

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: P454494

Luminaire Tested: **GALN-SA5C-760-U-SLL-HSS**

Issue Date: 1/4/2021

Test Information

Test Method: LM-79-08
Report Number: P454494
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-042-21)
Test Lab: INNOVATION CENTER
Issue Date: 1/4/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SA5C-760-U-SLL-HSS
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(5) 70 CRI, 5700K, 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: 25284 lumens
Efficiency: N/A
Efficacy: 94.0 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type III - Short
BUG Rating: B2 - U0 - G4

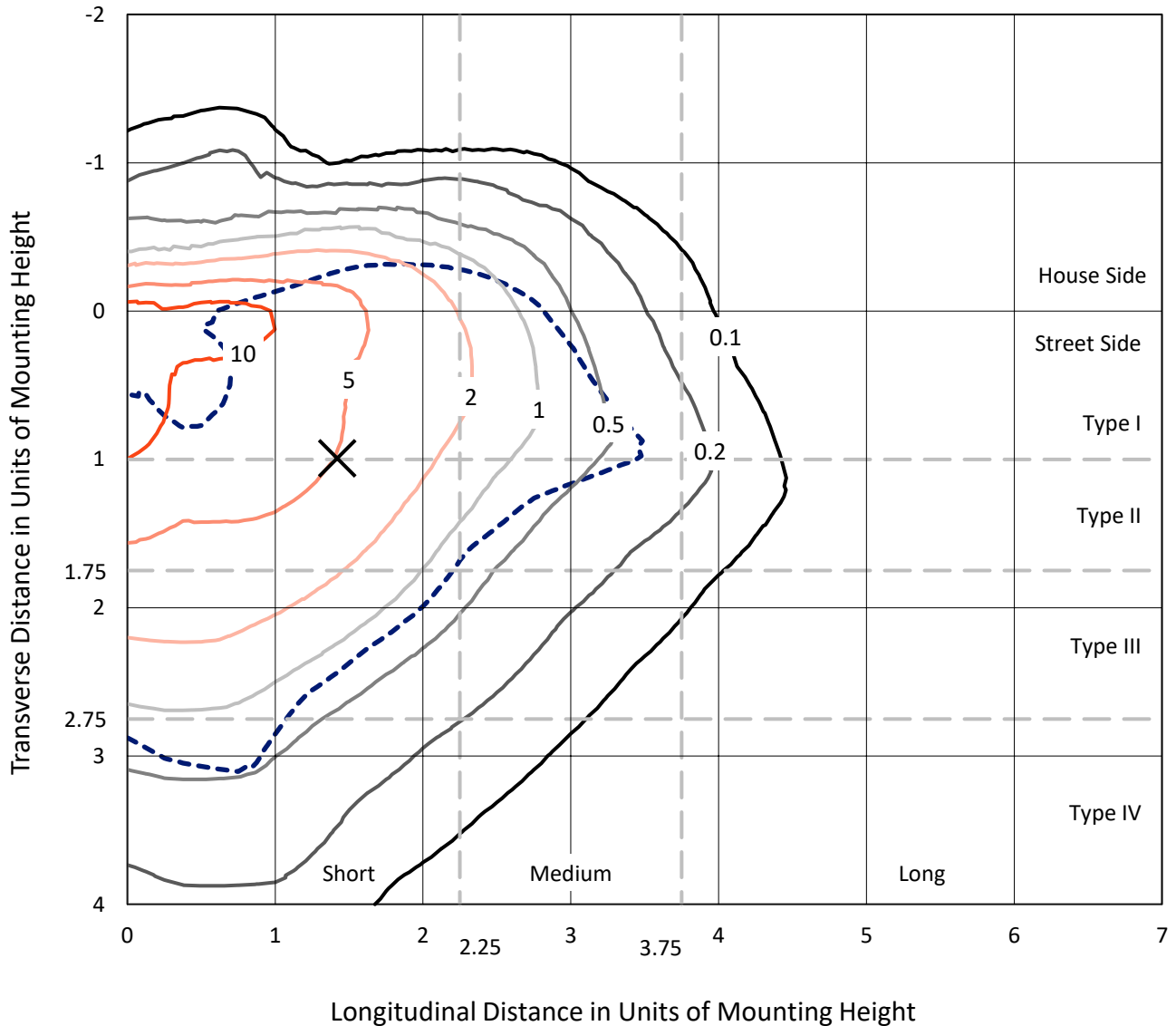
Input Watts (W): 269
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P454494
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Iso-Footcandle Lines of Horizontal Illumination

