

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: P948582

Luminaire Tested: **GLAN-SB3C-830-U-T2R**

Issue Date: 1/21/2025

**Test Information**

Test Method: LM-79-08  
Report Number: P948582  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-3)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/21/2025  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: GLAN-SB3C-830-U-T2R  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(3) 80 CRI, 3000K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE II  
ROADWAY OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 20565 lumens  
Efficiency: N/A  
Efficacy: 137.9 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')  
IES Classification: Type II - Medium  
BUG Rating: B3 - U0 - G3

Input Watts (W): 149.1  
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



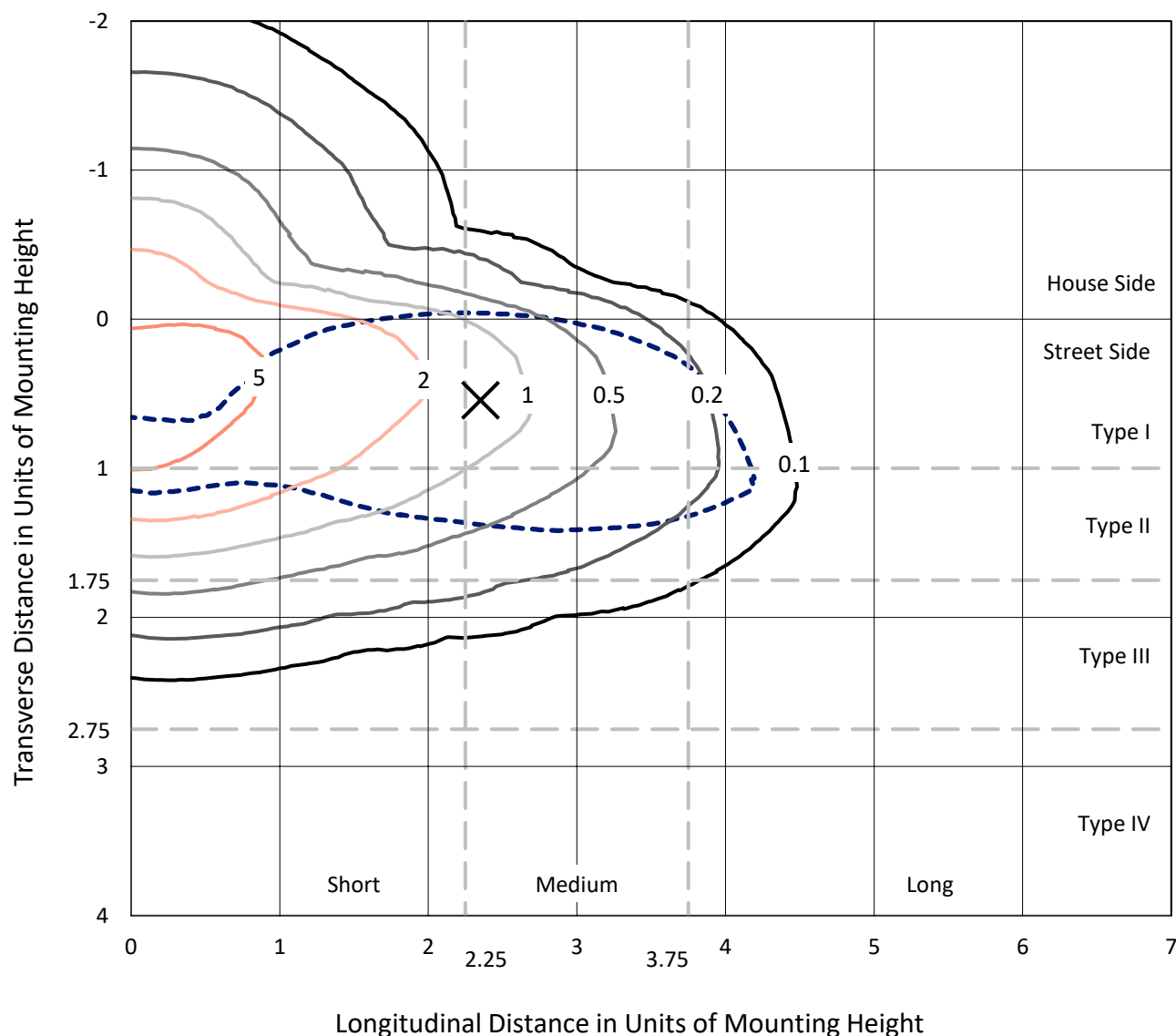
REPORT NUMBER: P948582

CATALOG NUMBER: GLAN-SB3C-830-U-T2R

## Iso-Footcandle Lines of Horizontal Illumination

× Max cd

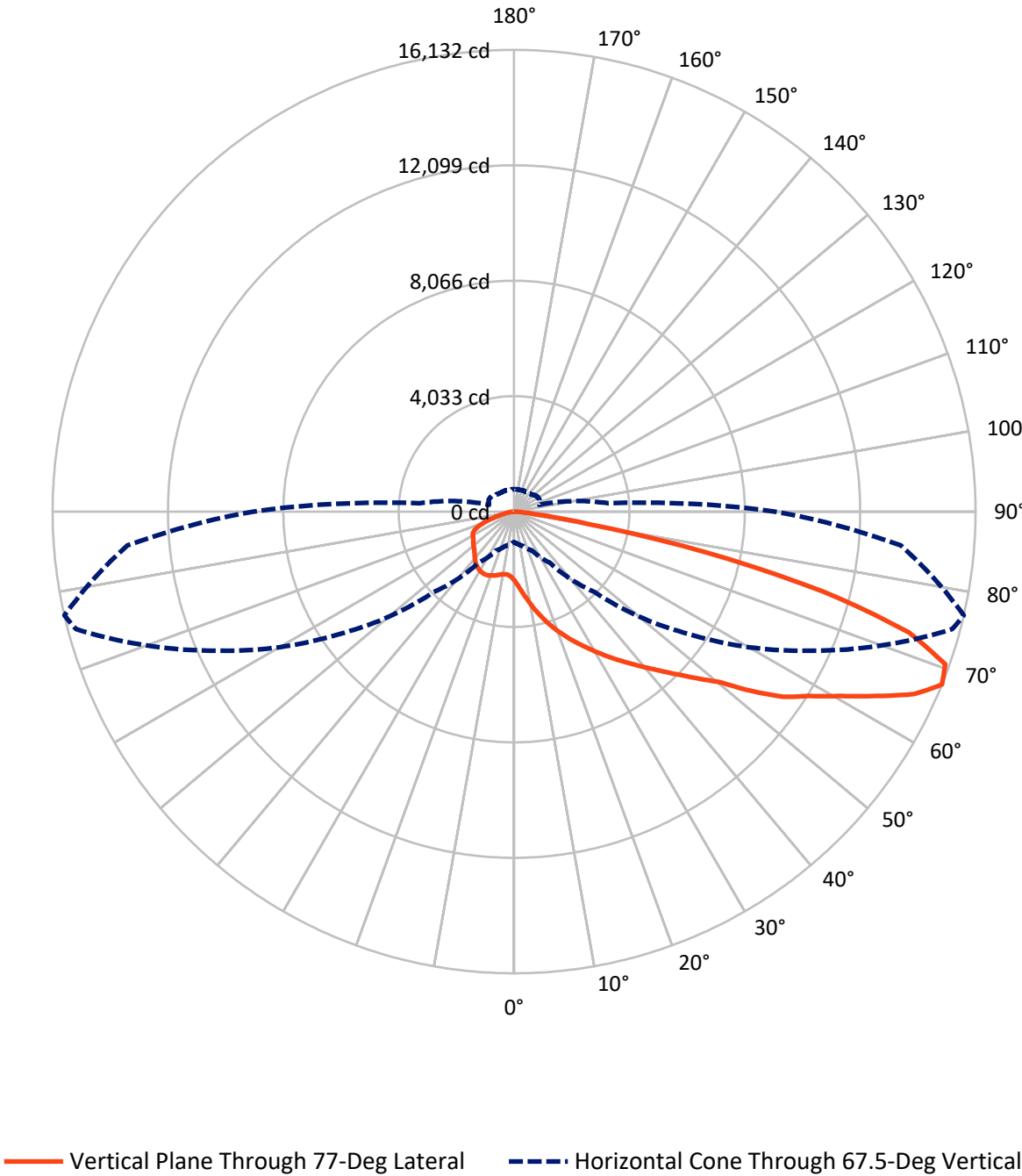
--- 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 7.5 fc  
 Type II - Medium - N/A

