

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: P531561

Luminaire Tested: **GLAN-SA6D-760-U-SL3-GRSBK**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P531561
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-19)
Test Lab: INNOVATION CENTER
Issue Date: 5/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SA6D-760-U-SL3-GRSBK
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(6) 70 CRI, 5700K, 1200mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III
SPILL LIGHT ELIMINATOR OPTICS WITH BLACK GLARE REDUCTION SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 26827 lumens
Efficiency: N/A
Efficacy: 72.9 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type II - Short
BUG Rating: B3 - U0 - G2

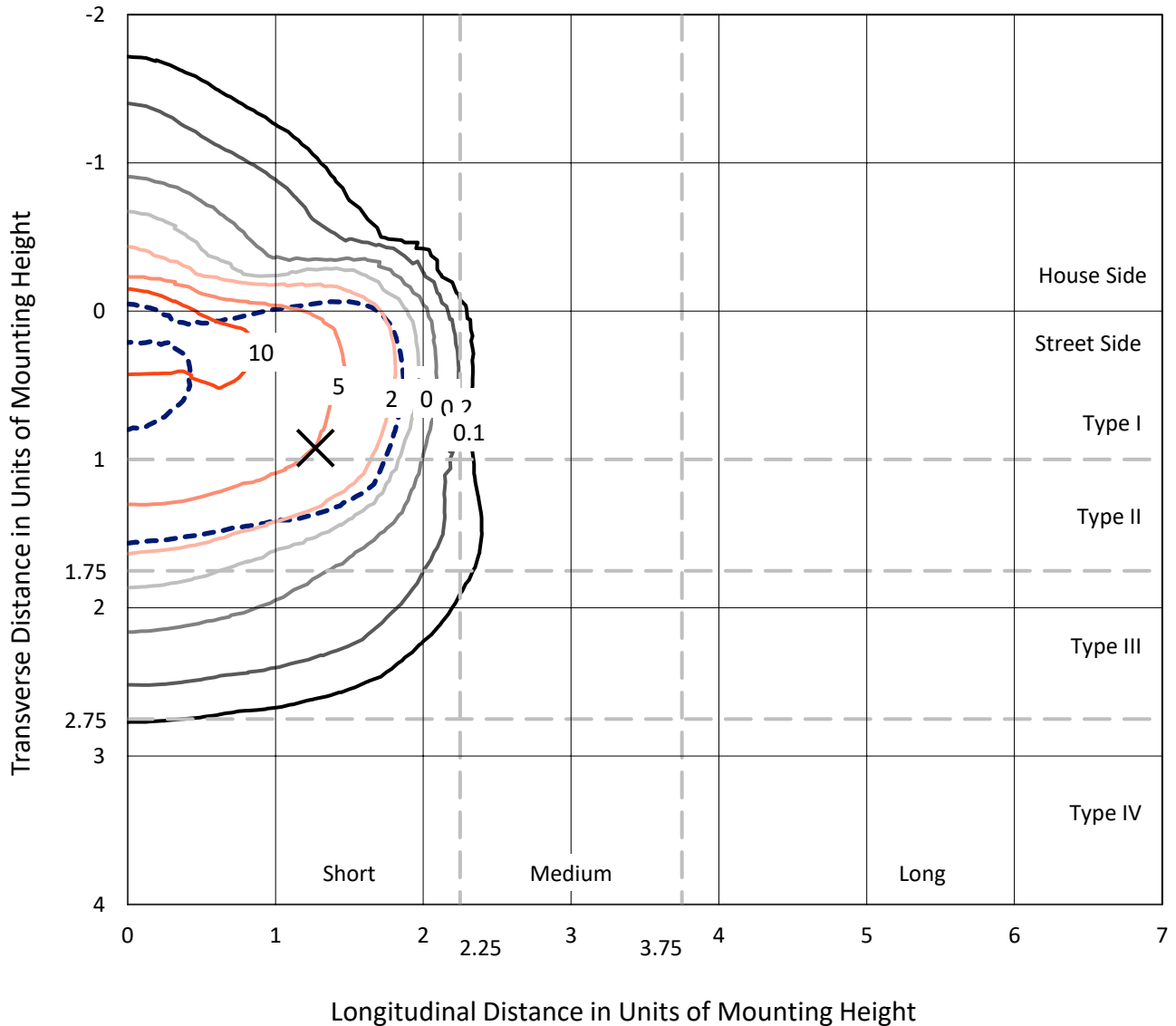
Input Watts (W): 368
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

