

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: P192216

Luminaire Tested: **GAN-AF-08-LED-U-T2R-7050**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P192216  
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-08-LED-U-T2R-7050  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(8) 70 CRI, 5000K, 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: 49699 lumens  
Efficiency: N/A  
Efficacy: 111.7 lumens/watt  
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')  
IES Classification: Type II - Short - Full Cutoff  
BUG Rating: B3 - U0 - G5

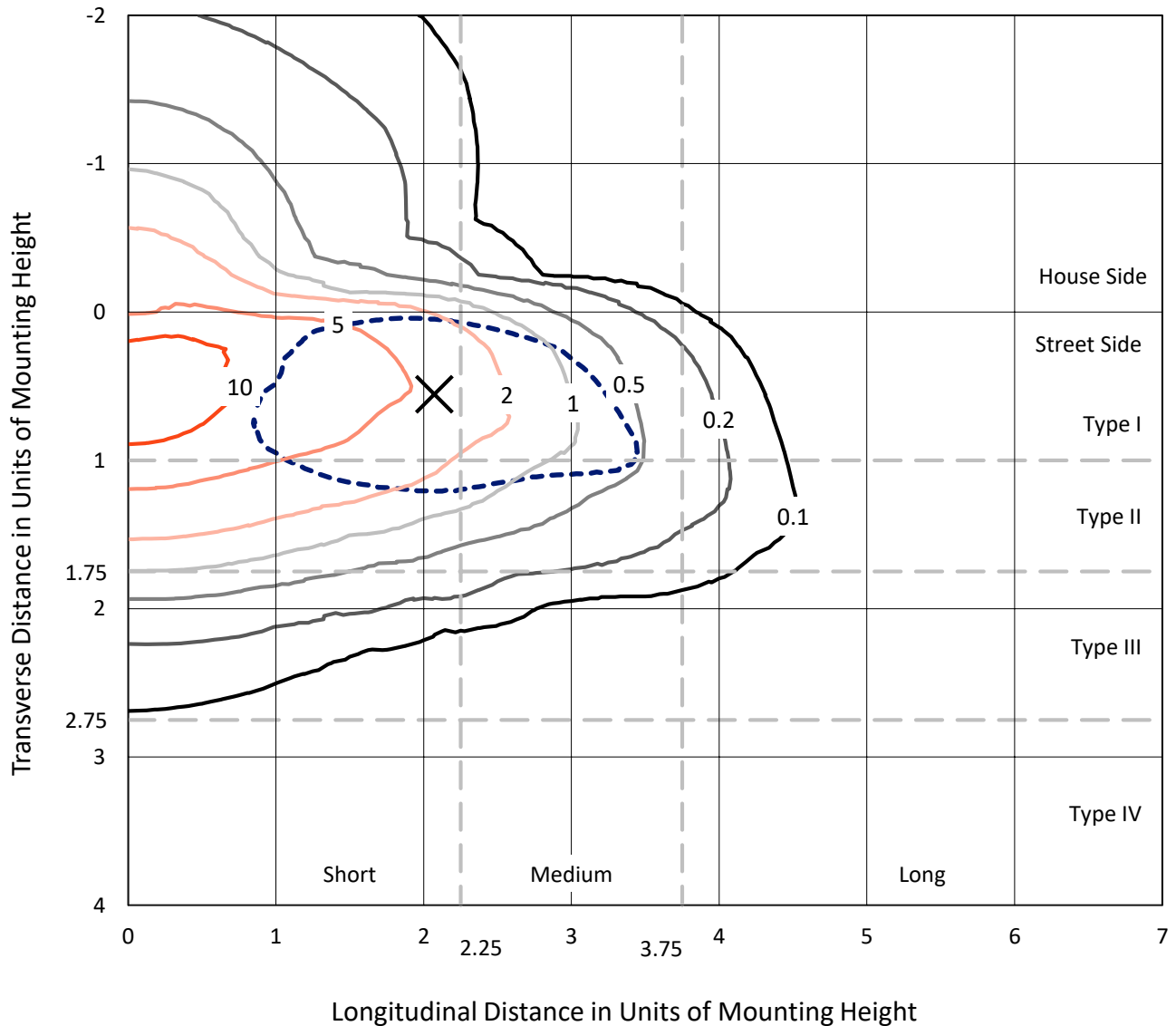
Input Watts (W): 445  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 28.75 FT



