

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: P950296

Luminaire Tested: **GLAN-SB4D-750-U-SL2**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P950296
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-10)
Test Lab: INNOVATION CENTER
Issue Date: 1/21/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SB4D-750-U-SL2
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(4) 70 CRI, 5000K, 900mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE II SPILL
LIGHT ELIMINATOR OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 42886 lumens
Efficiency: N/A
Efficacy: 146.1 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B4 - U0 - G5

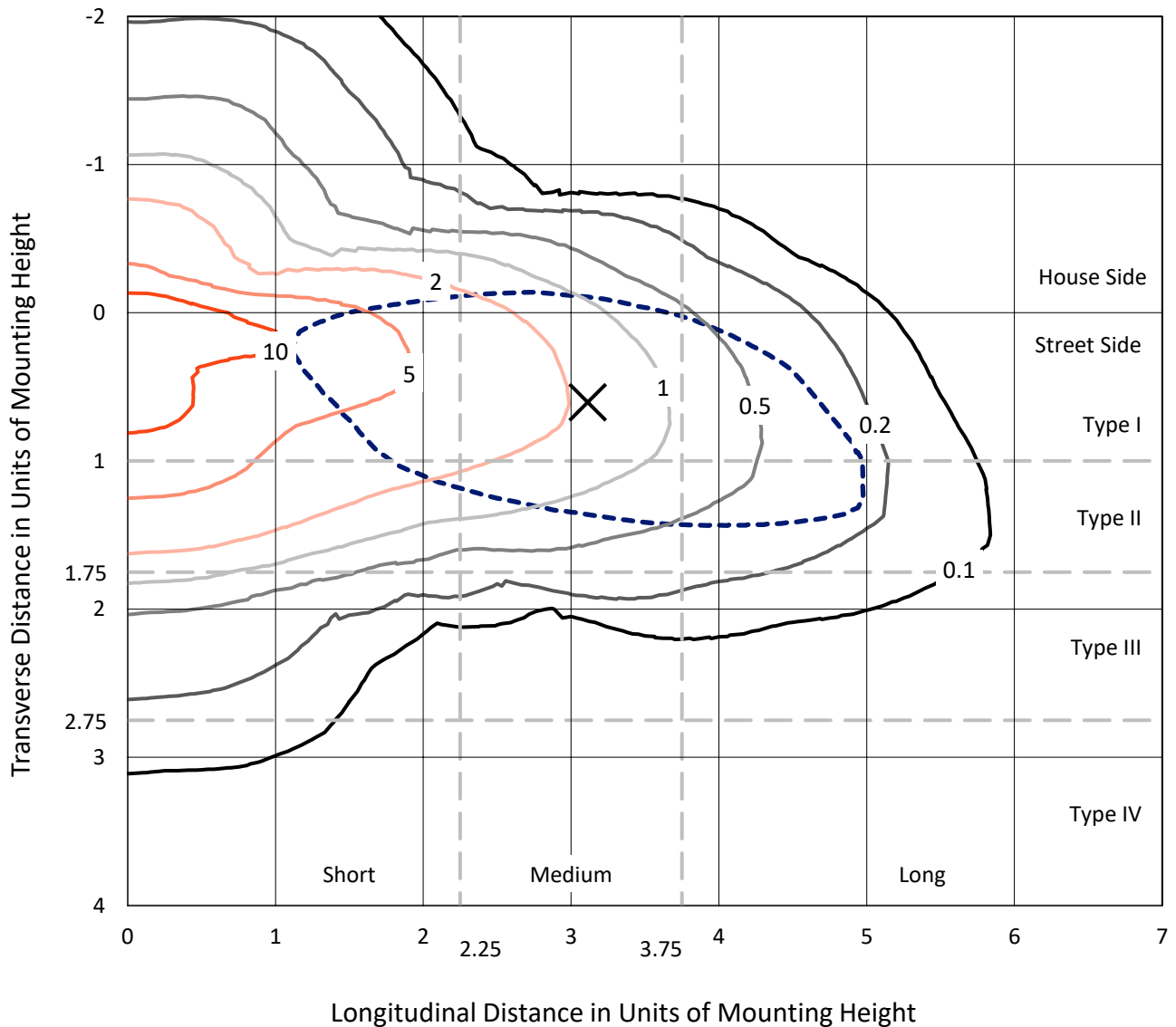
Input Watts (W): 293.6
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

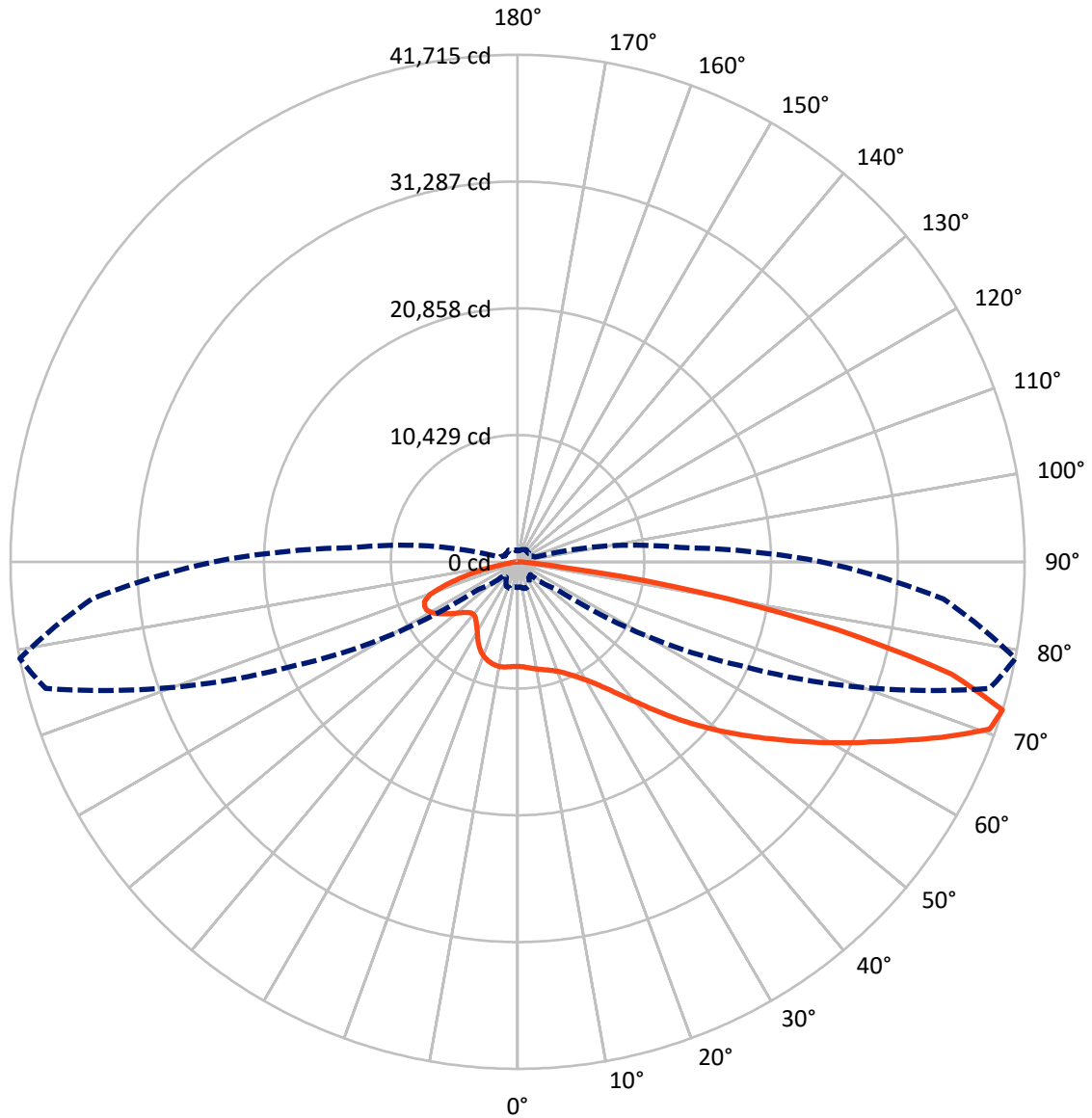
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 13.8 fc
 Type II - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 79-Deg Lateral - - - Horizontal Cone Through 72.5-Deg Vertical

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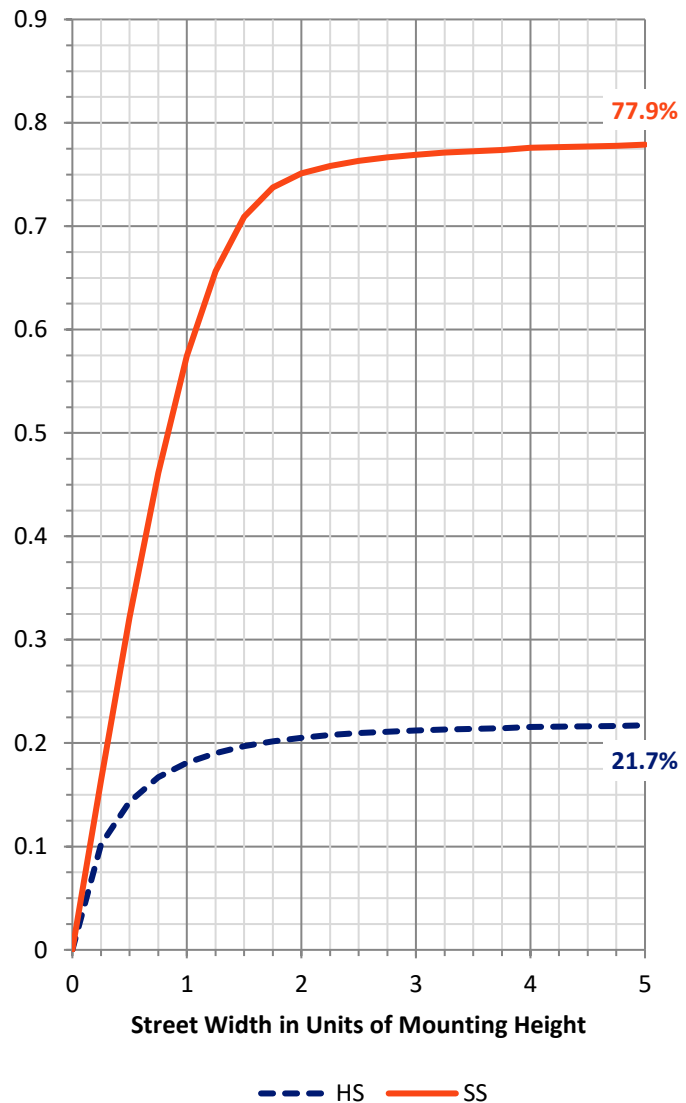
FLUX DISTRIBUTION:

| | | Downward | Upward | Total |
|--------------------|-----------|----------|--------|---------|
| House Side | Lumens | 9437.3 | 0.0 | 9437.3 |
| | % Fixture | 22.0 | 0.0 | 22.0 |
| Street Side | Lumens | 33448.7 | 0.0 | 33448.7 |
| | % Fixture | 78.0 | 0.0 | 78.0 |
