

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: P945868

Luminaire Tested: **GALN-SB1C-940-U-SLL-HSS**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P945868
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-940-U-SLL-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(1) 90 CRI, 4000K, 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: 4143 lumens
Efficiency: N/A
Efficacy: 76.2 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

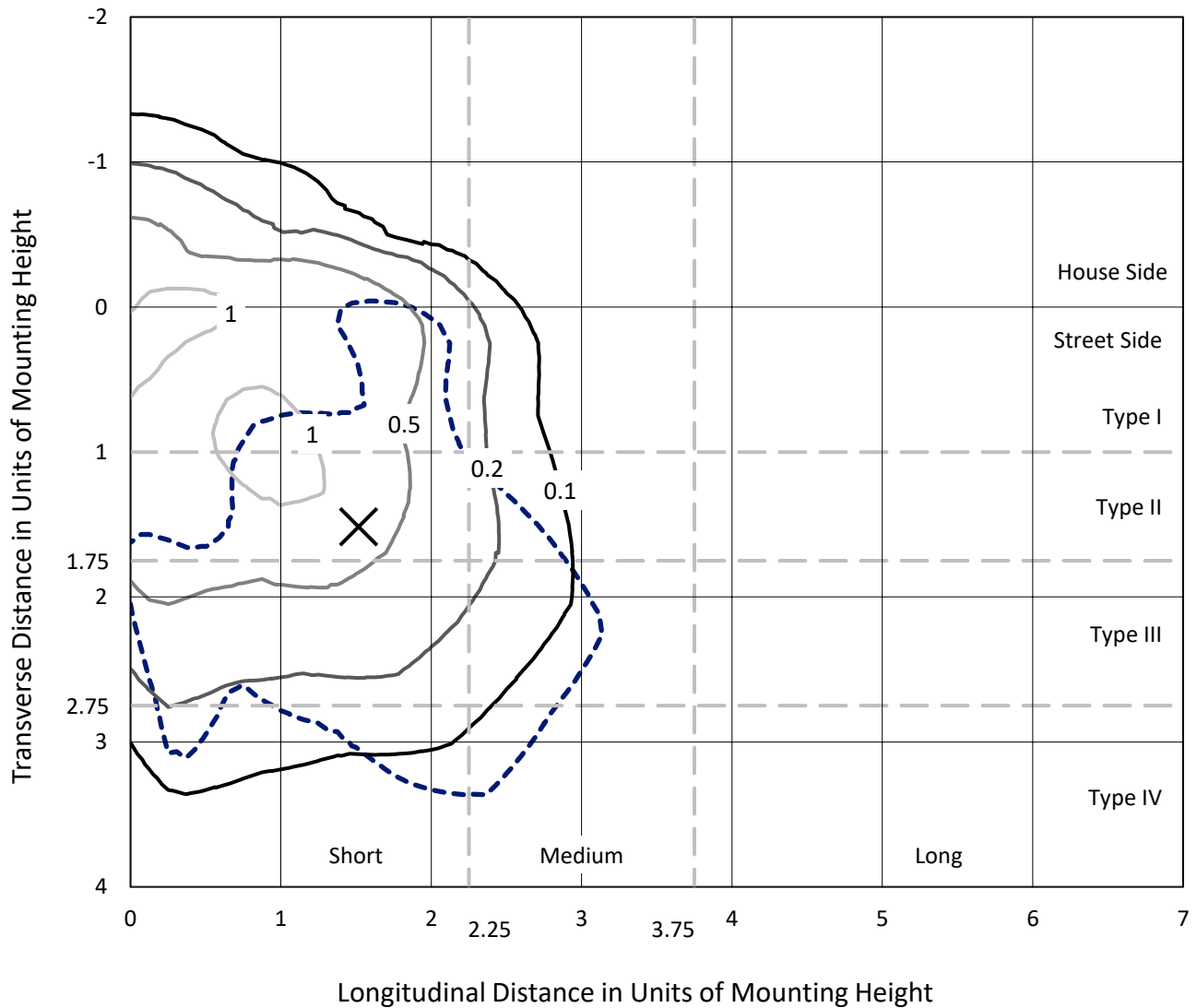
Input Watts (W): 54.4
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P945868
 CATALOG NUMBER: GALN-SB1C-940-U-SLL-HSS

Iso-Footcandle Lines of Horizontal Illumination

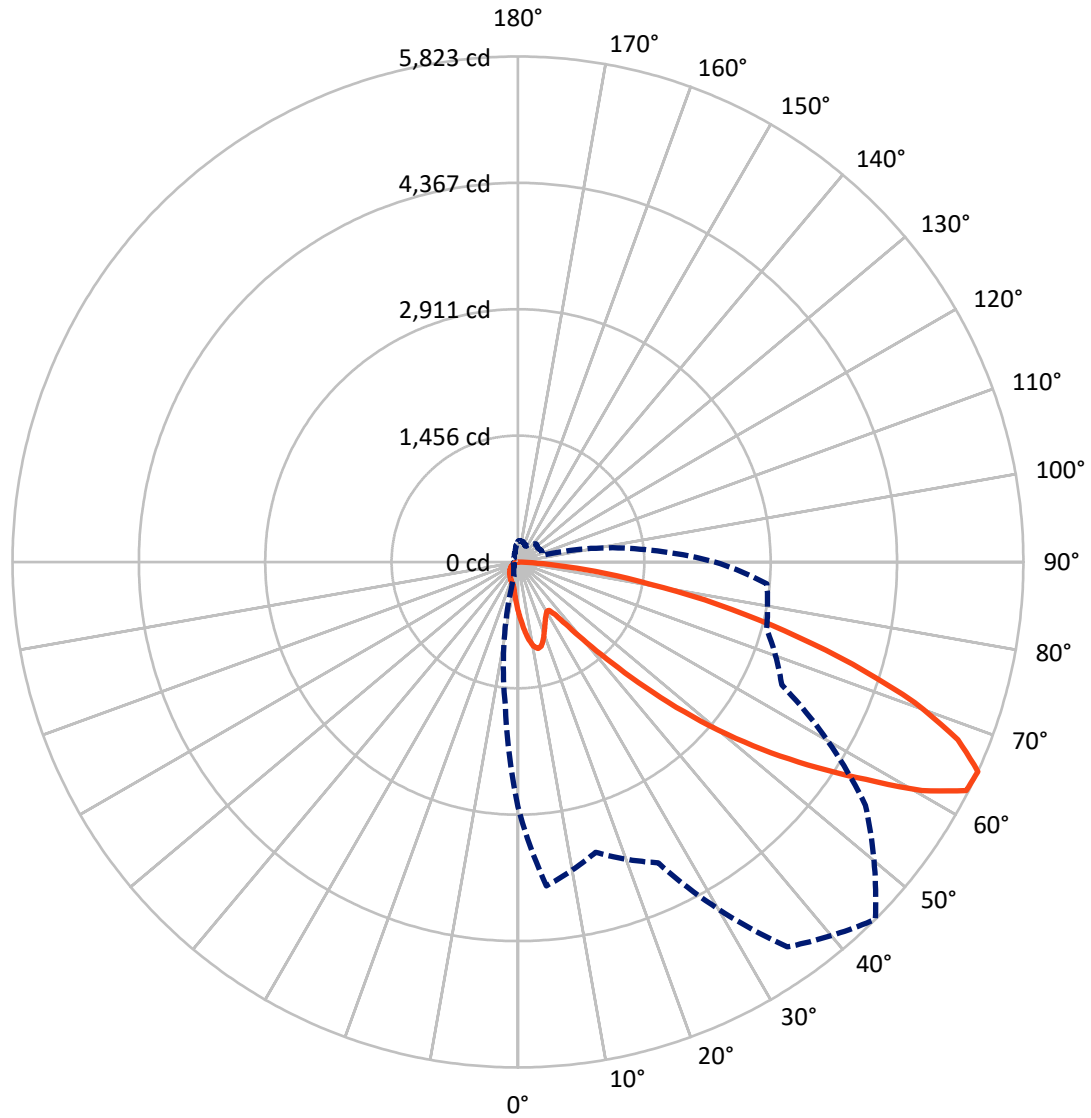
✕ Max cd
 - - - 1/2 Max cd



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

REPORT NUMBER: P945868
CATALOG NUMBER: GALN-SB1C-940-U-SLL-HSS

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 | 823.5 | 0.0 | 823.5 |
| | % Fixture | 19.9 | 0.0 | 19.9 |
| Street Side | Lumens | 3319.5 | 0.0 | 3319.5 |
| | % Fixture | 80.1 | 0.0 | 80.1 |
| Total | Lumens | 4143.0 | 0.0 | 4143.0 |
| | % Fixture | 100.0 | 0.0 | 100.0 |

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 56.5 | 1.4 |
| 10°-20° | 169.3 | 4.1 |
| 20°-30° | 249.4 | 6.0 |
| 30°-40° | 320.4 | 7.7 |
| 40°-50° | 518.3 | 12.5 |
| 50°-60° | 908.8 | 21.9 |
| 60°-70° | 1137.2 | 27.4 |
| 70°-80° | 664.5 | 16.0 |
| 80°-90° | 118.6 | 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° | 4143.0 | 100.0 |
| 0°-180° | 4143.0 | 100.0 |

Coefficient of Utilization



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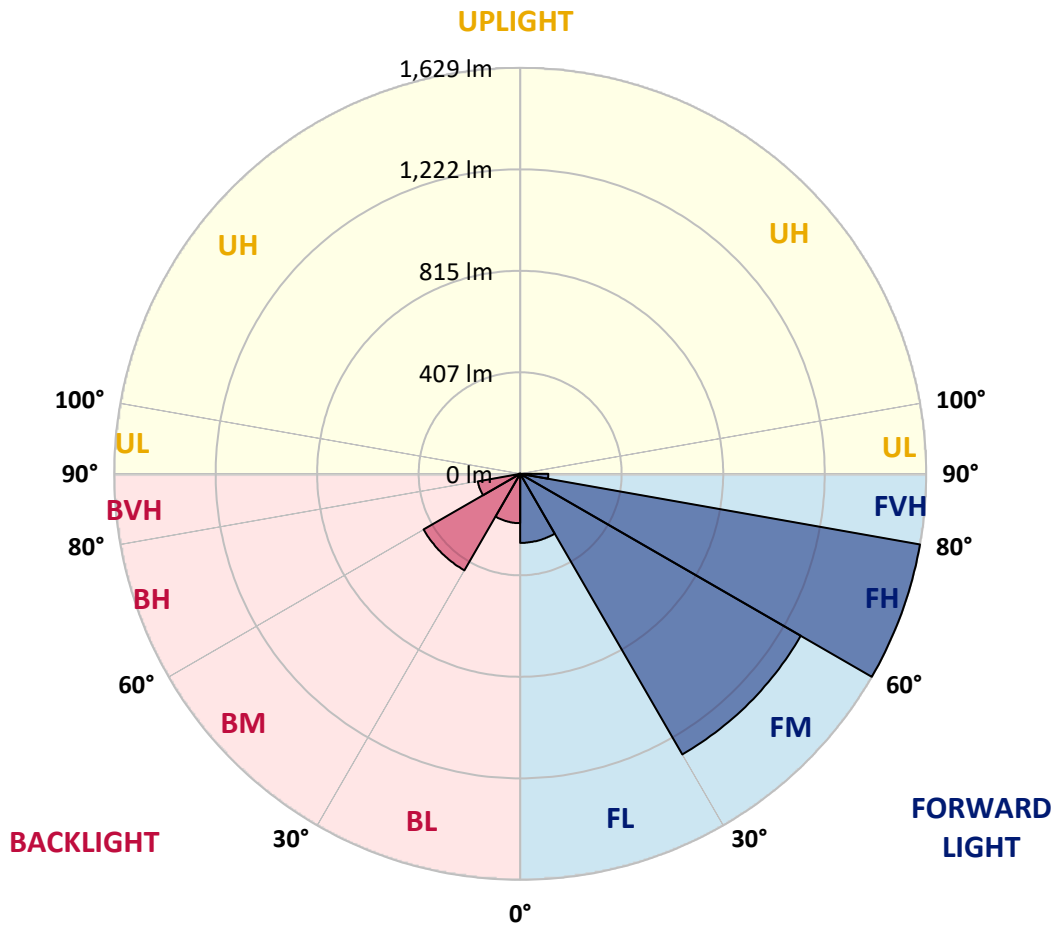
CATALOG NUMBER: GALN-SB1C-940-U-SLL-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

| Zone | Lumens | % Fixture | Zone Rating/Lumen Limit | | |
