

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: P652947

Luminaire Tested: **GLAN-SA6C-840-U-SLL**

Issue Date: 1/4/2021

Test Information

Test Method: LM-79-08
Report Number: P652947
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-SA6C-840-U-SLL
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(6) 80 CRI, 4000K, 1050mA 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: 30222.2 lumens
Efficiency: N/A
Efficacy: 94.2 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B3 - U0 - G5

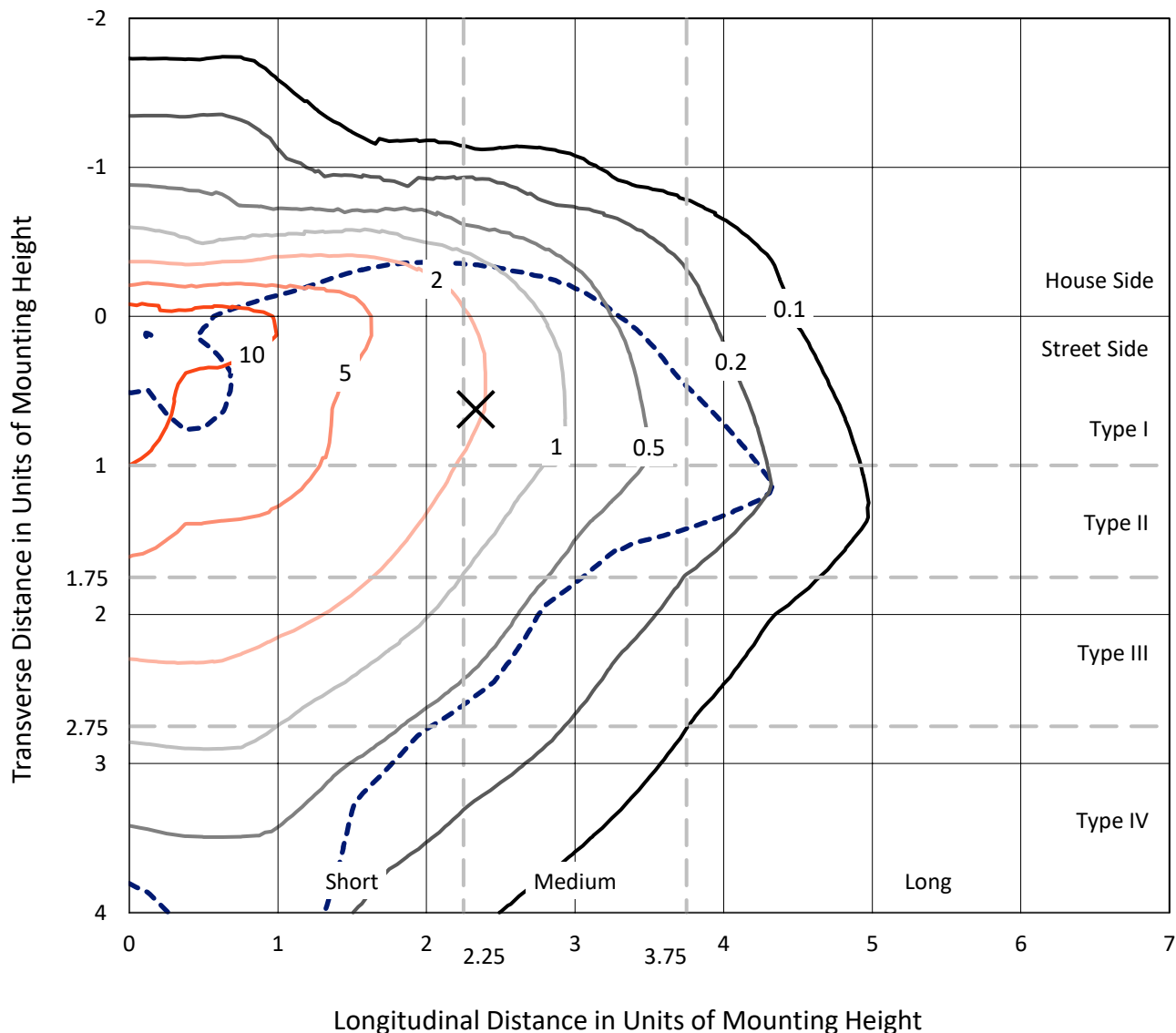
Input Watts (W): 321
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