REPORT NUMBER: P948582  
CATALOG NUMBER: GLAN-SB3C-830-U-T2R

Luminous Intensity Polar Plot



REPORT NUMBER: P948582

CATALOG NUMBER: GLAN-SB3C-830-U-T2R

**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total   |
|--------------------|-----------|----------|--------|---------|
| <b>House Side</b>  | Lumens    | 3890.1   | 0.0    | 3890.1  |
|                    | % Fixture | 18.9     | 0.0    | 18.9    |
| <b>Street Side</b> | Lumens    | 16674.9  | 0.0    | 16674.9 |
|                    | % Fixture | 81.1     | 0.0    | 81.1    |
| <b>Total</b>       | Lumens    | 20565.0  | 0.0    | 20565.0 |
|                    | % Fixture | 100.0    | 0.0    | 100.0   |

**ZONAL LUMENS:**

| Zone      | Lumens  | % Fixture |
|-----------|---------|-----------|
| 0°-10°    | 258.6   | 1.3       |
| 10°-20°   | 929.2   | 4.5       |
| 20°-30°   | 1754.3  | 8.5       |
| 30°-40°   | 2826.2  | 13.7      |
| 40°-50°   | 3865.8  | 18.8      |
| 50°-60°   | 4360.6  | 21.2      |
| 60°-70°   | 4070.1  | 19.8      |
| 70°-80°   | 2231.1  | 10.8      |
| 80°-90°   | 269.1   | 1.3       |
| 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°    | 20565.0 | 100.0     |
| 0°-180°   | 20565.0 | 100.0     |

