

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: P941925

Luminaire Tested: **GLAN-SB5C-940-U-T2**

Issue Date: 1/21/2025

**Test Information**

Test Method: LM-79-08  
Report Number: P941925  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-3)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/21/2025  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: GLAN-SB5C-940-U-T2  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(5) 90 CRI, 4000K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE II OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 27163 lumens  
Efficiency: N/A  
Efficacy: 108.9 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')  
IES Classification: Type II - Medium  
BUG Rating: B3 - U0 - G4

Input Watts (W): 249.5  
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



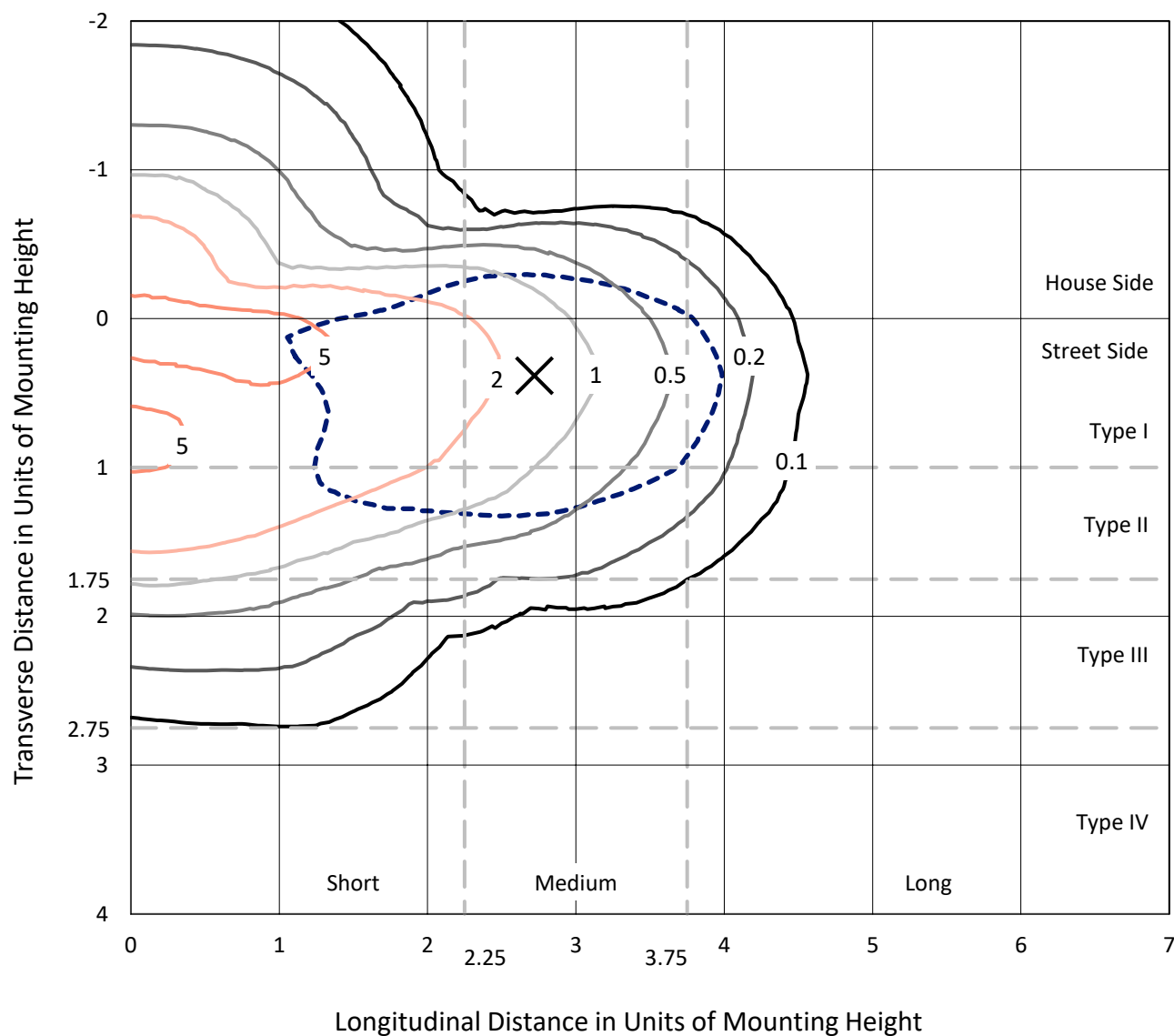
REPORT NUMBER: P941925

CATALOG NUMBER: GLAN-SB5C-940-U-T2

## Iso-Footcandle Lines of Horizontal Illumination

× Max cd

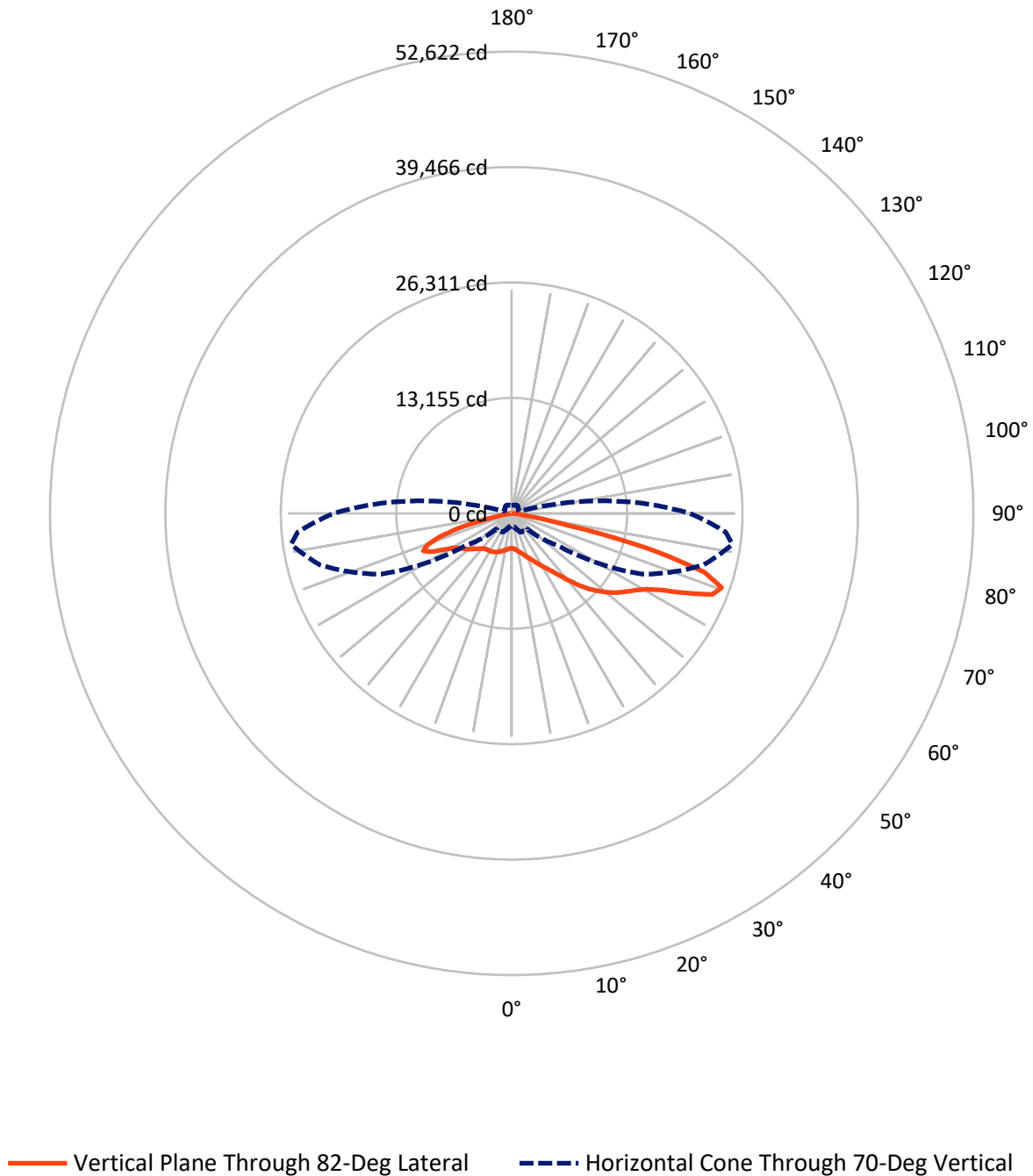
--- 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 7.2 fc  
Type II - Medium - N/A

