

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: P939627

Luminaire Tested: **GALN-SB2B-760-U-T3**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P939627
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-5)
Test Lab: INNOVATION CENTER
Issue Date: 1/21/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SB2B-760-U-T3
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(2) 70 CRI, 5700K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE III OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 11922 lumens
Efficiency: N/A
Efficacy: 161.3 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')
IES Classification: Type III - Short
BUG Rating: B2 - U0 - G2

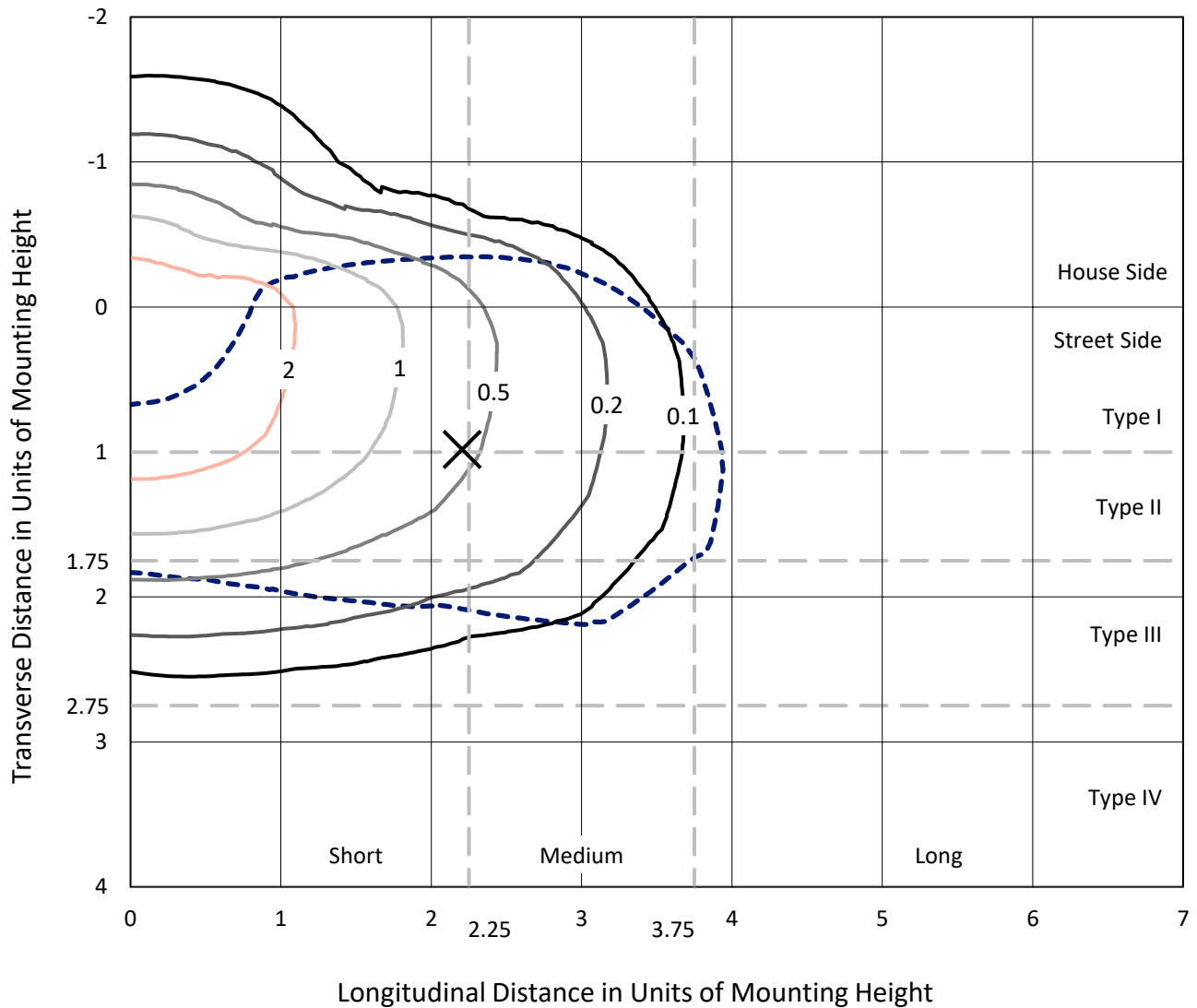
Input Watts (W): 73.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

