

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: P571710

Luminaire Tested: **UFLD-S-CA1-50-730-U-66-TS2LW\_NFFLD**

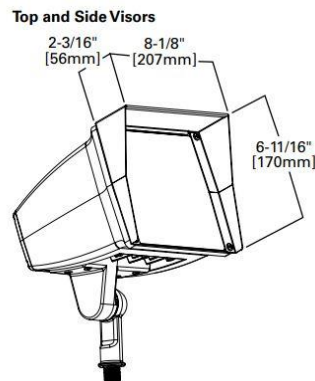
Issue Date: 9/21/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P571710  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2109-378-6)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 9/21/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: UFLD-S-CA1-50-730-U-66-TS2LW\_NFFLD  
Description: FLOOD LIGHT SMALL, 6x6 OPTIC WITH TOP AND SIDE VISOR  
Light Source: (1) 3000K CCT, 70 CRI LEDS  
Ballast/Driver: -

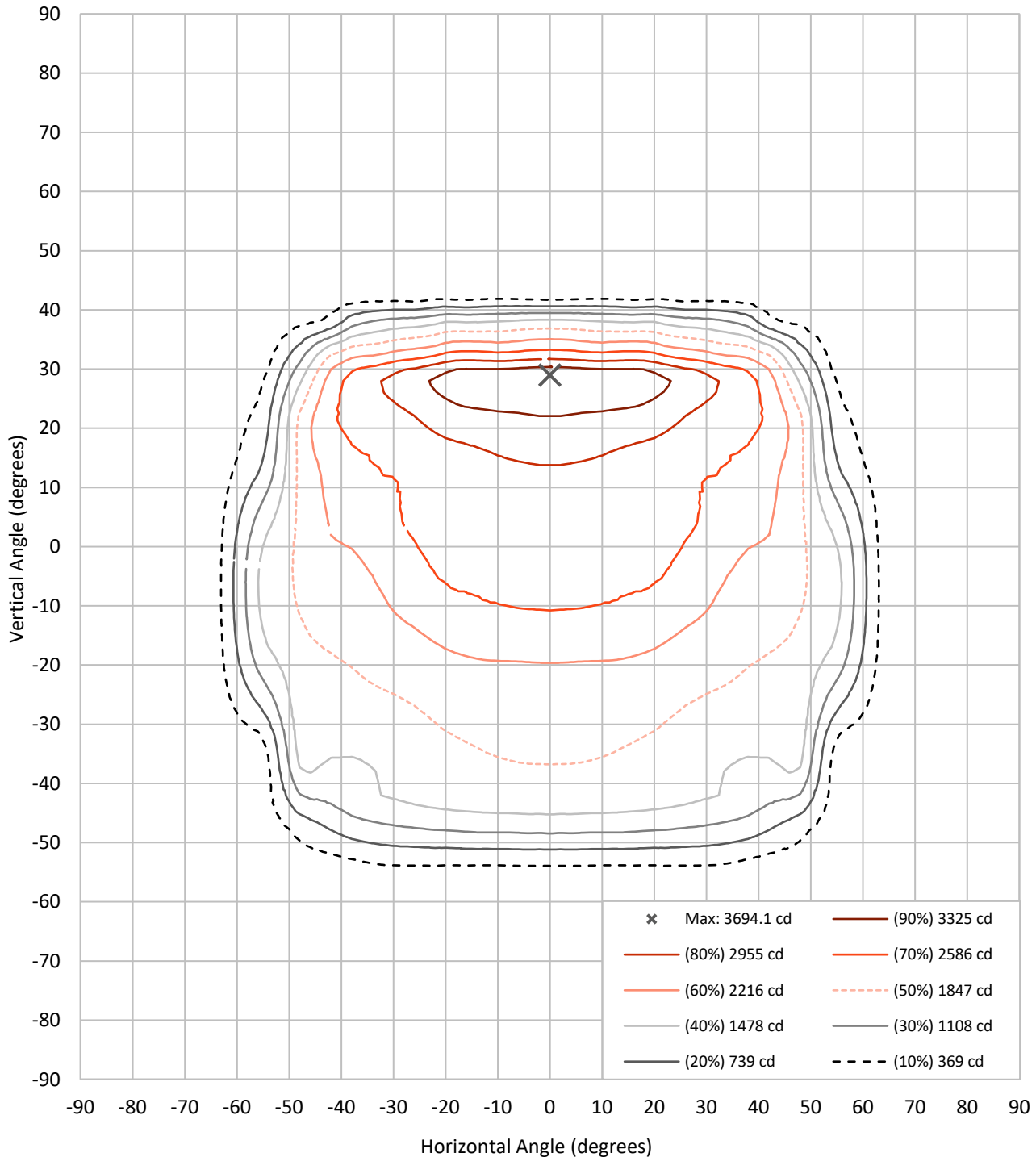
