

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: P507865

Luminaire Tested: **UFLD-S-CA1-50-750-U-66**

Issue Date: 3/30/2021

Test Information

Test Method: LM-79-08
Report Number: P507865
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-CA1-50-750-U-66
Description: UTILITY FLOOD SMALL, 6x6 OPTIC
Light Source: (1) 5000K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

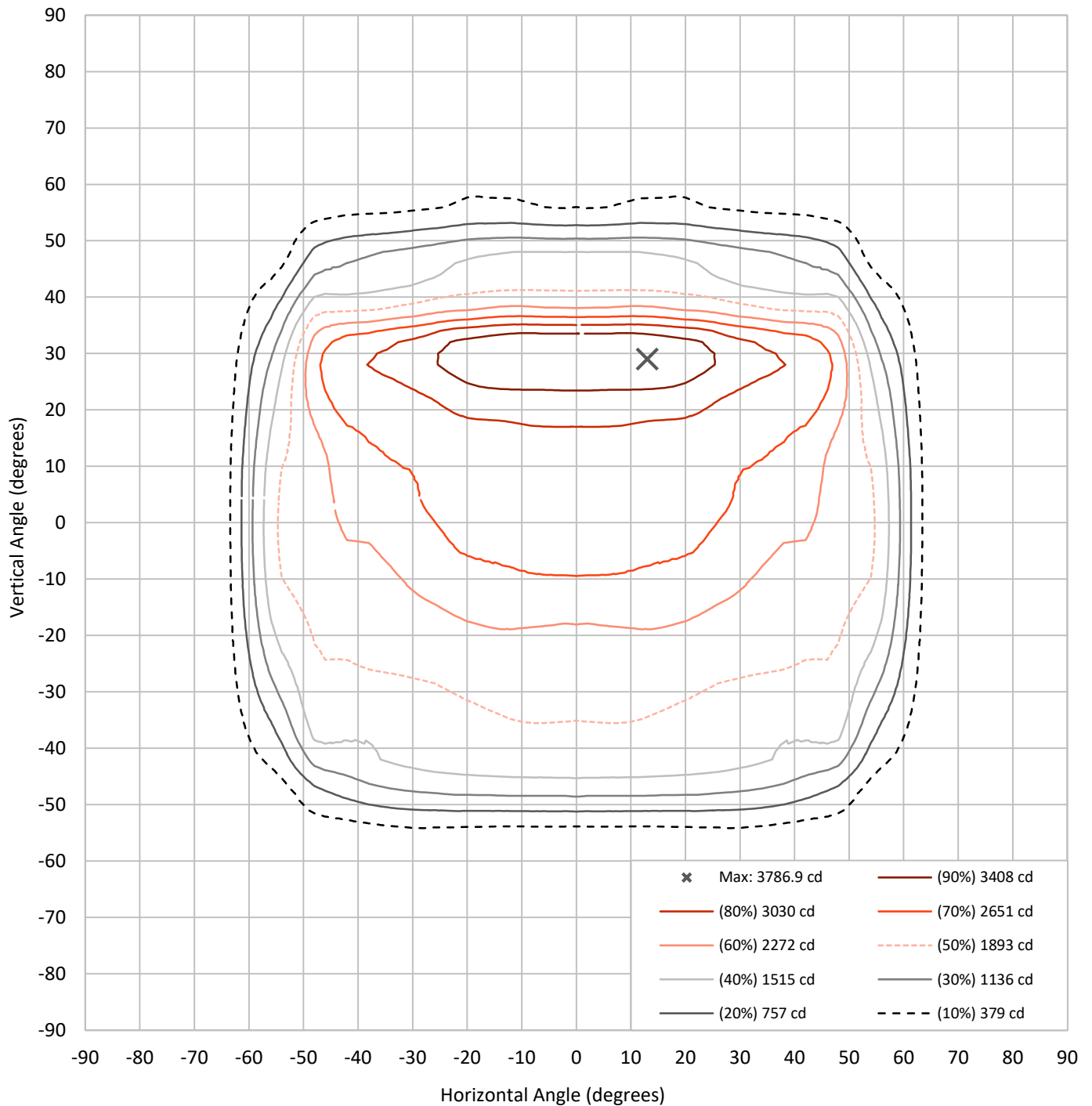
Lumens per Lamp:	N/A	NEMA Type:	6H x 6V
Luminaire Lumens:	6891 lumens	Max Intensity:	3786.9 candela
