

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: P528024

Luminaire Tested: **GLAN-SA3A-750-U-SL2-GRSWH**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P528024
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-SA3A-750-U-SL2-GRSWH
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(3) 70 CRI, 5000K, 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: 11571 lumens
Efficiency: N/A
Efficacy: 124.4 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type II - Short
BUG Rating: B2 - U0 - G2

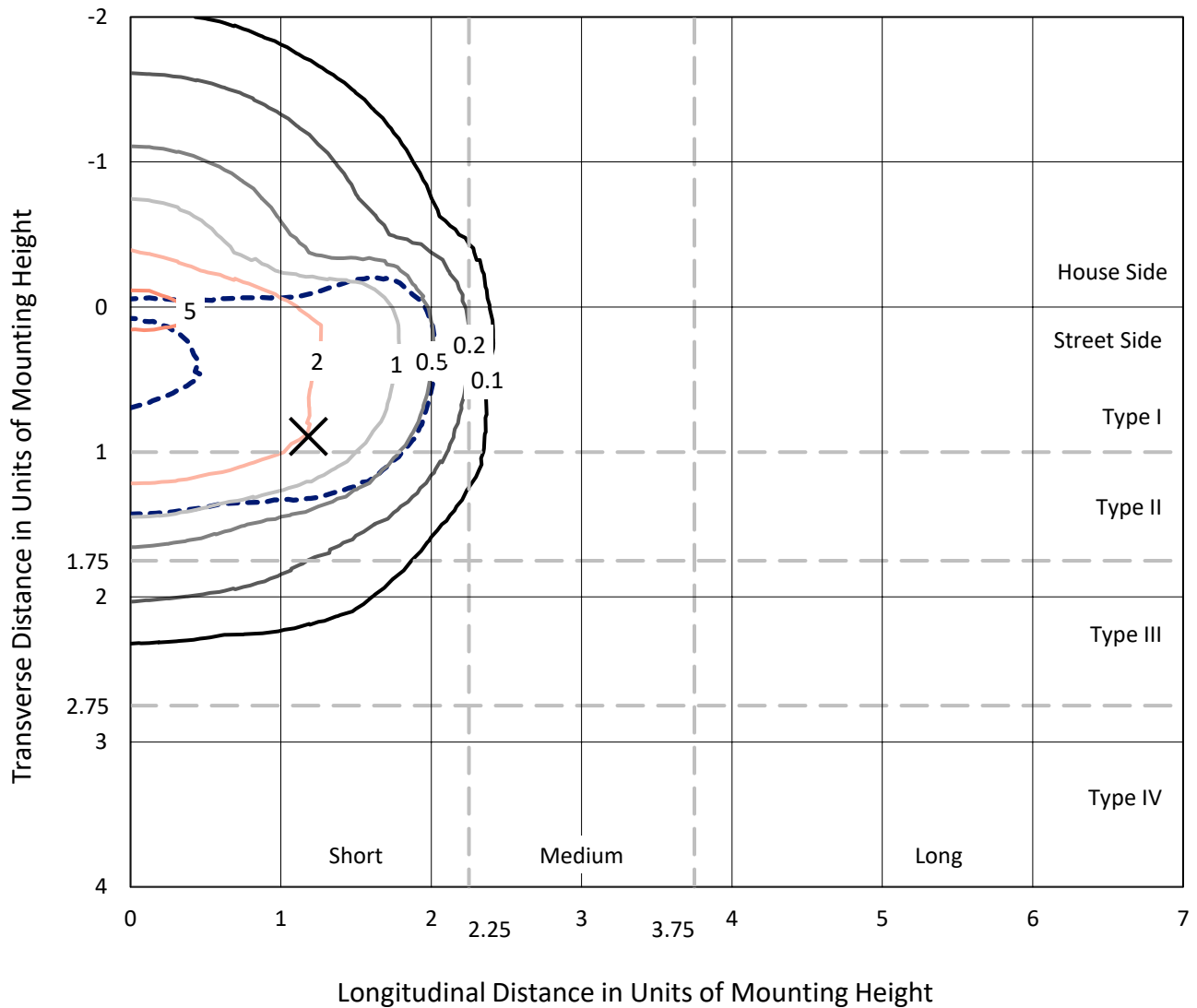
Input Watts (W): 93
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