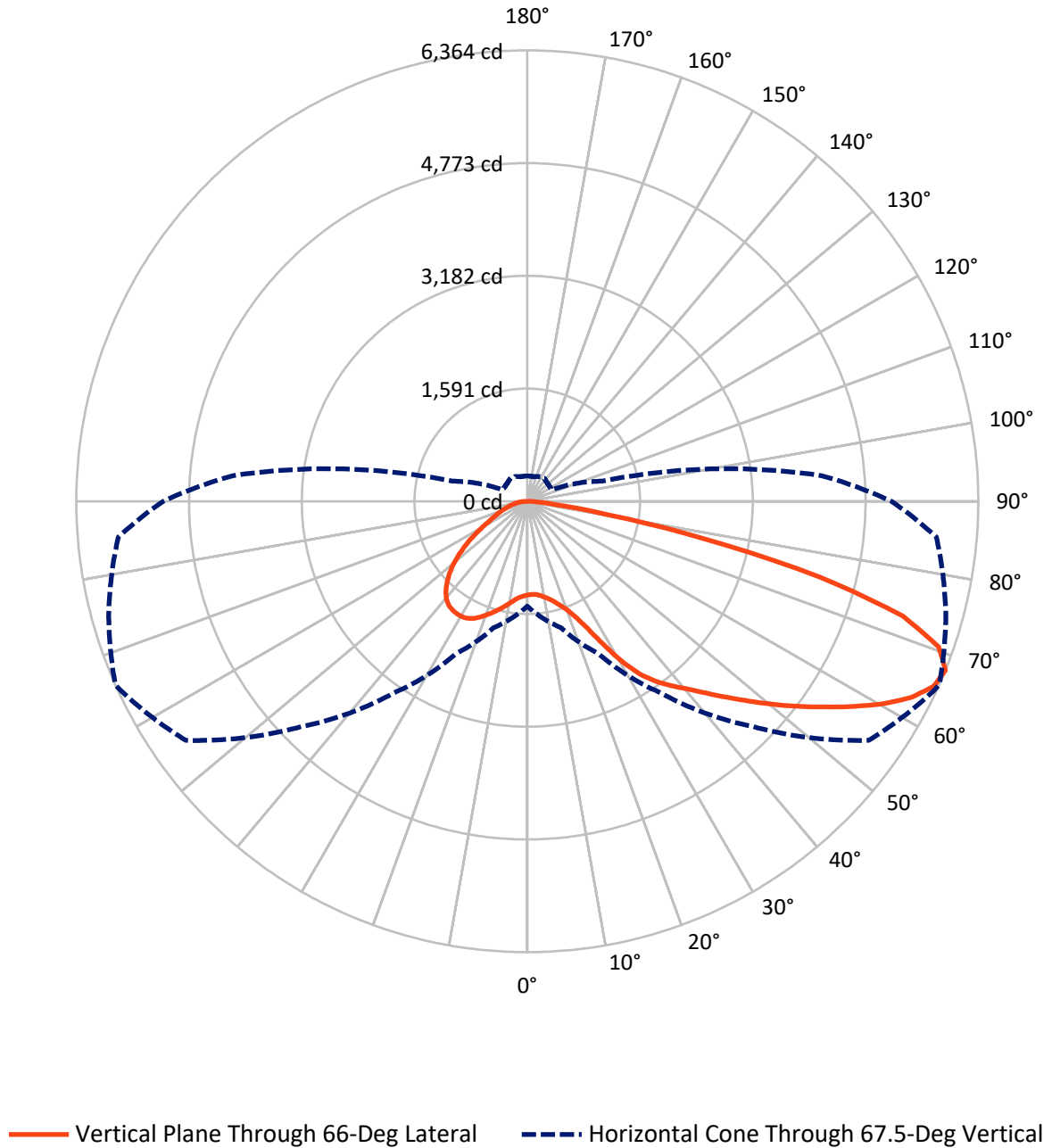
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3 fc
 Type III - Short - N/A

