

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: P948033

Luminaire Tested: **GALN-SB3A-950-U-SLR-HSS**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P948033
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-SB3A-950-U-SLR-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(3) 90 CRI, 5000K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND SPILL LIGHT
ELIMINATOR RIGHT OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7146 lumens
Efficiency: N/A
Efficacy: 84.4 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B1 - U0 - G2

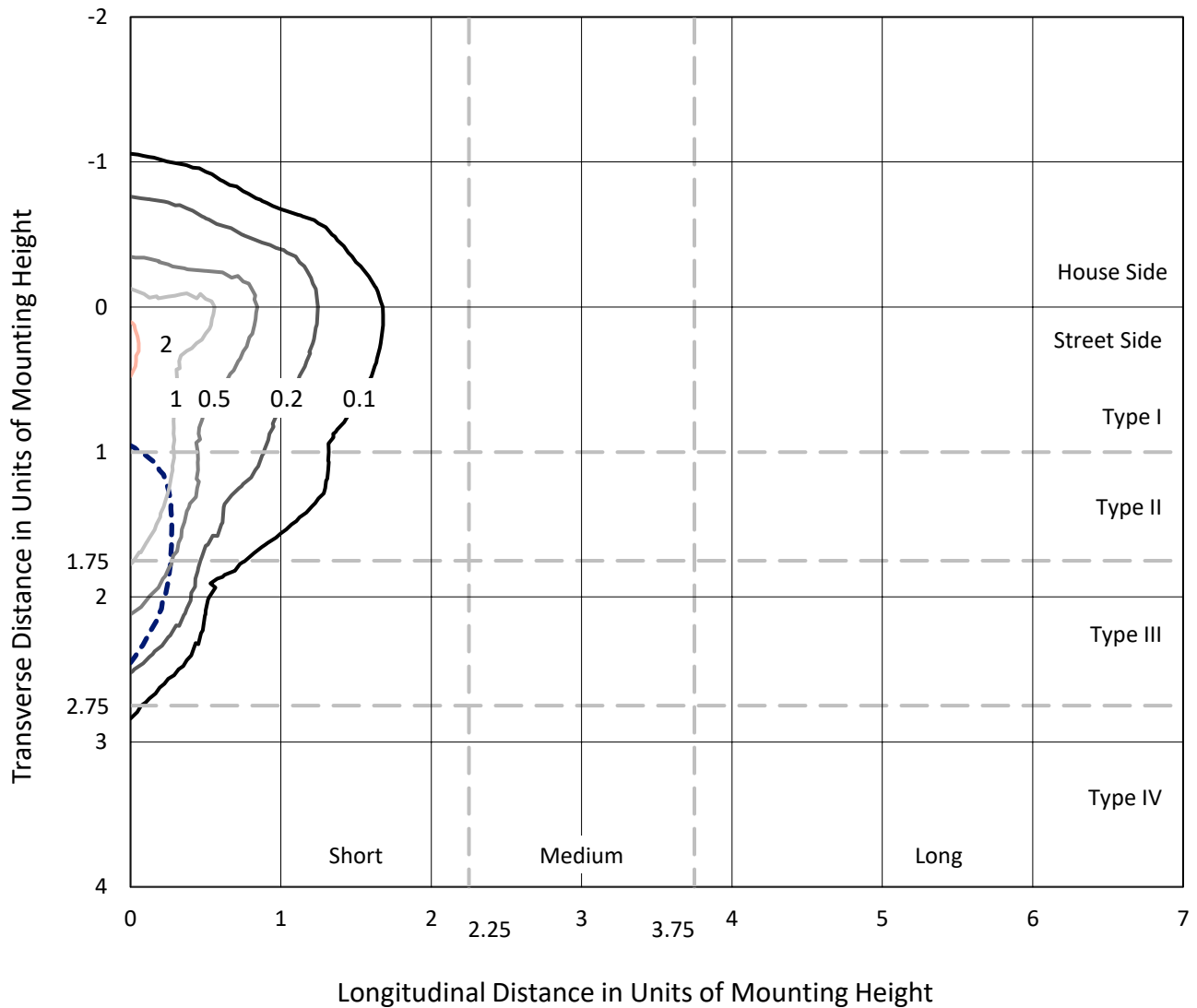
Input Watts (W): 84.7
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P948033
 CATALOG NUMBER: GALN-SB3A-950-U-SLR-HSS

