

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: STREETWORKS

Report Number: P145410

Luminaire Tested: **RDG-E04-LED-E-U-SL3**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P145410
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (P33702)
Test Lab: INNOVATION CENTER-P3
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: RDG-E04-LED-E-U-SL3
Description: RIDGEVIEW LED AREA ROADWAY LUMINAIRE
(4) LIGHTBARS WITH AccuLED OPTICS - TYPE 3 W/ SPILL LIGHT CONTROL
Light Source: (84) 4000K CCT, 70 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 11874.8 lumens
Efficiency: N/A
Efficacy: 122.2 lumens/watt
Luminous Opening: Rectangular (W 0.67' x L: 1' x H: 0')
IES Classification: Type III - Short - Semi-Cutoff
BUG Rating: B2 - U0 - G2

Input Watts (W): 97.2
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: 28.75 FT

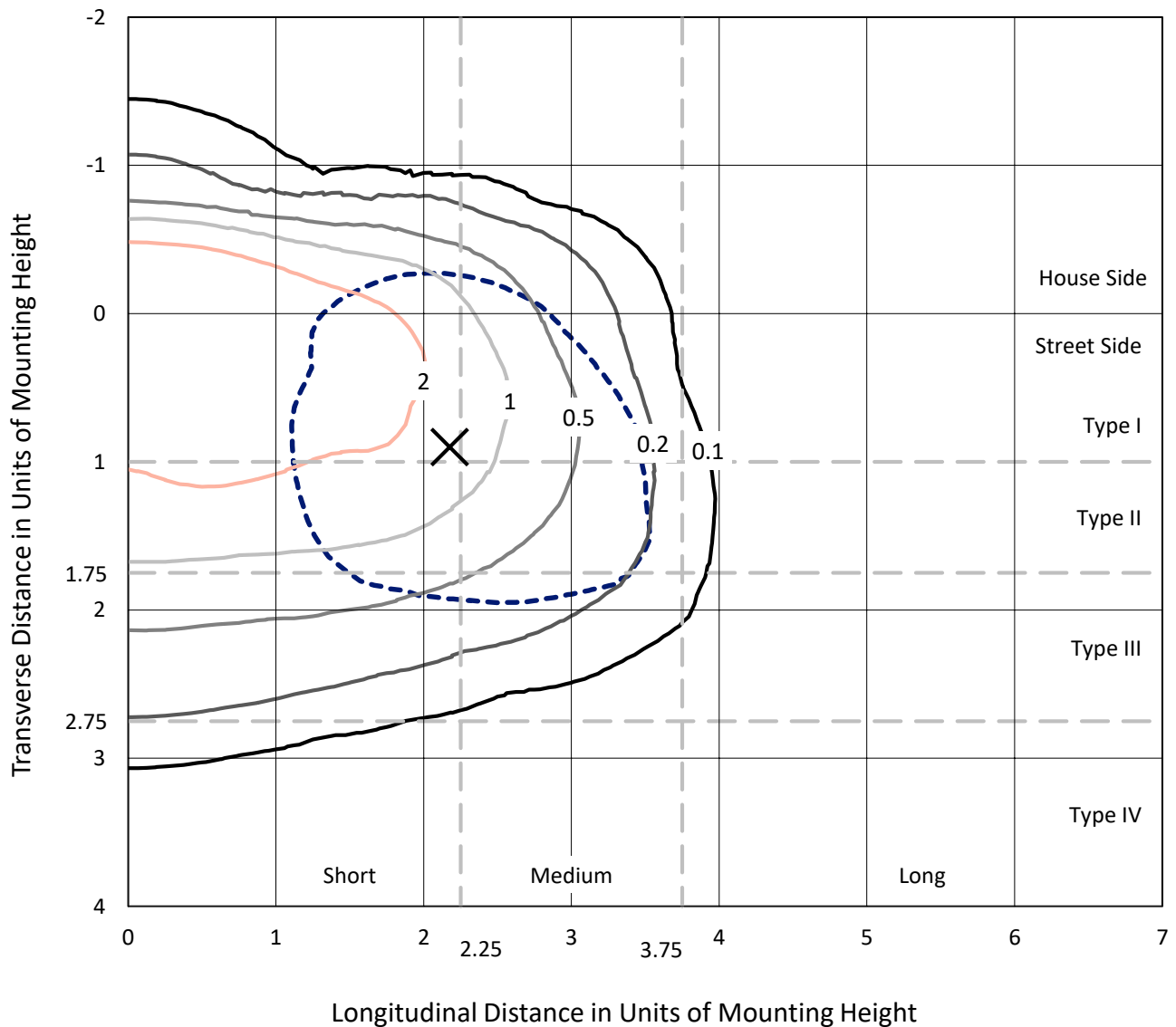


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

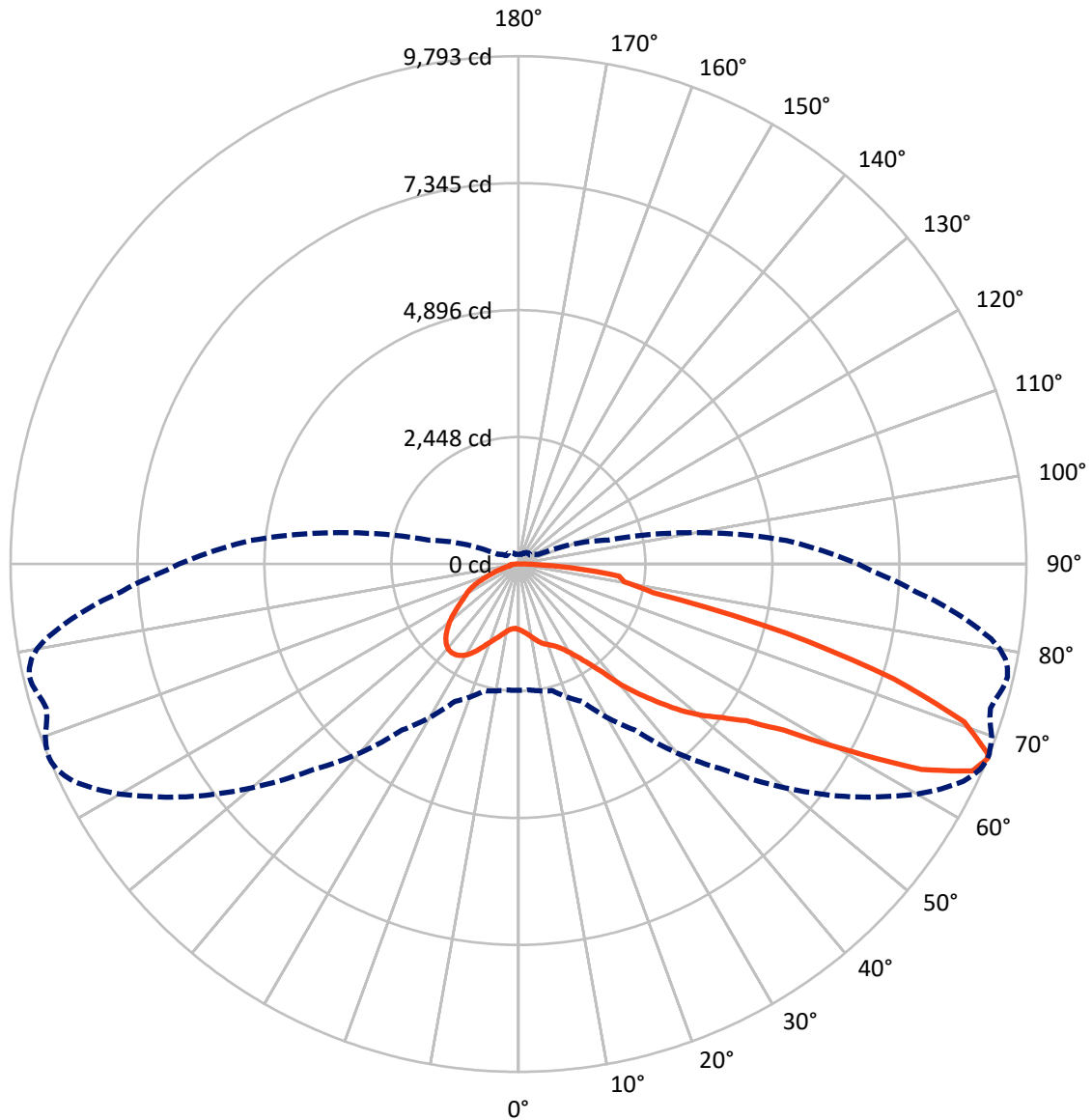


Based on 20 foot mounting height. Maximum calculated value = 4 fc