REPORT NUMBER: P192216  
 CATALOG NUMBER: GAN-AF-08-LED-U-T2R-7050

### Iso-Footcandle Lines of Horizontal Illumination

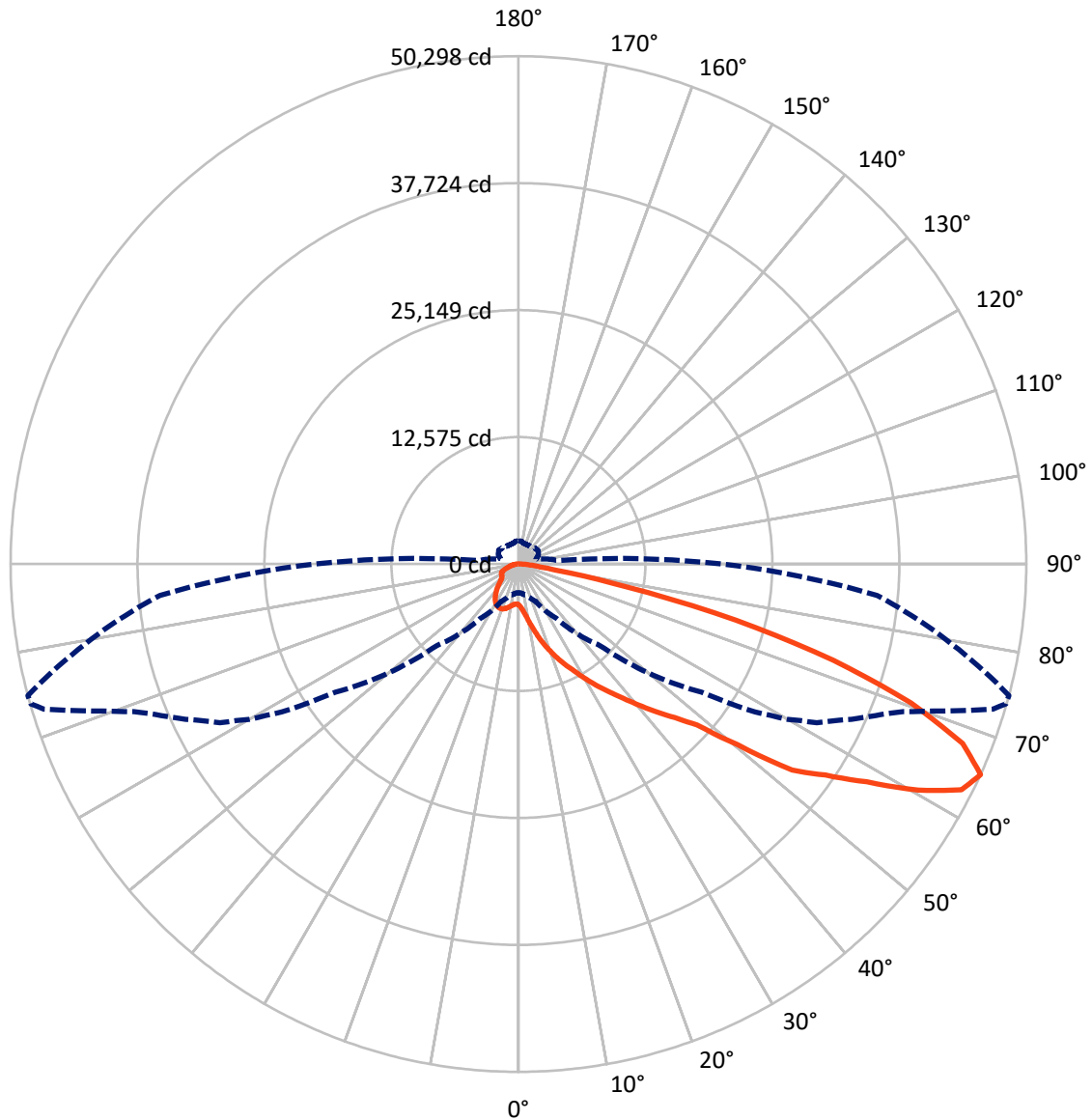
× Max cd  
 - - - 1/2 Max cd



Based on 30 foot mounting height. Maximum calculated value = 13.9 fc  
 Type II - Short - Full Cutoff

REPORT NUMBER: P192216  
CATALOG NUMBER: GAN-AF-08-LED-U-T2R-7050

### Luminous Intensity Polar Plot



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

REPORT NUMBER: P192216

CATALOG NUMBER: GAN-AF-08-LED-U-T2R-7050

**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total   |
|--------------------|-----------|----------|--------|---------|
| <b>House Side</b>  | Lumens    | 7662.4   | 0.0    | 7662.4  |
|                    | % Fixture | 15.4     | 0.0    | 15.4    |
| <b>Street Side</b> | Lumens    | 42036.6  | 0.0    | 42036.6 |
|                    | % Fixture | 84.6     | 0.0    | 84.6    |
| <b>Total</b>       | Lumens    | 49699.0  | 0.0    | 49699.0 |
|                    | % Fixture | 100.0    | 0.0    | 100.0   |

**ZONAL LUMENS:**

| Zone      | Lumens  | % Fixture |
|-----------|---------|-----------|
| 0°-10°    | 499.2   | 1.0       |
| 10°-20°   | 1950.6  | 3.9       |
| 20°-30°   | 4002.0  | 8.1       |
| 30°-40°   | 6733.2  | 13.5      |
| 40°-50°   | 9303.4  | 18.7      |
| 50°-60°   | 11613.4 | 23.4      |
| 60°-70°   | 10450.8 | 21.0      |
| 70°-80°   | 4380.9  | 8.8       |
| 80°-90°   | 765.4   | 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°    | 49699.0 | 100.0     |
| 0°-180°   | 49699.0 | 100.0     |