Iso-Footcandle Lines of Horizontal Illumination

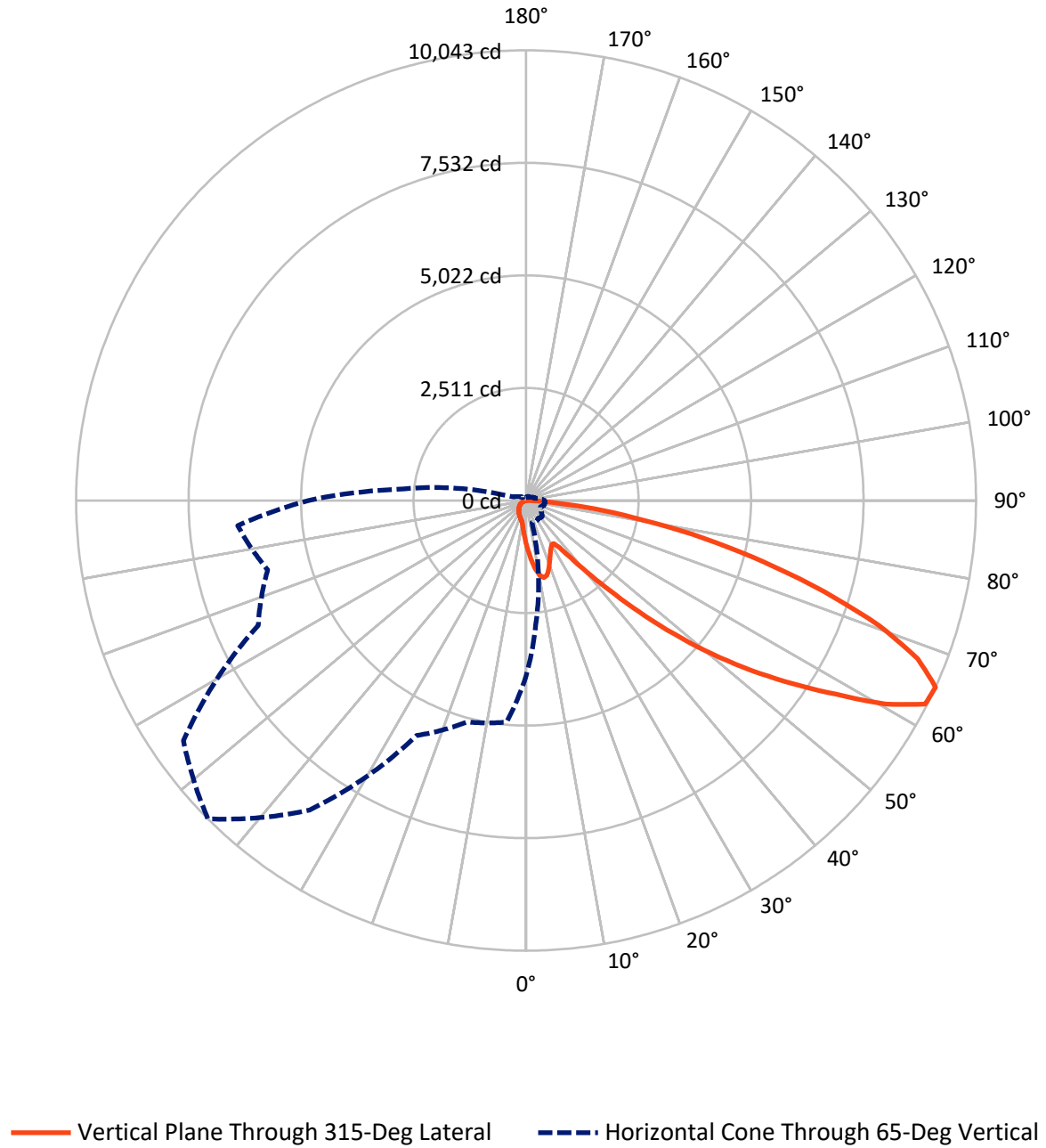
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.2 fc
 Type IV - Short - N/A