REPORT NUMBER: P941925  
CATALOG NUMBER: GLAN-SB5C-940-U-T2

## Luminous Intensity Polar Plot



REPORT NUMBER: P941925

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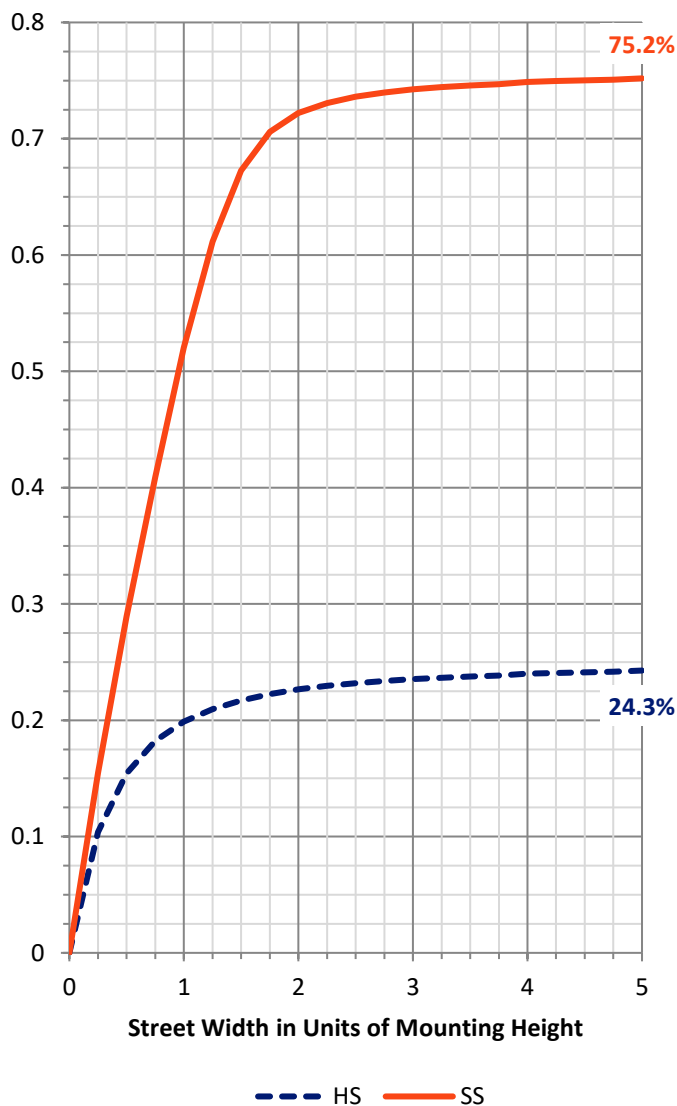
**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total   |
|--------------------|-----------|----------|--------|---------|
| <b>House Side</b>  | Lumens    | 6696.3   | 0.0    | 6696.3  |
|                    | % Fixture | 24.7     | 0.0    | 24.7    |
| <b>Street Side</b> | Lumens    | 20466.7  | 0.0    | 20466.7 |
|                    | % Fixture | 75.3     | 0.0    | 75.3    |
| <b>Total</b>       | Lumens    | 27163.0  | 0.0    | 27163.0 |
|                    | % Fixture | 100.0    | 0.0    | 100.0   |

**ZONAL LUMENS:**

| Zone      | Lumens  | % Fixture |
|-----------|---------|-----------|
| 0°-10°    | 376.0   | 1.4       |
| 10°-20°   | 1080.3  | 4.0       |
| 20°-30°   | 1807.2  | 6.7       |
| 30°-40°   | 2823.4  | 10.4      |
| 40°-50°   | 4496.6  | 16.6      |
| 50°-60°   | 6257.5  | 23.0      |
| 60°-70°   | 6545.6  | 24.1      |
| 70°-80°   | 3421.1  | 12.6      |
| 80°-90°   | 355.2   | 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°    | 27163.0 | 100.0     |
| 0°-180°   | 27163.0 | 100.0     |

