

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: P531466

Luminaire Tested: **GLAN-SA6D-730-U-T2R-GRSWH**

Issue Date: 5/27/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P531466  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-10)  
Test Lab: INNOVATION CENTER  
Issue Date: 5/27/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: GLAN-SA6D-730-U-T2R-GRSWH  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(6) 70 CRI, 3000K, 1200mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II  
ROADWAY OPTICS WITH WHITE GLARE REDUCTION SHIELD  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 36712 lumens  
Efficiency: N/A  
Efficacy: 99.8 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): 368  
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



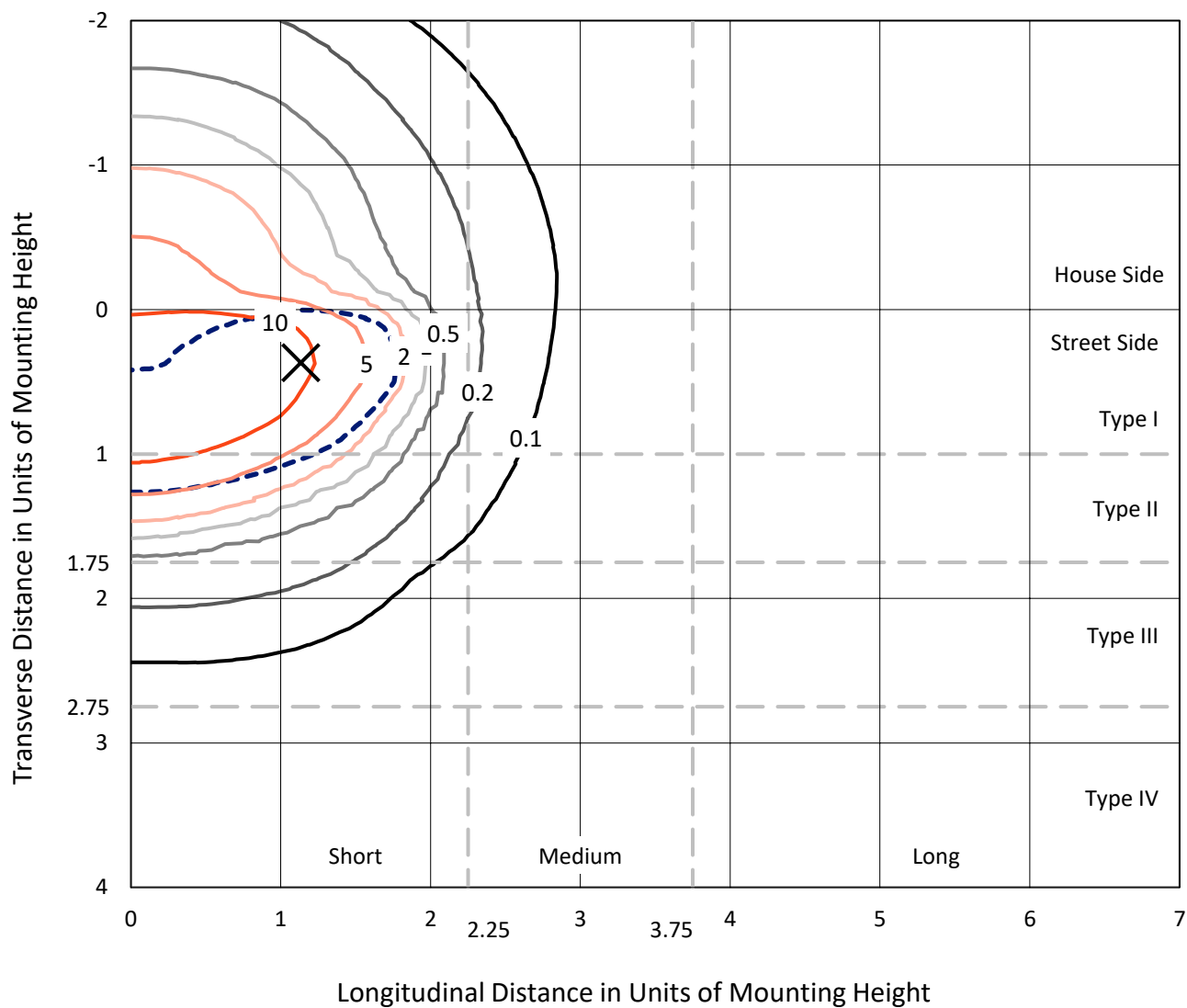
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## Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd