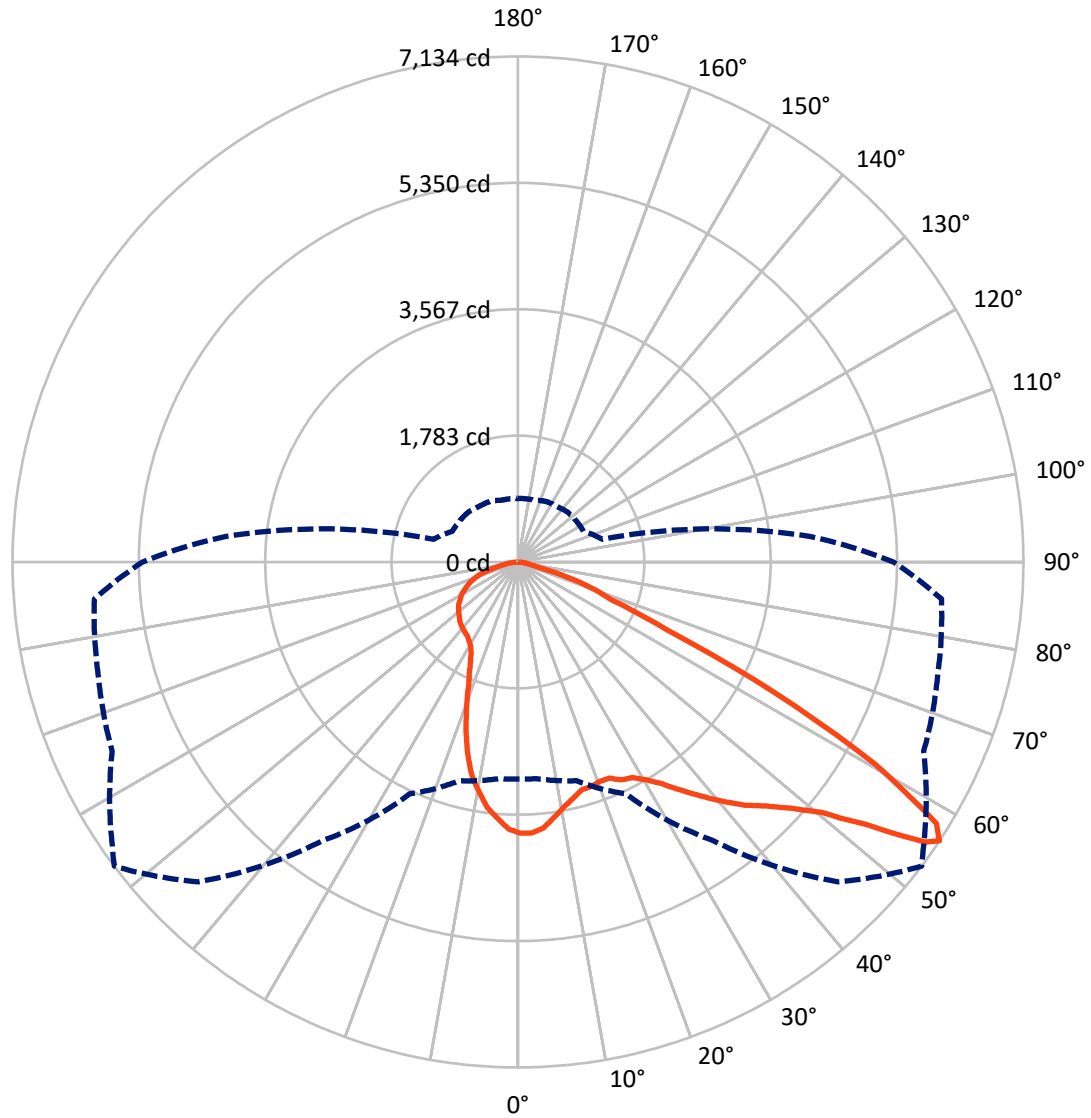
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6.1 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 | 3376.7 | 0.0 | 3376.7 |
| | % Fixture | 29.2 | 0.0 | 29.2 |
| Street Side | Lumens | 8194.3 | 0.0 | 8194.3 |
| | % Fixture | 70.8 | 0.0 | 70.8 |
| Total | Lumens | 11571.0 | 0.0 | 11571.0 |
| | % Fixture | 100.0 | 0.0 | 100.0 |

