

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: P528057

Luminaire Tested: **GLAN-SA3A-760-U-T2-GRSBK**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P528057
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-13)
Test Lab: INNOVATION CENTER
Issue Date: 5/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SA3A-760-U-T2-GRSBK
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(3) 70 CRI, 5700K, 615mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II
OPTICS WITH BLACK GLARE REDUCTION SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8053 lumens
Efficiency: N/A
Efficacy: 86.6 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type II - Short
BUG Rating: B1 - U0 - G1

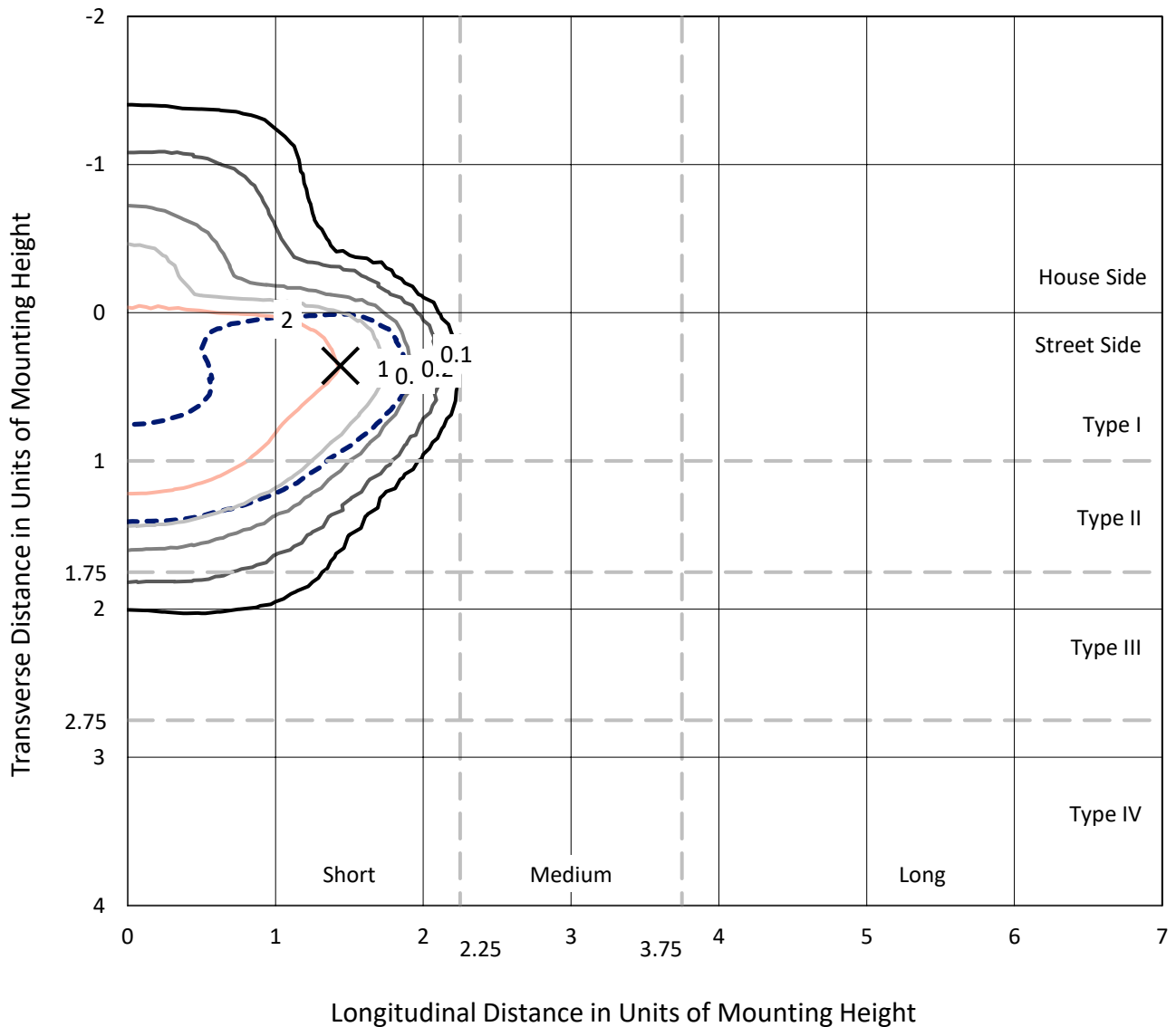
Input Watts (W): 93
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

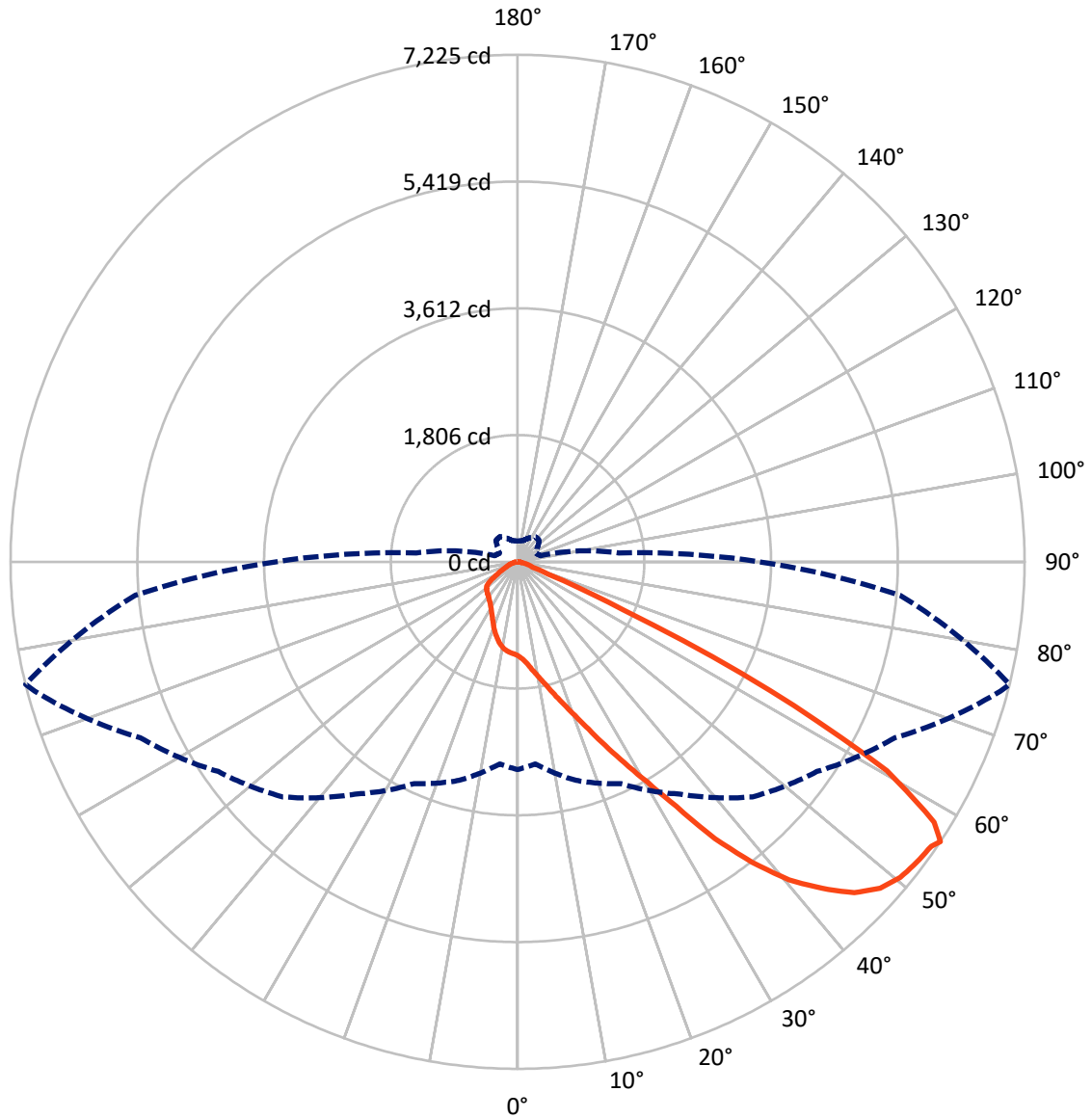
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4.3 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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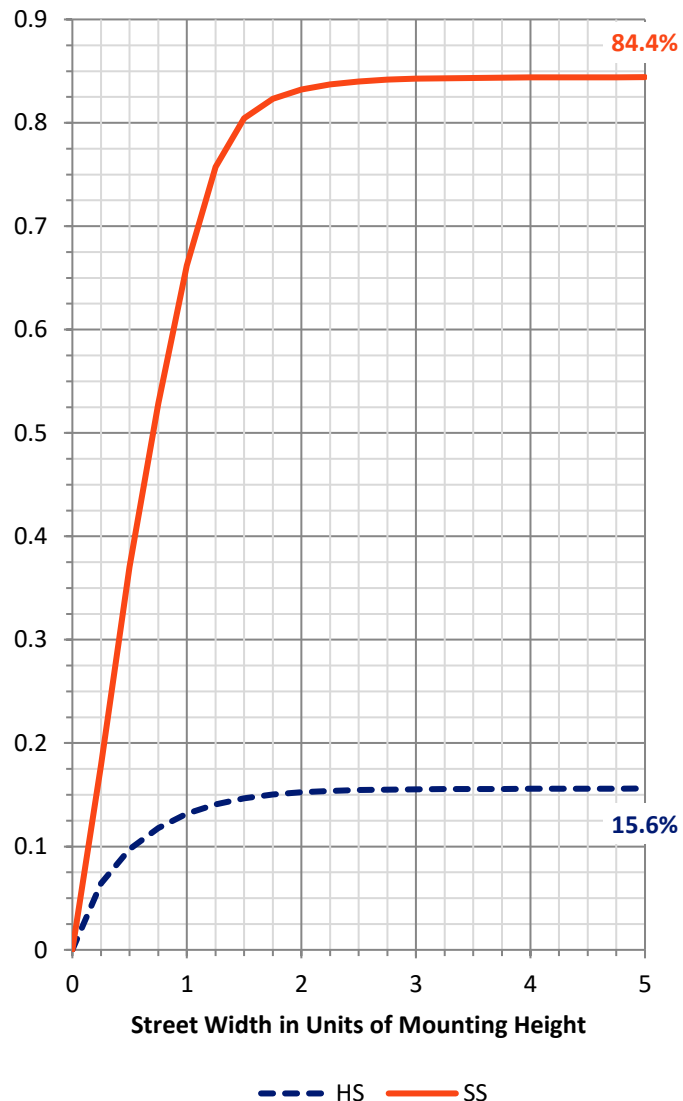
FLUX DISTRIBUTION:

| | | Downward | Upward | Total |
|--------------------|-----------|----------|--------|--------|
| House Side | Lumens | 1265.1 | 0.0 | 1265.1 |
| | % Fixture | 15.7 | 0.0 | 15.7 |
| Street Side | Lumens | 6787.9 | 0.0 | 6787.9 |
