

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: P945406

Luminaire Tested: **GALN-SB1B-840-U-SLL-HSS**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P945406
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-840-U-SLL-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(1) 80 CRI, 4000K, 450mA 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: 4112 lumens
Efficiency: N/A
Efficacy: 103.3 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

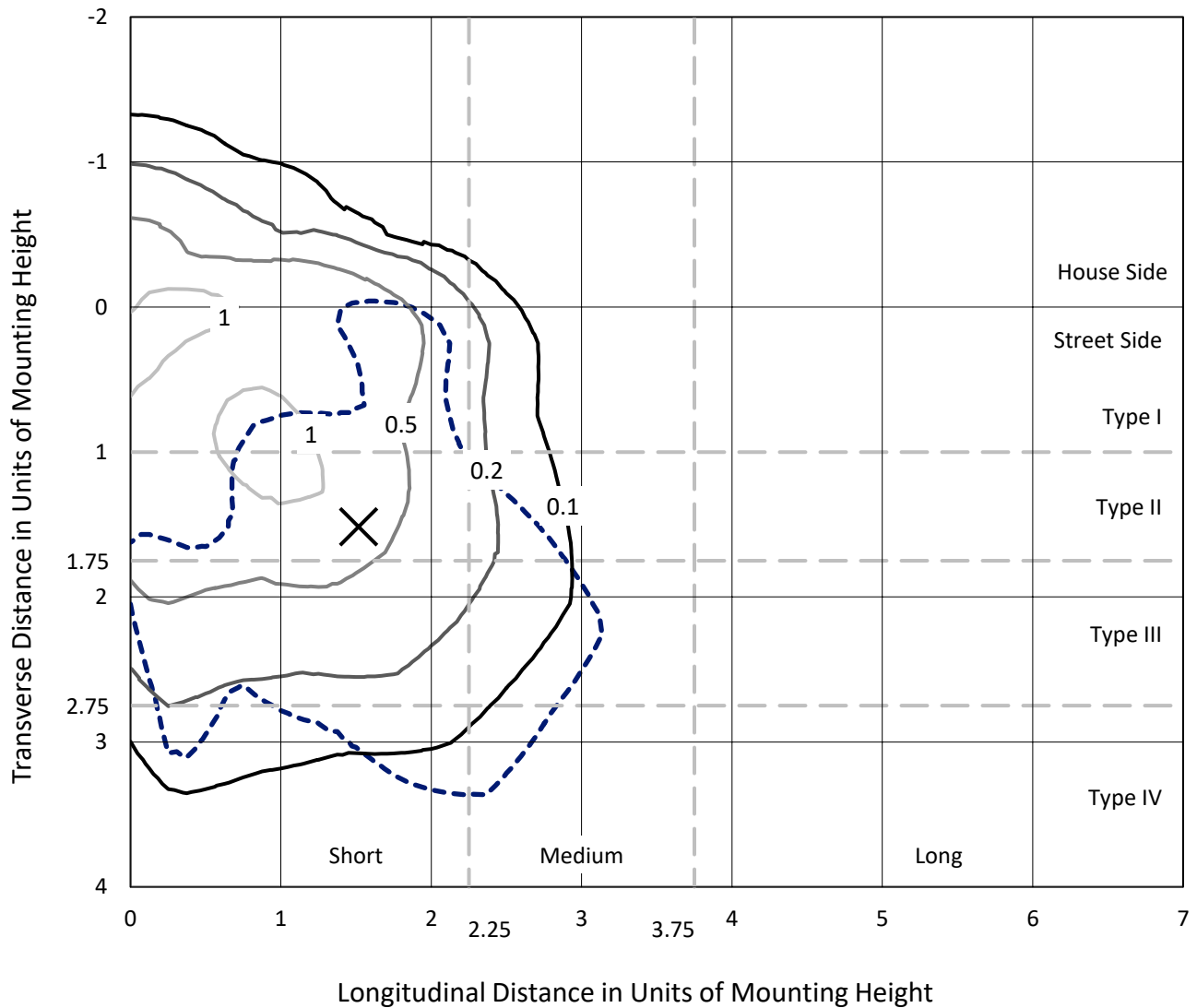
Input Watts (W): 39.8
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P945406
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Iso-Footcandle Lines of Horizontal Illumination

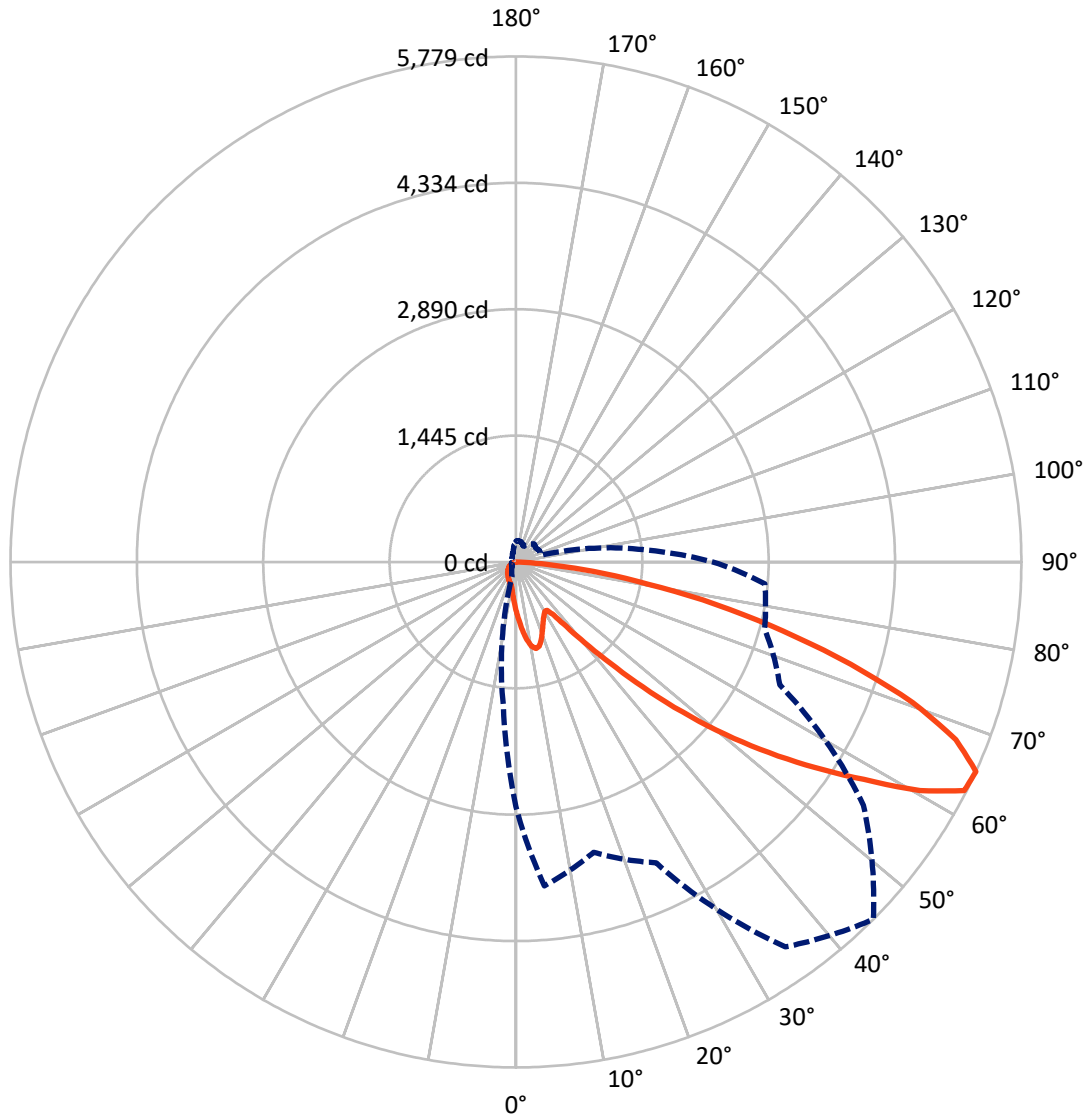
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.5 fc
 Type IV - Short - N/A

REPORT NUMBER: P945406
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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 | 817.3 | 0.0 | 817.3 |
| | % Fixture | 19.9 | 0.0 | 19.9 |
| Street Side | Lumens | 3294.7 | 0.0 | 3294.7 |
| | % Fixture | 80.1 | 0.0 | 80.1 |
| Total | Lumens | 4112.0 | 0.0 | 4112.0 |
| | % Fixture | 100.0 | 0.0 | 100.0 |

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 56.1 | 1.4 |
| 10°-20° | 168.0 | 4.1 |
| 20°-30° | 247.6 | 6.0 |
| 30°-40° | 318.0 | 7.7 |
| 40°-50° | 514.4 | 12.5 |
| 50°-60° | 902.0 | 21.9 |
| 60°-70° | 1128.7 | 27.4 |
| 70°-80° | 659.5 | 16.0 |
| 80°-90° | 117.7 | 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° | 4112.0 | 100.0 |
| 0°-180° | 4112.0 | 100.0 |

Coefficient of Utilization



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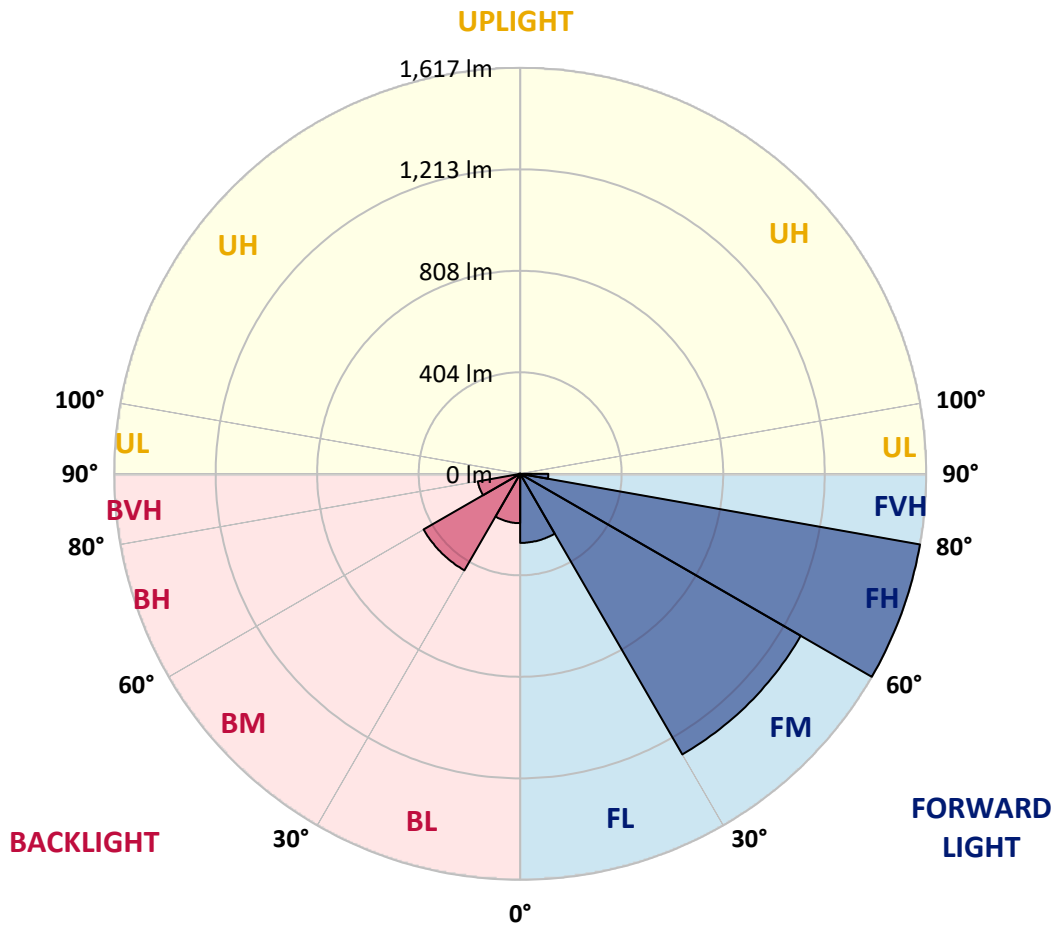
CATALOG NUMBER: GALN-SB1B-840-U-SLL-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

