

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: P530005

Luminaire Tested: **GALN-SA5B-722-U-SLR-GRSBK**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P530005
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-25)
Test Lab: INNOVATION CENTER
Issue Date: 5/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SA5B-722-U-SLR-GRSBK
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(5) 70 CRI, 2200K, 800mA LIGHTSQUARES WITH 16 LEDS EACH AND SPILL LIGHT
ELIMINATOR RIGHT OPTICS WITH BLACK GLARE REDUCTION SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 11581 lumens
Efficiency: N/A
Efficacy: 56.8 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type III - Short
BUG Rating: B2 - U0 - G1

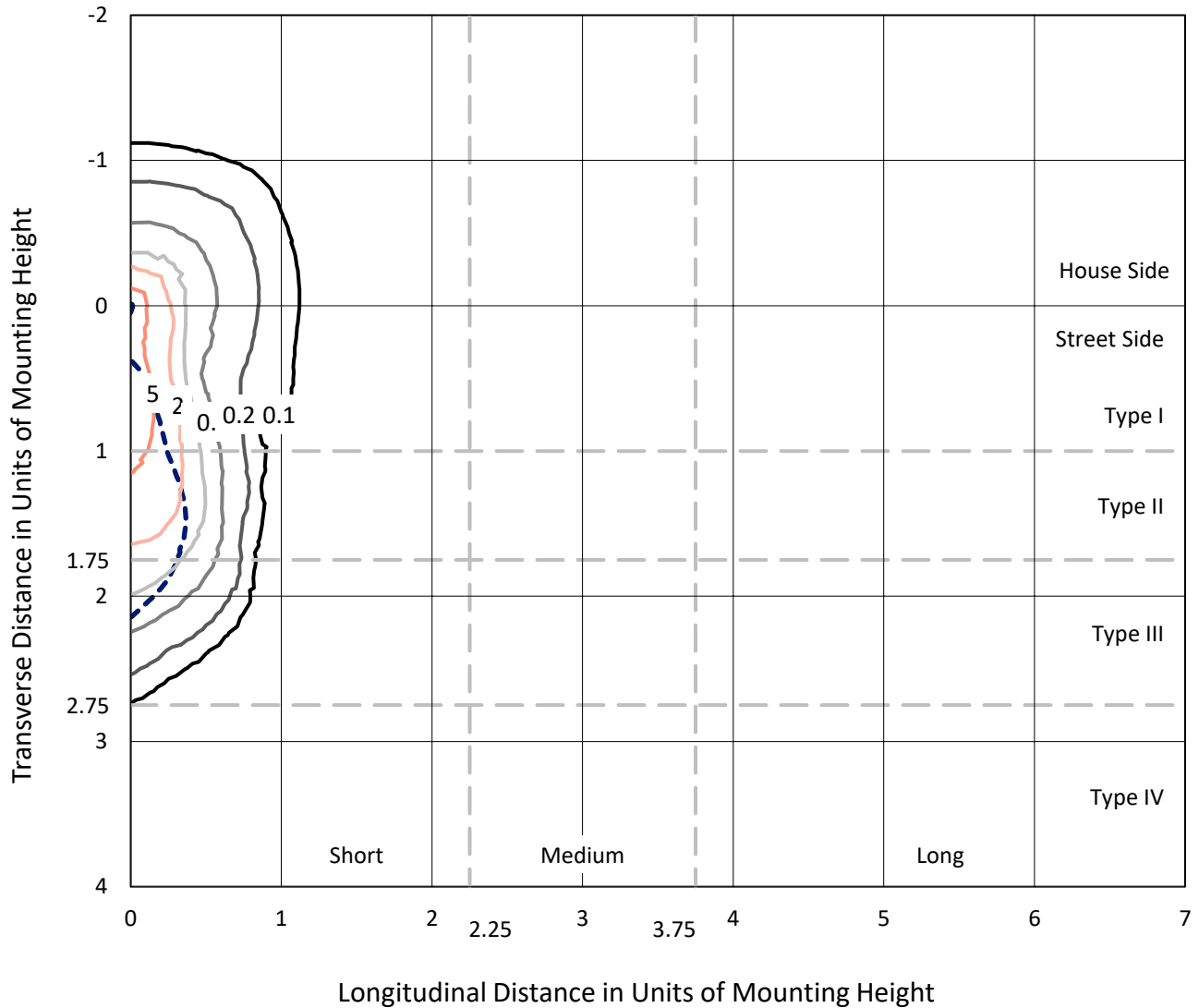
Input Watts (W): 204
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

