

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: P324121

Luminaire Tested: **GAN-SA7B-730-U-SLL-HSS**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P324121
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-SA7B-730-U-SLL-HSS
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(7) 70 CRI, 3000K, 800mA 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: 27290 lumens
Efficiency: N/A
Efficacy: 92.5 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B3 - U0 - G4

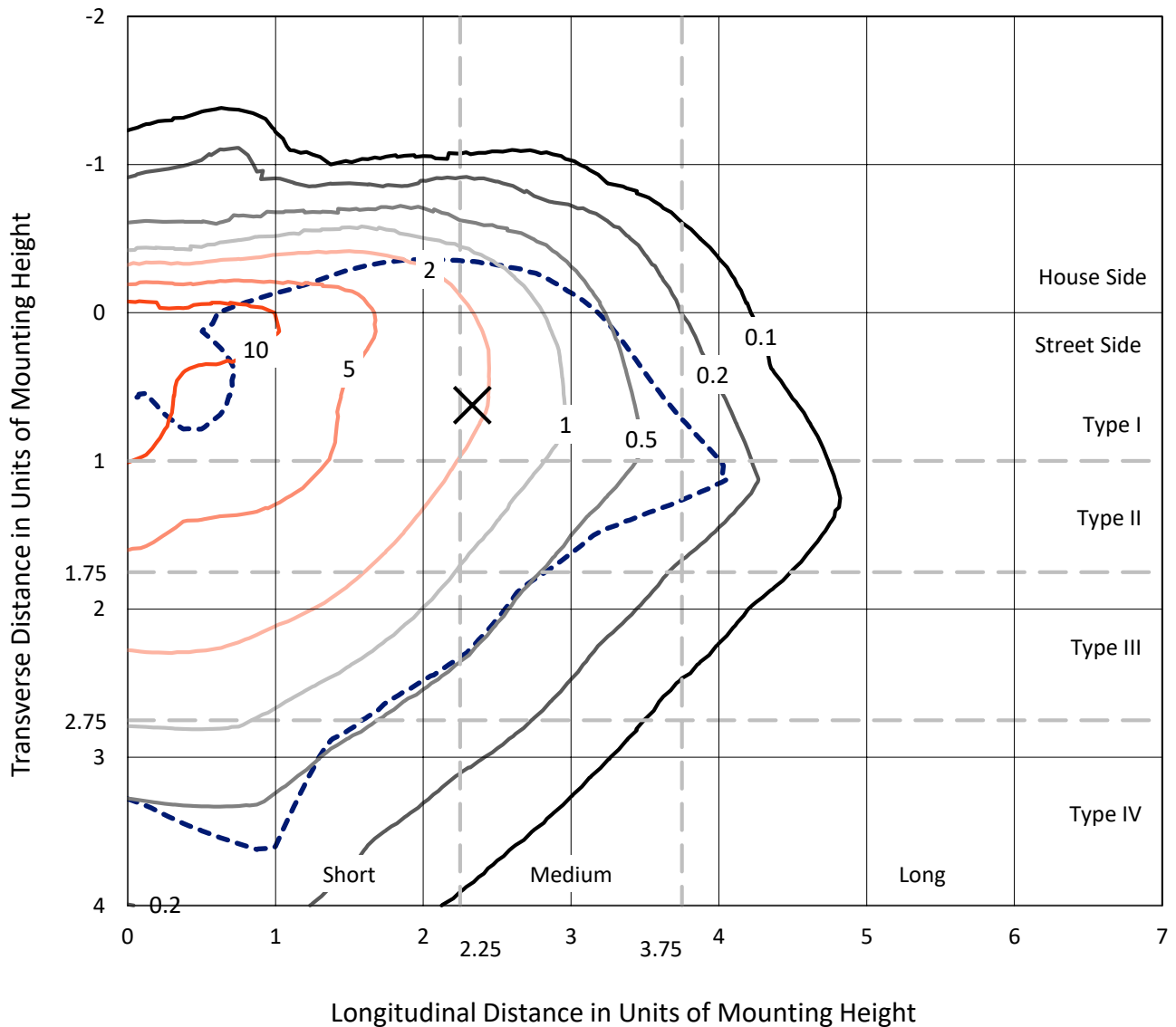
Input Watts (W): 295
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P324121
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Iso-Footcandle Lines of Horizontal Illumination