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|---------|-----------|
| 0°-10° | 338.9 | 2.9 |
| 10°-20° | 846.4 | 7.3 |
| 20°-30° | 1248.1 | 10.8 |
| 30°-40° | 1783.3 | 15.4 |
| 40°-50° | 2454.5 | 21.2 |
| 50°-60° | 2900.6 | 25.1 |
| 60°-70° | 1545.8 | 13.4 |
| 70°-80° | 392.2 | 3.4 |
| 80°-90° | 61.2 | 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° | 11571.0 | 100.0 |
| 0°-180° | 11571.0 | 100.0 |

Coefficient of Utilization



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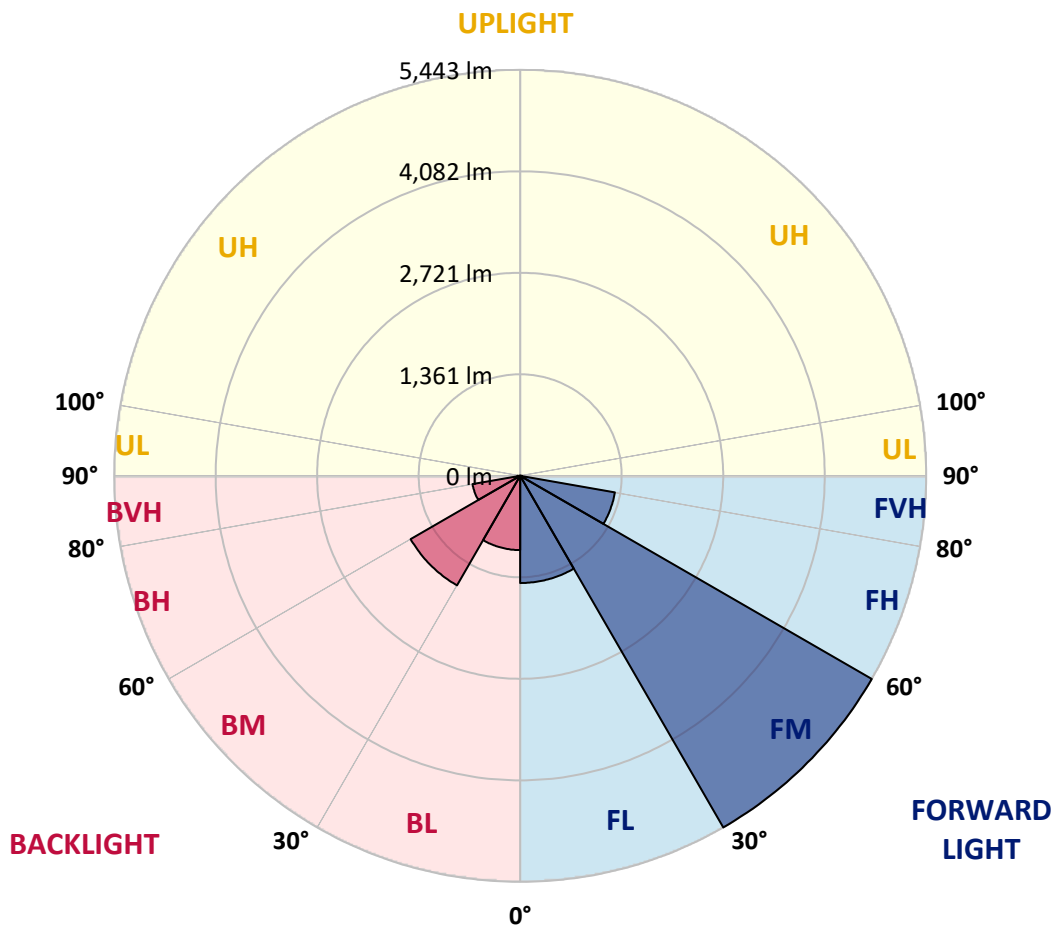
CATALOG NUMBER: GLAN-SA3A-750-U-SL2-GRSWH