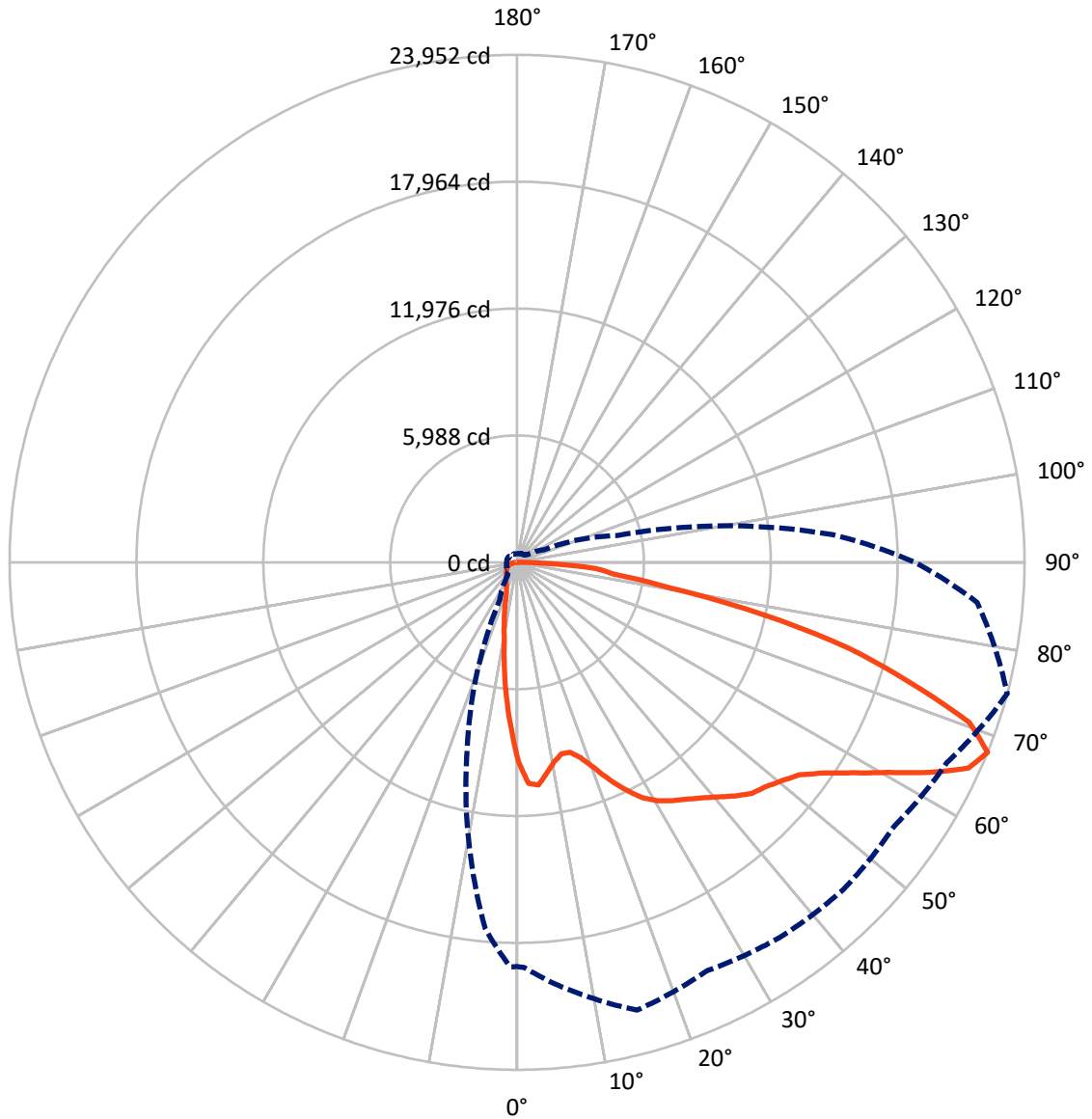
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 18.6 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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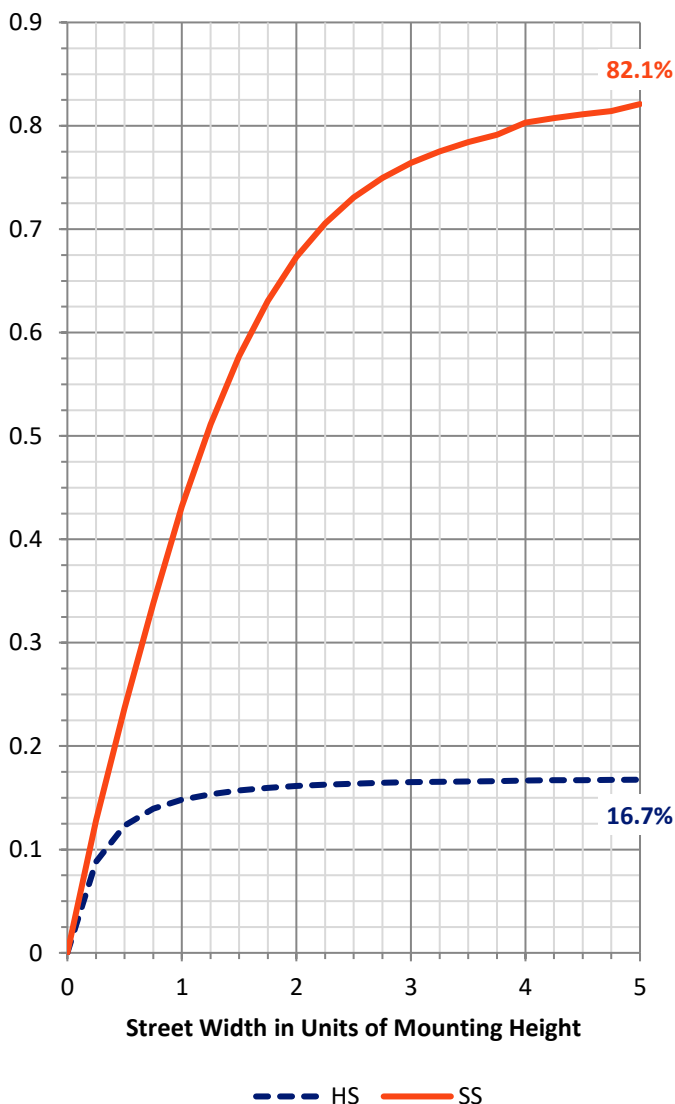
FLUX DISTRIBUTION:

| | | Downward | Upward | Total |
|--------------------|-----------|----------|--------|---------|
| House Side | Lumens | 5108.2 | 0.0 | 5108.2 |
| | % Fixture | 16.9 | 0.0 | 16.9 |
| Street Side | Lumens | 25114.0 | 0.0 | 25114.0 |
| | % Fixture | 83.1 | 0.0 | 83.1 |
| Total | Lumens | 30222.2 | 0.0 | 30222.2 |
| | % Fixture | 100.0 | 0.0 | 100.0 |

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|---------|-----------|
| 0°-10° | 716.2 | 2.4 |
| 10°-20° | 1493.6 | 4.9 |
| 20°-30° | 2149.3 | 7.1 |
| 30°-40° | 3095.5 | 10.2 |
| 40°-50° | 4348.4 | 14.4 |
| 50°-60° | 6064.5 | 20.1 |
| 60°-70° | 7210.3 | 23.9 |
| 70°-80° | 4246.5 | 14.1 |
| 80°-90° | 898.0 | 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° | 30222.2 | 100.0 |
| 0°-180° | 30222.2 | 100.0 |

Coefficient of Utilization

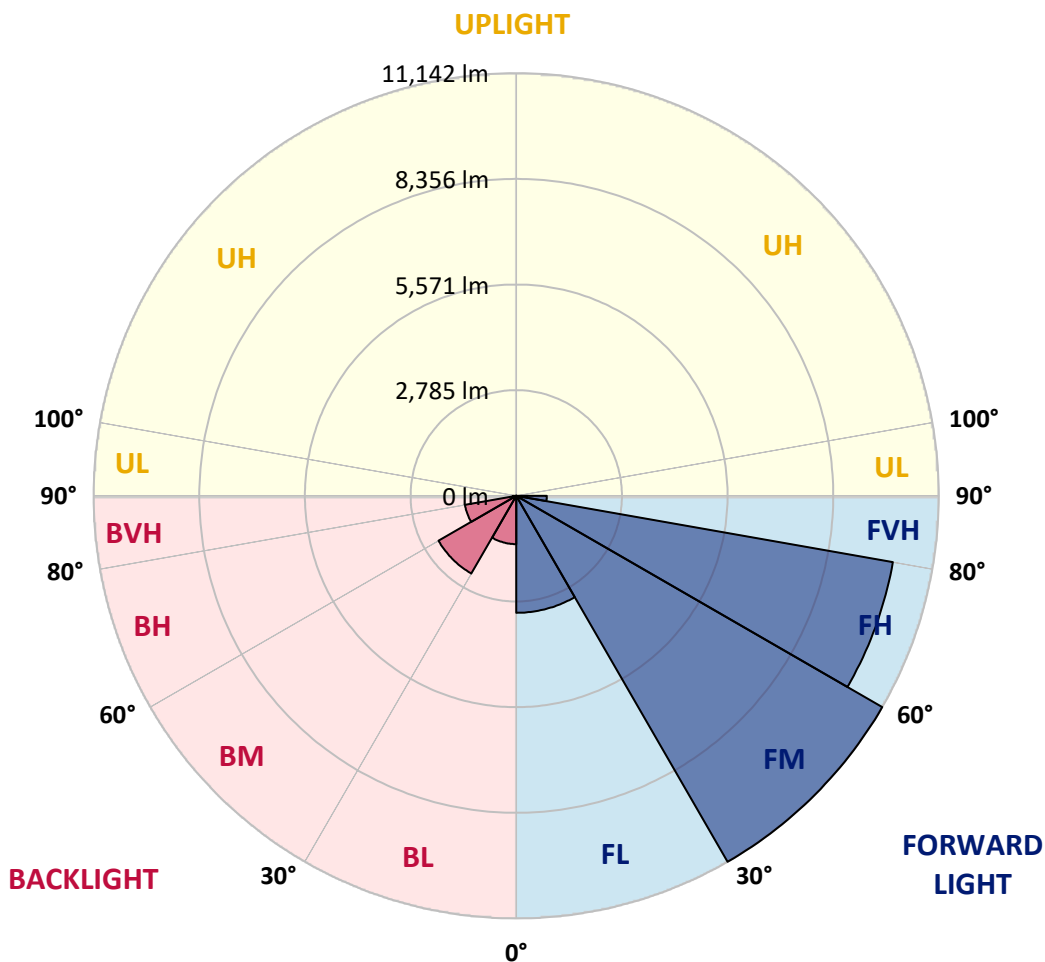


REPORT NUMBER: P652947
 CATALOG NUMBER: GLAN-SA6C-840-U-SLL

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

| Zone | Lumens | % Fixture | Zone Rating/Lumen Limit | | |
|----------------|---------|-----------|-------------------------|------|----------|
| | | | B | U | G |
| FL (0°-30°) | 3084.9 | 10.2 | | | |
| FM (30°-60°) | 11141.8 | 36.9 | | | |
| FH (60°-80°) | 10082.2 | 33.4 | | | G4/12000 |
| FVH (80°-90°) | 805.1 | 2.7 | | | G5 |
| BL (0°-30°) | 1274.1 | 4.2 | B3/2500 | | |
| BM (30°-60°) | 2366.6 | 7.8 | B2/2500 | | |
| BH (60°-80°) | 1374.5 | 4.5 | B3/2500 | | G3/2500 |
| BVH (80°-90°) | 92.9 | 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-G5
 Type III Medium





REPORT NUMBER: P652947

CATALOG NUMBER: GLAN-SA6C-840-U-SLL

CANDELA DISTRIBUTION (FULL):