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Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

| | | Downward | Upward | Total |
|--------------------|-----------|----------|--------|---------|
| House Side | Lumens | 2964.4 | 0.0 | 2964.4 |
| | % Fixture | 24.9 | 0.0 | 24.9 |
| Street Side | Lumens | 8957.6 | 0.0 | 8957.6 |
| | % Fixture | 75.1 | 0.0 | 75.1 |
| Total | Lumens | 11922.0 | 0.0 | 11922.0 |
| | % Fixture | 100.0 | 0.0 | 100.0 |

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|---------|-----------|
| 0°-10° | 131.1 | 1.1 |
| 10°-20° | 433.1 | 3.6 |
| 20°-30° | 834.9 | 7.0 |
| 30°-40° | 1463.8 | 12.3 |
| 40°-50° | 2176.2 | 18.3 |
| 50°-60° | 2758.6 | 23.1 |
| 60°-70° | 2699.2 | 22.6 |
| 70°-80° | 1287.5 | 10.8 |
| 80°-90° | 137.6 | 1.2 |
| 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° | 11922.0 | 100.0 |
| 0°-180° | 11922.0 | 100.0 |

Coefficient of Utilization



REPORT NUMBER: P939627

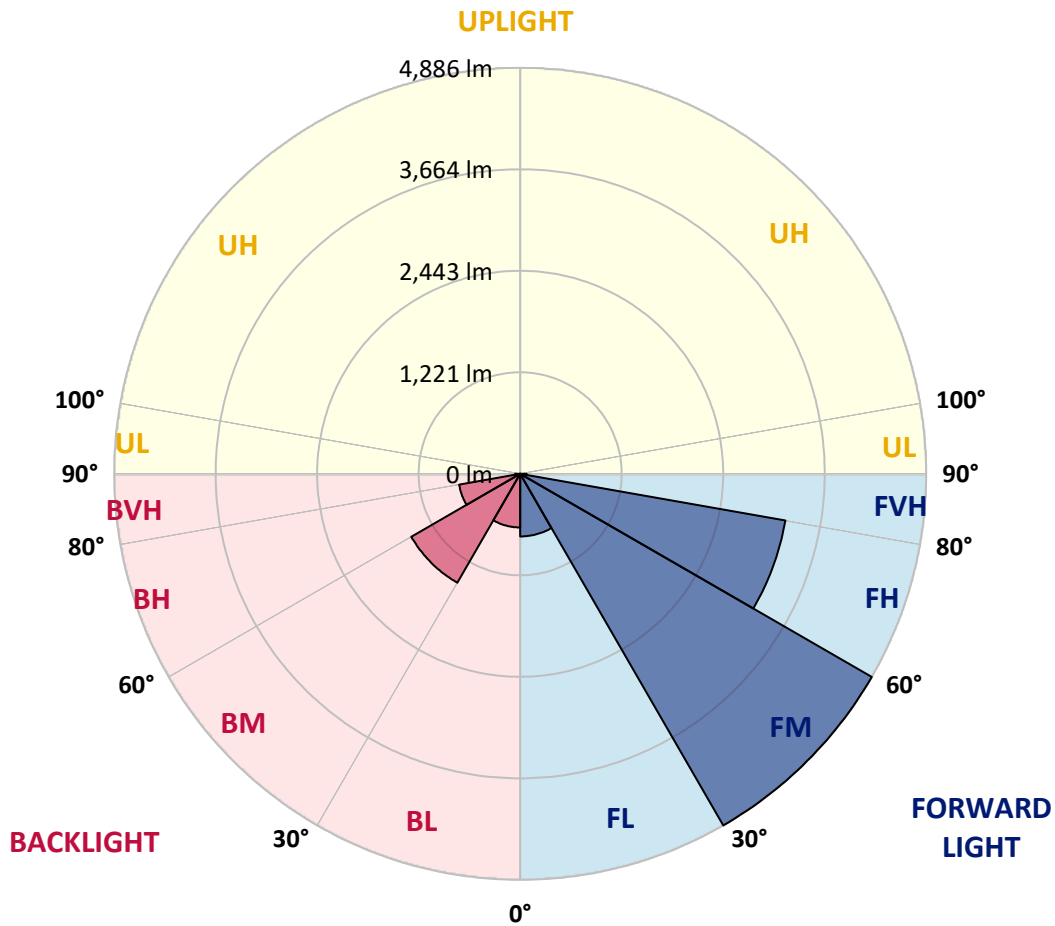
CATALOG NUMBER: GALN-SB2B-760-U-T3

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

| Zone | Lumens | % Fixture | Zone Rating/Lumen Limit | | |
|----------------|--------|-----------|-------------------------|------|---------|
| | | | B | U | G |
| FL (0°-30°) | 753.4 | 6.3 | | | |
| FM (30°-60°) | 4885.5 | 41.0 | | | |
| FH (60°-80°) | 3240.7 | 27.2 | | | G2/5000 |
| FVH (80°-90°) | 78.0 | 0.7 | | | G1/100 |
| BL (0°-30°) | 645.7 | 5.4 | B2/1000 | | |
| BM (30°-60°) | 1513.0 | 12.7 | B2/2500 | | |
| BH (60°-80°) | 746.0 | 6.3 | B2/1000 | | G2/1000 |
| BVH (80°-90°) | 59.6 | 0.5 | | | G1/100 |
| UL (90°-100°) | 0.0 | 0.0 | | U0/0 | |
| UH (100°-180°) | 0.0 | 0.0 | | U0/0 | |

