

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: McGRAW-EDISON

Report Number: P528288

Luminaire Tested: **GALN-SA3B-760-U-SLL-GRSWH**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P528288
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-24)
Test Lab: INNOVATION CENTER
Issue Date: 5/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SA3B-760-U-SLL-GRSWH
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(3) 70 CRI, 5700K, 800mA LIGHTSQUARES WITH 16 LEDS EACH AND SPILL LIGHT
ELIMINATOR LEFT OPTICS WITH WHITE GLARE REDUCTION SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 12651 lumens
Efficiency: N/A
Efficacy: 104.6 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type II - Short
BUG Rating: B2 - U0 - G2

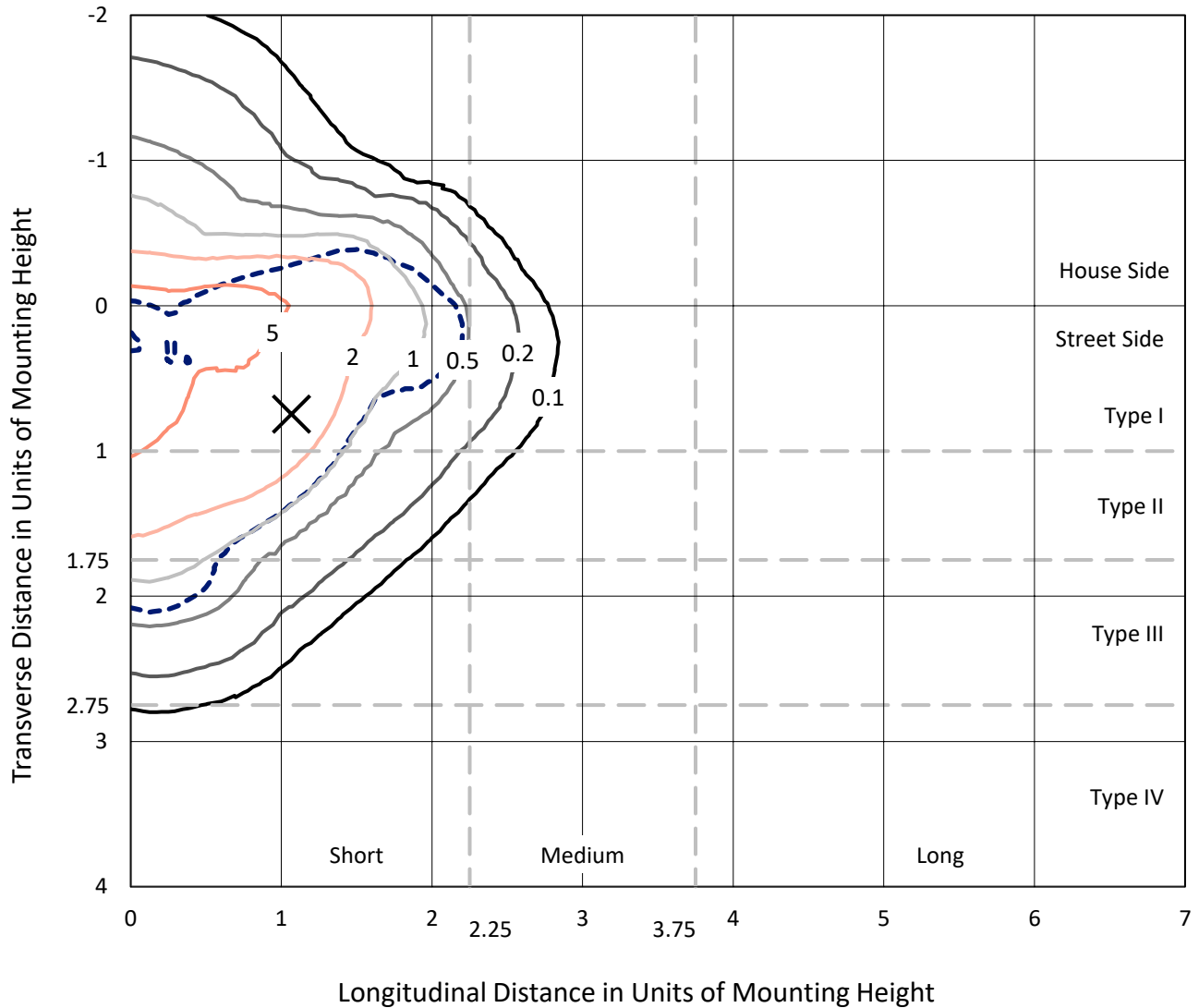
Input Watts (W): 121
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

