

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: P456363

Luminaire Tested: **GLAN-SA7C-760-U-T4FT-HSS**

Issue Date: 1/4/2021

Test Information

Test Method: LM-79-08
Report Number: P456363
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-042-29)
Test Lab: INNOVATION CENTER
Issue Date: 1/4/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SA7C-760-U-T4FT-HSS
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(7) 70 CRI, 5700K, 1050mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE IV
FORWARD THROW OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 35261 lumens
Efficiency: N/A
Efficacy: 93.5 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B3 - U0 - G5

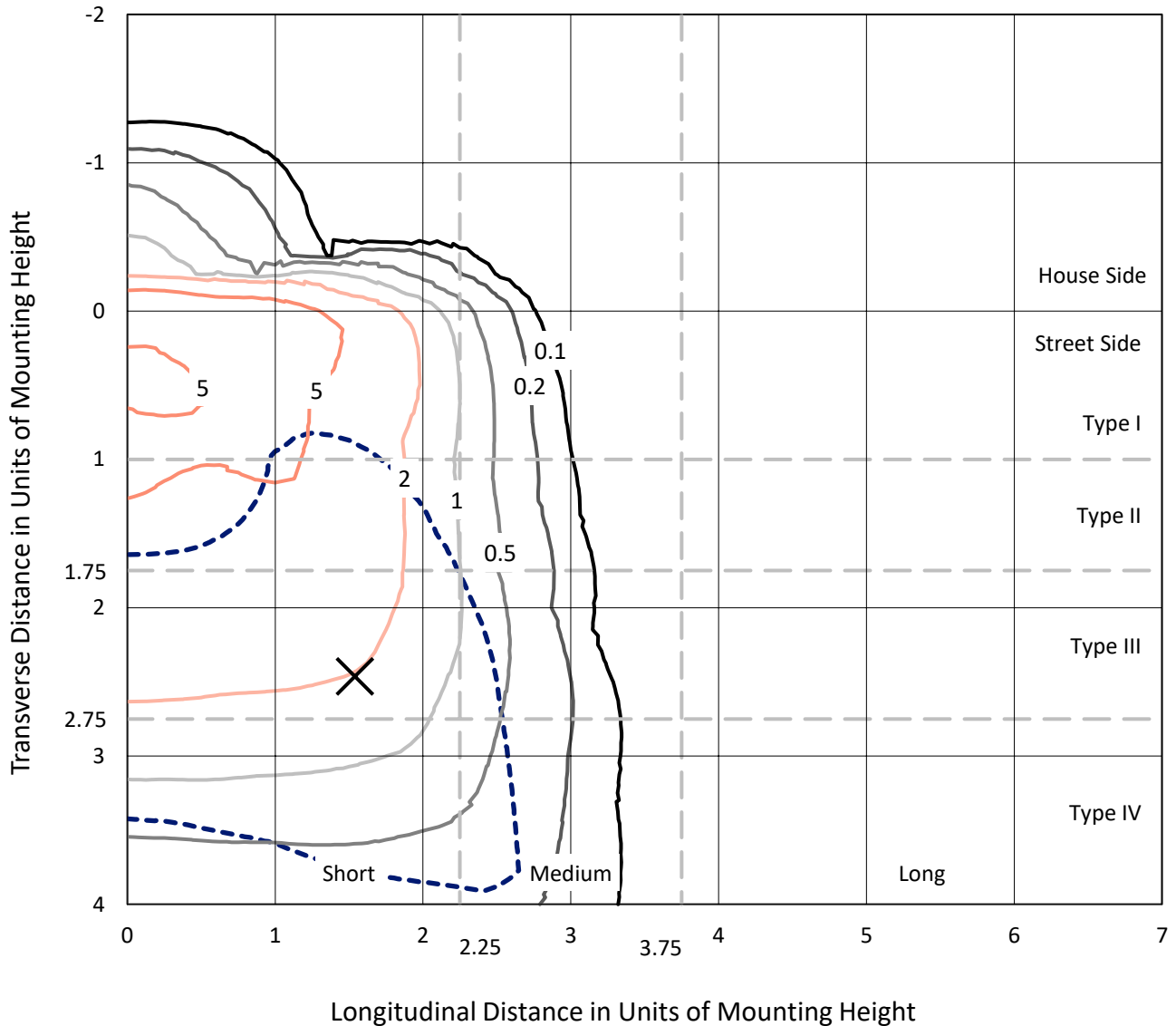
Input Watts (W): 377
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P456363
 CATALOG NUMBER: GLAN-SA7C-760-U-T4FT-HSS