| Zone | Lumens | % Fixture | Zone Rating/Lumen Limit | | |
|----------------|--------|-----------|-------------------------|------|---------|
| | | | B | U | G |
| FL (0°-30°) | 275.1 | 6.7 | | | |
| FM (30°-60°) | 1290.4 | 31.4 | | | |
| FH (60°-80°) | 1617.0 | 39.3 | | | G1/1800 |
| FVH (80°-90°) | 112.2 | 2.7 | | | G2/225 |
| BL (0°-30°) | 196.5 | 4.8 | B1/500 | | |
| BM (30°-60°) | 444.1 | 10.8 | B1/1000 | | |
| BH (60°-80°) | 171.2 | 4.2 | B1/500 | | G1/500 |
| BVH (80°-90°) | 5.5 | 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° | 569.4 | 569.4 | 569.4 | 569.4 | 569.4 | 569.4 | 569.4 | 569.4 | 569.4 | 569.4 |
| 2.5° | 637.9 | 642.7 | 653.5 | 659.2 | 668.0 | 668.5 | 668.5 | 660.9 | 660.6 | 645.0 |
| 5° | 713.0 | 724.3 | 749.8 | 776.2 | 781.8 | 783.3 | 780.4 | 765.1 | 753.8 | 723.5 |
| 7.5° | 787.5 | 809.3 | 848.1 | 883.2 | 894.6 | 894.6 | 887.8 | 862.9 | 839.6 | 795.7 |
| 10° | 849.3 | 876.7 | 929.4 | 968.8 | 981.8 | 979.0 | 965.1 | 933.7 | 901.7 | 848.4 |
| 12.5° | 890.0 | 920.9 | 978.7 | 1010.4 | 1023.8 | 1016.4 | 1000.5 | 969.9 | 936.2 | 880.1 |
| 15° | 910.4 | 942.7 | 992.9 | 1009.6 | 1005.9 | 998.3 | 996.3 | 981.5 | 956.0 | 903.6 |
| 17.5° | 919.2 | 949.3 | 984.1 | 973.6 | 942.5 | 936.5 | 956.3 | 975.0 | 968.8 | 924.0 |
| 20° | 927.4 | 952.6 | 963.1 | 916.7 | 862.3 | 856.9 | 894.9 | 948.1 | 975.3 | 943.0 |
| 22.5° | 938.8 | 954.3 | 932.8 | 856.6 | 798.0 | 785.5 | 827.4 | 907.6 | 977.3 | 967.1 |
| 25° | 954.3 | 958.6 | 899.4 | 799.7 | 740.8 | 728.3 | 767.4 | 862.6 | 973.9 | 993.2 |
| 27.5° | 973.0 | 964.3 | 867.4 | 752.1 | 695.2 | 683.5 | 722.6 | 819.2 | 964.3 | 1019.2 |
| 30° | 997.4 | 971.6 | 835.7 | 715.3 | 662.6 | 654.1 | 691.8 | 781.8 | 952.4 | 1052.4 |
