

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: P191417

Luminaire Tested: **GAN-AF-09-LED-U-T2R-ADJ**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P191417  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P24657)  
Test Lab: INNOVATION CENTER-P2  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: GAN-AF-09-LED-U-T2R-ADJ  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(9) 70 CRI, 4000K, 1050mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II ROADWAY OPTICS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 56711.4 lumens  
Efficiency: N/A  
Efficacy: 113.2 lumens/watt  
Luminous Opening: Rectangular (W 2.5' x L: 1' x H: 0')  
IES Classification: Type II - Short - Full Cutoff  
BUG Rating: B4 - U0 - G5

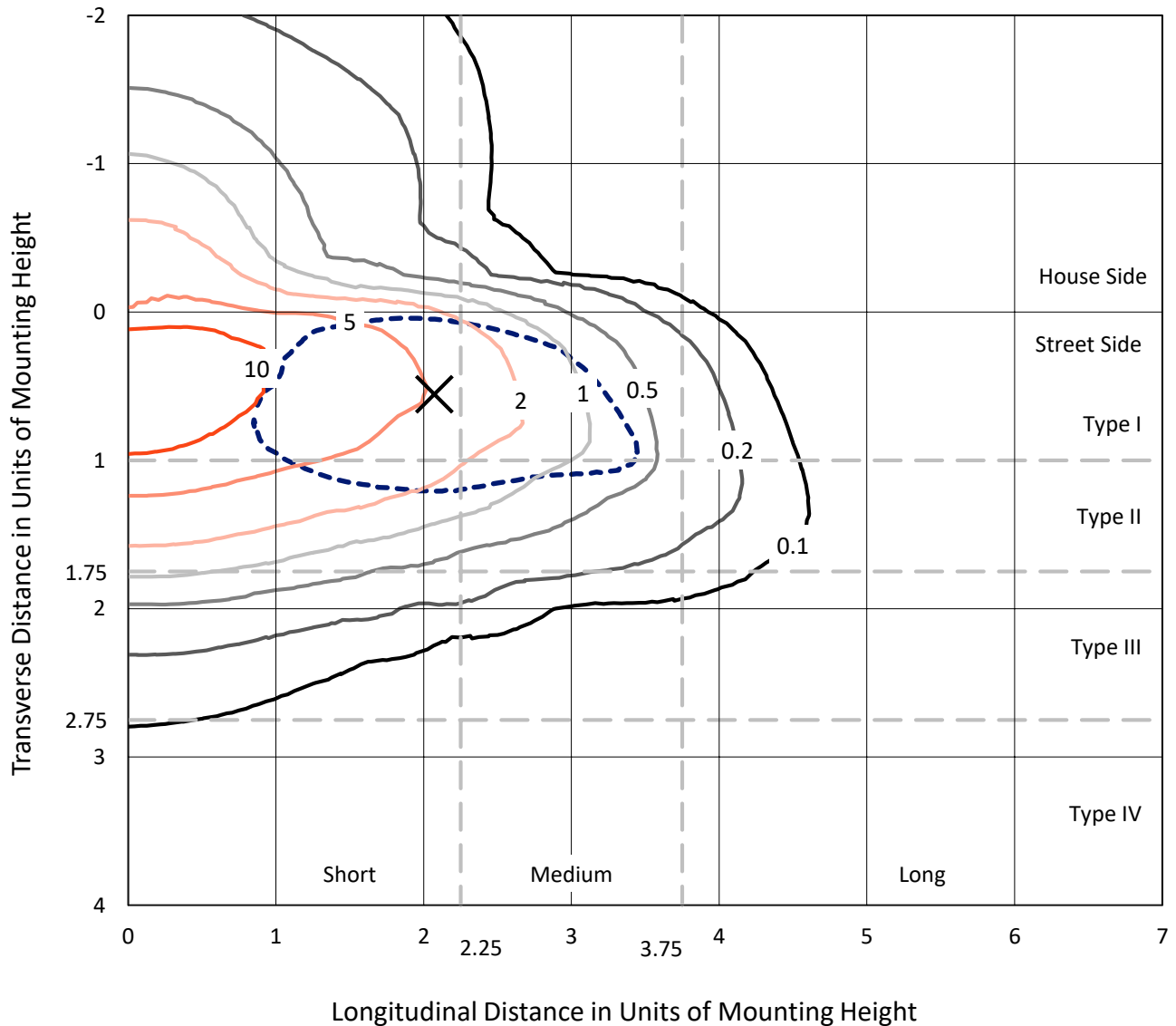
Input Watts (W): 501  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 28.75 FT



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### Iso-Footcandle Lines of Horizontal Illumination