Iso-Footcandle Lines of Horizontal Illumination

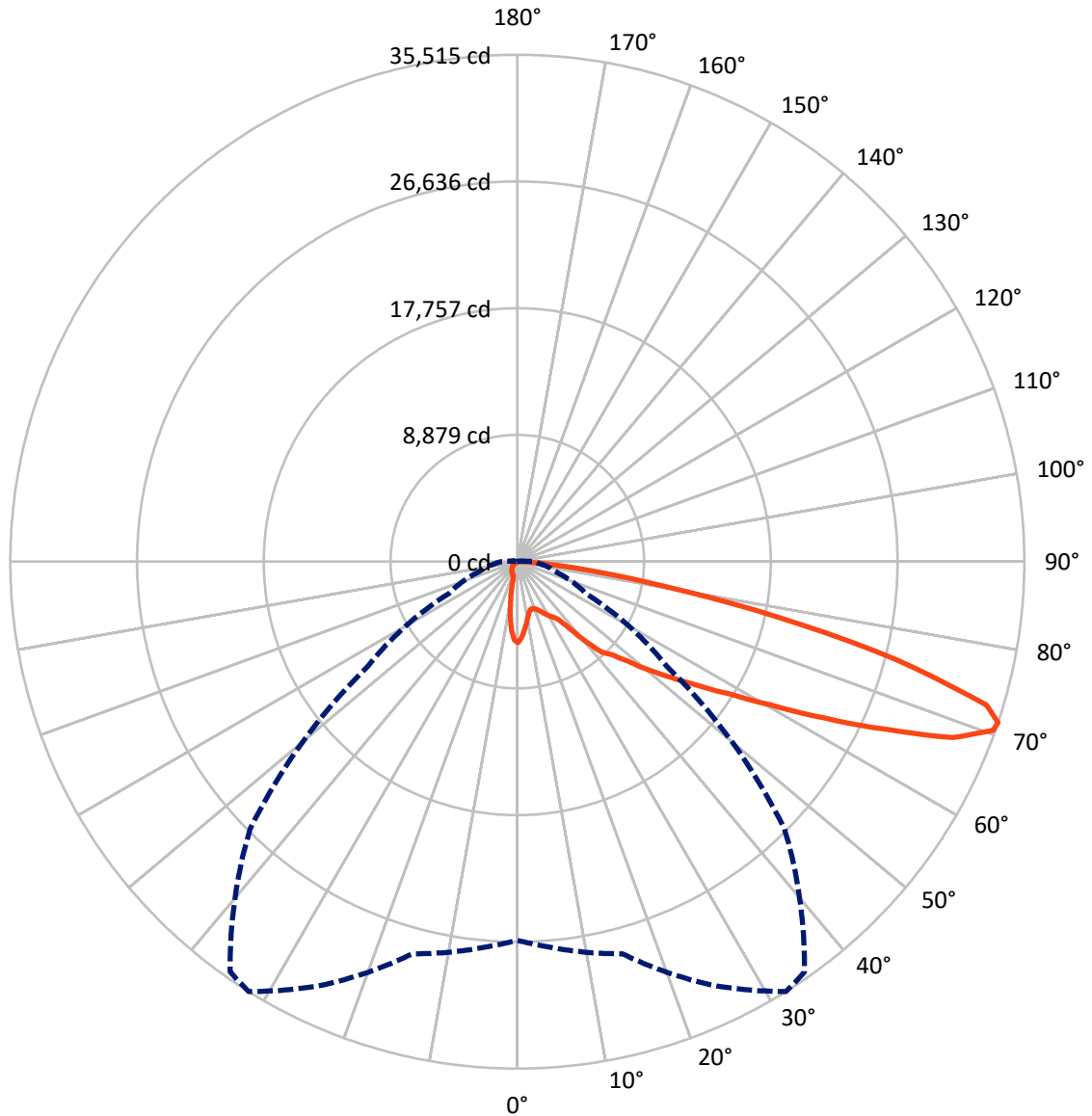
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 9.1 fc
 Type IV - Short - N/A