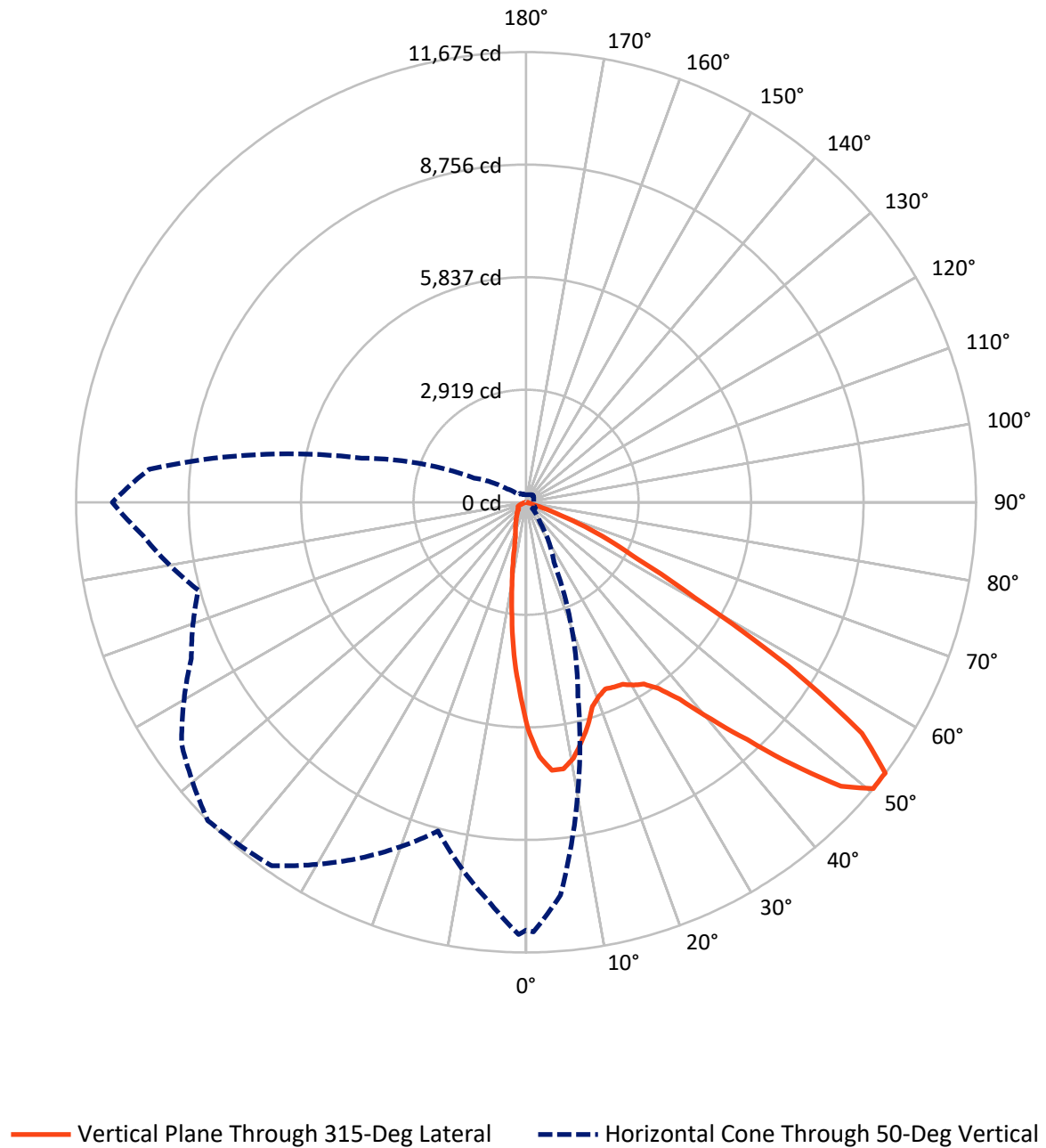
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 9.4 fc
 Type III - Short - N/A

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Luminous Intensity Polar Plot



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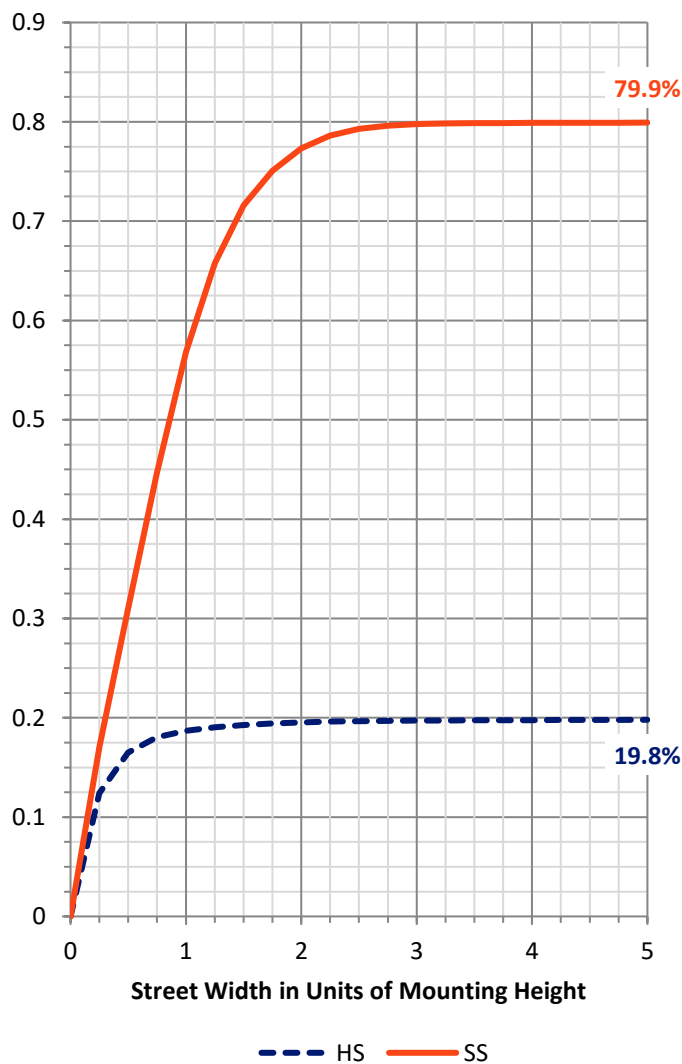
FLUX DISTRIBUTION:

| | | Downward | Upward | Total |
|--------------------|-----------|----------|--------|---------|
| House Side | Lumens | 2319.7 | 0.0 | 2319.7 |
| | % Fixture | 20.0 | 0.0 | 20.0 |
| Street Side | Lumens | 9261.3 | 0.0 | 9261.3 |
| | % Fixture | 80.0 | 0.0 | 80.0 |
| Total | Lumens | 11581.0 | 0.0 | 11581.0 |
| | % Fixture | 100.0 | 0.0 | 100.0 |