**Coefficient of Utilization**



REPORT NUMBER: P192216

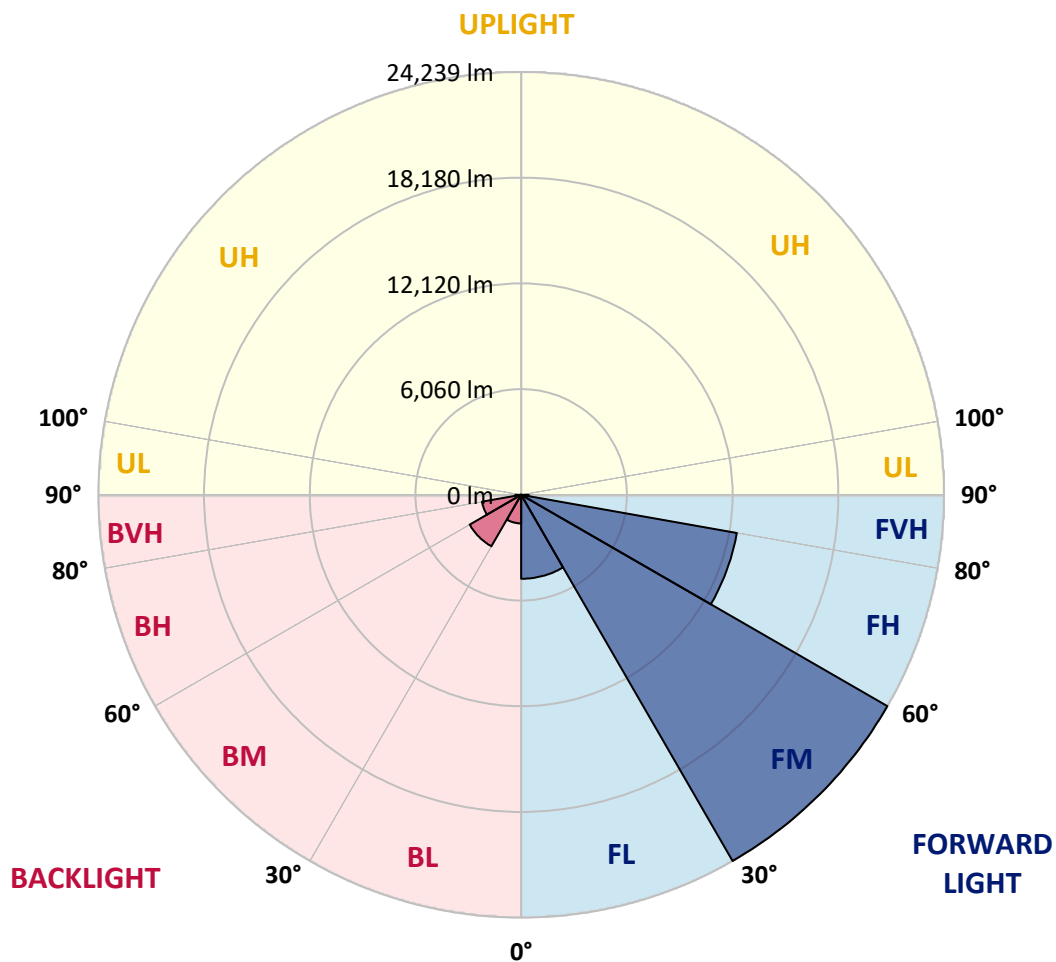
CATALOG NUMBER: GAN-AF-08-LED-U-T2R-7050

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

| Zone |             | Lumens  | % Fixture | Zone Rating/Lumen Limit |      |         |
|------|-------------|---------|-----------|-------------------------|------|---------|
|      |             |         |           | B                       | U    | G       |
| FL   | (0°-30°)    | 4813.2  | 9.7       |                         |      |         |
| FM   | (30°-60°)   | 24239.4 | 48.8      |                         |      |         |
| FH   | (60°-80°)   | 12553.8 | 25.3      |                         |      | G5      |
| FVH  | (80°-90°)   | 430.2   | 0.9       |                         |      | G3/500  |
| BL   | (0°-30°)    | 1638.7  | 3.3       | B3/2500                 |      |         |
| BM   | (30°-60°)   | 3410.6  | 6.9       | B3/5000                 |      |         |
| BH   | (60°-80°)   | 2277.9  | 4.6       | B3/2500                 |      | G3/2500 |
| BVH  | (80°-90°)   | 335.2   | 0.7       |                         |      | G3/500  |
| UL   | (90°-100°)  | 0.0     | 0.0       |                         | U0/0 |         |
| UH   | (100°-180°) | 0.0     | 0.0       |                         | U0/0 |         |