**Coefficient of Utilization**



REPORT NUMBER: P948582

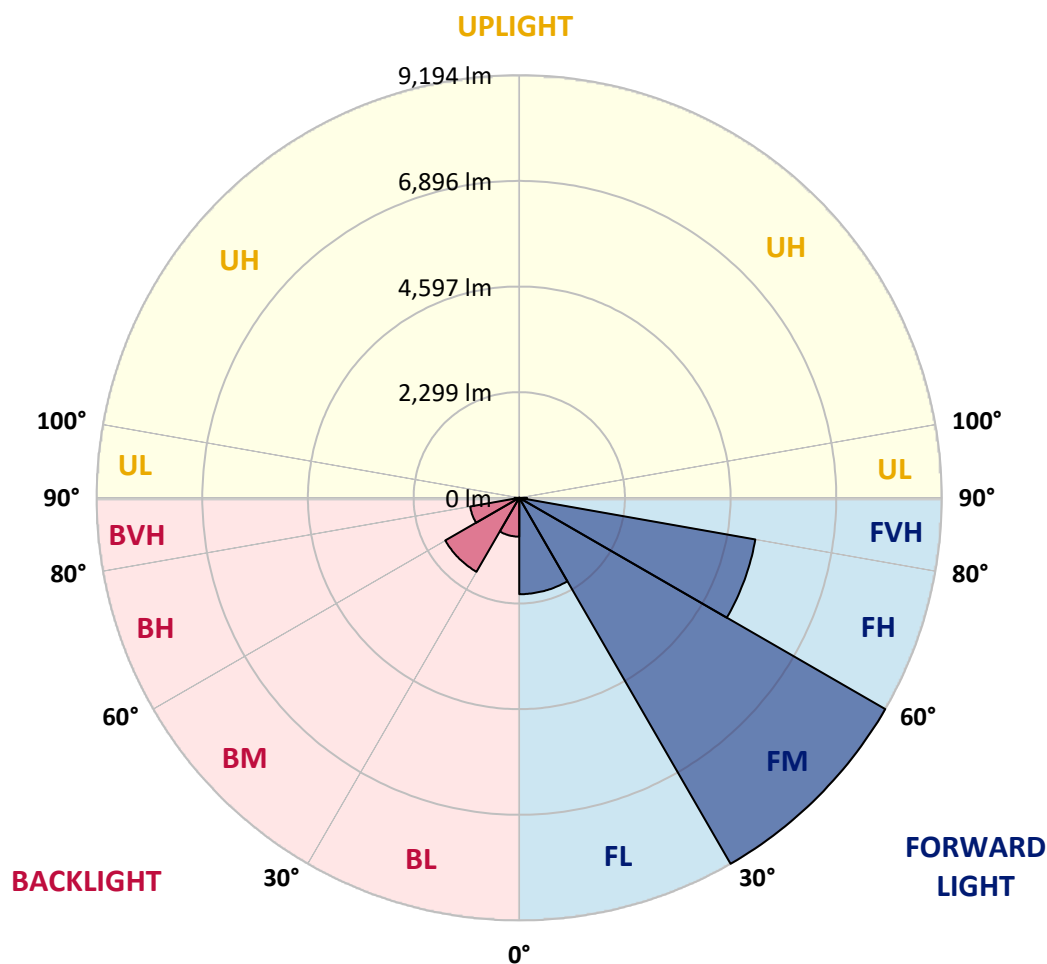
CATALOG NUMBER: GLAN-SB3C-830-U-T2R

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

| Zone |             | Lumens | % Fixture | Zone Rating/Lumen Limit |      |         |
|------|-------------|--------|-----------|-------------------------|------|---------|
|      |             |        |           | B                       | U    | G       |
| FL   | (0°-30°)    | 2096.3 | 10.2      |                         |      |         |
| FM   | (30°-60°)   | 9194.4 | 44.7      |                         |      |         |
| FH   | (60°-80°)   | 5215.9 | 25.4      |                         |      | G3/7500 |
| FVH  | (80°-90°)   | 168.3  | 0.8       |                         |      | G2/225  |
| BL   | (0°-30°)    | 845.8  | 4.1       | B2/1000                 |      |         |
| BM   | (30°-60°)   | 1858.2 | 9.0       | B2/2500                 |      |         |
| BH   | (60°-80°)   | 1085.3 | 5.3       | B3/2500                 |      | G3/2500 |
| BVH  | (80°-90°)   | 100.8  | 0.5       |                         |      | G2/225  |
| UL   | (90°-100°)  | 0.0    | 0.0       |                         | U0/0 |         |
| UH   | (100°-180°) | 0.0    | 0.0       |                         | U0/0 |         |

