

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: P531285

Luminaire Tested: **GLAN-SA6C-740-U-T3-GRSBK**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P531285
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-15)
Test Lab: INNOVATION CENTER
Issue Date: 5/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SA6C-740-U-T3-GRSBK
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(6) 70 CRI, 4000K, 1050mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III OPTICS WITH BLACK GLARE REDUCTION SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 24896 lumens
Efficiency: N/A
Efficacy: 77.6 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type II - Short
BUG Rating: B3 - U0 - G2

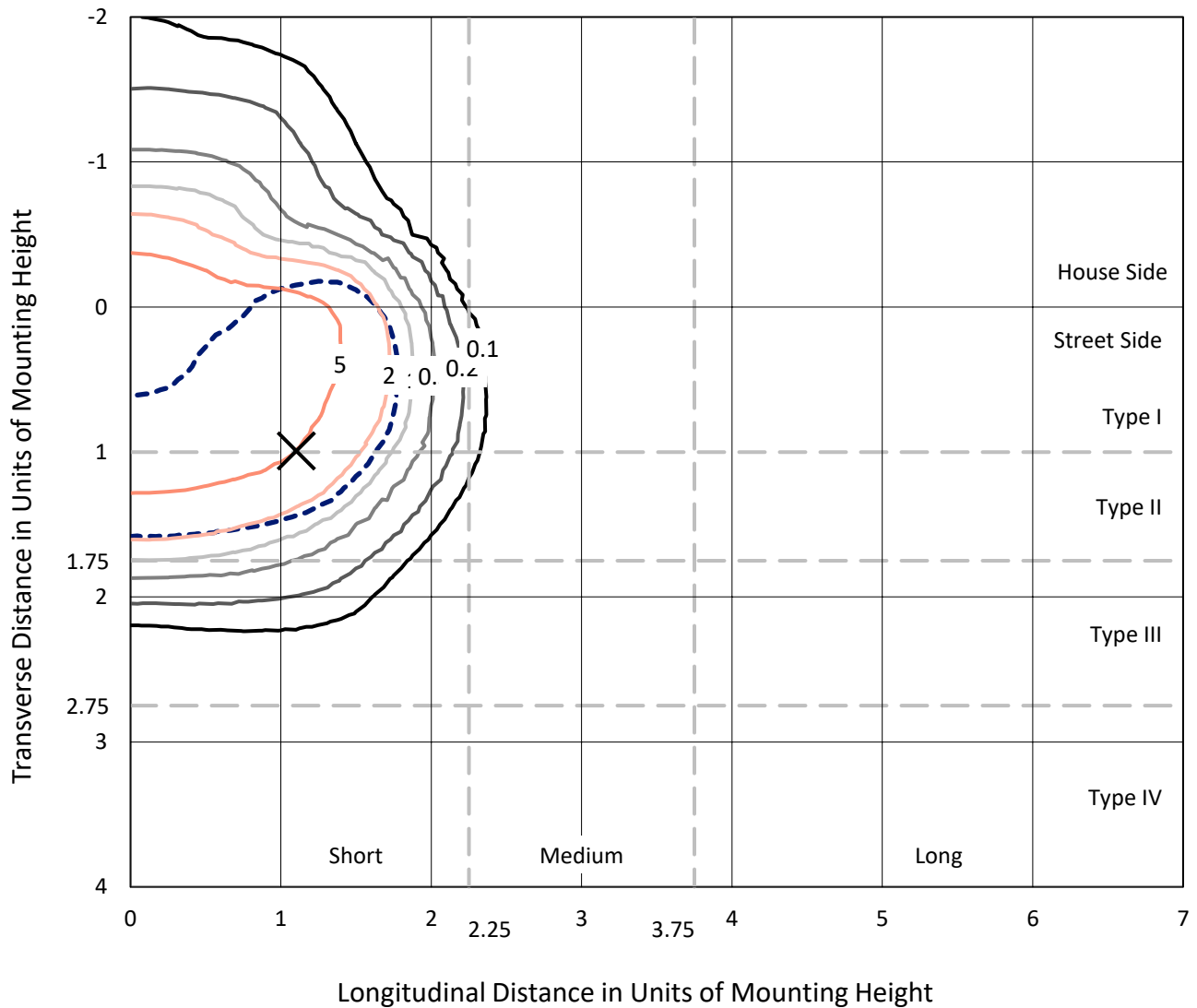
Input Watts (W): 321
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