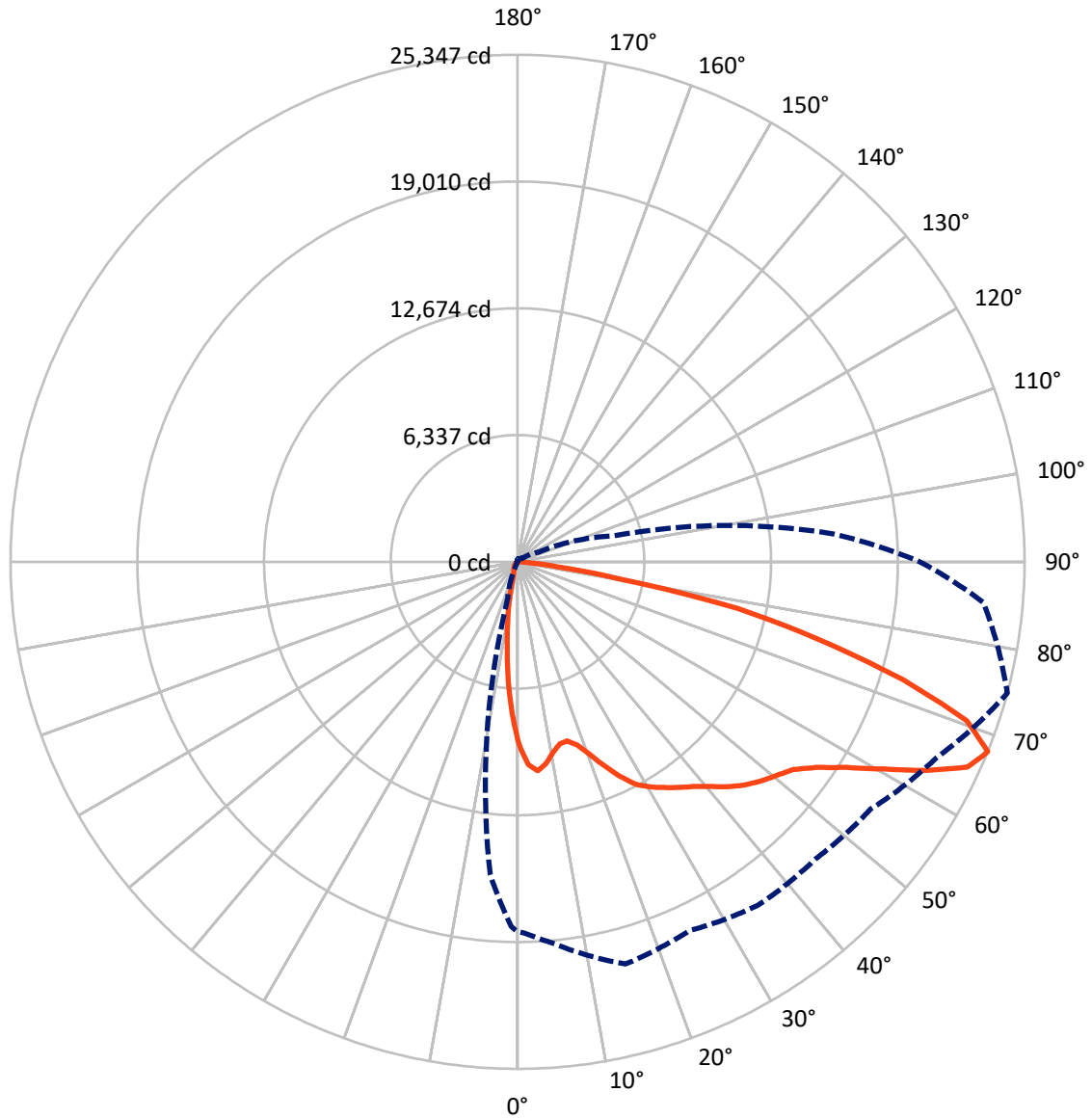
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 19 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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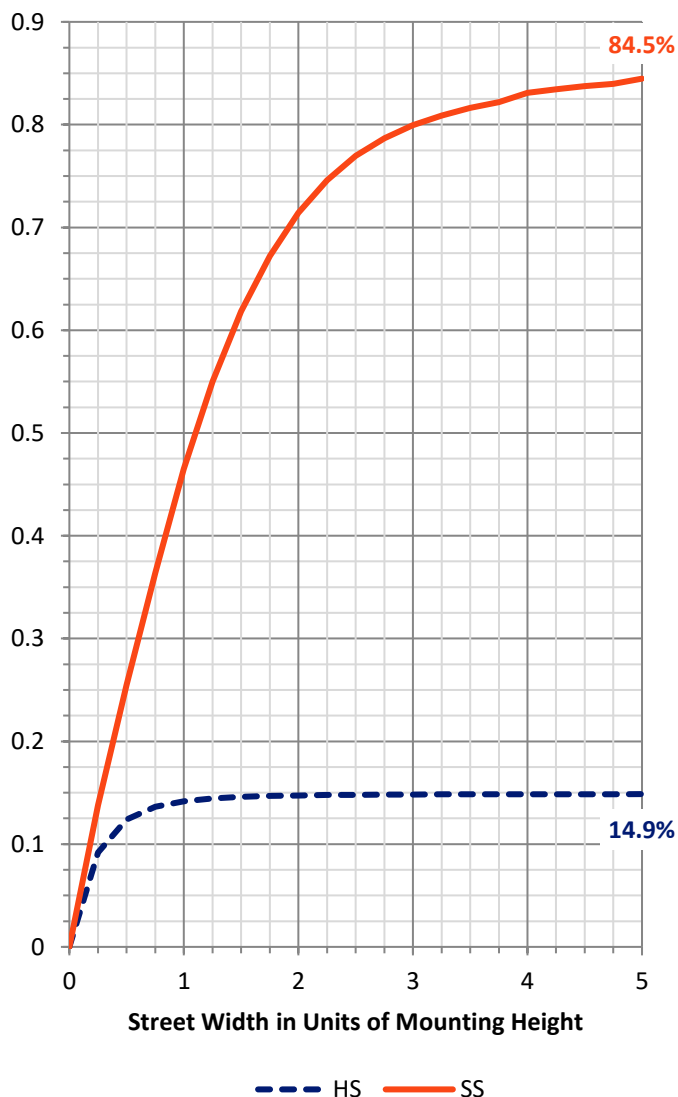
FLUX DISTRIBUTION:

| | | Downward | Upward | Total |
|--------------------|-----------|----------|--------|---------|
| House Side | Lumens | 4095.1 | 0.0 | 4095.1 |
| | % Fixture | 15.0 | 0.0 | 15.0 |
| Street Side | Lumens | 23194.8 | 0.0 | 23194.8 |
| | % Fixture | 85.0 | 0.0 | 85.0 |
| Total | Lumens | 27290.0 | 0.0 | 27290.0 |
| | % Fixture | 100.0 | 0.0 | 100.0 |

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|---------|-----------|
| 0°-10° | 694.5 | 2.5 |
| 10°-20° | 1367.4 | 5.0 |
| 20°-30° | 1934.5 | 7.1 |
| 30°-40° | 2844.3 | 10.4 |
| 40°-50° | 4088.2 | 15.0 |
| 50°-60° | 5755.1 | 21.1 |
| 60°-70° | 6721.4 | 24.6 |
| 70°-80° | 3429.1 | 12.6 |
| 80°-90° | 455.5 | 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° | 27290.0 | 100.0 |
| 0°-180° | 27290.0 | 100.0 |

Coefficient of Utilization

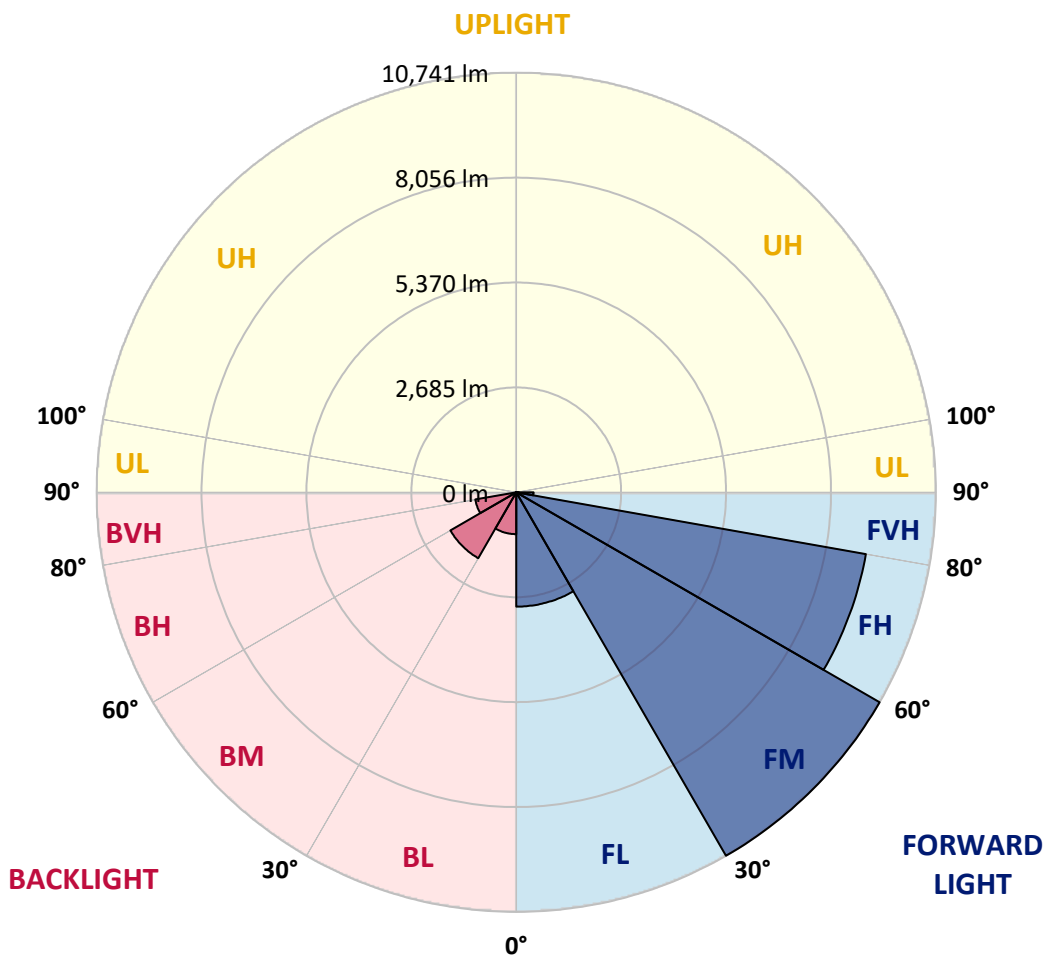


REPORT NUMBER: P324121
 CATALOG NUMBER: GAN-SA7B-730-U-SLL-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

| Zone | Lumens | % Fixture | Zone Rating/Lumen Limit | | |
|----------------|---------|-----------|-------------------------|------|----------|
| | | | B | U | G |
| FL (0°-30°) | 2925.5 | 10.7 | | | |
| FM (30°-60°) | 10740.9 | 39.4 | | | |
| FH (60°-80°) | 9086.8 | 33.3 | | | G4/12000 |
| FVH (80°-90°) | 441.7 | 1.6 | | | G3/500 |
| BL (0°-30°) | 1070.9 | 3.9 | B3/2500 | | |
| BM (30°-60°) | 1946.7 | 7.1 | B2/2500 | | |
| BH (60°-80°) | 1063.7 | 3.9 | B3/2500 | | G3/2500 |
| BVH (80°-90°) | 13.8 | 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-G4
 Type III Medium





REPORT NUMBER: P324121

CATALOG NUMBER: GAN-SA7B-730-U-SLL-HSS

CANDELA DISTRIBUTION (FULL):

| | 0° | 1° | 5° | 15° | 25° | 35° | 45° | 55° | 65° | 75° | 85° |
|-------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 0° | 9155.3 | 9155.3 | 9155.3 | 9155.3 | 9155.3 | 9155.3 | 9155.3 | 9155.3 | 9155.3 | 9155.3 | 9155.3 |
| 2.5° | 9924.5 | 9940.0 | 10020.2 | 10206.3 | 10409.3 | 10424.8 | 10561.9 | 10420.9 | 10373.1 | 10145.6 | 9910.3 |
