

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: P452871

Luminaire Tested: **GLAN-SA3D-760-U-SLL**

Issue Date: 1/4/2021

Test Information

Test Method: LM-79-08
Report Number: P452871
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-042-20)
Test Lab: INNOVATION CENTER
Issue Date: 1/4/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SA3D-760-U-SLL
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(3) 70 CRI, 5700K, 1200mA LIGHTSQUARES WITH 16 LEDS EACH AND SPILL LIGHT
ELIMINATOR LEFT OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 19906 lumens
Efficiency: N/A
Efficacy: 108.2 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B2 - U0 - G4

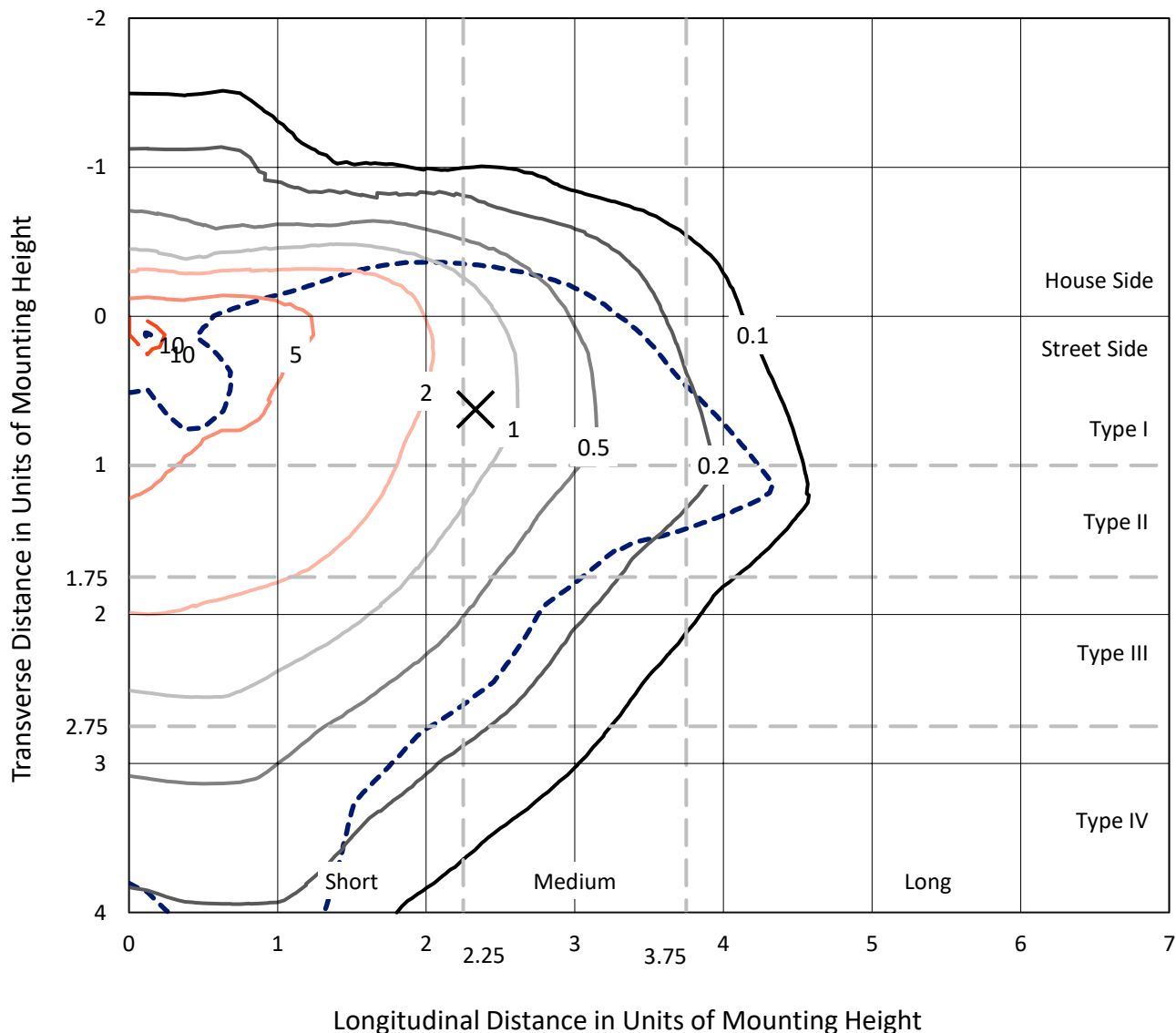
Input Watts (W): 184
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P452871
 CATALOG NUMBER: GLAN-SA3D-760-U-SLL