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

| Zone | Lumens | % Fixture | Zone Rating/Lumen Limit | | |
|----------------|--------|-----------|-------------------------|------|---------|
| | | | B | U | G |
| FL (0°-30°) | 1437.5 | 12.4 | | | |
| FM (30°-60°) | 5442.8 | 47.0 | | | |
| FH (60°-80°) | 1289.4 | 11.1 | | | G1/1800 |
| FVH (80°-90°) | 24.6 | 0.2 | | | G1/100 |
| BL (0°-30°) | 995.9 | 8.6 | B2/1000 | | |
| BM (30°-60°) | 1695.6 | 14.7 | B2/2500 | | |
| BH (60°-80°) | 648.5 | 5.6 | B2/1000 | | G2/1000 |
| BVH (80°-90°) | 36.6 | 0.3 | | | G1/100 |
| UL (90°-100°) | 0.0 | 0.0 | | U0/0 | |
| UH (100°-180°) | 0.0 | 0.0 | | U0/0 | |

BUG Rating: B2-U0-G2

Type II Short





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CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 15° | 25° | 35° | 45° | 53° | 55° | 65° | 75° | 85° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 3828.1 | 3828.1 | 3828.1 | 3828.1 | 3828.1 | 3828.1 | 3828.1 | 3828.1 | 3828.1 | 3828.1 | 3828.1 |
| 2.5° | 3780.6 | 3748.0 | 3767.3 | 3759.9 | 3820.7 | 3838.5 | 3829.6 | 3837.0 | 3871.2 | 3854.9 | 3820.7 |
| 5° | 3532.8 | 3578.8 | 3587.7 | 3609.9 | 3645.6 | 3715.3 | 3770.3 | 3785.1 | 3801.4 | 3877.1 | 3869.7 |
| 7.5° | 3307.1 | 3338.3 | 3322.0 | 3387.3 | 3464.5 | 3577.3 | 3644.1 | 3656.0 | 3805.9 | 3847.4 | 3878.6 |
| 10° | 3164.6 | 3133.5 | 3207.7 | 3225.5 | 3313.1 | 3442.2 | 3522.4 | 3571.3 | 3707.9 | 3872.7 | 3892.0 |
| 12.5° | 3032.5 | 3022.1 | 3066.7 | 3117.1 | 3215.1 | 3348.7 | 3430.3 | 3449.6 | 3660.4 | 3834.1 | 3924.6 |
| 15° | 2934.6 | 2922.7 | 2967.2 | 3004.3 | 3118.6 | 3237.4 | 3341.3 | 3396.2 | 3608.5 | 3811.8 | 3896.4 |
| 17.5° | 2857.4 | 2855.9 | 2881.1 | 2947.9 | 3065.2 | 3164.6 | 3332.4 | 3335.3 | 3581.7 | 3846.0 | 3920.2 |
| 20° | 2852.9 | 2851.4 | 2855.9 | 2930.1 | 3037.0 | 3158.7 | 3304.2 | 3330.9 | 3581.7 | 3822.2 | 3921.7 |
| 22.5° | 2890.0 | 2866.3 | 2893.0 | 2940.5 | 3017.7 | 3169.1 | 3314.6 | 3373.9 | 3667.8 | 3939.5 | 3988.5 |
| 25° | 2949.4 | 2955.3 | 2970.2 | 2986.5 | 3031.0 | 3192.8 | 3406.6 | 3455.6 | 3768.8 | 4040.4 | 4080.5 |
| 27.5° | 3057.8 | 3054.8 | 3060.7 | 3069.6 | 3108.2 | 3215.1 | 3443.7 | 3569.9 | 3979.5 | 4220.0 | 4179.9 |
| 30° | 3216.6 | 3206.2 | 3229.9 | 3261.1 | 3225.5 | 3286.4 | 3566.9 | 3661.9 | 4175.5 | 4401.1 | 4291.3 |
| 32.5° | 3360.6 | 3399.2 | 3443.7 | 3457.1 | 3414.0 | 3425.9 | 3730.2 | 3826.7 | 4338.8 | 4623.8 | 4427.8 |
