

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: P507866

Luminaire Tested: **UFLD-S-CA1-50-760-U-66**

Issue Date: 3/30/2021

Test Information

Test Method: LM-79-08
Report Number: P507866
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-CA1-50-760-U-66
Description: UTILITY FLOOD SMALL, 6x6 OPTIC
Light Source: (1) 5700K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

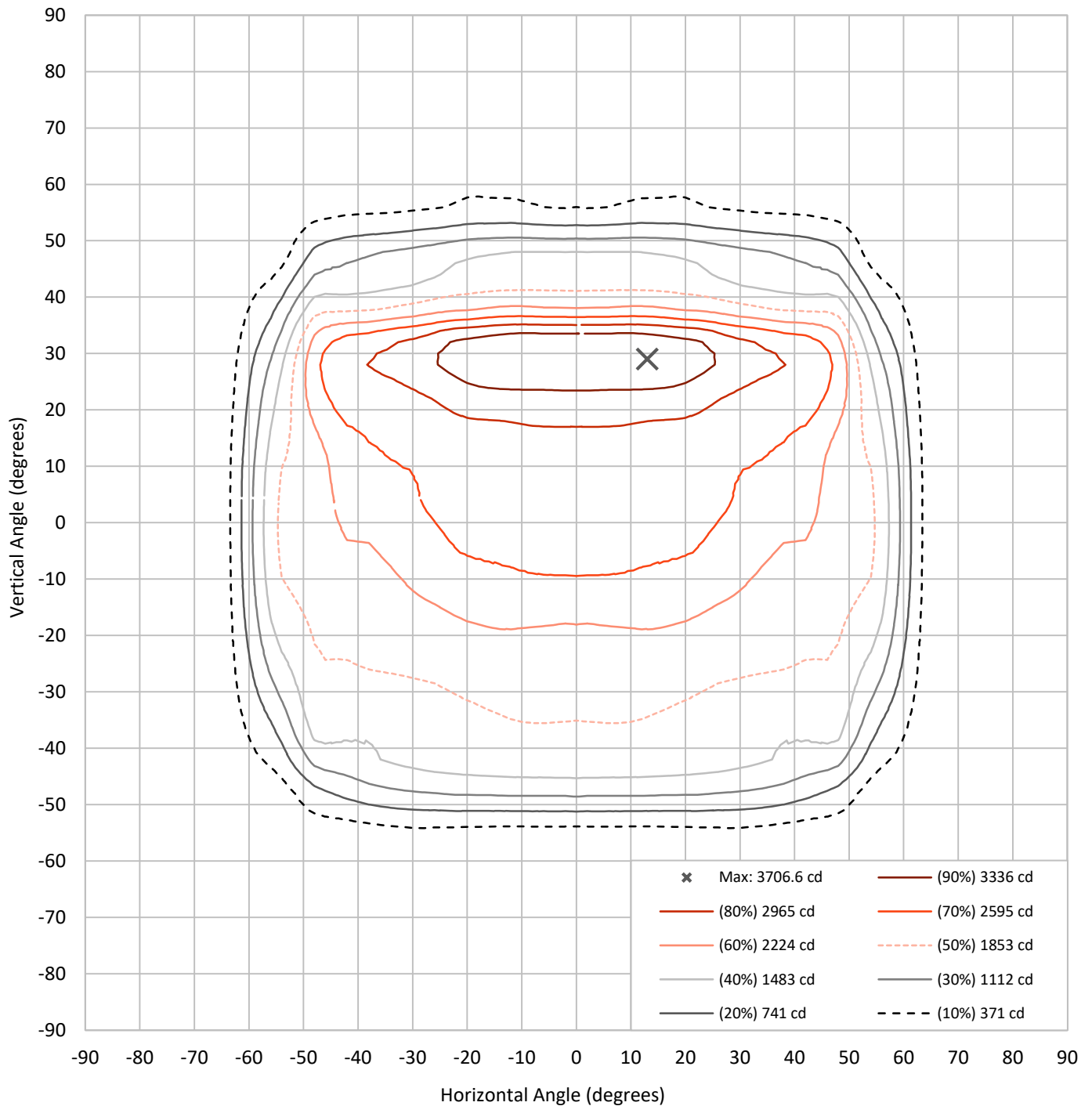
| | | | |
|-----------------------------------|---|----------------------|-------------------|
| Lumens per Lamp: | N/A | NEMA Type: | 6H x 6V |
| Luminaire Lumens: | 6745 lumens | Max Intensity: | 3706.6 candela |
| Efficiency: | N/A | Max Intensity Angle: | 13°H x 29°V |
| Efficacy: | 136.0 lumens/watt | | |
| 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: | 4928 lumens | Field Lumens: | 6549.8 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