REPORT NUMBER: P456363
CATALOG NUMBER: GLAN-SA7C-760-U-T4FT-HSS

Luminous Intensity Polar Plot



— Vertical Plane Through 32-Deg Lateral - - - Horizontal Cone Through 71-Deg Vertical

REPORT NUMBER: P456363
 CATALOG NUMBER: GLAN-SA7C-760-U-T4FT-HSS

FLUX DISTRIBUTION:

| | | Downward | Upward | Total |
|--------------------|-----------|----------|--------|---------|
| House Side | Lumens | 2953.5 | 0.0 | 2953.5 |
| | % Fixture | 8.4 | 0.0 | 8.4 |
| Street Side | Lumens | 32307.5 | 0.0 | 32307.5 |
| | % Fixture | 91.6 | 0.0 | 91.6 |
| Total | Lumens | 35261.0 | 0.0 | 35261.0 |
| | % Fixture | 100.0 | 0.0 | 100.0 |

Coefficient of Utilization

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|---------|-----------|
| 0°-10° | 461.1 | 1.3 |
| 10°-20° | 1000.7 | 2.8 |
| 20°-30° | 1556.8 | 4.4 |
| 30°-40° | 2593.6 | 7.4 |
| 40°-50° | 4824.6 | 13.7 |
| 50°-60° | 7746.0 | 22.0 |
| 60°-70° | 10418.8 | 29.5 |
| 70°-80° | 6181.6 | 17.5 |
| 80°-90° | 477.8 | 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° | 35261.0 | 100.0 |
| 0°-180° | 35261.0 | 100.0 |

