

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: P954745

Luminaire Tested: **GLAN-SB7D-930-U-AFL**

Issue Date: 1/21/2025

**Test Information**

Test Method: LM-79-08  
Report Number: P954745  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-14)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/21/2025  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: GLAN-SB7D-930-U-AFL  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(7) 90 CRI, 3000K, 900mA LIGHTSQUARES WITH 26 LEDS EACH AND AUTOMOTIVE  
FRONTLINE OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 51201 lumens  
Efficiency: N/A  
Efficacy: 99.8 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')  
IES Classification: Type II - Short  
BUG Rating: B4 - U0 - G4

Input Watts (W): 512.8  
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



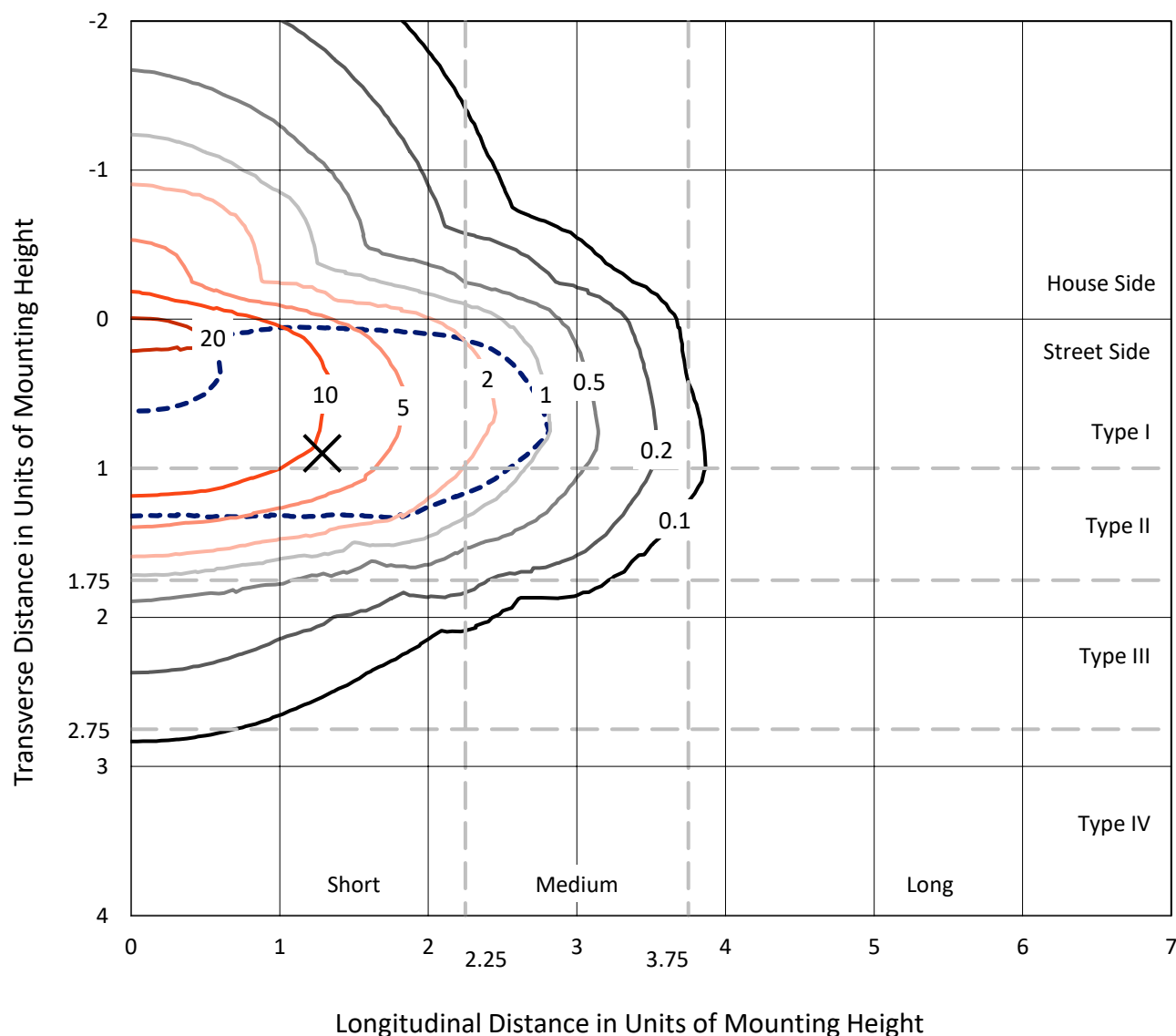
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## Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