| Total | Lumens | 42886.0 | 0.0 | 42886.0 |
| | % Fixture | 100.0 | 0.0 | 100.0 |

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|---------|-----------|
| 0°-10° | 781.4 | 1.8 |
| 10°-20° | 2043.1 | 4.8 |
| 20°-30° | 3296.7 | 7.7 |
| 30°-40° | 4947.9 | 11.5 |
| 40°-50° | 7018.9 | 16.4 |
| 50°-60° | 8863.9 | 20.7 |
| 60°-70° | 9002.5 | 21.0 |
| 70°-80° | 6135.6 | 14.3 |
| 80°-90° | 796.0 | 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° | 42886.0 | 100.0 |
| 0°-180° | 42886.0 | 100.0 |

Coefficient of Utilization

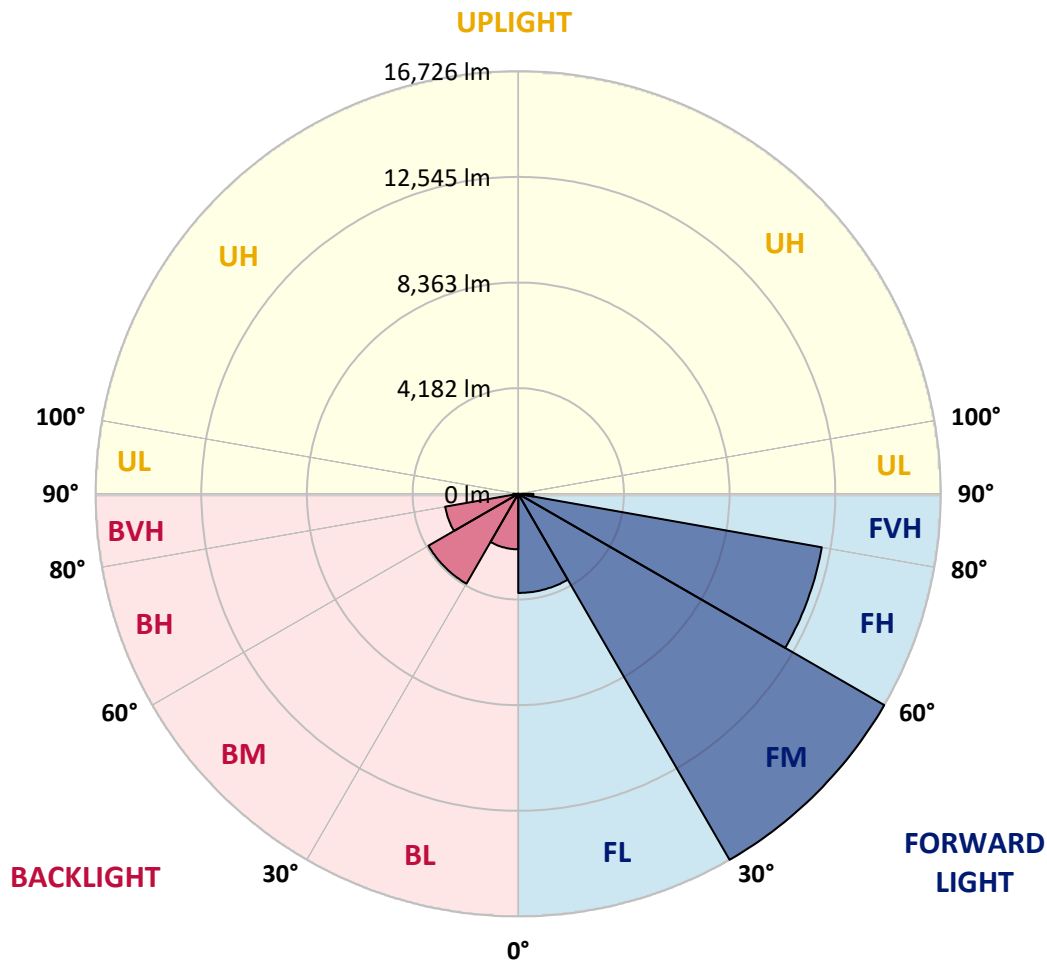


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

| Zone | Lumens | % Fixture | Zone Rating/Lumen Limit | | |
|----------------|---------|-----------|-------------------------|------|---------|
| | | | B | U | G |
| FL (0°-30°) | 3923.0 | 9.1 | | | |
| FM (30°-60°) | 16726.4 | 39.0 | | | |
| FH (60°-80°) | 12199.6 | 28.4 | | | G5 |
| FVH (80°-90°) | 599.7 | 1.4 | | | G4/750 |
| BL (0°-30°) | 2198.2 | 5.1 | B3/2500 | | |
| BM (30°-60°) | 4104.2 | 9.6 | B3/5000 | | |
| BH (60°-80°) | 2938.5 | 6.9 | B4/5000 | | G4/5000 |
| BVH (80°-90°) | 196.4 | 0.5 | | | G2/225 |
| UL (90°-100°) | 0.0 | 0.0 | | U0/0 | |
| UH (100°-180°) | 0.0 | 0.0 | | U0/0 | |

BUG Rating: B4-U0-G5
 Type II Medium



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CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 15° | 25° | 35° | 45° | 55° | 65° | 75° | 79° |