**Coefficient of Utilization**



REPORT NUMBER: P941925

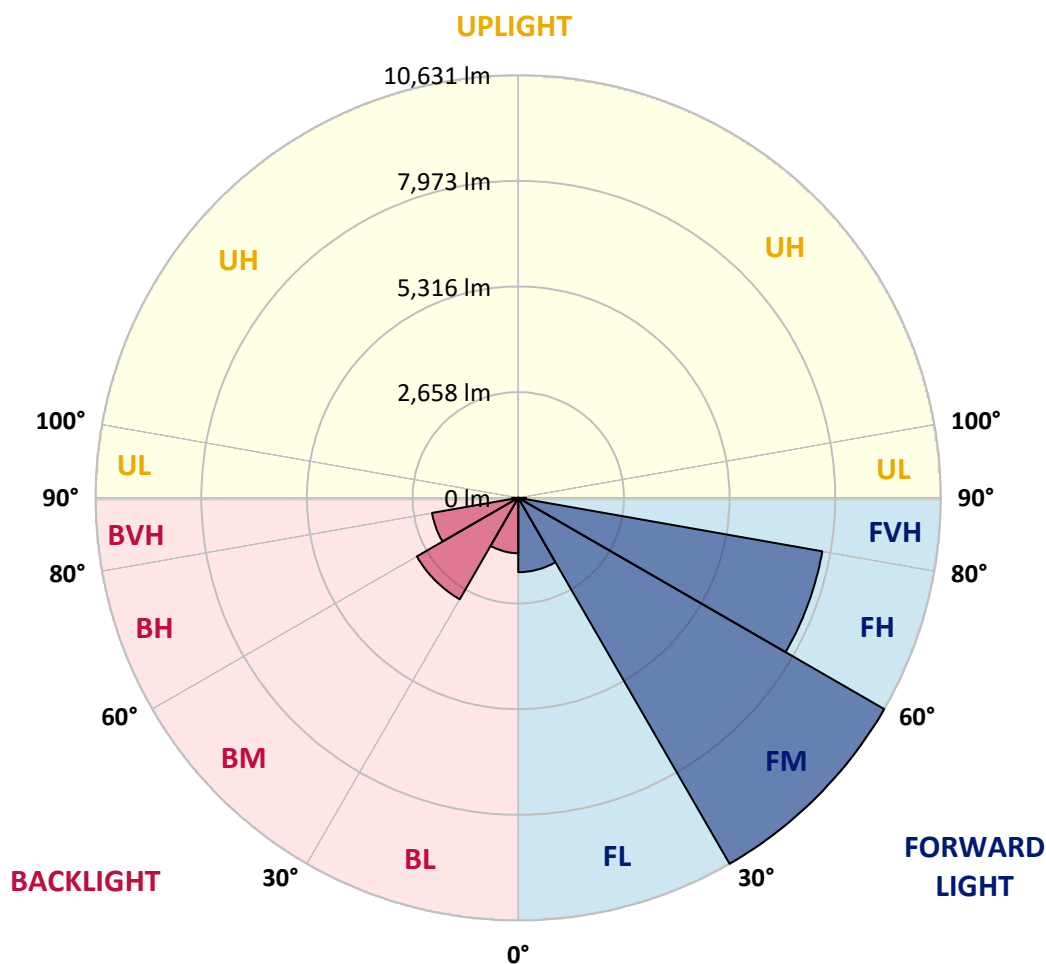
CATALOG NUMBER: GLAN-SB5C-940-U-T2

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

| Zone |             | Lumens  | % Fixture | Zone Rating/Lumen Limit |      |          |
|------|-------------|---------|-----------|-------------------------|------|----------|
|      |             |         |           | B                       | U    | G        |
| FL   | (0°-30°)    | 1870.5  | 6.9       |                         |      |          |
| FM   | (30°-60°)   | 10631.3 | 39.1      |                         |      |          |
| FH   | (60°-80°)   | 7766.0  | 28.6      |                         |      | G4/12000 |
| FVH  | (80°-90°)   | 198.9   | 0.7       |                         |      | G2/225   |
| BL   | (0°-30°)    | 1393.1  | 5.1       | B3/2500                 |      |          |
| BM   | (30°-60°)   | 2946.1  | 10.8      | B3/5000                 |      |          |
| BH   | (60°-80°)   | 2200.8  | 8.1       | B3/2500                 |      | G3/2500  |
| BVH  | (80°-90°)   | 156.4   | 0.6       |                         |      | 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 II Medium



