

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: P454263

Luminaire Tested: **GALN-SA5B-760-U-SLL**

Issue Date: 1/4/2021

Test Information

Test Method: LM-79-08
Report Number: P454263
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-042-20)
Test Lab: INNOVATION CENTER
Issue Date: 1/4/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: MCGRAW-EDISON
Catalog Number: GALN-SA5B-760-U-SLL
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(5) 70 CRI, 5700K, 800mA LIGHTSQUARES WITH 16 LEDS EACH AND SPILL LIGHT
ELIMINATOR LEFT OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 24563 lumens
Efficiency: N/A
Efficacy: 120.4 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B3 - U0 - G4

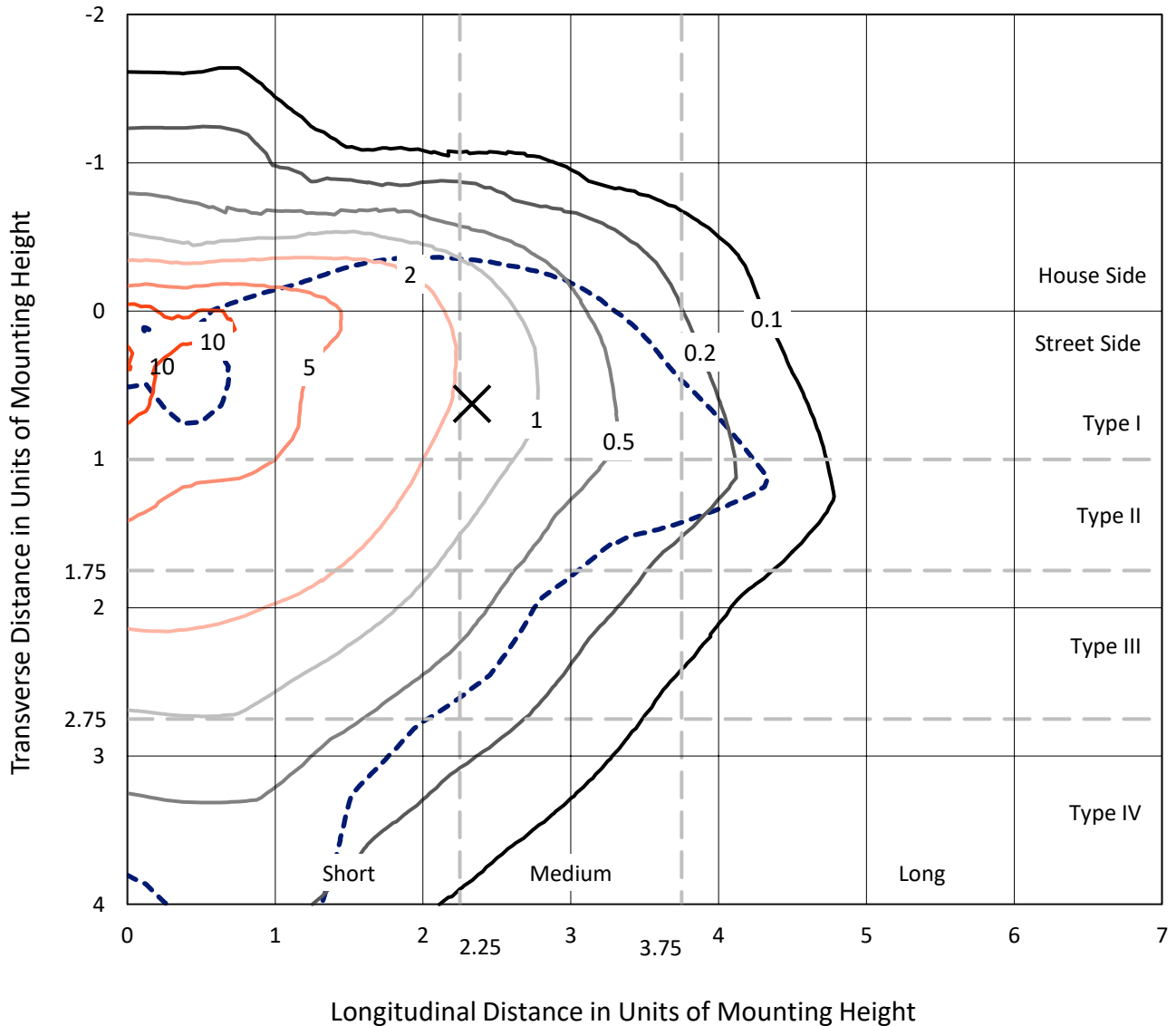
Input Watts (W): 204
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

