

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: P957235

Luminaire Tested: **GLAN-SB9C-927-U-T2U-HSS**

Issue Date: 1/21/2025

**Test Information**

Test Method: LM-79-08  
Report Number: P957235  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-17)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/21/2025  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: GLAN-SB9C-927-U-T2U-HSS  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(9) 90 CRI, 2700K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE II U  
OPTICS WITH HOUSE SIDE SHIELD  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 31732 lumens  
Efficiency: N/A  
Efficacy: 70.5 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')  
IES Classification: Type II - Short  
BUG Rating: B3 - U0 - G4

Input Watts (W): 449.8  
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



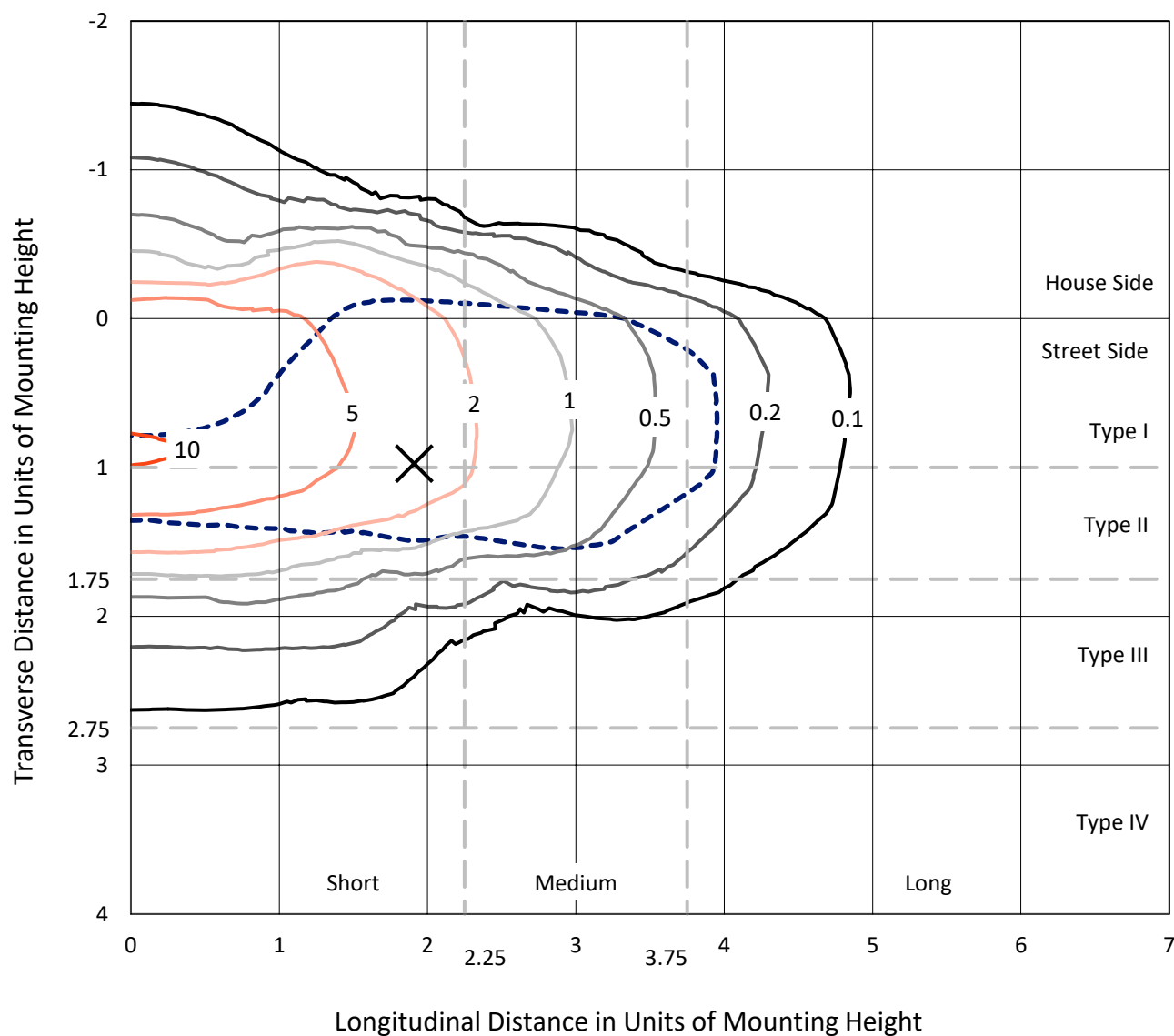
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## Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

