

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: P453046

Luminaire Tested: **GLAN-SA4A-740-U-SLR-HSS**

Issue Date: 1/4/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P453046  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-042-23)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/4/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: GLAN-SA4A-740-U-SLR-HSS  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(4) 70 CRI, 4000K, 615mA LIGHTSQUARES WITH 16 LEDS EACH AND SPILL LIGHT  
ELIMINATOR RIGHT OPTICS WITH HOUSE SIDE SHIELD  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 12992 lumens  
Efficiency: N/A  
Efficacy: 107.4 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')  
IES Classification: Type IV - Short  
BUG Rating: B1 - U0 - G2

Input Watts (W): 121  
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



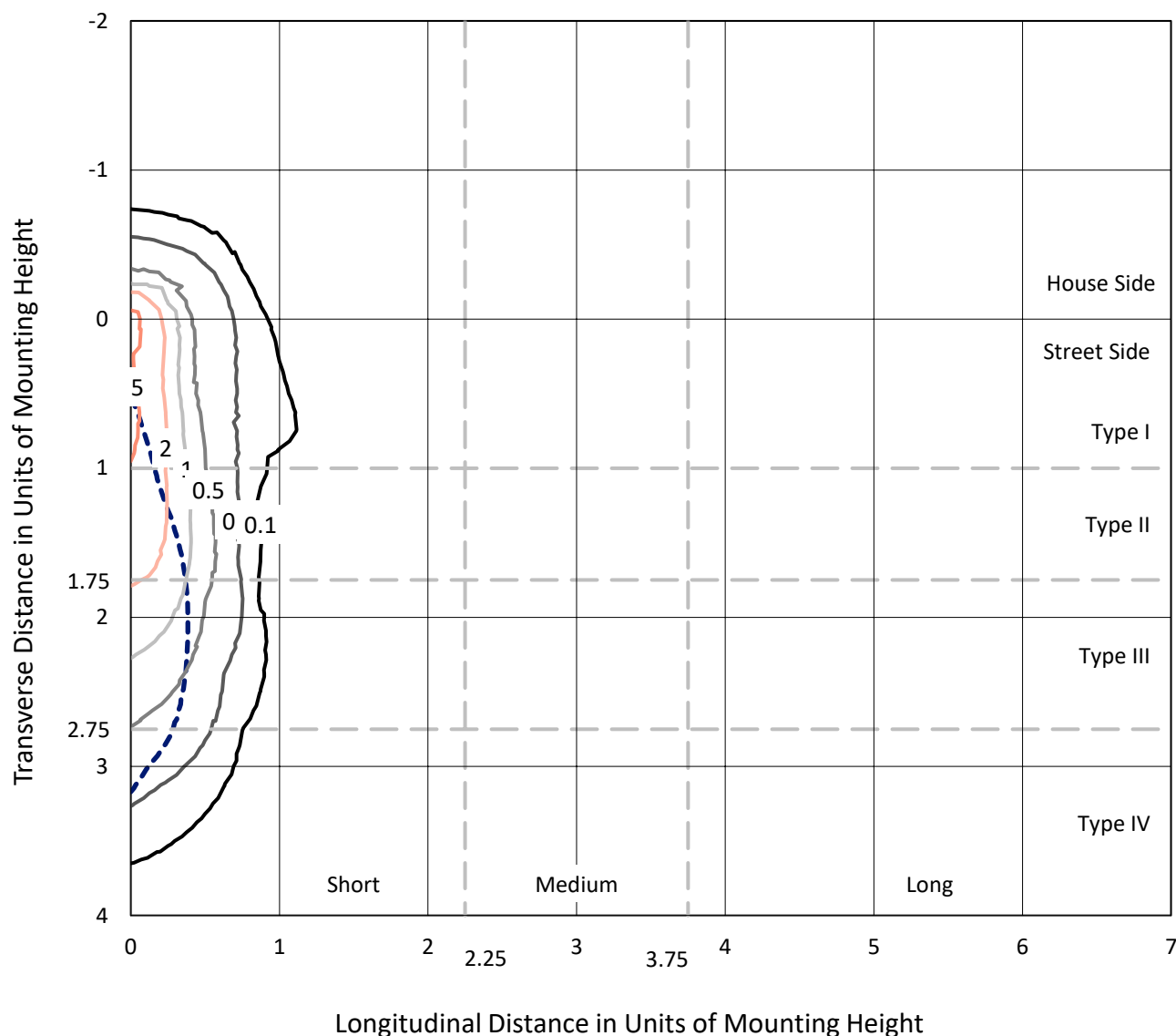
REPORT NUMBER: P453046

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## Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

