

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: P852844

Luminaire Tested: **GLAN-SB6D-827-U-T4FT-HSS**

Issue Date: 7/11/2024

**Test Information**

Test Method: LM-79-08  
Report Number: P852844  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-25)  
Test Lab: INNOVATION CENTER  
Issue Date: 7/11/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: GLAN-SB6D-827-U-T4FT-HSS  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(6) 80 CRI, 2700K, 900mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE IV  
FORWARD THROW OPTICS WITH HOUSE SIDE SHIELD  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 37252 lumens  
Efficiency: N/A  
Efficacy: 84.6 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')  
IES Classification: Type IV - Short  
BUG Rating: B3 - U0 - G5

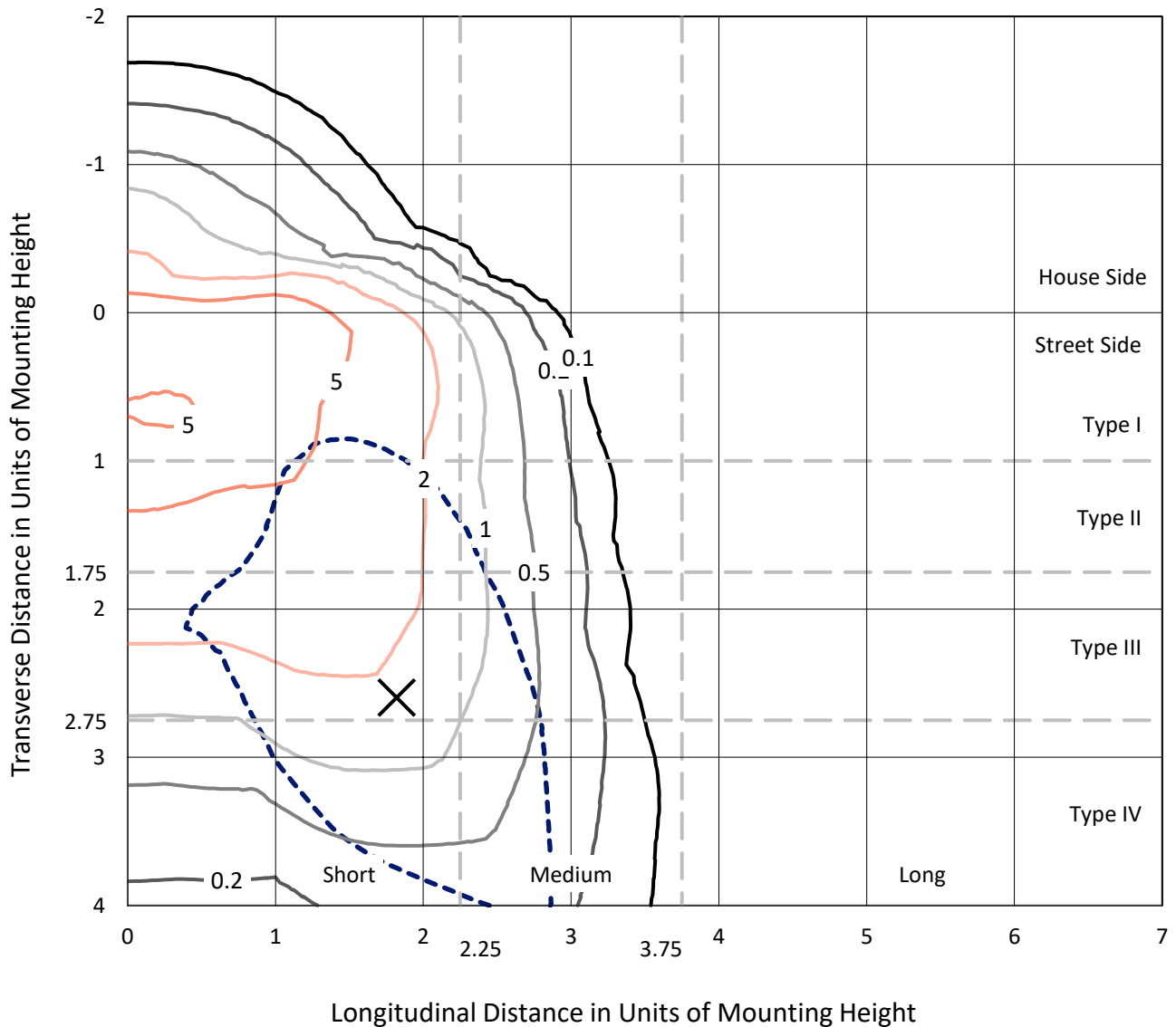
Input Watts (W): 440.1  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

