

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: P530780

Luminaire Tested: **GLAN-SA6A-735-U-SL2-GRSWH**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P530780
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-18)
Test Lab: INNOVATION CENTER
Issue Date: 5/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SA6A-735-U-SL2-GRSWH
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(6) 70 CRI, 3500K, 615mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II SPILL
LIGHT ELIMINATOR OPTICS WITH WHITE GLARE REDUCTION SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 21412 lumens
Efficiency: N/A
Efficacy: 117.6 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type II - Short
BUG Rating: B3 - U0 - G3

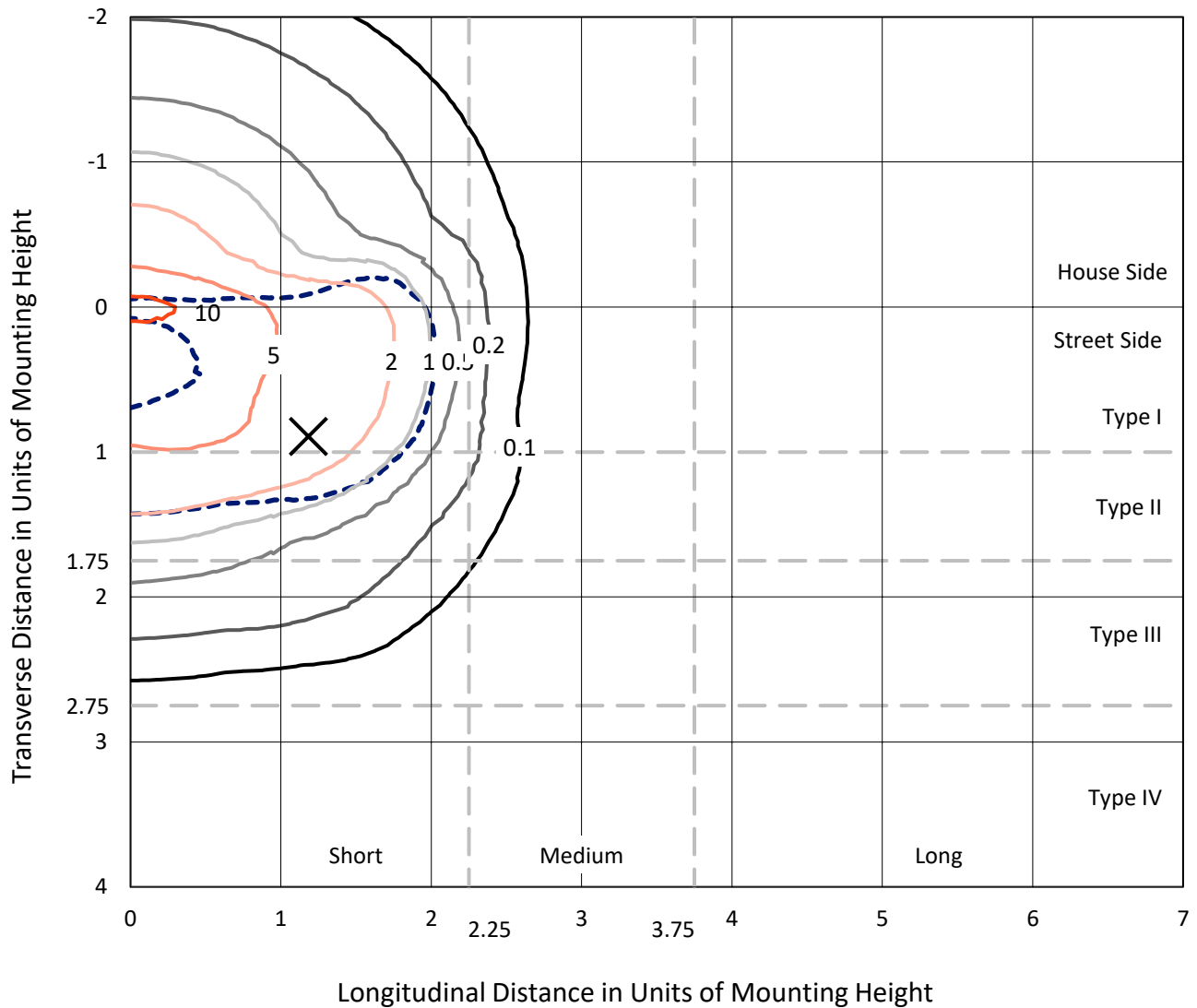
Input Watts (W): 182
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