| | % Fixture | 84.3 | 0.0 | 84.3 |
| Total | Lumens | 8053.0 | 0.0 | 8053.0 |
| | % Fixture | 100.0 | 0.0 | 100.0 |

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 135.0 | 1.7 |
| 10°-20° | 433.8 | 5.4 |
| 20°-30° | 786.6 | 9.8 |
| 30°-40° | 1356.5 | 16.8 |
| 40°-50° | 2203.7 | 27.4 |
| 50°-60° | 2322.8 | 28.8 |
| 60°-70° | 709.7 | 8.8 |
| 70°-80° | 91.0 | 1.1 |
| 80°-90° | 13.8 | 0.2 |
| 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° | 8053.0 | 100.0 |
| 0°-180° | 8053.0 | 100.0 |

Coefficient of Utilization

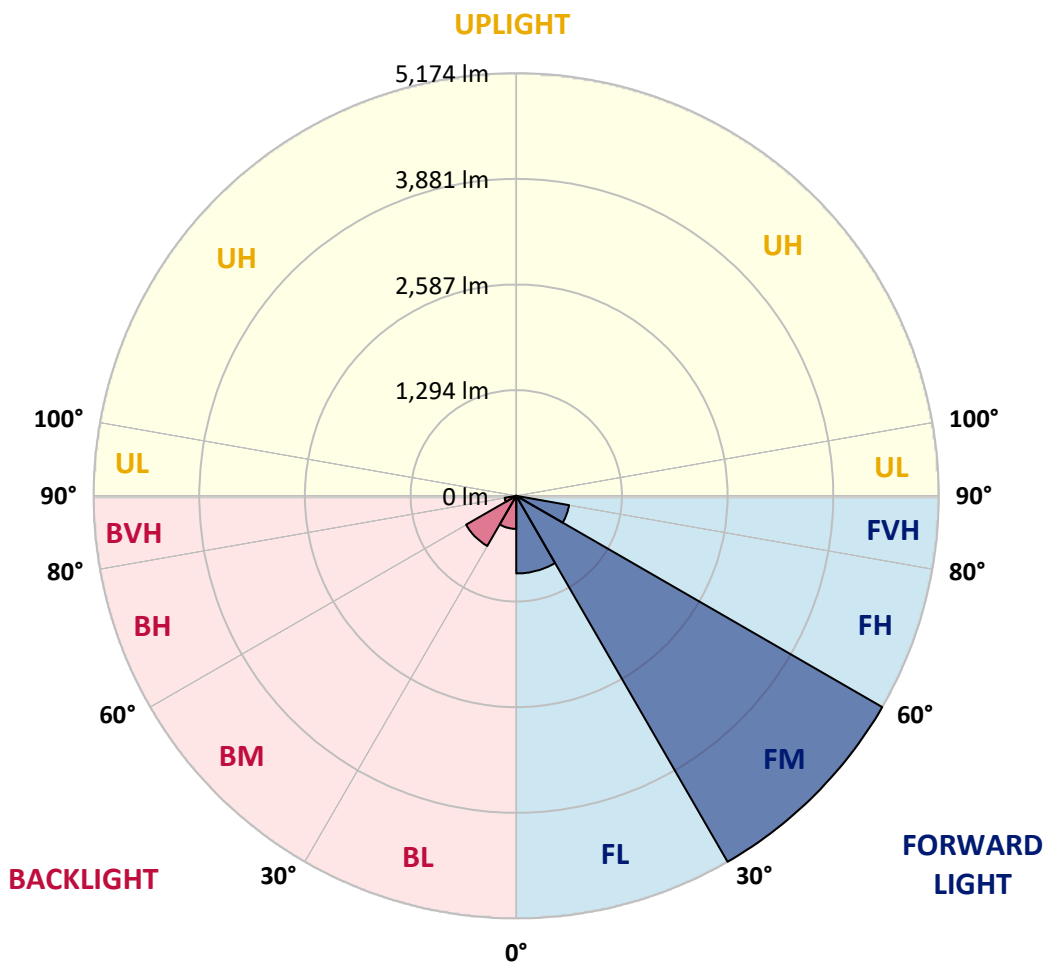


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

| Zone | Lumens | % Fixture | Zone Rating/Lumen Limit | | |
|----------------|--------|-----------|-------------------------|------|--------|
| | | | B | U | G |
| FL (0°-30°) | 950.7 | 11.8 | | | |
| FM (30°-60°) | 5174.0 | 64.2 | | | |
| FH (60°-80°) | 656.4 | 8.2 | | | G0/660 |
| FVH (80°-90°) | 6.8 | 0.1 | | | G0/10 |
| BL (0°-30°) | 404.7 | 5.0 | B1/500 | | |
| BM (30°-60°) | 709.0 | 8.8 | B1/1000 | | |
| BH (60°-80°) | 144.3 | 1.8 | B1/500 | | G1/500 |
| BVH (80°-90°) | 7.1 | 0.1 | | | G0/10 |
| UL (90°-100°) | 0.0 | 0.0 | | U0/0 | |
| UH (100°-180°) | 0.0 | 0.0 | | U0/0 | |

BUG Rating: B1-U0-G1
 Type II Short