| 32.5° | 1022.1 | 974.7 | 806.2 | 693.7 | 655.2 | 658.3 | 689.2 | 761.7 | 939.3 | 1084.1 |
| 35° | 1048.7 | 984.7 | 791.8 | 715.0 | 716.7 | 743.9 | 756.6 | 780.4 | 937.4 | 1127.1 |
| 37.5° | 1084.9 | 1006.8 | 809.0 | 820.6 | 879.6 | 935.9 | 925.5 | 871.9 | 960.3 | 1191.4 |
| 40° | 1137.1 | 1045.6 | 884.4 | 1000.5 | 1121.5 | 1213.0 | 1173.0 | 1038.2 | 1030.6 | 1284.1 |
| 42.5° | 1213.0 | 1107.3 | 1018.1 | 1220.3 | 1425.4 | 1576.1 | 1469.1 | 1252.6 | 1153.5 | 1416.4 |
| 45° | 1325.2 | 1207.3 | 1179.8 | 1452.3 | 1800.2 | 2037.6 | 1814.9 | 1481.2 | 1325.7 | 1616.6 |
| 47.5° | 1480.7 | 1354.3 | 1331.4 | 1696.8 | 2255.7 | 2562.8 | 2198.5 | 1693.1 | 1521.7 | 1889.7 |
| 50° | 1687.2 | 1552.3 | 1475.0 | 1964.2 | 2755.1 | 3098.2 | 2581.8 | 1897.7 | 1746.4 | 2223.4 |
| 52.5° | 1959.7 | 1828.5 | 1642.4 | 2218.9 | 3268.7 | 3622.2 | 2966.7 | 2077.2 | 2025.1 | 2610.7 |
| 55° | 2331.3 | 2244.1 | 1871.3 | 2461.9 | 3782.0 | 4149.4 | 3336.7 | 2246.6 | 2393.4 | 3070.7 |
| 57.5° | 2792.5 | 2854.8 | 2201.3 | 2743.8 | 4243.4 | 4692.7 | 3708.3 | 2483.5 | 2871.5 | 3585.1 |
| 60° | 3090.0 | 3667.0 | 2833.3 | 3160.5 | 4767.8 | 5307.1 | 4217.7 | 2933.9 | 3374.1 | 3769.5 |
| 62.5° | 3018.0 | 3925.3 | 3590.2 | 3692.5 | 5249.9 | 5753.9 | 4716.8 | 3386.3 | 3468.7 | 3497.9 |
| 65° | 2797.3 | 3716.8 | 3435.8 | 3795.9 | 5372.0 | 5779.1 | 4850.2 | 3327.9 | 2942.4 | 2855.7 |
| 67.5° | 2493.7 | 3469.5 | 3069.0 | 3521.7 | 5151.3 | 5426.7 | 4601.8 | 2943.8 | 2273.8 | 2143.0 |
| 70° | 2165.9 | 3195.9 | 2828.2 | 3214.0 | 4730.7 | 4812.5 | 4179.4 | 2589.1 | 1672.4 | 1447.2 |
| 72.5° | 1854.9 | 2910.9 | 2663.3 | 2898.7 | 4169.5 | 4000.1 | 3629.6 | 2275.5 | 1217.8 | 1043.9 |
| 75° | 1536.8 | 2490.5 | 2428.5 | 2524.3 | 3431.6 | 3150.9 | 3015.7 | 1884.1 | 955.8 | 755.2 |
