

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: P953047

Luminaire Tested: **GLAN-SB6D-722-U-SL2**

Issue Date: 1/21/2025

### Test Information

Test Method: LM-79-08  
Report Number: P953047  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-10)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/21/2025  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: GLAN-SB6D-722-U-SL2  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(6) 70 CRI, 2200K, 900mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE II SPILL  
LIGHT ELIMINATOR OPTICS  
Light Source: -  
Ballast/Driver: -

### Summary

Lumens per Lamp: N/A  
Luminaire Lumens: 50668 lumens  
Efficiency: N/A  
Efficacy: 115.1 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')  
IES Classification: Type II - Medium  
BUG Rating: B4 - U0 - G5  
  
Input Watts (W): 440.1  
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



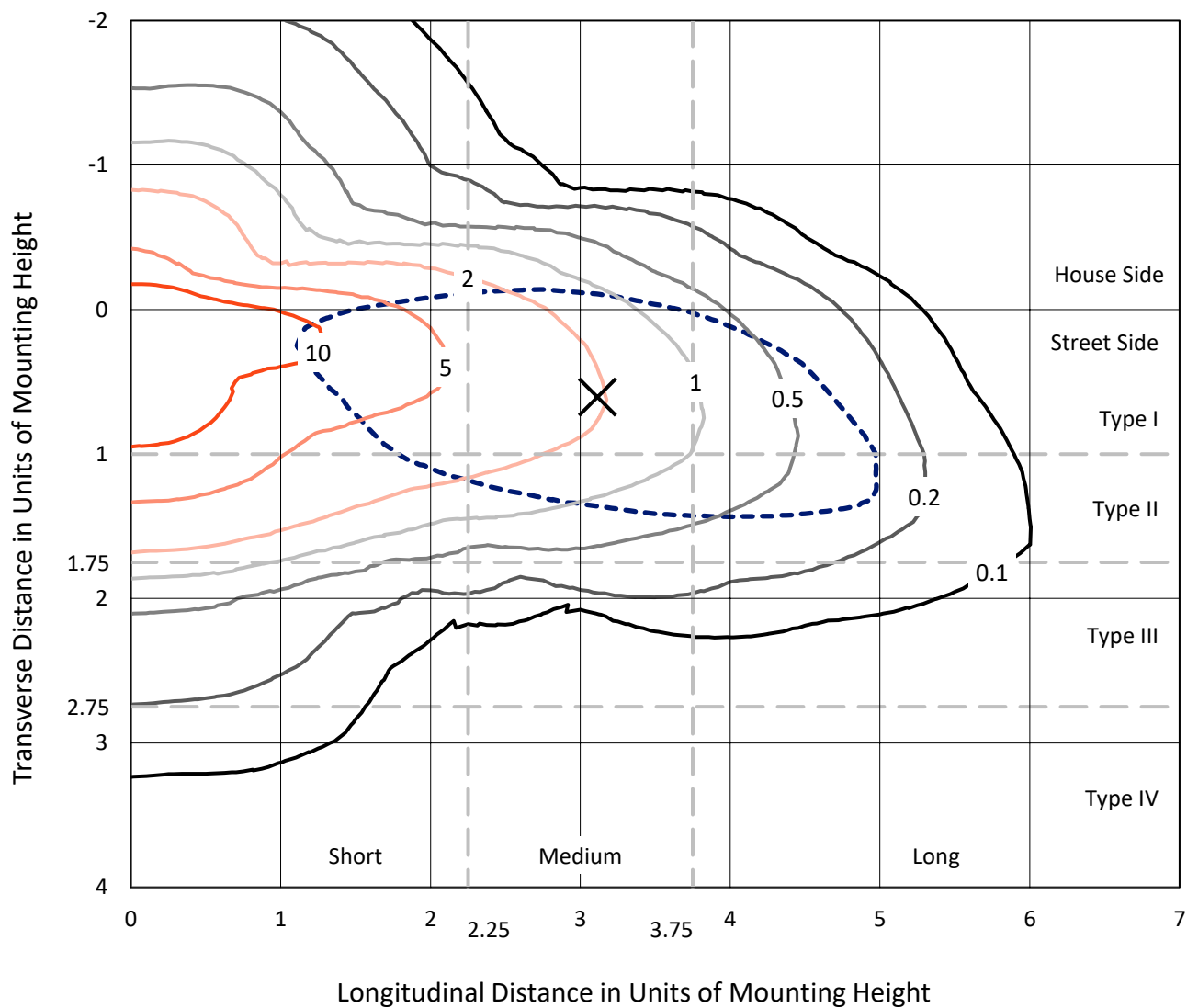
REPORT NUMBER: P953047

CATALOG NUMBER: GLAN-SB6D-722-U-SL2

## Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd

--- 1/2 Max cd

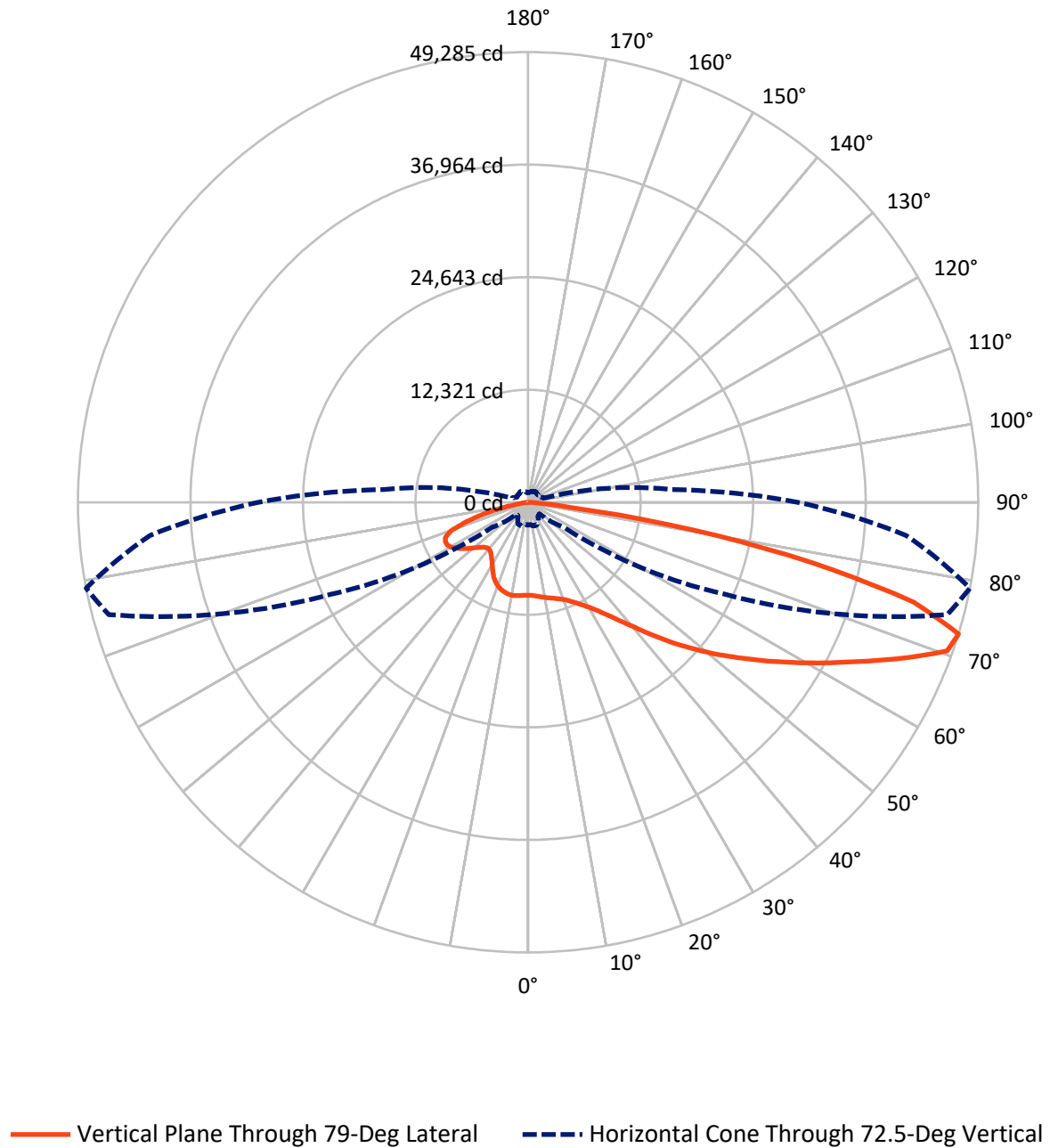


Based on 25 foot mounting height. Maximum calculated value = 16.3 fc  
Type II - Medium - N/A

