

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: McGRAW-EDISON

Report Number: P945261

Luminaire Tested: **GALN-SB1B-735-U-SLR-HSS**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P945261
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-9)
Test Lab: INNOVATION CENTER
Issue Date: 1/21/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SB1B-735-U-SLR-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(1) 70 CRI, 3500K, 450mA LIGHTSQUARE WITH 26 LEDS AND SPILL LIGHT
ELIMINATOR RIGHT OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4299 lumens
Efficiency: N/A
Efficacy: 108.0 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B1 - U0 - G2

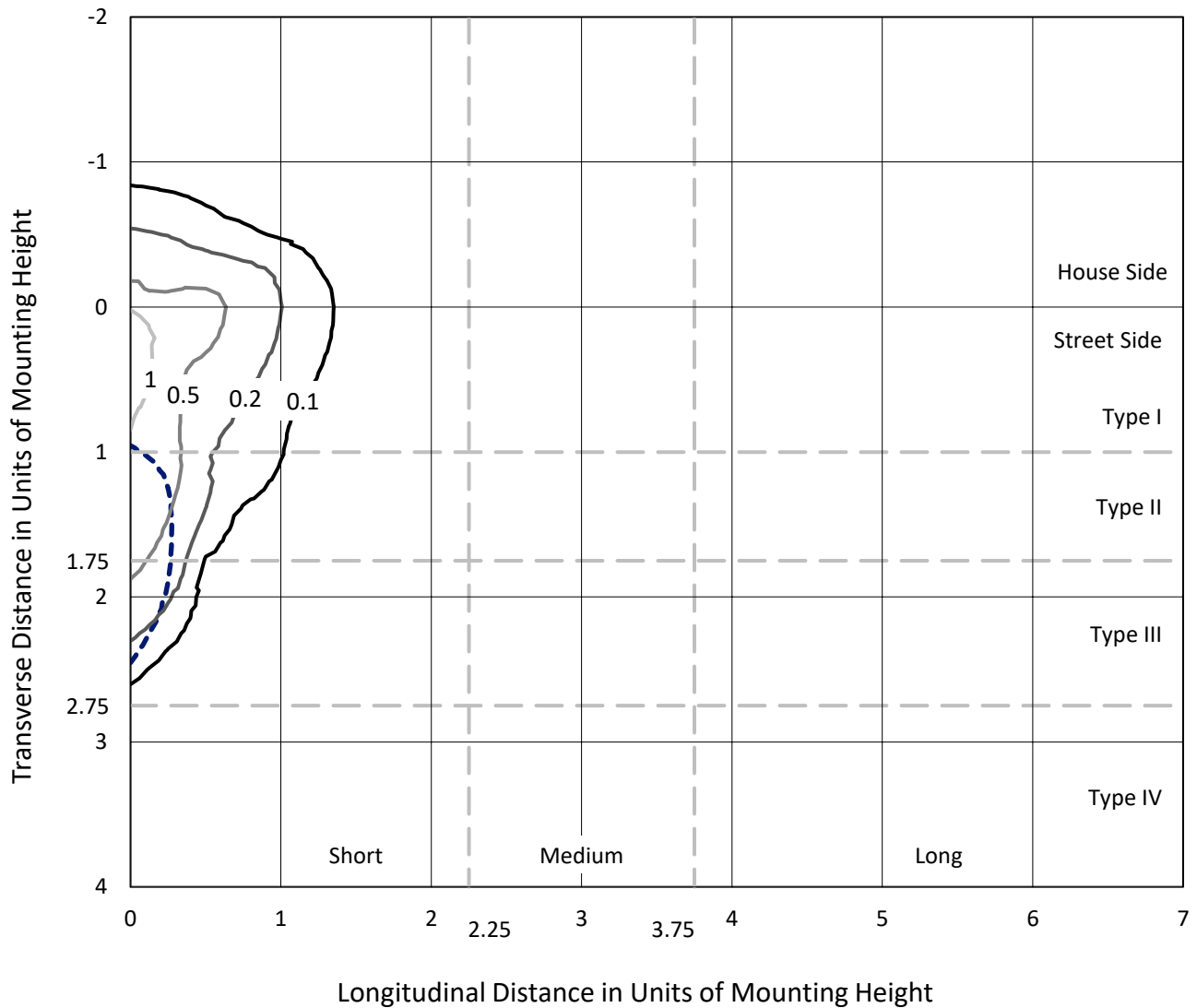
Input Watts (W): 39.8
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P945261
 CATALOG NUMBER: GALN-SB1B-735-U-SLR-HSS