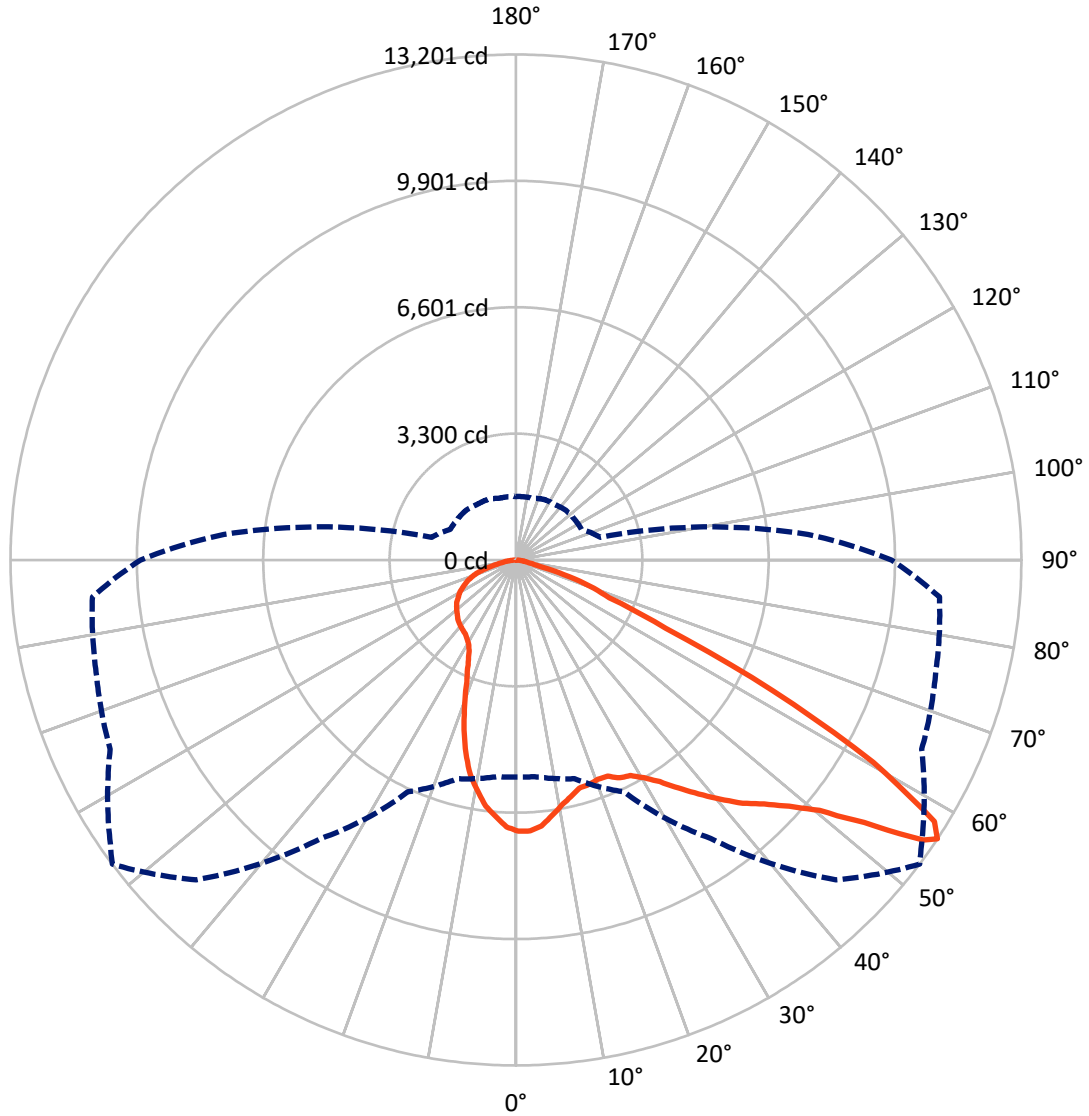
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 11.3 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 53-Deg Lateral - - - Horizontal Cone Through 56-Deg Vertical