Iso-Footcandle Lines of Horizontal Illumination

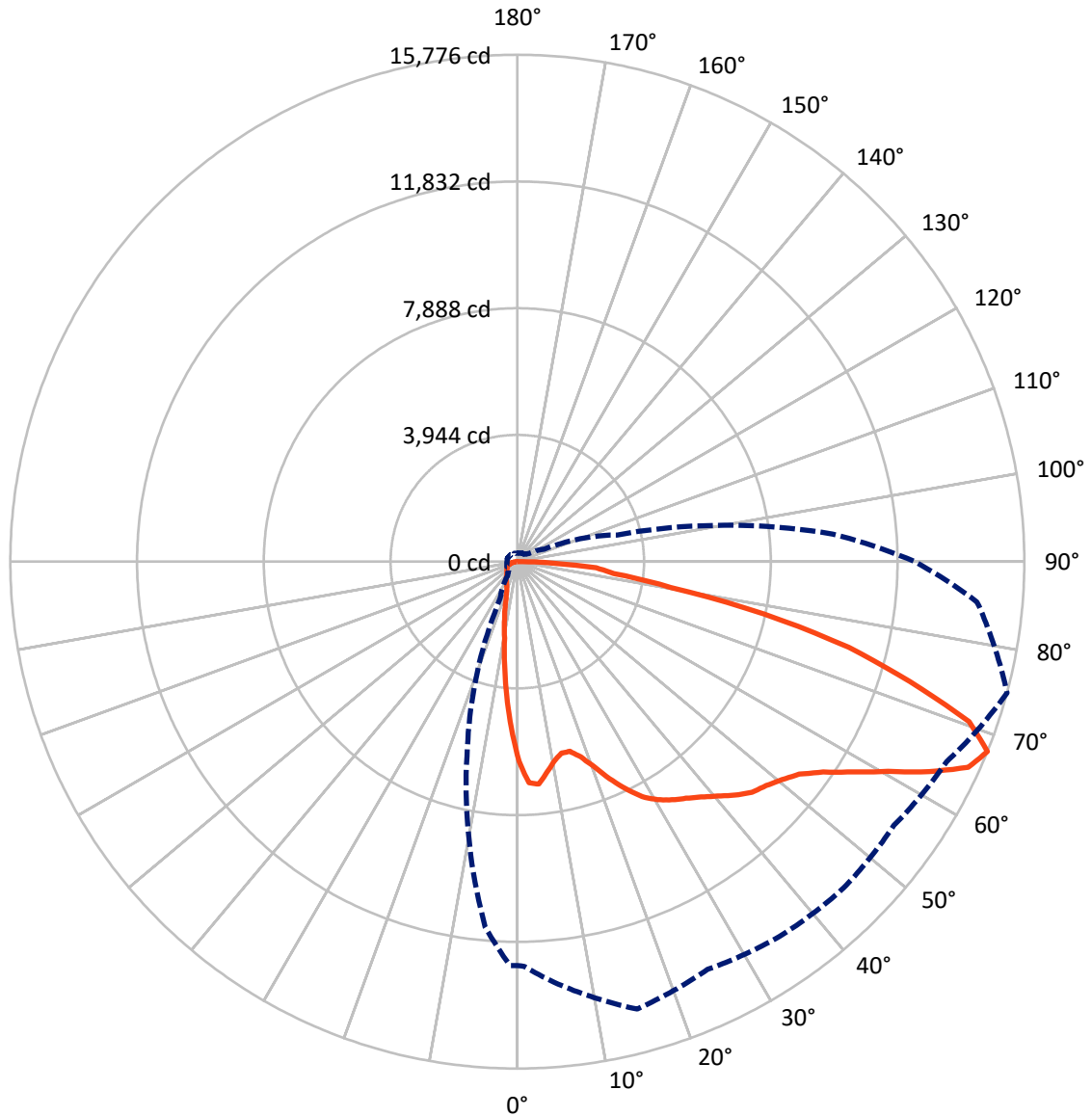
× Max cd
 - - - 1/2 Max cd



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

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Luminous Intensity Polar Plot



— Vertical Plane Through 75-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

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CATALOG NUMBER: GLAN-SA3D-760-U-SLL

FLUX DISTRIBUTION:

| | | Downward | Upward | Total |
|--------------------|-----------|----------|--------|---------|
| House Side | Lumens | 3364.5 | 0.0 | 3364.5 |
| | % Fixture | 16.9 | 0.0 | 16.9 |
| Street Side | Lumens | 16541.5 | 0.0 | 16541.5 |
| | % Fixture | 83.1 | 0.0 | 83.1 |
| Total | Lumens | 19906.0 | 0.0 | 19906.0 |
| | % Fixture | 100.0 | 0.0 | 100.0 |

