

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: P528972

Luminaire Tested: **GLAN-SA4A-750-U-T3-GRSWH**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P528972
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-16)
Test Lab: INNOVATION CENTER
Issue Date: 5/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SA4A-750-U-T3-GRSWH
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(4) 70 CRI, 5000K, 615mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III OPTICS WITH WHITE GLARE REDUCTION SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 15424 lumens
Efficiency: N/A
Efficacy: 127.5 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type II - Short
BUG Rating: B3 - U0 - G2

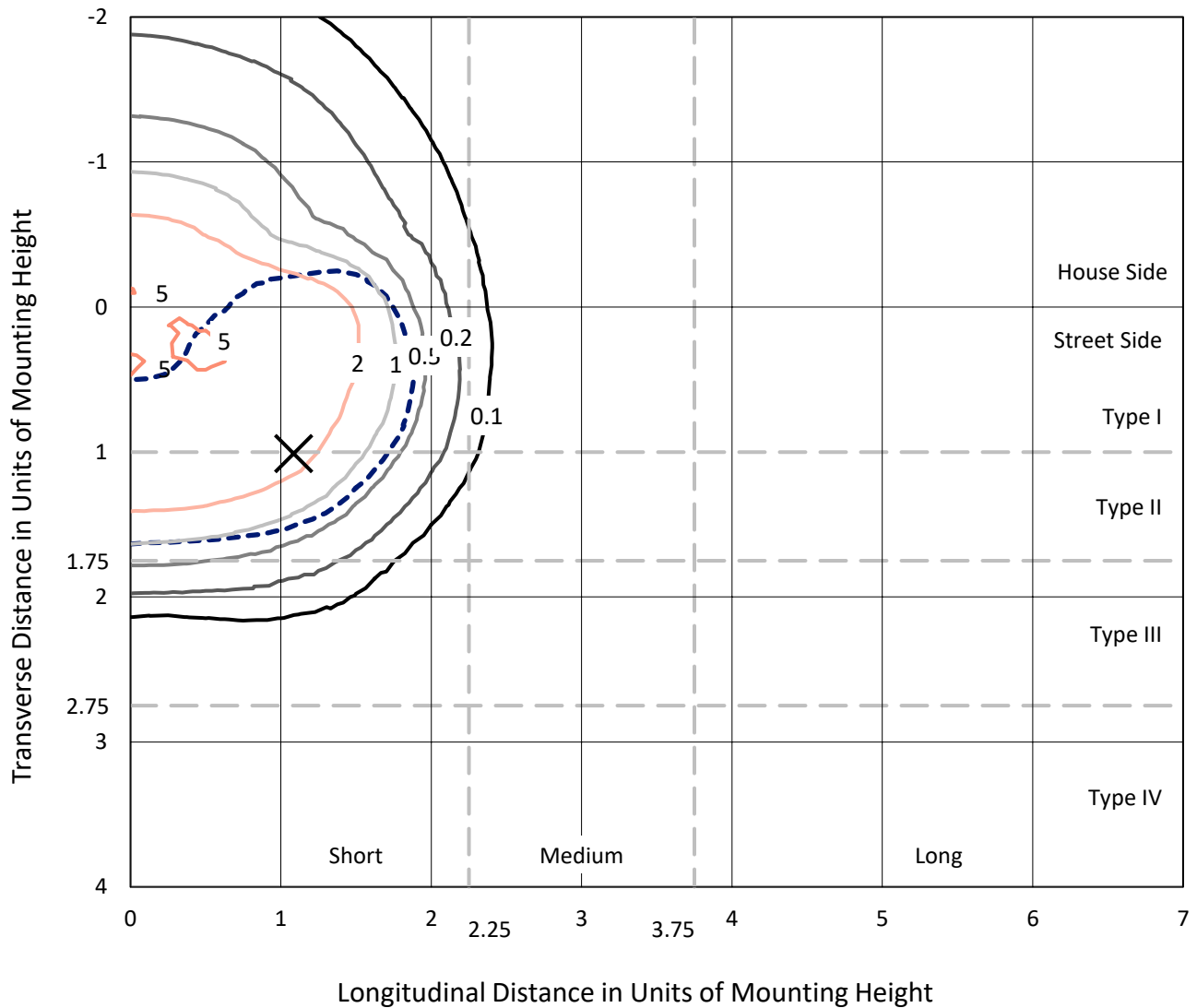
Input Watts (W): 121
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P528972
 CATALOG NUMBER: GLAN-SA4A-750-U-T3-GRSWH