Iso-Footcandle Lines of Horizontal Illumination

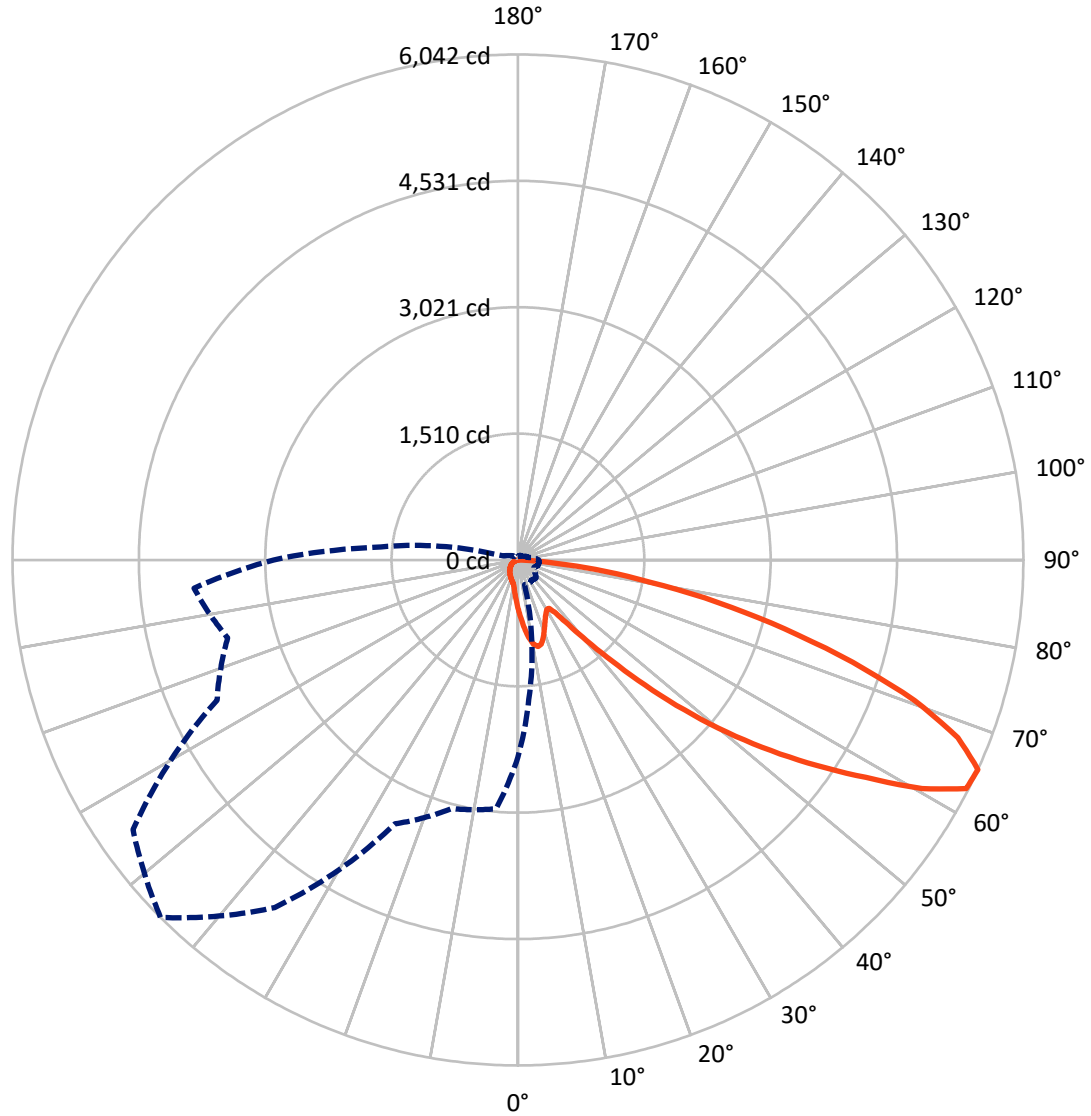
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.3 fc
 Type IV - Short - N/A

REPORT NUMBER: P945261
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Luminous Intensity Polar Plot



— Vertical Plane Through 315-Deg Lateral - - - Horizontal Cone Through 65-Deg Vertical

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FLUX DISTRIBUTION:

| | | Downward | Upward | Total |
|--------------------|-----------|----------|--------|--------|
| House Side | Lumens | 602.0 | 0.0 | 602.0 |
| | % Fixture | 14.0 | 0.0 | 14.0 |
| Street Side | Lumens | 3697.0 | 0.0 | 3697.0 |
| | % Fixture | 86.0 | 0.0 | 86.0 |
| Total | Lumens | 4299.0 | 0.0 | 4299.0 |
| | % Fixture | 100.0 | 0.0 | 100.0 |

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 58.6 | 1.4 |
| 10°-20° | 175.7 | 4.1 |
| 20°-30° | 258.8 | 6.0 |
| 30°-40° | 332.5 | 7.7 |
| 40°-50° | 537.8 | 12.5 |
| 50°-60° | 943.0 | 21.9 |
| 60°-70° | 1180.0 | 27.4 |
| 70°-80° | 689.5 | 16.0 |
| 80°-90° | 123.0 | 2.9 |
| 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° | 4299.0 | 100.0 |
| 0°-180° | 4299.0 | 100.0 |