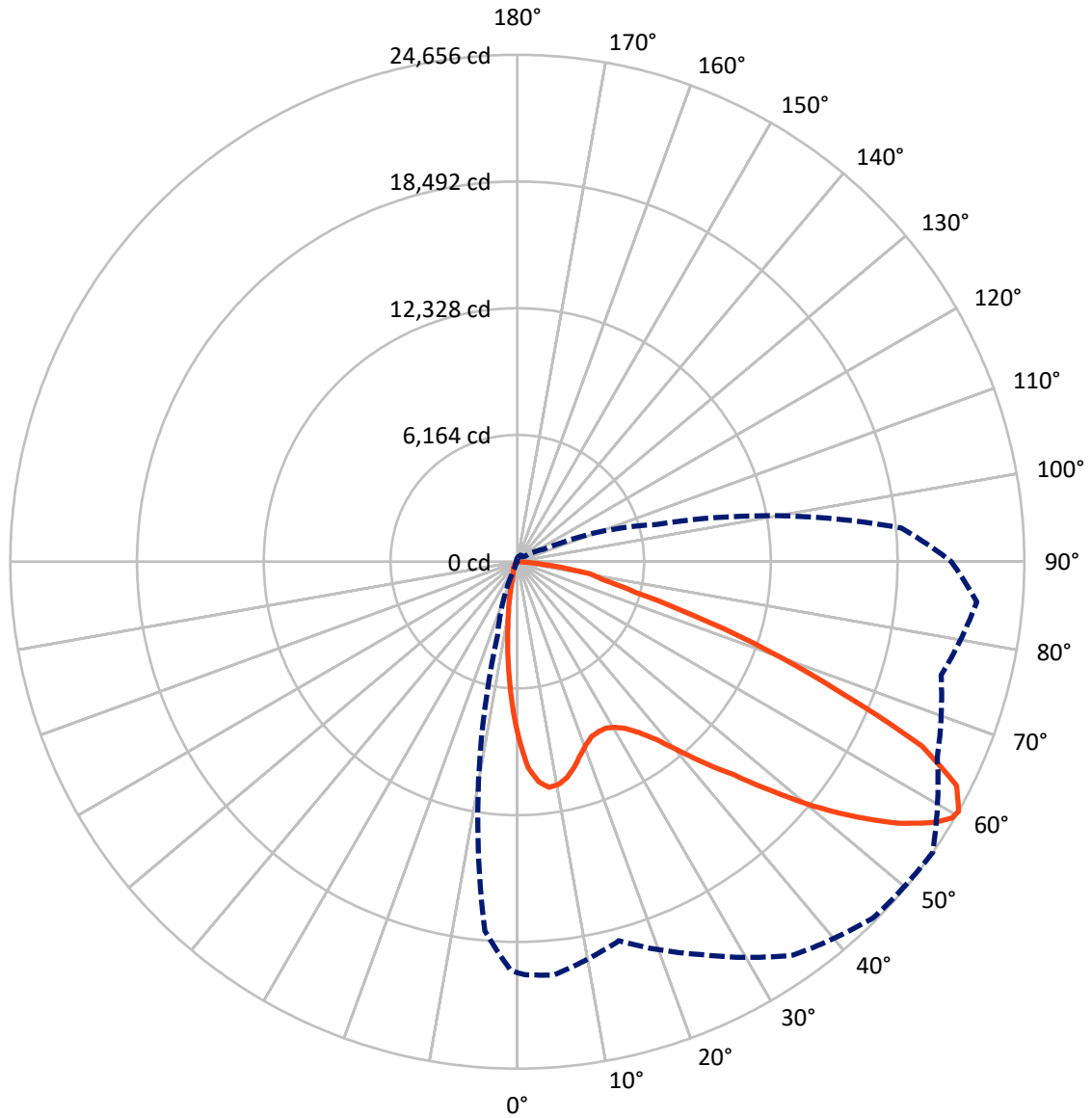
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 17.7 fc
 Type III - Short - N/A

REPORT NUMBER: P454494
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Luminous Intensity Polar Plot



— Vertical Plane Through 55-Deg Lateral - - - Horizontal Cone Through 60-Deg Vertical

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FLUX DISTRIBUTION:

| | | Downward | Upward | Total |
|--------------------|-----------|----------|--------|---------|
| House Side | Lumens | 3752.4 | 0.0 | 3752.4 |
| | % Fixture | 14.8 | 0.0 | 14.8 |
| Street Side | Lumens | 21531.6 | 0.0 | 21531.6 |
| | % Fixture | 85.2 | 0.0 | 85.2 |
| Total | Lumens | 25284.0 | 0.0 | 25284.0 |
| | % Fixture | 100.0 | 0.0 | 100.0 |