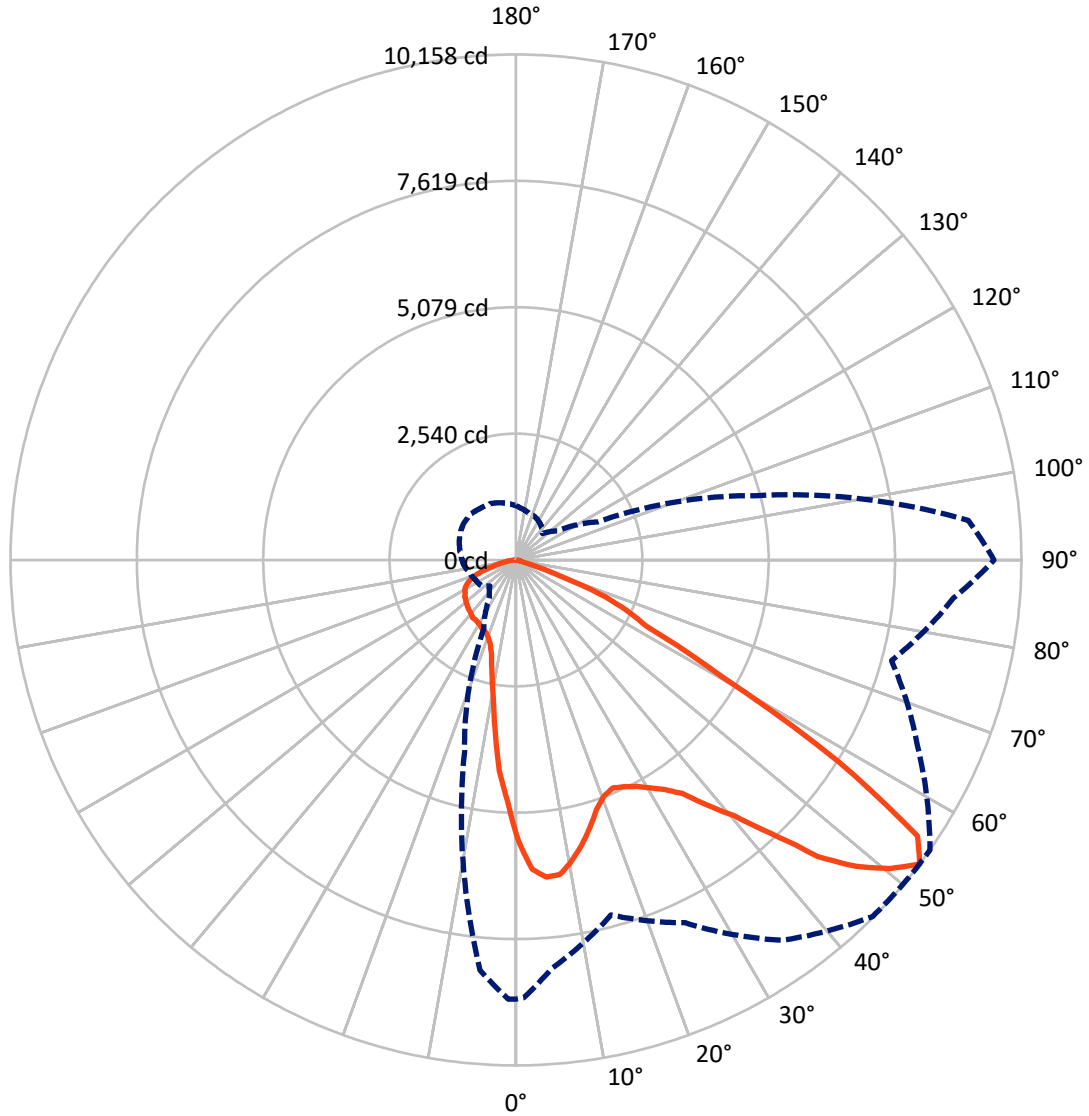
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 9.6 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 55-Deg Lateral - - - Horizontal Cone Through 52.5-Deg Vertical

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FLUX DISTRIBUTION:

| | | Downward | Upward | Total |
|--------------------|-----------|----------|--------|---------|
| House Side | Lumens | 3859.2 | 0.0 | 3859.2 |
| | % Fixture | 30.5 | 0.0 | 30.5 |
| Street Side | Lumens | 8791.8 | 0.0 | 8791.8 |
| | % Fixture | 69.5 | 0.0 | 69.5 |
| Total | Lumens | 12651.0 | 0.0 | 12651.0 |
| | % Fixture | 100.0 | 0.0 | 100.0 |

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|---------|-----------|
| 0°-10° | 431.1 | 3.4 |
| 10°-20° | 929.6 | 7.3 |
| 20°-30° | 1409.6 | 11.1 |
| 30°-40° | 2036.6 | 16.1 |
| 40°-50° | 2721.5 | 21.5 |
| 50°-60° | 3037.7 | 24.0 |
| 60°-70° | 1666.3 | 13.2 |
| 70°-80° | 360.3 | 2.8 |
| 80°-90° | 58.3 | 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° | 12651.0 | 100.0 |
| 0°-180° | 12651.0 | 100.0 |

