

Scaled data based on original data using
LM-79-2019 Approved Method: Electrical and Photometric Measurements of Solid-
State Lighting Products

Test Report Prepared for

Cooper Lighting Solutions

Brand: McGRAW-EDISON

Report Number: P634293

Luminaire Tested: GWS-SA3B-740-U-SL3-W-GRSBK

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P634293
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-32)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA3B-740-U-SL3-W-GRSBK
Description: GALLEON WALL SLIM LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III SPILL LIGHT ELIMINATOR OPTICS W/ FACTORY INSTALLED GLARE SHIELD, BK
Light Source: (48) 4000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6083.8 lumens
Efficiency: N/A
Efficacy: 89.1 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')
IES Classification: Type II - Short
BUG Rating: B1 - U0 - G1

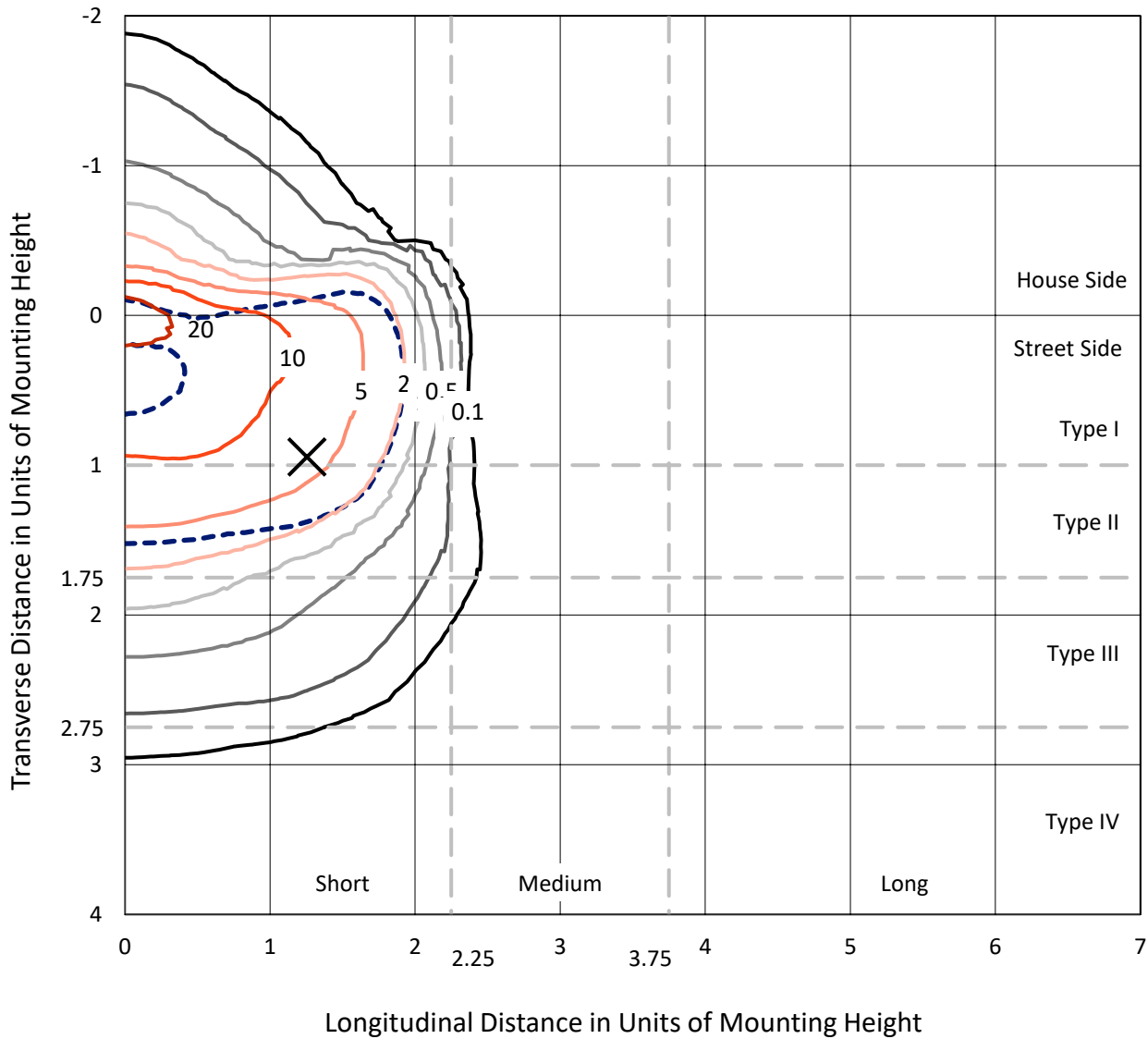
Input Watts (W): 68.3
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

