

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: P530762

Luminaire Tested: **GLAN-SA6A-730-U-T2-GRSWH**

Issue Date: 5/27/2021

#### Test Information

Test Method: LM-79-08  
Report Number: P530762  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-14)  
Test Lab: INNOVATION CENTER  
Issue Date: 5/27/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: GLAN-SA6A-730-U-T2-GRSWH  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(6) 70 CRI, 3000K, 615mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II  
OPTICS WITH WHITE GLARE REDUCTION SHIELD  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

#### Summary

Lumens per Lamp: N/A  
Luminaire Lumens: 20716 lumens  
Efficiency: N/A  
Efficacy: 113.8 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')  
IES Classification: Type II - Short  
BUG Rating: B3 - U0 - G3

Input Watts (W): 182  
Input Voltage (V): NR  
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

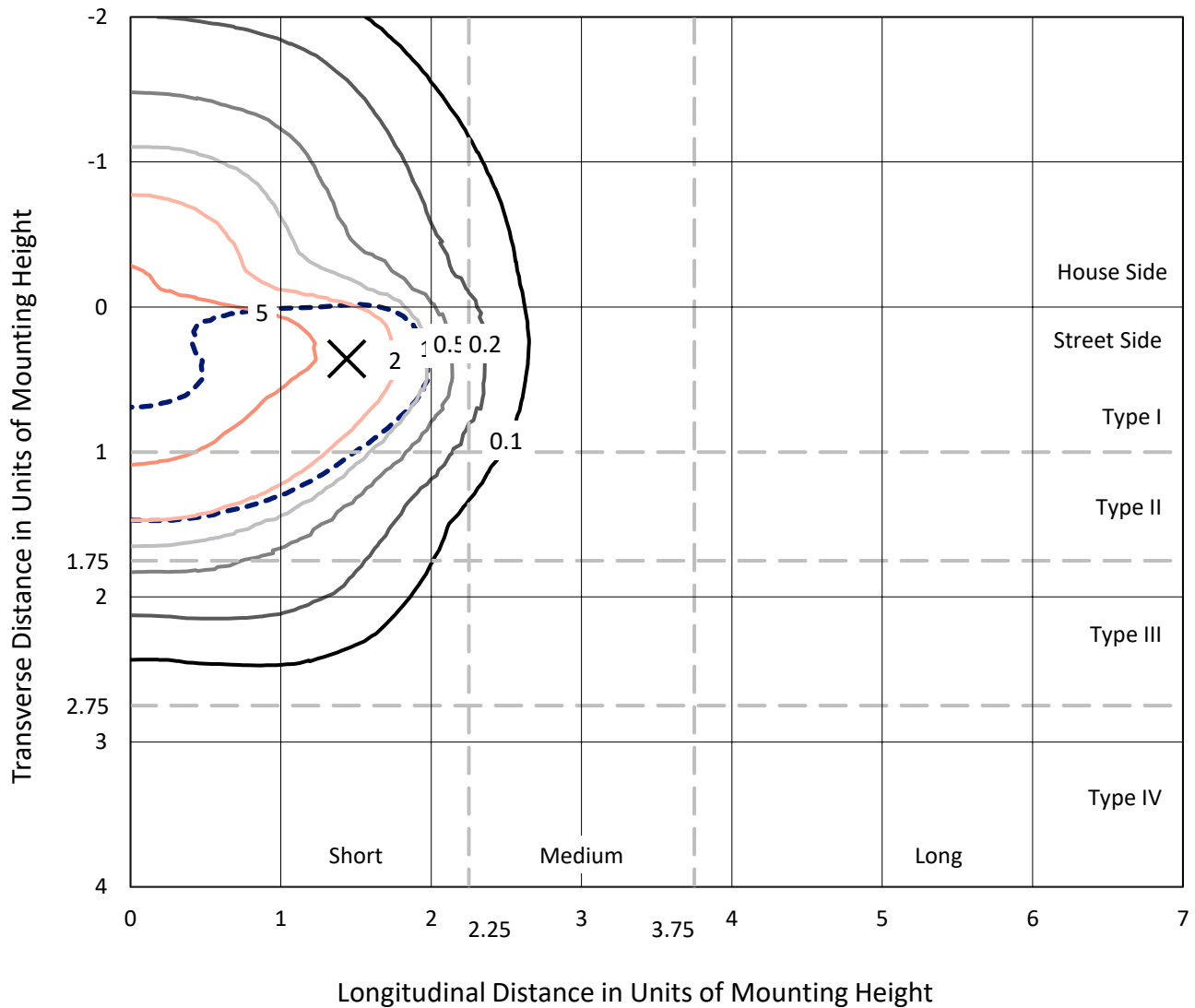


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## Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd  
 - - - 1/2 Max cd