| 5° | 9999.5 | 10059.0 | 10334.3 | 10881.2 | 11355.6 | 11508.2 | 11616.7 | 11340.1 | 11049.2 | 10493.3 | 9900.0 |
| 7.5° | 9395.8 | 9495.3 | 9928.4 | 10954.9 | 11802.9 | 12177.8 | 12248.9 | 11815.8 | 11103.5 | 10188.2 | 9296.2 |
| 10° | 8622.7 | 8736.5 | 9258.7 | 10520.5 | 11685.3 | 12327.8 | 12426.0 | 11858.5 | 10834.6 | 9694.4 | 8643.4 |
| 12.5° | 7997.0 | 8130.2 | 8664.1 | 10031.8 | 11280.6 | 11991.6 | 12185.6 | 11715.0 | 10601.9 | 9344.1 | 8197.4 |
| 15° | 7708.7 | 7861.3 | 8422.3 | 9716.4 | 10832.0 | 11391.8 | 11552.1 | 11349.1 | 10472.7 | 9288.5 | 8094.0 |
| 17.5° | 7874.2 | 8039.7 | 8618.8 | 9743.5 | 10410.6 | 10649.8 | 10779.0 | 10861.8 | 10472.7 | 9623.3 | 8396.5 |
| 20° | 8552.9 | 8731.3 | 9344.1 | 10018.9 | 10061.6 | 9972.4 | 10110.7 | 10401.5 | 10594.2 | 10259.3 | 9123.0 |
| 22.5° | 9491.4 | 9700.9 | 10392.5 | 10490.7 | 9890.9 | 9553.5 | 9571.6 | 10027.9 | 10815.2 | 11066.0 | 10131.4 |
| 25° | 10635.5 | 10891.5 | 11594.8 | 11194.0 | 9962.0 | 9304.0 | 9297.5 | 9720.3 | 11031.1 | 11874.0 | 11254.8 |
| 27.5° | 11771.9 | 12053.7 | 12671.6 | 12052.4 | 10255.5 | 9258.7 | 9245.8 | 9627.2 | 11241.8 | 12592.8 | 12481.6 |
| 30° | 12724.6 | 12998.7 | 13531.3 | 12674.2 | 10572.2 | 9364.8 | 9302.7 | 9726.7 | 11367.2 | 13059.5 | 13376.2 |
| 32.5° | 13500.3 | 13720.1 | 14150.6 | 13102.1 | 10910.9 | 9570.3 | 9435.9 | 9993.0 | 11580.5 | 13453.8 | 14198.4 |
| 35° | 14353.5 | 14584.9 | 14756.9 | 13509.3 | 11291.0 | 9866.3 | 9673.7 | 10415.8 | 11908.9 | 13854.5 | 15099.4 |
| 37.5° | 15327.0 | 15557.1 | 15536.4 | 13881.7 | 11773.2 | 10356.3 | 10233.5 | 11085.4 | 12419.5 | 14251.4 | 16105.2 |
| 40° | 16279.7 | 16515.0 | 16347.0 | 14288.9 | 12339.4 | 11164.3 | 11073.8 | 12091.2 | 13103.4 | 14759.4 | 17284.2 |
| 42.5° | 17171.7 | 17426.4 | 17067.0 | 14674.1 | 13014.2 | 12183.0 | 12338.1 | 13386.5 | 13959.2 | 15385.1 | 18300.3 |
| 45° | 17890.5 | 18150.4 | 17670.7 | 15049.0 | 13725.2 | 13418.9 | 13885.5 | 14821.5 | 14988.3 | 15913.9 | 18986.8 |
| 47.5° | 18412.8 | 18658.4 | 18089.6 | 15423.9 | 14635.3 | 14930.1 | 15743.2 | 16326.3 | 15917.8 | 16372.8 | 19474.1 |