Coefficient of Utilization



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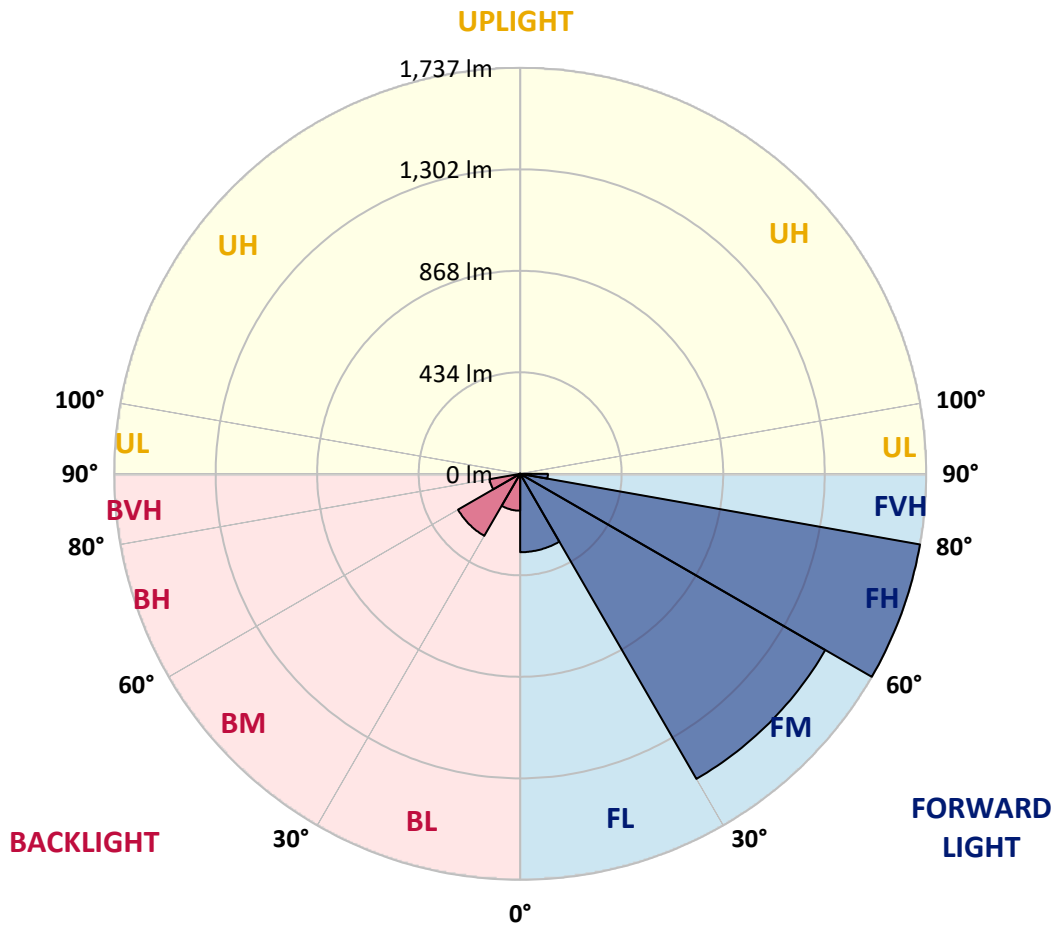
CATALOG NUMBER: GALN-SB1B-735-U-SLR-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

| Zone | Lumens | % Fixture | Zone Rating/Lumen Limit | | |
|----------------|--------|-----------|-------------------------|------|---------|
| | | | B | U | G |
| FL (0°-30°) | 335.3 | 7.8 | | | |
| FM (30°-60°) | 1506.8 | 35.0 | | | |
| FH (60°-80°) | 1736.6 | 40.4 | | | G1/1800 |
| FVH (80°-90°) | 118.3 | 2.8 | | | G2/225 |
| BL (0°-30°) | 157.8 | 3.7 | B1/500 | | |
| BM (30°-60°) | 306.6 | 7.1 | B1/1000 | | |
| BH (60°-80°) | 132.9 | 3.1 | B1/500 | | G1/500 |
| BVH (80°-90°) | 4.7 | 0.1 | | | G0/10 |
| UL (90°-100°) | 0.0 | 0.0 | | U0/0 | |
| UH (100°-180°) | 0.0 | 0.0 | | U0/0 | |