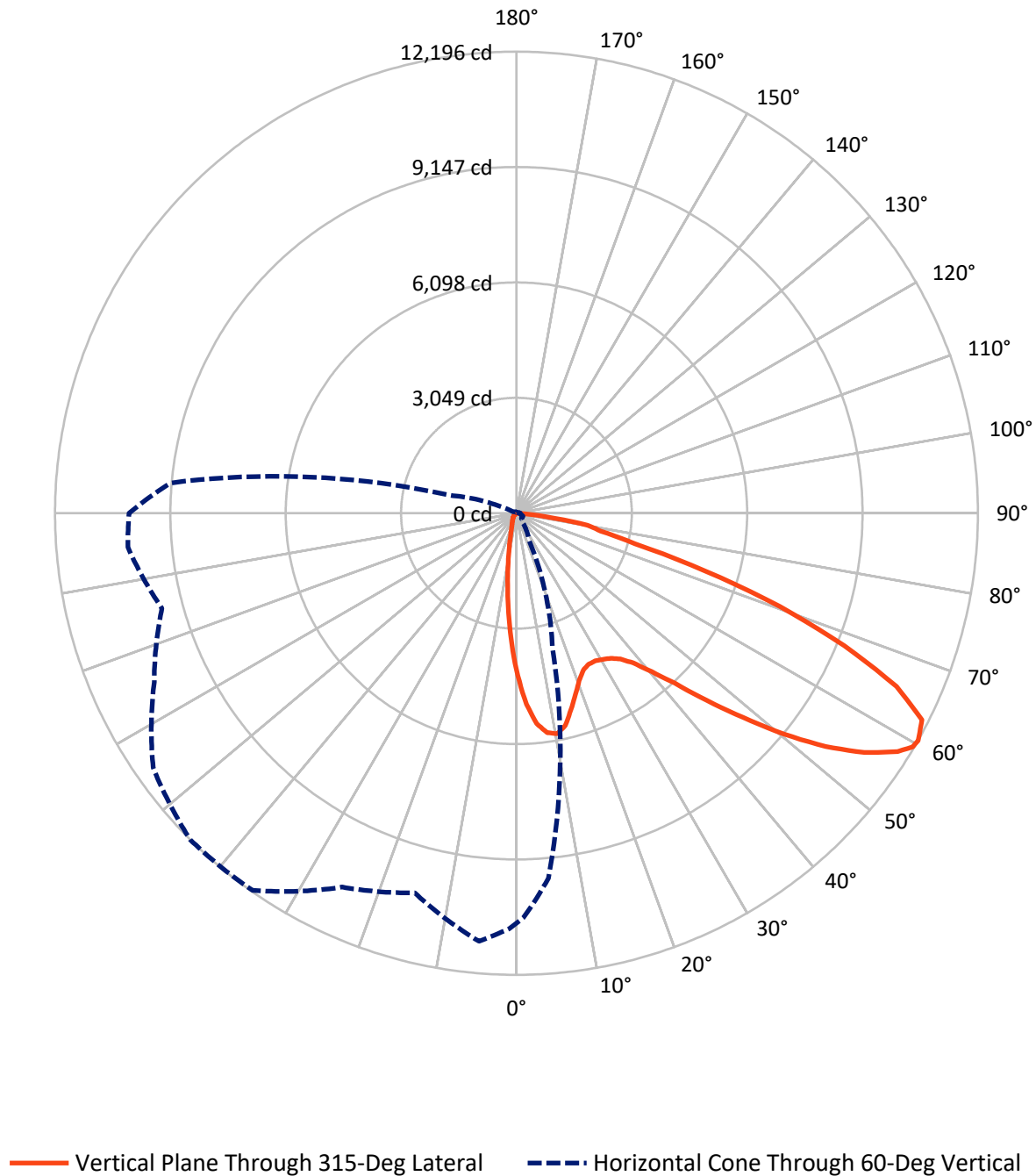


Based on 25 foot mounting height. Maximum calculated value = 6.9 fc

Type IV - Short - N/A

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## Luminous Intensity Polar Plot



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**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total   |
|--------------------|-----------|----------|--------|---------|
| <b>House Side</b>  | Lumens    | 1602.4   | 0.0    | 1602.4  |
|                    | % Fixture | 12.3     | 0.0    | 12.3    |
| <b>Street Side</b> | Lumens    | 11389.6  | 0.0    | 11389.6 |
|                    | % Fixture | 87.7     | 0.0    | 87.7    |
| <b>Total</b>       | Lumens    | 12992.0  | 0.0    | 12992.0 |
|                    | % Fixture | 100.0    | 0.0    | 100.0   |

**ZONAL LUMENS:**

| Zone      | Lumens  | % Fixture |
|-----------|---------|-----------|
| 0°-10°    | 319.4   | 2.5       |
| 10°-20°   | 634.3   | 4.9       |
| 20°-30°   | 930.0   | 7.2       |
| 30°-40°   | 1383.1  | 10.6      |
| 40°-50°   | 2012.9  | 15.5      |
| 50°-60°   | 2902.7  | 22.3      |
| 60°-70°   | 3192.7  | 24.6      |
| 70°-80°   | 1430.1  | 11.0      |
| 80°-90°   | 186.9   | 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°    | 12992.0 | 100.0     |
| 0°-180°   | 12992.0 | 100.0     |

