

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: P324383

Luminaire Tested: **GAN-SA9D-722-U-SLL-HSS**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P324383
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-SA9D-722-U-SLL-HSS
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(9) 70 CRI, 2200K, 1200mA 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: 37803 lumens
Efficiency: N/A
Efficacy: 65.7 lumens/watt
Luminous Opening: Rectangular (W 2.5' x L: 1' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B3 - U0 - G5

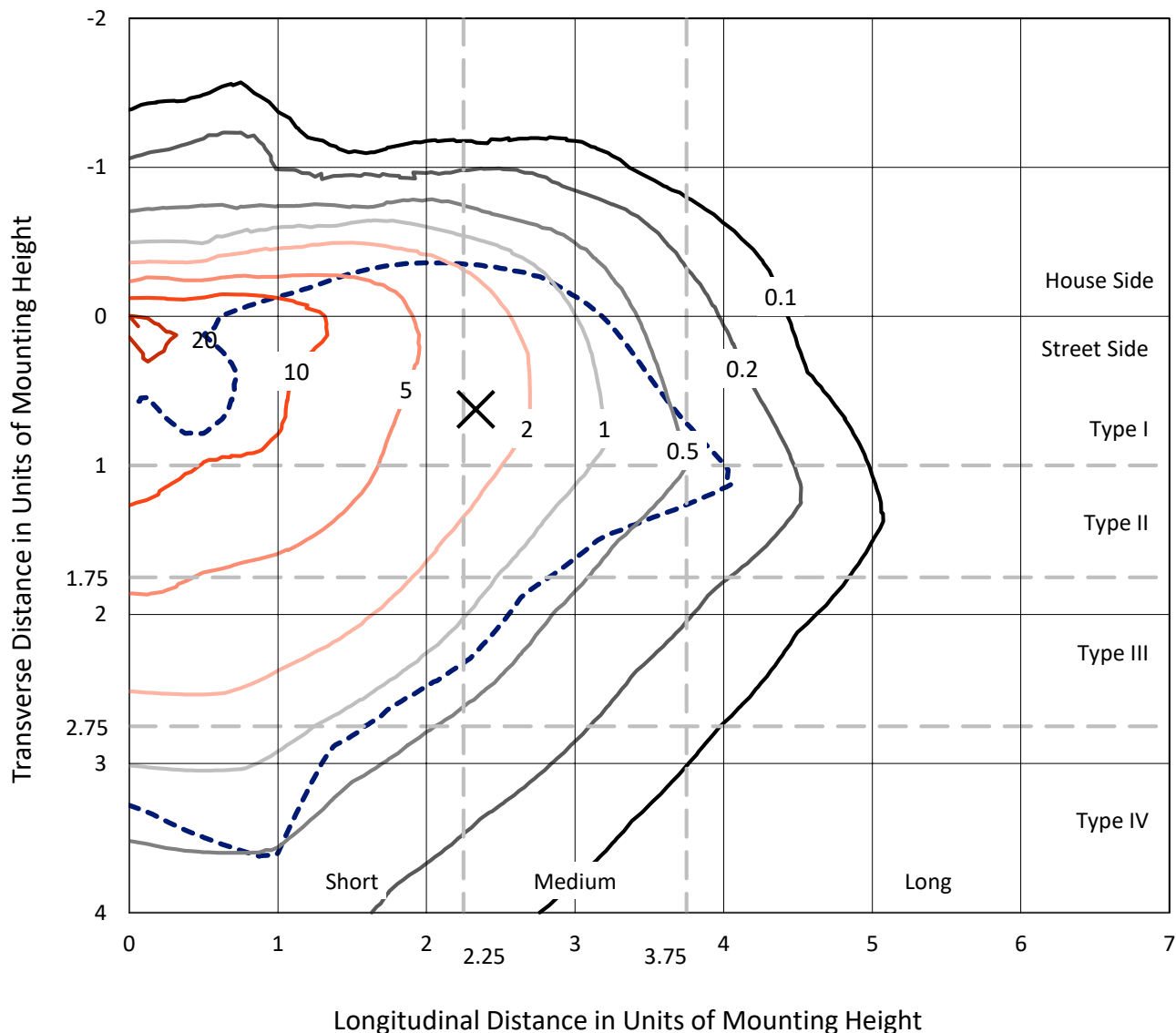
Input Watts (W): 575
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P324383
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Iso-Footcandle Lines of Horizontal Illumination