BUG Rating: B1-U0-G2

Type IV Short



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CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 15° | 25° | 35° | 45° | 55° | 65° | 75° | 85° |
|-------|--------|--------|--------|-------|-------|-------|-------|-------|-------|-------|
| 0° | 595.3 | 595.3 | 595.3 | 595.3 | 595.3 | 595.3 | 595.3 | 595.3 | 595.3 | 595.3 |
| 2.5° | 672.6 | 661.0 | 654.2 | 637.3 | 620.4 | 606.8 | 588.5 | 576.3 | 561.8 | 547.9 |
| 5° | 749.6 | 730.9 | 708.4 | 677.6 | 649.5 | 620.7 | 592.9 | 565.4 | 536.3 | 509.7 |
| 7.5° | 814.7 | 787.8 | 748.1 | 707.2 | 671.4 | 636.7 | 604.2 | 567.7 | 532.5 | 490.7 |
| 10° | 864.5 | 830.1 | 778.0 | 724.4 | 683.2 | 648.3 | 616.6 | 585.8 | 550.3 | 499.9 |
| 12.5° | 894.7 | 858.0 | 796.1 | 733.3 | 686.2 | 647.1 | 622.5 | 608.9 | 595.0 | 544.9 |
| 15° | 916.9 | 877.2 | 808.8 | 739.5 | 679.4 | 631.4 | 613.3 | 627.0 | 643.0 | 611.0 |
| 17.5° | 940.0 | 898.2 | 825.4 | 742.2 | 661.0 | 600.9 | 593.2 | 628.4 | 665.5 | 664.0 |
| 20° | 961.9 | 920.5 | 839.9 | 740.4 | 631.4 | 563.9 | 570.7 | 615.7 | 658.7 | 676.7 |
| 22.5° | 987.1 | 943.3 | 853.8 | 733.6 | 592.9 | 529.2 | 550.6 | 595.6 | 633.2 | 654.5 |
| 25° | 1017.9 | 972.0 | 873.4 | 723.5 | 551.4 | 500.5 | 530.1 | 572.2 | 602.7 | 617.5 |
| 27.5° | 1051.1 | 1006.3 | 899.4 | 718.2 | 518.0 | 480.1 | 507.0 | 544.3 | 571.6 | 581.9 |
| 30° | 1092.2 | 1046.3 | 930.2 | 712.3 | 496.1 | 468.2 | 483.0 | 512.1 | 538.7 | 549.1 |
| 32.5° | 1137.2 | 1090.7 | 959.8 | 698.0 | 482.7 | 459.3 | 459.6 | 478.0 | 502.3 | 514.7 |
| 35° | 1193.5 | 1144.1 | 991.5 | 666.9 | 472.1 | 449.0 | 436.8 | 445.7 | 465.9 | 480.7 |
| 37.5° | 1273.8 | 1213.9 | 1030.3 | 622.5 | 456.4 | 433.0 | 412.8 | 414.9 | 430.3 | 446.6 |
| 40° | 1384.5 | 1307.8 | 1075.9 | 576.3 | 433.9 | 410.5 | 386.5 | 385.6 | 396.8 | 412.8 |
| 42.5° | 1534.4 | 1431.9 | 1130.7 | 532.2 | 412.2 | 383.2 | 358.6 | 357.2 | 366.0 | 380.0 |
| 45° | 1732.2 | 1590.7 | 1198.0 | 494.3 | 395.4 | 356.6 | 332.3 | 331.7 | 339.1 | 351.2 |
| 47.5° | 1985.4 | 1811.3 | 1265.2 | 468.5 | 386.5 | 335.5 | 310.7 | 311.9 | 318.4 | 329.3 |
| 50° | 2313.3 | 2098.9 | 1285.6 | 455.5 | 386.5 | 324.3 | 291.4 | 297.3 | 302.7 | 311.0 |
| 52.5° | 2706.3 | 2374.9 | 1218.1 | 443.6 | 388.9 | 325.8 | 275.1 | 287.9 | 291.7 | 298.8 |