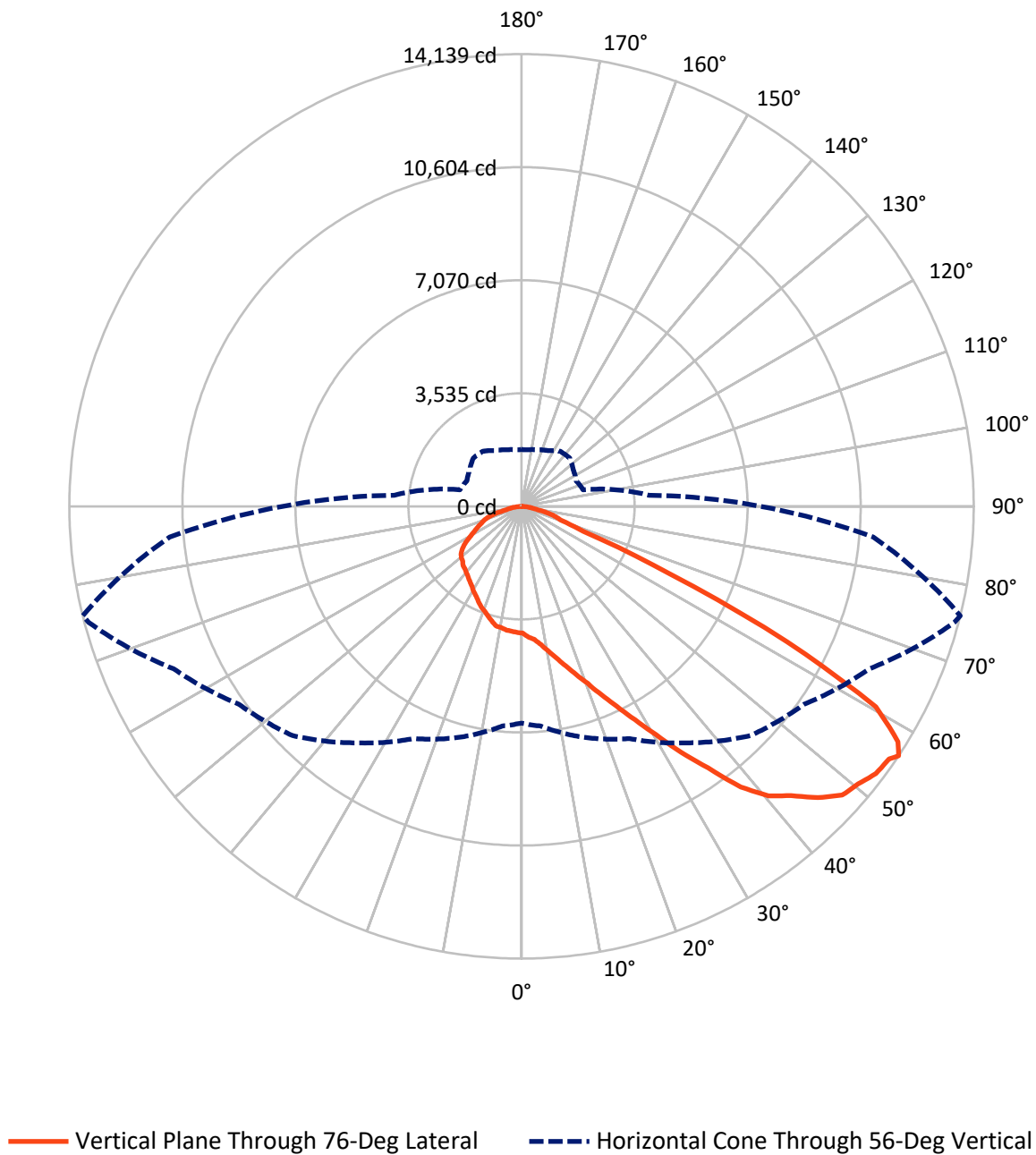


Based on 25 foot mounting height. Maximum calculated value = 8.8 fc  
 Type II - Short - N/A