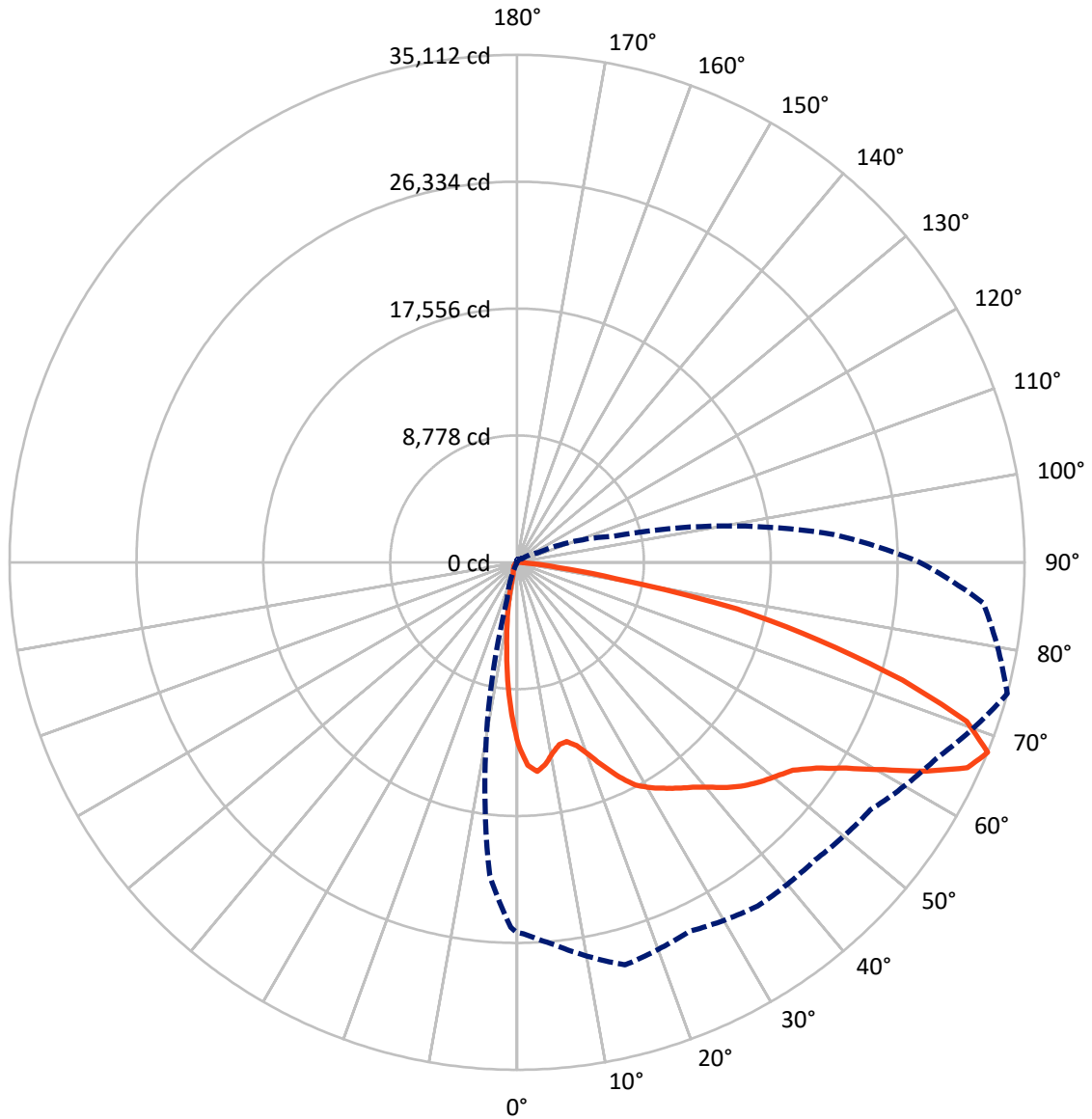
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 26.3 fc
 Type III - Medium - N/A

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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 | 5672.7 | 0.0 | 5672.7 |
| | % Fixture | 15.0 | 0.0 | 15.0 |
| Street Side | Lumens | 32130.3 | 0.0 | 32130.3 |
| | % Fixture | 85.0 | 0.0 | 85.0 |
| Total | Lumens | 37803.0 | 0.0 | 37803.0 |
| | % Fixture | 100.0 | 0.0 | 100.0 |