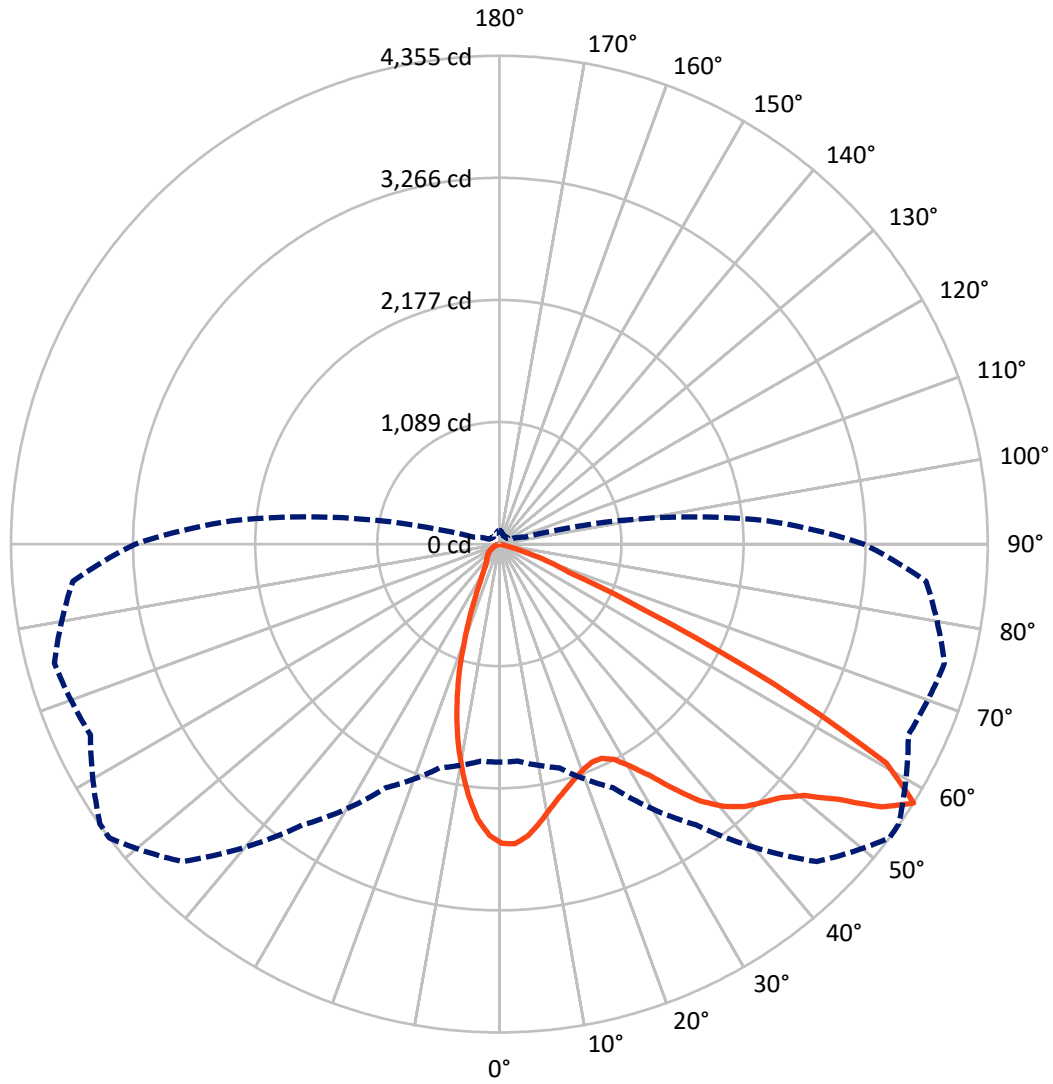
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 26.7 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 53-Deg Lateral - - - Horizontal Cone Through 57.5-Deg Vertical