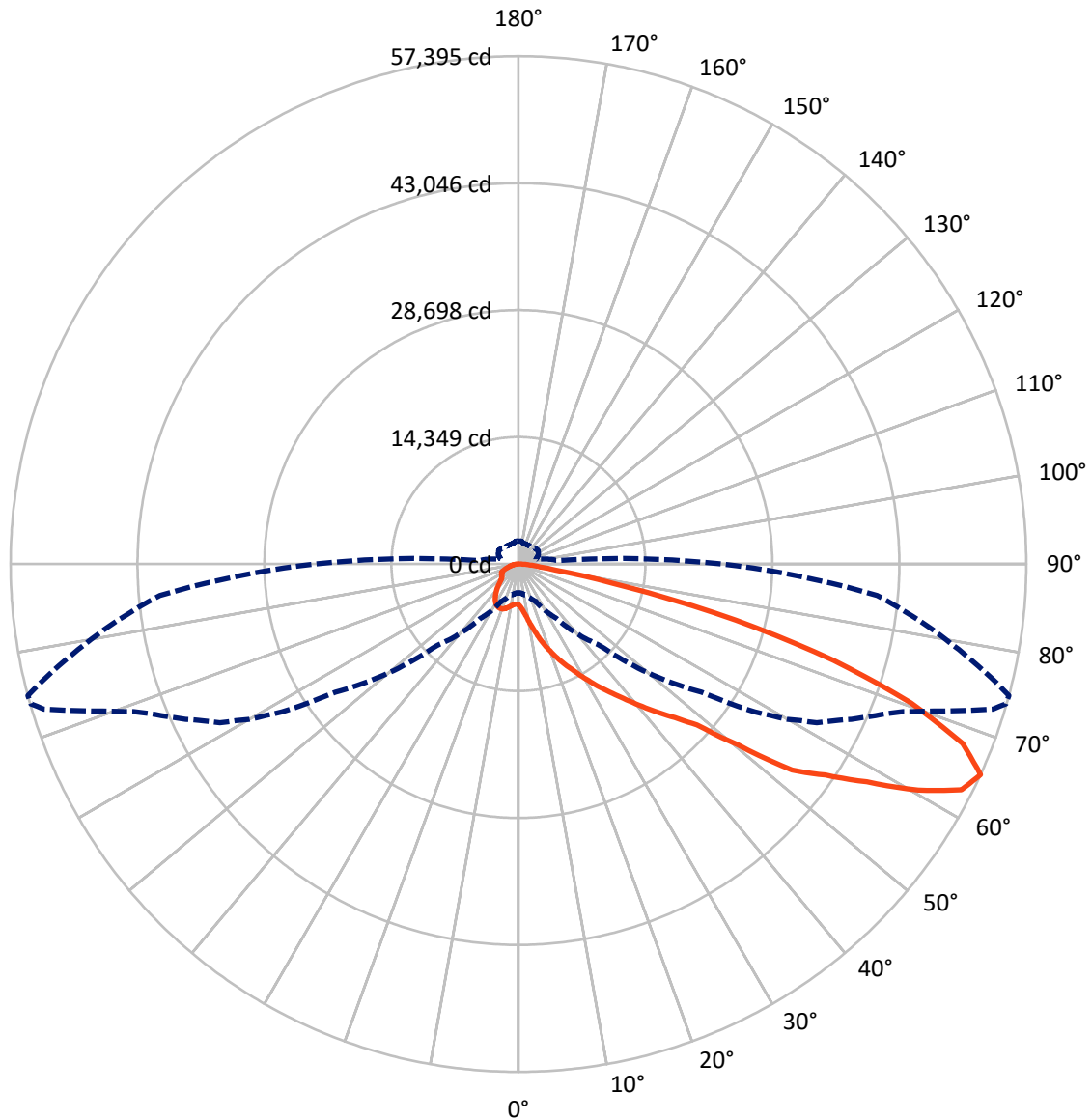
✕ Max cd  
 - - - 1/2 Max cd



Based on 30 foot mounting height. Maximum calculated value = 15.9 fc  
 Type II - Short - Full Cutoff

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### Luminous Intensity Polar Plot



— Vertical Plane Through 75-Deg Lateral      - - - Horizontal Cone Through 65-Deg Vertical



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**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total   |
|--------------------|-----------|----------|--------|---------|
| <b>House Side</b>  | Lumens    | 8743.6   | 0.0    | 8743.6  |
|                    | % Fixture | 15.4     | 0.0    | 15.4    |
| <b>Street Side</b> | Lumens    | 47967.8  | 0.0    | 47967.8 |
|                    | % Fixture | 84.6     | 0.0    | 84.6    |
| <b>Total</b>       | Lumens    | 56711.4  | 0.0    | 56711.4 |
|                    | % Fixture | 100.0    | 0.0    | 100.0   |

**ZONAL LUMENS:**

| Zone      | Lumens  | % Fixture |
|-----------|---------|-----------|
| 0°-10°    | 569.7   | 1.0       |
| 10°-20°   | 2225.8  | 3.9       |
| 20°-30°   | 4566.7  | 8.1       |
| 30°-40°   | 7683.2  | 13.5      |
| 40°-50°   | 10616.1 | 18.7      |
| 50°-60°   | 13252.0 | 23.4      |
| 60°-70°   | 11925.4 | 21.0      |
| 70°-80°   | 4999.0  | 8.8       |
| 80°-90°   | 873.3   | 1.5       |
| 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°    | 56711.4 | 100.0     |
| 0°-180°   | 56711.4 | 100.0     |