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|---------|-----------|
| 0°-10° | 962.0 | 2.5 |
| 10°-20° | 1894.2 | 5.0 |
| 20°-30° | 2679.8 | 7.1 |
| 30°-40° | 3940.0 | 10.4 |
| 40°-50° | 5663.1 | 15.0 |
| 50°-60° | 7972.1 | 21.1 |
| 60°-70° | 9310.7 | 24.6 |
| 70°-80° | 4750.0 | 12.6 |
| 80°-90° | 631.0 | 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° | 37803.0 | 100.0 |
| 0°-180° | 37803.0 | 100.0 |

Coefficient of Utilization

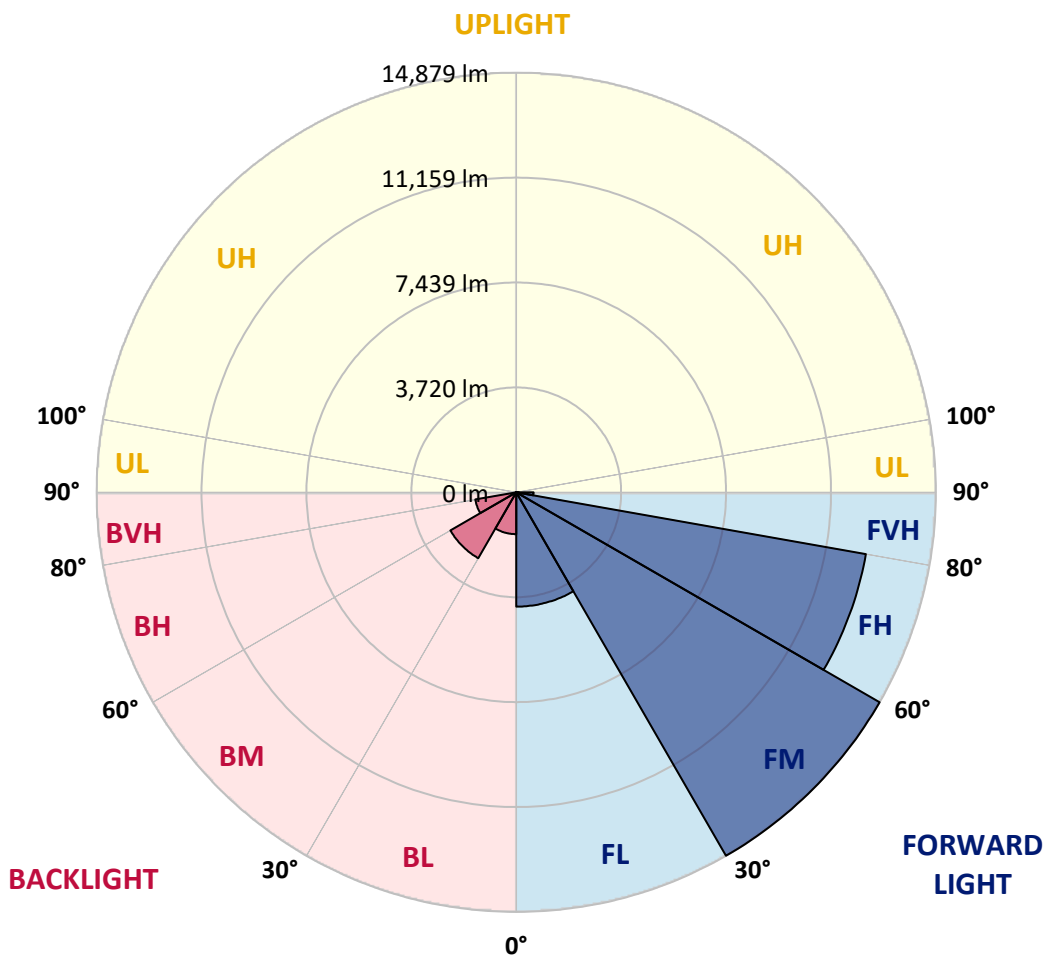


REPORT NUMBER: P324383
 CATALOG NUMBER: GAN-SA9D-722-U-SLL-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

| Zone | Lumens | % Fixture | Zone Rating/Lumen Limit | | |
|----------------|---------|-----------|-------------------------|------|---------|
| | | | B | U | G |
| FL (0°-30°) | 4052.5 | 10.7 | | | |
| FM (30°-60°) | 14878.6 | 39.4 | | | |
| FH (60°-80°) | 12587.3 | 33.3 | | | G5 |
| FVH (80°-90°) | 611.9 | 1.6 | | | G4/750 |
| BL (0°-30°) | 1483.5 | 3.9 | B3/2500 | | |
| BM (30°-60°) | 2696.6 | 7.1 | B3/5000 | | |
| BH (60°-80°) | 1473.5 | 3.9 | B3/2500 | | G3/2500 |
| BVH (80°-90°) | 19.1 | 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