**BUG Rating: B3-U0-G3**

Type II Medium



REPORT NUMBER: P948582

CATALOG NUMBER: GLAN-SB3C-830-U-T2R

**CANDELA DISTRIBUTION (FULL):**

|       | 0°     | 5°     | 15°    | 25°    | 35°    | 45°    | 55°     | 65°     | 75°     | 77°     |
|-------|--------|--------|--------|--------|--------|--------|---------|---------|---------|---------|
| 0°    | 2412.9 | 2412.9 | 2412.9 | 2412.9 | 2412.9 | 2412.9 | 2412.9  | 2412.9  | 2412.9  | 2412.9  |
| 2.5°  | 3021.2 | 3042.4 | 3015.9 | 3015.9 | 2926.7 | 2880.0 | 2790.8  | 2722.9  | 2600.8  | 2579.6  |
| 5°    | 3571.1 | 3597.6 | 3560.5 | 3544.5 | 3439.4 | 3342.8 | 3193.2  | 3045.6  | 2828.0  | 2805.7  |
| 7.5°  | 3996.8 | 4030.7 | 3997.8 | 3980.8 | 3887.4 | 3779.1 | 3604.0  | 3398.0  | 3091.2  | 3047.7  |
| 10°   | 4343.9 | 4349.2 | 4338.6 | 4344.9 | 4271.7 | 4182.5 | 4003.1  | 3763.2  | 3380.0  | 3320.5  |
| 12.5° | 4540.3 | 4564.7 | 4585.9 | 4624.1 | 4611.4 | 4556.2 | 4394.8  | 4108.2  | 3685.7  | 3609.3  |
| 15°   | 4632.6 | 4675.1 | 4722.9 | 4811.0 | 4882.1 | 4895.9 | 4772.7  | 4478.7  | 3996.8  | 3904.4  |
| 17.5° | 4665.5 | 4705.9 | 4781.2 | 4908.6 | 5061.5 | 5164.5 | 5109.3  | 4838.6  | 4304.6  | 4198.4  |
| 20°   | 4832.2 | 4843.9 | 4889.5 | 5010.5 | 5176.1 | 5347.1 | 5388.5  | 5184.6  | 4609.3  | 4489.3  |
| 22.5° | 5188.9 | 5165.5 | 5178.3 | 5233.5 | 5352.4 | 5518.0 | 5612.4  | 5490.4  | 4922.4  | 4784.4  |
| 25°   | 5778.0 | 5710.1 | 5642.2 | 5578.5 | 5639.0 | 5732.4 | 5839.6  | 5796.1  | 5250.4  | 5075.3  |
| 27.5° | 6522.2 | 6439.4 | 6289.7 | 6080.6 | 6007.3 | 6040.2 | 6088.0  | 6079.5  | 5554.1  | 5376.8  |
| 30°   | 7254.7 | 7158.1 | 6979.7 | 6677.2 | 6484.0 | 6396.9 | 6360.8  | 6336.4  | 5884.2  | 5695.2  |
| 32.5° | 7839.6 | 7763.1 | 7588.0 | 7249.4 | 6969.1 | 6820.5 | 6700.5  | 6613.5  | 6229.2  | 6040.2  |
| 35°   | 8351.2 | 8280.1 | 8079.5 | 7710.1 | 7405.4 | 7247.2 | 7090.1  | 6904.4  | 6588.0  | 6396.9  |
| 37.5° | 8818.3 | 8747.2 | 8472.3 | 8088.0 | 7781.2 | 7671.9 | 7531.7  | 7216.4  | 6947.9  | 6767.4  |
| 40°   | 9113.4 | 9097.5 | 8840.6 | 8405.4 | 8086.9 | 8032.8 | 7986.1  | 7578.4  | 7347.0  | 7179.3  |
| 42.5° | 9188.8 | 9223.8 | 9020.0 | 8662.3 | 8358.7 | 8315.2 | 8424.5  | 7988.2  | 7795.0  | 7634.7  |
| 45°   | 9007.3 | 9108.1 | 8974.4 | 8731.3 | 8551.9 | 8528.5 | 8813.0  | 8436.2  | 8290.7  | 8144.2  |
| 47.5° | 8547.6 | 8718.5 | 8663.3 | 8629.4 | 8603.9 | 8704.7 | 9154.8  | 8911.8  | 8852.3  | 8724.9  |
| 50°   | 7619.8 | 7943.6 | 8040.2 | 8254.6 | 8500.9 | 8841.7 | 9465.9  | 9430.9  | 9508.3  | 9379.9  |
| 52.5° | 6015.8 | 6461.7 | 7022.2 | 7559.3 | 8184.6 | 8796.0 | 9807.7  | 10176.1 | 10503.0 | 10433.0 |
| 55°   | 4966.0 | 5166.6 | 5597.6 | 6582.7 | 7571.0 | 8603.9 | 9961.6  | 10778.0 | 11490.3 | 11427.6 |
| 57.5° | 4159.2 | 4338.6 | 4604.0 | 5426.7 | 6643.2 | 8167.6 | 10057.2 | 11145.3 | 12166.5 | 12160.1 |
| 60°   | 3294.0 | 3484.0 | 3755.8 | 4338.6 | 5559.4 | 7413.9 | 10035.9 | 11563.5 | 13029.5 | 13082.6 |
| 62.5° | 2317.4 | 2526.5 | 2828.0 | 3371.5 | 4452.2 | 6437.3 | 9602.8  | 11866.1 | 14045.4 | 14189.8 |
| 65°   | 1523.3 | 1661.3 | 1888.5 | 2357.7 | 3317.4 | 5181.4 | 8775.9  | 11905.3 | 15132.5 | 15376.6 |
| 67.5° | 1067.9 | 1121.0 | 1254.8 | 1509.5 | 2186.8 | 3973.4 | 7458.5  | 11498.8 | 15857.5 | 16132.4 |
| 70°   | 833.3  | 859.9  | 927.8  | 1029.7 | 1373.7 | 2671.9 | 5715.4  | 10441.5 | 15702.5 | 15989.1 |
| 72.5° | 719.7  | 745.2  | 770.7  | 783.4  | 921.4  | 1649.7 | 3871.5  | 8730.2  | 14242.9 | 14437.1 |
| 75°   | 652.9  | 659.2  | 680.5  | 676.2  | 702.7  | 1070.0 | 2234.6  | 6360.8  | 11237.6 | 11170.7 |
| 77.5° | 548.8  | 557.3  | 592.3  | 587.0  | 624.2  | 731.4  | 1160.3  | 4105.0  | 7285.4  | 6831.1  |
| 80°   | 465.0  | 469.2  | 507.4  | 501.1  | 542.5  | 529.7  | 592.3   | 2092.3  | 3090.2  | 2617.8  |
| 82.5° | 161.4  | 199.6  | 387.5  | 399.1  | 414.0  | 320.6  | 341.8   | 853.5   | 943.7   | 722.9   |
| 85°   | 78.6   | 83.9   | 197.4  | 280.3  | 279.2  | 161.4  | 166.7   | 304.7   | 297.2   | 233.5   |
| 87.5° | 12.7   | 15.9   | 23.4   | 109.3  | 87.0   | 42.5   | 57.3    | 59.4    | 61.6    | 53.1    |
| 90°   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0     | 0.0     | 0.0     | 0.0     |