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FLUX DISTRIBUTION:

| | | Downward | Upward | Total |
|--------------------|-----------|----------|--------|---------|
| House Side | Lumens | 6248.5 | 0.0 | 6248.5 |
| | % Fixture | 29.2 | 0.0 | 29.2 |
| Street Side | Lumens | 15163.5 | 0.0 | 15163.5 |
| | % Fixture | 70.8 | 0.0 | 70.8 |
| Total | Lumens | 21412.0 | 0.0 | 21412.0 |
| | % Fixture | 100.0 | 0.0 | 100.0 |

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|---------|-----------|
| 0°-10° | 627.1 | 2.9 |
| 10°-20° | 1566.3 | 7.3 |
| 20°-30° | 2309.6 | 10.8 |
| 30°-40° | 3300.0 | 15.4 |
| 40°-50° | 4542.1 | 21.2 |
| 50°-60° | 5367.5 | 25.1 |
| 60°-70° | 2860.5 | 13.4 |
| 70°-80° | 725.7 | 3.4 |
| 80°-90° | 113.2 | 0.5 |
| 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° | 21412.0 | 100.0 |
| 0°-180° | 21412.0 | 100.0 |

Coefficient of Utilization



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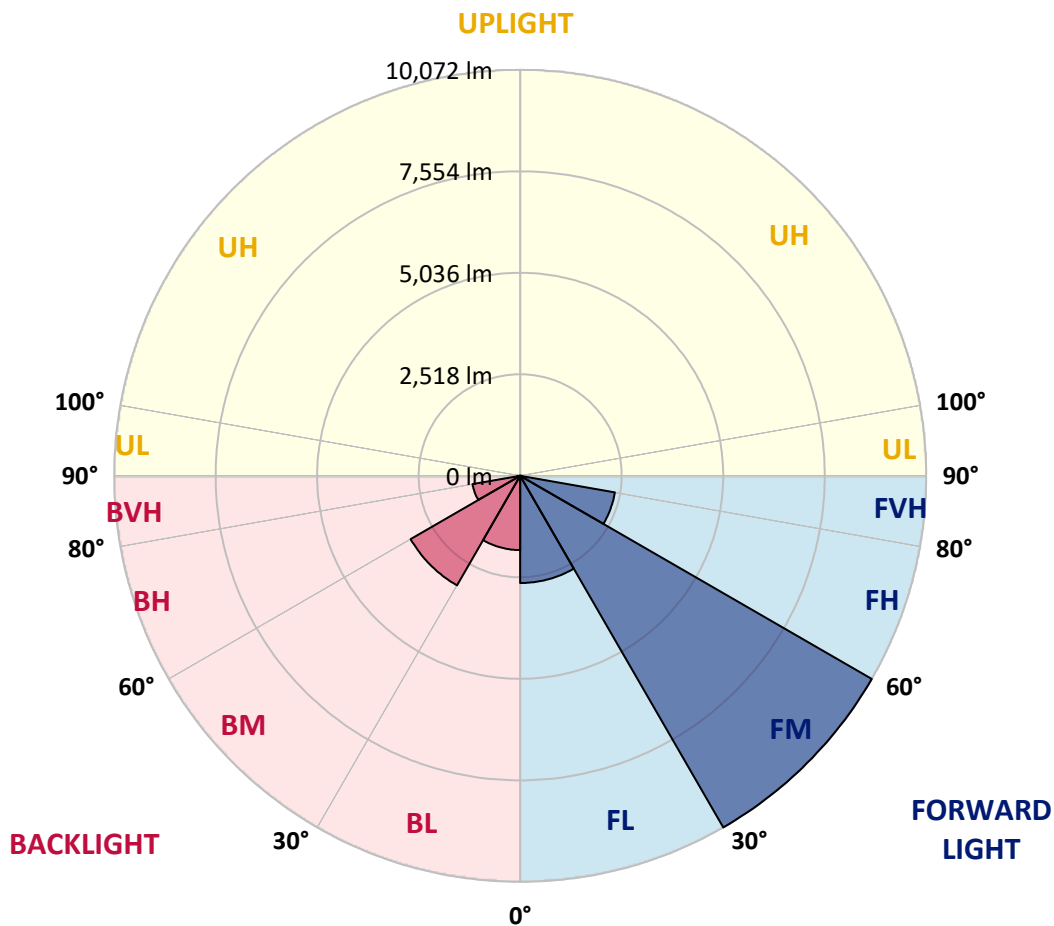
CATALOG NUMBER: GLAN-SA6A-735-U-SL2-GRSWH