Coefficient of Utilization



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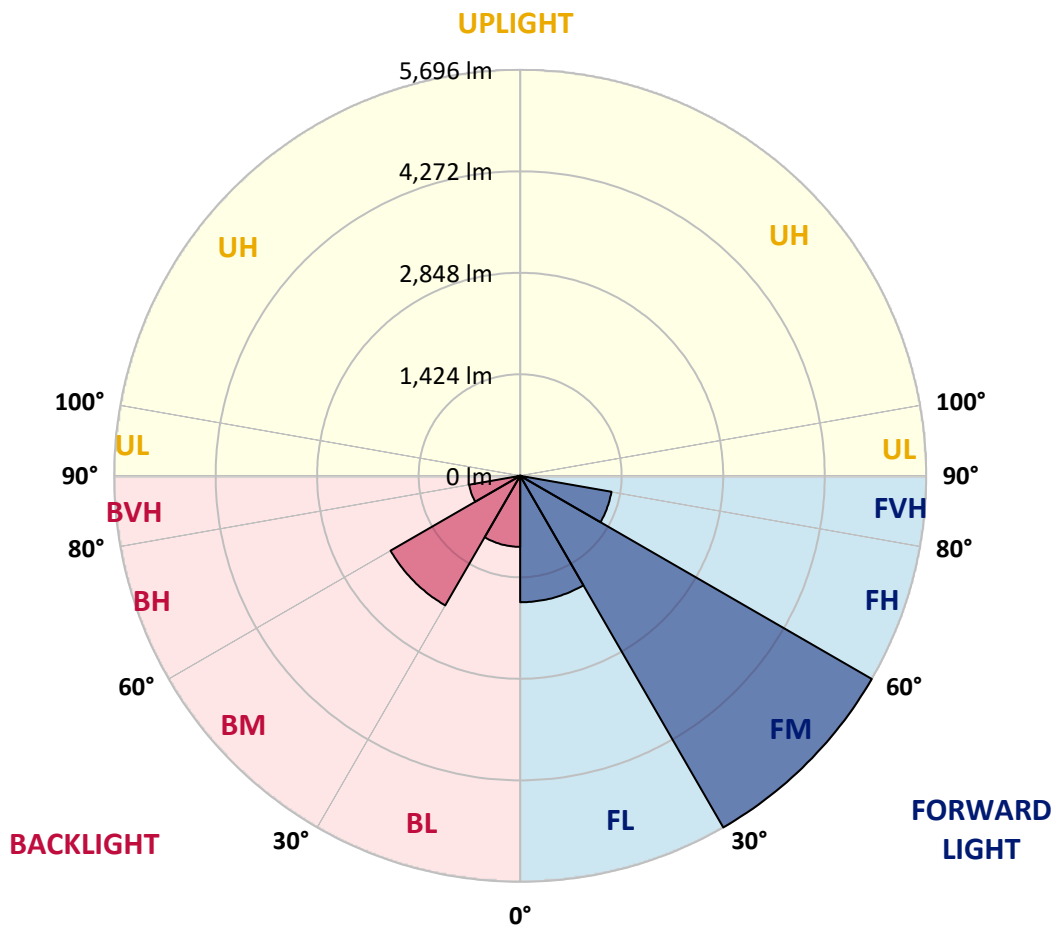
CATALOG NUMBER: GALN-SA3B-760-U-SLL-GRSWH

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

| Zone | Lumens | % Fixture | Zone Rating/Lumen Limit | | |
|----------------|--------|-----------|-------------------------|------|---------|
| | | | B | U | G |
| FL (0°-30°) | 1773.9 | 14.0 | | | |
| FM (30°-60°) | 5696.1 | 45.0 | | | |
| FH (60°-80°) | 1300.2 | 10.3 | | | G1/1800 |
| FVH (80°-90°) | 21.6 | 0.2 | | | G1/100 |
| BL (0°-30°) | 996.4 | 7.9 | B2/1000 | | |
| BM (30°-60°) | 2099.7 | 16.6 | B2/2500 | | |
| BH (60°-80°) | 726.4 | 5.7 | B2/1000 | | G2/1000 |
| BVH (80°-90°) | 36.7 | 0.3 | | | G1/100 |
| UL (90°-100°) | 0.0 | 0.0 | | U0/0 | |
| UH (100°-180°) | 0.0 | 0.0 | | U0/0 | |

BUG Rating: B2-U0-G2

Type II Short





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CANDELA DISTRIBUTION (FULL):