Efficiency:	N/A	Max Intensity Angle:	13°H x 29°V
Efficacy:	138.9 lumens/watt		
Luminous Opening:	Rectangular (W 0.67' x L: 0.5' x H: 0')		
Beam Angle (50%):	103.2°H x 75.8°V	Field Angle (10%):	124.4°H x 111.6°V
Beam Lumens:	5034.7 lumens	Field Lumens:	6691.6 lumens
Beam Efficiency:	73.1%	Field Efficiency:	97.1%
Input Watts (W):	49.6		
Input Voltage (V):	120		
Input Current (A _{in}):	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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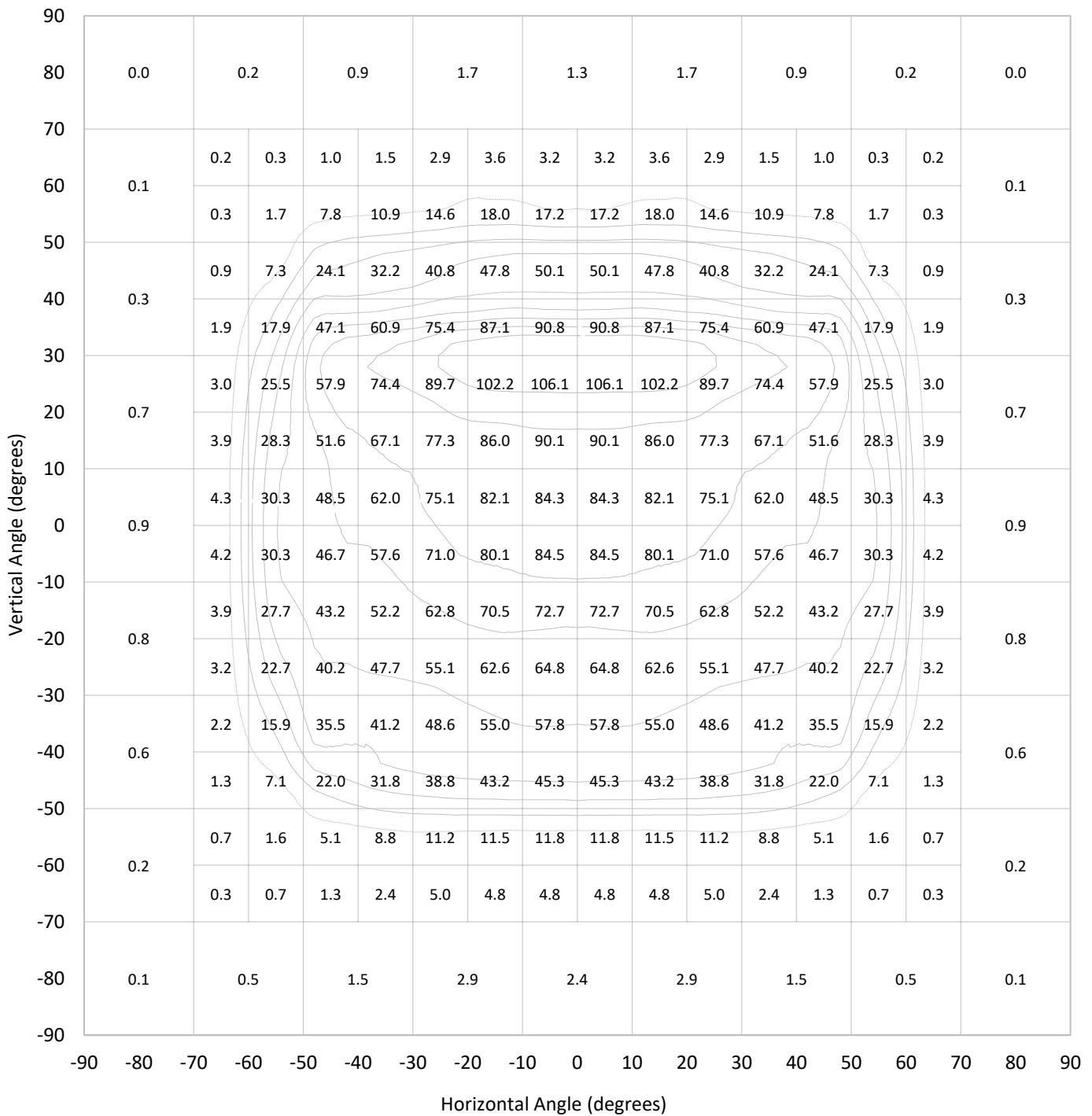
Iso-Candela Plot