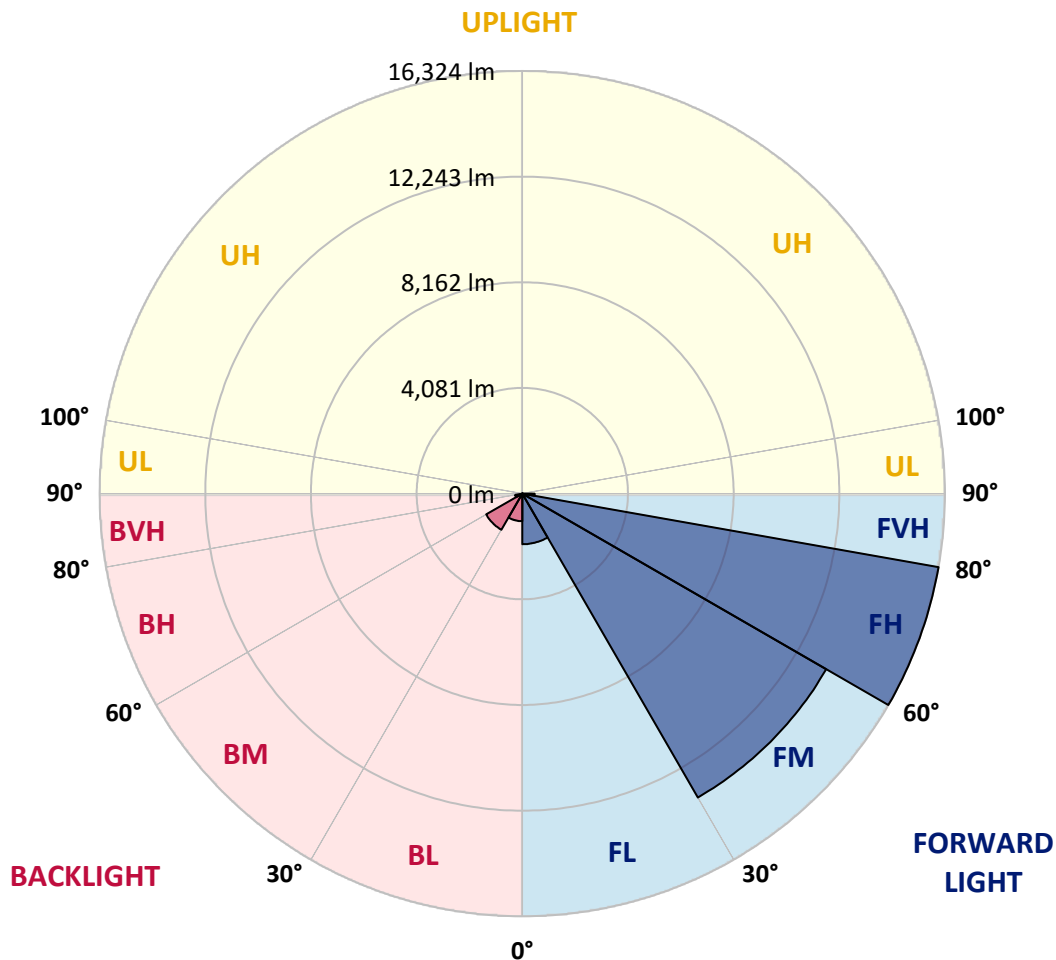


REPORT NUMBER: P456363
 CATALOG NUMBER: GLAN-SA7C-760-U-T4FT-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

| Zone | | Lumens | % Fixture | Zone Rating/Lumen Limit | | |
|------|-------------|---------|-----------|-------------------------|------|--------|
| | | | | B | U | G |
| FL | (0°-30°) | 1954.4 | 5.5 | | | |
| FM | (30°-60°) | 13553.0 | 38.4 | | | |
| FH | (60°-80°) | 16324.1 | 46.3 | | | G5 |
| FVH | (80°-90°) | 476.0 | 1.3 | | | G3/500 |
| BL | (0°-30°) | 1064.2 | 3.0 | B3/2500 | | |
| BM | (30°-60°) | 1611.2 | 4.6 | B2/2500 | | |
| BH | (60°-80°) | 276.2 | 0.8 | B1/500 | | G1/500 |
| BVH | (80°-90°) | 1.9 | 0.0 | | | G0/10 |
| UL | (90°-100°) | 0.0 | 0.0 | | U0/0 | |
| UH | (100°-180°) | 0.0 | 0.0 | | U0/0 | |