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CANDELA DISTRIBUTION (FULL):

| | 0° | 1° | 5° | 15° | 25° | 35° | 45° | 55° | 65° | 75° | 85° |
|-------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 0° | 12682.3 | 12682.3 | 12682.3 | 12682.3 | 12682.3 | 12682.3 | 12682.3 | 12682.3 | 12682.3 | 12682.3 | 12682.3 |
| 2.5° | 13747.8 | 13769.3 | 13880.3 | 14138.2 | 14419.3 | 14440.8 | 14630.6 | 14435.4 | 14369.2 | 14054.0 | 13728.1 |
| 5° | 13851.6 | 13934.0 | 14315.4 | 15072.9 | 15730.2 | 15941.5 | 16091.9 | 15708.7 | 15305.7 | 14535.7 | 13713.7 |
| 7.5° | 13015.3 | 13153.2 | 13753.1 | 15175.0 | 16349.8 | 16869.1 | 16967.6 | 16367.7 | 15381.0 | 14113.1 | 12877.5 |
| 10° | 11944.5 | 12102.0 | 12825.5 | 14573.3 | 16186.8 | 17076.8 | 17212.9 | 16426.8 | 15008.5 | 13429.0 | 11973.1 |
| 12.5° | 11077.7 | 11262.2 | 12001.8 | 13896.4 | 15626.3 | 16611.2 | 16879.8 | 16228.0 | 14686.1 | 12943.7 | 11355.3 |
| 15° | 10678.4 | 10889.7 | 11666.9 | 13459.5 | 15004.9 | 15780.3 | 16002.4 | 15721.2 | 14507.1 | 12866.7 | 11212.0 |
| 17.5° | 10907.6 | 11136.8 | 11939.1 | 13497.1 | 14421.1 | 14752.4 | 14931.5 | 15046.1 | 14507.1 | 13330.5 | 11631.1 |
| 20° | 11847.8 | 12094.9 | 12943.7 | 13878.5 | 13937.6 | 13814.0 | 14005.6 | 14408.6 | 14675.4 | 14211.6 | 12637.5 |
| 22.5° | 13147.9 | 13438.0 | 14396.0 | 14532.1 | 13701.2 | 13233.8 | 13258.9 | 13891.0 | 14981.6 | 15329.0 | 14034.3 |
| 25° | 14732.7 | 15087.3 | 16061.5 | 15506.3 | 13799.7 | 12888.2 | 12879.2 | 13464.8 | 15280.7 | 16448.3 | 15590.5 |
| 27.5° | 16306.8 | 16697.2 | 17553.2 | 16695.4 | 14206.2 | 12825.5 | 12807.6 | 13335.9 | 15572.6 | 17443.9 | 17289.9 |
| 30° | 17626.6 | 18006.2 | 18744.0 | 17556.7 | 14644.9 | 12972.4 | 12886.4 | 13473.8 | 15746.3 | 18090.4 | 18529.1 |
| 32.5° | 18701.1 | 19005.5 | 19601.8 | 18149.5 | 15114.1 | 13257.1 | 13070.9 | 13842.7 | 16041.8 | 18636.6 | 19668.1 |
| 35° | 19883.0 | 20203.5 | 20441.7 | 18713.6 | 15640.6 | 13667.2 | 13400.4 | 14428.3 | 16496.6 | 19191.7 | 20916.2 |
| 37.5° | 21231.4 | 21550.2 | 21521.5 | 19229.3 | 16308.6 | 14345.9 | 14175.8 | 15355.9 | 17204.0 | 19741.5 | 22309.5 |
| 40° | 22551.2 | 22877.1 | 22644.3 | 19793.4 | 17092.9 | 15465.1 | 15339.8 | 16749.1 | 18151.3 | 20445.3 | 23942.6 |
