

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: P530976

Luminaire Tested: **GLAN-SA6B-727-U-T3R-GRSWH**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P530976
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-12)
Test Lab: INNOVATION CENTER
Issue Date: 5/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SA6B-727-U-T3R-GRSWH
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(6) 70 CRI, 2700K, 800mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III
ROADWAY OPTICS WITH WHITE GLARE REDUCTION SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 24633 lumens
Efficiency: N/A
Efficacy: 101.4 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type II - Short
BUG Rating: B3 - U0 - G3

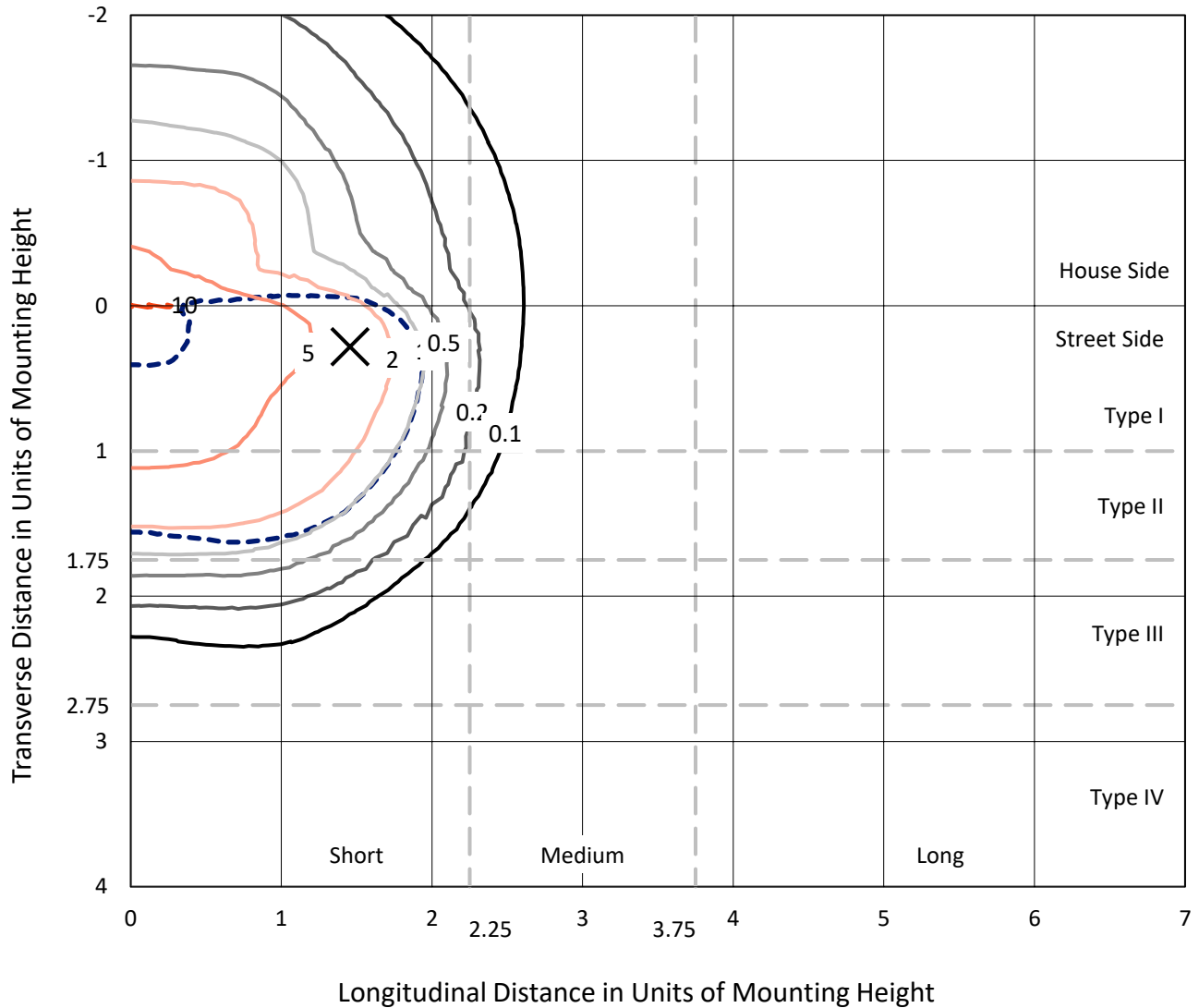
Input Watts (W): 243
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P530976
 CATALOG NUMBER: GLAN-SA6B-727-U-T3R-GRSWH