--- 1/2 Max cd

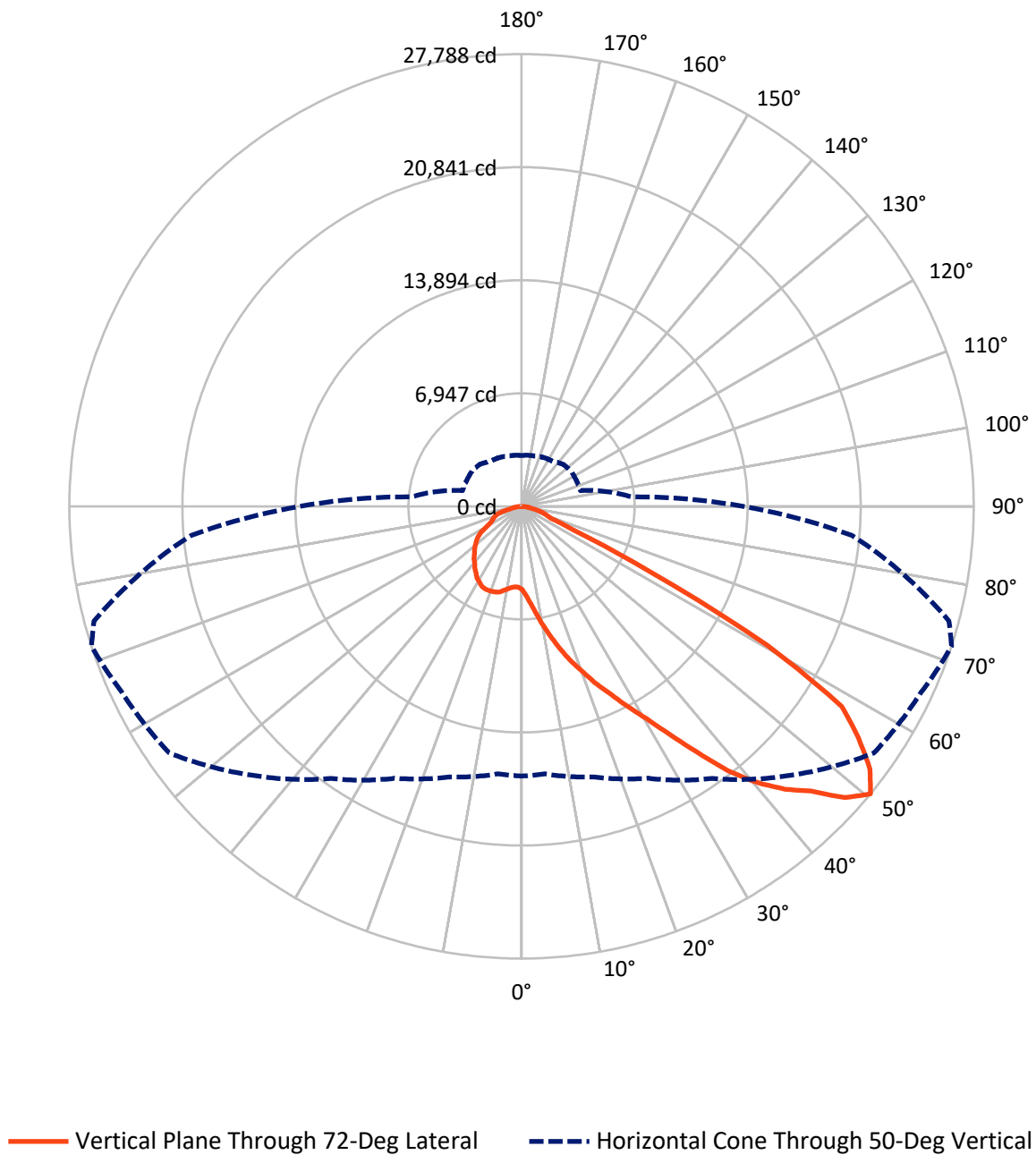


Based on 25 foot mounting height. Maximum calculated value = 18.3 fc  
 Type II - Short - N/A