| | 0° | 1° | 5° | 15° | 25° | 35° | 45° | 55° | 65° | 75° | 85° |
|-------|--------|--------|--------|--------|--------|--------|---------|---------|--------|--------|--------|
| 0° | 5643.3 | 5643.3 | 5643.3 | 5643.3 | 5643.3 | 5643.3 | 5643.3 | 5643.3 | 5643.3 | 5643.3 | 5643.3 |
| 2.5° | 5922.3 | 5889.0 | 5918.6 | 6059.0 | 6140.2 | 6195.6 | 6230.7 | 6225.2 | 6092.2 | 5962.9 | 5962.9 |
| 5° | 5748.6 | 5706.1 | 5767.1 | 6084.8 | 6404.4 | 6432.1 | 6478.3 | 6402.5 | 6206.7 | 5970.3 | 5674.7 |
| 7.5° | 5246.2 | 5277.6 | 5379.2 | 5796.6 | 6212.3 | 6421.0 | 6476.4 | 6380.4 | 6062.6 | 5621.2 | 5187.1 |
| 10° | 4812.1 | 4886.0 | 5120.6 | 5571.3 | 5953.7 | 6225.2 | 6286.2 | 6151.3 | 5900.1 | 5358.8 | 4970.9 |
| 12.5° | 4662.4 | 4616.3 | 4876.7 | 5327.4 | 5693.2 | 5839.1 | 5866.8 | 5876.1 | 5706.1 | 5225.8 | 4753.0 |
| 15° | 4644.0 | 4673.5 | 4876.7 | 5218.5 | 5443.8 | 5451.2 | 5497.4 | 5569.4 | 5591.6 | 5316.4 | 4854.6 |
| 17.5° | 4910.0 | 4874.9 | 5083.6 | 5355.2 | 5248.0 | 5140.9 | 5152.0 | 5255.4 | 5438.3 | 5393.9 | 5174.1 |
| 20° | 5303.4 | 5382.9 | 5547.3 | 5519.6 | 5231.4 | 4959.8 | 4961.7 | 5059.6 | 5419.8 | 5715.4 | 5619.3 |
| 22.5° | 5957.4 | 6034.9 | 6156.9 | 5822.5 | 5231.4 | 4906.3 | 4843.5 | 4976.5 | 5538.0 | 6097.7 | 6121.8 |
| 25° | 6554.0 | 6696.3 | 6729.5 | 6336.0 | 5493.7 | 4956.2 | 4915.5 | 5046.7 | 5656.3 | 6470.9 | 6698.1 |
| 27.5° | 7097.1 | 7148.8 | 7294.8 | 6666.7 | 5639.6 | 4989.4 | 4985.7 | 5153.8 | 5805.9 | 6657.5 | 7213.5 |
| 30° | 7525.7 | 7520.1 | 7603.2 | 6875.4 | 5872.4 | 5176.0 | 4996.8 | 5314.5 | 6001.7 | 6965.9 | 7690.1 |
| 32.5° | 7817.5 | 7880.3 | 8055.8 | 7165.5 | 5970.3 | 5353.3 | 5212.9 | 5502.9 | 6240.0 | 7111.9 | 8026.3 |
| 35° | 8331.1 | 8440.0 | 8218.4 | 7326.2 | 6280.6 | 5528.8 | 5364.4 | 5759.7 | 6358.2 | 7270.7 | 8438.2 |
| 37.5° | 8815.0 | 8731.9 | 8506.5 | 7413.0 | 6482.0 | 5853.9 | 5700.6 | 6256.6 | 6725.8 | 7616.2 | 8711.6 |
| 40° | 9125.4 | 9123.5 | 8722.7 | 7483.2 | 6624.2 | 6350.8 | 6341.6 | 6760.9 | 7176.5 | 7834.2 | 9018.2 |