|----------------|--------|-----------|-------------------------|------|---------|
| | | | B | U | G |
| FL (0°-30°) | 277.2 | 6.7 | | | |
| FM (30°-60°) | 1300.1 | 31.4 | | | |
| FH (60°-80°) | 1629.2 | 39.3 | | | G1/1800 |
| FVH (80°-90°) | 113.0 | 2.7 | | | G2/225 |
| BL (0°-30°) | 198.0 | 4.8 | B1/500 | | |
| BM (30°-60°) | 447.4 | 10.8 | B1/1000 | | |
| BH (60°-80°) | 172.5 | 4.2 | B1/500 | | G1/500 |
| BVH (80°-90°) | 5.6 | 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° | 573.7 | 573.7 | 573.7 | 573.7 | 573.7 | 573.7 | 573.7 | 573.7 | 573.7 | 573.7 |
| 2.5° | 642.7 | 647.6 | 658.4 | 664.1 | 673.0 | 673.6 | 673.6 | 665.9 | 665.6 | 649.9 |
| 5° | 718.4 | 729.8 | 755.5 | 782.0 | 787.7 | 789.2 | 786.3 | 770.9 | 759.5 | 728.9 |
| 7.5° | 793.4 | 815.4 | 854.5 | 889.9 | 901.3 | 901.3 | 894.5 | 869.4 | 846.0 | 801.7 |
| 10° | 855.7 | 883.3 | 936.4 | 976.1 | 989.2 | 986.4 | 972.4 | 940.7 | 908.5 | 854.8 |
| 12.5° | 896.8 | 927.9 | 986.1 | 1018.1 | 1031.5 | 1024.0 | 1008.1 | 977.2 | 943.3 | 886.8 |
| 15° | 917.3 | 949.8 | 1000.4 | 1017.2 | 1013.5 | 1005.8 | 1003.8 | 988.9 | 963.3 | 910.5 |
| 17.5° | 926.2 | 956.4 | 991.5 | 981.0 | 949.6 | 943.6 | 963.5 | 982.4 | 976.1 | 931.0 |
| 20° | 934.4 | 959.8 | 970.4 | 923.6 | 868.8 | 863.4 | 901.6 | 955.3 | 982.7 | 950.1 |
| 22.5° | 945.8 | 961.5 | 939.9 | 863.1 | 804.0 | 791.4 | 833.7 | 914.5 | 984.7 | 974.4 |
| 25° | 961.5 | 965.8 | 906.2 | 805.7 | 746.3 | 733.8 | 773.2 | 869.1 | 981.2 | 1000.6 |
| 27.5° | 980.4 | 971.5 | 873.9 | 757.8 | 700.4 | 688.7 | 728.1 | 825.4 | 971.5 | 1026.9 |
| 30° | 1004.9 | 979.0 | 842.0 | 720.7 | 667.6 | 659.0 | 697.0 | 787.7 | 959.5 | 1060.3 |
| 32.5° | 1029.8 | 982.1 | 812.3 | 699.0 | 660.2 | 663.3 | 694.4 | 767.5 | 946.4 | 1092.3 |
| 35° | 1056.6 | 992.1 | 797.7 | 720.4 | 722.1 | 749.5 | 762.3 | 786.3 | 944.4 | 1135.6 |