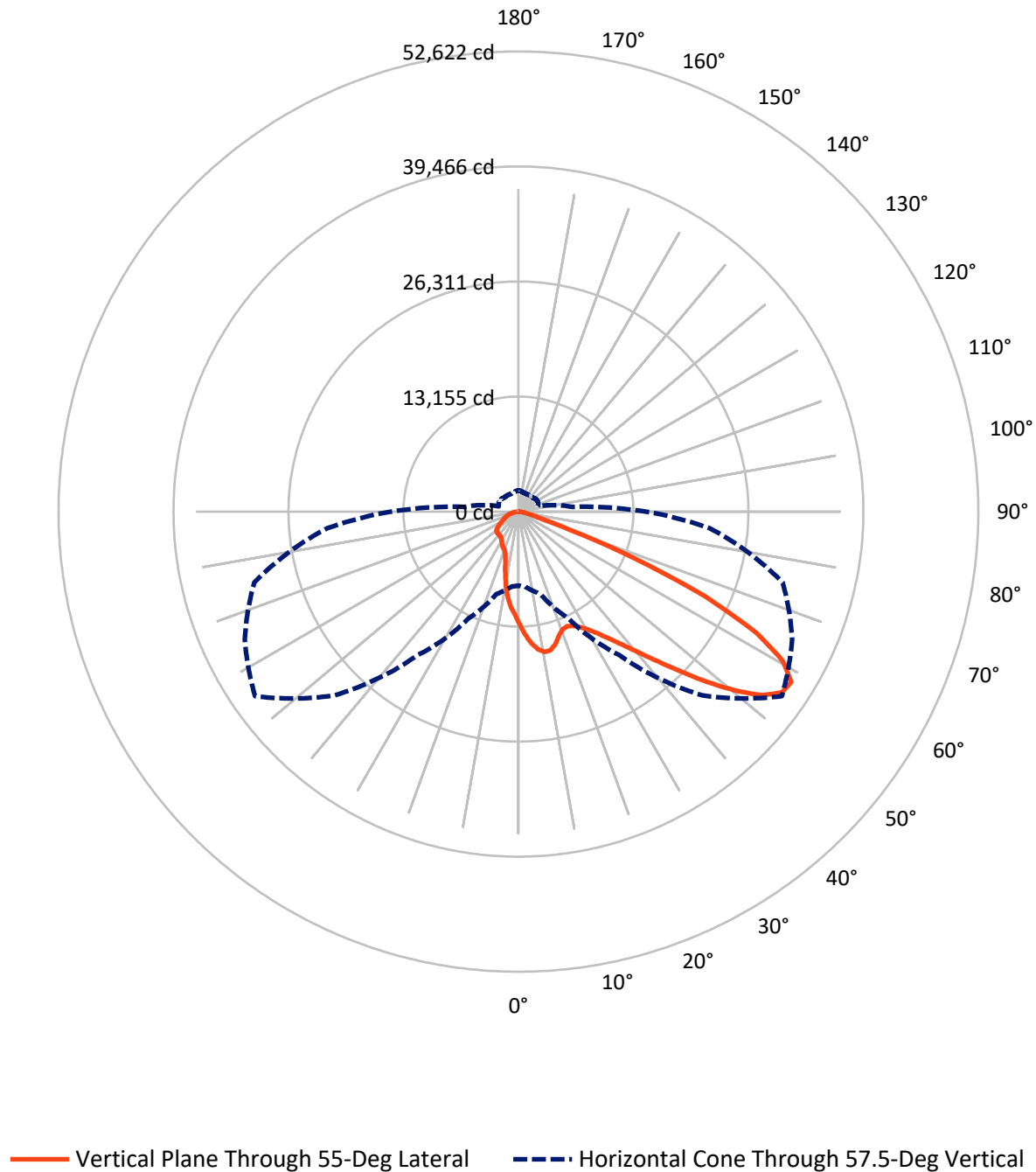


Based on 25 foot mounting height. Maximum calculated value = 24.8 fc

Type II - Short - N/A

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## Luminous Intensity Polar Plot



