

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: P944148

Luminaire Tested: **GLAN-SB8D-950-U-T4FT-HSS**

Issue Date: 1/21/2025

### Test Information

Test Method: LM-79-08  
Report Number: P944148  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-25)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/21/2025  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: GLAN-SB8D-950-U-T4FT-HSS  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(8) 90 CRI, 5000K, 900mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE IV  
FORWARD THROW OPTICS WITH HOUSE SIDE SHIELD  
Light Source: -  
Ballast/Driver: -

### Summary

Lumens per Lamp: N/A  
Luminaire Lumens: 43340 lumens  
Efficiency: N/A  
Efficacy: 74.1 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')  
IES Classification: Type IV - Short  
BUG Rating: B3 - U0 - G5

Input Watts (W): 584.9  
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



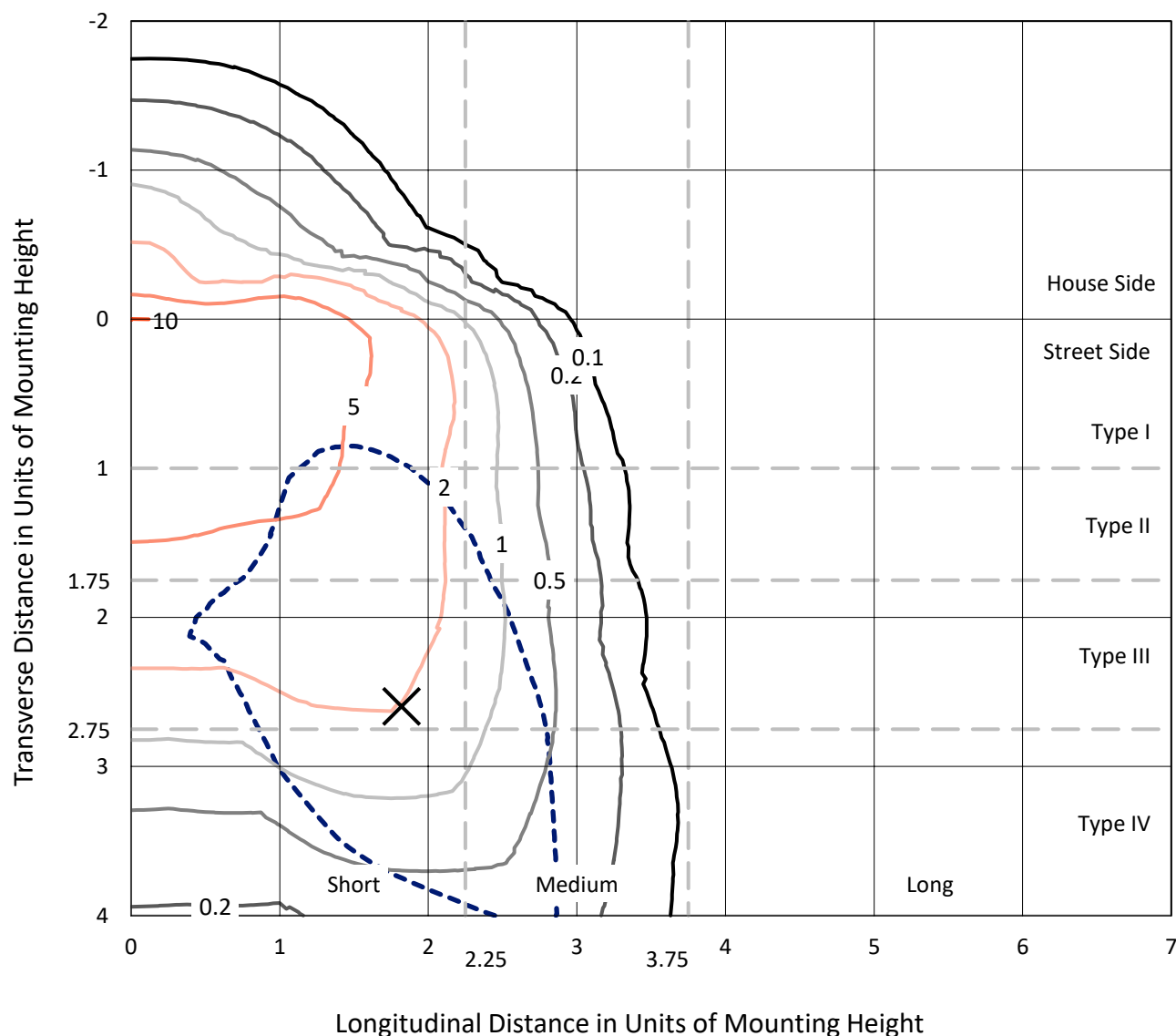
REPORT NUMBER: P944148

CATALOG NUMBER: GLAN-SB8D-950-U-T4FT-HSS

## Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

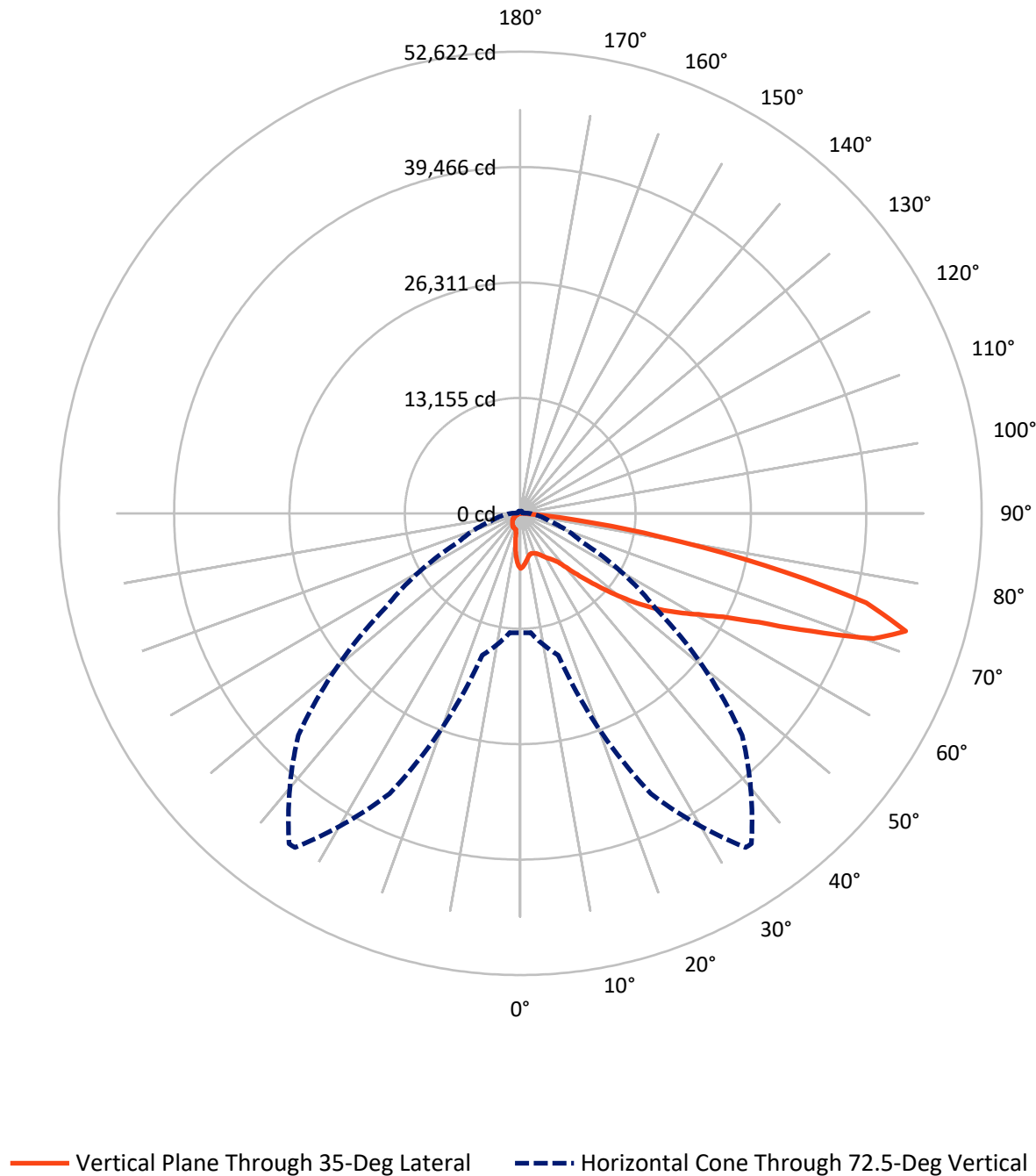


Based on 25 foot mounting height. Maximum calculated value = 10.1 fc

Type IV - Short - N/A

REPORT NUMBER: P944148  
CATALOG NUMBER: GLAN-SB8D-950-U-T4FT-HSS

## Luminous Intensity Polar Plot



REPORT NUMBER: P944148

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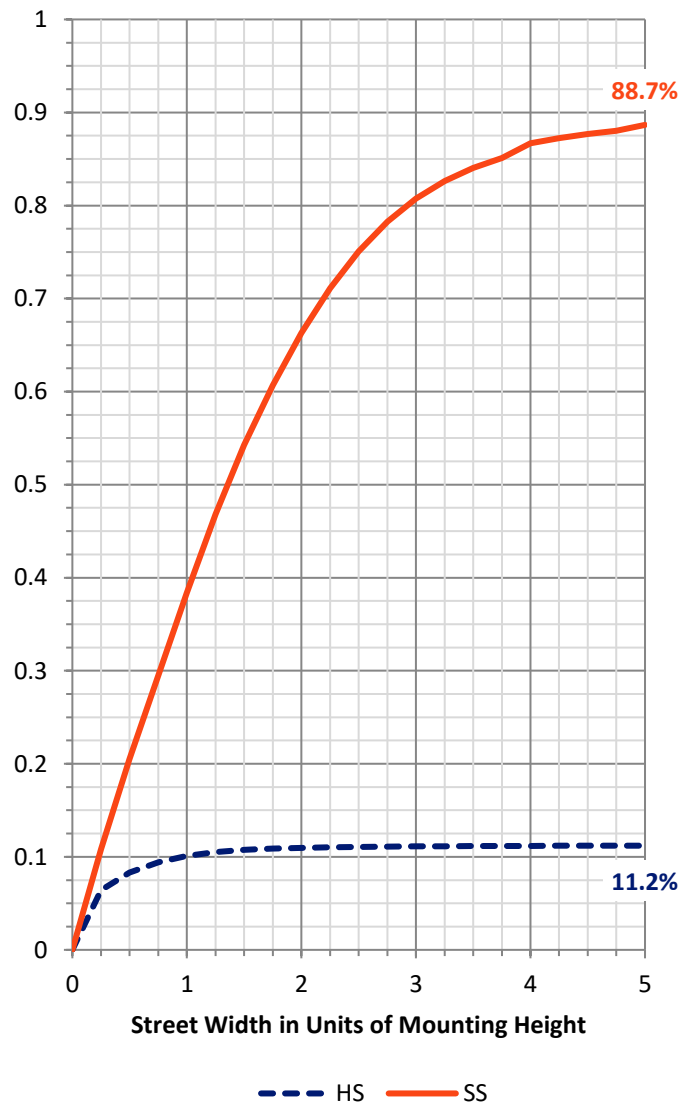
**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total   |
|--------------------|-----------|----------|--------|---------|
| <b>House Side</b>  | Lumens    | 4877.7   | 0.0    | 4877.7  |
|                    | % Fixture | 11.3     | 0.0    | 11.3    |
| <b>Street Side</b> | Lumens    | 38462.3  | 0.0    | 38462.3 |
|                    | % Fixture | 88.7     | 0.0    | 88.7    |
| <b>Total</b>       | Lumens    | 43340.0  | 0.0    | 43340.0 |
|                    | % Fixture | 100.0    | 0.0    | 100.0   |

**ZONAL LUMENS:**

| Zone      | Lumens  | % Fixture |
|-----------|---------|-----------|
| 0°-10°    | 516.2   | 1.2       |
| 10°-20°   | 1207.5  | 2.8       |
| 20°-30°   | 1961.6  | 4.5       |
| 30°-40°   | 3272.9  | 7.6       |
| 40°-50°   | 6192.3  | 14.3      |
| 50°-60°   | 9839.6  | 22.7      |
| 60°-70°   | 12172.2 | 28.1      |
| 70°-80°   | 7566.3  | 17.5      |
| 80°-90°   | 611.5   | 1.4       |
| 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°    | 43340.0 | 100.0     |
| 0°-180°   | 43340.0 | 100.0     |