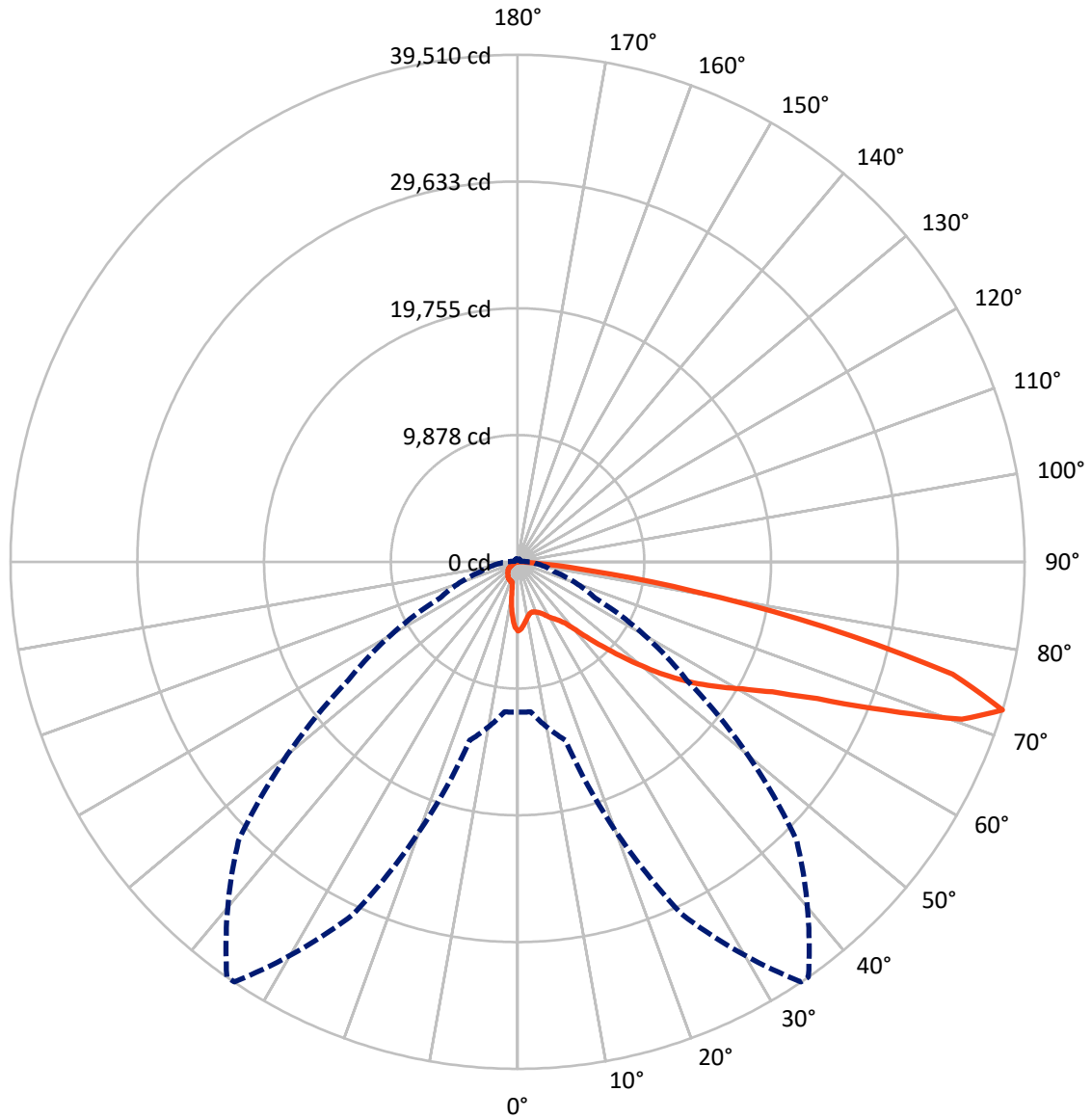
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 8.6 fc  
 Type IV - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 35-Deg Lateral      - - - Horizontal Cone Through 72.5-Deg Vertical