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CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 15° | 25° | 35° | 45° | 55° | 65° | 75° | 76° | 85° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 1340.4 | 1340.4 | 1340.4 | 1340.4 | 1340.4 | 1340.4 | 1340.4 | 1340.4 | 1340.4 | 1340.4 | 1340.4 |
| 2.5° | 1543.8 | 1508.2 | 1509.7 | 1506.7 | 1502.2 | 1485.9 | 1436.9 | 1429.5 | 1396.8 | 1387.9 | 1358.2 |
| 5° | 1729.4 | 1698.2 | 1716.0 | 1689.3 | 1664.0 | 1649.2 | 1569.0 | 1531.9 | 1480.0 | 1460.7 | 1419.1 |
| 7.5° | 1845.1 | 1830.3 | 1824.4 | 1825.8 | 1802.1 | 1765.0 | 1729.4 | 1647.7 | 1577.9 | 1563.1 | 1475.5 |
| 10° | 1901.5 | 1892.6 | 1901.5 | 1897.1 | 1907.5 | 1911.9 | 1849.6 | 1800.6 | 1698.2 | 1672.9 | 1536.4 |
| 12.5° | 1914.9 | 1932.7 | 1940.1 | 1959.4 | 1984.7 | 2027.7 | 2023.3 | 1956.5 | 1819.9 | 1803.6 | 1629.9 |
| 15° | 1947.6 | 1962.4 | 1955.0 | 1986.2 | 2033.7 | 2106.4 | 2145.0 | 2134.6 | 1987.6 | 1958.0 | 1738.3 |
| 17.5° | 1977.3 | 1950.5 | 1975.8 | 2038.1 | 2085.6 | 2196.9 | 2290.5 | 2333.5 | 2170.2 | 2136.1 | 1837.7 |
| 20° | 2017.3 | 2009.9 | 2005.5 | 2036.6 | 2121.2 | 2269.7 | 2455.2 | 2533.9 | 2375.1 | 2339.5 | 1980.2 |
| 22.5° | 2139.1 | 2140.5 | 2137.6 | 2091.6 | 2152.4 | 2320.2 | 2599.2 | 2793.7 | 2620.0 | 2590.3 | 2142.0 |
| 25° | 2299.4 | 2280.1 | 2265.2 | 2228.1 | 2220.7 | 2366.2 | 2744.7 | 3111.4 | 2913.9 | 2893.1 | 2317.2 |