**BUG Rating: B3-U0-G5**

Type II Short





REPORT NUMBER: P192216

CATALOG NUMBER: GAN-AF-08-LED-U-T2R-7050

**CANDELA DISTRIBUTION (FULL):**

|       | 0°      | 5°      | 15°     | 25°     | 35°     | 45°     | 55°     | 56°     | 57°     | 58°     | 59°     |
|-------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 0°    | 4039.0  | 4039.0  | 4039.0  | 4039.0  | 4039.0  | 4039.0  | 4039.0  | 4039.0  | 4039.0  | 4039.0  | 4039.0  |
| 2.5°  | 5128.1  | 5071.7  | 5085.8  | 4991.7  | 4876.4  | 4725.9  | 4558.9  | 4556.5  | 4558.9  | 4542.4  | 4481.2  |
| 5°    | 7111.2  | 7043.0  | 7017.1  | 6805.4  | 6494.9  | 6052.6  | 5572.7  | 5521.0  | 5499.8  | 5445.7  | 5321.0  |
| 7.5°  | 8557.9  | 8520.2  | 8480.2  | 8320.3  | 8038.0  | 7544.0  | 6899.5  | 6788.9  | 6683.0  | 6657.2  | 6516.0  |
| 10°   | 9491.8  | 9482.3  | 9397.7  | 9355.3  | 9178.9  | 8750.8  | 8122.7  | 8016.8  | 7901.6  | 7861.6  | 7713.4  |
| 12.5° | 10230.4 | 10228.0 | 10188.1 | 10199.8 | 10046.9 | 9736.4  | 9195.4  | 9098.9  | 9014.2  | 8891.9  | 8786.0  |
| 15°   | 10740.9 | 10743.2 | 10802.0 | 10867.9 | 10844.4 | 10635.0 | 10126.9 | 10084.5 | 10011.6 | 9926.9  | 9802.3  |
| 17.5° | 11159.6 | 11171.3 | 11232.5 | 11352.5 | 11481.8 | 11465.4 | 11063.1 | 11027.8 | 10964.3 | 10849.1 | 10783.2 |
| 20°   | 12105.2 | 12149.9 | 12032.3 | 12032.3 | 12046.4 | 12109.9 | 11917.0 | 11888.8 | 11799.4 | 11738.3 | 11686.5 |
| 22.5° | 13702.5 | 13754.2 | 13488.4 | 13217.9 | 12952.1 | 12759.2 | 12566.3 | 12601.6 | 12540.4 | 12498.1 | 12467.5 |
| 25°   | 15777.2 | 15817.2 | 15386.8 | 14930.4 | 14389.4 | 13683.7 | 13206.1 | 13185.0 | 13152.0 | 13126.1 | 13112.0 |
| 27.5° | 17729.7 | 17746.2 | 17339.2 | 16671.1 | 16043.1 | 15029.2 | 13855.4 | 13829.5 | 13789.5 | 13740.1 | 13697.8 |
| 30°   | 19399.9 | 19395.2 | 18976.5 | 18339.0 | 17666.2 | 16544.1 | 14841.0 | 14761.0 | 14643.4 | 14509.3 | 14405.8 |
| 32.5° | 20846.6 | 20839.5 | 20380.8 | 19719.8 | 19014.1 | 18044.9 | 16191.3 | 16026.6 | 15843.1 | 15582.0 | 15424.4 |
| 35°   | 21985.1 | 21980.4 | 21547.6 | 20858.3 | 20049.1 | 19458.7 | 17739.1 | 17536.8 | 17303.9 | 16953.4 | 16711.1 |
| 37.5° | 22415.6 | 22415.6 | 22173.3 | 21702.8 | 20987.7 | 20583.1 | 19458.7 | 19214.0 | 18964.7 | 18567.1 | 18294.3 |
| 40°   | 22163.9 | 22168.6 | 22220.4 | 22133.3 | 21785.2 | 21474.7 | 21063.0 | 20917.1 | 20703.1 | 20345.5 | 20060.9 |
