.3	1658.5	1639.7
37.5°	2298.2	2293.2	2315.9	2312.0	2315.0	2352.5	2345.6	2354.4	2326.8	2295.2	2220.2
33°	3547.0	3546.0	3558.8	3541.0	3556.8	3562.8	3554.9	3521.3	3493.7	3441.3	3398.9
29°	3702.9	3694.1	3695.0	3695.0	3693.1	3703.9	3714.8	3718.7	3706.9	3689.1	3621.0
25.5°	3493.7	3502.5	3488.7	3487.7	3483.8	3484.8	3485.8	3485.8	3470.0	3450.2	3405.8
22.5°	3279.4	3278.4	3277.5	3270.6	3268.6	3267.6	3266.6	3257.7	3252.8	3249.8	3219.2
19.5°	3077.1	3086.9	3085.9	3085.0	3084.0	3078.1	3066.2	3052.4	3045.5	3046.5	3038.6
17°	2970.4	2965.5	2967.5	2966.5	2966.5	2954.7	2936.9	2924.0	2910.2	2902.3	2889.5
15°	2900.4	2901.3	2903.3	2899.4	2893.4	2887.5	2877.7	2861.9	2847.0	2832.2	2809.5
13°	2859.9	2858.9	2857.9	2851.0	2848.0	2840.1	2829.3	2820.4	2806.6	2791.8	2766.1
11°	2832.2	2830.3	2828.3	2822.4	2817.4	2807.6	2795.7	2782.9	2774.0	2767.1	2753.3
9°	2787.8	2786.8	2788.8	2783.9	2782.9	2777.9	2767.1	2759.2	2752.3	2754.3	2751.3
7°	2752.3	2753.3	2754.3	2751.3	2751.3	2747.3	2740.4	2733.5	2733.5	2742.4	2749.3
5°	2724.6	2721.7	2721.7	2721.7	2722.7	2720.7	2718.7	2714.8	2718.7	2732.5	2752.3
3°	2695.0	2694.0	2700.0	2702.9	2704.9	2709.8	2714.8	2715.8	2722.7	2745.4	2772.0
1°	2681.2	2683.2	2686.1	2694.0	2701.9	2714.8	2730.6	2743.4	2749.3	2764.1	2770.0
0°	2676.3	2678.2	2685.1	2699.0	2713.8	2734.5	2748.3	2765.1	2761.2	2764.1	2762.2
-1°	2700.0	2704.9	2707.9	2731.5	2750.3	2765.1	2777.9	2778.9	2768.1	2762.2	2752.3
-3°	2797.7	2795.7	2802.6	2805.6	2817.4	2815.5	2802.6	2783.9	2754.3	2732.5	2702.9
-5°	2837.2	2833.2	2829.3	2833.2	2828.3	2804.6	2777.9	2734.5	2690.1	2655.5	2625.9
-7°	2770.0	2773.0	2760.2	2760.2	2730.6	2703.9	2652.6	2617.0	2591.4	2580.5	2584.5
-9°	2632.8	2616.0	2617.0	2615.1	2609.1	2581.5	2565.7	2554.8	2548.9	2549.9	2554.8
-11°	2500.5	2499.6	2501.5	2494.6	2495.6	2496.6	2496.6	2497.6	2499.6	2501.5	2501.5
-13°	2424.5	2419.6	2422.6	2421.6	2424.5	2424.5	2427.5	2427.5	2430.5	2431.4	2424.5
-15°	2371.2	2369.2	2369.2	2371.2	2370.2	2367.3	2369.2	2371.2	2367.3	2361.4	2344.6
-17°	2268.6	2245.9	2266.6	2276.5	2283.4	2287.3	2292.2	2310.0	2305.1	2285.3	2264.6
-19.5°	2179.7	2177.7	2179.7	2181.7	2186.6	2193.5	2199.5	2200.4	2190.6	2174.8	2150.1
-22.5°	2144.2	2143.2	2146.1	2150.1	2155.0	2161.9	2167.9	2170.8	2163.9	2147.1	2119.5
-25.5°	2088.9	2089.9	2092.8	2095.8	2099.7	2103.7	2108.6	2113.6	2111.6	2095.8	2070.1
-29°	2015.8	2014.8	2016.8	2019.8	2023.7	2015.8	2007.9	1999.1	1989.2	1974.4	1945.7
-33°	1908.2	1908.2	1910.2	1914.2	1915.1	1910.2	1900.3	1889.5	1870.7	1848.0	1818.4
-37.5°	1803.6	1806.6	1812.5	1815.4	1818.4	1817.4	1813.5	1801.6	1781.9	1763.1	1740.4
-42.5°	1772.0	1773.0	1774.0	1774.0	1768.1	1762.1	1755.2	1746.3	1733.5	1727.6	1711.8
-47.5°	1264.6	1236.0	1254.7	1236.0	1242.9	1245.8	1241.9	1243.9	1222.1	1225.1	1213.3
-55°	214.2	216.2	218.2	223.1	222.1	216.2	210.3	211.3	221.1	231.0	228.0
-65°	170.8	170.8	169.8	168.8	167.8	168.8	169.8	172.8	173.7	176.7	180.7
-75°	16.8	16.8	15.8	13.8	11.8	17.8	19.7	19.7	19.7	20.7	21.7
-85°	1.0	2.0	3.9	6.9	8.9	10.9	11.8	11.8	11.8	11.8	11.8
-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°	9.9	9.9	8.9	7.9	5.9	3.9	3.0	2.0	1.0	1.0	2.0