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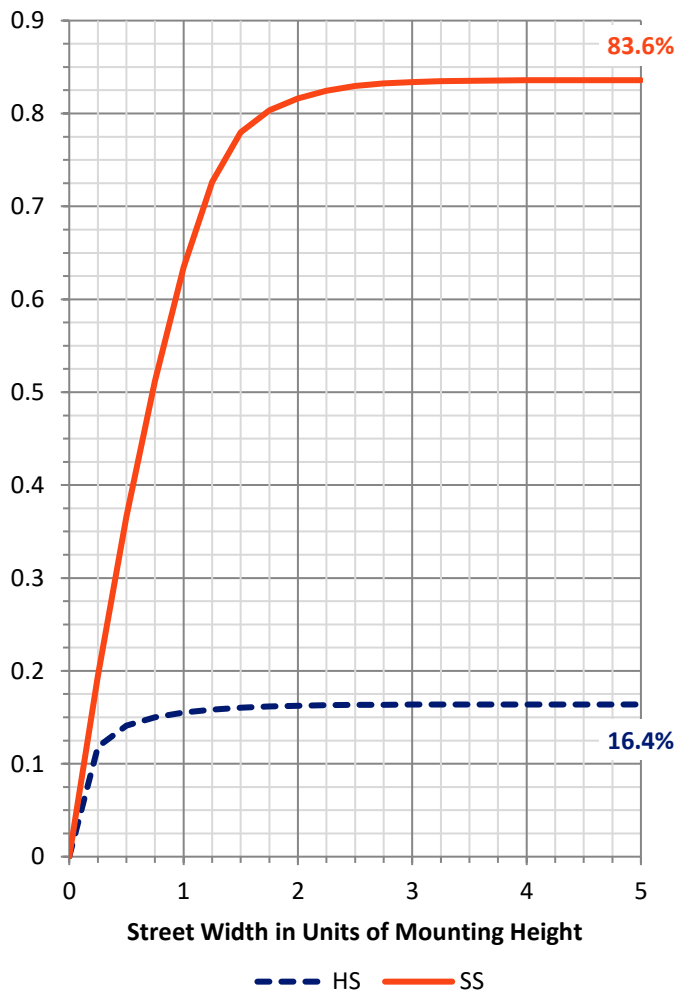
FLUX DISTRIBUTION:

| | | Downward | Upward | Total |
|--------------------|-----------|----------|--------|--------|
| House Side | Lumens | 1005.0 | 0.0 | 1005.0 |
| | % Fixture | 16.5 | 0.0 | 16.5 |
| Street Side | Lumens | 5078.8 | 0.0 | 5078.8 |
| | % Fixture | 83.5 | 0.0 | 83.5 |
| Total | Lumens | 6083.8 | 0.0 | 6083.8 |
| | % Fixture | 100.0 | 0.0 | 100.0 |

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 228.3 | 3.8 |
| 10°-20° | 501.3 | 8.2 |
| 20°-30° | 653.0 | 10.7 |
| 30°-40° | 947.2 | 15.6 |
| 40°-50° | 1366.8 | 22.5 |
| 50°-60° | 1653.0 | 27.2 |
| 60°-70° | 673.7 | 11.1 |
| 70°-80° | 60.5 | 1.0 |
| 80°-90° | 0.0 | 0.0 |
| 90°-100° | 0.0 | 0.0 |
| 100°-110° | 0.0 | 0.0 |
| 110°-120° | 0.0 | 0.0 |
| 120°-130° | 0.0 | 0.0 |
| 130°-140° | 0.0 | 0.0 |
| 140°-150° | 0.0 | 0.0 |
| 150°-160° | 0.0 | 0.0 |
| 160°-170° | 0.0 | 0.0 |
| 170°-180° | 0.0 | 0.0 |
| 0°-90° | 6083.8 | 100.0 |
| 0°-180° | 6083.8 | 100.0 |