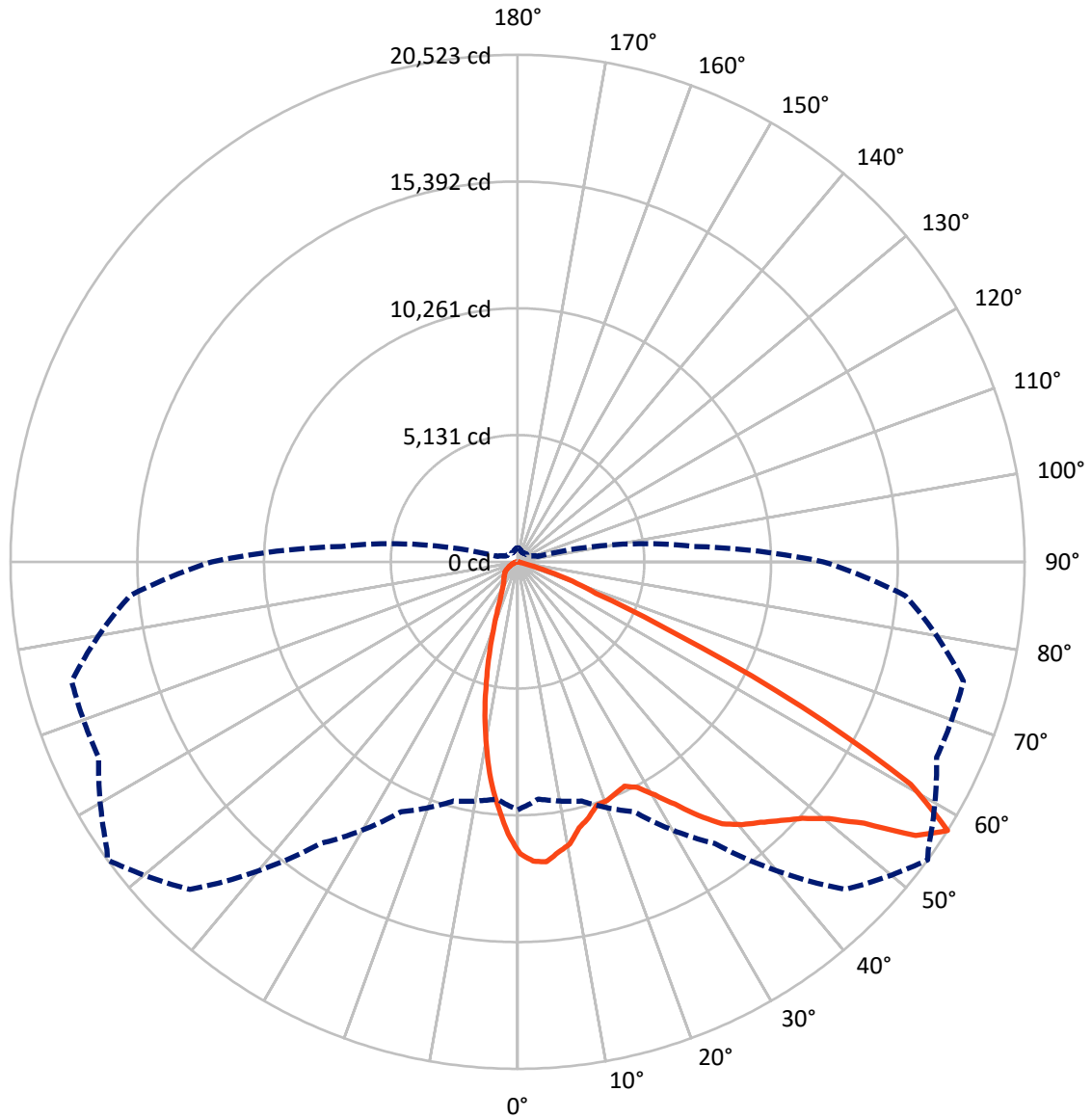
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 18.9 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 54-Deg Lateral - - - Horizontal Cone Through 57.5-Deg Vertical