Iso-Footcandle Lines of Horizontal Illumination

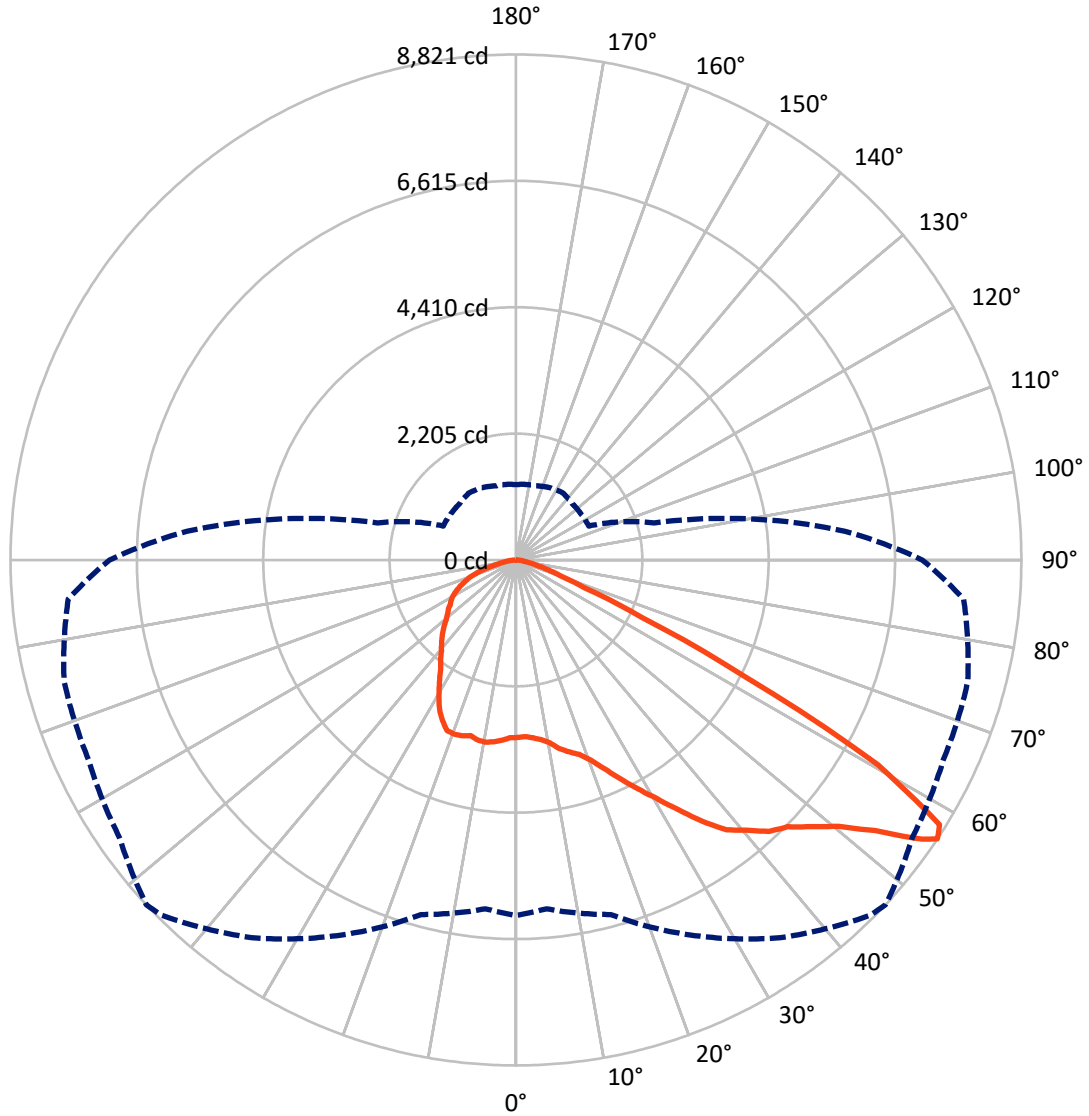
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5.2 fc
 Type II - Short - N/A