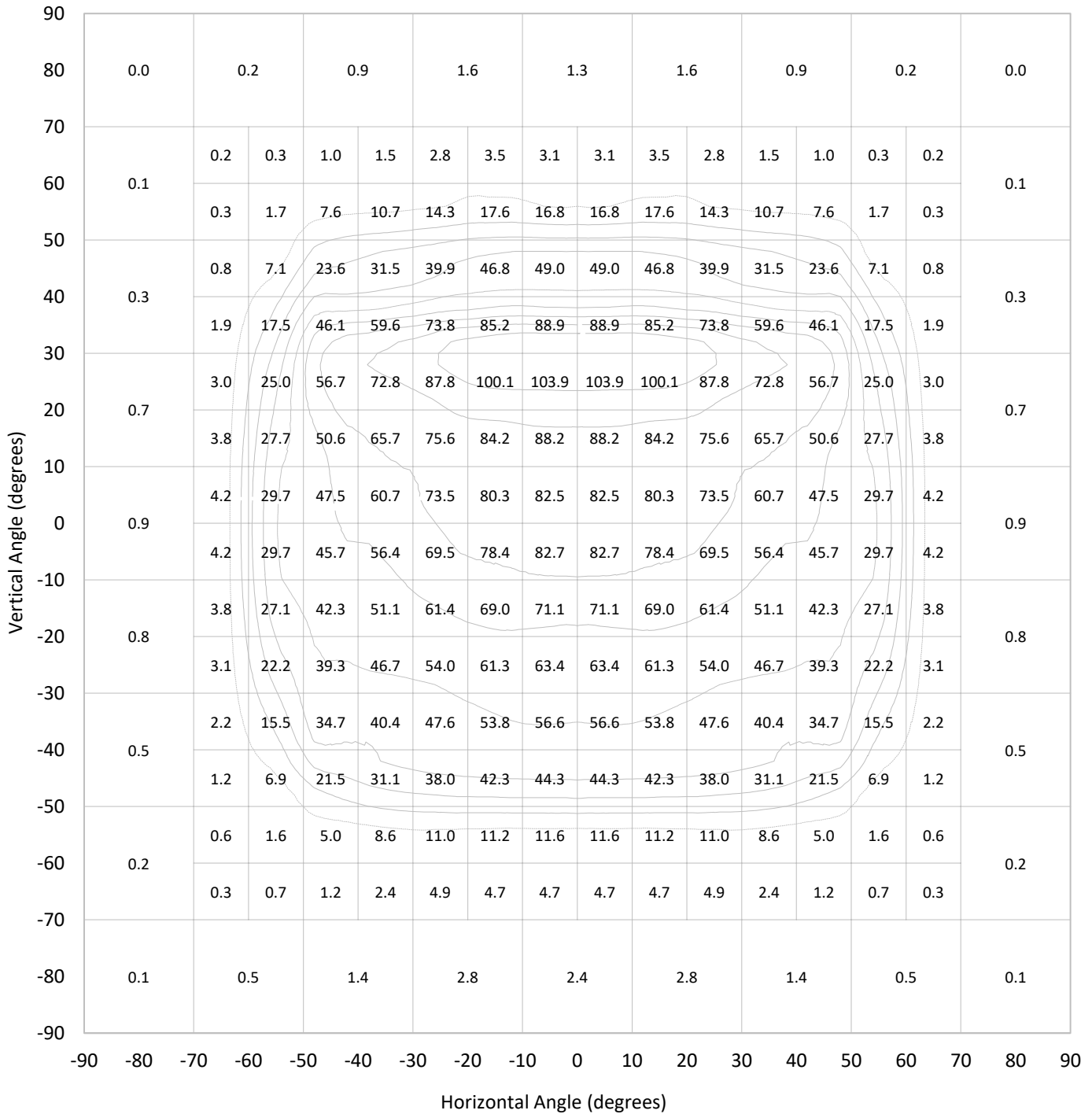




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