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|---------|-----------|
| 0°-10° | 471.7 | 2.4 |
| 10°-20° | 983.7 | 4.9 |
| 20°-30° | 1415.6 | 7.1 |
| 30°-40° | 2038.9 | 10.2 |
| 40°-50° | 2864.1 | 14.4 |
| 50°-60° | 3994.4 | 20.1 |
| 60°-70° | 4749.1 | 23.9 |
| 70°-80° | 2797.0 | 14.1 |
| 80°-90° | 591.5 | 3.0 |
| 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° | 19906.0 | 100.0 |
| 0°-180° | 19906.0 | 100.0 |

Coefficient of Utilization



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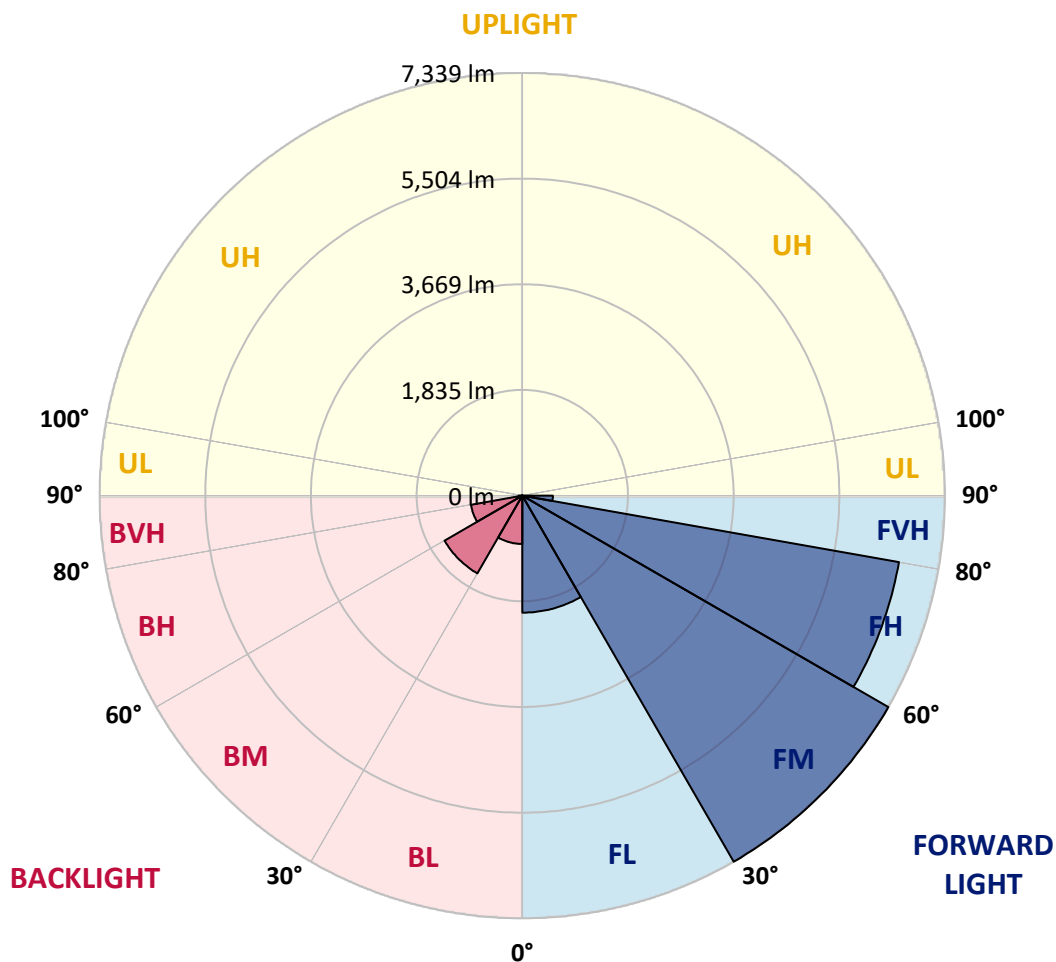
CATALOG NUMBER: GLAN-SA3D-760-U-SLL

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

| Zone | | Lumens | % Fixture | Zone Rating/Lumen Limit | | |
|------|-------------|--------|-----------|-------------------------|------|---------|
| | | | | B | U | G |
| FL | (0°-30°) | 2031.9 | 10.2 | | | |
| FM | (30°-60°) | 7338.6 | 36.9 | | | |
| FH | (60°-80°) | 6640.7 | 33.4 | | | G3/7500 |
| FVH | (80°-90°) | 530.3 | 2.7 | | | G4/750 |
| BL | (0°-30°) | 839.2 | 4.2 | B2/1000 | | |
| BM | (30°-60°) | 1558.8 | 7.8 | B2/2500 | | |
| BH | (60°-80°) | 905.3 | 4.5 | B2/1000 | | G2/1000 |
| BVH | (80°-90°) | 61.2 | 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-G4