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**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total   |
|--------------------|-----------|----------|--------|---------|
| <b>House Side</b>  | Lumens    | 4192.5   | 0.0    | 4192.5  |
|                    | % Fixture | 11.3     | 0.0    | 11.3    |
| <b>Street Side</b> | Lumens    | 33059.5  | 0.0    | 33059.5 |
|                    | % Fixture | 88.7     | 0.0    | 88.7    |
| <b>Total</b>       | Lumens    | 37252.0  | 0.0    | 37252.0 |
|                    | % Fixture | 100.0    | 0.0    | 100.0   |

**ZONAL LUMENS:**

| Zone      | Lumens  | % Fixture |
|-----------|---------|-----------|
| 0°-10°    | 443.7   | 1.2       |
| 10°-20°   | 1037.9  | 2.8       |
| 20°-30°   | 1686.0  | 4.5       |
| 30°-40°   | 2813.1  | 7.6       |
| 40°-50°   | 5322.5  | 14.3      |
| 50°-60°   | 8457.4  | 22.7      |
| 60°-70°   | 10462.4 | 28.1      |
| 70°-80°   | 6503.5  | 17.5      |
| 80°-90°   | 525.6   | 1.4       |
| 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°    | 37252.0 | 100.0     |
| 0°-180°   | 37252.0 | 100.0     |

**Coefficient of Utilization**



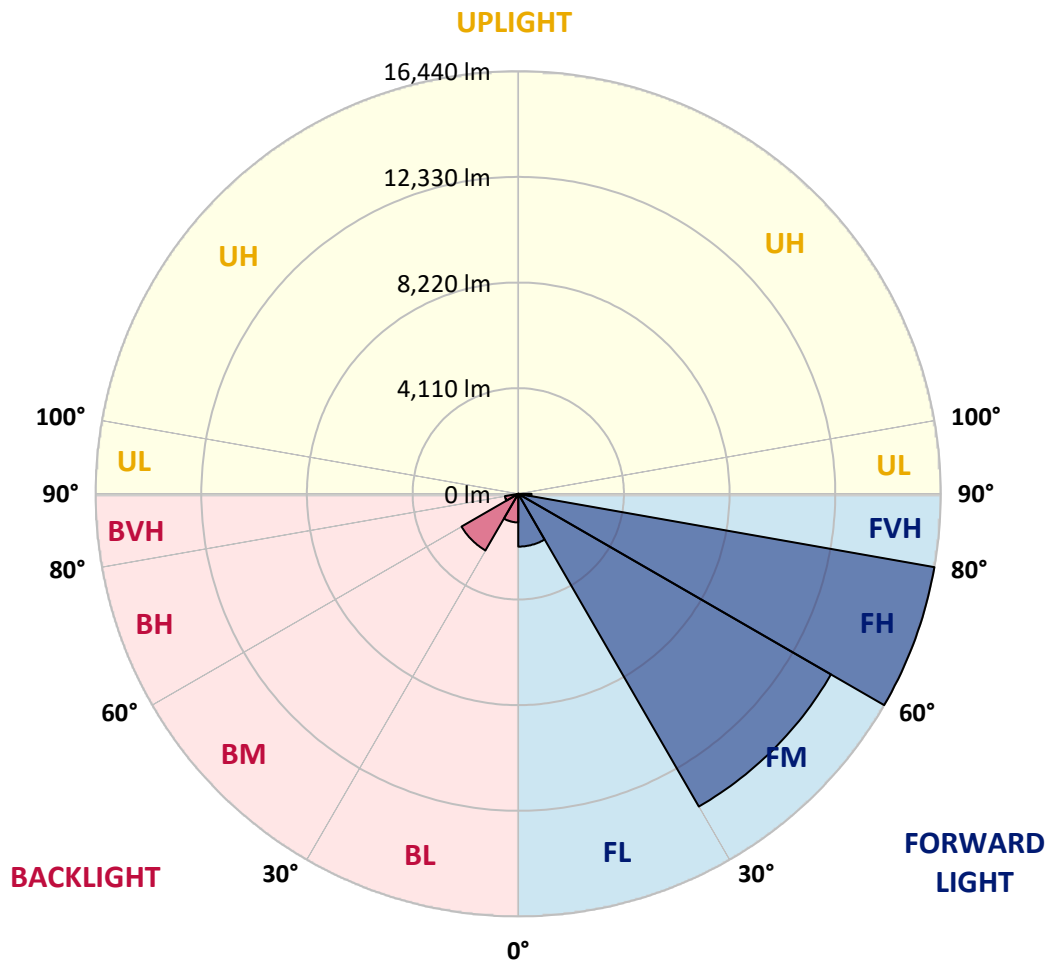
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

