

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: P528062

Luminaire Tested: **GLAN-SA3A-760-U-T3-GRSWH**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P528062
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-16)
Test Lab: INNOVATION CENTER
Issue Date: 5/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SA3A-760-U-T3-GRSWH
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(3) 70 CRI, 5700K, 615mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III
OPTICS WITH WHITE GLARE REDUCTION SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 11639 lumens
Efficiency: N/A
Efficacy: 125.2 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type II - Short
BUG Rating: B2 - U0 - G2

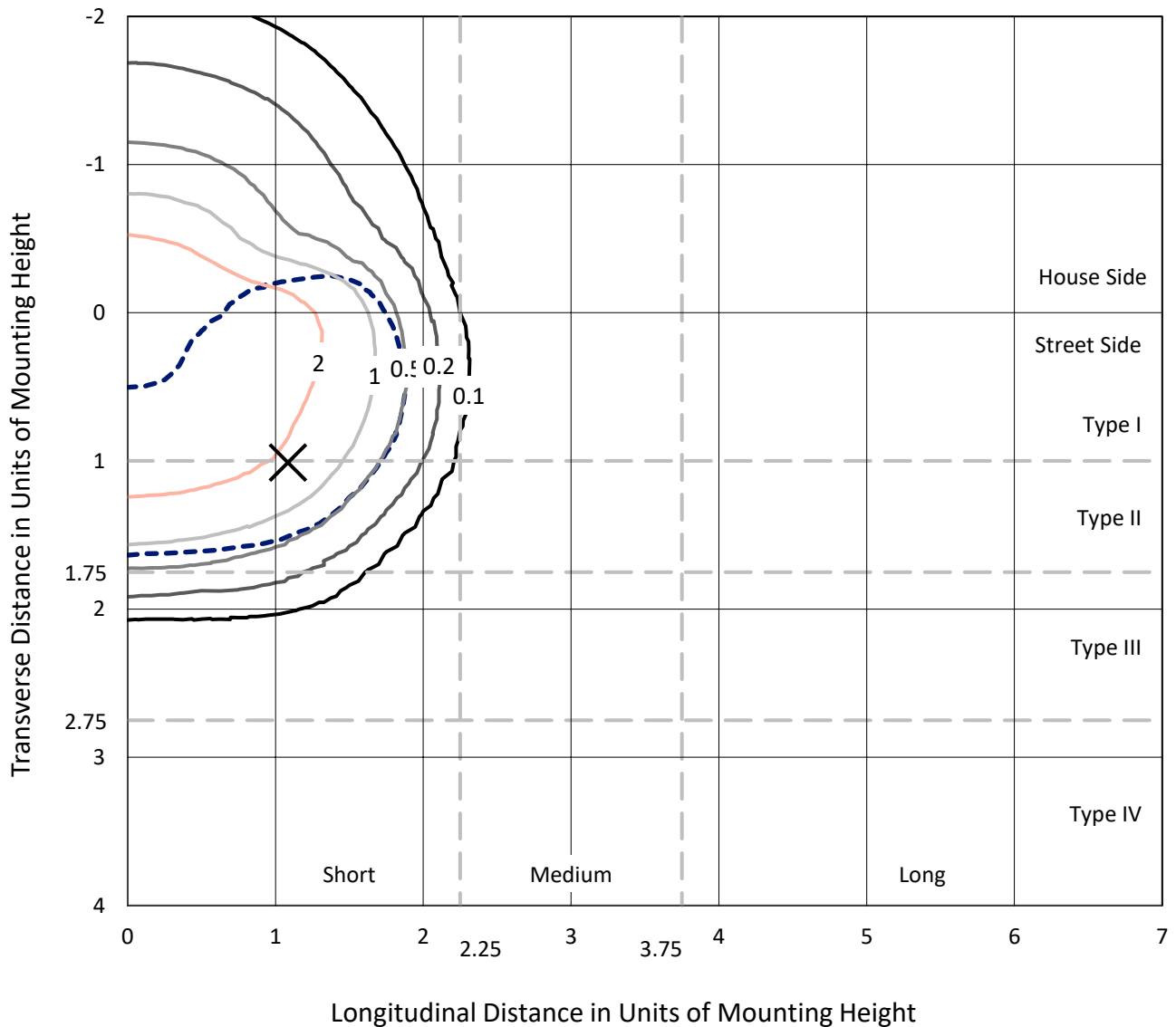
Input Watts (W): 93
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