| 50° | 18746.3 | 18937.6 | 18212.4 | 15893.2 | 15829.8 | 16693.4 | 17678.5 | 17962.9 | 16793.0 | 16786.5 | 20066.2 |
| 52.5° | 18958.3 | 19044.9 | 18302.9 | 16383.2 | 17076.1 | 18613.2 | 19573.7 | 19662.9 | 17694.0 | 17241.5 | 20863.9 |
| 55° | 19688.7 | 19758.5 | 18944.1 | 16976.5 | 18106.4 | 20295.0 | 21287.9 | 21205.1 | 18714.0 | 18132.3 | 21805.0 |
| 57.5° | 20935.0 | 21008.6 | 20269.2 | 17829.7 | 18940.2 | 21334.4 | 22530.2 | 22678.9 | 19909.8 | 19383.6 | 22813.3 |
| 60° | 21560.7 | 21697.7 | 21434.0 | 18910.5 | 19748.2 | 21998.9 | 23377.0 | 23851.4 | 21404.2 | 21033.2 | 23790.7 |
| 62.5° | 20993.1 | 21192.2 | 21574.9 | 20108.9 | 20551.0 | 22364.8 | 23640.7 | 24271.6 | 22934.9 | 22955.5 | 24393.1 |
| 65° | 19860.7 | 20019.7 | 20668.7 | 20765.6 | 21016.4 | 22319.5 | 22989.2 | 23684.7 | 23872.1 | 24721.5 | 24360.8 |
| 67.5° | 18492.9 | 18552.4 | 19103.1 | 20817.3 | 20341.6 | 20959.5 | 21031.9 | 21546.4 | 23131.4 | 25347.2 | 23382.2 |
| 70° | 16524.1 | 16556.4 | 17037.3 | 19086.3 | 17480.7 | 17616.4 | 17509.1 | 17613.9 | 19886.5 | 23823.0 | 20911.7 |
| 72.5° | 13298.6 | 13380.1 | 14063.9 | 15850.5 | 12735.0 | 12343.3 | 13186.2 | 13139.6 | 15315.3 | 20127.0 | 15531.2 |
| 75° | 9791.4 | 9932.3 | 10965.2 | 12767.3 | 8938.1 | 8084.9 | 8700.3 | 8864.5 | 10887.6 | 15568.7 | 9712.5 |
| 77.5° | 6855.5 | 6960.2 | 7960.8 | 9385.4 | 6469.0 | 5781.2 | 5558.9 | 5754.1 | 7186.5 | 11262.5 | 4893.1 |
| 80° | 3949.4 | 3988.2 | 4626.8 | 5419.3 | 4359.2 | 4987.5 | 4518.2 | 4652.6 | 4306.2 | 5010.7 | 2104.6 |
| 82.5° | 2584.2 | 2590.7 | 2840.2 | 3225.4 | 2714.8 | 3154.3 | 2334.7 | 2985.0 | 2648.9 | 2012.8 | 685.2 |
| 85° | 1396.2 | 1403.9 | 1647.0 | 2289.5 | 1537.1 | 868.7 | 510.6 | 1048.4 | 1637.9 | 461.5 | 187.5 |
| 87.5° | 153.8 | 140.9 | 496.4 | 832.5 | 426.6 | 78.9 | 27.1 | 117.6 | 262.4 | 29.7 | 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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 CATALOG NUMBER: GAN-SA7B-730-U-SLL-HSS