REPORT NUMBER: P941925

CATALOG NUMBER: GLAN-SB5C-940-U-T2

**CANDELA DISTRIBUTION (FULL):**

|       | 0°      | 5°      | 15°     | 25°     | 35°     | 45°     | 55°     | 65°     | 75°     | 82°     |
|-------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 0°    | 3982.4  | 3982.4  | 3982.4  | 3982.4  | 3982.4  | 3982.4  | 3982.4  | 3982.4  | 3982.4  | 3982.4  |
| 2.5°  | 4077.6  | 4100.6  | 4093.4  | 4086.2  | 4086.2  | 4076.1  | 4074.7  | 4060.3  | 4048.7  | 4030.0  |
| 5°    | 4129.5  | 4154.0  | 4151.1  | 4156.8  | 4175.6  | 4179.9  | 4184.2  | 4175.6  | 4152.5  | 4129.5  |
| 7.5°  | 4083.3  | 4110.7  | 4119.4  | 4154.0  | 4211.6  | 4263.5  | 4302.4  | 4318.3  | 4296.6  | 4263.5  |
| 10°   | 3927.7  | 3957.9  | 3988.2  | 4070.4  | 4172.7  | 4295.2  | 4399.0  | 4461.0  | 4456.6  | 4424.9  |
| 12.5° | 3612.0  | 3643.7  | 3708.6  | 3868.6  | 4055.9  | 4272.1  | 4465.3  | 4595.0  | 4639.7  | 4616.6  |
| 15°   | 3359.8  | 3387.2  | 3436.2  | 3600.5  | 3844.1  | 4172.7  | 4489.8  | 4742.0  | 4855.9  | 4842.9  |
| 17.5° | 3352.6  | 3364.1  | 3394.4  | 3472.2  | 3659.6  | 4017.0  | 4463.8  | 4886.2  | 5103.8  | 5102.4  |
| 20°   | 3479.4  | 3483.7  | 3501.0  | 3516.9  | 3623.5  | 3898.8  | 4397.5  | 5005.8  | 5382.0  | 5382.0  |
| 22.5° | 3655.3  | 3652.4  | 3669.7  | 3655.3  | 3707.1  | 3888.7  | 4355.7  | 5111.0  | 5691.9  | 5714.9  |
| 25°   | 3919.0  | 3904.6  | 3900.3  | 3867.1  | 3877.2  | 3982.4  | 4401.9  | 5230.6  | 6059.4  | 6107.0  |
| 27.5° | 4270.7  | 4247.6  | 4231.8  | 4155.4  | 4129.5  | 4175.6  | 4543.1  | 5374.8  | 6468.8  | 6550.9  |
| 30°   | 4729.1  | 4687.3  | 4664.2  | 4531.6  | 4437.9  | 4445.1  | 4756.4  | 5566.5  | 6896.8  | 7029.4  |
| 32.5° | 5354.6  | 5289.7  | 5227.8  | 5010.1  | 4838.6  | 4782.4  | 5031.7  | 5831.7  | 7360.9  | 7572.8  |
| 35°   | 6055.1  | 6003.2  | 5936.9  | 5601.1  | 5337.3  | 5207.6  | 5403.6  | 6202.1  | 7904.3  | 8240.2  |
| 37.5° | 6729.6  | 6685.0  | 6716.7  | 6264.1  | 5923.9  | 5735.1  | 5890.8  | 6699.4  | 8574.6  | 9070.4  |
| 40°   | 7427.2  | 7392.7  | 7397.0  | 6964.6  | 6568.2  | 6356.3  | 6481.7  | 7323.5  | 9342.8  | 10057.7 |
