

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: P941397

Luminaire Tested: **GLAN-SB4D-930-U-T3**

Issue Date: 1/21/2025

**Test Information**

Test Method: LM-79-08  
Report Number: P941397  
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-SB4D-930-U-T3  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(4) 90 CRI, 3000K, 900mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE III  
OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 28390 lumens  
Efficiency: N/A  
Efficacy: 96.7 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')  
IES Classification: Type III - Short  
BUG Rating: B3 - U0 - G4

Input Watts (W): 293.6  
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

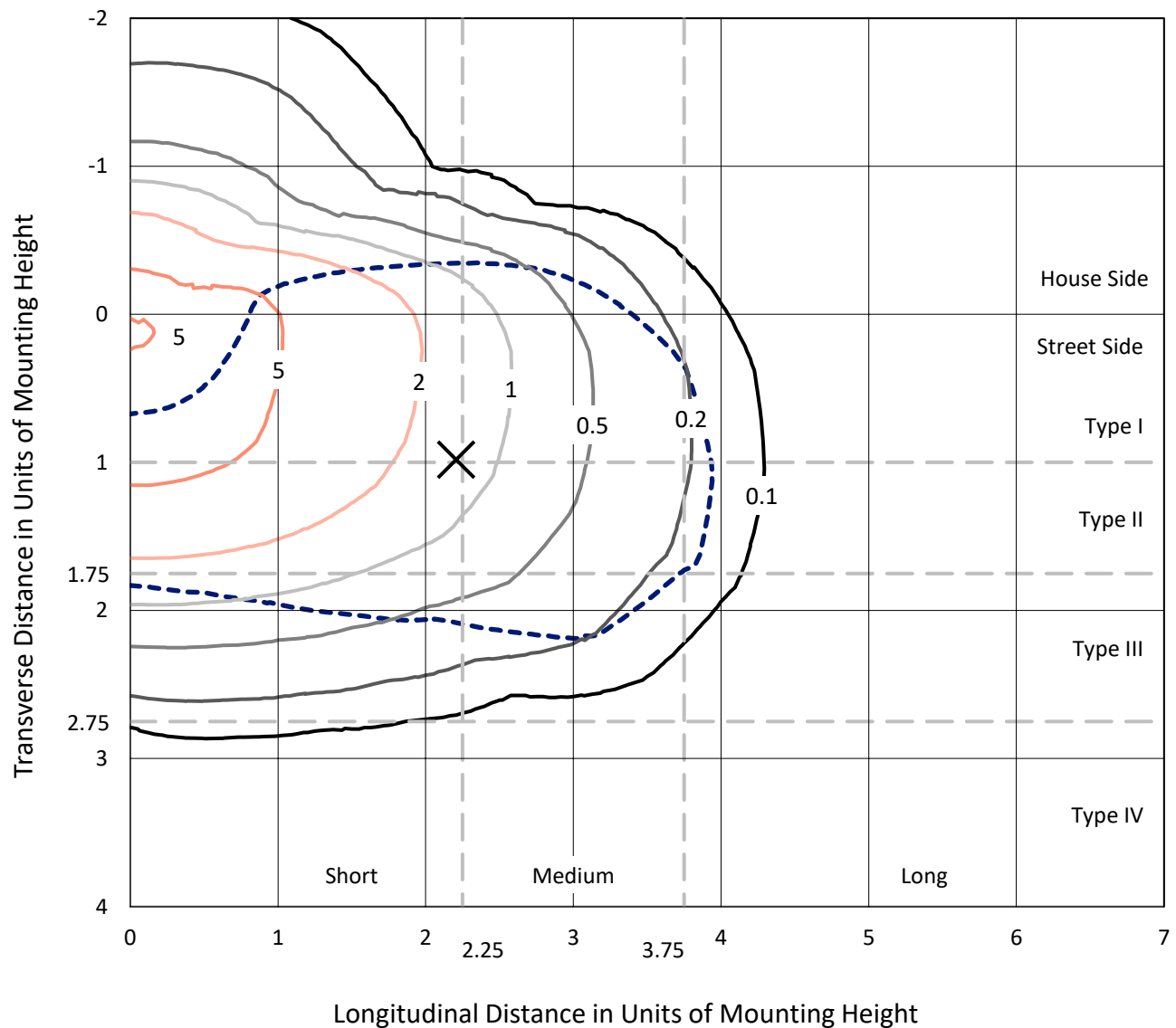


REPORT NUMBER: P941397

CATALOG NUMBER: GLAN-SB4D-930-U-T3

## Iso-Footcandle Lines of Horizontal Illumination

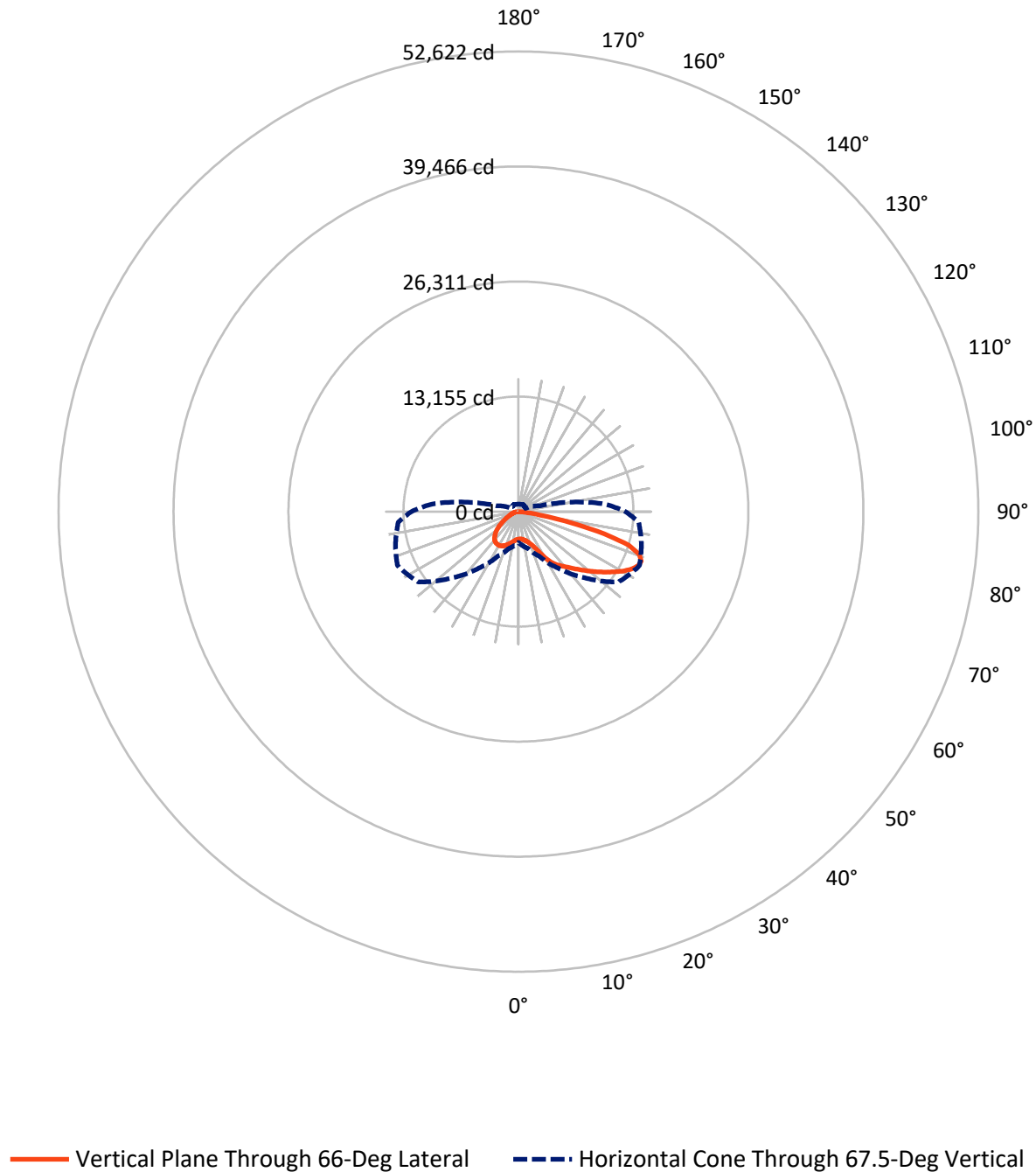
× Max cd  
- - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 7.1 fc  
Type III - Short - N/A