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CATALOG NUMBER: GLAN-SB7D-930-U-AFL

**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total   |
|--------------------|-----------|----------|--------|---------|
| <b>House Side</b>  | Lumens    | 9264.6   | 0.0    | 9264.6  |
|                    | % Fixture | 18.1     | 0.0    | 18.1    |
| <b>Street Side</b> | Lumens    | 41936.4  | 0.0    | 41936.4 |
|                    | % Fixture | 81.9     | 0.0    | 81.9    |
| <b>Total</b>       | Lumens    | 51201.0  | 0.0    | 51201.0 |
|                    | % Fixture | 100.0    | 0.0    | 100.0   |

**ZONAL LUMENS:**

| Zone      | Lumens  | % Fixture |
|-----------|---------|-----------|
| 0°-10°    | 1190.5  | 2.3       |
| 10°-20°   | 3004.8  | 5.9       |
| 20°-30°   | 4794.9  | 9.4       |
| 30°-40°   | 7591.4  | 14.8      |
| 40°-50°   | 11619.5 | 22.7      |
| 50°-60°   | 12445.6 | 24.3      |
| 60°-70°   | 7829.6  | 15.3      |
| 70°-80°   | 2315.4  | 4.5       |
| 80°-90°   | 409.4   | 0.8       |
| 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°    | 51201.0 | 100.0     |
| 0°-180°   | 51201.0 | 100.0     |

**Coefficient of Utilization**



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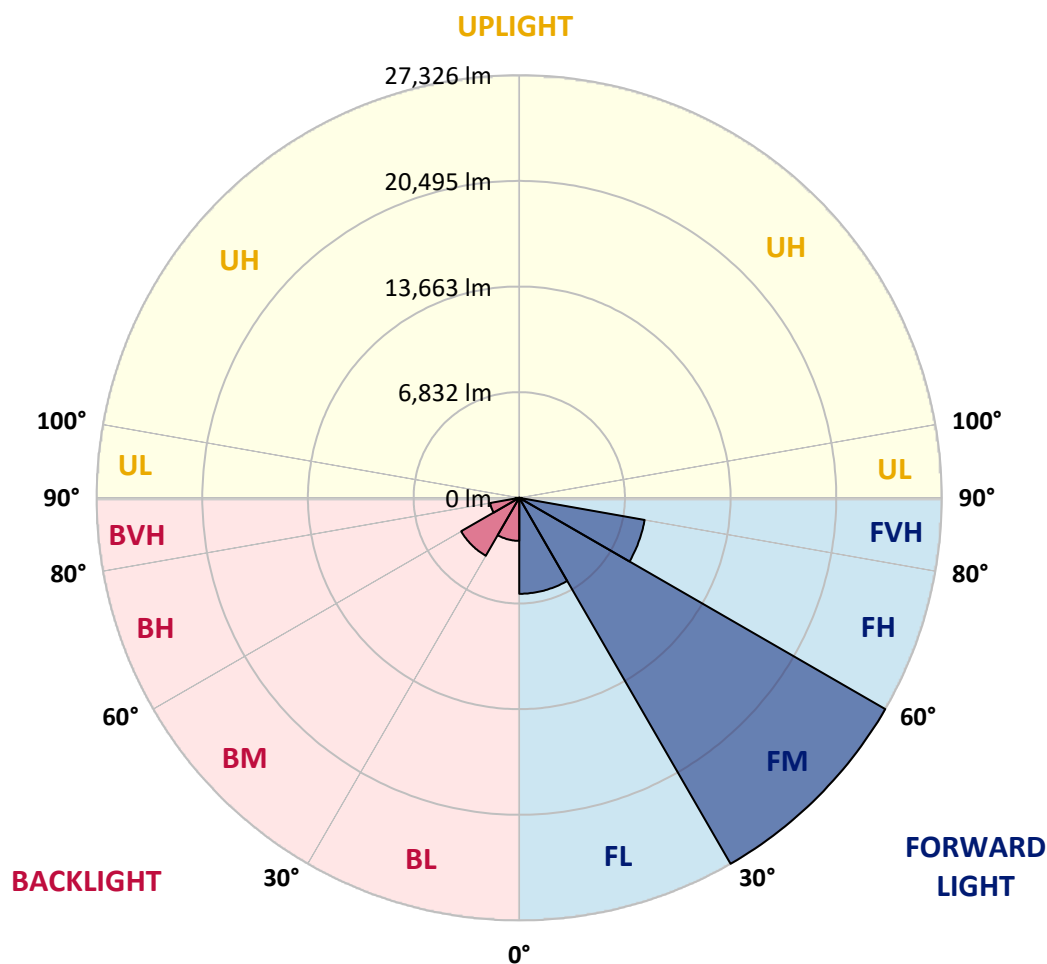
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