 Type III - Short - Semi-Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 67.5-Deg Lateral - - - Horizontal Cone Through 67-Deg Vertical



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FLUX DISTRIBUTION:

| | | Downward | Upward | Total |
|--------------------|-----------|----------|--------|---------|
| House Side | Lumens | 2811.9 | 0.0 | 2811.9 |
| | % Fixture | 23.7 | 0.0 | 23.7 |
| Street Side | Lumens | 9062.9 | 0.0 | 9062.9 |
| | % Fixture | 76.3 | 0.0 | 76.3 |
| Total | Lumens | 11874.8 | 0.0 | 11874.8 |
| | % Fixture | 100.0 | 0.0 | 100.0 |

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|---------|-----------|
| 0°-10° | 126.1 | 1.1 |
| 10°-20° | 431.7 | 3.6 |
| 20°-30° | 768.6 | 6.5 |
| 30°-40° | 1119.5 | 9.4 |
| 40°-50° | 1725.0 | 14.5 |
| 50°-60° | 2526.3 | 21.3 |
| 60°-70° | 3354.6 | 28.3 |
| 70°-80° | 1581.3 | 13.3 |
| 80°-90° | 241.7 | 2.0 |
| 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° | 11874.8 | 100.0 |
| 0°-180° | 11874.8 | 100.0 |

Coefficient of Utilization



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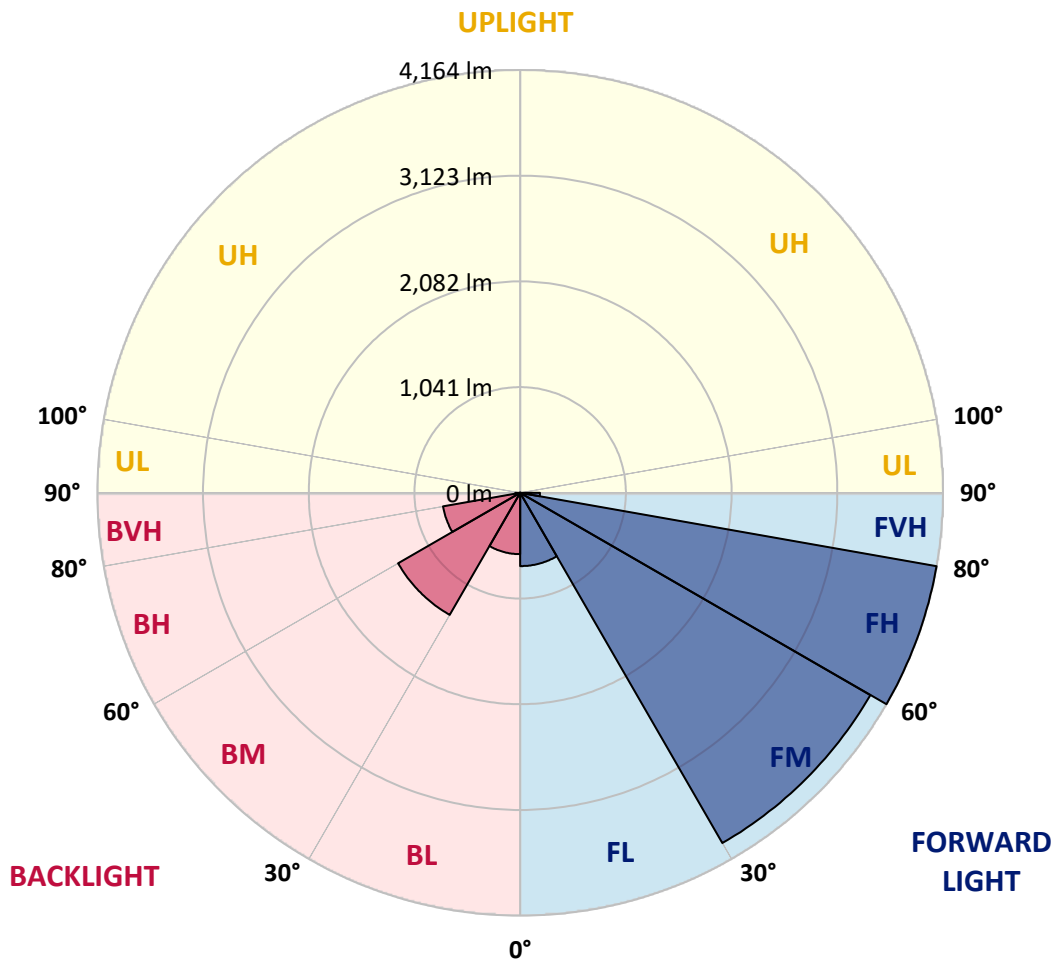
CATALOG NUMBER: RDG-E04-LED-E-U-SL3