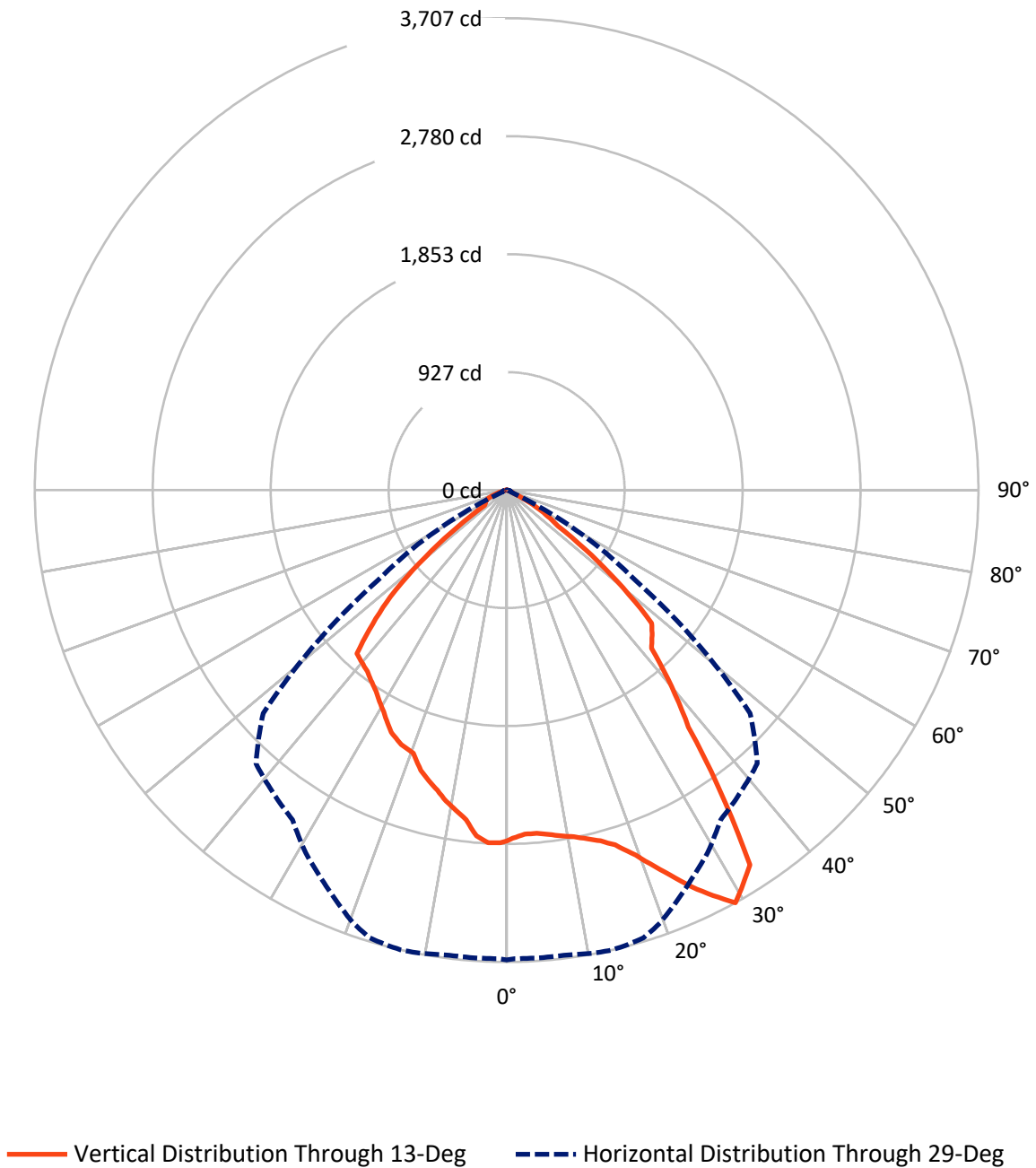
Lumen Table