BUG Rating: B2-U0-G2

Type III Short



REPORT NUMBER: P939627
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CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 15° | 25° | 35° | 45° | 55° | 65° | 66° | 75° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 1322.3 | 1322.3 | 1322.3 | 1322.3 | 1322.3 | 1322.3 | 1322.3 | 1322.3 | 1322.3 | 1322.3 |
| 2.5° | 1308.5 | 1316.0 | 1314.2 | 1311.0 | 1310.4 | 1311.7 | 1313.5 | 1315.4 | 1314.8 | 1317.9 |
| 5° | 1304.8 | 1312.3 | 1311.7 | 1311.7 | 1314.2 | 1319.2 | 1322.3 | 1325.4 | 1322.3 | 1326.1 |
| 7.5° | 1307.3 | 1312.9 | 1315.4 | 1317.9 | 1324.2 | 1333.6 | 1341.1 | 1348.0 | 1344.2 | 1348.6 |
| 10° | 1339.2 | 1343.6 | 1346.1 | 1346.1 | 1350.5 | 1361.1 | 1368.7 | 1381.2 | 1378.1 | 1384.9 |
| 12.5° | 1397.5 | 1401.9 | 1401.9 | 1399.4 | 1402.5 | 1409.4 | 1411.9 | 1425.7 | 1420.0 | 1431.3 |
| 15° | 1468.9 | 1477.7 | 1470.8 | 1466.4 | 1467.6 | 1474.5 | 1473.9 | 1484.5 | 1478.9 | 1488.3 |
| 17.5° | 1547.8 | 1559.1 | 1547.8 | 1547.2 | 1544.7 | 1552.2 | 1552.8 | 1562.2 | 1552.2 | 1559.1 |
| 20° | 1641.1 | 1656.8 | 1647.4 | 1650.5 | 1644.9 | 1648.0 | 1651.2 | 1664.9 | 1649.3 | 1654.3 |
| 22.5° | 1772.7 | 1791.5 | 1781.5 | 1793.4 | 1789.6 | 1787.1 | 1786.5 | 1810.9 | 1786.5 | 1788.3 |
| 25° | 1964.4 | 1986.9 | 1969.4 | 1985.7 | 1985.7 | 1993.8 | 2003.2 | 2034.5 | 1993.8 | 1981.9 |
| 27.5° | 2247.5 | 2270.0 | 2235.6 | 2245.6 | 2242.5 | 2262.5 | 2252.5 | 2330.2 | 2286.3 | 2266.9 |
| 30° | 2588.2 | 2628.3 | 2563.2 | 2560.7 | 2557.5 | 2589.5 | 2603.9 | 2655.3 | 2610.8 | 2591.4 |
| 32.5° | 2956.6 | 2998.5 | 2920.9 | 2898.3 | 2886.4 | 2905.8 | 2893.9 | 2935.3 | 2904.6 | 2874.5 |
| 35° | 3346.2 | 3387.5 | 3313.6 | 3269.8 | 3222.1 | 3181.4 | 3138.8 | 3149.5 | 3120.7 | 3074.9 |
| 37.5° | 3714.5 | 3790.3 | 3712.0 | 3665.0 | 3577.3 | 3497.8 | 3378.7 | 3329.3 | 3302.3 | 3260.4 |
| 40° | 4089.7 | 4132.9 | 4073.4 | 4033.3 | 3938.1 | 3813.5 | 3623.0 | 3518.4 | 3482.1 | 3441.4 |