Type III Medium





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CATALOG NUMBER: GLAN-SA3D-760-U-SLL

CANDELA DISTRIBUTION (FULL):

| | 0° | 1° | 5° | 15° | 25° | 35° | 45° | 55° | 65° | 75° | 85° |
|-------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 0° | 6219.1 | 6219.1 | 6219.1 | 6219.1 | 6219.1 | 6219.1 | 6219.1 | 6219.1 | 6219.1 | 6219.1 | 6219.1 |
| 2.5° | 6705.5 | 6714.4 | 6771.8 | 6939.1 | 7053.9 | 7096.1 | 7125.4 | 7070.5 | 7016.9 | 6886.7 | 6690.1 |
| 5° | 6685.0 | 6737.4 | 6886.7 | 7262.0 | 7558.2 | 7685.8 | 7724.1 | 7559.4 | 7287.5 | 6953.1 | 6551.0 |
| 7.5° | 6294.4 | 6364.6 | 6594.4 | 7223.7 | 7745.8 | 8044.5 | 8004.9 | 7707.5 | 7217.3 | 6621.2 | 6059.5 |
| 10° | 5831.0 | 5908.9 | 6185.9 | 6946.7 | 7619.4 | 8030.5 | 8030.5 | 7667.9 | 7016.9 | 6308.5 | 5661.3 |
| 12.5° | 5463.4 | 5545.1 | 5861.7 | 6662.1 | 7356.5 | 7745.8 | 7810.9 | 7499.4 | 6872.7 | 6110.6 | 5399.6 |
| 15° | 5342.2 | 5421.3 | 5762.1 | 6489.7 | 7078.2 | 7315.6 | 7337.3 | 7235.2 | 6802.5 | 6124.6 | 5388.1 |
| 17.5° | 5492.8 | 5594.9 | 5939.6 | 6540.8 | 6822.9 | 6836.9 | 6853.5 | 6933.9 | 6810.1 | 6381.2 | 5620.4 |
| 20° | 5928.1 | 6037.8 | 6397.8 | 6705.5 | 6599.5 | 6454.0 | 6462.9 | 6669.7 | 6900.8 | 6805.0 | 6175.7 |
| 22.5° | 6556.1 | 6651.8 | 7020.7 | 6995.2 | 6505.0 | 6205.1 | 6142.5 | 6431.0 | 7034.8 | 7333.5 | 6766.7 |
| 25° | 7233.9 | 7346.3 | 7770.1 | 7425.4 | 6531.8 | 6057.0 | 6017.4 | 6290.6 | 7173.9 | 7827.5 | 7449.7 |
| 27.5° | 8010.0 | 8119.8 | 8454.3 | 7859.4 | 6672.3 | 6045.5 | 5998.3 | 6277.8 | 7299.0 | 8284.5 | 8101.9 |
| 30° | 8587.0 | 8687.9 | 8915.1 | 8224.5 | 6844.6 | 6122.1 | 6063.4 | 6378.7 | 7406.2 | 8597.2 | 8737.6 |
| 32.5° | 9040.2 | 9144.8 | 9268.7 | 8451.7 | 7071.8 | 6261.2 | 6152.7 | 6562.5 | 7546.7 | 8835.9 | 9208.7 |
| 35° | 9512.5 | 9636.3 | 9627.4 | 8653.4 | 7283.7 | 6422.1 | 6316.1 | 6828.0 | 7767.5 | 9044.0 | 9806.1 |
| 37.5° | 10111.2 | 10160.9 | 10097.1 | 8834.7 | 7537.7 | 6711.8 | 6653.1 | 7222.4 | 8081.5 | 9295.5 | 10504.3 |
| 40° | 10718.8 | 10818.3 | 10490.3 | 9054.2 | 7846.6 | 7256.9 | 7250.5 | 7805.8 | 8454.3 | 9590.3 | 11180.9 |
| 42.5° | 11239.6 | 11323.8 | 10857.9 | 9245.7 | 8220.7 | 7922.0 | 7970.5 | 8588.3 | 8943.2 | 9932.4 | 11724.6 |