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## Luminous Intensity Polar Plot



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**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total   |
|--------------------|-----------|----------|--------|---------|
| <b>House Side</b>  | Lumens    | 5569.9   | 0.0    | 5569.9  |
|                    | % Fixture | 26.9     | 0.0    | 26.9    |
| <b>Street Side</b> | Lumens    | 15146.1  | 0.0    | 15146.1 |
|                    | % Fixture | 73.1     | 0.0    | 73.1    |
| <b>Total</b>       | Lumens    | 20716.0  | 0.0    | 20716.0 |
|                    | % Fixture | 100.0    | 0.0    | 100.0   |

**ZONAL LUMENS:**

| Zone      | Lumens  | % Fixture |
|-----------|---------|-----------|
| 0°-10°    | 393.1   | 1.9       |
| 10°-20°   | 1234.8  | 6.0       |
| 20°-30°   | 2159.5  | 10.4      |
| 30°-40°   | 3381.2  | 16.3      |
| 40°-50°   | 4918.6  | 23.7      |
| 50°-60°   | 5405.9  | 26.1      |
| 60°-70°   | 2413.0  | 11.6      |
| 70°-80°   | 697.0   | 3.4       |
| 80°-90°   | 113.1   | 0.5       |
| 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°    | 20716.0 | 100.0     |
| 0°-180°   | 20716.0 | 100.0     |

**Coefficient of Utilization**



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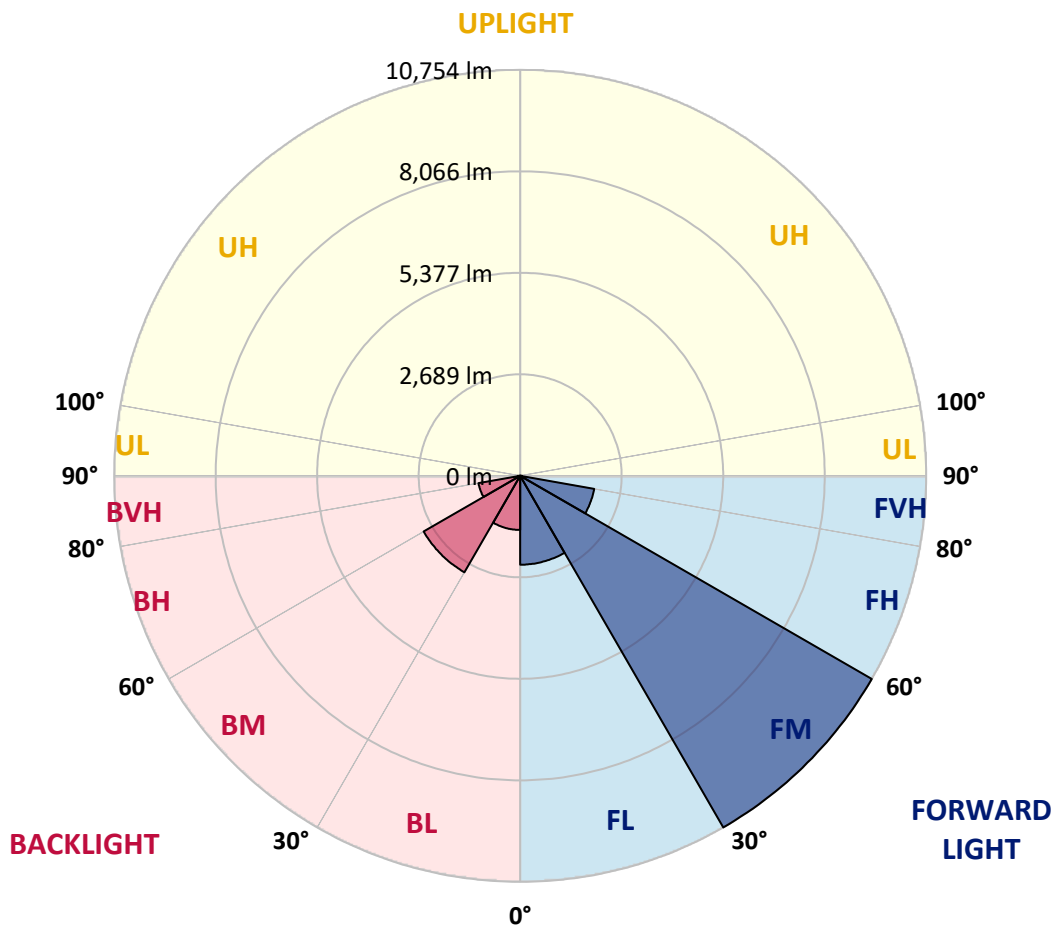
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

