

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: P941822

Luminaire Tested: **GLAN-SB5C-750-U-SL4**

Issue Date: 1/21/2025

### Test Information

Test Method: LM-79-08  
Report Number: P941822  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-9)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/21/2025  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: GLAN-SB5C-750-U-SL4  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(5) 70 CRI, 5000K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE IV SPILL  
LIGHT ELIMINATOR OPTICS  
Light Source: -  
Ballast/Driver: -

### Summary

Lumens per Lamp: N/A  
Luminaire Lumens: 39674 lumens  
Efficiency: N/A  
Efficacy: 159.0 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')  
IES Classification: Type IV - Medium  
BUG Rating: B4 - U0 - G5

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



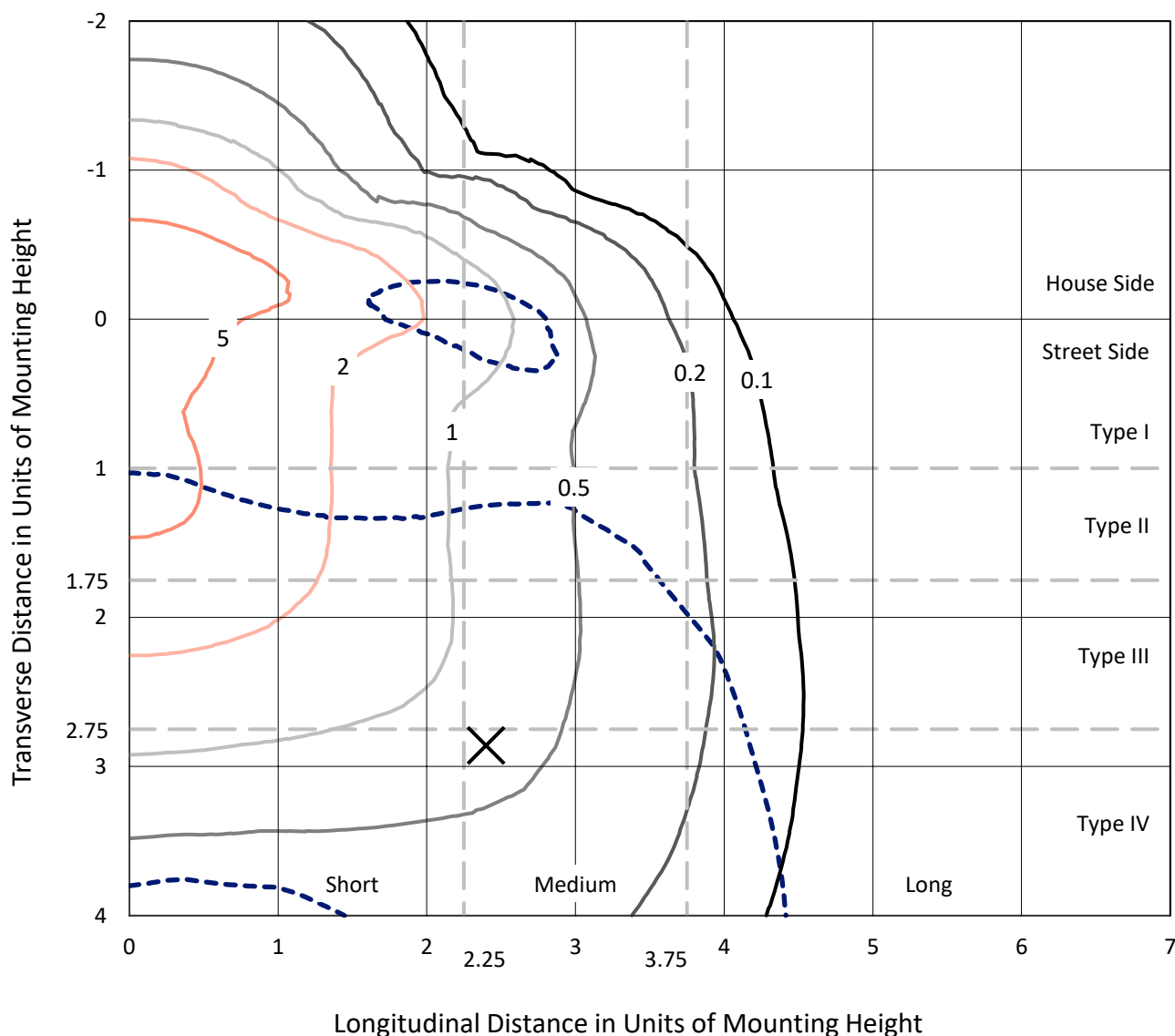
REPORT NUMBER: P941822

CATALOG NUMBER: GLAN-SB5C-750-U-SL4

## Iso-Footcandle Lines of Horizontal Illumination

× Max cd

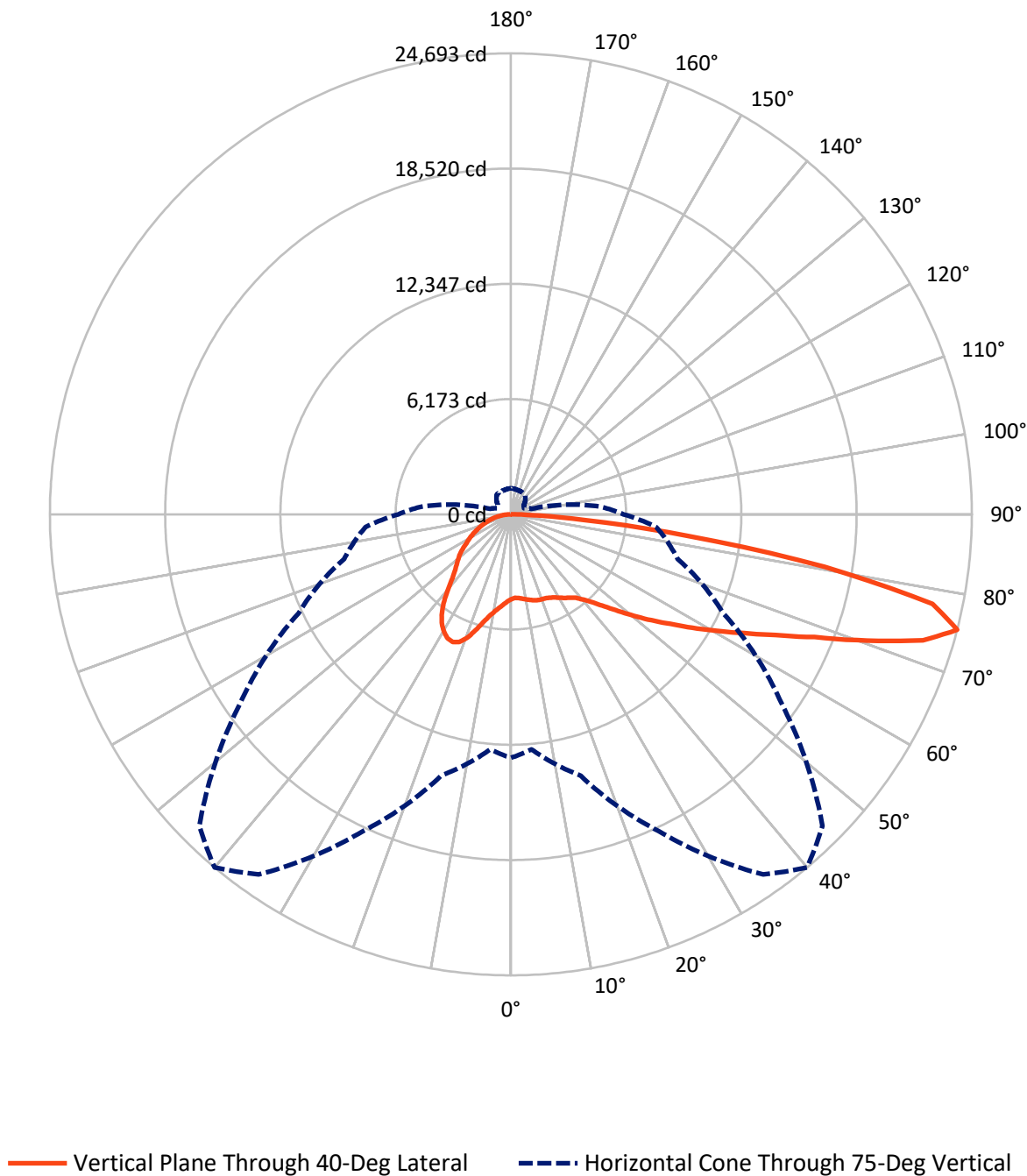
--- 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 9.4 fc  
Type IV - Medium - N/A