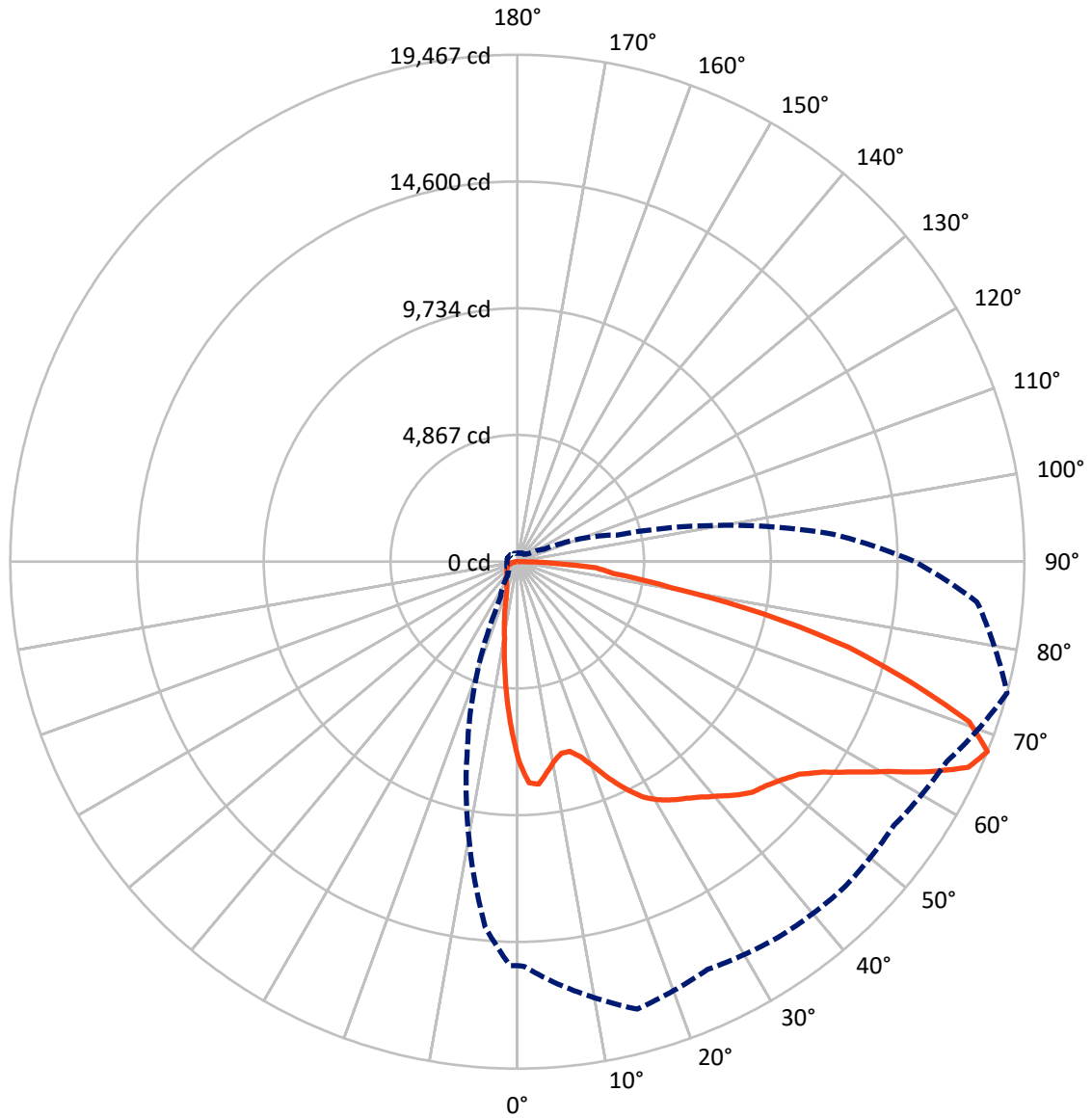
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 15.1 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 | 4151.7 | 0.0 | 4151.7 |
| | % Fixture | 16.9 | 0.0 | 16.9 |
| Street Side | Lumens | 20411.3 | 0.0 | 20411.3 |
| | % Fixture | 83.1 | 0.0 | 83.1 |
| Total | Lumens | 24563.0 | 0.0 | 24563.0 |
| | % Fixture | 100.0 | 0.0 | 100.0 |