**Coefficient of Utilization**



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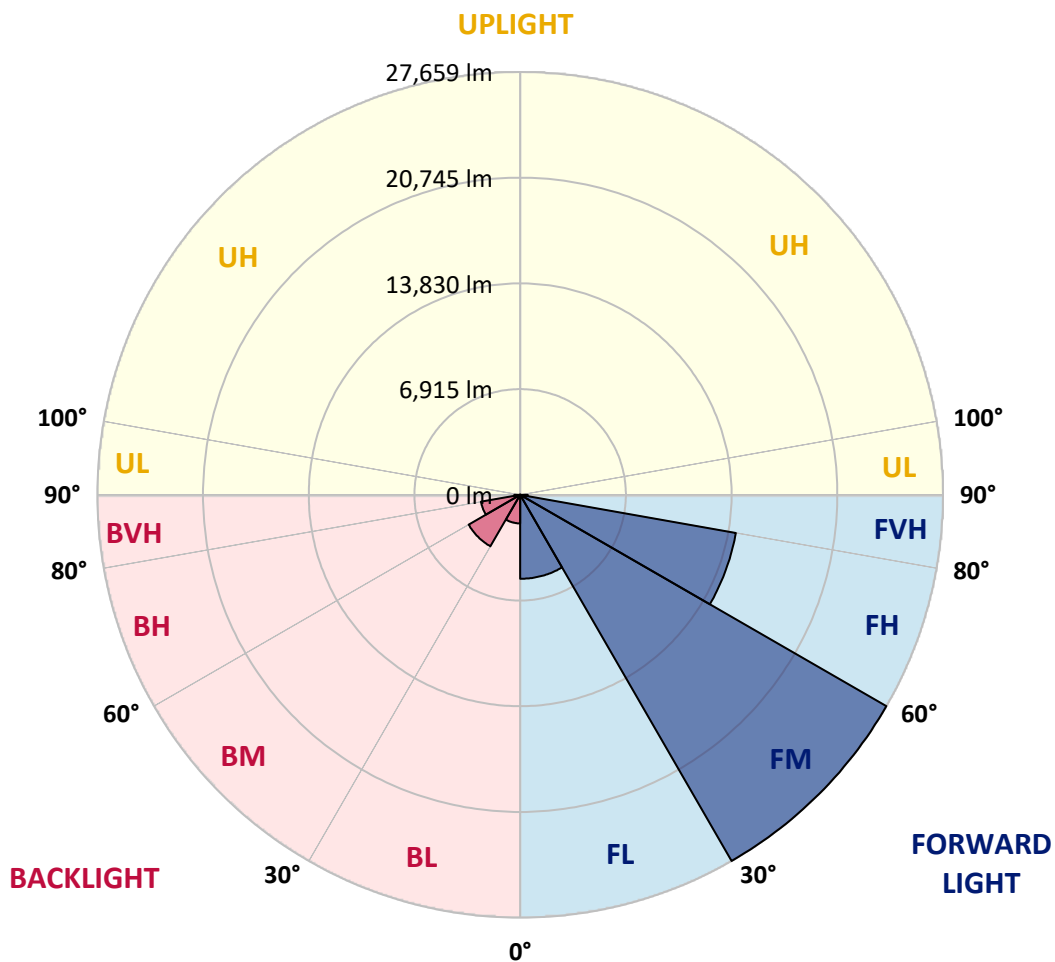
CATALOG NUMBER: GAN-AF-09-LED-U-T2R-ADJ

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

| Zone |             | Lumens  | % Fixture | Zone Rating/Lumen Limit |      |         |
|------|-------------|---------|-----------|-------------------------|------|---------|
|      |             |         |           | B                       | U    | G       |
| FL   | (0°-30°)    | 5492.3  | 9.7       |                         |      |         |
| FM   | (30°-60°)   | 27659.5 | 48.8      |                         |      |         |
| FH   | (60°-80°)   | 14325.1 | 25.3      |                         |      | G5      |
| FVH  | (80°-90°)   | 490.9   | 0.9       |                         |      | G3/500  |
| BL   | (0°-30°)    | 1869.9  | 3.3       | B3/2500                 |      |         |
| BM   | (30°-60°)   | 3891.9  | 6.9       | B3/5000                 |      |         |
| BH   | (60°-80°)   | 2599.3  | 4.6       | B4/5000                 |      | G4/5000 |
| BVH  | (80°-90°)   | 382.5   | 0.7       |                         |      | G3/500  |
| UL   | (90°-100°)  | 0.0     | 0.0       |                         | U0/0 |         |
| UH   | (100°-180°) | 0.0     | 0.0       |                         | U0/0 |         |

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

Type II Short





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**CANDELA DISTRIBUTION (FULL):**