REPORT NUMBER: P941822  
CATALOG NUMBER: GLAN-SB5C-750-U-SL4

## Luminous Intensity Polar Plot



REPORT NUMBER: P941822

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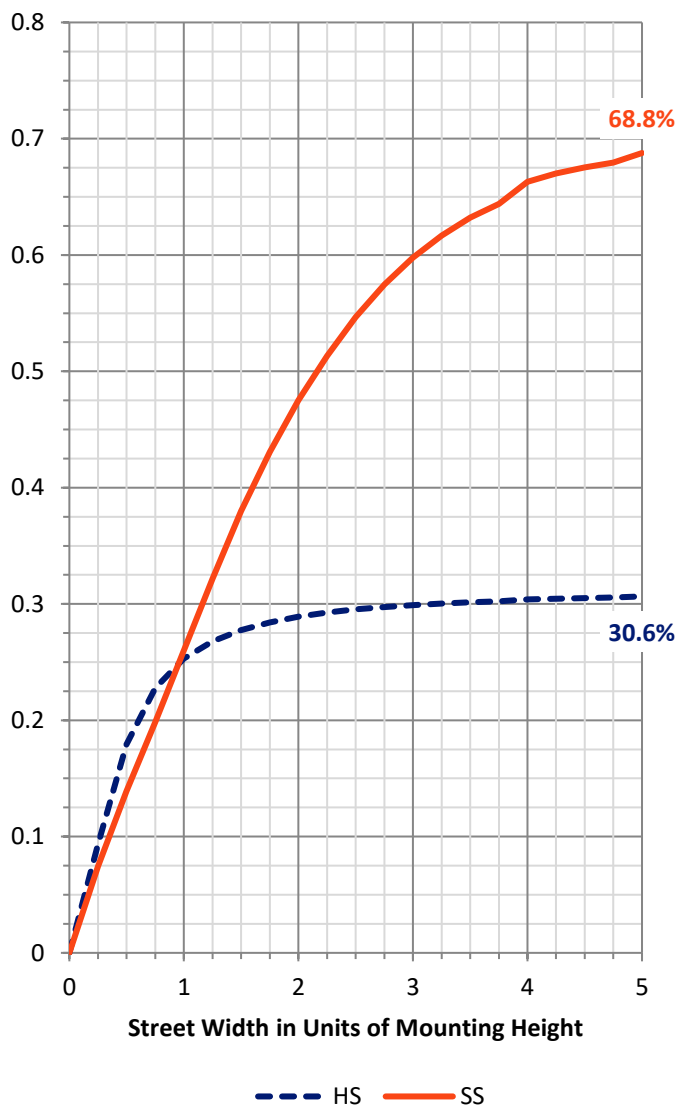
**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total   |
|--------------------|-----------|----------|--------|---------|
| <b>House Side</b>  | Lumens    | 12292.3  | 0.0    | 12292.3 |
|                    | % Fixture | 31.0     | 0.0    | 31.0    |
| <b>Street Side</b> | Lumens    | 27381.7  | 0.0    | 27381.7 |
|                    | % Fixture | 69.0     | 0.0    | 69.0    |
| <b>Total</b>       | Lumens    | 39674.0  | 0.0    | 39674.0 |
|                    | % Fixture | 100.0    | 0.0    | 100.0   |

**ZONAL LUMENS:**

| Zone      | Lumens  | % Fixture |
|-----------|---------|-----------|
| 0°-10°    | 452.9   | 1.1       |
| 10°-20°   | 1520.4  | 3.8       |
| 20°-30°   | 2776.2  | 7.0       |
| 30°-40°   | 3937.4  | 9.9       |
| 40°-50°   | 5316.7  | 13.4      |
| 50°-60°   | 7152.4  | 18.0      |
| 60°-70°   | 9078.1  | 22.9      |
| 70°-80°   | 8238.9  | 20.8      |
| 80°-90°   | 1201.0  | 3.0       |
| 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°    | 39674.0 | 100.0     |
| 0°-180°   | 39674.0 | 100.0     |

