

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: P324173

Luminaire Tested: **GAN-SA9C-740-U-SLL-HSS**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P324173
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-27)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GAN-SA9C-740-U-SLL-HSS
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(9) 70 CRI, 4000K, 1050mA LIGHTSQUARES WITH 16 LEDS EACH AND SPILL LIGHT
ELIMINATOR LEFT OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 46877 lumens
Efficiency: N/A
Efficacy: 93.6 lumens/watt
Luminous Opening: Rectangular (W 2.5' x L: 1' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B3 - U0 - G5

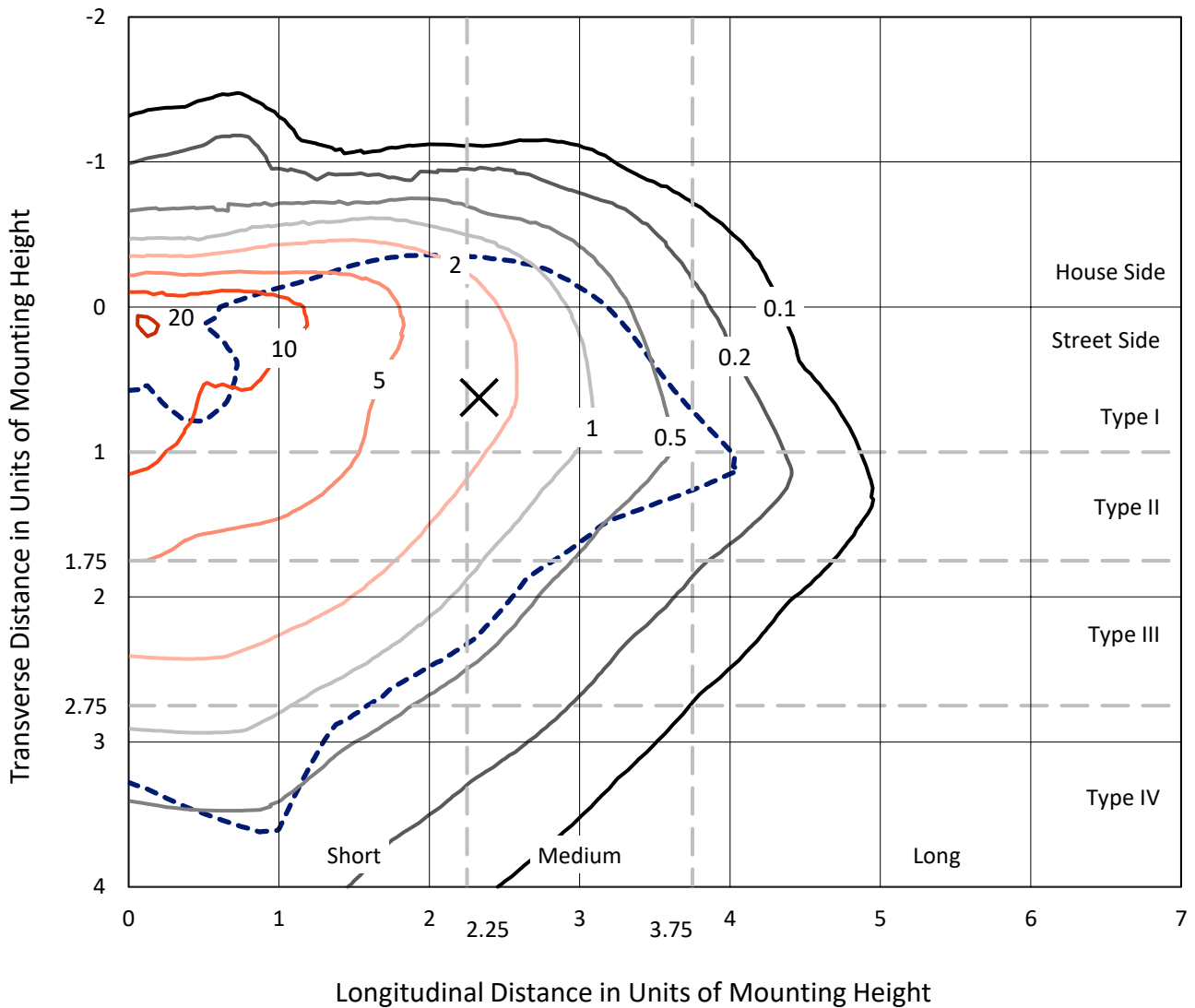
Input Watts (W): 501
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P324173
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Iso-Footcandle Lines of Horizontal Illumination