Iso-Footcandle Lines of Horizontal Illumination

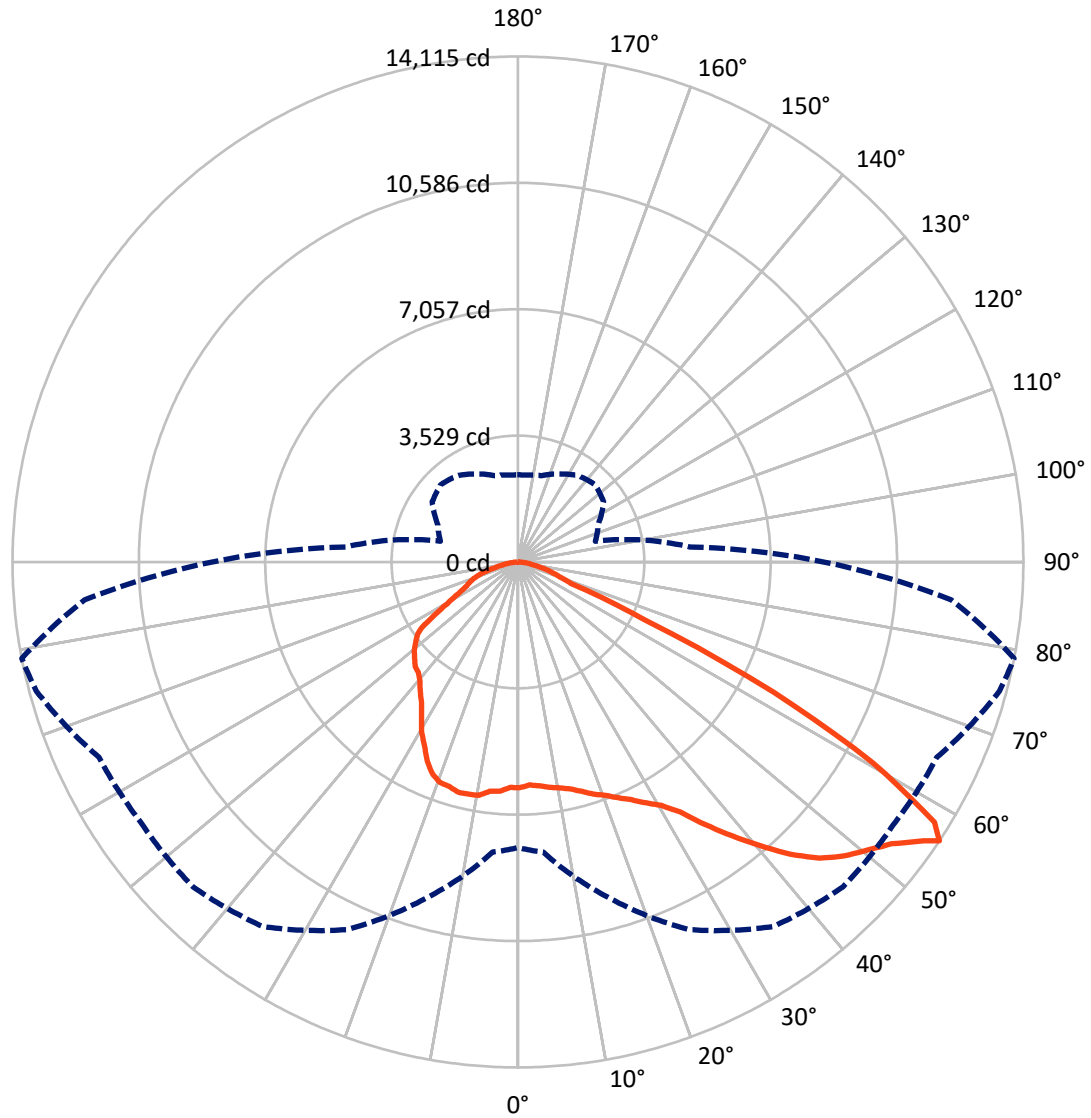
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 10.1 fc
 Type II - Short - N/A