| 37.5° | 1093.1 | 1014.3 | 815.1 | 826.8 | 886.2 | 943.0 | 932.4 | 878.5 | 967.5 | 1200.4 |
| 40° | 1145.6 | 1053.4 | 891.0 | 1008.1 | 1129.9 | 1222.1 | 1181.9 | 1046.0 | 1038.3 | 1293.8 |
| 42.5° | 1222.1 | 1115.7 | 1025.8 | 1229.5 | 1436.2 | 1588.0 | 1480.1 | 1262.1 | 1162.2 | 1427.0 |
| 45° | 1335.1 | 1216.4 | 1188.7 | 1463.3 | 1813.8 | 2052.9 | 1828.6 | 1492.4 | 1335.7 | 1628.8 |
| 47.5° | 1491.8 | 1364.5 | 1341.4 | 1709.6 | 2272.7 | 2582.1 | 2215.1 | 1705.9 | 1533.2 | 1904.0 |
| 50° | 1699.9 | 1564.0 | 1486.1 | 1979.0 | 2775.9 | 3121.5 | 2601.2 | 1912.0 | 1759.5 | 2240.2 |
| 52.5° | 1974.5 | 1842.3 | 1654.8 | 2235.6 | 3293.3 | 3649.5 | 2989.1 | 2092.9 | 2040.4 | 2630.3 |
| 55° | 2348.9 | 2261.0 | 1885.4 | 2480.5 | 3810.5 | 4180.7 | 3361.8 | 2263.6 | 2411.4 | 3093.8 |
| 57.5° | 2813.6 | 2876.4 | 2217.9 | 2764.5 | 4275.4 | 4728.1 | 3736.3 | 2502.2 | 2893.2 | 3612.1 |
| 60° | 3113.2 | 3694.6 | 2854.7 | 3184.3 | 4803.7 | 5347.1 | 4249.5 | 2956.0 | 3399.5 | 3797.9 |
| 62.5° | 3040.8 | 3954.9 | 3617.3 | 3720.3 | 5289.5 | 5797.2 | 4752.4 | 3411.8 | 3494.8 | 3524.2 |
| 65° | 2818.4 | 3744.9 | 3461.7 | 3824.5 | 5412.5 | 5822.6 | 4886.8 | 3353.0 | 2964.5 | 2877.2 |
| 67.5° | 2512.5 | 3495.7 | 3092.1 | 3548.2 | 5190.2 | 5467.6 | 4636.5 | 2966.0 | 2291.0 | 2159.1 |
| 70° | 2182.2 | 3220.0 | 2849.5 | 3238.3 | 4766.3 | 4848.8 | 4210.9 | 2608.6 | 1685.1 | 1458.2 |
| 72.5° | 1868.9 | 2932.9 | 2683.4 | 2920.6 | 4200.9 | 4030.3 | 3657.0 | 2292.7 | 1227.0 | 1051.7 |
| 75° | 1548.3 | 2509.3 | 2446.8 | 2543.3 | 3457.4 | 3174.6 | 3038.5 | 1898.3 | 963.0 | 760.9 |
| 77.5° | 1194.7 | 1960.8 | 2104.6 | 2036.7 | 2433.7 | 2358.1 | 2355.2 | 1426.5 | 703.5 | 507.7 |
| 80° | 817.7 | 1366.5 | 1644.2 | 1436.8 | 1579.5 | 1540.9 | 1773.8 | 957.0 | 510.3 | 305.7 |
