

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: P940327

Luminaire Tested: **GLAN-SB3B-830-U-T3**

Issue Date: 1/21/2025

### Test Information

Test Method: LM-79-08  
Report Number: P940327  
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: STREETWORKS  
Catalog Number: GLAN-SB3B-830-U-T3  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(3) 80 CRI, 3000K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE III  
OPTICS  
Light Source: -  
Ballast/Driver: -

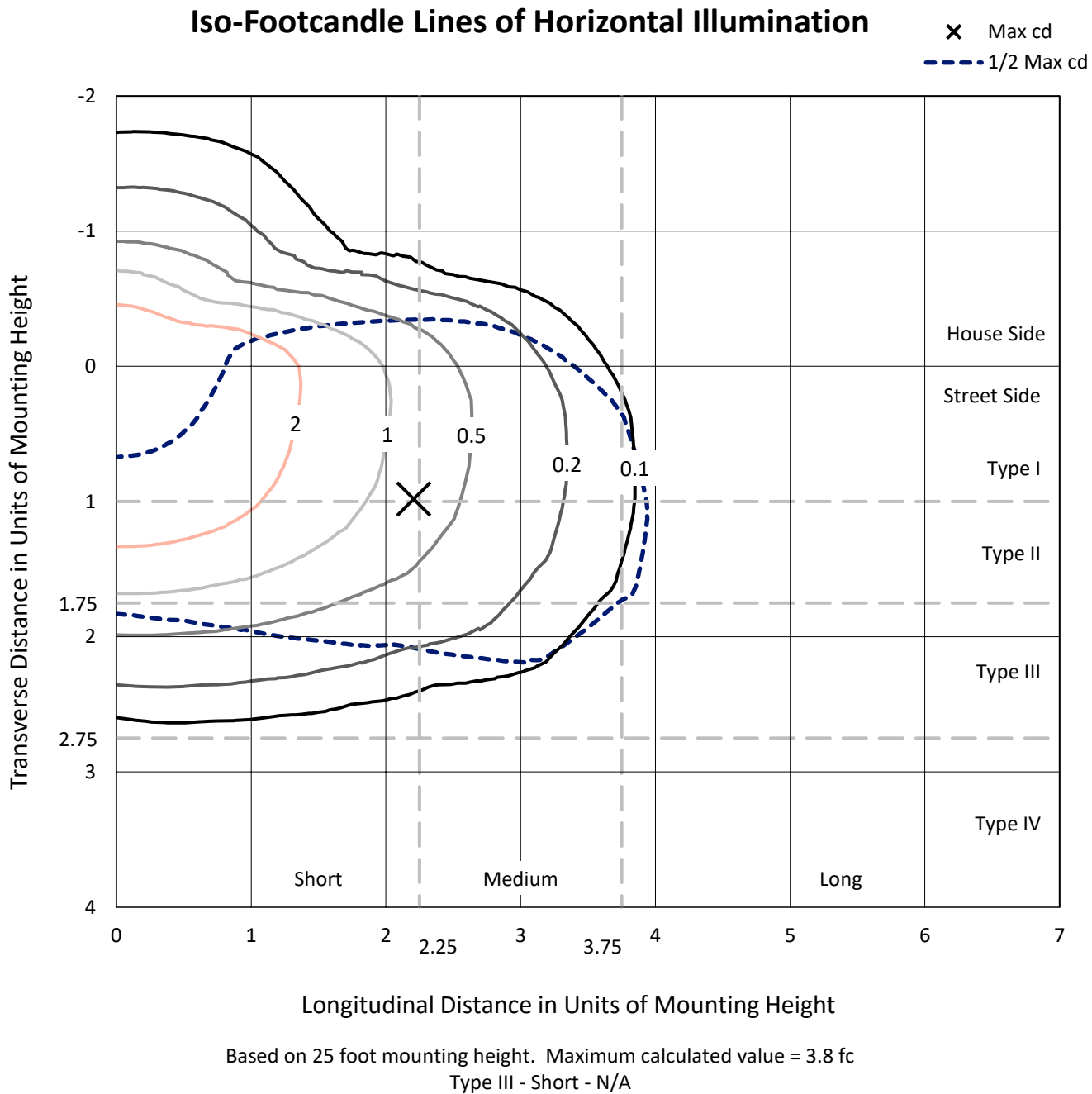
### Summary

Lumens per Lamp: N/A  
Luminaire Lumens: 15191 lumens  
Efficiency: N/A  
Efficacy: 139.1 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')  
IES Classification: Type III - Short  
BUG Rating: B2 - U0 - G2