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|---------|-----------|
| 0°-10° | 634.0 | 2.5 |
| 10°-20° | 1248.4 | 4.9 |
| 20°-30° | 1847.9 | 7.3 |
| 30°-40° | 2754.5 | 10.9 |
| 40°-50° | 4033.9 | 16.0 |
| 50°-60° | 5823.7 | 23.0 |
| 60°-70° | 6126.3 | 24.2 |
| 70°-80° | 2520.1 | 10.0 |
| 80°-90° | 295.2 | 1.2 |
| 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° | 25284.0 | 100.0 |
| 0°-180° | 25284.0 | 100.0 |

Coefficient of Utilization



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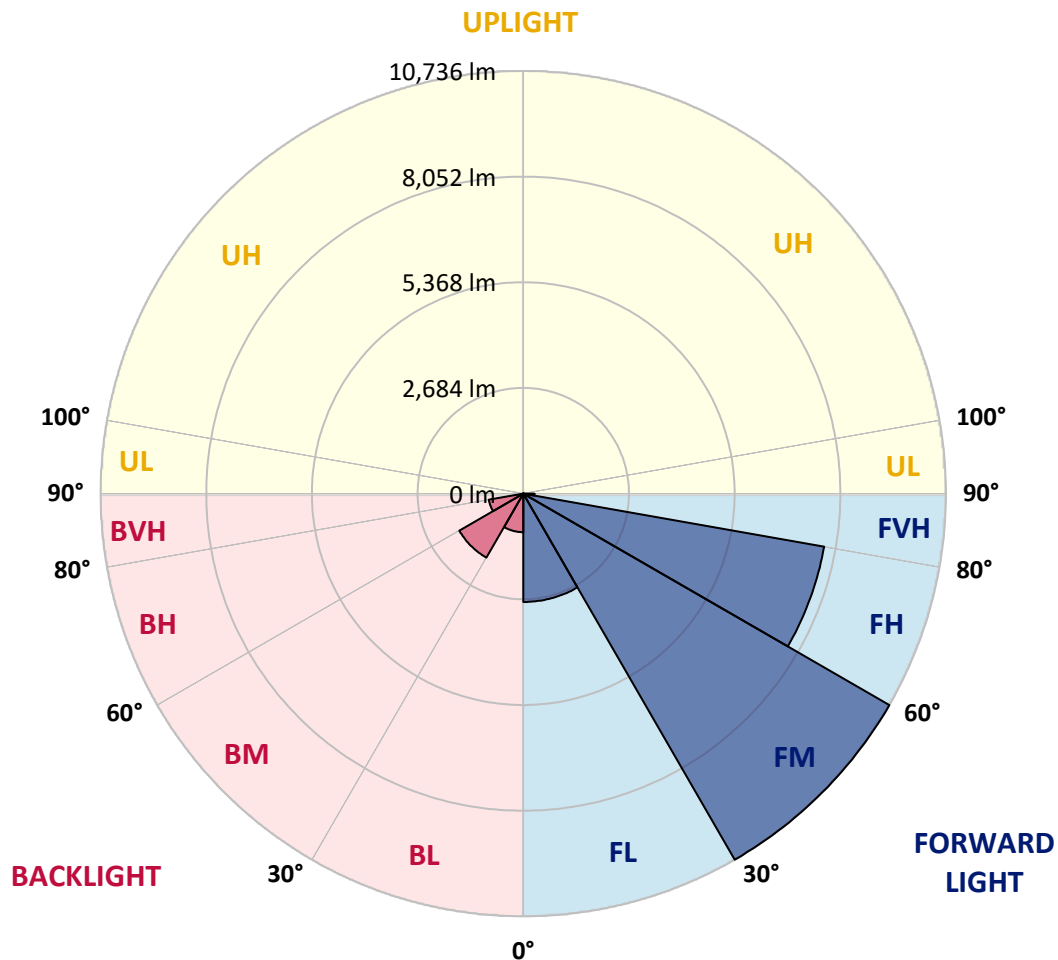
CATALOG NUMBER: GALN-SA5C-760-U-SLL-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

| Zone | Lumens | % Fixture | Zone Rating/Lumen Limit | | |
|----------------|---------|-----------|-------------------------|------|----------|
| | | | B | U | G |
| FL (0°-30°) | 2751.3 | 10.9 | | | |
| FM (30°-60°) | 10735.6 | 42.5 | | | |
| FH (60°-80°) | 7758.3 | 30.7 | | | G4/12000 |
| FVH (80°-90°) | 286.5 | 1.1 | | | G3/500 |
| BL (0°-30°) | 979.0 | 3.9 | B2/1000 | | |
| BM (30°-60°) | 1876.5 | 7.4 | B2/2500 | | |
| BH (60°-80°) | 888.1 | 3.5 | B2/1000 | | G2/1000 |
| BVH (80°-90°) | 8.7 | 0.0 | | | G0/10 |
| UL (90°-100°) | 0.0 | 0.0 | | U0/0 | |
| UH (100°-180°) | 0.0 | 0.0 | | U0/0 | |