| 82.5° | 480.6 | 832.0 | 1144.5 | 695.5 | 873.4 | 896.5 | 1056.3 | 465.5 | 300.3 | 70.5 |
| 85° | 194.9 | 328.5 | 447.5 | 272.3 | 421.3 | 355.3 | 401.0 | 130.7 | 83.6 | 1.7 |
| 87.5° | 49.1 | 105.0 | 73.6 | 30.5 | 48.8 | 44.8 | 35.4 | 16.0 | 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° |
|--------|-------|--------|--------|-------|-------|-------|-------|-------|-------|-------|-------|
| 573.7 | 0° | 573.7 | 573.7 | 573.7 | 573.7 | 573.7 | 573.7 | 573.7 | 573.7 | 573.7 | 573.7 |
| 648.2 | 2.5° | 637.0 | 630.5 | 614.2 | 597.9 | 584.8 | 567.1 | 555.4 | 541.4 | 528.0 | 516.0 |
| 722.4 | 5° | 704.4 | 682.7 | 653.0 | 625.9 | 598.2 | 571.4 | 544.8 | 516.9 | 491.2 | 475.5 |
| 785.2 | 7.5° | 759.2 | 720.9 | 681.6 | 647.0 | 613.6 | 582.2 | 547.1 | 513.2 | 472.9 | 451.5 |
| 833.1 | 10° | 800.0 | 749.8 | 698.1 | 658.4 | 624.8 | 594.2 | 564.5 | 530.3 | 481.8 | 454.9 |
| 862.2 | 12.5° | 826.8 | 767.2 | 706.7 | 661.3 | 623.6 | 599.9 | 586.8 | 573.4 | 525.2 | 493.8 |
| 883.6 | 15° | 845.4 | 779.5 | 712.7 | 654.7 | 608.5 | 591.1 | 604.2 | 619.6 | 588.8 | 552.6 |
| 905.9 | 17.5° | 865.6 | 795.4 | 715.2 | 637.0 | 579.1 | 571.7 | 605.6 | 641.3 | 639.9 | 603.9 |
| 927.0 | 20° | 887.1 | 809.4 | 713.5 | 608.5 | 543.4 | 550.0 | 593.4 | 634.8 | 652.2 | 632.8 |
| 951.3 | 22.5° | 909.0 | 822.8 | 707.0 | 571.4 | 510.0 | 530.6 | 574.0 | 610.2 | 630.8 | 624.8 |
| 981.0 | 25° | 936.7 | 841.7 | 697.3 | 531.4 | 482.3 | 510.9 | 551.4 | 580.8 | 595.1 | 594.8 |
| 1012.9 | 27.5° | 969.8 | 866.8 | 692.1 | 499.2 | 462.6 | 488.6 | 524.6 | 550.8 | 560.8 | 560.8 |
| 1052.6 | 30° | 1008.4 | 896.5 | 686.4 | 478.1 | 451.2 | 465.5 | 493.5 | 519.2 | 529.1 | 529.1 |
| 1096.0 | 32.5° | 1051.2 | 925.0 | 672.7 | 465.2 | 442.7 | 443.0 | 460.7 | 484.1 | 496.0 | 497.8 |