| Zone |             | Lumens  | % Fixture | Zone Rating/Lumen Limit |      |         |
|------|-------------|---------|-----------|-------------------------|------|---------|
|      |             |         |           | B                       | U    | G       |
| FL   | (0°-30°)    | 2354.1  | 11.4      |                         |      |         |
| FM   | (30°-60°)   | 10754.1 | 51.9      |                         |      |         |
| FH   | (60°-80°)   | 1989.2  | 9.6       |                         |      | G2/5000 |
| FVH  | (80°-90°)   | 48.7    | 0.2       |                         |      | G1/100  |
| BL   | (0°-30°)    | 1433.2  | 6.9       | B3/2500                 |      |         |
| BM   | (30°-60°)   | 2951.6  | 14.2      | B3/5000                 |      |         |
| BH   | (60°-80°)   | 1120.7  | 5.4       | B3/2500                 |      | G3/2500 |
| BVH  | (80°-90°)   | 64.4    | 0.3       |                         |      | G1/100  |
| UL   | (90°-100°)  | 0.0     | 0.0       |                         | U0/0 |         |
| UH   | (100°-180°) | 0.0     | 0.0       |                         | U0/0 |         |

**BUG Rating: B3-U0-G3**

Type II Short



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**CANDELA DISTRIBUTION (FULL):**