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|---------|-----------|
| 0°-10° | 582.1 | 2.4 |
| 10°-20° | 1213.9 | 4.9 |
| 20°-30° | 1746.8 | 7.1 |
| 30°-40° | 2515.9 | 10.2 |
| 40°-50° | 3534.2 | 14.4 |
| 50°-60° | 4928.9 | 20.1 |
| 60°-70° | 5860.1 | 23.9 |
| 70°-80° | 3451.3 | 14.1 |
| 80°-90° | 729.8 | 3.0 |
| 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° | 24563.0 | 100.0 |
| 0°-180° | 24563.0 | 100.0 |

Coefficient of Utilization



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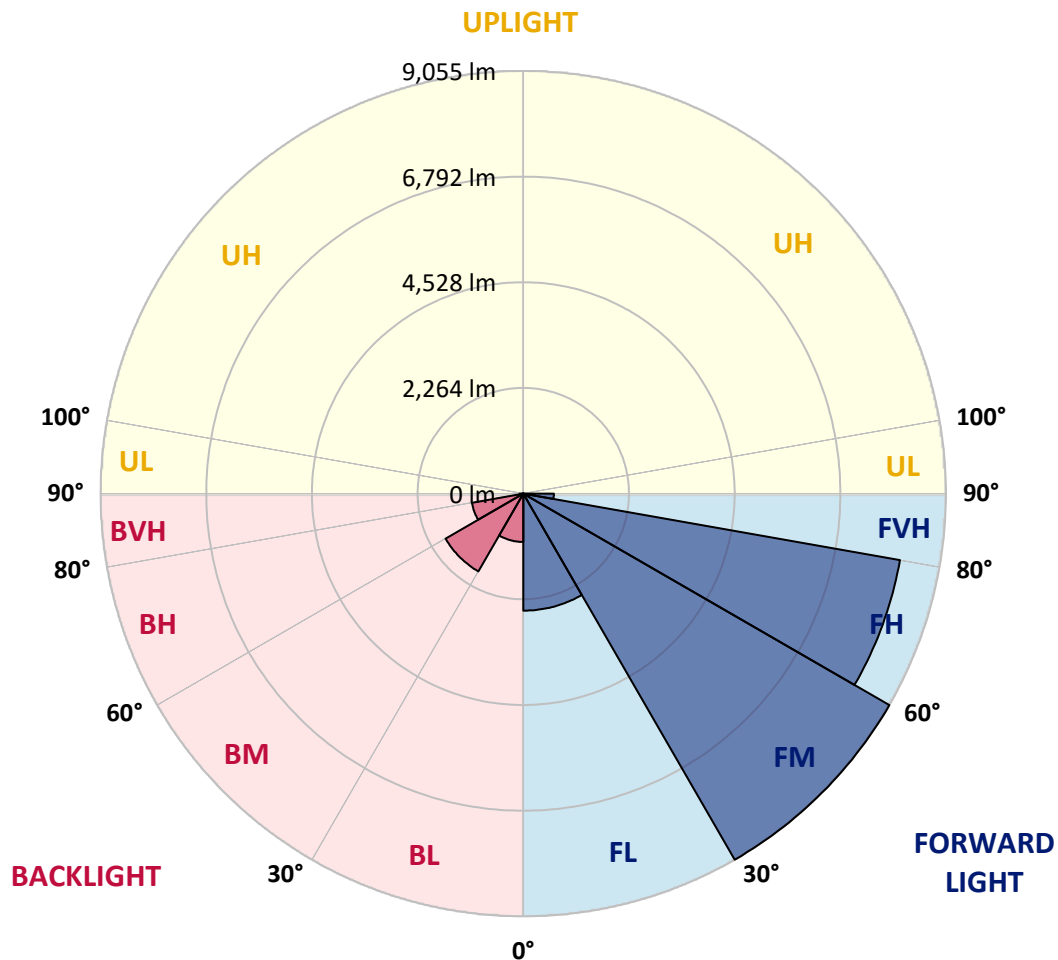
CATALOG NUMBER: GALN-SA5B-760-U-SLL

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

| Zone | | Lumens | % Fixture | Zone Rating/Lumen Limit | | |
|------|-------------|--------|-----------|-------------------------|------|----------|
| | | | | B | U | G |
| FL | (0°-30°) | 2507.2 | 10.2 | | | |
| FM | (30°-60°) | 9055.5 | 36.9 | | | |
| FH | (60°-80°) | 8194.3 | 33.4 | | | G4/12000 |
| FVH | (80°-90°) | 654.3 | 2.7 | | | G4/750 |
| BL | (0°-30°) | 1035.6 | 4.2 | B3/2500 | | |
| BM | (30°-60°) | 1923.5 | 7.8 | B2/2500 | | |
| BH | (60°-80°) | 1117.1 | 4.5 | B3/2500 | | G3/2500 |
| BVH | (80°-90°) | 75.5 | 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-G4