**Coefficient of Utilization**



REPORT NUMBER: P941822

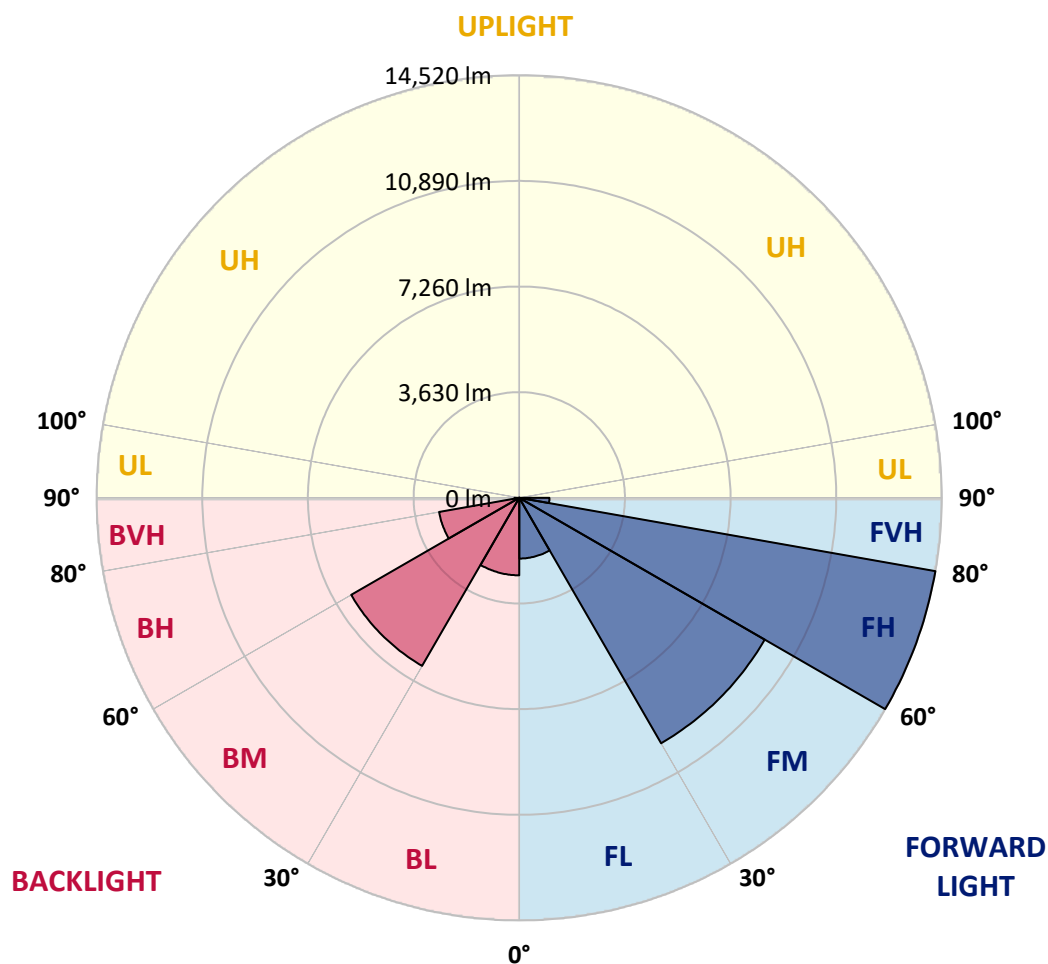
CATALOG NUMBER: GLAN-SB5C-750-U-SL4

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

| Zone |             | Lumens  | % Fixture | Zone Rating/Lumen Limit |      |         |
|------|-------------|---------|-----------|-------------------------|------|---------|
|      |             |         |           | B                       | U    | G       |
| FL   | (0°-30°)    | 2086.9  | 5.3       |                         |      |         |
| FM   | (30°-60°)   | 9739.1  | 24.5      |                         |      |         |
| FH   | (60°-80°)   | 14520.1 | 36.6      |                         |      | G5      |
| FVH  | (80°-90°)   | 1035.6  | 2.6       |                         |      | G5      |
| BL   | (0°-30°)    | 2662.6  | 6.7       | B4/5000                 |      |         |
| BM   | (30°-60°)   | 6667.5  | 16.8      | B4/8500                 |      |         |
| BH   | (60°-80°)   | 2796.9  | 7.0       | B4/5000                 |      | G4/5000 |
| BVH  | (80°-90°)   | 165.3   | 0.4       |                         |      | G2/225  |
| UL   | (90°-100°)  | 0.0     | 0.0       |                         | U0/0 |         |
| UH   | (100°-180°) | 0.0     | 0.0       |                         | U0/0 |         |