BUG Rating: B3-U0-G5
 Type IV Short





REPORT NUMBER: P456363

CATALOG NUMBER: GLAN-SA7C-760-U-T4FT-HSS

CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 15° | 25° | 32° | 35° | 45° | 55° | 65° | 75° | 85° |
|-------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 0° | 5670.5 | 5670.5 | 5670.5 | 5670.5 | 5670.5 | 5670.5 | 5670.5 | 5670.5 | 5670.5 | 5670.5 | 5670.5 |
| 2.5° | 5259.1 | 5313.2 | 5305.1 | 5324.1 | 5370.1 | 5389.0 | 5440.5 | 5497.3 | 5575.8 | 5629.9 | 5665.1 |
| 5° | 4709.6 | 4750.2 | 4755.7 | 4850.4 | 4896.4 | 4947.8 | 5099.4 | 5264.5 | 5448.6 | 5594.7 | 5692.2 |
| 7.5° | 4122.3 | 4143.9 | 4187.3 | 4311.8 | 4428.1 | 4479.6 | 4709.6 | 4996.6 | 5286.2 | 5559.5 | 5735.5 |
| 10° | 3637.8 | 3662.2 | 3740.6 | 3873.3 | 3981.5 | 4049.2 | 4368.6 | 4728.6 | 5134.6 | 5540.6 | 5797.7 |
| 12.5° | 3361.7 | 3375.2 | 3405.0 | 3524.1 | 3662.2 | 3735.2 | 4079.0 | 4490.4 | 5012.8 | 5548.7 | 5903.3 |
| 15° | 3342.8 | 3337.4 | 3302.2 | 3350.9 | 3475.4 | 3551.2 | 3886.8 | 4328.0 | 4904.5 | 5575.8 | 6027.8 |
| 17.5° | 3442.9 | 3429.4 | 3345.5 | 3345.5 | 3448.3 | 3510.6 | 3805.6 | 4241.4 | 4850.4 | 5638.0 | 6203.7 |
| 20° | 3597.2 | 3575.5 | 3437.5 | 3426.7 | 3526.8 | 3591.8 | 3854.3 | 4246.8 | 4861.2 | 5754.4 | 6439.2 |
| 22.5° | 3792.1 | 3767.7 | 3559.3 | 3564.7 | 3673.0 | 3737.9 | 3995.1 | 4344.2 | 4928.9 | 5897.9 | 6690.9 |
| 25° | 4046.5 | 4019.4 | 3773.1 | 3762.3 | 3876.0 | 3932.8 | 4203.5 | 4517.5 | 5023.6 | 6076.5 | 7021.2 |
| 27.5° | 4384.8 | 4328.0 | 4033.0 | 4016.7 | 4138.5 | 4211.6 | 4455.2 | 4750.2 | 5191.4 | 6322.8 | 7465.1 |
| 30° | 4663.6 | 4601.4 | 4319.9 | 4276.6 | 4406.5 | 4463.3 | 4715.1 | 5064.2 | 5521.7 | 6753.2 | 8079.5 |
| 32.5° | 5029.0 | 4937.0 | 4606.8 | 4493.1 | 4631.1 | 4704.2 | 5091.3 | 5648.9 | 6011.6 | 7207.9 | 8810.3 |
| 35° | 5851.9 | 5795.0 | 5391.7 | 4993.8 | 4985.7 | 5077.8 | 5646.2 | 6238.9 | 6515.0 | 7917.1 | 9806.3 |
| 37.5° | 7029.3 | 6988.7 | 6561.0 | 6027.8 | 5873.5 | 5830.2 | 6320.1 | 6888.5 | 7318.9 | 8891.5 | 10964.8 |
| 40° | 8396.2 | 8301.4 | 7909.0 | 7456.9 | 7256.6 | 7129.4 | 7115.9 | 7854.8 | 8369.1 | 10215.1 | 12172.0 |
| 42.5° | 9376.0 | 9202.8 | 8726.4 | 8693.9 | 8650.6 | 8518.0 | 8133.6 | 9267.7 | 9725.1 | 11638.8 | 13463.1 |
