

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: P954749

Luminaire Tested: **GLAN-SB7D-930-U-SL3-HSS**

Issue Date: 1/21/2025

**Test Information**

Test Method: LM-79-08  
Report Number: P954749  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-13)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/21/2025  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: GLAN-SB7D-930-U-SL3-HSS  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(7) 90 CRI, 3000K, 900mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE III  
SPILL LIGHT ELIMINATOR OPTICS WITH HOUSE SIDE SHIELD  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 40542 lumens  
Efficiency: N/A  
Efficacy: 79.1 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')  
IES Classification: Type III - Medium  
BUG Rating: B3 - U0 - G5

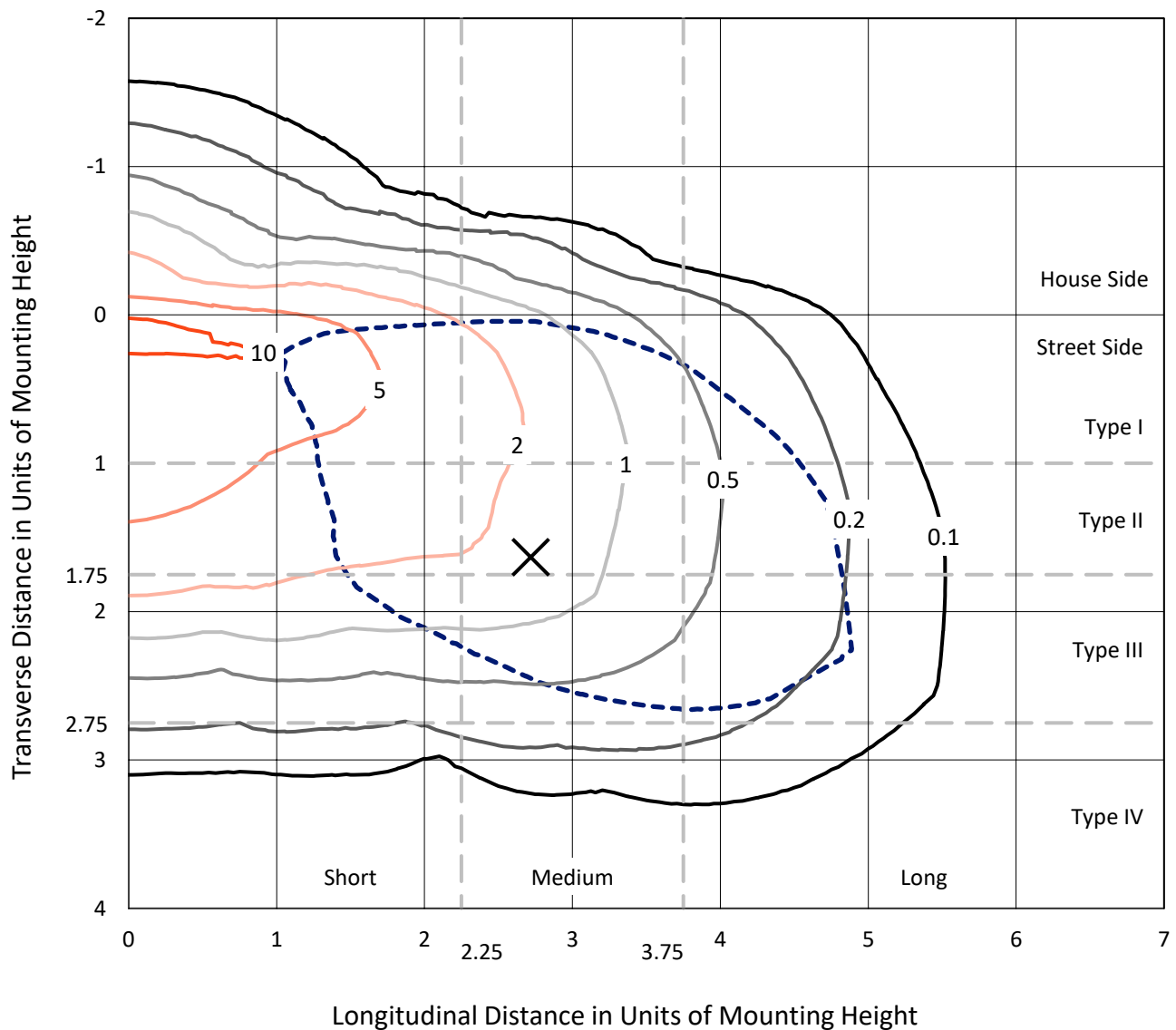
Input Watts (W): 512.8  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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## Iso-Footcandle Lines of Horizontal Illumination