REPORT NUMBER: P941397  
CATALOG NUMBER: GLAN-SB4D-930-U-T3

## Luminous Intensity Polar Plot



REPORT NUMBER: P941397

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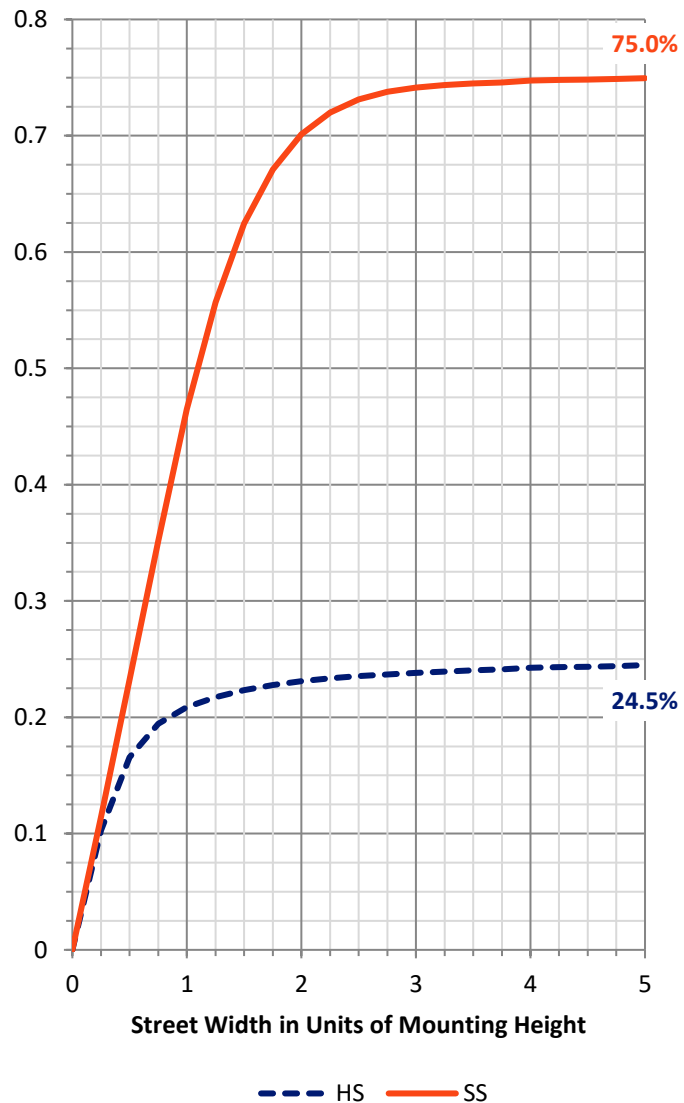
**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total   |
|--------------------|-----------|----------|--------|---------|
| <b>House Side</b>  | Lumens    | 7059.1   | 0.0    | 7059.1  |
|                    | % Fixture | 24.9     | 0.0    | 24.9    |
| <b>Street Side</b> | Lumens    | 21330.9  | 0.0    | 21330.9 |
|                    | % Fixture | 75.1     | 0.0    | 75.1    |
| <b>Total</b>       | Lumens    | 28390.0  | 0.0    | 28390.0 |
|                    | % Fixture | 100.0    | 0.0    | 100.0   |

**ZONAL LUMENS:**

| Zone      | Lumens  | % Fixture |
|-----------|---------|-----------|
| 0°-10°    | 312.2   | 1.1       |
| 10°-20°   | 1031.4  | 3.6       |
| 20°-30°   | 1988.1  | 7.0       |
| 30°-40°   | 3485.8  | 12.3      |
| 40°-50°   | 5182.2  | 18.3      |
| 50°-60°   | 6569.0  | 23.1      |
| 60°-70°   | 6427.6  | 22.6      |
| 70°-80°   | 3066.0  | 10.8      |
| 80°-90°   | 327.7   | 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°    | 28390.0 | 100.0     |
| 0°-180°   | 28390.0 | 100.0     |