REPORT NUMBER: P953047

CATALOG NUMBER: GLAN-SB6D-722-U-SL2

## Luminous Intensity Polar Plot



REPORT NUMBER: P953047

CATALOG NUMBER: GLAN-SB6D-722-U-SL2

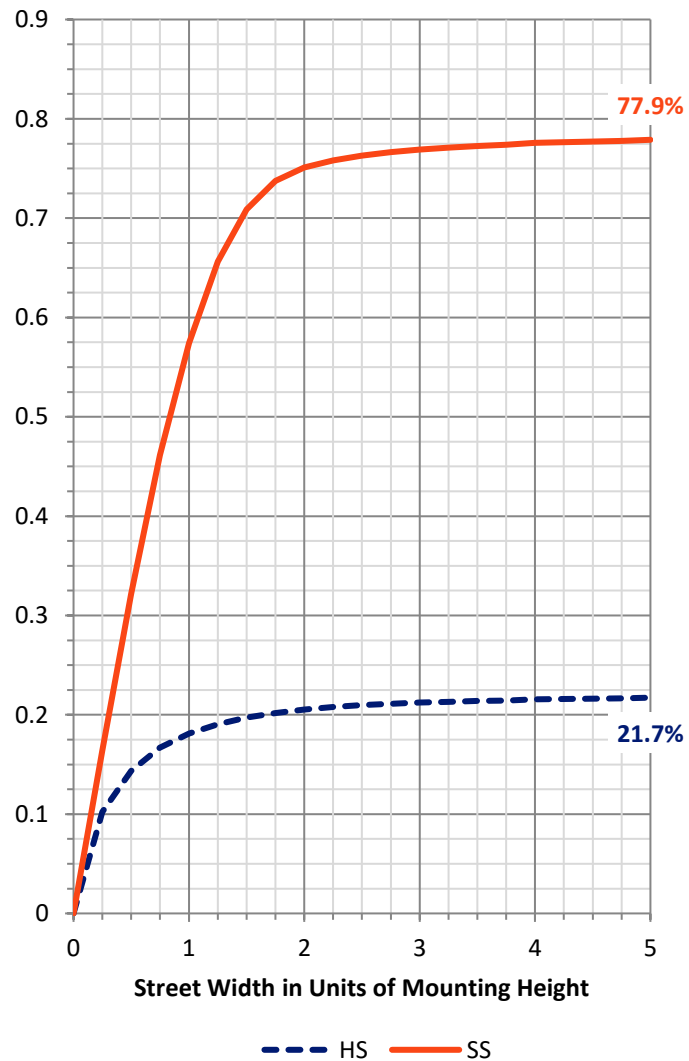
**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total   |
|--------------------|-----------|----------|--------|---------|
| <b>House Side</b>  | Lumens    | 11149.7  | 0.0    | 11149.7 |
|                    | % Fixture | 22.0     | 0.0    | 22.0    |
| <b>Street Side</b> | Lumens    | 39518.3  | 0.0    | 39518.3 |
|                    | % Fixture | 78.0     | 0.0    | 78.0    |
| <b>Total</b>       | Lumens    | 50668.0  | 0.0    | 50668.0 |
|                    | % Fixture | 100.0    | 0.0    | 100.0   |

**ZONAL LUMENS:**

| Zone      | Lumens  | % Fixture |
|-----------|---------|-----------|
| 0°-10°    | 923.2   | 1.8       |
| 10°-20°   | 2413.8  | 4.8       |
| 20°-30°   | 3894.9  | 7.7       |
| 30°-40°   | 5845.7  | 11.5      |
| 40°-50°   | 8292.5  | 16.4      |
| 50°-60°   | 10472.3 | 20.7      |
| 60°-70°   | 10636.1 | 21.0      |
| 70°-80°   | 7248.9  | 14.3      |
| 80°-90°   | 940.5   | 1.9       |
| 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°    | 50668.0 | 100.0     |
| 0°-180°   | 50668.0 | 100.0     |