| Zone |             | Lumens  | % Fixture | Zone Rating/Lumen Limit |      |          |
|------|-------------|---------|-----------|-------------------------|------|----------|
|      |             |         |           | B                       | U    | G        |
| FL   | (0°-30°)    | 6205.6  | 12.1      |                         |      |          |
| FM   | (30°-60°)   | 27326.3 | 53.4      |                         |      |          |
| FH   | (60°-80°)   | 8231.6  | 16.1      |                         |      | G4/12000 |
| FVH  | (80°-90°)   | 173.0   | 0.3       |                         |      | G2/225   |
| BL   | (0°-30°)    | 2784.6  | 5.4       | B4/5000                 |      |          |
| BM   | (30°-60°)   | 4330.2  | 8.5       | B3/5000                 |      |          |
| BH   | (60°-80°)   | 1913.4  | 3.7       | B3/2500                 |      | G3/2500  |
| BVH  | (80°-90°)   | 236.4   | 0.5       |                         |      | G3/500   |
| UL   | (90°-100°)  | 0.0     | 0.0       |                         | U0/0 |          |
| UH   | (100°-180°) | 0.0     | 0.0       |                         | U0/0 |          |

**BUG Rating: B4-U0-G4**

Type II Short



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**CANDELA DISTRIBUTION (FULL):**

