

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: P532660

Luminaire Tested: **GLAN-SA8A-735-U-T2-GRSWH**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P532660
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-14)
Test Lab: INNOVATION CENTER
Issue Date: 5/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SA8A-735-U-T2-GRSWH
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(8) 70 CRI, 3500K, 615mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II OPTICS WITH WHITE GLARE REDUCTION SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 28854 lumens
Efficiency: N/A
Efficacy: 118.3 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type II - Short
BUG Rating: B3 - U0 - G3

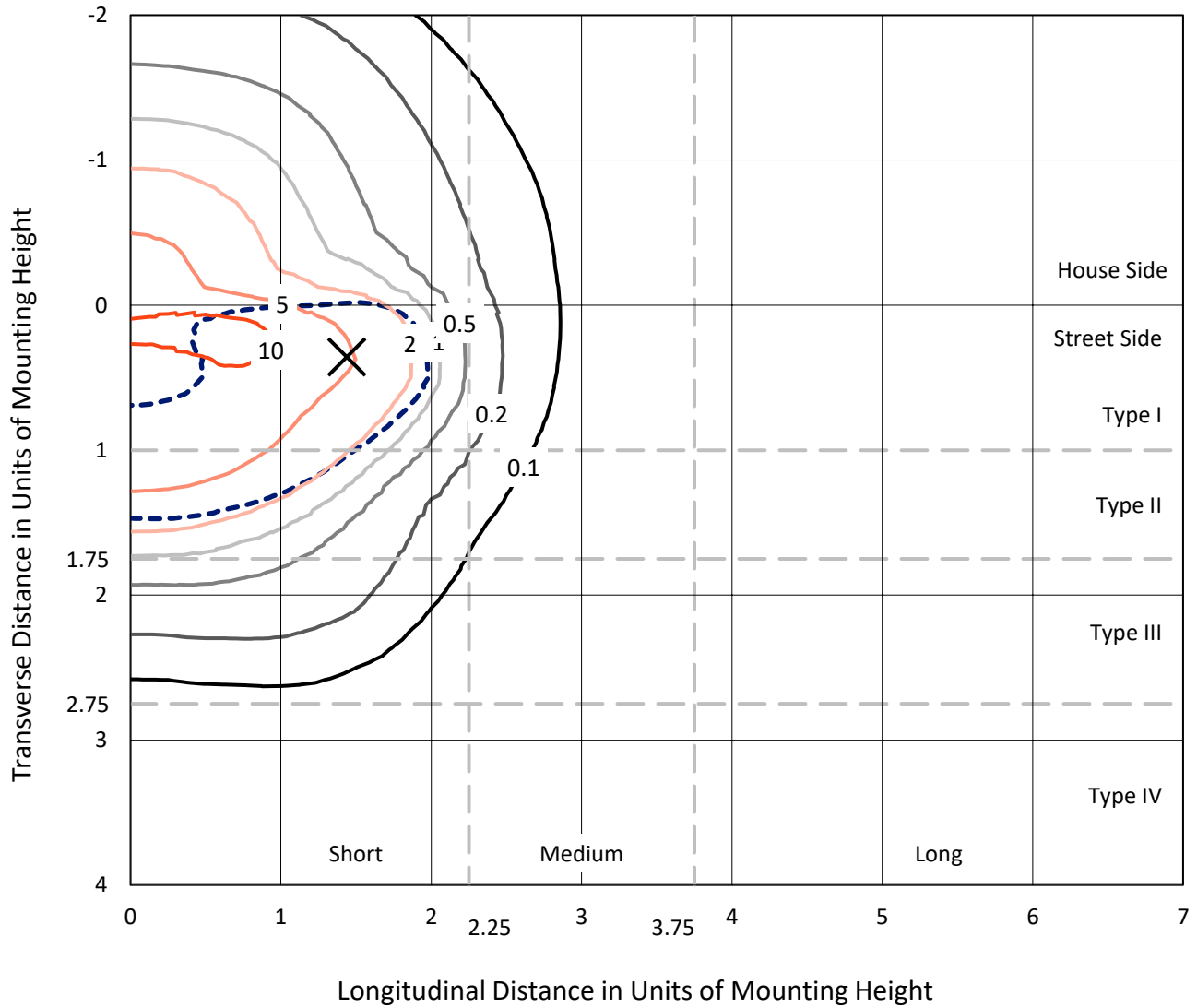
Input Watts (W): 244
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