| 35° | 3540.2 | 3571.3 | 3630.7 | 3672.3 | 3664.9 | 3629.2 | 3952.8 | 4080.5 | 4574.8 | 4787.0 | 4571.8 |
| 37.5° | 3715.3 | 3752.4 | 3850.4 | 3973.6 | 3905.3 | 3889.0 | 4190.3 | 4295.7 | 4647.5 | 4874.6 | 4677.2 |
| 40° | 3997.4 | 3995.9 | 4165.1 | 4228.9 | 4289.8 | 4261.6 | 4436.7 | 4472.4 | 4686.1 | 4855.3 | 4680.2 |
| 42.5° | 4328.4 | 4307.6 | 4479.8 | 4579.2 | 4657.9 | 4660.9 | 4693.5 | 4681.6 | 4703.9 | 4757.3 | 4649.0 |
| 45° | 4643.1 | 4687.6 | 4861.3 | 5039.4 | 5118.0 | 5127.0 | 4910.2 | 4888.0 | 4735.1 | 4729.1 | 4589.6 |
| 47.5° | 5027.5 | 5037.9 | 5180.4 | 5414.9 | 5597.5 | 5535.1 | 5190.8 | 5141.8 | 4871.6 | 4917.7 | 4689.1 |
| 50° | 5049.8 | 5127.0 | 5254.6 | 5530.7 | 6091.8 | 6075.5 | 5554.4 | 5462.4 | 5091.3 | 5184.8 | 4966.6 |
| 52.5° | 4583.7 | 4565.9 | 4717.3 | 5168.5 | 6054.7 | 6612.8 | 6157.1 | 5937.4 | 5563.3 | 5492.1 | 5416.4 |
| 55° | 3492.7 | 3534.2 | 3667.8 | 4123.5 | 5257.6 | 6620.2 | 6977.9 | 6798.3 | 6068.0 | 5946.3 | 5858.7 |
| 56° | 3063.7 | 3069.6 | 3195.8 | 3611.4 | 4797.4 | 6384.2 | 7133.8 | 6988.3 | 6318.9 | 6133.3 | 5999.7 |
| 57.5° | 2539.7 | 2505.6 | 2570.9 | 2798.0 | 4049.3 | 5885.5 | 6963.1 | 7105.6 | 6612.8 | 6335.2 | 6149.7 |
| 60° | 1999.4 | 1992.0 | 1965.3 | 2006.8 | 2559.0 | 4433.8 | 5796.4 | 6117.0 | 6583.1 | 6145.2 | 5889.9 |
| 62.5° | 1632.8 | 1595.7 | 1649.1 | 1708.5 | 1778.3 | 2750.5 | 4073.1 | 4261.6 | 5226.4 | 4905.8 | 4424.9 |
| 65° | 1266.2 | 1248.3 | 1315.1 | 1508.1 | 1549.7 | 1747.1 | 2320.0 | 2465.5 | 3086.0 | 3031.0 | 2668.9 |
| 67.5° | 871.3 | 874.3 | 932.2 | 1226.1 | 1436.9 | 1419.0 | 1420.5 | 1496.2 | 1610.5 | 1196.4 | 1042.0 |
| 70° | 552.2 | 550.7 | 581.9 | 789.7 | 1156.3 | 1168.2 | 1108.8 | 1086.5 | 1030.1 | 623.4 | 660.5 |
| 72.5° | 354.8 | 344.4 | 360.7 | 436.4 | 598.2 | 691.7 | 712.5 | 725.8 | 596.7 | 489.8 | 531.4 |
| 75° | 200.4 | 190.0 | 184.1 | 203.4 | 236.0 | 273.1 | 299.8 | 308.7 | 345.9 | 371.1 | 393.4 |
| 77.5° | 60.9 | 54.9 | 66.8 | 89.1 | 117.3 | 157.3 | 191.5 | 197.4 | 233.0 | 262.7 | 285.0 |
| 80° | 26.7 | 29.7 | 41.6 | 59.4 | 83.1 | 111.3 | 135.1 | 144.0 | 167.7 | 190.0 | 195.9 |
| 82.5° | 16.3 | 17.8 | 28.2 | 40.1 | 57.9 | 78.7 | 96.5 | 99.5 | 123.2 | 141.0 | 145.5 |
| 85° | 5.9 | 7.4 | 14.8 | 23.7 | 37.1 | 50.5 | 50.5 | 54.9 | 50.5 | 50.5 | 54.9 |
| 87.5° | 0.0 | 0.0 | 1.5 | 3.0 | 3.0 | 4.5 | 5.9 | 5.9 | 7.4 | 8.9 | 10.4 |
| 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-SA3A-750-U-SL2-GRSWH