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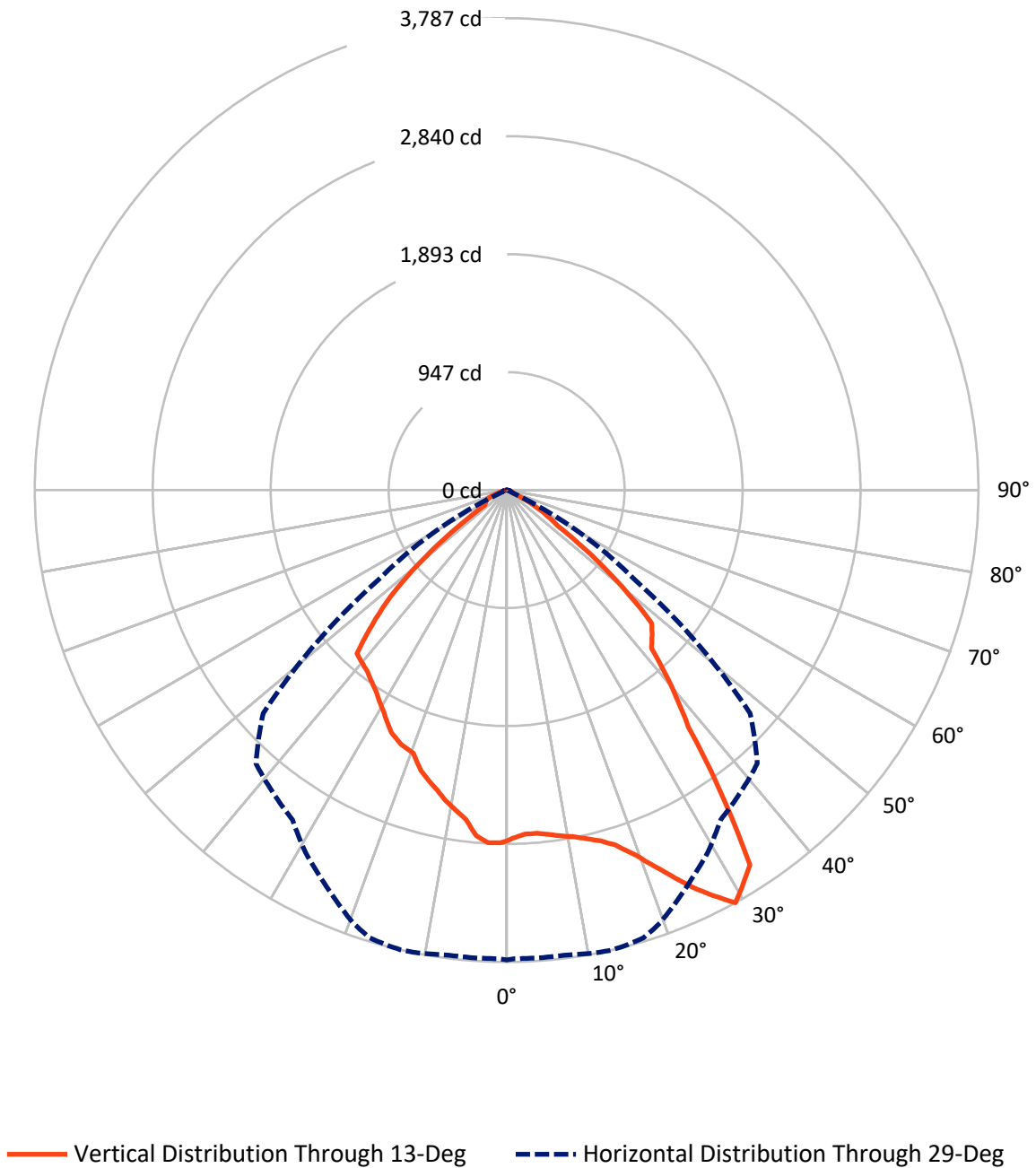
Lumen Table