REPORT NUMBER: P948033
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Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

| | | Downward | Upward | Total |
|--------------------|-----------|----------|--------|--------|
| House Side | Lumens | 1000.7 | 0.0 | 1000.7 |
| | % Fixture | 14.0 | 0.0 | 14.0 |
| Street Side | Lumens | 6145.3 | 0.0 | 6145.3 |
| | % Fixture | 86.0 | 0.0 | 86.0 |
| Total | Lumens | 7146.0 | 0.0 | 7146.0 |
| | % Fixture | 100.0 | 0.0 | 100.0 |

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 97.4 | 1.4 |
| 10°-20° | 292.0 | 4.1 |
| 20°-30° | 430.2 | 6.0 |
| 30°-40° | 552.7 | 7.7 |
| 40°-50° | 893.9 | 12.5 |
| 50°-60° | 1567.6 | 21.9 |
| 60°-70° | 1961.4 | 27.4 |
| 70°-80° | 1146.2 | 16.0 |
| 80°-90° | 204.5 | 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° | 7146.0 | 100.0 |
| 0°-180° | 7146.0 | 100.0 |

Coefficient of Utilization



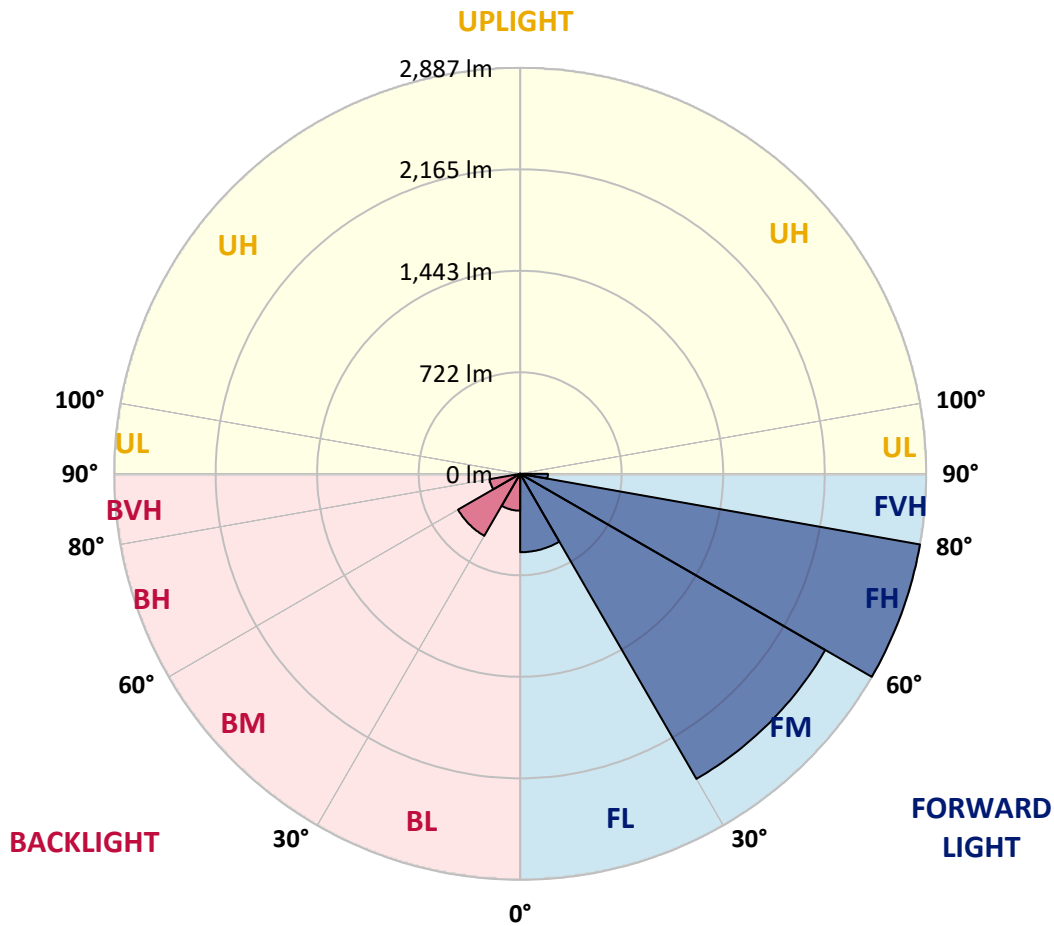
REPORT NUMBER: P948033
 CATALOG NUMBER: GALN-SB3A-950-U-SLR-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