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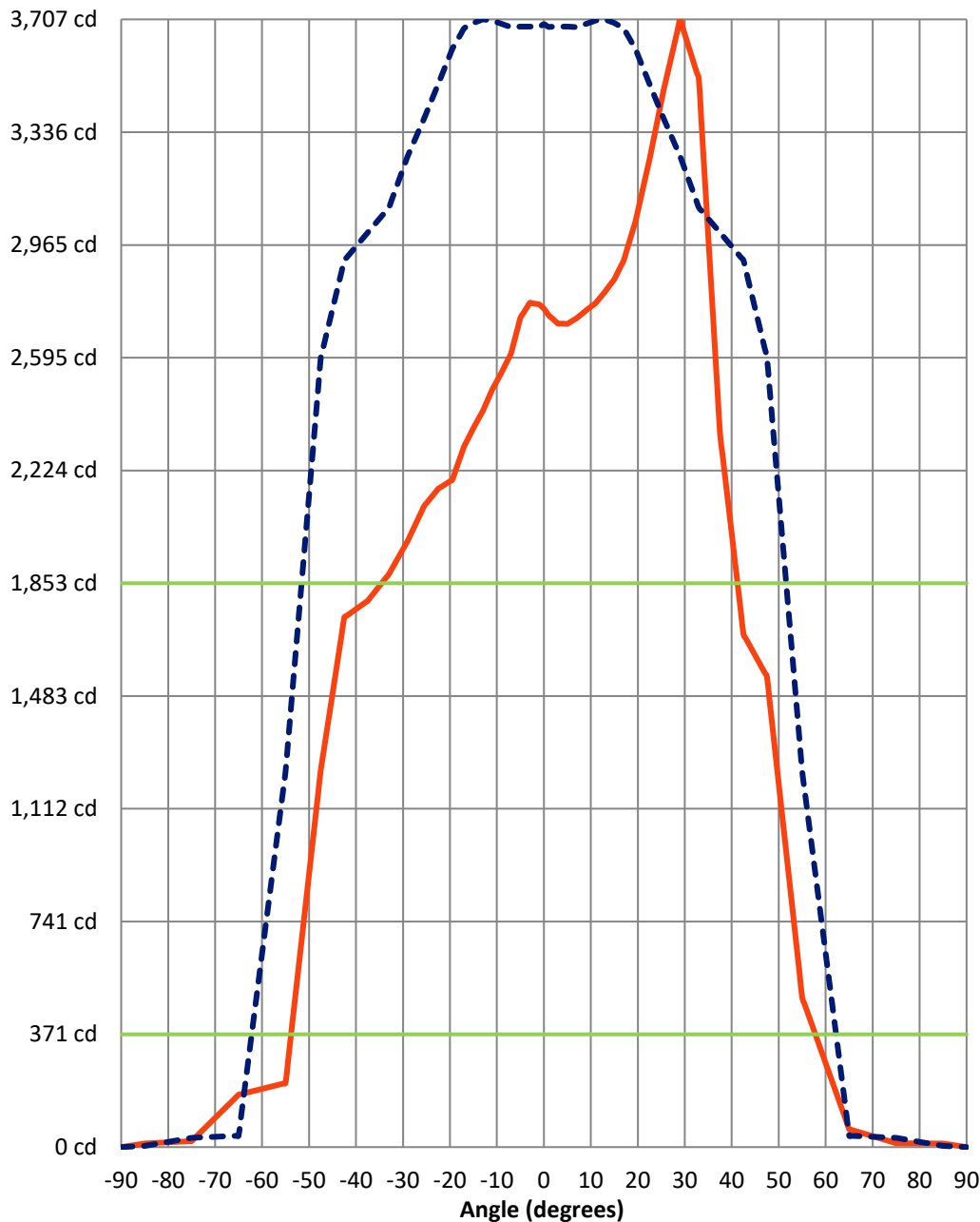
Luminous Intensity Polar Plot