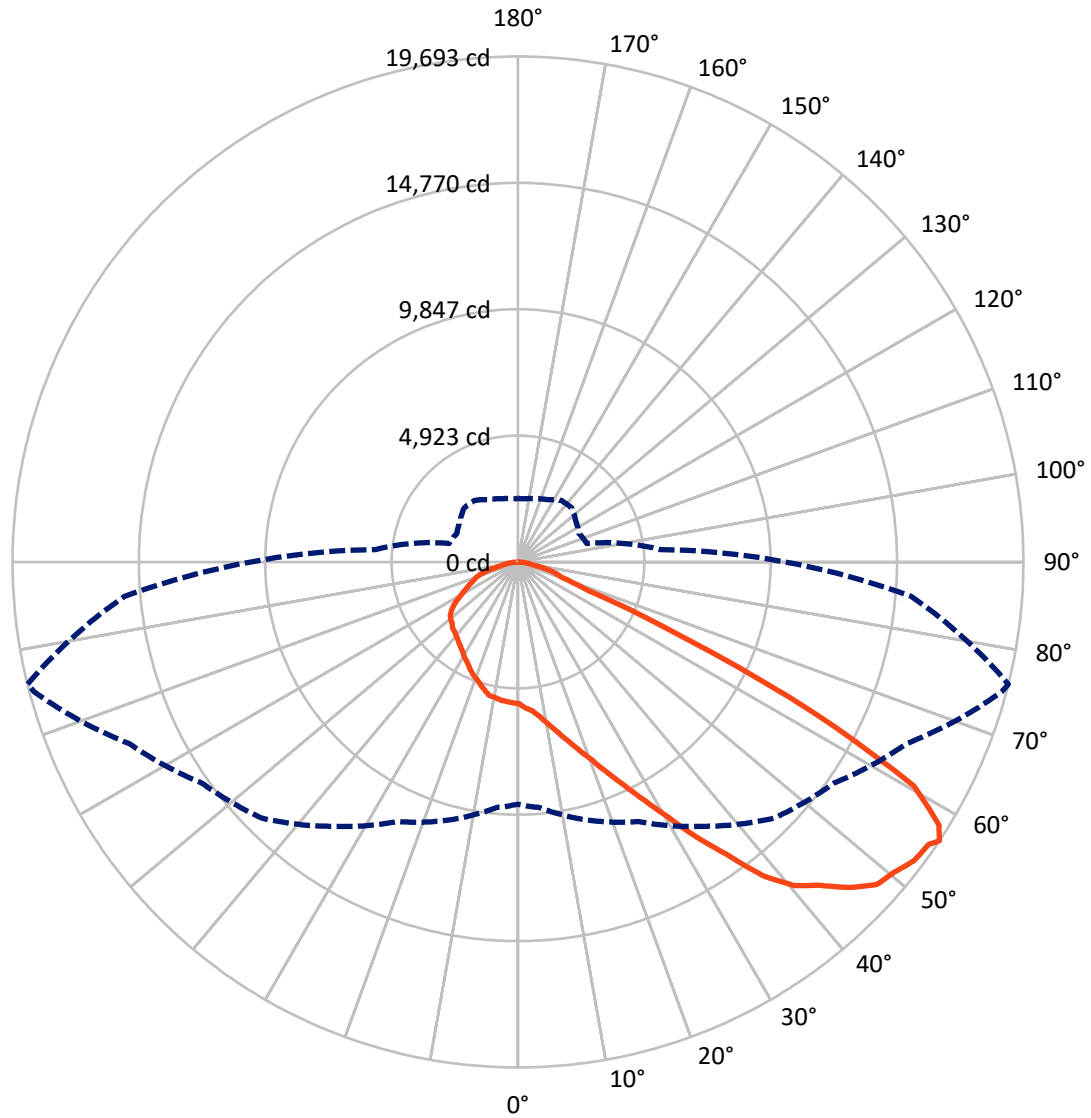
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 12.3 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 76-Deg Lateral - - - Horizontal Cone Through 56-Deg Vertical