| Zone | Lumens | % Fixture | Zone Rating/Lumen Limit | | |
|----------------|--------|-----------|-------------------------|------|---------|
| | | | B | U | G |
| FL (0°-30°) | 557.4 | 7.8 | | | |
| FM (30°-60°) | 2504.6 | 35.0 | | | |
| FH (60°-80°) | 2886.7 | 40.4 | | | G2/5000 |
| FVH (80°-90°) | 196.6 | 2.8 | | | G2/225 |
| BL (0°-30°) | 262.3 | 3.7 | B1/500 | | |
| BM (30°-60°) | 509.6 | 7.1 | B1/1000 | | |
| BH (60°-80°) | 221.0 | 3.1 | B1/500 | | G1/500 |
| BVH (80°-90°) | 7.9 | 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: P948033

CATALOG NUMBER: GALN-SB3A-950-U-SLR-HSS

CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 15° | 25° | 35° | 45° | 55° | 65° | 75° | 85° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 989.5 | 989.5 | 989.5 | 989.5 | 989.5 | 989.5 | 989.5 | 989.5 | 989.5 | 989.5 |
| 2.5° | 1118.0 | 1098.8 | 1087.5 | 1059.4 | 1031.3 | 1008.7 | 978.2 | 958.0 | 933.9 | 910.7 |
| 5° | 1246.0 | 1215.0 | 1177.5 | 1126.3 | 1079.6 | 1031.8 | 985.6 | 939.8 | 891.5 | 847.2 |
| 7.5° | 1354.3 | 1309.5 | 1243.5 | 1175.6 | 1116.0 | 1058.4 | 1004.3 | 943.7 | 885.1 | 815.7 |
| 10° | 1437.0 | 1379.9 | 1293.2 | 1204.1 | 1135.7 | 1077.6 | 1024.9 | 973.7 | 914.7 | 831.0 |
| 12.5° | 1487.2 | 1426.1 | 1323.3 | 1218.9 | 1140.6 | 1075.6 | 1034.8 | 1012.1 | 989.0 | 905.8 |
| 15° | 1524.1 | 1458.1 | 1344.4 | 1229.2 | 1129.3 | 1049.6 | 1019.5 | 1042.2 | 1068.8 | 1015.6 |
| 17.5° | 1562.5 | 1493.1 | 1372.0 | 1233.7 | 1098.8 | 998.8 | 986.0 | 1044.6 | 1106.2 | 1103.7 |
| 20° | 1598.9 | 1530.0 | 1396.1 | 1230.7 | 1049.6 | 937.3 | 948.6 | 1023.5 | 1094.8 | 1124.9 |
| 22.5° | 1640.8 | 1567.9 | 1419.3 | 1219.4 | 985.6 | 879.7 | 915.2 | 990.0 | 1052.5 | 1087.9 |
| 25° | 1692.0 | 1615.7 | 1451.7 | 1202.7 | 916.6 | 832.0 | 881.2 | 951.1 | 1001.8 | 1026.4 |
| 27.5° | 1747.1 | 1672.8 | 1495.1 | 1193.8 | 861.0 | 798.0 | 842.8 | 904.8 | 950.1 | 967.3 |
| 30° | 1815.5 | 1739.2 | 1546.3 | 1183.9 | 824.6 | 778.3 | 802.9 | 851.2 | 895.5 | 912.7 |
| 32.5° | 1890.4 | 1813.1 | 1595.5 | 1160.3 | 802.4 | 763.5 | 764.0 | 794.5 | 834.9 | 855.6 |
