

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: P945616

Luminaire Tested: **GALN-SB1C-735-U-SLL-HSS**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P945616
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-SB1C-735-U-SLL-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(1) 70 CRI, 3500K, 615mA LIGHTSQUARE WITH 26 LEDS AND SPILL LIGHT
ELIMINATOR LEFT OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5717 lumens
Efficiency: N/A
Efficacy: 105.1 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

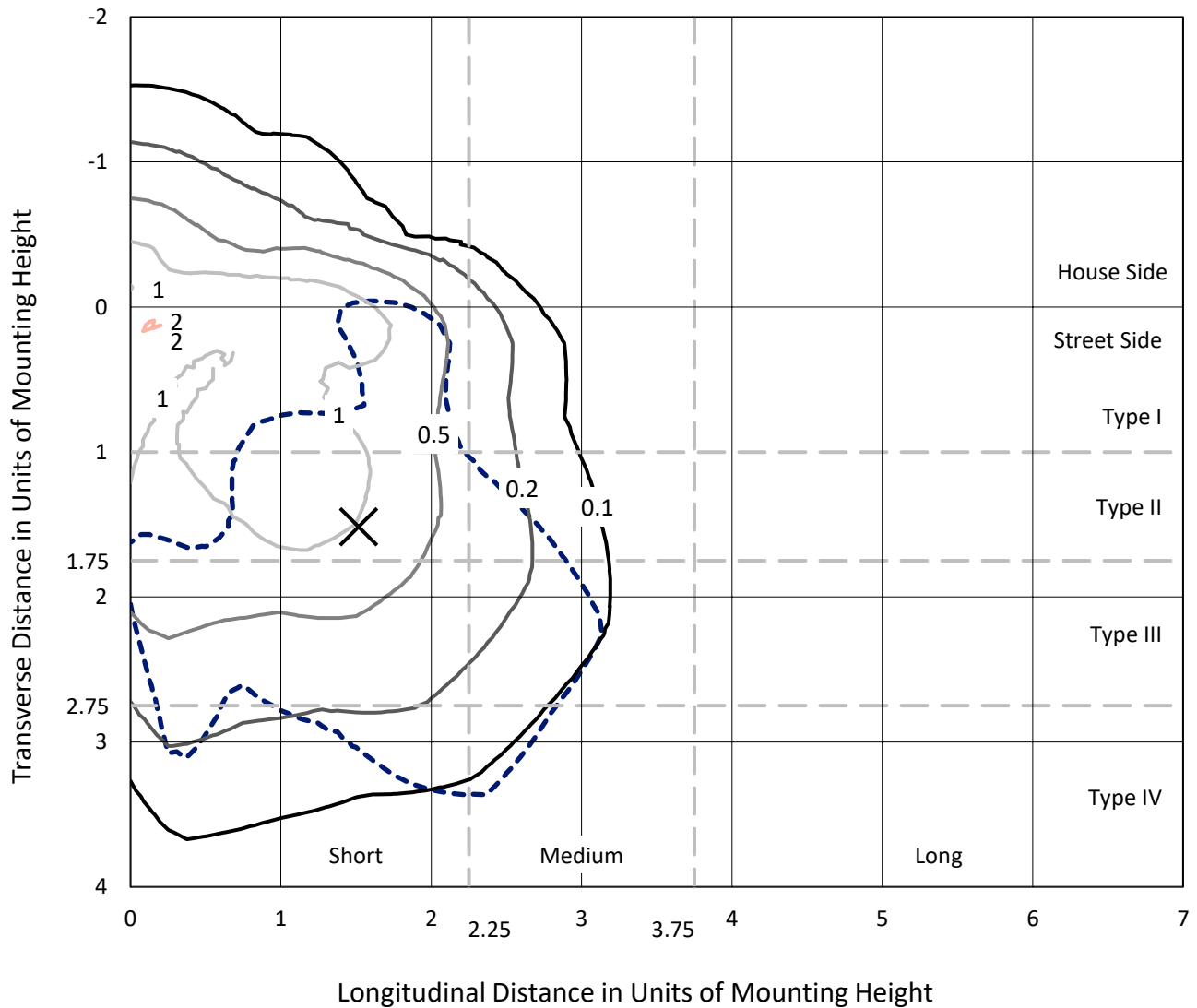
Input Watts (W): 54.4
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P945616
 CATALOG NUMBER: GALN-SB1C-735-U-SLL-HSS