| 27.5° | 2468.6 | 2468.6 | 2424.1 | 2389.9 | 2342.4 | 2480.5 | 2878.3 | 3420.1 | 3268.7 | 3240.5 | 2470.1 |
| 30° | 2652.7 | 2663.1 | 2657.1 | 2584.4 | 2554.7 | 2605.2 | 3014.9 | 3815.0 | 3675.4 | 3639.8 | 2722.4 |
| 32.5° | 2924.3 | 2902.0 | 2927.3 | 2866.4 | 2778.8 | 2823.4 | 3230.1 | 4168.3 | 4203.9 | 4153.4 | 3053.5 |
| 35° | 3283.5 | 3270.2 | 3253.9 | 3154.4 | 3050.5 | 3086.1 | 3534.4 | 4603.2 | 4867.4 | 4842.2 | 3387.5 |
| 37.5° | 3605.7 | 3598.2 | 3584.9 | 3516.6 | 3396.4 | 3439.4 | 3880.3 | 5055.9 | 5514.6 | 5431.5 | 3859.5 |
| 40° | 3944.1 | 3984.2 | 3941.1 | 3880.3 | 3770.4 | 3865.4 | 4287.0 | 5324.6 | 6059.4 | 5958.5 | 4220.2 |
| 42.5° | 4402.8 | 4371.6 | 4390.9 | 4279.6 | 4220.2 | 4324.1 | 4695.2 | 5593.3 | 6482.5 | 6362.2 | 4603.2 |
| 45° | 4891.2 | 4892.7 | 4840.7 | 4805.1 | 4650.7 | 4763.5 | 4946.1 | 5741.7 | 6819.4 | 6725.9 | 4892.7 |
| 47.5° | 5204.4 | 5202.9 | 5259.3 | 5315.7 | 5156.9 | 5045.6 | 5116.8 | 5882.8 | 6993.1 | 6950.1 | 4998.1 |
| 50° | 5155.4 | 5170.2 | 5243.0 | 5453.8 | 5536.9 | 5387.0 | 5277.1 | 5841.2 | 7071.8 | 7067.3 | 5088.6 |
| 52.5° | 4484.4 | 4533.4 | 4655.2 | 4959.5 | 5378.1 | 5563.6 | 5444.9 | 5918.4 | 7110.4 | 7117.8 | 5223.7 |
| 55° | 3414.2 | 3440.9 | 3672.5 | 4042.1 | 4505.2 | 5140.6 | 5378.1 | 5979.3 | 7140.1 | 7153.4 | 5387.0 |