REPORT NUMBER: P948582

CATALOG NUMBER: GLAN-SB3C-830-U-T2R

**CANDELA DISTRIBUTION (continued):**

| 85°     |       | 90°    | 95°    | 105°   | 115°   | 125°   | 135°   | 145°   | 155°   | 165°   | 175°   |
|---------|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 2412.9  | 0°    | 2412.9 | 2412.9 | 2412.9 | 2412.9 | 2412.9 | 2412.9 | 2412.9 | 2412.9 | 2412.9 | 2412.9 |
| 2498.9  | 2.5°  | 2439.5 | 2386.4 | 2274.9 | 2171.9 | 2091.3 | 2013.8 | 1970.2 | 1933.1 | 1911.9 | 1907.6 |
| 2615.7  | 5°    | 2505.3 | 2395.9 | 2193.2 | 2022.3 | 1910.8 | 1828.0 | 1784.5 | 1756.9 | 1743.1 | 1734.6 |
| 2772.8  | 7.5°  | 2599.7 | 2439.5 | 2150.7 | 1956.4 | 1839.7 | 1780.2 | 1757.9 | 1753.7 | 1752.6 | 1753.7 |
| 2962.8  | 10°   | 2730.3 | 2510.6 | 2146.5 | 1940.5 | 1842.9 | 1810.0 | 1808.9 | 1810.0 | 1814.2 | 1815.3 |
| 3169.8  | 12.5° | 2871.5 | 2583.8 | 2163.4 | 1954.3 | 1883.2 | 1865.2 | 1862.0 | 1860.9 | 1864.1 | 1866.2 |
| 3378.9  | 15°   | 3025.4 | 2680.4 | 2192.1 | 1984.0 | 1927.8 | 1908.7 | 1905.5 | 1899.1 | 1898.1 | 1897.0 |
| 3598.7  | 17.5° | 3183.6 | 2776.0 | 2224.0 | 2015.9 | 1956.4 | 1929.9 | 1918.2 | 1903.4 | 1891.7 | 1888.5 |
| 3825.8  | 20°   | 3343.9 | 2870.4 | 2246.2 | 2031.8 | 1958.6 | 1921.4 | 1898.1 | 1872.6 | 1852.4 | 1840.7 |
| 4055.1  | 22.5° | 3514.8 | 2969.2 | 2260.0 | 2027.6 | 1939.5 | 1888.5 | 1846.0 | 1816.3 | 1785.5 | 1765.4 |
| 4286.6  | 25°   | 3681.5 | 3055.2 | 2259.0 | 2005.3 | 1902.3 | 1837.6 | 1783.4 | 1745.2 | 1702.7 | 1681.5 |
| 4525.4  | 27.5° | 3841.8 | 3132.6 | 2232.4 | 1966.0 | 1849.2 | 1777.0 | 1712.3 | 1666.6 | 1625.2 | 1605.1 |
| 4766.4  | 30°   | 4007.4 | 3197.4 | 2191.0 | 1908.7 | 1786.6 | 1707.0 | 1635.9 | 1596.6 | 1559.4 | 1540.3 |
| 5021.2  | 32.5° | 4171.9 | 3256.8 | 2132.7 | 1837.6 | 1714.4 | 1638.0 | 1567.9 | 1531.8 | 1509.5 | 1509.5 |
| 5295.0  | 35°   | 4346.0 | 3298.2 | 2055.2 | 1754.7 | 1638.0 | 1564.7 | 1509.5 | 1488.3 | 1486.2 | 1473.4 |
| 5584.8  | 37.5° | 4529.7 | 3324.8 | 1960.7 | 1669.8 | 1562.6 | 1493.6 | 1476.6 | 1451.1 | 1429.9 | 1402.3 |
| 5903.3  | 40°   | 4722.9 | 3351.3 | 1847.1 | 1581.7 | 1483.0 | 1444.8 | 1437.3 | 1403.4 | 1342.9 | 1274.9 |
| 6264.2  | 42.5° | 4957.5 | 3369.4 | 1729.3 | 1493.6 | 1399.1 | 1386.4 | 1397.0 | 1338.6 | 1242.0 | 1191.1 |
| 6699.5  | 45°   | 5229.2 | 3399.1 | 1621.0 | 1406.6 | 1313.1 | 1313.1 | 1357.7 | 1281.3 | 1201.7 | 1169.8 |