| 1150.2 | 35° | 1102.5 | 955.6 | 642.7 | 454.9 | 432.7 | 421.0 | 429.5 | 448.9 | 463.2 | 466.9 |
| 1227.5 | 37.5° | 1169.9 | 992.9 | 599.9 | 439.8 | 417.3 | 397.9 | 399.9 | 414.7 | 430.4 | 436.1 |
| 1334.3 | 40° | 1260.4 | 1036.9 | 555.4 | 418.1 | 395.6 | 372.5 | 371.6 | 382.4 | 397.9 | 404.1 |
| 1478.7 | 42.5° | 1380.0 | 1089.7 | 512.9 | 397.3 | 369.3 | 345.6 | 344.2 | 352.8 | 366.2 | 372.7 |
| 1669.4 | 45° | 1532.9 | 1154.5 | 476.3 | 381.0 | 343.6 | 320.2 | 319.7 | 326.8 | 338.5 | 345.3 |
| 1913.4 | 47.5° | 1745.6 | 1219.3 | 451.5 | 372.5 | 323.4 | 299.4 | 300.5 | 306.8 | 317.4 | 322.2 |
| 2229.3 | 50° | 2022.7 | 1239.0 | 439.0 | 372.5 | 312.5 | 280.8 | 286.6 | 291.7 | 299.7 | 302.5 |
| 2608.1 | 52.5° | 2288.7 | 1173.9 | 427.5 | 374.7 | 314.0 | 265.1 | 277.4 | 281.1 | 288.0 | 289.1 |
| 2959.1 | 55° | 2419.1 | 1009.2 | 411.8 | 375.3 | 322.8 | 251.7 | 270.0 | 276.8 | 279.4 | 279.1 |
| 3162.9 | 57.5° | 2374.3 | 816.0 | 385.3 | 373.0 | 328.8 | 243.2 | 260.9 | 274.0 | 275.7 | 273.1 |
| 3124.1 | 60° | 2217.1 | 600.8 | 365.0 | 356.2 | 326.5 | 240.6 | 246.9 | 267.7 | 270.3 | 266.9 |
| 2825.0 | 62.5° | 1953.3 | 417.0 | 349.3 | 319.1 | 316.5 | 239.7 | 224.9 | 254.0 | 260.3 | 255.4 |
| 2270.7 | 65° | 1537.8 | 294.5 | 300.8 | 279.7 | 294.8 | 235.2 | 202.1 | 237.5 | 246.0 | 238.6 |
| 1647.4 | 67.5° | 1040.6 | 212.6 | 243.7 | 253.4 | 259.7 | 224.9 | 185.5 | 218.6 | 230.0 | 220.3 |
| 1057.2 | 70° | 562.0 | 149.3 | 161.0 | 213.5 | 220.6 | 207.2 | 170.7 | 199.5 | 212.6 | 202.1 |
| 751.5 | 72.5° | 331.9 | 107.3 | 112.7 | 171.5 | 183.8 | 182.4 | 154.1 | 177.2 | 193.2 | 180.7 |
| 518.6 | 75° | 182.9 | 72.5 | 80.5 | 124.4 | 149.3 | 140.7 | 132.4 | 150.1 | 166.4 | 154.1 |
| 325.1 | 77.5° | 81.9 | 43.4 | 55.9 | 81.6 | 117.3 | 96.5 | 102.5 | 117.0 | 132.1 | 119.3 |
| 180.9 | 80° | 31.7 | 24.3 | 37.1 | 44.5 | 85.3 | 53.4 | 65.9 | 86.2 | 97.0 | 86.8 |