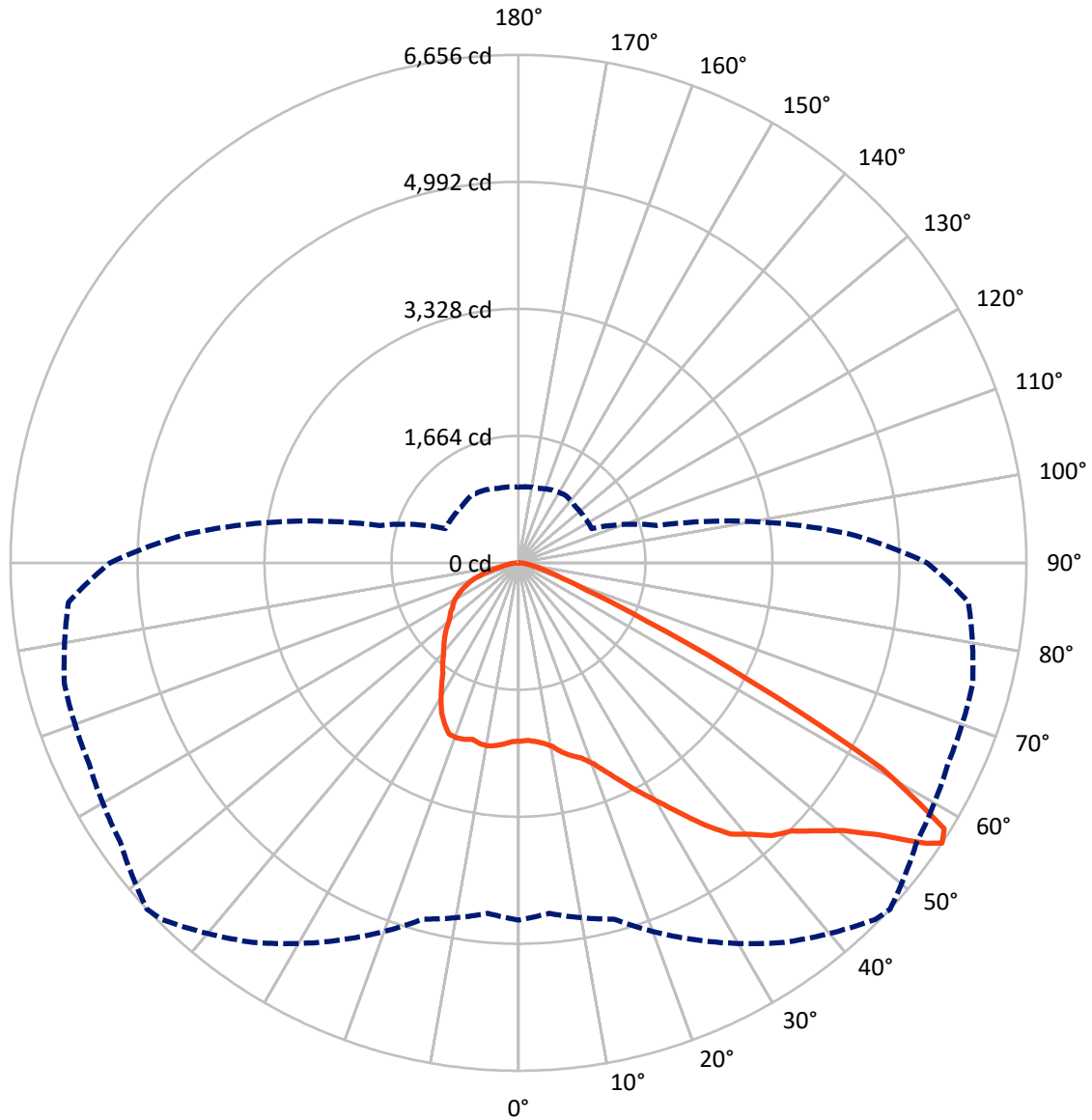
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3.9 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 47-Deg Lateral - - - Horizontal Cone Through 56-Deg Vertical