| 77.5° | 1185.8 | 1946.1 | 2088.9 | 2021.4 | 2415.5 | 2340.4 | 2337.6 | 1415.8 | 698.3 | 503.9 |
| 80° | 811.6 | 1356.3 | 1631.9 | 1426.0 | 1567.6 | 1529.4 | 1760.5 | 949.8 | 506.5 | 303.4 |
| 82.5° | 477.0 | 825.7 | 1135.9 | 690.3 | 866.8 | 889.8 | 1048.4 | 462.0 | 298.0 | 70.0 |
| 85° | 193.5 | 326.0 | 444.2 | 270.2 | 418.1 | 352.7 | 398.0 | 129.7 | 83.0 | 1.7 |
| 87.5° | 48.7 | 104.2 | 73.1 | 30.3 | 48.4 | 44.5 | 35.1 | 15.9 | 3.4 | 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° |
|--------|-------|--------|--------|-------|-------|-------|-------|-------|-------|-------|-------|
| 569.4 | 0° | 569.4 | 569.4 | 569.4 | 569.4 | 569.4 | 569.4 | 569.4 | 569.4 | 569.4 | 569.4 |
| 643.3 | 2.5° | 632.3 | 625.8 | 609.6 | 593.5 | 580.4 | 562.9 | 551.3 | 537.4 | 524.1 | 512.2 |
| 717.0 | 5° | 699.1 | 677.6 | 648.1 | 621.2 | 593.7 | 567.1 | 540.8 | 513.0 | 487.5 | 471.9 |
| 779.3 | 7.5° | 753.5 | 715.5 | 676.5 | 642.2 | 609.0 | 577.9 | 543.0 | 509.3 | 469.4 | 448.1 |
| 826.9 | 10° | 794.0 | 744.2 | 692.9 | 653.5 | 620.1 | 589.8 | 560.3 | 526.3 | 478.2 | 451.5 |
| 855.8 | 12.5° | 820.6 | 761.4 | 701.4 | 656.3 | 619.0 | 595.4 | 582.4 | 569.1 | 521.2 | 490.1 |
| 877.0 | 15° | 839.1 | 773.6 | 707.3 | 649.8 | 603.9 | 586.7 | 599.7 | 615.0 | 584.4 | 548.4 |
| 899.1 | 17.5° | 859.2 | 789.5 | 709.9 | 632.3 | 574.8 | 567.4 | 601.1 | 636.5 | 635.1 | 599.4 |
| 920.1 | 20° | 880.4 | 803.4 | 708.2 | 603.9 | 539.4 | 545.9 | 588.9 | 630.0 | 647.3 | 628.0 |
| 944.2 | 22.5° | 902.2 | 816.7 | 701.7 | 567.1 | 506.2 | 526.6 | 569.7 | 605.6 | 626.0 | 620.1 |
| 973.6 | 25° | 929.7 | 835.4 | 692.0 | 527.5 | 478.7 | 507.1 | 547.3 | 576.5 | 590.6 | 590.3 |
| 1005.3 | 27.5° | 962.6 | 860.3 | 686.9 | 495.4 | 459.2 | 485.0 | 520.7 | 546.7 | 556.6 | 556.6 |