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Luminous Intensity Plot



Beam:
 H Angle: 103.2°
 V Angle: 75.8°
 Lumens: 4928
 Efficiency: 73.1%

Field:
 H Angle: 124.4°
 V Angle: 111.6°
 Lumens: 6549.8
 Efficiency: 97.1%

Spill:
 Lumens: 195.2
 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 | 9.8 | 10.8 | 11.8 | 11.8 | 10.8 | 10.8 |
| 75° | 8.9 | 8.9 | 9.8 | 8.9 | 7.9 | 9.8 | 13.8 | 12.8 | 13.8 | 15.7 | 12.8 |
| 65° | 74.8 | 75.8 | 74.8 | 69.9 | 63.0 | 58.1 | 55.1 | 59.0 | 72.8 | 97.4 | 116.1 |
| 55° | 400.5 | 379.8 | 379.8 | 390.6 | 412.3 | 444.8 | 464.4 | 492.0 | 461.5 | 480.2 | 473.3 |
| 47.5° | 1560.6 | 1558.6 | 1562.6 | 1560.6 | 1561.6 | 1562.6 | 1557.6 | 1545.8 | 1529.1 | 1517.3 | 1486.8 |
| 42.5° | 1682.6 | 1685.6 | 1689.5 | 1693.4 | 1696.4 | 1694.4 | 1690.5 | 1685.6 | 1668.8 | 1653.1 | 1634.4 |
| 37.5° | 2290.7 | 2285.8 | 2308.4 | 2304.5 | 2307.4 | 2344.8 | 2337.9 | 2346.8 | 2319.2 | 2287.7 | 2213.0 |
| 33° | 3535.4 | 3534.4 | 3547.2 | 3529.5 | 3545.3 | 3551.2 | 3543.3 | 3509.8 | 3482.3 | 3430.1 | 3387.8 |
| 29° | 3690.9 | 3682.0 | 3683.0 | 3683.0 | 3681.1 | 3691.9 | 3702.7 | 3706.6 | 3694.8 | 3677.1 | 3609.2 |
| 25.5° | 3482.3 | 3491.2 | 3477.4 | 3476.4 | 3472.5 | 3473.4 | 3474.4 | 3474.4 | 3458.7 | 3439.0 | 3394.7 |
| 22.5° | 3268.8 | 3267.8 | 3266.8 | 3259.9 | 3258.0 | 3257.0 | 3256.0 | 3247.1 | 3242.2 | 3239.3 | 3208.8 |
| 19.5° | 3067.1 | 3076.9 | 3075.9 | 3074.9 | 3073.9 | 3068.0 | 3056.2 | 3042.5 | 3035.6 | 3036.6 | 3028.7 |
| 17° | 2960.8 | 2955.9 | 2957.8 | 2956.9 | 2956.9 | 2945.0 | 2927.3 | 2914.5 | 2900.8 | 2892.9 | 2880.1 |
| 15° | 2890.9 | 2891.9 | 2893.9 | 2889.9 | 2884.0 | 2878.1 | 2868.3 | 2852.6 | 2837.8 | 2823.0 | 2800.4 |
| 13° | 2850.6 | 2849.6 | 2848.6 | 2841.7 | 2838.8 | 2830.9 | 2820.1 | 2811.2 | 2797.4 | 2782.7 | 2757.1 |
| 11° | 2823.0 | 2821.1 | 2819.1 | 2813.2 | 2808.3 | 2798.4 | 2786.6 | 2773.8 | 2765.0 | 2758.1 | 2744.3 |
| 9° | 2778.8 | 2777.8 | 2779.7 | 2774.8 | 2773.8 | 2768.9 | 2758.1 | 2750.2 | 2743.3 | 2745.3 | 2742.3 |
| 7° | 2743.3 | 2744.3 | 2745.3 | 2742.3 | 2742.3 | 2738.4 | 2731.5 | 2724.6 | 2724.6 | 2733.5 | 2740.4 |
| 5° | 2715.8 | 2712.8 | 2712.8 | 2712.8 | 2713.8 | 2711.8 | 2709.9 | 2705.9 | 2709.9 | 2723.7 | 2743.3 |
| 3° | 2686.3 | 2685.3 | 2691.2 | 2694.1 | 2696.1 | 2701.0 | 2705.9 | 2706.9 | 2713.8 | 2736.4 | 2763.0 |
| 1° | 2672.5 | 2674.5 | 2677.4 | 2685.3 | 2693.1 | 2705.9 | 2721.7 | 2734.5 | 2740.4 | 2755.1 | 2761.0 |