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FLUX DISTRIBUTION:

| | | Downward | Upward | Total |
|--------------------|-----------|----------|--------|---------|
| House Side | Lumens | 3688.3 | 0.0 | 3688.3 |
| | % Fixture | 31.7 | 0.0 | 31.7 |
| Street Side | Lumens | 7950.7 | 0.0 | 7950.7 |
| | % Fixture | 68.3 | 0.0 | 68.3 |
| Total | Lumens | 11639.0 | 0.0 | 11639.0 |
| | % Fixture | 100.0 | 0.0 | 100.0 |

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|---------|-----------|
| 0°-10° | 227.8 | 2.0 |
| 10°-20° | 718.6 | 6.2 |
| 20°-30° | 1270.3 | 10.9 |
| 30°-40° | 1907.9 | 16.4 |
| 40°-50° | 2618.5 | 22.5 |
| 50°-60° | 3119.6 | 26.8 |
| 60°-70° | 1335.0 | 11.5 |
| 70°-80° | 377.8 | 3.2 |
| 80°-90° | 63.6 | 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° | 11639.0 | 100.0 |
| 0°-180° | 11639.0 | 100.0 |

Coefficient of Utilization

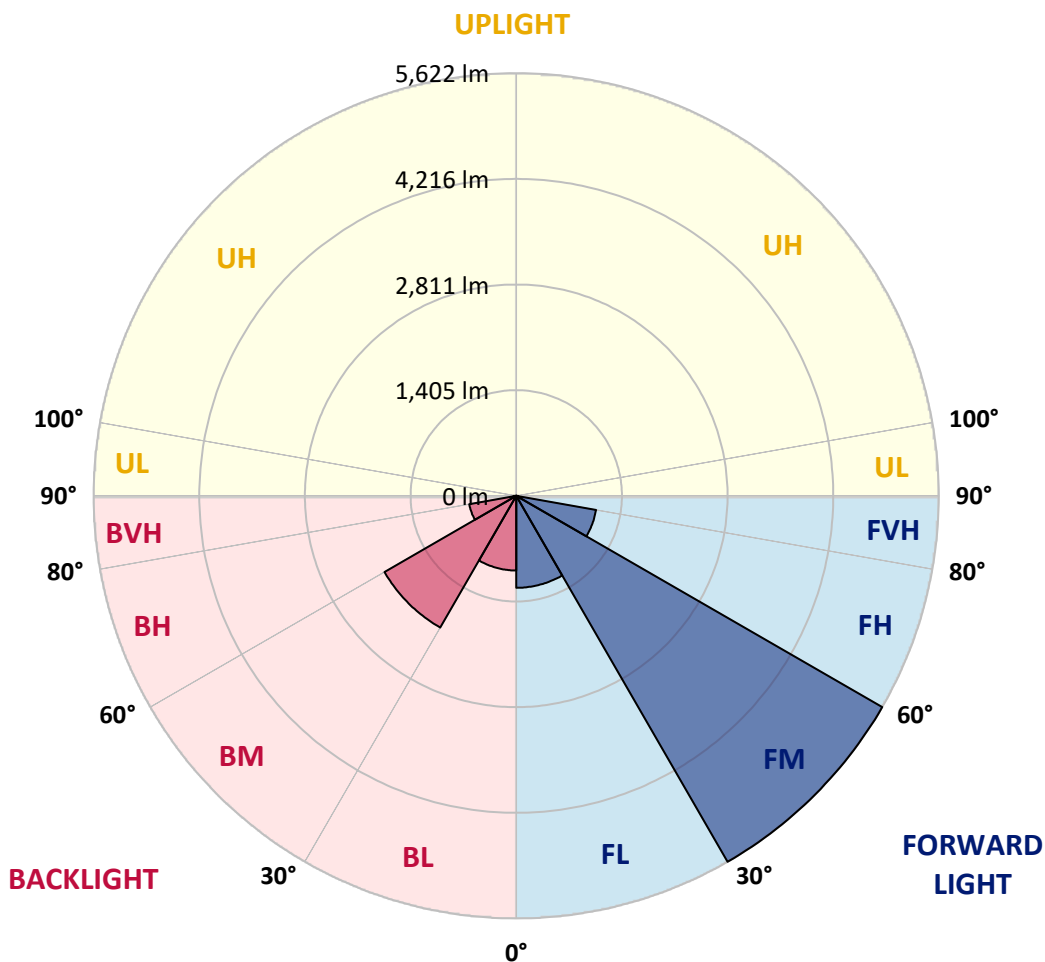


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

| Zone | Lumens | % Fixture | Zone Rating/Lumen Limit | | |
|----------------|--------|-----------|-------------------------|------|---------|
| | | | B | U | G |
| FL (0°-30°) | 1223.7 | 10.5 | | | |
| FM (30°-60°) | 5621.9 | 48.3 | | | |
| FH (60°-80°) | 1078.2 | 9.3 | | | G1/1800 |
| FVH (80°-90°) | 27.0 | 0.2 | | | G1/100 |
| BL (0°-30°) | 993.0 | 8.5 | B2/1000 | | |
| BM (30°-60°) | 2024.1 | 17.4 | B2/2500 | | |
| BH (60°-80°) | 634.6 | 5.5 | 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° | 47° | 55° | 65° | 75° | 85° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 2337.9 | 2337.9 | 2337.9 | 2337.9 | 2337.9 | 2337.9 | 2337.9 | 2337.9 | 2337.9 | 2337.9 | 2337.9 |
| 2.5° | 2329.0 | 2324.6 | 2321.6 | 2345.3 | 2336.4 | 2337.9 | 2329.0 | 2337.9 | 2343.9 | 2330.5 | 2349.8 |
| 5° | 2324.6 | 2337.9 | 2326.0 | 2333.5 | 2352.8 | 2346.8 | 2352.8 | 2370.6 | 2366.1 | 2361.7 | 2355.7 |