| 1044.7 | 30° | 1000.8 | 889.8 | 681.3 | 474.5 | 447.9 | 462.0 | 489.8 | 515.3 | 525.2 | 525.2 |
| 1087.8 | 32.5° | 1043.3 | 918.1 | 667.7 | 461.7 | 439.4 | 439.6 | 457.2 | 480.4 | 492.3 | 494.0 |
| 1141.6 | 35° | 1094.3 | 948.4 | 637.9 | 451.5 | 429.4 | 417.8 | 426.3 | 445.6 | 459.8 | 463.4 |
| 1218.4 | 37.5° | 1161.1 | 985.5 | 595.4 | 436.5 | 414.1 | 394.9 | 396.9 | 411.6 | 427.2 | 432.8 |
| 1324.3 | 40° | 1250.9 | 1029.1 | 551.3 | 415.0 | 392.6 | 369.7 | 368.8 | 379.6 | 394.9 | 401.1 |
| 1467.6 | 42.5° | 1369.6 | 1081.5 | 509.0 | 394.3 | 366.6 | 343.0 | 341.6 | 350.1 | 363.4 | 370.0 |
| 1656.9 | 45° | 1521.5 | 1145.8 | 472.8 | 378.2 | 341.1 | 317.8 | 317.3 | 324.3 | 336.0 | 342.8 |
| 1899.1 | 47.5° | 1732.5 | 1210.1 | 448.1 | 369.7 | 320.9 | 297.2 | 298.3 | 304.5 | 315.0 | 319.8 |
| 2212.7 | 50° | 2007.6 | 1229.7 | 435.7 | 369.7 | 310.2 | 278.7 | 284.4 | 289.5 | 297.4 | 300.3 |
| 2588.6 | 52.5° | 2271.6 | 1165.1 | 424.3 | 371.9 | 311.6 | 263.2 | 275.3 | 279.0 | 285.8 | 287.0 |
| 2937.0 | 55° | 2401.0 | 1001.7 | 408.8 | 372.5 | 320.4 | 249.8 | 268.0 | 274.8 | 277.3 | 277.0 |
| 3139.2 | 57.5° | 2356.6 | 809.9 | 382.4 | 370.2 | 326.3 | 241.3 | 258.9 | 271.9 | 273.6 | 271.1 |
| 3100.7 | 60° | 2200.5 | 596.3 | 362.3 | 353.5 | 324.1 | 238.8 | 245.0 | 265.7 | 268.3 | 264.9 |
| 2803.8 | 62.5° | 1938.7 | 413.9 | 346.7 | 316.7 | 314.2 | 238.0 | 223.2 | 252.1 | 258.3 | 253.5 |
| 2253.7 | 65° | 1526.3 | 292.3 | 298.6 | 277.6 | 292.6 | 233.4 | 200.6 | 235.7 | 244.2 | 236.8 |
| 1635.1 | 67.5° | 1032.8 | 211.0 | 241.9 | 251.5 | 257.8 | 223.2 | 184.1 | 217.0 | 228.3 | 218.7 |
| 1049.2 | 70° | 557.8 | 148.2 | 159.8 | 211.9 | 219.0 | 205.7 | 169.4 | 198.0 | 211.0 | 200.6 |