|       | 0°      | 5°      | 15°     | 25°     | 35°     | 45°     | 55°     | 65°     | 75°     | 85°     |
|-------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 0°    | 12829.3 | 12829.3 | 12829.3 | 12829.3 | 12829.3 | 12829.3 | 12829.3 | 12829.3 | 12829.3 | 12829.3 |
| 2.5°  | 14719.2 | 14708.6 | 14766.8 | 14568.3 | 14433.3 | 14250.7 | 14009.8 | 13702.8 | 13371.9 | 13022.5 |
| 5°    | 16045.2 | 15952.6 | 16013.5 | 15865.3 | 15717.0 | 15441.8 | 15084.4 | 14584.2 | 13972.8 | 13276.6 |
| 7.5°  | 15836.1 | 15772.6 | 15928.8 | 16061.1 | 16172.3 | 16137.9 | 15875.8 | 15351.8 | 14563.0 | 13551.9 |
| 10°   | 14150.1 | 14078.6 | 14298.3 | 14756.2 | 15428.5 | 16013.5 | 16331.1 | 16005.5 | 15166.5 | 13853.6 |
| 12.5° | 12662.6 | 12628.1 | 12773.7 | 13144.3 | 13890.7 | 15013.0 | 16272.9 | 16577.3 | 15793.8 | 14211.0 |
| 15°   | 12027.3 | 11985.0 | 12077.6 | 12265.5 | 12742.0 | 13787.5 | 15743.5 | 16969.0 | 16410.5 | 14623.9 |
| 17.5° | 11887.0 | 11839.4 | 11879.1 | 11977.0 | 12284.1 | 13080.8 | 14944.1 | 17162.2 | 17053.7 | 15084.4 |
| 20°   | 12146.4 | 12106.7 | 12112.0 | 12106.7 | 12321.1 | 12953.7 | 14388.3 | 17088.1 | 17614.8 | 15507.9 |
| 22.5° | 12773.7 | 12707.6 | 12710.2 | 12569.9 | 12686.4 | 13176.0 | 14242.7 | 16889.6 | 18115.1 | 15878.5 |
| 25°   | 13795.4 | 13676.3 | 13700.1 | 13342.8 | 13311.0 | 13673.7 | 14470.4 | 16736.1 | 18612.7 | 16174.9 |
| 27.5° | 15193.0 | 15058.0 | 14986.5 | 14454.5 | 14200.4 | 14380.4 | 14933.6 | 16789.0 | 19083.8 | 16431.7 |
| 30°   | 16939.9 | 16775.8 | 16630.2 | 15875.8 | 15415.3 | 15349.1 | 15653.5 | 17138.4 | 19639.7 | 16701.7 |
| 32.5° | 19081.2 | 18890.6 | 18625.9 | 17625.4 | 16976.9 | 16630.2 | 16585.2 | 17760.4 | 20290.8 | 17045.7 |
| 35°   | 21630.1 | 21381.3 | 21005.4 | 19711.1 | 18890.6 | 18181.3 | 17813.3 | 18657.7 | 21182.8 | 17564.5 |
| 37.5° | 24255.8 | 23975.2 | 23631.1 | 22090.7 | 21082.2 | 20036.7 | 19311.5 | 19875.2 | 22371.2 | 18268.6 |
| 40°   | 26677.7 | 26362.7 | 26042.4 | 24671.3 | 23588.8 | 22328.9 | 21145.7 | 21415.7 | 23824.3 | 19110.3 |
| 42.5° | 28107.0 | 27874.0 | 27752.3 | 27011.2 | 26174.8 | 24896.3 | 23427.3 | 23242.0 | 25457.5 | 20079.0 |
| 45°   | 28043.4 | 27948.1 | 28324.0 | 28631.0 | 28432.5 | 27723.2 | 26100.6 | 25261.6 | 27095.9 | 20918.1 |
| 47.5° | 26545.3 | 26608.8 | 27447.9 | 29173.6 | 29933.3 | 30303.8 | 29144.5 | 27244.1 | 28519.9 | 21545.4 |
| 50°   | 22469.2 | 22522.1 | 24464.9 | 28186.4 | 30319.7 | 32408.1 | 32164.6 | 29178.9 | 29623.6 | 21929.2 |
| 52.5° | 19242.6 | 19277.0 | 20110.8 | 25258.9 | 29043.9 | 33466.8 | 34885.6 | 31002.6 | 30430.9 | 22035.1 |
| 55°   | 14494.2 | 14613.3 | 15547.6 | 19817.0 | 25724.8 | 32627.8 | 36542.5 | 32881.9 | 30941.7 | 22045.7 |
| 57.5° | 8467.3  | 8597.0  | 9751.0  | 13451.3 | 19994.3 | 29703.0 | 36793.9 | 34549.4 | 31288.5 | 21961.0 |
| 60°   | 4147.6  | 4203.2  | 4706.1  | 7069.8  | 12329.1 | 24067.9 | 34771.7 | 35356.7 | 31481.7 | 21916.0 |