**Summary**

Lumens per Lamp:	N/A	NEMA Type:	6H x 5V
Luminaire Lumens:	5759 lumens	Max Intensity:	3694.1 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 29°V
Efficacy:	116.1 lumens/watt		
Luminous Opening:	Rectangular (W 0.67' x L: 0.5' x H: 0')		
Beam Angle (50%):	90.2°H x 73.7°V	Field Angle (10%):	108.6°H x 95.6°V
Beam Lumens:	4161.4 lumens	Field Lumens:	5603.4 lumens
Beam Efficiency:	72.3%	Field Efficiency:	97.3%
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:	25 FT		



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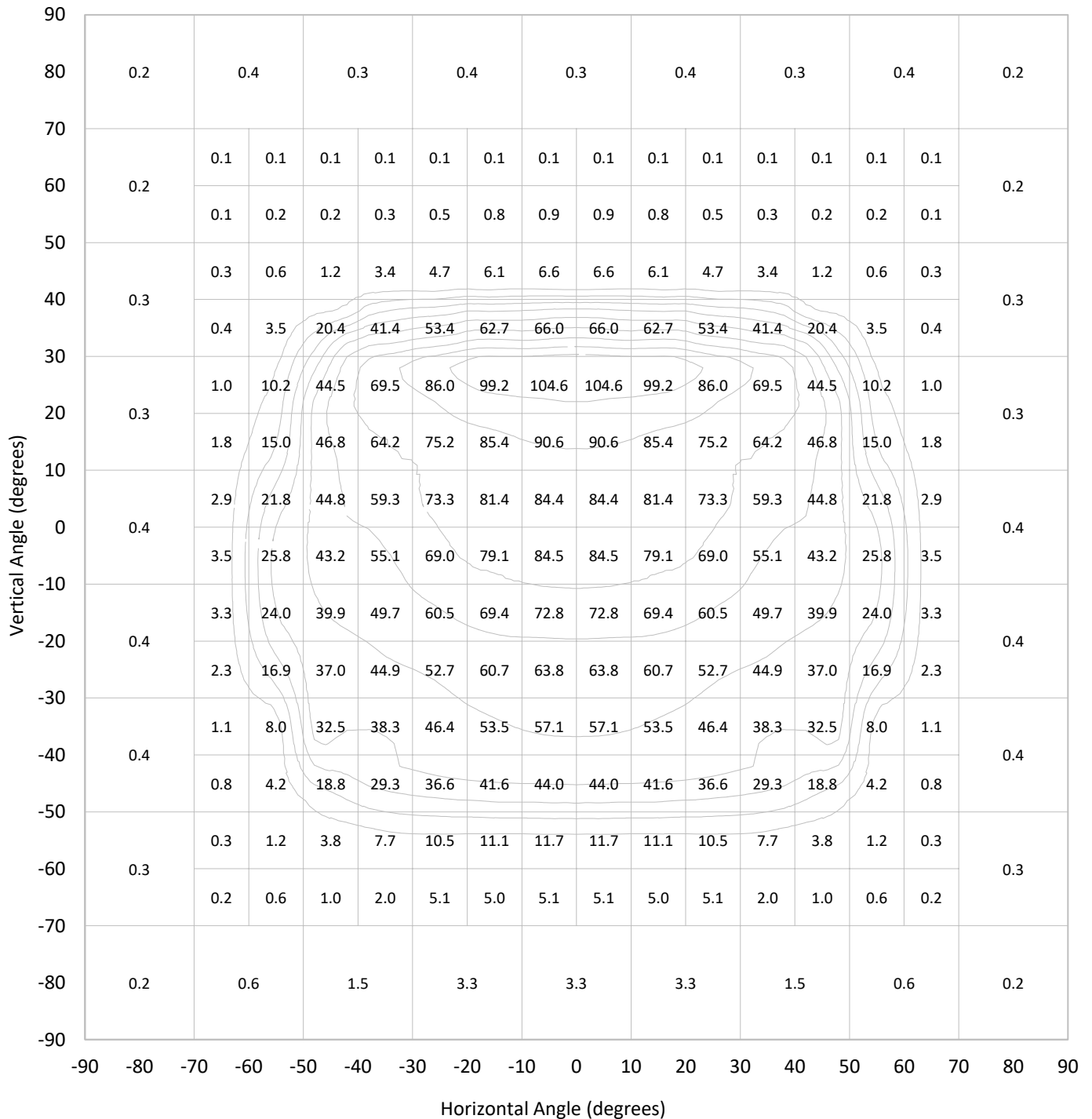
### Iso-Candela Plot





