

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: P956269

Luminaire Tested: **GALN-SB9A-722-U-T2U-HSS**

Issue Date: 1/21/2025

### Test Information

Test Method: LM-79-08  
Report Number: P956269  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-17)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/21/2025  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: McGRAW-EDISON  
Catalog Number: GALN-SB9A-722-U-T2U-HSS  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(9) 70 CRI, 2200K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE II U  
OPTICS WITH HOUSE SIDE SHIELD  
Light Source: -  
Ballast/Driver: -

### Summary

Lumens per Lamp: N/A  
Luminaire Lumens: 25795 lumens  
Efficiency: N/A  
Efficacy: 101.0 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')  
IES Classification: Type II - Short  
BUG Rating: B2 - U0 - G3  
  
Input Watts (W): 255.5  
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

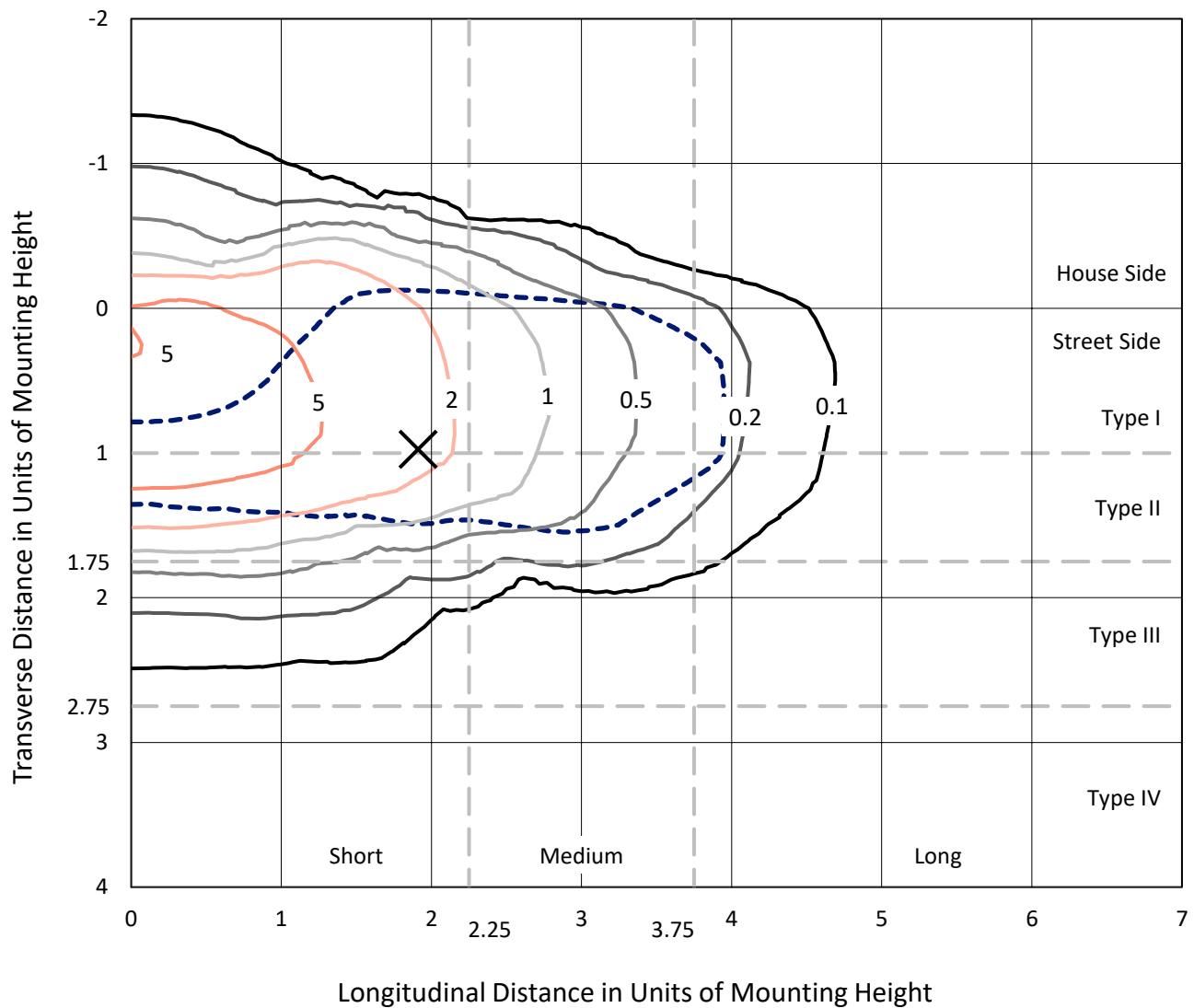


REPORT NUMBER: P956269

CATALOG NUMBER: GALN-SB9A-722-U-T2U-HSS

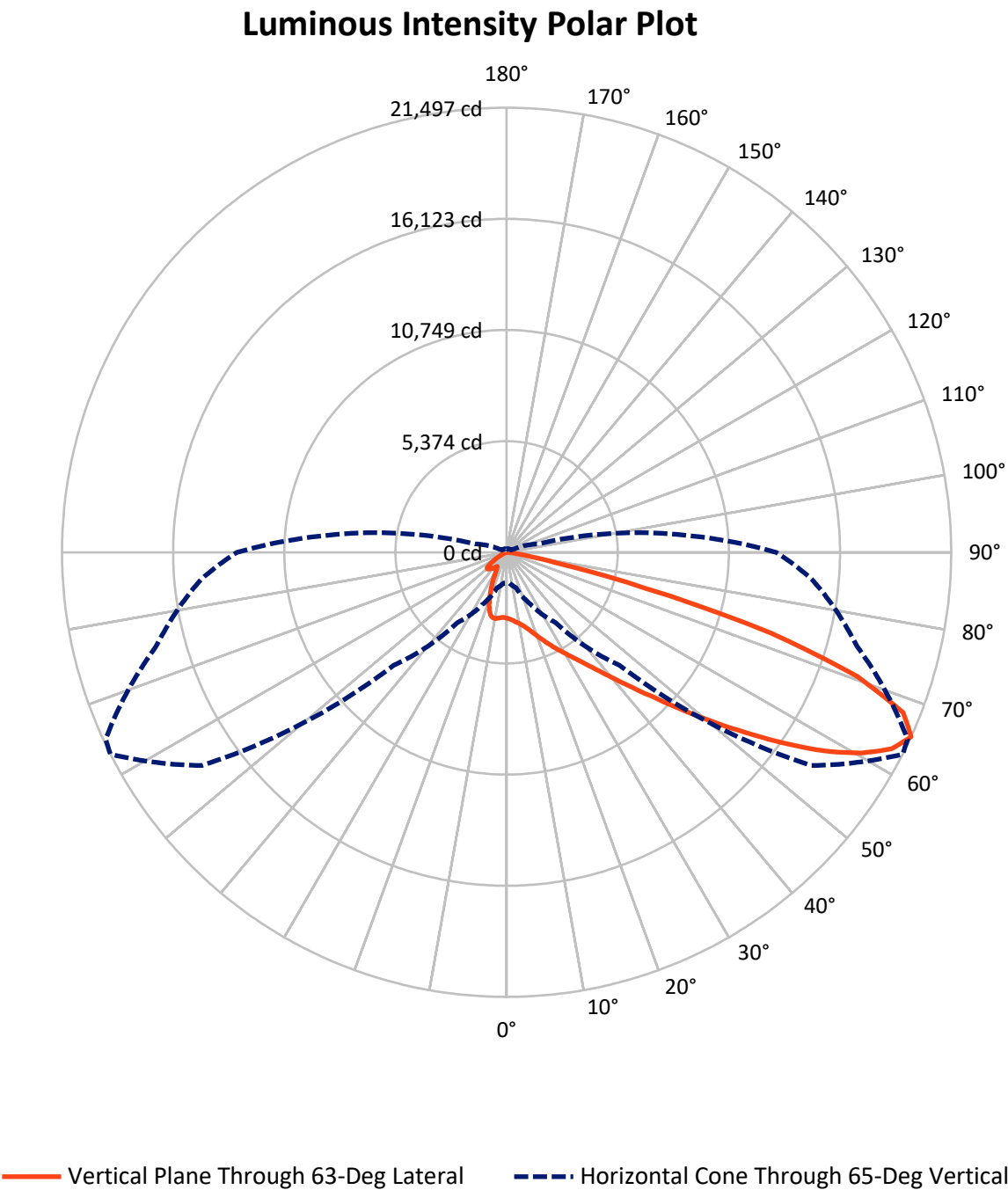
## Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd  
- - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 8.7 fc  
Type II - Short - N/A