| 55° | 3070.5 | 2510.2 | 1047.2 | 427.4 | 389.4 | 335.0 | 261.2 | 280.2 | 287.3 | 289.9 |
| 57.5° | 3282.0 | 2463.7 | 846.7 | 399.8 | 387.1 | 341.2 | 252.3 | 270.7 | 284.3 | 286.1 |
| 60° | 3241.7 | 2300.5 | 623.4 | 378.8 | 369.6 | 338.8 | 249.7 | 256.2 | 277.8 | 280.5 |
| 62.5° | 2931.4 | 2026.9 | 432.7 | 362.5 | 331.1 | 328.4 | 248.8 | 233.4 | 263.6 | 270.1 |
| 65° | 2356.2 | 1595.7 | 305.6 | 312.1 | 290.2 | 305.9 | 244.0 | 209.7 | 246.4 | 255.3 |
| 67.5° | 1709.4 | 1079.8 | 220.6 | 252.9 | 263.0 | 269.5 | 233.4 | 192.5 | 226.9 | 238.7 |
| 70° | 1097.0 | 583.1 | 154.9 | 167.0 | 221.5 | 228.9 | 215.0 | 177.1 | 207.0 | 220.6 |
| 72.5° | 779.8 | 344.4 | 111.4 | 117.0 | 178.0 | 190.7 | 189.2 | 159.9 | 183.9 | 200.5 |
| 75° | 538.1 | 189.8 | 75.2 | 83.5 | 129.1 | 154.9 | 146.0 | 137.4 | 155.8 | 172.7 |
| 77.5° | 337.3 | 85.0 | 45.0 | 58.0 | 84.7 | 121.7 | 100.1 | 106.3 | 121.4 | 137.1 |
| 80° | 187.8 | 32.9 | 25.2 | 38.5 | 46.2 | 88.6 | 55.4 | 68.4 | 89.4 | 100.7 |
| 82.5° | 40.9 | 4.1 | 11.3 | 16.6 | 18.1 | 51.5 | 29.3 | 39.7 | 56.3 | 55.4 |
| 85° | 0.0 | 0.0 | 2.1 | 2.4 | 1.2 | 22.2 | 10.7 | 13.0 | 18.4 | 17.2 |
| 87.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.6 |
| 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° |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 595.3 | 0° | 595.3 | 595.3 | 595.3 | 595.3 | 595.3 | 595.3 | 595.3 | 595.3 | 595.3 | 595.3 |
| 535.5 | 2.5° | 533.1 | 518.6 | 507.9 | 502.6 | 498.1 | 502.3 | 504.7 | 504.7 | 514.7 | 520.6 |
| 493.4 | 5° | 483.0 | 457.0 | 437.1 | 423.8 | 415.8 | 418.5 | 421.4 | 424.7 | 437.4 | 446.0 |
| 468.5 | 7.5° | 448.4 | 408.4 | 378.2 | 359.5 | 349.8 | 351.2 | 353.3 | 356.0 | 368.4 | 377.0 |
| 472.1 | 10° | 441.9 | 384.4 | 341.8 | 317.2 | 305.3 | 303.3 | 302.1 | 301.2 | 308.6 | 315.1 |
| 512.4 | 12.5° | 468.5 | 385.6 | 326.1 | 296.2 | 281.6 | 275.4 | 268.3 | 262.7 | 263.9 | 268.0 |
| 573.4 | 15° | 516.2 | 400.7 | 321.0 | 285.2 | 267.1 | 256.8 | 248.5 | 241.7 | 240.2 | 241.7 |
| 626.7 | 17.5° | 570.7 | 421.1 | 320.4 | 275.7 | 253.2 | 242.6 | 235.7 | 229.5 | 227.4 | 227.7 |
| 656.6 | 20° | 606.8 | 437.4 | 318.7 | 265.1 | 239.9 | 230.4 | 224.5 | 218.3 | 216.2 | 216.8 |
| 648.3 | 22.5° | 610.4 | 446.0 | 316.0 | 253.2 | 226.6 | 218.6 | 212.6 | 207.0 | 206.7 | 206.7 |
| 617.2 | 25° | 591.1 | 446.0 | 310.4 | 242.6 | 213.8 | 206.7 | 201.4 | 194.6 | 195.8 | 196.4 |