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|---------|-----------|
| 0°-10° | 428.1 | 3.7 |
| 10°-20° | 850.8 | 7.3 |
| 20°-30° | 1278.1 | 11.0 |
| 30°-40° | 1918.5 | 16.6 |
| 40°-50° | 2696.3 | 23.3 |
| 50°-60° | 2908.4 | 25.1 |
| 60°-70° | 1350.4 | 11.7 |
| 70°-80° | 127.1 | 1.1 |
| 80°-90° | 23.4 | 0.2 |
| 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° | 11581.0 | 100.0 |
| 0°-180° | 11581.0 | 100.0 |

Coefficient of Utilization



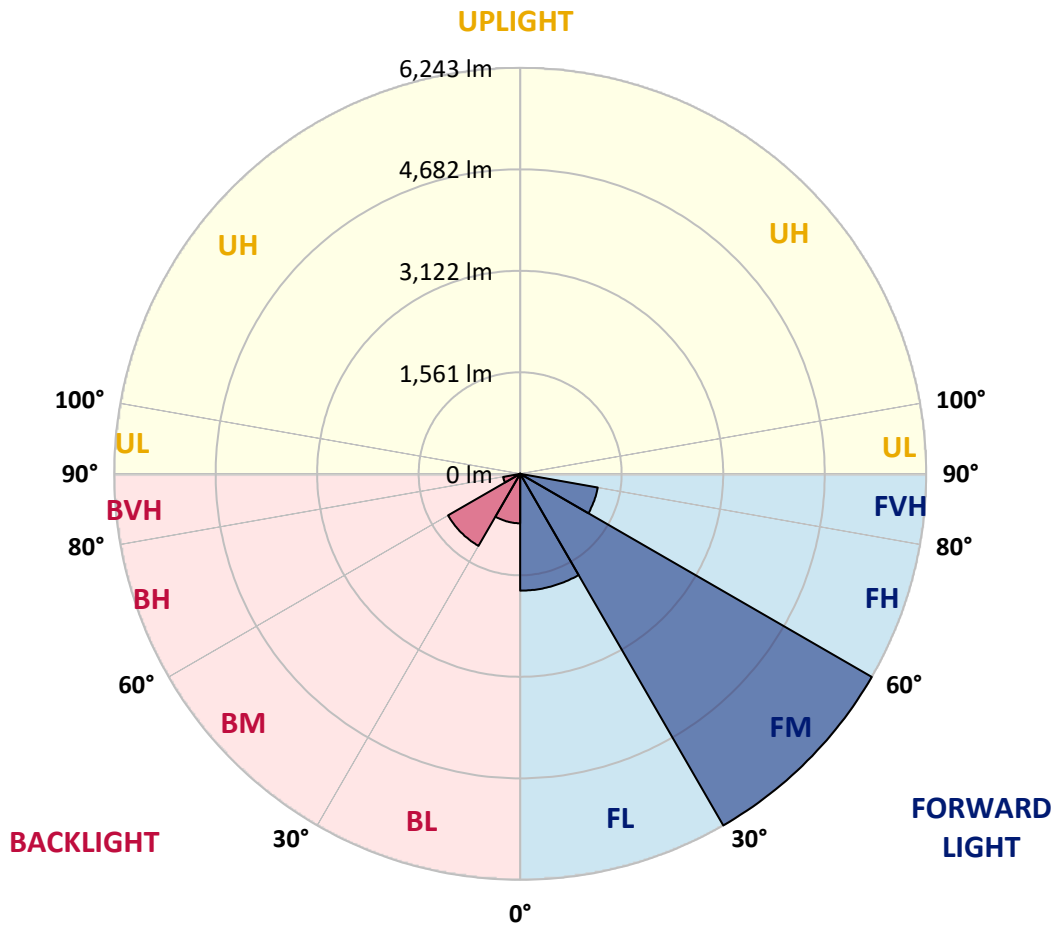
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

| Zone | Lumens | % Fixture | Zone Rating/Lumen Limit | | |
|----------------|--------|-----------|-------------------------|------|---------|
| | | | B | U | G |
| FL (0°-30°) | 1796.7 | 15.5 | | | |
| FM (30°-60°) | 6243.0 | 53.9 | | | |
| FH (60°-80°) | 1211.1 | 10.5 | | | G1/1800 |
| FVH (80°-90°) | 10.6 | 0.1 | | | G1/100 |
| BL (0°-30°) | 760.3 | 6.6 | B2/1000 | | |
| BM (30°-60°) | 1280.1 | 11.1 | B2/2500 | | |
| BH (60°-80°) | 266.4 | 2.3 | B1/500 | | G1/500 |
| BVH (80°-90°) | 12.9 | 0.1 | | | G1/100 |
| UL (90°-100°) | 0.0 | 0.0 | | U0/0 | |
| UH (100°-180°) | 0.0 | 0.0 | | U0/0 | |