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

| Zone | Lumens | % Fixture | Zone Rating/Lumen Limit | | |
|----------------|--------|-----------|-------------------------|------|---------|
| | | | B | U | G |
| FL (0°-30°) | 721.9 | 6.1 | | | |
| FM (30°-60°) | 3982.2 | 33.5 | | | |
| FH (60°-80°) | 4164.0 | 35.1 | | | G2/5000 |
| FVH (80°-90°) | 194.8 | 1.6 | | | G2/225 |
| BL (0°-30°) | 604.5 | 5.1 | B2/1000 | | |
| BM (30°-60°) | 1388.5 | 11.7 | B2/2500 | | |
| BH (60°-80°) | 772.0 | 6.5 | B2/1000 | | G2/1000 |
| BVH (80°-90°) | 46.9 | 0.4 | | | 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





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CATALOG NUMBER: RDG-E04-LED-E-U-SL3

CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 15° | 25° | 35° | 45° | 55° | 60° | 61° | 62° | 64° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 1263.2 | 1263.2 | 1263.2 | 1263.2 | 1263.2 | 1263.2 | 1263.2 | 1263.2 | 1263.2 | 1263.2 | 1263.2 |
| 2.5° | 1326.4 | 1320.8 | 1321.6 | 1324.0 | 1316.0 | 1312.0 | 1303.2 | 1297.6 | 1296.8 | 1296.0 | 1292.8 |
| 5° | 1404.0 | 1398.4 | 1400.8 | 1394.4 | 1379.2 | 1368.8 | 1350.4 | 1340.8 | 1339.2 | 1337.6 | 1333.6 |
| 7.5° | 1484.8 | 1477.6 | 1469.6 | 1462.4 | 1445.6 | 1428.8 | 1404.8 | 1390.4 | 1388.8 | 1386.4 | 1384.0 |
| 10° | 1580.8 | 1570.4 | 1564.0 | 1541.6 | 1512.8 | 1489.6 | 1465.6 | 1450.4 | 1449.6 | 1447.2 | 1442.4 |
| 12.5° | 1688.8 | 1677.6 | 1665.6 | 1636.0 | 1591.2 | 1556.8 | 1528.8 | 1520.0 | 1512.8 | 1513.6 | 1508.8 |
| 15° | 1796.0 | 1784.0 | 1768.0 | 1730.4 | 1671.2 | 1620.0 | 1584.0 | 1571.2 | 1572.0 | 1568.0 | 1570.4 |
| 17.5° | 1886.4 | 1876.0 | 1852.8 | 1804.8 | 1736.0 | 1665.6 | 1620.0 | 1614.4 | 1616.0 | 1615.2 | 1617.6 |
| 20° | 1945.6 | 1939.2 | 1904.0 | 1846.4 | 1768.8 | 1691.2 | 1644.8 | 1644.8 | 1645.6 | 1648.8 | 1654.4 |
| 22.5° | 1981.6 | 1972.0 | 1925.6 | 1844.8 | 1768.0 | 1703.2 | 1667.2 | 1675.2 | 1680.0 | 1682.4 | 1691.2 |
| 25° | 2001.6 | 1989.6 | 1926.4 | 1819.2 | 1740.8 | 1712.0 | 1700.8 | 1720.8 | 1728.8 | 1732.8 | 1747.2 |
| 27.5° | 2001.6 | 1987.2 | 1916.0 | 1787.2 | 1709.6 | 1738.4 | 1764.8 | 1799.2 | 1804.8 | 1816.8 | 1833.6 |
| 30° | 1979.2 | 1968.0 | 1900.0 | 1763.2 | 1701.6 | 1788.0 | 1868.0 | 1907.2 | 1920.8 | 1934.4 | 1956.0 |
| 32.5° | 1955.2 | 1945.6 | 1892.0 | 1776.0 | 1746.4 | 1892.0 | 2025.6 | 2079.2 | 2087.2 | 2098.4 | 2120.8 |
| 35° | 1953.6 | 1950.4 | 1927.2 | 1857.6 | 1881.6 | 2082.4 | 2263.2 | 2300.0 | 2322.4 | 2328.0 | 2337.6 |