| 42.5° | 9260.2 | 9389.5 | 8811.3 | 7475.8 | 6923.5 | 6953.0 | 7139.6 | 7514.6 | 7496.1 | 7878.5 | 9010.8 |
| 44° | 9444.9 | 9522.5 | 8964.7 | 7492.4 | 7123.0 | 7359.4 | 7799.1 | 8037.4 | 7775.0 | 7854.5 | 9001.6 |
| 45° | 9437.6 | 9443.1 | 8746.7 | 7514.6 | 7292.9 | 7699.3 | 8092.8 | 8495.5 | 8020.7 | 7802.8 | 9123.5 |
| 47.5° | 9221.4 | 9158.6 | 8562.0 | 7350.2 | 7823.1 | 8597.1 | 8961.0 | 9204.8 | 8323.7 | 7691.9 | 8972.1 |
| 50° | 8794.7 | 8722.7 | 8113.1 | 7280.0 | 7933.9 | 9154.9 | 9657.4 | 9746.0 | 8598.9 | 7582.9 | 8822.4 |
| 52.5° | 8824.3 | 8804.0 | 8240.5 | 7385.3 | 8044.7 | 9330.4 | 10135.8 | 10158.0 | 8911.1 | 7812.0 | 8824.3 |
| 55° | 9352.6 | 9282.4 | 8606.3 | 7516.4 | 7963.5 | 9125.4 | 9831.0 | 9792.2 | 8805.8 | 7673.4 | 8986.8 |
| 57.5° | 8558.3 | 8604.5 | 8100.2 | 6997.4 | 6969.6 | 7418.5 | 7728.9 | 7632.8 | 7348.3 | 6925.3 | 8360.6 |
| 60° | 6905.0 | 7036.1 | 7084.2 | 5852.1 | 5259.1 | 5028.2 | 4935.8 | 4765.9 | 4813.9 | 5689.5 | 7344.6 |
| 62.5° | 5922.3 | 5914.9 | 6216.0 | 5305.3 | 3445.1 | 2963.0 | 2918.6 | 2957.4 | 3511.6 | 5600.8 | 7193.2 |
| 65° | 4695.7 | 4821.3 | 4913.7 | 4496.2 | 2726.5 | 2200.1 | 2198.2 | 2443.9 | 3038.7 | 4680.9 | 5807.7 |
| 67.5° | 2981.4 | 3145.9 | 3260.4 | 2876.2 | 1823.2 | 1566.5 | 1524.0 | 1819.5 | 2105.9 | 3070.1 | 3496.8 |
| 70° | 1681.0 | 1758.6 | 1810.3 | 1658.8 | 1160.1 | 812.8 | 764.8 | 835.0 | 1272.7 | 1987.6 | 2072.6 |
| 72.5° | 648.4 | 683.5 | 753.7 | 759.2 | 437.8 | 262.3 | 212.4 | 254.9 | 535.7 | 786.9 | 750.0 |
| 75° | 99.8 | 107.1 | 151.5 | 181.0 | 125.6 | 96.1 | 101.6 | 105.3 | 149.6 | 203.2 | 169.9 |
| 77.5° | 48.0 | 48.0 | 46.2 | 53.6 | 62.8 | 68.3 | 73.9 | 81.3 | 88.7 | 97.9 | 94.2 |
| 80° | 31.4 | 31.4 | 31.4 | 36.9 | 46.2 | 55.4 | 62.8 | 66.5 | 70.2 | 77.6 | 73.9 |
| 82.5° | 20.3 | 20.3 | 20.3 | 27.7 | 36.9 | 46.2 | 49.9 | 59.1 | 66.5 | 77.6 | 72.0 |
| 85° | 11.1 | 11.1 | 11.1 | 18.5 | 27.7 | 38.8 | 36.9 | 29.6 | 16.6 | 1.8 | 3.7 |
| 87.5° | 3.7 | 3.7 | 3.7 | 3.7 | 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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CANDELA DISTRIBUTION (continued):