| 7.5° | 2366.1 | 2367.6 | 2376.5 | 2379.5 | 2385.4 | 2379.5 | 2388.4 | 2404.7 | 2400.3 | 2375.0 | 2378.0 |
| 10° | 2425.5 | 2428.5 | 2430.0 | 2446.3 | 2456.7 | 2458.2 | 2447.8 | 2432.9 | 2431.4 | 2465.6 | 2441.8 |
| 12.5° | 2493.8 | 2486.4 | 2504.2 | 2510.1 | 2522.0 | 2535.3 | 2548.7 | 2517.5 | 2536.8 | 2538.3 | 2510.1 |
| 15° | 2593.2 | 2600.7 | 2579.9 | 2579.9 | 2584.3 | 2585.8 | 2622.9 | 2608.1 | 2605.1 | 2588.8 | 2600.7 |
| 17.5° | 2741.7 | 2691.2 | 2689.7 | 2668.9 | 2666.0 | 2677.8 | 2691.2 | 2703.1 | 2743.2 | 2710.5 | 2646.7 |
| 20° | 2850.0 | 2861.9 | 2818.9 | 2793.6 | 2798.1 | 2824.8 | 2811.4 | 2864.9 | 2893.1 | 2839.6 | 2777.3 |
| 22.5° | 3041.5 | 3001.4 | 3011.8 | 2955.4 | 2959.9 | 2988.1 | 2986.6 | 3041.5 | 3057.9 | 2973.2 | 2882.7 |
| 25° | 3170.7 | 3160.3 | 3169.2 | 3124.7 | 3130.6 | 3152.9 | 3188.5 | 3279.0 | 3252.3 | 3158.8 | 2949.5 |
| 27.5° | 3359.2 | 3338.4 | 3331.0 | 3314.7 | 3308.7 | 3368.1 | 3409.7 | 3506.1 | 3486.8 | 3350.3 | 3068.2 |
| 30° | 3552.2 | 3538.8 | 3546.2 | 3479.4 | 3503.2 | 3629.3 | 3641.2 | 3773.3 | 3764.4 | 3524.0 | 3200.4 |
| 32.5° | 3685.8 | 3693.2 | 3706.5 | 3669.4 | 3774.8 | 3875.8 | 3915.8 | 4065.8 | 4073.2 | 3822.3 | 3455.7 |
| 35° | 3901.0 | 3875.8 | 3883.2 | 3926.2 | 3975.2 | 4159.3 | 4224.6 | 4324.0 | 4386.4 | 4135.5 | 3700.6 |
| 37.5° | 4036.1 | 4062.8 | 4031.6 | 4099.9 | 4227.6 | 4448.7 | 4508.1 | 4610.5 | 4675.8 | 4444.3 | 4034.6 |
| 40° | 4246.9 | 4203.8 | 4226.1 | 4275.1 | 4405.7 | 4693.7 | 4677.3 | 4782.7 | 4803.5 | 4707.0 | 4346.3 |
| 42.5° | 4474.0 | 4453.2 | 4422.0 | 4533.3 | 4643.2 | 4852.5 | 4885.1 | 4836.2 | 4941.5 | 4963.8 | 4791.6 |
| 45° | 4745.6 | 4770.8 | 4775.3 | 4778.3 | 4874.8 | 5057.3 | 5012.8 | 4969.8 | 5091.5 | 5253.3 | 5067.7 |