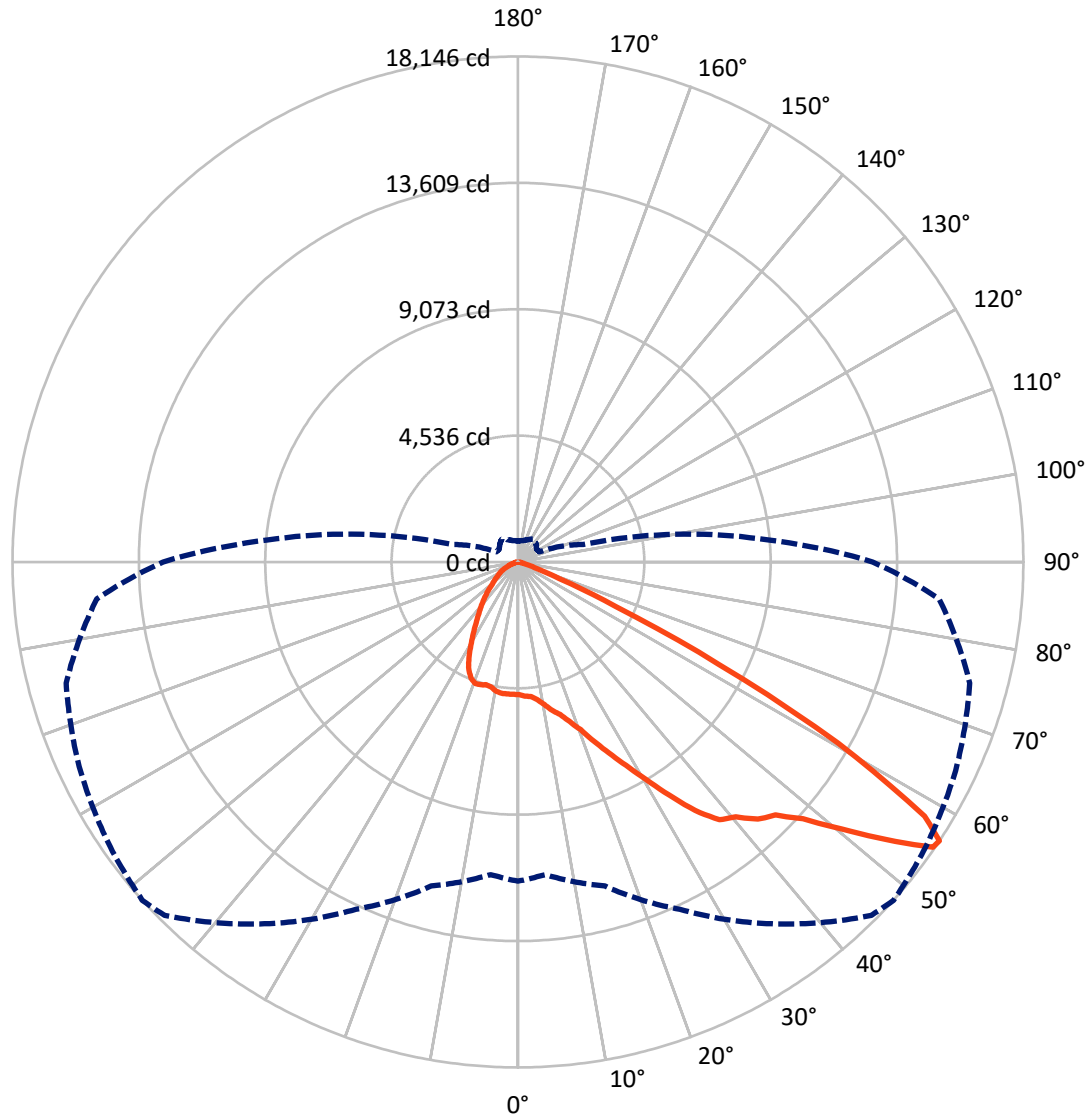
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 9.9 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 48-Deg Lateral - - - Horizontal Cone Through 56-Deg Vertical