| 35° | 1983.9 | 1901.7 | 1648.2 | 1108.6 | 784.7 | 746.3 | 726.1 | 740.9 | 774.4 | 799.0 |
| 37.5° | 2117.3 | 2017.9 | 1712.7 | 1034.8 | 758.6 | 719.7 | 686.2 | 689.7 | 715.3 | 742.4 |
| 40° | 2301.4 | 2173.9 | 1788.5 | 958.0 | 721.2 | 682.3 | 642.4 | 641.0 | 659.7 | 686.2 |
| 42.5° | 2550.5 | 2380.2 | 1879.5 | 884.6 | 685.3 | 637.0 | 596.2 | 593.7 | 608.5 | 631.6 |
| 45° | 2879.4 | 2644.1 | 1991.3 | 821.6 | 657.2 | 592.7 | 552.3 | 551.4 | 563.7 | 583.8 |
| 47.5° | 3300.3 | 3010.8 | 2103.0 | 778.8 | 642.4 | 557.8 | 516.4 | 518.4 | 529.2 | 547.4 |
| 50° | 3845.2 | 3488.8 | 2137.0 | 757.1 | 642.4 | 539.1 | 484.4 | 494.3 | 503.1 | 516.9 |
| 52.5° | 4498.5 | 3947.6 | 2024.8 | 737.4 | 646.4 | 541.5 | 457.3 | 478.5 | 484.9 | 496.7 |
| 55° | 5104.0 | 4172.6 | 1740.7 | 710.4 | 647.4 | 556.8 | 434.2 | 465.7 | 477.5 | 481.9 |
| 57.5° | 5455.5 | 4095.3 | 1407.4 | 664.6 | 643.4 | 567.1 | 419.4 | 449.9 | 472.6 | 475.5 |
| 60° | 5388.5 | 3824.1 | 1036.3 | 629.6 | 614.4 | 563.2 | 415.0 | 425.8 | 461.8 | 466.2 |
| 62.5° | 4872.6 | 3369.2 | 719.2 | 602.6 | 550.4 | 545.9 | 413.5 | 387.9 | 438.1 | 449.0 |
| 65° | 3916.6 | 2652.4 | 508.0 | 518.9 | 482.4 | 508.5 | 405.6 | 348.5 | 409.6 | 424.3 |
| 67.5° | 2841.5 | 1794.9 | 366.8 | 420.4 | 437.1 | 448.0 | 387.9 | 320.0 | 377.1 | 396.8 |
| 70° | 1823.4 | 969.3 | 257.5 | 277.6 | 368.2 | 380.5 | 357.4 | 294.4 | 344.1 | 366.8 |
| 72.5° | 1296.2 | 572.5 | 185.1 | 194.5 | 295.9 | 317.0 | 314.6 | 265.8 | 305.7 | 333.3 |
| 75° | 894.5 | 315.6 | 125.0 | 138.8 | 214.6 | 257.5 | 242.7 | 228.4 | 258.9 | 287.0 |
| 77.5° | 560.7 | 141.3 | 74.8 | 96.5 | 140.8 | 202.3 | 166.4 | 176.7 | 201.8 | 227.9 |
| 80° | 312.1 | 54.6 | 41.8 | 64.0 | 76.8 | 147.2 | 92.1 | 113.7 | 148.7 | 167.4 |
| 82.5° | 67.9 | 6.9 | 18.7 | 27.6 | 30.0 | 85.7 | 48.7 | 66.0 | 93.5 | 92.1 |
| 85° | 0.0 | 0.0 | 3.4 | 3.9 | 2.0 | 36.9 | 17.7 | 21.7 | 30.5 | 28.6 |
| 87.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.0 |
| 90° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