| 45° | 11631.5 | 11706.8 | 11197.5 | 9430.8 | 8713.4 | 8690.4 | 8976.3 | 9426.9 | 9559.7 | 10240.1 | 12043.8 |
| 47.5° | 11964.6 | 12037.4 | 11433.6 | 9711.6 | 9322.3 | 9608.2 | 10106.0 | 10301.4 | 10086.9 | 10416.2 | 12401.2 |
| 50° | 12245.5 | 12267.2 | 11595.7 | 10046.1 | 10078.0 | 10732.8 | 11215.3 | 11341.7 | 10607.7 | 10669.0 | 12711.4 |
| 52.5° | 12537.8 | 12509.7 | 11875.3 | 10467.3 | 10894.9 | 11800.0 | 12151.0 | 12282.5 | 11106.8 | 10980.4 | 13163.3 |
| 55° | 13192.6 | 13219.4 | 12502.0 | 10998.3 | 11720.8 | 12848.0 | 13310.1 | 13183.7 | 11659.5 | 11553.6 | 13737.7 |
| 57.5° | 13984.1 | 13961.1 | 13384.1 | 11829.3 | 12562.0 | 13823.2 | 14167.9 | 13964.9 | 12397.4 | 12341.2 | 14319.8 |
| 60° | 14291.7 | 14322.3 | 14121.9 | 12722.9 | 13391.8 | 14677.2 | 15029.5 | 14714.2 | 13282.0 | 13256.4 | 14758.9 |
| 62.5° | 13982.8 | 14155.1 | 14290.4 | 13518.1 | 14098.9 | 15305.2 | 15655.0 | 15295.0 | 14204.9 | 14390.0 | 15066.5 |
| 65° | 13367.5 | 13404.5 | 13865.3 | 14192.1 | 14439.8 | 15408.6 | 15591.2 | 15399.7 | 14975.9 | 15422.7 | 15052.5 |
| 67.5° | 12568.4 | 12600.3 | 13140.3 | 14413.0 | 14000.6 | 14234.2 | 14361.9 | 14305.7 | 14737.2 | 15776.3 | 14359.3 |
| 70° | 11807.6 | 11782.1 | 12352.7 | 13850.0 | 12188.0 | 11833.2 | 11939.1 | 11762.9 | 12716.5 | 14912.1 | 12999.9 |
| 72.5° | 10326.9 | 10418.8 | 11031.5 | 12285.0 | 9650.3 | 9073.4 | 9304.4 | 8848.7 | 9780.5 | 12771.4 | 10551.5 |
| 75° | 8089.2 | 8110.9 | 9133.4 | 10310.3 | 7279.9 | 6369.7 | 6682.5 | 6492.3 | 7491.8 | 10653.7 | 7286.3 |
| 77.5° | 5601.3 | 5552.8 | 6651.8 | 7874.7 | 5191.5 | 4663.1 | 4668.2 | 4577.5 | 5231.1 | 7844.1 | 4950.3 |
| 80° | 3557.6 | 3483.6 | 4163.9 | 4864.7 | 3567.8 | 3816.7 | 3691.6 | 3687.8 | 3405.7 | 4839.2 | 2993.4 |
| 82.5° | 1922.4 | 2004.1 | 2630.9 | 3049.6 | 2559.4 | 2950.0 | 2703.6 | 2624.5 | 2337.3 | 3029.1 | 1914.7 |
| 85° | 875.7 | 952.3 | 1402.9 | 2074.3 | 1944.1 | 1965.8 | 1313.5 | 1549.7 | 1933.9 | 2459.8 | 1022.5 |
| 87.5° | 85.5 | 109.8 | 289.8 | 979.1 | 663.8 | 523.4 | 195.3 | 376.6 | 486.3 | 874.4 | 81.7 |
| 90° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |



REPORT NUMBER: P452871
 CATALOG NUMBER: GLAN-SA3D-760-U-SLL

CANDELA DISTRIBUTION (continued):

| | 90° | 95° | 105° | 115° | 125° | 135° | 145° | 155° | 165° | 175° | 180° |
|-------|---------|---------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 6219.1 | 6219.1 | 6219.1 | 6219.1 | 6219.1 | 6219.1 | 6219.1 | 6219.1 | 6219.1 | 6219.1 | 6219.1 |
| 2.5° | 6609.7 | 6543.3 | 6317.4 | 6131.0 | 5933.2 | 5782.5 | 5586.0 | 5454.5 | 5363.9 | 5227.3 | 5210.7 |
| 5° | 6305.9 | 6143.8 | 5750.6 | 5349.8 | 5003.9 | 4743.5 | 4479.2 | 4236.7 | 4093.7 | 4049.1 | 3991.6 |
| 7.5° | 5794.0 | 5520.9 | 5015.4 | 4555.8 | 4158.8 | 3770.8 | 3472.1 | 3260.2 | 3118.5 | 3035.5 | 2935.9 |
| 10° | 5372.8 | 5056.2 | 4440.9 | 3878.0 | 3551.2 | 3310.0 | 3047.0 | 2819.8 | 2644.9 | 2495.6 | 2413.9 |
| 12.5° | 5089.4 | 4732.0 | 4040.1 | 3583.1 | 3330.4 | 3073.8 | 2766.2 | 2510.9 | 2253.0 | 2083.2 | 2010.5 |
| 15° | 5003.9 | 4626.0 | 3916.3 | 3436.3 | 3073.8 | 2738.1 | 2393.4 | 2060.3 | 1805.0 | 1644.1 | 1590.5 |
| 17.5° | 5213.2 | 4756.2 | 3915.0 | 3241.0 | 2772.6 | 2371.7 | 1930.1 | 1617.3 | 1355.6 | 1235.7 | 1197.4 |
| 20° | 5603.8 | 5006.4 | 3926.5 | 3048.3 | 2445.8 | 1881.6 | 1404.1 | 1147.6 | 1022.5 | 971.4 | 952.3 |
| 22.5° | 6148.9 | 5388.1 | 3961.0 | 2858.1 | 2088.4 | 1445.0 | 1051.8 | 921.6 | 877.0 | 868.0 | 864.2 |
| 25° | 6820.3 | 5860.4 | 4077.1 | 2687.0 | 1787.1 | 1102.9 | 879.5 | 820.8 | 795.3 | 786.3 | 785.0 |
| 27.5° | 7438.2 | 6470.6 | 4217.6 | 2540.2 | 1496.1 | 951.0 | 795.3 | 745.5 | 719.9 | 718.7 | 721.2 |
| 30° | 7996.0 | 6981.2 | 4335.0 | 2375.6 | 1275.2 | 845.0 | 740.4 | 690.6 | 666.3 | 665.1 | 672.7 |
| 32.5° | 8478.5 | 7401.1 | 4421.8 | 2213.5 | 1152.7 | 779.9 | 690.6 | 637.0 | 616.5 | 612.7 | 616.5 |
| 35° | 8994.2 | 7819.8 | 4382.2 | 2087.1 | 1082.5 | 726.3 | 653.6 | 601.2 | 577.0 | 565.5 | 565.5 |
| 37.5° | 9582.7 | 8251.3 | 4314.6 | 1982.4 | 1050.6 | 681.7 | 621.7 | 570.6 | 546.3 | 534.9 | 533.6 |
| 40° | 10224.8 | 8682.7 | 4221.4 | 1889.2 | 1018.6 | 654.8 | 600.0 | 546.3 | 517.0 | 505.5 | 502.9 |
| 42.5° | 10791.5 | 9051.7 | 4144.8 | 1827.9 | 966.3 | 660.0 | 580.8 | 528.5 | 491.5 | 476.1 | 474.9 |
| 45° | 11284.3 | 9423.1 | 4130.8 | 1792.2 | 922.9 | 652.3 | 575.7 | 514.4 | 471.0 | 454.4 | 451.9 |
| 47.5° | 11669.8 | 9809.9 | 4211.2 | 1771.8 | 875.7 | 611.4 | 608.9 | 505.5 | 453.2 | 435.3 | 432.7 |
| 50° | 12139.5 | 10358.8 | 4395.0 | 1729.7 | 832.3 | 573.1 | 643.4 | 504.2 | 439.1 | 416.1 | 409.8 |
| 52.5° | 12765.0 | 11073.6 | 4643.9 | 1654.3 | 769.7 | 537.4 | 614.0 | 504.2 | 422.5 | 399.5 | 391.9 |
| 55° | 13710.9 | 11985.1 | 4887.7 | 1548.4 | 681.7 | 490.2 | 554.0 | 488.9 | 398.3 | 377.8 | 372.7 |
| 57.5° | 14337.6 | 12651.4 | 5043.4 | 1401.6 | 571.9 | 455.7 | 477.4 | 464.6 | 374.0 | 352.3 | 352.3 |
| 60° | 14369.6 | 12830.1 | 4969.4 | 1216.5 | 502.9 | 423.8 | 414.9 | 468.5 | 352.3 | 329.3 | 326.8 |
| 62.5° | 14001.9 | 12392.3 | 4583.9 | 1050.6 | 465.9 | 389.3 | 375.3 | 411.0 | 330.6 | 307.6 | 303.8 |
| 65° | 13427.5 | 11275.3 | 3915.0 | 971.4 | 445.5 | 358.7 | 338.3 | 337.0 | 307.6 | 285.9 | 280.8 |
| 67.5° | 12371.8 | 9853.3 | 3216.8 | 925.5 | 435.3 | 324.2 | 305.1 | 298.7 | 280.8 | 263.0 | 260.4 |
| 70° | 10815.8 | 8252.6 | 2579.8 | 906.3 | 430.2 | 288.5 | 273.2 | 265.5 | 250.2 | 236.2 | 234.9 |
| 72.5° | 8414.7 | 6694.0 | 2129.2 | 893.5 | 427.6 | 255.3 | 238.7 | 228.5 | 219.6 | 206.8 | 206.8 |
| 75° | 6044.2 | 4924.7 | 1625.0 | 805.5 | 395.7 | 219.6 | 201.7 | 195.3 | 182.5 | 172.3 | 174.9 |
| 77.5° | 3810.4 | 3316.3 | 1069.7 | 592.3 | 306.4 | 176.2 | 160.8 | 157.0 | 146.8 | 132.8 | 141.7 |
| 80° | 2573.4 | 2332.2 | 624.2 | 372.7 | 192.8 | 128.9 | 123.8 | 122.5 | 111.1 | 95.7 | 97.0 |
| 82.5° | 1751.4 | 1718.2 | 324.2 | 211.9 | 111.1 | 75.3 | 72.8 | 75.3 | 62.5 | 51.1 | 51.1 |
| 85° | 684.2 | 934.4 | 153.2 | 83.0 | 35.7 | 11.5 | 16.6 | 17.9 | 10.2 | 5.1 | 6.4 |
| 87.5° | 12.8 | 95.7 | 3.8 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 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 |