CANDELA DISTRIBUTION (continued):

| | 90° | 95° | 105° | 115° | 125° | 135° | 145° | 155° | 165° | 175° | 180° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 3828.1 | 3828.1 | 3828.1 | 3828.1 | 3828.1 | 3828.1 | 3828.1 | 3828.1 | 3828.1 | 3828.1 | 3828.1 |
| 2.5° | 3838.5 | 3831.1 | 3819.2 | 3776.2 | 3771.7 | 3758.4 | 3684.2 | 3672.3 | 3684.2 | 3648.5 | 3651.5 |
| 5° | 3831.1 | 3853.4 | 3764.3 | 3721.3 | 3641.1 | 3583.2 | 3516.4 | 3482.3 | 3421.4 | 3382.8 | 3425.9 |
| 7.5° | 3863.8 | 3854.9 | 3743.5 | 3650.0 | 3529.8 | 3382.8 | 3265.6 | 3198.8 | 3091.9 | 3062.2 | 3084.5 |
| 10° | 3851.9 | 3804.4 | 3673.8 | 3550.6 | 3323.5 | 3194.3 | 3004.3 | 2820.3 | 2719.3 | 2667.4 | 2660.0 |
| 12.5° | 3835.6 | 3822.2 | 3604.0 | 3391.7 | 3152.8 | 2881.1 | 2613.9 | 2440.3 | 2275.5 | 2204.3 | 2214.7 |
| 15° | 3854.9 | 3742.1 | 3473.4 | 3204.7 | 2887.1 | 2530.8 | 2242.9 | 2018.7 | 1904.4 | 1858.4 | 1858.4 |
| 17.5° | 3846.0 | 3703.5 | 3411.0 | 2995.4 | 2593.2 | 2171.6 | 1855.4 | 1720.4 | 1672.9 | 1672.9 | 1686.2 |
| 20° | 3850.4 | 3728.7 | 3284.9 | 2786.1 | 2245.8 | 1828.7 | 1598.6 | 1549.7 | 1570.4 | 1577.9 | 1585.3 |
| 22.5° | 3875.6 | 3645.6 | 3161.7 | 2556.1 | 1923.7 | 1564.5 | 1451.7 | 1453.2 | 1490.3 | 1530.4 | 1522.9 |
| 25° | 3906.8 | 3612.9 | 3011.7 | 2327.5 | 1677.3 | 1435.4 | 1399.7 | 1395.3 | 1423.5 | 1444.3 | 1447.2 |
| 27.5° | 3880.1 | 3556.5 | 2858.9 | 2042.5 | 1475.4 | 1349.3 | 1341.9 | 1344.8 | 1353.7 | 1395.3 | 1381.9 |
| 30° | 3967.7 | 3572.8 | 2667.4 | 1803.5 | 1364.1 | 1321.1 | 1312.2 | 1307.7 | 1321.1 | 1332.9 | 1322.6 |
| 32.5° | 4076.0 | 3514.9 | 2524.9 | 1573.4 | 1309.2 | 1300.3 | 1282.5 | 1276.5 | 1284.0 | 1272.1 | 1278.0 |
| 35° | 4123.5 | 3504.6 | 2339.3 | 1408.6 | 1266.2 | 1258.7 | 1248.3 | 1246.9 | 1248.3 | 1237.9 | 1229.0 |
| 37.5° | 4150.2 | 3553.5 | 2127.1 | 1332.9 | 1239.4 | 1246.9 | 1223.1 | 1220.1 | 1193.4 | 1199.4 | 1203.8 |
| 40° | 4196.3 | 3477.8 | 1954.9 | 1260.2 | 1223.1 | 1208.3 | 1187.5 | 1183.0 | 1165.2 | 1154.8 | 1165.2 |