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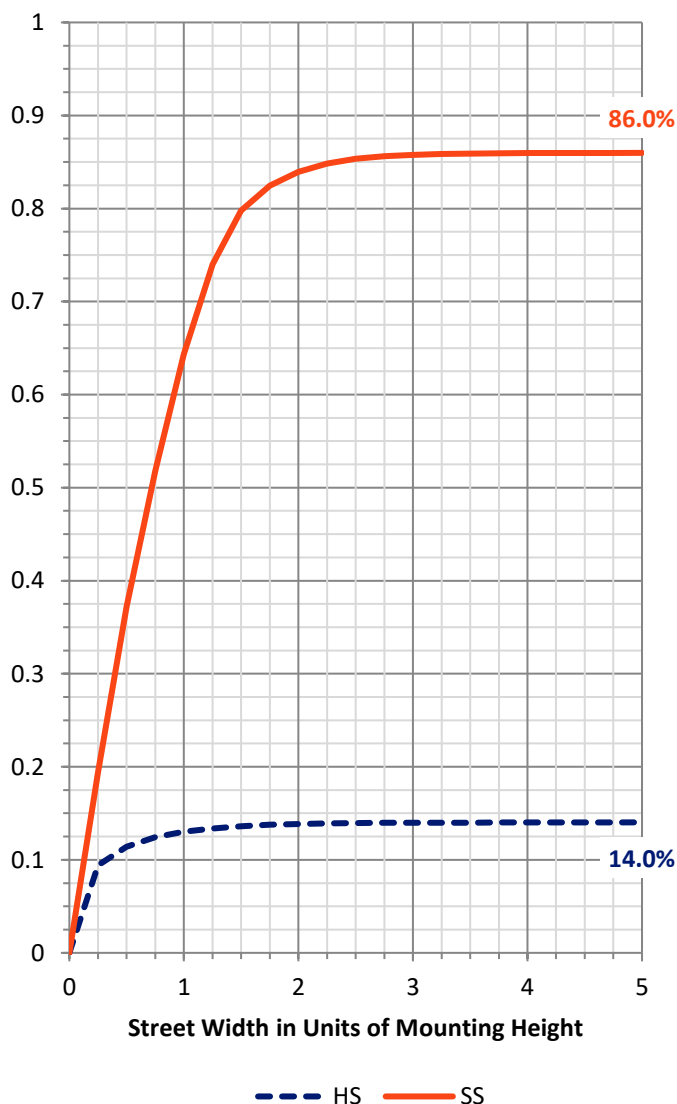
FLUX DISTRIBUTION:

| | | Downward | Upward | Total |
|--------------------|-----------|----------|--------|---------|
| House Side | Lumens | 3791.1 | 0.0 | 3791.1 |
| | % Fixture | 14.1 | 0.0 | 14.1 |
| Street Side | Lumens | 23035.9 | 0.0 | 23035.9 |
| | % Fixture | 85.9 | 0.0 | 85.9 |
| Total | Lumens | 26827.0 | 0.0 | 26827.0 |
| | % Fixture | 100.0 | 0.0 | 100.0 |