**Coefficient of Utilization**



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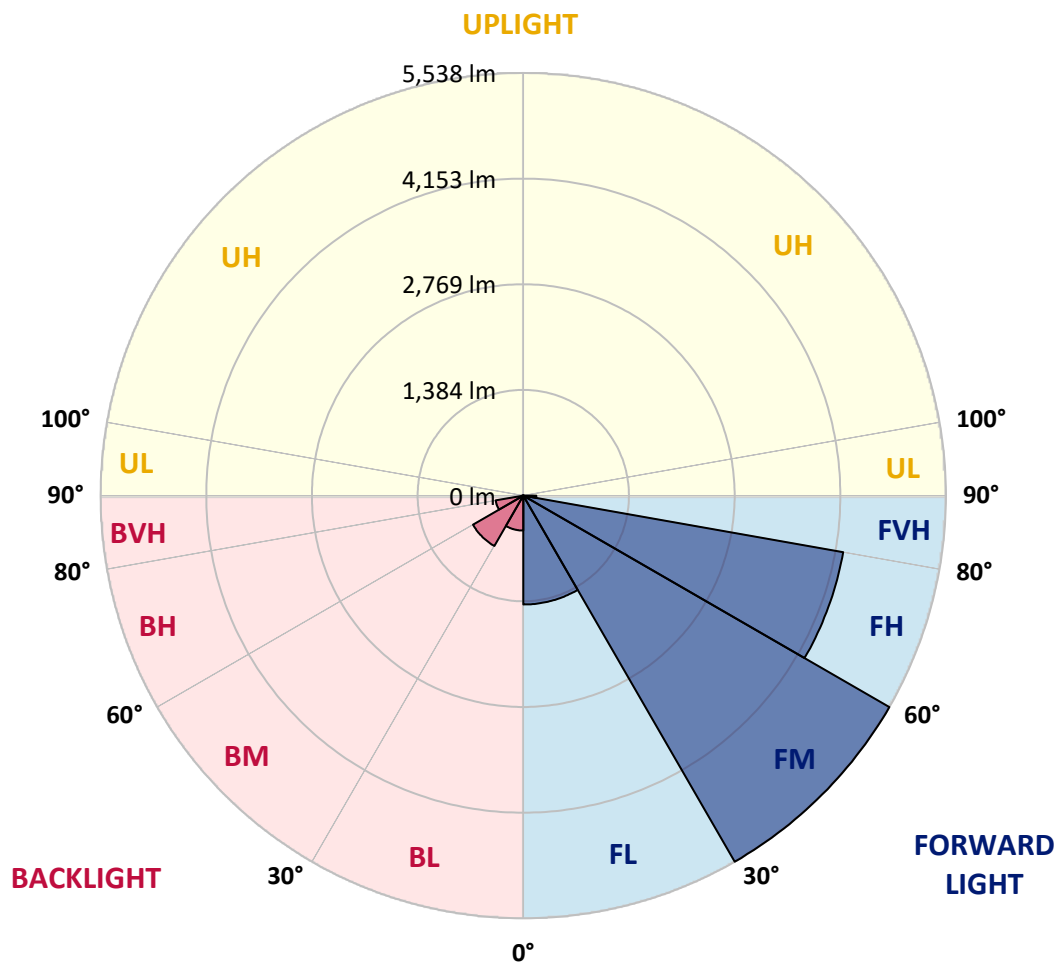
CATALOG NUMBER: GLAN-SA4A-740-U-SLR-HSS

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

| Zone |             | Lumens | % Fixture | Zone Rating/Lumen Limit |      |         |
|------|-------------|--------|-----------|-------------------------|------|---------|
|      |             |        |           | B                       | U    | G       |
| FL   | (0°-30°)    | 1425.8 | 11.0      |                         |      |         |
| FM   | (30°-60°)   | 5537.6 | 42.6      |                         |      |         |
| FH   | (60°-80°)   | 4255.3 | 32.8      |                         |      | G2/5000 |
| FVH  | (80°-90°)   | 170.9  | 1.3       |                         |      | G2/225  |
| BL   | (0°-30°)    | 457.9  | 3.5       | B1/500                  |      |         |
| BM   | (30°-60°)   | 761.1  | 5.9       | B1/1000                 |      |         |
| BH   | (60°-80°)   | 367.5  | 2.8       | B1/500                  |      | G1/500  |
| BVH  | (80°-90°)   | 16.0   | 0.1       |                         |      | G1/100  |
| UL   | (90°-100°)  | 0.0    | 0.0       |                         | U0/0 |         |
| UH   | (100°-180°) | 0.0    | 0.0       |                         | U0/0 |         |

**BUG Rating: B1-U0-G2**

Type IV Short





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CATALOG NUMBER: GLAN-SA4A-740-U-SLR-HSS