|-------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 0° | 8609.0 | 8609.0 | 8609.0 | 8609.0 | 8609.0 | 8609.0 | 8609.0 | 8609.0 | 8609.0 | 8609.0 |
| 2.5° | 8613.5 | 8572.7 | 8597.6 | 8588.5 | 8599.9 | 8613.5 | 8618.0 | 8624.8 | 8647.5 | 8645.3 |
| 5° | 8595.3 | 8554.5 | 8588.5 | 8577.2 | 8606.7 | 8638.4 | 8665.7 | 8690.6 | 8726.9 | 8742.8 |
| 7.5° | 8556.8 | 8529.6 | 8563.6 | 8597.6 | 8652.1 | 8699.7 | 8738.3 | 8795.0 | 8847.1 | 8856.2 |
| 10° | 8332.2 | 8311.8 | 8391.2 | 8479.7 | 8629.4 | 8758.7 | 8842.6 | 8908.4 | 8965.1 | 8974.2 |
| 12.5° | 8098.5 | 8073.6 | 8162.1 | 8282.3 | 8525.0 | 8758.7 | 8935.6 | 9021.8 | 9071.7 | 9101.2 |
| 15° | 8060.0 | 8039.6 | 8089.5 | 8193.8 | 8395.7 | 8697.4 | 8999.1 | 9157.9 | 9201.0 | 9235.1 |
| 17.5° | 8246.0 | 8207.4 | 8227.8 | 8264.1 | 8382.1 | 8640.7 | 9049.0 | 9312.2 | 9378.0 | 9414.3 |
| 20° | 8677.0 | 8622.6 | 8590.8 | 8518.2 | 8497.8 | 8649.8 | 9044.5 | 9498.2 | 9584.4 | 9629.8 |
| 22.5° | 9250.9 | 9214.6 | 9146.6 | 8962.8 | 8763.2 | 8760.9 | 9130.7 | 9736.4 | 9897.5 | 9940.6 |
| 25° | 9945.1 | 9890.7 | 9804.5 | 9554.9 | 9171.5 | 8981.0 | 9275.9 | 10040.4 | 10310.3 | 10321.7 |
| 27.5° | 10743.6 | 10661.9 | 10544.0 | 10215.1 | 9697.8 | 9325.8 | 9498.2 | 10389.7 | 10784.4 | 10779.9 |
| 30° | 11585.2 | 11503.6 | 11378.8 | 10979.5 | 10328.5 | 9790.8 | 9806.7 | 10766.3 | 11347.0 | 11322.1 |