| 56° | 2961.4 | 2890.2 | 3224.2 | 3486.9 | 4040.6 | 4735.3 | 5208.8 | 5931.8 | 7122.3 | 7224.7 | 5468.6 |
| 57.5° | 2235.5 | 2188.0 | 2458.2 | 2786.3 | 3319.2 | 4052.5 | 4683.4 | 5707.6 | 7002.0 | 7000.5 | 5351.3 |
| 60° | 1359.7 | 1312.2 | 1520.0 | 1713.0 | 2011.4 | 2495.3 | 3164.8 | 4545.3 | 5919.9 | 6044.6 | 4333.0 |
| 62.5° | 809.0 | 838.7 | 1043.5 | 1160.8 | 1257.3 | 1307.8 | 1637.3 | 2701.6 | 3950.0 | 4039.1 | 2688.3 |
| 65° | 538.8 | 549.2 | 703.6 | 896.6 | 939.6 | 748.1 | 666.5 | 1094.0 | 1713.0 | 1658.1 | 1108.9 |
| 67.5° | 332.5 | 356.3 | 472.0 | 673.9 | 746.7 | 546.3 | 316.2 | 408.2 | 472.0 | 472.0 | 320.6 |
| 70° | 201.9 | 213.8 | 314.7 | 458.7 | 512.1 | 351.8 | 230.1 | 230.1 | 227.1 | 222.7 | 191.5 |
| 72.5° | 96.5 | 103.9 | 160.3 | 236.0 | 240.5 | 185.6 | 178.1 | 194.5 | 190.0 | 188.5 | 158.8 |
| 75° | 41.6 | 44.5 | 56.4 | 74.2 | 84.6 | 78.7 | 108.4 | 139.5 | 144.0 | 139.5 | 114.3 |
| 77.5° | 13.4 | 14.8 | 20.8 | 26.7 | 28.2 | 34.1 | 46.0 | 57.9 | 66.8 | 62.3 | 56.4 |
| 80° | 1.5 | 3.0 | 5.9 | 13.4 | 20.8 | 26.7 | 34.1 | 38.6 | 43.0 | 43.0 | 40.1 |
| 82.5° | 1.5 | 1.5 | 5.9 | 11.9 | 19.3 | 25.2 | 32.7 | 37.1 | 43.0 | 44.5 | 41.6 |
| 85° | 0.0 | 1.5 | 4.5 | 10.4 | 16.3 | 16.3 | 14.8 | 14.8 | 10.4 | 10.4 | 10.4 |