| 39.4 | 82.5° | 4.0 | 10.8 | 16.0 | 17.4 | 49.7 | 28.3 | 38.2 | 54.2 | 53.4 | 46.2 |
| 0.0 | 85° | 0.0 | 2.0 | 2.3 | 1.1 | 21.4 | 10.3 | 12.6 | 17.7 | 16.6 | 12.6 |
| 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° |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 573.7 | 0° | 573.7 | 573.7 | 573.7 | 573.7 | 573.7 | 573.7 | 573.7 | 573.7 | 573.7 | 573.7 |
| 513.7 | 2.5° | 499.8 | 489.5 | 484.3 | 480.1 | 484.1 | 486.3 | 486.3 | 496.0 | 501.7 | 504.0 |
| 465.5 | 5° | 440.4 | 421.3 | 408.4 | 400.7 | 403.3 | 406.1 | 409.3 | 421.5 | 429.8 | 435.2 |
| 432.1 | 7.5° | 393.6 | 364.5 | 346.5 | 337.1 | 338.5 | 340.5 | 343.1 | 355.0 | 363.3 | 370.5 |
| 425.8 | 10° | 370.5 | 329.4 | 305.7 | 294.3 | 292.3 | 291.1 | 290.3 | 297.4 | 303.7 | 309.4 |
| 451.5 | 12.5° | 371.6 | 314.2 | 285.4 | 271.4 | 265.4 | 258.6 | 253.2 | 254.3 | 258.3 | 265.4 |
| 497.5 | 15° | 386.2 | 309.4 | 274.8 | 257.4 | 247.4 | 239.5 | 232.9 | 231.5 | 232.9 | 234.0 |
| 550.0 | 17.5° | 405.9 | 308.8 | 265.7 | 244.0 | 233.8 | 227.2 | 221.2 | 219.2 | 219.5 | 220.9 |
| 584.8 | 20° | 421.5 | 307.1 | 255.4 | 231.2 | 222.0 | 216.3 | 210.3 | 208.3 | 208.9 | 209.2 |
| 588.2 | 22.5° | 429.8 | 304.5 | 244.0 | 218.3 | 210.6 | 204.9 | 199.5 | 199.2 | 199.2 | 200.9 |
| 569.7 | 25° | 429.8 | 299.1 | 233.8 | 206.1 | 199.2 | 194.1 | 187.5 | 188.7 | 189.2 | 191.5 |
| 540.9 | 27.5° | 419.6 | 288.8 | 225.5 | 195.5 | 188.4 | 183.2 | 177.2 | 178.7 | 179.5 | 182.1 |
| 512.3 | 30° | 406.4 | 276.6 | 216.1 | 185.5 | 177.2 | 173.5 | 168.4 | 169.0 | 170.1 | 173.0 |
| 485.8 | 32.5° | 392.4 | 262.0 | 208.3 | 175.5 | 167.2 | 164.4 | 158.7 | 159.5 | 160.7 | 163.8 |
| 459.5 | 35° | 377.0 | 244.9 | 199.2 | 166.4 | 158.1 | 155.8 | 149.3 | 149.8 | 151.6 | 155.0 |