| 42.5° | 21319.4 | 21345.3 | 21688.7 | 22109.8 | 22283.9 | 22234.5 | 22486.2 | 22420.3 | 22269.7 | 21994.5 | 21768.7 |
| 45°   | 20249.1 | 20329.1 | 20705.4 | 21500.5 | 22422.7 | 22890.8 | 23678.8 | 23685.9 | 23657.6 | 23509.4 | 23335.4 |
| 47.5° | 18778.9 | 18891.8 | 19388.1 | 20463.1 | 22098.0 | 23528.3 | 24890.3 | 24953.8 | 25012.6 | 24916.1 | 24836.2 |
| 50°   | 16826.4 | 16960.5 | 17703.8 | 19129.4 | 21437.0 | 24189.3 | 27179.1 | 27466.1 | 27734.3 | 27701.3 | 27755.4 |
| 52.5° | 14735.2 | 14892.8 | 15803.1 | 17391.0 | 20300.8 | 24342.2 | 28642.3 | 29110.4 | 29578.5 | 29962.0 | 30368.9 |
| 55°   | 12848.6 | 12763.9 | 13674.2 | 15346.8 | 18433.1 | 23652.9 | 29957.2 | 30521.8 | 31044.0 | 31514.5 | 31999.1 |
| 57.5° | 10291.6 | 10430.3 | 11343.1 | 12996.8 | 15960.7 | 21707.5 | 30862.9 | 31688.6 | 32439.0 | 33217.6 | 33904.5 |
| 60°   | 7522.8  | 7661.6  | 8652.0  | 10331.5 | 13276.7 | 18757.7 | 30171.3 | 31422.8 | 32624.8 | 33817.5 | 34749.0 |
| 62.5° | 4542.4  | 4645.9  | 5518.6  | 7118.2  | 10237.5 | 15259.7 | 27089.7 | 28731.7 | 30500.6 | 31926.2 | 33354.0 |
| 65°   | 2827.5  | 2886.3  | 3208.6  | 4088.4  | 6574.8  | 11392.5 | 22133.3 | 23923.5 | 25828.9 | 27637.8 | 29122.2 |
| 67.5° | 2314.7  | 2335.9  | 2394.7  | 2582.9  | 3610.9  | 7428.7  | 16473.5 | 18059.0 | 19778.6 | 21528.8 | 23180.1 |
| 70°   | 2081.8  | 2067.7  | 2067.7  | 2079.5  | 2314.7  | 3994.3  | 10785.6 | 11818.2 | 13250.8 | 14772.8 | 16283.0 |
| 72.5° | 1879.5  | 1865.4  | 1839.5  | 1804.3  | 1888.9  | 2437.0  | 5575.1  | 6353.7  | 7386.4  | 8739.0  | 10185.7 |
| 75°   | 1689.0  | 1670.2  | 1639.6  | 1594.9  | 1653.7  | 1839.5  | 2677.0  | 3004.0  | 3507.4  | 4227.2  | 5034.0  |
| 77.5° | 1491.4  | 1467.9  | 1439.6  | 1406.7  | 1482.0  | 1430.2  | 1569.0  | 1686.6  | 1879.5  | 2110.1  | 2413.5  |
| 80°   | 1267.9  | 1246.7  | 1237.3  | 1220.9  | 1310.3  | 1089.1  | 1108.0  | 1180.9  | 1293.8  | 1418.5  | 1559.6  |
| 82.5° | 992.7   | 992.7   | 1030.3  | 1037.4  | 1136.2  | 783.3   | 828.0   | 891.5   | 950.4   | 1016.2  | 1082.1  |
| 85°   | 654.0   | 658.7   | 785.7   | 835.1   | 896.2   | 526.9   | 621.0   | 642.2   | 689.2   | 726.9   | 755.1   |
| 87.5° | 204.7   | 221.1   | 479.9   | 531.6   | 515.2   | 298.7   | 381.1   | 390.5   | 423.4   | 449.3   | 472.8   |
| 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: P192216