| 87.5° | 0.0 | 0.0 | 1.5 | 1.5 | 1.5 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 |
| 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-T2-GRSBK

CANDELA DISTRIBUTION (continued):

| | 90° | 95° | 105° | 115° | 125° | 135° | 145° | 155° | 165° | 175° | 180° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 1340.4 | 1340.4 | 1340.4 | 1340.4 | 1340.4 | 1340.4 | 1340.4 | 1340.4 | 1340.4 | 1340.4 | 1340.4 |
| 2.5° | 1352.3 | 1349.3 | 1309.3 | 1284.0 | 1270.7 | 1243.9 | 1227.6 | 1215.7 | 1206.8 | 1196.4 | 1197.9 |
| 5° | 1370.1 | 1359.7 | 1292.9 | 1246.9 | 1192.0 | 1162.3 | 1137.1 | 1116.3 | 1102.9 | 1100.0 | 1094.0 |
| 7.5° | 1420.6 | 1365.7 | 1264.7 | 1181.6 | 1111.8 | 1082.1 | 1059.9 | 1046.5 | 1052.5 | 1039.1 | 1049.5 |
| 10° | 1459.2 | 1377.5 | 1230.6 | 1110.3 | 1040.6 | 1018.3 | 1006.4 | 1016.8 | 1031.7 | 1025.7 | 1018.3 |
| 12.5° | 1506.7 | 1389.4 | 1175.7 | 1042.1 | 976.8 | 960.4 | 981.2 | 1000.5 | 1030.2 | 1042.1 | 1027.2 |
| 15° | 1560.1 | 1402.8 | 1105.9 | 963.4 | 921.8 | 935.2 | 970.8 | 1005.0 | 1034.6 | 1049.5 | 1058.4 |
| 17.5° | 1625.4 | 1398.3 | 1037.6 | 901.0 | 869.9 | 908.5 | 951.5 | 982.7 | 1027.2 | 1049.5 | 1043.5 |
| 20° | 1686.3 | 1383.5 | 961.9 | 838.7 | 840.2 | 875.8 | 911.4 | 961.9 | 985.7 | 1015.3 | 1005.0 |
| 22.5° | 1744.2 | 1356.8 | 883.2 | 795.7 | 795.7 | 850.6 | 868.4 | 901.0 | 921.8 | 936.7 | 935.2 |