Input Watts (W): 109.2  
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: 24 FT

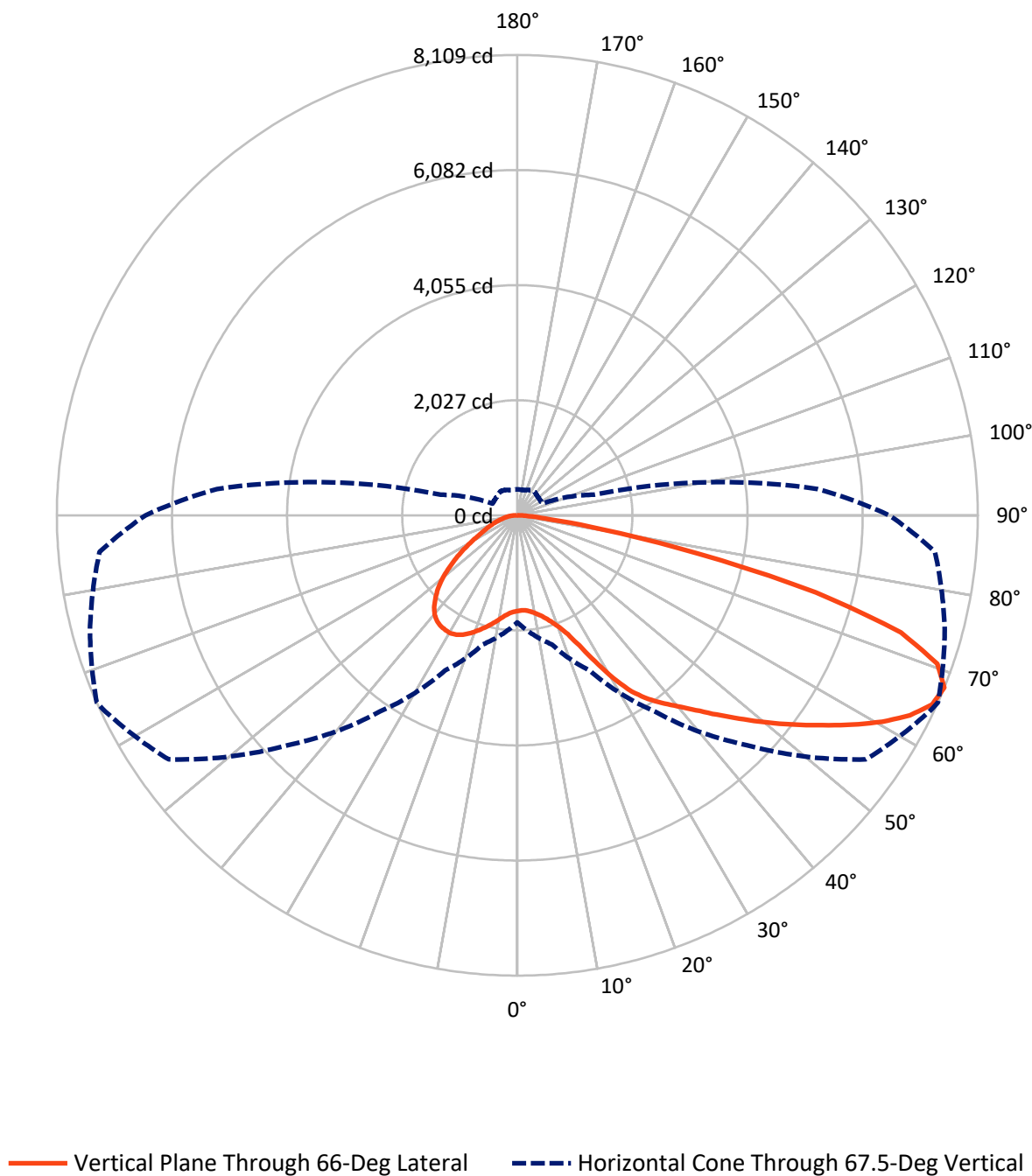


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## Luminous Intensity Polar Plot