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

Type IV Medium



REPORT NUMBER: P941822

CATALOG NUMBER: GLAN-SB5C-750-U-SL4

**CANDELA DISTRIBUTION (FULL):**

|       | 0°      | 5°      | 15°     | 25°     | 35°     | 40°     | 45°     | 55°     | 65°     | 75°     |
|-------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 0°    | 4536.8  | 4536.8  | 4536.8  | 4536.8  | 4536.8  | 4536.8  | 4536.8  | 4536.8  | 4536.8  | 4536.8  |
| 2.5°  | 4467.3  | 4492.6  | 4486.3  | 4477.9  | 4477.9  | 4480.0  | 4477.9  | 4492.6  | 4507.3  | 4522.0  |
| 5°    | 4513.6  | 4538.9  | 4526.3  | 4515.7  | 4507.3  | 4505.2  | 4498.9  | 4496.8  | 4505.2  | 4524.1  |
| 7.5°  | 4604.1  | 4629.4  | 4610.4  | 4591.5  | 4574.7  | 4566.2  | 4557.8  | 4545.2  | 4538.9  | 4549.4  |
| 10°   | 4705.1  | 4730.4  | 4707.2  | 4673.6  | 4646.2  | 4635.7  | 4627.3  | 4614.6  | 4606.2  | 4612.5  |
| 12.5° | 4806.1  | 4831.4  | 4799.8  | 4753.5  | 4717.7  | 4711.4  | 4700.9  | 4696.7  | 4694.6  | 4692.5  |
| 15°   | 4900.8  | 4921.9  | 4881.9  | 4827.2  | 4789.3  | 4778.8  | 4768.2  | 4774.6  | 4785.1  | 4797.7  |
| 17.5° | 4974.5  | 4995.5  | 4936.6  | 4865.0  | 4829.3  | 4825.1  | 4818.7  | 4839.8  | 4869.2  | 4900.8  |
| 20°   | 5041.8  | 5062.8  | 4987.1  | 4890.3  | 4848.2  | 4848.2  | 4850.3  | 4894.5  | 4936.6  | 4982.9  |
| 22.5° | 5136.5  | 5153.3  | 5060.7  | 4928.2  | 4867.1  | 4871.4  | 4888.2  | 4932.4  | 4985.0  | 5048.1  |
| 25°   | 5277.5  | 5290.1  | 5176.5  | 4999.7  | 4930.3  | 4942.9  | 4957.6  | 4978.7  | 5029.2  | 5102.8  |
| 27.5° | 5504.7  | 5515.3  | 5365.9  | 5126.0  | 5020.8  | 5041.8  | 5062.8  | 5048.1  | 5071.3  | 5134.4  |
| 30°   | 5824.6  | 5830.9  | 5641.5  | 5323.8  | 5174.4  | 5184.9  | 5189.1  | 5128.1  | 5083.9  | 5134.4  |
| 32.5° | 6203.3  | 6201.2  | 5976.1  | 5563.7  | 5349.0  | 5338.5  | 5302.7  | 5182.8  | 5079.7  | 5123.9  |
| 35°   | 6790.4  | 6767.3  | 6476.9  | 5900.3  | 5546.8  | 5481.6  | 5397.4  | 5243.8  | 5100.7  | 5113.3  |
| 37.5° | 7762.6  | 7691.1  | 7289.1  | 6451.6  | 5841.4  | 5675.2  | 5551.0  | 5342.7  | 5147.0  | 5109.1  |
| 40°   | 8858.9  | 8768.4  | 8326.5  | 7207.1  | 6283.3  | 6016.1  | 5816.2  | 5483.7  | 5222.8  | 5128.1  |