| 25° | 1825.8 | 1306.3 | 817.9 | 754.1 | 771.9 | 807.5 | 822.4 | 832.8 | 823.9 | 835.7 | 837.2 |
| 27.5° | 1883.7 | 1254.3 | 764.5 | 717.0 | 749.6 | 776.4 | 771.9 | 766.0 | 745.2 | 728.9 | 739.2 |
| 30° | 1946.1 | 1193.5 | 718.5 | 691.7 | 709.6 | 733.3 | 715.5 | 697.7 | 665.0 | 638.3 | 639.8 |
| 32.5° | 2035.1 | 1165.3 | 678.4 | 662.1 | 685.8 | 688.8 | 669.5 | 642.8 | 610.1 | 584.9 | 583.4 |
| 35° | 2201.4 | 1147.5 | 644.2 | 642.8 | 647.2 | 648.7 | 629.4 | 596.7 | 583.4 | 562.6 | 570.0 |
| 37.5° | 2367.7 | 1138.6 | 620.5 | 614.6 | 613.1 | 614.6 | 592.3 | 561.1 | 586.3 | 584.9 | 587.8 |
| 40° | 2579.9 | 1178.6 | 586.3 | 578.9 | 580.4 | 580.4 | 552.2 | 543.3 | 587.8 | 592.3 | 593.8 |
| 42.5° | 2795.2 | 1229.1 | 564.1 | 540.3 | 546.3 | 546.3 | 531.4 | 521.0 | 552.2 | 522.5 | 518.1 |
| 45° | 2982.2 | 1303.3 | 540.3 | 501.7 | 516.6 | 524.0 | 519.5 | 501.7 | 482.4 | 432.0 | 432.0 |
| 47.5° | 3043.1 | 1368.6 | 512.1 | 464.6 | 476.5 | 509.2 | 495.8 | 458.7 | 424.5 | 383.0 | 380.0 |
| 50° | 3149.9 | 1439.9 | 489.9 | 421.6 | 446.8 | 486.9 | 473.5 | 436.4 | 397.8 | 368.1 | 369.6 |
| 52.5° | 3259.8 | 1521.5 | 448.3 | 371.1 | 402.3 | 469.1 | 469.1 | 427.5 | 368.1 | 347.4 | 344.4 |
| 55° | 3424.6 | 1518.6 | 374.1 | 304.3 | 359.2 | 442.4 | 449.8 | 383.0 | 329.5 | 313.2 | 313.2 |