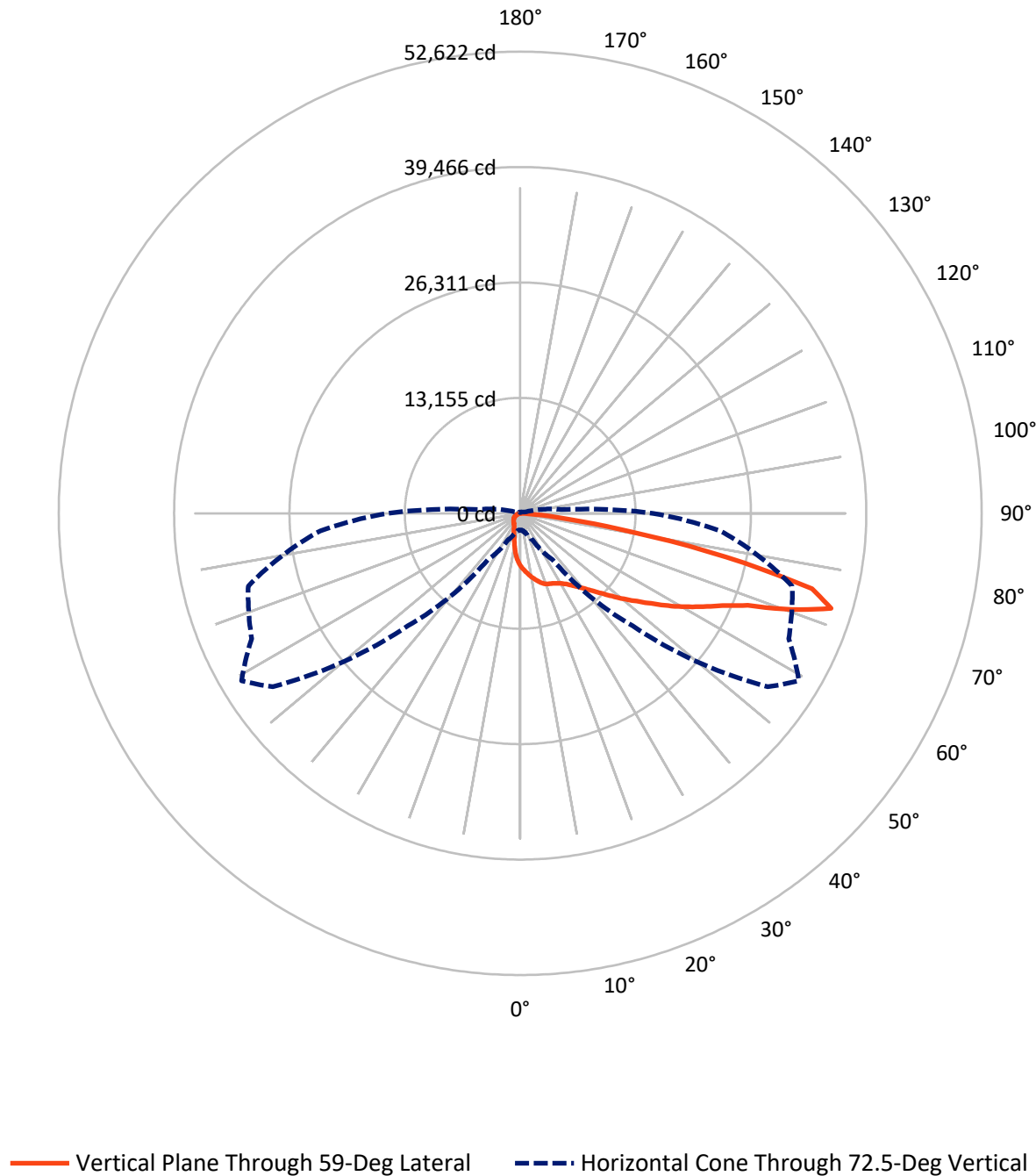
× Max cd  
- - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 11.9 fc  
Type III - Medium - N/A