**Coefficient of Utilization**



REPORT NUMBER: P953047

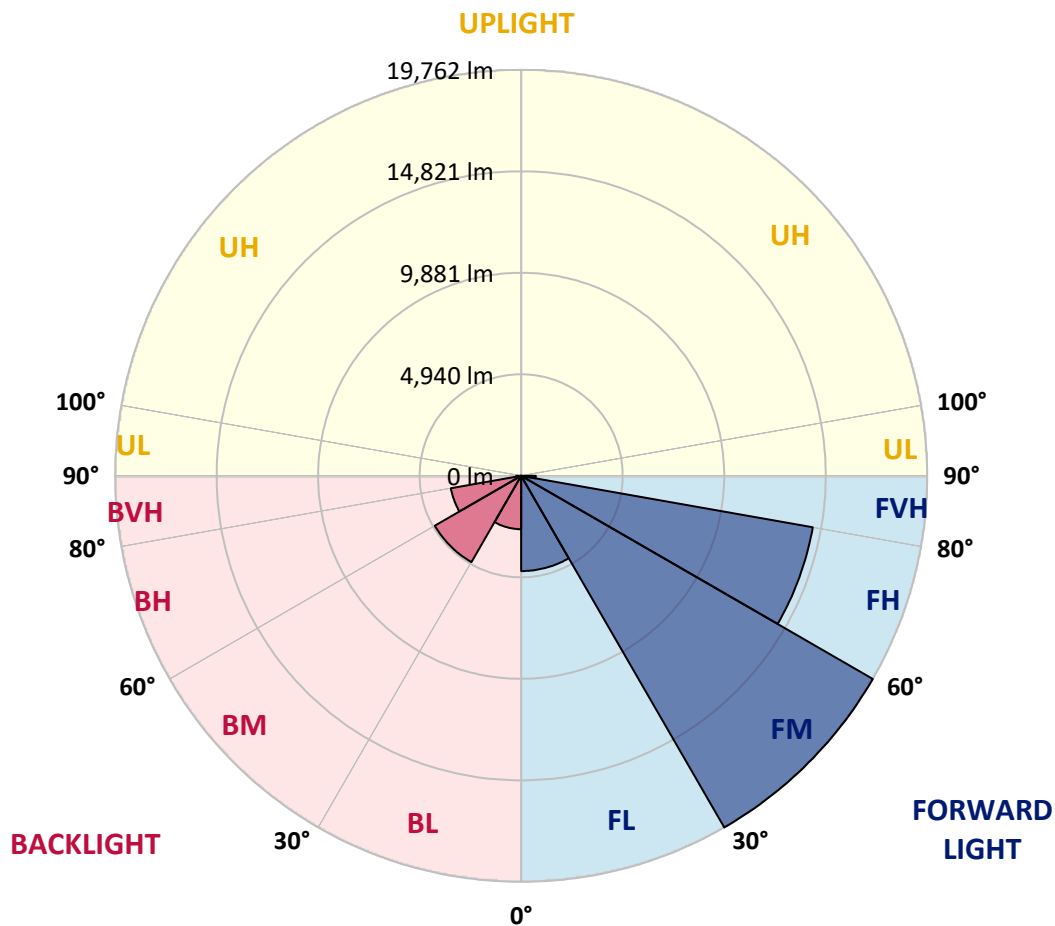
CATALOG NUMBER: GLAN-SB6D-722-U-SL2

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

| Zone |             | Lumens  | % Fixture | Zone Rating/Lumen Limit |      |         |
|------|-------------|---------|-----------|-------------------------|------|---------|
|      |             |         |           | B                       | U    | G       |
| FL   | (0°-30°)    | 4634.9  | 9.1       |                         |      |         |
| FM   | (30°-60°)   | 19761.6 | 39.0      |                         |      |         |
| FH   | (60°-80°)   | 14413.3 | 28.4      |                         |      | G5      |
| FVH  | (80°-90°)   | 708.5   | 1.4       |                         |      | G4/750  |
| BL   | (0°-30°)    | 2597.1  | 5.1       | B4/5000                 |      |         |
| BM   | (30°-60°)   | 4849.0  | 9.6       | B3/5000                 |      |         |
| BH   | (60°-80°)   | 3471.7  | 6.9       | B4/5000                 |      | G4/5000 |
| BVH  | (80°-90°)   | 232.0   | 0.5       |                         |      | G3/500  |
| UL   | (90°-100°)  | 0.0     | 0.0       |                         | U0/0 |         |
| UH   | (100°-180°) | 0.0     | 0.0       |                         | U0/0 |         |