| 42.5° | 10159.3 | 10031.0 | 9555.4  | 8097.2  | 6843.0  | 6455.9  | 6154.9  | 5662.6  | 5334.3  | 5189.1  |
| 45°   | 11756.5 | 11586.0 | 10912.7 | 9100.9  | 7548.0  | 7032.4  | 6630.5  | 5934.0  | 5504.7  | 5306.9  |
| 47.5° | 13370.4 | 13412.5 | 12455.1 | 10249.8 | 8393.9  | 7743.7  | 7226.0  | 6342.2  | 5753.0  | 5496.3  |
| 50°   | 15085.4 | 15114.9 | 13989.1 | 11522.9 | 9353.4  | 8547.5  | 7895.2  | 6798.8  | 6098.1  | 5765.7  |
| 52.5° | 16423.7 | 16427.9 | 15382.1 | 12854.9 | 10352.9 | 9431.3  | 8616.9  | 7320.7  | 6497.9  | 6123.4  |
| 55°   | 17261.2 | 17250.7 | 16358.5 | 14115.3 | 11501.9 | 10359.2 | 9416.5  | 7914.1  | 6986.1  | 6544.2  |
| 57.5° | 17869.3 | 17837.8 | 17031.8 | 15199.0 | 12726.5 | 11455.6 | 10321.4 | 8587.5  | 7562.7  | 7045.0  |
| 60°   | 18100.8 | 18081.9 | 17488.5 | 16135.4 | 14014.3 | 12667.6 | 11365.1 | 9340.8  | 8217.1  | 7636.3  |
| 62.5° | 18189.2 | 18225.0 | 17936.7 | 17042.4 | 15392.6 | 14010.1 | 12511.9 | 10241.4 | 8953.6  | 8305.5  |
| 65°   | 18500.6 | 18565.8 | 18506.9 | 18229.2 | 16949.8 | 15582.0 | 14033.3 | 11312.5 | 9757.4  | 9023.0  |
| 67.5° | 19117.2 | 19182.4 | 19207.6 | 19649.5 | 18852.0 | 17541.1 | 15931.3 | 12646.6 | 10698.0 | 9768.0  |
| 70°   | 19102.4 | 19083.5 | 19529.6 | 20779.5 | 21234.0 | 20253.5 | 18490.1 | 14287.9 | 11819.6 | 10386.6 |
| 72.5° | 17387.5 | 17236.0 | 18290.2 | 20766.9 | 23216.3 | 23085.8 | 21614.9 | 16404.8 | 12787.6 | 10462.4 |
| 75°   | 13044.3 | 12640.3 | 14502.5 | 18715.2 | 23546.6 | 24693.4 | 23601.3 | 17717.8 | 12558.2 | 9244.0  |
| 77.5° | 5578.4  | 5172.3  | 7367.0  | 13854.4 | 21074.1 | 23083.7 | 21779.0 | 15457.9 | 10024.7 | 6112.9  |
| 80°   | 1460.4  | 1458.2  | 2226.3  | 6281.2  | 14332.1 | 17046.6 | 14954.9 | 9982.6  | 5727.8  | 2184.2  |
| 82.5° | 603.9   | 589.2   | 818.6   | 2443.0  | 7003.0  | 9565.9  | 7806.8  | 4452.6  | 2068.5  | 591.3   |
| 85°   | 225.2   | 223.1   | 397.7   | 843.8   | 2470.4  | 3945.5  | 2855.5  | 1138.4  | 515.5   | 288.3   |
| 87.5° | 63.1    | 61.0    | 86.3    | 292.5   | 601.8   | 913.2   | 488.2   | 187.3   | 145.2   | 113.6   |
| 90°   | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     |