| 47.5° | 4998.0 | 4917.8 | 4975.7 | 5055.8 | 5192.4 | 5193.9 | 5245.9 | 5143.4 | 5272.6 | 5416.6 | 5317.1 |
| 50° | 5082.6 | 5044.0 | 5121.2 | 5272.6 | 5483.4 | 5505.6 | 5511.6 | 5366.1 | 5432.9 | 5547.2 | 5403.2 |
| 52.5° | 5049.9 | 5036.6 | 5234.0 | 5468.5 | 5777.3 | 5890.1 | 5919.8 | 5740.2 | 5777.3 | 5725.3 | 5593.2 |
| 55° | 4894.0 | 4934.1 | 5133.0 | 5611.0 | 6084.5 | 6433.4 | 6489.8 | 6262.7 | 6026.6 | 6066.7 | 5921.3 |
| 56° | 4680.3 | 4610.5 | 4833.2 | 5449.2 | 6071.2 | 6610.0 | 6656.0 | 6372.5 | 6212.2 | 6160.2 | 5918.3 |
| 57.5° | 3970.8 | 3880.2 | 4172.6 | 4903.0 | 5734.2 | 6543.2 | 6577.4 | 6418.5 | 6181.0 | 6075.6 | 5486.3 |
| 60° | 2324.6 | 2369.1 | 2740.2 | 3381.5 | 4423.5 | 5364.6 | 5478.9 | 5594.7 | 5435.9 | 4963.8 | 4083.6 |
| 62.5° | 1122.2 | 1094.0 | 1359.7 | 1938.6 | 2695.7 | 3424.5 | 3390.4 | 3715.4 | 3893.6 | 3526.9 | 2578.4 |
| 65° | 587.8 | 584.9 | 742.2 | 1058.4 | 1481.4 | 1799.1 | 1830.3 | 2005.4 | 2250.3 | 1816.9 | 1309.2 |
| 67.5° | 432.0 | 443.8 | 522.5 | 743.7 | 953.0 | 972.3 | 967.8 | 1055.4 | 1079.2 | 912.9 | 804.5 |
| 70° | 338.4 | 344.4 | 402.3 | 565.6 | 709.5 | 635.3 | 622.0 | 632.4 | 702.1 | 731.8 | 696.2 |
| 72.5° | 244.9 | 250.9 | 299.8 | 381.5 | 443.8 | 433.4 | 442.3 | 500.2 | 586.3 | 617.5 | 580.4 |
| 75° | 163.3 | 167.7 | 194.5 | 233.0 | 262.7 | 283.5 | 299.8 | 366.6 | 446.8 | 464.6 | 446.8 |
| 77.5° | 112.8 | 117.3 | 135.1 | 164.8 | 167.7 | 181.1 | 187.0 | 218.2 | 267.2 | 289.5 | 277.6 |
| 80° | 63.8 | 63.8 | 72.7 | 84.6 | 103.9 | 121.7 | 124.7 | 149.9 | 172.2 | 187.0 | 190.0 |
| 82.5° | 29.7 | 31.2 | 38.6 | 52.0 | 68.3 | 84.6 | 87.6 | 103.9 | 120.2 | 135.1 | 139.5 |
| 85° | 14.8 | 16.3 | 22.3 | 31.2 | 41.6 | 50.5 | 49.0 | 50.5 | 53.4 | 50.5 | 52.0 |
| 87.5° | 4.5 | 4.5 | 5.9 | 7.4 | 5.9 | 7.4 | 7.4 | 8.9 | 10.4 | 11.9 | 13.4 |
| 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-760-U-T3-GRSWH