CATALOG NUMBER: GAN-AF-08-LED-U-T2R-7050

**CANDELA DISTRIBUTION (continued):**

|       | 60°     | 61°     | 62°     | 63°     | 64°     | 65°     | 66°     | 67°     | 68°     | 69°     | 70°     |
|-------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 0°    | 4039.0  | 4039.0  | 4039.0  | 4039.0  | 4039.0  | 4039.0  | 4039.0  | 4039.0  | 4039.0  | 4039.0  | 4039.0  |
| 2.5°  | 4481.2  | 4453.0  | 4427.1  | 4424.8  | 4406.0  | 4380.1  | 4389.5  | 4349.5  | 4351.9  | 4330.7  | 4307.2  |
| 5°    | 5269.3  | 5250.5  | 5156.4  | 5130.5  | 5059.9  | 5015.2  | 5008.2  | 4914.1  | 4902.3  | 4848.2  | 4789.4  |
| 7.5°  | 6403.1  | 6342.0  | 6210.2  | 6146.7  | 6026.7  | 5937.3  | 5895.0  | 5770.3  | 5709.2  | 5568.0  | 5504.5  |
| 10°   | 7591.1  | 7513.4  | 7351.1  | 7261.7  | 7146.5  | 7003.0  | 6925.3  | 6744.2  | 6673.6  | 6544.3  | 6389.0  |
| 12.5° | 8692.0  | 8614.3  | 8447.3  | 8379.1  | 8226.2  | 8073.3  | 7988.6  | 7783.9  | 7692.2  | 7485.2  | 7362.9  |
| 15°   | 9710.5  | 9632.9  | 9487.0  | 9416.5  | 9263.6  | 9138.9  | 9026.0  | 8823.7  | 8715.5  | 8522.6  | 8362.6  |
| 17.5° | 10698.5 | 10616.2 | 10489.2 | 10425.6 | 10277.4 | 10150.4 | 10028.1 | 9837.6  | 9727.0  | 9534.1  | 9390.6  |
| 20°   | 11615.9 | 11554.8 | 11463.0 | 11378.3 | 11230.1 | 11114.9 | 10969.0 | 10804.4 | 10644.4 | 10503.3 | 10366.8 |
| 22.5° | 12415.7 | 12392.2 | 12293.4 | 12255.8 | 12128.7 | 12029.9 | 11902.9 | 11740.6 | 11625.3 | 11446.6 | 11319.5 |
| 25°   | 13105.0 | 13097.9 | 13050.9 | 13039.1 | 12949.7 | 12855.6 | 12827.4 | 12693.3 | 12587.5 | 12429.8 | 12298.1 |
| 27.5° | 13697.8 | 13704.8 | 13693.1 | 13726.0 | 13702.5 | 13660.1 | 13662.5 | 13617.8 | 13556.6 | 13424.9 | 13309.6 |
| 30°   | 14356.4 | 14318.8 | 14340.0 | 14387.0 | 14401.1 | 14405.8 | 14483.5 | 14509.3 | 14504.6 | 14417.6 | 14361.1 |
| 32.5° | 15288.0 | 15198.6 | 15116.2 | 15109.2 | 15156.2 | 15175.0 | 15306.8 | 15375.0 | 15433.8 | 15455.0 | 15464.4 |
| 35°   | 16475.9 | 16297.1 | 16125.4 | 16033.7 | 15953.7 | 15974.8 | 16068.9 | 16179.5 | 16308.9 | 16398.3 | 16504.1 |
| 37.5° | 17972.0 | 17753.2 | 17449.8 | 17233.4 | 17179.3 | 17061.6 | 17122.8 | 17209.8 | 17336.9 | 17475.6 | 17659.1 |
| 40°   | 19785.7 | 19454.0 | 19112.9 | 18825.9 | 18670.6 | 18454.2 | 18451.9 | 18435.4 | 18513.0 | 18642.4 | 18901.2 |
| 42.5° | 21531.1 | 21237.1 | 20874.8 | 20573.7 | 20371.4 | 20082.1 | 20023.3 | 19870.3 | 19905.6 | 20018.5 | 20270.2 |
| 45°   | 23166.0 | 22923.7 | 22702.6 | 22354.4 | 22182.7 | 21869.8 | 21771.1 | 21589.9 | 21488.8 | 21540.5 | 21792.2 |
| 47.5° | 24749.1 | 24593.9 | 24363.3 | 24137.5 | 24005.8 | 23725.9 | 23598.8 | 23469.5 | 23340.1 | 23335.4 | 23598.8 |
| 50°   | 27835.4 | 27753.1 | 27480.2 | 27245.0 | 27308.5 | 26965.1 | 26986.2 | 26638.1 | 26795.7 | 26814.5 | 27367.3 |
| 52.5° | 30735.9 | 31022.9 | 31225.2 | 31472.2 | 31632.1 | 31662.7 | 31768.6 | 31926.2 | 32116.7 | 32493.1 | 33005.9 |
| 55°   | 32396.6 | 32756.6 | 32965.9 | 33154.1 | 33464.6 | 33530.5 | 33706.9 | 33916.3 | 34083.3 | 34506.7 | 34941.9 |
| 57.5° | 34370.3 | 35038.3 | 35363.0 | 35661.7 | 36080.4 | 36240.4 | 36534.4 | 36762.6 | 36979.0 | 37480.1 | 38007.0 |
| 60°   | 35586.4 | 36400.3 | 37061.4 | 37534.2 | 38058.8 | 38435.1 | 38879.7 | 39237.3 | 39745.4 | 40345.2 | 41130.9 |
| 62.5° | 34619.6 | 35814.6 | 36692.0 | 37503.6 | 38216.4 | 38936.2 | 39573.7 | 40241.7 | 41013.3 | 41921.3 | 43139.8 |
| 65°   | 30768.8 | 31985.0 | 33488.1 | 34330.3 | 35273.6 | 36383.9 | 37353.1 | 38435.1 | 39486.6 | 40808.7 | 42610.6 |
| 67.5° | 24770.3 | 26184.1 | 27873.1 | 28722.3 | 29806.7 | 31046.4 | 32133.2 | 33455.2 | 34683.1 | 36285.1 | 38512.8 |
| 70°   | 17854.4 | 19682.2 | 21103.0 | 21989.8 | 23255.4 | 24532.7 | 25581.9 | 27120.3 | 28136.5 | 29778.5 | 32081.4 |
| 72.5° | 11305.4 | 12747.4 | 14488.2 | 15605.5 | 16730.0 | 18023.7 | 19096.4 | 20423.2 | 21371.1 | 22867.2 | 24953.8 |
| 75°   | 6078.5  | 7141.8  | 8670.8  | 9731.7  | 10936.1 | 12041.7 | 13297.9 | 14187.1 | 14888.1 | 16071.3 | 17765.0 |
| 77.5° | 2848.7  | 3495.6  | 4269.5  | 5085.8  | 5902.1  | 6753.6  | 7581.6  | 8301.5  | 8602.6  | 9280.0  | 10279.8 |
| 80°   | 1729.0  | 1938.3  | 2164.2  | 2415.9  | 2757.0  | 3032.2  | 3396.8  | 3660.3  | 3679.1  | 3893.1  | 4199.0  |
| 82.5° | 1155.0  | 1232.6  | 1300.9  | 1364.4  | 1451.4  | 1519.6  | 1597.2  | 1689.0  | 1726.6  | 1776.0  | 1874.8  |
| 85°   | 788.0   | 825.7   | 839.8   | 879.8   | 870.4   | 893.9   | 924.5   | 955.1   | 971.5   | 969.2   | 1013.9  |
| 87.5° | 484.6   | 503.4   | 512.8   | 522.2   | 515.2   | 505.8   | 519.9   | 536.3   | 541.0   | 526.9   | 531.6   |
| 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: P192216