| | 90° | 95° | 105° | 115° | 125° | 135° | 145° | 155° | 165° | 175° | 180° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 5643.3 | 5643.3 | 5643.3 | 5643.3 | 5643.3 | 5643.3 | 5643.3 | 5643.3 | 5643.3 | 5643.3 | 5643.3 |
| 2.5° | 5807.7 | 5722.8 | 5715.4 | 5541.7 | 5386.6 | 5310.8 | 5249.9 | 5079.9 | 5116.9 | 5019.0 | 5017.1 |
| 5° | 5526.9 | 5353.3 | 5072.5 | 4841.6 | 4610.7 | 4564.5 | 4363.2 | 4187.7 | 4193.2 | 4067.6 | 4089.8 |
| 7.5° | 5022.7 | 4902.6 | 4560.8 | 4198.8 | 3892.1 | 3674.2 | 3483.9 | 3369.4 | 3223.4 | 3173.6 | 3147.7 |
| 10° | 4703.1 | 4555.3 | 4171.1 | 3716.7 | 3373.1 | 3256.7 | 3073.8 | 2972.2 | 2822.6 | 2748.7 | 2697.0 |
| 12.5° | 4562.7 | 4346.6 | 3866.3 | 3404.5 | 3175.4 | 3055.3 | 2900.2 | 2715.4 | 2538.1 | 2469.8 | 2375.6 |
| 15° | 4577.5 | 4318.9 | 3777.6 | 3278.9 | 3003.6 | 2770.9 | 2632.3 | 2427.3 | 2246.2 | 2126.2 | 2057.8 |
| 17.5° | 4801.0 | 4487.0 | 3818.2 | 3182.8 | 2787.5 | 2495.6 | 2224.1 | 2002.4 | 1858.3 | 1767.8 | 1745.6 |
| 20° | 5329.3 | 4902.6 | 3886.6 | 3027.6 | 2571.4 | 2207.5 | 1873.1 | 1642.2 | 1531.4 | 1529.5 | 1531.4 |
| 22.5° | 5768.9 | 5345.9 | 4025.1 | 2935.3 | 2355.2 | 1838.0 | 1505.5 | 1431.6 | 1409.4 | 1455.6 | 1461.2 |
| 25° | 6361.9 | 5844.7 | 4263.4 | 2887.2 | 2155.7 | 1566.5 | 1361.4 | 1333.7 | 1331.9 | 1391.0 | 1392.8 |
| 27.5° | 6969.6 | 6280.6 | 4405.7 | 2746.8 | 1952.5 | 1426.1 | 1274.6 | 1269.1 | 1298.6 | 1361.4 | 1355.9 |
| 30° | 7383.4 | 6646.4 | 4662.4 | 2578.7 | 1712.4 | 1302.3 | 1239.5 | 1246.9 | 1287.5 | 1335.6 | 1342.9 |
| 32.5° | 7865.6 | 7006.6 | 4728.9 | 2486.4 | 1564.6 | 1198.9 | 1154.5 | 1171.2 | 1222.9 | 1298.6 | 1339.3 |
| 35° | 8417.9 | 7261.5 | 4830.5 | 2360.8 | 1509.2 | 1119.4 | 1097.3 | 1115.7 | 1178.5 | 1228.4 | 1272.7 |
| 37.5° | 8826.1 | 7712.2 | 4849.0 | 2262.9 | 1448.2 | 1075.1 | 1040.0 | 1101.0 | 1137.9 | 1208.1 | 1230.3 |
| 40° | 9129.1 | 8039.2 | 4897.0 | 2201.9 | 1400.2 | 1017.8 | 1017.8 | 1058.5 | 1108.3 | 1173.0 | 1217.3 |
| 42.5° | 9323.0 | 8277.5 | 4932.1 | 2146.5 | 1307.8 | 1001.2 | 992.0 | 1032.6 | 1099.1 | 1161.9 | 1182.2 |
| 44° | 9441.3 | 8379.1 | 4897.0 | 2094.8 | 1282.0 | 980.9 | 980.9 | 1016.0 | 1067.7 | 1141.6 | 1165.6 |
| 45° | 9470.8 | 8506.5 | 4819.5 | 2092.9 | 1250.6 | 956.9 | 953.2 | 1019.7 | 1054.8 | 1145.3 | 1160.1 |
| 47.5° | 9585.3 | 8663.6 | 4828.7 | 2033.8 | 1174.8 | 899.6 | 964.3 | 993.8 | 1025.2 | 1104.7 | 1154.5 |
| 50° | 9581.6 | 8761.5 | 4808.4 | 1947.0 | 1119.4 | 835.0 | 942.1 | 975.3 | 1006.7 | 1088.0 | 1108.3 |
| 52.5° | 9607.5 | 9127.2 | 4994.9 | 1808.5 | 1019.7 | 751.8 | 868.2 | 942.1 | 980.9 | 1049.2 | 1091.7 |
| 55° | 9594.6 | 9336.0 | 5179.7 | 1705.0 | 879.3 | 702.0 | 805.4 | 892.2 | 947.6 | 1019.7 | 1040.0 |
| 57.5° | 8763.3 | 8251.6 | 4793.6 | 1511.0 | 727.8 | 642.8 | 716.7 | 840.5 | 910.7 | 984.6 | 1010.4 |
| 60° | 7159.9 | 6360.1 | 3953.1 | 1112.0 | 598.5 | 591.1 | 666.9 | 823.9 | 853.4 | 918.1 | 962.4 |
| 62.5° | 6616.8 | 5578.7 | 3134.8 | 849.7 | 511.7 | 541.2 | 615.1 | 744.4 | 790.6 | 870.1 | 910.7 |
| 65° | 5177.8 | 3705.6 | 1941.5 | 574.5 | 450.7 | 485.8 | 556.0 | 652.1 | 727.8 | 801.7 | 849.7 |
| 67.5° | 3066.4 | 2024.6 | 960.6 | 402.7 | 393.5 | 430.4 | 502.4 | 574.5 | 661.3 | 742.6 | 766.6 |
| 70° | 1669.9 | 995.7 | 410.1 | 306.6 | 334.4 | 367.6 | 437.8 | 487.7 | 570.8 | 633.6 | 674.2 |
| 72.5° | 535.7 | 302.9 | 205.0 | 227.2 | 254.9 | 293.7 | 336.2 | 397.2 | 456.3 | 493.2 | 526.5 |
| 75° | 129.3 | 127.5 | 145.9 | 158.9 | 184.7 | 214.3 | 249.4 | 280.8 | 327.0 | 362.1 | 391.6 |
| 77.5° | 90.5 | 97.9 | 112.7 | 131.2 | 140.4 | 151.5 | 173.6 | 197.7 | 218.0 | 243.8 | 262.3 |
| 80° | 70.2 | 75.7 | 86.8 | 96.1 | 105.3 | 114.5 | 125.6 | 134.8 | 147.8 | 164.4 | 173.6 |
| 82.5° | 66.5 | 70.2 | 81.3 | 86.8 | 83.1 | 81.3 | 88.7 | 92.4 | 94.2 | 99.8 | 105.3 |
| 85° | 5.5 | 0.0 | 3.7 | 12.9 | 31.4 | 46.2 | 49.9 | 49.9 | 48.0 | 51.7 | 51.7 |
| 87.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.8 | 7.4 | 5.5 |
| 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: GALN-SA3B-760-U-SLL-GRSWH