REPORT NUMBER: P941822

CATALOG NUMBER: GLAN-SB5C-750-U-SL4

**CANDELA DISTRIBUTION (continued):**

| 85°     |       | 90°     | 95°     | 105°    | 115°   | 125°   | 135°   | 145°   | 155°   | 165°   | 175°   |
|---------|-------|---------|---------|---------|--------|--------|--------|--------|--------|--------|--------|
| 4536.8  | 0°    | 4536.8  | 4536.8  | 4536.8  | 4536.8 | 4536.8 | 4536.8 | 4536.8 | 4536.8 | 4536.8 | 4536.8 |
| 4545.2  | 2.5°  | 4551.5  | 4562.0  | 4581.0  | 4595.7 | 4614.6 | 4635.7 | 4665.1 | 4684.1 | 4703.0 | 4715.6 |
| 4555.7  | 5°    | 4570.4  | 4593.6  | 4642.0  | 4690.4 | 4747.2 | 4799.8 | 4860.8 | 4905.0 | 4940.8 | 4951.3 |
| 4593.6  | 7.5°  | 4612.5  | 4650.4  | 4732.5  | 4814.5 | 4905.0 | 4991.3 | 5079.7 | 5155.4 | 5216.4 | 5239.6 |
| 4660.9  | 10°   | 4686.2  | 4736.7  | 4852.4  | 4968.1 | 5088.1 | 5220.7 | 5334.3 | 5443.7 | 5530.0 | 5565.8 |
| 4740.9  | 12.5° | 4778.8  | 4841.9  | 4993.4  | 5153.3 | 5319.6 | 5502.6 | 5649.9 | 5784.6 | 5891.9 | 5940.3 |
| 4852.4  | 15°   | 4898.7  | 4980.8  | 5174.4  | 5389.0 | 5633.1 | 5887.7 | 6075.0 | 6224.4 | 6344.3 | 6403.2 |
| 4968.1  | 17.5° | 5029.2  | 5138.6  | 5382.7  | 5706.7 | 6056.0 | 6390.6 | 6609.5 | 6718.9 | 6843.0 | 6899.9 |
| 5075.5  | 20°   | 5155.4  | 5290.1  | 5639.4  | 6110.8 | 6575.8 | 6931.4 | 7108.2 | 7137.6 | 7146.1 | 7152.4 |
| 5176.5  | 22.5° | 5285.9  | 5466.9  | 5961.4  | 6620.0 | 7118.7 | 7364.9 | 7390.1 | 7263.9 | 7087.1 | 7005.1 |
| 5275.4  | 25°   | 5429.0  | 5668.9  | 6382.2  | 7181.8 | 7585.8 | 7615.3 | 7421.7 | 7114.5 | 6779.9 | 6626.3 |
| 5355.3  | 27.5° | 5567.9  | 5902.4  | 6887.2  | 7718.4 | 7922.5 | 7663.7 | 7247.1 | 6811.5 | 6407.5 | 6245.4 |
| 5412.1  | 30°   | 5706.7  | 6169.7  | 7444.9  | 8187.7 | 8076.1 | 7543.8 | 6971.4 | 6485.3 | 6079.2 | 5908.7 |
| 5462.6  | 32.5° | 5847.7  | 6481.1  | 8086.7  | 8526.4 | 8048.8 | 7289.1 | 6628.4 | 6119.2 | 5761.5 | 5582.6 |
| 5506.8  | 35°   | 6007.6  | 6864.1  | 8694.8  | 8711.6 | 7865.7 | 6914.6 | 6176.0 | 5681.5 | 5370.1 | 5227.0 |
| 5559.4  | 37.5° | 6216.0  | 7350.2  | 9231.4  | 8757.9 | 7545.9 | 6365.4 | 5614.2 | 5163.8 | 4907.1 | 4841.9 |
| 5637.3  | 40°   | 6474.8  | 7935.1  | 9641.7  | 8684.3 | 7072.4 | 5698.3 | 4999.7 | 4639.9 | 4494.7 | 4509.4 |
| 5742.5  | 42.5° | 6811.5  | 8589.6  | 9930.0  | 8494.9 | 6413.8 | 5010.2 | 4461.0 | 4301.1 | 4370.5 | 4429.5 |
| 5900.3  | 45°   | 7249.2  | 9269.2  | 10108.8 | 8172.9 | 5668.9 | 4427.4 | 4143.3 | 4181.2 | 4233.8 | 4240.1 |