|       | 0°      | 5°      | 15°     | 25°     | 35°     | 45°     | 55°     | 56°     | 57°     | 58°     | 59°     |
|-------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 0°    | 4608.9  | 4608.9  | 4608.9  | 4608.9  | 4608.9  | 4608.9  | 4608.9  | 4608.9  | 4608.9  | 4608.9  | 4608.9  |
| 2.5°  | 5851.7  | 5787.2  | 5803.4  | 5696.0  | 5564.4  | 5392.7  | 5202.1  | 5199.5  | 5202.1  | 5183.3  | 5113.5  |
| 5°    | 8114.6  | 8036.7  | 8007.1  | 7765.6  | 7411.3  | 6906.7  | 6359.1  | 6299.9  | 6275.8  | 6214.1  | 6071.8  |
| 7.5°  | 9765.4  | 9722.4  | 9676.8  | 9494.2  | 9172.1  | 8608.4  | 7872.9  | 7746.8  | 7626.0  | 7596.4  | 7435.4  |
| 10°   | 10831.0 | 10820.3 | 10723.6 | 10675.3 | 10474.0 | 9985.4  | 9268.8  | 9147.9  | 9016.5  | 8970.8  | 8801.7  |
| 12.5° | 11673.9 | 11671.2 | 11625.5 | 11638.9 | 11464.5 | 11110.2 | 10492.8 | 10382.7 | 10286.1 | 10146.5 | 10025.7 |
| 15°   | 12256.4 | 12259.0 | 12326.1 | 12401.3 | 12374.4 | 12135.6 | 11555.8 | 11507.5 | 11424.2 | 11327.6 | 11185.4 |
| 17.5° | 12734.2 | 12747.6 | 12817.4 | 12954.2 | 13101.9 | 13083.1 | 12624.1 | 12583.8 | 12511.4 | 12379.9 | 12304.7 |
| 20°   | 13813.2 | 13864.3 | 13730.0 | 13730.0 | 13746.1 | 13818.6 | 13598.5 | 13566.3 | 13464.3 | 13394.5 | 13335.4 |
| 22.5° | 15635.8 | 15694.9 | 15391.6 | 15082.9 | 14779.6 | 14559.5 | 14339.3 | 14379.6 | 14309.9 | 14261.5 | 14226.6 |
| 25°   | 18003.3 | 18049.0 | 17557.8 | 17037.0 | 16419.7 | 15614.3 | 15069.5 | 15045.4 | 15007.7 | 14978.3 | 14962.1 |
| 27.5° | 20231.3 | 20250.1 | 19785.7 | 19023.4 | 18306.7 | 17149.8 | 15810.3 | 15780.8 | 15735.1 | 15678.8 | 15630.5 |
| 30°   | 22137.2 | 22131.7 | 21653.9 | 20926.5 | 20158.9 | 18878.5 | 16935.1 | 16843.8 | 16709.6 | 16556.6 | 16438.4 |
| 32.5° | 23788.0 | 23779.9 | 23256.5 | 22502.2 | 21696.9 | 20591.0 | 18475.8 | 18287.9 | 18078.5 | 17780.6 | 17600.7 |
| 35°   | 25087.2 | 25081.7 | 24587.9 | 23801.4 | 22878.0 | 22204.3 | 20242.0 | 20011.2 | 19745.4 | 19345.5 | 19069.0 |
| 37.5° | 25578.4 | 25578.4 | 25301.9 | 24765.0 | 23949.0 | 23487.4 | 22204.3 | 21925.1 | 21640.5 | 21186.9 | 20875.6 |
| 40°   | 25291.1 | 25296.6 | 25355.6 | 25256.2 | 24858.9 | 24504.7 | 24034.9 | 23868.5 | 23624.2 | 23216.2 | 22891.4 |
| 42.5° | 24327.5 | 24357.1 | 24749.0 | 25229.4 | 25428.0 | 25371.6 | 25658.9 | 25583.7 | 25411.9 | 25097.9 | 24840.2 |
| 45°   | 23106.1 | 23197.5 | 23626.9 | 24534.1 | 25586.5 | 26120.5 | 27019.8 | 27027.9 | 26995.7 | 26826.6 | 26627.9 |
| 47.5° | 21428.5 | 21557.4 | 22123.7 | 23350.4 | 25215.9 | 26848.1 | 28402.2 | 28474.7 | 28541.8 | 28431.7 | 28340.4 |
| 50°   | 19200.6 | 19353.5 | 20201.7 | 21828.4 | 24461.7 | 27602.3 | 31014.0 | 31341.5 | 31647.4 | 31609.9 | 31671.7 |
| 52.5° | 16814.2 | 16994.1 | 18032.9 | 19844.7 | 23165.2 | 27776.8 | 32683.6 | 33217.8 | 33752.0 | 34189.5 | 34653.9 |
| 55°   | 14661.4 | 14564.8 | 15603.7 | 17512.1 | 21033.9 | 26990.3 | 34184.2 | 34828.3 | 35424.3 | 35961.1 | 36514.0 |
| 57.5° | 11743.7 | 11902.0 | 12943.5 | 14830.5 | 18212.7 | 24770.4 | 35217.5 | 36159.8 | 37016.0 | 37904.5 | 38688.3 |
| 60°   | 8584.3  | 8742.6  | 9872.7  | 11789.3 | 15150.0 | 21404.3 | 34428.4 | 35856.4 | 37228.0 | 38589.0 | 39651.9 |
| 62.5° | 5183.3  | 5301.4  | 6297.3  | 8122.5  | 11681.9 | 17412.9 | 30912.0 | 32785.6 | 34804.2 | 36430.9 | 38060.2 |
| 65°   | 3226.5  | 3293.6  | 3661.3  | 4665.3  | 7502.5  | 12999.9 | 25256.2 | 27299.0 | 29473.3 | 31537.5 | 33231.2 |
| 67.5° | 2641.4  | 2665.5  | 2732.6  | 2947.3  | 4120.3  | 8476.9  | 18797.9 | 20607.1 | 22569.3 | 24566.4 | 26450.7 |
| 70°   | 2375.6  | 2359.4  | 2359.4  | 2372.9  | 2641.4  | 4557.9  | 12307.3 | 13485.8 | 15120.4 | 16857.2 | 18580.5 |
| 72.5° | 2144.7  | 2128.7  | 2099.1  | 2058.8  | 2155.5  | 2780.9  | 6361.7  | 7250.2  | 8428.6  | 9972.0  | 11622.9 |
| 75°   | 1927.3  | 1905.9  | 1871.0  | 1819.9  | 1887.0  | 2099.1  | 3054.7  | 3427.8  | 4002.2  | 4823.6  | 5744.3  |
| 77.5° | 1701.8  | 1675.0  | 1642.8  | 1605.2  | 1691.0  | 1632.0  | 1790.4  | 1924.6  | 2144.7  | 2407.8  | 2754.1  |
| 80°   | 1446.9  | 1422.6  | 1411.9  | 1393.2  | 1495.1  | 1242.8  | 1264.3  | 1347.5  | 1476.3  | 1618.6  | 1779.6  |
| 82.5° | 1132.7  | 1132.7  | 1175.7  | 1183.8  | 1296.5  | 893.9   | 944.9   | 1017.3  | 1084.4  | 1159.6  | 1234.8  |
| 85°   | 746.2   | 751.6   | 896.5   | 952.9   | 1022.7  | 601.3   | 708.6   | 732.8   | 786.4   | 829.4   | 861.6   |
| 87.5° | 233.5   | 252.4   | 547.6   | 606.6   | 587.9   | 340.9   | 434.9   | 445.6   | 483.1   | 512.7   | 539.5   |
| 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):**