| Zone           | Lumens  | % Fixture | Zone Rating/Lumen Limit |      |         |
|----------------|---------|-----------|-------------------------|------|---------|
|                |         |           | B                       | U    | G       |
| FL (0°-30°)    | 2053.5  | 5.5       |                         |      |         |
| FM (30°-60°)   | 14047.7 | 37.7      |                         |      |         |
| FH (60°-80°)   | 16439.8 | 44.1      |                         |      | G5      |
| FVH (80°-90°)  | 518.4   | 1.4       |                         |      | G4/750  |
| BL (0°-30°)    | 1114.0  | 3.0       | B3/2500                 |      |         |
| BM (30°-60°)   | 2545.2  | 6.8       | B3/5000                 |      |         |
| BH (60°-80°)   | 526.1   | 1.4       | B2/1000                 |      | G2/1000 |
| BVH (80°-90°)  | 7.2     | 0.0       |                         |      | G0/10   |
| UL (90°-100°)  | 0.0     | 0.0       |                         | U0/0 |         |
| UH (100°-180°) | 0.0     | 0.0       |                         | U0/0 |         |

**BUG Rating: B3-U0-G5**

Type IV Short



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**CANDELA DISTRIBUTION (FULL):**

|       | 0°      | 5°      | 15°     | 25°     | 34°     | 35°     | 45°     | 55°     | 65°     | 75°     |
|-------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 0°    | 5399.1  | 5399.1  | 5399.1  | 5399.1  | 5399.1  | 5399.1  | 5399.1  | 5399.1  | 5399.1  | 5399.1  |
| 2.5°  | 5158.9  | 5202.5  | 5210.7  | 5224.4  | 5224.4  | 5240.7  | 5268.0  | 5306.3  | 5369.0  | 5401.8  |
| 5°    | 4754.9  | 4787.6  | 4828.6  | 4861.3  | 4924.1  | 4932.3  | 5038.8  | 5142.5  | 5287.2  | 5396.3  |
| 7.5°  | 4348.2  | 4386.4  | 4441.0  | 4520.1  | 4602.0  | 4626.6  | 4787.6  | 4962.3  | 5191.6  | 5396.3  |
| 10°   | 4061.6  | 4064.3  | 4113.4  | 4192.6  | 4323.6  | 4353.6  | 4550.2  | 4798.6  | 5085.2  | 5363.6  |
| 12.5° | 3900.5  | 3919.6  | 3941.5  | 4001.5  | 4127.1  | 4146.2  | 4356.4  | 4648.4  | 4978.7  | 5344.5  |
| 15°   | 3900.5  | 3914.2  | 3927.8  | 3957.9  | 4058.9  | 4075.2  | 4260.8  | 4552.9  | 4924.1  | 5352.7  |
| 17.5° | 3941.5  | 3963.3  | 3952.4  | 3987.9  | 4094.3  | 4105.3  | 4269.0  | 4525.6  | 4921.4  | 5404.5  |
| 20°   | 4039.7  | 4056.1  | 4034.3  | 4056.1  | 4162.6  | 4184.4  | 4353.6  | 4577.5  | 4967.8  | 5494.6  |
| 22.5° | 4195.3  | 4203.5  | 4151.7  | 4168.0  | 4277.2  | 4304.5  | 4501.0  | 4724.9  | 5079.7  | 5639.3  |
| 25°   | 4391.9  | 4408.2  | 4329.1  | 4348.2  | 4451.9  | 4484.7  | 4711.2  | 4946.0  | 5257.1  | 5838.5  |
| 27.5° | 4618.4  | 4626.6  | 4558.4  | 4555.6  | 4689.4  | 4735.8  | 4965.1  | 5218.9  | 5494.6  | 6089.6  |