BUG Rating: B2-U0-G1

Type III Short





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CANDELA DISTRIBUTION (FULL):

| | 0° | 1° | 5° | 15° | 25° | 35° | 45° | 55° | 65° | 75° | 85° |
|-------|---------|---------|---------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 5873.0 | 5873.0 | 5873.0 | 5873.0 | 5873.0 | 5873.0 | 5873.0 | 5873.0 | 5873.0 | 5873.0 | 5873.0 |
| 2.5° | 6105.1 | 6010.9 | 5891.4 | 5792.6 | 5645.6 | 5349.1 | 5268.7 | 5172.2 | 5091.8 | 4983.8 | 4832.2 |
| 5° | 5551.3 | 5521.5 | 5466.3 | 5094.1 | 4825.3 | 4466.8 | 4172.7 | 4048.6 | 3885.5 | 3752.2 | 3655.7 |
| 7.5° | 5128.6 | 5009.1 | 4834.4 | 4459.9 | 4030.2 | 3646.5 | 3320.2 | 3129.5 | 2913.5 | 2840.0 | 2709.0 |
| 10° | 4675.9 | 4703.5 | 4446.1 | 3919.9 | 3400.7 | 3090.5 | 2888.3 | 2704.4 | 2509.1 | 2380.5 | 2194.3 |
| 12.5° | 4531.1 | 4441.5 | 4243.9 | 3593.7 | 3150.2 | 2860.7 | 2614.8 | 2387.4 | 2180.6 | 1973.8 | 1794.5 |
| 15° | 4625.4 | 4487.5 | 4211.8 | 3524.7 | 2957.2 | 2596.4 | 2288.6 | 1980.7 | 1789.9 | 1525.7 | 1339.6 |
| 17.5° | 4963.1 | 4852.8 | 4482.9 | 3598.3 | 2858.4 | 2343.7 | 1886.4 | 1569.4 | 1277.5 | 1038.6 | 944.4 |
| 20° | 5526.1 | 5369.8 | 4905.7 | 3692.5 | 2711.3 | 2038.1 | 1530.3 | 1139.7 | 864.0 | 762.9 | 710.0 |
| 22.5° | 6077.5 | 5992.5 | 5406.6 | 3874.0 | 2580.4 | 1767.0 | 1148.9 | 767.4 | 645.7 | 627.3 | 592.8 |
| 25° | 7127.6 | 6872.5 | 6171.7 | 4202.6 | 2479.3 | 1511.9 | 866.2 | 618.1 | 546.9 | 533.1 | 537.7 |
| 27.5° | 7752.6 | 7538.9 | 6879.4 | 4420.9 | 2366.7 | 1316.6 | 733.0 | 567.5 | 519.3 | 489.4 | 477.9 |
| 30° | 8352.3 | 8104.1 | 7231.0 | 4549.5 | 2125.4 | 1109.8 | 650.3 | 544.6 | 533.1 | 489.4 | 475.6 |
| 32.5° | 8814.1 | 8570.6 | 7738.8 | 4742.5 | 2026.6 | 976.5 | 535.4 | 425.1 | 395.2 | 390.6 | 432.0 |
| 35° | 9521.8 | 9262.2 | 8173.1 | 4848.2 | 1950.8 | 907.6 | 464.1 | 379.1 | 344.7 | 330.9 | 333.2 |
| 37.5° | 10181.3 | 10004.4 | 8575.2 | 4889.6 | 1870.4 | 886.9 | 415.9 | 340.1 | 310.2 | 301.0 | 298.7 |
| 40° | 10732.7 | 10337.5 | 8956.6 | 4933.3 | 1835.9 | 847.9 | 386.0 | 310.2 | 289.5 | 275.7 | 275.7 |
| 42.5° | 10985.5 | 10583.4 | 9384.0 | 4908.0 | 1826.7 | 785.8 | 386.0 | 284.9 | 268.8 | 255.0 | 252.8 |
| 45° | 10930.4 | 10767.2 | 9574.7 | 4896.5 | 1826.7 | 723.8 | 351.6 | 278.0 | 255.0 | 236.7 | 232.1 |
| 47.5° | 11072.8 | 10859.1 | 9813.7 | 4944.7 | 1789.9 | 680.1 | 296.4 | 291.8 | 241.3 | 218.3 | 213.7 |
| 50° | 11098.1 | 11139.4 | 10229.5 | 5195.2 | 1709.5 | 625.0 | 232.1 | 287.2 | 232.1 | 197.6 | 193.0 |
| 52° | 11263.5 | 11006.2 | 10355.9 | 5328.5 | 1624.5 | 583.6 | 195.3 | 245.9 | 222.9 | 183.8 | 179.2 |
| 52.5° | 11036.1 | 11203.8 | 10385.8 | 5376.7 | 1633.7 | 556.1 | 188.4 | 241.3 | 218.3 | 183.8 | 172.3 |
| 55° | 10781.0 | 10941.8 | 10264.0 | 5480.1 | 1498.1 | 436.6 | 147.1 | 174.6 | 197.6 | 160.8 | 153.9 |
| 57.5° | 9370.2 | 9533.3 | 8919.8 | 5018.3 | 1220.1 | 307.9 | 121.8 | 131.0 | 174.6 | 149.4 | 142.5 |
| 60° | 8329.3 | 8212.1 | 7486.0 | 4186.5 | 866.2 | 172.3 | 96.5 | 101.1 | 190.7 | 137.9 | 135.6 |
| 62.5° | 7612.4 | 7362.0 | 6256.7 | 3232.9 | 528.5 | 114.9 | 75.8 | 78.1 | 147.1 | 128.7 | 128.7 |
| 65° | 5631.8 | 5351.4 | 4156.6 | 1955.4 | 259.6 | 80.4 | 57.4 | 62.0 | 91.9 | 110.3 | 110.3 |
| 67.5° | 3214.5 | 3106.5 | 2008.2 | 882.3 | 108.0 | 50.6 | 43.7 | 48.3 | 71.2 | 89.6 | 85.0 |
| 70° | 1477.4 | 1325.8 | 772.0 | 186.1 | 50.6 | 34.5 | 34.5 | 39.1 | 57.4 | 66.6 | 62.0 |
| 72.5° | 432.0 | 409.0 | 188.4 | 29.9 | 20.7 | 20.7 | 23.0 | 29.9 | 43.7 | 50.6 | 46.0 |
| 75° | 32.2 | 20.7 | 13.8 | 9.2 | 9.2 | 13.8 | 18.4 | 29.9 | 43.7 | 48.3 | 39.1 |
| 77.5° | 2.3 | 4.6 | 2.3 | 2.3 | 6.9 | 13.8 | 20.7 | 36.8 | 57.4 | 59.7 | 43.7 |
| 80° | 2.3 | 2.3 | 0.0 | 2.3 | 6.9 | 13.8 | 23.0 | 41.4 | 64.3 | 68.9 | 36.8 |
| 82.5° | 0.0 | 0.0 | 0.0 | 2.3 | 9.2 | 18.4 | 27.6 | 43.7 | 59.7 | 73.5 | 39.1 |
| 85° | 0.0 | 0.0 | 0.0 | 2.3 | 13.8 | 25.3 | 32.2 | 11.5 | 6.9 | 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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CANDELA DISTRIBUTION (continued):