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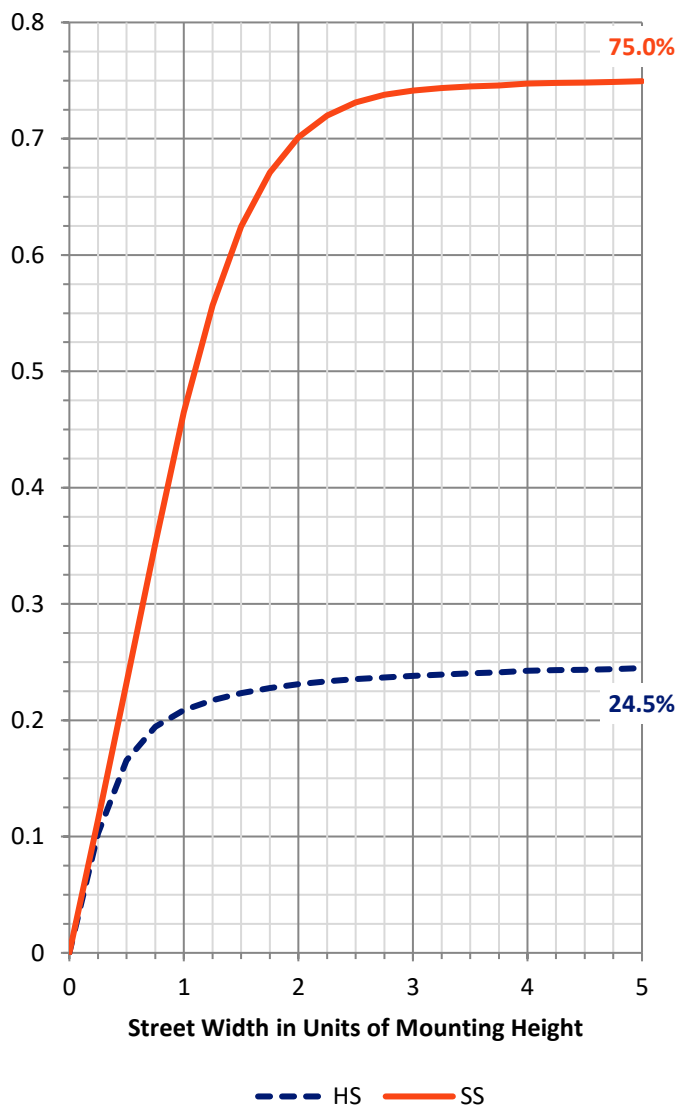
**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total   |
|--------------------|-----------|----------|--------|---------|
| <b>House Side</b>  | Lumens    | 3777.2   | 0.0    | 3777.2  |
|                    | % Fixture | 24.9     | 0.0    | 24.9    |
| <b>Street Side</b> | Lumens    | 11413.8  | 0.0    | 11413.8 |
|                    | % Fixture | 75.1     | 0.0    | 75.1    |
| <b>Total</b>       | Lumens    | 15191.0  | 0.0    | 15191.0 |
|                    | % Fixture | 100.0    | 0.0    | 100.0   |

**ZONAL LUMENS:**

| Zone      | Lumens  | % Fixture |
|-----------|---------|-----------|
| 0°-10°    | 167.0   | 1.1       |
| 10°-20°   | 551.9   | 3.6       |
| 20°-30°   | 1063.8  | 7.0       |
| 30°-40°   | 1865.2  | 12.3      |
| 40°-50°   | 2772.9  | 18.3      |
| 50°-60°   | 3514.9  | 23.1      |
| 60°-70°   | 3439.3  | 22.6      |
| 70°-80°   | 1640.6  | 10.8      |
| 80°-90°   | 175.3   | 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°    | 15191.0 | 100.0     |
| 0°-180°   | 15191.0 | 100.0     |