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**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total   |
|--------------------|-----------|----------|--------|---------|
| <b>House Side</b>  | Lumens    | 3791.7   | 0.0    | 3791.7  |
|                    | % Fixture | 14.7     | 0.0    | 14.7    |
| <b>Street Side</b> | Lumens    | 22003.3  | 0.0    | 22003.3 |
|                    | % Fixture | 85.3     | 0.0    | 85.3    |
| <b>Total</b>       | Lumens    | 25795.0  | 0.0    | 25795.0 |
|                    | % Fixture | 100.0    | 0.0    | 100.0   |

**ZONAL LUMENS:**

| Zone      | Lumens  | % Fixture |
|-----------|---------|-----------|
| 0°-10°    | 300.0   | 1.2       |
| 10°-20°   | 832.3   | 3.2       |
| 20°-30°   | 1449.2  | 5.6       |
| 30°-40°   | 2612.0  | 10.1      |
| 40°-50°   | 5180.4  | 20.1      |
| 50°-60°   | 7056.6  | 27.4      |
| 60°-70°   | 5632.5  | 21.8      |
| 70°-80°   | 2548.8  | 9.9       |
| 80°-90°   | 183.2   | 0.7       |
| 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°    | 25795.0 | 100.0     |
| 0°-180°   | 25795.0 | 100.0     |