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

| Zone | Lumens | % Fixture | Zone Rating/Lumen Limit | | |
|----------------|---------|-----------|-------------------------|------|---------|
| | | | B | U | G |
| FL (0°-30°) | 2660.1 | 12.4 | | | |
| FM (30°-60°) | 10071.8 | 47.0 | | | |
| FH (60°-80°) | 2386.1 | 11.1 | | | G2/5000 |
| FVH (80°-90°) | 45.5 | 0.2 | | | G1/100 |
| BL (0°-30°) | 1842.9 | 8.6 | B3/2500 | | |
| BM (30°-60°) | 3137.8 | 14.7 | B3/5000 | | |
| BH (60°-80°) | 1200.1 | 5.6 | B3/2500 | | G3/2500 |
| BVH (80°-90°) | 67.7 | 0.3 | | | G1/100 |
| UL (90°-100°) | 0.0 | 0.0 | | U0/0 | |
| UH (100°-180°) | 0.0 | 0.0 | | U0/0 | |

BUG Rating: B3-U0-G3

Type II Short





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CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 15° | 25° | 35° | 45° | 53° | 55° | 65° | 75° | 85° |
|-------|--------|--------|--------|---------|---------|---------|---------|---------|---------|---------|---------|
| 0° | 7083.9 | 7083.9 | 7083.9 | 7083.9 | 7083.9 | 7083.9 | 7083.9 | 7083.9 | 7083.9 | 7083.9 | 7083.9 |
| 2.5° | 6996.0 | 6935.6 | 6971.3 | 6957.6 | 7070.2 | 7103.2 | 7086.7 | 7100.4 | 7163.6 | 7133.4 | 7070.2 |
| 5° | 6537.3 | 6622.5 | 6639.0 | 6680.2 | 6746.1 | 6875.2 | 6976.8 | 7004.3 | 7034.5 | 7174.6 | 7160.8 |
| 7.5° | 6119.8 | 6177.5 | 6147.3 | 6268.1 | 6411.0 | 6619.7 | 6743.3 | 6765.3 | 7042.7 | 7119.6 | 7177.3 |
| 10° | 5856.1 | 5798.4 | 5935.8 | 5968.7 | 6130.8 | 6369.8 | 6518.1 | 6608.7 | 6861.4 | 7166.3 | 7202.0 |
| 12.5° | 5611.7 | 5592.4 | 5674.8 | 5768.2 | 5949.5 | 6196.7 | 6347.8 | 6383.5 | 6773.5 | 7094.9 | 7262.5 |
| 15° | 5430.4 | 5408.4 | 5490.8 | 5559.5 | 5771.0 | 5990.7 | 6183.0 | 6284.6 | 6677.4 | 7053.7 | 7210.3 |
| 17.5° | 5287.5 | 5284.8 | 5331.5 | 5455.1 | 5672.1 | 5856.1 | 6166.5 | 6172.0 | 6628.0 | 7116.9 | 7254.2 |
| 20° | 5279.3 | 5276.6 | 5284.8 | 5422.1 | 5619.9 | 5845.1 | 6114.3 | 6163.8 | 6628.0 | 7072.9 | 7257.0 |
| 22.5° | 5348.0 | 5304.0 | 5353.5 | 5441.4 | 5584.2 | 5864.4 | 6133.5 | 6243.4 | 6787.3 | 7289.9 | 7380.6 |
| 25° | 5457.8 | 5468.8 | 5496.3 | 5526.5 | 5608.9 | 5908.3 | 6303.8 | 6394.5 | 6974.1 | 7476.7 | 7550.9 |
| 27.5° | 5658.4 | 5652.9 | 5663.9 | 5680.3 | 5751.7 | 5949.5 | 6372.5 | 6606.0 | 7364.1 | 7809.1 | 7734.9 |
| 30° | 5952.3 | 5933.0 | 5977.0 | 6034.7 | 5968.7 | 6081.4 | 6600.5 | 6776.3 | 7726.7 | 8144.2 | 7940.9 |
| 32.5° | 6218.7 | 6290.1 | 6372.5 | 6397.2 | 6317.6 | 6339.6 | 6902.6 | 7081.2 | 8028.8 | 8556.2 | 8193.6 |