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FLUX DISTRIBUTION:

| | | Downward | Upward | Total |
|--------------------|-----------|----------|--------|---------|
| House Side | Lumens | 7758.0 | 0.0 | 7758.0 |
| | % Fixture | 26.9 | 0.0 | 26.9 |
| Street Side | Lumens | 21096.0 | 0.0 | 21096.0 |
| | % Fixture | 73.1 | 0.0 | 73.1 |
| Total | Lumens | 28854.0 | 0.0 | 28854.0 |
| | % Fixture | 100.0 | 0.0 | 100.0 |

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|---------|-----------|
| 0°-10° | 547.5 | 1.9 |
| 10°-20° | 1719.9 | 6.0 |
| 20°-30° | 3007.8 | 10.4 |
| 30°-40° | 4709.4 | 16.3 |
| 40°-50° | 6850.8 | 23.7 |
| 50°-60° | 7529.5 | 26.1 |
| 60°-70° | 3360.8 | 11.6 |
| 70°-80° | 970.7 | 3.4 |
| 80°-90° | 157.5 | 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° | 28854.0 | 100.0 |
| 0°-180° | 28854.0 | 100.0 |

Coefficient of Utilization



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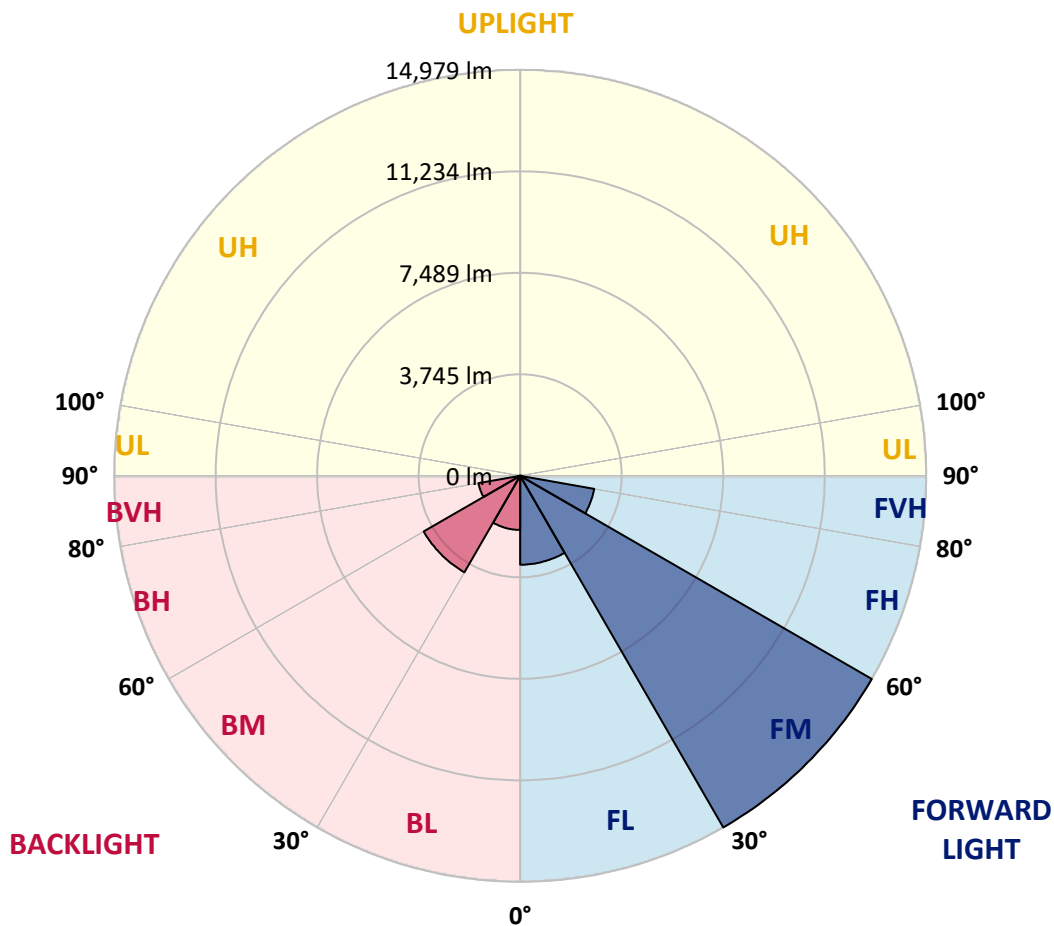
CATALOG NUMBER: GLAN-SA8A-735-U-T2-GRSWH