**Coefficient of Utilization**



REPORT NUMBER: P944148

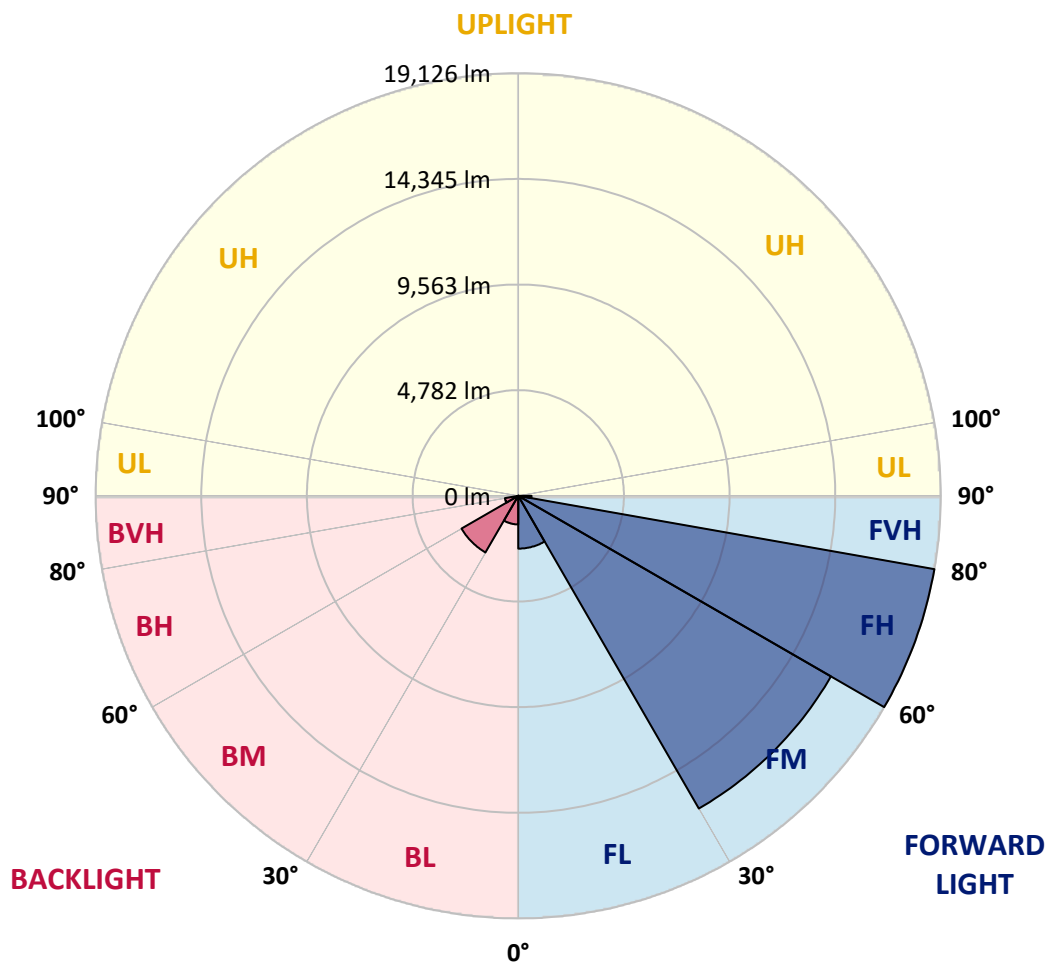
CATALOG NUMBER: GLAN-SB8D-950-U-T4FT-HSS