| 42.5° | 4365.9 | 4407.3 | 4375.3 | 4347.8 | 4273.2 | 4128.5 | 3882.4 | 3751.4 | 3698.8 | 3653.1 |
| 45° | 4585.2 | 4615.9 | 4595.8 | 4605.8 | 4573.9 | 4433.6 | 4151.1 | 4001.4 | 3946.9 | 3891.1 |
| 47.5° | 4673.5 | 4706.1 | 4738.0 | 4797.5 | 4852.0 | 4748.7 | 4439.8 | 4272.0 | 4214.3 | 4157.3 |
| 50° | 4663.5 | 4696.7 | 4789.4 | 4915.9 | 5085.0 | 5050.6 | 4744.3 | 4560.1 | 4506.9 | 4441.7 |
| 52.5° | 4583.3 | 4620.9 | 4739.9 | 4950.4 | 5219.7 | 5276.7 | 5054.3 | 4857.6 | 4807.5 | 4729.9 |
| 55° | 4372.8 | 4395.4 | 4573.9 | 4872.1 | 5251.6 | 5434.6 | 5358.1 | 5174.6 | 5124.5 | 5016.1 |
| 57.5° | 3982.6 | 4015.2 | 4275.1 | 4661.0 | 5171.5 | 5541.7 | 5625.0 | 5507.8 | 5459.6 | 5303.6 |
| 60° | 3473.3 | 3525.3 | 3822.9 | 4306.4 | 4967.3 | 5541.0 | 5867.4 | 5835.4 | 5795.4 | 5586.8 |
| 62.5° | 2897.0 | 2957.2 | 3243.4 | 3805.3 | 4610.2 | 5383.8 | 6019.0 | 6109.8 | 6089.1 | 5848.0 |
| 65° | 2224.9 | 2266.3 | 2551.3 | 3157.0 | 4054.6 | 5046.2 | 6036.5 | 6297.1 | 6300.8 | 6046.5 |
| 67.5° | 1481.4 | 1600.4 | 1847.8 | 2369.0 | 3310.5 | 4494.3 | 5882.4 | 6327.8 | 6364.1 | 6114.8 |
| 70° | 722.9 | 879.5 | 1121.9 | 1539.7 | 2369.0 | 3648.1 | 5479.7 | 6076.0 | 6156.8 | 5915.6 |
| 72.5° | 300.0 | 350.8 | 482.9 | 759.8 | 1359.9 | 2461.7 | 4670.4 | 5393.2 | 5542.9 | 5241.6 |
| 75° | 202.3 | 219.2 | 276.2 | 389.6 | 619.5 | 1213.9 | 3368.1 | 4021.4 | 4262.6 | 3958.8 |
| 77.5° | 156.0 | 166.6 | 201.1 | 272.5 | 368.3 | 459.1 | 1802.7 | 2423.5 | 2548.2 | 2359.0 |
| 80° | 122.8 | 130.9 | 150.3 | 198.6 | 261.2 | 245.5 | 614.5 | 1098.1 | 1170.1 | 981.6 |
| 82.5° | 106.5 | 109.6 | 107.7 | 134.7 | 173.5 | 143.4 | 201.7 | 405.3 | 447.2 | 324.5 |
| 85° | 77.0 | 85.8 | 89.6 | 83.3 | 92.1 | 72.7 | 82.7 | 143.4 | 157.9 | 140.9 |
| 87.5° | 31.3 | 46.4 | 57.0 | 53.9 | 33.8 | 20.7 | 25.7 | 42.0 | 48.2 | 52.6 |
| 90° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