| 62.5° | 2795.1  | 2787.1  | 2808.3  | 3488.6  | 6074.5  | 15462.9 | 30557.9 | 33943.3 | 31378.5 | 21743.9 |
| 65°   | 2403.3  | 2374.2  | 2294.8  | 2448.3  | 3147.1  | 7072.4  | 23610.0 | 29724.2 | 30592.4 | 21312.5 |
| 67.5° | 2077.8  | 2080.4  | 2083.1  | 2035.4  | 2247.2  | 3263.6  | 14428.0 | 23414.1 | 27770.8 | 19269.1 |
| 70°   | 1720.5  | 1744.3  | 1754.9  | 1754.9  | 1831.6  | 2141.3  | 6159.2  | 16047.9 | 21905.4 | 15108.3 |
| 72.5° | 1566.9  | 1516.6  | 1521.9  | 1495.5  | 1495.5  | 1630.5  | 2480.1  | 9097.2  | 13800.7 | 8499.1  |
| 75°   | 1278.4  | 1310.2  | 1315.5  | 1297.0  | 1236.1  | 1244.0  | 1471.7  | 3816.8  | 5905.1  | 3525.6  |
| 77.5° | 1103.7  | 1103.7  | 1114.3  | 1101.1  | 1053.4  | 931.7   | 982.0   | 1479.6  | 2009.0  | 1445.2  |
| 80°   | 886.7   | 884.0   | 929.0   | 955.5   | 881.4   | 688.2   | 627.3   | 817.9   | 892.0   | 635.2   |
| 82.5° | 431.4   | 457.9   | 637.9   | 727.9   | 669.7   | 497.6   | 383.8   | 508.2   | 476.4   | 280.6   |
| 85°   | 251.5   | 238.2   | 285.9   | 405.0   | 383.8   | 275.3   | 185.3   | 264.7   | 248.8   | 142.9   |
| 87.5° | 79.4    | 74.1    | 58.2    | 137.6   | 111.2   | 76.8    | 50.3    | 76.8    | 68.8    | 31.8    |
| 90°   | 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°    |
|---------|-------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 12829.3 | 0°    | 12829.3 | 12829.3 | 12829.3 | 12829.3 | 12829.3 | 12829.3 | 12829.3 | 12829.3 | 12829.3 | 12829.3 |
| 12871.7 | 2.5°  | 12683.7 | 12371.4 | 12061.7 | 11778.5 | 11606.5 | 11495.3 | 11384.1 | 11259.7 | 11212.1 | 11140.6 |
| 12906.1 | 5°    | 12556.7 | 11953.2 | 11415.9 | 10952.7 | 10531.8 | 10201.0 | 9867.5  | 9597.5  | 9475.7  | 9557.8  |
| 13014.6 | 7.5°  | 12482.6 | 11609.1 | 10780.6 | 9931.0  | 9113.1  | 8459.4  | 7890.3  | 7490.6  | 7310.6  | 7355.6  |
| 13120.5 | 10°   | 12416.4 | 11220.0 | 9957.5  | 8615.5  | 7440.3  | 6630.4  | 6048.1  | 5743.7  | 5629.9  | 5653.7  |
| 13263.4 | 12.5° | 12355.5 | 10783.3 | 8964.9  | 7199.4  | 5950.1  | 5415.5  | 5248.7  | 5251.4  | 5272.5  | 5288.4  |
| 13491.0 | 15°   | 12344.9 | 10256.6 | 7855.9  | 5960.7  | 5145.5  | 5111.1  | 5291.1  | 5404.9  | 5465.8  | 5484.3  |
| 13681.6 | 17.5° | 12329.1 | 9626.6  | 6725.7  | 5116.4  | 4949.6  | 5182.5  | 5349.3  | 5423.4  | 5471.1  | 5473.7  |
| 13866.9 | 20°   | 12265.5 | 8827.3  | 5682.8  | 4714.0  | 4907.3  | 5108.4  | 5211.7  | 5269.9  | 5309.6  | 5322.8  |
| 14007.2 | 22.5° | 12069.7 | 7937.9  | 4870.2  | 4534.1  | 4737.9  | 4899.3  | 5021.1  | 5087.3  | 5111.1  | 5127.0  |
| 14033.6 | 25°   | 11717.6 | 6942.7  | 4309.1  | 4362.0  | 4502.3  | 4706.1  | 4804.0  | 4817.3  | 4809.3  | 4833.2  |
| 13967.5 | 27.5° | 11257.1 | 5876.0  | 3959.7  | 4129.1  | 4309.1  | 4483.8  | 4536.7  | 4528.8  | 4512.9  | 4539.4  |
| 13853.6 | 30°   | 10701.2 | 4917.9  | 3737.4  | 3867.1  | 4113.2  | 4272.0  | 4319.7  | 4301.1  | 4269.4  | 4298.5  |