| 35° | 6551.1 | 6608.7 | 6718.6 | 6795.5 | 6781.8 | 6715.9 | 7314.7 | 7550.9 | 8465.6 | 8858.4 | 8460.1 |
| 37.5° | 6875.2 | 6943.8 | 7125.1 | 7353.1 | 7226.8 | 7196.6 | 7754.1 | 7949.2 | 8600.2 | 9020.4 | 8655.1 |
| 40° | 7397.1 | 7394.3 | 7707.5 | 7825.6 | 7938.2 | 7886.0 | 8210.1 | 8276.0 | 8671.6 | 8984.7 | 8660.6 |
| 42.5° | 8009.6 | 7971.1 | 8289.8 | 8473.8 | 8619.4 | 8624.9 | 8685.3 | 8663.3 | 8704.5 | 8803.4 | 8602.9 |
| 45° | 8591.9 | 8674.3 | 8995.7 | 9325.3 | 9470.9 | 9487.4 | 9086.3 | 9045.1 | 8762.2 | 8751.2 | 8493.0 |
| 47.5° | 9303.3 | 9322.6 | 9586.2 | 10020.2 | 10358.1 | 10242.7 | 9605.5 | 9514.8 | 9014.9 | 9100.1 | 8677.1 |
| 50° | 9344.5 | 9487.4 | 9723.6 | 10234.5 | 11272.8 | 11242.6 | 10278.4 | 10108.1 | 9421.4 | 9594.5 | 9190.7 |
| 52.5° | 8482.0 | 8449.1 | 8729.3 | 9564.3 | 11204.1 | 12236.9 | 11393.6 | 10987.1 | 10294.9 | 10163.1 | 10023.0 |
| 55° | 6463.2 | 6540.1 | 6787.3 | 7630.5 | 9729.1 | 12250.6 | 12912.6 | 12580.2 | 11228.8 | 11003.6 | 10841.5 |
| 56° | 5669.3 | 5680.3 | 5913.8 | 6682.9 | 8877.6 | 11813.9 | 13201.0 | 12931.8 | 11693.0 | 11349.7 | 11102.5 |
| 57.5° | 4699.7 | 4636.6 | 4757.4 | 5177.7 | 7493.2 | 10891.0 | 12885.1 | 13148.8 | 12236.9 | 11723.2 | 11379.9 |
| 60° | 3699.9 | 3686.2 | 3636.7 | 3713.6 | 4735.4 | 8204.6 | 10726.2 | 11319.5 | 12181.9 | 11371.6 | 10899.2 |
| 62.5° | 3021.5 | 2952.8 | 3051.7 | 3161.5 | 3290.6 | 5089.8 | 7537.2 | 7886.0 | 9671.4 | 9078.1 | 8188.1 |
| 65° | 2343.0 | 2310.0 | 2433.6 | 2790.7 | 2867.6 | 3233.0 | 4293.2 | 4562.4 | 5710.5 | 5608.9 | 4938.7 |
| 67.5° | 1612.4 | 1617.9 | 1725.0 | 2268.8 | 2658.9 | 2625.9 | 2628.7 | 2768.7 | 2980.3 | 2213.9 | 1928.2 |
| 70° | 1021.8 | 1019.1 | 1076.7 | 1461.3 | 2139.7 | 2161.7 | 2051.8 | 2010.6 | 1906.3 | 1153.6 | 1222.3 |
| 72.5° | 656.5 | 637.3 | 667.5 | 807.6 | 1107.0 | 1280.0 | 1318.5 | 1343.2 | 1104.2 | 906.4 | 983.3 |
| 75° | 370.8 | 351.6 | 340.6 | 376.3 | 436.7 | 505.4 | 554.8 | 571.3 | 640.0 | 686.7 | 727.9 |
| 77.5° | 112.6 | 101.6 | 123.6 | 164.8 | 217.0 | 291.2 | 354.3 | 365.3 | 431.2 | 486.2 | 527.4 |
| 80° | 49.4 | 54.9 | 76.9 | 109.9 | 153.8 | 206.0 | 250.0 | 266.4 | 310.4 | 351.6 | 362.6 |
| 82.5° | 30.2 | 33.0 | 52.2 | 74.2 | 107.1 | 145.6 | 178.5 | 184.0 | 228.0 | 260.9 | 269.2 |
| 85° | 11.0 | 13.7 | 27.5 | 43.9 | 68.7 | 93.4 | 93.4 | 101.6 | 93.4 | 93.4 | 101.6 |
| 87.5° | 0.0 | 0.0 | 2.7 | 5.5 | 5.5 | 8.2 | 11.0 | 11.0 | 13.7 | 16.5 | 19.2 |
| 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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CATALOG NUMBER: GLAN-SA6A-735-U-SL2-GRSWH