| 32.5° | 12200.0 | 12138.7 | 12113.8 | 11805.3 | 11054.4 | 10339.8 | 10160.6 | 11183.7 | 12041.2 | 12018.5 |
| 35° | 12671.8 | 12592.4 | 12621.9 | 12465.4 | 11846.1 | 10954.6 | 10593.9 | 11680.5 | 12885.1 | 12882.8 |
| 37.5° | 13139.2 | 13068.8 | 13093.8 | 12989.4 | 12578.8 | 11734.9 | 11122.5 | 12288.5 | 13930.9 | 13980.8 |
| 40° | 13565.6 | 13490.8 | 13590.6 | 13493.0 | 13148.2 | 12565.2 | 11723.6 | 12975.8 | 15142.2 | 15237.5 |
| 42.5° | 13822.0 | 13763.0 | 13928.6 | 13930.9 | 13642.8 | 13266.2 | 12383.7 | 13733.5 | 16544.2 | 16757.4 |
| 45° | 13910.4 | 13890.0 | 14139.6 | 14191.7 | 14080.6 | 13672.2 | 12978.1 | 14559.2 | 18055.0 | 18436.1 |
| 47.5° | 13815.2 | 13776.6 | 14121.4 | 14314.2 | 14402.7 | 13862.8 | 13470.4 | 15453.0 | 19597.6 | 20155.6 |
| 50° | 13334.2 | 13259.4 | 13772.1 | 14178.1 | 14493.4 | 13987.6 | 13967.2 | 16485.2 | 21351.1 | 21961.3 |
| 52.5° | 12469.9 | 12413.2 | 12996.2 | 13701.7 | 14293.8 | 14048.8 | 14525.2 | 17612.6 | 23016.2 | 23805.6 |
| 55° | 11365.2 | 11290.3 | 11932.3 | 12853.3 | 13797.0 | 14028.4 | 15083.3 | 18873.9 | 24980.7 | 25781.5 |
| 57.5° | 9613.9 | 9464.2 | 10276.3 | 11365.2 | 12987.2 | 14003.4 | 15664.0 | 20128.4 | 26977.0 | 27936.6 |
| 60° | 7059.6 | 6837.3 | 7833.1 | 9123.9 | 11403.7 | 13760.7 | 16383.1 | 21534.9 | 29372.5 | 30236.8 |
| 62.5° | 4110.5 | 3981.2 | 4632.3 | 5836.8 | 8595.3 | 12331.6 | 16786.9 | 23170.5 | 31727.2 | 32634.6 |