REPORT NUMBER: P948033
 CATALOG NUMBER: GALN-SB3A-950-U-SLR-HSS

CANDELA DISTRIBUTION (continued):

| 90° | | 95° | 105° | 115° | 125° | 135° | 145° | 155° | 165° | 175° | 180° |
|--------|-------|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 989.5 | 0° | 989.5 | 989.5 | 989.5 | 989.5 | 989.5 | 989.5 | 989.5 | 989.5 | 989.5 | 989.5 |
| 890.1 | 2.5° | 886.1 | 862.0 | 844.3 | 835.4 | 828.0 | 834.9 | 838.9 | 838.9 | 855.6 | 865.4 |
| 820.1 | 5° | 802.9 | 759.6 | 726.6 | 704.5 | 691.2 | 695.6 | 700.5 | 705.9 | 727.1 | 741.4 |
| 778.8 | 7.5° | 745.3 | 678.9 | 628.6 | 597.6 | 581.4 | 583.8 | 587.3 | 591.7 | 612.4 | 626.7 |
| 784.7 | 10° | 734.5 | 639.0 | 568.1 | 527.2 | 507.5 | 504.1 | 502.1 | 500.7 | 513.0 | 523.8 |
| 851.7 | 12.5° | 778.8 | 641.0 | 542.0 | 492.3 | 468.2 | 457.8 | 446.0 | 436.7 | 438.6 | 445.5 |
| 953.1 | 15° | 858.1 | 666.1 | 533.6 | 474.1 | 444.0 | 426.8 | 413.0 | 401.7 | 399.2 | 401.7 |
| 1041.7 | 17.5° | 948.6 | 700.0 | 532.7 | 458.3 | 420.9 | 403.2 | 391.9 | 381.5 | 378.1 | 378.6 |
| 1091.4 | 20° | 1008.7 | 727.1 | 529.7 | 440.6 | 398.8 | 383.0 | 373.2 | 362.8 | 359.4 | 360.4 |
| 1077.6 | 22.5° | 1014.6 | 741.4 | 525.3 | 420.9 | 376.6 | 363.3 | 353.5 | 344.1 | 343.6 | 343.6 |
| 1025.9 | 25° | 982.6 | 741.4 | 515.9 | 403.2 | 355.4 | 343.6 | 334.8 | 323.4 | 325.4 | 326.4 |
| 967.3 | 27.5° | 932.9 | 723.7 | 498.2 | 388.9 | 337.2 | 324.9 | 316.0 | 305.7 | 308.2 | 309.6 |
| 912.7 | 30° | 883.7 | 701.0 | 477.0 | 372.7 | 320.0 | 305.7 | 299.3 | 290.4 | 291.4 | 293.4 |
| 858.5 | 32.5° | 837.9 | 676.9 | 451.9 | 359.4 | 302.8 | 288.5 | 283.6 | 273.7 | 275.2 | 277.2 |
| 805.4 | 35° | 792.6 | 650.3 | 422.4 | 343.6 | 287.0 | 272.7 | 268.8 | 257.5 | 258.4 | 261.4 |
| 752.2 | 37.5° | 743.8 | 622.2 | 398.3 | 327.9 | 271.7 | 257.0 | 253.0 | 241.2 | 242.2 | 245.7 |
| 697.1 | 40° | 692.6 | 594.7 | 374.6 | 311.1 | 255.5 | 240.7 | 237.3 | 224.5 | 225.5 | 229.4 |
| 642.9 | 42.5° | 641.0 | 564.7 | 356.4 | 289.5 | 238.8 | 223.0 | 219.6 | 207.7 | 209.2 | 213.7 |
| 595.7 | 45° | 593.2 | 528.7 | 344.6 | 265.3 | 223.0 | 205.3 | 201.8 | 191.0 | 194.0 | 198.9 |
| 555.8 | 47.5° | 552.3 | 491.8 | 339.7 | 245.2 | 206.3 | 187.1 | 184.1 | 175.3 | 180.2 | 185.6 |
| 521.8 | 50° | 517.4 | 456.3 | 333.3 | 224.5 | 190.5 | 171.3 | 168.4 | 162.5 | 168.9 | 174.3 |
| 498.7 | 52.5° | 492.3 | 416.0 | 319.5 | 205.8 | 176.7 | 158.0 | 157.0 | 154.1 | 160.0 | 164.9 |
| 481.5 | 55° | 470.6 | 374.1 | 297.3 | 189.5 | 164.4 | 146.7 | 147.7 | 146.2 | 151.1 | 155.1 |
| 471.1 | 57.5° | 450.9 | 337.7 | 269.3 | 176.7 | 151.1 | 136.9 | 139.8 | 137.8 | 140.3 | 142.8 |
| 460.3 | 60° | 427.3 | 300.8 | 235.8 | 162.5 | 135.4 | 127.0 | 130.5 | 125.0 | 124.5 | 125.5 |
| 440.6 | 62.5° | 392.4 | 251.1 | 200.9 | 144.7 | 121.6 | 116.2 | 117.7 | 107.3 | 99.4 | 99.4 |
| 411.6 | 65° | 343.6 | 201.8 | 168.4 | 125.0 | 105.8 | 101.4 | 100.4 | 85.7 | 74.8 | 73.8 |
| 380.0 | 67.5° | 287.0 | 165.9 | 139.8 | 105.3 | 88.1 | 85.2 | 86.1 | 75.3 | 64.5 | 63.5 |
| 348.5 | 70° | 233.8 | 137.3 | 112.7 | 84.2 | 67.9 | 70.9 | 75.3 | 64.5 | 54.2 | 52.7 |
| 311.6 | 72.5° | 190.0 | 109.3 | 88.1 | 64.5 | 50.2 | 58.6 | 64.0 | 52.7 | 42.8 | 41.8 |
| 265.8 | 75° | 146.7 | 80.2 | 63.0 | 43.8 | 36.4 | 45.3 | 50.2 | 38.4 | 30.5 | 29.0 |
| 205.8 | 77.5° | 98.0 | 49.7 | 35.4 | 27.6 | 21.7 | 31.0 | 33.5 | 20.2 | 17.7 | 17.2 |
| 149.7 | 80° | 59.6 | 23.1 | 15.3 | 13.3 | 7.4 | 11.3 | 13.3 | 8.4 | 9.4 | 9.8 |
| 79.8 | 82.5° | 30.0 | 6.4 | 2.5 | 0.5 | 0.0 | 0.0 | 3.9 | 2.0 | 3.9 | 4.9 |
| 21.7 | 85° | 2.5 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.0 | 2.5 |
| 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 |