BUG Rating: B2-U0-G4

Type III Short





REPORT NUMBER: P454494

CATALOG NUMBER: GALN-SA5C-760-U-SLL-HSS

CANDELA DISTRIBUTION (FULL):

| | 0° | 1° | 5° | 15° | 25° | 35° | 45° | 55° | 65° | 75° | 85° |
|-------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 0° | 8561.1 | 8561.1 | 8561.1 | 8561.1 | 8561.1 | 8561.1 | 8561.1 | 8561.1 | 8561.1 | 8561.1 | 8561.1 |
| 2.5° | 9353.2 | 9337.6 | 9475.8 | 9701.5 | 9929.2 | 10047.9 | 10024.6 | 10014.9 | 9826.1 | 9687.9 | 9397.9 |
| 5° | 9333.7 | 9413.5 | 9660.7 | 10271.8 | 10734.9 | 10958.7 | 11024.9 | 10746.6 | 10378.8 | 9845.5 | 9187.8 |
| 7.5° | 8775.2 | 8874.4 | 9277.3 | 10232.8 | 11056.1 | 11542.6 | 11525.1 | 11079.4 | 10320.4 | 9495.2 | 8557.2 |
| 10° | 8082.3 | 8199.1 | 8672.0 | 9831.9 | 10900.4 | 11542.6 | 11577.6 | 11013.2 | 10069.4 | 9010.7 | 8024.0 |
| 12.5° | 7593.9 | 7732.0 | 8255.5 | 9458.3 | 10499.5 | 11132.0 | 11172.8 | 10764.1 | 9880.6 | 8823.8 | 7734.0 |
| 15° | 7428.4 | 7558.8 | 8090.1 | 9269.5 | 10073.2 | 10413.8 | 10404.1 | 10361.3 | 9806.6 | 8868.6 | 7749.5 |
| 17.5° | 7712.6 | 7819.6 | 8419.0 | 9355.1 | 9674.3 | 9639.3 | 9689.9 | 9896.1 | 9822.2 | 9244.2 | 8240.0 |
| 20° | 8446.3 | 8555.3 | 9199.4 | 9617.8 | 9368.7 | 9146.9 | 9170.2 | 9514.7 | 9966.2 | 9950.6 | 9006.8 |
| 22.5° | 9456.3 | 9641.2 | 10225.0 | 10127.7 | 9327.9 | 8841.3 | 8792.7 | 9240.3 | 10211.4 | 10764.1 | 10042.1 |
| 25° | 10734.9 | 10921.8 | 11377.2 | 10941.2 | 9528.3 | 8769.3 | 8724.6 | 9156.6 | 10509.2 | 11558.2 | 11207.8 |
| 27.5° | 11809.2 | 11951.3 | 12404.7 | 11733.3 | 9824.1 | 8800.5 | 8726.5 | 9168.3 | 10750.5 | 12233.5 | 12190.7 |
| 30° | 12669.4 | 12774.5 | 13041.1 | 12103.1 | 10079.1 | 8936.7 | 8851.1 | 9339.6 | 10857.5 | 12562.4 | 12986.6 |
| 32.5° | 13362.2 | 13539.3 | 13623.0 | 12498.1 | 10445.0 | 9193.6 | 9047.6 | 9668.4 | 11118.3 | 12969.1 | 13821.5 |
| 35° | 14154.3 | 14358.7 | 14251.6 | 12875.7 | 10927.6 | 9594.5 | 9415.5 | 10201.7 | 11513.4 | 13344.7 | 14790.7 |
| 37.5° | 15158.5 | 15394.0 | 14975.6 | 13272.7 | 11437.5 | 10197.8 | 10114.1 | 10951.0 | 12112.8 | 13881.9 | 15829.9 |
| 40° | 16197.8 | 16334.0 | 15678.1 | 13755.4 | 12064.2 | 11075.5 | 11155.3 | 12064.2 | 12897.1 | 14526.0 | 16935.4 |
| 42.5° | 17009.3 | 17137.8 | 16400.2 | 14160.2 | 12704.4 | 12116.7 | 12449.5 | 13407.0 | 13796.2 | 15185.8 | 17760.5 |