| 42.5° | 23786.8 | 24139.6 | 23641.8 | 20327.1 | 18027.7 | 16876.3 | 17091.1 | 18543.5 | 19336.8 | 21312.0 | 25350.2 |
| 45° | 24782.5 | 25142.5 | 24478.1 | 20846.4 | 19012.6 | 18588.2 | 19234.7 | 20531.2 | 20762.2 | 22044.4 | 26301.1 |
| 47.5° | 25506.0 | 25846.2 | 25058.3 | 21365.7 | 20273.4 | 20681.6 | 21808.0 | 22615.7 | 22049.8 | 22680.2 | 26976.2 |
| 50° | 25968.0 | 26233.0 | 25228.4 | 22015.8 | 21928.0 | 23124.3 | 24488.8 | 24882.8 | 23262.2 | 23253.2 | 27796.4 |
| 52.5° | 26261.7 | 26381.7 | 25353.8 | 22694.5 | 23654.3 | 25783.6 | 27114.1 | 27237.7 | 24510.3 | 23883.6 | 28901.3 |
| 55° | 27273.5 | 27370.2 | 26242.0 | 23516.4 | 25081.6 | 28113.4 | 29488.7 | 29374.1 | 25923.2 | 25117.4 | 30205.0 |
| 57.5° | 28999.8 | 29101.9 | 28077.5 | 24698.4 | 26236.6 | 29553.1 | 31209.6 | 31415.5 | 27579.7 | 26850.9 | 31601.8 |
| 60° | 29866.5 | 30056.3 | 29691.0 | 26195.4 | 27355.9 | 30473.6 | 32382.6 | 33039.8 | 29649.8 | 29135.9 | 32955.6 |
| 62.5° | 29080.4 | 29356.2 | 29886.2 | 27855.5 | 28467.9 | 30980.4 | 32747.9 | 33621.8 | 31770.1 | 31798.8 | 33790.1 |
| 65° | 27511.7 | 27731.9 | 28630.9 | 28765.2 | 29112.6 | 30917.7 | 31845.3 | 32808.8 | 33068.4 | 34245.0 | 33745.3 |
| 67.5° | 25617.0 | 25699.4 | 26462.3 | 28836.8 | 28177.8 | 29033.8 | 29134.1 | 29846.8 | 32042.3 | 35111.7 | 32389.7 |
| 70° | 22889.7 | 22934.4 | 23600.6 | 26439.0 | 24214.8 | 24402.9 | 24254.2 | 24399.3 | 27547.5 | 33000.4 | 28967.6 |
| 72.5° | 18421.7 | 18534.5 | 19481.8 | 21956.7 | 17640.9 | 17098.3 | 18265.9 | 18201.4 | 21215.3 | 27880.6 | 21514.4 |
| 75° | 13563.3 | 13758.5 | 15189.3 | 17685.7 | 12381.4 | 11199.5 | 12051.9 | 12279.3 | 15081.9 | 21566.3 | 13454.1 |
| 77.5° | 9496.5 | 9641.5 | 11027.6 | 13001.0 | 8961.0 | 8008.3 | 7700.3 | 7970.7 | 9954.9 | 15601.2 | 6778.1 |
| 80° | 5470.8 | 5524.5 | 6409.2 | 7506.9 | 6038.5 | 6908.8 | 6258.8 | 6445.0 | 5965.1 | 6941.0 | 2915.4 |
| 82.5° | 3579.8 | 3588.7 | 3934.3 | 4468.0 | 3760.6 | 4369.5 | 3234.1 | 4134.9 | 3669.3 | 2788.2 | 949.1 |
| 85° | 1934.0 | 1944.8 | 2281.4 | 3171.5 | 2129.2 | 1203.4 | 707.4 | 1452.3 | 2268.9 | 639.3 | 259.7 |
| 87.5° | 213.1 | 195.2 | 687.7 | 1153.3 | 591.0 | 109.2 | 37.6 | 163.0 | 363.5 | 41.2 | 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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CANDELA DISTRIBUTION (continued):