| 65° | 3191.8 | 3155.5 | 3212.2 | 3305.2 | 4784.3 | 9232.8 | 15541.5 | 24765.2 | 34721.7 | 35356.8 |
| 67.5° | 2919.6 | 2892.3 | 2917.3 | 2742.6 | 2427.3 | 5142.7 | 12295.3 | 25169.0 | 37929.3 | 38315.0 |
| 70° | 2595.2 | 2563.4 | 2645.1 | 2495.3 | 1910.1 | 2338.8 | 7944.3 | 23703.6 | 40481.4 | 41205.0 |
| 72.5° | 2114.2 | 2077.9 | 2268.5 | 2200.4 | 1608.4 | 1501.7 | 3990.3 | 20221.4 | 40213.7 | 41715.4 |
| 75° | 1624.2 | 1603.8 | 1830.7 | 1887.4 | 1311.2 | 1181.9 | 1914.6 | 15031.1 | 35388.6 | 36901.7 |
| 77.5° | 1261.3 | 1245.4 | 1361.1 | 1567.5 | 1057.1 | 916.5 | 1177.4 | 9534.5 | 26668.5 | 26933.9 |
| 80° | 946.0 | 900.6 | 1007.2 | 1213.6 | 823.5 | 669.2 | 798.5 | 5560.1 | 16857.2 | 15280.6 |
| 82.5° | 592.1 | 569.4 | 657.9 | 809.9 | 580.7 | 460.5 | 519.5 | 3071.5 | 6755.6 | 3978.9 |
| 85° | 338.0 | 328.9 | 358.4 | 462.8 | 315.3 | 265.4 | 297.2 | 1356.6 | 1234.1 | 848.4 |
| 87.5° | 136.1 | 131.6 | 163.3 | 206.4 | 115.7 | 97.5 | 104.4 | 326.7 | 272.2 | 251.8 |
| 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° |
|---------|-------|---------|---------|--------|--------|--------|--------|--------|--------|--------|--------|
| 8609.0 | 0° | 8609.0 | 8609.0 | 8609.0 | 8609.0 | 8609.0 | 8609.0 | 8609.0 | 8609.0 | 8609.0 | 8609.0 |
| 8643.0 | 2.5° | 8633.9 | 8633.9 | 8602.2 | 8552.2 | 8495.5 | 8459.2 | 8400.3 | 8384.4 | 8323.1 | 8305.0 |