Type III Medium





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CANDELA DISTRIBUTION (FULL):

| | 0° | 1° | 5° | 15° | 25° | 35° | 45° | 55° | 65° | 75° | 85° |
|-------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 0° | 7674.1 | 7674.1 | 7674.1 | 7674.1 | 7674.1 | 7674.1 | 7674.1 | 7674.1 | 7674.1 | 7674.1 | 7674.1 |
| 2.5° | 8274.2 | 8285.2 | 8356.1 | 8562.4 | 8704.2 | 8756.2 | 8792.4 | 8724.7 | 8658.5 | 8497.9 | 8255.3 |
| 5° | 8249.0 | 8313.6 | 8497.9 | 8960.9 | 9326.4 | 9483.9 | 9531.1 | 9328.0 | 8992.5 | 8579.8 | 8083.6 |
| 7.5° | 7767.0 | 7853.6 | 8137.2 | 8913.7 | 9557.9 | 9926.5 | 9877.7 | 9510.7 | 8905.8 | 8170.2 | 7477.2 |
| 10° | 7195.2 | 7291.3 | 7633.1 | 8571.9 | 9402.0 | 9909.2 | 9909.2 | 9461.8 | 8658.5 | 7784.3 | 6985.7 |
| 12.5° | 6741.6 | 6842.4 | 7233.0 | 8220.6 | 9077.5 | 9557.9 | 9638.3 | 9253.9 | 8480.5 | 7540.2 | 6662.8 |
| 15° | 6591.9 | 6689.6 | 7110.2 | 8008.0 | 8734.1 | 9027.1 | 9053.9 | 8927.9 | 8393.9 | 7557.5 | 6648.6 |
| 17.5° | 6777.8 | 6903.8 | 7329.1 | 8071.0 | 8419.1 | 8436.4 | 8456.9 | 8556.1 | 8403.4 | 7874.1 | 6935.3 |
| 20° | 7314.9 | 7450.4 | 7894.6 | 8274.2 | 8143.5 | 7963.9 | 7974.9 | 8230.1 | 8515.2 | 8397.0 | 7620.5 |
| 22.5° | 8089.9 | 8208.0 | 8663.2 | 8631.7 | 8026.9 | 7656.7 | 7579.6 | 7935.5 | 8680.6 | 9049.2 | 8349.8 |
| 25° | 8926.3 | 9064.9 | 9587.9 | 9162.6 | 8060.0 | 7474.0 | 7425.2 | 7762.3 | 8852.3 | 9658.7 | 9192.5 |
| 27.5° | 9884.0 | 10019.4 | 10432.1 | 9698.1 | 8233.2 | 7459.8 | 7401.6 | 7746.5 | 9006.6 | 10222.6 | 9997.4 |
| 30° | 10595.9 | 10720.4 | 11000.7 | 10148.6 | 8445.9 | 7554.4 | 7481.9 | 7871.0 | 9138.9 | 10608.5 | 10781.8 |
| 32.5° | 11155.1 | 11284.3 | 11437.1 | 10429.0 | 8726.3 | 7726.0 | 7592.2 | 8097.8 | 9312.2 | 10903.1 | 11363.0 |
| 35° | 11737.9 | 11890.7 | 11879.7 | 10677.8 | 8987.7 | 7924.5 | 7793.8 | 8425.4 | 9584.7 | 11159.8 | 12100.2 |
| 37.5° | 12476.7 | 12538.1 | 12459.3 | 10901.5 | 9301.2 | 8282.1 | 8209.6 | 8912.1 | 9972.2 | 11470.1 | 12961.8 |
| 40° | 13226.4 | 13349.3 | 12944.5 | 11172.4 | 9682.4 | 8954.6 | 8946.8 | 9632.0 | 10432.1 | 11834.0 | 13796.6 |
| 42.5° | 13869.1 | 13973.0 | 13398.1 | 11408.7 | 10143.9 | 9775.3 | 9835.1 | 10597.5 | 11035.4 | 12256.1 | 14467.6 |