Iso-Footcandle Lines of Horizontal Illumination

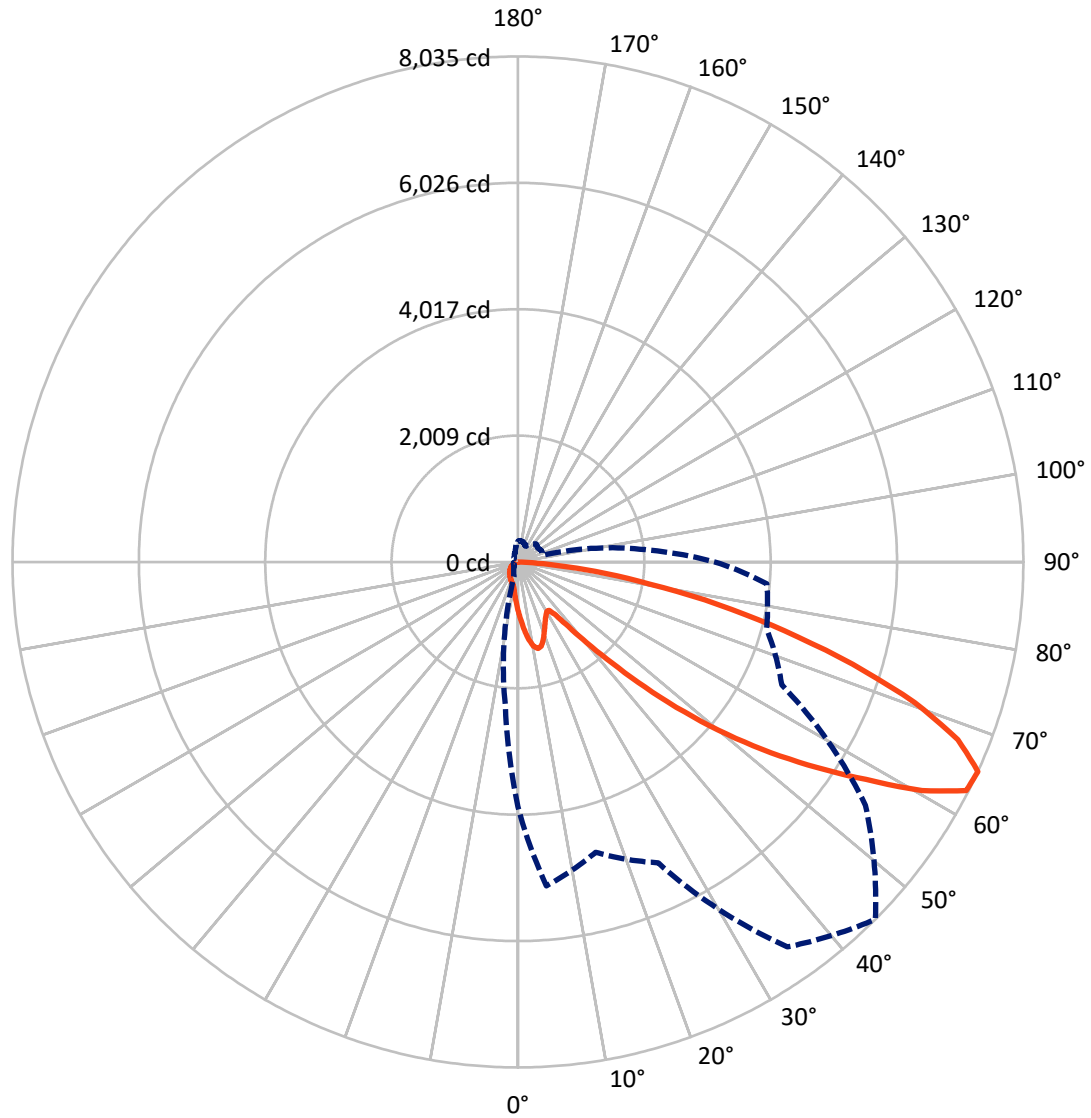
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.1 fc
 Type IV - Short - N/A

REPORT NUMBER: P945616
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Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 65-Deg Vertical

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FLUX DISTRIBUTION:

| | | Downward | Upward | Total |
|--------------------|-----------|----------|--------|--------|
| House Side | Lumens | 1136.4 | 0.0 | 1136.4 |
| | % Fixture | 19.9 | 0.0 | 19.9 |
| Street Side | Lumens | 4580.6 | 0.0 | 4580.6 |
| | % Fixture | 80.1 | 0.0 | 80.1 |
| Total | Lumens | 5717.0 | 0.0 | 5717.0 |
| | % Fixture | 100.0 | 0.0 | 100.0 |