REPORT NUMBER: P530976
CATALOG NUMBER: GLAN-SA6B-727-U-T3R-GRSWH

Luminous Intensity Polar Plot



— Vertical Plane Through 79-Deg Lateral - - - Horizontal Cone Through 56-Deg Vertical

REPORT NUMBER: P530976
 CATALOG NUMBER: GLAN-SA6B-727-U-T3R-GRSWH

FLUX DISTRIBUTION:

| | | Downward | Upward | Total |
|--------------------|-----------|----------|--------|---------|
| House Side | Lumens | 7274.7 | 0.0 | 7274.7 |
| | % Fixture | 29.5 | 0.0 | 29.5 |
| Street Side | Lumens | 17358.3 | 0.0 | 17358.3 |
| | % Fixture | 70.5 | 0.0 | 70.5 |
| Total | Lumens | 24633.0 | 0.0 | 24633.0 |
| | % Fixture | 100.0 | 0.0 | 100.0 |

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|---------|-----------|
| 0°-10° | 573.0 | 2.3 |
| 10°-20° | 1568.2 | 6.4 |
| 20°-30° | 2682.9 | 10.9 |
| 30°-40° | 4111.9 | 16.7 |
| 40°-50° | 5557.2 | 22.6 |
| 50°-60° | 6382.6 | 25.9 |
| 60°-70° | 2909.4 | 11.8 |
| 70°-80° | 717.3 | 2.9 |
| 80°-90° | 130.4 | 0.5 |
| 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° | 24633.0 | 100.0 |
| 0°-180° | 24633.0 | 100.0 |

Coefficient of Utilization



REPORT NUMBER: P530976

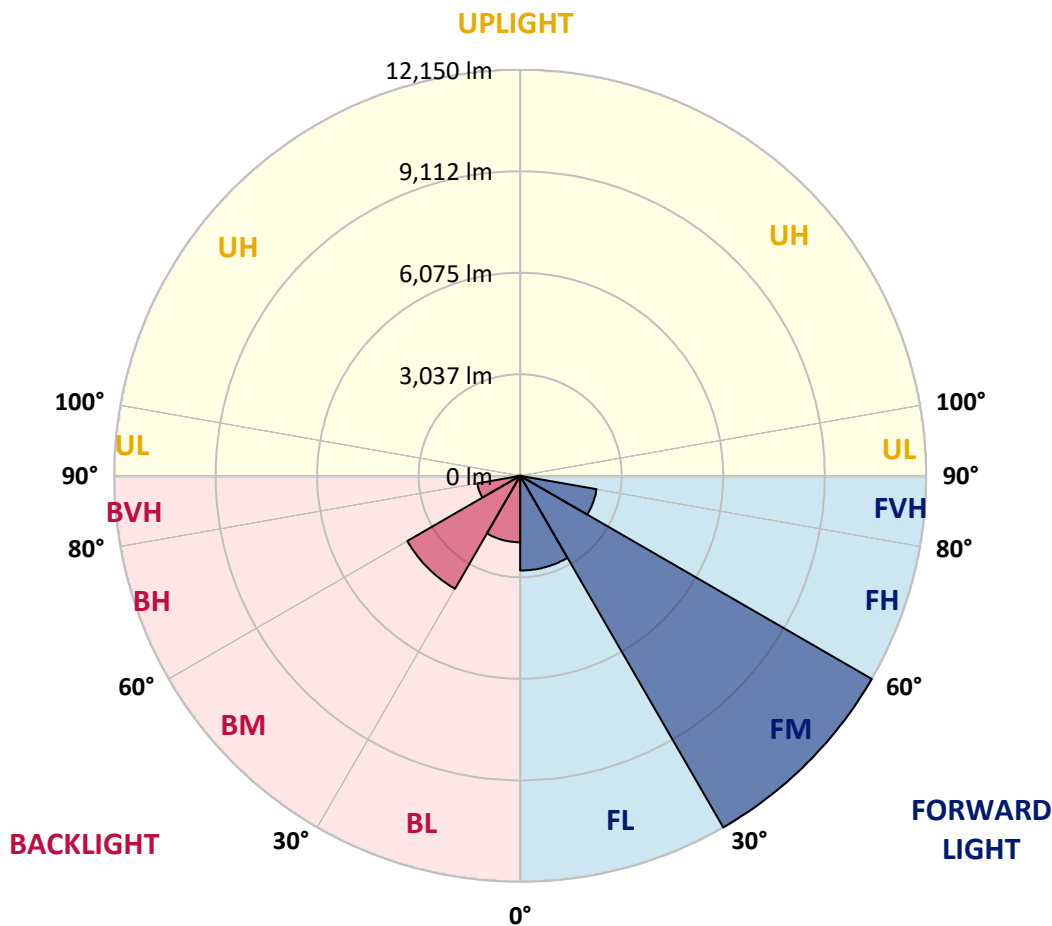
CATALOG NUMBER: GLAN-SA6B-727-U-T3R-GRSWH