| 45° | 14352.6 | 14445.6 | 13817.1 | 11637.1 | 10751.9 | 10723.5 | 11076.4 | 11632.4 | 11796.2 | 12635.7 | 14861.4 |
| 47.5° | 14763.7 | 14853.5 | 14108.5 | 11983.6 | 11503.2 | 11856.0 | 12470.4 | 12711.3 | 12446.7 | 12853.1 | 15302.4 |
| 50° | 15110.3 | 15137.1 | 14308.5 | 12396.3 | 12435.7 | 13243.7 | 13839.1 | 13995.1 | 13089.4 | 13165.0 | 15685.2 |
| 52.5° | 15471.0 | 15436.3 | 14653.5 | 12916.1 | 13443.8 | 14560.6 | 14993.7 | 15156.0 | 13705.3 | 13549.3 | 16242.8 |
| 55° | 16279.0 | 16312.1 | 15426.9 | 13571.4 | 14462.9 | 15853.7 | 16423.9 | 16268.0 | 14387.3 | 14256.6 | 16951.6 |
| 57.5° | 17255.6 | 17227.3 | 16515.3 | 14596.8 | 15500.9 | 17057.1 | 17482.4 | 17232.0 | 15297.7 | 15228.4 | 17669.9 |
| 60° | 17635.2 | 17673.0 | 17425.7 | 15699.4 | 16524.8 | 18110.9 | 18545.7 | 18156.6 | 16389.3 | 16357.8 | 18211.7 |
| 62.5° | 17254.0 | 17466.7 | 17633.6 | 16680.7 | 17397.4 | 18885.9 | 19317.5 | 18873.3 | 17528.1 | 17756.5 | 18591.3 |
| 65° | 16494.8 | 16540.5 | 17109.1 | 17512.4 | 17817.9 | 19013.5 | 19238.7 | 19002.4 | 18479.5 | 19030.8 | 18574.0 |
| 67.5° | 15508.8 | 15548.2 | 16214.4 | 17784.9 | 17276.1 | 17564.3 | 17721.9 | 17652.5 | 18184.9 | 19467.1 | 17718.7 |
| 70° | 14570.0 | 14538.5 | 15242.6 | 17090.2 | 15039.4 | 14601.5 | 14732.2 | 14514.9 | 15691.5 | 18400.7 | 16041.2 |
| 72.5° | 12742.9 | 12856.3 | 13612.3 | 15159.1 | 11908.0 | 11196.1 | 11481.2 | 10918.8 | 12068.7 | 15759.2 | 13020.1 |
| 75° | 9981.6 | 10008.4 | 11270.1 | 12722.4 | 8983.0 | 7859.9 | 8245.8 | 8011.1 | 9244.5 | 13146.1 | 8990.9 |
| 77.5° | 6911.7 | 6851.8 | 8208.0 | 9717.0 | 6406.1 | 5754.0 | 5760.3 | 5648.4 | 6454.9 | 9679.2 | 6108.4 |
| 80° | 4389.9 | 4298.5 | 5138.1 | 6002.8 | 4402.5 | 4709.7 | 4555.3 | 4550.6 | 4202.5 | 5971.3 | 3693.7 |
| 82.5° | 2372.2 | 2473.0 | 3246.4 | 3763.0 | 3158.1 | 3640.1 | 3336.1 | 3238.5 | 2884.1 | 3737.8 | 2362.7 |
| 85° | 1080.5 | 1175.1 | 1731.1 | 2559.6 | 2398.9 | 2425.7 | 1620.8 | 1912.2 | 2386.3 | 3035.3 | 1261.7 |
| 87.5° | 105.5 | 135.5 | 357.6 | 1208.1 | 819.1 | 645.8 | 241.0 | 464.7 | 600.1 | 1079.0 | 100.8 |
| 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-SA5B-760-U-SLL