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

| Zone |             | Lumens  | % Fixture | Zone Rating/Lumen Limit |      |         |
|------|-------------|---------|-----------|-------------------------|------|---------|
|      |             |         |           | B                       | U    | G       |
| FL   | (0°-30°)    | 2389.1  | 5.5       |                         |      |         |
| FM   | (30°-60°)   | 16343.5 | 37.7      |                         |      |         |
| FH   | (60°-80°)   | 19126.5 | 44.1      |                         |      | G5      |
| FVH  | (80°-90°)   | 603.2   | 1.4       |                         |      | G4/750  |
| BL   | (0°-30°)    | 1296.1  | 3.0       | B3/2500                 |      |         |
| BM   | (30°-60°)   | 2961.2  | 6.8       | B3/5000                 |      |         |
| BH   | (60°-80°)   | 612.1   | 1.4       | B2/1000                 |      | G2/1000 |
| BVH  | (80°-90°)   | 8.3     | 0.0       |                         |      | G0/10   |
| UL   | (90°-100°)  | 0.0     | 0.0       |                         | U0/0 |         |
| UH   | (100°-180°) | 0.0     | 0.0       |                         | U0/0 |         |

**BUG Rating: B3-U0-G5**

Type IV Short



REPORT NUMBER: P944148

CATALOG NUMBER: GLAN-SB8D-950-U-T4FT-HSS

**CANDELA DISTRIBUTION (FULL):**

|       | 0°      | 5°      | 15°     | 25°     | 34°     | 35°     | 45°     | 55°     | 65°     | 75°     |
|-------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 0°    | 6281.4  | 6281.4  | 6281.4  | 6281.4  | 6281.4  | 6281.4  | 6281.4  | 6281.4  | 6281.4  | 6281.4  |
| 2.5°  | 6002.0  | 6052.8  | 6062.3  | 6078.2  | 6078.2  | 6097.2  | 6129.0  | 6173.4  | 6246.5  | 6284.6  |
| 5°    | 5532.0  | 5570.1  | 5617.7  | 5655.8  | 5728.9  | 5738.4  | 5862.2  | 5982.9  | 6151.2  | 6278.2  |
| 7.5°  | 5058.8  | 5103.3  | 5166.8  | 5258.9  | 5354.1  | 5382.7  | 5570.1  | 5773.3  | 6040.1  | 6278.2  |
| 10°   | 4725.4  | 4728.5  | 4785.7  | 4877.8  | 5030.2  | 5065.1  | 5293.8  | 5582.8  | 5916.2  | 6240.1  |
| 12.5° | 4538.0  | 4560.2  | 4585.6  | 4655.5  | 4801.6  | 4823.8  | 5068.3  | 5408.1  | 5792.4  | 6217.9  |
| 15°   | 4538.0  | 4553.9  | 4569.7  | 4604.7  | 4722.2  | 4741.2  | 4957.2  | 5297.0  | 5728.9  | 6227.4  |
| 17.5° | 4585.6  | 4611.0  | 4598.3  | 4639.6  | 4763.5  | 4776.2  | 4966.7  | 5265.2  | 5725.7  | 6287.8  |
| 20°   | 4699.9  | 4719.0  | 4693.6  | 4719.0  | 4842.9  | 4868.3  | 5065.1  | 5325.6  | 5779.7  | 6392.6  |
| 22.5° | 4881.0  | 4890.5  | 4830.2  | 4849.2  | 4976.2  | 5008.0  | 5236.6  | 5497.0  | 5909.9  | 6560.9  |
| 25°   | 5109.6  | 5128.7  | 5036.6  | 5058.8  | 5179.5  | 5217.6  | 5481.2  | 5754.3  | 6116.3  | 6792.7  |