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 77.9 | 1.4 |
| 10°-20° | 233.6 | 4.1 |
| 20°-30° | 344.2 | 6.0 |
| 30°-40° | 442.2 | 7.7 |
| 40°-50° | 715.2 | 12.5 |
| 50°-60° | 1254.1 | 21.9 |
| 60°-70° | 1569.2 | 27.4 |
| 70°-80° | 917.0 | 16.0 |
| 80°-90° | 163.6 | 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° | 5717.0 | 100.0 |
| 0°-180° | 5717.0 | 100.0 |

Coefficient of Utilization



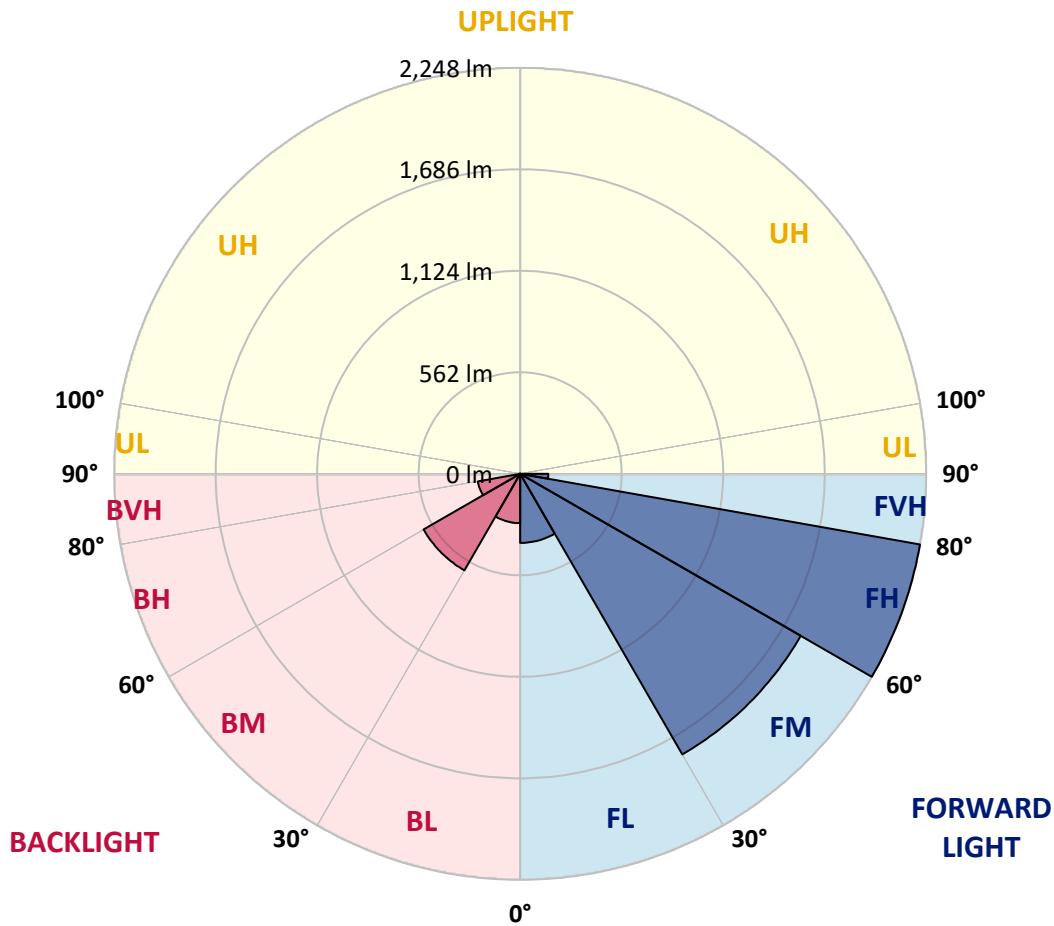
REPORT NUMBER: P945616
 CATALOG NUMBER: GALN-SB1C-735-U-SLL-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

| Zone | Lumens | % Fixture | Zone Rating/Lumen Limit | | |
|----------------|--------|-----------|-------------------------|------|---------|
| | | | B | U | G |
| FL (0°-30°) | 382.5 | 6.7 | | | |
| FM (30°-60°) | 1794.1 | 31.4 | | | |
| FH (60°-80°) | 2248.1 | 39.3 | | | G2/5000 |
| FVH (80°-90°) | 155.9 | 2.7 | | | G2/225 |
| BL (0°-30°) | 273.2 | 4.8 | B1/500 | | |
| BM (30°-60°) | 617.4 | 10.8 | B1/1000 | | |
| BH (60°-80°) | 238.1 | 4.2 | B1/500 | | G1/500 |
| BVH (80°-90°) | 7.7 | 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