| 37.5° | 1970.4 | 1976.8 | 1996.8 | 1989.6 | 2076.0 | 2365.6 | 2574.4 | 2648.0 | 2665.6 | 2656.0 | 2664.8 |
| 40° | 2009.6 | 2025.6 | 2100.0 | 2192.0 | 2372.8 | 2708.0 | 2998.4 | 3083.2 | 3102.4 | 3096.8 | 3094.4 |
| 42.5° | 2133.6 | 2155.2 | 2264.8 | 2461.6 | 2681.6 | 3062.4 | 3392.0 | 3483.2 | 3489.6 | 3492.8 | 3472.0 |
| 45° | 2328.0 | 2340.0 | 2485.6 | 2736.8 | 3016.0 | 3444.0 | 3784.8 | 3886.4 | 3882.4 | 3866.4 | 3851.2 |
| 47.5° | 2548.8 | 2573.6 | 2748.0 | 3052.0 | 3361.6 | 3796.8 | 4182.4 | 4281.6 | 4290.4 | 4276.0 | 4248.0 |
| 50° | 2749.6 | 2768.8 | 2965.6 | 3326.4 | 3666.4 | 4090.4 | 4517.6 | 4617.6 | 4616.0 | 4624.0 | 4632.0 |
| 52.5° | 2908.0 | 2925.6 | 3112.8 | 3509.6 | 3890.4 | 4336.8 | 4770.4 | 4893.6 | 4912.8 | 4925.6 | 4941.6 |
| 55° | 2989.6 | 3008.0 | 3180.8 | 3585.6 | 4026.4 | 4577.6 | 5062.4 | 5239.2 | 5272.0 | 5300.8 | 5327.2 |
| 57.5° | 2991.2 | 3015.2 | 3173.6 | 3580.0 | 4096.8 | 4792.8 | 5448.8 | 5766.4 | 5812.8 | 5886.4 | 5976.8 |
| 60° | 2942.4 | 2976.0 | 3118.4 | 3528.0 | 4177.6 | 5065.6 | 6085.6 | 6693.6 | 6784.8 | 6913.6 | 7029.6 |
| 62.5° | 2815.2 | 2848.8 | 2976.0 | 3396.0 | 4272.0 | 5415.2 | 7005.6 | 7896.8 | 8091.2 | 8233.6 | 8463.2 |
| 65° | 2614.4 | 2646.4 | 2753.6 | 3177.6 | 4196.8 | 5691.2 | 7691.2 | 8760.0 | 8958.4 | 9136.8 | 9406.4 |
| 67° | 2435.2 | 2438.4 | 2528.8 | 2927.2 | 3904.0 | 5605.6 | 7828.8 | 8875.2 | 9058.4 | 9239.2 | 9552.0 |
| 67.5° | 2372.0 | 2389.6 | 2460.0 | 2844.0 | 3792.8 | 5542.4 | 7774.4 | 8812.8 | 8990.4 | 9183.2 | 9502.4 |
| 70° | 1917.6 | 1922.4 | 1990.4 | 2268.8 | 3009.6 | 4595.2 | 6983.2 | 8016.8 | 8138.4 | 8420.8 | 8734.4 |
| 72.5° | 1169.6 | 1161.6 | 1183.2 | 1389.6 | 1980.8 | 3182.4 | 5591.2 | 6600.0 | 6766.4 | 7007.2 | 7219.2 |
| 75° | 644.0 | 682.4 | 708.8 | 852.0 | 1112.8 | 1871.2 | 3807.2 | 4775.2 | 5019.2 | 5162.4 | 5204.8 |
| 77.5° | 393.6 | 390.4 | 402.4 | 549.6 | 912.8 | 1280.0 | 2103.2 | 2801.6 | 2937.6 | 2978.4 | 2820.8 |
| 80° | 187.2 | 194.4 | 192.0 | 226.4 | 442.4 | 1080.0 | 1470.4 | 1799.2 | 1868.0 | 1907.2 | 1958.4 |
| 82.5° | 102.4 | 106.4 | 120.8 | 135.2 | 174.4 | 464.8 | 1268.8 | 1659.2 | 1705.6 | 1772.8 | 1848.0 |
| 85° | 64.0 | 67.2 | 92.8 | 97.6 | 107.2 | 143.2 | 528.8 | 969.6 | 1008.8 | 1142.4 | 1184.8 |
| 87.5° | 26.4 | 28.8 | 50.4 | 45.6 | 54.4 | 50.4 | 160.0 | 246.4 | 261.6 | 278.4 | 308.8 |
| 90° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |



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CATALOG NUMBER: RDG-E04-LED-E-U-SL3

CANDELA DISTRIBUTION (continued):

| | 65° | 66° | 67° | 67.5° | 68° | 69° | 70° | 71° | 72° | 73° | 74° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 1263.2 | 1263.2 | 1263.2 | 1263.2 | 1263.2 | 1263.2 | 1263.2 | 1263.2 | 1263.2 | 1263.2 | 1263.2 |
| 2.5° | 1293.6 | 1292.8 | 1289.6 | 1288.8 | 1290.4 | 1290.4 | 1288.8 | 1286.4 | 1285.6 | 1284.8 | 1283.2 |
| 5° | 1332.0 | 1330.4 | 1328.0 | 1326.4 | 1325.6 | 1325.6 | 1323.2 | 1320.8 | 1318.4 | 1315.2 | 1314.4 |
| 7.5° | 1377.6 | 1377.6 | 1376.8 | 1374.4 | 1372.0 | 1368.8 | 1366.4 | 1364.0 | 1361.6 | 1360.0 | 1357.6 |
| 10° | 1437.6 | 1440.8 | 1435.2 | 1433.6 | 1432.8 | 1428.0 | 1427.2 | 1424.8 | 1423.2 | 1419.2 | 1419.2 |
| 12.5° | 1508.8 | 1505.6 | 1504.8 | 1501.6 | 1501.6 | 1499.2 | 1498.4 | 1497.6 | 1496.0 | 1492.8 | 1492.0 |
| 15° | 1568.0 | 1568.0 | 1567.2 | 1565.6 | 1567.2 | 1565.6 | 1563.2 | 1564.8 | 1562.4 | 1563.2 | 1560.8 |
| 17.5° | 1616.0 | 1619.2 | 1618.4 | 1619.2 | 1618.4 | 1618.4 | 1620.0 | 1620.0 | 1621.6 | 1618.4 | 1619.2 |
| 20° | 1656.0 | 1660.8 | 1663.2 | 1661.6 | 1663.2 | 1664.0 | 1668.0 | 1669.6 | 1672.0 | 1673.6 | 1673.6 |
| 22.5° | 1697.6 | 1704.0 | 1708.8 | 1708.8 | 1712.0 | 1715.2 | 1722.4 | 1724.0 | 1729.6 | 1728.8 | 1732.8 |
| 25° | 1756.0 | 1766.4 | 1769.6 | 1774.4 | 1778.4 | 1784.0 | 1792.8 | 1796.8 | 1799.2 | 1804.8 | 1811.2 |
| 27.5° | 1845.6 | 1858.4 | 1860.8 | 1866.4 | 1876.8 | 1880.0 | 1889.6 | 1893.6 | 1902.4 | 1914.4 | 1916.8 |
| 30° | 1968.0 | 1984.0 | 1984.8 | 1991.2 | 2003.2 | 2007.2 | 2015.2 | 2025.6 | 2032.8 | 2044.8 | 2045.6 |
| 32.5° | 2134.4 | 2150.4 | 2148.0 | 2160.0 | 2159.2 | 2171.2 | 2168.8 | 2184.8 | 2191.2 | 2197.6 | 2215.2 |
| 35° | 2356.0 | 2354.4 | 2366.4 | 2370.4 | 2368.0 | 2377.6 | 2376.0 | 2383.2 | 2389.6 | 2389.6 | 2408.8 |
| 37.5° | 2675.2 | 2672.8 | 2671.2 | 2654.4 | 2650.4 | 2651.2 | 2648.0 | 2654.4 | 2644.0 | 2644.0 | 2664.8 |
| 40° | 3103.2 | 3088.8 | 3077.6 | 3066.4 | 3055.2 | 3040.0 | 3027.2 | 3024.0 | 3006.4 | 3005.6 | 2997.6 |
| 42.5° | 3475.2 | 3461.6 | 3453.6 | 3432.0 | 3420.8 | 3418.4 | 3387.2 | 3378.4 | 3373.6 | 3376.8 | 3368.8 |
| 45° | 3865.6 | 3851.2 | 3820.8 | 3811.2 | 3808.0 | 3791.2 | 3786.4 | 3764.8 | 3758.4 | 3769.6 | 3765.6 |
| 47.5° | 4268.0 | 4247.2 | 4230.4 | 4219.2 | 4215.2 | 4200.8 | 4180.0 | 4197.6 | 4188.8 | 4182.4 | 4170.4 |
| 50° | 4629.6 | 4606.4 | 4606.4 | 4586.4 | 4589.6 | 4580.0 | 4558.4 | 4563.2 | 4538.4 | 4548.0 | 4541.6 |
| 52.5° | 4932.8 | 4934.4 | 4942.4 | 4920.0 | 4924.0 | 4924.0 | 4916.8 | 4893.6 | 4900.0 | 4896.8 | 4912.0 |
| 55° | 5318.4 | 5344.8 | 5330.4 | 5334.4 | 5339.2 | 5361.6 | 5377.6 | 5364.0 | 5341.6 | 5359.2 | 5408.0 |
| 57.5° | 5992.8 | 6016.8 | 6031.2 | 6042.4 | 6060.8 | 6071.2 | 6157.6 | 6169.6 | 6144.0 | 6196.8 | 6305.6 |
| 60° | 7165.6 | 7194.4 | 7237.6 | 7294.4 | 7306.4 | 7379.2 | 7424.0 | 7476.8 | 7496.0 | 7541.6 | 7658.4 |
| 62.5° | 8576.0 | 8640.8 | 8648.8 | 8720.8 | 8776.8 | 8708.8 | 8726.4 | 8791.2 | 8717.6 | 8818.4 | 8823.2 |
| 65° | 9499.2 | 9593.6 | 9596.8 | 9623.2 | 9644.0 | 9580.0 | 9551.2 | 9522.4 | 9452.8 | 9448.8 | 9518.4 |
| 67° | 9657.6 | 9744.0 | 9780.0 | 9792.8 | 9789.6 | 9756.8 | 9709.6 | 9626.4 | 9559.2 | 9520.8 | 9549.6 |
| 67.5° | 9612.8 | 9697.6 | 9748.0 | 9760.0 | 9760.8 | 9728.8 | 9685.6 | 9595.2 | 9532.0 | 9488.8 | 9519.2 |
| 70° | 8876.8 | 9075.2 | 9161.6 | 9116.8 | 9142.4 | 9142.4 | 9140.8 | 9057.6 | 9026.4 | 8984.8 | 8968.8 |
| 72.5° | 7380.8 | 7518.4 | 7628.0 | 7569.6 | 7576.8 | 7631.2 | 7618.4 | 7627.2 | 7537.6 | 7528.0 | 7380.0 |
| 75° | 5287.2 | 5331.2 | 5294.4 | 5336.0 | 5112.0 | 5032.0 | 4896.0 | 4697.6 | 4645.6 | 4563.2 | 4316.8 |
| 77.5° | 2808.8 | 2759.2 | 2660.8 | 2652.8 | 2560.8 | 2489.6 | 2401.6 | 2344.0 | 2198.4 | 2117.6 | 1932.8 |
| 80° | 1984.0 | 2008.0 | 2045.6 | 2068.0 | 2088.8 | 2104.8 | 2072.0 | 1980.0 | 1858.4 | 1722.4 | 1593.6 |
| 82.5° | 1895.2 | 1928.0 | 1950.4 | 1961.6 | 1953.6 | 1928.0 | 1852.8 | 1764.8 | 1602.4 | 1484.8 | 1345.6 |
| 85° | 1195.2 | 1221.6 | 1176.0 | 1166.4 | 1186.4 | 1024.8 | 936.0 | 864.0 | 700.0 | 651.2 | 575.2 |
| 87.5° | 320.8 | 338.4 | 339.2 | 328.8 | 322.4 | 284.0 | 251.2 | 222.4 | 184.0 | 172.8 | 140.0 |
| 90° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |



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CATALOG NUMBER: RDG-E04-LED-E-U-SL3