**BUG Rating: B4-U0-G5**

Type II Medium



REPORT NUMBER: P953047

CATALOG NUMBER: GLAN-SB6D-722-U-SL2

**CANDELA DISTRIBUTION (FULL):**

|       | 0°      | 5°      | 15°     | 25°     | 35°     | 45°     | 55°     | 65°     | 75°     | 79°     |
|-------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 0°    | 10171.1 | 10171.1 | 10171.1 | 10171.1 | 10171.1 | 10171.1 | 10171.1 | 10171.1 | 10171.1 | 10171.1 |
| 2.5°  | 10176.5 | 10128.2 | 10157.7 | 10147.0 | 10160.4 | 10176.5 | 10181.8 | 10189.9 | 10216.7 | 10214.0 |
| 5°    | 10155.0 | 10106.8 | 10147.0 | 10133.6 | 10168.4 | 10206.0 | 10238.1 | 10267.6 | 10310.5 | 10329.2 |
| 7.5°  | 10109.5 | 10077.3 | 10117.5 | 10157.7 | 10222.0 | 10278.3 | 10323.9 | 10390.9 | 10452.5 | 10463.3 |
| 10°   | 9844.1  | 9820.0  | 9913.8  | 10018.4 | 10195.2 | 10348.0 | 10447.2 | 10524.9 | 10591.9 | 10602.6 |
| 12.5° | 9568.1  | 9538.6  | 9643.1  | 9785.2  | 10072.0 | 10348.0 | 10557.1 | 10658.9 | 10717.9 | 10752.7 |
| 15°   | 9522.5  | 9498.4  | 9557.4  | 9680.7  | 9919.2  | 10275.6 | 10632.1 | 10819.7 | 10870.6 | 10910.8 |
| 17.5° | 9742.3  | 9696.7  | 9720.9  | 9763.7  | 9903.1  | 10208.6 | 10691.1 | 11002.0 | 11079.7 | 11122.6 |
| 20°   | 10251.5 | 10187.2 | 10149.7 | 10063.9 | 10039.8 | 10219.4 | 10685.7 | 11221.7 | 11323.6 | 11377.2 |
| 22.5° | 10929.6 | 10886.7 | 10806.3 | 10589.2 | 10353.4 | 10350.7 | 10787.6 | 11503.1 | 11693.4 | 11744.4 |
| 25°   | 11749.7 | 11685.4 | 11583.6 | 11288.7 | 10835.8 | 10610.7 | 10959.1 | 11862.3 | 12181.2 | 12194.6 |
| 27.5° | 12693.1 | 12596.6 | 12457.3 | 12068.7 | 11457.6 | 11018.0 | 11221.7 | 12275.0 | 12741.4 | 12736.0 |
| 30°   | 13687.5 | 13591.0 | 13443.6 | 12971.9 | 12202.7 | 11567.5 | 11586.2 | 12719.9 | 13406.0 | 13376.6 |
| 32.5° | 14413.8 | 14341.4 | 14311.9 | 13947.4 | 13060.3 | 12216.1 | 12004.3 | 13213.1 | 14226.2 | 14199.4 |
| 35°   | 14971.2 | 14877.4 | 14912.3 | 14727.4 | 13995.7 | 12942.4 | 12516.2 | 13800.0 | 15223.2 | 15220.5 |
| 37.5° | 15523.4 | 15440.3 | 15469.7 | 15346.5 | 14861.4 | 13864.3 | 13140.7 | 14518.3 | 16458.7 | 16517.7 |
| 40°   | 16027.2 | 15938.8 | 16056.7 | 15941.5 | 15534.1 | 14845.3 | 13850.9 | 15330.4 | 17889.9 | 18002.5 |