|       | 60°     | 61°     | 62°     | 63°     | 64°     | 65°     | 66°     | 67°     | 68°     | 69°     | 70°     |
|-------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 0°    | 4608.9  | 4608.9  | 4608.9  | 4608.9  | 4608.9  | 4608.9  | 4608.9  | 4608.9  | 4608.9  | 4608.9  | 4608.9  |
| 2.5°  | 5113.5  | 5081.3  | 5051.7  | 5049.1  | 5027.6  | 4998.1  | 5008.9  | 4963.3  | 4965.9  | 4941.8  | 4914.9  |
| 5°    | 6012.8  | 5991.3  | 5883.9  | 5854.3  | 5773.8  | 5722.9  | 5714.8  | 5607.4  | 5594.0  | 5532.2  | 5465.1  |
| 7.5°  | 7306.5  | 7236.8  | 7086.5  | 7014.0  | 6877.1  | 6775.1  | 6726.7  | 6584.5  | 6514.7  | 6353.6  | 6281.2  |
| 10°   | 8662.1  | 8573.6  | 8388.3  | 8286.3  | 8154.8  | 7991.1  | 7902.5  | 7695.8  | 7615.3  | 7467.6  | 7290.5  |
| 12.5° | 9918.3  | 9829.7  | 9639.2  | 9561.3  | 9386.9  | 9212.4  | 9115.7  | 8882.3  | 8777.5  | 8541.3  | 8401.7  |
| 15°   | 11080.6 | 10992.0 | 10825.7 | 10745.1 | 10570.7 | 10428.4 | 10299.5 | 10068.7 | 9945.2  | 9725.1  | 9542.6  |
| 17.5° | 12208.0 | 12114.1 | 11969.1 | 11896.7 | 11727.5 | 11582.6 | 11443.0 | 11225.6 | 11099.4 | 10879.3 | 10715.6 |
| 20°   | 13254.9 | 13185.1 | 13080.5 | 12983.8 | 12814.7 | 12683.2 | 12516.7 | 12328.8 | 12146.3 | 11985.2 | 11829.6 |
| 22.5° | 14167.6 | 14140.8 | 14027.9 | 13985.1 | 13840.1 | 13727.3 | 13582.3 | 13397.2 | 13265.6 | 13061.6 | 12916.7 |
| 25°   | 14954.0 | 14946.0 | 14892.3 | 14878.9 | 14776.8 | 14669.5 | 14637.3 | 14484.3 | 14363.5 | 14183.6 | 14033.4 |
| 27.5° | 15630.5 | 15638.6 | 15625.1 | 15662.7 | 15635.8 | 15587.5 | 15590.2 | 15539.2 | 15469.5 | 15319.1 | 15187.5 |
| 30°   | 16382.0 | 16339.1 | 16363.3 | 16416.9 | 16433.1 | 16438.4 | 16527.0 | 16556.6 | 16551.1 | 16451.9 | 16387.5 |
| 32.5° | 17445.0 | 17343.0 | 17249.1 | 17241.0 | 17294.7 | 17316.2 | 17466.5 | 17544.3 | 17611.4 | 17635.7 | 17646.3 |
| 35°   | 18800.6 | 18596.6 | 18400.6 | 18296.0 | 18204.6 | 18228.9 | 18336.2 | 18462.4 | 18610.0 | 18712.0 | 18832.8 |
| 37.5° | 20507.8 | 20258.1 | 19911.8 | 19664.9 | 19603.2 | 19469.0 | 19538.8 | 19638.1 | 19783.1 | 19941.4 | 20150.8 |
| 40°   | 22577.3 | 22198.9 | 21809.6 | 21482.2 | 21305.0 | 21058.1 | 21055.4 | 21036.6 | 21125.2 | 21272.8 | 21568.1 |
| 42.5° | 24569.1 | 24233.5 | 23820.1 | 23476.6 | 23245.7 | 22915.5 | 22848.4 | 22674.0 | 22714.2 | 22843.1 | 23130.4 |
| 45°   | 26434.7 | 26158.2 | 25905.8 | 25508.6 | 25312.6 | 24955.6 | 24842.9 | 24636.2 | 24520.7 | 24579.8 | 24867.0 |
| 47.5° | 28241.1 | 28064.0 | 27800.9 | 27543.3 | 27392.9 | 27073.5 | 26928.6 | 26781.0 | 26633.2 | 26627.9 | 26928.6 |
| 50°   | 31762.9 | 31668.9 | 31357.6 | 31089.1 | 31161.6 | 30769.7 | 30793.9 | 30396.6 | 30576.5 | 30597.9 | 31228.7 |
| 52.5° | 35072.6 | 35400.1 | 35630.9 | 35912.8 | 36095.3 | 36130.2 | 36251.0 | 36430.9 | 36648.2 | 37077.8 | 37662.9 |
| 55°   | 36967.7 | 37378.4 | 37617.3 | 37832.0 | 38186.3 | 38261.5 | 38462.8 | 38701.7 | 38892.3 | 39375.5 | 39872.1 |
| 57.5° | 39219.8 | 39982.1 | 40352.5 | 40693.5 | 41171.2 | 41353.8 | 41689.3 | 41949.7 | 42196.6 | 42768.4 | 43369.6 |
| 60°   | 40607.6 | 41536.3 | 42290.6 | 42830.1 | 43428.8 | 43858.2 | 44365.6 | 44773.5 | 45353.3 | 46037.8 | 46934.4 |
| 62.5° | 39504.3 | 40867.9 | 41869.2 | 42795.2 | 43608.6 | 44429.9 | 45157.3 | 45919.8 | 46800.2 | 47836.2 | 49226.7 |
| 65°   | 35110.2 | 36498.0 | 38213.2 | 39174.2 | 40250.6 | 41517.5 | 42623.5 | 43858.2 | 45058.1 | 46566.7 | 48622.8 |
| 67.5° | 28265.4 | 29878.6 | 31805.9 | 32774.8 | 34012.3 | 35426.9 | 36667.1 | 38175.6 | 39576.8 | 41404.8 | 43946.8 |
| 70°   | 20373.6 | 22459.3 | 24080.6 | 25092.5 | 26536.7 | 27994.2 | 29191.4 | 30946.9 | 32106.5 | 33980.1 | 36608.0 |
| 72.5° | 12900.5 | 14546.1 | 16532.4 | 17807.4 | 19090.5 | 20566.8 | 21790.9 | 23304.8 | 24386.5 | 26093.7 | 28474.7 |
| 75°   | 6936.1  | 8149.4  | 9894.2  | 11104.8 | 12479.2 | 13740.8 | 15174.1 | 16188.8 | 16988.8 | 18339.0 | 20271.6 |
| 77.5° | 3250.6  | 3988.8  | 4871.9  | 5803.4  | 6734.8  | 7706.5  | 8651.4  | 9472.7  | 9816.3  | 10589.4 | 11730.3 |
| 80°   | 1973.0  | 2211.8  | 2469.5  | 2756.8  | 3146.0  | 3460.0  | 3876.1  | 4176.7  | 4198.2  | 4442.5  | 4791.4  |
| 82.5° | 1318.0  | 1406.6  | 1484.4  | 1556.8  | 1656.2  | 1734.0  | 1822.6  | 1927.3  | 1970.2  | 2026.7  | 2139.4  |
| 85°   | 899.3   | 942.1   | 958.3   | 1003.9  | 993.2   | 1020.0  | 1054.9  | 1089.9  | 1108.6  | 1105.9  | 1157.0  |
| 87.5° | 553.0   | 574.4   | 585.1   | 595.9   | 587.9   | 577.1   | 593.2   | 612.0   | 617.4   | 601.3   | 606.6   |
| 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):**