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## Luminous Intensity Polar Plot



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**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total   |
|--------------------|-----------|----------|--------|---------|
| <b>House Side</b>  | Lumens    | 8410.9   | 0.0    | 8410.9  |
|                    | % Fixture | 22.9     | 0.0    | 22.9    |
| <b>Street Side</b> | Lumens    | 28301.1  | 0.0    | 28301.1 |
|                    | % Fixture | 77.1     | 0.0    | 77.1    |
| <b>Total</b>       | Lumens    | 36712.0  | 0.0    | 36712.0 |
|                    | % Fixture | 100.0    | 0.0    | 100.0   |

**ZONAL LUMENS:**

| Zone      | Lumens  | % Fixture |
|-----------|---------|-----------|
| 0°-10°    | 601.1   | 1.6       |
| 10°-20°   | 2247.3  | 6.1       |
| 20°-30°   | 4357.3  | 11.9      |
| 30°-40°   | 7218.5  | 19.7      |
| 40°-50°   | 10100.3 | 27.5      |
| 50°-60°   | 8520.9  | 23.2      |
| 60°-70°   | 2597.1  | 7.1       |
| 70°-80°   | 911.2   | 2.5       |
| 80°-90°   | 158.4   | 0.4       |
| 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°    | 36712.0 | 100.0     |
| 0°-180°   | 36712.0 | 100.0     |

**Coefficient of Utilization**



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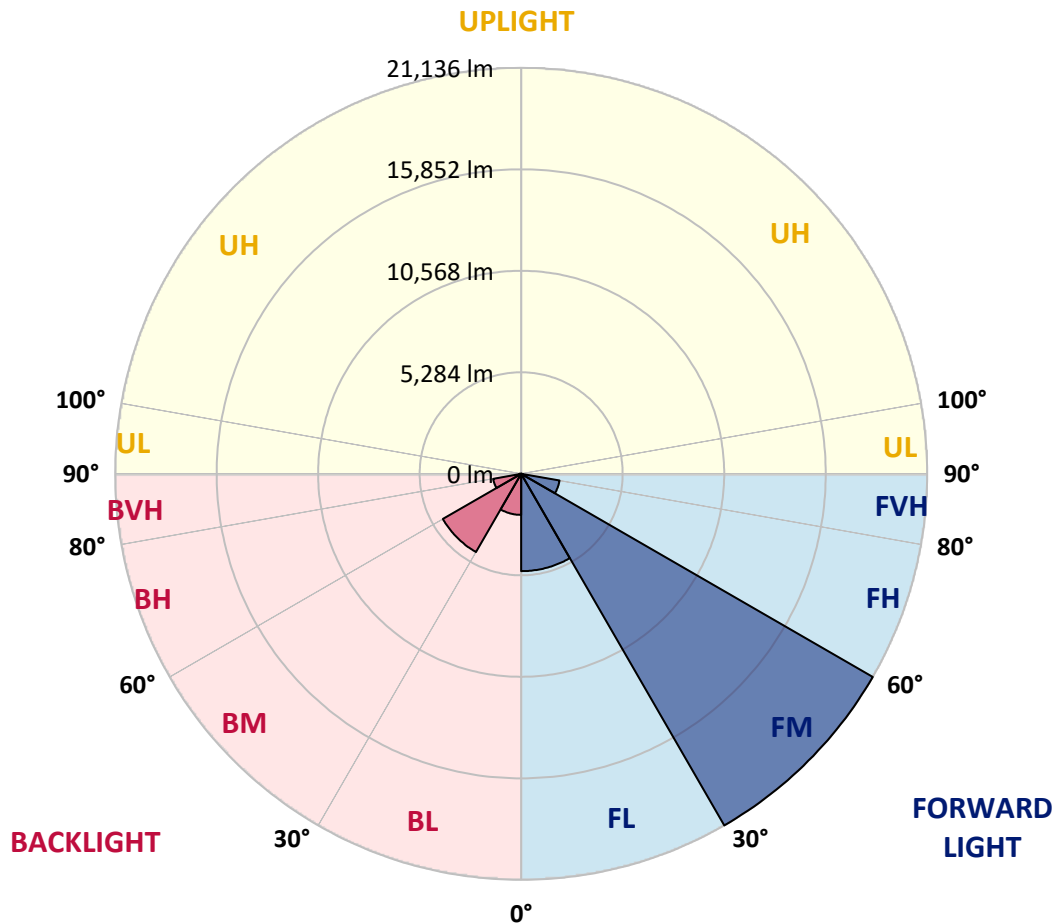
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