| 27.5° | 5373.2  | 5382.7  | 5303.3  | 5300.1  | 5455.8  | 5509.7  | 5776.5  | 6071.8  | 6392.6  | 7084.9  |
| 30°   | 5674.9  | 5703.5  | 5627.2  | 5614.5  | 5811.4  | 5855.9  | 6119.5  | 6462.4  | 6799.0  | 7523.1  |
| 32.5° | 5913.0  | 5935.3  | 5890.8  | 5922.6  | 6122.6  | 6157.6  | 6535.5  | 7015.0  | 7437.4  | 8145.5  |
| 35°   | 6256.0  | 6268.7  | 6167.1  | 6224.3  | 6452.9  | 6541.8  | 7103.9  | 7789.8  | 8240.8  | 8926.7  |
| 37.5° | 7497.7  | 7497.7  | 7065.8  | 6783.2  | 7002.3  | 7081.7  | 7881.9  | 8764.8  | 9231.6  | 9974.7  |
| 40°   | 9215.7  | 9187.1  | 8555.2  | 7977.2  | 7948.6  | 8104.2  | 8990.2  | 9993.7  | 10511.4 | 11232.2 |
| 42.5° | 11048.1 | 11003.6 | 10143.0 | 9571.4  | 9476.1  | 9530.1  | 10270.0 | 11508.5 | 12035.7 | 12766.1 |
| 45°   | 12674.0 | 12661.3 | 11873.7 | 11105.2 | 10933.7 | 11105.2 | 11867.4 | 13280.5 | 13658.4 | 14426.9 |
| 47.5° | 14036.3 | 14036.3 | 13461.5 | 12959.8 | 12870.9 | 12972.5 | 14030.0 | 15246.3 | 15211.3 | 16195.8 |
| 50°   | 15605.1 | 15592.4 | 15046.2 | 14830.2 | 14922.3 | 15065.2 | 16519.7 | 17316.8 | 16818.2 | 17932.8 |
| 52.5° | 16703.9 | 16780.1 | 16592.7 | 16557.8 | 17027.8 | 17275.5 | 19047.5 | 19342.8 | 18256.8 | 19581.0 |
| 55°   | 17574.0 | 17662.9 | 17878.9 | 18123.4 | 19028.4 | 19352.4 | 21495.9 | 21264.1 | 19460.3 | 21010.0 |
| 57.5° | 18806.1 | 18679.1 | 19012.6 | 19495.3 | 20959.2 | 21349.8 | 23868.1 | 23077.4 | 20428.9 | 22169.2 |
| 60°   | 20301.9 | 20320.9 | 20378.1 | 20987.8 | 22886.8 | 23388.6 | 26205.4 | 24792.2 | 21051.3 | 22880.5 |
| 62.5° | 22099.3 | 22127.9 | 22245.4 | 23182.2 | 25475.0 | 25948.2 | 28695.1 | 26195.9 | 21337.1 | 22680.4 |
| 65°   | 21975.4 | 22096.1 | 23407.7 | 26611.9 | 29409.6 | 29876.4 | 31600.8 | 27180.3 | 20905.2 | 20851.3 |
| 67.5° | 20019.2 | 20216.1 | 22410.5 | 30708.5 | 35341.7 | 35862.5 | 35113.1 | 27374.0 | 19041.1 | 16214.8 |
| 70°   | 17453.3 | 17523.2 | 20162.1 | 34392.2 | 42210.6 | 42737.8 | 38257.0 | 25243.2 | 14449.2 | 9044.2  |
| 72.5° | 13629.9 | 13645.7 | 16742.0 | 35246.4 | 45938.8 | 45967.4 | 35789.5 | 18739.5 | 7770.8  | 3474.2  |
| 75°   | 9736.5  | 9641.2  | 11213.2 | 28584.0 | 40416.4 | 40740.3 | 26831.0 | 8790.2  | 2969.2  | 1641.8  |
| 77.5° | 5220.8  | 5325.6  | 6344.9  | 16951.6 | 27920.2 | 28472.8 | 14639.7 | 2534.2  | 1511.6  | 1117.8  |
| 80°   | 1613.2  | 1702.1  | 2600.9  | 7761.3  | 15814.7 | 16148.1 | 5427.2  | 1127.4  | 1054.3  | 797.1   |
| 82.5° | 508.1   | 527.2   | 1213.1  | 3261.4  | 6564.1  | 6716.5  | 1571.9  | 638.3   | 720.9   | 527.2   |
| 85°   | 146.1   | 149.3   | 539.9   | 1216.3  | 1622.8  | 1654.5  | 441.4   | 247.7   | 412.8   | 327.1   |
| 87.5° | 15.9    | 50.8    | 203.2   | 203.2   | 142.9   | 139.7   | 47.6    | 54.0    | 117.5   | 41.3    |
| 90°   | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     |