REPORT NUMBER: P528972
CATALOG NUMBER: GLAN-SA4A-750-U-T3-GRSWH

Luminous Intensity Polar Plot



— Vertical Plane Through 47-Deg Lateral - - - Horizontal Cone Through 56-Deg Vertical

REPORT NUMBER: P528972
 CATALOG NUMBER: GLAN-SA4A-750-U-T3-GRSWH

FLUX DISTRIBUTION:

| | | Downward | Upward | Total |
|--------------------|-----------|----------|--------|---------|
| House Side | Lumens | 4887.7 | 0.0 | 4887.7 |
| | % Fixture | 31.7 | 0.0 | 31.7 |
| Street Side | Lumens | 10536.3 | 0.0 | 10536.3 |
| | % Fixture | 68.3 | 0.0 | 68.3 |
| Total | Lumens | 15424.0 | 0.0 | 15424.0 |
| | % Fixture | 100.0 | 0.0 | 100.0 |

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|---------|-----------|
| 0°-10° | 301.9 | 2.0 |
| 10°-20° | 952.3 | 6.2 |
| 20°-30° | 1683.4 | 10.9 |
| 30°-40° | 2528.4 | 16.4 |
| 40°-50° | 3470.0 | 22.5 |
| 50°-60° | 4134.0 | 26.8 |
| 60°-70° | 1769.1 | 11.5 |
| 70°-80° | 500.7 | 3.2 |
| 80°-90° | 84.3 | 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° | 15424.0 | 100.0 |
| 0°-180° | 15424.0 | 100.0 |

Coefficient of Utilization



REPORT NUMBER: P528972

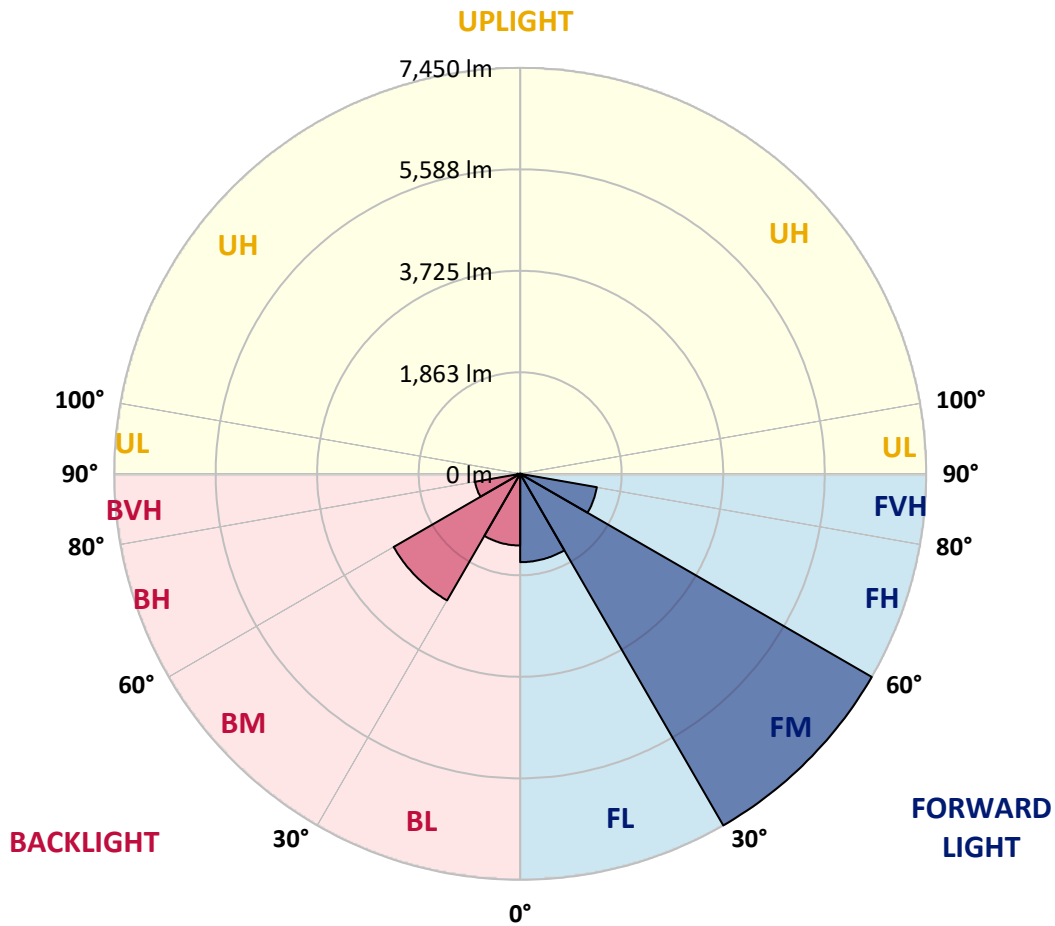
CATALOG NUMBER: GLAN-SA4A-750-U-T3-GRSWH