| Zone |             | Lumens  | % Fixture | Zone Rating/Lumen Limit |      |         |
|------|-------------|---------|-----------|-------------------------|------|---------|
|      |             |         |           | B                       | U    | G       |
| FL   | (0°-30°)    | 5067.6  | 13.8      |                         |      |         |
| FM   | (30°-60°)   | 21136.1 | 57.6      |                         |      |         |
| FH   | (60°-80°)   | 2026.4  | 5.5       |                         |      | G2/5000 |
| FVH  | (80°-90°)   | 71.0    | 0.2       |                         |      | G1/100  |
| BL   | (0°-30°)    | 2138.1  | 5.8       | B3/2500                 |      |         |
| BM   | (30°-60°)   | 4703.5  | 12.8      | B3/5000                 |      |         |
| BH   | (60°-80°)   | 1481.9  | 4.0       | B3/2500                 |      | G3/2500 |
| BVH  | (80°-90°)   | 87.5    | 0.2       |                         |      | 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°     | 72°     | 75°     | 85°     |
|-------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 0°    | 5110.6  | 5110.6  | 5110.6  | 5110.6  | 5110.6  | 5110.6  | 5110.6  | 5110.6  | 5110.6  | 5110.6  | 5110.6  |
| 2.5°  | 6573.4  | 6532.5  | 6409.9  | 6369.0  | 6223.6  | 5960.1  | 5869.3  | 5601.2  | 5487.7  | 5383.2  | 5260.5  |
| 5°    | 8313.3  | 8122.5  | 8108.9  | 7877.2  | 7541.0  | 7345.7  | 6764.2  | 6373.5  | 6014.6  | 5832.9  | 5496.8  |
| 7.5°  | 9421.7  | 9426.3  | 9426.3  | 9235.5  | 8967.4  | 8472.3  | 7949.9  | 7245.7  | 6705.1  | 6437.1  | 5864.7  |
| 10°   | 10475.6 | 10384.8 | 10334.8 | 10316.6 | 10134.9 | 9653.4  | 9094.6  | 8222.4  | 7482.0  | 7168.5  | 6141.8  |
| 12.5° | 11220.7 | 11143.4 | 11257.0 | 11197.9 | 11066.2 | 10752.8 | 10225.8 | 9230.9  | 8304.2  | 7881.7  | 6587.0  |
| 15°   | 11575.0 | 11629.5 | 11720.4 | 11883.9 | 11824.8 | 11706.7 | 11125.3 | 10266.7 | 9190.0  | 8713.0  | 6982.2  |
| 17.5° | 12120.1 | 11970.2 | 12079.2 | 12283.7 | 12447.2 | 12392.7 | 12061.1 | 11016.2 | 10066.8 | 9480.8  | 7513.8  |
| 20°   | 12501.7 | 12415.4 | 12469.9 | 12706.1 | 12828.8 | 13137.7 | 12965.1 | 11997.5 | 10907.2 | 10289.4 | 8140.7  |
| 22.5° | 13592.0 | 13464.8 | 13287.6 | 13324.0 | 13369.4 | 13587.4 | 13628.3 | 13074.1 | 11883.9 | 11229.7 | 8735.8  |
| 25°   | 14936.6 | 14818.5 | 14609.6 | 14396.1 | 14264.3 | 14223.4 | 14364.3 | 13919.1 | 12819.7 | 12142.8 | 9376.3  |
| 27.5° | 16417.6 | 16217.7 | 16086.0 | 15645.3 | 15291.0 | 15236.5 | 15168.3 | 14927.6 | 13928.2 | 13196.8 | 10098.6 |
| 30°   | 17857.7 | 17698.7 | 17521.5 | 16817.4 | 16449.4 | 16390.3 | 16054.2 | 16122.3 | 15132.0 | 14318.8 | 10916.3 |
| 32.5° | 18947.9 | 18961.5 | 18557.2 | 18025.7 | 17680.5 | 17367.0 | 17244.4 | 17439.7 | 16676.5 | 16022.4 | 11829.4 |