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FLUX DISTRIBUTION:

| | | Downward | Upward | Total |
|--------------------|-----------|----------|--------|---------|
| House Side | Lumens | 5414.4 | 0.0 | 5414.4 |
| | % Fixture | 21.7 | 0.0 | 21.7 |
| Street Side | Lumens | 19481.6 | 0.0 | 19481.6 |
| | % Fixture | 78.3 | 0.0 | 78.3 |
| Total | Lumens | 24896.0 | 0.0 | 24896.0 |
| | % Fixture | 100.0 | 0.0 | 100.0 |

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|---------|-----------|
| 0°-10° | 463.2 | 1.9 |
| 10°-20° | 1480.3 | 5.9 |
| 20°-30° | 2685.0 | 10.8 |
| 30°-40° | 4217.6 | 16.9 |
| 40°-50° | 6152.7 | 24.7 |
| 50°-60° | 7412.8 | 29.8 |
| 60°-70° | 2170.4 | 8.7 |
| 70°-80° | 275.3 | 1.1 |
| 80°-90° | 38.6 | 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° | 24896.0 | 100.0 |
| 0°-180° | 24896.0 | 100.0 |

Coefficient of Utilization

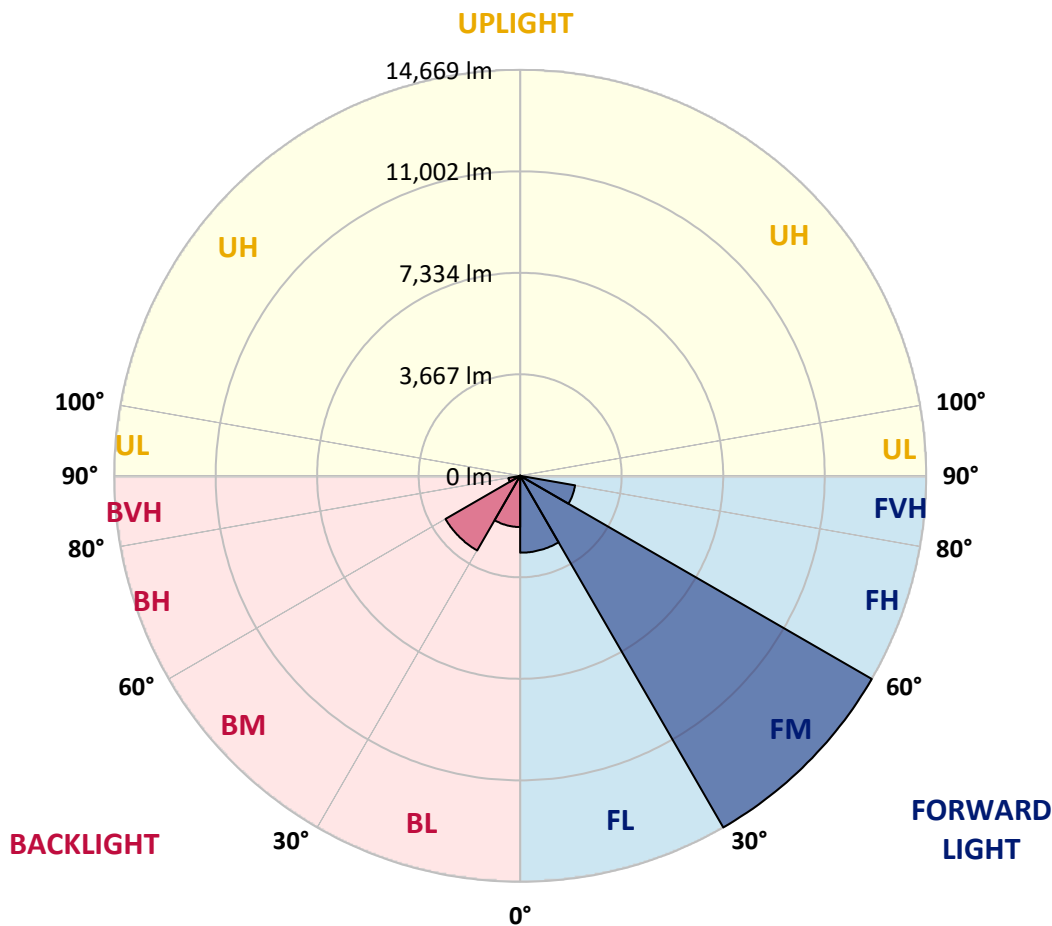


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

| Zone | Lumens | % Fixture | Zone Rating/Lumen Limit | | |
|----------------|---------|-----------|-------------------------|------|---------|
| | | | B | U | G |
| FL (0°-30°) | 2777.9 | 11.2 | | | |
| FM (30°-60°) | 14668.8 | 58.9 | | | |
| FH (60°-80°) | 2015.5 | 8.1 | | | G2/5000 |
| FVH (80°-90°) | 19.4 | 0.1 | | | G1/100 |
| BL (0°-30°) | 1850.6 | 7.4 | B3/2500 | | |
| BM (30°-60°) | 3114.3 | 12.5 | B3/5000 | | |
| BH (60°-80°) | 430.2 | 1.7 | B1/500 | | G1/500 |
| BVH (80°-90°) | 19.2 | 0.1 | | | 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° | 48° | 55° | 65° | 75° | 85° |
|-------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 0° | 4755.1 | 4755.1 | 4755.1 | 4755.1 | 4755.1 | 4755.1 | 4755.1 | 4755.1 | 4755.1 | 4755.1 | 4755.1 |
| 2.5° | 4841.3 | 4818.6 | 4818.6 | 4782.3 | 4823.1 | 4805.0 | 4818.6 | 4773.3 | 4818.6 | 4750.6 | 4805.0 |