| 45° | 17630.1 | 17739.1 | 16900.3 | 14601.9 | 13568.5 | 13625.0 | 14253.6 | 14790.7 | 14697.3 | 15588.6 | 18396.9 |
| 47.5° | 18112.8 | 18206.2 | 17285.7 | 15076.8 | 14862.7 | 15469.9 | 16431.3 | 16659.0 | 15631.4 | 16024.6 | 18973.0 |
| 50° | 18311.3 | 18338.5 | 17406.3 | 15682.0 | 16332.0 | 17820.9 | 18823.1 | 18684.9 | 16701.8 | 16509.1 | 19586.0 |
| 52.5° | 18570.1 | 18564.3 | 17750.8 | 16258.1 | 17713.8 | 19922.7 | 20923.0 | 20609.7 | 17912.3 | 17235.1 | 20274.9 |
| 55° | 19249.3 | 19257.1 | 18488.4 | 17075.5 | 18891.2 | 21619.7 | 22690.1 | 22462.4 | 19189.0 | 18461.1 | 21078.7 |
| 57.5° | 20074.5 | 20103.7 | 19537.4 | 18031.0 | 20016.1 | 22849.7 | 24009.6 | 23922.0 | 20915.2 | 19825.4 | 21837.7 |
| 59° | 20181.5 | 20239.9 | 20033.6 | 18704.4 | 20683.6 | 23227.2 | 24461.1 | 24546.7 | 21839.6 | 20724.5 | 22248.3 |
| 60° | 19986.9 | 20084.2 | 20177.6 | 19085.8 | 21074.8 | 23363.5 | 24488.3 | 24655.7 | 22534.4 | 21335.6 | 22435.2 |
| 62.5° | 19138.4 | 19292.1 | 19761.2 | 20259.4 | 21563.3 | 22939.2 | 23618.4 | 23968.7 | 23394.6 | 22941.2 | 22452.7 |
| 65° | 18027.1 | 18106.9 | 18784.2 | 20467.6 | 20615.5 | 20958.0 | 21168.2 | 21617.8 | 22361.2 | 23560.0 | 21648.9 |
| 67.5° | 16205.6 | 16441.0 | 17270.1 | 19259.1 | 17818.9 | 17414.1 | 17361.6 | 16913.9 | 18844.5 | 22084.9 | 19667.7 |
| 70° | 13387.5 | 13492.6 | 14514.4 | 15789.1 | 13447.9 | 12825.1 | 13074.2 | 12906.8 | 14607.8 | 19011.9 | 15829.9 |
| 72.5° | 10123.8 | 10361.3 | 11359.6 | 12585.7 | 9150.8 | 8343.1 | 9030.1 | 8967.8 | 10972.4 | 15279.2 | 10875.1 |
| 75° | 7202.7 | 7356.4 | 8629.2 | 9849.4 | 6408.7 | 5429.7 | 5676.9 | 5908.5 | 7660.0 | 12064.2 | 6426.2 |
| 77.5° | 4949.0 | 5081.4 | 6036.9 | 6513.7 | 4674.6 | 4478.1 | 4096.6 | 4320.4 | 5019.1 | 7157.9 | 3497.2 |
| 80° | 2985.4 | 2979.5 | 3608.2 | 3724.9 | 3255.9 | 3781.4 | 3172.2 | 3561.4 | 3034.0 | 3063.2 | 1354.5 |
| 82.5° | 1938.4 | 1918.9 | 2206.9 | 2405.4 | 1811.9 | 1905.3 | 1278.6 | 1843.0 | 1977.3 | 854.4 | 428.2 |
| 85° | 868.0 | 905.0 | 1060.6 | 1399.3 | 794.0 | 422.3 | 260.8 | 566.3 | 842.7 | 430.1 | 0.0 |
| 87.5° | 89.5 | 70.1 | 186.8 | 340.6 | 109.0 | 11.7 | 38.9 | 19.5 | 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: GALN-SA5C-760-U-SLL-HSS