| 35°   | 19829.2 | 19870.1 | 19484.0 | 19002.4 | 18629.9 | 18848.0 | 18793.5 | 18884.3 | 18520.9 | 17721.4 | 12892.4 |
| 37.5° | 20687.8 | 20483.4 | 20070.0 | 19838.3 | 19643.0 | 20001.8 | 20465.2 | 20542.4 | 20610.6 | 19670.2 | 14128.0 |
| 40°   | 20828.6 | 20846.8 | 20606.0 | 20769.6 | 20524.3 | 21064.9 | 22141.5 | 22041.6 | 22318.7 | 21496.4 | 15468.2 |
| 42.5° | 20628.7 | 20669.6 | 20765.0 | 20996.7 | 21587.3 | 22236.9 | 23835.9 | 23427.1 | 23763.3 | 23031.9 | 16771.9 |
| 45°   | 20301.7 | 20133.6 | 20251.7 | 21133.0 | 22155.1 | 23599.7 | 25385.0 | 25067.0 | 24958.0 | 24344.7 | 18325.6 |
| 47.5° | 18739.0 | 18911.6 | 19279.5 | 20365.3 | 21900.7 | 23835.9 | 26484.4 | 26411.7 | 26738.8 | 26307.2 | 19738.4 |
| 50°   | 16572.0 | 16503.9 | 17212.6 | 18434.6 | 20415.2 | 23372.6 | 26425.3 | 27084.0 | 27788.2 | 27188.5 | 20369.8 |
| 52.5° | 12410.9 | 12774.3 | 13383.0 | 14900.3 | 17725.9 | 20846.8 | 25135.2 | 26234.5 | 26806.9 | 26679.7 | 19861.0 |
| 55°   | 7845.4  | 7954.4  | 8322.4  | 10125.8 | 12669.8 | 16731.0 | 21546.4 | 24094.9 | 25117.0 | 25594.0 | 19393.1 |
| 57.5° | 3811.4  | 3607.0  | 4056.7  | 5505.8  | 7318.4  | 11252.5 | 16617.5 | 20987.6 | 23209.0 | 24072.2 | 18375.5 |
| 60°   | 1989.7  | 2067.0  | 2244.1  | 2762.0  | 3784.1  | 5842.0  | 10357.5 | 13987.2 | 17380.7 | 18707.2 | 13928.2 |
| 62.5° | 1649.0  | 1676.3  | 1794.4  | 2053.3  | 2516.7  | 3361.7  | 5287.8  | 6818.7  | 8863.0  | 10057.7 | 7922.6  |
| 65°   | 1399.2  | 1412.8  | 1540.0  | 1712.6  | 2007.9  | 2366.8  | 2721.1  | 2848.3  | 3448.0  | 3538.8  | 2816.5  |
| 67.5° | 1167.5  | 1181.1  | 1317.4  | 1480.9  | 1671.7  | 1767.1  | 1858.0  | 1848.9  | 1917.1  | 1889.8  | 1885.3  |
| 70°   | 899.5   | 913.1   | 1053.9  | 1226.5  | 1321.9  | 1267.4  | 1549.1  | 1612.7  | 1639.9  | 1662.7  | 1699.0  |
| 72.5° | 649.6   | 676.9   | 785.9   | 908.6   | 858.6   | 985.8   | 1276.5  | 1371.9  | 1408.3  | 1421.9  | 1467.3  |
| 75°   | 472.4   | 481.5   | 508.8   | 472.4   | 545.1   | 686.0   | 899.5   | 1017.6  | 1063.0  | 1076.6  | 1144.8  |
| 77.5° | 209.0   | 213.5   | 218.1   | 272.6   | 349.8   | 427.0   | 536.0   | 631.4   | 695.0   | 713.2   | 731.4   |
| 80°   | 109.0   | 113.6   | 140.8   | 186.3   | 249.9   | 313.5   | 390.7   | 445.2   | 486.1   | 490.6   | 508.8   |
| 82.5° | 68.1    | 72.7    | 99.9    | 131.7   | 177.2   | 231.7   | 286.2   | 331.6   | 363.4   | 368.0   | 372.5   |
| 85°   | 31.8    | 40.9    | 59.1    | 81.8    | 118.1   | 149.9   | 154.5   | 131.7   | 140.8   | 145.4   | 136.3   |
| 87.5° | 9.1     | 13.6    | 18.2    | 13.6    | 18.2    | 18.2    | 22.7    | 27.3    | 27.3    | 27.3    | 31.8    |
| 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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**CANDELA DISTRIBUTION (continued):**