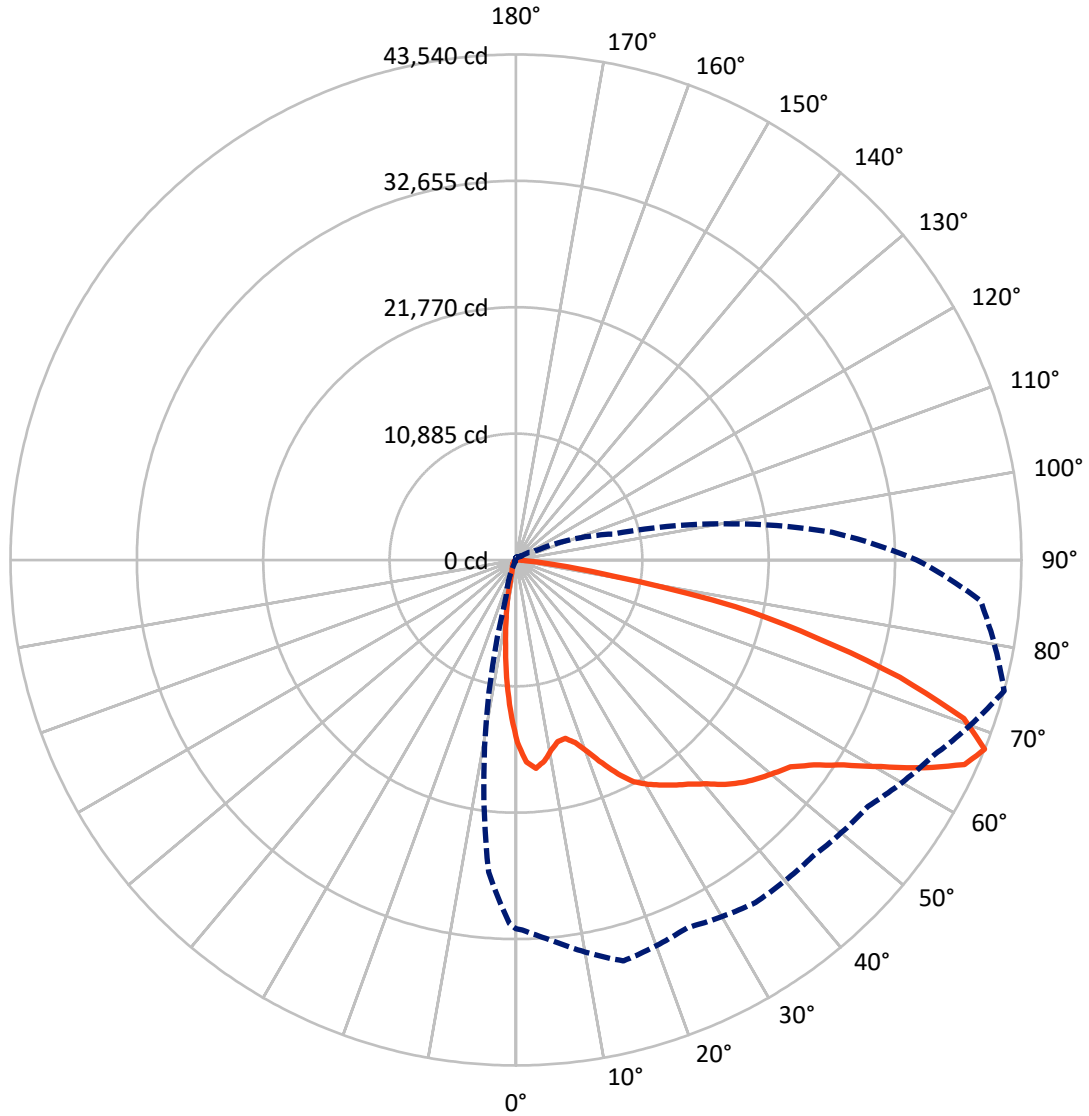
✕ Max cd
 - - - 1/2 Max cd



Based on 30 foot mounting height. Maximum calculated value = 22.6 fc
 Type III - Medium - N/A

REPORT NUMBER: P324173
CATALOG NUMBER: GAN-SA9C-740-U-SLL-HSS

Luminous Intensity Polar Plot



— Vertical Plane Through 75-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

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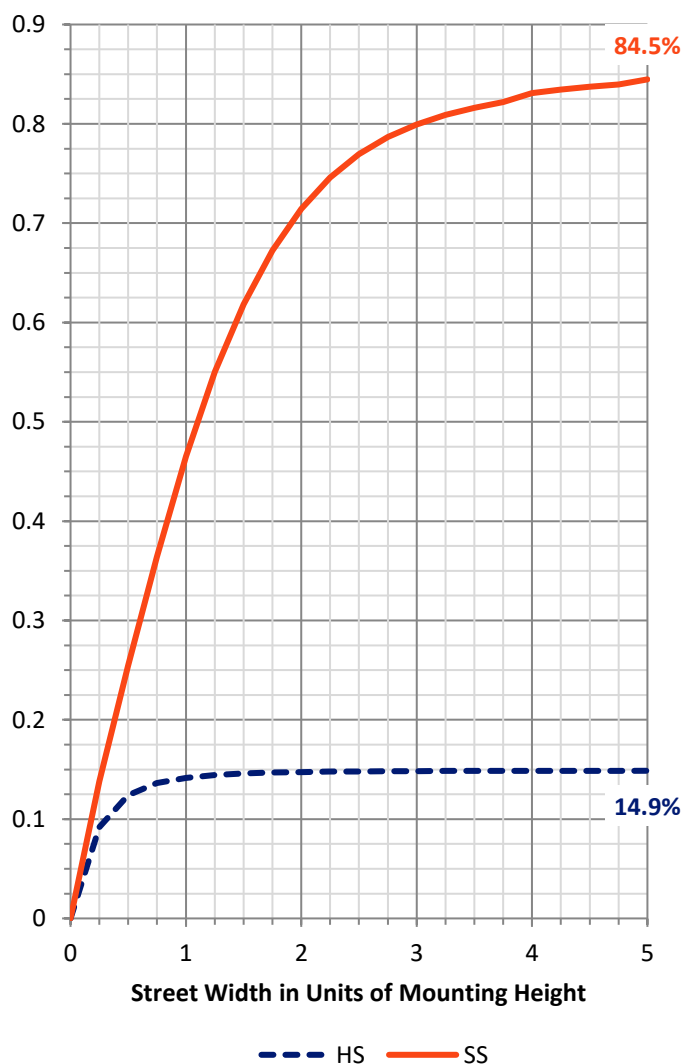
FLUX DISTRIBUTION:

| | | Downward | Upward | Total |
|--------------------|-----------|----------|--------|---------|
| House Side | Lumens | 7034.4 | 0.0 | 7034.4 |
| | % Fixture | 15.0 | 0.0 | 15.0 |
| Street Side | Lumens | 39842.6 | 0.0 | 39842.6 |
| | % Fixture | 85.0 | 0.0 | 85.0 |
| Total | Lumens | 46877.0 | 0.0 | 46877.0 |
| | % Fixture | 100.0 | 0.0 | 100.0 |

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|---------|-----------|
| 0°-10° | 1192.9 | 2.5 |
| 10°-20° | 2348.9 | 5.0 |
| 20°-30° | 3323.0 | 7.1 |
| 30°-40° | 4885.7 | 10.4 |
| 40°-50° | 7022.4 | 15.0 |
| 50°-60° | 9885.7 | 21.1 |
| 60°-70° | 11545.6 | 24.6 |
| 70°-80° | 5890.2 | 12.6 |
| 80°-90° | 782.5 | 1.7 |
| 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° | 46877.0 | 100.0 |
| 0°-180° | 46877.0 | 100.0 |

Coefficient of Utilization

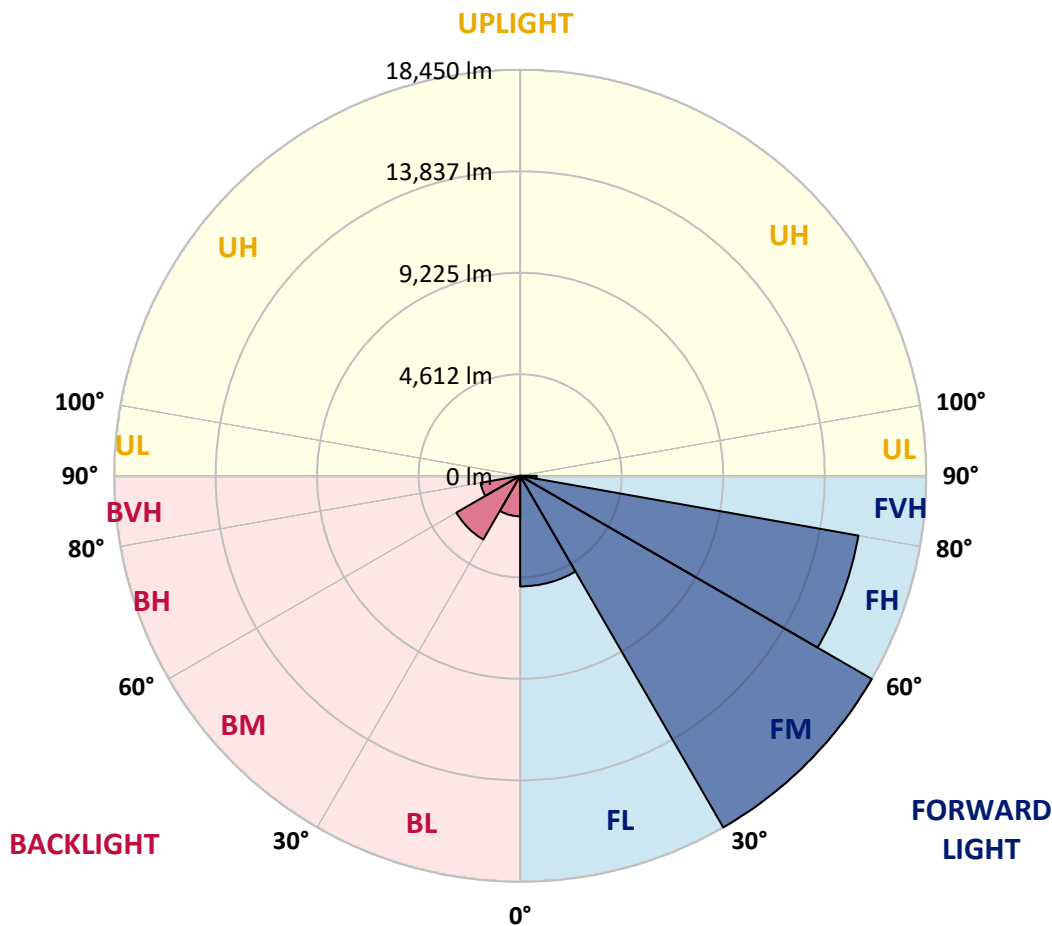


REPORT NUMBER: P324173
 CATALOG NUMBER: GAN-SA9C-740-U-SLL-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

| Zone | Lumens | % Fixture | Zone Rating/Lumen Limit | | |
|----------------|---------|-----------|-------------------------|------|---------|
| | | | B | U | G |
| FL (0°-30°) | 5025.2 | 10.7 | | | |
| FM (30°-60°) | 18450.0 | 39.4 | | | |
| FH (60°-80°) | 15608.7 | 33.3 | | | G5 |
| FVH (80°-90°) | 758.7 | 1.6 | | | G5 |
| BL (0°-30°) | 1839.6 | 3.9 | B3/2500 | | |
| BM (30°-60°) | 3343.9 | 7.1 | B3/5000 | | |
| BH (60°-80°) | 1827.2 | 3.9 | B3/2500 | | G3/2500 |
| BVH (80°-90°) | 23.7 | 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-G5
 Type III Medium





REPORT NUMBER: P324173

CATALOG NUMBER: GAN-SA9C-740-U-SLL-HSS

CANDELA DISTRIBUTION (FULL):