| | 90° | 95° | 105° | 115° | 125° | 135° | 145° | 155° | 165° | 175° | 180° |
|-------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 0° | 12682.3 | 12682.3 | 12682.3 | 12682.3 | 12682.3 | 12682.3 | 12682.3 | 12682.3 | 12682.3 | 12682.3 | 12682.3 |
| 2.5° | 13561.5 | 13412.9 | 13042.2 | 12650.0 | 12334.8 | 12039.4 | 11742.1 | 11378.6 | 11097.4 | 11040.1 | 10947.0 |
| 5° | 13271.4 | 12800.5 | 12023.3 | 11242.5 | 10613.9 | 9820.6 | 9317.4 | 8925.2 | 8542.0 | 8518.7 | 8441.7 |
| 7.5° | 12257.8 | 11638.2 | 10544.1 | 9464.2 | 8579.6 | 7823.9 | 7061.0 | 6550.7 | 6149.5 | 6008.0 | 5923.9 |
| 10° | 11283.7 | 10587.1 | 9220.7 | 7988.6 | 7198.9 | 6531.0 | 5993.7 | 5460.1 | 4976.6 | 4643.5 | 4493.1 |
| 12.5° | 10603.2 | 9833.1 | 8327.1 | 7265.2 | 6699.3 | 6065.4 | 5409.9 | 4743.8 | 4186.8 | 3785.7 | 3540.4 |
| 15° | 10339.9 | 9518.0 | 8028.0 | 6978.6 | 6280.2 | 5478.0 | 4639.9 | 3878.8 | 3261.0 | 2897.5 | 2677.2 |
| 17.5° | 10653.3 | 9697.0 | 8004.8 | 6629.4 | 5653.5 | 4656.0 | 3730.2 | 2831.2 | 2249.2 | 1973.4 | 1832.0 |
| 20° | 11448.4 | 10266.5 | 7995.8 | 6201.4 | 4908.5 | 3681.8 | 2526.8 | 1862.4 | 1509.6 | 1355.6 | 1289.4 |
| 22.5° | 12573.0 | 10993.6 | 8067.4 | 5778.8 | 4133.1 | 2630.6 | 1744.2 | 1368.2 | 1187.3 | 1104.9 | 1067.3 |
| 25° | 14020.0 | 12014.3 | 8269.8 | 5395.6 | 3404.3 | 1962.7 | 1359.2 | 1146.1 | 1019.0 | 954.5 | 927.6 |
| 27.5° | 15561.8 | 13189.0 | 8585.0 | 5062.5 | 2811.5 | 1565.1 | 1164.0 | 981.3 | 890.0 | 845.2 | 820.2 |
| 30° | 16833.3 | 14550.0 | 8903.7 | 4691.8 | 2381.7 | 1364.6 | 1065.5 | 895.4 | 789.7 | 761.1 | 737.8 |
| 32.5° | 17945.3 | 15579.7 | 9129.4 | 4357.0 | 2100.6 | 1212.4 | 963.4 | 800.5 | 728.8 | 673.3 | 648.3 |
| 35° | 19096.8 | 16437.5 | 9122.2 | 4122.4 | 1907.2 | 1097.7 | 877.5 | 716.3 | 630.4 | 565.9 | 546.2 |
| 37.5° | 20343.2 | 17406.3 | 8966.4 | 3921.8 | 1823.0 | 1006.4 | 829.1 | 671.5 | 585.6 | 521.1 | 496.0 |
| 40° | 21802.7 | 18423.5 | 8807.0 | 3733.8 | 1799.7 | 933.0 | 795.1 | 635.7 | 544.4 | 481.7 | 456.6 |
| 42.5° | 23224.5 | 19340.4 | 8667.3 | 3594.1 | 1699.4 | 931.2 | 764.7 | 608.9 | 512.2 | 451.3 | 422.6 |
| 45° | 24361.7 | 20194.6 | 8640.5 | 3509.9 | 1593.8 | 963.4 | 748.5 | 591.0 | 487.1 | 426.2 | 399.3 |
| 47.5° | 25307.2 | 21122.2 | 8812.4 | 3450.8 | 1493.5 | 879.3 | 787.9 | 578.4 | 463.8 | 404.7 | 374.3 |
| 50° | 26431.8 | 22261.1 | 9217.1 | 3354.1 | 1387.8 | 791.5 | 902.5 | 582.0 | 444.1 | 383.2 | 351.0 |
| 52.5° | 28000.5 | 23837.0 | 9811.6 | 3191.2 | 1242.8 | 710.9 | 888.2 | 585.6 | 422.6 | 359.9 | 327.7 |
| 55° | 29759.1 | 25805.1 | 10451.0 | 2920.8 | 1040.4 | 605.3 | 761.1 | 560.5 | 381.4 | 334.9 | 304.4 |
| 57.5° | 31607.2 | 27590.5 | 10830.6 | 2598.4 | 827.3 | 522.9 | 608.9 | 510.4 | 336.7 | 300.8 | 281.2 |
| 60° | 31897.3 | 28269.2 | 10656.9 | 2202.7 | 657.2 | 454.9 | 451.3 | 519.3 | 300.8 | 265.0 | 250.7 |
| 62.5° | 31175.6 | 27416.7 | 9817.0 | 1849.9 | 549.8 | 399.3 | 370.7 | 453.1 | 272.2 | 236.4 | 222.1 |
| 65° | 29787.7 | 25112.0 | 8456.0 | 1667.2 | 510.4 | 342.0 | 308.0 | 318.8 | 238.2 | 205.9 | 193.4 |
| 67.5° | 27857.3 | 22035.5 | 6942.8 | 1563.3 | 505.0 | 293.7 | 263.2 | 241.8 | 205.9 | 179.1 | 168.3 |
| 70° | 23910.4 | 18357.2 | 5538.9 | 1506.0 | 490.7 | 247.1 | 222.1 | 197.0 | 171.9 | 152.2 | 143.3 |
| 72.5° | 17597.9 | 13008.2 | 4308.6 | 1443.4 | 494.3 | 197.0 | 193.4 | 163.0 | 137.9 | 118.2 | 114.6 |
| 75° | 10168.0 | 7431.7 | 2825.8 | 1169.4 | 471.0 | 152.2 | 161.2 | 114.6 | 96.7 | 82.4 | 82.4 |
| 77.5° | 5418.9 | 4532.4 | 1076.3 | 487.1 | 171.9 | 96.7 | 91.3 | 68.0 | 60.9 | 50.1 | 48.4 |
| 80° | 2362.0 | 1994.9 | 324.1 | 136.1 | 94.9 | 51.9 | 34.0 | 30.4 | 26.9 | 21.5 | 19.7 |
| 82.5° | 836.3 | 721.7 | 105.7 | 66.3 | 41.2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 85° | 189.8 | 136.1 | 0.0 | 16.1 | 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: P324383
 CATALOG NUMBER: GAN-SA9D-722-U-SLL-HSS