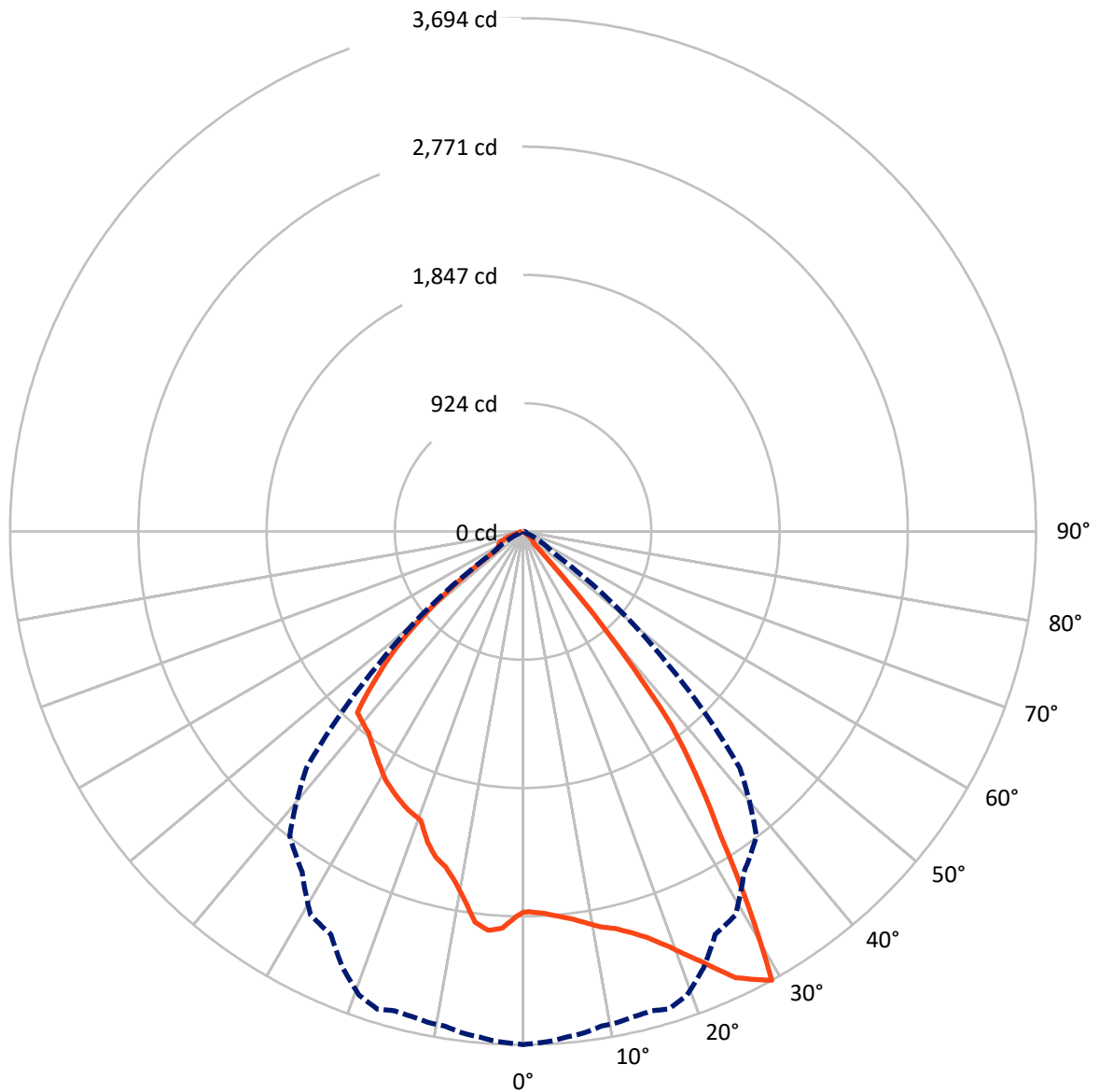
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### Lumen Table