REPORT NUMBER: P945616

CATALOG NUMBER: GALN-SB1C-735-U-SLL-HSS

CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 15° | 25° | 35° | 45° | 55° | 65° | 75° | 85° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 791.6 | 791.6 | 791.6 | 791.6 | 791.6 | 791.6 | 791.6 | 791.6 | 791.6 | 791.6 |
| 2.5° | 886.9 | 893.6 | 908.6 | 916.5 | 928.7 | 929.5 | 929.5 | 918.8 | 918.4 | 896.8 |
| 5° | 991.3 | 1007.1 | 1042.5 | 1079.1 | 1087.0 | 1089.0 | 1085.0 | 1063.8 | 1048.0 | 1005.9 |
| 7.5° | 1094.9 | 1125.2 | 1179.2 | 1228.0 | 1243.8 | 1243.8 | 1234.3 | 1199.6 | 1167.3 | 1106.3 |
| 10° | 1180.7 | 1218.9 | 1292.2 | 1346.9 | 1365.1 | 1361.1 | 1341.8 | 1298.1 | 1253.6 | 1179.6 |
| 12.5° | 1237.5 | 1280.4 | 1360.7 | 1404.8 | 1423.3 | 1413.1 | 1391.0 | 1348.5 | 1301.6 | 1223.7 |
| 15° | 1265.8 | 1310.7 | 1380.4 | 1403.7 | 1398.5 | 1387.9 | 1385.1 | 1364.7 | 1329.2 | 1256.4 |
| 17.5° | 1278.0 | 1319.8 | 1368.2 | 1353.6 | 1310.3 | 1302.0 | 1329.6 | 1355.6 | 1346.9 | 1284.7 |
| 20° | 1289.4 | 1324.5 | 1339.1 | 1274.5 | 1198.9 | 1191.4 | 1244.1 | 1318.2 | 1356.0 | 1311.1 |
| 22.5° | 1305.2 | 1326.9 | 1296.9 | 1191.0 | 1109.5 | 1092.1 | 1150.4 | 1261.9 | 1358.8 | 1344.6 |
| 25° | 1326.9 | 1332.8 | 1250.4 | 1111.8 | 1029.9 | 1012.6 | 1066.9 | 1199.2 | 1354.0 | 1380.8 |
| 27.5° | 1352.8 | 1340.6 | 1205.9 | 1045.6 | 966.5 | 950.3 | 1004.7 | 1139.0 | 1340.6 | 1417.0 |
| 30° | 1386.7 | 1350.9 | 1161.8 | 994.4 | 921.2 | 909.4 | 961.8 | 1087.0 | 1324.1 | 1463.1 |
| 32.5° | 1421.0 | 1355.2 | 1120.9 | 964.5 | 911.0 | 915.3 | 958.2 | 1059.0 | 1306.0 | 1507.2 |
| 35° | 1458.0 | 1369.0 | 1100.8 | 994.1 | 996.4 | 1034.2 | 1052.0 | 1085.0 | 1303.2 | 1567.1 |
| 37.5° | 1508.4 | 1399.7 | 1124.8 | 1141.0 | 1222.9 | 1301.3 | 1286.7 | 1212.2 | 1335.1 | 1656.5 |
| 40° | 1580.9 | 1453.7 | 1229.6 | 1391.0 | 1559.2 | 1686.4 | 1630.9 | 1443.4 | 1432.8 | 1785.3 |
| 42.5° | 1686.4 | 1539.5 | 1415.5 | 1696.7 | 1981.8 | 2191.3 | 2042.5 | 1741.6 | 1603.7 | 1969.2 |