| 7196.3  | 47.5° | 5581.7 | 3468.1 | 1520.1 | 1311.0 | 1233.5 | 1254.8 | 1270.7 | 1212.3 | 1167.7 | 1128.4 |
| 7801.4  | 50°   | 6091.2 | 3633.7 | 1416.1 | 1214.4 | 1173.0 | 1215.5 | 1193.2 | 1159.2 | 1107.2 | 1075.4 |
| 8763.1  | 52.5° | 6723.9 | 3731.4 | 1323.8 | 1127.4 | 1121.0 | 1163.5 | 1131.6 | 1099.8 | 1060.5 | 1018.0 |
| 9492.4  | 55°   | 7154.9 | 3749.4 | 1246.3 | 1063.7 | 1086.0 | 1081.7 | 1070.0 | 1041.4 | 1020.2 | 963.9  |
| 10212.2 | 57.5° | 7636.8 | 3785.5 | 1182.6 | 1025.5 | 1063.7 | 1017.0 | 1012.7 | 988.3  | 960.7  | 922.5  |
| 11090.1 | 60°   | 8213.2 | 3841.8 | 1127.4 | 1010.6 | 1044.6 | 974.5  | 953.3  | 943.7  | 916.1  | 897.0  |
| 12146.3 | 62.5° | 8841.7 | 3892.7 | 1071.1 | 1012.7 | 1022.3 | 933.1  | 901.3  | 898.1  | 881.1  | 874.7  |
| 13137.8 | 65°   | 9270.6 | 3753.7 | 1001.0 | 1010.6 | 987.2  | 890.6  | 850.3  | 849.2  | 835.4  | 833.3  |
| 13567.7 | 67.5° | 9120.9 | 3313.1 | 906.6  | 980.9  | 951.2  | 848.2  | 803.6  | 799.4  | 781.3  | 782.4  |
| 13118.7 | 70°   | 8371.4 | 2684.7 | 776.0  | 907.6  | 906.6  | 810.0  | 754.8  | 741.0  | 716.5  | 720.8  |
| 11406.4 | 72.5° | 6965.9 | 1989.4 | 600.8  | 785.6  | 835.4  | 774.9  | 698.5  | 676.2  | 645.4  | 649.7  |
| 8420.3  | 75°   | 5030.7 | 1352.4 | 437.4  | 597.7  | 727.2  | 733.5  | 643.3  | 605.1  | 567.9  | 574.3  |
| 4686.8  | 77.5° | 2574.3 | 766.4  | 321.7  | 411.9  | 571.1  | 666.7  | 593.4  | 542.5  | 534.0  | 593.4  |
| 1351.4  | 80°   | 839.7  | 384.3  | 222.9  | 288.7  | 374.7  | 545.6  | 520.2  | 461.8  | 459.7  | 473.5  |
| 283.4   | 82.5° | 250.5  | 162.4  | 143.3  | 190.0  | 207.0  | 418.3  | 449.0  | 349.3  | 300.4  | 316.3  |
| 94.5    | 85°   | 86.0   | 78.6   | 81.7   | 94.5   | 98.7   | 245.2  | 314.2  | 231.4  | 218.7  | 241.0  |
| 21.2    | 87.5° | 20.2   | 27.6   | 23.4   | 21.2   | 21.2   | 59.4   | 122.1  | 96.6   | 133.8  | 89.2   |
| 0.0     | 90°   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |

(END O

| 180°   |
|--------|
| 2412.9 |
| 1907.6 |
| 1733.5 |
| 1756.9 |
| 1816.3 |
| 1867.3 |
| 1895.9 |
| 1891.7 |
| 1845.0 |
| 1766.4 |
| 1681.5 |
| 1604.0 |
| 1539.3 |
| 1510.6 |
| 1470.3 |
| 1398.1 |
| 1265.4 |
| 1192.1 |
| 1175.1 |
| 1127.4 |
| 1072.2 |
| 1009.5 |
| 965.0  |
| 909.8  |
| 902.3  |
| 874.7  |
| 832.3  |
| 782.4  |
| 725.0  |
| 648.6  |
| 576.4  |
| 584.9  |
| 406.6  |
| 327.0  |
| 237.8  |
| 86.0   |
| 0.0    |