| 8720.1 | 5° | 8738.3 | 8720.1 | 8622.6 | 8481.9 | 8289.1 | 8112.2 | 7917.1 | 7794.6 | 7622.2 | 7560.9 |
| 8872.1 | 7.5° | 8869.8 | 8819.9 | 8652.1 | 8343.5 | 7939.7 | 7542.8 | 7129.9 | 6816.8 | 6517.4 | 6410.8 |
| 8996.9 | 10° | 8990.1 | 8919.7 | 8633.9 | 8094.0 | 7395.3 | 6708.0 | 6050.1 | 5589.6 | 5240.2 | 5097.3 |
| 9135.2 | 12.5° | 9110.3 | 8981.0 | 8513.7 | 7678.9 | 6621.8 | 5689.4 | 4988.4 | 4630.0 | 4414.5 | 4242.1 |
| 9248.7 | 15° | 9223.7 | 9042.2 | 8327.7 | 7123.1 | 5773.3 | 4827.4 | 4310.1 | 4024.3 | 3851.9 | 3738.5 |
| 9414.3 | 17.5° | 9355.3 | 9094.4 | 8048.6 | 6417.6 | 4965.7 | 4230.8 | 3808.8 | 3636.4 | 3602.4 | 3588.8 |
| 9641.1 | 20° | 9539.0 | 9142.1 | 7681.1 | 5628.1 | 4371.4 | 3754.4 | 3536.6 | 3520.7 | 3518.4 | 3511.6 |
| 9913.3 | 22.5° | 9736.4 | 9198.8 | 7195.7 | 4911.3 | 3865.5 | 3457.2 | 3418.6 | 3386.9 | 3366.5 | 3364.2 |
| 10242.3 | 25° | 9970.1 | 9216.9 | 6587.7 | 4323.8 | 3434.5 | 3316.5 | 3271.2 | 3223.5 | 3209.9 | 3209.9 |
| 10616.6 | 27.5° | 10196.9 | 9155.7 | 5880.0 | 3813.3 | 3191.8 | 3187.2 | 3128.3 | 3112.4 | 3110.1 | 3116.9 |
| 11043.1 | 30° | 10423.8 | 9040.0 | 5176.7 | 3341.5 | 3051.1 | 3051.1 | 3030.7 | 3042.1 | 3051.1 | 3073.8 |
| 11628.3 | 32.5° | 10730.0 | 8917.5 | 4589.2 | 2992.2 | 2928.6 | 2905.9 | 2926.4 | 2949.0 | 2958.1 | 2987.6 |
| 12397.4 | 35° | 11179.2 | 8831.3 | 4121.9 | 2801.6 | 2801.6 | 2772.1 | 2783.4 | 2778.9 | 2758.5 | 2744.9 |