| | 0° | 1° | 5° | 15° | 25° | 35° | 45° | 55° | 65° | 75° | 85° |
|-------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 0° | 9442.2 | 9442.2 | 9442.2 | 9442.2 | 9442.2 | 9442.2 | 9442.2 | 9442.2 | 9442.2 | 9442.2 | 9442.2 |
| 2.5° | 10180.6 | 10194.1 | 10281.3 | 10535.2 | 10709.6 | 10773.5 | 10818.1 | 10734.8 | 10653.4 | 10455.7 | 10157.3 |
| 5° | 10149.5 | 10229.0 | 10455.7 | 11025.5 | 11475.1 | 11669.0 | 11727.1 | 11477.0 | 11064.3 | 10556.5 | 9946.0 |
| 7.5° | 9556.5 | 9663.1 | 10011.9 | 10967.4 | 11760.0 | 12213.5 | 12153.5 | 11701.8 | 10957.6 | 10052.6 | 9199.9 |
| 10° | 8853.0 | 8971.2 | 9391.7 | 10546.8 | 11568.1 | 12192.2 | 12192.2 | 11641.8 | 10653.4 | 9577.8 | 8595.2 |
| 12.5° | 8294.8 | 8418.8 | 8899.5 | 10114.6 | 11168.9 | 11760.0 | 11858.9 | 11386.0 | 10434.4 | 9277.4 | 8197.9 |
| 15° | 8110.7 | 8230.9 | 8748.3 | 9853.0 | 10746.4 | 11106.9 | 11139.9 | 10984.8 | 10327.8 | 9298.7 | 8180.5 |
| 17.5° | 8339.4 | 8494.4 | 9017.7 | 9930.5 | 10358.8 | 10380.1 | 10405.4 | 10527.4 | 10339.4 | 9688.2 | 8533.2 |
| 20° | 9000.2 | 9166.9 | 9713.5 | 10180.6 | 10019.7 | 9798.7 | 9812.3 | 10126.2 | 10477.0 | 10331.7 | 9376.2 |
| 22.5° | 9953.7 | 10099.1 | 10659.2 | 10620.5 | 9876.3 | 9420.8 | 9325.8 | 9763.8 | 10680.5 | 11134.0 | 10273.6 |
| 25° | 10982.9 | 11153.4 | 11796.9 | 11273.6 | 9916.9 | 9196.0 | 9136.0 | 9550.6 | 10891.8 | 11884.1 | 11310.4 |
| 27.5° | 12161.2 | 12327.9 | 12835.6 | 11932.5 | 10130.1 | 9178.6 | 9106.9 | 9531.3 | 11081.7 | 12577.8 | 12300.7 |
| 30° | 13037.2 | 13190.3 | 13535.2 | 12486.7 | 10391.7 | 9294.8 | 9205.7 | 9684.4 | 11244.5 | 13052.7 | 13265.8 |
| 32.5° | 13725.2 | 13884.1 | 14072.1 | 12831.7 | 10736.7 | 9506.1 | 9341.3 | 9963.5 | 11457.7 | 13415.1 | 13981.0 |
| 35° | 14442.2 | 14630.3 | 14616.7 | 13137.9 | 11058.5 | 9750.3 | 9589.4 | 10366.6 | 11792.9 | 13731.0 | 14888.0 |
| 37.5° | 15351.2 | 15426.8 | 15329.9 | 13413.2 | 11444.1 | 10190.2 | 10101.1 | 10965.5 | 12269.7 | 14112.8 | 15948.1 |
| 40° | 16273.7 | 16424.9 | 15926.8 | 13746.5 | 11913.1 | 11017.8 | 11008.0 | 11851.1 | 12835.6 | 14560.5 | 16975.2 |
| 42.5° | 17064.4 | 17192.3 | 16484.9 | 14037.2 | 12480.9 | 12027.5 | 12101.1 | 13039.1 | 13577.9 | 15079.9 | 17800.9 |