| 45° | 1842.4 | 1678.6 | 1640.4 | 2019.2 | 2502.9 | 2832.9 | 2523.3 | 2059.4 | 1843.2 | 2247.7 |
| 47.5° | 2058.6 | 1883.0 | 1851.1 | 2359.1 | 3136.2 | 3563.1 | 3056.6 | 2354.0 | 2115.7 | 2627.3 |
| 50° | 2345.7 | 2158.3 | 2050.7 | 2730.9 | 3830.5 | 4307.4 | 3589.5 | 2638.3 | 2428.0 | 3091.3 |
| 52.5° | 2724.6 | 2542.2 | 2283.5 | 3085.0 | 4544.5 | 5036.1 | 4124.7 | 2888.0 | 2815.6 | 3629.6 |
| 55° | 3241.3 | 3120.0 | 2601.7 | 3422.9 | 5258.2 | 5769.0 | 4639.1 | 3123.6 | 3327.6 | 4269.2 |
| 57.5° | 3882.5 | 3969.1 | 3060.5 | 3814.7 | 5899.7 | 6524.4 | 5155.8 | 3452.8 | 3992.4 | 4984.5 |
| 60° | 4296.0 | 5098.3 | 3939.2 | 4394.1 | 6628.7 | 7378.6 | 5863.9 | 4079.0 | 4691.0 | 5240.8 |
| 62.5° | 4196.0 | 5457.5 | 4991.5 | 5133.7 | 7299.1 | 7999.7 | 6557.9 | 4708.0 | 4822.6 | 4863.2 |
| 65° | 3889.2 | 5167.6 | 4776.9 | 5277.5 | 7468.8 | 8034.8 | 6743.4 | 4626.9 | 4090.8 | 3970.3 |
| 67.5° | 3467.0 | 4823.8 | 4266.9 | 4896.2 | 7162.0 | 7544.8 | 6398.0 | 4092.8 | 3161.4 | 2979.4 |
| 70° | 3011.3 | 4443.3 | 3932.1 | 4468.5 | 6577.2 | 6691.0 | 5810.7 | 3599.7 | 2325.2 | 2012.1 |
| 72.5° | 2578.9 | 4047.1 | 3702.9 | 4030.2 | 5797.0 | 5561.4 | 5046.3 | 3163.7 | 1693.1 | 1451.3 |
| 75° | 2136.6 | 3462.7 | 3376.4 | 3509.5 | 4771.0 | 4380.7 | 4192.8 | 2619.4 | 1328.8 | 1050.0 |
| 77.5° | 1648.6 | 2705.7 | 2904.2 | 2810.5 | 3358.3 | 3253.9 | 3250.0 | 1968.4 | 970.8 | 700.6 |
| 80° | 1128.4 | 1885.7 | 2268.9 | 1982.6 | 2179.5 | 2126.4 | 2447.7 | 1320.6 | 704.2 | 421.8 |
| 82.5° | 663.2 | 1148.0 | 1579.3 | 959.8 | 1205.2 | 1237.1 | 1457.6 | 642.4 | 414.3 | 97.3 |
| 85° | 269.0 | 453.3 | 617.5 | 375.7 | 581.3 | 490.3 | 553.3 | 180.4 | 115.4 | 2.4 |
| 87.5° | 67.7 | 144.9 | 101.6 | 42.1 | 67.3 | 61.8 | 48.8 | 22.1 | 4.7 | 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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CANDELA DISTRIBUTION (continued):