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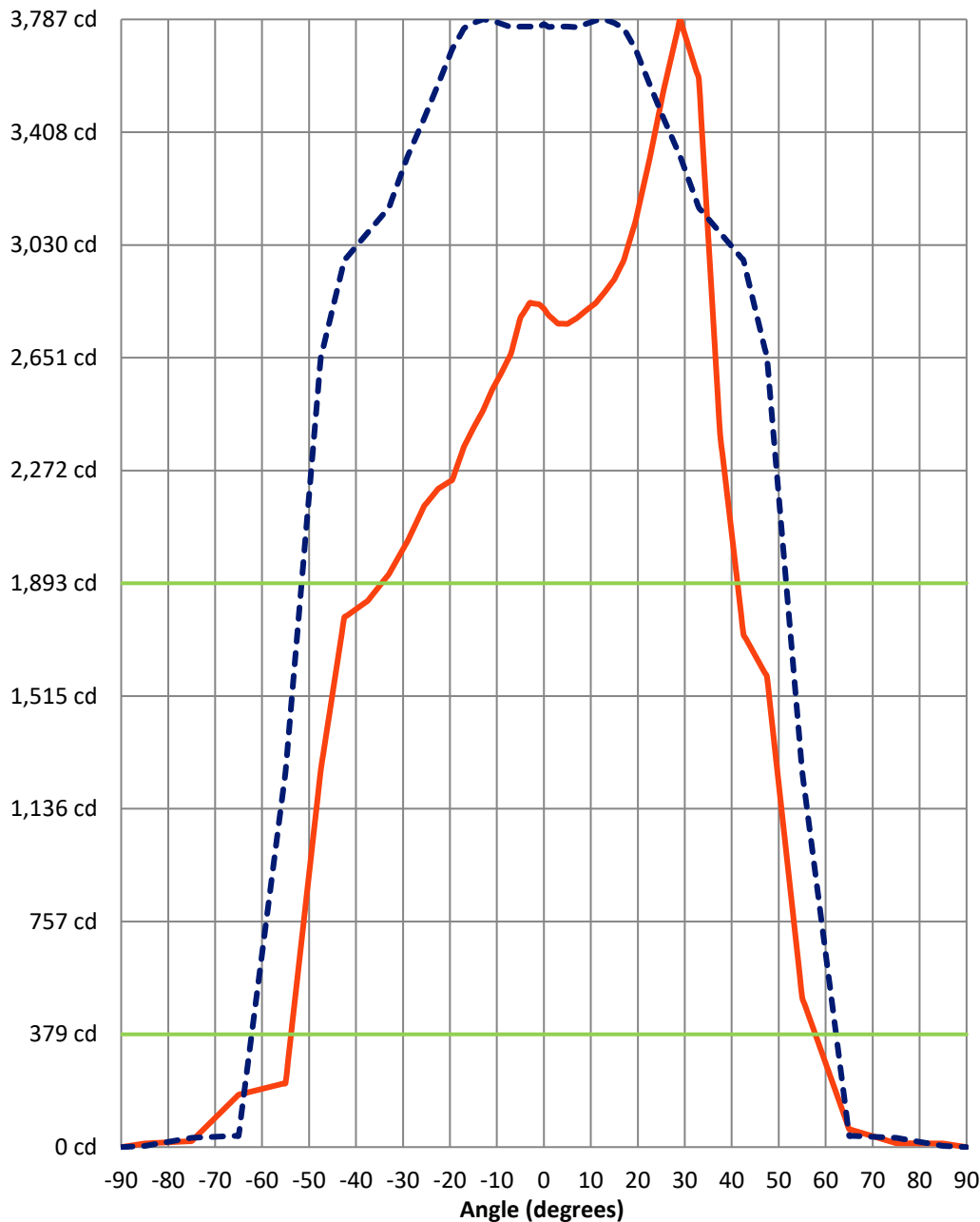
Luminous Intensity Polar Plot