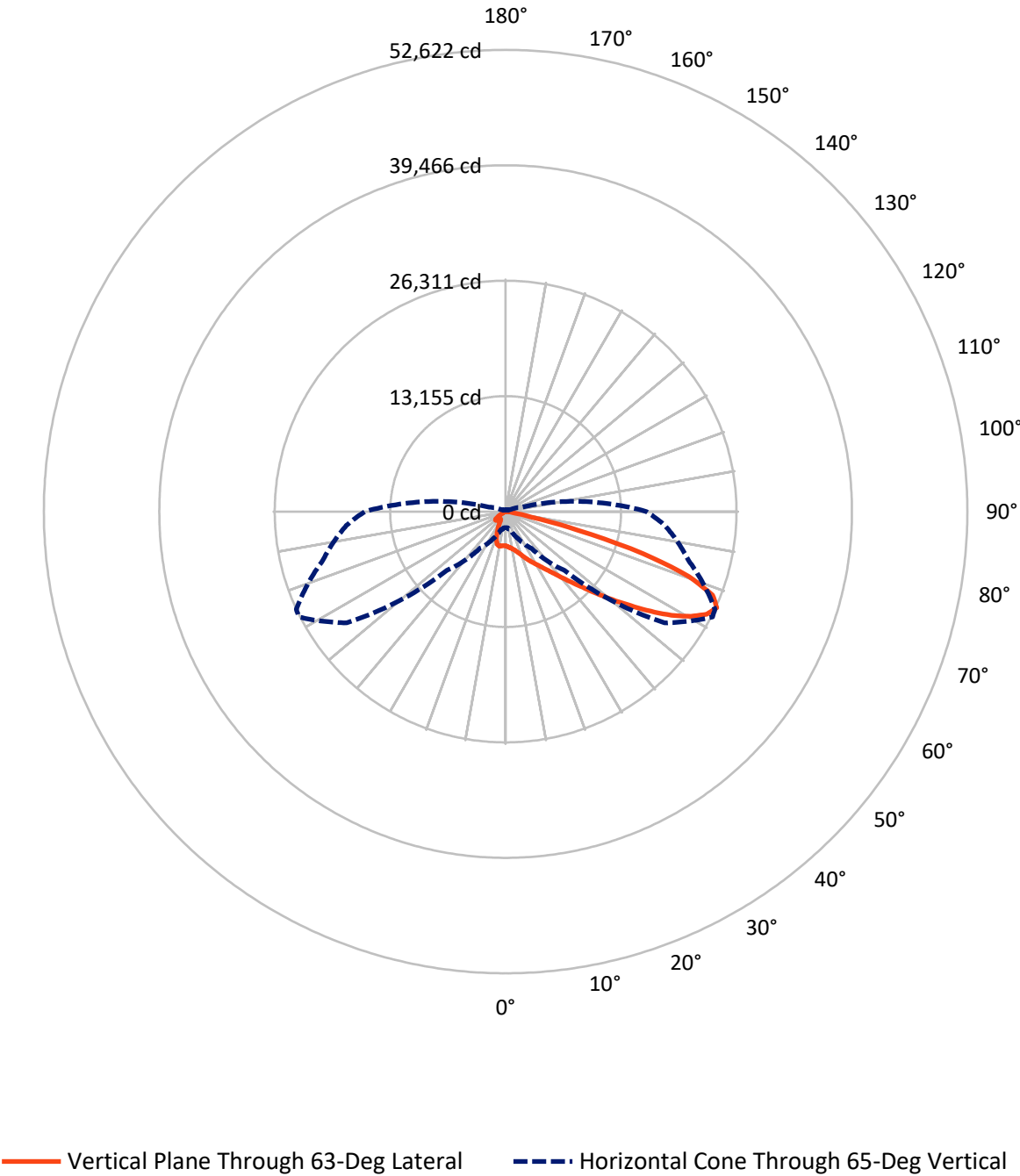


Based on 25 foot mounting height. Maximum calculated value = 10.7 fc

Type II - Short - N/A

REPORT NUMBER: P957235  
CATALOG NUMBER: GLAN-SB9C-927-U-T2U-HSS

Luminous Intensity Polar Plot



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**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total   |
|--------------------|-----------|----------|--------|---------|
| <b>House Side</b>  | Lumens    | 4664.4   | 0.0    | 4664.4  |
|                    | % Fixture | 14.7     | 0.0    | 14.7    |
| <b>Street Side</b> | Lumens    | 27067.6  | 0.0    | 27067.6 |
|                    | % Fixture | 85.3     | 0.0    | 85.3    |
| <b>Total</b>       | Lumens    | 31732.0  | 0.0    | 31732.0 |
|                    | % Fixture | 100.0    | 0.0    | 100.0   |

**ZONAL LUMENS:**

| Zone      | Lumens  | % Fixture |
|-----------|---------|-----------|
| 0°-10°    | 369.0   | 1.2       |
| 10°-20°   | 1023.8  | 3.2       |
| 20°-30°   | 1782.7  | 5.6       |
| 30°-40°   | 3213.2  | 10.1      |
| 40°-50°   | 6372.8  | 20.1      |
| 50°-60°   | 8680.7  | 27.4      |
| 60°-70°   | 6928.9  | 21.8      |
| 70°-80°   | 3135.5  | 9.9       |
| 80°-90°   | 225.4   | 0.7       |
| 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°    | 31732.0 | 100.0     |
| 0°-180°   | 31732.0 | 100.0     |