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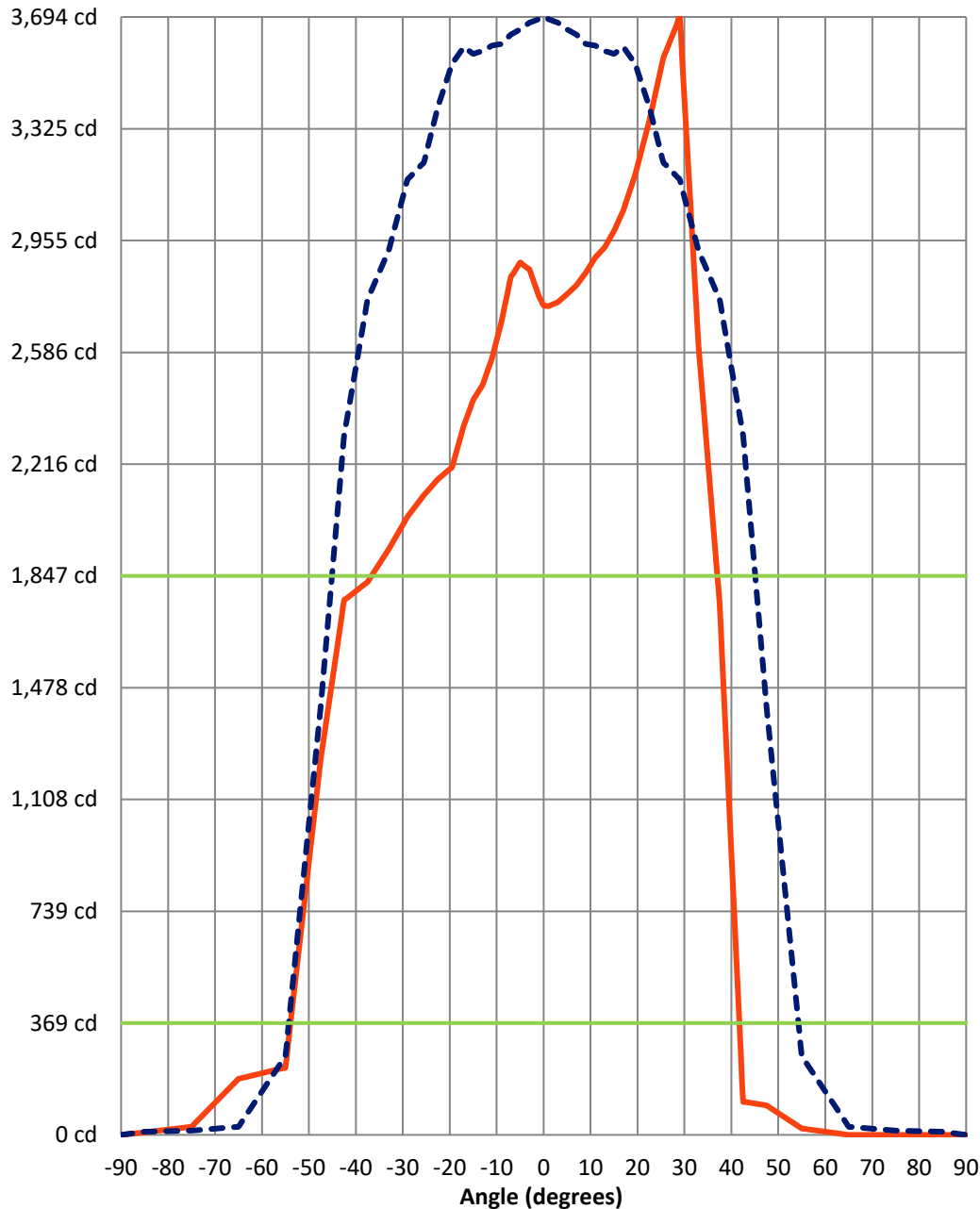
### Luminous Intensity Polar Plot