| 431.3 | 37.5° | 360.8 | 230.9 | 190.1 | 157.5 | 149.0 | 146.7 | 139.9 | 140.4 | 142.4 | 146.4 |
| 401.6 | 40° | 344.8 | 217.2 | 180.4 | 148.1 | 139.6 | 137.6 | 130.1 | 130.7 | 133.0 | 137.3 |
| 371.6 | 42.5° | 327.4 | 206.6 | 167.8 | 138.4 | 129.3 | 127.3 | 120.4 | 121.3 | 123.9 | 128.1 |
| 343.9 | 45° | 306.5 | 199.8 | 153.8 | 129.3 | 119.0 | 117.0 | 110.7 | 112.5 | 115.3 | 119.6 |
| 320.2 | 47.5° | 285.1 | 196.9 | 142.1 | 119.6 | 108.5 | 106.7 | 101.6 | 104.5 | 107.6 | 111.0 |
| 300.0 | 50° | 264.6 | 193.2 | 130.1 | 110.5 | 99.3 | 97.6 | 94.2 | 97.9 | 101.0 | 104.2 |
| 285.4 | 52.5° | 241.2 | 185.2 | 119.3 | 102.5 | 91.6 | 91.0 | 89.3 | 92.8 | 95.6 | 98.5 |
| 272.9 | 55° | 216.9 | 172.4 | 109.9 | 95.3 | 85.1 | 85.6 | 84.8 | 87.6 | 89.9 | 92.5 |
| 261.4 | 57.5° | 195.8 | 156.1 | 102.5 | 87.6 | 79.3 | 81.1 | 79.9 | 81.3 | 82.8 | 85.9 |
| 247.7 | 60° | 174.4 | 136.7 | 94.2 | 78.5 | 73.6 | 75.6 | 72.5 | 72.2 | 72.8 | 73.6 |
| 227.5 | 62.5° | 145.6 | 116.4 | 83.9 | 70.5 | 67.4 | 68.2 | 62.2 | 57.7 | 57.7 | 58.5 |
| 199.2 | 65° | 117.0 | 97.6 | 72.5 | 61.4 | 58.8 | 58.2 | 49.7 | 43.4 | 42.8 | 45.4 |
| 166.4 | 67.5° | 96.2 | 81.1 | 61.1 | 51.1 | 49.4 | 49.9 | 43.7 | 37.4 | 36.8 | 39.7 |
| 135.6 | 70° | 79.6 | 65.4 | 48.8 | 39.4 | 41.1 | 43.7 | 37.4 | 31.4 | 30.5 | 33.1 |
| 110.2 | 72.5° | 63.4 | 51.1 | 37.4 | 29.1 | 34.0 | 37.1 | 30.5 | 24.8 | 24.3 | 26.5 |
| 85.1 | 75° | 46.5 | 36.5 | 25.4 | 21.1 | 26.3 | 29.1 | 22.3 | 17.7 | 16.8 | 18.8 |
| 56.8 | 77.5° | 28.8 | 20.5 | 16.0 | 12.6 | 18.0 | 19.4 | 11.7 | 10.3 | 10.0 | 11.4 |
| 34.5 | 80° | 13.4 | 8.8 | 7.7 | 4.3 | 6.6 | 7.7 | 4.9 | 5.4 | 5.7 | 6.8 |
| 17.4 | 82.5° | 3.7 | 1.4 | 0.3 | 0.0 | 0.0 | 2.3 | 1.1 | 2.3 | 2.9 | 4.3 |
| 1.4 | 85° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.6 | 1.4 | 2.6 |