REPORT NUMBER: P948033
 CATALOG NUMBER: GALN-SB3A-950-U-SLR-HSS

CANDELA DISTRIBUTION (continued):

| 185° | | 195° | 205° | 215° | 225° | 235° | 245° | 255° | 265° | 270° | 275° |
|-------|-------|-------|-------|-------|-------|--------|--------|--------|--------|--------|--------|
| 989.5 | 0° | 989.5 | 989.5 | 989.5 | 989.5 | 989.5 | 989.5 | 989.5 | 989.5 | 989.5 | 989.5 |
| 869.4 | 2.5° | 896.9 | 917.6 | 937.3 | 968.8 | 1001.3 | 1033.3 | 1065.8 | 1097.3 | 1108.6 | 1117.0 |
| 750.7 | 5° | 793.6 | 832.5 | 877.7 | 940.3 | 1007.2 | 1076.1 | 1146.0 | 1210.0 | 1239.1 | 1258.8 |
| 639.0 | 7.5° | 686.7 | 737.4 | 802.4 | 896.5 | 1001.3 | 1111.1 | 1220.9 | 1321.8 | 1368.6 | 1406.5 |
| 533.6 | 10° | 580.9 | 636.0 | 718.2 | 825.6 | 967.3 | 1124.9 | 1276.5 | 1415.3 | 1475.9 | 1523.6 |
| 457.8 | 12.5° | 487.9 | 539.5 | 625.7 | 744.3 | 914.2 | 1114.0 | 1308.5 | 1475.4 | 1546.8 | 1600.4 |
| 403.7 | 15° | 422.4 | 458.8 | 535.1 | 663.1 | 851.2 | 1079.1 | 1310.5 | 1503.9 | 1582.2 | 1638.3 |
| 381.0 | 17.5° | 386.0 | 398.3 | 448.0 | 580.4 | 781.3 | 1033.3 | 1292.2 | 1513.8 | 1597.5 | 1649.6 |
| 360.8 | 20° | 366.3 | 368.2 | 382.0 | 473.1 | 691.7 | 990.5 | 1275.0 | 1523.6 | 1611.7 | 1655.6 |
| 346.6 | 22.5° | 350.5 | 350.5 | 354.0 | 386.9 | 576.0 | 939.3 | 1269.6 | 1540.9 | 1631.4 | 1658.5 |
| 330.3 | 25° | 336.2 | 336.2 | 337.2 | 346.1 | 456.3 | 861.0 | 1266.2 | 1567.4 | 1658.5 | 1665.9 |
| 314.1 | 27.5° | 321.5 | 322.0 | 322.0 | 326.9 | 367.7 | 754.7 | 1251.4 | 1601.9 | 1691.0 | 1675.7 |
| 298.3 | 30° | 306.7 | 307.7 | 307.7 | 311.1 | 325.4 | 630.1 | 1222.3 | 1643.2 | 1733.3 | 1688.5 |
| 282.6 | 32.5° | 291.9 | 292.9 | 292.9 | 295.9 | 306.2 | 503.1 | 1185.9 | 1681.2 | 1776.2 | 1694.0 |
| 267.3 | 35° | 276.7 | 278.1 | 277.2 | 281.1 | 291.9 | 400.2 | 1139.6 | 1719.1 | 1822.4 | 1711.2 |
| 252.5 | 37.5° | 261.4 | 262.4 | 261.9 | 265.8 | 278.1 | 345.6 | 1086.0 | 1747.6 | 1885.5 | 1749.6 |
| 236.8 | 40° | 246.1 | 245.7 | 245.7 | 250.1 | 263.4 | 329.8 | 1018.5 | 1792.9 | 1976.0 | 1817.0 |