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

| Zone | Lumens | % Fixture | Zone Rating/Lumen Limit | | |
|----------------|--------|-----------|-------------------------|------|---------|
| | | | B | U | G |
| FL (0°-30°) | 1621.6 | 10.5 | | | |
| FM (30°-60°) | 7450.1 | 48.3 | | | |
| FH (60°-80°) | 1428.8 | 9.3 | | | G1/1800 |
| FVH (80°-90°) | 35.8 | 0.2 | | | G1/100 |
| BL (0°-30°) | 1316.0 | 8.5 | B3/2500 | | |
| BM (30°-60°) | 2682.3 | 17.4 | B3/5000 | | |
| BH (60°-80°) | 840.9 | 5.5 | B2/1000 | | G2/1000 |
| BVH (80°-90°) | 48.5 | 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-G2

Type II Short





REPORT NUMBER: P528972

CATALOG NUMBER: GLAN-SA4A-750-U-T3-GRSWH

CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 15° | 25° | 35° | 45° | 47° | 55° | 65° | 75° | 85° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 3098.2 | 3098.2 | 3098.2 | 3098.2 | 3098.2 | 3098.2 | 3098.2 | 3098.2 | 3098.2 | 3098.2 | 3098.2 |
| 2.5° | 3086.4 | 3080.5 | 3076.6 | 3108.0 | 3096.2 | 3098.2 | 3086.4 | 3098.2 | 3106.1 | 3088.4 | 3113.9 |
| 5° | 3080.5 | 3098.2 | 3082.5 | 3092.3 | 3117.9 | 3110.0 | 3117.9 | 3141.5 | 3135.6 | 3129.7 | 3121.8 |
| 7.5° | 3135.6 | 3137.6 | 3149.4 | 3153.3 | 3161.2 | 3153.3 | 3165.1 | 3186.7 | 3180.8 | 3147.4 | 3151.3 |
| 10° | 3214.3 | 3218.2 | 3220.2 | 3241.8 | 3255.6 | 3257.5 | 3243.8 | 3224.1 | 3222.1 | 3267.4 | 3235.9 |
| 12.5° | 3304.8 | 3294.9 | 3318.5 | 3326.4 | 3342.1 | 3359.8 | 3377.5 | 3336.2 | 3361.8 | 3363.8 | 3326.4 |
| 15° | 3436.6 | 3446.4 | 3418.9 | 3418.9 | 3424.8 | 3426.7 | 3475.9 | 3456.2 | 3452.3 | 3430.7 | 3446.4 |
| 17.5° | 3633.3 | 3566.4 | 3564.4 | 3536.9 | 3532.9 | 3548.7 | 3566.4 | 3582.1 | 3635.2 | 3592.0 | 3507.4 |
| 20° | 3776.9 | 3792.6 | 3735.6 | 3702.1 | 3708.0 | 3743.4 | 3725.7 | 3796.5 | 3833.9 | 3763.1 | 3680.5 |
| 22.5° | 4030.6 | 3977.5 | 3991.3 | 3916.5 | 3922.4 | 3959.8 | 3957.8 | 4030.6 | 4052.3 | 3940.1 | 3820.1 |
| 25° | 4201.8 | 4188.0 | 4199.8 | 4140.8 | 4148.7 | 4178.2 | 4225.4 | 4345.4 | 4310.0 | 4186.0 | 3908.7 |
| 27.5° | 4451.6 | 4424.1 | 4414.2 | 4392.6 | 4384.7 | 4463.4 | 4518.5 | 4646.3 | 4620.8 | 4439.8 | 4066.0 |
| 30° | 4707.3 | 4689.6 | 4699.4 | 4610.9 | 4642.4 | 4809.6 | 4825.3 | 5000.4 | 4988.6 | 4669.9 | 4241.1 |
| 32.5° | 4884.4 | 4894.2 | 4911.9 | 4862.7 | 5002.4 | 5136.1 | 5189.3 | 5387.9 | 5397.8 | 5065.3 | 4579.5 |