REPORT NUMBER: P939627
 CATALOG NUMBER: GALN-SB2B-760-U-T3

CANDELA DISTRIBUTION (continued):

| 85° | | 90° | 95° | 105° | 115° | 125° | 135° | 145° | 155° | 165° | 175° |
|--------|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 1322.3 | 0° | 1322.3 | 1322.3 | 1322.3 | 1322.3 | 1322.3 | 1322.3 | 1322.3 | 1322.3 | 1322.3 | 1322.3 |
| 1322.9 | 2.5° | 1323.6 | 1327.9 | 1331.1 | 1334.8 | 1337.3 | 1341.1 | 1348.6 | 1353.0 | 1353.6 | 1356.8 |
| 1333.0 | 5° | 1335.5 | 1341.7 | 1348.6 | 1358.6 | 1369.9 | 1379.3 | 1393.7 | 1403.7 | 1407.5 | 1410.6 |
| 1357.4 | 7.5° | 1361.1 | 1369.9 | 1382.4 | 1400.0 | 1416.3 | 1428.8 | 1446.3 | 1458.2 | 1470.1 | 1474.5 |
| 1396.2 | 10° | 1399.4 | 1411.9 | 1430.0 | 1453.8 | 1471.4 | 1487.7 | 1505.8 | 1515.9 | 1527.8 | 1532.8 |
| 1442.6 | 12.5° | 1447.0 | 1460.1 | 1483.9 | 1517.1 | 1533.4 | 1544.7 | 1550.9 | 1548.4 | 1550.9 | 1555.3 |
| 1498.3 | 15° | 1501.5 | 1515.9 | 1542.8 | 1578.5 | 1589.8 | 1579.8 | 1566.0 | 1553.4 | 1551.6 | 1552.8 |
| 1566.0 | 17.5° | 1566.0 | 1576.6 | 1607.9 | 1638.0 | 1629.9 | 1588.5 | 1558.5 | 1538.4 | 1528.4 | 1525.3 |
| 1652.4 | 20° | 1656.2 | 1656.2 | 1681.9 | 1700.6 | 1646.2 | 1576.0 | 1529.0 | 1496.4 | 1475.8 | 1467.0 |
| 1770.2 | 22.5° | 1765.8 | 1755.8 | 1772.1 | 1758.9 | 1643.0 | 1540.9 | 1475.8 | 1419.4 | 1388.1 | 1375.6 |
| 1934.9 | 25° | 1904.8 | 1892.9 | 1888.6 | 1807.1 | 1620.5 | 1485.2 | 1379.3 | 1311.0 | 1283.5 | 1276.6 |
| 2172.3 | 27.5° | 2114.7 | 2084.6 | 2027.6 | 1833.4 | 1579.1 | 1397.5 | 1266.6 | 1203.3 | 1187.6 | 1188.3 |
| 2477.4 | 30° | 2394.1 | 2333.9 | 2194.2 | 1837.8 | 1511.5 | 1273.4 | 1151.3 | 1106.2 | 1098.7 | 1101.8 |
| 2733.6 | 32.5° | 2652.8 | 2595.8 | 2364.6 | 1817.8 | 1407.5 | 1151.9 | 1047.9 | 1017.9 | 1006.6 | 1010.4 |
| 2929.0 | 35° | 2855.7 | 2840.0 | 2522.5 | 1789.6 | 1279.7 | 1037.9 | 955.2 | 929.6 | 907.6 | 902.6 |
| 3113.2 | 37.5° | 3047.4 | 3041.1 | 2640.9 | 1750.1 | 1153.2 | 957.1 | 880.7 | 846.9 | 814.9 | 797.4 |
| 3316.7 | 40° | 3257.8 | 3251.6 | 2718.5 | 1689.4 | 1041.1 | 887.0 | 813.7 | 769.2 | 729.7 | 697.8 |
| 3547.2 | 42.5° | 3494.6 | 3457.7 | 2755.5 | 1602.3 | 945.8 | 827.5 | 759.2 | 699.1 | 647.1 | 617.6 |
| 3807.8 | 45° | 3753.3 | 3670.0 | 2754.9 | 1491.4 | 865.7 | 773.0 | 700.9 | 615.7 | 567.5 | 539.9 |