CANDELA DISTRIBUTION (continued):

| | 90° | 95° | 105° | 115° | 125° | 135° | 145° | 155° | 165° | 175° | 180° |
|-------|---------|---------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 9155.3 | 9155.3 | 9155.3 | 9155.3 | 9155.3 | 9155.3 | 9155.3 | 9155.3 | 9155.3 | 9155.3 | 9155.3 |
| 2.5° | 9790.1 | 9682.8 | 9415.2 | 9132.1 | 8904.5 | 8691.2 | 8476.6 | 8214.2 | 8011.2 | 7969.9 | 7902.6 |
| 5° | 9580.6 | 9240.7 | 8679.6 | 8115.9 | 7662.2 | 7089.5 | 6726.2 | 6443.1 | 6166.5 | 6149.7 | 6094.1 |
| 7.5° | 8848.9 | 8401.6 | 7611.8 | 6832.2 | 6193.6 | 5648.1 | 5097.4 | 4728.9 | 4439.3 | 4337.2 | 4276.5 |
| 10° | 8145.7 | 7642.8 | 6656.4 | 5767.0 | 5196.9 | 4714.7 | 4326.9 | 3941.6 | 3592.6 | 3352.1 | 3243.5 |
| 12.5° | 7654.4 | 7098.5 | 6011.3 | 5244.7 | 4836.2 | 4378.6 | 3905.4 | 3424.5 | 3022.5 | 2732.9 | 2555.8 |
| 15° | 7464.4 | 6871.0 | 5795.4 | 5037.9 | 4533.7 | 3954.6 | 3349.5 | 2800.1 | 2354.1 | 2091.7 | 1932.7 |
| 17.5° | 7690.6 | 7000.3 | 5778.6 | 4785.8 | 4081.2 | 3361.2 | 2692.8 | 2043.9 | 1623.7 | 1424.6 | 1322.5 |
| 20° | 8264.6 | 7411.4 | 5772.2 | 4476.8 | 3543.5 | 2657.9 | 1824.1 | 1344.5 | 1089.8 | 978.6 | 930.8 |
| 22.5° | 9076.5 | 7936.3 | 5823.9 | 4171.7 | 2983.7 | 1899.1 | 1259.1 | 987.7 | 857.1 | 797.6 | 770.5 |
| 25° | 10121.0 | 8673.1 | 5970.0 | 3895.1 | 2457.5 | 1416.9 | 981.2 | 827.4 | 735.6 | 689.0 | 669.6 |
| 27.5° | 11234.1 | 9521.2 | 6197.5 | 3654.6 | 2029.6 | 1129.9 | 840.3 | 708.4 | 642.5 | 610.2 | 592.1 |
| 30° | 12151.9 | 10503.7 | 6427.6 | 3387.0 | 1719.4 | 985.1 | 769.2 | 646.4 | 570.1 | 549.4 | 532.6 |
| 32.5° | 12954.8 | 11247.0 | 6590.5 | 3145.3 | 1516.4 | 875.2 | 695.5 | 577.9 | 526.2 | 486.1 | 468.0 |
| 35° | 13786.0 | 11866.2 | 6585.3 | 2975.9 | 1376.8 | 792.5 | 633.5 | 517.1 | 455.1 | 408.5 | 394.3 |
| 37.5° | 14685.8 | 12565.6 | 6472.9 | 2831.1 | 1316.0 | 726.5 | 598.5 | 484.8 | 422.7 | 376.2 | 358.1 |
| 40° | 15739.4 | 13299.9 | 6357.8 | 2695.4 | 1299.2 | 673.5 | 574.0 | 458.9 | 393.0 | 347.8 | 329.7 |
| 42.5° | 16765.8 | 13961.8 | 6257.0 | 2594.6 | 1226.8 | 672.2 | 552.0 | 439.5 | 369.7 | 325.8 | 305.1 |
| 45° | 17586.7 | 14578.5 | 6237.6 | 2533.8 | 1150.6 | 695.5 | 540.4 | 426.6 | 351.6 | 307.7 | 288.3 |
| 47.5° | 18269.3 | 15248.1 | 6361.7 | 2491.1 | 1078.2 | 634.7 | 568.8 | 417.6 | 334.8 | 292.2 | 270.2 |
| 50° | 19081.1 | 16070.3 | 6653.8 | 2421.3 | 1001.9 | 571.4 | 651.6 | 420.1 | 320.6 | 276.7 | 253.4 |
| 52.5° | 20213.6 | 17207.9 | 7083.0 | 2303.7 | 897.2 | 513.2 | 641.2 | 422.7 | 305.1 | 259.8 | 236.6 |
| 55° | 21483.1 | 18628.7 | 7544.5 | 2108.5 | 751.1 | 437.0 | 549.4 | 404.6 | 275.4 | 241.7 | 219.8 |
| 57.5° | 22817.2 | 19917.6 | 7818.6 | 1875.8 | 597.3 | 377.5 | 439.5 | 368.4 | 243.0 | 217.2 | 203.0 |
| 60° | 23026.6 | 20407.5 | 7693.2 | 1590.1 | 474.4 | 328.4 | 325.8 | 374.9 | 217.2 | 191.3 | 181.0 |
| 62.5° | 22505.7 | 19792.2 | 7086.9 | 1335.4 | 396.9 | 288.3 | 267.6 | 327.1 | 196.5 | 170.6 | 160.3 |
| 65° | 21503.8 | 18128.4 | 6104.4 | 1203.6 | 368.4 | 246.9 | 222.4 | 230.1 | 171.9 | 148.7 | 139.6 |
| 67.5° | 20110.2 | 15907.4 | 5012.0 | 1128.6 | 364.6 | 212.0 | 190.0 | 174.5 | 148.7 | 129.3 | 121.5 |
| 70° | 17260.9 | 13252.1 | 3998.5 | 1087.2 | 354.2 | 178.4 | 160.3 | 142.2 | 124.1 | 109.9 | 103.4 |
| 72.5° | 12704.0 | 9390.6 | 3110.4 | 1042.0 | 356.8 | 142.2 | 139.6 | 117.6 | 99.5 | 85.3 | 82.7 |
| 75° | 7340.3 | 5365.0 | 2040.0 | 844.2 | 340.0 | 109.9 | 116.3 | 82.7 | 69.8 | 59.5 | 59.5 |
| 77.5° | 3911.9 | 3272.0 | 776.9 | 351.6 | 124.1 | 69.8 | 65.9 | 49.1 | 44.0 | 36.2 | 34.9 |
| 80° | 1705.2 | 1440.1 | 234.0 | 98.2 | 68.5 | 37.5 | 24.6 | 22.0 | 19.4 | 15.5 | 14.2 |
| 82.5° | 603.7 | 521.0 | 76.3 | 47.8 | 29.7 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 85° | 137.0 | 98.2 | 0.0 | 11.6 | 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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 CATALOG NUMBER: GAN-SA7B-730-U-SLL-HSS