| 5° | 4863.9 | 4868.5 | 4850.3 | 4873.0 | 4873.0 | 4900.2 | 4854.9 | 4895.7 | 4918.3 | 4868.5 | 4845.8 |
| 7.5° | 4981.8 | 4990.9 | 4986.3 | 4968.2 | 5004.5 | 4999.9 | 4995.4 | 4963.7 | 4972.7 | 4954.6 | 4927.4 |
| 10° | 5213.0 | 5208.4 | 5231.1 | 5185.8 | 5158.6 | 5190.3 | 5199.4 | 5149.5 | 5113.3 | 5099.7 | 5013.5 |
| 12.5° | 5548.4 | 5494.0 | 5462.3 | 5417.0 | 5430.6 | 5385.2 | 5466.8 | 5380.7 | 5362.6 | 5281.0 | 5194.9 |
| 15° | 5820.4 | 5811.3 | 5815.9 | 5743.3 | 5661.8 | 5679.9 | 5679.9 | 5634.6 | 5607.4 | 5507.6 | 5385.2 |
| 17.5° | 6378.0 | 6187.6 | 6228.4 | 6137.7 | 6069.7 | 6065.2 | 6024.4 | 6033.5 | 5960.9 | 5752.4 | 5566.6 |
| 20° | 6813.1 | 6731.5 | 6668.1 | 6514.0 | 6409.7 | 6441.4 | 6423.3 | 6378.0 | 6355.3 | 6083.3 | 5820.4 |
| 22.5° | 7203.0 | 7230.2 | 7125.9 | 7085.1 | 6940.1 | 6953.7 | 6989.9 | 6949.1 | 6776.9 | 6495.8 | 6106.0 |
| 25° | 7751.5 | 7719.7 | 7579.2 | 7529.4 | 7393.4 | 7443.2 | 7583.8 | 7552.0 | 7443.2 | 6935.5 | 6328.1 |
| 27.5° | 8399.7 | 8290.9 | 8318.1 | 8091.5 | 7960.0 | 8100.5 | 8268.2 | 8426.9 | 8118.7 | 7452.3 | 6591.0 |
| 30° | 8857.5 | 8744.2 | 8735.1 | 8726.1 | 8694.3 | 8857.5 | 9052.5 | 9197.5 | 8948.2 | 7969.1 | 7026.2 |
| 32.5° | 9084.2 | 9111.4 | 9188.4 | 9161.3 | 9437.8 | 9773.2 | 9977.2 | 10185.7 | 9872.9 | 8812.2 | 7601.9 |
| 35° | 9687.1 | 9514.8 | 9687.1 | 9705.2 | 9990.8 | 10702.5 | 10960.9 | 11459.5 | 11382.4 | 10004.4 | 8304.5 |
| 37.5° | 10040.7 | 10027.1 | 10049.7 | 10222.0 | 10498.5 | 11377.9 | 11745.1 | 12130.4 | 11985.3 | 10720.6 | 9179.4 |
| 40° | 10625.4 | 10661.7 | 10657.1 | 10788.6 | 11092.3 | 11885.6 | 12035.2 | 12348.0 | 12361.6 | 11713.3 | 10466.8 |
| 42.5° | 11563.8 | 11418.7 | 11323.5 | 11459.5 | 11885.6 | 12325.3 | 12624.5 | 12561.0 | 13009.8 | 12919.1 | 12121.3 |
| 45° | 12406.9 | 12493.0 | 12352.5 | 12579.2 | 12733.3 | 12969.0 | 12959.9 | 13095.9 | 13667.1 | 14097.7 | 13367.9 |
| 47.5° | 13195.6 | 13250.0 | 13318.0 | 13472.2 | 13807.6 | 13843.9 | 13766.8 | 13707.9 | 14496.6 | 14940.9 | 14333.4 |