| 221.0 | 42.5° | 230.4 | 230.4 | 229.4 | 234.3 | 250.6 | 318.0 | 954.0 | 1874.1 | 2108.0 | 1924.3 |
| 206.3 | 45° | 216.1 | 215.6 | 213.7 | 218.1 | 238.3 | 297.3 | 931.4 | 2025.8 | 2302.9 | 2098.1 |
| 191.5 | 47.5° | 202.3 | 201.8 | 196.9 | 200.9 | 223.5 | 278.6 | 1016.1 | 2273.9 | 2573.2 | 2353.6 |
| 179.7 | 50° | 190.0 | 190.5 | 181.2 | 184.6 | 208.7 | 264.4 | 1199.7 | 2595.8 | 2932.0 | 2697.7 |
| 169.8 | 52.5° | 178.7 | 178.7 | 166.4 | 168.4 | 190.5 | 251.6 | 1374.5 | 2944.8 | 3405.6 | 3177.7 |
| 159.5 | 55° | 167.4 | 166.4 | 152.6 | 153.6 | 172.3 | 233.3 | 1400.6 | 3285.5 | 4051.5 | 3899.9 |
| 148.2 | 57.5° | 154.6 | 152.6 | 139.8 | 139.8 | 155.6 | 220.1 | 1214.0 | 3547.4 | 4852.9 | 4961.2 |
| 127.0 | 60° | 138.8 | 137.3 | 129.0 | 126.5 | 142.3 | 231.9 | 856.6 | 3577.9 | 5369.8 | 6372.6 |
| 100.9 | 62.5° | 118.6 | 120.6 | 116.2 | 112.7 | 129.5 | 240.7 | 507.5 | 3332.3 | 5244.8 | 6821.6 |
| 78.3 | 65° | 93.5 | 101.4 | 100.4 | 98.0 | 142.3 | 202.8 | 299.8 | 2860.7 | 4861.3 | 6459.3 |
| 68.4 | 67.5° | 79.8 | 85.2 | 83.7 | 83.7 | 149.2 | 154.1 | 188.5 | 2235.0 | 4333.6 | 6029.5 |
| 57.1 | 70° | 67.9 | 73.4 | 67.9 | 67.9 | 112.7 | 93.5 | 130.5 | 1560.5 | 3764.0 | 5554.0 |
| 45.8 | 72.5° | 56.1 | 61.5 | 55.6 | 51.7 | 90.1 | 69.9 | 95.5 | 975.2 | 3223.5 | 5058.7 |
| 32.5 | 75° | 42.8 | 49.2 | 44.8 | 39.9 | 59.6 | 52.2 | 72.4 | 566.6 | 2670.6 | 4328.2 |
| 19.7 | 77.5° | 27.1 | 35.4 | 33.5 | 28.1 | 43.8 | 37.9 | 52.2 | 337.2 | 2060.7 | 3382.0 |
| 11.8 | 80° | 16.7 | 18.2 | 18.7 | 17.7 | 25.1 | 25.6 | 35.4 | 192.0 | 1410.4 | 2357.1 |
| 7.4 | 82.5° | 10.8 | 10.8 | 8.4 | 9.4 | 12.3 | 14.8 | 20.2 | 72.4 | 829.0 | 1435.0 |
| 4.4 | 85° | 7.9 | 6.9 | 4.4 | 4.4 | 5.9 | 7.4 | 7.9 | 22.2 | 336.2 | 566.6 |
| 2.0 | 87.5° | 3.9 | 3.4 | 1.5 | 2.0 | 3.0 | 2.5 | 2.0 | 1.0 | 84.7 | 181.2 |
| 0.0 | 90° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

REPORT NUMBER: P948033
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