CANDELA DISTRIBUTION (continued):

| | 185° | 195° | 205° | 215° | 225° | 235° | 245° | 255° | 265° | 270° | 275° |
|-------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 0° | 12682.3 | 12682.3 | 12682.3 | 12682.3 | 12682.3 | 12682.3 | 12682.3 | 12682.3 | 12682.3 | 12682.3 | 12682.3 |
| 2.5° | 10757.2 | 10717.8 | 10485.0 | 10493.9 | 10535.1 | 10594.2 | 10454.5 | 10519.0 | 10692.7 | 10859.3 | 10921.9 |
| 5° | 8318.1 | 8327.1 | 8185.6 | 8273.4 | 8352.2 | 8405.9 | 8180.3 | 8183.8 | 8321.7 | 8509.8 | 8608.2 |
| 7.5° | 5861.2 | 5846.9 | 5854.0 | 6063.6 | 6212.2 | 6104.7 | 6188.9 | 5897.0 | 5914.9 | 6049.2 | 5949.0 |
| 10° | 4357.0 | 4160.0 | 4048.9 | 4206.5 | 4369.5 | 4310.4 | 4165.3 | 4070.4 | 4136.7 | 4285.3 | 4274.6 |
| 12.5° | 3424.0 | 3141.0 | 2974.5 | 2861.7 | 2996.0 | 2884.9 | 2881.4 | 2799.0 | 2709.4 | 2725.6 | 2963.7 |
| 15° | 2575.1 | 2369.2 | 2172.2 | 1991.3 | 1987.8 | 1950.2 | 1758.5 | 1543.6 | 1525.7 | 1536.5 | 1660.0 |
| 17.5° | 1771.1 | 1701.2 | 1620.7 | 1464.9 | 1423.7 | 1266.1 | 1079.8 | 993.9 | 950.9 | 970.6 | 1011.8 |
| 20° | 1244.6 | 1217.7 | 1226.7 | 1142.5 | 1083.4 | 933.0 | 823.8 | 789.7 | 782.6 | 802.3 | 822.0 |
| 22.5° | 1031.5 | 983.1 | 977.8 | 940.2 | 881.1 | 771.8 | 712.7 | 693.0 | 684.1 | 702.0 | 716.3 |
| 25° | 902.5 | 854.2 | 834.5 | 811.2 | 748.5 | 673.3 | 637.5 | 619.6 | 610.7 | 621.4 | 630.4 |
| 27.5° | 795.1 | 750.3 | 732.4 | 716.3 | 655.4 | 601.7 | 573.0 | 556.9 | 549.8 | 553.3 | 562.3 |
| 30° | 714.5 | 675.1 | 651.8 | 632.1 | 580.2 | 542.6 | 517.5 | 501.4 | 494.3 | 494.3 | 503.2 |
| 32.5° | 630.4 | 608.9 | 587.4 | 562.3 | 514.0 | 488.9 | 463.8 | 445.9 | 438.7 | 440.5 | 447.7 |
| 35° | 524.7 | 517.5 | 522.9 | 499.6 | 458.4 | 436.9 | 411.9 | 392.2 | 386.8 | 388.6 | 395.8 |
| 37.5° | 465.6 | 433.4 | 453.1 | 440.5 | 417.3 | 388.6 | 356.4 | 338.5 | 329.5 | 334.9 | 338.5 |
| 40° | 428.0 | 388.6 | 374.3 | 386.8 | 383.2 | 336.7 | 308.0 | 290.1 | 282.9 | 284.7 | 288.3 |
| 42.5° | 395.8 | 349.2 | 317.0 | 315.2 | 336.7 | 293.7 | 263.2 | 247.1 | 238.2 | 238.2 | 241.8 |
| 45° | 365.3 | 315.2 | 275.8 | 245.3 | 282.9 | 248.9 | 220.3 | 205.9 | 195.2 | 195.2 | 197.0 |