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|---------|-----------|
| 0°-10° | 988.9 | 3.7 |
| 10°-20° | 2111.3 | 7.9 |
| 20°-30° | 2797.9 | 10.4 |
| 30°-40° | 4066.2 | 15.2 |
| 40°-50° | 6029.6 | 22.5 |
| 50°-60° | 7539.8 | 28.1 |
| 60°-70° | 2974.1 | 11.1 |
| 70°-80° | 296.1 | 1.1 |
| 80°-90° | 23.0 | 0.1 |
| 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° | 26827.0 | 100.0 |
| 0°-180° | 26827.0 | 100.0 |

Coefficient of Utilization



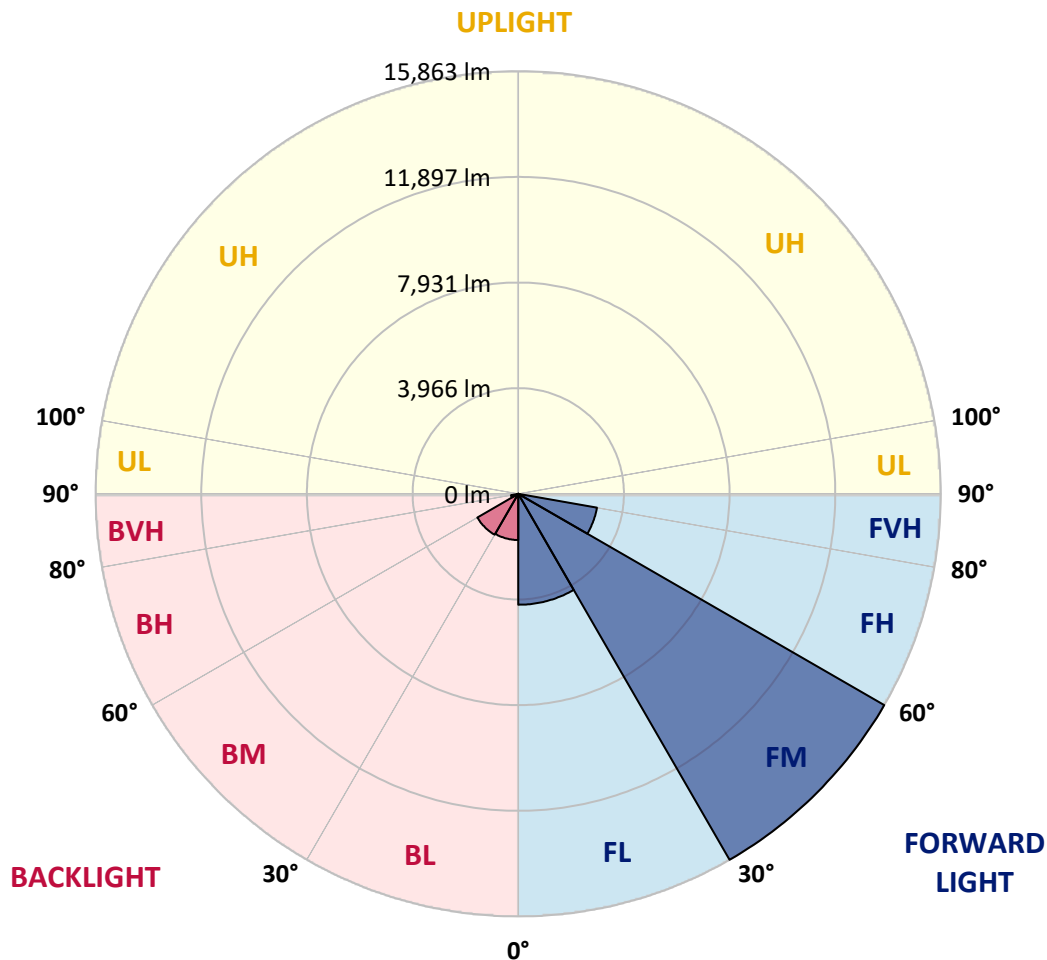
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