| 30°   | 4877.7  | 4902.3  | 4836.8  | 4825.9  | 4995.1  | 5033.3  | 5259.9  | 5554.6  | 5844.0  | 6466.3  |
| 32.5° | 5082.4  | 5101.5  | 5063.3  | 5090.6  | 5262.6  | 5292.6  | 5617.4  | 6029.6  | 6392.6  | 7001.3  |
| 35°   | 5377.2  | 5388.1  | 5300.8  | 5349.9  | 5546.5  | 5622.9  | 6106.0  | 6695.6  | 7083.2  | 7672.8  |
| 37.5° | 6444.5  | 6444.5  | 6073.3  | 5830.3  | 6018.7  | 6086.9  | 6774.8  | 7533.6  | 7934.8  | 8573.5  |
| 40°   | 7921.2  | 7896.6  | 7353.4  | 6856.6  | 6832.1  | 6965.8  | 7727.4  | 8589.9  | 9034.8  | 9654.4  |
| 42.5° | 9496.1  | 9457.9  | 8718.2  | 8226.9  | 8145.0  | 8191.4  | 8827.4  | 9891.9  | 10345.0 | 10972.8 |
| 45°   | 10893.7 | 10882.7 | 10205.8 | 9545.3  | 9397.9  | 9545.3  | 10200.4 | 11415.0 | 11739.8 | 12400.4 |
| 47.5° | 12064.6 | 12064.6 | 11570.6 | 11139.3 | 11062.9 | 11150.2 | 12059.2 | 13104.6 | 13074.6 | 13920.7 |
| 50°   | 13413.0 | 13402.1 | 12932.6 | 12747.0 | 12826.2 | 12949.0 | 14199.2 | 14884.3 | 14455.7 | 15413.8 |
| 52.5° | 14357.5 | 14423.0 | 14261.9 | 14231.9 | 14635.9 | 14848.8 | 16371.9 | 16625.7 | 15692.2 | 16830.4 |
| 55°   | 15105.4 | 15181.8 | 15367.4 | 15577.6 | 16355.5 | 16633.9 | 18476.4 | 18277.1 | 16726.7 | 18058.7 |
| 57.5° | 16164.4 | 16055.3 | 16341.9 | 16756.8 | 18015.1 | 18350.8 | 20515.4 | 19835.7 | 17559.2 | 19055.0 |
| 60°   | 17450.1 | 17466.4 | 17515.6 | 18039.6 | 19671.9 | 20103.2 | 22524.3 | 21309.7 | 18094.2 | 19666.5 |
| 62.5° | 18995.0 | 19019.6 | 19120.5 | 19925.8 | 21896.5 | 22303.2 | 24664.3 | 22516.1 | 18339.9 | 19494.5 |
| 65°   | 18888.5 | 18992.3 | 20119.6 | 22873.7 | 25278.4 | 25679.7 | 27161.8 | 23362.3 | 17968.7 | 17922.3 |
| 67.5° | 17207.1 | 17376.4 | 19262.5 | 26394.8 | 30377.2 | 30824.9 | 30180.7 | 23528.8 | 16366.4 | 13937.1 |
| 70°   | 15001.6 | 15061.7 | 17330.0 | 29561.1 | 36281.3 | 36734.4 | 32883.0 | 21697.2 | 12419.5 | 7773.8  |
| 72.5° | 11715.3 | 11728.9 | 14390.2 | 30295.4 | 39485.8 | 39510.3 | 30762.1 | 16107.1 | 6679.2  | 2986.1  |
| 75°   | 8368.8  | 8286.9  | 9638.1  | 24568.7 | 34739.1 | 35017.5 | 23062.0 | 7555.4  | 2552.1  | 1411.2  |
| 77.5° | 4487.4  | 4577.5  | 5453.7  | 14570.4 | 23998.3 | 24473.2 | 12583.3 | 2178.2  | 1299.3  | 960.8   |
| 80°   | 1386.6  | 1463.0  | 2235.5  | 6671.0  | 13593.2 | 13879.8 | 4664.8  | 969.0   | 906.2   | 685.1   |
| 82.5° | 436.7   | 453.1   | 1042.7  | 2803.3  | 5642.0  | 5773.0  | 1351.1  | 548.6   | 619.6   | 453.1   |
| 85°   | 125.6   | 128.3   | 464.0   | 1045.4  | 1394.8  | 1422.1  | 379.4   | 212.9   | 354.8   | 281.1   |
| 87.5° | 13.6    | 43.7    | 174.7   | 174.7   | 122.8   | 120.1   | 40.9    | 46.4    | 101.0   | 35.5    |
| 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):**