| 745.9 | 72.5° | 329.4 | 106.5 | 111.9 | 170.2 | 182.4 | 181.0 | 153.0 | 175.9 | 191.8 | 179.3 |
| 514.7 | 75° | 181.6 | 72.0 | 79.9 | 123.5 | 148.2 | 139.7 | 131.4 | 149.0 | 165.1 | 153.0 |
| 322.6 | 77.5° | 81.3 | 43.1 | 55.5 | 81.0 | 116.4 | 95.7 | 101.7 | 116.1 | 131.2 | 118.4 |
| 179.6 | 80° | 31.4 | 24.1 | 36.8 | 44.2 | 84.7 | 53.0 | 65.4 | 85.5 | 96.3 | 86.1 |
| 39.1 | 82.5° | 4.0 | 10.8 | 15.9 | 17.3 | 49.3 | 28.0 | 38.0 | 53.8 | 53.0 | 45.9 |
| 0.0 | 85° | 0.0 | 2.0 | 2.3 | 1.1 | 21.2 | 10.2 | 12.5 | 17.6 | 16.4 | 12.5 |
| 0.0 | 87.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.6 | 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° |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 569.4 | 0° | 569.4 | 569.4 | 569.4 | 569.4 | 569.4 | 569.4 | 569.4 | 569.4 | 569.4 | 569.4 |
| 509.9 | 2.5° | 496.0 | 485.8 | 480.7 | 476.5 | 480.4 | 482.7 | 482.7 | 492.3 | 498.0 | 500.3 |
| 462.0 | 5° | 437.1 | 418.1 | 405.4 | 397.7 | 400.3 | 403.1 | 406.2 | 418.4 | 426.6 | 432.0 |
| 428.9 | 7.5° | 390.6 | 361.7 | 343.9 | 334.5 | 336.0 | 337.9 | 340.5 | 352.4 | 360.6 | 367.7 |
| 422.6 | 10° | 367.7 | 326.9 | 303.4 | 292.1 | 290.1 | 288.9 | 288.1 | 295.2 | 301.4 | 307.1 |
| 448.1 | 12.5° | 368.8 | 311.9 | 283.3 | 269.4 | 263.4 | 256.6 | 251.3 | 252.4 | 256.4 | 263.4 |
| 493.7 | 15° | 383.3 | 307.1 | 272.8 | 255.5 | 245.6 | 237.7 | 231.2 | 229.7 | 231.2 | 232.3 |
| 545.9 | 17.5° | 402.8 | 306.5 | 263.7 | 242.2 | 232.0 | 225.5 | 219.5 | 217.6 | 217.8 | 219.3 |
| 580.4 | 20° | 418.4 | 304.8 | 253.5 | 229.5 | 220.4 | 214.7 | 208.8 | 206.8 | 207.4 | 207.6 |
| 583.8 | 22.5° | 426.6 | 302.3 | 242.2 | 216.7 | 209.1 | 203.4 | 198.0 | 197.7 | 197.7 | 199.4 |
| 565.4 | 25° | 426.6 | 296.9 | 232.0 | 204.5 | 197.7 | 192.6 | 186.1 | 187.2 | 187.8 | 190.1 |