**Coefficient of Utilization**



REPORT NUMBER: P941397

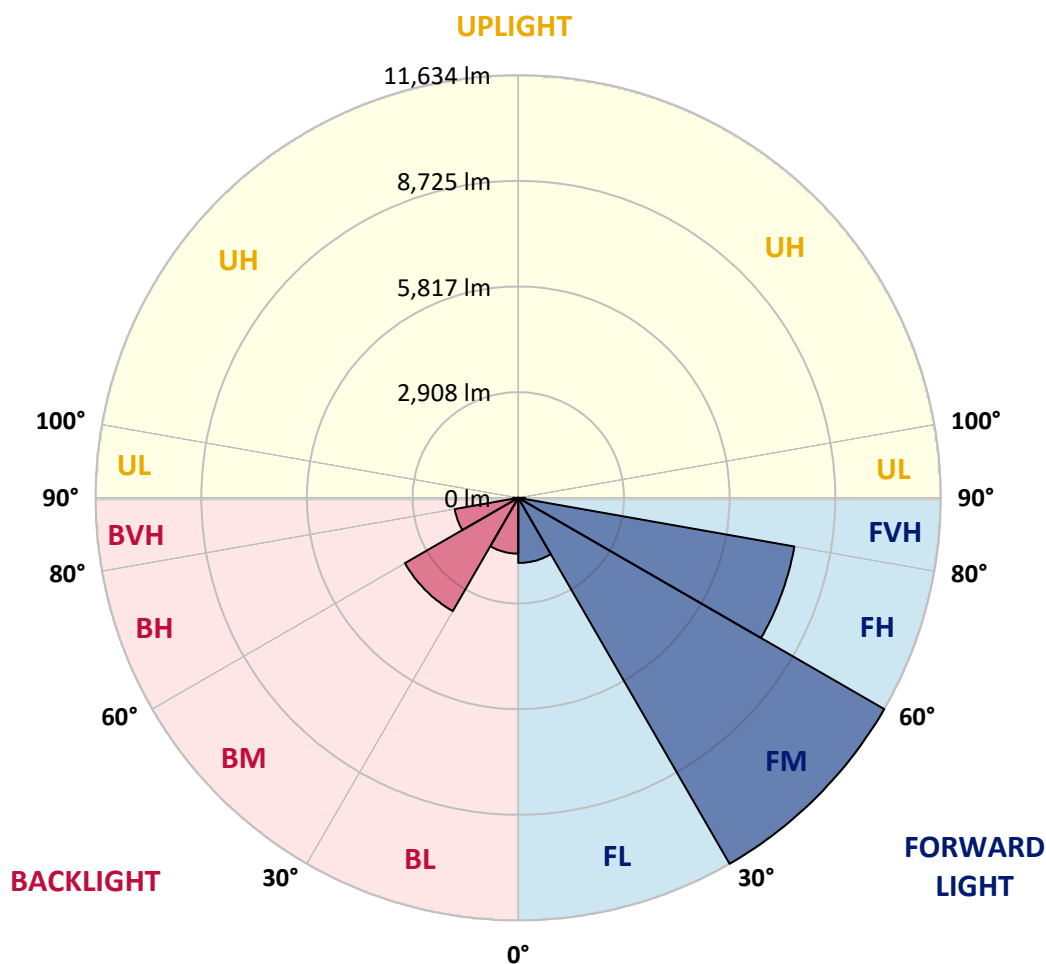
CATALOG NUMBER: GLAN-SB4D-930-U-T3

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

| Zone |             | Lumens  | % Fixture | Zone Rating/Lumen Limit |      |          |
|------|-------------|---------|-----------|-------------------------|------|----------|
|      |             |         |           | B                       | U    | G        |
| FL   | (0°-30°)    | 1794.0  | 6.3       |                         |      |          |
| FM   | (30°-60°)   | 11634.0 | 41.0      |                         |      |          |
| FH   | (60°-80°)   | 7717.2  | 27.2      |                         |      | G4/12000 |
| FVH  | (80°-90°)   | 185.8   | 0.7       |                         |      | G2/225   |
| BL   | (0°-30°)    | 1537.7  | 5.4       | B3/2500                 |      |          |
| BM   | (30°-60°)   | 3603.0  | 12.7      | B3/5000                 |      |          |
| BH   | (60°-80°)   | 1776.4  | 6.3       | B3/2500                 |      | G3/2500  |
| BVH  | (80°-90°)   | 141.9   | 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-G4**