CANDELA DISTRIBUTION (continued):

| | 75° | 76° | 77° | 78° | 79° | 80° | 81° | 82° | 83° | 84° | 85° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 1263.2 | 1263.2 | 1263.2 | 1263.2 | 1263.2 | 1263.2 | 1263.2 | 1263.2 | 1263.2 | 1263.2 | 1263.2 |
| 2.5° | 1283.2 | 1282.4 | 1282.4 | 1280.0 | 1278.4 | 1277.6 | 1276.8 | 1274.4 | 1272.8 | 1272.8 | 1272.0 |
| 5° | 1313.6 | 1312.0 | 1309.6 | 1308.8 | 1305.6 | 1304.0 | 1300.8 | 1299.2 | 1296.8 | 1295.2 | 1294.4 |
| 7.5° | 1356.8 | 1352.8 | 1348.0 | 1348.8 | 1344.0 | 1341.6 | 1340.0 | 1336.8 | 1334.4 | 1332.0 | 1331.2 |
| 10° | 1414.4 | 1413.6 | 1408.8 | 1410.4 | 1401.6 | 1405.6 | 1397.6 | 1398.4 | 1393.6 | 1388.8 | 1388.0 |
| 12.5° | 1488.0 | 1487.2 | 1482.4 | 1476.8 | 1475.2 | 1476.0 | 1471.2 | 1472.0 | 1466.4 | 1464.8 | 1463.2 |
| 15° | 1558.4 | 1556.8 | 1554.4 | 1550.4 | 1548.0 | 1547.2 | 1545.6 | 1544.0 | 1539.2 | 1539.2 | 1533.6 |
| 17.5° | 1619.2 | 1620.0 | 1616.8 | 1613.6 | 1612.0 | 1609.6 | 1608.8 | 1608.8 | 1604.8 | 1600.8 | 1601.6 |
| 20° | 1672.8 | 1674.4 | 1674.4 | 1672.0 | 1672.8 | 1671.2 | 1670.4 | 1672.0 | 1668.0 | 1666.4 | 1664.0 |
| 22.5° | 1732.8 | 1732.8 | 1733.6 | 1735.2 | 1737.6 | 1738.4 | 1738.4 | 1736.8 | 1734.4 | 1733.6 | 1728.8 |
| 25° | 1816.0 | 1812.8 | 1816.8 | 1818.4 | 1818.4 | 1822.4 | 1820.8 | 1821.6 | 1822.4 | 1820.0 | 1817.6 |
| 27.5° | 1920.8 | 1917.6 | 1925.6 | 1931.2 | 1930.4 | 1932.8 | 1937.6 | 1932.0 | 1935.2 | 1937.6 | 1932.0 |
| 30° | 2049.6 | 2057.6 | 2063.2 | 2067.2 | 2065.6 | 2072.8 | 2075.2 | 2074.4 | 2072.0 | 2076.0 | 2076.0 |
| 32.5° | 2213.6 | 2209.6 | 2224.0 | 2232.8 | 2233.6 | 2232.0 | 2236.0 | 2240.8 | 2236.8 | 2243.2 | 2240.0 |
| 35° | 2408.8 | 2411.2 | 2414.4 | 2424.0 | 2428.0 | 2421.6 | 2428.0 | 2433.6 | 2432.0 | 2432.8 | 2436.0 |
| 37.5° | 2660.8 | 2664.8 | 2661.6 | 2662.4 | 2660.8 | 2691.2 | 2696.0 | 2700.8 | 2695.2 | 2690.4 | 2704.8 |
| 40° | 3010.4 | 3010.4 | 3009.6 | 3020.0 | 3002.4 | 3021.6 | 3016.0 | 3029.6 | 3044.0 | 3036.0 | 3057.6 |
| 42.5° | 3354.4 | 3373.6 | 3375.2 | 3360.0 | 3372.8 | 3393.6 | 3393.6 | 3402.4 | 3415.2 | 3402.4 | 3423.2 |
| 45° | 3748.8 | 3772.8 | 3768.8 | 3794.4 | 3775.2 | 3799.2 | 3803.2 | 3792.0 | 3820.0 | 3823.2 | 3815.2 |
| 47.5° | 4179.2 | 4184.0 | 4184.8 | 4193.6 | 4197.6 | 4216.8 | 4216.0 | 4236.8 | 4230.4 | 4198.4 | 4209.6 |
| 50° | 4548.0 | 4560.0 | 4566.4 | 4572.0 | 4592.0 | 4605.6 | 4624.0 | 4627.2 | 4622.4 | 4612.8 | 4604.0 |
| 52.5° | 4916.8 | 4945.6 | 4964.0 | 5013.6 | 5044.8 | 5069.6 | 5100.0 | 5111.2 | 5105.6 | 5103.2 | 5068.0 |
| 55° | 5410.4 | 5479.2 | 5585.6 | 5654.4 | 5729.6 | 5773.6 | 5808.8 | 5826.4 | 5813.6 | 5820.0 | 5747.2 |
| 57.5° | 6340.0 | 6501.6 | 6594.4 | 6712.0 | 6844.8 | 6900.0 | 6915.2 | 6977.6 | 6908.8 | 6840.0 | 6784.8 |
| 60° | 7721.6 | 7870.4 | 8039.2 | 8160.0 | 8204.8 | 8357.6 | 8285.6 | 8204.8 | 8131.2 | 7988.8 | 7828.0 |
| 62.5° | 8968.8 | 9160.8 | 9247.2 | 9360.0 | 9329.6 | 9316.8 | 9268.8 | 9140.0 | 8982.4 | 8770.4 | 8556.0 |
| 65° | 9584.0 | 9692.0 | 9745.6 | 9782.4 | 9748.0 | 9659.2 | 9500.8 | 9310.4 | 9084.8 | 8810.4 | 8528.8 |
| 67° | 9608.8 | 9658.4 | 9676.0 | 9640.8 | 9564.0 | 9425.6 | 9225.6 | 8956.0 | 8678.4 | 8364.0 | 8047.2 |
| 67.5° | 9568.0 | 9600.8 | 9609.6 | 9554.4 | 9463.2 | 9313.6 | 9100.0 | 8812.0 | 8516.8 | 8190.4 | 7872.0 |
| 70° | 9011.2 | 8987.2 | 8909.6 | 8833.6 | 8548.8 | 8348.0 | 7976.0 | 7668.8 | 7259.2 | 6959.2 | 6619.2 |
| 72.5° | 7320.8 | 7211.2 | 7136.0 | 6800.0 | 6456.0 | 6256.8 | 5856.8 | 5489.6 | 5116.0 | 4830.4 | 4621.6 |
| 75° | 4109.6 | 4029.6 | 3820.8 | 3643.2 | 3359.2 | 3099.2 | 2912.8 | 2679.2 | 2455.2 | 2322.4 | 2224.8 |
| 77.5° | 1856.8 | 1628.0 | 1470.4 | 1271.2 | 1027.2 | 825.6 | 612.8 | 566.4 | 483.2 | 462.4 | 416.8 |
| 80° | 1448.8 | 1284.8 | 1078.4 | 850.4 | 600.0 | 403.2 | 296.0 | 251.2 | 236.0 | 226.4 | 221.6 |
| 82.5° | 1208.8 | 996.0 | 838.4 | 595.2 | 380.8 | 256.0 | 192.8 | 174.4 | 163.2 | 155.2 | 148.0 |
| 85° | 516.8 | 408.8 | 336.8 | 240.8 | 171.2 | 135.2 | 118.4 | 108.0 | 97.6 | 88.8 | 83.2 |
| 87.5° | 120.8 | 92.8 | 84.8 | 72.0 | 68.0 | 67.2 | 66.4 | 63.2 | 59.2 | 54.4 | 48.8 |
| 90° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |



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CATALOG NUMBER: RDG-E04-LED-E-U-SL3

CANDELA DISTRIBUTION (continued):

| | 86° | 87° | 88° | 89° | 90° | 95° | 105° | 115° | 125° | 135° | 145° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 1263.2 | 1263.2 | 1263.2 | 1263.2 | 1263.2 | 1263.2 | 1263.2 | 1263.2 | 1263.2 | 1263.2 | 1263.2 |
| 2.5° | 1271.2 | 1270.4 | 1268.8 | 1266.4 | 1266.4 | 1263.2 | 1252.8 | 1245.6 | 1237.6 | 1232.8 | 1228.0 |
| 5° | 1292.8 | 1292.0 | 1288.0 | 1285.6 | 1284.0 | 1277.6 | 1260.0 | 1246.4 | 1232.0 | 1221.6 | 1213.6 |
| 7.5° | 1328.8 | 1326.4 | 1323.2 | 1321.6 | 1316.8 | 1308.8 | 1283.2 | 1264.0 | 1243.2 | 1226.4 | 1212.8 |
| 10° | 1387.2 | 1383.2 | 1378.4 | 1373.6 | 1375.2 | 1362.4 | 1332.8 | 1304.8 | 1274.4 | 1248.0 | 1229.6 |
| 12.5° | 1458.4 | 1458.4 | 1456.0 | 1452.8 | 1447.2 | 1432.8 | 1392.8 | 1360.0 | 1323.2 | 1290.4 | 1276.8 |
| 15° | 1533.6 | 1529.6 | 1525.6 | 1520.8 | 1520.0 | 1500.8 | 1464.8 | 1427.2 | 1388.8 | 1360.8 | 1344.8 |
| 17.5° | 1595.2 | 1596.8 | 1591.2 | 1589.6 | 1588.0 | 1568.8 | 1530.4 | 1496.8 | 1468.8 | 1439.2 | 1413.6 |
| 20° | 1660.8 | 1657.6 | 1656.0 | 1653.6 | 1652.8 | 1636.8 | 1606.4 | 1585.6 | 1560.8 | 1516.0 | 1448.8 |
| 22.5° | 1731.2 | 1727.2 | 1728.8 | 1724.0 | 1723.2 | 1712.0 | 1689.6 | 1683.2 | 1646.4 | 1552.0 | 1435.2 |
| 25° | 1822.4 | 1815.2 | 1817.6 | 1817.6 | 1818.4 | 1808.0 | 1805.6 | 1794.4 | 1701.6 | 1543.2 | 1380.8 |
| 27.5° | 1931.2 | 1934.4 | 1934.4 | 1933.6 | 1928.0 | 1931.2 | 1942.4 | 1904.0 | 1720.8 | 1496.8 | 1299.2 |
| 30° | 2072.8 | 2074.4 | 2076.0 | 2081.6 | 2069.6 | 2090.4 | 2104.0 | 1981.6 | 1706.4 | 1432.8 | 1196.8 |
| 32.5° | 2244.8 | 2238.4 | 2241.6 | 2244.8 | 2248.8 | 2270.4 | 2262.4 | 2020.8 | 1664.0 | 1345.6 | 1069.6 |
| 35° | 2434.4 | 2446.4 | 2449.6 | 2456.8 | 2464.8 | 2497.6 | 2405.6 | 2028.8 | 1599.2 | 1228.8 | 907.2 |
| 37.5° | 2716.8 | 2736.0 | 2736.0 | 2761.6 | 2746.4 | 2786.4 | 2533.6 | 2009.6 | 1500.8 | 1066.4 | 724.0 |
| 40° | 3072.8 | 3081.6 | 3090.4 | 3093.6 | 3085.6 | 3080.8 | 2617.6 | 1962.4 | 1362.4 | 862.4 | 529.6 |
| 42.5° | 3436.0 | 3432.8 | 3433.6 | 3439.2 | 3417.6 | 3327.2 | 2669.6 | 1880.0 | 1190.4 | 644.0 | 380.0 |
| 45° | 3827.2 | 3813.6 | 3809.6 | 3798.4 | 3779.2 | 3588.8 | 2699.2 | 1764.0 | 964.0 | 452.8 | 298.4 |
| 47.5° | 4208.0 | 4191.2 | 4165.6 | 4134.4 | 4097.6 | 3799.2 | 2696.0 | 1613.6 | 739.2 | 324.0 | 263.2 |
| 50° | 4598.4 | 4568.8 | 4513.6 | 4483.2 | 4420.8 | 4008.0 | 2677.6 | 1446.4 | 532.0 | 268.0 | 246.4 |
| 52.5° | 5044.8 | 4992.0 | 4940.8 | 4880.0 | 4776.8 | 4264.8 | 2649.6 | 1258.4 | 388.0 | 245.6 | 235.2 |
| 55° | 5710.4 | 5624.0 | 5540.0 | 5413.6 | 5313.6 | 4608.8 | 2602.4 | 1056.0 | 306.4 | 236.8 | 228.8 |
| 57.5° | 6628.0 | 6480.8 | 6374.4 | 6204.0 | 6044.0 | 5084.8 | 2552.0 | 872.0 | 273.6 | 234.4 | 225.6 |
| 60° | 7660.8 | 7439.2 | 7240.8 | 7031.2 | 6848.8 | 5679.2 | 2525.6 | 728.0 | 266.4 | 236.8 | 226.4 |
| 62.5° | 8308.8 | 8047.2 | 7799.2 | 7543.2 | 7280.8 | 5963.2 | 2411.2 | 628.8 | 269.6 | 247.2 | 232.8 |
| 65° | 8227.2 | 7938.4 | 7668.8 | 7356.8 | 7109.6 | 5695.2 | 2120.0 | 532.0 | 275.2 | 265.6 | 250.4 |
| 67° | 7676.8 | 7396.8 | 7089.6 | 6784.0 | 6544.0 | 5185.6 | 1789.6 | 448.0 | 281.6 | 286.4 | 269.6 |
| 67.5° | 7529.6 | 7214.4 | 6904.8 | 6624.0 | 6364.0 | 5028.0 | 1703.2 | 427.2 | 283.2 | 292.0 | 276.0 |
| 70° | 6279.2 | 6029.6 | 5667.2 | 5459.2 | 5271.2 | 4076.0 | 1270.4 | 332.0 | 288.0 | 316.8 | 306.4 |
| 72.5° | 4393.6 | 4152.0 | 3962.4 | 3848.8 | 3739.2 | 2961.6 | 893.6 | 264.8 | 280.8 | 330.4 | 320.0 |
| 75° | 2219.2 | 2164.0 | 2097.6 | 2060.8 | 2062.4 | 1721.6 | 538.4 | 225.6 | 264.0 | 316.8 | 290.4 |
| 77.5° | 438.4 | 427.2 | 432.0 | 472.8 | 465.6 | 530.4 | 267.2 | 191.2 | 224.8 | 244.0 | 208.8 |
| 80° | 212.0 | 204.8 | 198.4 | 196.8 | 192.8 | 184.8 | 168.0 | 159.2 | 182.4 | 160.8 | 138.4 |
| 82.5° | 137.6 | 129.6 | 126.4 | 120.0 | 120.8 | 131.2 | 146.4 | 152.8 | 148.0 | 111.2 | 93.6 |
| 85° | 77.6 | 76.8 | 75.2 | 76.8 | 80.0 | 104.8 | 156.8 | 143.2 | 119.2 | 78.4 | 70.4 |
| 87.5° | 46.4 | 44.0 | 44.8 | 45.6 | 47.2 | 77.6 | 124.0 | 103.2 | 76.0 | 40.8 | 41.6 |
| 90° | 0.0 | 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):