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

| Zone | Lumens | % Fixture | Zone Rating/Lumen Limit | | |
|----------------|---------|-----------|-------------------------|------|---------|
| | | | B | U | G |
| FL (0°-30°) | 2834.2 | 11.5 | | | |
| FM (30°-60°) | 12149.7 | 49.3 | | | |
| FH (60°-80°) | 2322.3 | 9.4 | | | G2/5000 |
| FVH (80°-90°) | 52.1 | 0.2 | | | G1/100 |
| BL (0°-30°) | 1989.9 | 8.1 | B3/2500 | | |
| BM (30°-60°) | 3902.0 | 15.8 | B3/5000 | | |
| BH (60°-80°) | 1304.4 | 5.3 | B3/2500 | | G3/2500 |
| BVH (80°-90°) | 78.3 | 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-G3

Type II Short





REPORT NUMBER: P530976

CATALOG NUMBER: GLAN-SA6B-727-U-T3R-GRSWH

CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 15° | 25° | 35° | 45° | 55° | 65° | 75° | 79° | 85° |
|-------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 0° | 6302.6 | 6302.6 | 6302.6 | 6302.6 | 6302.6 | 6302.6 | 6302.6 | 6302.6 | 6302.6 | 6302.6 | 6302.6 |
| 2.5° | 5995.8 | 5980.4 | 6017.2 | 6044.9 | 6078.6 | 6121.6 | 6143.0 | 6155.3 | 6262.7 | 6235.1 | 6318.0 |
| 5° | 5866.9 | 5827.0 | 5854.6 | 5876.1 | 5934.4 | 5986.6 | 6044.9 | 6136.9 | 6235.1 | 6278.1 | 6379.3 |
| 7.5° | 5753.4 | 5731.9 | 5725.7 | 5741.1 | 5820.9 | 5888.4 | 5989.6 | 6124.6 | 6284.2 | 6354.8 | 6413.1 |
| 10° | 5566.2 | 5535.5 | 5581.5 | 5682.8 | 5704.3 | 5845.4 | 5962.0 | 6155.3 | 6293.4 | 6416.1 | 6588.0 |
| 12.5° | 5483.3 | 5452.6 | 5461.9 | 5520.2 | 5670.5 | 5805.5 | 5943.6 | 6161.5 | 6453.0 | 6502.1 | 6732.2 |
| 15° | 5615.3 | 5584.6 | 5593.8 | 5578.5 | 5722.7 | 5793.2 | 6011.1 | 6284.2 | 6563.4 | 6646.3 | 6891.8 |
| 17.5° | 5916.0 | 5919.1 | 5879.2 | 5845.4 | 5811.7 | 5962.0 | 6112.4 | 6357.8 | 6606.4 | 6815.0 | 6999.1 |
| 20° | 6489.8 | 6388.5 | 6308.7 | 6118.5 | 6066.3 | 6130.8 | 6321.0 | 6557.3 | 6781.3 | 6953.1 | 7161.8 |
| 22.5° | 6931.6 | 6940.8 | 6827.3 | 6514.3 | 6400.8 | 6428.4 | 6591.0 | 6784.4 | 7029.8 | 7152.6 | 7391.9 |
| 25° | 7573.0 | 7508.5 | 7385.8 | 7137.2 | 6882.5 | 6904.0 | 7023.7 | 7198.6 | 7266.1 | 7352.0 | 7612.8 |
| 27.5° | 8159.0 | 8177.4 | 7935.0 | 7701.8 | 7385.8 | 7324.4 | 7539.2 | 7569.9 | 7456.3 | 7619.0 | 7708.0 |
| 30° | 8754.3 | 8739.0 | 8579.4 | 8306.3 | 7996.4 | 8008.7 | 8103.8 | 7953.4 | 7796.9 | 7885.9 | 7947.3 |
| 32.5° | 9371.1 | 9196.2 | 9190.0 | 8944.6 | 8708.3 | 8594.7 | 8478.1 | 8551.8 | 8309.4 | 8327.8 | 8269.5 |
| 35° | 9865.1 | 9889.6 | 9748.5 | 9573.6 | 9457.0 | 9257.5 | 8938.4 | 9070.4 | 9024.3 | 9002.9 | 8751.2 |