| 35° | 5169.6 | 5136.1 | 5146.0 | 5203.0 | 5267.9 | 5511.9 | 5598.4 | 5730.2 | 5812.8 | 5480.4 | 4904.0 |
| 37.5° | 5348.6 | 5384.0 | 5342.7 | 5433.2 | 5602.4 | 5895.5 | 5974.1 | 6109.9 | 6196.4 | 5889.6 | 5346.6 |
| 40° | 5627.9 | 5570.9 | 5600.4 | 5665.3 | 5838.4 | 6220.0 | 6198.4 | 6338.1 | 6365.6 | 6237.7 | 5759.7 |
| 42.5° | 5928.9 | 5901.4 | 5860.0 | 6007.6 | 6153.1 | 6430.5 | 6473.8 | 6408.9 | 6548.5 | 6578.0 | 6349.9 |
| 45° | 6288.9 | 6322.3 | 6328.2 | 6332.2 | 6460.0 | 6702.0 | 6643.0 | 6585.9 | 6747.2 | 6961.6 | 6715.7 |
| 47.5° | 6623.3 | 6517.1 | 6593.8 | 6700.0 | 6881.0 | 6883.0 | 6951.8 | 6816.1 | 6987.2 | 7178.0 | 7046.2 |
| 50° | 6735.4 | 6684.3 | 6786.6 | 6987.2 | 7266.5 | 7296.0 | 7303.9 | 7111.1 | 7199.7 | 7351.1 | 7160.3 |
| 52.5° | 6692.1 | 6674.4 | 6936.1 | 7246.9 | 7656.0 | 7805.5 | 7844.9 | 7606.9 | 7656.0 | 7587.2 | 7412.1 |
| 55° | 6485.6 | 6538.7 | 6802.3 | 7435.7 | 8063.2 | 8525.5 | 8600.2 | 8299.3 | 7986.5 | 8039.6 | 7846.8 |
| 56° | 6202.3 | 6109.9 | 6404.9 | 7221.3 | 8045.5 | 8759.6 | 8820.6 | 8444.8 | 8232.4 | 8163.5 | 7842.9 |
| 57.5° | 5262.0 | 5142.0 | 5529.6 | 6497.4 | 7599.0 | 8671.1 | 8716.3 | 8505.8 | 8191.1 | 8051.4 | 7270.5 |
| 60° | 3080.5 | 3139.5 | 3631.3 | 4481.1 | 5862.0 | 7109.2 | 7260.6 | 7414.1 | 7203.6 | 6578.0 | 5411.5 |
| 62.5° | 1487.1 | 1449.8 | 1801.9 | 2569.1 | 3572.3 | 4538.1 | 4492.9 | 4923.7 | 5159.8 | 4673.9 | 3416.9 |
| 65° | 779.0 | 775.0 | 983.6 | 1402.6 | 1963.2 | 2384.1 | 2425.5 | 2657.6 | 2982.2 | 2407.8 | 1735.0 |
| 67.5° | 572.4 | 588.2 | 692.4 | 985.5 | 1262.9 | 1288.5 | 1282.6 | 1398.6 | 1430.1 | 1209.8 | 1066.2 |
| 70° | 448.5 | 456.4 | 533.1 | 749.5 | 940.3 | 841.9 | 824.2 | 838.0 | 930.4 | 969.8 | 922.6 |
| 72.5° | 324.6 | 332.4 | 397.4 | 505.5 | 588.2 | 574.4 | 586.2 | 662.9 | 777.0 | 818.3 | 769.1 |
| 75° | 216.4 | 222.3 | 257.7 | 308.8 | 348.2 | 375.7 | 397.4 | 485.9 | 592.1 | 615.7 | 592.1 |
| 77.5° | 149.5 | 155.4 | 179.0 | 218.4 | 222.3 | 240.0 | 247.9 | 289.2 | 354.1 | 383.6 | 367.9 |
| 80° | 84.6 | 84.6 | 96.4 | 112.1 | 137.7 | 161.3 | 165.2 | 198.7 | 228.2 | 247.9 | 251.8 |
| 82.5° | 39.3 | 41.3 | 51.1 | 68.8 | 90.5 | 112.1 | 116.1 | 137.7 | 159.3 | 179.0 | 184.9 |
| 85° | 19.7 | 21.6 | 29.5 | 41.3 | 55.1 | 66.9 | 64.9 | 66.9 | 70.8 | 66.9 | 68.8 |
| 87.5° | 5.9 | 5.9 | 7.9 | 9.8 | 7.9 | 9.8 | 9.8 | 11.8 | 13.8 | 15.7 | 17.7 |
| 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: P528972