CANDELA DISTRIBUTION (continued):

| | 90° | 95° | 105° | 115° | 125° | 135° | 145° | 155° | 165° | 175° | 180° |
|-------|---------|---------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 7674.1 | 7674.1 | 7674.1 | 7674.1 | 7674.1 | 7674.1 | 7674.1 | 7674.1 | 7674.1 | 7674.1 | 7674.1 |
| 2.5° | 8156.1 | 8074.1 | 7795.3 | 7565.4 | 7321.2 | 7135.4 | 6892.8 | 6730.6 | 6618.7 | 6450.2 | 6429.7 |
| 5° | 7781.2 | 7581.1 | 7096.0 | 6601.4 | 6174.5 | 5853.2 | 5527.2 | 5227.9 | 5051.5 | 4996.3 | 4925.5 |
| 7.5° | 7149.5 | 6812.5 | 6188.7 | 5621.7 | 5131.8 | 4653.0 | 4284.4 | 4022.9 | 3848.1 | 3745.7 | 3622.8 |
| 10° | 6629.7 | 6239.1 | 5479.9 | 4785.3 | 4382.0 | 4084.3 | 3759.8 | 3479.5 | 3263.7 | 3079.4 | 2978.6 |
| 12.5° | 6280.1 | 5839.0 | 4985.3 | 4421.4 | 4109.5 | 3792.9 | 3413.3 | 3098.3 | 2780.1 | 2570.6 | 2480.8 |
| 15° | 6174.5 | 5708.3 | 4832.5 | 4240.3 | 3792.9 | 3378.7 | 2953.4 | 2542.3 | 2227.2 | 2028.8 | 1962.6 |
| 17.5° | 6432.9 | 5869.0 | 4830.9 | 3999.3 | 3421.2 | 2926.6 | 2381.6 | 1995.7 | 1672.8 | 1524.7 | 1477.5 |
| 20° | 6914.8 | 6177.7 | 4845.1 | 3761.4 | 3018.0 | 2321.8 | 1732.6 | 1416.0 | 1261.7 | 1198.7 | 1175.1 |
| 22.5° | 7587.4 | 6648.6 | 4887.6 | 3526.7 | 2576.9 | 1783.1 | 1297.9 | 1137.2 | 1082.1 | 1071.1 | 1066.4 |
| 25° | 8416.0 | 7231.4 | 5031.0 | 3315.7 | 2205.2 | 1360.9 | 1085.3 | 1012.8 | 981.3 | 970.3 | 968.7 |
| 27.5° | 9178.3 | 7984.4 | 5204.2 | 3134.5 | 1846.1 | 1173.5 | 981.3 | 919.9 | 888.4 | 886.8 | 890.0 |
| 30° | 9866.7 | 8614.4 | 5349.2 | 2931.3 | 1573.6 | 1042.7 | 913.6 | 852.1 | 822.2 | 820.6 | 830.1 |
| 32.5° | 10462.1 | 9132.6 | 5456.3 | 2731.3 | 1422.3 | 962.4 | 852.1 | 786.0 | 760.8 | 756.1 | 760.8 |
| 35° | 11098.4 | 9649.3 | 5407.4 | 2575.3 | 1335.7 | 896.3 | 806.5 | 741.9 | 712.0 | 697.8 | 697.8 |
| 37.5° | 11824.5 | 10181.7 | 5324.0 | 2446.2 | 1296.3 | 841.1 | 767.1 | 704.1 | 674.2 | 660.0 | 658.4 |
| 40° | 12616.8 | 10714.1 | 5209.0 | 2331.2 | 1257.0 | 808.0 | 740.3 | 674.2 | 637.9 | 623.8 | 620.6 |
| 42.5° | 13316.2 | 11169.3 | 5114.5 | 2255.6 | 1192.4 | 814.3 | 716.7 | 652.1 | 606.4 | 587.5 | 586.0 |
| 45° | 13924.2 | 11627.7 | 5097.1 | 2211.5 | 1138.8 | 804.9 | 710.4 | 634.8 | 581.2 | 560.7 | 557.6 |
| 47.5° | 14399.9 | 12104.9 | 5196.4 | 2186.3 | 1080.5 | 754.5 | 751.3 | 623.8 | 559.2 | 537.1 | 534.0 |
| 50° | 14979.5 | 12782.2 | 5423.2 | 2134.3 | 1027.0 | 707.2 | 793.9 | 622.2 | 541.8 | 513.5 | 505.6 |
| 52.5° | 15751.4 | 13664.3 | 5730.3 | 2041.4 | 949.8 | 663.1 | 757.6 | 622.2 | 521.4 | 493.0 | 483.6 |
| 55° | 16918.5 | 14789.0 | 6031.2 | 1910.6 | 841.1 | 604.9 | 683.6 | 603.3 | 491.4 | 466.2 | 459.9 |
| 57.5° | 17691.9 | 15611.2 | 6223.4 | 1729.5 | 705.7 | 562.3 | 589.1 | 573.3 | 461.5 | 434.7 | 434.7 |
| 60° | 17731.3 | 15831.7 | 6132.0 | 1501.1 | 620.6 | 522.9 | 511.9 | 578.1 | 434.7 | 406.4 | 403.2 |
| 62.5° | 17277.7 | 15291.4 | 5656.3 | 1296.3 | 574.9 | 480.4 | 463.1 | 507.2 | 408.0 | 379.6 | 374.9 |
| 65° | 16568.9 | 13913.2 | 4830.9 | 1198.7 | 549.7 | 442.6 | 417.4 | 415.8 | 379.6 | 352.8 | 346.5 |
| 67.5° | 15266.2 | 12158.5 | 3969.3 | 1142.0 | 537.1 | 400.1 | 376.5 | 368.6 | 346.5 | 324.5 | 321.3 |
| 70° | 13346.1 | 10183.3 | 3183.3 | 1118.3 | 530.8 | 356.0 | 337.1 | 327.6 | 308.7 | 291.4 | 289.8 |
| 72.5° | 10383.3 | 8260.0 | 2627.3 | 1102.6 | 527.7 | 315.0 | 294.6 | 281.9 | 270.9 | 255.2 | 255.2 |
| 75° | 7458.3 | 6076.9 | 2005.1 | 993.9 | 488.3 | 270.9 | 248.9 | 241.0 | 225.2 | 212.6 | 215.8 |
| 77.5° | 4701.8 | 4092.2 | 1320.0 | 730.9 | 378.0 | 217.4 | 198.5 | 193.7 | 181.1 | 163.8 | 174.8 |
| 80° | 3175.5 | 2877.8 | 770.2 | 459.9 | 237.8 | 159.1 | 152.8 | 151.2 | 137.0 | 118.1 | 119.7 |
| 82.5° | 2161.1 | 2120.1 | 400.1 | 261.5 | 137.0 | 92.9 | 89.8 | 92.9 | 77.2 | 63.0 | 63.0 |
| 85° | 844.3 | 1153.0 | 189.0 | 102.4 | 44.1 | 14.2 | 20.5 | 22.1 | 12.6 | 6.3 | 7.9 |
| 87.5° | 15.8 | 118.1 | 4.7 | 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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CANDELA DISTRIBUTION (continued):