| 581.9 | 27.5° | 561.2 | 435.3 | 299.7 | 234.0 | 202.9 | 195.5 | 190.1 | 183.9 | 185.4 | 186.3 |
| 549.1 | 30° | 531.6 | 421.7 | 287.0 | 224.2 | 192.5 | 183.9 | 180.1 | 174.7 | 175.3 | 176.5 |
| 516.5 | 32.5° | 504.1 | 407.2 | 271.9 | 216.2 | 182.1 | 173.5 | 170.6 | 164.7 | 165.6 | 166.7 |
| 484.5 | 35° | 476.8 | 391.2 | 254.1 | 206.7 | 172.7 | 164.1 | 161.7 | 154.9 | 155.5 | 157.3 |
| 452.5 | 37.5° | 447.5 | 374.3 | 239.6 | 197.2 | 163.5 | 154.6 | 152.2 | 145.1 | 145.7 | 147.8 |
| 419.4 | 40° | 416.7 | 357.8 | 225.4 | 187.2 | 153.7 | 144.8 | 142.7 | 135.0 | 135.6 | 138.0 |
| 386.8 | 42.5° | 385.6 | 339.7 | 214.4 | 174.1 | 143.6 | 134.2 | 132.1 | 125.0 | 125.9 | 128.5 |
| 358.3 | 45° | 356.9 | 318.1 | 207.3 | 159.6 | 134.2 | 123.5 | 121.4 | 114.9 | 116.7 | 119.6 |
| 334.4 | 47.5° | 332.3 | 295.9 | 204.3 | 147.5 | 124.1 | 112.5 | 110.8 | 105.4 | 108.4 | 111.7 |
| 313.9 | 50° | 311.3 | 274.5 | 200.5 | 135.0 | 114.6 | 103.1 | 101.3 | 97.7 | 101.6 | 104.8 |
| 300.0 | 52.5° | 296.2 | 250.3 | 192.2 | 123.8 | 106.3 | 95.1 | 94.5 | 92.7 | 96.3 | 99.2 |
| 289.6 | 55° | 283.1 | 225.1 | 178.9 | 114.0 | 98.9 | 88.3 | 88.8 | 88.0 | 90.9 | 93.3 |
| 283.4 | 57.5° | 271.3 | 203.2 | 162.0 | 106.3 | 90.9 | 82.3 | 84.1 | 82.9 | 84.4 | 85.9 |
| 276.9 | 60° | 257.1 | 181.0 | 141.9 | 97.7 | 81.4 | 76.4 | 78.5 | 75.2 | 74.9 | 75.5 |
| 265.1 | 62.5° | 236.0 | 151.0 | 120.8 | 87.1 | 73.2 | 69.9 | 70.8 | 64.6 | 59.8 | 59.8 |
| 247.6 | 65° | 206.7 | 121.4 | 101.3 | 75.2 | 63.7 | 61.0 | 60.4 | 51.5 | 45.0 | 44.4 |
| 228.6 | 67.5° | 172.7 | 99.8 | 84.1 | 63.4 | 53.0 | 51.2 | 51.8 | 45.3 | 38.8 | 38.2 |
| 209.7 | 70° | 140.7 | 82.6 | 67.8 | 50.6 | 40.9 | 42.6 | 45.3 | 38.8 | 32.6 | 31.7 |
| 187.5 | 72.5° | 114.3 | 65.7 | 53.0 | 38.8 | 30.2 | 35.2 | 38.5 | 31.7 | 25.8 | 25.2 |
| 159.9 | 75° | 88.3 | 48.3 | 37.9 | 26.4 | 21.9 | 27.2 | 30.2 | 23.1 | 18.4 | 17.5 |
| 123.8 | 77.5° | 58.9 | 29.9 | 21.3 | 16.6 | 13.0 | 18.7 | 20.1 | 12.1 | 10.7 | 10.4 |
| 90.0 | 80° | 35.8 | 13.9 | 9.2 | 8.0 | 4.4 | 6.8 | 8.0 | 5.0 | 5.6 | 5.9 |
| 48.0 | 82.5° | 18.1 | 3.9 | 1.5 | 0.3 | 0.0 | 0.0 | 2.4 | 1.2 | 2.4 | 3.0 |
| 13.0 | 85° | 1.5 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.6 | 1.5 |
| 0.0 | 87.5° | 0.0 | 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 |