| 42.5° | 8185.4  | 8159.5  | 8073.0  | 7689.6  | 7244.2  | 7046.7  | 7162.0  | 8044.1  | 10167.2 | 11182.0 |
| 45°   | 9034.3  | 9018.5  | 8937.8  | 8498.2  | 7987.9  | 7766.0  | 7921.6  | 8839.8  | 10996.0 | 12239.9 |
| 47.5° | 9768.0  | 9781.0  | 9770.9  | 9400.5  | 8871.5  | 8545.7  | 8731.7  | 9670.0  | 11767.1 | 13234.4 |
| 50°   | 10121.1 | 10188.9 | 10288.3 | 10173.0 | 9844.4  | 9512.9  | 9548.9  | 10471.4 | 12502.2 | 14167.0 |
| 52.5° | 9936.6  | 10064.9 | 10335.9 | 10520.4 | 10647.2 | 10578.0 | 10481.5 | 11267.0 | 13194.1 | 15008.7 |
| 55°   | 9249.1  | 9429.3  | 9879.0  | 10324.4 | 10971.5 | 11474.5 | 11601.4 | 12149.1 | 13868.6 | 15749.6 |
| 57.5° | 7996.6  | 8289.2  | 8692.8  | 9593.6  | 10683.2 | 11908.4 | 12907.2 | 13372.8 | 14583.5 | 16540.9 |
| 60°   | 5849.0  | 6241.0  | 6742.6  | 8083.1  | 9674.3  | 11676.3 | 14018.5 | 15252.3 | 15599.7 | 17565.7 |
| 62.5° | 3743.2  | 3985.3  | 4446.5  | 5709.2  | 7538.2  | 10487.2 | 14358.7 | 17601.7 | 17322.1 | 19246.3 |
| 65°   | 2562.7  | 2718.4  | 3140.7  | 3849.8  | 4873.2  | 7806.3  | 13447.7 | 19363.0 | 20057.8 | 21909.9 |
| 67.5° | 1862.2  | 1980.4  | 2340.7  | 2962.0  | 3175.3  | 4619.5  | 10435.3 | 19282.3 | 22717.0 | 24654.2 |
| 70°   | 1357.7  | 1441.3  | 1744.0  | 2340.7  | 2443.1  | 2569.9  | 6321.7  | 16391.0 | 22659.4 | 25383.5 |
| 72.5° | 1006.1  | 1063.7  | 1266.9  | 1816.1  | 1977.5  | 1735.4  | 3129.2  | 11912.7 | 19471.1 | 22959.2 |
| 75°   | 727.9   | 771.1   | 921.0   | 1389.5  | 1582.6  | 1321.7  | 1561.0  | 6961.7  | 13581.8 | 16150.3 |
| 77.5° | 556.4   | 589.5   | 687.5   | 1017.6  | 1266.9  | 991.6   | 968.6   | 3202.7  | 6439.9  | 6471.6  |
| 80°   | 446.8   | 468.4   | 521.8   | 716.3   | 971.5   | 742.3   | 631.3   | 1292.9  | 2035.2  | 1722.4  |
| 82.5° | 328.6   | 364.7   | 441.1   | 503.0   | 694.7   | 511.7   | 384.8   | 652.9   | 774.0   | 665.9   |
| 85°   | 187.4   | 211.9   | 266.6   | 360.3   | 443.9   | 312.8   | 220.5   | 289.7   | 360.3   | 295.5   |
| 87.5° | 66.3    | 86.5    | 93.7    | 141.3   | 193.1   | 129.7   | 85.0    | 83.6    | 118.2   | 87.9    |
| 90°   | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     |