| 42.5° | 16330.1 | 16260.4 | 16456.0 | 16458.7 | 16118.3 | 15673.4 | 14630.9 | 16225.5 | 19546.2 | 19798.2 |
| 45°   | 16434.6 | 16410.5 | 16705.3 | 16766.9 | 16635.6 | 16153.2 | 15333.1 | 17201.1 | 21331.2 | 21781.5 |
| 47.5° | 16322.0 | 16276.5 | 16683.9 | 16911.7 | 17016.2 | 16378.3 | 15914.7 | 18257.1 | 23153.7 | 23813.0 |
| 50°   | 15753.8 | 15665.4 | 16271.1 | 16750.9 | 17123.4 | 16525.7 | 16501.6 | 19476.6 | 25225.4 | 25946.4 |
| 52.5° | 14732.7 | 14665.7 | 15354.5 | 16188.0 | 16887.5 | 16598.1 | 17160.9 | 20808.6 | 27192.7 | 28125.4 |
| 55°   | 13427.5 | 13339.0 | 14097.5 | 15185.7 | 16300.6 | 16574.0 | 17820.2 | 22298.7 | 29513.7 | 30459.8 |
| 57.5° | 11358.4 | 11181.5 | 12141.0 | 13427.5 | 15343.8 | 16544.5 | 18506.3 | 23780.9 | 31872.2 | 33005.9 |
| 60°   | 8340.6  | 8077.9  | 9254.5  | 10779.5 | 13473.0 | 16257.7 | 19355.9 | 25442.5 | 34702.4 | 35723.5 |
| 62.5° | 4856.4  | 4703.6  | 5472.8  | 6896.0  | 10155.0 | 14569.2 | 19833.0 | 27374.9 | 37484.4 | 38556.4 |
| 65°   | 3771.0  | 3728.1  | 3795.1  | 3905.0  | 5652.4  | 10908.2 | 18361.6 | 29259.1 | 41022.2 | 41772.6 |
| 67.5° | 3449.3  | 3417.2  | 3446.7  | 3240.3  | 2867.7  | 6075.9  | 14526.3 | 29736.1 | 44811.9 | 45267.5 |
| 70°   | 3066.1  | 3028.6  | 3125.0  | 2948.2  | 2256.7  | 2763.2  | 9385.8  | 28004.7 | 47827.0 | 48682.0 |
| 72.5° | 2497.9  | 2455.0  | 2680.1  | 2599.7  | 1900.2  | 1774.3  | 4714.4  | 23890.7 | 47510.8 | 49285.0 |
| 75°   | 1919.0  | 1894.9  | 2162.9  | 2229.9  | 1549.1  | 1396.4  | 2262.0  | 17758.6 | 41810.1 | 43597.8 |
| 77.5° | 1490.2  | 1471.4  | 1608.1  | 1852.0  | 1248.9  | 1082.8  | 1391.0  | 11264.6 | 31507.7 | 31821.3 |
| 80°   | 1117.6  | 1064.0  | 1190.0  | 1433.9  | 972.9   | 790.6   | 943.4   | 6569.0  | 19916.1 | 18053.4 |
| 82.5° | 699.5   | 672.7   | 777.2   | 956.8   | 686.1   | 544.1   | 613.8   | 3628.9  | 7981.4  | 4701.0  |
| 85°   | 399.3   | 388.6   | 423.5   | 546.7   | 372.5   | 313.6   | 351.1   | 1602.7  | 1458.0  | 1002.4  |
| 87.5° | 160.8   | 155.4   | 193.0   | 243.9   | 136.7   | 115.2   | 123.3   | 385.9   | 321.6   | 297.5   |
| 90°   | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     |