| 37.5° | 10224.1 | 10129.0 | 10199.5 | 10141.2 | 10030.8 | 9782.2 | 9450.8 | 9576.7 | 9598.1 | 9702.5 | 9411.0 |
| 40° | 10518.7 | 10478.8 | 10666.0 | 10696.6 | 10619.9 | 10082.9 | 9487.7 | 9862.0 | 10184.2 | 10411.3 | 10064.5 |
| 42.5° | 10659.8 | 10745.7 | 10942.1 | 11178.4 | 11006.6 | 10432.8 | 9677.9 | 10079.9 | 10797.9 | 11156.9 | 10684.4 |
| 45° | 10850.1 | 10739.6 | 11031.1 | 11463.8 | 11466.8 | 10727.3 | 9862.0 | 10374.5 | 11276.6 | 11798.2 | 11107.8 |
| 47.5° | 10656.7 | 10712.0 | 11012.7 | 11561.9 | 11703.1 | 11037.2 | 10359.1 | 10791.8 | 11804.4 | 12267.7 | 11500.6 |
| 50° | 10224.1 | 10334.6 | 10883.8 | 11454.5 | 11881.1 | 11365.6 | 10929.8 | 11242.8 | 12292.2 | 12645.1 | 11565.0 |
| 52.5° | 9773.0 | 9834.4 | 10693.6 | 11537.4 | 11960.8 | 11789.0 | 11693.9 | 11865.7 | 12887.5 | 13071.6 | 11644.8 |
| 55° | 8545.7 | 8837.2 | 10064.5 | 11500.6 | 12350.5 | 12553.1 | 12479.4 | 12731.0 | 13562.6 | 13746.7 | 12080.5 |
| 56° | 7978.0 | 8131.4 | 9687.1 | 11328.7 | 12427.2 | 12832.3 | 12795.5 | 12909.0 | 13921.6 | 14114.9 | 12148.0 |
| 57.5° | 6928.6 | 6940.8 | 8260.3 | 10567.8 | 12138.8 | 12915.1 | 12878.3 | 12967.3 | 13851.0 | 13719.1 | 11555.8 |
| 60° | 4335.7 | 4526.0 | 5621.4 | 8128.3 | 10322.3 | 11982.3 | 12191.0 | 11476.0 | 11678.5 | 11399.3 | 8990.6 |
| 62.5° | 2246.1 | 2218.5 | 2945.7 | 4753.0 | 6851.9 | 8579.4 | 8772.7 | 8739.0 | 8426.0 | 8017.9 | 5873.0 |
| 65° | 1120.0 | 1126.1 | 1540.4 | 2353.5 | 3510.3 | 4492.2 | 5032.3 | 5090.6 | 4259.0 | 3918.4 | 2786.2 |
| 67.5° | 813.1 | 843.8 | 1107.7 | 1439.1 | 1653.9 | 1850.3 | 2267.6 | 2224.6 | 1684.6 | 1601.7 | 1485.1 |
| 70° | 632.1 | 659.7 | 899.1 | 1098.5 | 997.2 | 997.2 | 1086.2 | 1123.1 | 1199.8 | 1233.5 | 1273.4 |
| 72.5° | 460.3 | 481.7 | 687.3 | 757.9 | 653.6 | 702.7 | 813.1 | 899.1 | 978.8 | 991.1 | 1037.1 |
| 75° | 316.1 | 334.5 | 451.1 | 417.3 | 392.8 | 484.8 | 595.3 | 675.1 | 733.4 | 764.0 | 791.7 |
| 77.5° | 205.6 | 211.7 | 257.8 | 217.9 | 251.6 | 313.0 | 386.6 | 454.1 | 512.4 | 537.0 | 543.1 |
| 80° | 92.1 | 101.3 | 110.5 | 138.1 | 174.9 | 224.0 | 276.2 | 331.4 | 368.2 | 377.4 | 395.8 |
| 82.5° | 52.2 | 52.2 | 67.5 | 98.2 | 128.9 | 162.6 | 199.4 | 239.3 | 282.3 | 291.5 | 288.4 |
| 85° | 27.6 | 27.6 | 39.9 | 58.3 | 79.8 | 95.1 | 92.1 | 95.1 | 101.3 | 116.6 | 113.5 |
| 87.5° | 9.2 | 9.2 | 12.3 | 12.3 | 15.3 | 18.4 | 15.3 | 21.5 | 27.6 | 27.6 | 27.6 |
| 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: P530976