| | 90° | 95° | 105° | 115° | 125° | 135° | 145° | 155° | 165° | 175° | 180° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 5873.0 | 5873.0 | 5873.0 | 5873.0 | 5873.0 | 5873.0 | 5873.0 | 5873.0 | 5873.0 | 5873.0 | 5873.0 |
| 2.5° | 4940.1 | 4880.4 | 4857.4 | 4878.1 | 4871.2 | 4864.3 | 4990.7 | 4963.1 | 4958.5 | 4999.9 | 4990.7 |
| 5° | 3708.6 | 3602.9 | 3892.4 | 3775.2 | 3897.0 | 3970.5 | 3984.3 | 3991.2 | 4076.2 | 3986.6 | 4103.8 |
| 7.5° | 2642.4 | 2670.0 | 2667.7 | 2745.8 | 2886.0 | 3010.0 | 3083.6 | 3026.1 | 3021.5 | 3010.0 | 2959.5 |
| 10° | 2111.6 | 2063.4 | 2054.2 | 2035.8 | 2079.5 | 2185.2 | 2274.8 | 2203.5 | 2153.0 | 2221.9 | 2201.2 |
| 12.5° | 1725.6 | 1659.0 | 1622.2 | 1548.7 | 1551.0 | 1622.2 | 1622.2 | 1622.2 | 1672.8 | 1711.8 | 1741.7 |
| 15° | 1323.5 | 1268.4 | 1268.4 | 1194.8 | 1178.7 | 1181.0 | 1217.8 | 1222.4 | 1302.8 | 1325.8 | 1337.3 |
| 17.5° | 926.0 | 896.1 | 930.6 | 960.5 | 942.1 | 946.7 | 960.5 | 965.1 | 976.5 | 967.3 | 990.3 |
| 20° | 712.3 | 707.7 | 716.9 | 769.7 | 808.8 | 831.8 | 815.7 | 792.7 | 778.9 | 746.8 | 746.8 |
| 22.5° | 604.3 | 613.5 | 629.6 | 673.2 | 723.8 | 737.6 | 719.2 | 666.3 | 625.0 | 620.4 | 622.7 |
| 25° | 537.7 | 546.9 | 572.1 | 599.7 | 627.3 | 650.3 | 631.9 | 592.8 | 569.8 | 549.2 | 549.2 |
| 27.5° | 496.3 | 500.9 | 514.7 | 535.4 | 558.4 | 576.7 | 569.8 | 549.2 | 523.9 | 514.7 | 494.0 |
| 30° | 464.1 | 471.0 | 487.1 | 491.7 | 512.4 | 521.6 | 510.1 | 505.5 | 489.4 | 477.9 | 471.0 |
| 32.5° | 448.1 | 445.8 | 457.3 | 461.8 | 464.1 | 471.0 | 457.3 | 464.1 | 461.8 | 443.5 | 436.6 |
| 35° | 337.8 | 356.1 | 386.0 | 411.3 | 418.2 | 427.4 | 425.1 | 415.9 | 390.6 | 369.9 | 344.7 |
| 37.5° | 303.3 | 314.8 | 330.9 | 351.6 | 379.1 | 390.6 | 386.0 | 363.0 | 333.2 | 319.4 | 314.8 |
| 40° | 280.3 | 287.2 | 301.0 | 314.8 | 342.4 | 363.0 | 347.0 | 326.3 | 303.3 | 291.8 | 284.9 |
| 42.5° | 259.6 | 261.9 | 268.8 | 282.6 | 303.3 | 335.5 | 307.9 | 280.3 | 271.1 | 264.2 | 259.6 |
| 45° | 236.7 | 236.7 | 245.9 | 252.8 | 275.7 | 305.6 | 278.0 | 252.8 | 248.2 | 243.6 | 241.3 |
| 47.5° | 218.3 | 220.6 | 225.2 | 234.4 | 252.8 | 273.4 | 255.0 | 234.4 | 222.9 | 220.6 | 216.0 |
| 50° | 195.3 | 197.6 | 206.8 | 216.0 | 239.0 | 250.5 | 239.0 | 216.0 | 204.5 | 197.6 | 197.6 |
| 52° | 176.9 | 183.8 | 193.0 | 211.4 | 227.5 | 245.9 | 232.1 | 206.8 | 193.0 | 186.1 | 181.5 |
| 52.5° | 174.6 | 179.2 | 188.4 | 209.1 | 227.5 | 243.6 | 229.8 | 204.5 | 188.4 | 183.8 | 179.2 |
| 55° | 156.2 | 163.1 | 179.2 | 204.5 | 225.2 | 243.6 | 225.2 | 202.2 | 179.2 | 167.7 | 163.1 |
| 57.5° | 149.4 | 153.9 | 174.6 | 206.8 | 222.9 | 243.6 | 225.2 | 202.2 | 179.2 | 158.5 | 153.9 |
| 60° | 142.5 | 151.7 | 174.6 | 199.9 | 220.6 | 245.9 | 227.5 | 199.9 | 174.6 | 149.4 | 149.4 |
| 62.5° | 135.6 | 142.5 | 172.3 | 195.3 | 211.4 | 236.7 | 218.3 | 195.3 | 167.7 | 142.5 | 140.2 |
| 65° | 117.2 | 128.7 | 151.7 | 163.1 | 181.5 | 204.5 | 186.1 | 170.0 | 147.1 | 126.4 | 124.1 |
| 67.5° | 89.6 | 94.2 | 112.6 | 126.4 | 137.9 | 158.5 | 149.4 | 128.7 | 112.6 | 96.5 | 96.5 |
| 70° | 62.0 | 66.6 | 80.4 | 87.3 | 98.8 | 110.3 | 103.4 | 87.3 | 75.8 | 66.6 | 64.3 |
| 72.5° | 43.7 | 46.0 | 50.6 | 55.1 | 59.7 | 64.3 | 62.0 | 50.6 | 43.7 | 41.4 | 39.1 |
| 75° | 34.5 | 39.1 | 41.4 | 39.1 | 36.8 | 34.5 | 34.5 | 29.9 | 25.3 | 23.0 | 23.0 |
| 77.5° | 34.5 | 36.8 | 34.5 | 29.9 | 25.3 | 23.0 | 20.7 | 18.4 | 13.8 | 11.5 | 13.8 |
| 80° | 29.9 | 29.9 | 29.9 | 25.3 | 23.0 | 20.7 | 18.4 | 16.1 | 13.8 | 11.5 | 11.5 |
| 82.5° | 32.2 | 32.2 | 29.9 | 25.3 | 25.3 | 20.7 | 20.7 | 18.4 | 16.1 | 11.5 | 11.5 |
| 85° | 0.0 | 0.0 | 0.0 | 4.6 | 11.5 | 20.7 | 20.7 | 18.4 | 16.1 | 13.8 | 13.8 |
| 87.5° | 0.0 | 0.0 | 0.0 | 0.0 | 2.3 | 4.6 | 9.2 | 11.5 | 13.8 | 13.8 | 13.8 |
| 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-722-U-SLR-GRSBK