CANDELA DISTRIBUTION (continued):

| | 185° | 195° | 205° | 215° | 225° | 235° | 245° | 255° | 265° | 270° | 275° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 9155.3 | 9155.3 | 9155.3 | 9155.3 | 9155.3 | 9155.3 | 9155.3 | 9155.3 | 9155.3 | 9155.3 | 9155.3 |
| 2.5° | 7765.6 | 7737.2 | 7569.1 | 7575.6 | 7605.3 | 7648.0 | 7547.1 | 7593.7 | 7719.1 | 7839.3 | 7884.5 |
| 5° | 6004.9 | 6011.3 | 5909.2 | 5972.6 | 6029.4 | 6068.2 | 5905.3 | 5907.9 | 6007.5 | 6143.2 | 6214.3 |
| 7.5° | 4231.2 | 4220.9 | 4226.0 | 4377.3 | 4484.6 | 4407.0 | 4467.8 | 4257.1 | 4270.0 | 4366.9 | 4294.5 |
| 10° | 3145.3 | 3003.1 | 2922.9 | 3036.7 | 3154.3 | 3111.7 | 3007.0 | 2938.4 | 2986.3 | 3093.6 | 3085.8 |
| 12.5° | 2471.8 | 2267.5 | 2147.3 | 2065.8 | 2162.8 | 2082.6 | 2080.1 | 2020.6 | 1955.9 | 1967.6 | 2139.5 |
| 15° | 1859.0 | 1710.3 | 1568.1 | 1437.5 | 1435.0 | 1407.8 | 1269.5 | 1114.4 | 1101.4 | 1109.2 | 1198.4 |
| 17.5° | 1278.5 | 1228.1 | 1169.9 | 1057.5 | 1027.7 | 914.0 | 779.5 | 717.5 | 686.5 | 700.7 | 730.4 |
| 20° | 898.5 | 879.1 | 885.5 | 824.8 | 782.1 | 673.5 | 594.7 | 570.1 | 564.9 | 579.2 | 593.4 |
| 22.5° | 744.6 | 709.7 | 705.8 | 678.7 | 636.0 | 557.2 | 514.5 | 500.3 | 493.8 | 506.8 | 517.1 |
| 25° | 651.6 | 616.6 | 602.4 | 585.6 | 540.4 | 486.1 | 460.2 | 447.3 | 440.8 | 448.6 | 455.1 |
| 27.5° | 574.0 | 541.7 | 528.7 | 517.1 | 473.2 | 434.4 | 413.7 | 402.0 | 396.9 | 399.5 | 405.9 |
| 30° | 515.8 | 487.4 | 470.6 | 456.3 | 418.9 | 391.7 | 373.6 | 362.0 | 356.8 | 356.8 | 363.3 |
| 32.5° | 455.1 | 439.5 | 424.0 | 405.9 | 371.0 | 352.9 | 334.8 | 321.9 | 316.7 | 318.0 | 323.2 |
| 35° | 378.8 | 373.6 | 377.5 | 360.7 | 330.9 | 315.4 | 297.3 | 283.1 | 279.2 | 280.5 | 285.7 |
| 37.5° | 336.1 | 312.8 | 327.1 | 318.0 | 301.2 | 280.5 | 257.3 | 244.3 | 237.9 | 241.7 | 244.3 |
| 40° | 309.0 | 280.5 | 270.2 | 279.2 | 276.7 | 243.0 | 222.4 | 209.4 | 204.3 | 205.5 | 208.1 |
| 42.5° | 285.7 | 252.1 | 228.8 | 227.5 | 243.0 | 212.0 | 190.0 | 178.4 | 171.9 | 171.9 | 174.5 |
| 45° | 263.7 | 227.5 | 199.1 | 177.1 | 204.3 | 179.7 | 159.0 | 148.7 | 140.9 | 140.9 | 142.2 |
| 47.5° | 246.9 | 206.8 | 173.2 | 144.8 | 153.8 | 147.4 | 130.6 | 120.2 | 112.5 | 112.5 | 113.8 |
| 50° | 231.4 | 186.2 | 150.0 | 121.5 | 115.1 | 121.5 | 106.0 | 94.4 | 89.2 | 87.9 | 90.5 |
| 52.5° | 214.6 | 165.5 | 128.0 | 103.4 | 90.5 | 91.8 | 82.7 | 75.0 | 68.5 | 68.5 | 71.1 |
| 55° | 197.8 | 148.7 | 111.2 | 87.9 | 75.0 | 68.5 | 65.9 | 60.8 | 55.6 | 55.6 | 58.2 |
| 57.5° | 181.0 | 130.6 | 94.4 | 72.4 | 59.5 | 54.3 | 54.3 | 50.4 | 46.5 | 46.5 | 49.1 |
| 60° | 165.5 | 112.5 | 77.6 | 59.5 | 46.5 | 45.2 | 46.5 | 42.7 | 40.1 | 40.1 | 42.7 |
| 62.5° | 147.4 | 95.7 | 63.3 | 49.1 | 37.5 | 36.2 | 40.1 | 37.5 | 34.9 | 34.9 | 37.5 |