| 90° | | 95° | 105° | 115° | 125° | 135° | 145° | 155° | 165° | 175° | 180° |
|--------|-------|--------|--------|-------|-------|-------|-------|-------|-------|-------|-------|
| 791.6 | 0° | 791.6 | 791.6 | 791.6 | 791.6 | 791.6 | 791.6 | 791.6 | 791.6 | 791.6 | 791.6 |
| 894.4 | 2.5° | 879.1 | 870.0 | 847.5 | 825.1 | 807.0 | 782.6 | 766.4 | 747.1 | 728.6 | 712.1 |
| 996.8 | 5° | 972.0 | 942.1 | 901.1 | 863.7 | 825.5 | 788.5 | 751.8 | 713.2 | 677.8 | 656.1 |
| 1083.5 | 7.5° | 1047.6 | 994.8 | 940.5 | 892.8 | 846.8 | 803.4 | 755.0 | 708.1 | 652.6 | 623.1 |
| 1149.6 | 10° | 1103.9 | 1034.6 | 963.3 | 908.6 | 862.1 | 820.0 | 779.0 | 731.8 | 664.8 | 627.8 |
| 1189.8 | 12.5° | 1141.0 | 1058.6 | 975.2 | 912.5 | 860.5 | 827.9 | 809.7 | 791.2 | 724.7 | 681.3 |
| 1219.3 | 15° | 1166.6 | 1075.6 | 983.4 | 903.5 | 839.7 | 815.6 | 833.8 | 855.0 | 812.5 | 762.5 |
| 1250.1 | 17.5° | 1194.5 | 1097.6 | 987.0 | 879.1 | 799.1 | 788.9 | 835.7 | 885.0 | 883.0 | 833.4 |
| 1279.2 | 20° | 1224.1 | 1116.9 | 984.6 | 839.7 | 749.9 | 758.9 | 818.8 | 875.9 | 899.9 | 873.1 |
| 1312.7 | 22.5° | 1254.4 | 1135.4 | 975.5 | 788.5 | 703.8 | 732.2 | 792.0 | 842.0 | 870.4 | 862.1 |
| 1353.6 | 25° | 1292.6 | 1161.4 | 962.2 | 733.3 | 665.6 | 705.0 | 760.9 | 801.5 | 821.2 | 820.8 |
| 1397.7 | 27.5° | 1338.3 | 1196.1 | 955.1 | 688.8 | 638.4 | 674.3 | 723.9 | 760.1 | 773.9 | 773.9 |
| 1452.5 | 30° | 1391.4 | 1237.1 | 947.2 | 659.7 | 622.7 | 642.4 | 681.0 | 716.4 | 730.2 | 730.2 |
| 1512.4 | 32.5° | 1450.5 | 1276.4 | 928.3 | 642.0 | 610.8 | 611.2 | 635.7 | 668.0 | 684.5 | 686.9 |
| 1587.2 | 35° | 1521.4 | 1318.6 | 886.9 | 627.8 | 597.1 | 580.9 | 592.7 | 619.5 | 639.2 | 644.3 |
| 1693.9 | 37.5° | 1614.4 | 1370.2 | 827.9 | 606.9 | 575.8 | 549.0 | 551.8 | 572.3 | 593.9 | 601.8 |
| 1841.2 | 40° | 1739.2 | 1430.8 | 766.4 | 577.0 | 545.9 | 514.0 | 512.8 | 527.7 | 549.0 | 557.7 |
| 2040.5 | 42.5° | 1904.2 | 1503.7 | 707.7 | 548.2 | 509.6 | 476.9 | 475.0 | 486.8 | 505.3 | 514.4 |
| 2303.6 | 45° | 2115.3 | 1593.1 | 657.3 | 525.8 | 474.2 | 441.9 | 441.1 | 450.9 | 467.1 | 476.5 |
| 2640.3 | 47.5° | 2408.7 | 1682.5 | 623.1 | 514.0 | 446.2 | 413.1 | 414.7 | 423.4 | 438.0 | 444.6 |
| 3076.3 | 50° | 2791.2 | 1709.7 | 605.7 | 514.0 | 431.3 | 387.5 | 395.4 | 402.5 | 413.5 | 417.5 |
| 3598.9 | 52.5° | 3158.2 | 1619.9 | 590.0 | 517.1 | 433.2 | 365.9 | 382.8 | 387.9 | 397.4 | 399.0 |
| 4083.3 | 55° | 3338.2 | 1392.6 | 568.3 | 517.9 | 445.4 | 347.4 | 372.6 | 382.0 | 385.6 | 385.2 |
| 4364.6 | 57.5° | 3276.4 | 1126.0 | 531.7 | 514.8 | 453.7 | 335.6 | 360.0 | 378.1 | 380.5 | 376.9 |
| 4311.0 | 60° | 3059.4 | 829.0 | 503.7 | 491.5 | 450.6 | 332.0 | 340.7 | 369.4 | 373.0 | 368.2 |
| 3898.2 | 62.5° | 2695.5 | 575.4 | 482.1 | 440.3 | 436.8 | 330.8 | 310.3 | 350.5 | 359.2 | 352.5 |
| 3133.4 | 65° | 2122.0 | 406.4 | 415.1 | 386.0 | 406.8 | 324.5 | 278.8 | 327.7 | 339.5 | 329.3 |
| 2273.3 | 67.5° | 1435.9 | 293.4 | 336.3 | 349.7 | 358.4 | 310.3 | 256.0 | 301.7 | 317.4 | 304.0 |