REPORT NUMBER: P944148

CATALOG NUMBER: GLAN-SB8D-950-U-T4FT-HSS

**CANDELA DISTRIBUTION (continued):**

| 85°     |       | 90°     | 95°     | 105°   | 115°   | 125°   | 135°   | 145°   | 155°   | 165°   | 175°   |
|---------|-------|---------|---------|--------|--------|--------|--------|--------|--------|--------|--------|
| 6281.4  | 0°    | 6281.4  | 6281.4  | 6281.4 | 6281.4 | 6281.4 | 6281.4 | 6281.4 | 6281.4 | 6281.4 | 6281.4 |
| 6310.0  | 2.5°  | 6294.1  | 6297.3  | 6256.0 | 6186.1 | 6109.9 | 6046.4 | 5967.0 | 5903.5 | 5859.1 | 5846.4 |
| 6367.2  | 5°    | 6338.6  | 6316.4  | 6198.9 | 5986.1 | 5732.0 | 5512.9 | 5268.4 | 5074.7 | 4947.6 | 4893.7 |
| 6427.5  | 7.5°  | 6405.3  | 6341.8  | 6084.5 | 5665.3 | 5179.5 | 4747.6 | 4309.3 | 3969.6 | 3753.6 | 3645.6 |
| 6484.7  | 10°   | 6462.4  | 6335.4  | 5894.0 | 5201.7 | 4458.6 | 3804.4 | 3213.7 | 2804.1 | 2575.4 | 2467.5 |
| 6551.3  | 12.5° | 6516.4  | 6332.2  | 5646.3 | 4652.3 | 3645.6 | 2845.4 | 2296.0 | 2092.7 | 2029.2 | 2007.0 |
| 6659.3  | 15°   | 6618.0  | 6341.8  | 5335.1 | 4023.5 | 2835.8 | 2149.9 | 1949.8 | 1946.7 | 1959.4 | 1953.0 |
| 6824.5  | 17.5° | 6757.8  | 6351.3  | 4982.6 | 3356.7 | 2188.0 | 1895.9 | 1886.3 | 1914.9 | 1934.0 | 1924.4 |
| 7030.9  | 20°   | 6938.8  | 6389.4  | 4607.9 | 2696.1 | 1880.0 | 1832.3 | 1854.6 | 1880.0 | 1895.9 | 1880.0 |
| 7307.2  | 22.5° | 7192.8  | 6456.1  | 4198.2 | 2165.8 | 1781.5 | 1794.2 | 1813.3 | 1841.9 | 1857.8 | 1835.5 |
| 7659.6  | 25°   | 7504.0  | 6560.9  | 3794.9 | 1883.2 | 1733.9 | 1749.8 | 1778.4 | 1810.1 | 1829.2 | 1806.9 |
| 8104.2  | 27.5° | 7907.3  | 6729.2  | 3423.3 | 1819.6 | 1686.3 | 1695.8 | 1737.1 | 1784.7 | 1810.1 | 1781.5 |
| 8736.2  | 30°   | 8491.7  | 7005.5  | 3102.6 | 1848.2 | 1657.7 | 1635.5 | 1692.6 | 1759.3 | 1787.9 | 1762.5 |
| 9596.8  | 32.5° | 9266.5  | 7396.1  | 2905.7 | 1892.7 | 1645.0 | 1565.6 | 1619.6 | 1705.3 | 1753.0 | 1737.1 |
| 10721.0 | 35°   | 10282.7 | 7989.9  | 2829.5 | 1943.5 | 1635.5 | 1492.6 | 1530.7 | 1622.8 | 1705.3 | 1721.2 |
| 12137.3 | 37.5° | 11514.9 | 8815.6  | 2851.7 | 1965.7 | 1606.9 | 1432.2 | 1451.3 | 1530.7 | 1638.6 | 1689.4 |
| 13731.5 | 40°   | 12915.3 | 9777.8  | 2978.8 | 1943.5 | 1575.1 | 1381.4 | 1384.6 | 1444.9 | 1540.2 | 1616.4 |
| 15446.3 | 42.5° | 14360.3 | 10902.0 | 3213.7 | 1860.9 | 1546.5 | 1336.9 | 1327.4 | 1368.7 | 1432.2 | 1486.2 |
| 17158.0 | 45°   | 15735.3 | 12057.9 | 3445.6 | 1746.6 | 1511.6 | 1292.5 | 1270.3 | 1286.1 | 1298.8 | 1321.1 |