**Coefficient of Utilization**



REPORT NUMBER: P940327

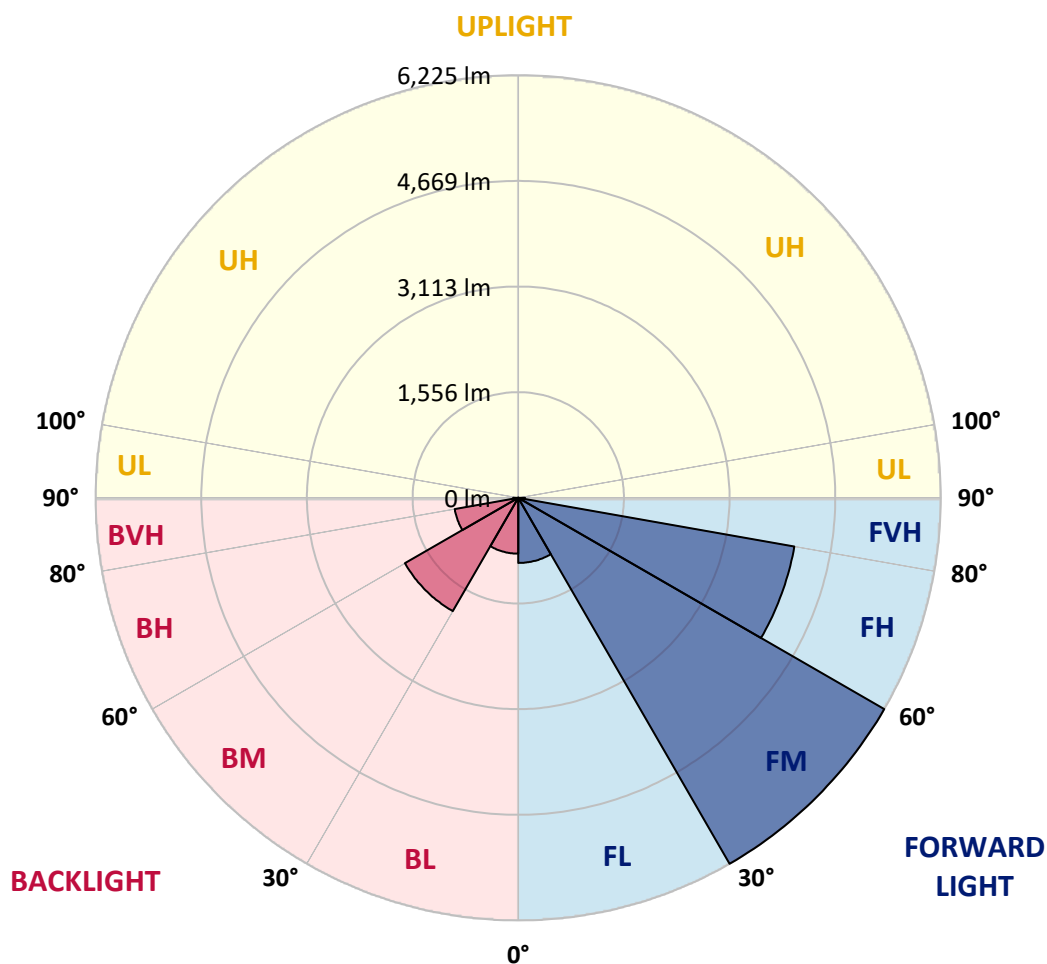
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