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## Luminous Intensity Polar Plot



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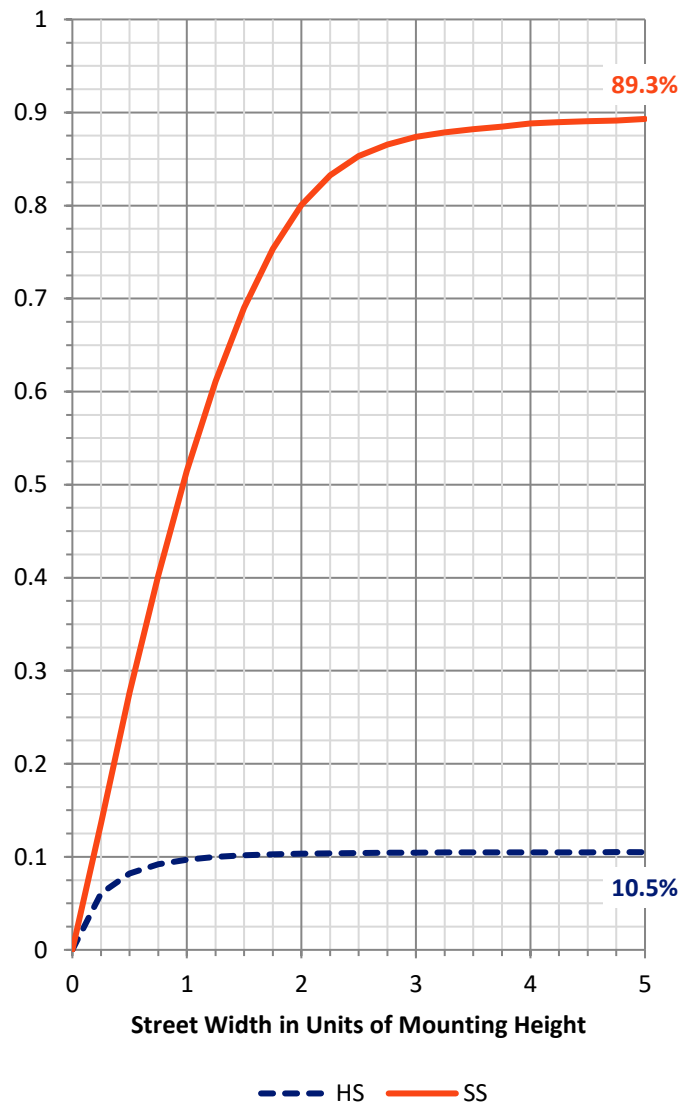
**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total   |
|--------------------|-----------|----------|--------|---------|
| <b>House Side</b>  | Lumens    | 4282.1   | 0.0    | 4282.1  |
|                    | % Fixture | 10.6     | 0.0    | 10.6    |
| <b>Street Side</b> | Lumens    | 36259.9  | 0.0    | 36259.9 |
|                    | % Fixture | 89.4     | 0.0    | 89.4    |
| <b>Total</b>       | Lumens    | 40542.0  | 0.0    | 40542.0 |
|                    | % Fixture | 100.0    | 0.0    | 100.0   |