CANDELA DISTRIBUTION (continued):

| | 185° | 195° | 205° | 215° | 225° | 235° | 245° | 255° | 265° | 270° | 275° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 5643.3 | 5643.3 | 5643.3 | 5643.3 | 5643.3 | 5643.3 | 5643.3 | 5643.3 | 5643.3 | 5643.3 | 5643.3 |
| 2.5° | 4994.9 | 4932.1 | 4956.2 | 4985.7 | 4943.2 | 4845.3 | 4871.2 | 4860.1 | 4959.8 | 4952.5 | 5052.2 |
| 5° | 4187.7 | 4089.8 | 4100.9 | 4245.0 | 4198.8 | 4248.7 | 4148.9 | 4136.0 | 4154.4 | 4163.7 | 4180.3 |
| 7.5° | 3205.0 | 3192.0 | 3302.9 | 3424.8 | 3482.1 | 3422.9 | 3325.0 | 3302.9 | 3282.5 | 3241.9 | 3334.3 |
| 10° | 2615.7 | 2619.4 | 2612.0 | 2704.4 | 2769.0 | 2756.1 | 2697.0 | 2689.6 | 2650.8 | 2636.0 | 2687.7 |
| 12.5° | 2334.9 | 2285.0 | 2261.0 | 2231.5 | 2281.3 | 2314.6 | 2288.7 | 2270.3 | 2272.1 | 2290.6 | 2298.0 |
| 15° | 2063.4 | 2032.0 | 1980.2 | 1947.0 | 1971.0 | 1954.4 | 1945.1 | 1982.1 | 1972.9 | 1969.2 | 2013.5 |
| 17.5° | 1758.6 | 1784.4 | 1780.7 | 1743.8 | 1775.2 | 1762.3 | 1760.4 | 1734.6 | 1699.5 | 1673.6 | 1688.4 |
| 20° | 1557.2 | 1605.3 | 1642.2 | 1644.0 | 1660.7 | 1658.8 | 1631.1 | 1551.7 | 1525.8 | 1520.3 | 1524.0 |
| 22.5° | 1485.2 | 1511.0 | 1555.4 | 1618.2 | 1618.2 | 1588.6 | 1555.4 | 1463.0 | 1439.0 | 1413.1 | 1402.1 |
| 25° | 1427.9 | 1477.8 | 1535.1 | 1542.4 | 1572.0 | 1544.3 | 1490.7 | 1444.5 | 1394.7 | 1359.6 | 1359.6 |
| 27.5° | 1398.4 | 1453.8 | 1496.3 | 1509.2 | 1549.8 | 1527.7 | 1472.3 | 1413.1 | 1354.0 | 1352.2 | 1320.8 |
| 30° | 1385.4 | 1437.2 | 1464.9 | 1496.3 | 1514.7 | 1479.6 | 1463.0 | 1400.2 | 1341.1 | 1326.3 | 1274.6 |
| 32.5° | 1346.6 | 1420.5 | 1472.3 | 1464.9 | 1479.6 | 1464.9 | 1440.8 | 1389.1 | 1322.6 | 1289.4 | 1283.8 |
| 35° | 1302.3 | 1376.2 | 1431.6 | 1470.4 | 1479.6 | 1448.2 | 1433.5 | 1363.3 | 1272.7 | 1256.1 | 1198.9 |
| 37.5° | 1278.3 | 1322.6 | 1391.0 | 1453.8 | 1466.7 | 1450.1 | 1400.2 | 1328.2 | 1237.7 | 1219.2 | 1169.3 |
| 40° | 1248.7 | 1306.0 | 1359.6 | 1411.3 | 1450.1 | 1409.4 | 1352.2 | 1282.0 | 1241.3 | 1185.9 | 1171.2 |
| 42.5° | 1226.6 | 1291.2 | 1335.6 | 1392.8 | 1437.2 | 1383.6 | 1317.1 | 1269.1 | 1211.8 | 1174.8 | 1132.4 |
| 44° | 1219.2 | 1278.3 | 1307.8 | 1378.0 | 1415.0 | 1374.3 | 1318.9 | 1269.1 | 1202.6 | 1169.3 | 1132.4 |
| 45° | 1193.3 | 1274.6 | 1306.0 | 1368.8 | 1400.2 | 1367.0 | 1296.8 | 1246.9 | 1198.9 | 1158.2 | 1119.4 |
| 47.5° | 1167.5 | 1222.9 | 1276.4 | 1326.3 | 1348.5 | 1337.4 | 1278.3 | 1217.3 | 1160.1 | 1136.1 | 1099.1 |
| 50° | 1160.1 | 1215.5 | 1265.4 | 1311.5 | 1337.4 | 1315.2 | 1261.7 | 1202.6 | 1136.1 | 1097.3 | 1065.9 |
| 52.5° | 1123.1 | 1191.5 | 1246.9 | 1261.7 | 1294.9 | 1282.0 | 1241.3 | 1176.7 | 1113.9 | 1080.6 | 1054.8 |
| 55° | 1069.6 | 1141.6 | 1217.3 | 1235.8 | 1283.8 | 1263.5 | 1202.6 | 1141.6 | 1088.0 | 1038.2 | 1004.9 |
| 57.5° | 1049.2 | 1119.4 | 1193.3 | 1217.3 | 1246.9 | 1213.6 | 1198.9 | 1134.2 | 1049.2 | 1023.4 | 971.6 |
| 60° | 997.5 | 1086.2 | 1147.1 | 1202.6 | 1204.4 | 1195.2 | 1169.3 | 1095.4 | 1025.2 | 977.2 | 940.2 |
| 62.5° | 956.9 | 1040.0 | 1088.0 | 1139.7 | 1171.2 | 1145.3 | 1119.4 | 1051.1 | 975.3 | 921.8 | 879.3 |
| 65° | 897.8 | 973.5 | 1014.1 | 1045.5 | 1080.6 | 1076.9 | 1032.6 | 982.7 | 903.3 | 860.8 | 820.2 |
| 67.5° | 807.2 | 873.7 | 929.2 | 958.7 | 980.9 | 975.3 | 942.1 | 907.0 | 825.7 | 783.2 | 753.7 |
| 70° | 698.3 | 766.6 | 801.7 | 818.3 | 840.5 | 851.6 | 825.7 | 809.1 | 737.0 | 681.6 | 653.9 |
| 72.5° | 561.6 | 605.9 | 657.6 | 672.4 | 681.6 | 689.0 | 689.0 | 674.2 | 600.4 | 578.2 | 530.2 |
| 75° | 413.8 | 448.9 | 487.7 | 487.7 | 504.3 | 506.1 | 509.8 | 500.6 | 445.2 | 415.6 | 404.5 |
| 77.5° | 280.8 | 306.6 | 338.0 | 351.0 | 362.1 | 360.2 | 358.4 | 332.5 | 302.9 | 290.0 | 278.9 |
| 80° | 182.9 | 208.7 | 223.5 | 240.1 | 251.2 | 249.4 | 253.1 | 234.6 | 221.7 | 199.5 | 203.2 |
| 82.5° | 109.0 | 129.3 | 144.1 | 164.4 | 164.4 | 169.9 | 169.9 | 164.4 | 151.5 | 140.4 | 140.4 |
| 85° | 51.7 | 68.3 | 77.6 | 90.5 | 97.9 | 99.8 | 88.7 | 75.7 | 62.8 | 57.3 | 62.8 |
| 87.5° | 9.2 | 12.9 | 18.5 | 16.6 | 20.3 | 18.5 | 18.5 | 18.5 | 18.5 | 14.8 | 16.6 |
| 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):