| 0° | 2667.6 | 2669.5 | 2676.4 | 2690.2 | 2705.0 | 2725.6 | 2739.4 | 2756.1 | 2752.2 | 2755.1 | 2753.2 |
| -1° | 2691.2 | 2696.1 | 2699.1 | 2722.7 | 2741.4 | 2756.1 | 2768.9 | 2769.9 | 2759.1 | 2753.2 | 2743.3 |
| -3° | 2788.6 | 2786.6 | 2793.5 | 2796.5 | 2808.3 | 2806.3 | 2793.5 | 2774.8 | 2745.3 | 2723.7 | 2694.1 |
| -5° | 2828.0 | 2824.0 | 2820.1 | 2824.0 | 2819.1 | 2795.5 | 2768.9 | 2725.6 | 2681.3 | 2646.9 | 2617.4 |
| -7° | 2761.0 | 2764.0 | 2751.2 | 2751.2 | 2721.7 | 2695.1 | 2643.9 | 2608.5 | 2582.9 | 2572.1 | 2576.1 |
| -9° | 2624.3 | 2607.5 | 2608.5 | 2606.6 | 2600.7 | 2573.1 | 2557.4 | 2546.5 | 2540.6 | 2541.6 | 2546.5 |
| -11° | 2492.4 | 2491.4 | 2493.4 | 2486.5 | 2487.5 | 2488.5 | 2488.5 | 2489.5 | 2491.4 | 2493.4 | 2493.4 |
| -13° | 2416.6 | 2411.7 | 2414.7 | 2413.7 | 2416.6 | 2416.6 | 2419.6 | 2419.6 | 2422.6 | 2423.5 | 2416.6 |
| -15° | 2363.5 | 2361.5 | 2361.5 | 2363.5 | 2362.5 | 2359.6 | 2361.5 | 2363.5 | 2359.6 | 2353.7 | 2336.9 |
| -17° | 2261.2 | 2238.5 | 2259.2 | 2269.1 | 2275.9 | 2279.9 | 2284.8 | 2302.5 | 2297.6 | 2277.9 | 2257.2 |
| -19.5° | 2172.6 | 2170.7 | 2172.6 | 2174.6 | 2179.5 | 2186.4 | 2192.3 | 2193.3 | 2183.4 | 2167.7 | 2143.1 |
| -22.5° | 2137.2 | 2136.2 | 2139.2 | 2143.1 | 2148.0 | 2154.9 | 2160.8 | 2163.8 | 2156.9 | 2140.2 | 2112.6 |
| -25.5° | 2082.1 | 2083.1 | 2086.0 | 2089.0 | 2092.9 | 2096.9 | 2101.8 | 2106.7 | 2104.7 | 2089.0 | 2063.4 |
| -29° | 2009.3 | 2008.3 | 2010.3 | 2013.2 | 2017.2 | 2009.3 | 2001.4 | 1992.6 | 1982.7 | 1968.0 | 1939.4 |
| -33° | 1902.0 | 1902.0 | 1904.0 | 1907.9 | 1908.9 | 1904.0 | 1894.2 | 1883.3 | 1864.6 | 1842.0 | 1812.5 |
| -37.5° | 1797.7 | 1800.7 | 1806.6 | 1809.5 | 1812.5 | 1811.5 | 1807.6 | 1795.8 | 1776.1 | 1757.4 | 1734.8 |
| -42.5° | 1766.2 | 1767.2 | 1768.2 | 1768.2 | 1762.3 | 1756.4 | 1749.5 | 1740.7 | 1727.9 | 1722.0 | 1706.2 |
| -47.5° | 1260.5 | 1231.9 | 1250.6 | 1231.9 | 1238.8 | 1241.8 | 1237.8 | 1239.8 | 1218.2 | 1221.1 | 1209.3 |
| -55° | 213.5 | 215.5 | 217.5 | 222.4 | 221.4 | 215.5 | 209.6 | 210.6 | 220.4 | 230.3 | 227.3 |
| -65° | 170.2 | 170.2 | 169.2 | 168.3 | 167.3 | 168.3 | 169.2 | 172.2 | 173.2 | 176.1 | 180.1 |
| -75° | 16.7 | 16.7 | 15.7 | 13.8 | 11.8 | 17.7 | 19.7 | 19.7 | 19.7 | 20.7 | 21.6 |
| -85° | 1.0 | 2.0 | 3.9 | 6.9 | 8.9 | 10.8 | 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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CATALOG NUMBER: UFLD-S-CA1-50-760-U-66