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CANDELA DISTRIBUTION (continued):

| 185° | | 195° | 205° | 215° | 225° | 235° | 245° | 255° | 265° | 270° | 275° |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|--------|--------|
| 595.3 | 0° | 595.3 | 595.3 | 595.3 | 595.3 | 595.3 | 595.3 | 595.3 | 595.3 | 595.3 | 595.3 |
| 523.0 | 2.5° | 539.6 | 552.0 | 563.9 | 582.8 | 602.4 | 621.6 | 641.2 | 660.1 | 666.9 | 672.0 |
| 451.6 | 5° | 477.4 | 500.8 | 528.0 | 565.7 | 605.9 | 647.4 | 689.5 | 728.0 | 745.4 | 757.3 |
| 384.4 | 7.5° | 413.1 | 443.6 | 482.7 | 539.3 | 602.4 | 668.4 | 734.5 | 795.2 | 823.3 | 846.1 |
| 321.0 | 10° | 349.5 | 382.6 | 432.1 | 496.7 | 581.9 | 676.7 | 767.9 | 851.4 | 887.9 | 916.6 |
| 275.4 | 12.5° | 293.5 | 324.6 | 376.4 | 447.8 | 550.0 | 670.2 | 787.2 | 887.6 | 930.5 | 962.8 |
| 242.8 | 15° | 254.1 | 276.0 | 321.9 | 398.9 | 512.1 | 649.2 | 788.4 | 904.8 | 951.8 | 985.6 |
| 229.2 | 17.5° | 232.2 | 239.6 | 269.5 | 349.2 | 470.0 | 621.6 | 777.4 | 910.7 | 961.0 | 992.4 |
| 217.1 | 20° | 220.3 | 221.5 | 229.8 | 284.6 | 416.1 | 595.9 | 767.0 | 916.6 | 969.6 | 996.0 |
| 208.5 | 22.5° | 210.9 | 210.9 | 212.9 | 232.8 | 346.5 | 565.1 | 763.8 | 927.0 | 981.5 | 997.8 |
| 198.7 | 25° | 202.3 | 202.3 | 202.9 | 208.2 | 274.5 | 518.0 | 761.7 | 943.0 | 997.8 | 1002.2 |
| 188.9 | 27.5° | 193.4 | 193.7 | 193.7 | 196.6 | 221.2 | 454.0 | 752.8 | 963.7 | 1017.3 | 1008.1 |
| 179.5 | 30° | 184.5 | 185.1 | 185.1 | 187.2 | 195.8 | 379.1 | 735.4 | 988.6 | 1042.8 | 1015.8 |
| 170.0 | 32.5° | 175.6 | 176.2 | 176.2 | 178.0 | 184.2 | 302.7 | 713.4 | 1011.4 | 1068.5 | 1019.1 |
| 160.8 | 35° | 166.4 | 167.3 | 166.7 | 169.1 | 175.6 | 240.8 | 685.6 | 1034.2 | 1096.4 | 1029.4 |
| 151.9 | 37.5° | 157.3 | 157.9 | 157.6 | 159.9 | 167.3 | 207.9 | 653.3 | 1051.4 | 1134.3 | 1052.5 |
| 142.5 | 40° | 148.1 | 147.8 | 147.8 | 150.4 | 158.4 | 198.4 | 612.7 | 1078.6 | 1188.8 | 1093.1 |
| 133.0 | 42.5° | 138.6 | 138.6 | 138.0 | 141.0 | 150.7 | 191.3 | 574.0 | 1127.5 | 1268.1 | 1157.7 |
| 124.1 | 45° | 130.0 | 129.7 | 128.5 | 131.2 | 143.3 | 178.9 | 560.3 | 1218.7 | 1385.4 | 1262.2 |
| 115.2 | 47.5° | 121.7 | 121.4 | 118.5 | 120.8 | 134.5 | 167.6 | 611.3 | 1367.9 | 1548.0 | 1415.9 |
| 108.1 | 50° | 114.3 | 114.6 | 109.0 | 111.1 | 125.6 | 159.0 | 721.7 | 1561.6 | 1763.9 | 1622.9 |
| 102.2 | 52.5° | 107.5 | 107.5 | 100.1 | 101.3 | 114.6 | 151.3 | 826.9 | 1771.6 | 2048.8 | 1911.7 |
| 96.0 | 55° | 100.7 | 100.1 | 91.8 | 92.4 | 103.7 | 140.4 | 842.6 | 1976.5 | 2437.4 | 2346.1 |
| 89.1 | 57.5° | 93.0 | 91.8 | 84.1 | 84.1 | 93.6 | 132.4 | 730.3 | 2134.1 | 2919.5 | 2984.7 |
| 76.4 | 60° | 83.5 | 82.6 | 77.6 | 76.1 | 85.6 | 139.5 | 515.3 | 2152.5 | 3230.5 | 3833.7 |
| 60.7 | 62.5° | 71.4 | 72.6 | 69.9 | 67.8 | 77.9 | 144.8 | 305.3 | 2004.7 | 3155.2 | 4103.8 |
| 47.1 | 65° | 56.3 | 61.0 | 60.4 | 58.9 | 85.6 | 122.0 | 180.4 | 1721.0 | 2924.5 | 3885.9 |
| 41.2 | 67.5° | 48.0 | 51.2 | 50.3 | 50.3 | 89.7 | 92.7 | 113.4 | 1344.5 | 2607.1 | 3627.3 |
| 34.4 | 70° | 40.9 | 44.1 | 40.9 | 40.9 | 67.8 | 56.3 | 78.5 | 938.8 | 2264.4 | 3341.2 |
| 27.5 | 72.5° | 33.8 | 37.0 | 33.5 | 31.1 | 54.2 | 42.1 | 57.5 | 586.7 | 1939.2 | 3043.3 |
| 19.5 | 75° | 25.8 | 29.6 | 27.0 | 24.0 | 35.8 | 31.4 | 43.5 | 340.9 | 1606.6 | 2603.8 |
| 11.8 | 77.5° | 16.3 | 21.3 | 20.1 | 16.9 | 26.4 | 22.8 | 31.4 | 202.9 | 1239.7 | 2034.6 |
| 7.1 | 80° | 10.1 | 11.0 | 11.3 | 10.7 | 15.1 | 15.4 | 21.3 | 115.5 | 848.5 | 1418.0 |
| 4.4 | 82.5° | 6.5 | 6.5 | 5.0 | 5.6 | 7.4 | 8.9 | 12.1 | 43.5 | 498.7 | 863.3 |
| 2.7 | 85° | 4.7 | 4.1 | 2.7 | 2.7 | 3.6 | 4.4 | 4.7 | 13.3 | 202.3 | 340.9 |
| 1.2 | 87.5° | 2.4 | 2.1 | 0.9 | 1.2 | 1.8 | 1.5 | 1.2 | 0.6 | 50.9 | 109.0 |
| 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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CANDELA DISTRIBUTION (continued):