**ZONAL LUMENS:**

| Zone      | Lumens  | % Fixture |
|-----------|---------|-----------|
| 0°-10°    | 542.4   | 1.3       |
| 10°-20°   | 1440.7  | 3.6       |
| 20°-30°   | 2283.3  | 5.6       |
| 30°-40°   | 3664.3  | 9.0       |
| 40°-50°   | 5852.6  | 14.4      |
| 50°-60°   | 8473.8  | 20.9      |
| 60°-70°   | 10056.3 | 24.8      |
| 70°-80°   | 7465.3  | 18.4      |
| 80°-90°   | 763.3   | 1.9       |
| 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°    | 40542.0 | 100.0     |
| 0°-180°   | 40542.0 | 100.0     |

**Coefficient of Utilization**



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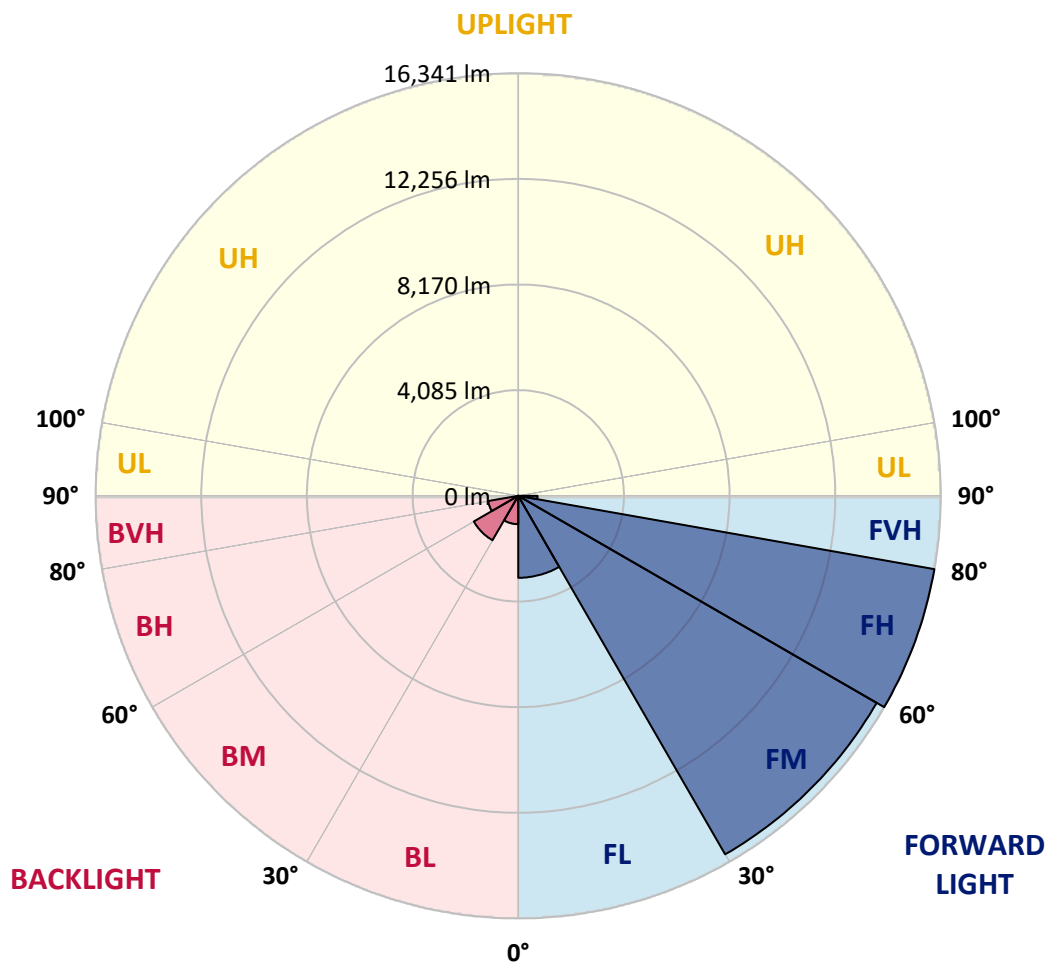
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