Coefficient of Utilization



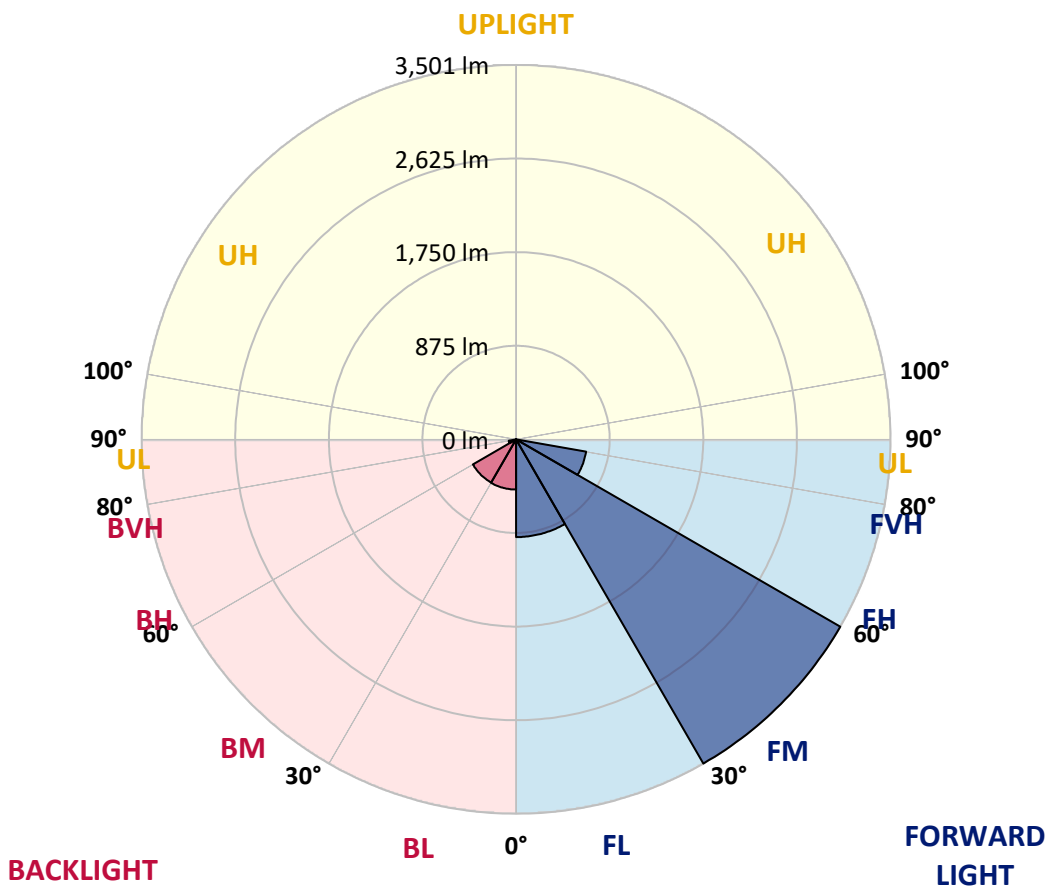
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

| Zone | Lumens | % Fixture | Zone Rating/Lumen Limit | | |
|----------------|--------|-----------|-------------------------|------|---------|
| | | | B | U | G |
| FL (0°-30°) | 913.6 | 15.0 | | | |
| FM (30°-60°) | 3500.5 | 57.5 | | | |
| FH (60°-80°) | 664.8 | 10.9 | | | G1/1800 |
| FVH (80°-90°) | 0.0 | 0.0 | | | G0/10 |
| BL (0°-30°) | 469.0 | 7.7 | B1/500 | | |
| BM (30°-60°) | 466.5 | 7.7 | B1/1000 | | |
| BH (60°-80°) | 69.5 | 1.1 | B0/110 | | G0/110 |
| BVH (80°-90°) | 0.0 | 0.0 | | | G0/10 |
| UL (90°-100°) | 0.0 | 0.0 | | U0/0 | |
| UH (100°-180°) | 0.0 | 0.0 | | U0/0 | |