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° | 9.8 | 9.8 | 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 | 18.7 | 18.7 | 10.8 | 6.9 | 3.9 | 3.9 | 2.0 | 3.0 |
| 65° | 97.4 | 56.1 | 34.4 | 25.6 | 18.7 | 16.7 | 12.8 | 10.8 | 12.8 | 3.9 | 3.0 |
| 55° | 424.1 | 380.8 | 362.1 | 326.7 | 317.8 | 305.0 | 256.8 | 40.3 | 24.6 | 6.9 | 3.0 |
| 47.5° | 1429.7 | 1359.9 | 1281.1 | 1206.4 | 1136.5 | 1047.9 | 893.5 | 121.0 | 31.5 | 8.9 | 3.9 |
| 42.5° | 1590.1 | 1510.4 | 1450.4 | 1383.5 | 1298.9 | 1243.7 | 1279.2 | 449.7 | 30.5 | 12.8 | 3.9 |
| 37.5° | 2194.3 | 2136.2 | 2025.0 | 1955.2 | 1853.8 | 1822.3 | 1827.2 | 748.8 | 26.6 | 18.7 | 3.9 |
| 33° | 3332.7 | 3168.4 | 3011.0 | 2912.6 | 2753.2 | 2678.4 | 2365.5 | 1003.7 | 30.5 | 24.6 | 3.9 |
| 29° | 3494.1 | 3380.9 | 3257.0 | 3087.7 | 3006.1 | 2914.5 | 2594.7 | 1234.9 | 37.4 | 30.5 | 3.9 |
| 25.5° | 3306.2 | 3204.8 | 3091.7 | 2977.5 | 2916.5 | 2824.0 | 2563.3 | 1379.5 | 45.3 | 36.4 | 4.9 |
| 22.5° | 3123.1 | 3017.9 | 2918.5 | 2841.7 | 2800.4 | 2763.0 | 2496.4 | 1483.8 | 54.1 | 40.3 | 4.9 |
| 19.5° | 2968.7 | 2875.2 | 2788.6 | 2724.6 | 2715.8 | 2690.2 | 2355.6 | 1566.5 | 64.0 | 44.3 | 4.9 |
| 17° | 2829.9 | 2759.1 | 2698.1 | 2656.7 | 2662.6 | 2575.1 | 2253.3 | 1635.4 | 72.8 | 47.2 | 4.9 |
| 15° | 2750.2 | 2695.1 | 2653.8 | 2643.0 | 2628.2 | 2487.5 | 2192.3 | 1687.5 | 78.7 | 50.2 | 4.9 |
| 13° | 2706.9 | 2653.8 | 2630.2 | 2642.0 | 2581.0 | 2409.8 | 2148.0 | 1738.7 | 84.6 | 52.2 | 4.9 |
| 11° | 2698.1 | 2640.0 | 2624.3 | 2615.4 | 2527.8 | 2374.3 | 2118.5 | 1785.9 | 90.5 | 53.1 | 4.9 |
| 9° | 2709.9 | 2653.8 | 2614.4 | 2559.3 | 2479.6 | 2359.6 | 2108.7 | 1826.3 | 92.5 | 54.1 | 4.9 |
| 7° | 2718.7 | 2667.6 | 2603.6 | 2505.2 | 2420.6 | 2344.8 | 2098.8 | 1854.8 | 90.5 | 55.1 | 5.9 |
| 5° | 2734.5 | 2676.4 | 2596.7 | 2455.0 | 2371.4 | 2318.3 | 2089.0 | 1873.5 | 86.6 | 55.1 | 5.9 |
| 3° | 2739.4 | 2662.6 | 2577.0 | 2411.7 | 2332.0 | 2303.5 | 2089.0 | 1890.2 | 84.6 | 54.1 | 5.9 |
| 1° | 2717.7 | 2628.2 | 2529.8 | 2376.3 | 2296.6 | 2280.9 | 2086.0 | 1899.1 | 82.7 | 53.1 | 5.9 |
| 0° | 2701.0 | 2603.6 | 2507.2 | 2356.6 | 2280.9 | 2265.1 | 2084.1 | 1901.0 | 81.7 | 54.1 | 5.9 |