| 85°     |       | 90°     | 95°     | 105°   | 115°   | 125°   | 135°   | 145°   | 155°   | 165°   | 175°   |
|---------|-------|---------|---------|--------|--------|--------|--------|--------|--------|--------|--------|
| 5399.1  | 0°    | 5399.1  | 5399.1  | 5399.1 | 5399.1 | 5399.1 | 5399.1 | 5399.1 | 5399.1 | 5399.1 | 5399.1 |
| 5423.6  | 2.5°  | 5410.0  | 5412.7  | 5377.2 | 5317.2 | 5251.7 | 5197.1 | 5128.8 | 5074.2 | 5036.0 | 5025.1 |
| 5472.8  | 5°    | 5448.2  | 5429.1  | 5328.1 | 5145.2 | 4926.9 | 4738.5 | 4528.3 | 4361.8 | 4252.6 | 4206.2 |
| 5524.6  | 7.5°  | 5505.5  | 5450.9  | 5229.8 | 4869.5 | 4451.9 | 4080.7 | 3704.0 | 3411.9 | 3226.3 | 3133.5 |
| 5573.8  | 10°   | 5554.6  | 5445.5  | 5066.1 | 4471.0 | 3832.3 | 3270.0 | 2762.3 | 2410.2 | 2213.7 | 2120.9 |
| 5631.1  | 12.5° | 5601.1  | 5442.7  | 4853.2 | 3998.8 | 3133.5 | 2445.7 | 1973.5 | 1798.8 | 1744.2 | 1725.1 |
| 5723.9  | 15°   | 5688.4  | 5450.9  | 4585.7 | 3458.3 | 2437.5 | 1847.9 | 1675.9 | 1673.2 | 1684.1 | 1678.7 |
| 5865.8  | 17.5° | 5808.5  | 5459.1  | 4282.7 | 2885.1 | 1880.7 | 1629.5 | 1621.4 | 1645.9 | 1662.3 | 1654.1 |
| 6043.2  | 20°   | 5964.1  | 5491.9  | 3960.6 | 2317.4 | 1615.9 | 1575.0 | 1594.1 | 1615.9 | 1629.5 | 1615.9 |
| 6280.7  | 22.5° | 6182.4  | 5549.2  | 3608.5 | 1861.6 | 1531.3 | 1542.2 | 1558.6 | 1583.1 | 1596.8 | 1577.7 |
| 6583.7  | 25°   | 6449.9  | 5639.3  | 3261.8 | 1618.6 | 1490.3 | 1504.0 | 1528.6 | 1555.8 | 1572.2 | 1553.1 |
| 6965.8  | 27.5° | 6796.6  | 5783.9  | 2942.5 | 1564.0 | 1449.4 | 1457.6 | 1493.1 | 1534.0 | 1555.8 | 1531.3 |
| 7509.0  | 30°   | 7298.8  | 6021.4  | 2666.8 | 1588.6 | 1424.8 | 1405.7 | 1454.9 | 1512.2 | 1536.7 | 1514.9 |
| 8248.7  | 32.5° | 7964.8  | 6357.1  | 2497.5 | 1626.8 | 1413.9 | 1345.7 | 1392.1 | 1465.8 | 1506.7 | 1493.1 |
| 9215.0  | 35°   | 8838.3  | 6867.6  | 2432.0 | 1670.5 | 1405.7 | 1282.9 | 1315.6 | 1394.8 | 1465.8 | 1479.4 |
| 10432.4 | 37.5° | 9897.4  | 7577.3  | 2451.1 | 1689.6 | 1381.2 | 1231.0 | 1247.4 | 1315.6 | 1408.5 | 1452.1 |
| 11802.6 | 40°   | 11101.1 | 8404.3  | 2560.3 | 1670.5 | 1353.9 | 1187.4 | 1190.1 | 1241.9 | 1323.8 | 1389.3 |
| 13276.6 | 42.5° | 12343.1 | 9370.6  | 2762.3 | 1599.5 | 1329.3 | 1149.1 | 1141.0 | 1176.4 | 1231.0 | 1277.4 |
| 14747.8 | 45°   | 13525.0 | 10364.1 | 2961.6 | 1501.3 | 1299.3 | 1110.9 | 1091.8 | 1105.5 | 1116.4 | 1135.5 |