BUG Rating: B1-U0-G1
 Type II Short





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CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 15° | 25° | 35° | 45° | 53° | 55° | 65° | 75° | 85° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 2668.7 | 2668.7 | 2668.7 | 2668.7 | 2668.7 | 2668.7 | 2668.7 | 2668.7 | 2668.7 | 2668.7 | 2668.7 |
| 2.5° | 2631.4 | 2637.4 | 2647.8 | 2661.2 | 2670.2 | 2674.7 | 2674.7 | 2687.3 | 2679.1 | 2672.4 | 2665.0 |
| 5° | 2518.8 | 2524.8 | 2539.0 | 2560.6 | 2582.2 | 2597.9 | 2615.8 | 2629.2 | 2634.4 | 2634.4 | 2621.7 |
| 7.5° | 2360.0 | 2368.2 | 2377.2 | 2407.0 | 2454.0 | 2489.0 | 2519.6 | 2539.0 | 2567.3 | 2576.2 | 2558.3 |
| 10° | 2189.2 | 2197.4 | 2217.6 | 2258.6 | 2312.3 | 2364.5 | 2416.7 | 2441.3 | 2489.7 | 2515.1 | 2495.0 |
| 12.5° | 2044.6 | 2048.3 | 2075.2 | 2124.4 | 2193.0 | 2264.6 | 2327.9 | 2353.3 | 2421.9 | 2459.9 | 2436.1 |
| 15° | 1925.3 | 1927.5 | 1954.4 | 2008.8 | 2087.8 | 2175.8 | 2255.6 | 2281.7 | 2366.0 | 2423.4 | 2387.6 |
| 17.5° | 1835.1 | 1835.8 | 1858.9 | 1917.8 | 2000.6 | 2098.3 | 2193.0 | 2225.0 | 2333.9 | 2403.2 | 2349.6 |
| 20° | 1789.6 | 1787.3 | 1803.7 | 1855.2 | 1933.5 | 2031.2 | 2143.0 | 2182.5 | 2316.0 | 2400.3 | 2320.5 |
| 22.5° | 1790.3 | 1785.1 | 1791.8 | 1828.3 | 1894.7 | 1986.4 | 2111.7 | 2156.4 | 2317.5 | 2412.9 | 2295.9 |
| 25° | 1832.8 | 1825.4 | 1826.9 | 1846.2 | 1893.2 | 1976.7 | 2116.2 | 2163.9 | 2347.3 | 2455.4 | 2286.9 |
| 27.5° | 1904.4 | 1896.2 | 1896.2 | 1905.9 | 1931.2 | 2007.3 | 2172.1 | 2226.5 | 2427.1 | 2538.2 | 2305.6 |
| 30° | 1996.9 | 1988.7 | 1985.7 | 1995.4 | 2016.3 | 2086.3 | 2296.6 | 2353.3 | 2563.6 | 2673.9 | 2365.2 |
| 32.5° | 2102.7 | 2093.1 | 2098.3 | 2111.7 | 2131.8 | 2228.8 | 2456.9 | 2532.2 | 2734.3 | 2856.6 | 2472.6 |
| 35° | 2214.6 | 2206.4 | 2230.3 | 2259.3 | 2290.7 | 2426.4 | 2678.4 | 2744.0 | 2943.8 | 3084.0 | 2636.6 |
| 37.5° | 2321.2 | 2317.5 | 2367.5 | 2428.6 | 2493.5 | 2663.5 | 2903.6 | 2954.3 | 3123.6 | 3331.6 | 2837.2 |
| 40° | 2427.9 | 2427.1 | 2512.9 | 2620.2 | 2723.9 | 2899.9 | 3074.3 | 3116.1 | 3233.2 | 3524.0 | 3029.6 |
| 42.5° | 2547.2 | 2547.2 | 2665.7 | 2808.9 | 2946.8 | 3099.7 | 3199.6 | 3218.2 | 3282.4 | 3635.1 | 3174.3 |
| 45° | 2661.2 | 2668.0 | 2805.2 | 2971.4 | 3134.7 | 3255.5 | 3286.1 | 3287.6 | 3302.5 | 3700.7 | 3294.3 |
| 47.5° | 2751.5 | 2757.4 | 2921.5 | 3113.1 | 3289.1 | 3374.1 | 3378.6 | 3371.9 | 3355.5 | 3763.3 | 3386.8 |
| 50° | 2824.5 | 2833.5 | 3005.0 | 3207.8 | 3395.0 | 3488.2 | 3522.5 | 3515.8 | 3474.0 | 3830.4 | 3451.6 |