|       | 90°     | 95°    | 105°   | 115°   | 125°   | 135°   | 145°   | 155°   | 165°   | 175°   | 180°   |
|-------|---------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 5110.6  | 5110.6 | 5110.6 | 5110.6 | 5110.6 | 5110.6 | 5110.6 | 5110.6 | 5110.6 | 5110.6 | 5110.6 |
| 2.5°  | 5192.4  | 5151.5 | 4992.5 | 4933.5 | 4779.0 | 4806.3 | 4724.5 | 4719.9 | 4701.8 | 4697.2 | 4692.7 |
| 5°    | 5319.6  | 5192.4 | 5001.6 | 4856.2 | 4769.9 | 4760.8 | 4701.8 | 4701.8 | 4719.9 | 4733.6 | 4701.8 |
| 7.5°  | 5528.6  | 5383.2 | 5060.7 | 4924.4 | 4847.1 | 4833.5 | 4792.6 | 4760.8 | 4801.7 | 4788.1 | 4751.7 |
| 10°   | 5769.3  | 5514.9 | 5174.2 | 5056.1 | 4928.9 | 4897.1 | 4897.1 | 4910.7 | 4842.6 | 4865.3 | 4829.0 |
| 12.5° | 6037.3  | 5696.6 | 5319.6 | 5183.3 | 5033.4 | 5015.2 | 5006.1 | 4906.2 | 4942.5 | 4924.4 | 4833.5 |
| 15°   | 6378.1  | 5905.6 | 5505.8 | 5274.2 | 5147.0 | 5065.2 | 4947.1 | 4928.9 | 4906.2 | 4860.8 | 4819.9 |
| 17.5° | 6746.0  | 6132.7 | 5592.2 | 5301.4 | 5110.6 | 5051.6 | 4960.7 | 4865.3 | 4797.2 | 4806.3 | 4774.5 |
| 20°   | 7059.5  | 6341.7 | 5624.0 | 5328.7 | 5083.4 | 4969.8 | 4829.0 | 4769.9 | 4697.2 | 4692.7 | 4688.1 |
| 22.5° | 7432.0  | 6623.4 | 5669.4 | 5256.0 | 5001.6 | 4883.5 | 4788.1 | 4683.6 | 4633.6 | 4570.0 | 4601.8 |
| 25°   | 7877.2  | 6732.4 | 5678.5 | 5215.1 | 4942.5 | 4733.6 | 4683.6 | 4570.0 | 4551.9 | 4461.0 | 4479.2 |
| 27.5° | 8199.7  | 6791.5 | 5605.8 | 5087.9 | 4806.3 | 4647.3 | 4556.4 | 4474.6 | 4442.8 | 4374.7 | 4356.5 |
| 30°   | 8631.3  | 6882.3 | 5451.3 | 4928.9 | 4670.0 | 4492.8 | 4438.3 | 4420.1 | 4329.3 | 4256.6 | 4247.5 |
| 32.5° | 9121.9  | 6941.4 | 5351.4 | 4765.4 | 4529.1 | 4392.9 | 4420.1 | 4333.8 | 4220.2 | 4156.6 | 4138.5 |
| 35°   | 9512.6  | 6964.1 | 5101.5 | 4579.1 | 4433.7 | 4347.4 | 4315.6 | 4297.5 | 4133.9 | 4074.9 | 4029.4 |
| 37.5° | 10107.7 | 6914.1 | 4892.6 | 4447.4 | 4329.3 | 4297.5 | 4270.2 | 4147.6 | 3961.3 | 3875.0 | 3811.4 |
| 40°   | 10802.7 | 6900.5 | 4624.5 | 4261.1 | 4229.3 | 4265.7 | 4183.9 | 3993.1 | 3734.2 | 3638.8 | 3593.3 |