**CANDELA DISTRIBUTION (FULL):**

|       | 0°      | 1°      | 5°     | 15°    | 25°    | 35°    | 45°    | 55°    | 65°    | 75°    | 85°    |
|-------|---------|---------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 4294.0  | 4294.0  | 4294.0 | 4294.0 | 4294.0 | 4294.0 | 4294.0 | 4294.0 | 4294.0 | 4294.0 | 4294.0 |
| 2.5°  | 4720.7  | 4699.9  | 4652.5 | 4508.3 | 4382.9 | 4219.0 | 4053.1 | 3922.7 | 3842.7 | 3695.6 | 3628.4 |
| 5°    | 4573.5  | 4583.4  | 4446.1 | 4149.9 | 3820.0 | 3594.8 | 3348.9 | 3153.4 | 2938.1 | 2801.8 | 2658.6 |
| 7.5°  | 4189.4  | 4169.6  | 4020.5 | 3607.7 | 3206.7 | 2880.8 | 2569.7 | 2316.9 | 2157.9 | 2030.5 | 1923.8 |
| 10°   | 3860.5  | 3845.7  | 3655.1 | 3123.7 | 2693.2 | 2449.2 | 2238.9 | 2017.6 | 1846.8 | 1660.1 | 1511.0 |
| 12.5° | 3654.1  | 3620.5  | 3401.3 | 2846.2 | 2495.6 | 2268.5 | 2039.4 | 1809.3 | 1573.2 | 1384.6 | 1203.9 |
| 15°   | 3585.0  | 3536.6  | 3292.6 | 2750.4 | 2369.2 | 2080.9 | 1793.5 | 1528.8 | 1257.2 | 1048.8 | 912.5  |
| 17.5° | 3710.4  | 3630.4  | 3370.6 | 2733.6 | 2218.1 | 1835.9 | 1482.4 | 1137.7 | 855.3  | 696.3  | 612.3  |
| 20°   | 3997.8  | 3905.9  | 3568.2 | 2716.9 | 2050.2 | 1561.4 | 1126.8 | 803.9  | 591.6  | 504.7  | 458.2  |
| 22.5° | 4424.4  | 4298.0  | 3860.5 | 2743.5 | 1895.2 | 1293.7 | 813.8  | 567.9  | 470.1  | 415.8  | 383.2  |
| 25°   | 4937.0  | 4831.3  | 4230.8 | 2838.3 | 1772.7 | 1083.4 | 629.1  | 464.2  | 396.0  | 362.4  | 337.8  |
| 27.5° | 5498.9  | 5330.0  | 4709.8 | 2951.9 | 1661.1 | 920.4  | 552.1  | 414.8  | 352.6  | 322.0  | 309.1  |
| 30°   | 5898.9  | 5767.5  | 5110.8 | 3030.9 | 1521.9 | 798.0  | 504.7  | 408.9  | 353.6  | 317.0  | 293.3  |
| 32.5° | 6293.9  | 6126.0  | 5446.6 | 3067.5 | 1420.2 | 713.0  | 436.5  | 356.5  | 310.1  | 291.3  | 267.6  |
| 35°   | 6716.6  | 6540.8  | 5781.4 | 3047.7 | 1344.1 | 656.7  | 396.0  | 318.0  | 265.7  | 234.1  | 210.4  |
| 37.5° | 7144.2  | 6958.6  | 6114.2 | 2976.6 | 1296.7 | 634.0  | 364.4  | 302.2  | 250.8  | 218.3  | 192.6  |
| 40°   | 7651.8  | 7404.0  | 6426.2 | 2918.3 | 1247.3 | 622.2  | 343.7  | 292.3  | 240.0  | 205.4  | 179.7  |
| 42.5° | 8066.6  | 7830.6  | 6721.5 | 2887.7 | 1213.7 | 594.5  | 343.7  | 284.4  | 233.1  | 194.6  | 167.9  |
| 45°   | 8459.7  | 8214.8  | 7040.5 | 2912.4 | 1199.9 | 560.0  | 347.6  | 283.4  | 228.1  | 186.7  | 160.0  |
| 47.5° | 8788.6  | 8576.2  | 7368.4 | 3005.2 | 1182.1 | 522.4  | 326.9  | 297.3  | 225.2  | 179.7  | 152.1  |
| 50°   | 9176.7  | 8971.3  | 7802.0 | 3192.9 | 1150.5 | 484.9  | 301.2  | 320.0  | 224.2  | 173.8  | 145.2  |
| 52.5° | 9723.8  | 9501.6  | 8400.4 | 3406.2 | 1100.2 | 427.6  | 277.5  | 317.0  | 220.2  | 163.9  | 138.3  |
| 55°   | 10392.4 | 10212.7 | 9093.7 | 3662.0 | 1031.0 | 363.4  | 240.0  | 281.5  | 208.4  | 147.2  | 126.4  |
| 57.5° | 10821.0 | 10667.9 | 9613.2 | 3772.6 | 925.4  | 297.3  | 211.3  | 236.0  | 190.6  | 131.3  | 112.6  |
| 59°   | 10871.4 | 10733.1 | 9721.8 | 3736.1 | 856.2  | 271.6  | 197.5  | 202.5  | 185.7  | 122.5  | 104.7  |
| 60°   | 10828.9 | 10685.7 | 9678.4 | 3664.9 | 792.0  | 253.8  | 185.7  | 179.7  | 186.7  | 117.5  | 98.8   |
| 62.5° | 10556.4 | 10311.4 | 9256.7 | 3304.5 | 692.3  | 233.1  | 164.9  | 147.2  | 164.9  | 105.7  | 87.9   |
| 65°   | 10030.0 | 9662.6  | 8422.2 | 2796.9 | 652.8  | 221.2  | 140.2  | 123.4  | 125.4  | 92.8   | 76.0   |
| 67.5° | 9110.5  | 8647.3  | 7311.1 | 2272.4 | 636.0  | 222.2  | 118.5  | 110.6  | 96.8   | 79.0   | 67.2   |
| 70°   | 7656.8  | 7194.6  | 5866.3 | 1869.5 | 628.1  | 222.2  | 100.7  | 94.8   | 81.0   | 66.2   | 58.3   |
| 72.5° | 5425.8  | 4928.1  | 3957.3 | 1468.5 | 565.9  | 221.2  | 85.9   | 85.9   | 66.2   | 55.3   | 47.4   |
| 75°   | 3065.5  | 3069.4  | 2487.7 | 1038.9 | 470.1  | 182.7  | 69.1   | 68.1   | 48.4   | 42.5   | 35.6   |
| 77.5° | 1786.6  | 1754.9  | 1676.9 | 446.4  | 218.3  | 83.0   | 48.4   | 41.5   | 33.6   | 30.6   | 25.7   |
| 80°   | 918.5   | 755.5   | 735.8  | 162.0  | 78.0   | 52.3   | 33.6   | 23.7   | 21.7   | 19.8   | 17.8   |
| 82.5° | 271.6   | 272.6   | 242.9  | 65.2   | 43.5   | 34.6   | 16.8   | 12.8   | 11.9   | 10.9   | 10.9   |
| 85°   | 18.8    | 11.9    | 13.8   | 19.8   | 26.7   | 13.8   | 1.0    | 3.0    | 3.0    | 4.0    | 4.9    |
| 87.5° | 2.0     | 1.0     | 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    | 0.0    |