| Zone |             | Lumens  | % Fixture | Zone Rating/Lumen Limit |      |         |
|------|-------------|---------|-----------|-------------------------|------|---------|
|      |             |         |           | B                       | U    | G       |
| FL   | (0°-30°)    | 3169.5  | 7.8       |                         |      |         |
| FM   | (30°-60°)   | 16005.4 | 39.5      |                         |      |         |
| FH   | (60°-80°)   | 16340.7 | 40.3      |                         |      | G5      |
| FVH  | (80°-90°)   | 744.3   | 1.8       |                         |      | G4/750  |
| BL   | (0°-30°)    | 1096.9  | 2.7       | B3/2500                 |      |         |
| BM   | (30°-60°)   | 1985.3  | 4.9       | B2/2500                 |      |         |
| BH   | (60°-80°)   | 1180.9  | 2.9       | B3/2500                 |      | G3/2500 |
| BVH  | (80°-90°)   | 19.0    | 0.0       |                         |      | G1/100  |
| UL   | (90°-100°)  | 0.0     | 0.0       |                         | U0/0 |         |
| UH   | (100°-180°) | 0.0     | 0.0       |                         | U0/0 |         |

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

Type III Medium



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**CANDELA DISTRIBUTION (FULL):**

|       | 0°      | 5°      | 15°     | 25°     | 35°     | 45°     | 55°     | 59°     | 65°     | 75°     |
|-------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 0°    | 5995.2  | 5995.2  | 5995.2  | 5995.2  | 5995.2  | 5995.2  | 5995.2  | 5995.2  | 5995.2  | 5995.2  |
| 2.5°  | 6651.6  | 6614.6  | 6619.9  | 6556.3  | 6511.3  | 6463.7  | 6371.1  | 6357.8  | 6291.6  | 6175.2  |
| 5°    | 7231.3  | 7207.5  | 7186.3  | 7114.8  | 7022.2  | 6905.7  | 6749.6  | 6694.0  | 6572.2  | 6371.1  |
| 7.5°  | 7654.8  | 7625.7  | 7636.3  | 7564.8  | 7490.7  | 7361.0  | 7146.6  | 7043.4  | 6881.9  | 6574.9  |
| 10°   | 7736.8  | 7721.0  | 7789.8  | 7816.3  | 7816.3  | 7734.2  | 7525.1  | 7421.9  | 7186.3  | 6794.6  |
| 12.5° | 7276.3  | 7278.9  | 7451.0  | 7657.4  | 7927.4  | 8004.2  | 7863.9  | 7752.7  | 7519.8  | 7027.5  |
| 15°   | 6739.0  | 6741.6  | 6908.4  | 7173.1  | 7615.1  | 8057.1  | 8168.3  | 8096.8  | 7856.0  | 7278.9  |
| 17.5° | 6416.1  | 6402.8  | 6514.0  | 6731.0  | 7194.2  | 7816.3  | 8353.6  | 8401.2  | 8205.3  | 7556.9  |
| 20°   | 6371.1  | 6347.2  | 6405.5  | 6514.0  | 6844.8  | 7514.5  | 8374.7  | 8599.7  | 8565.3  | 7871.8  |
| 22.5° | 6646.3  | 6609.3  | 6577.5  | 6582.8  | 6723.1  | 7263.1  | 8321.8  | 8710.9  | 8935.9  | 8250.3  |
| 25°   | 7191.6  | 7133.4  | 7030.1  | 6897.8  | 6868.7  | 7210.1  | 8284.8  | 8832.7  | 9280.0  | 8734.7  |
| 27.5° | 7858.6  | 7776.6  | 7578.0  | 7379.5  | 7210.1  | 7358.3  | 8361.5  | 9025.9  | 9669.1  | 9298.5  |