CATALOG NUMBER: GLAN-SA6B-727-U-T3R-GRSWH

CANDELA DISTRIBUTION (continued):

| | 90° | 95° | 105° | 115° | 125° | 135° | 145° | 155° | 165° | 175° | 180° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 6302.6 | 6302.6 | 6302.6 | 6302.6 | 6302.6 | 6302.6 | 6302.6 | 6302.6 | 6302.6 | 6302.6 | 6302.6 |
| 2.5° | 6293.4 | 6321.0 | 6284.2 | 6364.0 | 6364.0 | 6348.6 | 6271.9 | 6296.5 | 6314.9 | 6314.9 | 6330.2 |
| 5° | 6413.1 | 6403.9 | 6428.4 | 6333.3 | 6275.0 | 6253.5 | 6127.7 | 6066.3 | 6014.2 | 6011.1 | 5965.1 |
| 7.5° | 6480.6 | 6456.0 | 6446.8 | 6376.3 | 6118.5 | 5962.0 | 5692.0 | 5535.5 | 5501.7 | 5382.1 | 5428.1 |
| 10° | 6588.0 | 6634.0 | 6588.0 | 6204.4 | 5845.4 | 5486.4 | 5222.5 | 4980.1 | 4885.0 | 4808.3 | 4762.2 |
| 12.5° | 6808.9 | 6787.4 | 6520.5 | 6001.9 | 5498.7 | 5072.2 | 4679.4 | 4424.7 | 4329.6 | 4262.1 | 4255.9 |
| 15° | 6996.1 | 6888.7 | 6480.6 | 5682.8 | 4958.6 | 4504.5 | 4182.3 | 4001.3 | 3958.3 | 3964.4 | 3992.1 |
| 17.5° | 7060.5 | 6986.9 | 6271.9 | 5351.4 | 4556.7 | 4022.7 | 3872.4 | 3844.8 | 3884.7 | 3930.7 | 3943.0 |
| 20° | 7161.8 | 7045.2 | 6186.0 | 4900.3 | 4059.6 | 3722.0 | 3712.8 | 3811.0 | 3884.7 | 3952.2 | 3961.4 |
| 22.5° | 7373.5 | 7078.9 | 5906.8 | 4473.8 | 3719.0 | 3633.1 | 3722.0 | 3804.9 | 3918.4 | 3973.7 | 3924.6 |
| 25° | 7434.9 | 7005.3 | 5514.0 | 3961.4 | 3504.2 | 3577.8 | 3672.9 | 3786.5 | 3866.3 | 3896.9 | 3918.4 |
| 27.5° | 7487.0 | 6891.8 | 4983.2 | 3620.8 | 3436.7 | 3574.8 | 3672.9 | 3768.1 | 3811.0 | 3838.6 | 3863.2 |
| 30° | 7634.3 | 6858.0 | 4522.9 | 3393.7 | 3393.7 | 3513.4 | 3639.2 | 3663.7 | 3722.0 | 3755.8 | 3798.7 |
| 32.5° | 7708.0 | 6624.8 | 4050.4 | 3249.5 | 3350.8 | 3544.1 | 3553.3 | 3599.3 | 3602.4 | 3630.0 | 3584.0 |
| 35° | 7901.3 | 6459.1 | 3611.6 | 3145.2 | 3369.2 | 3513.4 | 3559.4 | 3531.8 | 3381.4 | 3307.8 | 3323.1 |
| 37.5° | 8042.4 | 6376.3 | 3295.5 | 3132.9 | 3372.2 | 3547.1 | 3571.7 | 3363.0 | 3206.5 | 3083.8 | 3114.5 |
| 40° | 8422.9 | 6170.7 | 3056.2 | 3111.4 | 3399.8 | 3584.0 | 3516.5 | 3289.4 | 3007.1 | 2881.3 | 2859.8 |