| 65° | 125.4 | 81.4 | 50.4 | 37.5 | 28.4 | 28.4 | 33.6 | 31.0 | 28.4 | 28.4 | 31.0 |
| 67.5° | 106.0 | 68.5 | 38.8 | 27.1 | 20.7 | 22.0 | 28.4 | 25.9 | 24.6 | 24.6 | 27.1 |
| 70° | 87.9 | 53.0 | 27.1 | 16.8 | 11.6 | 16.8 | 22.0 | 22.0 | 22.0 | 22.0 | 24.6 |
| 72.5° | 65.9 | 36.2 | 15.5 | 6.5 | 5.2 | 11.6 | 18.1 | 20.7 | 19.4 | 19.4 | 23.3 |
| 75° | 42.7 | 20.7 | 5.2 | 0.0 | 0.0 | 6.5 | 14.2 | 16.8 | 16.8 | 15.5 | 19.4 |
| 77.5° | 24.6 | 6.5 | 0.0 | 0.0 | 0.0 | 0.0 | 9.0 | 7.8 | 6.5 | 5.2 | 9.0 |
| 80° | 6.5 | 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° | 541.7 | 594.7 | 685.2 | 981.2 | 2122.7 | 3825.3 | 5748.9 | 8298.2 | 9276.8 | 9491.4 |
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| 27.5° | 430.5 | 475.7 | 545.5 | 646.4 | 990.3 | 2818.2 | 6116.0 | 10132.7 | 11549.5 | 11771.9 |
| 30° | 385.2 | 427.9 | 491.2 | 562.4 | 764.0 | 2193.8 | 6295.7 | 11066.0 | 12485.5 | 12724.6 |
| 32.5° | 342.6 | 381.4 | 438.2 | 491.2 | 625.7 | 1622.4 | 6315.1 | 11805.5 | 13262.4 | 13500.3 |
| 35° | 302.5 | 337.4 | 389.1 | 430.5 | 518.4 | 1281.1 | 6013.9 | 12446.7 | 14039.4 | 14353.5 |
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| 47.5° | 130.6 | 164.2 | 226.2 | 310.3 | 250.8 | 329.7 | 3477.5 | 15523.5 | 18112.9 | 18412.8 |
| 50° | 104.7 | 138.3 | 254.7 | 276.7 | 205.5 | 252.1 | 3286.2 | 15919.1 | 18458.0 | 18746.3 |
| 52.5° | 85.3 | 116.3 | 240.5 | 212.0 | 171.9 | 208.1 | 3389.6 | 16560.3 | 18777.3 | 18958.3 |
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| 57.5° | 62.1 | 73.7 | 100.8 | 113.8 | 122.8 | 157.7 | 3520.2 | 18801.9 | 20882.0 | 20935.0 |
| 60° | 53.0 | 64.6 | 84.0 | 91.8 | 106.0 | 140.9 | 3392.2 | 19263.4 | 21384.8 | 21560.7 |
| 62.5° | 46.5 | 56.9 | 69.8 | 76.3 | 89.2 | 126.7 | 3092.3 | 18595.1 | 20694.5 | 20993.1 |
| 65° | 41.4 | 51.7 | 58.2 | 64.6 | 78.9 | 113.8 | 2598.4 | 17258.3 | 19549.1 | 19860.7 |
| 67.5° | 36.2 | 45.2 | 51.7 | 58.2 | 71.1 | 100.8 | 1913.3 | 15705.7 | 18234.4 | 18492.9 |
| 70° | 32.3 | 40.1 | 46.5 | 51.7 | 62.1 | 85.3 | 1160.9 | 13327.1 | 16416.8 | 16524.1 |
| 72.5° | 31.0 | 36.2 | 42.7 | 46.5 | 54.3 | 75.0 | 588.2 | 9794.0 | 13124.1 | 13298.6 |
| 75° | 27.1 | 32.3 | 38.8 | 41.4 | 47.8 | 64.6 | 239.2 | 6432.8 | 9510.8 | 9791.4 |
| 77.5° | 22.0 | 29.7 | 34.9 | 37.5 | 41.4 | 53.0 | 121.5 | 4111.0 | 6674.5 | 6855.5 |
| 80° | 7.8 | 22.0 | 29.7 | 31.0 | 34.9 | 38.8 | 80.2 | 2250.7 | 3871.8 | 3949.4 |
| 82.5° | 0.0 | 14.2 | 23.3 | 22.0 | 24.6 | 29.7 | 51.7 | 1070.4 | 2555.8 | 2584.2 |
| 85° | 0.0 | 6.5 | 18.1 | 14.2 | 10.3 | 20.7 | 18.1 | 234.0 | 1340.6 | 1396.2 |
| 87.5° | 0.0 | 0.0 | 1.3 | 6.5 | 5.2 | 7.8 | 2.6 | 1.3 | 121.5 | 153.8 |
| 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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