| 47.5° | 342.0 | 286.5 | 240.0 | 200.6 | 213.1 | 204.1 | 180.9 | 166.5 | 155.8 | 155.8 | 157.6 |
| 50° | 320.5 | 257.9 | 207.7 | 168.3 | 159.4 | 168.3 | 146.8 | 130.7 | 123.6 | 121.8 | 125.4 |
| 52.5° | 297.3 | 229.2 | 177.3 | 143.3 | 125.4 | 127.1 | 114.6 | 103.9 | 94.9 | 94.9 | 98.5 |
| 55° | 274.0 | 205.9 | 154.0 | 121.8 | 103.9 | 94.9 | 91.3 | 84.2 | 77.0 | 77.0 | 80.6 |
| 57.5° | 250.7 | 180.9 | 130.7 | 100.3 | 82.4 | 75.2 | 75.2 | 69.8 | 64.5 | 64.5 | 68.0 |
| 60° | 229.2 | 155.8 | 107.4 | 82.4 | 64.5 | 62.7 | 64.5 | 59.1 | 55.5 | 55.5 | 59.1 |
| 62.5° | 204.1 | 132.5 | 87.7 | 68.0 | 51.9 | 50.1 | 55.5 | 51.9 | 48.4 | 48.4 | 51.9 |
| 65° | 173.7 | 112.8 | 69.8 | 51.9 | 39.4 | 39.4 | 46.6 | 43.0 | 39.4 | 39.4 | 43.0 |
| 67.5° | 146.8 | 94.9 | 53.7 | 37.6 | 28.7 | 30.4 | 39.4 | 35.8 | 34.0 | 34.0 | 37.6 |
| 70° | 121.8 | 73.4 | 37.6 | 23.3 | 16.1 | 23.3 | 30.4 | 30.4 | 30.4 | 30.4 | 34.0 |
| 72.5° | 91.3 | 50.1 | 21.5 | 9.0 | 7.2 | 16.1 | 25.1 | 28.7 | 26.9 | 26.9 | 32.2 |
| 75° | 59.1 | 28.7 | 7.2 | 0.0 | 0.0 | 9.0 | 19.7 | 23.3 | 23.3 | 21.5 | 26.9 |
| 77.5° | 34.0 | 9.0 | 0.0 | 0.0 | 0.0 | 0.0 | 12.5 | 10.7 | 9.0 | 7.2 | 12.5 |
| 80° | 9.0 | 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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| 65° | 57.3 | 71.6 | 80.6 | 89.5 | 109.2 | 157.6 | 3599.5 | 23906.8 | 27080.1 | 27511.7 |
| 67.5° | 50.1 | 62.7 | 71.6 | 80.6 | 98.5 | 139.7 | 2650.3 | 21756.1 | 25258.9 | 25617.0 |
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| 72.5° | 43.0 | 50.1 | 59.1 | 64.5 | 75.2 | 103.9 | 814.8 | 13566.9 | 18179.9 | 18421.7 |
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| 77.5° | 30.4 | 41.2 | 48.4 | 51.9 | 57.3 | 73.4 | 168.3 | 5694.7 | 9245.8 | 9496.5 |
| 80° | 10.7 | 30.4 | 41.2 | 43.0 | 48.4 | 53.7 | 111.0 | 3117.7 | 5363.4 | 5470.8 |
| 82.5° | 0.0 | 19.7 | 32.2 | 30.4 | 34.0 | 41.2 | 71.6 | 1482.8 | 3540.4 | 3579.8 |
| 85° | 0.0 | 9.0 | 25.1 | 19.7 | 14.3 | 28.7 | 25.1 | 324.1 | 1857.0 | 1934.0 |
| 87.5° | 0.0 | 0.0 | 1.8 | 9.0 | 7.2 | 10.7 | 3.6 | 1.8 | 168.3 | 213.1 |
| 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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