| 13795.4 | 32.5° | 10113.6 | 4134.4  | 3554.7  | 3684.4  | 3951.8  | 4107.9  | 4155.6  | 4137.0  | 4113.2  | 4137.0  |
| 13861.6 | 35°   | 9565.7  | 3586.5  | 3385.3  | 3562.7  | 3824.7  | 3978.2  | 4039.1  | 4041.7  | 4041.7  | 4070.9  |
| 14036.3 | 37.5° | 9062.8  | 3266.2  | 3245.0  | 3485.9  | 3737.4  | 3875.0  | 3962.3  | 3967.6  | 3853.8  | 3861.8  |
| 14332.7 | 40°   | 8597.0  | 3131.2  | 3181.5  | 3435.6  | 3652.7  | 3785.0  | 3790.3  | 3493.8  | 3284.7  | 3279.5  |
| 14671.5 | 42.5° | 8215.8  | 3104.8  | 3200.0  | 3430.3  | 3591.8  | 3597.1  | 3223.9  | 2993.6  | 2935.4  | 2938.0  |
| 14983.8 | 45°   | 7858.5  | 3096.8  | 3242.4  | 3430.3  | 3501.8  | 3107.4  | 2856.0  | 2795.1  | 2800.4  | 2821.5  |
| 15124.1 | 47.5° | 7458.8  | 3065.1  | 3250.3  | 3382.7  | 3242.4  | 2763.3  | 2689.2  | 2662.7  | 2652.1  | 2657.4  |
| 15092.4 | 50°   | 7022.1  | 2951.2  | 3149.8  | 3287.4  | 2797.7  | 2615.1  | 2522.5  | 2514.5  | 2527.7  | 2535.7  |
| 14915.0 | 52.5° | 6561.6  | 2766.0  | 2977.7  | 3115.3  | 2593.9  | 2485.4  | 2382.2  | 2400.7  | 2458.9  | 2477.5  |
| 14729.8 | 55°   | 6259.8  | 2548.9  | 2750.1  | 2771.3  | 2451.0  | 2363.6  | 2276.3  | 2318.6  | 2427.2  | 2461.6  |
| 14618.6 | 57.5° | 6180.4  | 2318.6  | 2490.7  | 2466.9  | 2268.4  | 2257.8  | 2204.8  | 2241.9  | 2379.5  | 2429.8  |
| 14613.3 | 60°   | 6156.6  | 2112.2  | 2236.6  | 2218.1  | 2091.0  | 2141.3  | 2128.1  | 2146.6  | 2194.2  | 2210.1  |
| 14560.4 | 62.5° | 5971.3  | 1948.1  | 2009.0  | 1982.5  | 1932.2  | 2019.6  | 2051.3  | 2011.6  | 2048.7  | 2067.2  |
| 14197.7 | 65°   | 5500.2  | 1815.7  | 1786.6  | 1768.1  | 1789.3  | 1868.7  | 1932.2  | 1852.8  | 1887.2  | 1940.1  |
| 12800.2 | 67.5° | 4722.0  | 1635.8  | 1556.4  | 1577.5  | 1643.7  | 1686.0  | 1768.1  | 1678.1  | 1707.2  | 1797.2  |
| 10309.5 | 70°   | 3819.4  | 1408.1  | 1336.7  | 1397.5  | 1461.1  | 1548.4  | 1561.6  | 1500.8  | 1569.6  | 1670.2  |
| 6291.6  | 72.5° | 2702.4  | 1177.9  | 1127.6  | 1252.0  | 1273.1  | 1387.0  | 1357.8  | 1328.7  | 1424.0  | 1458.4  |
| 3110.1  | 75°   | 1874.0  | 950.2   | 921.1   | 1016.4  | 1093.2  | 1191.1  | 1169.9  | 1204.3  | 1405.5  | 1421.4  |
| 1553.7  | 77.5° | 1185.8  | 738.5   | 719.9   | 780.8   | 886.7   | 995.2   | 1029.6  | 1421.4  | 2400.7  | 2496.0  |
| 807.3   | 80°   | 688.2   | 550.5   | 529.4   | 577.0   | 669.7   | 770.2   | 992.6   | 1744.3  | 1582.8  | 1564.3  |
| 362.6   | 82.5° | 383.8   | 378.5   | 352.0   | 365.3   | 447.3   | 555.8   | 1402.8  | 1228.1  | 997.9   | 1029.6  |
| 145.6   | 85°   | 180.0   | 222.3   | 190.6   | 182.6   | 251.5   | 651.1   | 937.0   | 701.4   | 465.8   | 455.3   |
| 31.8    | 87.5° | 47.6    | 42.3    | 42.3    | 47.6    | 105.9   | 561.1   | 373.2   | 299.1   | 177.3   | 172.0   |
| 0.0     | 90°   | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     |

(END OF RI