REPORT NUMBER: P953047

CATALOG NUMBER: GLAN-SB6D-722-U-SL2

**CANDELA DISTRIBUTION (continued):**

| 85°     |       | 90°     | 95°     | 105°    | 115°    | 125°    | 135°    | 145°    | 155°    | 165°    | 175°    |
|---------|-------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 10171.1 | 0°    | 10171.1 | 10171.1 | 10171.1 | 10171.1 | 10171.1 | 10171.1 | 10171.1 | 10171.1 | 10171.1 | 10171.1 |
| 10211.3 | 2.5°  | 10200.6 | 10200.6 | 10163.1 | 10104.1 | 10037.1 | 9994.2  | 9924.5  | 9905.8  | 9833.4  | 9812.0  |
| 10302.4 | 5°    | 10323.9 | 10302.4 | 10187.2 | 10021.0 | 9793.2  | 9584.2  | 9353.7  | 9209.0  | 9005.3  | 8932.9  |
| 10482.0 | 7.5°  | 10479.3 | 10420.4 | 10222.0 | 9857.5  | 9380.5  | 8911.5  | 8423.7  | 8053.8  | 7700.0  | 7574.1  |
| 10629.4 | 10°   | 10621.4 | 10538.3 | 10200.6 | 9562.7  | 8737.2  | 7925.2  | 7147.9  | 6603.9  | 6191.1  | 6022.3  |
| 10792.9 | 12.5° | 10763.4 | 10610.7 | 10058.6 | 9072.3  | 7823.3  | 6721.8  | 5893.6  | 5470.2  | 5215.5  | 5011.9  |
| 10926.9 | 15°   | 10897.4 | 10683.0 | 9838.8  | 8415.6  | 6820.9  | 5703.3  | 5092.3  | 4754.6  | 4550.9  | 4416.9  |
| 11122.6 | 17.5° | 11052.9 | 10744.7 | 9509.1  | 7582.1  | 5866.8  | 4998.5  | 4499.9  | 4296.3  | 4256.1  | 4240.0  |
| 11390.6 | 20°   | 11270.0 | 10801.0 | 9074.9  | 6649.4  | 5164.6  | 4435.6  | 4178.3  | 4159.6  | 4156.9  | 4148.9  |
| 11712.2 | 22.5° | 11503.1 | 10868.0 | 8501.4  | 5802.5  | 4567.0  | 4084.5  | 4039.0  | 4001.4  | 3977.3  | 3974.6  |
| 12100.8 | 25°   | 11779.2 | 10889.4 | 7783.1  | 5108.3  | 4057.7  | 3918.4  | 3864.8  | 3808.5  | 3792.4  | 3792.4  |
| 12543.0 | 27.5° | 12047.2 | 10817.0 | 6946.9  | 4505.3  | 3771.0  | 3765.6  | 3695.9  | 3677.1  | 3674.5  | 3682.5  |
| 13046.9 | 30°   | 12315.2 | 10680.3 | 6116.1  | 3947.8  | 3604.8  | 3604.8  | 3580.7  | 3594.1  | 3604.8  | 3631.6  |
| 13738.4 | 32.5° | 12677.0 | 10535.6 | 5421.9  | 3535.1  | 3460.1  | 3433.3  | 3457.4  | 3484.2  | 3494.9  | 3529.7  |
| 14646.9 | 35°   | 13207.7 | 10433.8 | 4869.8  | 3310.0  | 3310.0  | 3275.1  | 3288.5  | 3283.2  | 3259.0  | 3243.0  |
| 15745.8 | 37.5° | 13909.9 | 10428.4 | 4414.2  | 3205.4  | 3184.0  | 3178.6  | 3181.3  | 3146.5  | 3052.7  | 2940.1  |
| 17075.2 | 40°   | 14754.2 | 10573.1 | 4063.1  | 3133.1  | 3117.0  | 3149.2  | 3133.1  | 3039.3  | 2782.0  | 2586.3  |
| 18710.0 | 42.5° | 15887.9 | 10985.9 | 3838.0  | 3044.6  | 3092.9  | 3133.1  | 3068.8  | 2744.5  | 2570.3  | 2438.9  |
| 20572.7 | 45°   | 17222.6 | 11655.9 | 3722.7  | 2950.8  | 3047.3  | 3095.6  | 2784.7  | 2642.6  | 2503.2  | 2345.1  |