**Coefficient of Utilization**



REPORT NUMBER: P957235

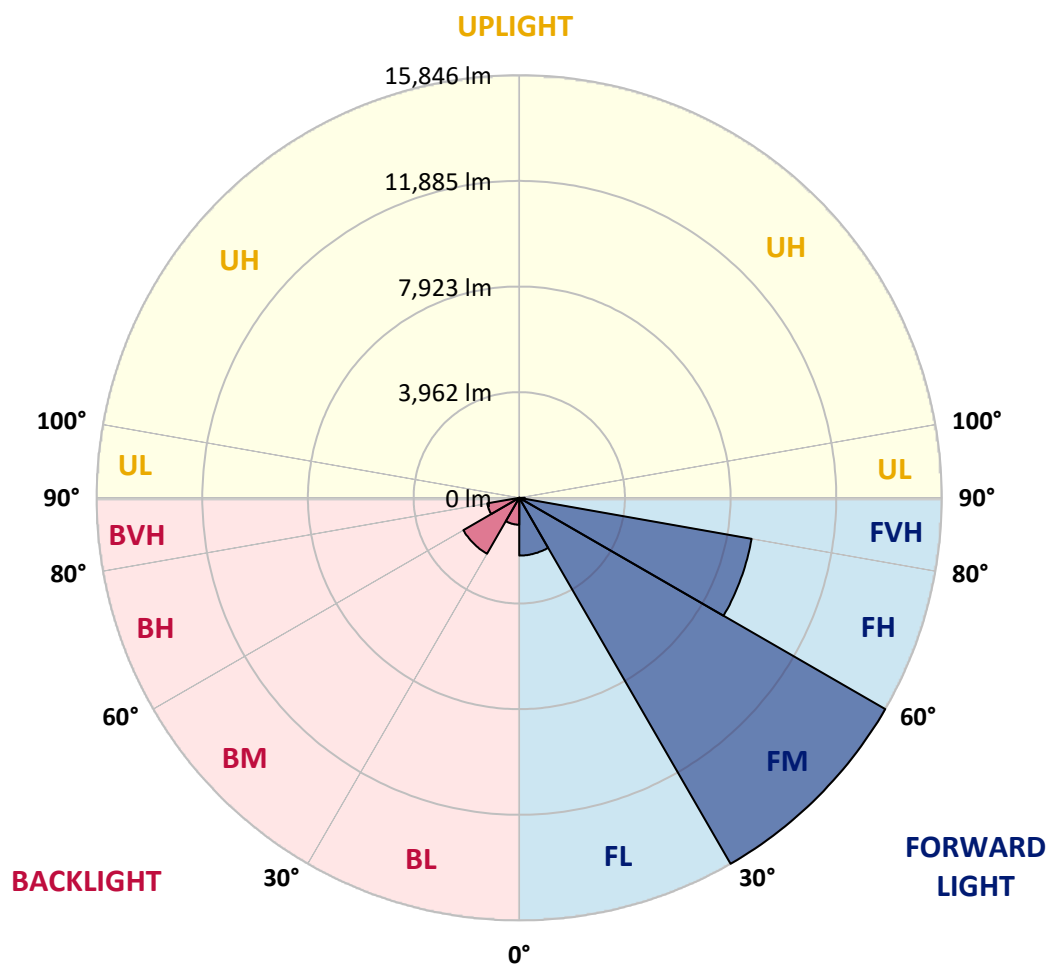
CATALOG NUMBER: GLAN-SB9C-927-U-T2U-HSS

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

| Zone |             | Lumens  | % Fixture | Zone Rating/Lumen Limit |      |          |
|------|-------------|---------|-----------|-------------------------|------|----------|
|      |             |         |           | B                       | U    | G        |
| FL   | (0°-30°)    | 2166.1  | 6.8       |                         |      |          |
| FM   | (30°-60°)   | 15846.2 | 49.9      |                         |      |          |
| FH   | (60°-80°)   | 8846.7  | 27.9      |                         |      | G4/12000 |
| FVH  | (80°-90°)   | 208.7   | 0.7       |                         |      | G2/225   |
| BL   | (0°-30°)    | 1009.4  | 3.2       | B3/2500                 |      |          |
| BM   | (30°-60°)   | 2420.5  | 7.6       | B2/2500                 |      |          |
| BH   | (60°-80°)   | 1217.7  | 3.8       | B3/2500                 |      | G3/2500  |
| BVH  | (80°-90°)   | 16.7    | 0.1       |                         |      | G1/100   |
| 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 Short