| 6154.9  | 47.5° | 7808.9  | 9957.3  | 10226.7 | 7686.8 | 4909.2 | 4017.0 | 3941.3 | 3949.7 | 3939.2 | 3895.0 |
| 6535.8  | 50°   | 8507.5  | 10626.5 | 10331.9 | 7042.9 | 4263.2 | 3760.3 | 3659.3 | 3629.8 | 3484.6 | 3341.6 |
| 7042.9  | 52.5° | 9302.9  | 11240.9 | 10376.1 | 6243.3 | 3760.3 | 3545.7 | 3381.5 | 3196.4 | 2924.9 | 2880.7 |
| 7680.5  | 55°   | 10186.7 | 11809.1 | 10262.5 | 5260.6 | 3337.3 | 3270.0 | 3021.7 | 2798.7 | 2769.2 | 2731.3 |
| 8520.1  | 57.5° | 11243.0 | 12421.4 | 10031.0 | 4164.3 | 2903.9 | 2948.1 | 2706.1 | 2731.3 | 2678.7 | 2619.8 |
| 9599.6  | 60°   | 12398.3 | 13054.8 | 9624.9  | 3164.8 | 2455.7 | 2546.1 | 2624.0 | 2621.9 | 2607.2 | 2558.8 |
| 10738.0 | 62.5° | 13437.8 | 13471.4 | 8825.2  | 2424.1 | 2062.2 | 2234.7 | 2447.2 | 2445.1 | 2432.5 | 2405.2 |
| 11926.9 | 65°   | 14056.4 | 13408.3 | 7491.1  | 1908.6 | 1738.1 | 1978.0 | 2207.4 | 2224.2 | 2226.3 | 2224.2 |
| 12821.2 | 67.5° | 13947.0 | 12669.7 | 5660.4  | 1519.3 | 1470.9 | 1717.1 | 1969.6 | 1992.7 | 2009.6 | 2013.8 |
| 12934.9 | 70°   | 12709.7 | 11047.3 | 3690.9  | 1212.1 | 1233.1 | 1487.7 | 1744.4 | 1767.6 | 1782.3 | 1799.1 |
| 11224.1 | 72.5° | 9906.8  | 8122.4  | 2112.7  | 980.6  | 1024.8 | 1289.9 | 1521.4 | 1548.7 | 1557.1 | 1588.7 |
| 7811.0  | 75°   | 6037.1  | 4776.7  | 1140.5  | 772.3  | 841.7  | 1102.6 | 1300.4 | 1332.0 | 1346.7 | 1384.6 |
| 3836.1  | 77.5° | 2870.2  | 2068.5  | 650.2   | 601.8  | 677.6  | 900.6  | 1098.4 | 1134.2 | 1094.2 | 1115.3 |
| 1058.4  | 80°   | 970.1   | 768.1   | 410.3   | 458.7  | 517.6  | 702.8  | 879.6  | 915.4  | 831.2  | 827.0  |
| 351.4   | 82.5° | 338.8   | 311.4   | 260.9   | 305.1  | 334.6  | 502.9  | 664.9  | 711.2  | 618.7  | 616.5  |
| 157.8   | 85°   | 132.6   | 126.3   | 145.2   | 166.2  | 199.9  | 309.3  | 437.7  | 460.8  | 380.9  | 307.2  |
| 46.3    | 87.5° | 27.4    | 29.5    | 35.8    | 37.9   | 61.0   | 107.3  | 157.8  | 193.6  | 153.6  | 130.5  |
| 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°   |
|--------|
| 4536.8 |
| 4707.2 |
| 4955.5 |
| 5241.7 |
| 5567.9 |
| 5940.3 |
| 6399.0 |
| 6897.7 |
| 7169.2 |
| 7028.2 |
| 6649.4 |
| 6264.4 |
| 5927.7 |
| 5605.7 |
| 5258.5 |
| 4888.2 |
| 4559.9 |
| 4484.2 |
| 4282.2 |
| 3928.6 |
| 3360.5 |
| 2895.5 |
| 2737.6 |
| 2609.3 |
| 2541.9 |
| 2394.6 |
| 2224.2 |
| 2018.0 |
| 1807.6 |
| 1601.3 |
| 1388.8 |
| 1098.4 |
| 818.6  |
| 587.1  |
| 303.0  |
| 119.9  |
| 0.0    |