| | 185° | 195° | 205° | 215° | 225° | 235° | 245° | 255° | 265° | 270° | 275° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 7674.1 | 7674.1 | 7674.1 | 7674.1 | 7674.1 | 7674.1 | 7674.1 | 7674.1 | 7674.1 | 7674.1 | 7674.1 |
| 2.5° | 6398.2 | 6384.0 | 6407.7 | 6306.8 | 6327.3 | 6365.1 | 6384.0 | 6395.1 | 6551.0 | 6514.8 | 6614.0 |
| 5° | 4991.6 | 4977.4 | 5068.8 | 5081.4 | 5128.6 | 5119.2 | 5164.9 | 5175.9 | 5232.6 | 5253.1 | 5391.7 |
| 7.5° | 3630.7 | 3692.1 | 3796.1 | 3849.6 | 3930.0 | 3955.2 | 3931.5 | 3989.8 | 3871.7 | 3956.7 | 3981.9 |
| 10° | 2917.2 | 2843.1 | 2799.0 | 2921.9 | 2937.6 | 3054.2 | 3006.9 | 2969.1 | 3038.4 | 3041.6 | 3107.7 |
| 12.5° | 2428.9 | 2269.8 | 2164.2 | 2198.9 | 2236.7 | 2287.1 | 2295.0 | 2370.6 | 2421.0 | 2468.2 | 2507.6 |
| 15° | 1904.3 | 1849.2 | 1753.1 | 1705.9 | 1759.4 | 1779.9 | 1828.7 | 1891.7 | 1945.3 | 1959.5 | 2013.0 |
| 17.5° | 1461.7 | 1471.2 | 1455.4 | 1427.1 | 1460.2 | 1475.9 | 1479.1 | 1480.6 | 1494.8 | 1485.4 | 1564.1 |
| 20° | 1176.6 | 1209.7 | 1249.1 | 1255.4 | 1266.4 | 1274.3 | 1260.1 | 1206.6 | 1208.1 | 1241.2 | 1266.4 |
| 22.5° | 1064.8 | 1071.1 | 1115.2 | 1129.4 | 1164.0 | 1149.8 | 1108.9 | 1083.7 | 1080.5 | 1088.4 | 1101.0 |
| 25° | 976.6 | 986.0 | 1017.5 | 1039.6 | 1066.4 | 1041.2 | 1011.2 | 987.6 | 984.5 | 992.3 | 1004.9 |
| 27.5° | 897.8 | 912.0 | 940.4 | 962.4 | 987.6 | 964.0 | 935.6 | 915.2 | 913.6 | 912.0 | 919.9 |
| 30° | 834.8 | 850.6 | 871.1 | 896.3 | 913.6 | 893.1 | 866.3 | 855.3 | 853.7 | 850.6 | 853.7 |
| 32.5° | 771.8 | 797.0 | 817.5 | 830.1 | 847.4 | 831.7 | 811.2 | 804.9 | 793.9 | 784.4 | 779.7 |
| 35° | 700.9 | 727.7 | 759.2 | 775.0 | 792.3 | 776.5 | 762.4 | 735.6 | 716.7 | 715.1 | 718.3 |
| 37.5° | 660.0 | 671.0 | 696.2 | 723.0 | 740.3 | 732.4 | 705.7 | 678.9 | 674.2 | 674.2 | 677.3 |
| 40° | 623.8 | 628.5 | 639.5 | 674.2 | 705.7 | 682.0 | 649.0 | 641.1 | 641.1 | 639.5 | 641.1 |
| 42.5° | 587.5 | 592.3 | 592.3 | 619.0 | 669.4 | 631.6 | 606.4 | 606.4 | 606.4 | 608.0 | 612.7 |
| 45° | 554.4 | 556.0 | 554.4 | 573.3 | 620.6 | 589.1 | 571.8 | 576.5 | 579.7 | 582.8 | 586.0 |
| 47.5° | 526.1 | 527.7 | 526.1 | 541.8 | 565.5 | 552.9 | 543.4 | 549.7 | 556.0 | 560.7 | 563.9 |
| 50° | 500.9 | 499.3 | 502.5 | 511.9 | 522.9 | 526.1 | 519.8 | 529.2 | 532.4 | 538.7 | 546.6 |
| 52.5° | 478.8 | 477.3 | 480.4 | 485.1 | 500.9 | 500.9 | 500.9 | 508.8 | 515.1 | 521.4 | 532.4 |