| 45° | 10404.5 | 10142.0 | 9432.8 | 9311.0 | 9294.8 | 9286.7 | 9671.0 | 10940.4 | 11203.0 | 13181.6 | 14789.4 |
| 47.5° | 11203.0 | 10994.6 | 10412.6 | 10358.5 | 10426.2 | 10610.2 | 11703.7 | 12716.0 | 12661.9 | 14556.6 | 15901.8 |
| 50° | 12266.7 | 12109.7 | 11462.8 | 11565.7 | 11914.9 | 12215.3 | 13996.3 | 14651.3 | 13861.0 | 15639.3 | 16711.1 |
| 52.5° | 13522.6 | 13233.0 | 12632.1 | 12910.9 | 13446.8 | 13947.6 | 16429.6 | 16345.7 | 14702.8 | 16454.0 | 17314.7 |
| 55° | 14610.7 | 14405.0 | 14199.3 | 14488.9 | 15290.1 | 15915.3 | 18627.5 | 17615.2 | 15314.5 | 17109.0 | 17580.0 |
| 57.5° | 16451.3 | 16402.6 | 16191.4 | 16486.5 | 17458.2 | 18107.8 | 20595.2 | 18600.4 | 15706.9 | 17450.0 | 17268.7 |
| 60° | 19174.2 | 19095.7 | 18703.2 | 19079.5 | 20346.2 | 21366.6 | 22408.7 | 19485.5 | 15796.3 | 17317.4 | 16372.8 |
| 62.5° | 22449.3 | 22181.3 | 21845.7 | 22400.6 | 24138.3 | 24587.6 | 24116.6 | 20010.6 | 15463.3 | 16261.8 | 14212.8 |
| 65° | 25507.9 | 25231.8 | 25239.9 | 26409.2 | 28301.2 | 28607.0 | 26108.8 | 19932.1 | 14488.9 | 13617.4 | 10483.0 |
| 67.5° | 27849.2 | 27803.1 | 28133.4 | 30415.1 | 32889.0 | 32677.9 | 27889.8 | 18757.4 | 11600.9 | 8826.5 | 5570.4 |
| 70° | 27968.2 | 28057.6 | 29004.9 | 32856.5 | 35368.3 | 35032.7 | 27738.2 | 15246.8 | 7232.3 | 4060.0 | 2195.1 |
| 71° | 26528.3 | 27129.2 | 28439.2 | 32780.7 | 35514.5 | 35078.7 | 26460.6 | 12770.2 | 5305.1 | 2831.2 | 1583.4 |
| 72.5° | 22606.3 | 22923.0 | 25754.2 | 30850.9 | 34358.7 | 33427.6 | 23220.7 | 8951.0 | 3396.9 | 1732.3 | 909.4 |
| 75° | 12450.8 | 13230.3 | 17247.0 | 24203.2 | 27481.0 | 26663.6 | 15133.1 | 4252.2 | 1694.4 | 947.3 | 376.2 |
| 77.5° | 5927.7 | 5776.1 | 8415.1 | 14394.2 | 18632.9 | 18589.6 | 7624.8 | 1889.3 | 987.9 | 641.5 | 189.5 |
| 80° | 1694.4 | 1905.5 | 3221.0 | 6842.5 | 10345.0 | 10458.7 | 2928.6 | 912.2 | 684.8 | 500.7 | 97.4 |
| 82.5° | 511.6 | 522.4 | 1182.8 | 3026.1 | 5145.4 | 4850.4 | 1098.9 | 465.6 | 492.6 | 397.9 | 56.8 |
| 85° | 89.3 | 111.0 | 349.2 | 1066.4 | 1962.4 | 1488.7 | 276.1 | 221.9 | 324.8 | 262.5 | 32.5 |
| 87.5° | 5.4 | 8.1 | 116.4 | 121.8 | 173.2 | 100.1 | 48.7 | 32.5 | 70.4 | 70.4 | 18.9 |
| 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: P456363
 CATALOG NUMBER: GLAN-SA7C-760-U-T4FT-HSS