|       | 71°     | 72°     | 73°     | 74°     | 75°     | 85°     | 90°     | 95°    | 105°   | 115°   | 125°   |
|-------|---------|---------|---------|---------|---------|---------|---------|--------|--------|--------|--------|
| 0°    | 4608.9  | 4608.9  | 4608.9  | 4608.9  | 4608.9  | 4608.9  | 4608.9  | 4608.9 | 4608.9 | 4608.9 | 4608.9 |
| 2.5°  | 4920.3  | 4896.1  | 4871.9  | 4855.8  | 4850.4  | 4708.2  | 4646.4  | 4606.2 | 4520.3 | 4450.6 | 4394.2 |
| 5°    | 5427.6  | 5376.6  | 5336.3  | 5288.0  | 5261.1  | 4901.5  | 4769.9  | 4678.7 | 4528.4 | 4439.8 | 4359.2 |
| 7.5°  | 6243.6  | 6101.3  | 6018.1  | 5924.2  | 5843.6  | 5194.0  | 4976.7  | 4834.4 | 4625.0 | 4506.9 | 4415.6 |
| 10°   | 7169.7  | 7022.0  | 6890.5  | 6745.5  | 6619.4  | 5583.3  | 5266.6  | 5046.4 | 4769.9 | 4617.0 | 4496.2 |
| 12.5° | 8203.1  | 8058.2  | 7891.8  | 7706.5  | 7545.5  | 6077.1  | 5637.0  | 5322.9 | 4944.4 | 4740.5 | 4571.3 |
| 15°   | 9424.4  | 9169.4  | 8968.1  | 8753.4  | 8565.5  | 6667.7  | 6069.2  | 5634.3 | 5129.6 | 4853.2 | 4627.6 |
| 17.5° | 10559.9 | 10291.5 | 10017.7 | 9829.7  | 9612.4  | 7330.8  | 6504.0  | 5951.0 | 5282.6 | 4925.6 | 4638.4 |
| 20°   | 11668.5 | 11375.9 | 11139.7 | 10887.4 | 10659.2 | 8017.9  | 6968.3  | 6230.2 | 5381.9 | 4928.3 | 4571.3 |
| 22.5° | 12645.6 | 12463.0 | 12200.0 | 11926.2 | 11695.3 | 8705.1  | 7403.2  | 6466.4 | 5419.5 | 4866.6 | 4453.2 |
| 25°   | 13756.8 | 13563.6 | 13241.5 | 13010.6 | 12752.9 | 9405.6  | 7830.0  | 6649.0 | 5398.0 | 4751.2 | 4270.6 |
| 27.5° | 14943.3 | 14728.5 | 14398.4 | 14156.8 | 13845.4 | 10133.1 | 8221.9  | 6780.4 | 5317.5 | 4563.3 | 4026.4 |
| 30°   | 16180.7 | 15984.8 | 15660.0 | 15415.8 | 15101.7 | 10903.5 | 8659.5  | 6869.0 | 5156.5 | 4302.8 | 3741.9 |
| 32.5° | 17509.4 | 17345.8 | 17023.6 | 16768.6 | 16433.1 | 11738.3 | 9067.4  | 6895.9 | 4912.2 | 3994.2 | 3441.2 |
| 35°   | 18771.0 | 18658.3 | 18387.2 | 18148.3 | 17799.3 | 12527.5 | 9499.6  | 6882.4 | 4622.3 | 3655.9 | 3167.5 |
| 37.5° | 20191.0 | 20123.9 | 19989.7 | 19686.4 | 19259.6 | 13598.5 | 10017.7 | 6826.0 | 4268.0 | 3320.4 | 2958.1 |
| 40°   | 21705.0 | 21710.3 | 21565.3 | 21358.7 | 20961.4 | 14897.6 | 10635.1 | 6716.1 | 3881.5 | 3025.2 | 2767.5 |