**Coefficient of Utilization**



REPORT NUMBER: P956269

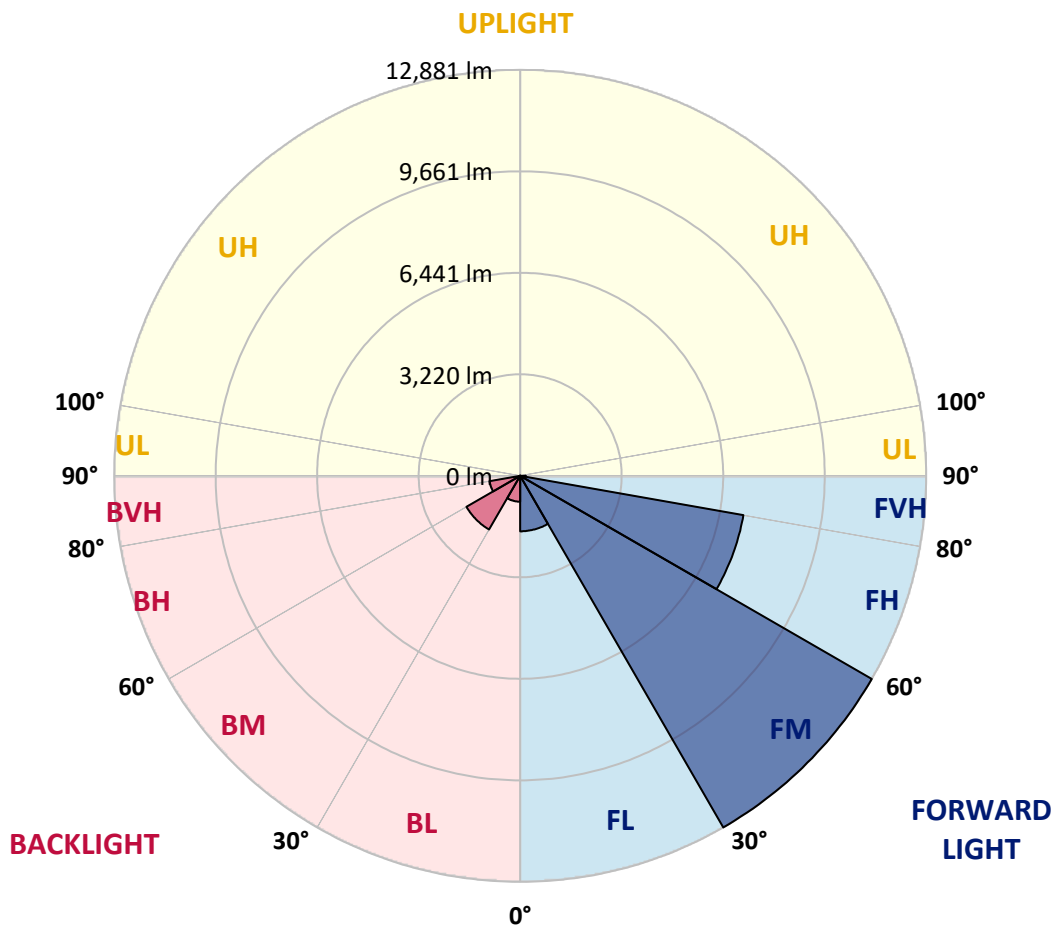
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

| Zone |             | Lumens  | % Fixture | Zone Rating/Lumen Limit |      |         |
|------|-------------|---------|-----------|-------------------------|------|---------|
|      |             |         |           | B                       | U    | G       |
| FL   | (0°-30°)    | 1760.8  | 6.8       |                         |      |         |
| FM   | (30°-60°)   | 12881.4 | 49.9      |                         |      |         |
| FH   | (60°-80°)   | 7191.5  | 27.9      |                         |      | G3/7500 |
| FVH  | (80°-90°)   | 169.6   | 0.7       |                         |      | G2/225  |
| BL   | (0°-30°)    | 820.6   | 3.2       | B2/1000                 |      |         |
| BM   | (30°-60°)   | 1967.6  | 7.6       | B2/2500                 |      |         |
| BH   | (60°-80°)   | 989.9   | 3.8       | B2/1000                 |      | G2/1000 |
| BVH  | (80°-90°)   | 13.6    | 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-G3**