| | 0° | 1° | 5° | 15° | 25° | 35° | 45° | 55° | 65° | 75° | 85° |
|-------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 0° | 15726.4 | 15726.4 | 15726.4 | 15726.4 | 15726.4 | 15726.4 | 15726.4 | 15726.4 | 15726.4 | 15726.4 | 15726.4 |
| 2.5° | 17047.7 | 17074.3 | 17212.0 | 17531.8 | 17880.4 | 17907.1 | 18142.5 | 17900.4 | 17818.3 | 17427.4 | 17023.3 |
| 5° | 17176.5 | 17278.6 | 17751.6 | 18691.0 | 19505.9 | 19768.0 | 19954.5 | 19479.3 | 18979.6 | 18024.8 | 17005.5 |
| 7.5° | 16139.5 | 16310.5 | 17054.4 | 18817.5 | 20274.3 | 20918.2 | 21040.4 | 20296.5 | 19072.9 | 17500.7 | 15968.5 |
| 10° | 14811.5 | 15007.0 | 15904.1 | 18071.4 | 20072.2 | 21175.8 | 21344.6 | 20369.7 | 18611.0 | 16652.4 | 14847.1 |
| 12.5° | 13736.8 | 13965.5 | 14882.6 | 17232.0 | 19377.1 | 20598.5 | 20931.6 | 20123.3 | 18211.3 | 16050.6 | 14081.0 |
| 15° | 13241.6 | 13503.6 | 14467.3 | 16690.2 | 18606.6 | 19568.1 | 19843.5 | 19494.8 | 17989.2 | 15955.2 | 13903.3 |
| 17.5° | 13525.8 | 13810.0 | 14804.9 | 16736.8 | 17882.7 | 18293.5 | 18515.5 | 18657.7 | 17989.2 | 16530.3 | 14422.9 |
| 20° | 14691.6 | 14998.1 | 16050.6 | 17209.8 | 17283.1 | 17129.9 | 17367.5 | 17867.1 | 18198.0 | 17622.8 | 15670.9 |
| 22.5° | 16303.8 | 16663.5 | 17851.6 | 18020.3 | 16990.0 | 16410.4 | 16441.5 | 17225.4 | 18577.7 | 19008.5 | 17403.0 |
| 25° | 18269.0 | 18708.7 | 19916.7 | 19228.3 | 17112.1 | 15981.8 | 15970.7 | 16696.8 | 18948.6 | 20396.4 | 19332.7 |
| 27.5° | 20221.0 | 20705.1 | 21766.5 | 20702.8 | 17616.2 | 15904.1 | 15881.9 | 16537.0 | 19310.5 | 21631.1 | 21440.1 |
| 30° | 21857.6 | 22328.3 | 23243.2 | 21771.0 | 18160.2 | 16086.2 | 15979.6 | 16707.9 | 19525.9 | 22432.7 | 22976.8 |
| 32.5° | 23189.9 | 23567.4 | 24306.9 | 22506.0 | 18742.0 | 16439.3 | 16208.3 | 17165.4 | 19892.3 | 23110.0 | 24389.1 |
| 35° | 24655.5 | 25053.0 | 25348.4 | 23205.5 | 19394.9 | 16947.8 | 16616.9 | 17891.5 | 20456.4 | 23798.4 | 25936.8 |
| 37.5° | 26327.7 | 26722.9 | 26687.4 | 23845.0 | 20223.2 | 17789.4 | 17578.4 | 19041.8 | 21333.5 | 24480.1 | 27664.5 |
| 40° | 27964.3 | 28368.4 | 28079.7 | 24544.5 | 21195.8 | 19177.3 | 19021.8 | 20769.5 | 22508.2 | 25352.8 | 29689.7 |
| 42.5° | 29496.5 | 29934.0 | 29316.6 | 25206.3 | 22355.0 | 20927.1 | 21193.6 | 22994.5 | 23978.3 | 26427.6 | 31435.1 |