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CATALOG NUMBER: GLAN-SA3D-760-U-SLL

CANDELA DISTRIBUTION (continued):

| | 185° | 195° | 205° | 215° | 225° | 235° | 245° | 255° | 265° | 270° | 275° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 6219.1 | 6219.1 | 6219.1 | 6219.1 | 6219.1 | 6219.1 | 6219.1 | 6219.1 | 6219.1 | 6219.1 | 6219.1 |
| 2.5° | 5185.1 | 5173.7 | 5192.8 | 5111.1 | 5127.7 | 5158.3 | 5173.7 | 5182.6 | 5309.0 | 5279.6 | 5360.0 |
| 5° | 4045.2 | 4033.7 | 4107.8 | 4118.0 | 4156.3 | 4148.6 | 4185.6 | 4194.6 | 4240.5 | 4257.1 | 4369.5 |
| 7.5° | 2942.3 | 2992.1 | 3076.4 | 3119.8 | 3184.9 | 3205.3 | 3186.1 | 3233.4 | 3137.6 | 3206.6 | 3227.0 |
| 10° | 2364.1 | 2304.1 | 2268.3 | 2367.9 | 2380.7 | 2475.1 | 2436.8 | 2406.2 | 2462.4 | 2464.9 | 2518.5 |
| 12.5° | 1968.4 | 1839.4 | 1753.9 | 1782.0 | 1812.6 | 1853.5 | 1859.9 | 1921.1 | 1962.0 | 2000.3 | 2032.2 |
| 15° | 1543.3 | 1498.6 | 1420.7 | 1382.4 | 1425.8 | 1442.4 | 1482.0 | 1533.1 | 1576.5 | 1588.0 | 1631.4 |
| 17.5° | 1184.6 | 1192.3 | 1179.5 | 1156.5 | 1183.3 | 1196.1 | 1198.6 | 1199.9 | 1211.4 | 1203.7 | 1267.6 |
| 20° | 953.5 | 980.4 | 1012.3 | 1017.4 | 1026.3 | 1032.7 | 1021.2 | 977.8 | 979.1 | 1005.9 | 1026.3 |
| 22.5° | 862.9 | 868.0 | 903.8 | 915.3 | 943.3 | 931.8 | 898.7 | 878.2 | 875.7 | 882.1 | 892.3 |
| 25° | 791.4 | 799.1 | 824.6 | 842.5 | 864.2 | 843.8 | 819.5 | 800.4 | 797.8 | 804.2 | 814.4 |
| 27.5° | 727.6 | 739.1 | 762.1 | 779.9 | 800.4 | 781.2 | 758.2 | 741.6 | 740.4 | 739.1 | 745.5 |
| 30° | 676.5 | 689.3 | 705.9 | 726.3 | 740.4 | 723.8 | 702.1 | 693.1 | 691.9 | 689.3 | 691.9 |
| 32.5° | 625.5 | 645.9 | 662.5 | 672.7 | 686.8 | 674.0 | 657.4 | 652.3 | 643.4 | 635.7 | 631.9 |
| 35° | 568.0 | 589.7 | 615.3 | 628.0 | 642.1 | 629.3 | 617.8 | 596.1 | 580.8 | 579.5 | 582.1 |
| 37.5° | 534.9 | 543.8 | 564.2 | 585.9 | 600.0 | 593.6 | 571.9 | 550.2 | 546.3 | 546.3 | 548.9 |
| 40° | 505.5 | 509.3 | 518.3 | 546.3 | 571.9 | 552.7 | 525.9 | 519.5 | 519.5 | 518.3 | 519.5 |
| 42.5° | 476.1 | 480.0 | 480.0 | 501.7 | 542.5 | 511.9 | 491.5 | 491.5 | 491.5 | 492.7 | 496.6 |
| 45° | 449.3 | 450.6 | 449.3 | 464.6 | 502.9 | 477.4 | 463.4 | 467.2 | 469.8 | 472.3 | 474.9 |
| 47.5° | 426.4 | 427.6 | 426.4 | 439.1 | 458.3 | 448.1 | 440.4 | 445.5 | 450.6 | 454.4 | 457.0 |
| 50° | 405.9 | 404.7 | 407.2 | 414.9 | 423.8 | 426.4 | 421.2 | 428.9 | 431.5 | 436.6 | 442.9 |
| 52.5° | 388.1 | 386.8 | 389.3 | 393.2 | 405.9 | 405.9 | 405.9 | 412.3 | 417.4 | 422.5 | 431.5 |