CANDELA DISTRIBUTION (continued):

| | 185° | 195° | 205° | 215° | 225° | 235° | 245° | 255° | 265° | 270° | 275° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|---------|---------|
| 0° | 5873.0 | 5873.0 | 5873.0 | 5873.0 | 5873.0 | 5873.0 | 5873.0 | 5873.0 | 5873.0 | 5873.0 | 5873.0 |
| 2.5° | 5073.4 | 5160.7 | 5326.2 | 5491.6 | 5592.7 | 5712.2 | 5928.2 | 6043.1 | 6192.4 | 6265.9 | 6410.7 |
| 5° | 4087.7 | 4294.5 | 4368.0 | 4556.4 | 4758.6 | 4960.8 | 5282.5 | 5636.4 | 5930.5 | 6132.7 | 6394.6 |
| 7.5° | 2982.5 | 3030.7 | 3315.6 | 3442.0 | 3772.9 | 4140.5 | 4579.4 | 5025.2 | 5397.4 | 5728.3 | 5928.2 |
| 10° | 2235.7 | 2412.6 | 2591.9 | 2833.1 | 3099.7 | 3478.8 | 3899.3 | 4391.0 | 4873.5 | 5204.4 | 5457.1 |
| 12.5° | 1796.8 | 1937.0 | 2176.0 | 2435.6 | 2764.2 | 3014.6 | 3437.4 | 3924.5 | 4549.5 | 4873.5 | 5206.7 |
| 15° | 1360.3 | 1539.5 | 1810.6 | 2079.5 | 2426.4 | 2690.7 | 3118.0 | 3731.5 | 4535.7 | 4981.5 | 5268.7 |
| 17.5° | 1008.7 | 1130.5 | 1374.0 | 1675.1 | 2028.9 | 2401.1 | 2977.9 | 3710.9 | 4689.7 | 5220.5 | 5516.9 |
| 20° | 772.0 | 813.4 | 967.3 | 1236.2 | 1619.9 | 2107.0 | 2750.4 | 3800.5 | 5144.6 | 5801.8 | 6102.8 |
| 22.5° | 625.0 | 643.4 | 703.1 | 889.2 | 1261.5 | 1849.7 | 2642.4 | 3862.5 | 5657.0 | 6498.0 | 6900.1 |
| 25° | 544.6 | 540.0 | 579.0 | 659.5 | 985.7 | 1608.4 | 2504.5 | 4096.9 | 6284.3 | 7316.0 | 7676.8 |
| 27.5° | 496.3 | 496.3 | 514.7 | 572.1 | 818.0 | 1452.2 | 2417.2 | 4264.6 | 6916.2 | 8035.2 | 8230.5 |
| 30° | 471.0 | 475.6 | 528.5 | 546.9 | 680.1 | 1266.1 | 2272.5 | 4434.6 | 7520.5 | 8494.7 | 8763.6 |
| 32.5° | 436.6 | 418.2 | 406.7 | 452.7 | 572.1 | 1098.3 | 2127.7 | 4505.9 | 8009.9 | 9057.7 | 9287.5 |
| 35° | 335.5 | 326.3 | 340.1 | 374.5 | 491.7 | 955.9 | 1966.9 | 4586.3 | 8572.9 | 9710.3 | 9756.2 |
| 37.5° | 303.3 | 301.0 | 310.2 | 340.1 | 413.6 | 831.8 | 1852.0 | 4565.6 | 9002.6 | 10250.2 | 10126.1 |
| 40° | 280.3 | 280.3 | 287.2 | 312.5 | 369.9 | 744.5 | 1732.5 | 4547.2 | 9418.4 | 10856.8 | 10493.8 |
| 42.5° | 261.9 | 261.9 | 273.4 | 289.5 | 351.6 | 687.0 | 1642.9 | 4522.0 | 9767.7 | 11229.1 | 10709.8 |
| 45° | 236.7 | 243.6 | 261.9 | 278.0 | 356.1 | 648.0 | 1576.3 | 4425.4 | 9887.2 | 11224.5 | 10606.4 |
| 47.5° | 218.3 | 227.5 | 245.9 | 268.8 | 321.7 | 636.5 | 1530.3 | 4340.4 | 9845.8 | 10948.7 | 10282.4 |
| 50° | 197.6 | 209.1 | 234.4 | 273.4 | 273.4 | 613.5 | 1482.0 | 4416.3 | 9816.0 | 10735.0 | 9972.2 |
| 52° | 183.8 | 193.0 | 225.2 | 266.5 | 239.0 | 565.2 | 1452.2 | 4563.3 | 9937.7 | 10707.5 | 9834.3 |