| | 155° | 165° | 175° | 180° |
|-------|--------|--------|--------|--------|
| 0° | 1263.2 | 1263.2 | 1263.2 | 1263.2 |
| 2.5° | 1227.2 | 1224.0 | 1224.0 | 1223.2 |
| 5° | 1207.2 | 1202.4 | 1201.6 | 1201.6 |
| 7.5° | 1204.0 | 1197.6 | 1196.8 | 1194.4 |
| 10° | 1218.4 | 1216.0 | 1216.8 | 1214.4 |
| 12.5° | 1264.0 | 1267.2 | 1270.4 | 1270.4 |
| 15° | 1333.6 | 1331.2 | 1335.2 | 1331.2 |
| 17.5° | 1384.8 | 1364.0 | 1359.2 | 1356.8 |
| 20° | 1386.4 | 1343.2 | 1328.8 | 1326.4 |
| 22.5° | 1336.8 | 1272.8 | 1248.8 | 1244.8 |
| 25° | 1252.8 | 1172.0 | 1141.6 | 1138.4 |
| 27.5° | 1147.2 | 1056.8 | 1012.0 | 1010.4 |
| 30° | 1020.0 | 912.8 | 856.0 | 847.2 |
| 32.5° | 864.8 | 737.6 | 677.6 | 658.4 |
| 35° | 685.6 | 555.2 | 499.2 | 497.6 |
| 37.5° | 512.0 | 410.4 | 374.4 | 372.8 |
| 40° | 375.2 | 322.4 | 308.8 | 306.4 |
| 42.5° | 306.4 | 284.8 | 279.2 | 276.8 |
| 45° | 274.4 | 265.6 | 262.4 | 260.0 |
| 47.5° | 255.2 | 249.6 | 247.2 | 247.2 |
| 50° | 240.0 | 238.4 | 236.8 | 236.8 |
| 52.5° | 229.6 | 228.8 | 227.2 | 226.4 |
| 55° | 220.8 | 217.6 | 218.4 | 217.6 |
| 57.5° | 215.2 | 210.4 | 210.4 | 210.4 |
| 60° | 212.0 | 203.2 | 203.2 | 204.0 |
| 62.5° | 212.8 | 199.2 | 198.4 | 198.4 |
| 65° | 219.2 | 196.8 | 192.0 | 192.8 |
| 67° | 227.2 | 194.4 | 184.8 | 184.0 |
| 67.5° | 229.6 | 192.8 | 182.4 | 181.6 |
| 70° | 239.2 | 188.0 | 170.4 | 168.8 |
| 72.5° | 240.8 | 180.8 | 158.4 | 156.8 |
| 75° | 224.0 | 171.2 | 148.8 | 144.8 |
| 77.5° | 174.4 | 147.2 | 134.4 | 134.4 |
| 80° | 122.4 | 112.8 | 96.0 | 95.2 |
| 82.5° | 89.6 | 84.8 | 70.4 | 68.8 |
| 85° | 65.6 | 61.6 | 52.0 | 52.0 |
| 87.5° | 40.8 | 39.2 | 33.6 | 32.0 |
| 90° | 0.0 | 0.0 | 0.0 | 0.0 |

(END OF REPORT)