CANDELA DISTRIBUTION (continued):

| | 90° | 95° | 105° | 115° | 125° | 135° | 145° | 155° | 165° | 175° | 180° |
|-------|---------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 7083.9 | 7083.9 | 7083.9 | 7083.9 | 7083.9 | 7083.9 | 7083.9 | 7083.9 | 7083.9 | 7083.9 | 7083.9 |
| 2.5° | 7103.2 | 7089.4 | 7067.5 | 6987.8 | 6979.6 | 6954.8 | 6817.5 | 6795.5 | 6817.5 | 6751.6 | 6757.1 |
| 5° | 7089.4 | 7130.6 | 6965.8 | 6886.2 | 6737.8 | 6630.7 | 6507.1 | 6443.9 | 6331.3 | 6259.9 | 6339.6 |
| 7.5° | 7149.9 | 7133.4 | 6927.4 | 6754.3 | 6531.8 | 6259.9 | 6042.9 | 5919.3 | 5721.5 | 5666.6 | 5707.8 |
| 10° | 7127.9 | 7040.0 | 6798.3 | 6570.3 | 6150.0 | 5911.1 | 5559.5 | 5218.9 | 5032.1 | 4936.0 | 4922.2 |
| 12.5° | 7097.7 | 7072.9 | 6669.2 | 6276.4 | 5834.2 | 5331.5 | 4837.1 | 4515.7 | 4210.8 | 4079.0 | 4098.2 |
| 15° | 7133.4 | 6924.6 | 6427.5 | 5930.3 | 5342.5 | 4683.3 | 4150.4 | 3735.6 | 3524.1 | 3439.0 | 3439.0 |
| 17.5° | 7116.9 | 6853.2 | 6312.1 | 5543.0 | 4798.6 | 4018.5 | 3433.5 | 3183.5 | 3095.6 | 3095.6 | 3120.3 |
| 20° | 7125.1 | 6899.9 | 6078.6 | 5155.7 | 4155.9 | 3384.0 | 2958.3 | 2867.6 | 2906.1 | 2919.8 | 2933.6 |
| 22.5° | 7171.8 | 6746.1 | 5850.6 | 4729.9 | 3559.8 | 2895.1 | 2686.3 | 2689.1 | 2757.8 | 2831.9 | 2818.2 |
| 25° | 7229.5 | 6685.7 | 5573.2 | 4306.9 | 3103.9 | 2656.1 | 2590.2 | 2582.0 | 2634.2 | 2672.6 | 2678.1 |
| 27.5° | 7180.1 | 6581.3 | 5290.3 | 3779.6 | 2730.3 | 2496.8 | 2483.1 | 2488.6 | 2505.1 | 2582.0 | 2557.2 |
| 30° | 7342.1 | 6611.5 | 4936.0 | 3337.3 | 2524.3 | 2444.6 | 2428.1 | 2419.9 | 2444.6 | 2466.6 | 2447.4 |
| 32.5° | 7542.6 | 6504.4 | 4672.3 | 2911.6 | 2422.7 | 2406.2 | 2373.2 | 2362.2 | 2376.0 | 2354.0 | 2365.0 |
| 35° | 7630.5 | 6485.1 | 4328.9 | 2606.7 | 2343.0 | 2329.3 | 2310.0 | 2307.3 | 2310.0 | 2290.8 | 2274.3 |
| 37.5° | 7680.0 | 6575.8 | 3936.1 | 2466.6 | 2293.6 | 2307.3 | 2263.3 | 2257.8 | 2208.4 | 2219.4 | 2227.6 |
| 40° | 7765.1 | 6435.7 | 3617.5 | 2332.0 | 2263.3 | 2235.9 | 2197.4 | 2189.2 | 2156.2 | 2137.0 | 2156.2 |
| 42.5° | 7641.5 | 6394.5 | 3304.4 | 2274.3 | 2219.4 | 2189.2 | 2161.7 | 2115.0 | 2104.0 | 2087.5 | 2076.6 |