| 45° | 30731.2 | 31177.5 | 30353.7 | 25850.2 | 23576.3 | 23050.0 | 23851.7 | 25459.4 | 25745.9 | 27335.8 | 32614.2 |
| 47.5° | 31628.3 | 32050.2 | 31073.1 | 26494.2 | 25139.6 | 25645.9 | 27042.7 | 28044.2 | 27342.5 | 28124.2 | 33451.4 |
| 50° | 32201.2 | 32529.9 | 31284.1 | 27300.3 | 27191.5 | 28674.9 | 30367.0 | 30855.5 | 28845.9 | 28834.8 | 34468.5 |
| 52.5° | 32565.4 | 32714.2 | 31439.5 | 28141.9 | 29332.2 | 31972.5 | 33622.4 | 33775.6 | 30393.6 | 29616.4 | 35838.6 |
| 55° | 33820.0 | 33940.0 | 32541.0 | 29161.2 | 31102.0 | 34861.5 | 36567.0 | 36424.8 | 32145.7 | 31146.4 | 37455.2 |
| 57.5° | 35960.7 | 36087.3 | 34817.1 | 30626.8 | 32534.3 | 36646.9 | 38701.0 | 38956.3 | 34199.8 | 33296.0 | 39187.3 |
| 60° | 37035.5 | 37270.9 | 36817.9 | 32483.2 | 33922.2 | 37788.3 | 40155.5 | 40970.4 | 36766.8 | 36129.5 | 40866.1 |
| 62.5° | 36060.7 | 36402.6 | 37059.9 | 34541.7 | 35301.2 | 38416.7 | 40608.5 | 41692.1 | 39396.0 | 39431.6 | 41900.9 |
| 65° | 34115.4 | 34388.5 | 35503.3 | 35669.8 | 36100.6 | 38339.0 | 39489.3 | 40684.0 | 41006.0 | 42464.9 | 41845.4 |
| 67.5° | 31766.0 | 31868.1 | 32814.1 | 35758.6 | 34941.5 | 36002.9 | 36127.3 | 37011.1 | 39733.6 | 43539.7 | 40164.4 |
| 70° | 28384.0 | 28439.5 | 29265.6 | 32785.2 | 30027.2 | 30260.4 | 30076.1 | 30255.9 | 34159.8 | 40921.6 | 35920.8 |
| 72.5° | 22843.5 | 22983.4 | 24158.1 | 27227.0 | 21875.3 | 21202.5 | 22650.3 | 22570.4 | 26307.7 | 34572.8 | 26678.5 |
| 75° | 16819.0 | 17061.0 | 18835.3 | 21930.8 | 15353.4 | 13887.8 | 14944.8 | 15226.8 | 18702.1 | 26742.9 | 16683.5 |
| 77.5° | 11775.9 | 11955.8 | 13674.6 | 16121.7 | 11112.0 | 9930.6 | 9548.7 | 9884.0 | 12344.4 | 19346.0 | 8405.0 |
| 80° | 6784.0 | 6850.6 | 7947.6 | 9308.8 | 7487.9 | 8567.2 | 7761.1 | 7992.0 | 7396.9 | 8607.1 | 3615.2 |
| 82.5° | 4439.0 | 4450.1 | 4878.7 | 5540.4 | 4663.3 | 5418.3 | 4010.4 | 5127.4 | 4550.1 | 3457.5 | 1176.9 |
| 85° | 2398.3 | 2411.6 | 2829.1 | 3932.7 | 2640.3 | 1492.3 | 877.1 | 1800.9 | 2813.5 | 792.8 | 322.0 |
| 87.5° | 264.3 | 242.0 | 852.7 | 1430.1 | 732.8 | 135.5 | 46.6 | 202.1 | 450.8 | 51.1 | 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 |



REPORT NUMBER: P324173
 CATALOG NUMBER: GAN-SA9C-740-U-SLL-HSS

CANDELA DISTRIBUTION (continued):