| 50° | 13667.1 | 13716.9 | 14034.3 | 14310.8 | 14936.3 | 15017.9 | 15063.3 | 14913.7 | 15448.6 | 15498.4 | 15244.6 |
| 52.5° | 13540.2 | 13594.6 | 14038.8 | 14949.9 | 15947.2 | 16695.1 | 16559.2 | 16305.3 | 16273.6 | 16468.5 | 16087.7 |
| 55° | 12416.0 | 12366.1 | 12978.1 | 14396.9 | 16264.5 | 18059.6 | 18077.7 | 17810.3 | 17298.0 | 17166.6 | 15960.8 |
| 56° | 11459.5 | 11264.6 | 12044.3 | 13757.7 | 15856.5 | 17941.7 | 18145.7 | 17860.1 | 17379.6 | 16790.3 | 15176.6 |
| 57.5° | 9387.9 | 9573.8 | 10348.9 | 11767.7 | 14446.8 | 17094.1 | 17211.9 | 17143.9 | 16781.3 | 15793.1 | 13354.3 |
| 60° | 5176.7 | 5503.1 | 6187.6 | 7923.7 | 10285.4 | 13118.6 | 13213.8 | 13766.8 | 13834.8 | 12094.1 | 9188.4 |
| 62.5° | 2198.5 | 2162.3 | 2873.9 | 4152.3 | 5856.7 | 7919.2 | 8096.0 | 8662.6 | 8766.9 | 6971.8 | 4610.1 |
| 65° | 893.0 | 942.9 | 1301.0 | 2089.7 | 3096.1 | 3608.3 | 3857.6 | 4043.5 | 4388.0 | 2878.5 | 1699.9 |
| 67.5° | 589.3 | 584.8 | 766.1 | 1192.2 | 1668.2 | 1609.2 | 1609.2 | 1699.9 | 1573.0 | 1174.1 | 734.4 |
| 70° | 421.6 | 435.2 | 548.5 | 825.0 | 1038.1 | 770.6 | 738.9 | 707.2 | 802.3 | 775.1 | 593.8 |
| 72.5° | 276.5 | 294.6 | 367.2 | 494.1 | 539.4 | 421.6 | 421.6 | 507.7 | 661.8 | 625.6 | 485.0 |
| 75° | 181.3 | 185.9 | 226.7 | 285.6 | 267.4 | 217.6 | 240.3 | 340.0 | 480.5 | 462.4 | 344.5 |
| 77.5° | 122.4 | 126.9 | 154.1 | 185.9 | 149.6 | 122.4 | 131.5 | 172.3 | 235.7 | 235.7 | 181.3 |
| 80° | 45.3 | 49.9 | 63.5 | 58.9 | 68.0 | 86.1 | 95.2 | 117.9 | 140.5 | 140.5 | 122.4 |
| 82.5° | 0.0 | 4.5 | 13.6 | 31.7 | 49.9 | 68.0 | 77.1 | 90.7 | 104.3 | 117.9 | 113.3 |
| 85° | 0.0 | 4.5 | 13.6 | 22.7 | 36.3 | 40.8 | 45.3 | 31.7 | 27.2 | 27.2 | 22.7 |
| 87.5° | 0.0 | 0.0 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 9.1 | 4.5 | 4.5 |
| 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-740-U-T3-GRSBK