| 22604.3 | 47.5° | 18734.2 | 12500.2 | 3695.9  | 2862.4  | 2945.5  | 2975.0  | 2664.1  | 2599.7  | 2441.6  | 2270.1  |
| 24646.5 | 50°   | 20379.8 | 13499.8 | 3768.3  | 2757.9  | 2798.1  | 2696.2  | 2623.9  | 2564.9  | 2401.4  | 2232.6  |
| 26739.7 | 52.5° | 22081.6 | 14601.4 | 3913.0  | 2615.8  | 2650.7  | 2538.1  | 2607.8  | 2556.9  | 2377.3  | 2149.5  |
| 28902.6 | 55°   | 23754.1 | 15711.0 | 4052.4  | 2449.6  | 2500.6  | 2396.0  | 2562.2  | 2524.7  | 2267.4  | 2010.1  |
| 31210.2 | 57.5° | 25453.3 | 16815.2 | 4189.1  | 2302.2  | 2355.8  | 2259.4  | 2489.8  | 2438.9  | 2144.1  | 1881.5  |
| 33729.5 | 60°   | 27219.5 | 17887.2 | 4253.4  | 2160.2  | 2197.7  | 2133.4  | 2380.0  | 2291.5  | 2004.7  | 1750.1  |
| 36206.0 | 62.5° | 28873.1 | 18779.7 | 4148.9  | 2018.1  | 2042.3  | 2015.5  | 2235.2  | 2117.3  | 1865.4  | 1602.7  |
| 38786.9 | 65°   | 30532.1 | 19310.4 | 3827.2  | 1878.8  | 1884.1  | 1870.7  | 2031.5  | 1929.7  | 1701.9  | 1474.1  |
| 41046.3 | 67.5° | 32035.7 | 19607.9 | 3315.3  | 1728.7  | 1715.3  | 1709.9  | 1841.3  | 1726.0  | 1543.8  | 1345.4  |
| 42764.3 | 70°   | 32354.6 | 18852.1 | 2532.7  | 1551.8  | 1551.8  | 1538.4  | 1632.2  | 1514.3  | 1369.5  | 1208.7  |
| 41534.1 | 72.5° | 29551.2 | 15858.4 | 1798.4  | 1350.8  | 1372.2  | 1345.4  | 1423.2  | 1324.0  | 1192.7  | 1085.5  |
| 35795.9 | 75°   | 23829.1 | 11629.1 | 1307.9  | 1144.4  | 1181.9  | 1136.4  | 1208.7  | 1139.1  | 1026.5  | 1023.8  |
| 24668.0 | 77.5° | 16373.0 | 7190.8  | 948.8   | 943.4   | 970.2   | 911.2   | 994.3   | 956.8   | 855.0   | 809.4   |
| 10736.6 | 80°   | 6987.1  | 2867.7  | 691.5   | 729.0   | 729.0   | 675.4   | 771.9   | 782.6   | 694.2   | 672.7   |
| 2071.7  | 82.5° | 1391.0  | 814.8   | 485.1   | 501.2   | 471.7   | 455.6   | 546.7   | 605.7   | 836.2   | 930.0   |
| 624.5   | 85°   | 418.1   | 300.2   | 292.1   | 273.4   | 241.2   | 243.9   | 321.6   | 608.4   | 750.4   | 428.8   |
| 206.4   | 87.5° | 115.2   | 75.0    | 77.7    | 61.6    | 50.9    | 67.0    | 109.9   | 461.0   | 251.9   | 107.2   |
| 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°    |
|---------|
| 10171.1 |
| 9846.8  |
| 8986.5  |
| 7590.1  |
| 6059.8  |
| 5078.9  |
| 4441.0  |
| 4250.7  |
| 4175.7  |
| 4004.1  |
| 3808.5  |
| 3703.9  |
| 3650.3  |
| 3559.2  |
| 3280.5  |
| 2942.8  |
| 2581.0  |
| 2433.6  |
| 2334.4  |
| 2256.7  |
| 2213.8  |
| 2133.4  |
| 1996.7  |
| 1876.1  |
| 1742.1  |
| 1600.0  |
| 1458.0  |
| 1329.3  |
| 1203.4  |
| 1053.3  |
| 922.0   |
| 758.5   |
| 672.7   |
| 932.7   |
| 369.9   |
| 91.1    |
| 0.0     |

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