| 45° | 17659.4 | 17773.8 | 17000.5 | 14318.2 | 13229.0 | 13194.2 | 13628.3 | 14312.4 | 14514.0 | 15547.0 | 18285.4 |
| 47.5° | 18165.3 | 18275.7 | 17359.0 | 14744.6 | 14153.5 | 14587.6 | 15343.5 | 15640.0 | 15314.4 | 15814.4 | 18828.1 |
| 50° | 18591.6 | 18624.5 | 17605.2 | 15252.4 | 15300.8 | 16295.0 | 17027.6 | 17219.5 | 16105.1 | 16198.2 | 19299.0 |
| 52.5° | 19035.4 | 18992.8 | 18029.6 | 15892.0 | 16541.1 | 17915.2 | 18448.2 | 18647.8 | 16862.9 | 16671.0 | 19985.0 |
| 55° | 20029.6 | 20070.3 | 18981.1 | 16698.1 | 17795.1 | 19506.3 | 20207.9 | 20016.1 | 17702.0 | 17541.2 | 20857.1 |
| 57.5° | 21231.2 | 21196.3 | 20320.3 | 17959.8 | 19072.2 | 20987.0 | 21510.3 | 21202.1 | 18822.3 | 18737.0 | 21740.9 |
| 60° | 21698.3 | 21744.8 | 21440.5 | 19316.4 | 20331.9 | 22283.6 | 22818.4 | 22339.7 | 20165.3 | 20126.6 | 22407.6 |
| 62.5° | 21229.3 | 21490.9 | 21696.4 | 20523.8 | 21405.6 | 23237.1 | 23768.1 | 23221.6 | 21566.5 | 21847.5 | 22874.7 |
| 65° | 20295.1 | 20351.4 | 21051.0 | 21547.1 | 21923.1 | 23394.1 | 23671.2 | 23380.5 | 22737.1 | 23415.4 | 22853.3 |
| 67.5° | 19082.0 | 19130.4 | 19950.2 | 21882.4 | 21256.4 | 21611.1 | 21804.9 | 21719.6 | 22374.6 | 23952.2 | 21801.0 |
| 70° | 17926.8 | 17888.1 | 18754.4 | 21027.7 | 18504.4 | 17965.6 | 18126.5 | 17859.1 | 19306.8 | 22640.1 | 19737.0 |
| 72.5° | 15678.8 | 15818.3 | 16748.5 | 18651.7 | 14651.6 | 13775.6 | 14126.4 | 13434.5 | 14849.3 | 19390.1 | 16019.8 |
| 75° | 12281.4 | 12314.3 | 13866.7 | 15653.5 | 11052.7 | 9670.8 | 10145.7 | 9856.9 | 11374.4 | 16174.9 | 11062.3 |
| 77.5° | 8504.1 | 8430.4 | 10099.1 | 11955.7 | 7882.0 | 7079.6 | 7087.4 | 6949.8 | 7942.1 | 11909.2 | 7515.7 |
| 80° | 5401.3 | 5288.9 | 6321.9 | 7385.8 | 5416.8 | 5794.7 | 5604.8 | 5599.0 | 5170.7 | 7347.1 | 4544.7 |
| 82.5° | 2918.7 | 3042.7 | 3994.3 | 4630.0 | 3885.8 | 4478.8 | 4104.8 | 3984.6 | 3548.5 | 4598.9 | 2907.1 |
| 85° | 1329.5 | 1445.8 | 2129.9 | 3149.3 | 2951.7 | 2984.5 | 1994.3 | 2352.8 | 2936.1 | 3734.6 | 1552.4 |
| 87.5° | 129.9 | 166.7 | 439.9 | 1486.5 | 1007.8 | 794.6 | 296.5 | 571.7 | 738.4 | 1327.5 | 124.0 |
| 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-SA6C-840-U-SLL