— Vertical Distribution Through 0-Deg      - - - Horizontal Distribution Through 29-Deg

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### Luminous Intensity Plot



**Beam:**  
 H Angle: 90.2°  
 V Angle: 73.7°  
 Lumens: 4161.4  
 Efficiency: 72.3%

**Field:**  
 H Angle: 108.6°  
 V Angle: 95.6°  
 Lumens: 5603.4  
 Efficiency: 97.3%

**Spill:**  
 Lumens: 155.5  
 Efficiency: 2.7%

- Vertical Distribution through 0-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	1.2	3.5	3.5	3.5	3.5	4.7	4.7	4.7	4.7	4.7
75°	0.0	1.2	1.2	2.3	3.5	3.5	3.5	3.5	3.5	3.5	2.3
65°	0.0	0.0	1.2	1.2	2.3	2.3	2.3	2.3	2.3	2.3	2.3
55°	21.1	21.1	21.1	21.1	21.1	21.1	22.3	21.1	19.9	19.9	19.9
47.5°	97.2	97.2	97.2	92.5	89.0	87.8	85.5	80.8	78.5	80.8	78.5
42.5°	110.1	112.4	128.8	153.4	174.5	190.9	190.9	175.7	138.2	114.8	185.1
37.5°	1753.4	1738.1	1760.4	1715.9	1686.6	1643.3	1630.4	1612.8	1596.4	1615.2	1639.8
33°	2608.4	2580.3	2609.6	2548.6	2528.7	2487.7	2511.2	2561.5	2573.2	2580.3	2526.4
29°	3694.1	3687.1	3675.4	3653.1	3635.6	3605.1	3599.3	3581.7	3572.3	3594.6	3539.5
25.5°	3558.3	3561.8	3546.6	3531.3	3512.6	3518.4	3503.2	3488.0	3471.6	3437.6	3369.7
22.5°	3349.8	3358.0	3342.8	3320.5	3306.4	3302.9	3287.7	3270.1	3254.9	3243.2	3197.5
19.5°	3172.9	3176.4	3170.6	3158.9	3148.3	3135.4	3112.0	3086.3	3062.8	3057.0	3035.9
17°	3055.8	3059.3	3054.6	3045.3	3034.7	3016.0	2993.7	2964.4	2941.0	2922.3	2890.7
15°	2986.7	2989.0	2985.5	2976.2	2963.3	2949.2	2931.6	2908.2	2882.5	2854.3	2815.7
13°	2932.8	2935.2	2931.6	2921.1	2909.4	2895.3	2880.1	2860.2	2837.9	2813.4	2780.6
11°	2898.9	2900.0	2894.2	2886.0	2873.1	2859.0	2842.6	2820.4	2804.0	2789.9	2771.2
9°	2849.7	2850.8	2848.5	2841.5	2835.6	2821.5	2808.7	2791.1	2778.2	2773.5	2767.7
7°	2807.5	2808.7	2808.7	2800.5	2794.6	2785.2	2774.7	2760.6	2753.6	2757.1	2763.0
5°	2778.2	2780.6	2779.4	2772.4	2767.7	2761.8	2756.0	2746.6	2738.4	2751.3	2767.7
3°	2751.3	2751.3	2753.6	2750.1	2748.9	2750.1	2751.3	2747.8	2745.4	2763.0	2785.2
1°	2738.4	2738.4	2743.1	2744.2	2747.8	2754.8	2768.8	2778.2	2780.6	2774.7	2853.2
0°	2740.7	2740.7	2747.8	2757.1	2767.7	2782.9	2794.6	2800.5	2794.6	2773.5	2997.2
-1°	2771.2	2767.7	2772.4	2788.8	2800.5	2814.5	2818.0	2813.4	2797.0	2766.5	2805.2
-3°	2859.0	2861.4	2860.2	2862.5	2862.5	2859.0	2840.3	2806.3	2770.0	2729.0	2696.2