| 30°   | 8591.8  | 8491.2  | 8292.7  | 7916.8  | 7646.9  | 7689.2  | 8544.1  | 9280.0  | 10166.7 | 9936.4  |
| 32.5° | 9669.1  | 9436.1  | 9089.4  | 8515.0  | 8157.7  | 8046.5  | 8819.4  | 9602.9  | 10783.4 | 10786.1 |
| 35°   | 10592.8 | 10463.1 | 10113.8 | 9399.1  | 8665.9  | 8520.3  | 9182.0  | 10058.2 | 11638.4 | 11911.0 |
| 37.5° | 11199.0 | 11021.6 | 10714.6 | 10177.3 | 9454.7  | 9007.4  | 9666.4  | 10616.7 | 12543.6 | 13192.1 |
| 40°   | 11876.6 | 11701.9 | 11294.3 | 10788.7 | 10370.5 | 9843.8  | 10277.9 | 11259.9 | 13536.2 | 14507.6 |
| 42.5° | 12694.5 | 12466.8 | 11985.1 | 11439.8 | 11003.1 | 10944.9 | 11077.2 | 12061.9 | 14555.2 | 15936.9 |
| 45°   | 13655.3 | 13440.9 | 12887.7 | 12199.5 | 11815.7 | 11712.5 | 12083.0 | 12996.2 | 15690.7 | 17503.9 |
| 47.5° | 14555.2 | 14306.4 | 13710.9 | 13083.6 | 12657.4 | 12331.8 | 13152.4 | 14100.0 | 16977.1 | 19142.3 |
| 50°   | 15320.2 | 15066.1 | 14520.8 | 13851.2 | 13562.6 | 13136.5 | 14203.2 | 15330.8 | 18252.9 | 20807.2 |
| 52.5° | 15844.3 | 15619.3 | 14978.7 | 14523.5 | 14327.6 | 14113.2 | 15434.0 | 16635.7 | 19523.4 | 22331.8 |
| 55°   | 15725.1 | 15524.0 | 14960.2 | 14928.4 | 14915.2 | 15140.2 | 16905.7 | 18115.3 | 20817.8 | 23774.3 |
| 57.5° | 15346.6 | 15119.0 | 14414.9 | 14899.3 | 15367.8 | 16056.0 | 18499.1 | 19864.9 | 22236.5 | 25134.8 |
| 60°   | 14232.3 | 14152.9 | 13724.1 | 14843.7 | 15558.4 | 16953.3 | 20320.1 | 21622.4 | 23771.7 | 26331.2 |
| 62.5° | 11873.9 | 11942.7 | 11940.1 | 14960.2 | 15902.5 | 17975.0 | 21974.4 | 23401.1 | 25272.5 | 27482.6 |
| 65°   | 8890.9  | 9129.1  | 9433.5  | 13912.0 | 16363.0 | 19798.7 | 23951.7 | 25330.7 | 26797.1 | 28821.9 |
| 67.5° | 5974.0  | 6164.6  | 6371.1  | 11413.4 | 14992.0 | 21715.1 | 27236.5 | 27974.9 | 28623.4 | 30306.8 |
| 70°   | 3419.8  | 3480.7  | 3769.2  | 7128.1  | 11556.3 | 21185.7 | 32585.8 | 32853.1 | 31347.1 | 32135.8 |
| 72.5° | 1916.3  | 1895.2  | 2276.3  | 3382.7  | 6458.4  | 18141.8 | 34459.8 | 37067.0 | 33784.8 | 32106.7 |
| 75°   | 1281.1  | 1283.7  | 1567.0  | 2133.4  | 2517.2  | 12699.8 | 29695.4 | 34369.8 | 32323.8 | 28469.9 |
| 77.5° | 873.5   | 902.6   | 1151.4  | 1649.0  | 1164.6  | 6196.4  | 19645.2 | 24076.1 | 26169.8 | 21985.0 |
| 80°   | 378.5   | 381.2   | 759.7   | 1183.2  | 786.1   | 1971.9  | 10185.2 | 12898.3 | 16413.3 | 12345.1 |
| 82.5° | 195.9   | 222.3   | 484.4   | 764.9   | 495.0   | 690.8   | 4812.0  | 5635.2  | 6887.2  | 3623.6  |
| 85°   | 68.8    | 82.1    | 299.1   | 375.9   | 248.8   | 246.2   | 1675.5  | 1707.2  | 1458.4  | 545.3   |
| 87.5° | 0.0     | 13.2    | 116.5   | 92.6    | 31.8    | 29.1    | 198.5   | 166.8   | 132.3   | 76.8    |
| 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):**