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**CANDELA DISTRIBUTION (continued):**

|       | 90°    | 95°    | 105°   | 115°   | 125°   | 135°   | 145°   | 155°   | 165°   | 175°   | 180°   |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 4294.0 | 4294.0 | 4294.0 | 4294.0 | 4294.0 | 4294.0 | 4294.0 | 4294.0 | 4294.0 | 4294.0 | 4294.0 |
| 2.5°  | 3554.3 | 3597.8 | 3516.8 | 3518.8 | 3451.6 | 3473.4 | 3394.3 | 3420.0 | 3373.6 | 3409.2 | 3513.8 |
| 5°    | 2674.4 | 2684.3 | 2619.1 | 2598.3 | 2608.2 | 2648.7 | 2664.5 | 2592.4 | 2623.0 | 2562.8 | 2558.8 |
| 7.5°  | 1884.3 | 1896.2 | 1858.6 | 1853.7 | 1924.8 | 1908.0 | 1938.6 | 1864.6 | 1794.5 | 1825.1 | 1768.8 |
| 10°   | 1463.6 | 1414.2 | 1337.2 | 1315.5 | 1301.6 | 1310.5 | 1310.5 | 1243.4 | 1233.5 | 1206.8 | 1247.3 |
| 12.5° | 1155.5 | 1095.2 | 1022.2 | 923.4  | 898.7  | 896.7  | 860.2  | 800.9  | 782.2  | 759.5  | 793.0  |
| 15°   | 839.5  | 814.8  | 753.5  | 698.2  | 641.9  | 631.1  | 571.8  | 523.4  | 459.2  | 450.3  | 447.4  |
| 17.5° | 590.6  | 554.0  | 553.1  | 521.4  | 488.9  | 467.1  | 411.8  | 356.5  | 331.8  | 328.9  | 328.9  |
| 20°   | 442.4  | 429.6  | 408.9  | 404.9  | 395.0  | 370.3  | 321.0  | 291.3  | 279.5  | 280.5  | 284.4  |
| 22.5° | 372.3  | 363.4  | 344.7  | 335.8  | 331.8  | 310.1  | 273.6  | 253.8  | 247.9  | 247.9  | 248.9  |
| 25°   | 332.8  | 324.9  | 304.2  | 290.4  | 285.4  | 269.6  | 241.0  | 226.2  | 221.2  | 221.2  | 221.2  |
| 27.5° | 303.2  | 293.3  | 271.6  | 259.7  | 250.8  | 233.1  | 215.3  | 200.5  | 195.5  | 195.5  | 196.5  |
| 30°   | 282.5  | 271.6  | 251.8  | 236.0  | 222.2  | 206.4  | 191.6  | 178.8  | 172.8  | 171.8  | 172.8  |
| 32.5° | 254.8  | 244.9  | 225.2  | 215.3  | 199.5  | 180.7  | 168.9  | 157.0  | 151.1  | 152.1  | 151.1  |
| 35°   | 198.5  | 195.5  | 181.7  | 184.7  | 175.8  | 160.0  | 149.1  | 136.3  | 129.4  | 128.4  | 130.4  |
| 37.5° | 180.7  | 168.9  | 153.1  | 154.1  | 151.1  | 145.2  | 127.4  | 113.6  | 108.6  | 108.6  | 109.6  |
| 40°   | 166.9  | 155.1  | 137.3  | 128.4  | 129.4  | 129.4  | 110.6  | 95.8   | 90.9   | 89.9   | 91.8   |
| 42.5° | 155.1  | 143.2  | 123.4  | 108.6  | 104.7  | 109.6  | 93.8   | 79.0   | 74.1   | 72.1   | 74.1   |
| 45°   | 147.2  | 134.3  | 111.6  | 94.8   | 83.0   | 88.9   | 77.0   | 65.2   | 59.3   | 59.3   | 58.3   |
| 47.5° | 139.3  | 127.4  | 102.7  | 82.0   | 69.1   | 66.2   | 63.2   | 52.3   | 46.4   | 45.4   | 46.4   |
| 50°   | 132.3  | 120.5  | 92.8   | 71.1   | 58.3   | 51.4   | 51.4   | 41.5   | 37.5   | 35.6   | 36.5   |
| 52.5° | 125.4  | 112.6  | 83.9   | 63.2   | 50.4   | 41.5   | 36.5   | 33.6   | 30.6   | 29.6   | 30.6   |
| 55°   | 115.5  | 102.7  | 75.1   | 54.3   | 43.5   | 34.6   | 28.6   | 27.7   | 25.7   | 23.7   | 25.7   |
| 57.5° | 103.7  | 91.8   | 66.2   | 46.4   | 34.6   | 26.7   | 23.7   | 22.7   | 20.7   | 19.8   | 19.8   |
| 59°   | 96.8   | 85.9   | 61.2   | 40.5   | 30.6   | 23.7   | 21.7   | 20.7   | 18.8   | 16.8   | 17.8   |
| 60°   | 92.8   | 83.9   | 58.3   | 37.5   | 27.7   | 21.7   | 19.8   | 18.8   | 16.8   | 15.8   | 16.8   |
| 62.5° | 82.0   | 75.1   | 51.4   | 30.6   | 21.7   | 15.8   | 13.8   | 14.8   | 13.8   | 12.8   | 13.8   |
| 65°   | 72.1   | 66.2   | 43.5   | 23.7   | 16.8   | 10.9   | 9.9    | 12.8   | 11.9   | 10.9   | 11.9   |
| 67.5° | 64.2   | 57.3   | 36.5   | 17.8   | 11.9   | 5.9    | 6.9    | 10.9   | 10.9   | 9.9    | 10.9   |
| 70°   | 55.3   | 49.4   | 29.6   | 12.8   | 5.9    | 3.0    | 4.9    | 7.9    | 9.9    | 8.9    | 9.9    |
| 72.5° | 45.4   | 38.5   | 22.7   | 8.9    | 3.0    | 0.0    | 3.0    | 6.9    | 9.9    | 8.9    | 9.9    |
| 75°   | 35.6   | 28.6   | 16.8   | 4.9    | 0.0    | 0.0    | 1.0    | 5.9    | 9.9    | 8.9    | 9.9    |
| 77.5° | 25.7   | 20.7   | 9.9    | 1.0    | 0.0    | 0.0    | 1.0    | 5.9    | 9.9    | 8.9    | 9.9    |
| 80°   | 16.8   | 14.8   | 4.0    | 0.0    | 0.0    | 0.0    | 1.0    | 5.9    | 9.9    | 9.9    | 10.9   |
| 82.5° | 10.9   | 7.9    | 0.0    | 0.0    | 0.0    | 0.0    | 2.0    | 7.9    | 10.9   | 11.9   | 11.9   |
| 85°   | 4.9    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 4.0    | 9.9    | 12.8   | 12.8   | 12.8   |
| 87.5° | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 2.0    | 6.9    | 11.9   | 14.8   | 14.8   | 14.8   |
| 90°   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |



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**CANDELA DISTRIBUTION (continued):**

|       | 185°   | 195°   | 205°   | 215°   | 225°   | 235°   | 245°   | 255°   | 265°   | 270°    | 275°    |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|---------|---------|
| 0°    | 4294.0 | 4294.0 | 4294.0 | 4294.0 | 4294.0 | 4294.0 | 4294.0 | 4294.0 | 4294.0 | 4294.0  | 4294.0  |
| 2.5°  | 3531.6 | 3593.8 | 3681.7 | 3817.0 | 3926.7 | 4099.5 | 4231.8 | 4412.6 | 4595.3 | 4650.6  | 4736.5  |
| 5°    | 2599.3 | 2679.3 | 2878.8 | 3060.5 | 3175.1 | 3540.5 | 3771.6 | 4136.0 | 4462.9 | 4619.9  | 4790.8  |
| 7.5°  | 1805.3 | 1900.1 | 2052.2 | 2306.0 | 2547.0 | 2844.3 | 3217.6 | 3634.3 | 4113.3 | 4337.5  | 4578.5  |
| 10°   | 1267.1 | 1385.6 | 1599.9 | 1808.3 | 2111.5 | 2393.9 | 2762.3 | 3222.5 | 3750.9 | 4015.5  | 4317.7  |
| 12.5° | 799.9  | 905.6  | 1189.1 | 1423.1 | 1801.4 | 2129.2 | 2469.0 | 2885.7 | 3498.0 | 3769.6  | 4086.6  |
| 15°   | 457.3  | 546.1  | 678.5  | 978.7  | 1398.4 | 1832.0 | 2255.7 | 2739.6 | 3368.7 | 3703.5  | 4046.2  |
| 17.5° | 340.7  | 364.4  | 423.7  | 593.5  | 975.7  | 1482.4 | 2059.1 | 2695.1 | 3456.6 | 3849.6  | 4240.7  |
| 20°   | 286.4  | 302.2  | 329.9  | 397.0  | 622.2  | 1141.7 | 1867.5 | 2703.0 | 3741.0 | 4234.8  | 4606.1  |
| 22.5° | 256.8  | 266.6  | 289.4  | 332.8  | 424.7  | 831.6  | 1643.3 | 2749.5 | 4085.7 | 4707.8  | 5136.5  |
| 25°   | 225.2  | 238.0  | 257.8  | 295.3  | 353.6  | 576.8  | 1422.1 | 2853.1 | 4568.6 | 5308.3  | 5711.2  |
| 27.5° | 200.5  | 212.3  | 232.1  | 266.6  | 310.1  | 440.5  | 1164.4 | 2942.0 | 5078.2 | 5912.7  | 6242.6  |
| 30°   | 175.8  | 187.6  | 207.4  | 235.0  | 274.6  | 356.5  | 886.9  | 2994.4 | 5573.0 | 6366.0  | 6619.8  |
| 32.5° | 155.1  | 164.9  | 183.7  | 208.4  | 241.0  | 302.2  | 699.2  | 2940.1 | 5951.2 | 6777.8  | 6947.7  |
| 35°   | 134.3  | 146.2  | 162.0  | 184.7  | 213.3  | 257.8  | 581.7  | 2752.4 | 6276.1 | 7201.5  | 7262.7  |
| 37.5° | 112.6  | 126.4  | 143.2  | 163.9  | 186.7  | 237.0  | 467.1  | 2545.0 | 6623.8 | 7729.9  | 7629.1  |
| 40°   | 94.8   | 107.6  | 123.4  | 146.2  | 166.9  | 217.3  | 359.5  | 2323.8 | 6999.1 | 8225.6  | 8029.1  |
| 42.5° | 77.0   | 90.9   | 109.6  | 130.4  | 164.9  | 189.6  | 278.5  | 2094.7 | 7335.8 | 8657.2  | 8390.6  |