CANDELA DISTRIBUTION (continued):

| | 90° | 95° | 105° | 115° | 125° | 135° | 145° | 155° | 165° | 175° | 180° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 2337.9 | 2337.9 | 2337.9 | 2337.9 | 2337.9 | 2337.9 | 2337.9 | 2337.9 | 2337.9 | 2337.9 | 2337.9 |
| 2.5° | 2351.3 | 2355.7 | 2326.0 | 2354.2 | 2343.9 | 2342.4 | 2363.2 | 2360.2 | 2367.6 | 2364.6 | 2346.8 |
| 5° | 2352.8 | 2342.4 | 2373.5 | 2345.3 | 2358.7 | 2386.9 | 2367.6 | 2412.1 | 2389.9 | 2404.7 | 2372.1 |
| 7.5° | 2398.8 | 2401.8 | 2395.8 | 2407.7 | 2401.8 | 2415.1 | 2404.7 | 2415.1 | 2397.3 | 2398.8 | 2428.5 |
| 10° | 2438.9 | 2430.0 | 2440.3 | 2425.5 | 2435.9 | 2431.4 | 2407.7 | 2400.3 | 2406.2 | 2398.8 | 2418.1 |
| 12.5° | 2513.1 | 2496.8 | 2489.3 | 2471.5 | 2459.6 | 2415.1 | 2378.0 | 2357.2 | 2385.4 | 2389.9 | 2381.0 |
| 15° | 2588.8 | 2590.3 | 2556.1 | 2516.0 | 2441.8 | 2375.0 | 2383.9 | 2391.4 | 2391.4 | 2403.2 | 2381.0 |
| 17.5° | 2636.3 | 2636.3 | 2605.1 | 2525.0 | 2449.3 | 2410.7 | 2401.8 | 2378.0 | 2357.2 | 2354.2 | 2352.8 |
| 20° | 2719.4 | 2694.2 | 2622.9 | 2523.5 | 2446.3 | 2428.5 | 2361.7 | 2305.3 | 2262.2 | 2247.4 | 2245.9 |
| 22.5° | 2814.4 | 2750.6 | 2651.1 | 2526.4 | 2441.8 | 2416.6 | 2291.9 | 2207.3 | 2130.1 | 2097.4 | 2101.9 |
| 25° | 2902.0 | 2799.6 | 2667.5 | 2513.1 | 2425.5 | 2303.8 | 2164.2 | 2047.0 | 1966.8 | 1940.1 | 1926.7 |
| 27.5° | 2962.9 | 2851.5 | 2667.5 | 2525.0 | 2364.6 | 2177.6 | 2035.1 | 1885.2 | 1815.4 | 1797.6 | 1800.6 |
| 30° | 3044.5 | 2916.8 | 2713.5 | 2499.7 | 2242.9 | 2014.3 | 1843.6 | 1745.6 | 1704.1 | 1689.2 | 1699.6 |
| 32.5° | 3236.0 | 3087.5 | 2777.3 | 2438.9 | 2098.9 | 1851.0 | 1713.0 | 1658.1 | 1597.2 | 1567.5 | 1557.1 |
| 35° | 3443.8 | 3249.3 | 2839.6 | 2336.4 | 1937.1 | 1702.6 | 1616.5 | 1566.0 | 1493.3 | 1460.6 | 1466.6 |
| 37.5° | 3737.7 | 3457.2 | 2844.1 | 2167.2 | 1762.0 | 1619.5 | 1540.8 | 1462.1 | 1402.8 | 1352.3 | 1337.4 |
| 40° | 4134.0 | 3740.7 | 2833.7 | 1989.1 | 1621.0 | 1521.5 | 1463.6 | 1365.6 | 1298.8 | 1263.2 | 1270.6 |