REPORT NUMBER: P941925

CATALOG NUMBER: GLAN-SB5C-940-U-T2

**CANDELA DISTRIBUTION (continued):**

| 85°     |       | 90°     | 95°     | 105°   | 115°   | 125°   | 135°   | 145°   | 155°   | 165°   | 175°   |
|---------|-------|---------|---------|--------|--------|--------|--------|--------|--------|--------|--------|
| 3982.4  | 0°    | 3982.4  | 3982.4  | 3982.4 | 3982.4 | 3982.4 | 3982.4 | 3982.4 | 3982.4 | 3982.4 | 3982.4 |
| 4025.7  | 2.5°  | 4011.3  | 4004.1  | 3975.2 | 3936.3 | 3896.0 | 3857.0 | 3844.1 | 3816.7 | 3797.9 | 3787.9 |
| 4119.4  | 5°    | 4092.0  | 4068.9  | 4001.2 | 3914.7 | 3823.9 | 3725.9 | 3656.7 | 3593.3 | 3547.1 | 3503.9 |
| 4247.6  | 7.5°  | 4207.3  | 4166.9  | 4050.2 | 3898.8 | 3737.4 | 3574.5 | 3453.5 | 3361.2 | 3299.2 | 3258.9 |
| 4397.5  | 10°   | 4341.3  | 4279.4  | 4100.6 | 3874.3 | 3625.0 | 3391.5 | 3248.8 | 3169.5 | 3130.6 | 3109.0 |
| 4569.1  | 12.5° | 4495.6  | 4407.6  | 4152.5 | 3818.1 | 3453.5 | 3186.8 | 3088.8 | 3065.7 | 3067.2 | 3068.6 |
| 4785.3  | 15°   | 4685.8  | 4563.3  | 4194.3 | 3695.6 | 3230.1 | 3029.7 | 3012.4 | 3049.9 | 3088.8 | 3107.5 |
| 5030.3  | 17.5° | 4900.6  | 4727.6  | 4201.5 | 3493.8 | 3011.0 | 2928.8 | 2983.6 | 3064.3 | 3123.4 | 3149.3 |
| 5304.1  | 20°   | 5131.2  | 4894.8  | 4149.6 | 3208.4 | 2830.8 | 2846.7 | 2944.7 | 3048.4 | 3113.3 | 3146.5 |
| 5616.9  | 22.5° | 5395.0  | 5073.5  | 4025.7 | 2908.6 | 2683.8 | 2757.3 | 2872.6 | 2973.5 | 3041.2 | 3074.4 |
| 5984.5  | 25°   | 5696.2  | 5273.9  | 3831.1 | 2656.4 | 2556.9 | 2656.4 | 2771.7 | 2855.3 | 2910.1 | 2940.3 |
| 6395.2  | 27.5° | 6030.6  | 5482.9  | 3571.7 | 2456.1 | 2446.0 | 2552.6 | 2647.8 | 2712.6 | 2741.4 | 2764.5 |
| 6832.0  | 30°   | 6366.4  | 5673.1  | 3257.4 | 2304.7 | 2349.4 | 2450.3 | 2518.0 | 2546.9 | 2555.5 | 2559.8 |
| 7319.1  | 32.5° | 6729.6  | 5837.4  | 2927.4 | 2179.3 | 2257.1 | 2350.8 | 2391.2 | 2404.2 | 2363.8 | 2336.4 |
| 7910.1  | 35°   | 7169.2  | 6013.3  | 2604.5 | 2079.9 | 2166.3 | 2247.1 | 2260.0 | 2248.5 | 2200.9 | 2144.7 |
| 8651.0  | 37.5° | 7712.6  | 6232.4  | 2346.5 | 2009.2 | 2081.3 | 2134.6 | 2118.8 | 2115.9 | 2120.2 | 2053.9 |
| 9541.7  | 40°   | 8378.5  | 6517.8  | 2157.7 | 1954.5 | 2012.1 | 2023.6 | 1979.0 | 2003.5 | 2025.1 | 1924.2 |
| 10518.9 | 42.5° | 9117.9  | 6862.2  | 2038.1 | 1917.0 | 1954.5 | 1927.1 | 1857.9 | 1885.3 | 1882.4 | 1749.8 |
| 11500.5 | 45°   | 9871.8  | 7237.0  | 1996.3 | 1889.6 | 1901.1 | 1846.4 | 1770.0 | 1777.2 | 1716.6 | 1597.0 |