| 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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| 177.8 | 30° | 178.4 | 178.4 | 180.4 | 188.7 | 365.3 | 708.7 | 952.7 | 1004.9 |
| 169.2 | 32.5° | 169.8 | 169.8 | 171.5 | 177.5 | 291.7 | 687.6 | 974.7 | 1029.8 |
| 160.4 | 35° | 161.3 | 160.7 | 163.0 | 169.2 | 232.0 | 660.7 | 996.6 | 1056.6 |
| 151.6 | 37.5° | 152.1 | 151.8 | 154.1 | 161.3 | 200.4 | 629.6 | 1013.2 | 1093.1 |
| 142.7 | 40° | 142.4 | 142.4 | 145.0 | 152.7 | 191.2 | 590.5 | 1039.5 | 1145.6 |
| 133.6 | 42.5° | 133.6 | 133.0 | 135.9 | 145.3 | 184.4 | 553.1 | 1086.6 | 1222.1 |
| 125.3 | 45° | 125.0 | 123.9 | 126.4 | 138.1 | 172.4 | 540.0 | 1174.5 | 1335.1 |
| 117.3 | 47.5° | 117.0 | 114.2 | 116.4 | 129.6 | 161.5 | 589.1 | 1318.3 | 1491.8 |
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| 103.6 | 52.5° | 103.6 | 96.5 | 97.6 | 110.5 | 145.8 | 796.9 | 1707.3 | 1974.5 |
| 97.0 | 55° | 96.5 | 88.5 | 89.0 | 99.9 | 135.3 | 812.0 | 1904.8 | 2348.9 |
| 89.6 | 57.5° | 88.5 | 81.1 | 81.1 | 90.2 | 127.6 | 703.8 | 2056.7 | 2813.6 |
| 80.5 | 60° | 79.6 | 74.8 | 73.4 | 82.5 | 134.4 | 496.6 | 2074.4 | 3113.2 |
| 68.8 | 62.5° | 69.9 | 67.4 | 65.4 | 75.1 | 139.6 | 294.3 | 1931.9 | 3040.8 |
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| 32.5 | 72.5° | 35.7 | 32.3 | 30.0 | 52.2 | 40.5 | 55.4 | 565.4 | 1868.9 |
| 24.8 | 75° | 28.5 | 26.0 | 23.1 | 34.5 | 30.3 | 42.0 | 328.5 | 1548.3 |
| 15.7 | 77.5° | 20.5 | 19.4 | 16.3 | 25.4 | 22.0 | 30.3 | 195.5 | 1194.7 |
| 9.7 | 80° | 10.6 | 10.8 | 10.3 | 14.6 | 14.8 | 20.5 | 111.3 | 817.7 |
| 6.3 | 82.5° | 6.3 | 4.9 | 5.4 | 7.1 | 8.6 | 11.7 | 42.0 | 480.6 |
| 4.6 | 85° | 4.0 | 2.6 | 2.6 | 3.4 | 4.3 | 4.6 | 12.8 | 194.9 |
| 2.3 | 87.5° | 2.0 | 0.9 | 1.1 | 1.7 | 1.4 | 1.1 | 0.6 | 49.1 |
| 0.0 | 90° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

(END OF REPORT)