| 42.5° | 11470.5 | 6995.9 | 4456.5 | 4161.2 | 4120.3 | 4133.9 | 4020.4 | 3734.2 | 3607.0 | 3552.5 | 3479.8 |
| 45°   | 12588.0 | 7195.8 | 4179.4 | 4006.7 | 3988.6 | 3979.5 | 3843.2 | 3543.4 | 3470.7 | 3402.5 | 3388.9 |
| 47.5° | 13596.5 | 7064.0 | 4002.2 | 3847.7 | 3865.9 | 3815.9 | 3525.2 | 3429.8 | 3348.0 | 3279.9 | 3257.2 |
| 50°   | 13655.6 | 6750.6 | 3752.3 | 3725.1 | 3729.6 | 3643.3 | 3366.2 | 3302.6 | 3198.1 | 3152.7 | 3120.9 |
| 52.5° | 13346.7 | 6237.2 | 3520.7 | 3529.7 | 3543.4 | 3402.5 | 3170.9 | 3125.4 | 3039.1 | 2975.5 | 2957.3 |
| 55°   | 12479.0 | 5437.7 | 3293.5 | 3329.9 | 3366.2 | 3098.2 | 3025.5 | 2911.9 | 2843.8 | 2752.9 | 2757.5 |
| 57.5° | 10993.5 | 4379.2 | 2975.5 | 3034.6 | 3111.8 | 2816.5 | 2762.0 | 2621.2 | 2521.2 | 2448.6 | 2439.5 |
| 60°   | 7368.4  | 3116.3 | 2498.5 | 2521.2 | 2693.9 | 2575.8 | 2571.2 | 2430.4 | 2294.1 | 2230.5 | 2194.2 |
| 62.5° | 4347.4  | 2380.4 | 2157.8 | 2135.1 | 2130.6 | 2198.7 | 2312.3 | 2262.3 | 2085.1 | 1962.5 | 1998.8 |
| 65°   | 2275.9  | 2057.9 | 2007.9 | 1930.7 | 1885.3 | 1867.1 | 1953.4 | 1976.1 | 1858.0 | 1726.3 | 1717.2 |
| 67.5° | 1912.5  | 1912.5 | 1871.6 | 1844.4 | 1780.8 | 1703.5 | 1649.0 | 1576.3 | 1558.2 | 1521.8 | 1476.4 |
| 70°   | 1739.9  | 1785.3 | 1771.7 | 1708.1 | 1653.6 | 1567.3 | 1426.4 | 1308.3 | 1194.8 | 1153.9 | 1181.1 |
| 72.5° | 1517.3  | 1562.7 | 1562.7 | 1530.9 | 1458.2 | 1326.5 | 1190.2 | 1053.9 | 958.5  | 885.8  | 876.8  |
| 75°   | 1167.5  | 1190.2 | 1244.7 | 1208.4 | 1113.0 | 1031.2 | 890.4  | 749.6  | 658.7  | 590.6  | 576.9  |
| 77.5° | 745.0   | 781.4  | 781.4  | 776.8  | 708.7  | 631.4  | 540.6  | 440.6  | 372.5  | 322.5  | 308.9  |
| 80°   | 495.2   | 517.9  | 536.0  | 517.9  | 472.4  | 413.4  | 345.3  | 277.1  | 227.1  | 186.3  | 177.2  |
| 82.5° | 363.4   | 390.7  | 404.3  | 386.1  | 340.7  | 295.3  | 245.3  | 195.3  | 145.4  | 113.6  | 104.5  |
| 85°   | 140.8   | 145.4  | 163.5  | 195.3  | 190.8  | 186.3  | 149.9  | 109.0  | 81.8   | 59.1   | 54.5   |
| 87.5° | 36.3    | 31.8   | 36.3   | 36.3   | 31.8   | 27.3   | 27.3   | 27.3   | 27.3   | 13.6   | 18.2   |
| 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)