| 45°   | 61.2   | 73.1   | 92.8   | 119.5  | 163.9  | 163.0  | 215.3  | 1868.5 | 7589.6 | 8965.3  | 8660.2  |
| 47.5° | 48.4   | 58.3   | 78.0   | 116.5  | 151.1  | 138.3  | 172.8  | 1728.3 | 7856.3 | 9242.9  | 8866.6  |
| 50°   | 38.5   | 48.4   | 67.2   | 121.5  | 132.3  | 118.5  | 145.2  | 1751.0 | 8114.0 | 9384.1  | 8951.5  |
| 52.5° | 32.6   | 42.5   | 58.3   | 95.8   | 101.7  | 103.7  | 127.4  | 1855.7 | 8446.9 | 9535.2  | 9120.4  |
| 55°   | 28.6   | 37.5   | 49.4   | 67.2   | 79.0   | 92.8   | 116.5  | 1931.7 | 8892.3 | 9859.1  | 9492.7  |
| 57.5° | 22.7   | 32.6   | 44.4   | 57.3   | 65.2   | 81.0   | 107.6  | 1937.7 | 9295.2 | 10274.9 | 9987.5  |
| 59°   | 20.7   | 29.6   | 41.5   | 54.3   | 58.3   | 73.1   | 101.7  | 1887.3 | 9310.0 | 10337.1 | 10214.6 |
| 60°   | 18.8   | 28.6   | 39.5   | 50.4   | 55.3   | 69.1   | 96.8   | 1829.0 | 9175.7 | 10238.3 | 10308.5 |
| 62.5° | 15.8   | 24.7   | 34.6   | 40.5   | 47.4   | 57.3   | 83.9   | 1617.7 | 8524.9 | 9791.0  | 10134.6 |
| 65°   | 13.8   | 21.7   | 29.6   | 33.6   | 39.5   | 49.4   | 74.1   | 1294.7 | 7805.9 | 9184.6  | 9636.9  |
| 67.5° | 12.8   | 19.8   | 25.7   | 28.6   | 34.6   | 45.4   | 66.2   | 914.5  | 6874.6 | 8415.3  | 8889.3  |
| 70°   | 11.9   | 18.8   | 22.7   | 26.7   | 30.6   | 38.5   | 56.3   | 533.3  | 5295.5 | 7066.2  | 7566.9  |
| 72.5° | 11.9   | 17.8   | 19.8   | 22.7   | 26.7   | 34.6   | 52.3   | 288.4  | 3620.5 | 5390.3  | 6037.1  |
| 75°   | 11.9   | 16.8   | 17.8   | 19.8   | 23.7   | 31.6   | 46.4   | 151.1  | 2340.6 | 3744.9  | 4621.9  |
| 77.5° | 11.9   | 15.8   | 17.8   | 18.8   | 22.7   | 27.7   | 40.5   | 94.8   | 1559.4 | 2623.0  | 3123.7  |
| 80°   | 12.8   | 15.8   | 16.8   | 18.8   | 21.7   | 25.7   | 33.6   | 63.2   | 916.5  | 1578.2  | 1901.1  |
| 82.5° | 13.8   | 15.8   | 17.8   | 19.8   | 22.7   | 24.7   | 29.6   | 39.5   | 422.7  | 1043.9  | 1181.2  |
| 85°   | 14.8   | 16.8   | 18.8   | 20.7   | 23.7   | 24.7   | 27.7   | 28.6   | 69.1   | 471.1   | 637.0   |
| 87.5° | 15.8   | 17.8   | 19.8   | 21.7   | 25.7   | 25.7   | 25.7   | 25.7   | 23.7   | 50.4    | 128.4   |
| 90°   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0     | 0.0     |