CANDELA DISTRIBUTION (continued):

| | 90° | 95° | 105° | 115° | 125° | 135° | 145° | 155° | 165° | 175° | 180° |
|-------|---------|---------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 4755.1 | 4755.1 | 4755.1 | 4755.1 | 4755.1 | 4755.1 | 4755.1 | 4755.1 | 4755.1 | 4755.1 | 4755.1 |
| 2.5° | 4755.1 | 4750.6 | 4750.6 | 4737.0 | 4764.2 | 4750.6 | 4759.7 | 4755.1 | 4696.2 | 4741.5 | 4709.8 |
| 5° | 4805.0 | 4836.7 | 4786.9 | 4777.8 | 4741.5 | 4755.1 | 4755.1 | 4709.8 | 4750.6 | 4746.1 | 4737.0 |
| 7.5° | 4931.9 | 4877.5 | 4823.1 | 4768.7 | 4759.7 | 4746.1 | 4696.2 | 4678.1 | 4709.8 | 4673.6 | 4727.9 |
| 10° | 4986.3 | 4995.4 | 4913.8 | 4841.3 | 4773.3 | 4678.1 | 4610.1 | 4569.3 | 4519.4 | 4573.8 | 4605.6 |
| 12.5° | 5235.6 | 5145.0 | 5004.5 | 4891.1 | 4660.0 | 4564.8 | 4496.8 | 4478.6 | 4564.8 | 4582.9 | 4551.2 |
| 15° | 5321.8 | 5308.2 | 5126.9 | 4873.0 | 4632.8 | 4519.4 | 4533.0 | 4496.8 | 4505.8 | 4460.5 | 4469.6 |
| 17.5° | 5498.6 | 5344.4 | 5131.4 | 4814.1 | 4628.2 | 4601.0 | 4519.4 | 4374.4 | 4292.8 | 4256.5 | 4288.2 |
| 20° | 5693.5 | 5543.9 | 5235.6 | 4836.7 | 4669.0 | 4596.5 | 4329.0 | 4152.3 | 3984.5 | 3893.9 | 3898.4 |
| 22.5° | 5865.7 | 5679.9 | 5190.3 | 4845.8 | 4705.3 | 4406.1 | 4084.3 | 3735.2 | 3526.7 | 3386.2 | 3390.7 |
| 25° | 6074.3 | 5811.3 | 5208.4 | 4863.9 | 4610.1 | 4102.4 | 3640.0 | 3300.0 | 3050.7 | 2955.5 | 2987.3 |
| 27.5° | 6192.1 | 5892.9 | 5308.2 | 4904.7 | 4360.8 | 3671.8 | 3173.1 | 2855.8 | 2710.8 | 2665.4 | 2660.9 |
| 30° | 6545.7 | 6074.3 | 5430.6 | 4823.1 | 3943.7 | 3209.4 | 2747.0 | 2552.1 | 2411.6 | 2370.8 | 2379.8 |
| 32.5° | 7071.5 | 6405.2 | 5589.2 | 4610.1 | 3517.6 | 2796.9 | 2470.5 | 2325.4 | 2194.0 | 2116.9 | 2107.9 |
| 35° | 7511.2 | 6971.8 | 5756.9 | 4279.2 | 3023.5 | 2479.6 | 2275.6 | 2094.3 | 1894.8 | 1808.7 | 1786.0 |
| 37.5° | 8349.8 | 7611.0 | 5720.7 | 3780.5 | 2552.1 | 2243.8 | 2067.1 | 1844.9 | 1672.7 | 1554.8 | 1541.2 |
| 40° | 9465.0 | 8358.9 | 5543.9 | 3173.1 | 2203.1 | 2035.3 | 1844.9 | 1631.9 | 1418.8 | 1319.1 | 1310.0 |