Type III Short



REPORT NUMBER: P941397

CATALOG NUMBER: GLAN-SB4D-930-U-T3

**CANDELA DISTRIBUTION (FULL):**

|       | 0°      | 5°      | 15°     | 25°     | 35°     | 45°     | 55°     | 65°     | 66°     | 75°     |
|-------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 0°    | 3148.8  | 3148.8  | 3148.8  | 3148.8  | 3148.8  | 3148.8  | 3148.8  | 3148.8  | 3148.8  | 3148.8  |
| 2.5°  | 3116.0  | 3133.9  | 3129.4  | 3122.0  | 3120.5  | 3123.5  | 3127.9  | 3132.4  | 3130.9  | 3138.4  |
| 5°    | 3107.1  | 3125.0  | 3123.5  | 3123.5  | 3129.4  | 3141.4  | 3148.8  | 3156.3  | 3148.8  | 3157.8  |
| 7.5°  | 3113.0  | 3126.5  | 3132.4  | 3138.4  | 3153.3  | 3175.7  | 3193.6  | 3210.0  | 3201.0  | 3211.5  |
| 10°   | 3189.1  | 3199.5  | 3205.5  | 3205.5  | 3215.9  | 3241.3  | 3259.2  | 3289.0  | 3281.6  | 3298.0  |
| 12.5° | 3327.8  | 3338.3  | 3338.3  | 3332.3  | 3339.8  | 3356.2  | 3362.1  | 3394.9  | 3381.5  | 3408.4  |
| 15°   | 3497.9  | 3518.7  | 3502.3  | 3491.9  | 3494.9  | 3511.3  | 3509.8  | 3535.2  | 3521.7  | 3544.1  |
| 17.5° | 3685.8  | 3712.7  | 3685.8  | 3684.3  | 3678.4  | 3696.3  | 3697.7  | 3720.1  | 3696.3  | 3712.7  |
| 20°   | 3908.1  | 3945.4  | 3923.0  | 3930.4  | 3917.0  | 3924.5  | 3931.9  | 3964.7  | 3927.5  | 3939.4  |
| 22.5° | 4221.3  | 4266.1  | 4242.2  | 4270.5  | 4261.6  | 4255.6  | 4254.1  | 4312.3  | 4254.1  | 4258.6  |
| 25°   | 4677.7  | 4731.4  | 4689.7  | 4728.5  | 4728.5  | 4747.9  | 4770.2  | 4844.8  | 4747.9  | 4719.5  |
| 27.5° | 5352.0  | 5405.7  | 5323.6  | 5347.5  | 5340.0  | 5387.8  | 5363.9  | 5548.9  | 5444.4  | 5398.2  |
| 30°   | 6163.4  | 6258.9  | 6103.7  | 6097.8  | 6090.3  | 6166.4  | 6200.7  | 6323.0  | 6217.1  | 6170.9  |
| 32.5° | 7040.5  | 7140.4  | 6955.5  | 6901.8  | 6873.4  | 6919.7  | 6891.3  | 6989.8  | 6916.7  | 6845.1  |
| 35°   | 7968.3  | 8066.7  | 7890.7  | 7786.3  | 7672.9  | 7576.0  | 7474.5  | 7499.9  | 7431.3  | 7322.4  |
| 37.5° | 8845.4  | 9025.8  | 8839.4  | 8727.5  | 8518.7  | 8329.2  | 8045.8  | 7928.0  | 7863.9  | 7763.9  |
| 40°   | 9738.8  | 9841.8  | 9700.1  | 9604.6  | 9377.9  | 9081.0  | 8627.6  | 8378.5  | 8292.0  | 8195.0  |