| 285° | | 295° | 305° | 315° | 325° | 335° | 345° | 355° | 360° |
|--------|-------|--------|--------|--------|--------|--------|--------|--------|--------|
| 595.3 | 0° | 595.3 | 595.3 | 595.3 | 595.3 | 595.3 | 595.3 | 595.3 | 595.3 |
| 683.2 | 2.5° | 689.2 | 698.3 | 698.9 | 698.9 | 690.9 | 690.6 | 674.3 | 672.6 |
| 783.9 | 5° | 811.5 | 817.4 | 818.9 | 815.9 | 799.9 | 788.1 | 756.4 | 749.6 |
| 886.7 | 7.5° | 923.4 | 935.3 | 935.3 | 928.2 | 902.1 | 877.8 | 831.9 | 814.7 |
| 971.7 | 10° | 1012.9 | 1026.5 | 1023.5 | 1009.0 | 976.1 | 942.7 | 887.0 | 864.5 |
| 1023.2 | 12.5° | 1056.4 | 1070.3 | 1062.6 | 1046.0 | 1014.0 | 978.8 | 920.2 | 894.7 |
| 1038.0 | 15° | 1055.5 | 1051.7 | 1043.7 | 1041.6 | 1026.2 | 999.5 | 944.7 | 916.9 |
| 1028.8 | 17.5° | 1017.9 | 985.3 | 979.1 | 999.8 | 1019.4 | 1012.9 | 966.1 | 940.0 |
| 1006.9 | 20° | 958.4 | 901.5 | 895.9 | 935.6 | 991.2 | 1019.7 | 985.9 | 961.9 |
| 975.2 | 22.5° | 895.6 | 834.3 | 821.2 | 865.1 | 948.9 | 1021.7 | 1011.1 | 987.1 |
| 940.3 | 25° | 836.0 | 774.4 | 761.4 | 802.3 | 901.8 | 1018.2 | 1038.3 | 1017.9 |
| 906.8 | 27.5° | 786.3 | 726.8 | 714.6 | 755.5 | 856.5 | 1008.1 | 1065.6 | 1051.1 |
| 873.7 | 30° | 747.8 | 692.7 | 683.8 | 723.2 | 817.4 | 995.7 | 1100.2 | 1092.2 |
| 842.9 | 32.5° | 725.3 | 685.0 | 688.3 | 720.5 | 796.4 | 982.1 | 1133.4 | 1137.2 |
| 827.8 | 35° | 747.5 | 749.3 | 777.7 | 791.0 | 815.9 | 980.0 | 1178.4 | 1193.5 |
| 845.8 | 37.5° | 858.0 | 919.6 | 978.5 | 967.5 | 911.6 | 1004.0 | 1245.6 | 1273.8 |
| 924.6 | 40° | 1046.0 | 1172.5 | 1268.1 | 1226.4 | 1085.4 | 1077.4 | 1342.5 | 1384.5 |
| 1064.4 | 42.5° | 1275.8 | 1490.3 | 1647.8 | 1535.9 | 1309.6 | 1205.9 | 1480.8 | 1534.4 |
| 1233.5 | 45° | 1518.4 | 1882.1 | 2130.3 | 1897.5 | 1548.6 | 1386.0 | 1690.2 | 1732.2 |
| 1391.9 | 47.5° | 1774.0 | 2358.3 | 2679.3 | 2298.5 | 1770.1 | 1591.0 | 1975.7 | 1985.4 |
| 1542.1 | 50° | 2053.5 | 2880.4 | 3239.1 | 2699.2 | 1984.0 | 1825.8 | 2324.5 | 2313.3 |
| 1717.1 | 52.5° | 2319.8 | 3417.3 | 3786.9 | 3101.6 | 2171.7 | 2117.2 | 2729.4 | 2706.3 |
| 1956.4 | 55° | 2573.9 | 3954.0 | 4338.1 | 3488.4 | 2348.8 | 2502.2 | 3210.3 | 3070.5 |
| 2301.4 | 57.5° | 2868.6 | 4436.4 | 4906.1 | 3877.0 | 2596.4 | 3002.1 | 3748.2 | 3282.0 |
| 2962.2 | 60° | 3304.2 | 4984.6 | 5548.5 | 4409.5 | 3067.3 | 3527.5 | 3941.0 | 3241.7 |
| 3753.5 | 62.5° | 3860.4 | 5488.7 | 6015.5 | 4931.3 | 3540.3 | 3626.4 | 3656.9 | 2931.4 |
| 3592.1 | 65° | 3968.5 | 5616.3 | 6041.9 | 5070.8 | 3479.2 | 3076.2 | 2985.6 | 2356.2 |
| 3208.6 | 67.5° | 3681.8 | 5385.6 | 5673.5 | 4811.1 | 3077.7 | 2377.2 | 2240.4 | 1709.4 |
| 2956.8 | 70° | 3360.2 | 4945.8 | 5031.4 | 4369.5 | 2706.9 | 1748.5 | 1513.1 | 1097.0 |
| 2784.5 | 72.5° | 3030.6 | 4359.1 | 4182.0 | 3794.6 | 2379.0 | 1273.2 | 1091.3 | 779.8 |
| 2538.9 | 75° | 2639.0 | 3587.6 | 3294.1 | 3152.9 | 1969.7 | 999.2 | 789.6 | 538.1 |
| 2183.9 | 77.5° | 2113.4 | 2525.3 | 2446.8 | 2443.9 | 1480.2 | 730.0 | 526.9 | 337.3 |
| 1706.2 | 80° | 1490.9 | 1638.9 | 1598.9 | 1840.6 | 993.0 | 529.5 | 317.2 | 187.8 |
| 1187.6 | 82.5° | 721.7 | 906.2 | 930.2 | 1096.1 | 483.0 | 311.6 | 73.2 | 40.9 |
| 464.4 | 85° | 282.5 | 437.1 | 368.7 | 416.1 | 135.6 | 86.8 | 1.8 | 0.0 |
| 76.4 | 87.5° | 31.7 | 50.6 | 46.5 | 36.7 | 16.6 | 3.6 | 0.0 | 0.0 |
| 0.0 | 90° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

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