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Luminous Intensity Plot



Beam:
 H Angle: 103.2°
 V Angle: 75.8°
 Lumens: 5034.7
 Efficiency: 73.1%

Field:
 H Angle: 124.4°
 V Angle: 111.6°
 Lumens: 6691.6
 Efficiency: 97.1%

Spill:
 Lumens: 199.4
 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	6.0	8.0	10.1	11.1	12.1	12.1	11.1	11.1
75°	9.0	9.0	10.1	9.0	8.0	10.1	14.1	13.1	14.1	16.1	13.1
65°	76.4	77.4	76.4	71.4	64.3	59.3	56.3	60.3	74.4	99.5	118.6
55°	409.1	388.0	388.0	399.1	421.2	454.4	474.5	502.6	471.5	490.6	483.5
47.5°	1594.4	1592.4	1596.4	1594.4	1595.4	1596.4	1591.4	1579.3	1562.2	1550.1	1519.0
42.5°	1719.0	1722.0	1726.1	1730.1	1733.1	1731.1	1727.1	1722.0	1704.9	1688.9	1669.8
37.5°	2340.3	2335.3	2358.4	2354.4	2357.4	2395.6	2388.5	2397.6	2369.4	2337.3	2260.9
33°	3612.0	3611.0	3624.0	3605.9	3622.0	3628.0	3620.0	3585.8	3557.7	3504.4	3461.2
29°	3770.8	3761.7	3762.8	3762.8	3760.7	3771.8	3782.9	3786.9	3774.8	3756.7	3687.4
25.5°	3557.7	3566.7	3552.6	3551.6	3547.6	3548.6	3549.6	3549.6	3533.5	3513.4	3468.2
22.5°	3339.5	3338.5	3337.5	3330.5	3328.5	3327.5	3326.5	3317.4	3312.4	3309.4	3278.2
19.5°	3133.4	3143.5	3142.5	3141.5	3140.5	3134.5	3122.4	3108.3	3101.3	3102.3	3094.2
17°	3024.9	3019.9	3021.9	3020.9	3020.9	3008.8	2990.7	2977.6	2963.6	2955.5	2942.4
15°	2953.5	2954.5	2956.5	2952.5	2946.5	2940.4	2930.4	2914.3	2899.2	2884.1	2861.0
13°	2912.3	2911.3	2910.3	2903.2	2900.2	2892.2	2881.1	2872.1	2858.0	2842.9	2816.8
11°	2884.1	2882.1	2880.1	2874.1	2869.1	2859.0	2846.9	2833.9	2824.8	2817.8	2803.7
9°	2838.9	2837.9	2839.9	2834.9	2833.9	2828.8	2817.8	2809.7	2802.7	2804.7	2801.7
7°	2802.7	2803.7	2804.7	2801.7	2801.7	2797.7	2790.6	2783.6	2783.6	2792.7	2799.7
5°	2774.6	2771.5	2771.5	2771.5	2772.6	2770.5	2768.5	2764.5	2768.5	2782.6	2802.7
3°	2744.4	2743.4	2749.4	2752.4	2754.5	2759.5	2764.5	2765.5	2772.6	2795.7	2822.8
1°	2730.3	2732.3	2735.4	2743.4	2751.4	2764.5	2780.6	2793.7	2799.7	2814.8	2820.8
0°	2725.3	2727.3	2734.4	2748.4	2763.5	2784.6	2798.7	2815.8	2811.8	2814.8	2812.8
-1°	2749.4	2754.5	2757.5	2781.6	2800.7	2815.8	2828.8	2829.9	2818.8	2812.8	2802.7
-3°	2849.0	2846.9	2854.0	2857.0	2869.1	2867.0	2854.0	2834.9	2804.7	2782.6	2752.4
-5°	2889.2	2885.1	2881.1	2885.1	2880.1	2856.0	2828.8	2784.6	2739.4	2704.2	2674.0
-7°	2820.8	2823.8	2810.8	2810.8	2780.6	2753.5	2701.2	2665.0	2638.9	2627.8	2631.8