CANDELA DISTRIBUTION (continued):

| | 90° | 95° | 105° | 115° | 125° | 135° | 145° | 155° | 165° | 175° | 180° |
|-------|---------|---------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 8561.1 | 8561.1 | 8561.1 | 8561.1 | 8561.1 | 8561.1 | 8561.1 | 8561.1 | 8561.1 | 8561.1 | 8561.1 |
| 2.5° | 9263.7 | 9150.8 | 8814.1 | 8498.8 | 8228.3 | 7897.5 | 7683.4 | 7346.7 | 7142.4 | 7080.1 | 7089.8 |
| 5° | 8891.9 | 8566.9 | 7926.6 | 7414.8 | 6844.6 | 6519.6 | 6025.3 | 5550.4 | 5293.5 | 5198.2 | 5155.3 |
| 7.5° | 8113.5 | 7765.1 | 6992.5 | 6188.7 | 5577.7 | 5007.4 | 4639.6 | 4221.2 | 3935.1 | 3699.6 | 3658.8 |
| 10° | 7535.5 | 7078.1 | 6120.6 | 5256.5 | 4773.9 | 4345.7 | 3977.9 | 3559.5 | 3222.8 | 2954.2 | 2880.3 |
| 12.5° | 7189.1 | 6677.2 | 5608.8 | 4884.8 | 4427.5 | 3987.7 | 3508.9 | 3024.3 | 2679.8 | 2389.9 | 2255.6 |
| 15° | 7126.8 | 6533.2 | 5464.8 | 4618.2 | 4053.8 | 3522.5 | 2886.1 | 2362.6 | 2008.4 | 1734.0 | 1650.3 |
| 17.5° | 7502.4 | 6792.0 | 5443.4 | 4339.9 | 3565.3 | 2812.2 | 2150.5 | 1716.5 | 1317.5 | 1163.8 | 1103.5 |
| 20° | 8171.9 | 7249.4 | 5441.4 | 4016.8 | 3063.2 | 2166.1 | 1510.2 | 1119.0 | 957.5 | 883.5 | 848.5 |
| 22.5° | 9084.6 | 7872.2 | 5544.6 | 3738.5 | 2541.7 | 1597.8 | 1078.2 | 891.3 | 797.9 | 737.6 | 724.0 |
| 25° | 10199.7 | 8794.6 | 5797.6 | 3549.8 | 2142.7 | 1253.3 | 889.4 | 762.9 | 685.0 | 657.8 | 646.1 |
| 27.5° | 11190.3 | 9678.2 | 6075.9 | 3355.2 | 1856.6 | 1109.3 | 825.2 | 698.7 | 636.4 | 615.0 | 597.5 |
| 30° | 12044.7 | 10480.0 | 6210.1 | 3098.3 | 1627.0 | 1015.9 | 836.8 | 747.3 | 665.6 | 601.4 | 572.2 |
| 32.5° | 12757.0 | 11095.0 | 6297.7 | 2864.7 | 1432.4 | 831.0 | 661.7 | 578.0 | 541.0 | 517.7 | 498.2 |
| 35° | 13648.3 | 11760.6 | 6245.2 | 2732.4 | 1333.1 | 757.1 | 603.3 | 498.2 | 435.9 | 389.2 | 369.8 |
| 37.5° | 14582.5 | 12426.1 | 6153.7 | 2623.4 | 1288.3 | 702.6 | 574.1 | 472.9 | 404.8 | 356.1 | 330.8 |
| 40° | 15549.7 | 13043.1 | 6046.7 | 2522.2 | 1247.5 | 667.5 | 556.6 | 451.5 | 383.4 | 330.8 | 303.6 |
| 42.5° | 16435.2 | 13644.4 | 6003.9 | 2456.0 | 1181.3 | 673.4 | 543.0 | 441.8 | 362.0 | 307.5 | 284.1 |
| 45° | 17151.4 | 14214.6 | 6062.2 | 2421.0 | 1109.3 | 663.6 | 546.9 | 430.1 | 344.5 | 291.9 | 268.6 |
| 47.5° | 17916.2 | 15020.3 | 6251.0 | 2386.0 | 1039.2 | 616.9 | 576.1 | 428.2 | 336.7 | 282.2 | 256.9 |
| 50° | 18805.6 | 16051.8 | 6683.1 | 2300.3 | 953.6 | 566.3 | 613.0 | 426.2 | 327.0 | 270.5 | 245.2 |
| 52.5° | 19990.8 | 17223.4 | 7128.7 | 2150.5 | 829.1 | 517.7 | 585.8 | 420.4 | 307.5 | 256.9 | 231.6 |
| 55° | 21055.3 | 18457.2 | 7506.3 | 1973.4 | 671.4 | 447.6 | 527.4 | 395.1 | 274.4 | 233.5 | 210.2 |
| 57.5° | 21495.2 | 19154.0 | 7494.6 | 1728.2 | 537.1 | 393.1 | 434.0 | 362.0 | 239.4 | 206.3 | 186.8 |
| 59° | 21333.6 | 19066.4 | 7243.6 | 1547.2 | 490.4 | 363.9 | 360.0 | 358.1 | 223.8 | 186.8 | 171.3 |
| 60° | 21105.9 | 18747.2 | 6973.0 | 1457.7 | 461.2 | 344.5 | 330.8 | 354.2 | 210.2 | 175.2 | 159.6 |
| 62.5° | 20234.1 | 17423.8 | 6075.9 | 1305.9 | 422.3 | 291.9 | 264.7 | 299.7 | 186.8 | 151.8 | 138.2 |
| 65° | 18971.0 | 15390.1 | 5143.7 | 1263.0 | 410.6 | 241.3 | 219.9 | 214.1 | 159.6 | 128.4 | 116.8 |
| 67.5° | 16507.2 | 13023.6 | 4166.7 | 1233.9 | 414.5 | 202.4 | 192.7 | 161.5 | 132.3 | 107.0 | 99.3 |
| 70° | 13216.3 | 10155.0 | 3411.6 | 1200.8 | 418.4 | 165.4 | 161.5 | 128.4 | 107.0 | 89.5 | 81.7 |
| 72.5° | 8029.8 | 6019.4 | 2685.7 | 1043.1 | 406.7 | 132.3 | 144.0 | 97.3 | 77.8 | 64.2 | 60.3 |
| 75° | 4964.6 | 4120.0 | 1665.9 | 811.5 | 268.6 | 97.3 | 101.2 | 60.3 | 52.5 | 40.9 | 40.9 |
| 77.5° | 2876.4 | 2602.0 | 595.5 | 291.9 | 118.7 | 58.4 | 44.8 | 31.1 | 29.2 | 17.5 | 17.5 |
| 80° | 1193.0 | 955.6 | 206.3 | 99.3 | 64.2 | 27.2 | 9.7 | 1.9 | 0.0 | 0.0 | 0.0 |
| 82.5° | 348.4 | 309.4 | 56.4 | 44.8 | 19.5 | 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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 CATALOG NUMBER: GALN-SA5C-760-U-SLL-HSS