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

| Zone | Lumens | % Fixture | Zone Rating/Lumen Limit | | |
|----------------|---------|-----------|-------------------------|------|---------|
| | | | B | U | G |
| FL (0°-30°) | 3278.9 | 11.4 | | | |
| FM (30°-60°) | 14978.6 | 51.9 | | | |
| FH (60°-80°) | 2770.7 | 9.6 | | | G2/5000 |
| FVH (80°-90°) | 67.8 | 0.2 | | | G1/100 |
| BL (0°-30°) | 1996.3 | 6.9 | B3/2500 | | |
| BM (30°-60°) | 4111.1 | 14.2 | B3/5000 | | |
| BH (60°-80°) | 1560.9 | 5.4 | B3/2500 | | G3/2500 |
| BVH (80°-90°) | 89.7 | 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° | 55° | 65° | 75° | 76° | 85° |
|-------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 0° | 5520.8 | 5520.8 | 5520.8 | 5520.8 | 5520.8 | 5520.8 | 5520.8 | 5520.8 | 5520.8 | 5520.8 | 5520.8 |
| 2.5° | 6081.9 | 5984.7 | 5977.2 | 5951.0 | 5966.0 | 5898.6 | 5827.6 | 5734.0 | 5636.8 | 5696.6 | 5554.5 |
| 5° | 6508.3 | 6377.4 | 6429.8 | 6340.0 | 6351.2 | 6261.4 | 6115.6 | 6007.1 | 5887.4 | 5816.3 | 5715.3 |
| 7.5° | 6657.9 | 6669.1 | 6706.6 | 6691.6 | 6616.8 | 6616.8 | 6519.5 | 6328.8 | 6119.3 | 6078.2 | 5909.8 |
| 10° | 6859.9 | 6863.6 | 6822.5 | 6833.7 | 6938.5 | 6889.8 | 6803.8 | 6721.5 | 6452.2 | 6403.6 | 6104.3 |
| 12.5° | 6931.0 | 6863.6 | 6931.0 | 6990.8 | 7114.3 | 7181.6 | 7162.9 | 7103.0 | 6815.0 | 6781.4 | 6343.7 |
| 15° | 6942.2 | 6901.1 | 6957.2 | 7091.8 | 7200.3 | 7484.6 | 7626.7 | 7585.5 | 7204.0 | 7207.8 | 6613.0 |
| 17.5° | 6889.8 | 6945.9 | 6968.4 | 7084.3 | 7334.9 | 7600.5 | 8012.0 | 8068.1 | 7753.9 | 7705.2 | 6953.4 |
| 20° | 6960.9 | 6919.8 | 6949.7 | 7054.4 | 7387.3 | 7802.5 | 8341.1 | 8711.4 | 8270.0 | 8236.4 | 7305.0 |
| 22.5° | 7233.9 | 7177.8 | 7170.4 | 7237.7 | 7477.1 | 7907.2 | 8689.0 | 9354.8 | 8898.4 | 8917.1 | 7742.6 |
| 25° | 7447.2 | 7477.1 | 7450.9 | 7447.2 | 7596.8 | 8064.3 | 9149.0 | 10121.5 | 9751.2 | 9642.8 | 8258.8 |
| 27.5° | 7813.7 | 7884.8 | 7832.4 | 7903.5 | 7869.8 | 8300.0 | 9478.2 | 10970.6 | 10671.4 | 10525.5 | 8726.4 |
| 30° | 8322.4 | 8359.8 | 8311.2 | 8311.2 | 8210.2 | 8629.1 | 9777.4 | 11857.1 | 11733.7 | 11535.4 | 9276.2 |
| 32.5° | 8991.9 | 9048.0 | 8950.8 | 8894.7 | 8879.7 | 9119.1 | 10316.0 | 12732.3 | 12941.8 | 12773.5 | 10005.6 |
| 35° | 9878.4 | 9844.8 | 9728.8 | 9676.4 | 9474.5 | 9870.9 | 11116.5 | 13738.5 | 14288.4 | 13989.1 | 10888.3 |
| 37.5° | 10660.2 | 10607.8 | 10600.3 | 10308.6 | 10357.2 | 10682.6 | 11797.2 | 14501.6 | 15593.8 | 15507.7 | 11819.7 |