REPORT NUMBER: P957235

CATALOG NUMBER: GLAN-SB9C-927-U-T2U-HSS

**CANDELA DISTRIBUTION (FULL):**

|       | 0°      | 5°      | 15°     | 25°     | 35°     | 45°     | 55°     | 63°     | 65°     | 75°     |
|-------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 0°    | 3916.3  | 3916.3  | 3916.3  | 3916.3  | 3916.3  | 3916.3  | 3916.3  | 3916.3  | 3916.3  | 3916.3  |
| 2.5°  | 4008.0  | 3997.1  | 4012.4  | 4005.8  | 4001.5  | 3992.7  | 3988.4  | 3984.0  | 3975.3  | 3968.7  |
| 5°    | 4018.9  | 4012.4  | 4027.7  | 4040.8  | 4053.9  | 4067.0  | 4073.5  | 4082.2  | 4073.5  | 4056.0  |
| 7.5°  | 3927.2  | 3922.9  | 3955.6  | 3994.9  | 4053.9  | 4104.1  | 4158.6  | 4189.2  | 4191.4  | 4184.8  |
| 10°   | 3920.7  | 3909.8  | 3942.5  | 3990.6  | 4067.0  | 4156.5  | 4252.5  | 4318.0  | 4326.7  | 4355.1  |
| 12.5° | 4023.3  | 4012.4  | 4058.2  | 4110.6  | 4189.2  | 4283.1  | 4401.0  | 4492.6  | 4505.7  | 4545.0  |
| 15°   | 4195.8  | 4180.5  | 4232.9  | 4300.5  | 4401.0  | 4507.9  | 4632.4  | 4715.3  | 4726.2  | 4774.3  |
| 17.5° | 4396.6  | 4381.3  | 4442.4  | 4514.5  | 4623.6  | 4769.9  | 4914.0  | 5005.7  | 5018.8  | 5049.3  |
| 20°   | 4654.2  | 4634.5  | 4682.6  | 4748.1  | 4863.8  | 5038.4  | 5210.9  | 5341.8  | 5339.7  | 5339.7  |
| 22.5° | 4953.3  | 4922.7  | 4964.2  | 5016.6  | 5125.7  | 5337.5  | 5566.7  | 5721.7  | 5721.7  | 5660.6  |
| 25°   | 5274.2  | 5243.6  | 5289.4  | 5337.5  | 5433.5  | 5673.7  | 5942.2  | 6134.3  | 6143.0  | 6038.2  |
| 27.5° | 5675.8  | 5636.5  | 5671.5  | 5728.2  | 5785.0  | 6029.5  | 6348.2  | 6570.9  | 6575.2  | 6413.7  |
| 30°   | 6448.6  | 6337.3  | 6228.1  | 6167.0  | 6193.2  | 6435.5  | 6776.1  | 7022.8  | 7044.6  | 6821.9  |
| 32.5° | 7863.2  | 7841.4  | 7457.2  | 6955.1  | 6693.1  | 6872.1  | 7254.2  | 7551.0  | 7564.1  | 7278.2  |
| 35°   | 10061.5 | 10035.3 | 9417.5  | 8461.4  | 7607.8  | 7457.2  | 7834.8  | 8186.3  | 8177.6  | 7854.5  |
| 37.5° | 12685.5 | 12661.5 | 11847.2 | 10568.0 | 9186.1  | 8341.3  | 8583.6  | 8952.5  | 9007.1  | 8583.6  |
| 40°   | 14927.5 | 14838.0 | 14322.8 | 13089.4 | 11281.8 | 9808.3  | 9648.9  | 9893.4  | 9950.2  | 9448.1  |