-9°	2681.1	2664.0	2665.0	2663.0	2656.9	2628.8	2612.7	2601.7	2595.6	2596.6	2601.7
-11°	2546.4	2545.4	2547.4	2540.3	2541.3	2542.3	2542.3	2543.4	2545.4	2547.4	2547.4
-13°	2469.0	2463.9	2466.9	2465.9	2469.0	2469.0	2472.0	2472.0	2475.0	2476.0	2469.0
-15°	2414.7	2412.7	2412.7	2414.7	2413.7	2410.7	2412.7	2414.7	2410.7	2404.6	2387.5
-17°	2310.1	2287.0	2308.1	2318.2	2325.2	2329.2	2334.3	2352.3	2347.3	2327.2	2306.1
-19.5°	2219.7	2217.6	2219.7	2221.7	2226.7	2233.7	2239.8	2240.8	2230.7	2214.6	2189.5
-22.5°	2183.5	2182.5	2185.5	2189.5	2194.5	2201.6	2207.6	2210.6	2203.6	2186.5	2158.3
-25.5°	2127.2	2128.2	2131.2	2134.2	2138.2	2142.2	2147.3	2152.3	2150.3	2134.2	2108.1
-29°	2052.8	2051.8	2053.8	2056.8	2060.8	2052.8	2044.7	2035.7	2025.6	2010.6	1981.4
-33°	1943.2	1943.2	1945.2	1949.2	1950.2	1945.2	1935.2	1924.1	1905.0	1881.9	1851.7
-37.5°	1836.6	1839.7	1845.7	1848.7	1851.7	1850.7	1846.7	1834.6	1814.5	1795.4	1772.3
-42.5°	1804.5	1805.5	1806.5	1806.5	1800.5	1794.4	1787.4	1778.3	1765.3	1759.2	1743.1
-47.5°	1287.8	1258.6	1277.7	1258.6	1265.6	1268.7	1264.6	1266.6	1244.5	1247.5	1235.5
-55°	218.1	220.2	222.2	227.2	226.2	220.2	214.1	215.1	225.2	235.2	232.2
-65°	173.9	173.9	172.9	171.9	170.9	171.9	172.9	175.9	176.9	179.9	184.0
-75°	17.1	17.1	16.1	14.1	12.1	18.1	20.1	20.1	20.1	21.1	22.1
-85°	1.0	2.0	4.0	7.0	9.0	11.1	12.1	12.1	12.1	12.1	12.1
-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°	10.1	10.1	9.0	8.0	6.0	4.0	3.0	2.0	1.0	1.0	2.0
75°	12.1	12.1	14.1	19.1	19.1	11.1	7.0	4.0	4.0	2.0	3.0
65°	99.5	57.3	35.2	26.1	19.1	17.1	13.1	11.1	13.1	4.0	3.0
55°	433.3	389.0	369.9	333.8	324.7	311.6	262.4	41.2	25.1	7.0	3.0
47.5°	1460.7	1389.3	1308.9	1232.5	1161.1	1070.6	912.8	123.6	32.2	9.0	4.0
42.5°	1624.5	1543.1	1481.8	1413.4	1327.0	1270.7	1306.9	459.4	31.2	13.1	4.0
37.5°	2241.8	2182.5	2068.9	1997.5	1893.9	1861.8	1866.8	765.0	27.1	19.1	4.0
33°	3404.9	3237.0	3076.1	2975.6	2812.8	2736.4	2416.7	1025.4	31.2	25.1	4.0
29°	3569.7	3454.1	3327.5	3154.6	3071.1	2977.6	2650.9	1261.6	38.2	31.2	4.0
25.5°	3377.7	3274.2	3158.6	3042.0	2979.6	2885.1	2618.7	1409.4	46.2	37.2	5.0
22.5°	3190.7	3083.2	2981.7	2903.2	2861.0	2822.8	2550.4	1516.0	55.3	41.2	5.0
19.5°	3032.9	2937.4	2849.0	2783.6	2774.6	2748.4	2406.6	1600.4	65.3	45.2	5.0
17°	2891.2	2818.8	2756.5	2714.2	2720.3	2630.8	2302.1	1670.8	74.4	48.3	5.0