| 1458.8 | 70° | 775.5 | 206.0 | 222.1 | 294.6 | 304.4 | 285.9 | 235.5 | 275.3 | 293.4 | 278.8 |
| 1037.0 | 72.5° | 458.0 | 148.1 | 155.6 | 236.7 | 253.6 | 251.7 | 212.7 | 244.6 | 266.6 | 249.3 |
| 715.6 | 75° | 252.5 | 100.0 | 111.1 | 171.7 | 206.0 | 194.2 | 182.7 | 207.2 | 229.6 | 212.7 |
| 448.6 | 77.5° | 113.0 | 59.9 | 77.2 | 112.6 | 161.9 | 133.1 | 141.4 | 161.5 | 182.3 | 164.6 |
| 249.7 | 80° | 43.7 | 33.5 | 51.2 | 61.4 | 117.8 | 73.6 | 91.0 | 118.9 | 133.9 | 119.7 |
| 54.4 | 82.5° | 5.5 | 15.0 | 22.1 | 24.0 | 68.5 | 39.0 | 52.8 | 74.8 | 73.6 | 63.8 |
| 0.0 | 85° | 0.0 | 2.8 | 3.2 | 1.6 | 29.5 | 14.2 | 17.3 | 24.4 | 22.8 | 17.3 |
| 0.0 | 87.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.8 | 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° |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 791.6 | 0° | 791.6 | 791.6 | 791.6 | 791.6 | 791.6 | 791.6 | 791.6 | 791.6 | 791.6 | 791.6 |
| 708.9 | 2.5° | 689.6 | 675.4 | 668.3 | 662.4 | 668.0 | 671.1 | 671.1 | 684.5 | 692.4 | 695.5 |
| 642.4 | 5° | 607.7 | 581.3 | 563.6 | 553.0 | 556.5 | 560.4 | 564.8 | 581.7 | 593.1 | 600.6 |
| 596.3 | 7.5° | 543.1 | 502.9 | 478.1 | 465.1 | 467.1 | 469.9 | 473.4 | 489.9 | 501.4 | 511.2 |
| 587.6 | 10° | 511.2 | 454.5 | 421.8 | 406.1 | 403.3 | 401.7 | 400.5 | 410.4 | 419.0 | 426.9 |
| 623.1 | 12.5° | 512.8 | 433.6 | 393.8 | 374.5 | 366.3 | 356.8 | 349.3 | 350.9 | 356.4 | 366.3 |
| 686.5 | 15° | 532.9 | 426.9 | 379.3 | 355.2 | 341.5 | 330.4 | 321.4 | 319.4 | 321.4 | 323.0 |
| 758.9 | 17.5° | 560.0 | 426.1 | 366.7 | 336.7 | 322.6 | 313.5 | 305.2 | 302.5 | 302.9 | 304.8 |
| 807.0 | 20° | 581.7 | 423.8 | 352.5 | 319.0 | 306.4 | 298.5 | 290.3 | 287.5 | 288.3 | 288.7 |
| 811.7 | 22.5° | 593.1 | 420.2 | 336.7 | 301.3 | 290.7 | 282.8 | 275.3 | 274.9 | 274.9 | 277.3 |
| 786.1 | 25° | 593.1 | 412.7 | 322.6 | 284.4 | 274.9 | 267.8 | 258.8 | 260.3 | 261.1 | 264.3 |
| 746.3 | 27.5° | 578.9 | 398.6 | 311.1 | 269.8 | 259.9 | 252.8 | 244.6 | 246.5 | 247.7 | 251.3 |
| 706.9 | 30° | 560.8 | 381.6 | 298.1 | 256.0 | 244.6 | 239.5 | 232.4 | 233.2 | 234.7 | 238.7 |
| 670.3 | 32.5° | 541.5 | 361.5 | 287.5 | 242.2 | 230.8 | 226.9 | 219.0 | 220.2 | 221.7 | 226.1 |
| 634.1 | 35° | 520.3 | 337.9 | 274.9 | 229.6 | 218.2 | 215.0 | 206.0 | 206.8 | 209.1 | 213.9 |
| 595.1 | 37.5° | 497.8 | 318.6 | 262.3 | 217.4 | 205.6 | 202.4 | 193.0 | 193.8 | 196.5 | 202.0 |
| 554.1 | 40° | 475.8 | 299.7 | 248.9 | 204.4 | 192.6 | 189.8 | 179.6 | 180.4 | 183.5 | 189.4 |
| 512.8 | 42.5° | 451.7 | 285.1 | 231.6 | 191.0 | 178.4 | 175.7 | 166.2 | 167.4 | 170.9 | 176.8 |
| 474.6 | 45° | 423.0 | 275.7 | 212.3 | 178.4 | 164.2 | 161.5 | 152.8 | 155.2 | 159.1 | 165.0 |
| 441.9 | 47.5° | 393.4 | 271.8 | 196.1 | 165.0 | 149.7 | 147.3 | 140.2 | 144.1 | 148.5 | 153.2 |
| 413.9 | 50° | 365.1 | 266.6 | 179.6 | 152.4 | 137.1 | 134.7 | 130.0 | 135.1 | 139.4 | 143.8 |
| 393.8 | 52.5° | 332.8 | 255.6 | 164.6 | 141.4 | 126.4 | 125.6 | 123.3 | 128.0 | 131.9 | 135.9 |