| 42.5° | 8714.4 | 6023.4 | 2905.8 | 3086.9 | 3421.3 | 3636.1 | 3488.8 | 3142.1 | 2853.7 | 2737.1 | 2767.7 |
| 45° | 9051.9 | 5989.6 | 2826.0 | 3093.0 | 3458.2 | 3663.7 | 3455.1 | 3028.6 | 2721.7 | 2675.7 | 2666.5 |
| 47.5° | 9171.6 | 5747.2 | 2740.1 | 3040.8 | 3448.9 | 3654.5 | 3341.5 | 2942.6 | 2672.6 | 2678.8 | 2703.3 |
| 50° | 8972.2 | 5498.7 | 2675.7 | 2933.4 | 3387.6 | 3571.7 | 3163.6 | 2829.1 | 2645.0 | 2721.7 | 2764.7 |
| 52.5° | 8717.5 | 5244.0 | 2543.8 | 2789.2 | 3261.8 | 3442.8 | 3080.7 | 2823.0 | 2617.4 | 2592.8 | 2602.1 |
| 55° | 8794.2 | 5035.3 | 2359.6 | 2592.8 | 3059.3 | 3203.5 | 2988.7 | 2764.7 | 2549.9 | 2457.8 | 2488.5 |
| 56° | 8545.7 | 4820.5 | 2240.0 | 2470.1 | 2921.2 | 3050.0 | 2942.6 | 2712.5 | 2494.7 | 2433.3 | 2433.3 |
| 57.5° | 7843.0 | 4099.5 | 2083.5 | 2273.7 | 2629.7 | 2783.1 | 2853.7 | 2681.8 | 2433.3 | 2325.9 | 2329.0 |
| 60° | 5784.0 | 2915.0 | 1868.7 | 2003.7 | 2178.6 | 2301.3 | 2629.7 | 2595.9 | 2279.9 | 2206.2 | 2178.6 |
| 62.5° | 3565.5 | 2129.5 | 1715.3 | 1767.4 | 1856.4 | 1957.7 | 2295.2 | 2350.4 | 2117.2 | 2037.5 | 2019.0 |
| 65° | 1997.6 | 1629.4 | 1598.7 | 1620.1 | 1663.1 | 1715.3 | 1905.5 | 2028.2 | 1868.7 | 1746.0 | 1739.8 |
| 67.5° | 1460.6 | 1457.5 | 1482.1 | 1500.5 | 1518.9 | 1518.9 | 1564.9 | 1614.0 | 1592.5 | 1494.3 | 1485.1 |
| 70° | 1298.0 | 1307.2 | 1325.6 | 1328.6 | 1334.8 | 1313.3 | 1276.5 | 1261.1 | 1285.7 | 1224.3 | 1212.0 |
| 72.5° | 1070.9 | 1101.6 | 1123.1 | 1126.1 | 1092.4 | 1064.8 | 1015.7 | 963.5 | 945.1 | 932.8 | 929.7 |
| 75° | 822.3 | 843.8 | 853.0 | 850.0 | 837.7 | 797.8 | 739.5 | 687.3 | 653.6 | 616.8 | 635.2 |
| 77.5° | 555.4 | 586.1 | 601.4 | 601.4 | 583.0 | 521.6 | 494.0 | 454.1 | 420.4 | 380.5 | 386.6 |
| 80° | 389.7 | 411.2 | 435.7 | 432.7 | 402.0 | 371.3 | 331.4 | 294.6 | 267.0 | 236.3 | 233.2 |
| 82.5° | 291.5 | 303.8 | 316.1 | 309.9 | 288.4 | 257.8 | 230.1 | 196.4 | 165.7 | 144.2 | 144.2 |
| 85° | 104.3 | 113.5 | 138.1 | 144.2 | 156.5 | 156.5 | 131.9 | 110.5 | 89.0 | 73.6 | 73.6 |
| 87.5° | 30.7 | 30.7 | 33.8 | 33.8 | 30.7 | 33.8 | 27.6 | 30.7 | 33.8 | 21.5 | 21.5 |
| 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)