| -1° | 2679.4 | 2579.0 | 2485.5 | 2343.8 | 2263.1 | 2251.3 | 2083.1 | 1905.0 | 81.7 | 52.2 | 5.9 |
| -3° | 2621.3 | 2523.9 | 2451.1 | 2313.3 | 2231.7 | 2224.8 | 2079.1 | 1898.1 | 81.7 | 50.2 | 5.9 |
| -5° | 2575.1 | 2499.3 | 2428.5 | 2290.7 | 2206.1 | 2196.2 | 2073.2 | 1885.3 | 81.7 | 49.2 | 5.9 |
| -7° | 2549.5 | 2481.6 | 2400.9 | 2259.2 | 2177.5 | 2161.8 | 2064.4 | 1861.7 | 81.7 | 47.2 | 5.9 |
| -9° | 2515.0 | 2443.2 | 2358.6 | 2215.9 | 2135.2 | 2116.5 | 2052.6 | 1835.1 | 81.7 | 46.2 | 5.9 |
| -11° | 2457.0 | 2379.3 | 2288.7 | 2164.8 | 2093.9 | 2059.5 | 2023.1 | 1800.7 | 81.7 | 45.3 | 5.9 |
| -13° | 2367.5 | 2293.7 | 2217.9 | 2111.6 | 2048.6 | 2012.2 | 1989.6 | 1755.4 | 79.7 | 45.3 | 5.9 |
| -15° | 2286.8 | 2211.0 | 2143.1 | 2067.3 | 2013.2 | 1973.9 | 1963.0 | 1703.3 | 78.7 | 45.3 | 5.9 |
| -17° | 2196.2 | 2125.4 | 2073.2 | 2021.1 | 1981.7 | 1942.4 | 1934.5 | 1642.3 | 77.7 | 46.2 | 5.9 |
| -19.5° | 2089.0 | 2029.9 | 2001.4 | 1970.9 | 1934.5 | 1903.0 | 1902.0 | 1558.6 | 76.8 | 46.2 | 5.9 |
| -22.5° | 2050.6 | 1992.6 | 1964.0 | 1937.5 | 1897.1 | 1868.6 | 1869.6 | 1442.5 | 73.8 | 46.2 | 5.9 |
| -25.5° | 1996.5 | 1938.4 | 1908.9 | 1887.3 | 1866.6 | 1839.1 | 1845.0 | 1310.7 | 70.8 | 45.3 | 5.9 |
| -29° | 1888.3 | 1841.0 | 1822.3 | 1799.7 | 1790.8 | 1801.7 | 1821.3 | 1141.4 | 69.9 | 43.3 | 5.9 |
| -33° | 1776.1 | 1740.7 | 1710.2 | 1666.9 | 1647.2 | 1696.4 | 1773.1 | 928.9 | 70.8 | 40.3 | 5.9 |
| -37.5° | 1708.2 | 1676.7 | 1629.5 | 1560.6 | 1502.5 | 1533.0 | 1625.5 | 699.6 | 70.8 | 34.4 | 5.9 |
| -42.5° | 1670.8 | 1653.1 | 1596.0 | 1538.9 | 1444.5 | 1302.8 | 1239.8 | 445.7 | 71.8 | 25.6 | 5.9 |
| -47.5° | 1206.4 | 1169.9 | 1145.4 | 1103.0 | 1031.2 | 866.9 | 680.9 | 147.6 | 68.9 | 14.8 | 5.9 |
| -55° | 248.0 | 247.0 | 267.6 | 246.0 | 191.9 | 137.8 | 142.7 | 48.2 | 56.1 | 9.8 | 5.9 |
| -65° | 202.7 | 219.4 | 161.4 | 101.3 | 59.0 | 42.3 | 57.1 | 41.3 | 23.6 | 6.9 | 4.9 |
| -75° | 21.6 | 20.7 | 15.7 | 17.7 | 19.7 | 17.7 | 16.7 | 10.8 | 7.9 | 5.9 | 3.9 |
| -85° | 10.8 | 10.8 | 10.8 | 9.8 | 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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CATALOG NUMBER: UFLD-S-CA1-50-760-U-66

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)