| 52.5° | 181.5 | 188.4 | 218.3 | 261.9 | 227.5 | 556.1 | 1431.5 | 4597.8 | 9976.8 | 10638.5 | 9928.5 |
| 55° | 160.8 | 170.0 | 199.9 | 204.5 | 186.1 | 457.3 | 1364.9 | 4675.9 | 9783.8 | 10503.0 | 9838.9 |
| 57.5° | 151.7 | 156.2 | 176.9 | 167.7 | 160.8 | 344.7 | 1174.1 | 4554.1 | 8690.1 | 9328.8 | 9154.2 |
| 60° | 140.2 | 144.8 | 165.4 | 131.0 | 135.6 | 241.3 | 882.3 | 3954.4 | 6978.2 | 7773.3 | 8088.0 |
| 62.5° | 135.6 | 133.3 | 156.2 | 105.7 | 114.9 | 174.6 | 622.7 | 3214.5 | 5376.7 | 6399.2 | 6943.8 |
| 65° | 119.5 | 117.2 | 112.6 | 89.6 | 98.8 | 135.6 | 372.2 | 2097.8 | 3789.0 | 4841.3 | 5140.0 |
| 67.5° | 91.9 | 96.5 | 82.7 | 71.2 | 82.7 | 105.7 | 206.8 | 939.8 | 1987.5 | 2904.3 | 3145.6 |
| 70° | 64.3 | 68.9 | 66.6 | 62.0 | 73.5 | 87.3 | 119.5 | 321.7 | 822.6 | 1525.7 | 1681.9 |
| 72.5° | 39.1 | 48.3 | 50.6 | 52.8 | 64.3 | 75.8 | 85.0 | 103.4 | 218.3 | 540.0 | 670.9 |
| 75° | 23.0 | 32.2 | 39.1 | 46.0 | 52.8 | 64.3 | 71.2 | 73.5 | 75.8 | 101.1 | 163.1 |
| 77.5° | 16.1 | 23.0 | 34.5 | 43.7 | 52.8 | 64.3 | 75.8 | 80.4 | 75.8 | 71.2 | 75.8 |
| 80° | 13.8 | 23.0 | 32.2 | 41.4 | 55.1 | 66.6 | 75.8 | 75.8 | 73.5 | 64.3 | 68.9 |
| 82.5° | 13.8 | 23.0 | 34.5 | 43.7 | 52.8 | 64.3 | 73.5 | 75.8 | 68.9 | 64.3 | 66.6 |
| 85° | 16.1 | 25.3 | 36.8 | 46.0 | 57.4 | 52.8 | 48.3 | 39.1 | 36.8 | 29.9 | 32.2 |
| 87.5° | 16.1 | 23.0 | 23.0 | 25.3 | 27.6 | 27.6 | 27.6 | 25.3 | 20.7 | 18.4 | 18.4 |
| 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° | 5873.0 | 5873.0 | 5873.0 | 5873.0 | 5873.0 | 5873.0 | 5873.0 | 5873.0 | 5873.0 | 5873.0 |
| 2.5° | 6417.6 | 6601.4 | 6594.5 | 6599.1 | 6571.5 | 6385.4 | 6295.8 | 6068.3 | 6132.7 | 6105.1 |
| 5° | 6663.4 | 6845.0 | 7001.2 | 6982.8 | 6771.4 | 6518.7 | 6144.2 | 5790.3 | 5693.8 | 5551.3 |
| 7.5° | 6417.6 | 6854.2 | 6998.9 | 6978.2 | 6665.7 | 6341.8 | 5744.4 | 5390.5 | 5222.8 | 5128.6 |
| 10° | 6027.0 | 6532.5 | 6711.7 | 6748.5 | 6537.1 | 6045.4 | 5496.2 | 4928.7 | 4839.0 | 4675.9 |
| 12.5° | 5804.1 | 6171.7 | 6282.0 | 6380.8 | 6307.3 | 5939.7 | 5307.8 | 4763.2 | 4639.1 | 4531.1 |
| 15° | 5622.6 | 5840.9 | 5886.8 | 5999.4 | 6043.1 | 5845.5 | 5406.6 | 4942.4 | 4636.8 | 4625.4 |
| 17.5° | 5790.3 | 5700.7 | 5533.0 | 5567.4 | 5705.3 | 5847.8 | 5661.6 | 5296.3 | 4999.9 | 4963.1 |
| 20° | 6068.3 | 5673.1 | 5294.0 | 5379.0 | 5493.9 | 5930.5 | 6047.7 | 5790.3 | 5620.3 | 5526.1 |
| 22.5° | 6387.7 | 5721.4 | 5218.2 | 5259.5 | 5477.8 | 6116.6 | 6672.6 | 6530.2 | 6213.1 | 6077.5 |
| 25° | 6978.2 | 5854.6 | 5277.9 | 5305.5 | 5604.2 | 6376.2 | 7237.9 | 7343.6 | 7155.2 | 7127.6 |