| Zone |             | Lumens | % Fixture | Zone Rating/Lumen Limit |      |         |
|------|-------------|--------|-----------|-------------------------|------|---------|
|      |             |        |           | B                       | U    | G       |
| FL   | (0°-30°)    | 959.9  | 6.3       |                         |      |         |
| FM   | (30°-60°)   | 6225.1 | 41.0      |                         |      |         |
| FH   | (60°-80°)   | 4129.3 | 27.2      |                         |      | G2/5000 |
| FVH  | (80°-90°)   | 99.4   | 0.7       |                         |      | G1/100  |
| BL   | (0°-30°)    | 822.8  | 5.4       | B2/1000                 |      |         |
| BM   | (30°-60°)   | 1927.9 | 12.7      | B2/2500                 |      |         |
| BH   | (60°-80°)   | 950.5  | 6.3       | B2/1000                 |      | G2/1000 |
| BVH  | (80°-90°)   | 75.9   | 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



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**CANDELA DISTRIBUTION (FULL):**

|       | 0°     | 5°     | 15°    | 25°    | 35°    | 45°    | 55°    | 65°    | 66°    | 75°    |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 1684.9 | 1684.9 | 1684.9 | 1684.9 | 1684.9 | 1684.9 | 1684.9 | 1684.9 | 1684.9 | 1684.9 |
| 2.5°  | 1667.3 | 1676.9 | 1674.5 | 1670.5 | 1669.7 | 1671.3 | 1673.7 | 1676.1 | 1675.3 | 1679.3 |
| 5°    | 1662.5 | 1672.1 | 1671.3 | 1671.3 | 1674.5 | 1680.9 | 1684.9 | 1688.9 | 1684.9 | 1689.7 |
| 7.5°  | 1665.7 | 1672.9 | 1676.1 | 1679.3 | 1687.3 | 1699.2 | 1708.8 | 1717.6 | 1712.8 | 1718.4 |
| 10°   | 1706.4 | 1712.0 | 1715.2 | 1715.2 | 1720.8 | 1734.4 | 1743.9 | 1759.9 | 1755.9 | 1764.7 |
| 12.5° | 1780.7 | 1786.2 | 1786.2 | 1783.1 | 1787.0 | 1795.8 | 1799.0 | 1816.6 | 1809.4 | 1823.8 |
| 15°   | 1871.6 | 1882.8 | 1874.0 | 1868.5 | 1870.1 | 1878.8 | 1878.0 | 1891.6 | 1884.4 | 1896.4 |
| 17.5° | 1972.2 | 1986.6 | 1972.2 | 1971.4 | 1968.2 | 1977.8 | 1978.6 | 1990.6 | 1977.8 | 1986.6 |
| 20°   | 2091.1 | 2111.1 | 2099.1 | 2103.1 | 2095.9 | 2099.9 | 2103.9 | 2121.5 | 2101.5 | 2107.9 |
| 22.5° | 2258.7 | 2282.7 | 2269.9 | 2285.1 | 2280.3 | 2277.1 | 2276.3 | 2307.4 | 2276.3 | 2278.7 |
| 25°   | 2503.0 | 2531.7 | 2509.4 | 2530.1 | 2530.1 | 2540.5 | 2552.5 | 2592.4 | 2540.5 | 2525.3 |
| 27.5° | 2863.7 | 2892.5 | 2848.6 | 2861.3 | 2857.4 | 2882.9 | 2870.1 | 2969.1 | 2913.2 | 2888.5 |