| 42.5° | 16625.8 | 16549.4 | 16287.5 | 15516.9 | 13818.5 | 11978.2 | 10904.2 | 10998.0 | 11061.3 | 10458.8 |
| 45°   | 17505.6 | 17488.1 | 17592.9 | 17520.9 | 16403.2 | 14641.5 | 12698.6 | 12307.8 | 12331.9 | 11578.7 |
| 47.5° | 17630.0 | 17621.3 | 18099.4 | 18776.1 | 18625.5 | 17645.3 | 15001.7 | 13940.7 | 13855.6 | 12842.7 |
| 50°   | 16896.5 | 16879.1 | 17795.9 | 19064.3 | 20109.9 | 20168.9 | 17616.9 | 15781.0 | 15593.3 | 14150.3 |
| 52.5° | 14554.2 | 14549.8 | 16056.1 | 18167.0 | 20631.7 | 22378.1 | 20201.6 | 17802.5 | 17488.1 | 15534.3 |
| 55°   | 11198.9 | 11279.6 | 13006.4 | 15501.6 | 19679.9 | 23441.2 | 22522.2 | 20046.6 | 19564.2 | 16927.1 |
| 57.5° | 7933.1  | 8051.0  | 9758.1  | 11980.4 | 16728.4 | 22812.5 | 24091.8 | 22295.1 | 21775.6 | 18315.5 |
| 60°   | 4261.2  | 4366.0  | 6075.3  | 8727.7  | 12445.4 | 20467.9 | 24919.1 | 24246.7 | 23755.6 | 19634.0 |
| 62.5° | 2538.8  | 2573.8  | 3281.1  | 5634.4  | 8417.7  | 15636.9 | 24567.6 | 25733.4 | 25329.5 | 20740.8 |
| 65°   | 1822.8  | 1829.4  | 2185.2  | 3440.4  | 5110.4  | 9500.5  | 22103.0 | 26445.0 | 26320.6 | 21574.7 |
| 67.5° | 1534.7  | 1530.3  | 1678.7  | 2285.6  | 3481.9  | 4759.0  | 16940.2 | 25438.7 | 25967.0 | 22103.0 |
| 70°   | 1316.4  | 1322.9  | 1497.5  | 1674.4  | 2617.4  | 2693.8  | 8422.1  | 22148.9 | 23275.3 | 22242.7 |
| 72.5° | 980.2   | 1002.0  | 1163.5  | 1525.9  | 1975.6  | 1853.4  | 2907.8  | 16422.8 | 18459.6 | 20956.9 |
| 75°   | 692.0   | 702.9   | 818.6   | 1283.6  | 1473.5  | 1349.1  | 1484.4  | 8489.7  | 11100.6 | 16067.0 |
| 77.5° | 532.7   | 552.3   | 620.0   | 897.2   | 1451.7  | 947.4   | 908.1   | 2938.3  | 4514.5  | 9705.7  |
| 80°   | 288.2   | 323.1   | 447.5   | 648.4   | 1019.5  | 670.2   | 449.7   | 1170.1  | 1530.3  | 4538.5  |
| 82.5° | 148.4   | 165.9   | 312.2   | 467.2   | 580.7   | 585.0   | 222.7   | 486.8   | 630.9   | 1401.5  |
| 85°   | 58.9    | 72.0    | 209.6   | 257.6   | 299.1   | 288.2   | 100.4   | 196.5   | 227.0   | 388.6   |
| 87.5° | 13.1    | 21.8    | 76.4    | 58.9    | 56.8    | 61.1    | 24.0    | 45.8    | 43.7    | 45.8    |
| 90°   | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     |