|       | 0°      | 5°      | 15°     | 25°     | 35°     | 45°     | 55°     | 65°     | 75°     | 76°     | 85°     |
|-------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 0°    | 3963.7  | 3963.7  | 3963.7  | 3963.7  | 3963.7  | 3963.7  | 3963.7  | 3963.7  | 3963.7  | 3963.7  | 3963.7  |
| 2.5°  | 4366.6  | 4296.7  | 4291.4  | 4272.6  | 4283.3  | 4235.0  | 4183.9  | 4116.8  | 4047.0  | 4090.0  | 3987.9  |
| 5°    | 4672.7  | 4578.7  | 4616.3  | 4551.9  | 4559.9  | 4495.5  | 4390.7  | 4312.9  | 4226.9  | 4175.9  | 4103.4  |
| 7.5°  | 4780.1  | 4788.2  | 4815.0  | 4804.3  | 4750.6  | 4750.6  | 4680.8  | 4543.8  | 4393.4  | 4363.9  | 4243.0  |
| 10°   | 4925.1  | 4927.8  | 4898.3  | 4906.3  | 4981.5  | 4946.6  | 4884.9  | 4825.8  | 4632.4  | 4597.5  | 4382.7  |
| 12.5° | 4976.2  | 4927.8  | 4976.2  | 5019.1  | 5107.7  | 5156.1  | 5142.7  | 5099.7  | 4892.9  | 4868.7  | 4554.5  |
| 15°   | 4984.2  | 4954.7  | 4995.0  | 5091.6  | 5169.5  | 5373.6  | 5475.7  | 5446.1  | 5172.2  | 5174.9  | 4747.9  |
| 17.5° | 4946.6  | 4986.9  | 5003.0  | 5086.3  | 5266.2  | 5456.9  | 5752.3  | 5792.5  | 5567.0  | 5532.0  | 4992.3  |
| 20°   | 4997.6  | 4968.1  | 4989.6  | 5064.8  | 5303.8  | 5601.9  | 5988.6  | 6254.4  | 5937.6  | 5913.4  | 5244.7  |
| 22.5° | 5193.7  | 5153.4  | 5148.0  | 5196.4  | 5368.2  | 5677.1  | 6238.3  | 6716.3  | 6388.7  | 6402.1  | 5558.9  |
| 25°   | 5346.8  | 5368.2  | 5349.4  | 5346.8  | 5454.2  | 5789.9  | 6568.6  | 7266.9  | 7001.0  | 6923.1  | 5929.5  |
| 27.5° | 5609.9  | 5661.0  | 5623.4  | 5674.4  | 5650.2  | 5959.0  | 6805.0  | 7876.5  | 7661.6  | 7556.9  | 6265.2  |
| 30°   | 5975.2  | 6002.0  | 5967.1  | 5967.1  | 5894.6  | 6195.4  | 7019.8  | 8512.9  | 8424.3  | 8282.0  | 6659.9  |
| 32.5° | 6455.8  | 6496.1  | 6426.3  | 6386.0  | 6375.3  | 6547.2  | 7406.5  | 9141.3  | 9291.7  | 9170.8  | 7183.6  |
| 35°   | 7092.3  | 7068.1  | 6984.9  | 6947.3  | 6802.3  | 7086.9  | 7981.2  | 9863.7  | 10258.5 | 10043.6 | 7817.4  |
| 37.5° | 7653.6  | 7616.0  | 7610.6  | 7401.1  | 7436.0  | 7669.7  | 8469.9  | 10411.5 | 11195.7 | 11133.9 | 8486.1  |
| 40°   | 8177.2  | 8212.1  | 8268.5  | 8150.4  | 8096.7  | 8354.5  | 9039.3  | 10830.5 | 11923.4 | 11899.3 | 9001.7  |
| 42.5° | 8738.5  | 8706.3  | 8805.6  | 8706.3  | 8625.7  | 8990.9  | 9656.9  | 11120.5 | 12562.6 | 12363.9 | 9541.4  |
| 45°   | 9552.2  | 9450.1  | 9485.0  | 9493.1  | 9434.0  | 9568.3  | 9912.0  | 11330.0 | 13011.1 | 12989.6 | 9936.2  |
| 47.5° | 10231.6 | 10234.3 | 10175.2 | 10129.6 | 9949.6  | 10083.9 | 10196.7 | 11461.5 | 13526.7 | 13491.8 | 10089.3 |
| 50°   | 10484.0 | 10449.1 | 10621.0 | 10720.4 | 10731.1 | 10457.2 | 10419.6 | 11534.1 | 13797.9 | 13644.8 | 10242.3 |
| 52.5° | 9576.4  | 9608.6  | 9879.8  | 10470.6 | 10811.7 | 10841.2 | 10680.1 | 11684.4 | 13908.0 | 13875.8 | 10365.9 |
| 55°   | 7707.3  | 7863.0  | 8308.8  | 8990.9  | 9799.2  | 10688.1 | 10962.1 | 11840.2 | 13967.1 | 13940.2 | 10913.7 |