| 42.5° | 23307.5 | 23390.7 | 23320.9 | 23173.3 | 22792.1 | 16207.6 | 11373.3 | 6581.8 | 3505.7 | 2737.9 | 2579.6 |
| 45°   | 25143.5 | 25245.5 | 25352.9 | 25135.4 | 24765.0 | 17936.2 | 12345.0 | 6407.4 | 3100.4 | 2499.1 | 2450.7 |
| 47.5° | 27261.4 | 27422.4 | 27519.1 | 27521.8 | 27151.4 | 20078.3 | 13923.3 | 6302.6 | 2740.6 | 2338.0 | 2389.0 |
| 50°   | 31730.7 | 31781.8 | 32009.9 | 32407.2 | 32122.6 | 25036.1 | 16680.0 | 6238.3 | 2496.4 | 2238.7 | 2343.4 |
| 52.5° | 38170.3 | 38731.3 | 39125.8 | 39099.0 | 38712.4 | 28184.8 | 18199.3 | 5905.4 | 2351.5 | 2201.1 | 2321.9 |
| 55°   | 40792.8 | 41493.3 | 42223.5 | 42416.8 | 42116.1 | 30871.7 | 19635.4 | 5572.5 | 2281.6 | 2228.0 | 2330.0 |
| 57.5° | 44287.7 | 45468.7 | 46470.0 | 46891.5 | 46456.6 | 34310.3 | 21525.1 | 5398.0 | 2260.1 | 2300.4 | 2380.9 |
| 60°   | 48370.4 | 49830.7 | 51146.0 | 51903.0 | 51903.0 | 38261.5 | 23484.6 | 5325.6 | 2230.6 | 2407.8 | 2466.8 |
| 62.5° | 50993.0 | 53137.7 | 55124.1 | 56232.6 | 56200.5 | 41012.9 | 24354.3 | 5078.6 | 2163.5 | 2482.9 | 2585.0 |
| 65°   | 51003.7 | 53553.8 | 56085.0 | 57330.6 | 57395.0 | 40674.7 | 22918.3 | 4485.4 | 2040.1 | 2493.6 | 2703.0 |
| 67.5° | 46751.8 | 49471.0 | 52421.0 | 53814.2 | 54136.3 | 37442.9 | 19839.4 | 3688.1 | 1838.8 | 2386.3 | 2746.0 |
| 70°   | 39485.6 | 42140.3 | 45152.0 | 46521.0 | 47092.8 | 31918.6 | 15979.4 | 2842.7 | 1581.1 | 2150.1 | 2657.4 |
| 72.5° | 31107.9 | 33711.7 | 35808.1 | 36809.4 | 37254.9 | 24397.3 | 11636.3 | 2147.4 | 1296.5 | 1811.9 | 2418.6 |
| 75°   | 22024.4 | 23978.6 | 25092.5 | 25315.3 | 25385.1 | 14707.1 | 7070.3  | 1597.1 | 1068.4 | 1409.2 | 2042.7 |
| 77.5° | 12430.8 | 13268.3 | 13177.0 | 13276.4 | 12449.6 | 5677.2  | 3078.9  | 1143.5 | 880.5  | 1071.0 | 1583.7 |
| 80°   | 4853.2  | 5003.5  | 4700.2  | 4606.2  | 4225.0  | 2112.5  | 1358.3  | 797.2  | 703.3  | 810.7  | 1108.6 |
| 82.5° | 2139.4  | 2209.2  | 2144.7  | 2160.9  | 2066.9  | 1089.9  | 813.3   | 577.1  | 536.8  | 593.2  | 735.5  |
| 85°   | 1178.4  | 1199.8  | 1194.5  | 1229.4  | 1178.4  | 434.9   | 386.6   | 354.4  | 375.8  | 402.6  | 472.4  |
| 87.5° | 574.4   | 579.8   | 561.0   | 590.5   | 571.7   | 220.1   | 190.6   | 201.3  | 220.1  | 225.5  | 225.5  |
| 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: P191417