| 4075.3 | 47.5° | 4027.7 | 3873.0 | 2721.0 | 1368.7 | 788.0 | 712.8 | 610.7 | 545.6 | 513.6 | 496.7 |
| 4365.9 | 50° | 4310.8 | 4062.8 | 2663.4 | 1227.7 | 708.4 | 644.6 | 554.4 | 509.9 | 485.5 | 469.8 |
| 4654.1 | 52.5° | 4577.0 | 4235.0 | 2593.9 | 1068.0 | 627.6 | 578.2 | 529.3 | 494.8 | 469.2 | 451.6 |
| 4933.4 | 55° | 4824.4 | 4383.5 | 2495.5 | 904.5 | 561.9 | 533.7 | 517.4 | 488.6 | 459.1 | 438.5 |
| 5217.2 | 57.5° | 5044.3 | 4479.9 | 2325.8 | 751.0 | 514.9 | 503.0 | 504.9 | 477.9 | 444.1 | 426.6 |
| 5496.6 | 60° | 5227.2 | 4550.7 | 2074.6 | 608.9 | 476.7 | 472.9 | 485.5 | 457.9 | 418.4 | 398.4 |
| 5732.7 | 62.5° | 5336.8 | 4549.5 | 1766.4 | 498.6 | 444.1 | 445.4 | 459.8 | 432.8 | 392.7 | 374.0 |
| 5856.1 | 65° | 5327.4 | 4438.0 | 1428.2 | 426.6 | 412.8 | 414.0 | 432.8 | 405.3 | 371.4 | 360.2 |
| 5794.1 | 67.5° | 5138.9 | 4166.1 | 1095.6 | 379.6 | 378.3 | 384.0 | 405.9 | 386.5 | 358.3 | 357.0 |
| 5424.5 | 70° | 4628.4 | 3601.7 | 789.3 | 342.0 | 342.6 | 350.8 | 379.6 | 374.6 | 351.4 | 353.9 |
| 4560.7 | 72.5° | 3711.4 | 2746.1 | 529.9 | 302.5 | 303.2 | 316.3 | 354.5 | 365.2 | 344.5 | 377.7 |
| 3235.9 | 75° | 2471.7 | 1712.5 | 340.8 | 260.6 | 261.2 | 278.1 | 332.6 | 347.0 | 325.7 | 376.5 |
| 1683.7 | 77.5° | 1187.6 | 769.8 | 246.8 | 219.2 | 219.2 | 234.9 | 287.5 | 310.7 | 277.5 | 292.5 |
| 541.2 | 80° | 410.3 | 289.4 | 194.2 | 176.6 | 172.9 | 183.5 | 242.4 | 269.3 | 239.3 | 220.5 |
| 176.6 | 82.5° | 161.6 | 150.3 | 156.0 | 137.2 | 124.7 | 131.5 | 188.5 | 222.4 | 176.0 | 159.1 |
| 99.6 | 85° | 92.7 | 97.7 | 110.2 | 90.8 | 72.0 | 80.8 | 138.4 | 159.7 | 132.8 | 117.1 |
| 32.6 | 87.5° | 25.1 | 34.5 | 50.7 | 47.0 | 32.6 | 34.5 | 65.8 | 88.3 | 76.4 | 58.9 |
| 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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| <u>180°</u> |
|-------------|
| 1322.3 |
| 1356.1 |
| 1410.0 |
| 1475.1 |
| 1535.3 |
| 1556.6 |
| 1557.2 |
| 1529.6 |
| 1465.1 |
| 1373.7 |
| 1277.8 |
| 1190.1 |
| 1112.5 |
| 1015.4 |
| 906.4 |
| 798.0 |
| 700.9 |
| 619.5 |
| 538.7 |
| 493.0 |
| 464.2 |
| 444.1 |
| 430.3 |
| 415.3 |
| 389.6 |
| 368.3 |
| 359.5 |
| 358.9 |
| 353.3 |
| 382.7 |
| 379.6 |
| 268.1 |
| 206.7 |
| 158.5 |
| 119.6 |
| 60.8 |
| 0.0 |

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