| 536.8 | 27.5° | 416.4 | 286.7 | 223.8 | 194.0 | 187.0 | 181.9 | 175.9 | 177.3 | 178.2 | 180.7 |
| 508.5 | 30° | 403.4 | 274.5 | 214.4 | 184.1 | 175.9 | 172.2 | 167.1 | 167.7 | 168.8 | 171.7 |
| 482.1 | 32.5° | 389.5 | 260.0 | 206.8 | 174.2 | 166.0 | 163.2 | 157.5 | 158.4 | 159.5 | 162.6 |
| 456.1 | 35° | 374.2 | 243.0 | 197.7 | 165.1 | 156.9 | 154.7 | 148.2 | 148.7 | 150.4 | 153.8 |
| 428.0 | 37.5° | 358.1 | 229.2 | 188.7 | 156.4 | 147.9 | 145.6 | 138.8 | 139.4 | 141.4 | 145.3 |
| 398.6 | 40° | 342.2 | 215.6 | 179.0 | 147.0 | 138.5 | 136.5 | 129.2 | 129.7 | 132.0 | 136.3 |
| 368.8 | 42.5° | 324.9 | 205.1 | 166.6 | 137.4 | 128.3 | 126.3 | 119.5 | 120.4 | 122.9 | 127.2 |
| 341.3 | 45° | 304.2 | 198.3 | 152.7 | 128.3 | 118.1 | 116.1 | 109.9 | 111.6 | 114.4 | 118.7 |
| 317.8 | 47.5° | 283.0 | 195.5 | 141.1 | 118.7 | 107.6 | 105.9 | 100.8 | 103.7 | 106.8 | 110.2 |
| 297.7 | 50° | 262.6 | 191.8 | 129.2 | 109.6 | 98.6 | 96.9 | 93.5 | 97.2 | 100.3 | 103.4 |
| 283.3 | 52.5° | 239.4 | 183.8 | 118.4 | 101.7 | 90.9 | 90.4 | 88.7 | 92.1 | 94.9 | 97.7 |
| 270.8 | 55° | 215.3 | 171.1 | 109.1 | 94.6 | 84.4 | 85.0 | 84.1 | 87.0 | 89.2 | 91.8 |
| 259.5 | 57.5° | 194.3 | 155.0 | 101.7 | 87.0 | 78.8 | 80.4 | 79.3 | 80.7 | 82.1 | 85.3 |
| 245.9 | 60° | 173.1 | 135.7 | 93.5 | 77.9 | 73.1 | 75.1 | 72.0 | 71.7 | 72.2 | 73.1 |
| 225.8 | 62.5° | 144.5 | 115.6 | 83.3 | 70.0 | 66.9 | 67.7 | 61.8 | 57.2 | 57.2 | 58.1 |
| 197.7 | 65° | 116.1 | 96.9 | 72.0 | 60.9 | 58.4 | 57.8 | 49.3 | 43.1 | 42.5 | 45.0 |
| 165.1 | 67.5° | 95.5 | 80.4 | 60.6 | 50.7 | 49.0 | 49.6 | 43.3 | 37.1 | 36.5 | 39.4 |
| 134.6 | 70° | 79.0 | 64.9 | 48.4 | 39.1 | 40.8 | 43.3 | 37.1 | 31.2 | 30.3 | 32.9 |
| 109.3 | 72.5° | 62.9 | 50.7 | 37.1 | 28.9 | 33.7 | 36.8 | 30.3 | 24.6 | 24.1 | 26.3 |