CANDELA DISTRIBUTION (continued):

| | 90° | 95° | 105° | 115° | 125° | 135° | 145° | 155° | 165° | 175° | 180° |
|-------|---------|---------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 9442.2 | 9442.2 | 9442.2 | 9442.2 | 9442.2 | 9442.2 | 9442.2 | 9442.2 | 9442.2 | 9442.2 | 9442.2 |
| 2.5° | 10035.1 | 9934.4 | 9591.4 | 9308.4 | 9008.0 | 8779.3 | 8480.9 | 8281.2 | 8143.7 | 7936.3 | 7911.0 |
| 5° | 9573.9 | 9327.8 | 8730.8 | 8122.3 | 7597.1 | 7201.7 | 6800.6 | 6432.4 | 6215.3 | 6147.5 | 6060.2 |
| 7.5° | 8796.8 | 8382.0 | 7614.6 | 6916.9 | 6314.1 | 5724.9 | 5271.5 | 4949.8 | 4734.7 | 4608.7 | 4457.5 |
| 10° | 8157.2 | 7676.6 | 6742.5 | 5887.8 | 5391.7 | 5025.3 | 4626.1 | 4281.1 | 4015.6 | 3788.9 | 3664.8 |
| 12.5° | 7726.9 | 7184.3 | 6133.9 | 5440.1 | 5056.3 | 4666.8 | 4199.7 | 3812.1 | 3420.6 | 3162.9 | 3052.4 |
| 15° | 7597.1 | 7023.4 | 5945.9 | 5217.2 | 4666.8 | 4157.1 | 3633.8 | 3128.0 | 2740.4 | 2496.2 | 2414.8 |
| 17.5° | 7915.0 | 7221.2 | 5943.9 | 4920.7 | 4209.5 | 3600.9 | 2930.3 | 2455.5 | 2058.2 | 1876.0 | 1817.9 |
| 20° | 8508.0 | 7601.0 | 5961.4 | 4628.0 | 3713.3 | 2856.7 | 2131.9 | 1742.3 | 1552.4 | 1474.9 | 1445.8 |
| 22.5° | 9335.5 | 8180.5 | 6013.7 | 4339.3 | 3170.7 | 2193.8 | 1597.0 | 1399.3 | 1331.5 | 1317.8 | 1312.0 |
| 25° | 10355.0 | 8897.5 | 6190.1 | 4079.6 | 2713.2 | 1674.4 | 1335.3 | 1246.2 | 1207.4 | 1193.8 | 1191.9 |
| 27.5° | 11292.9 | 9823.9 | 6403.3 | 3856.7 | 2271.4 | 1443.8 | 1207.4 | 1131.8 | 1093.0 | 1091.1 | 1095.0 |
| 30° | 12139.8 | 10599.1 | 6581.6 | 3606.7 | 1936.1 | 1282.9 | 1124.1 | 1048.5 | 1011.6 | 1009.7 | 1021.3 |
| 32.5° | 12872.4 | 11236.8 | 6713.4 | 3360.6 | 1750.0 | 1184.1 | 1048.5 | 967.1 | 936.0 | 930.2 | 936.0 |
| 35° | 13655.4 | 11872.4 | 6653.3 | 3168.7 | 1643.5 | 1102.7 | 992.3 | 912.8 | 876.0 | 858.6 | 858.6 |
| 37.5° | 14548.9 | 12527.5 | 6550.5 | 3009.8 | 1595.0 | 1034.9 | 943.9 | 866.3 | 829.5 | 812.1 | 810.1 |
| 40° | 15523.7 | 13182.5 | 6409.1 | 2868.3 | 1546.5 | 994.2 | 910.9 | 829.5 | 784.9 | 767.5 | 763.6 |