| 40° | 11389.5 | 11438.2 | 11516.7 | 11352.1 | 11277.3 | 11636.4 | 12590.2 | 15085.1 | 16607.4 | 16573.7 | 12537.8 |
| 42.5° | 12171.3 | 12126.4 | 12264.8 | 12126.4 | 12014.2 | 12522.9 | 13450.5 | 15489.0 | 17497.6 | 17220.8 | 13289.7 |
| 45° | 13304.6 | 13162.5 | 13211.1 | 13222.3 | 13140.1 | 13327.1 | 13805.8 | 15780.8 | 18122.3 | 18092.4 | 13839.5 |
| 47.5° | 14251.0 | 14254.7 | 14172.4 | 14108.8 | 13858.2 | 14045.2 | 14202.3 | 15964.1 | 18840.4 | 18791.8 | 14052.7 |
| 50° | 14602.6 | 14553.9 | 14793.3 | 14931.7 | 14946.7 | 14565.1 | 14512.8 | 16065.1 | 19218.2 | 19005.0 | 14265.9 |
| 52.5° | 13338.3 | 13383.2 | 13761.0 | 14583.9 | 15058.9 | 15100.0 | 14875.6 | 16274.5 | 19371.6 | 19326.7 | 14438.0 |
| 55° | 10735.0 | 10951.9 | 11572.8 | 12522.9 | 13648.7 | 14886.8 | 15268.3 | 16491.5 | 19453.9 | 19416.5 | 15201.0 |
| 56° | 9437.0 | 9605.4 | 10413.3 | 11157.6 | 12571.5 | 14112.6 | 15021.5 | 16723.4 | 19517.4 | 19693.2 | 15380.6 |
| 57.5° | 7596.8 | 7791.3 | 8371.0 | 9216.4 | 10884.6 | 12638.8 | 14340.7 | 16439.1 | 19270.6 | 19337.9 | 15511.5 |
| 60° | 4750.3 | 4769.0 | 5464.7 | 6022.1 | 7196.5 | 8909.7 | 10944.4 | 14303.3 | 17834.3 | 17737.0 | 13933.0 |
| 62.5° | 3115.8 | 3119.5 | 3751.6 | 4208.0 | 4742.8 | 5135.6 | 6441.0 | 9485.7 | 13158.8 | 12986.7 | 9919.6 |
| 65° | 2188.1 | 2236.8 | 2726.8 | 3336.4 | 3553.4 | 3347.7 | 3306.5 | 5000.9 | 7349.9 | 7103.0 | 5330.1 |
| 67.5° | 1600.9 | 1604.6 | 2038.5 | 2693.1 | 3007.3 | 2547.2 | 2068.4 | 2442.5 | 2910.0 | 2902.6 | 2468.7 |
| 70° | 1058.5 | 1103.4 | 1436.3 | 2012.3 | 2371.4 | 2046.0 | 1690.7 | 1746.8 | 1851.5 | 1851.5 | 1836.5 |
| 72.5° | 617.2 | 658.3 | 879.0 | 1275.5 | 1331.6 | 1279.2 | 1339.1 | 1496.2 | 1563.5 | 1559.8 | 1541.0 |
| 75° | 351.6 | 370.3 | 418.9 | 531.1 | 662.1 | 781.7 | 983.7 | 1133.3 | 1200.7 | 1241.8 | 1193.2 |
| 77.5° | 205.7 | 216.9 | 246.9 | 303.0 | 344.1 | 422.7 | 534.9 | 639.6 | 729.4 | 718.2 | 725.6 |
| 80° | 108.5 | 108.5 | 138.4 | 179.5 | 239.4 | 299.2 | 355.3 | 415.2 | 463.8 | 475.0 | 486.3 |
| 82.5° | 63.6 | 67.3 | 89.8 | 130.9 | 172.1 | 213.2 | 273.0 | 314.2 | 359.1 | 362.8 | 370.3 |
| 85° | 33.7 | 37.4 | 56.1 | 86.0 | 116.0 | 130.9 | 134.7 | 127.2 | 138.4 | 130.9 | 149.6 |
| 87.5° | 11.2 | 11.2 | 18.7 | 15.0 | 15.0 | 18.7 | 22.4 | 22.4 | 29.9 | 29.9 | 29.9 |
| 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-SA8A-735-U-T2-GRSWH