| | 90° | 95° | 105° | 115° | 125° | 135° | 145° | 155° | 165° | 175° | 180° |
|-------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 0° | 15726.4 | 15726.4 | 15726.4 | 15726.4 | 15726.4 | 15726.4 | 15726.4 | 15726.4 | 15726.4 | 15726.4 | 15726.4 |
| 2.5° | 16816.8 | 16632.4 | 16172.8 | 15686.5 | 15295.6 | 14929.2 | 14560.6 | 14109.8 | 13761.2 | 13690.1 | 13574.7 |
| 5° | 16457.0 | 15873.0 | 14909.2 | 13941.1 | 13161.6 | 12177.9 | 11553.9 | 11067.6 | 10592.4 | 10563.5 | 10468.0 |
| 7.5° | 15200.1 | 14431.8 | 13075.0 | 11736.0 | 10639.0 | 9701.9 | 8755.9 | 8123.0 | 7625.6 | 7450.2 | 7345.8 |
| 10° | 13992.1 | 13128.3 | 11434.0 | 9906.2 | 8926.9 | 8098.6 | 7432.4 | 6770.7 | 6171.1 | 5758.1 | 5571.5 |
| 12.5° | 13148.3 | 12193.4 | 10325.9 | 9009.1 | 8307.3 | 7521.2 | 6708.5 | 5882.4 | 5191.8 | 4694.4 | 4390.2 |
| 15° | 12821.9 | 11802.6 | 9955.0 | 8653.8 | 7787.7 | 6792.9 | 5753.6 | 4809.9 | 4043.7 | 3593.0 | 3319.8 |
| 17.5° | 13210.5 | 12024.7 | 9926.2 | 8220.7 | 7010.5 | 5773.6 | 4625.6 | 3510.8 | 2789.1 | 2447.1 | 2271.7 |
| 20° | 14196.4 | 12730.8 | 9915.1 | 7690.0 | 6086.7 | 4565.6 | 3133.3 | 2309.4 | 1872.0 | 1681.0 | 1598.8 |
| 22.5° | 15591.0 | 13632.4 | 10003.9 | 7165.9 | 5125.2 | 3262.1 | 2162.9 | 1696.6 | 1472.3 | 1370.1 | 1323.5 |
| 25° | 17385.2 | 14898.1 | 10254.8 | 6690.7 | 4221.4 | 2433.8 | 1685.5 | 1421.2 | 1263.5 | 1183.6 | 1150.3 |
| 27.5° | 19297.2 | 16354.9 | 10645.7 | 6277.7 | 3486.4 | 1940.8 | 1443.4 | 1216.9 | 1103.6 | 1048.1 | 1017.0 |
| 30° | 20873.8 | 18042.5 | 11040.9 | 5818.0 | 2953.4 | 1692.1 | 1321.3 | 1110.3 | 979.3 | 943.8 | 914.9 |
| 32.5° | 22252.8 | 19319.4 | 11320.7 | 5402.8 | 2604.8 | 1503.4 | 1194.7 | 992.6 | 903.8 | 835.0 | 803.9 |
| 35° | 23680.7 | 20383.1 | 11311.8 | 5111.9 | 2365.0 | 1361.2 | 1088.1 | 888.2 | 781.7 | 701.7 | 677.3 |
| 37.5° | 25226.2 | 21584.4 | 11118.6 | 4863.2 | 2260.6 | 1248.0 | 1028.1 | 832.7 | 726.1 | 646.2 | 615.1 |
| 40° | 27036.1 | 22845.7 | 10921.0 | 4630.0 | 2231.7 | 1156.9 | 986.0 | 788.3 | 675.1 | 597.3 | 566.3 |
| 42.5° | 28799.2 | 23982.7 | 10747.8 | 4456.8 | 2107.4 | 1154.7 | 948.2 | 755.0 | 635.1 | 559.6 | 524.1 |
| 45° | 30209.3 | 25041.9 | 10714.5 | 4352.4 | 1976.4 | 1194.7 | 928.2 | 732.8 | 604.0 | 528.5 | 495.2 |
| 47.5° | 31381.8 | 26192.2 | 10927.7 | 4279.1 | 1852.0 | 1090.3 | 977.1 | 717.3 | 575.1 | 501.9 | 464.1 |
| 50° | 32776.4 | 27604.5 | 11429.5 | 4159.2 | 1721.0 | 981.5 | 1119.2 | 721.7 | 550.7 | 475.2 | 435.2 |
| 52.5° | 34721.6 | 29558.7 | 12166.8 | 3957.1 | 1541.1 | 881.6 | 1101.4 | 726.1 | 524.1 | 446.3 | 406.4 |
| 55° | 36902.3 | 31999.1 | 12959.5 | 3621.8 | 1290.2 | 750.6 | 943.8 | 695.1 | 473.0 | 415.3 | 377.5 |
| 57.5° | 39193.9 | 34213.1 | 13430.3 | 3222.1 | 1025.9 | 648.4 | 755.0 | 632.9 | 417.5 | 373.1 | 348.6 |
| 60° | 39553.7 | 35054.7 | 13214.9 | 2731.4 | 815.0 | 564.0 | 559.6 | 644.0 | 373.1 | 328.7 | 310.9 |
| 62.5° | 38658.8 | 33997.7 | 12173.4 | 2293.9 | 681.7 | 495.2 | 459.7 | 561.8 | 337.5 | 293.1 | 275.4 |
| 65° | 36937.8 | 31139.8 | 10485.8 | 2067.4 | 632.9 | 424.1 | 381.9 | 395.3 | 295.3 | 255.4 | 239.8 |
| 67.5° | 34544.0 | 27324.7 | 8609.3 | 1938.6 | 626.2 | 364.2 | 326.4 | 299.8 | 255.4 | 222.1 | 208.7 |
| 70° | 29649.7 | 22763.6 | 6868.4 | 1867.5 | 608.4 | 306.4 | 275.4 | 244.3 | 213.2 | 188.8 | 177.6 |
| 72.5° | 21822.0 | 16130.6 | 5342.8 | 1789.8 | 612.9 | 244.3 | 239.8 | 202.1 | 171.0 | 146.6 | 142.1 |
| 75° | 12608.7 | 9215.6 | 3504.1 | 1450.1 | 584.0 | 188.8 | 199.9 | 142.1 | 119.9 | 102.1 | 102.1 |
| 77.5° | 6719.6 | 5620.4 | 1334.6 | 604.0 | 213.2 | 119.9 | 113.3 | 84.4 | 75.5 | 62.2 | 60.0 |
| 80° | 2929.0 | 2473.8 | 401.9 | 168.8 | 117.7 | 64.4 | 42.2 | 37.8 | 33.3 | 26.6 | 24.4 |
| 82.5° | 1037.0 | 894.9 | 131.0 | 82.2 | 51.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 85° | 235.4 | 168.8 | 0.0 | 20.0 | 0.0 | 0.0 | 0.0 | 0.0 | 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 |