CANDELA DISTRIBUTION (continued):

| | 185° | 195° | 205° | 215° | 225° | 235° | 245° | 255° | 265° | 270° | 275° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 8561.1 | 8561.1 | 8561.1 | 8561.1 | 8561.1 | 8561.1 | 8561.1 | 8561.1 | 8561.1 | 8561.1 | 8561.1 |
| 2.5° | 6924.4 | 6860.2 | 6831.0 | 6930.2 | 6838.8 | 6955.5 | 6866.0 | 6904.9 | 7019.7 | 7070.3 | 7200.7 |
| 5° | 5182.6 | 5116.4 | 5085.3 | 5235.1 | 5227.3 | 5301.3 | 5293.5 | 5361.6 | 5420.0 | 5289.6 | 5423.9 |
| 7.5° | 3610.1 | 3565.3 | 3639.3 | 3756.1 | 3880.6 | 3839.7 | 3839.7 | 3748.3 | 3779.4 | 3760.0 | 3754.1 |
| 10° | 2746.0 | 2592.3 | 2553.3 | 2549.5 | 2596.2 | 2605.9 | 2553.3 | 2426.8 | 2473.6 | 2487.2 | 2568.9 |
| 12.5° | 2160.2 | 2041.5 | 1860.5 | 1778.8 | 1757.4 | 1774.9 | 1601.7 | 1490.7 | 1543.3 | 1512.2 | 1591.9 |
| 15° | 1549.1 | 1451.8 | 1344.8 | 1253.3 | 1228.0 | 1193.0 | 1004.2 | 871.9 | 856.3 | 862.1 | 875.8 |
| 17.5° | 1105.4 | 1039.2 | 1039.2 | 941.9 | 889.4 | 784.3 | 688.9 | 630.6 | 624.7 | 630.6 | 640.3 |
| 20° | 815.4 | 780.4 | 776.5 | 751.2 | 692.8 | 622.8 | 556.6 | 544.9 | 541.0 | 550.8 | 554.7 |
| 22.5° | 702.6 | 665.6 | 634.4 | 632.5 | 578.0 | 519.6 | 488.5 | 472.9 | 474.9 | 478.8 | 488.5 |
| 25° | 628.6 | 589.7 | 556.6 | 537.1 | 498.2 | 457.3 | 428.2 | 420.4 | 420.4 | 426.2 | 428.2 |
| 27.5° | 576.1 | 527.4 | 498.2 | 471.0 | 435.9 | 400.9 | 375.6 | 369.8 | 365.9 | 369.8 | 379.5 |
| 30° | 539.1 | 490.4 | 453.5 | 412.6 | 385.3 | 352.3 | 330.8 | 323.1 | 321.1 | 323.1 | 330.8 |
| 32.5° | 461.2 | 432.0 | 402.9 | 365.9 | 332.8 | 311.4 | 288.0 | 274.4 | 274.4 | 278.3 | 286.1 |
| 35° | 348.4 | 332.8 | 330.8 | 321.1 | 293.9 | 270.5 | 243.3 | 229.6 | 229.6 | 237.4 | 241.3 |
| 37.5° | 307.5 | 278.3 | 274.4 | 270.5 | 258.8 | 227.7 | 202.4 | 190.7 | 188.8 | 194.6 | 202.4 |
| 40° | 280.2 | 247.2 | 229.6 | 225.8 | 227.7 | 192.7 | 165.4 | 153.7 | 153.7 | 155.7 | 163.5 |
| 42.5° | 258.8 | 219.9 | 188.8 | 184.9 | 192.7 | 161.5 | 134.3 | 122.6 | 122.6 | 122.6 | 132.3 |
| 45° | 241.3 | 196.6 | 159.6 | 140.1 | 151.8 | 132.3 | 109.0 | 97.3 | 93.4 | 97.3 | 101.2 |
| 47.5° | 229.6 | 179.0 | 140.1 | 112.9 | 112.9 | 105.1 | 87.6 | 74.0 | 70.1 | 72.0 | 77.8 |
| 50° | 219.9 | 163.5 | 118.7 | 91.5 | 81.7 | 83.7 | 66.2 | 56.4 | 52.5 | 52.5 | 58.4 |