-5°	2882.5	2889.5	2882.5	2874.3	2867.2	2836.8	2801.6	2752.4	2686.9	2648.2	2615.4
-7°	2833.3	2822.7	2816.9	2799.3	2775.9	2729.0	2684.5	2634.1	2597.8	2587.3	2579.1
-9°	2685.7	2677.5	2674.0	2665.8	2650.5	2617.8	2599.0	2579.1	2566.2	2566.2	2556.8
-11°	2566.2	2561.5	2559.2	2551.0	2548.6	2533.4	2531.1	2524.1	2513.5	2513.5	2497.1
-13°	2478.4	2478.4	2478.4	2474.9	2466.7	2460.8	2459.6	2453.8	2440.9	2436.2	2411.6
-15°	2428.0	2429.2	2424.5	2419.8	2409.3	2402.2	2395.2	2385.8	2369.4	2356.6	2324.9
-17°	2343.7	2337.8	2342.5	2333.1	2333.1	2326.1	2323.8	2319.1	2302.7	2283.9	2245.3
-19.5°	2206.6	2207.8	2205.5	2198.4	2194.9	2193.8	2192.6	2185.6	2168.0	2148.1	2117.6
-22.5°	2166.8	2165.6	2162.1	2157.4	2153.9	2150.4	2151.6	2148.1	2131.7	2111.8	2081.3
-25.5°	2114.1	2112.9	2109.4	2103.6	2096.5	2089.5	2091.9	2087.2	2074.3	2057.9	2032.1
-29°	2042.7	2039.2	2035.6	2031.0	2019.2	2001.7	1988.8	1978.2	1964.2	1951.3	1922.0
-33°	1934.9	1933.7	1933.7	1929.1	1918.5	1904.5	1889.2	1874.0	1854.1	1834.2	1800.2
-37.5°	1827.2	1827.2	1827.2	1824.8	1820.1	1813.1	1804.9	1790.8	1770.9	1747.5	1715.9
-42.5°	1766.2	1765.1	1766.2	1760.4	1753.4	1744.0	1737.0	1724.1	1708.9	1697.1	1678.4
-47.5°	1239.2	1220.4	1231.0	1233.3	1211.1	1216.9	1214.6	1215.8	1207.6	1185.3	1165.4
-55°	222.5	222.5	224.9	228.4	226.1	220.2	213.2	213.2	221.4	224.9	220.2
-65°	185.1	185.1	185.1	183.9	183.9	182.7	182.7	182.7	182.7	182.7	188.6
-75°	26.9	25.8	26.9	26.9	24.6	25.8	29.3	29.3	29.3	29.3	29.3
-85°	8.2	8.2	8.2	11.7	12.9	14.1	14.1	15.2	15.2	14.1	14.1
-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°	4.7	4.7	4.7	3.5	3.5	4.7	4.7	5.9	8.2	9.4	9.4
75°	2.3	2.3	2.3	2.3	3.5	4.7	4.7	5.9	8.2	9.4	10.5
65°	2.3	2.3	2.3	2.3	2.3	3.5	4.7	7.0	8.2	9.4	10.5
55°	17.6	12.9	9.4	10.5	12.9	9.4	7.0	8.2	9.4	10.5	10.5
47.5°	63.2	38.7	24.6	22.3	24.6	18.7	15.2	15.2	19.9	10.5	10.5
42.5°	179.2	67.9	124.2	135.9	117.1	37.5	52.7	41.0	23.4	11.7	10.5
37.5°	1498.0	1425.4	1386.8	1282.5	1098.6	459.1	336.1	56.2	24.6	11.7	10.5
33°	2357.7	2298.0	2223.0	2071.9	2053.2	1744.0	951.1	116.0	24.6	12.9	10.5
29°	3397.8	3213.9	3156.5	2922.3	2760.6	2310.9	1412.5	260.0	26.9	14.1	10.5
25.5°	3276.0	3163.6	3038.2	2910.6	2775.9	2440.9	1729.9	378.3	30.5	14.1	10.5
22.5°	3099.1	2986.7	2880.1	2786.4	2709.1	2524.1	1979.4	469.7	35.1	14.1	10.5
19.5°	2957.4	2859.0	2761.8	2671.6	2635.3	2529.9	2062.6	542.3	42.2	14.1	10.5