| 42.5° | 10396.6 | 10495.1 | 10419.0 | 10353.4 | 10175.9 | 9831.3  | 9245.1  | 8933.4  | 8808.1  | 8699.2  |
| 45°   | 10918.7 | 10991.8 | 10944.1 | 10967.9 | 10891.9 | 10557.7 | 9885.0  | 9528.5  | 9398.7  | 9266.0  |
| 47.5° | 11129.0 | 11206.6 | 11282.7 | 11424.4 | 11554.1 | 11308.0 | 10572.7 | 10172.9 | 10035.7 | 9899.9  |
| 50°   | 11105.2 | 11184.2 | 11405.0 | 11706.3 | 12109.0 | 12027.0 | 11297.6 | 10859.1 | 10732.3 | 10577.1 |
| 52.5° | 10914.2 | 11003.7 | 11287.1 | 11788.3 | 12429.7 | 12565.5 | 12035.9 | 11567.6 | 11448.2 | 11263.3 |
| 55°   | 10413.1 | 10466.8 | 10891.9 | 11601.9 | 12505.8 | 12941.4 | 12759.4 | 12322.3 | 12203.0 | 11945.0 |
| 57.5° | 9483.8  | 9561.3  | 10180.4 | 11099.2 | 12314.9 | 13196.4 | 13394.8 | 13115.9 | 13001.0 | 12629.6 |
| 60°   | 8271.1  | 8394.9  | 9103.4  | 10254.9 | 11828.6 | 13194.9 | 13972.1 | 13896.0 | 13800.5 | 13303.8 |
| 62.5° | 6898.8  | 7042.0  | 7723.6  | 9061.6  | 10978.4 | 12820.5 | 14333.1 | 14549.3 | 14500.1 | 13925.8 |
| 65°   | 5298.3  | 5396.7  | 6075.4  | 7517.8  | 9655.3  | 12016.6 | 14374.8 | 14995.3 | 15004.3 | 14398.7 |
| 67.5° | 3527.7  | 3811.1  | 4400.3  | 5641.3  | 7883.3  | 10702.4 | 14007.9 | 15068.4 | 15154.9 | 14561.3 |
| 70°   | 1721.3  | 2094.2  | 2671.5  | 3666.4  | 5641.3  | 8687.2  | 13048.8 | 14468.8 | 14661.2 | 14086.9 |
| 72.5° | 714.5   | 835.3   | 1150.0  | 1809.3  | 3238.3  | 5862.1  | 11121.6 | 12842.9 | 13199.4 | 12481.9 |
| 75°   | 481.8   | 522.1   | 657.8   | 927.8   | 1475.2  | 2890.8  | 8020.5  | 9576.3  | 10150.5 | 9427.1  |
| 77.5° | 371.4   | 396.8   | 478.8   | 648.9   | 877.1   | 1093.4  | 4292.9  | 5771.1  | 6067.9  | 5617.5  |
| 80°   | 292.4   | 311.8   | 358.0   | 472.8   | 622.0   | 584.7   | 1463.3  | 2614.8  | 2786.4  | 2337.4  |
| 82.5° | 253.6   | 261.0   | 256.6   | 320.7   | 413.2   | 341.6   | 480.3   | 965.1   | 1065.0  | 772.7   |
| 85°   | 183.5   | 204.4   | 213.3   | 198.4   | 219.3   | 173.0   | 196.9   | 341.6   | 375.9   | 335.6   |
| 87.5° | 74.6    | 110.4   | 135.7   | 128.3   | 80.5    | 49.2    | 61.2    | 99.9    | 114.9   | 125.3   |
| 90°   | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     |