REPORT NUMBER: P453046

CATALOG NUMBER: GLAN-SA4A-740-U-SLR-HSS

**CANDELA DISTRIBUTION (continued):**

|       | 285°    | 295°    | 305°    | 315°    | 325°    | 335°    | 345°    | 355°    | 359°    | 360°    |
|-------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 0°    | 4294.0  | 4294.0  | 4294.0  | 4294.0  | 4294.0  | 4294.0  | 4294.0  | 4294.0  | 4294.0  | 4294.0  |
| 2.5°  | 4845.1  | 4956.7  | 5034.7  | 5054.5  | 4998.2  | 4972.5  | 4901.4  | 4790.8  | 4723.6  | 4720.7  |
| 5°    | 5105.8  | 5367.6  | 5549.3  | 5579.9  | 5471.2  | 5287.6  | 5069.3  | 4787.8  | 4622.9  | 4573.5  |
| 7.5°  | 5061.4  | 5519.6  | 5812.0  | 5854.4  | 5671.7  | 5321.1  | 4898.4  | 4445.1  | 4265.4  | 4189.4  |
| 10°   | 4878.7  | 5437.7  | 5855.4  | 5922.6  | 5678.6  | 5184.8  | 4647.6  | 4142.0  | 3918.8  | 3860.5  |
| 12.5° | 4722.7  | 5287.6  | 5658.9  | 5751.7  | 5567.0  | 5074.2  | 4497.5  | 3947.4  | 3708.4  | 3654.1  |
| 15°   | 4654.5  | 5109.8  | 5336.9  | 5384.3  | 5353.7  | 5005.1  | 4481.7  | 3917.8  | 3644.2  | 3585.0  |
| 17.5° | 4722.7  | 4958.7  | 4987.3  | 5035.7  | 5103.9  | 4998.2  | 4633.8  | 4078.7  | 3783.5  | 3710.4  |
| 20°   | 4901.4  | 4827.3  | 4708.8  | 4729.6  | 4885.6  | 5026.8  | 4904.4  | 4435.3  | 4075.8  | 3997.8  |
| 22.5° | 5205.6  | 4794.7  | 4526.1  | 4508.3  | 4705.9  | 5122.6  | 5301.4  | 4918.2  | 4501.4  | 4424.4  |
| 25°   | 5578.9  | 4876.7  | 4459.0  | 4420.5  | 4635.7  | 5262.9  | 5733.0  | 5509.8  | 5054.5  | 4937.0  |
| 27.5° | 5985.8  | 5046.6  | 4459.0  | 4421.4  | 4629.8  | 5387.3  | 6102.3  | 6033.2  | 5627.3  | 5498.9  |
| 30°   | 6209.0  | 5186.8  | 4523.2  | 4480.7  | 4702.9  | 5459.4  | 6299.8  | 6498.3  | 6057.9  | 5898.9  |
| 32.5° | 6408.5  | 5381.4  | 4648.6  | 4568.6  | 4856.0  | 5566.1  | 6476.6  | 6893.4  | 6400.6  | 6293.9  |
| 35°   | 6592.2  | 5589.8  | 4821.4  | 4728.6  | 5057.4  | 5712.2  | 6672.2  | 7308.2  | 6877.6  | 6716.6  |
| 37.5° | 6794.6  | 5831.7  | 5091.0  | 5012.0  | 5394.2  | 5996.6  | 6904.2  | 7853.3  | 7346.7  | 7144.2  |
| 40°   | 7014.9  | 6112.2  | 5534.5  | 5500.9  | 5929.5  | 6318.6  | 7197.6  | 8435.0  | 7882.0  | 7651.8  |
| 42.5° | 7239.0  | 6435.1  | 6077.6  | 6132.9  | 6535.9  | 6769.9  | 7498.8  | 8882.4  | 8320.4  | 8066.6  |
| 45°   | 7442.5  | 6847.9  | 6783.8  | 7057.3  | 7243.0  | 7210.4  | 7722.0  | 9197.4  | 8702.6  | 8459.7  |
| 47.5° | 7699.3  | 7449.4  | 7638.0  | 8059.7  | 8064.7  | 7689.4  | 7890.8  | 9455.2  | 9031.5  | 8788.6  |
| 50°   | 7986.6  | 8159.5  | 8741.2  | 9170.8  | 9055.2  | 8160.5  | 8088.4  | 9760.4  | 9371.2  | 9176.7  |
| 52.5° | 8319.5  | 8954.5  | 9760.4  | 10237.4 | 9967.7  | 8674.0  | 8417.2  | 10090.2 | 9910.5  | 9723.8  |
| 55°   | 8706.6  | 9496.7  | 10776.6 | 11156.8 | 10885.2 | 9312.0  | 8917.0  | 10537.6 | 10519.8 | 10392.4 |
| 57.5° | 9144.1  | 10069.5 | 11365.2 | 11879.7 | 11637.8 | 10060.6 | 9615.2  | 10959.3 | 10892.1 | 10821.0 |
| 59°   | 9489.8  | 10363.8 | 11624.9 | 12158.2 | 12012.1 | 10585.0 | 10084.3 | 11222.0 | 10978.1 | 10871.4 |
| 60°   | 9699.1  | 10563.3 | 11720.7 | 12195.7 | 12162.2 | 10897.1 | 10381.5 | 11350.4 | 10977.1 | 10828.9 |
| 62.5° | 10320.3 | 10911.9 | 11684.2 | 12028.8 | 12160.2 | 11495.5 | 11253.6 | 11491.6 | 10773.6 | 10556.4 |
| 65°   | 10541.5 | 10796.3 | 11078.8 | 11036.3 | 11148.9 | 11464.9 | 11810.6 | 11336.5 | 10339.1 | 10030.0 |
| 67.5° | 10110.9 | 9529.3  | 9629.0  | 9345.6  | 9290.3  | 10192.9 | 11584.4 | 10578.1 | 9488.8  | 9110.5  |
| 70°   | 8522.9  | 7300.3  | 7249.9  | 7380.3  | 7022.8  | 8252.3  | 10402.3 | 9117.4  | 8085.4  | 7656.8  |
| 72.5° | 6708.7  | 5159.2  | 4734.5  | 5214.5  | 5203.6  | 6295.9  | 8641.4  | 6469.7  | 5462.4  | 5425.8  |
| 75°   | 5275.7  | 3591.9  | 3152.4  | 3230.4  | 3380.5  | 4557.7  | 6882.5  | 4108.4  | 3363.7  | 3065.5  |
| 77.5° | 3541.5  | 2545.0  | 2374.2  | 2278.4  | 2440.3  | 2926.2  | 4354.3  | 2228.0  | 1886.3  | 1786.6  |
| 80°   | 2041.3  | 1848.8  | 2099.6  | 1906.0  | 1993.0  | 1843.8  | 2165.8  | 1022.2  | 848.3   | 918.5   |
| 82.5° | 1328.3  | 1052.8  | 1121.9  | 833.5   | 1139.7  | 1149.6  | 695.3   | 302.2   | 255.8   | 271.6   |
| 85°   | 830.6   | 493.8   | 277.5   | 197.5   | 393.1   | 722.9   | 217.3   | 18.8    | 21.7    | 18.8    |
| 87.5° | 215.3   | 82.0    | 34.6    | 51.4    | 63.2    | 56.3    | 50.4    | 3.0     | 1.0     | 2.0     |
| 90°   | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     |

(END OF REPORT)