| 45° | 7542.6 | 6158.3 | 3024.2 | 2202.9 | 2167.2 | 2150.7 | 2098.5 | 2049.1 | 2007.9 | 2024.4 | 1999.7 |
| 47.5° | 7616.8 | 6075.9 | 2746.8 | 2142.5 | 2095.8 | 2076.6 | 2024.4 | 1985.9 | 1944.7 | 1925.5 | 1920.0 |
| 50° | 7913.5 | 6229.7 | 2513.3 | 2098.5 | 2035.4 | 2024.4 | 1955.7 | 1911.8 | 1873.3 | 1859.6 | 1865.1 |
| 52.5° | 8622.1 | 6649.9 | 2354.0 | 2007.9 | 1977.7 | 1928.2 | 1889.8 | 1834.8 | 1810.1 | 1766.2 | 1793.6 |
| 55° | 9520.3 | 7333.9 | 2312.8 | 1922.7 | 1906.3 | 1862.3 | 1810.1 | 1768.9 | 1722.2 | 1686.5 | 1678.3 |
| 56° | 9808.7 | 7660.8 | 2279.8 | 1889.8 | 1862.3 | 1837.6 | 1768.9 | 1744.2 | 1670.0 | 1661.8 | 1656.3 |
| 57.5° | 10042.2 | 7949.2 | 2285.3 | 1826.6 | 1799.1 | 1777.2 | 1736.0 | 1675.5 | 1626.1 | 1595.9 | 1609.6 |
| 60° | 9514.8 | 7441.0 | 2180.9 | 1730.5 | 1725.0 | 1683.8 | 1626.1 | 1598.6 | 1538.2 | 1502.5 | 1494.2 |
| 62.5° | 7072.9 | 5051.3 | 1768.9 | 1606.9 | 1604.1 | 1560.2 | 1494.2 | 1464.0 | 1453.0 | 1403.6 | 1403.6 |
| 65° | 4073.5 | 3167.0 | 1530.0 | 1505.2 | 1483.3 | 1439.3 | 1373.4 | 1348.7 | 1321.2 | 1304.7 | 1291.0 |
| 67.5° | 1738.7 | 1642.6 | 1389.9 | 1387.1 | 1362.4 | 1307.5 | 1241.5 | 1203.1 | 1167.4 | 1134.4 | 1150.9 |
| 70° | 1260.8 | 1280.0 | 1255.3 | 1241.5 | 1211.3 | 1142.7 | 1085.0 | 1038.3 | 983.3 | 961.4 | 977.9 |
| 72.5° | 999.8 | 1041.0 | 1076.7 | 1079.5 | 1043.8 | 964.1 | 900.9 | 837.8 | 777.3 | 747.1 | 760.9 |
| 75° | 758.1 | 785.6 | 821.3 | 829.5 | 777.3 | 722.4 | 662.0 | 596.1 | 549.4 | 513.6 | 519.1 |
| 77.5° | 546.6 | 541.1 | 574.1 | 568.6 | 543.9 | 505.4 | 450.5 | 390.0 | 337.9 | 304.9 | 307.6 |
| 80° | 373.6 | 381.8 | 401.0 | 398.3 | 368.1 | 343.3 | 302.1 | 252.7 | 214.2 | 186.8 | 181.3 |
| 82.5° | 260.9 | 274.7 | 291.2 | 277.4 | 252.7 | 228.0 | 197.8 | 162.1 | 131.8 | 109.9 | 104.4 |
| 85° | 93.4 | 107.1 | 123.6 | 131.8 | 140.1 | 134.6 | 112.6 | 90.6 | 65.9 | 54.9 | 52.2 |
| 87.5° | 19.2 | 22.0 | 24.7 | 24.7 | 24.7 | 22.0 | 19.2 | 19.2 | 16.5 | 8.2 | 8.2 |
| 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)