| 13327.4 | 37.5° | 11773.5 | 8826.7 | 3736.2 | 2713.1 | 2695.0 | 2690.4 | 2692.7 | 2663.2 | 2583.8 | 2488.5 |
| 14452.6 | 40° | 12488.1 | 8949.2 | 3439.0 | 2651.9 | 2638.3 | 2665.5 | 2651.9 | 2572.5 | 2354.7 | 2189.1 |
| 15836.4 | 42.5° | 13447.7 | 9298.6 | 3248.5 | 2577.0 | 2617.8 | 2651.9 | 2597.4 | 2322.9 | 2175.5 | 2064.3 |
| 17413.0 | 45° | 14577.4 | 9865.7 | 3150.9 | 2497.6 | 2579.3 | 2620.1 | 2357.0 | 2236.7 | 2118.8 | 1984.9 |
| 19132.5 | 47.5° | 15856.8 | 10580.3 | 3128.3 | 2422.8 | 2493.1 | 2518.0 | 2254.9 | 2200.4 | 2066.6 | 1921.4 |
| 20861.1 | 50° | 17249.7 | 11426.4 | 3189.5 | 2334.3 | 2368.3 | 2282.1 | 2220.9 | 2171.0 | 2032.6 | 1889.7 |
| 22632.8 | 52.5° | 18690.2 | 12358.8 | 3312.0 | 2214.1 | 2243.5 | 2148.3 | 2207.3 | 2164.1 | 2012.2 | 1819.3 |
| 24463.5 | 55° | 20105.7 | 13297.9 | 3430.0 | 2073.4 | 2116.5 | 2028.0 | 2168.7 | 2136.9 | 1919.2 | 1701.4 |
| 26416.7 | 57.5° | 21543.9 | 14232.6 | 3545.7 | 1948.6 | 1994.0 | 1912.3 | 2107.4 | 2064.3 | 1814.8 | 1592.5 |
| 28549.1 | 60° | 23038.9 | 15140.0 | 3600.1 | 1828.4 | 1860.2 | 1805.7 | 2014.4 | 1939.6 | 1696.8 | 1481.3 |
| 30645.2 | 62.5° | 24438.5 | 15895.4 | 3511.6 | 1708.2 | 1728.6 | 1705.9 | 1891.9 | 1792.1 | 1578.9 | 1356.6 |
| 32829.7 | 65° | 25842.7 | 16344.5 | 3239.4 | 1590.2 | 1594.8 | 1583.4 | 1719.5 | 1633.3 | 1440.5 | 1247.7 |