| 55° | 453.6 | 455.2 | 459.9 | 466.2 | 486.7 | 483.6 | 485.1 | 491.4 | 497.7 | 507.2 | 513.5 |
| 57.5° | 430.0 | 433.2 | 439.5 | 448.9 | 469.4 | 467.8 | 469.4 | 472.5 | 480.4 | 485.1 | 491.4 |
| 60° | 403.2 | 409.5 | 417.4 | 423.7 | 444.2 | 442.6 | 450.5 | 456.8 | 461.5 | 461.5 | 464.7 |
| 62.5° | 376.5 | 385.9 | 393.8 | 398.5 | 420.6 | 422.1 | 433.2 | 437.9 | 441.0 | 437.9 | 442.6 |
| 65° | 349.7 | 363.9 | 367.0 | 373.3 | 395.4 | 396.9 | 409.5 | 420.6 | 417.4 | 414.3 | 422.1 |
| 67.5° | 322.9 | 340.2 | 338.7 | 346.5 | 368.6 | 371.7 | 382.8 | 401.7 | 395.4 | 392.2 | 398.5 |
| 70° | 293.0 | 305.6 | 307.2 | 311.9 | 341.8 | 337.1 | 354.4 | 371.7 | 367.0 | 368.6 | 368.6 |
| 72.5° | 259.9 | 270.9 | 270.9 | 280.4 | 311.9 | 304.0 | 318.2 | 337.1 | 337.1 | 335.5 | 335.5 |
| 75° | 220.5 | 226.8 | 233.1 | 247.3 | 280.4 | 270.9 | 280.4 | 297.7 | 300.9 | 297.7 | 297.7 |
| 77.5° | 178.0 | 187.4 | 190.6 | 209.5 | 233.1 | 231.5 | 241.0 | 248.9 | 255.2 | 252.0 | 252.0 |
| 80° | 126.0 | 135.5 | 148.1 | 168.5 | 182.7 | 187.4 | 192.2 | 198.5 | 201.6 | 201.6 | 204.8 |
| 82.5° | 70.9 | 85.1 | 96.1 | 116.6 | 122.9 | 146.5 | 144.9 | 149.6 | 144.9 | 127.6 | 141.8 |
| 85° | 15.8 | 29.9 | 42.5 | 53.6 | 61.4 | 85.1 | 89.8 | 100.8 | 83.5 | 77.2 | 77.2 |
| 87.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 12.6 | 25.2 | 34.7 | 29.9 | 25.2 | 25.2 |
| 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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| 27.5° | 951.4 | 989.2 | 1071.1 | 1308.9 | 2002.0 | 3222.7 | 5473.6 | 8674.3 | 9611.5 | 9884.0 |
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| 70° | 387.5 | 398.5 | 403.2 | 430.0 | 620.6 | 1383.0 | 6165.1 | 12660.9 | 14393.6 | 14570.0 |
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| 77.5° | 266.2 | 266.2 | 274.1 | 294.6 | 471.0 | 938.8 | 2287.1 | 5720.9 | 6469.1 | 6911.7 |
| 80° | 215.8 | 217.4 | 214.2 | 236.3 | 346.5 | 642.7 | 1299.5 | 3821.3 | 4304.8 | 4389.9 |
| 82.5° | 165.4 | 160.7 | 162.2 | 173.3 | 258.3 | 437.9 | 693.1 | 2373.7 | 2419.4 | 2372.2 |
| 85° | 104.0 | 104.0 | 100.8 | 113.4 | 165.4 | 228.4 | 378.0 | 1453.9 | 1135.7 | 1080.5 |
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| 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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