| 42.5° | 4482.9 | 4073.2 | 2790.7 | 1787.2 | 1493.3 | 1454.7 | 1389.4 | 1292.9 | 1227.6 | 1190.5 | 1187.5 |
| 45° | 4776.8 | 4318.1 | 2709.0 | 1615.0 | 1386.4 | 1380.5 | 1304.8 | 1230.6 | 1178.6 | 1144.5 | 1159.3 |
| 47.5° | 5048.4 | 4515.5 | 2585.8 | 1442.8 | 1288.5 | 1300.3 | 1227.6 | 1181.6 | 1148.9 | 1117.7 | 1116.3 |
| 50° | 5146.4 | 4512.6 | 2477.5 | 1300.3 | 1209.8 | 1203.8 | 1200.9 | 1151.9 | 1117.7 | 1091.0 | 1102.9 |
| 52.5° | 5309.7 | 4563.0 | 2360.2 | 1202.4 | 1138.5 | 1140.0 | 1150.4 | 1114.8 | 1076.2 | 1059.9 | 1074.7 |
| 55° | 5544.2 | 4570.5 | 2101.9 | 1088.1 | 1079.2 | 1089.5 | 1089.5 | 1065.8 | 1033.1 | 1019.8 | 1012.4 |
| 56° | 5352.7 | 4349.3 | 1885.2 | 1058.4 | 1049.5 | 1049.5 | 1077.7 | 1051.0 | 1010.9 | 1000.5 | 991.6 |
| 57.5° | 4937.1 | 3810.4 | 1577.9 | 1022.7 | 1009.4 | 1030.2 | 1045.0 | 1016.8 | 979.7 | 964.9 | 973.8 |
| 60° | 3405.2 | 2578.4 | 1186.0 | 945.6 | 945.6 | 979.7 | 991.6 | 950.0 | 933.7 | 932.2 | 920.3 |
| 62.5° | 1987.6 | 1502.2 | 927.7 | 875.8 | 878.8 | 907.0 | 915.9 | 892.1 | 871.3 | 896.6 | 908.4 |
| 65° | 1053.9 | 896.6 | 795.6 | 801.6 | 803.1 | 825.3 | 863.9 | 862.4 | 860.9 | 868.4 | 869.9 |
| 67.5° | 763.0 | 745.2 | 722.9 | 717.0 | 719.9 | 736.3 | 774.9 | 804.5 | 803.1 | 785.2 | 771.9 |
| 70° | 679.9 | 654.6 | 641.3 | 642.7 | 630.9 | 650.2 | 681.3 | 700.6 | 666.5 | 645.7 | 636.8 |
| 72.5° | 565.6 | 558.1 | 549.2 | 550.7 | 527.0 | 522.5 | 486.9 | 486.9 | 478.0 | 472.0 | 482.4 |
| 75° | 432.0 | 429.0 | 433.4 | 426.0 | 400.8 | 374.1 | 353.3 | 334.0 | 304.3 | 292.4 | 286.5 |
| 77.5° | 273.1 | 282.0 | 292.4 | 276.1 | 265.7 | 246.4 | 225.6 | 206.3 | 182.6 | 169.2 | 169.2 |
| 80° | 185.5 | 193.0 | 200.4 | 197.4 | 185.5 | 167.7 | 151.4 | 130.6 | 114.3 | 103.9 | 102.4 |
| 82.5° | 141.0 | 147.0 | 157.3 | 145.5 | 133.6 | 118.8 | 105.4 | 90.5 | 75.7 | 63.8 | 63.8 |
| 85° | 50.5 | 57.9 | 63.8 | 69.8 | 74.2 | 75.7 | 65.3 | 53.4 | 43.0 | 34.1 | 32.7 |
| 87.5° | 13.4 | 14.8 | 16.3 | 14.8 | 14.8 | 14.8 | 16.3 | 14.8 | 13.4 | 10.4 | 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 |

(END OF REPORT)