| Zone | Lumens | % Fixture | Zone Rating/Lumen Limit | | |
|----------------|---------|-----------|-------------------------|------|---------|
| | | | B | U | G |
| FL (0°-30°) | 4164.3 | 15.5 | | | |
| FM (30°-60°) | 15862.7 | 59.1 | | | |
| FH (60°-80°) | 2998.4 | 11.2 | | | G2/5000 |
| FVH (80°-90°) | 10.5 | 0.0 | | | G1/100 |
| BL (0°-30°) | 1733.9 | 6.5 | B3/2500 | | |
| BM (30°-60°) | 1772.8 | 6.6 | B2/2500 | | |
| BH (60°-80°) | 271.8 | 1.0 | B1/500 | | G1/500 |
| BVH (80°-90°) | 12.6 | 0.0 | | | G1/100 |
| UL (90°-100°) | 0.0 | 0.0 | | U0/0 | |
| UH (100°-180°) | 0.0 | 0.0 | | U0/0 | |

BUG Rating: B3-U0-G2

Type II Short





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CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 15° | 25° | 35° | 45° | 54° | 55° | 65° | 75° | 85° |
|-------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 0° | 11817.7 | 11817.7 | 11817.7 | 11817.7 | 11817.7 | 11817.7 | 11817.7 | 11817.7 | 11817.7 | 11817.7 | 11817.7 |
| 2.5° | 12506.1 | 12376.4 | 12386.3 | 12341.4 | 12281.6 | 12326.5 | 12131.9 | 12176.8 | 12171.8 | 11907.4 | 11732.9 |
| 5° | 12191.8 | 12331.5 | 12186.8 | 12306.5 | 12191.8 | 12316.5 | 12196.8 | 12107.0 | 11962.3 | 11767.8 | 11443.5 |
| 7.5° | 11658.0 | 11523.3 | 11563.2 | 11712.9 | 11737.8 | 12017.2 | 11867.5 | 11982.3 | 11922.4 | 11538.3 | 11094.3 |
| 10° | 10585.5 | 10555.6 | 10755.1 | 10954.7 | 11199.1 | 11498.4 | 11613.1 | 11548.3 | 11503.4 | 11358.7 | 10765.1 |
| 12.5° | 9762.4 | 9847.2 | 9842.2 | 10171.5 | 10585.5 | 10755.1 | 11054.4 | 11044.4 | 11293.9 | 11024.5 | 10455.8 |
| 15° | 8979.2 | 9024.1 | 9233.6 | 9438.2 | 9897.1 | 10381.0 | 10750.1 | 10800.0 | 11099.3 | 10909.8 | 10216.4 |
| 17.5° | 8500.3 | 8435.5 | 8600.1 | 8844.5 | 9313.4 | 9947.0 | 10356.0 | 10475.8 | 10884.8 | 10844.9 | 9942.0 |
| 20° | 8026.4 | 8026.4 | 8161.1 | 8450.4 | 8879.5 | 9592.8 | 10321.1 | 10286.2 | 10884.8 | 10770.1 | 9647.7 |
| 22.5° | 7866.8 | 7946.6 | 7981.5 | 8201.0 | 8709.8 | 9323.4 | 10171.5 | 10236.3 | 10969.6 | 10735.2 | 9518.0 |
| 25° | 8086.3 | 7981.5 | 7991.5 | 8166.1 | 8645.0 | 9193.7 | 10061.7 | 10206.4 | 11124.3 | 10909.8 | 9413.2 |
| 27.5° | 8121.2 | 8226.0 | 8255.9 | 8375.6 | 8694.9 | 9233.6 | 10336.1 | 10630.4 | 11508.4 | 11318.8 | 9443.1 |
| 30° | 8425.5 | 8530.3 | 8525.3 | 8729.8 | 8949.3 | 9557.9 | 10949.7 | 11009.5 | 12301.5 | 11832.6 | 9627.7 |
| 32.5° | 8794.6 | 8904.4 | 8939.3 | 9178.8 | 9353.4 | 10151.5 | 11697.9 | 11852.6 | 13064.8 | 12640.8 | 10111.6 |