CANDELA DISTRIBUTION (continued):

| | 90° | 95° | 105° | 115° | 125° | 135° | 145° | 155° | 165° | 175° | 180° |
|-------|---------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 5520.8 | 5520.8 | 5520.8 | 5520.8 | 5520.8 | 5520.8 | 5520.8 | 5520.8 | 5520.8 | 5520.8 | 5520.8 |
| 2.5° | 5550.8 | 5550.8 | 5487.2 | 5367.5 | 5348.8 | 5300.2 | 5255.3 | 5251.5 | 5217.9 | 5187.9 | 5173.0 |
| 5° | 5655.5 | 5539.5 | 5446.0 | 5337.6 | 5210.4 | 5150.5 | 5083.2 | 5008.4 | 4978.5 | 5008.4 | 5004.7 |
| 7.5° | 5775.2 | 5677.9 | 5397.4 | 5195.4 | 5049.6 | 4989.7 | 4914.9 | 4836.3 | 4843.8 | 4843.8 | 4791.5 |
| 10° | 5891.1 | 5760.2 | 5311.4 | 5053.3 | 4840.1 | 4795.2 | 4754.1 | 4784.0 | 4821.4 | 4828.9 | 4795.2 |
| 12.5° | 6085.6 | 5790.2 | 5270.2 | 4911.2 | 4776.5 | 4679.3 | 4705.4 | 4787.7 | 4866.3 | 4843.8 | 4870.0 |
| 15° | 6231.5 | 5816.3 | 5083.2 | 4765.3 | 4597.0 | 4641.8 | 4735.4 | 4791.5 | 4922.4 | 4907.4 | 4933.6 |
| 17.5° | 6373.7 | 5831.3 | 4899.9 | 4570.8 | 4499.7 | 4623.1 | 4694.2 | 4855.0 | 4896.2 | 4986.0 | 5019.6 |
| 20° | 6665.4 | 5861.2 | 4712.9 | 4451.1 | 4428.6 | 4570.8 | 4694.2 | 4769.0 | 4858.8 | 4937.3 | 4937.3 |
| 22.5° | 6815.0 | 5846.3 | 4589.5 | 4294.0 | 4365.1 | 4454.8 | 4567.0 | 4694.2 | 4694.2 | 4769.0 | 4772.8 |
| 25° | 7002.0 | 5786.4 | 4395.0 | 4219.2 | 4271.5 | 4357.6 | 4484.7 | 4439.9 | 4488.5 | 4488.5 | 4548.3 |
| 27.5° | 7215.2 | 5659.2 | 4226.7 | 4084.5 | 4189.3 | 4282.8 | 4301.5 | 4271.5 | 4215.4 | 4208.0 | 4185.5 |
| 30° | 7387.3 | 5502.1 | 4103.2 | 4039.6 | 4125.7 | 4178.0 | 4118.2 | 4054.6 | 3957.4 | 3949.9 | 3897.5 |
| 32.5° | 7623.0 | 5307.6 | 3949.9 | 3927.4 | 4024.7 | 4028.4 | 4009.7 | 3912.5 | 3770.3 | 3710.5 | 3650.6 |
| 35° | 8019.4 | 5195.4 | 3833.9 | 3867.6 | 3897.5 | 3886.3 | 3852.6 | 3747.9 | 3605.8 | 3579.6 | 3557.1 |
| 37.5° | 8311.2 | 5113.1 | 3714.2 | 3755.4 | 3781.6 | 3796.5 | 3695.5 | 3579.6 | 3583.3 | 3530.9 | 3516.0 |
| 40° | 8640.3 | 5060.8 | 3617.0 | 3635.7 | 3639.4 | 3688.0 | 3564.6 | 3508.5 | 3534.7 | 3501.0 | 3523.5 |
| 42.5° | 9063.0 | 5075.7 | 3516.0 | 3501.0 | 3572.1 | 3553.4 | 3493.5 | 3418.7 | 3433.7 | 3332.7 | 3347.7 |