| 16180.8 | 47.5° | 14556.7 | 11062.9 | 2904.2 | 1411.2 | 1258.3 | 1067.3 | 1034.5 | 1029.0 | 996.3  | 993.6  |
| 17461.0 | 50°   | 15269.1 | 11215.7 | 2579.4 | 1321.1 | 1198.3 | 1018.1 | 966.3  | 933.5  | 876.2  | 848.9  |
| 18419.1 | 52.5° | 15495.7 | 10612.5 | 2107.2 | 1231.0 | 1100.0 | 952.6  | 878.9  | 827.1  | 756.1  | 731.5  |
| 18970.4 | 55°   | 15195.4 | 9430.6  | 1684.1 | 1121.8 | 963.5  | 865.3  | 783.4  | 715.1  | 657.8  | 627.8  |
| 19030.5 | 57.5° | 14461.2 | 7926.6  | 1332.0 | 993.6  | 818.9  | 767.0  | 685.1  | 616.9  | 567.7  | 537.7  |
| 18364.5 | 60°   | 13243.8 | 6294.4  | 1053.6 | 840.7  | 698.8  | 660.6  | 575.9  | 532.3  | 488.6  | 453.1  |
| 16644.8 | 62.5° | 11395.9 | 4492.9  | 827.1  | 666.0  | 584.1  | 540.5  | 491.3  | 458.6  | 406.7  | 357.6  |
| 13552.3 | 65°   | 8892.9  | 2748.7  | 638.7  | 488.6  | 469.5  | 447.6  | 417.6  | 387.6  | 324.8  | 275.7  |
| 8841.0  | 67.5° | 5609.2  | 1302.0  | 455.8  | 368.5  | 371.2  | 360.3  | 346.7  | 322.1  | 275.7  | 232.0  |
| 3960.6  | 70°   | 2470.2  | 630.5   | 300.3  | 281.1  | 275.7  | 275.7  | 286.6  | 278.4  | 234.7  | 193.8  |
| 1375.7  | 72.5° | 840.7   | 338.5   | 223.8  | 212.9  | 199.3  | 196.5  | 240.2  | 232.0  | 188.3  | 150.1  |
| 685.1   | 75°   | 439.5   | 226.6   | 163.8  | 152.9  | 120.1  | 144.7  | 191.1  | 180.2  | 133.7  | 98.3   |
| 453.1   | 77.5° | 286.6   | 161.0   | 111.9  | 98.3   | 68.2   | 95.5   | 141.9  | 125.6  | 79.2   | 49.1   |
| 297.5   | 80°   | 180.2   | 106.5   | 65.5   | 46.4   | 32.8   | 51.9   | 76.4   | 54.6   | 30.0   | 10.9   |
| 174.7   | 82.5° | 95.5    | 54.6    | 24.6   | 16.4   | 13.6   | 16.4   | 19.1   | 13.6   | 5.5    | 0.0    |
| 90.1    | 85°   | 38.2    | 19.1    | 8.2    | 5.5    | 2.7    | 0.0    | 5.5    | 2.7    | 0.0    | 0.0    |
| 16.4    | 87.5° | 13.6    | 2.7     | 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    |

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| 180°   |
|--------|
| 5399.1 |
| 5044.2 |
| 4222.6 |
| 3147.2 |
| 2123.6 |
| 1719.6 |
| 1675.9 |
| 1651.4 |
| 1613.2 |
| 1575.0 |
| 1550.4 |
| 1531.3 |
| 1512.2 |
| 1493.1 |
| 1479.4 |
| 1463.0 |
| 1411.2 |
| 1296.5 |
| 1146.4 |
| 990.8  |
| 851.6  |
| 728.8  |
| 627.8  |
| 532.3  |
| 444.9  |
| 349.4  |
| 267.5  |
| 226.6  |
| 185.6  |
| 141.9  |
| 90.1   |
| 43.7   |
| 8.2    |
| 0.0    |
| 0.0    |
| 0.0    |
| 0.0    |

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