CATALOG NUMBER: GAN-AF-09-LED-U-T2R-ADJ

**CANDELA DISTRIBUTION (continued):**

|       | 135°   | 145°   | 155°   | 165°   | 175°   | 180°   |
|-------|--------|--------|--------|--------|--------|--------|
| 0°    | 4608.9 | 4608.9 | 4608.9 | 4608.9 | 4608.9 | 4608.9 |
| 2.5°  | 4353.9 | 4332.4 | 4335.1 | 4329.7 | 4319.0 | 4319.0 |
| 5°    | 4316.3 | 4294.9 | 4294.9 | 4289.4 | 4276.0 | 4278.7 |
| 7.5°  | 4353.9 | 4319.0 | 4305.6 | 4286.8 | 4268.0 | 4268.0 |
| 10°   | 4396.8 | 4335.1 | 4297.5 | 4265.3 | 4241.2 | 4241.2 |
| 12.5° | 4429.1 | 4332.4 | 4270.6 | 4227.8 | 4203.5 | 4203.5 |
| 15°   | 4439.8 | 4313.6 | 4227.8 | 4176.7 | 4155.2 | 4152.6 |
| 17.5° | 4404.9 | 4241.2 | 4136.4 | 4077.4 | 4050.6 | 4042.5 |
| 20°   | 4297.5 | 4109.6 | 3983.5 | 3916.4 | 3878.7 | 3865.3 |
| 22.5° | 4136.4 | 3921.7 | 3774.1 | 3704.3 | 3655.9 | 3647.9 |
| 25°   | 3910.9 | 3680.2 | 3535.2 | 3468.1 | 3441.2 | 3433.1 |
| 27.5° | 3647.9 | 3433.1 | 3309.7 | 3266.8 | 3242.5 | 3239.9 |
| 30°   | 3398.2 | 3215.7 | 3124.5 | 3092.3 | 3062.7 | 3057.4 |
| 32.5° | 3164.7 | 3049.3 | 3014.4 | 2968.8 | 2899.0 | 2891.0 |
| 35°   | 2998.4 | 2987.6 | 2963.4 | 2861.4 | 2775.6 | 2751.3 |
| 37.5° | 2896.3 | 2995.6 | 2872.1 | 2670.8 | 2609.1 | 2603.7 |
| 40°   | 2837.3 | 2912.4 | 2700.4 | 2630.6 | 2635.9 | 2630.6 |
| 42.5° | 2703.0 | 2780.9 | 2705.7 | 2673.5 | 2695.0 | 2700.4 |
| 45°   | 2568.8 | 2654.8 | 2746.0 | 2724.5 | 2775.6 | 2775.6 |
| 47.5° | 2493.6 | 2622.5 | 2743.3 | 2743.3 | 2818.4 | 2845.3 |
| 50°   | 2407.8 | 2595.6 | 2700.4 | 2737.9 | 2797.1 | 2775.6 |
| 52.5° | 2402.4 | 2550.0 | 2638.6 | 2705.7 | 2732.6 | 2708.5 |
| 55°   | 2410.5 | 2512.5 | 2576.9 | 2652.1 | 2684.2 | 2687.0 |
| 57.5° | 2421.2 | 2491.0 | 2534.0 | 2568.8 | 2665.5 | 2665.5 |
| 60°   | 2448.0 | 2472.2 | 2496.4 | 2515.1 | 2641.4 | 2644.0 |
| 62.5° | 2491.0 | 2453.4 | 2448.0 | 2466.8 | 2627.9 | 2617.1 |
| 65°   | 2558.1 | 2426.5 | 2386.3 | 2405.1 | 2614.5 | 2582.2 |
| 67.5° | 2649.3 | 2386.3 | 2308.5 | 2321.9 | 2603.7 | 2534.0 |
| 70°   | 2732.6 | 2321.9 | 2211.8 | 2198.4 | 2501.7 | 2378.3 |
| 72.5° | 2740.6 | 2246.7 | 2077.6 | 2037.3 | 2174.3 | 2056.1 |
| 75°   | 2606.4 | 2195.8 | 1930.0 | 1811.9 | 1795.8 | 1779.6 |
| 77.5° | 2348.7 | 2166.2 | 1758.1 | 1573.0 | 1540.8 | 1551.5 |
| 80°   | 1964.9 | 2056.1 | 1551.5 | 1331.4 | 1505.9 | 1487.1 |
| 82.5° | 1468.3 | 1814.6 | 1318.0 | 1178.4 | 1175.7 | 1038.8 |
| 85°   | 816.0  | 1414.6 | 1073.7 | 883.1  | 614.7  | 595.9  |
| 87.5° | 228.1  | 786.4  | 751.6  | 499.3  | 340.9  | 354.4  |
| 90°   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |

(END OF REPORT)