| 35° | 9253.6 | 9213.7 | 9373.3 | 9612.8 | 9986.9 | 11019.5 | 12610.8 | 12870.2 | 13887.9 | 13688.3 | 10610.4 |
| 37.5° | 9827.3 | 9777.4 | 9932.0 | 10321.1 | 10829.9 | 12047.1 | 13453.9 | 13623.5 | 14486.5 | 14661.1 | 11533.3 |
| 40° | 10231.3 | 10251.3 | 10720.2 | 11244.0 | 11782.7 | 13024.9 | 13987.6 | 14152.3 | 14905.5 | 15569.0 | 12231.7 |
| 42.5° | 10904.8 | 11029.5 | 11593.2 | 12231.7 | 12795.4 | 13758.2 | 14421.6 | 14581.3 | 15100.1 | 16297.3 | 13174.5 |
| 45° | 11882.5 | 11827.6 | 12451.2 | 13164.5 | 13788.1 | 14521.4 | 14935.4 | 14880.6 | 15214.8 | 17020.6 | 13768.1 |
| 47.5° | 13139.6 | 13149.6 | 13563.6 | 14172.2 | 14820.7 | 15184.9 | 15509.1 | 15314.6 | 15454.2 | 17783.8 | 14561.3 |
| 50° | 13997.6 | 14072.4 | 14406.7 | 15030.2 | 15354.5 | 15913.2 | 16327.2 | 16207.5 | 16162.6 | 18242.8 | 15060.2 |
| 52.5° | 14217.1 | 14441.6 | 14621.2 | 15399.4 | 16157.6 | 17040.6 | 17569.3 | 17823.8 | 17025.6 | 18397.4 | 15693.7 |
| 55° | 12560.9 | 12760.5 | 13394.0 | 14461.5 | 16461.9 | 18826.4 | 19554.8 | 19559.7 | 18153.0 | 19085.8 | 16137.7 |
| 57.5° | 10041.8 | 9637.7 | 10026.8 | 11159.2 | 13917.8 | 18751.6 | 20522.5 | 20288.1 | 18716.7 | 18681.8 | 15753.5 |
| 60° | 6943.9 | 6844.2 | 6869.1 | 7318.1 | 9632.7 | 14915.5 | 18287.7 | 18592.0 | 17235.1 | 16192.5 | 12471.1 |
| 62.5° | 5502.3 | 5417.5 | 5307.7 | 5257.8 | 5981.2 | 9293.5 | 12900.1 | 13329.2 | 12052.1 | 10500.7 | 7392.9 |
| 65° | 4310.0 | 4260.1 | 4275.1 | 4474.6 | 4469.7 | 5272.8 | 7053.7 | 6879.1 | 5507.3 | 4070.6 | 2324.6 |
| 67.5° | 2908.3 | 2983.1 | 3043.0 | 3646.6 | 3955.8 | 3671.5 | 3407.1 | 3307.3 | 1790.9 | 753.3 | 513.8 |
| 70° | 1636.2 | 1646.2 | 1711.0 | 2279.7 | 3003.1 | 2848.4 | 2349.6 | 2349.6 | 892.9 | 274.4 | 294.3 |
| 72.5° | 892.9 | 863.0 | 803.1 | 982.7 | 1336.9 | 1356.9 | 1047.6 | 912.9 | 264.4 | 179.6 | 164.6 |
| 75° | 434.0 | 429.0 | 369.1 | 304.3 | 289.3 | 239.4 | 184.6 | 169.6 | 119.7 | 114.7 | 99.8 |
| 77.5° | 89.8 | 84.8 | 44.9 | 44.9 | 49.9 | 54.9 | 69.8 | 69.8 | 84.8 | 84.8 | 69.8 |
| 80° | 0.0 | 0.0 | 5.0 | 20.0 | 34.9 | 49.9 | 59.9 | 59.9 | 69.8 | 69.8 | 54.9 |
| 82.5° | 0.0 | 0.0 | 5.0 | 15.0 | 29.9 | 44.9 | 54.9 | 59.9 | 69.8 | 74.8 | 59.9 |
| 85° | 0.0 | 0.0 | 0.0 | 10.0 | 24.9 | 34.9 | 29.9 | 29.9 | 24.9 | 20.0 | 10.0 |
| 87.5° | 0.0 | 0.0 | 0.0 | 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-SA6D-760-U-SL3-GRSBK