CANDELA DISTRIBUTION (continued):

| | 90° | 95° | 105° | 115° | 125° | 135° | 145° | 155° | 165° | 175° | 180° |
|-------|---------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 5670.5 | 5670.5 | 5670.5 | 5670.5 | 5670.5 | 5670.5 | 5670.5 | 5670.5 | 5670.5 | 5670.5 | 5670.5 |
| 2.5° | 5689.5 | 5705.7 | 5694.9 | 5670.5 | 5629.9 | 5581.2 | 5516.2 | 5462.1 | 5416.1 | 5391.7 | 5421.5 |
| 5° | 5724.7 | 5746.3 | 5692.2 | 5570.4 | 5386.3 | 5186.0 | 4958.7 | 4782.7 | 4644.7 | 4601.4 | 4585.1 |
| 7.5° | 5778.8 | 5792.3 | 5646.2 | 5375.5 | 4985.7 | 4512.1 | 4097.9 | 3748.8 | 3478.1 | 3396.9 | 3277.8 |
| 10° | 5849.2 | 5841.0 | 5565.0 | 5061.5 | 4376.7 | 3664.9 | 3023.4 | 2547.0 | 2187.0 | 2057.1 | 2046.3 |
| 12.5° | 5957.4 | 5914.1 | 5462.1 | 4633.9 | 3651.3 | 2720.2 | 1927.2 | 1507.6 | 1280.3 | 1204.5 | 1188.2 |
| 15° | 6092.8 | 5989.9 | 5299.7 | 4133.1 | 2796.0 | 1756.6 | 1188.2 | 1061.0 | 1031.2 | 1025.8 | 1020.4 |
| 17.5° | 6252.5 | 6090.1 | 5085.9 | 3518.7 | 1965.1 | 1139.5 | 993.4 | 990.6 | 993.4 | 987.9 | 985.2 |
| 20° | 6469.0 | 6195.6 | 4831.4 | 2790.6 | 1299.2 | 960.9 | 947.3 | 947.3 | 950.0 | 947.3 | 947.3 |
| 22.5° | 6699.1 | 6320.1 | 4517.5 | 2130.2 | 979.8 | 912.2 | 909.4 | 914.9 | 920.3 | 917.6 | 917.6 |
| 25° | 6983.3 | 6482.5 | 4103.3 | 1458.9 | 877.0 | 871.6 | 874.3 | 885.1 | 895.9 | 898.6 | 895.9 |
| 27.5° | 7394.7 | 6682.8 | 3659.4 | 1004.2 | 803.9 | 809.3 | 836.4 | 863.4 | 879.7 | 882.4 | 882.4 |
| 30° | 7857.5 | 6904.8 | 3080.2 | 814.7 | 744.3 | 744.3 | 776.8 | 828.2 | 863.4 | 868.8 | 871.6 |
| 32.5° | 8453.0 | 7161.9 | 2438.7 | 733.5 | 687.5 | 682.1 | 711.9 | 774.1 | 839.1 | 858.0 | 858.0 |
| 35° | 9189.2 | 7465.1 | 1813.5 | 682.1 | 646.9 | 633.4 | 649.6 | 701.0 | 784.9 | 839.1 | 844.5 |
| 37.5° | 10052.7 | 7752.0 | 1326.3 | 636.1 | 609.0 | 590.1 | 600.9 | 641.5 | 709.2 | 790.4 | 812.0 |
| 40° | 10851.1 | 8006.4 | 990.6 | 598.2 | 571.1 | 557.6 | 565.7 | 584.6 | 641.5 | 717.3 | 730.8 |
| 42.5° | 11722.7 | 8204.0 | 787.6 | 557.6 | 533.2 | 527.8 | 527.8 | 535.9 | 573.8 | 617.1 | 619.8 |
| 45° | 12591.5 | 8274.4 | 660.4 | 508.9 | 492.6 | 498.0 | 495.3 | 489.9 | 506.2 | 500.7 | 500.7 |
| 47.5° | 13211.4 | 8190.4 | 546.8 | 462.8 | 462.8 | 471.0 | 457.4 | 438.5 | 430.4 | 397.9 | 400.6 |
| 50° | 13636.3 | 7884.6 | 449.3 | 408.7 | 430.4 | 441.2 | 414.1 | 384.4 | 354.6 | 319.4 | 311.3 |
| 52.5° | 13812.2 | 7340.5 | 368.1 | 338.3 | 381.6 | 395.2 | 362.7 | 327.5 | 281.5 | 251.7 | 243.6 |
| 55° | 13698.6 | 6669.3 | 305.9 | 276.1 | 322.1 | 338.3 | 305.9 | 265.3 | 213.8 | 181.3 | 175.9 |
| 57.5° | 13197.8 | 5868.1 | 259.8 | 219.2 | 257.1 | 268.0 | 246.3 | 203.0 | 151.6 | 119.1 | 119.1 |
| 60° | 12331.7 | 5039.9 | 211.1 | 173.2 | 192.2 | 208.4 | 186.8 | 146.2 | 102.9 | 73.1 | 67.7 |
| 62.5° | 10575.0 | 4092.5 | 170.5 | 135.3 | 135.3 | 148.9 | 129.9 | 105.6 | 65.0 | 37.9 | 35.2 |
| 65° | 7635.6 | 2806.8 | 135.3 | 100.1 | 97.4 | 97.4 | 81.2 | 70.4 | 37.9 | 16.2 | 10.8 |
| 67.5° | 4149.4 | 1583.4 | 108.3 | 75.8 | 67.7 | 65.0 | 51.4 | 40.6 | 16.2 | 2.7 | 0.0 |
| 70° | 1632.1 | 609.0 | 83.9 | 51.4 | 43.3 | 40.6 | 27.1 | 18.9 | 10.8 | 0.0 | 0.0 |
| 71° | 1107.0 | 419.5 | 73.1 | 43.3 | 35.2 | 29.8 | 21.7 | 16.2 | 8.1 | 0.0 | 0.0 |
| 72.5° | 633.4 | 259.8 | 56.8 | 32.5 | 27.1 | 21.7 | 16.2 | 10.8 | 8.1 | 0.0 | 0.0 |
| 75° | 276.1 | 132.6 | 35.2 | 24.4 | 18.9 | 13.5 | 10.8 | 8.1 | 2.7 | 0.0 | 0.0 |
| 77.5° | 140.7 | 73.1 | 24.4 | 18.9 | 10.8 | 8.1 | 5.4 | 2.7 | 0.0 | 0.0 | 0.0 |
| 80° | 78.5 | 37.9 | 16.2 | 10.8 | 8.1 | 5.4 | 2.7 | 2.7 | 0.0 | 0.0 | 0.0 |
| 82.5° | 43.3 | 21.7 | 8.1 | 5.4 | 2.7 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 85° | 27.1 | 13.5 | 2.7 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 87.5° | 13.5 | 5.4 | 0.0 | 0.0 | 0.0 | 0.0 | 2.7 | 2.7 | 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 |

(END OF REPORT)