| 56°   | 6775.4  | 6896.3  | 7476.3  | 8010.7  | 9025.8  | 10132.2 | 10784.8 | 12006.7 | 14012.7 | 14139.0 | 11042.6 |
| 57.5° | 5454.2  | 5593.8  | 6010.1  | 6617.0  | 7814.7  | 9074.2  | 10296.1 | 11802.6 | 13835.5 | 13883.8 | 11136.6 |
| 60°   | 3410.5  | 3424.0  | 3923.5  | 4323.6  | 5166.8  | 6396.8  | 7857.7  | 10269.2 | 12804.3 | 12734.5 | 10003.3 |
| 62.5° | 2237.0  | 2239.7  | 2693.5  | 3021.1  | 3405.2  | 3687.1  | 4624.4  | 6810.3  | 9447.5  | 9323.9  | 7121.8  |
| 65°   | 1571.0  | 1605.9  | 1957.7  | 2395.4  | 2551.2  | 2403.5  | 2373.9  | 3590.5  | 5276.9  | 5099.7  | 3826.8  |
| 67.5° | 1149.4  | 1152.1  | 1463.6  | 1933.5  | 2159.1  | 1828.8  | 1485.1  | 1753.6  | 2089.3  | 2083.9  | 1772.4  |
| 70°   | 760.0   | 792.2   | 1031.2  | 1444.8  | 1702.6  | 1468.9  | 1213.8  | 1254.1  | 1329.3  | 1329.3  | 1318.6  |
| 72.5° | 443.1   | 472.6   | 631.1   | 915.7   | 956.0   | 918.4   | 961.4   | 1074.2  | 1122.5  | 1119.8  | 1106.4  |
| 75°   | 252.4   | 265.9   | 300.8   | 381.3   | 475.3   | 561.3   | 706.3   | 813.7   | 862.0   | 891.6   | 856.7   |
| 77.5° | 147.7   | 155.8   | 177.2   | 217.5   | 247.1   | 303.5   | 384.0   | 459.2   | 523.7   | 515.6   | 521.0   |
| 80°   | 77.9    | 77.9    | 99.4    | 128.9   | 171.9   | 214.8   | 255.1   | 298.1   | 333.0   | 341.1   | 349.1   |
| 82.5° | 45.7    | 48.3    | 64.5    | 94.0    | 123.5   | 153.1   | 196.0   | 225.6   | 257.8   | 260.5   | 265.9   |
| 85°   | 24.2    | 26.9    | 40.3    | 61.8    | 83.2    | 94.0    | 96.7    | 91.3    | 99.4    | 94.0    | 107.4   |
| 87.5° | 8.1     | 8.1     | 13.4    | 10.7    | 10.7    | 13.4    | 16.1    | 16.1    | 21.5    | 21.5    | 21.5    |
| 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°    | 95°    | 105°   | 115°   | 125°   | 135°   | 145°   | 155°   | 165°   | 175°   | 180°   |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 3963.7 | 3963.7 | 3963.7 | 3963.7 | 3963.7 | 3963.7 | 3963.7 | 3963.7 | 3963.7 | 3963.7 | 3963.7 |
| 2.5°  | 3985.2 | 3985.2 | 3939.6 | 3853.6 | 3840.2 | 3805.3 | 3773.1 | 3770.4 | 3746.2 | 3724.7 | 3714.0 |
| 5°    | 4060.4 | 3977.2 | 3910.0 | 3832.2 | 3740.8 | 3697.9 | 3649.5 | 3595.8 | 3574.3 | 3595.8 | 3593.1 |
| 7.5°  | 4146.4 | 4076.5 | 3875.1 | 3730.1 | 3625.4 | 3582.4 | 3528.7 | 3472.3 | 3477.7 | 3477.7 | 3440.1 |
| 10°   | 4229.6 | 4135.6 | 3813.4 | 3628.1 | 3475.0 | 3442.8 | 3413.2 | 3434.7 | 3461.6 | 3466.9 | 3442.8 |
| 12.5° | 4369.2 | 4157.1 | 3783.8 | 3526.0 | 3429.3 | 3359.5 | 3378.3 | 3437.4 | 3493.8 | 3477.7 | 3496.5 |
| 15°   | 4474.0 | 4175.9 | 3649.5 | 3421.3 | 3300.4 | 3332.7 | 3399.8 | 3440.1 | 3534.1 | 3523.3 | 3542.1 |
| 17.5° | 4576.0 | 4186.6 | 3518.0 | 3281.6 | 3230.6 | 3319.2 | 3370.3 | 3485.7 | 3515.3 | 3579.7 | 3603.9 |
| 20°   | 4785.5 | 4208.1 | 3383.7 | 3195.7 | 3179.6 | 3281.6 | 3370.3 | 3424.0 | 3488.4 | 3544.8 | 3544.8 |
| 22.5° | 4892.9 | 4197.4 | 3295.1 | 3082.9 | 3133.9 | 3198.4 | 3278.9 | 3370.3 | 3370.3 | 3424.0 | 3426.6 |