| 376.5 | 55° | 299.3 | 237.9 | 151.6 | 131.5 | 117.4 | 118.2 | 117.0 | 120.9 | 124.1 | 127.6 |
| 360.8 | 57.5° | 270.2 | 215.4 | 141.4 | 120.9 | 109.5 | 111.9 | 110.3 | 112.2 | 114.2 | 118.5 |
| 341.9 | 60° | 240.6 | 188.7 | 130.0 | 108.3 | 101.6 | 104.4 | 100.0 | 99.6 | 100.4 | 101.6 |
| 313.9 | 62.5° | 200.9 | 160.7 | 115.8 | 97.3 | 92.9 | 94.1 | 85.9 | 79.6 | 79.6 | 80.7 |
| 274.9 | 65° | 161.5 | 134.7 | 100.0 | 84.7 | 81.1 | 80.3 | 68.5 | 59.9 | 59.1 | 62.6 |
| 229.6 | 67.5° | 132.7 | 111.9 | 84.3 | 70.5 | 68.1 | 68.9 | 60.3 | 51.6 | 50.8 | 54.7 |
| 187.1 | 70° | 109.9 | 90.2 | 67.3 | 54.4 | 56.7 | 60.3 | 51.6 | 43.3 | 42.1 | 45.7 |
| 152.0 | 72.5° | 87.4 | 70.5 | 51.6 | 40.2 | 46.9 | 51.2 | 42.1 | 34.3 | 33.5 | 36.6 |
| 117.4 | 75° | 64.2 | 50.4 | 35.1 | 29.1 | 36.2 | 40.2 | 30.7 | 24.4 | 23.2 | 26.0 |
| 78.4 | 77.5° | 39.8 | 28.4 | 22.1 | 17.3 | 24.8 | 26.8 | 16.1 | 14.2 | 13.8 | 15.8 |
| 47.7 | 80° | 18.5 | 12.2 | 10.6 | 5.9 | 9.1 | 10.6 | 6.7 | 7.5 | 7.9 | 9.5 |
| 24.0 | 82.5° | 5.1 | 2.0 | 0.4 | 0.0 | 0.0 | 3.2 | 1.6 | 3.2 | 3.9 | 5.9 |
| 2.0 | 85° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.8 | 2.0 | 3.5 |
| 0.0 | 87.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.6 |
| 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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| 233.5 | 32.5° | 234.3 | 234.3 | 236.7 | 245.0 | 402.5 | 948.8 | 1345.0 | 1421.0 |
| 221.3 | 35° | 222.5 | 221.7 | 224.9 | 233.5 | 320.2 | 911.7 | 1375.3 | 1458.0 |
| 209.1 | 37.5° | 209.9 | 209.5 | 212.7 | 222.5 | 276.5 | 868.8 | 1398.1 | 1508.4 |
| 196.9 | 40° | 196.5 | 196.5 | 200.1 | 210.7 | 263.9 | 814.9 | 1434.4 | 1580.9 |
| 184.3 | 42.5° | 184.3 | 183.5 | 187.5 | 200.5 | 254.4 | 763.3 | 1499.4 | 1686.4 |
| 172.9 | 45° | 172.5 | 170.9 | 174.5 | 190.6 | 237.9 | 745.1 | 1620.7 | 1842.4 |
| 161.9 | 47.5° | 161.5 | 157.5 | 160.7 | 178.8 | 222.9 | 812.9 | 1819.2 | 2058.6 |
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| 143.0 | 52.5° | 143.0 | 133.1 | 134.7 | 152.4 | 201.3 | 1099.6 | 2356.0 | 2724.6 |
| 133.9 | 55° | 133.1 | 122.1 | 122.9 | 137.8 | 186.7 | 1120.5 | 2628.5 | 3241.3 |
| 123.7 | 57.5° | 122.1 | 111.9 | 111.9 | 124.5 | 176.0 | 971.2 | 2838.0 | 3882.5 |
| 111.1 | 60° | 109.9 | 103.2 | 101.2 | 113.8 | 185.5 | 685.3 | 2862.4 | 4296.0 |
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| 44.9 | 72.5° | 49.2 | 44.5 | 41.4 | 72.1 | 55.9 | 76.4 | 780.2 | 2578.9 |
| 34.3 | 75° | 39.4 | 35.8 | 31.9 | 47.7 | 41.7 | 57.9 | 453.3 | 2136.6 |
| 21.7 | 77.5° | 28.4 | 26.8 | 22.4 | 35.1 | 30.3 | 41.7 | 269.8 | 1648.6 |
| 13.4 | 80° | 14.6 | 15.0 | 14.2 | 20.1 | 20.5 | 28.4 | 153.6 | 1128.4 |
| 8.7 | 82.5° | 8.7 | 6.7 | 7.5 | 9.8 | 11.8 | 16.1 | 57.9 | 663.2 |
| 6.3 | 85° | 5.5 | 3.5 | 3.5 | 4.7 | 5.9 | 6.3 | 17.7 | 269.0 |
| 3.2 | 87.5° | 2.8 | 1.2 | 1.6 | 2.4 | 2.0 | 1.6 | 0.8 | 67.7 |
| 0.0 | 90° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

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