| 42.5° | 10820.3 | 9274.6 | 5222.0 | 2556.6 | 1854.0 | 1826.8 | 1654.6 | 1409.8 | 1219.4 | 1146.9 | 1151.4 |
| 45° | 11921.9 | 10058.8 | 4895.7 | 2053.5 | 1595.6 | 1622.8 | 1473.2 | 1242.0 | 1110.6 | 1051.7 | 1051.7 |
| 47.5° | 12901.0 | 10589.2 | 4542.1 | 1695.4 | 1355.4 | 1418.8 | 1287.4 | 1151.4 | 1038.1 | 992.7 | 983.7 |
| 50° | 13843.9 | 11128.6 | 4188.5 | 1373.5 | 1155.9 | 1219.4 | 1205.8 | 1097.0 | 1006.3 | 951.9 | 956.5 |
| 52.5° | 14433.2 | 11214.7 | 3739.7 | 1124.2 | 1010.9 | 1083.4 | 1128.7 | 1029.0 | 929.3 | 897.5 | 888.5 |
| 55° | 13712.4 | 10104.1 | 2901.1 | 924.7 | 856.7 | 951.9 | 1038.1 | 924.7 | 847.7 | 793.3 | 788.7 |
| 56° | 12742.3 | 9034.3 | 2425.2 | 852.2 | 811.4 | 915.7 | 1006.3 | 883.9 | 797.8 | 766.1 | 743.4 |
| 57.5° | 10788.6 | 7393.4 | 1790.5 | 757.0 | 752.5 | 852.2 | 956.5 | 843.1 | 743.4 | 716.2 | 716.2 |
| 60° | 6727.0 | 4161.3 | 1083.4 | 634.6 | 652.8 | 757.0 | 861.3 | 752.5 | 661.8 | 661.8 | 675.4 |
| 62.5° | 3064.3 | 1731.6 | 657.3 | 539.4 | 562.1 | 652.8 | 766.1 | 680.0 | 630.1 | 680.0 | 689.0 |
| 65° | 1042.6 | 747.9 | 476.0 | 430.6 | 444.2 | 539.4 | 657.3 | 689.0 | 684.5 | 716.2 | 734.4 |
| 67.5° | 584.8 | 480.5 | 398.9 | 358.1 | 349.0 | 398.9 | 539.4 | 689.0 | 661.8 | 648.2 | 657.3 |
| 70° | 494.1 | 408.0 | 353.6 | 317.3 | 303.7 | 321.8 | 417.0 | 521.3 | 466.9 | 453.3 | 444.2 |
| 72.5° | 398.9 | 340.0 | 308.2 | 285.6 | 244.8 | 208.5 | 190.4 | 199.5 | 222.1 | 235.7 | 258.4 |
| 75° | 281.0 | 258.4 | 258.4 | 231.2 | 176.8 | 131.5 | 104.3 | 86.1 | 58.9 | 40.8 | 45.3 |
| 77.5° | 158.7 | 158.7 | 163.2 | 140.5 | 113.3 | 86.1 | 63.5 | 45.3 | 22.7 | 9.1 | 4.5 |
| 80° | 108.8 | 117.9 | 126.9 | 113.3 | 95.2 | 77.1 | 54.4 | 31.7 | 13.6 | 0.0 | 0.0 |
| 82.5° | 108.8 | 122.4 | 131.5 | 113.3 | 95.2 | 72.5 | 54.4 | 31.7 | 13.6 | 4.5 | 0.0 |
| 85° | 22.7 | 27.2 | 31.7 | 36.3 | 54.4 | 54.4 | 40.8 | 27.2 | 13.6 | 4.5 | 0.0 |
| 87.5° | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 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)