| 42.5° | 16384.2 | 13742.6 | 6292.8 | 2775.3 | 1467.1 | 1002.0 | 881.8 | 802.3 | 746.1 | 722.9 | 721.0 |
| 45° | 17132.3 | 14306.6 | 6271.5 | 2721.0 | 1401.2 | 990.4 | 874.1 | 781.0 | 715.1 | 690.0 | 686.1 |
| 47.5° | 17717.5 | 14893.9 | 6393.6 | 2690.0 | 1329.5 | 928.3 | 924.4 | 767.5 | 688.0 | 660.9 | 657.0 |
| 50° | 18430.8 | 15727.2 | 6672.7 | 2626.0 | 1263.6 | 870.2 | 976.7 | 765.6 | 666.7 | 631.8 | 622.1 |
| 52.5° | 19380.4 | 16812.5 | 7050.6 | 2511.7 | 1168.7 | 815.9 | 932.2 | 765.6 | 641.5 | 606.6 | 595.0 |
| 55° | 20816.4 | 18196.2 | 7420.7 | 2350.8 | 1034.9 | 744.2 | 841.1 | 742.3 | 604.7 | 573.6 | 565.9 |
| 57.5° | 21768.0 | 19207.9 | 7657.2 | 2128.0 | 868.2 | 691.9 | 724.9 | 705.4 | 567.8 | 534.9 | 534.9 |
| 60° | 21816.5 | 19479.2 | 7544.8 | 1846.9 | 763.6 | 643.4 | 629.8 | 711.2 | 534.9 | 500.0 | 496.1 |
| 62.5° | 21258.4 | 18814.5 | 6959.5 | 1595.0 | 707.4 | 591.1 | 569.8 | 624.0 | 502.0 | 467.1 | 461.3 |
| 65° | 20386.3 | 17118.7 | 5943.9 | 1474.9 | 676.4 | 544.5 | 513.6 | 511.7 | 467.1 | 434.1 | 426.4 |
| 67.5° | 18783.5 | 14959.7 | 4883.9 | 1405.1 | 660.9 | 492.2 | 463.2 | 453.5 | 426.4 | 399.2 | 395.4 |
| 70° | 16421.0 | 12529.4 | 3916.8 | 1376.0 | 653.1 | 438.0 | 414.8 | 403.1 | 379.9 | 358.5 | 356.6 |
| 72.5° | 12775.5 | 10163.1 | 3232.6 | 1356.6 | 649.3 | 387.6 | 362.4 | 346.9 | 333.4 | 313.9 | 313.9 |
| 75° | 9176.6 | 7476.9 | 2467.2 | 1222.9 | 600.8 | 333.4 | 306.2 | 296.5 | 277.1 | 261.6 | 265.5 |
| 77.5° | 5785.1 | 5035.0 | 1624.1 | 899.3 | 465.2 | 267.4 | 244.2 | 238.3 | 222.9 | 201.6 | 215.1 |
| 80° | 3907.1 | 3540.8 | 947.7 | 565.9 | 292.7 | 195.7 | 188.0 | 186.0 | 168.6 | 145.3 | 147.3 |
| 82.5° | 2659.0 | 2608.6 | 492.2 | 321.7 | 168.6 | 114.4 | 110.5 | 114.4 | 94.9 | 77.5 | 77.5 |
| 85° | 1038.8 | 1418.7 | 232.5 | 126.0 | 54.2 | 17.4 | 25.2 | 27.2 | 15.5 | 7.7 | 9.7 |
| 87.5° | 19.3 | 145.3 | 5.8 | 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-SA6C-840-U-SLL