| 30°   | 3297.9 | 3349.0 | 3266.0 | 3262.8 | 3258.8 | 3299.5 | 3317.9 | 3383.3 | 3326.7 | 3301.9 |
| 32.5° | 3767.2 | 3820.7 | 3721.7 | 3693.0 | 3677.8 | 3702.6 | 3687.4 | 3740.1 | 3701.0 | 3662.7 |
| 35°   | 4263.7 | 4316.4 | 4222.2 | 4166.3 | 4105.7 | 4053.8 | 3999.5 | 4013.1 | 3976.4 | 3918.1 |
| 37.5° | 4733.0 | 4829.6 | 4729.8 | 4669.9 | 4558.2 | 4456.8 | 4305.2 | 4242.1 | 4207.8 | 4154.3 |
| 40°   | 5211.1 | 5266.2 | 5190.3 | 5139.3 | 5017.9 | 4859.1 | 4616.5 | 4483.2 | 4436.9 | 4385.0 |
| 42.5° | 5563.1 | 5615.7 | 5575.0 | 5539.9 | 5444.9 | 5260.6 | 4946.9 | 4780.1 | 4713.0 | 4654.8 |
| 45°   | 5842.4 | 5881.5 | 5856.0 | 5868.8 | 5828.0 | 5649.3 | 5289.3 | 5098.5 | 5029.1 | 4958.1 |
| 47.5° | 5955.0 | 5996.5 | 6037.2 | 6113.0 | 6182.4 | 6050.7 | 5657.2 | 5443.3 | 5369.9 | 5297.3 |
| 50°   | 5942.2 | 5984.5 | 6102.6 | 6263.8 | 6479.3 | 6435.4 | 6045.1 | 5810.5 | 5742.6 | 5659.6 |
| 52.5° | 5840.0 | 5887.9 | 6039.6 | 6307.7 | 6650.9 | 6723.6 | 6440.2 | 6189.6 | 6125.8 | 6026.8 |
| 55°   | 5571.8 | 5600.6 | 5828.0 | 6208.0 | 6691.6 | 6924.7 | 6827.3 | 6593.5 | 6529.6 | 6391.5 |
| 57.5° | 5074.6 | 5116.1 | 5447.3 | 5939.0 | 6589.5 | 7061.2 | 7167.3 | 7018.1 | 6956.6 | 6757.9 |
| 60°   | 4425.7 | 4492.0 | 4871.1 | 5487.2 | 6329.3 | 7060.4 | 7476.2 | 7435.5 | 7384.4 | 7118.6 |
| 62.5° | 3691.4 | 3768.0 | 4132.8 | 4848.7 | 5874.3 | 6860.1 | 7669.4 | 7785.1 | 7758.8 | 7451.5 |
| 65°   | 2835.0 | 2887.7 | 3250.8 | 4022.6 | 5166.4 | 6429.9 | 7691.7 | 8023.7 | 8028.5 | 7704.5 |
| 67.5° | 1887.6 | 2039.3 | 2354.5 | 3018.6 | 4218.2 | 5726.7 | 7495.4 | 8062.9 | 8109.1 | 7791.5 |
| 70°   | 921.1  | 1120.6 | 1429.5 | 1961.8 | 3018.6 | 4648.4 | 6982.2 | 7742.0 | 7845.0 | 7537.7 |
| 72.5° | 382.3  | 447.0  | 615.4  | 968.1  | 1732.8 | 3136.7 | 5951.0 | 6872.0 | 7062.8 | 6678.9 |
| 75°   | 257.8  | 279.4  | 352.0  | 496.4  | 789.4  | 1546.8 | 4291.6 | 5124.1 | 5431.4 | 5044.3 |
| 77.5° | 198.7  | 212.3  | 256.2  | 347.2  | 469.3  | 585.0  | 2297.1 | 3088.0 | 3246.9 | 3005.8 |
| 80°   | 156.4  | 166.8  | 191.6  | 253.0  | 332.8  | 312.9  | 783.0  | 1399.1 | 1490.9 | 1250.7 |
| 82.5° | 135.7  | 139.7  | 137.3  | 171.6  | 221.1  | 182.8  | 257.0  | 516.4  | 569.9  | 413.4  |
| 85°   | 98.2   | 109.3  | 114.1  | 106.2  | 117.3  | 92.6   | 105.4  | 182.8  | 201.1  | 179.6  |
| 87.5° | 39.9   | 59.1   | 72.6   | 68.6   | 43.1   | 26.3   | 32.7   | 53.5   | 61.5   | 67.0   |
| 90°   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |

REPORT NUMBER: P940327

CATALOG NUMBER: GLAN-SB3B-830-U-T3

**CANDELA DISTRIBUTION (continued):**

| 85°    |       | 90°    | 95°    | 105°   | 115°   | 125°   | 135°   | 145°   | 155°   | 165°   | 175°   |
|--------|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 1684.9 | 0°    | 1684.9 | 1684.9 | 1684.9 | 1684.9 | 1684.9 | 1684.9 | 1684.9 | 1684.9 | 1684.9 | 1684.9 |
| 1685.7 | 2.5°  | 1686.5 | 1692.1 | 1696.1 | 1700.8 | 1704.0 | 1708.8 | 1718.4 | 1724.0 | 1724.8 | 1728.8 |
| 1698.5 | 5°    | 1701.6 | 1709.6 | 1718.4 | 1731.2 | 1745.5 | 1757.5 | 1775.9 | 1788.6 | 1793.4 | 1797.4 |
| 1729.6 | 7.5°  | 1734.4 | 1745.5 | 1761.5 | 1783.9 | 1804.6 | 1820.6 | 1842.9 | 1858.1 | 1873.2 | 1878.8 |
| 1779.1 | 10°   | 1783.1 | 1799.0 | 1822.2 | 1852.5 | 1874.8 | 1895.6 | 1918.7 | 1931.5 | 1946.7 | 1953.1 |
| 1838.1 | 12.5° | 1843.7 | 1860.5 | 1890.8 | 1933.1 | 1953.9 | 1968.2 | 1976.2 | 1973.0 | 1976.2 | 1981.8 |
| 1909.2 | 15°   | 1913.2 | 1931.5 | 1965.8 | 2011.3 | 2025.7 | 2012.9 | 1995.4 | 1979.4 | 1977.0 | 1978.6 |
| 1995.4 | 17.5° | 1995.4 | 2008.9 | 2048.8 | 2087.1 | 2076.8 | 2024.1 | 1985.8 | 1960.2 | 1947.5 | 1943.5 |
| 2105.5 | 20°   | 2110.3 | 2110.3 | 2143.0 | 2167.0 | 2097.5 | 2008.1 | 1948.3 | 1906.8 | 1880.4 | 1869.3 |
| 2255.6 | 22.5° | 2250.0 | 2237.2 | 2258.0 | 2241.2 | 2093.5 | 1963.4 | 1880.4 | 1808.6 | 1768.7 | 1752.7 |
| 2465.5 | 25°   | 2427.2 | 2412.0 | 2406.4 | 2302.6 | 2064.8 | 1892.4 | 1757.5 | 1670.5 | 1635.4 | 1626.6 |
| 2768.0 | 27.5° | 2694.5 | 2656.2 | 2583.6 | 2336.2 | 2012.1 | 1780.7 | 1613.8 | 1533.2 | 1513.3 | 1514.1 |
| 3156.7 | 30°   | 3050.5 | 2973.9 | 2795.9 | 2341.8 | 1925.9 | 1622.6 | 1467.0 | 1409.5 | 1399.9 | 1403.9 |
| 3483.1 | 32.5° | 3380.1 | 3307.5 | 3013.0 | 2316.2 | 1793.4 | 1467.8 | 1335.3 | 1297.0 | 1282.6 | 1287.4 |
| 3732.1 | 35°   | 3638.7 | 3618.8 | 3214.1 | 2280.3 | 1630.6 | 1322.5 | 1217.2 | 1184.4 | 1156.5 | 1150.1 |
| 3966.8 | 37.5° | 3883.0 | 3875.0 | 3365.0 | 2230.0 | 1469.4 | 1219.6 | 1122.2 | 1079.1 | 1038.4 | 1016.0 |
| 4226.2 | 40°   | 4151.1 | 4143.2 | 3463.9 | 2152.6 | 1326.5 | 1130.2 | 1036.8 | 980.1  | 929.8  | 889.1  |
| 4519.9 | 42.5° | 4452.8 | 4405.8 | 3511.0 | 2041.7 | 1205.2 | 1054.3 | 967.4  | 890.7  | 824.5  | 787.0  |
| 4851.9 | 45°   | 4782.5 | 4676.3 | 3510.2 | 1900.4 | 1103.0 | 984.9  | 893.1  | 784.6  | 723.1  | 688.0  |