| 42.5° | 4129.5 | 3455.6 | 1785.7 | 1229.0 | 1199.4 | 1183.0 | 1168.2 | 1143.0 | 1137.0 | 1128.1 | 1122.2 |
| 45° | 4076.0 | 3327.9 | 1634.3 | 1190.4 | 1171.2 | 1162.2 | 1134.0 | 1107.3 | 1085.1 | 1094.0 | 1080.6 |
| 47.5° | 4116.1 | 3283.4 | 1484.4 | 1157.8 | 1132.6 | 1122.2 | 1094.0 | 1073.2 | 1050.9 | 1040.5 | 1037.6 |
| 50° | 4276.4 | 3366.5 | 1358.2 | 1134.0 | 1099.9 | 1094.0 | 1056.9 | 1033.1 | 1012.3 | 1004.9 | 1007.9 |
| 52.5° | 4659.4 | 3593.6 | 1272.1 | 1085.1 | 1068.7 | 1042.0 | 1021.2 | 991.5 | 978.2 | 954.4 | 969.3 |
| 55° | 5144.8 | 3963.2 | 1249.8 | 1039.0 | 1030.1 | 1006.4 | 978.2 | 955.9 | 930.7 | 911.4 | 906.9 |
| 56° | 5300.6 | 4139.9 | 1232.0 | 1021.2 | 1006.4 | 993.0 | 955.9 | 942.6 | 902.5 | 898.0 | 895.1 |
| 57.5° | 5426.8 | 4295.7 | 1235.0 | 987.1 | 972.3 | 960.4 | 938.1 | 905.5 | 878.7 | 862.4 | 869.8 |
| 60° | 5141.8 | 4021.1 | 1178.6 | 935.1 | 932.2 | 909.9 | 878.7 | 863.9 | 831.2 | 811.9 | 807.5 |
| 62.5° | 3822.2 | 2729.7 | 955.9 | 868.3 | 866.9 | 843.1 | 807.5 | 791.2 | 785.2 | 758.5 | 758.5 |
| 65° | 2201.3 | 1711.5 | 826.8 | 813.4 | 801.5 | 777.8 | 742.2 | 728.8 | 714.0 | 705.1 | 697.6 |
| 67.5° | 939.6 | 887.6 | 751.1 | 749.6 | 736.2 | 706.6 | 670.9 | 650.1 | 630.8 | 613.0 | 621.9 |
| 70° | 681.3 | 691.7 | 678.3 | 670.9 | 654.6 | 617.5 | 586.3 | 561.1 | 531.4 | 519.5 | 528.4 |
| 72.5° | 540.3 | 562.6 | 581.9 | 583.4 | 564.1 | 521.0 | 486.9 | 452.7 | 420.1 | 403.7 | 411.2 |
| 75° | 409.7 | 424.5 | 443.8 | 448.3 | 420.1 | 390.4 | 357.7 | 322.1 | 296.9 | 277.6 | 280.5 |
| 77.5° | 295.4 | 292.4 | 310.2 | 307.3 | 293.9 | 273.1 | 243.4 | 210.8 | 182.6 | 164.8 | 166.2 |
| 80° | 201.9 | 206.3 | 216.7 | 215.2 | 198.9 | 185.5 | 163.3 | 136.6 | 115.8 | 100.9 | 98.0 |
| 82.5° | 141.0 | 148.4 | 157.3 | 149.9 | 136.6 | 123.2 | 106.9 | 87.6 | 71.2 | 59.4 | 56.4 |
| 85° | 50.5 | 57.9 | 66.8 | 71.2 | 75.7 | 72.7 | 60.9 | 49.0 | 35.6 | 29.7 | 28.2 |
| 87.5° | 10.4 | 11.9 | 13.4 | 13.4 | 13.4 | 11.9 | 10.4 | 10.4 | 8.9 | 4.5 | 4.5 |
| 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)