CANDELA DISTRIBUTION (continued):

| | 90° | 95° | 105° | 115° | 125° | 135° | 145° | 155° | 165° | 175° | 180° |
|-------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 0° | 11817.7 | 11817.7 | 11817.7 | 11817.7 | 11817.7 | 11817.7 | 11817.7 | 11817.7 | 11817.7 | 11817.7 | 11817.7 |
| 2.5° | 11643.1 | 11633.1 | 11403.6 | 11273.9 | 11039.5 | 10834.9 | 10670.3 | 10550.6 | 10550.6 | 10475.8 | 10405.9 |
| 5° | 11313.8 | 11229.0 | 10740.1 | 10425.9 | 9981.9 | 9652.7 | 9428.2 | 9253.6 | 8979.2 | 9054.0 | 8759.7 |
| 7.5° | 10904.8 | 10690.3 | 10041.8 | 9562.9 | 8949.3 | 8480.4 | 8001.5 | 7577.5 | 7168.4 | 6983.8 | 7083.6 |
| 10° | 10465.8 | 10091.6 | 9218.7 | 8460.4 | 7697.2 | 6839.2 | 6280.5 | 5602.0 | 5183.0 | 5158.1 | 5048.3 |
| 12.5° | 10001.9 | 9577.8 | 8515.3 | 7467.7 | 6465.0 | 5432.4 | 4579.4 | 3945.9 | 3661.5 | 3347.3 | 3407.1 |
| 15° | 9652.7 | 9024.1 | 7732.1 | 6470.0 | 5138.1 | 4095.5 | 3237.5 | 2748.6 | 2479.3 | 2404.4 | 2379.5 |
| 17.5° | 9273.5 | 8600.1 | 6934.0 | 5407.5 | 4030.7 | 2948.2 | 2329.6 | 2095.2 | 1990.4 | 1990.4 | 1975.4 |
| 20° | 8879.5 | 8121.2 | 6140.8 | 4419.8 | 3023.0 | 2199.9 | 1865.7 | 1790.9 | 1785.9 | 1780.9 | 1780.9 |
| 22.5° | 8620.1 | 7572.5 | 5422.5 | 3511.9 | 2279.7 | 1760.9 | 1621.2 | 1591.3 | 1611.3 | 1671.1 | 1671.1 |
| 25° | 8345.7 | 7043.7 | 4629.3 | 2708.7 | 1765.9 | 1511.5 | 1431.7 | 1451.6 | 1501.5 | 1556.4 | 1536.4 |
| 27.5° | 8066.3 | 6699.5 | 3881.0 | 2125.1 | 1446.7 | 1321.9 | 1292.0 | 1336.9 | 1391.8 | 1441.7 | 1426.7 |
| 30° | 8001.5 | 6330.4 | 3172.7 | 1611.3 | 1242.1 | 1152.3 | 1172.3 | 1212.2 | 1267.1 | 1287.0 | 1307.0 |
| 32.5° | 8101.3 | 6041.0 | 2599.0 | 1321.9 | 1082.5 | 1057.6 | 1057.6 | 1077.5 | 1112.4 | 1157.3 | 1142.4 |
| 35° | 8385.6 | 5876.4 | 2055.2 | 1147.3 | 992.7 | 967.8 | 962.8 | 982.7 | 1002.7 | 1017.6 | 1002.7 |
| 37.5° | 8819.6 | 5746.7 | 1681.1 | 1017.6 | 932.8 | 892.9 | 883.0 | 878.0 | 897.9 | 902.9 | 912.9 |