| 52.5° | 2860.3 | 2873.0 | 3034.1 | 3254.8 | 3512.8 | 3683.5 | 3779.0 | 3794.6 | 3651.5 | 3867.7 | 3513.5 |
| 55° | 2574.0 | 2592.6 | 2741.0 | 3043.0 | 3578.4 | 3985.5 | 4135.4 | 4132.4 | 3843.9 | 3978.8 | 3664.2 |
| 57.5° | 1943.9 | 1942.4 | 2065.5 | 2395.8 | 3056.4 | 4002.7 | 4354.6 | 4348.7 | 4023.6 | 4107.8 | 3818.5 |
| 60° | 1323.5 | 1314.6 | 1347.4 | 1507.0 | 2137.0 | 3260.8 | 3963.2 | 4043.7 | 3896.1 | 3794.6 | 3242.1 |
| 62.5° | 1089.4 | 1081.2 | 1070.8 | 1026.8 | 1227.3 | 2031.2 | 2738.0 | 2860.3 | 2840.9 | 2637.4 | 2033.4 |
| 65° | 891.8 | 898.5 | 927.6 | 909.0 | 853.8 | 1041.7 | 1421.2 | 1493.5 | 1365.3 | 1149.1 | 710.6 |
| 67.5° | 657.7 | 660.7 | 698.7 | 797.1 | 767.3 | 693.5 | 668.9 | 680.8 | 398.9 | 183.4 | 118.6 |
| 70° | 388.5 | 390.7 | 425.8 | 557.8 | 622.6 | 532.4 | 451.9 | 445.2 | 158.1 | 49.2 | 53.7 |
| 72.5° | 220.0 | 215.5 | 222.2 | 265.5 | 339.3 | 282.6 | 232.6 | 211.8 | 47.7 | 27.6 | 27.6 |
| 75° | 104.4 | 101.4 | 87.2 | 82.0 | 74.6 | 47.7 | 29.8 | 25.4 | 11.9 | 11.2 | 11.2 |
| 77.5° | 0.7 | 2.2 | 1.5 | 2.2 | 2.2 | 1.5 | 0.7 | 0.7 | 2.2 | 2.2 | 3.0 |
| 80° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 82.5° | 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 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 87.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 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° | 95° | 105° | 115° | 125° | 135° | 145° | 155° | 165° | 175° | 180° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 2668.7 | 2668.7 | 2668.7 | 2668.7 | 2668.7 | 2668.7 | 2668.7 | 2668.7 | 2668.7 | 2668.7 | 2668.7 |
| 2.5° | 2651.6 | 2629.2 | 2624.0 | 2622.5 | 2601.6 | 2579.2 | 2556.1 | 2547.2 | 2533.7 | 2525.5 | 2532.2 |
| 5° | 2601.6 | 2569.5 | 2541.2 | 2515.1 | 2468.9 | 2418.2 | 2374.2 | 2345.8 | 2319.0 | 2301.1 | 2305.6 |
| 7.5° | 2530.8 | 2489.0 | 2424.1 | 2357.8 | 2272.8 | 2196.7 | 2111.7 | 2059.5 | 2011.0 | 1984.2 | 1996.9 |
| 10° | 2455.4 | 2400.3 | 2296.6 | 2184.0 | 2050.6 | 1931.2 | 1809.7 | 1710.5 | 1653.1 | 1598.7 | 1604.7 |
| 12.5° | 2381.6 | 2308.5 | 2153.5 | 1982.7 | 1814.2 | 1638.2 | 1454.8 | 1317.6 | 1223.6 | 1155.8 | 1145.3 |
| 15° | 2313.0 | 2219.1 | 2014.0 | 1788.8 | 1559.2 | 1325.0 | 1090.9 | 894.8 | 785.9 | 718.8 | 714.3 |
| 17.5° | 2251.9 | 2135.6 | 1869.4 | 1586.0 | 1298.2 | 998.4 | 729.3 | 582.4 | 519.7 | 490.6 | 487.7 |
| 20° | 2193.0 | 2051.3 | 1721.7 | 1380.2 | 1013.3 | 700.9 | 503.3 | 435.5 | 415.3 | 403.4 | 404.9 |