| 45° | 9287.4 | 5176.7 | 3456.1 | 3388.8 | 3467.4 | 3463.6 | 3385.1 | 3314.0 | 3224.2 | 3029.7 | 3037.2 |
| 47.5° | 9437.0 | 5202.9 | 3314.0 | 3269.1 | 3351.4 | 3400.0 | 3310.3 | 3145.7 | 3018.5 | 2880.1 | 2846.5 |
| 50° | 9590.4 | 5251.5 | 3246.7 | 3153.2 | 3186.8 | 3302.8 | 3190.6 | 3033.5 | 2910.0 | 2786.6 | 2805.3 |
| 52.5° | 9725.1 | 5345.0 | 3115.8 | 2977.4 | 3037.2 | 3164.4 | 3104.5 | 2913.8 | 2779.1 | 2678.1 | 2648.2 |
| 55° | 10323.5 | 5554.5 | 2895.1 | 2715.5 | 2857.7 | 3018.5 | 2984.8 | 2752.9 | 2607.1 | 2554.7 | 2547.2 |
| 56° | 10417.0 | 5562.0 | 2779.1 | 2625.8 | 2756.7 | 2969.9 | 2928.7 | 2681.9 | 2551.0 | 2468.7 | 2472.4 |
| 57.5° | 10432.0 | 5472.2 | 2614.5 | 2543.5 | 2655.7 | 2898.8 | 2846.5 | 2625.8 | 2446.2 | 2371.4 | 2349.0 |
| 60° | 9179.0 | 4271.5 | 2408.8 | 2363.9 | 2494.9 | 2681.9 | 2663.2 | 2472.4 | 2270.4 | 2184.4 | 2225.5 |
| 62.5° | 6257.7 | 3130.7 | 2248.0 | 2240.5 | 2307.8 | 2491.1 | 2442.5 | 2270.4 | 2102.1 | 2046.0 | 2019.8 |
| 65° | 3643.2 | 2375.2 | 2090.9 | 2061.0 | 2117.1 | 2214.3 | 2248.0 | 2068.4 | 1892.6 | 1855.2 | 1844.0 |
| 67.5° | 2150.7 | 1963.7 | 1888.9 | 1840.3 | 1821.6 | 1881.4 | 1907.6 | 1802.9 | 1627.1 | 1574.7 | 1619.6 |
| 70° | 1799.1 | 1746.8 | 1750.5 | 1668.2 | 1623.3 | 1582.2 | 1559.8 | 1466.2 | 1320.4 | 1253.0 | 1234.3 |
| 72.5° | 1552.3 | 1529.8 | 1514.9 | 1440.1 | 1398.9 | 1305.4 | 1208.2 | 1114.6 | 1006.2 | 950.1 | 953.8 |
| 75° | 1185.7 | 1178.2 | 1185.7 | 1148.3 | 1077.2 | 1002.4 | 912.7 | 793.0 | 710.7 | 639.6 | 654.6 |
| 77.5° | 706.9 | 729.4 | 740.6 | 725.6 | 695.7 | 628.4 | 572.3 | 493.7 | 415.2 | 359.1 | 351.6 |
| 80° | 486.3 | 505.0 | 523.7 | 505.0 | 475.0 | 426.4 | 366.6 | 306.7 | 250.6 | 220.7 | 213.2 |
| 82.5° | 370.3 | 389.0 | 400.2 | 381.5 | 344.1 | 291.8 | 250.6 | 209.5 | 164.6 | 134.7 | 127.2 |
| 85° | 134.7 | 153.4 | 149.6 | 179.5 | 194.5 | 187.0 | 160.8 | 123.4 | 93.5 | 67.3 | 63.6 |
| 87.5° | 37.4 | 33.7 | 37.4 | 37.4 | 37.4 | 33.7 | 29.9 | 29.9 | 29.9 | 18.7 | 15.0 |
| 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)