CATALOG NUMBER: GAN-AF-08-LED-U-T2R-7050

**CANDELA DISTRIBUTION (continued):**

|       | 71°     | 72°     | 73°     | 74°     | 75°     | 85°     | 90°     | 95°    | 105°   | 115°   | 125°   |
|-------|---------|---------|---------|---------|---------|---------|---------|--------|--------|--------|--------|
| 0°    | 4039.0  | 4039.0  | 4039.0  | 4039.0  | 4039.0  | 4039.0  | 4039.0  | 4039.0 | 4039.0 | 4039.0 | 4039.0 |
| 2.5°  | 4311.9  | 4290.7  | 4269.5  | 4255.4  | 4250.7  | 4126.0  | 4071.9  | 4036.6 | 3961.4 | 3900.2 | 3850.8 |
| 5°    | 4756.5  | 4711.8  | 4676.5  | 4634.1  | 4610.6  | 4295.4  | 4180.1  | 4100.2 | 3968.4 | 3890.8 | 3820.2 |
| 7.5°  | 5471.6  | 5346.9  | 5274.0  | 5191.6  | 5121.1  | 4551.8  | 4361.3  | 4236.6 | 4053.1 | 3949.6 | 3869.6 |
| 10°   | 6283.1  | 6153.8  | 6038.5  | 5911.5  | 5800.9  | 4892.9  | 4615.3  | 4422.4 | 4180.1 | 4046.1 | 3940.2 |
| 12.5° | 7188.8  | 7061.8  | 6915.9  | 6753.6  | 6612.5  | 5325.7  | 4939.9  | 4664.7 | 4333.0 | 4154.3 | 4006.1 |
| 15°   | 8259.1  | 8035.6  | 7859.2  | 7671.0  | 7506.4  | 5843.3  | 5318.7  | 4937.6 | 4495.4 | 4253.1 | 4055.5 |
| 17.5° | 9254.2  | 9018.9  | 8779.0  | 8614.3  | 8423.8  | 6424.3  | 5699.8  | 5215.2 | 4629.4 | 4316.6 | 4064.9 |
| 20°   | 10225.7 | 9969.3  | 9762.3  | 9541.2  | 9341.2  | 7026.5  | 6106.7  | 5459.8 | 4716.5 | 4318.9 | 4006.1 |
| 22.5° | 11081.9 | 10922.0 | 10691.5 | 10451.5 | 10249.2 | 7628.7  | 6487.8  | 5666.8 | 4749.4 | 4264.8 | 3902.6 |
| 25°   | 12055.8 | 11886.5 | 11604.2 | 11401.9 | 11176.0 | 8242.7  | 6861.8  | 5826.8 | 4730.6 | 4163.7 | 3742.6 |
| 27.5° | 13095.6 | 12907.4 | 12618.0 | 12406.3 | 12133.4 | 8880.1  | 7205.3  | 5942.1 | 4660.0 | 3999.0 | 3528.5 |
| 30°   | 14180.0 | 14008.3 | 13723.6 | 13509.6 | 13234.4 | 9555.3  | 7588.7  | 6019.7 | 4518.9 | 3770.8 | 3279.2 |
| 32.5° | 15344.4 | 15200.9 | 14918.6 | 14695.2 | 14401.1 | 10286.9 | 7946.3  | 6043.2 | 4304.8 | 3500.3 | 3015.7 |
| 35°   | 16450.0 | 16351.2 | 16113.6 | 15904.3 | 15598.5 | 10978.4 | 8325.0  | 6031.4 | 4050.8 | 3203.9 | 2775.8 |
| 37.5° | 17694.4 | 17635.6 | 17518.0 | 17252.2 | 16878.2 | 11917.0 | 8779.0  | 5982.0 | 3740.2 | 2909.9 | 2592.3 |
| 40°   | 19021.1 | 19025.9 | 18898.8 | 18717.7 | 18369.5 | 13055.6 | 9320.0  | 5885.6 | 3401.5 | 2651.1 | 2425.3 |
| 42.5° | 20425.5 | 20498.4 | 20437.3 | 20307.9 | 19973.9 | 14203.5 | 9966.9  | 5768.0 | 3072.2 | 2399.4 | 2260.6 |
| 45°   | 22034.5 | 22123.9 | 22218.0 | 22027.5 | 21702.8 | 15718.4 | 10818.5 | 5615.1 | 2717.0 | 2190.0 | 2147.7 |
| 47.5° | 23890.5 | 24031.7 | 24116.3 | 24118.7 | 23794.1 | 17595.6 | 12201.7 | 5523.3 | 2401.8 | 2048.9 | 2093.6 |
| 50°   | 27807.2 | 27851.9 | 28051.8 | 28400.0 | 28150.6 | 21940.4 | 14617.5 | 5466.9 | 2187.7 | 1961.9 | 2053.6 |
| 52.5° | 33450.5 | 33942.1 | 34287.9 | 34264.4 | 33925.7 | 24699.7 | 15949.0 | 5175.2 | 2060.7 | 1928.9 | 2034.8 |
| 55°   | 35748.7 | 36362.7 | 37002.6 | 37171.9 | 36908.5 | 27054.4 | 17207.5 | 4883.5 | 1999.5 | 1952.5 | 2041.8 |
| 57.5° | 38811.5 | 39846.6 | 40724.0 | 41093.3 | 40712.2 | 30067.8 | 18863.5 | 4730.6 | 1980.7 | 2016.0 | 2086.5 |
| 60°   | 42389.4 | 43669.1 | 44821.8 | 45485.1 | 45485.1 | 33530.5 | 20580.8 | 4667.1 | 1954.8 | 2110.1 | 2161.8 |
| 62.5° | 44687.7 | 46567.2 | 48308.0 | 49279.5 | 49251.3 | 35941.6 | 21342.9 | 4450.7 | 1896.0 | 2175.9 | 2265.3 |
| 65°   | 44697.1 | 46931.8 | 49150.1 | 50241.6 | 50298.1 | 35645.2 | 20084.4 | 3930.8 | 1787.8 | 2185.3 | 2368.8 |
| 67.5° | 40971.0 | 43353.9 | 45939.2 | 47160.0 | 47442.3 | 32813.0 | 17386.3 | 3232.1 | 1611.4 | 2091.2 | 2406.5 |
| 70°   | 34603.1 | 36929.6 | 39569.0 | 40768.7 | 41269.7 | 27971.9 | 14003.6 | 2491.1 | 1385.5 | 1884.2 | 2328.8 |
| 72.5° | 27261.4 | 29543.2 | 31380.4 | 32257.9 | 32648.3 | 21380.6 | 10197.5 | 1881.9 | 1136.2 | 1587.8 | 2119.5 |
| 75°   | 19301.1 | 21013.6 | 21989.8 | 22185.1 | 22246.2 | 12888.6 | 6196.1  | 1399.7 | 936.2  | 1235.0 | 1790.1 |
| 77.5° | 10893.8 | 11627.7 | 11547.7 | 11634.8 | 10910.2 | 4975.2  | 2698.2  | 1002.1 | 771.6  | 938.6  | 1387.9 |
| 80°   | 4253.1  | 4384.8  | 4119.0  | 4036.6  | 3702.6  | 1851.3  | 1190.3  | 698.6  | 616.3  | 710.4  | 971.5  |
| 82.5° | 1874.8  | 1936.0  | 1879.5  | 1893.6  | 1811.3  | 955.1   | 712.8   | 505.8  | 470.5  | 519.9  | 644.5  |
| 85°   | 1032.7  | 1051.5  | 1046.8  | 1077.4  | 1032.7  | 381.1   | 338.7   | 310.5  | 329.3  | 352.9  | 414.0  |
| 87.5° | 503.4   | 508.1   | 491.6   | 517.5   | 501.1   | 192.9   | 167.0   | 176.4  | 192.9  | 197.6  | 197.6  |
| 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: P192216