REPORT NUMBER: P957235

CATALOG NUMBER: GLAN-SB9C-927-U-T2U-HSS

**CANDELA DISTRIBUTION (continued):**

| 85°     |       | 90°     | 95°     | 105°   | 115°   | 125°   | 135°   | 145°   | 155°   | 165°   | 175°   |
|---------|-------|---------|---------|--------|--------|--------|--------|--------|--------|--------|--------|
| 3916.3  | 0°    | 3916.3  | 3916.3  | 3916.3 | 3916.3 | 3916.3 | 3916.3 | 3916.3 | 3916.3 | 3916.3 | 3916.3 |
| 3942.5  | 2.5°  | 3940.3  | 3931.6  | 3907.6 | 3881.4 | 3850.8 | 3833.4 | 3822.5 | 3820.3 | 3805.0 | 3794.1 |
| 4029.8  | 5°    | 4005.8  | 3997.1  | 3951.3 | 3896.7 | 3837.7 | 3791.9 | 3748.2 | 3708.9 | 3652.2 | 3641.3 |
| 4156.5  | 7.5°  | 4136.8  | 4112.8  | 4038.6 | 3964.4 | 3853.0 | 3719.9 | 3558.3 | 3372.8 | 3206.8 | 3156.6 |
| 4324.6  | 10°   | 4298.4  | 4265.6  | 4171.7 | 4040.8 | 3794.1 | 3431.7 | 3040.9 | 2678.6 | 2390.4 | 2309.6 |
| 4523.2  | 12.5° | 4481.7  | 4453.3  | 4328.9 | 4086.6 | 3547.4 | 2890.3 | 2292.2 | 1842.5 | 1563.0 | 1493.2 |
| 4735.0  | 15°   | 4700.0  | 4658.6  | 4486.1 | 4016.7 | 3106.4 | 2196.1 | 1574.0 | 1307.6 | 1207.2 | 1194.1 |
| 4977.3  | 17.5° | 4931.4  | 4863.8  | 4625.8 | 3765.7 | 2512.6 | 1560.9 | 1215.9 | 1139.5 | 1095.9 | 1082.8 |
| 5221.8  | 20°   | 5143.2  | 5055.9  | 4708.8 | 3385.9 | 1877.4 | 1215.9 | 1089.3 | 1039.1 | 999.8  | 984.5  |
| 5466.3  | 22.5° | 5354.9  | 5230.5  | 4708.8 | 2868.5 | 1408.0 | 1078.4 | 999.8  | 954.0  | 908.1  | 888.5  |
| 5728.2  | 25°   | 5575.4  | 5409.5  | 4625.8 | 2292.2 | 1133.0 | 988.9  | 914.7  | 864.5  | 825.2  | 801.2  |
| 5977.1  | 27.5° | 5789.4  | 5560.1  | 4435.9 | 1746.4 | 1008.6 | 910.3  | 836.1  | 788.1  | 751.0  | 733.5  |
| 6247.8  | 30°   | 5992.4  | 5708.6  | 4169.6 | 1325.1 | 927.8  | 833.9  | 764.1  | 722.6  | 685.5  | 668.0  |
| 6599.3  | 32.5° | 6267.4  | 5896.3  | 3885.8 | 1087.1 | 857.9  | 761.9  | 698.6  | 659.3  | 626.5  | 613.4  |
| 7055.5  | 35°   | 6649.5  | 6173.6  | 3641.3 | 1067.5 | 799.0  | 702.9  | 639.6  | 602.5  | 569.8  | 558.9  |
| 7644.9  | 37.5° | 7190.9  | 6621.1  | 3512.5 | 1198.5 | 751.0  | 650.5  | 591.6  | 552.3  | 521.7  | 513.0  |
| 8393.7  | 40°   | 7858.9  | 7228.0  | 3582.3 | 1329.5 | 718.2  | 604.7  | 547.9  | 508.6  | 482.4  | 471.5  |
| 9253.8  | 42.5° | 8651.3  | 7976.7  | 3968.7 | 1429.9 | 696.4  | 565.4  | 506.5  | 462.8  | 445.3  | 441.0  |