| 27.5° | 7555.0 | 6199.3 | 5408.9 | 5346.8 | 5668.5 | 6629.0 | 7580.2 | 8147.8 | 7816.9 | 7752.6 |
| 30° | 7849.1 | 6479.6 | 5604.2 | 5498.5 | 5935.1 | 6782.9 | 7787.0 | 8671.7 | 8382.2 | 8352.3 |
| 32.5° | 8299.4 | 6734.7 | 5755.8 | 5620.3 | 6084.4 | 6973.6 | 8173.1 | 9243.8 | 8963.5 | 8814.1 |
| 35° | 8487.9 | 7012.7 | 6089.0 | 5930.5 | 6511.8 | 7240.2 | 8370.7 | 9753.9 | 9666.6 | 9521.8 |
| 37.5° | 8850.9 | 7311.4 | 6481.9 | 6472.7 | 7028.8 | 7587.1 | 8726.8 | 10447.8 | 10431.7 | 10181.3 |
| 40° | 8880.8 | 7637.7 | 7102.3 | 7391.8 | 7828.4 | 8191.4 | 9039.3 | 10640.8 | 10902.8 | 10732.7 |
| 42.5° | 8926.7 | 8209.8 | 8175.4 | 8414.3 | 8788.9 | 8710.7 | 9050.8 | 10686.8 | 11086.6 | 10985.5 |
| 45° | 8947.4 | 8782.0 | 9266.8 | 9708.0 | 9864.2 | 9390.9 | 8942.8 | 10599.5 | 11183.1 | 10930.4 |
| 47.5° | 8782.0 | 9273.7 | 10149.1 | 11001.6 | 11047.5 | 9809.1 | 8896.9 | 10509.9 | 11240.6 | 11072.8 |
| 50° | 8804.9 | 9581.6 | 10912.0 | 11674.8 | 11507.1 | 10179.0 | 8825.6 | 10454.7 | 11210.7 | 11098.1 |
| 52° | 8749.8 | 9588.5 | 11020.0 | 11661.0 | 11543.9 | 9974.5 | 8703.8 | 10243.3 | 11183.1 | 11263.5 |
| 52.5° | 8811.8 | 9547.1 | 10907.4 | 11670.2 | 11518.6 | 10075.6 | 8687.8 | 10360.5 | 11199.2 | 11036.1 |
| 55° | 8598.1 | 9055.4 | 10247.9 | 10571.9 | 10548.9 | 9145.0 | 8193.7 | 9972.2 | 10778.7 | 10781.0 |
| 57.5° | 7771.0 | 7849.1 | 8037.5 | 8030.6 | 7924.9 | 7189.6 | 7008.1 | 9170.3 | 9609.2 | 9370.2 |
| 60° | 6847.3 | 5746.7 | 5238.9 | 5032.1 | 4914.9 | 4795.4 | 6199.3 | 8389.1 | 8430.4 | 8329.3 |
| 62.5° | 5916.7 | 3984.3 | 3308.7 | 3251.3 | 3278.9 | 3715.4 | 5992.5 | 8078.9 | 7830.7 | 7612.4 |
| 65° | 4774.7 | 2904.3 | 2403.4 | 2327.6 | 2596.4 | 3067.5 | 4850.5 | 6194.7 | 5813.3 | 5631.8 |
| 67.5° | 2998.6 | 2118.5 | 1624.5 | 1482.0 | 1806.0 | 2111.6 | 3187.0 | 3892.4 | 3465.0 | 3214.5 |
| 70° | 1778.5 | 1183.3 | 735.3 | 659.5 | 742.2 | 1125.9 | 1785.3 | 1941.6 | 1606.1 | 1477.4 |
| 72.5° | 700.8 | 434.3 | 204.5 | 174.6 | 181.5 | 395.2 | 657.2 | 641.1 | 484.8 | 432.0 |
| 75° | 188.4 | 131.0 | 71.2 | 57.4 | 48.3 | 73.5 | 105.7 | 68.9 | 25.3 | 32.2 |
| 77.5° | 87.3 | 78.1 | 62.0 | 48.3 | 36.8 | 27.6 | 13.8 | 4.6 | 4.6 | 2.3 |
| 80° | 75.8 | 66.6 | 57.4 | 48.3 | 36.8 | 23.0 | 11.5 | 2.3 | 2.3 | 2.3 |
| 82.5° | 71.2 | 62.0 | 52.8 | 43.7 | 34.5 | 23.0 | 11.5 | 2.3 | 0.0 | 0.0 |
| 85° | 29.9 | 39.1 | 43.7 | 41.4 | 36.8 | 23.0 | 11.5 | 2.3 | 0.0 | 0.0 |
| 87.5° | 16.1 | 13.8 | 11.5 | 9.2 | 6.9 | 4.6 | 4.6 | 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 |

(END OF REPORT)