| | 285° | 295° | 305° | 315° | 325° | 335° | 345° | 355° | 359° | 360° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 5643.3 | 5643.3 | 5643.3 | 5643.3 | 5643.3 | 5643.3 | 5643.3 | 5643.3 | 5643.3 | 5643.3 |
| 2.5° | 5015.3 | 5107.6 | 5172.3 | 5279.4 | 5464.1 | 5611.9 | 5763.4 | 5876.1 | 5889.0 | 5922.3 |
| 5° | 4241.3 | 4291.1 | 4455.5 | 4669.8 | 4821.3 | 5070.7 | 5231.4 | 5523.3 | 5632.2 | 5748.6 |
| 7.5° | 3312.1 | 3393.4 | 3613.2 | 3757.3 | 4089.8 | 4402.0 | 4725.2 | 5085.5 | 5229.5 | 5246.2 |
| 10° | 2793.0 | 2911.3 | 3060.9 | 3291.8 | 3472.8 | 3820.1 | 4222.8 | 4623.6 | 4784.4 | 4812.1 |
| 12.5° | 2453.1 | 2604.6 | 2804.1 | 2970.4 | 3144.0 | 3447.0 | 3833.0 | 4328.1 | 4536.8 | 4662.4 |
| 15° | 2126.2 | 2283.2 | 2503.0 | 2733.9 | 2887.2 | 3249.3 | 3703.7 | 4261.6 | 4533.1 | 4644.0 |
| 17.5° | 1790.0 | 1935.9 | 2116.9 | 2366.3 | 2674.8 | 3081.2 | 3683.4 | 4483.3 | 4780.7 | 4910.0 |
| 20° | 1501.8 | 1583.1 | 1793.7 | 2050.4 | 2436.5 | 2909.4 | 3690.8 | 4810.2 | 5246.2 | 5303.4 |
| 22.5° | 1389.1 | 1407.6 | 1490.7 | 1727.2 | 2150.2 | 2733.9 | 3821.9 | 5273.9 | 5768.9 | 5957.4 |
| 25° | 1302.3 | 1298.6 | 1320.8 | 1479.6 | 1941.5 | 2665.6 | 3951.3 | 5700.6 | 6349.0 | 6554.0 |
| 27.5° | 1254.3 | 1217.3 | 1219.2 | 1368.8 | 1793.7 | 2554.7 | 4117.5 | 6190.1 | 7006.6 | 7097.1 |
| 30° | 1230.3 | 1222.9 | 1200.7 | 1261.7 | 1633.0 | 2388.5 | 4145.2 | 6672.2 | 7394.5 | 7525.7 |
| 32.5° | 1215.5 | 1143.4 | 1115.7 | 1137.9 | 1481.5 | 2207.5 | 4248.7 | 6990.0 | 7874.8 | 7817.5 |
| 35° | 1141.6 | 1076.9 | 1058.5 | 1080.6 | 1374.3 | 2105.9 | 4180.3 | 7267.1 | 8235.0 | 8331.1 |
| 37.5° | 1113.9 | 1056.6 | 1019.7 | 1001.2 | 1274.6 | 2020.9 | 4145.2 | 7693.8 | 8584.1 | 8815.0 |
| 40° | 1088.0 | 1027.1 | 982.7 | 964.3 | 1197.0 | 1908.2 | 4134.1 | 8022.6 | 8986.8 | 9125.4 |
| 42.5° | 1058.5 | 1019.7 | 969.8 | 936.6 | 1102.8 | 1795.5 | 4006.7 | 8124.2 | 9110.6 | 9260.2 |
| 44° | 1049.2 | 990.1 | 938.4 | 927.3 | 1065.9 | 1738.3 | 3980.8 | 8216.5 | 9217.7 | 9444.9 |
| 45° | 1040.0 | 984.6 | 925.5 | 910.7 | 1052.9 | 1706.9 | 3945.7 | 8238.7 | 9395.1 | 9437.6 |
| 47.5° | 1014.1 | 979.0 | 921.8 | 881.1 | 1025.2 | 1638.5 | 3840.4 | 8113.1 | 9214.0 | 9221.4 |
| 50° | 993.8 | 953.2 | 894.1 | 814.6 | 988.3 | 1581.2 | 3888.4 | 8066.9 | 8778.1 | 8794.7 |
| 52.5° | 971.6 | 910.7 | 877.4 | 740.7 | 927.3 | 1533.2 | 3990.0 | 8275.6 | 8828.0 | 8824.3 |
| 55° | 945.8 | 879.3 | 798.0 | 677.9 | 825.7 | 1472.3 | 4235.7 | 8687.6 | 9289.8 | 9352.6 |
| 57.5° | 905.1 | 847.9 | 731.5 | 622.5 | 709.3 | 1355.9 | 4156.3 | 7898.8 | 8547.2 | 8558.3 |
| 60° | 851.6 | 798.0 | 663.2 | 580.0 | 581.9 | 1069.6 | 3716.7 | 6155.0 | 6744.3 | 6905.0 |
| 62.5° | 799.9 | 770.3 | 605.9 | 519.1 | 495.1 | 851.6 | 3142.2 | 5115.0 | 5789.3 | 5922.3 |
| 65° | 738.9 | 666.9 | 556.0 | 472.9 | 424.9 | 596.7 | 2225.9 | 3821.9 | 4516.5 | 4695.7 |
| 67.5° | 661.3 | 583.7 | 489.5 | 415.6 | 363.9 | 399.0 | 1149.0 | 2172.4 | 2876.2 | 2981.4 |
| 70° | 578.2 | 506.1 | 411.9 | 351.0 | 293.7 | 275.2 | 506.1 | 1036.3 | 1572.0 | 1681.0 |
| 72.5° | 474.7 | 408.2 | 328.8 | 277.1 | 219.8 | 190.3 | 169.9 | 277.1 | 557.9 | 648.4 |
| 75° | 343.6 | 297.4 | 247.5 | 197.7 | 155.2 | 121.9 | 99.8 | 83.1 | 92.4 | 99.8 |
| 77.5° | 253.1 | 216.1 | 182.9 | 140.4 | 109.0 | 86.8 | 68.3 | 51.7 | 49.9 | 48.0 |
| 80° | 197.7 | 175.5 | 145.9 | 112.7 | 85.0 | 64.7 | 48.0 | 35.1 | 31.4 | 31.4 |
| 82.5° | 155.2 | 144.1 | 120.1 | 92.4 | 70.2 | 51.7 | 35.1 | 24.0 | 20.3 | 20.3 |
| 85° | 59.1 | 59.1 | 86.8 | 75.7 | 53.6 | 36.9 | 24.0 | 12.9 | 11.1 | 11.1 |
| 87.5° | 14.8 | 14.8 | 14.8 | 14.8 | 12.9 | 11.1 | 11.1 | 5.5 | 3.7 | 3.7 |
| 90° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

(END OF REPORT)