| 25°   | 5027.2 | 4154.4 | 3155.4 | 3029.2 | 3066.8 | 3128.6 | 3219.9 | 3187.6 | 3222.6 | 3222.6 | 3265.5 |
| 27.5° | 5180.3 | 4063.1 | 3034.6 | 2932.5 | 3007.7 | 3074.9 | 3088.3 | 3066.8 | 3026.5 | 3021.1 | 3005.0 |
| 30°   | 5303.8 | 3950.3 | 2946.0 | 2900.3 | 2962.1 | 2999.7 | 2956.7 | 2911.0 | 2841.2 | 2835.8 | 2798.3 |
| 32.5° | 5473.0 | 3810.7 | 2835.8 | 2819.7 | 2889.6 | 2892.2 | 2878.8 | 2809.0 | 2706.9 | 2664.0 | 2621.0 |
| 35°   | 5757.6 | 3730.1 | 2752.6 | 2776.8 | 2798.3 | 2790.2 | 2766.0 | 2690.8 | 2588.8 | 2570.0 | 2553.9 |
| 37.5° | 5967.1 | 3671.0 | 2666.7 | 2696.2 | 2715.0 | 2725.7 | 2653.2 | 2570.0 | 2572.7 | 2535.1 | 2524.3 |
| 40°   | 6203.4 | 3633.4 | 2596.8 | 2610.3 | 2613.0 | 2647.9 | 2559.2 | 2519.0 | 2537.8 | 2513.6 | 2529.7 |
| 42.5° | 6506.9 | 3644.2 | 2524.3 | 2513.6 | 2564.6 | 2551.2 | 2508.2 | 2454.5 | 2465.3 | 2392.7 | 2403.5 |
| 45°   | 6668.0 | 3716.7 | 2481.4 | 2433.0 | 2489.4 | 2486.7 | 2430.3 | 2379.3 | 2314.9 | 2175.2 | 2180.6 |
| 47.5° | 6775.4 | 3735.5 | 2379.3 | 2347.1 | 2406.2 | 2441.1 | 2376.6 | 2258.5 | 2167.2 | 2067.8 | 2043.6 |
| 50°   | 6885.5 | 3770.4 | 2331.0 | 2263.8 | 2288.0 | 2371.3 | 2290.7 | 2177.9 | 2089.3 | 2000.7 | 2014.1 |
| 52.5° | 6982.2 | 3837.5 | 2237.0 | 2137.6 | 2180.6 | 2271.9 | 2228.9 | 2092.0 | 1995.3 | 1922.8 | 1901.3 |
| 55°   | 7411.9 | 3987.9 | 2078.5 | 1949.6 | 2051.7 | 2167.2 | 2143.0 | 1976.5 | 1871.8 | 1834.2 | 1828.8 |
| 56°   | 7479.0 | 3993.3 | 1995.3 | 1885.2 | 1979.2 | 2132.3 | 2102.7 | 1925.5 | 1831.5 | 1772.4 | 1775.1 |
| 57.5° | 7489.8 | 3928.8 | 1877.1 | 1826.1 | 1906.7 | 2081.2 | 2043.6 | 1885.2 | 1756.3 | 1702.6 | 1686.5 |
| 60°   | 6590.1 | 3066.8 | 1729.4 | 1697.2 | 1791.2 | 1925.5 | 1912.0 | 1775.1 | 1630.1 | 1568.3 | 1597.8 |
| 62.5° | 4492.8 | 2247.7 | 1614.0 | 1608.6 | 1656.9 | 1788.5 | 1753.6 | 1630.1 | 1509.2 | 1468.9 | 1450.1 |
| 65°   | 2615.6 | 1705.3 | 1501.2 | 1479.7 | 1520.0 | 1589.8 | 1614.0 | 1485.1 | 1358.8 | 1332.0 | 1323.9 |
| 67.5° | 1544.1 | 1409.9 | 1356.2 | 1321.2 | 1307.8 | 1350.8 | 1369.6 | 1294.4 | 1168.2 | 1130.6 | 1162.8 |
| 70°   | 1291.7 | 1254.1 | 1256.8 | 1197.7 | 1165.5 | 1136.0 | 1119.8 | 1052.7 | 948.0  | 899.6  | 886.2  |
| 72.5° | 1114.5 | 1098.4 | 1087.6 | 1033.9 | 1004.4 | 937.2  | 867.4  | 800.3  | 722.4  | 682.1  | 684.8  |
| 75°   | 851.3  | 845.9  | 851.3  | 824.4  | 773.4  | 719.7  | 655.3  | 569.3  | 510.2  | 459.2  | 470.0  |
| 77.5° | 507.6  | 523.7  | 531.7  | 521.0  | 499.5  | 451.2  | 410.9  | 354.5  | 298.1  | 257.8  | 252.4  |
| 80°   | 349.1  | 362.5  | 376.0  | 362.5  | 341.1  | 306.1  | 263.2  | 220.2  | 179.9  | 158.4  | 153.1  |
| 82.5° | 265.9  | 279.3  | 287.3  | 273.9  | 247.1  | 209.5  | 179.9  | 150.4  | 118.2  | 96.7   | 91.3   |
| 85°   | 96.7   | 110.1  | 107.4  | 128.9  | 139.6  | 134.3  | 115.5  | 88.6   | 67.1   | 48.3   | 45.7   |
| 87.5° | 26.9   | 24.2   | 26.9   | 26.9   | 26.9   | 24.2   | 21.5   | 21.5   | 21.5   | 13.4   | 10.7   |
| 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)