15°	2809.7	2753.5	2711.2	2700.2	2685.1	2541.3	2239.8	1724.0	80.4	51.3	5.0
13°	2765.5	2711.2	2687.1	2699.2	2636.8	2461.9	2194.5	1776.3	86.5	53.3	5.0
11°	2756.5	2697.2	2681.1	2672.0	2582.6	2425.7	2164.4	1824.6	92.5	54.3	5.0
9°	2768.5	2711.2	2671.0	2614.7	2533.3	2410.7	2154.3	1865.8	94.5	55.3	5.0
7°	2777.6	2725.3	2660.0	2559.4	2473.0	2395.6	2144.3	1894.9	92.5	56.3	6.0
5°	2793.7	2734.4	2652.9	2508.2	2422.7	2368.4	2134.2	1914.0	88.5	56.3	6.0
3°	2798.7	2720.3	2632.8	2463.9	2382.5	2353.4	2134.2	1931.1	86.5	55.3	6.0
1°	2776.6	2685.1	2584.6	2427.7	2346.3	2330.2	2131.2	1940.2	84.4	54.3	6.0
0°	2759.5	2660.0	2561.4	2407.6	2330.2	2314.1	2129.2	1942.2	83.4	55.3	6.0
-1°	2737.4	2634.8	2539.3	2394.6	2312.1	2300.1	2128.2	1946.2	83.4	53.3	6.0
-3°	2678.1	2578.5	2504.1	2363.4	2280.0	2272.9	2124.1	1939.2	83.4	51.3	6.0
-5°	2630.8	2553.4	2481.0	2340.3	2253.8	2243.8	2118.1	1926.1	83.4	50.3	6.0
-7°	2604.7	2535.3	2452.9	2308.1	2224.7	2208.6	2109.1	1902.0	83.4	48.3	6.0
-9°	2569.5	2496.1	2409.6	2263.9	2181.5	2162.4	2097.0	1874.8	83.4	47.2	6.0
-11°	2510.2	2430.8	2338.3	2211.6	2139.2	2104.0	2066.8	1839.7	83.4	46.2	6.0
-13°	2418.7	2343.3	2265.9	2157.3	2093.0	2055.8	2032.7	1793.4	81.4	46.2	6.0
-15°	2336.3	2258.9	2189.5	2112.1	2056.8	2016.6	2005.5	1740.1	80.4	46.2	6.0
-17°	2243.8	2171.4	2118.1	2064.8	2024.6	1984.4	1976.4	1677.8	79.4	47.2	6.0
-19.5°	2134.2	2073.9	2044.7	2013.6	1976.4	1944.2	1943.2	1592.4	78.4	47.2	6.0
-22.5°	2095.0	2035.7	2006.5	1979.4	1938.2	1909.0	1910.0	1473.7	75.4	47.2	6.0
-25.5°	2039.7	1980.4	1950.2	1928.1	1907.0	1878.9	1884.9	1339.0	72.4	46.2	6.0
-29°	1929.1	1880.9	1861.8	1838.7	1829.6	1840.7	1860.8	1166.1	71.4	44.2	6.0
-33°	1814.5	1778.3	1747.2	1702.9	1682.8	1733.1	1811.5	949.0	72.4	41.2	6.0
-37.5°	1745.2	1713.0	1664.7	1594.4	1535.1	1566.2	1660.7	714.8	72.4	35.2	6.0
-42.5°	1707.0	1688.9	1630.6	1572.3	1475.7	1331.0	1266.6	455.4	73.4	26.1	6.0
-47.5°	1232.5	1195.3	1170.1	1126.9	1053.5	885.6	695.7	150.8	70.4	15.1	6.0
-55°	253.3	252.3	273.4	251.3	196.0	140.7	145.8	49.3	57.3	10.1	6.0
-65°	207.1	224.2	164.9	103.5	60.3	43.2	58.3	42.2	24.1	7.0	5.0
-75°	22.1	21.1	16.1	18.1	20.1	18.1	17.1	11.1	8.0	6.0	4.0
-85°	11.1	11.1	11.1	10.1	9.0	8.0	7.0	6.0	5.0	5.0	4.0
-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):

	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)