| 55° | 367.6 | 368.9 | 372.7 | 377.8 | 394.4 | 391.9 | 393.2 | 398.3 | 403.4 | 411.0 | 416.1 |
| 57.5° | 348.5 | 351.0 | 356.1 | 363.8 | 380.4 | 379.1 | 380.4 | 382.9 | 389.3 | 393.2 | 398.3 |
| 60° | 326.8 | 331.9 | 338.3 | 343.4 | 360.0 | 358.7 | 365.1 | 370.2 | 374.0 | 374.0 | 376.6 |
| 62.5° | 305.1 | 312.7 | 319.1 | 323.0 | 340.8 | 342.1 | 351.0 | 354.9 | 357.4 | 354.9 | 358.7 |
| 65° | 283.4 | 294.9 | 297.4 | 302.5 | 320.4 | 321.7 | 331.9 | 340.8 | 338.3 | 335.7 | 342.1 |
| 67.5° | 261.7 | 275.7 | 274.4 | 280.8 | 298.7 | 301.3 | 310.2 | 325.5 | 320.4 | 317.8 | 323.0 |
| 70° | 237.4 | 247.6 | 248.9 | 252.7 | 277.0 | 273.2 | 287.2 | 301.3 | 297.4 | 298.7 | 298.7 |
| 72.5° | 210.6 | 219.6 | 219.6 | 227.2 | 252.7 | 246.4 | 257.9 | 273.2 | 273.2 | 271.9 | 271.9 |
| 75° | 178.7 | 183.8 | 188.9 | 200.4 | 227.2 | 219.6 | 227.2 | 241.3 | 243.8 | 241.3 | 241.3 |
| 77.5° | 144.2 | 151.9 | 154.5 | 169.8 | 188.9 | 187.6 | 195.3 | 201.7 | 206.8 | 204.2 | 204.2 |
| 80° | 102.1 | 109.8 | 120.0 | 136.6 | 148.1 | 151.9 | 155.7 | 160.8 | 163.4 | 163.4 | 165.9 |
| 82.5° | 57.4 | 68.9 | 77.9 | 94.5 | 99.6 | 118.7 | 117.4 | 121.3 | 117.4 | 103.4 | 114.9 |
| 85° | 12.8 | 24.3 | 34.5 | 43.4 | 49.8 | 68.9 | 72.8 | 81.7 | 67.7 | 62.5 | 62.5 |
| 87.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 10.2 | 20.4 | 28.1 | 24.3 | 20.4 | 20.4 |
| 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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| 45° | 496.6 | 533.6 | 577.0 | 676.5 | 879.5 | 1722.0 | 4683.5 | 10187.7 | 11461.7 | 11631.5 |
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| 62.5° | 388.1 | 527.2 | 427.6 | 441.7 | 577.0 | 1568.8 | 6676.1 | 13028.0 | 13889.6 | 13982.8 |
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| 67.5° | 343.4 | 360.0 | 358.7 | 379.1 | 527.2 | 1262.5 | 5995.7 | 11423.4 | 12574.8 | 12568.4 |
| 70° | 314.0 | 323.0 | 326.8 | 348.5 | 502.9 | 1120.8 | 4996.2 | 10260.5 | 11664.7 | 11807.6 |
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| 77.5° | 215.7 | 215.7 | 222.1 | 238.7 | 381.7 | 760.8 | 1853.5 | 4636.2 | 5242.6 | 5601.3 |
| 80° | 174.9 | 176.2 | 173.6 | 191.5 | 280.8 | 520.8 | 1053.1 | 3096.8 | 3488.7 | 3557.6 |
| 82.5° | 134.0 | 130.2 | 131.5 | 140.4 | 209.3 | 354.9 | 561.7 | 1923.7 | 1960.7 | 1922.4 |
| 85° | 84.2 | 84.2 | 81.7 | 91.9 | 134.0 | 185.1 | 306.4 | 1178.2 | 920.4 | 875.7 |
| 87.5° | 34.5 | 28.1 | 31.9 | 37.0 | 63.8 | 75.3 | 120.0 | 242.5 | 93.2 | 85.5 |
| 90° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

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