| 85°     |       | 90°     | 95°    | 105°   | 115°   | 125°   | 135°   | 145°   | 155°   | 165°   | 175°   |
|---------|-------|---------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 5995.2  | 0°    | 5995.2  | 5995.2 | 5995.2 | 5995.2 | 5995.2 | 5995.2 | 5995.2 | 5995.2 | 5995.2 | 5995.2 |
| 6056.1  | 2.5°  | 6000.5  | 5929.0 | 5812.6 | 5669.6 | 5502.9 | 5412.9 | 5283.2 | 5203.8 | 5132.3 | 5135.0 |
| 6138.1  | 5°    | 6008.4  | 5889.3 | 5592.9 | 5277.9 | 4928.5 | 4671.8 | 4385.9 | 4184.7 | 4031.2 | 3994.2 |
| 6222.8  | 7.5°  | 6032.3  | 5831.1 | 5346.7 | 4822.6 | 4240.3 | 3808.9 | 3414.5 | 3165.7 | 3025.4 | 2988.3 |
| 6310.2  | 10°   | 6064.0  | 5767.6 | 5068.8 | 4266.8 | 3544.2 | 3025.4 | 2697.2 | 2538.4 | 2474.8 | 2427.2 |
| 6421.3  | 12.5° | 6090.5  | 5701.4 | 4719.4 | 3692.4 | 2924.8 | 2519.8 | 2271.0 | 2138.7 | 2083.1 | 2048.7 |
| 6551.0  | 15°   | 6135.5  | 5614.0 | 4340.9 | 3157.7 | 2506.6 | 2175.7 | 1940.2 | 1842.2 | 1826.4 | 1831.6 |
| 6694.0  | 17.5° | 6180.5  | 5529.3 | 3917.4 | 2739.5 | 2199.6 | 1874.0 | 1731.1 | 1715.2 | 1736.4 | 1757.5 |
| 6858.1  | 20°   | 6230.8  | 5407.6 | 3488.6 | 2424.5 | 1916.3 | 1664.9 | 1627.8 | 1638.4 | 1649.0 | 1686.1 |
| 7083.1  | 22.5° | 6304.9  | 5254.1 | 3112.7 | 2157.2 | 1680.8 | 1564.3 | 1545.8 | 1553.7 | 1561.7 | 1598.7 |
| 7379.5  | 25°   | 6410.8  | 5090.0 | 2808.3 | 1911.1 | 1532.5 | 1482.3 | 1463.7 | 1463.7 | 1474.3 | 1508.7 |
| 7723.6  | 27.5° | 6521.9  | 4857.0 | 2562.2 | 1683.4 | 1445.2 | 1392.3 | 1360.5 | 1360.5 | 1373.7 | 1413.4 |
| 8155.1  | 30°   | 6646.3  | 4645.3 | 2369.0 | 1514.0 | 1371.1 | 1302.3 | 1259.9 | 1249.3 | 1265.2 | 1315.5 |
| 8779.7  | 32.5° | 6871.3  | 4507.6 | 2231.3 | 1434.6 | 1304.9 | 1220.2 | 1162.0 | 1132.9 | 1148.7 | 1207.0 |
| 9653.2  | 35°   | 7212.8  | 4475.9 | 2136.0 | 1394.9 | 1241.4 | 1146.1 | 1064.0 | 1019.1 | 1032.3 | 1093.2 |
| 10730.5 | 37.5° | 7612.4  | 4542.1 | 2043.4 | 1342.0 | 1180.5 | 1074.6 | 966.1  | 907.9  | 929.1  | 984.6  |
| 11961.3 | 40°   | 8186.8  | 4817.3 | 1971.9 | 1302.3 | 1119.6 | 989.9  | 868.2  | 809.9  | 844.4  | 892.0  |
| 13242.4 | 42.5° | 8880.3  | 5307.0 | 1953.4 | 1265.2 | 1045.5 | 899.9  | 778.2  | 735.8  | 762.3  | 807.3  |
| 14536.7 | 45°   | 9740.5  | 5931.7 | 2038.1 | 1217.6 | 963.5  | 812.6  | 706.7  | 682.9  | 690.8  | 735.8  |