75°	11.8	11.8	13.8	18.8	18.8	10.9	6.9	3.9	3.9	2.0	3.0
65°	97.7	56.3	34.6	25.7	18.8	16.8	12.8	10.9	12.8	3.9	3.0
55°	425.5	382.0	363.3	327.7	318.9	306.0	257.7	40.5	24.7	6.9	3.0
47.5°	1434.4	1364.3	1285.3	1210.3	1140.2	1051.4	896.4	121.4	31.6	8.9	3.9
42.5°	1595.3	1515.3	1455.1	1388.0	1303.1	1247.8	1283.3	451.1	30.6	12.8	3.9
37.5°	2201.4	2143.2	2031.6	1961.5	1859.9	1828.3	1833.2	751.2	26.7	18.8	3.9
33°	3343.6	3178.7	3020.8	2922.1	2762.2	2687.1	2373.2	1006.9	30.6	24.7	3.9
29°	3505.5	3392.0	3267.6	3097.8	3015.9	2924.0	2603.2	1238.9	37.5	30.6	3.9
25.5°	3316.9	3215.3	3101.7	2987.2	2926.0	2833.2	2571.6	1384.0	45.4	36.5	4.9
22.5°	3133.3	3027.7	2928.0	2851.0	2809.5	2772.0	2504.5	1488.7	54.3	40.5	4.9
19.5°	2978.3	2884.6	2797.7	2733.5	2724.6	2699.0	2363.3	1571.6	64.2	44.4	4.9
17°	2839.2	2768.1	2706.9	2665.4	2671.3	2583.5	2260.7	1640.7	73.1	47.4	4.9
15°	2759.2	2703.9	2662.4	2651.6	2636.8	2495.6	2199.5	1693.0	79.0	50.3	4.9
13°	2715.8	2662.4	2638.8	2650.6	2589.4	2417.6	2155.0	1744.4	84.9	52.3	4.9
11°	2706.9	2648.6	2632.8	2623.9	2536.1	2382.1	2125.4	1791.7	90.8	53.3	4.9
9°	2718.7	2662.4	2623.0	2567.7	2487.7	2367.3	2115.5	1832.2	92.8	54.3	4.9
7°	2727.6	2676.3	2612.1	2513.4	2428.5	2352.5	2105.7	1860.8	90.8	55.3	5.9
5°	2743.4	2685.1	2605.2	2463.0	2379.1	2325.8	2095.8	1879.6	86.9	55.3	5.9
3°	2748.3	2671.3	2585.4	2419.6	2339.6	2311.0	2095.8	1896.4	84.9	54.3	5.9
1°	2726.6	2636.8	2538.1	2384.1	2304.1	2288.3	2092.8	1905.3	82.9	53.3	5.9
0°	2709.8	2612.1	2515.4	2364.3	2288.3	2272.5	2090.9	1907.2	81.9	54.3	5.9
-1°	2688.1	2587.4	2493.6	2351.5	2270.5	2258.7	2089.9	1911.2	81.9	52.3	5.9
-3°	2629.9	2532.1	2459.1	2320.9	2238.9	2232.0	2085.9	1904.3	81.9	50.3	5.9
-5°	2583.5	2507.5	2436.4	2298.2	2213.3	2203.4	2080.0	1891.5	81.9	49.4	5.9
-7°	2557.8	2489.7	2408.7	2266.6	2184.6	2168.9	2071.1	1867.8	81.9	47.4	5.9
-9°	2523.3	2451.2	2366.3	2223.1	2142.2	2123.4	2059.3	1841.1	81.9	46.4	5.9
-11°	2465.0	2387.0	2296.2	2171.8	2100.7	2066.2	2029.7	1806.6	81.9	45.4	5.9
-13°	2375.2	2301.1	2225.1	2118.5	2055.3	2018.8	1996.1	1761.1	80.0	45.4	5.9
-15°	2294.2	2218.2	2150.1	2074.1	2019.8	1980.3	1969.4	1708.8	79.0	45.4	5.9
-17°	2203.4	2132.3	2080.0	2027.7	1988.2	1948.7	1940.8	1647.6	78.0	46.4	5.9
-19.5°	2095.8	2036.6	2007.9	1977.3	1940.8	1909.2	1908.2	1563.7	77.0	46.4	5.9
-22.5°	2057.3	1999.1	1970.4	1943.8	1903.3	1874.7	1875.7	1447.2	74.0	46.4	5.9
-25.5°	2003.0	1944.8	1915.1	1893.4	1872.7	1845.1	1851.0	1314.9	71.1	45.4	5.9
-29°	1894.4	1847.0	1828.3	1805.6	1796.7	1807.5	1827.3	1145.1	70.1	43.4	5.9
-33°	1781.9	1746.3	1715.7	1672.3	1652.6	1701.9	1778.9	931.9	71.1	40.5	5.9
-37.5°	1713.8	1682.2	1634.8	1565.7	1507.4	1538.0	1630.8	701.9	71.1	34.6	5.9
-42.5°	1676.2	1658.5	1601.2	1544.0	1449.2	1307.0	1243.9	447.2	72.1	25.7	5.9
-47.5°	1210.3	1173.8	1149.1	1106.6	1034.6	869.7	683.1	148.1	69.1	14.8	5.9
-55°	248.8	247.8	268.5	246.8	192.5	138.2	143.1	48.4	56.3	9.9	5.9
-65°	203.4	220.1	161.9	101.7	59.2	42.4	57.3	41.5	23.7	6.9	4.9
-75°	21.7	20.7	15.8	17.8	19.7	17.8	16.8	10.9	7.9	5.9	3.9
-85°	10.9	10.9	10.9	9.9	8.9	7.9	6.9	5.9	4.9	4.9	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)