| 5192.7 | 47.5° | 5132.1 | 4934.9 | 3467.1 | 1743.9 | 1004.1 | 908.3  | 778.2  | 695.2  | 654.5  | 632.9  |
| 5563.1 | 50°   | 5492.8 | 5176.8 | 3393.7 | 1564.4 | 902.7  | 821.3  | 706.4  | 649.7  | 618.6  | 598.6  |
| 5930.2 | 52.5° | 5832.0 | 5396.3 | 3305.1 | 1360.8 | 799.7  | 736.7  | 674.4  | 630.5  | 597.8  | 575.5  |
| 6286.2 | 55°   | 6147.3 | 5585.4 | 3179.8 | 1152.5 | 715.9  | 680.0  | 659.3  | 622.6  | 585.0  | 558.7  |
| 6647.7 | 57.5° | 6427.5 | 5708.3 | 2963.5 | 957.0  | 656.1  | 640.9  | 643.3  | 609.0  | 565.9  | 543.5  |
| 7003.7 | 60°   | 6660.5 | 5798.5 | 2643.5 | 775.8  | 607.4  | 602.6  | 618.6  | 583.4  | 533.2  | 507.6  |
| 7304.6 | 62.5° | 6800.2 | 5796.9 | 2250.8 | 635.3  | 565.9  | 567.5  | 585.8  | 551.5  | 500.4  | 476.5  |
| 7461.9 | 65°   | 6788.2 | 5654.9 | 1819.8 | 543.5  | 526.0  | 527.6  | 551.5  | 516.4  | 473.3  | 458.9  |
| 7382.8 | 67.5° | 6548.0 | 5308.5 | 1396.0 | 483.7  | 482.1  | 489.3  | 517.2  | 492.5  | 456.5  | 454.9  |
| 6911.9 | 70°   | 5897.5 | 4589.3 | 1005.7 | 435.8  | 436.6  | 447.0  | 483.7  | 477.3  | 447.8  | 451.0  |
| 5811.3 | 72.5° | 4729.0 | 3499.1 | 675.2  | 385.5  | 386.3  | 403.1  | 451.7  | 465.3  | 439.0  | 481.3  |
| 4123.2 | 75°   | 3149.5 | 2182.1 | 434.2  | 332.0  | 332.8  | 354.4  | 423.8  | 442.2  | 415.0  | 479.7  |
| 2145.4 | 77.5° | 1513.3 | 980.9  | 314.5  | 279.4  | 279.4  | 299.3  | 366.3  | 395.9  | 353.6  | 372.7  |
| 689.6  | 80°   | 522.8  | 368.7  | 247.4  | 225.1  | 220.3  | 233.9  | 308.9  | 343.2  | 304.9  | 280.9  |
| 225.1  | 82.5° | 205.9  | 191.6  | 198.7  | 174.8  | 158.8  | 167.6  | 240.2  | 283.3  | 224.3  | 202.7  |
| 126.9  | 85°   | 118.1  | 124.5  | 140.5  | 115.7  | 91.8   | 103.0  | 176.4  | 203.5  | 169.2  | 149.3  |
| 41.5   | 87.5° | 31.9   | 43.9   | 64.6   | 59.9   | 41.5   | 43.9   | 83.8   | 112.5  | 97.4   | 75.0   |
| 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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| 180°   |
|--------|
| 1684.9 |
| 1728.0 |
| 1796.6 |
| 1879.6 |
| 1956.3 |
| 1983.4 |
| 1984.2 |
| 1949.1 |
| 1866.9 |
| 1750.3 |
| 1628.2 |
| 1516.5 |
| 1417.5 |
| 1293.8 |
| 1154.9 |
| 1016.8 |
| 893.1  |
| 789.4  |
| 686.4  |
| 628.1  |
| 591.4  |
| 565.9  |
| 548.3  |
| 529.2  |
| 496.4  |
| 469.3  |
| 458.1  |
| 457.3  |
| 450.2  |
| 487.7  |
| 483.7  |
| 341.6  |
| 263.4  |
| 201.9  |
| 152.4  |
| 77.4   |
| 0.0    |