REPORT NUMBER: P324173

CATALOG NUMBER: GAN-SA9C-740-U-SLL-HSS

CANDELA DISTRIBUTION (continued):

| | 185° | 195° | 205° | 215° | 225° | 235° | 245° | 255° | 265° | 270° | 275° |
|-------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 0° | 15726.4 | 15726.4 | 15726.4 | 15726.4 | 15726.4 | 15726.4 | 15726.4 | 15726.4 | 15726.4 | 15726.4 | 15726.4 |
| 2.5° | 13339.3 | 13290.4 | 13001.7 | 13012.8 | 13063.9 | 13137.2 | 12964.0 | 13043.9 | 13259.3 | 13465.8 | 13543.6 |
| 5° | 10314.8 | 10325.9 | 10150.5 | 10259.3 | 10357.0 | 10423.6 | 10143.8 | 10148.2 | 10319.2 | 10552.4 | 10674.5 |
| 7.5° | 7268.1 | 7250.3 | 7259.2 | 7519.0 | 7703.3 | 7570.1 | 7674.5 | 7312.5 | 7334.7 | 7501.3 | 7376.9 |
| 10° | 5402.8 | 5158.5 | 5020.8 | 5216.2 | 5418.3 | 5345.0 | 5165.2 | 5047.5 | 5129.6 | 5313.9 | 5300.6 |
| 12.5° | 4245.8 | 3895.0 | 3688.5 | 3548.6 | 3715.1 | 3577.4 | 3573.0 | 3470.8 | 3359.8 | 3379.8 | 3675.1 |
| 15° | 3193.3 | 2937.9 | 2693.6 | 2469.3 | 2464.9 | 2418.3 | 2180.6 | 1914.2 | 1892.0 | 1905.3 | 2058.5 |
| 17.5° | 2196.2 | 2109.6 | 2009.7 | 1816.5 | 1765.4 | 1570.0 | 1339.0 | 1232.4 | 1179.1 | 1203.6 | 1254.7 |
| 20° | 1543.3 | 1510.0 | 1521.1 | 1416.8 | 1343.5 | 1156.9 | 1021.5 | 979.3 | 970.4 | 994.8 | 1019.3 |
| 22.5° | 1279.1 | 1219.1 | 1212.5 | 1165.8 | 1092.5 | 957.1 | 883.8 | 859.4 | 848.3 | 870.5 | 888.2 |
| 25° | 1119.2 | 1059.2 | 1034.8 | 1005.9 | 928.2 | 835.0 | 790.5 | 768.3 | 757.2 | 770.6 | 781.7 |
| 27.5° | 986.0 | 930.4 | 908.2 | 888.2 | 812.7 | 746.1 | 710.6 | 690.6 | 681.7 | 686.2 | 697.3 |
| 30° | 886.0 | 837.2 | 808.3 | 783.9 | 719.5 | 672.8 | 641.8 | 621.8 | 612.9 | 612.9 | 624.0 |
| 32.5° | 781.7 | 755.0 | 728.4 | 697.3 | 637.3 | 606.2 | 575.1 | 552.9 | 544.1 | 546.3 | 555.2 |
| 35° | 650.6 | 641.8 | 648.4 | 619.6 | 568.5 | 541.8 | 510.7 | 486.3 | 479.7 | 481.9 | 490.8 |
| 37.5° | 577.4 | 537.4 | 561.8 | 546.3 | 517.4 | 481.9 | 441.9 | 419.7 | 408.6 | 415.3 | 419.7 |
| 40° | 530.7 | 481.9 | 464.1 | 479.7 | 475.2 | 417.5 | 381.9 | 359.7 | 350.9 | 353.1 | 357.5 |
| 42.5° | 490.8 | 433.0 | 393.0 | 390.8 | 417.5 | 364.2 | 326.4 | 306.4 | 295.3 | 295.3 | 299.8 |
| 45° | 453.0 | 390.8 | 342.0 | 304.2 | 350.9 | 308.7 | 273.1 | 255.4 | 242.0 | 242.0 | 244.3 |
| 47.5° | 424.1 | 355.3 | 297.6 | 248.7 | 264.3 | 253.2 | 224.3 | 206.5 | 193.2 | 193.2 | 195.4 |
| 50° | 397.5 | 319.8 | 257.6 | 208.7 | 197.6 | 208.7 | 182.1 | 162.1 | 153.2 | 151.0 | 155.4 |
| 52.5° | 368.6 | 284.2 | 219.8 | 177.6 | 155.4 | 157.7 | 142.1 | 128.8 | 117.7 | 117.7 | 122.1 |
| 55° | 339.8 | 255.4 | 191.0 | 151.0 | 128.8 | 117.7 | 113.3 | 104.4 | 95.5 | 95.5 | 99.9 |
| 57.5° | 310.9 | 224.3 | 162.1 | 124.4 | 102.1 | 93.3 | 93.3 | 86.6 | 79.9 | 79.9 | 84.4 |
| 60° | 284.2 | 193.2 | 133.2 | 102.1 | 79.9 | 77.7 | 79.9 | 73.3 | 68.8 | 68.8 | 73.3 |
| 62.5° | 253.2 | 164.3 | 108.8 | 84.4 | 64.4 | 62.2 | 68.8 | 64.4 | 60.0 | 60.0 | 64.4 |
| 65° | 215.4 | 139.9 | 86.6 | 64.4 | 48.9 | 48.9 | 57.7 | 53.3 | 48.9 | 48.9 | 53.3 |
| 67.5° | 182.1 | 117.7 | 66.6 | 46.6 | 35.5 | 37.8 | 48.9 | 44.4 | 42.2 | 42.2 | 46.6 |
| 70° | 151.0 | 91.0 | 46.6 | 28.9 | 20.0 | 28.9 | 37.8 | 37.8 | 37.8 | 37.8 | 42.2 |
| 72.5° | 113.3 | 62.2 | 26.6 | 11.1 | 8.9 | 20.0 | 31.1 | 35.5 | 33.3 | 33.3 | 40.0 |
| 75° | 73.3 | 35.5 | 8.9 | 0.0 | 0.0 | 11.1 | 24.4 | 28.9 | 28.9 | 26.6 | 33.3 |
| 77.5° | 42.2 | 11.1 | 0.0 | 0.0 | 0.0 | 0.0 | 15.5 | 13.3 | 11.1 | 8.9 | 15.5 |
| 80° | 11.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 82.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 85° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 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 |