| 12441.7 | 47.5° | 10621.3 | 7639.1  | 2022.2 | 1866.5 | 1834.8 | 1772.9 | 1713.8 | 1682.0 | 1592.7 | 1503.3 |
| 13344.0 | 50°   | 11356.4 | 8061.4  | 2117.3 | 1820.4 | 1744.0 | 1708.0 | 1664.8 | 1608.5 | 1513.4 | 1437.0 |
| 14197.2 | 52.5° | 12038.1 | 8486.6  | 2224.0 | 1744.0 | 1630.2 | 1651.8 | 1624.4 | 1559.5 | 1465.8 | 1388.0 |
| 15004.4 | 55°   | 12683.8 | 8911.8  | 2265.8 | 1638.8 | 1523.5 | 1602.8 | 1586.9 | 1467.3 | 1354.9 | 1291.4 |
| 15849.0 | 57.5° | 13387.2 | 9423.5  | 2219.7 | 1504.8 | 1437.0 | 1546.6 | 1486.0 | 1353.4 | 1288.6 | 1241.0 |
| 16948.8 | 60°   | 14361.6 | 10226.3 | 2120.2 | 1339.0 | 1354.9 | 1463.0 | 1359.2 | 1304.4 | 1233.8 | 1180.5 |
| 18597.7 | 62.5° | 15980.2 | 11723.9 | 1960.2 | 1174.7 | 1258.3 | 1339.0 | 1298.7 | 1243.9 | 1171.8 | 1119.9 |
| 21416.9 | 65°   | 18372.8 | 13805.2 | 1659.0 | 1046.4 | 1150.2 | 1217.9 | 1233.8 | 1179.0 | 1104.1 | 1049.3 |
| 23887.4 | 67.5° | 20390.7 | 15111.1 | 1255.4 | 939.8  | 1039.2 | 1119.9 | 1164.6 | 1111.3 | 1032.0 | 978.7  |
| 24465.4 | 70°   | 20279.7 | 14162.7 | 958.5  | 834.5  | 941.2  | 1023.4 | 1081.0 | 1039.2 | 954.2  | 903.7  |
| 22222.7 | 72.5° | 18012.5 | 11847.9 | 775.4  | 727.9  | 841.7  | 922.5  | 991.6  | 959.9  | 873.5  | 824.4  |
| 16280.0 | 75°   | 13233.0 | 8410.2  | 619.8  | 619.8  | 717.8  | 817.2  | 893.6  | 873.5  | 794.2  | 759.6  |
| 6834.9  | 77.5° | 5578.0  | 3528.4  | 485.7  | 514.6  | 596.7  | 701.9  | 797.1  | 804.3  | 735.1  | 778.3  |
| 1807.4  | 80°   | 1483.1  | 972.9   | 370.4  | 405.0  | 468.4  | 579.4  | 693.3  | 690.4  | 615.5  | 575.1  |
| 671.7   | 82.5° | 565.0   | 383.4   | 263.8  | 285.4  | 338.7  | 443.9  | 549.2  | 566.4  | 491.5  | 425.2  |
| 263.8   | 85°   | 217.6   | 164.3   | 162.9  | 171.5  | 197.5  | 294.0  | 415.1  | 429.5  | 370.4  | 314.2  |
| 73.5    | 87.5° | 56.2    | 49.0    | 60.5   | 57.7   | 90.8   | 157.1  | 237.8  | 246.5  | 226.3  | 131.2  |
| 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°   |
|--------|
| 3982.4 |
| 3799.4 |
| 3521.2 |
| 3267.5 |
| 3114.7 |
| 3071.5 |
| 3106.1 |
| 3155.1 |
| 3155.1 |
| 3083.0 |
| 2949.0 |
| 2773.1 |
| 2569.9 |
| 2345.1 |
| 2147.6 |
| 2058.2 |
| 1927.1 |
| 1748.4 |
| 1601.3 |
| 1503.3 |
| 1431.3 |
| 1389.5 |
| 1285.7 |
| 1236.7 |
| 1177.6 |
| 1119.9 |
| 1052.2 |
| 980.1  |
| 908.0  |
| 824.4  |
| 749.5  |
| 706.3  |
| 534.7  |
| 425.2  |
| 324.3  |
| 187.4  |
| 0.0    |