| 15759.6 | 47.5° | 10664.3 | 6572.2 | 2271.0 | 1175.2 | 892.0  | 741.1  | 651.1  | 630.0  | 624.7  | 667.0  |
| 16876.5 | 50°   | 11598.7 | 7141.3 | 2546.3 | 1143.5 | 841.7  | 682.9  | 608.8  | 582.3  | 569.1  | 595.5  |
| 17980.3 | 52.5° | 12522.4 | 7593.9 | 2726.3 | 1090.5 | 791.4  | 624.7  | 571.7  | 532.0  | 508.2  | 521.4  |
| 19078.8 | 55°   | 13459.4 | 7990.9 | 2736.9 | 1011.1 | 743.8  | 587.6  | 534.7  | 489.7  | 460.6  | 460.6  |
| 20137.5 | 57.5° | 14335.5 | 8340.3 | 2580.7 | 905.2  | 677.6  | 553.2  | 484.4  | 447.3  | 415.6  | 405.0  |
| 21077.2 | 60°   | 15111.1 | 8599.7 | 2321.3 | 786.1  | 619.4  | 508.2  | 434.1  | 405.0  | 365.3  | 344.1  |
| 21913.6 | 62.5° | 15801.9 | 8726.8 | 1966.6 | 664.4  | 547.9  | 455.3  | 386.4  | 354.7  | 301.7  | 275.3  |
| 22763.2 | 65°   | 16386.9 | 8597.1 | 1596.1 | 550.6  | 487.0  | 397.0  | 330.9  | 299.1  | 240.9  | 209.1  |
| 23718.7 | 67.5° | 16966.5 | 8004.2 | 1207.0 | 463.2  | 423.5  | 333.5  | 272.6  | 243.5  | 201.2  | 174.7  |
| 24414.9 | 70°   | 17040.7 | 6757.5 | 844.4  | 389.1  | 352.0  | 256.7  | 219.7  | 201.2  | 164.1  | 140.3  |
| 22861.2 | 72.5° | 15169.3 | 4862.3 | 513.5  | 317.6  | 275.3  | 182.6  | 174.7  | 158.8  | 121.8  | 105.9  |
| 18679.1 | 75°   | 12125.4 | 2980.4 | 301.7  | 238.2  | 182.6  | 129.7  | 129.7  | 113.8  | 82.1   | 68.8   |
| 12895.6 | 77.5° | 8380.0  | 1559.0 | 177.3  | 153.5  | 108.5  | 76.8   | 84.7   | 68.8   | 39.7   | 31.8   |
| 5108.5  | 80°   | 3356.3  | 592.9  | 95.3   | 71.5   | 50.3   | 34.4   | 29.1   | 15.9   | 7.9    | 5.3    |
| 1048.2  | 82.5° | 669.7   | 156.2  | 31.8   | 18.5   | 18.5   | 7.9    | 0.0    | 0.0    | 0.0    | 0.0    |
| 288.5   | 85°   | 172.0   | 34.4   | 7.9    | 5.3    | 5.3    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 95.3    | 87.5° | 52.9    | 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    |

(END O



| 180°   |
|--------|
| 5995.2 |
| 5193.2 |
| 4049.7 |
| 3025.4 |
| 2456.3 |
| 2067.2 |
| 1839.6 |
| 1765.5 |
| 1696.7 |
| 1609.3 |
| 1522.0 |
| 1429.3 |
| 1328.7 |
| 1222.9 |
| 1111.7 |
| 1000.5 |
| 899.9  |
| 815.2  |
| 757.0  |
| 693.5  |
| 606.1  |
| 532.0  |
| 465.9  |
| 407.6  |
| 338.8  |
| 272.6  |
| 209.1  |
| 174.7  |
| 137.6  |
| 103.2  |
| 68.8   |
| 31.8   |
| 7.9    |
| 0.0    |
| 0.0    |
| 0.0    |
| 0.0    |