CATALOG NUMBER: GLAN-SA4A-750-U-T3-GRSWH

CANDELA DISTRIBUTION (continued):

| | 90° | 95° | 105° | 115° | 125° | 135° | 145° | 155° | 165° | 175° | 180° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 3098.2 | 3098.2 | 3098.2 | 3098.2 | 3098.2 | 3098.2 | 3098.2 | 3098.2 | 3098.2 | 3098.2 | 3098.2 |
| 2.5° | 3115.9 | 3121.8 | 3082.5 | 3119.9 | 3106.1 | 3104.1 | 3131.7 | 3127.7 | 3137.6 | 3133.6 | 3110.0 |
| 5° | 3117.9 | 3104.1 | 3145.4 | 3108.0 | 3125.8 | 3163.1 | 3137.6 | 3196.6 | 3167.1 | 3186.7 | 3143.5 |
| 7.5° | 3178.9 | 3182.8 | 3174.9 | 3190.7 | 3182.8 | 3200.5 | 3186.7 | 3200.5 | 3176.9 | 3178.9 | 3218.2 |
| 10° | 3232.0 | 3220.2 | 3233.9 | 3214.3 | 3228.0 | 3222.1 | 3190.7 | 3180.8 | 3188.7 | 3178.9 | 3204.4 |
| 12.5° | 3330.3 | 3308.7 | 3298.9 | 3275.3 | 3259.5 | 3200.5 | 3151.3 | 3123.8 | 3161.2 | 3167.1 | 3155.3 |
| 15° | 3430.7 | 3432.6 | 3387.4 | 3334.3 | 3235.9 | 3147.4 | 3159.2 | 3169.0 | 3169.0 | 3184.8 | 3155.3 |
| 17.5° | 3493.6 | 3493.6 | 3452.3 | 3346.1 | 3245.7 | 3194.6 | 3182.8 | 3151.3 | 3123.8 | 3119.9 | 3117.9 |
| 20° | 3603.8 | 3570.3 | 3475.9 | 3344.1 | 3241.8 | 3218.2 | 3129.7 | 3054.9 | 2997.9 | 2978.2 | 2976.3 |
| 22.5° | 3729.7 | 3645.1 | 3513.3 | 3348.0 | 3235.9 | 3202.5 | 3037.2 | 2925.1 | 2822.8 | 2779.5 | 2785.4 |
| 25° | 3845.7 | 3710.0 | 3534.9 | 3330.3 | 3214.3 | 3053.0 | 2868.1 | 2712.7 | 2606.4 | 2571.0 | 2553.3 |
| 27.5° | 3926.4 | 3778.8 | 3534.9 | 3346.1 | 3133.6 | 2885.8 | 2696.9 | 2498.2 | 2405.8 | 2382.2 | 2386.1 |
| 30° | 4034.6 | 3865.4 | 3595.9 | 3312.6 | 2972.3 | 2669.4 | 2443.2 | 2313.3 | 2258.3 | 2238.6 | 2252.4 |
| 32.5° | 4288.3 | 4091.6 | 3680.5 | 3232.0 | 2781.5 | 2453.0 | 2270.1 | 2197.3 | 2116.6 | 2077.3 | 2063.5 |
| 35° | 4563.7 | 4306.0 | 3763.1 | 3096.2 | 2567.1 | 2256.3 | 2142.2 | 2075.3 | 1978.9 | 1935.6 | 1943.5 |
| 37.5° | 4953.2 | 4581.4 | 3769.0 | 2872.0 | 2335.0 | 2146.1 | 2041.9 | 1937.6 | 1858.9 | 1792.0 | 1772.4 |
| 40° | 5478.4 | 4957.1 | 3755.2 | 2635.9 | 2148.1 | 2016.3 | 1939.6 | 1809.7 | 1721.2 | 1674.0 | 1683.9 |