REPORT NUMBER: P941397

CATALOG NUMBER: GLAN-SB4D-930-U-T3

**CANDELA DISTRIBUTION (continued):**

| 85°     |       | 90°     | 95°     | 105°   | 115°   | 125°   | 135°   | 145°   | 155°   | 165°   | 175°   |
|---------|-------|---------|---------|--------|--------|--------|--------|--------|--------|--------|--------|
| 3148.8  | 0°    | 3148.8  | 3148.8  | 3148.8 | 3148.8 | 3148.8 | 3148.8 | 3148.8 | 3148.8 | 3148.8 | 3148.8 |
| 3150.3  | 2.5°  | 3151.8  | 3162.3  | 3169.7 | 3178.7 | 3184.6 | 3193.6 | 3211.5 | 3221.9 | 3223.4 | 3230.9 |
| 3174.2  | 5°    | 3180.2  | 3195.1  | 3211.5 | 3235.3 | 3262.2 | 3284.6 | 3318.9 | 3342.7 | 3351.7 | 3359.1 |
| 3232.4  | 7.5°  | 3241.3  | 3262.2  | 3292.0 | 3333.8 | 3372.6 | 3402.4 | 3444.2 | 3472.5 | 3500.9 | 3511.3 |
| 3324.8  | 10°   | 3332.3  | 3362.1  | 3405.4 | 3462.1 | 3503.8 | 3542.6 | 3585.9 | 3609.7 | 3638.1 | 3650.0 |
| 3435.2  | 12.5° | 3445.7  | 3477.0  | 3533.7 | 3612.7 | 3651.5 | 3678.4 | 3693.3 | 3687.3 | 3693.3 | 3703.7 |
| 3568.0  | 15°   | 3575.4  | 3609.7  | 3673.9 | 3758.9 | 3785.8 | 3761.9 | 3729.1 | 3699.2 | 3694.8 | 3697.7 |
| 3729.1  | 17.5° | 3729.1  | 3754.4  | 3829.0 | 3900.6 | 3881.2 | 3782.8 | 3711.2 | 3663.4 | 3639.6 | 3632.1 |
| 3934.9  | 20°   | 3943.9  | 3943.9  | 4005.0 | 4049.8 | 3920.0 | 3752.9 | 3641.1 | 3563.5 | 3514.3 | 3493.4 |
| 4215.3  | 22.5° | 4204.9  | 4181.0  | 4219.8 | 4188.5 | 3912.5 | 3669.4 | 3514.3 | 3380.0 | 3305.4 | 3275.6 |
| 4607.6  | 25°   | 4536.0  | 4507.7  | 4497.3 | 4303.3 | 3858.8 | 3536.6 | 3284.6 | 3122.0 | 3056.3 | 3039.9 |
| 5173.0  | 27.5° | 5035.7  | 4964.1  | 4828.4 | 4366.0 | 3760.4 | 3327.8 | 3016.1 | 2865.4 | 2828.1 | 2829.6 |
| 5899.4  | 30°   | 5701.0  | 5557.8  | 5225.2 | 4376.4 | 3599.3 | 3032.5 | 2741.6 | 2634.2 | 2616.3 | 2623.8 |
| 6509.5  | 32.5° | 6317.0  | 6181.3  | 5630.9 | 4328.7 | 3351.7 | 2743.1 | 2495.5 | 2423.9 | 2397.0 | 2406.0 |
| 6974.9  | 35°   | 6800.3  | 6763.0  | 6006.8 | 4261.6 | 3047.4 | 2471.6 | 2274.7 | 2213.6 | 2161.4 | 2149.4 |
| 7413.4  | 37.5° | 7256.8  | 7241.9  | 6288.7 | 4167.6 | 2746.1 | 2279.2 | 2097.2 | 2016.7 | 1940.6 | 1898.8 |
| 7898.2  | 40°   | 7758.0  | 7743.0  | 6473.7 | 4022.9 | 2479.1 | 2112.1 | 1937.6 | 1831.7 | 1737.7 | 1661.7 |
| 8447.1  | 42.5° | 8321.8  | 8233.8  | 6561.7 | 3815.6 | 2252.4 | 1970.4 | 1807.9 | 1664.7 | 1540.9 | 1470.7 |
| 9067.6  | 45°   | 8937.8  | 8739.4  | 6560.2 | 3551.6 | 2061.4 | 1840.7 | 1669.1 | 1466.3 | 1351.4 | 1285.8 |