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| 22.5° | 930.4 | 1021.5 | 1176.9 | 1685.5 | 3646.3 | 6570.8 | 9875.1 | 14254.2 | 15935.2 | 16303.8 |
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| 42.5° | 333.1 | 381.9 | 459.7 | 528.5 | 650.6 | 1030.4 | 7752.2 | 25104.1 | 29016.8 | 29496.5 |
| 45° | 277.6 | 328.7 | 406.4 | 559.6 | 539.6 | 770.6 | 6759.6 | 25905.8 | 30209.3 | 30731.2 |
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| 52.5° | 146.6 | 199.9 | 413.0 | 364.2 | 295.3 | 357.5 | 5822.5 | 28446.1 | 32254.5 | 32565.4 |
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| 60° | 91.0 | 111.0 | 144.3 | 157.7 | 182.1 | 242.0 | 5826.9 | 33089.5 | 36733.5 | 37035.5 |
| 62.5° | 79.9 | 97.7 | 119.9 | 131.0 | 153.2 | 217.6 | 5311.7 | 31941.4 | 35547.7 | 36060.7 |
| 65° | 71.1 | 88.8 | 99.9 | 111.0 | 135.5 | 195.4 | 4463.4 | 29645.3 | 33580.2 | 34115.4 |
| 67.5° | 62.2 | 77.7 | 88.8 | 99.9 | 122.1 | 173.2 | 3286.5 | 26978.3 | 31321.8 | 31766.0 |
| 70° | 55.5 | 68.8 | 79.9 | 88.8 | 106.6 | 146.6 | 1994.1 | 22892.4 | 28199.7 | 28384.0 |
| 72.5° | 53.3 | 62.2 | 73.3 | 79.9 | 93.3 | 128.8 | 1010.4 | 16823.4 | 22543.7 | 22843.5 |
| 75° | 46.6 | 55.5 | 66.6 | 71.1 | 82.2 | 111.0 | 410.8 | 11049.8 | 16337.1 | 16819.0 |
| 77.5° | 37.8 | 51.1 | 60.0 | 64.4 | 71.1 | 91.0 | 208.7 | 7061.6 | 11465.1 | 11775.9 |
| 80° | 13.3 | 37.8 | 51.1 | 53.3 | 60.0 | 66.6 | 137.7 | 3866.1 | 6650.8 | 6784.0 |
| 82.5° | 0.0 | 24.4 | 40.0 | 37.8 | 42.2 | 51.1 | 88.8 | 1838.7 | 4390.2 | 4439.0 |
| 85° | 0.0 | 11.1 | 31.1 | 24.4 | 17.8 | 35.5 | 31.1 | 401.9 | 2302.8 | 2398.3 |
| 87.5° | 0.0 | 0.0 | 2.2 | 11.1 | 8.9 | 13.3 | 4.4 | 2.2 | 208.7 | 264.3 |
| 90° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

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