CANDELA DISTRIBUTION (continued):

| | 185° | 195° | 205° | 215° | 225° | 235° | 245° | 255° | 265° | 270° | 275° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 9442.2 | 9442.2 | 9442.2 | 9442.2 | 9442.2 | 9442.2 | 9442.2 | 9442.2 | 9442.2 | 9442.2 | 9442.2 |
| 2.5° | 7872.3 | 7854.9 | 7884.0 | 7759.9 | 7785.1 | 7831.6 | 7854.9 | 7868.4 | 8060.3 | 8015.7 | 8137.9 |
| 5° | 6141.7 | 6124.2 | 6236.6 | 6252.1 | 6310.3 | 6298.6 | 6354.8 | 6368.4 | 6438.2 | 6463.3 | 6633.9 |
| 7.5° | 4467.1 | 4542.7 | 4670.7 | 4736.6 | 4835.4 | 4866.4 | 4837.3 | 4909.1 | 4763.7 | 4868.4 | 4899.3 |
| 10° | 3589.2 | 3498.1 | 3443.9 | 3595.0 | 3614.4 | 3757.8 | 3699.7 | 3653.2 | 3738.5 | 3742.4 | 3823.8 |
| 12.5° | 2988.5 | 2792.7 | 2662.9 | 2705.5 | 2752.0 | 2814.1 | 2823.7 | 2916.8 | 2978.7 | 3036.9 | 3085.4 |
| 15° | 2343.1 | 2275.2 | 2157.0 | 2098.9 | 2164.8 | 2190.0 | 2250.1 | 2327.6 | 2393.5 | 2410.9 | 2476.8 |
| 17.5° | 1798.5 | 1810.2 | 1790.7 | 1755.8 | 1796.5 | 1816.0 | 1819.8 | 1821.8 | 1839.2 | 1827.6 | 1924.5 |
| 20° | 1447.7 | 1488.4 | 1536.8 | 1544.6 | 1558.2 | 1567.9 | 1550.5 | 1484.5 | 1486.5 | 1527.2 | 1558.2 |
| 22.5° | 1310.1 | 1317.8 | 1372.1 | 1389.6 | 1432.2 | 1414.7 | 1364.4 | 1333.4 | 1329.5 | 1339.2 | 1354.7 |
| 25° | 1201.6 | 1213.2 | 1252.0 | 1279.1 | 1312.0 | 1281.0 | 1244.3 | 1215.2 | 1211.3 | 1221.0 | 1236.4 |
| 27.5° | 1104.7 | 1122.1 | 1157.0 | 1184.1 | 1215.2 | 1186.1 | 1151.2 | 1126.0 | 1124.1 | 1122.1 | 1131.8 |
| 30° | 1027.2 | 1046.5 | 1071.8 | 1102.7 | 1124.1 | 1098.9 | 1065.9 | 1052.3 | 1050.4 | 1046.5 | 1050.4 |
| 32.5° | 949.7 | 980.6 | 1005.8 | 1021.3 | 1042.7 | 1023.2 | 998.1 | 990.4 | 976.7 | 965.1 | 959.3 |
| 35° | 862.4 | 895.4 | 934.1 | 953.5 | 974.8 | 955.5 | 938.1 | 905.1 | 881.8 | 879.9 | 883.7 |
| 37.5° | 812.1 | 825.6 | 856.6 | 889.5 | 910.9 | 901.2 | 868.2 | 835.3 | 829.5 | 829.5 | 833.3 |
| 40° | 767.5 | 773.3 | 786.8 | 829.5 | 868.2 | 839.1 | 798.4 | 788.8 | 788.8 | 786.8 | 788.8 |
| 42.5° | 722.9 | 728.7 | 728.7 | 761.6 | 823.7 | 777.2 | 746.1 | 746.1 | 746.1 | 748.1 | 753.9 |
| 45° | 682.2 | 684.2 | 682.2 | 705.4 | 763.6 | 724.9 | 703.5 | 709.3 | 713.2 | 717.0 | 721.0 |
| 47.5° | 647.3 | 649.3 | 647.3 | 666.7 | 695.8 | 680.3 | 668.6 | 676.4 | 684.2 | 690.0 | 693.8 |
| 50° | 616.3 | 614.4 | 618.2 | 629.8 | 643.4 | 647.3 | 639.6 | 651.2 | 655.1 | 662.8 | 672.5 |
| 52.5° | 589.2 | 587.2 | 591.1 | 596.9 | 616.3 | 616.3 | 616.3 | 626.0 | 633.8 | 641.5 | 655.1 |
| 55° | 558.2 | 560.1 | 565.9 | 573.6 | 598.9 | 595.0 | 596.9 | 604.7 | 612.4 | 624.0 | 631.8 |
| 57.5° | 529.1 | 532.9 | 540.7 | 552.4 | 577.5 | 575.6 | 577.5 | 581.4 | 591.1 | 596.9 | 604.7 |
| 60° | 496.1 | 503.9 | 513.6 | 521.3 | 546.6 | 544.5 | 554.3 | 562.0 | 567.8 | 567.8 | 571.7 |
| 62.5° | 463.2 | 474.8 | 484.5 | 490.3 | 517.5 | 519.4 | 532.9 | 538.7 | 542.6 | 538.7 | 544.5 |
| 65° | 430.3 | 447.7 | 451.5 | 459.4 | 486.4 | 488.4 | 503.9 | 517.5 | 513.6 | 509.7 | 519.4 |
| 67.5° | 397.3 | 418.6 | 416.7 | 426.4 | 453.5 | 457.3 | 471.0 | 494.2 | 486.4 | 482.6 | 490.3 |
| 70° | 360.5 | 376.0 | 377.9 | 383.7 | 420.6 | 414.8 | 436.1 | 457.3 | 451.5 | 453.5 | 453.5 |
| 72.5° | 319.7 | 333.4 | 333.4 | 345.0 | 383.7 | 374.1 | 391.5 | 414.8 | 414.8 | 412.8 | 412.8 |
| 75° | 271.3 | 279.0 | 286.9 | 304.3 | 345.0 | 333.4 | 345.0 | 366.3 | 370.1 | 366.3 | 366.3 |
| 77.5° | 219.0 | 230.6 | 234.5 | 257.8 | 286.9 | 284.9 | 296.5 | 306.2 | 313.9 | 310.1 | 310.1 |
| 80° | 155.1 | 166.7 | 182.2 | 207.4 | 224.8 | 230.6 | 236.4 | 244.2 | 248.1 | 248.1 | 252.0 |
| 82.5° | 87.2 | 104.6 | 118.2 | 143.4 | 151.1 | 180.2 | 178.3 | 184.1 | 178.3 | 157.0 | 174.4 |
| 85° | 19.3 | 36.8 | 52.3 | 65.9 | 75.6 | 104.6 | 110.5 | 124.0 | 102.7 | 94.9 | 94.9 |
| 87.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 15.5 | 31.0 | 42.6 | 36.8 | 31.0 | 31.0 |
| 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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