| 10229.6 | 45°   | 9561.6  | 8799.7  | 4560.3 | 1536.8 | 661.5  | 528.3  | 465.0  | 432.2  | 419.1  | 417.0  |
| 11290.6 | 47.5° | 10596.4 | 9703.5  | 5245.8 | 1670.0 | 626.5  | 493.4  | 432.2  | 410.4  | 399.5  | 395.1  |
| 12397.3 | 50°   | 11622.4 | 10613.8 | 5950.9 | 1744.2 | 598.1  | 460.6  | 406.0  | 388.6  | 379.8  | 377.7  |
| 13567.4 | 52.5° | 12696.4 | 11550.3 | 6520.7 | 1674.4 | 574.1  | 434.4  | 384.2  | 371.1  | 362.4  | 360.2  |
| 14645.8 | 55°   | 13720.2 | 12307.8 | 6618.9 | 1421.1 | 526.1  | 408.2  | 360.2  | 353.6  | 342.7  | 342.7  |
| 15739.5 | 57.5° | 14602.2 | 12687.7 | 5924.7 | 1043.5 | 478.1  | 368.9  | 336.2  | 329.6  | 320.9  | 318.7  |
| 16726.3 | 60°   | 15412.1 | 12578.5 | 4573.4 | 702.9  | 425.7  | 329.6  | 305.6  | 301.3  | 292.5  | 281.6  |
| 17584.2 | 62.5° | 15868.3 | 12098.3 | 3128.3 | 458.4  | 373.3  | 288.2  | 270.7  | 268.5  | 248.9  | 227.0  |
| 18219.4 | 65°   | 16040.8 | 11111.5 | 1951.6 | 334.0  | 312.2  | 246.7  | 233.6  | 229.2  | 200.8  | 176.8  |
| 18579.6 | 67.5° | 15890.2 | 9487.4  | 984.5  | 264.1  | 246.7  | 205.2  | 192.1  | 192.1  | 172.5  | 150.6  |
| 18557.8 | 70°   | 15287.7 | 7112.3  | 414.8  | 211.8  | 189.9  | 157.2  | 157.2  | 165.9  | 146.3  | 122.2  |
| 17595.1 | 72.5° | 13980.0 | 4785.2  | 220.5  | 161.5  | 141.9  | 111.3  | 128.8  | 135.3  | 115.7  | 91.7   |
| 14401.3 | 75°   | 11113.7 | 2918.7  | 152.8  | 120.1  | 89.5   | 78.6   | 98.2   | 102.6  | 78.6   | 61.1   |
| 9873.8  | 77.5° | 7601.3  | 1676.6  | 102.6  | 76.4   | 56.8   | 45.8   | 67.7   | 63.3   | 41.5   | 28.4   |
| 3807.2  | 80°   | 3337.8  | 698.6   | 58.9   | 34.9   | 21.8   | 17.5   | 24.0   | 17.5   | 13.1   | 8.7    |
| 521.7   | 82.5° | 390.8   | 163.7   | 21.8   | 13.1   | 8.7    | 4.4    | 2.2    | 0.0    | 0.0    | 0.0    |
| 159.4   | 85°   | 80.8    | 19.6    | 10.9   | 4.4    | 2.2    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 28.4    | 87.5° | 15.3    | 4.4     | 2.2    | 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°   |
|--------|
| 3916.3 |
| 3805.0 |
| 3636.9 |
| 3132.6 |
| 2279.1 |
| 1473.5 |
| 1181.0 |
| 1076.2 |
| 975.8  |
| 877.6  |
| 792.4  |
| 733.5  |
| 670.2  |
| 613.4  |
| 558.9  |
| 510.8  |
| 469.3  |
| 441.0  |
| 414.8  |
| 395.1  |
| 377.7  |
| 360.2  |
| 340.6  |
| 316.5  |
| 279.4  |
| 222.7  |
| 174.6  |
| 148.4  |
| 120.1  |
| 91.7   |
| 58.9   |
| 30.6   |
| 8.7    |
| 0.0    |
| 0.0    |
| 0.0    |
| 0.0    |