| 56° | 3448.3 | 1450.3 | 337.0 | 285.0 | 339.9 | 434.9 | 436.4 | 371.1 | 314.7 | 296.9 | 296.9 |
| 57.5° | 3270.2 | 1309.3 | 295.4 | 261.3 | 316.2 | 421.6 | 423.1 | 360.7 | 302.8 | 277.6 | 274.6 |
| 60° | 2516.1 | 886.2 | 246.4 | 233.1 | 286.5 | 380.0 | 387.4 | 328.1 | 265.7 | 246.4 | 244.9 |
| 62.5° | 1420.6 | 491.3 | 216.7 | 210.8 | 246.4 | 323.6 | 345.9 | 286.5 | 225.6 | 215.2 | 218.2 |
| 65° | 648.7 | 270.2 | 182.6 | 170.7 | 198.9 | 249.4 | 279.1 | 236.0 | 185.6 | 173.7 | 173.7 |
| 67.5° | 237.5 | 184.1 | 155.9 | 135.1 | 139.5 | 161.8 | 181.1 | 152.9 | 123.2 | 105.4 | 109.8 |
| 70° | 169.2 | 154.4 | 136.6 | 117.3 | 108.4 | 105.4 | 103.9 | 86.1 | 60.9 | 47.5 | 50.5 |
| 72.5° | 136.6 | 127.7 | 114.3 | 99.5 | 84.6 | 71.3 | 60.9 | 44.5 | 28.2 | 19.3 | 17.8 |
| 75° | 98.0 | 93.5 | 83.1 | 71.3 | 59.4 | 50.5 | 41.6 | 28.2 | 14.8 | 7.4 | 7.4 |
| 77.5° | 50.5 | 50.5 | 49.0 | 44.5 | 37.1 | 29.7 | 23.8 | 16.3 | 8.9 | 3.0 | 3.0 |
| 80° | 38.6 | 41.6 | 43.0 | 38.6 | 34.1 | 26.7 | 19.3 | 11.9 | 5.9 | 1.5 | 1.5 |
| 82.5° | 37.1 | 43.0 | 46.0 | 40.1 | 34.1 | 25.2 | 19.3 | 11.9 | 5.9 | 1.5 | 1.5 |
| 85° | 8.9 | 8.9 | 13.4 | 14.8 | 19.3 | 20.8 | 16.3 | 10.4 | 4.5 | 1.5 | 1.5 |
| 87.5° | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 1.5 | 1.5 | 1.5 | 1.5 | 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)