| 52.5° | 204.3 | 147.9 | 103.1 | 77.8 | 62.3 | 56.4 | 48.7 | 40.9 | 38.9 | 40.9 | 44.8 |
| 55° | 184.9 | 134.3 | 89.5 | 64.2 | 48.7 | 38.9 | 35.0 | 29.2 | 27.2 | 29.2 | 35.0 |
| 57.5° | 163.5 | 112.9 | 72.0 | 50.6 | 33.1 | 25.3 | 23.4 | 19.5 | 15.6 | 17.5 | 21.4 |
| 59° | 149.9 | 101.2 | 62.3 | 40.9 | 25.3 | 17.5 | 17.5 | 13.6 | 9.7 | 11.7 | 17.5 |
| 60° | 144.0 | 93.4 | 52.5 | 35.0 | 21.4 | 13.6 | 13.6 | 9.7 | 5.8 | 7.8 | 13.6 |
| 62.5° | 122.6 | 77.8 | 40.9 | 21.4 | 9.7 | 1.9 | 5.8 | 1.9 | 0.0 | 1.9 | 5.8 |
| 65° | 103.1 | 62.3 | 27.2 | 9.7 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.9 |
| 67.5° | 85.6 | 46.7 | 13.6 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 70° | 68.1 | 31.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 72.5° | 46.7 | 17.5 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 75° | 29.2 | 5.8 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 77.5° | 11.7 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 80° | 0.0 | 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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| 59° | 37.0 | 58.4 | 81.7 | 97.3 | 128.4 | 177.1 | 3804.7 | 18352.1 | 20047.2 | 20181.5 |
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| 62.5° | 23.4 | 40.9 | 52.5 | 74.0 | 97.3 | 144.0 | 3257.8 | 16892.5 | 19033.3 | 19138.4 |
| 65° | 15.6 | 29.2 | 38.9 | 54.5 | 75.9 | 124.6 | 2654.5 | 15421.3 | 17791.7 | 18027.1 |
| 67.5° | 9.7 | 21.4 | 31.1 | 40.9 | 62.3 | 105.1 | 1891.7 | 13224.1 | 16053.8 | 16205.6 |
| 70° | 5.8 | 13.6 | 23.4 | 33.1 | 48.7 | 83.7 | 1122.9 | 10452.7 | 13356.4 | 13387.5 |
| 72.5° | 3.9 | 9.7 | 15.6 | 23.4 | 38.9 | 75.9 | 544.9 | 6813.5 | 9752.1 | 10123.8 |
| 75° | 1.9 | 5.8 | 9.7 | 17.5 | 31.1 | 62.3 | 260.8 | 4552.0 | 7095.6 | 7202.7 |
| 77.5° | 0.0 | 1.9 | 5.8 | 11.7 | 23.4 | 48.7 | 151.8 | 2989.3 | 4838.1 | 4949.0 |
| 80° | 0.0 | 0.0 | 3.9 | 9.7 | 17.5 | 31.1 | 91.5 | 1763.2 | 2930.9 | 2985.4 |
| 82.5° | 0.0 | 0.0 | 1.9 | 7.8 | 11.7 | 23.4 | 46.7 | 774.6 | 1918.9 | 1938.4 |
| 85° | 0.0 | 0.0 | 1.9 | 7.8 | 9.7 | 15.6 | 17.5 | 105.1 | 852.4 | 868.0 |
| 87.5° | 0.0 | 0.0 | 1.9 | 9.7 | 9.7 | 9.7 | 9.7 | 5.8 | 72.0 | 89.5 |
| 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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