| 40° | 9373.3 | 5816.5 | 1426.7 | 937.8 | 873.0 | 828.1 | 798.2 | 798.2 | 798.2 | 813.1 | 818.1 |
| 42.5° | 9971.9 | 5911.3 | 1232.1 | 892.9 | 818.1 | 763.2 | 733.3 | 723.3 | 733.3 | 753.3 | 748.3 |
| 45° | 10600.5 | 6095.9 | 1107.4 | 823.1 | 768.2 | 698.4 | 658.5 | 648.5 | 673.4 | 713.3 | 708.4 |
| 47.5° | 11189.1 | 6360.3 | 1012.7 | 778.2 | 718.3 | 653.5 | 603.6 | 593.6 | 638.5 | 693.4 | 698.4 |
| 50° | 11777.7 | 6819.2 | 977.7 | 743.3 | 683.4 | 608.6 | 563.7 | 553.7 | 603.6 | 673.4 | 688.4 |
| 52.5° | 12456.2 | 7313.1 | 952.8 | 698.4 | 643.5 | 573.7 | 523.8 | 513.8 | 568.7 | 658.5 | 663.5 |
| 55° | 12900.1 | 7732.1 | 932.8 | 618.6 | 568.7 | 518.8 | 478.9 | 473.9 | 533.8 | 613.6 | 633.5 |
| 57.5° | 12381.4 | 7148.5 | 863.0 | 538.8 | 483.9 | 458.9 | 424.0 | 424.0 | 473.9 | 548.7 | 563.7 |
| 60° | 9388.3 | 4704.1 | 613.6 | 434.0 | 409.1 | 394.1 | 379.1 | 379.1 | 419.0 | 473.9 | 478.9 |
| 62.5° | 5497.3 | 2534.1 | 394.1 | 349.2 | 349.2 | 334.2 | 309.3 | 309.3 | 349.2 | 379.1 | 384.1 |
| 65° | 1631.2 | 813.1 | 319.3 | 299.3 | 294.3 | 269.4 | 244.4 | 239.4 | 269.4 | 284.3 | 279.4 |
| 67.5° | 468.9 | 374.1 | 264.4 | 249.4 | 244.4 | 204.5 | 189.6 | 184.6 | 189.6 | 179.6 | 174.6 |
| 70° | 279.4 | 254.4 | 204.5 | 209.5 | 184.6 | 149.7 | 134.7 | 129.7 | 119.7 | 104.8 | 94.8 |
| 72.5° | 154.6 | 154.6 | 149.7 | 159.6 | 129.7 | 99.8 | 84.8 | 69.8 | 54.9 | 44.9 | 39.9 |
| 75° | 94.8 | 99.8 | 104.8 | 109.7 | 84.8 | 64.8 | 54.9 | 34.9 | 20.0 | 10.0 | 10.0 |
| 77.5° | 64.8 | 69.8 | 74.8 | 79.8 | 69.8 | 59.9 | 44.9 | 24.9 | 5.0 | 0.0 | 0.0 |
| 80° | 49.9 | 54.9 | 64.8 | 69.8 | 74.8 | 79.8 | 59.9 | 24.9 | 5.0 | 0.0 | 0.0 |
| 82.5° | 54.9 | 59.9 | 74.8 | 69.8 | 69.8 | 69.8 | 54.9 | 24.9 | 5.0 | 0.0 | 0.0 |
| 85° | 10.0 | 15.0 | 24.9 | 24.9 | 34.9 | 44.9 | 34.9 | 10.0 | 0.0 | 0.0 | 0.0 |
| 87.5° | 0.0 | 0.0 | 0.0 | 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 |

(END OF REPORT)