| 84.4 | 75° | 46.2 | 36.3 | 25.2 | 21.0 | 26.1 | 28.9 | 22.1 | 17.6 | 16.7 | 18.7 |
| 56.4 | 77.5° | 28.6 | 20.4 | 15.9 | 12.5 | 17.8 | 19.3 | 11.6 | 10.2 | 9.9 | 11.3 |
| 34.3 | 80° | 13.3 | 8.8 | 7.6 | 4.2 | 6.5 | 7.6 | 4.8 | 5.4 | 5.7 | 6.8 |
| 17.3 | 82.5° | 3.7 | 1.4 | 0.3 | 0.0 | 0.0 | 2.3 | 1.1 | 2.3 | 2.8 | 4.2 |
| 1.4 | 85° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.6 | 1.4 | 2.5 |
| 0.0 | 87.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.1 |
| 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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| 168.0 | 32.5° | 168.5 | 168.5 | 170.2 | 176.2 | 289.5 | 682.4 | 967.4 | 1022.1 |
| 159.2 | 35° | 160.0 | 159.5 | 161.7 | 168.0 | 230.3 | 655.8 | 989.2 | 1048.7 |
| 150.4 | 37.5° | 151.0 | 150.7 | 153.0 | 160.0 | 198.9 | 624.9 | 1005.6 | 1084.9 |
| 141.6 | 40° | 141.4 | 141.4 | 143.9 | 151.6 | 189.8 | 586.1 | 1031.7 | 1137.1 |
| 132.6 | 42.5° | 132.6 | 132.0 | 134.8 | 144.2 | 183.0 | 549.0 | 1078.4 | 1213.0 |
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| 88.9 | 57.5° | 87.8 | 80.4 | 80.4 | 89.5 | 126.6 | 698.6 | 2041.3 | 2792.5 |
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| 32.3 | 72.5° | 35.4 | 32.0 | 29.7 | 51.8 | 40.2 | 55.0 | 561.2 | 1854.9 |
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| 15.6 | 77.5° | 20.4 | 19.3 | 16.1 | 25.2 | 21.8 | 30.0 | 194.0 | 1185.8 |
| 9.6 | 80° | 10.5 | 10.8 | 10.2 | 14.4 | 14.7 | 20.4 | 110.5 | 811.6 |
| 6.2 | 82.5° | 6.2 | 4.8 | 5.4 | 7.1 | 8.5 | 11.6 | 41.6 | 477.0 |
| 4.5 | 85° | 4.0 | 2.5 | 2.5 | 3.4 | 4.2 | 4.5 | 12.7 | 193.5 |
| 2.3 | 87.5° | 2.0 | 0.8 | 1.1 | 1.7 | 1.4 | 1.1 | 0.6 | 48.7 |
| 0.0 | 90° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

(END OF REPORT)