| 34742.1 | 67.5° | 27115.4 | 16596.3 | 2806.1 | 1463.2 | 1451.8 | 1447.3 | 1558.5 | 1460.9 | 1306.7 | 1138.8 |
| 36196.2 | 70° | 27385.3 | 15956.6 | 2143.7 | 1313.5 | 1313.5 | 1302.1 | 1381.5 | 1281.7 | 1159.2 | 1023.1 |
| 35154.9 | 72.5° | 25012.5 | 13422.7 | 1522.2 | 1143.3 | 1161.5 | 1138.8 | 1204.6 | 1120.6 | 1009.5 | 918.7 |
| 30298.1 | 75° | 20169.2 | 9843.0 | 1107.0 | 968.6 | 1000.4 | 961.8 | 1023.1 | 964.1 | 868.8 | 866.6 |
| 20879.3 | 77.5° | 13858.3 | 6086.4 | 803.0 | 798.5 | 821.2 | 771.3 | 841.6 | 809.9 | 723.7 | 685.1 |
| 9087.6 | 80° | 5914.0 | 2427.3 | 585.3 | 617.0 | 617.0 | 571.7 | 653.3 | 662.4 | 587.5 | 569.4 |
| 1753.6 | 82.5° | 1177.4 | 689.6 | 410.6 | 424.2 | 399.3 | 385.6 | 462.8 | 512.7 | 707.8 | 787.2 |
| 528.6 | 85° | 353.9 | 254.1 | 247.3 | 231.4 | 204.2 | 206.4 | 272.2 | 514.9 | 635.2 | 363.0 |
| 174.7 | 87.5° | 97.5 | 63.5 | 65.8 | 52.2 | 43.1 | 56.7 | 93.0 | 390.2 | 213.2 | 90.7 |
| 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° |
|--------|
| 8609.0 |
| 8334.5 |
| 7606.3 |
| 6424.4 |
| 5129.1 |
| 4298.8 |
| 3758.9 |
| 3597.8 |
| 3534.3 |
| 3389.1 |
| 3223.5 |
| 3135.1 |
| 3089.7 |
| 3012.6 |
| 2776.6 |
| 2490.8 |
| 2184.6 |
| 2059.8 |
| 1975.9 |
| 1910.1 |
| 1873.8 |
| 1805.7 |
| 1690.0 |
| 1587.9 |
| 1474.5 |
| 1354.3 |
| 1234.1 |
| 1125.2 |
| 1018.6 |
| 891.5 |
| 780.4 |
| 642.0 |
| 569.4 |
| 789.4 |
| 313.1 |
| 77.1 |
| 0.0 |

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