17°	2819.2	2741.9	2671.6	2609.6	2596.7	2458.5	2050.9	605.5	53.9	15.2	10.5
15°	2743.1	2668.1	2617.8	2593.2	2567.4	2369.4	2035.6	667.6	60.9	15.2	10.5
13°	2703.3	2627.1	2592.0	2600.2	2518.2	2308.5	2014.6	766.0	67.9	15.2	10.5
11°	2698.6	2614.2	2590.8	2566.2	2459.6	2287.5	1999.3	885.5	71.4	15.2	10.5
9°	2712.6	2637.7	2588.5	2500.6	2409.3	2280.4	1988.8	1023.7	72.6	16.4	11.7
7°	2724.3	2652.9	2586.1	2442.1	2357.7	2261.7	1971.2	1151.3	70.3	16.4	11.7
5°	2741.9	2664.6	2580.3	2396.4	2315.6	2240.6	1956.0	1280.2	66.8	16.4	11.7
3°	2738.4	2641.2	2558.0	2353.0	2280.4	2224.2	1944.3	1392.6	65.6	16.4	11.7
1°	2711.5	2600.2	2507.7	2320.3	2244.1	2199.6	1938.4	1487.5	65.6	17.6	11.7
0°	2696.2	2576.8	2477.2	2305.0	2225.4	2187.9	1936.1	1529.7	64.4	17.6	11.7
-1°	2670.5	2546.3	2458.5	2291.0	2209.0	2171.5	1931.4	1561.3	64.4	17.6	11.7
-3°	2607.2	2497.1	2425.7	2260.5	2180.9	2144.6	1927.9	1603.4	65.6	17.6	11.7
-5°	2560.4	2476.0	2398.7	2233.6	2159.8	2116.5	1918.5	1624.5	66.8	17.6	11.7
-7°	2540.4	2454.9	2368.3	2198.4	2127.0	2081.3	1908.0	1628.0	66.8	17.6	11.7
-9°	2511.2	2418.6	2321.4	2153.9	2086.0	2038.0	1897.4	1617.5	67.9	18.7	11.7
-11°	2443.2	2344.8	2248.8	2107.1	2040.3	1984.1	1871.7	1598.8	67.9	18.7	11.7
-13°	2353.0	2258.2	2170.3	2054.4	1994.6	1938.4	1847.1	1561.3	67.9	18.7	11.7
-15°	2260.5	2170.3	2096.5	2008.7	1956.0	1898.6	1824.8	1503.9	67.9	18.7	11.7
-17°	2172.7	2083.7	2022.8	1961.8	1916.2	1860.0	1799.0	1428.9	69.1	18.7	11.7
-19.5°	2055.5	1985.3	1941.9	1905.6	1864.6	1813.1	1772.1	1311.8	67.9	17.6	11.7
-22.5°	2012.2	1944.3	1905.6	1869.3	1824.8	1773.3	1753.4	1122.1	64.4	17.6	11.7
-25.5°	1957.2	1886.9	1843.6	1813.1	1788.5	1739.3	1749.9	896.0	62.1	17.6	11.7
-29°	1855.3	1797.9	1754.5	1721.7	1700.7	1691.3	1758.1	602.0	64.4	16.4	11.7
-33°	1748.7	1696.0	1640.9	1590.6	1557.8	1578.8	1735.8	236.6	66.8	16.4	11.7
-37.5°	1673.7	1623.4	1561.3	1485.1	1413.7	1410.2	1587.0	121.8	69.1	16.4	11.7
-42.5°	1630.4	1592.9	1530.8	1466.4	1369.2	1171.3	1109.2	151.1	66.8	15.2	11.7
-47.5°	1153.7	1122.1	1091.6	1041.2	962.8	753.1	504.8	100.7	52.7	12.9	10.5
-55°	237.8	235.4	243.6	231.9	139.4	75.0	103.1	44.5	16.4	12.9	10.5
-65°	207.3	228.4	172.2	93.7	31.6	39.8	57.4	34.0	12.9	11.7	10.5
-75°	28.1	26.9	19.9	19.9	22.3	21.1	15.2	10.5	10.5	10.5	10.5
-85°	12.9	11.7	11.7	10.5	10.5	9.4	9.4	8.2	9.4	10.5	10.5
-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)