CATALOG NUMBER: GAN-AF-08-LED-U-T2R-7050

**CANDELA DISTRIBUTION (continued):**

|       | 135°   | 145°   | 155°   | 165°   | 175°   | 180°   |
|-------|--------|--------|--------|--------|--------|--------|
| 0°    | 4039.0 | 4039.0 | 4039.0 | 4039.0 | 4039.0 | 4039.0 |
| 2.5°  | 3815.5 | 3796.7 | 3799.1 | 3794.3 | 3784.9 | 3784.9 |
| 5°    | 3782.6 | 3763.8 | 3763.8 | 3759.1 | 3747.3 | 3749.7 |
| 7.5°  | 3815.5 | 3784.9 | 3773.2 | 3756.7 | 3740.2 | 3740.2 |
| 10°   | 3853.2 | 3799.1 | 3766.1 | 3737.9 | 3716.7 | 3716.7 |
| 12.5° | 3881.4 | 3796.7 | 3742.6 | 3705.0 | 3683.8 | 3683.8 |
| 15°   | 3890.8 | 3780.2 | 3705.0 | 3660.3 | 3641.4 | 3639.1 |
| 17.5° | 3860.2 | 3716.7 | 3625.0 | 3573.2 | 3549.7 | 3542.6 |
| 20°   | 3766.1 | 3601.5 | 3490.9 | 3432.1 | 3399.2 | 3387.4 |
| 22.5° | 3625.0 | 3436.8 | 3307.4 | 3246.3 | 3203.9 | 3196.9 |
| 25°   | 3427.4 | 3225.1 | 3098.1 | 3039.2 | 3015.7 | 3008.7 |
| 27.5° | 3196.9 | 3008.7 | 2900.5 | 2862.8 | 2841.6 | 2839.3 |
| 30°   | 2978.1 | 2818.1 | 2738.1 | 2709.9 | 2684.0 | 2679.3 |
| 32.5° | 2773.4 | 2672.3 | 2641.7 | 2601.7 | 2540.5 | 2533.5 |
| 35°   | 2627.6 | 2618.2 | 2597.0 | 2507.6 | 2432.3 | 2411.2 |
| 37.5° | 2538.2 | 2625.2 | 2517.0 | 2340.6 | 2286.5 | 2281.8 |
| 40°   | 2486.4 | 2552.3 | 2366.5 | 2305.3 | 2310.0 | 2305.3 |
| 42.5° | 2368.8 | 2437.0 | 2371.2 | 2342.9 | 2361.8 | 2366.5 |
| 45°   | 2251.2 | 2326.5 | 2406.5 | 2387.6 | 2432.3 | 2432.3 |
| 47.5° | 2185.3 | 2298.3 | 2404.1 | 2404.1 | 2470.0 | 2493.5 |
| 50°   | 2110.1 | 2274.7 | 2366.5 | 2399.4 | 2451.2 | 2432.3 |
| 52.5° | 2105.4 | 2234.7 | 2312.4 | 2371.2 | 2394.7 | 2373.5 |
| 55°   | 2112.4 | 2201.8 | 2258.3 | 2324.1 | 2352.4 | 2354.7 |
| 57.5° | 2121.8 | 2183.0 | 2220.6 | 2251.2 | 2335.9 | 2335.9 |
| 60°   | 2145.3 | 2166.5 | 2187.7 | 2204.2 | 2314.7 | 2317.1 |
| 62.5° | 2183.0 | 2150.1 | 2145.3 | 2161.8 | 2303.0 | 2293.5 |
| 65°   | 2241.8 | 2126.5 | 2091.2 | 2107.7 | 2291.2 | 2263.0 |
| 67.5° | 2321.8 | 2091.2 | 2023.0 | 2034.8 | 2281.8 | 2220.6 |
| 70°   | 2394.7 | 2034.8 | 1938.3 | 1926.6 | 2192.4 | 2084.2 |
| 72.5° | 2401.8 | 1968.9 | 1820.7 | 1785.4 | 1905.4 | 1801.9 |
| 75°   | 2284.1 | 1924.2 | 1691.3 | 1587.8 | 1573.7 | 1559.6 |
| 77.5° | 2058.3 | 1898.4 | 1540.8 | 1378.5 | 1350.3 | 1359.7 |
| 80°   | 1721.9 | 1801.9 | 1359.7 | 1166.8 | 1319.7 | 1303.2 |
| 82.5° | 1286.7 | 1590.2 | 1155.0 | 1032.7 | 1030.3 | 910.4  |
| 85°   | 715.1  | 1239.7 | 940.9  | 773.9  | 538.7  | 522.2  |
| 87.5° | 200.0  | 689.2  | 658.7  | 437.5  | 298.7  | 310.5  |
| 90°   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |

(END OF REPORT)