| 18825.2 | 47.5° | 16935.7 | 12870.9 | 3378.9 | 1641.8 | 1464.0 | 1241.7 | 1203.6 | 1197.2 | 1159.1 | 1155.9 |
| 20314.6 | 50°   | 17764.5 | 13048.7 | 3001.0 | 1537.0 | 1394.1 | 1184.5 | 1124.2 | 1086.1 | 1019.4 | 987.6  |
| 21429.2 | 52.5° | 18028.1 | 12346.9 | 2451.6 | 1432.2 | 1279.8 | 1108.3 | 1022.6 | 962.2  | 879.7  | 851.1  |
| 22070.7 | 55°   | 17678.8 | 10971.8 | 1959.4 | 1305.2 | 1121.0 | 1006.7 | 911.4  | 832.0  | 765.3  | 730.4  |
| 22140.6 | 57.5° | 16824.5 | 9222.1  | 1549.7 | 1155.9 | 952.7  | 892.4  | 797.1  | 717.7  | 660.5  | 625.6  |
| 21365.7 | 60°   | 15408.2 | 7323.0  | 1225.8 | 978.1  | 813.0  | 768.5  | 670.1  | 619.3  | 568.4  | 527.2  |
| 19365.1 | 62.5° | 13258.3 | 5227.1  | 962.2  | 774.9  | 679.6  | 628.8  | 571.6  | 533.5  | 473.2  | 416.0  |
| 15767.1 | 65°   | 10346.2 | 3197.9  | 743.1  | 568.4  | 546.2  | 520.8  | 485.9  | 450.9  | 377.9  | 320.7  |
| 10285.9 | 67.5° | 6525.9  | 1514.8  | 530.3  | 428.7  | 431.9  | 419.2  | 403.3  | 374.7  | 320.7  | 269.9  |
| 4607.9  | 70°   | 2874.0  | 733.6   | 349.3  | 327.1  | 320.7  | 320.7  | 333.4  | 323.9  | 273.1  | 225.5  |
| 1600.5  | 72.5° | 978.1   | 393.8   | 260.4  | 247.7  | 231.8  | 228.6  | 279.5  | 269.9  | 219.1  | 174.7  |
| 797.1   | 75°   | 511.3   | 263.6   | 190.5  | 177.8  | 139.7  | 168.3  | 222.3  | 209.6  | 155.6  | 114.3  |
| 527.2   | 77.5° | 333.4   | 187.4   | 130.2  | 114.3  | 79.4   | 111.1  | 165.1  | 146.1  | 92.1   | 57.2   |
| 346.1   | 80°   | 209.6   | 123.9   | 76.2   | 54.0   | 38.1   | 60.3   | 88.9   | 63.5   | 34.9   | 12.7   |
| 203.2   | 82.5° | 111.1   | 63.5    | 28.6   | 19.1   | 15.9   | 19.1   | 22.2   | 15.9   | 6.4    | 0.0    |
| 104.8   | 85°   | 44.5    | 22.2    | 9.5    | 6.4    | 3.2    | 0.0    | 6.4    | 3.2    | 0.0    | 0.0    |
| 19.1    | 87.5° | 15.9    | 3.2     | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 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°   |
|--------|
| 6281.4 |
| 5868.6 |
| 4912.7 |
| 3661.5 |
| 2470.6 |
| 2000.7 |
| 1949.8 |
| 1921.3 |
| 1876.8 |
| 1832.3 |
| 1803.8 |
| 1781.5 |
| 1759.3 |
| 1737.1 |
| 1721.2 |
| 1702.1 |
| 1641.8 |
| 1508.4 |
| 1333.8 |
| 1152.8 |
| 990.8  |
| 847.9  |
| 730.4  |
| 619.3  |
| 517.6  |
| 406.5  |
| 311.2  |
| 263.6  |
| 215.9  |
| 165.1  |
| 104.8  |
| 50.8   |
| 9.5    |
| 0.0    |
| 0.0    |
| 0.0    |
| 0.0    |