| 9704.5  | 47.5° | 9591.2  | 9222.7  | 6479.6 | 3259.2 | 1876.5 | 1697.5 | 1454.3 | 1299.2 | 1223.1 | 1182.9 |
| 10396.6 | 50°   | 10265.4 | 9674.7  | 6342.4 | 2923.6 | 1687.0 | 1534.9 | 1320.1 | 1214.2 | 1156.0 | 1118.7 |
| 11082.8 | 52.5° | 10899.3 | 10084.9 | 6176.8 | 2543.2 | 1494.6 | 1376.8 | 1260.4 | 1178.4 | 1117.2 | 1075.5 |
| 11748.1 | 55°   | 11488.5 | 10438.4 | 5942.6 | 2153.9 | 1338.0 | 1270.9 | 1232.1 | 1163.5 | 1093.4 | 1044.1 |
| 12423.8 | 57.5° | 12012.1 | 10668.1 | 5538.4 | 1788.5 | 1226.1 | 1197.8 | 1202.3 | 1138.1 | 1057.6 | 1015.8 |
| 13089.0 | 60°   | 12447.6 | 10836.7 | 4940.3 | 1449.9 | 1135.1 | 1126.2 | 1156.0 | 1090.4 | 996.4  | 948.7  |
| 13651.4 | 62.5° | 12708.7 | 10833.7 | 4206.4 | 1187.3 | 1057.6 | 1060.5 | 1094.9 | 1030.7 | 935.3  | 890.5  |
| 13945.2 | 65°   | 12686.3 | 10568.2 | 3400.9 | 1015.8 | 983.0  | 986.0  | 1030.7 | 965.1  | 884.5  | 857.7  |
| 13797.6 | 67.5° | 12237.3 | 9920.8  | 2608.9 | 903.9  | 900.9  | 914.4  | 966.6  | 920.3  | 853.2  | 850.2  |
| 12917.5 | 70°   | 11021.6 | 8576.9  | 1879.5 | 814.4  | 815.9  | 835.3  | 903.9  | 892.0  | 836.8  | 842.8  |
| 10860.5 | 72.5° | 8837.9  | 6539.3  | 1261.9 | 720.5  | 721.9  | 753.3  | 844.3  | 869.6  | 820.4  | 899.5  |
| 7705.7  | 75°   | 5886.0  | 4078.1  | 811.4  | 620.5  | 622.0  | 662.3  | 792.1  | 826.4  | 775.6  | 896.5  |
| 4009.5  | 77.5° | 2828.1  | 1833.2  | 587.7  | 522.1  | 522.1  | 559.4  | 684.7  | 739.8  | 660.8  | 696.6  |
| 1288.8  | 80°   | 977.0   | 689.1   | 462.4  | 420.6  | 411.7  | 437.0  | 577.3  | 641.4  | 569.8  | 525.1  |
| 420.6   | 82.5° | 384.8   | 358.0   | 371.4  | 326.7  | 296.8  | 313.2  | 449.0  | 529.5  | 419.1  | 378.9  |
| 237.2   | 85°   | 220.8   | 232.7   | 262.5  | 216.3  | 171.5  | 192.4  | 329.6  | 380.4  | 316.2  | 278.9  |
| 77.6    | 87.5° | 59.7    | 82.0    | 120.8  | 111.9  | 77.6   | 82.0   | 156.6  | 210.3  | 182.0  | 140.2  |
| 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°   |
|--------|
| 3148.8 |
| 3229.4 |
| 3357.7 |
| 3512.8 |
| 3656.0 |
| 3706.7 |
| 3708.2 |
| 3642.6 |
| 3488.9 |
| 3271.1 |
| 3042.9 |
| 2834.1 |
| 2649.1 |
| 2417.9 |
| 2158.4 |
| 1900.3 |
| 1669.1 |
| 1475.2 |
| 1282.8 |
| 1173.9 |
| 1105.3 |
| 1057.6 |
| 1024.7 |
| 988.9  |
| 927.8  |
| 877.1  |
| 856.2  |
| 854.7  |
| 841.3  |
| 911.4  |
| 903.9  |
| 638.4  |
| 492.2  |
| 377.4  |
| 284.9  |
| 144.7  |
| 0.0    |