| 42.5° | 5940.7 | 5397.8 | 3698.2 | 2368.4 | 1978.9 | 1927.8 | 1841.2 | 1713.4 | 1626.8 | 1577.6 | 1573.7 |
| 45° | 6330.2 | 5722.4 | 3590.0 | 2140.2 | 1837.3 | 1829.4 | 1729.1 | 1630.7 | 1561.9 | 1516.6 | 1536.3 |
| 47.5° | 6690.2 | 5984.0 | 3426.7 | 1912.0 | 1707.5 | 1723.2 | 1626.8 | 1565.8 | 1522.6 | 1481.2 | 1479.3 |
| 50° | 6820.0 | 5980.0 | 3283.1 | 1723.2 | 1603.2 | 1595.3 | 1591.4 | 1526.5 | 1481.2 | 1445.8 | 1461.6 |
| 52.5° | 7036.4 | 6046.9 | 3127.7 | 1593.4 | 1508.8 | 1510.7 | 1524.5 | 1477.3 | 1426.2 | 1404.5 | 1424.2 |
| 55° | 7347.2 | 6056.8 | 2785.4 | 1441.9 | 1430.1 | 1443.9 | 1443.9 | 1412.4 | 1369.1 | 1351.4 | 1341.6 |
| 56° | 7093.4 | 5763.7 | 2498.2 | 1402.6 | 1390.8 | 1390.8 | 1428.1 | 1392.7 | 1339.6 | 1325.8 | 1314.0 |
| 57.5° | 6542.6 | 5049.6 | 2091.0 | 1355.3 | 1337.6 | 1365.2 | 1384.9 | 1347.5 | 1298.3 | 1278.6 | 1290.4 |
| 60° | 4512.6 | 3416.9 | 1571.7 | 1253.1 | 1253.1 | 1298.3 | 1314.0 | 1259.0 | 1237.3 | 1235.4 | 1219.6 |
| 62.5° | 2634.0 | 1990.7 | 1229.4 | 1160.6 | 1164.5 | 1201.9 | 1213.7 | 1182.2 | 1154.7 | 1188.1 | 1203.9 |
| 65° | 1396.7 | 1188.1 | 1054.4 | 1062.2 | 1064.2 | 1093.7 | 1144.9 | 1142.9 | 1140.9 | 1150.8 | 1152.7 |
| 67.5° | 1011.1 | 987.5 | 958.0 | 950.1 | 954.1 | 975.7 | 1026.8 | 1066.2 | 1064.2 | 1040.6 | 1022.9 |
| 70° | 900.9 | 867.5 | 849.8 | 851.8 | 836.0 | 861.6 | 902.9 | 928.5 | 883.2 | 855.7 | 843.9 |
| 72.5° | 749.5 | 739.6 | 727.8 | 729.8 | 698.3 | 692.4 | 645.2 | 645.2 | 633.4 | 625.5 | 639.3 |
| 75° | 572.4 | 568.5 | 574.4 | 564.6 | 531.1 | 495.7 | 468.2 | 442.6 | 403.3 | 387.5 | 379.7 |
| 77.5° | 361.9 | 373.8 | 387.5 | 365.9 | 352.1 | 326.5 | 299.0 | 273.4 | 242.0 | 224.3 | 224.3 |
| 80° | 245.9 | 255.7 | 265.6 | 261.6 | 245.9 | 222.3 | 200.6 | 173.1 | 151.5 | 137.7 | 135.7 |
| 82.5° | 186.9 | 194.7 | 208.5 | 192.8 | 177.0 | 157.4 | 139.7 | 120.0 | 100.3 | 84.6 | 84.6 |
| 85° | 66.9 | 76.7 | 84.6 | 92.5 | 98.4 | 100.3 | 86.6 | 70.8 | 57.0 | 45.2 | 43.3 |
| 87.5° | 17.7 | 19.7 | 21.6 | 19.7 | 19.7 | 19.7 | 21.6 | 19.7 | 17.7 | 13.8 | 13.8 |
| 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)