| 22.5° | 2136.3 | 1959.6 | 1566.6 | 1152.0 | 759.8 | 492.1 | 390.0 | 363.9 | 361.6 | 363.1 | 363.9 |
| 25° | 2088.6 | 1875.3 | 1407.1 | 932.1 | 542.1 | 375.1 | 325.9 | 318.4 | 325.1 | 334.8 | 336.3 |
| 27.5° | 2064.0 | 1806.7 | 1251.2 | 710.6 | 392.2 | 305.0 | 282.6 | 285.6 | 297.5 | 308.0 | 309.4 |
| 30° | 2070.7 | 1755.3 | 1090.1 | 515.2 | 302.0 | 257.3 | 249.8 | 255.8 | 267.7 | 277.4 | 278.9 |
| 32.5° | 2118.4 | 1729.2 | 925.4 | 375.1 | 248.3 | 224.4 | 221.5 | 225.9 | 236.4 | 243.8 | 244.6 |
| 35° | 2213.1 | 1735.1 | 768.8 | 287.1 | 213.3 | 199.8 | 199.1 | 202.1 | 207.3 | 212.5 | 213.3 |
| 37.5° | 2352.5 | 1783.6 | 614.4 | 238.6 | 193.1 | 183.4 | 180.4 | 180.4 | 184.2 | 186.4 | 187.9 |
| 40° | 2502.4 | 1856.7 | 492.1 | 211.0 | 179.0 | 168.5 | 162.6 | 160.3 | 163.3 | 166.3 | 167.0 |
| 42.5° | 2626.2 | 1929.8 | 399.7 | 191.6 | 167.8 | 153.6 | 146.1 | 144.7 | 148.4 | 153.6 | 155.1 |
| 45° | 2720.9 | 1986.4 | 333.3 | 176.0 | 155.1 | 139.4 | 131.2 | 131.2 | 137.9 | 146.9 | 148.4 |
| 47.5° | 2807.4 | 2031.9 | 284.1 | 161.8 | 143.2 | 126.8 | 118.6 | 120.1 | 131.2 | 143.2 | 145.4 |
| 50° | 2866.3 | 2068.4 | 247.6 | 149.1 | 133.5 | 116.3 | 108.9 | 111.8 | 125.3 | 139.4 | 141.7 |
| 52.5° | 2929.7 | 2113.2 | 223.7 | 137.9 | 124.5 | 108.1 | 101.4 | 103.6 | 118.6 | 134.2 | 137.2 |
| 55° | 3104.9 | 2263.1 | 223.0 | 123.0 | 108.9 | 96.9 | 94.0 | 94.7 | 109.6 | 127.5 | 131.2 |
| 57.5° | 3248.1 | 2395.0 | 237.9 | 103.6 | 91.0 | 85.0 | 83.5 | 84.3 | 97.7 | 117.8 | 122.3 |
| 60° | 2687.3 | 1861.2 | 196.9 | 85.8 | 76.1 | 74.6 | 72.3 | 73.8 | 86.5 | 104.4 | 108.1 |
| 62.5° | 1590.5 | 1064.1 | 94.0 | 65.6 | 64.9 | 63.4 | 61.1 | 64.1 | 76.1 | 91.7 | 94.0 |
| 65° | 543.6 | 315.4 | 59.7 | 53.7 | 55.2 | 52.9 | 50.7 | 53.7 | 64.1 | 73.1 | 73.8 |
| 67.5° | 104.4 | 83.5 | 47.7 | 44.7 | 45.5 | 41.0 | 40.3 | 43.2 | 49.2 | 50.7 | 50.0 |
| 70° | 54.4 | 48.5 | 36.5 | 36.5 | 35.0 | 29.1 | 29.1 | 32.1 | 32.1 | 29.8 | 29.1 |
| 72.5° | 28.3 | 26.8 | 23.9 | 26.8 | 22.4 | 17.9 | 17.9 | 19.4 | 17.9 | 14.9 | 14.9 |
| 75° | 11.2 | 11.2 | 10.4 | 13.4 | 9.7 | 8.2 | 7.5 | 8.9 | 6.7 | 5.2 | 5.2 |
| 77.5° | 3.0 | 3.0 | 3.0 | 3.7 | 2.2 | 2.2 | 1.5 | 1.5 | 0.7 | 0.0 | 0.0 |
| 80° | 0.0 | 0.7 | 0.0 | 0.7 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 82.5° | 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 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 87.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 90° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

(END OF REPORT)