Type II Short



REPORT NUMBER: P956269

CATALOG NUMBER: GALN-SB9A-722-U-T2U-HSS

**CANDELA DISTRIBUTION (FULL):**

|       | 0°      | 5°      | 15°     | 25°     | 35°     | 45°     | 55°     | 63°     | 65°     | 75°     | 85°     |
|-------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 0°    | 3183.6  | 3183.6  | 3183.6  | 3183.6  | 3183.6  | 3183.6  | 3183.6  | 3183.6  | 3183.6  | 3183.6  | 3183.6  |
| 2.5°  | 3258.1  | 3249.2  | 3261.7  | 3256.3  | 3252.8  | 3245.7  | 3242.2  | 3238.6  | 3231.5  | 3226.2  | 3204.9  |
| 5°    | 3267.0  | 3261.7  | 3274.1  | 3284.7  | 3295.4  | 3306.0  | 3311.4  | 3318.5  | 3311.4  | 3297.2  | 3275.9  |
| 7.5°  | 3192.5  | 3188.9  | 3215.5  | 3247.5  | 3295.4  | 3336.2  | 3380.6  | 3405.4  | 3407.2  | 3401.9  | 3378.8  |
| 10°   | 3187.1  | 3178.3  | 3204.9  | 3243.9  | 3306.0  | 3378.8  | 3456.9  | 3510.1  | 3517.2  | 3540.3  | 3515.4  |
| 12.5° | 3270.5  | 3261.7  | 3298.9  | 3341.5  | 3405.4  | 3481.7  | 3577.5  | 3652.1  | 3662.7  | 3694.7  | 3676.9  |
| 15°   | 3410.7  | 3398.3  | 3440.9  | 3495.9  | 3577.5  | 3664.5  | 3765.7  | 3833.1  | 3842.0  | 3881.0  | 3849.1  |
| 17.5° | 3574.0  | 3561.6  | 3611.3  | 3669.8  | 3758.6  | 3877.4  | 3994.6  | 4069.1  | 4079.8  | 4104.6  | 4046.0  |
| 20°   | 3783.4  | 3767.4  | 3806.5  | 3859.7  | 3953.8  | 4095.7  | 4235.9  | 4342.4  | 4340.6  | 4340.6  | 4244.8  |
| 22.5° | 4026.5  | 4001.7  | 4035.4  | 4078.0  | 4166.7  | 4338.8  | 4525.2  | 4651.2  | 4651.2  | 4601.5  | 4443.5  |
| 25°   | 4287.4  | 4262.5  | 4299.8  | 4338.8  | 4416.9  | 4612.1  | 4830.4  | 4986.6  | 4993.7  | 4908.5  | 4656.5  |
| 27.5° | 4613.9  | 4582.0  | 4610.3  | 4656.5  | 4702.6  | 4901.4  | 5160.5  | 5341.5  | 5345.0  | 5213.7  | 4858.8  |
| 30°   | 5242.1  | 5151.6  | 5062.9  | 5013.2  | 5034.5  | 5231.5  | 5508.3  | 5708.8  | 5726.6  | 5545.6  | 5078.8  |
| 32.5° | 6392.0  | 6374.3  | 6062.0  | 5653.8  | 5440.9  | 5586.4  | 5896.9  | 6138.3  | 6148.9  | 5916.4  | 5364.5  |
| 35°   | 8179.0  | 8157.7  | 7655.5  | 6878.3  | 6184.4  | 6062.0  | 6369.0  | 6654.7  | 6647.6  | 6384.9  | 5735.4  |
| 37.5° | 10312.1 | 10292.5 | 9630.6  | 8590.7  | 7467.4  | 6780.7  | 6977.6  | 7277.5  | 7321.9  | 6977.6  | 6214.6  |
| 40°   | 12134.6 | 12061.8 | 11643.0 | 10640.4 | 9171.0  | 7973.2  | 7843.6  | 8042.4  | 8088.5  | 7680.4  | 6823.2  |
| 42.5° | 13515.2 | 13453.1 | 13240.1 | 12613.7 | 11233.1 | 9737.1  | 8864.0  | 8940.3  | 8991.8  | 8502.0  | 7522.4  |
| 45°   | 14230.3 | 14216.1 | 14301.3 | 14242.8 | 13334.2 | 11902.1 | 10322.7 | 10005.1 | 10024.6 | 9412.4  | 8315.7  |
| 47.5° | 14331.5 | 14324.4 | 14713.0 | 15263.1 | 15140.7 | 14343.9 | 12194.9 | 11332.4 | 11263.2 | 10439.8 | 9178.1  |
| 50°   | 13735.2 | 13721.0 | 14466.3 | 15497.4 | 16347.4 | 16395.3 | 14320.8 | 12828.4 | 12675.8 | 11502.8 | 10077.8 |
| 52.5° | 11831.1 | 11827.6 | 13052.0 | 14768.0 | 16771.5 | 18191.2 | 16421.9 | 14471.7 | 14216.1 | 12627.9 | 11029.0 |
| 55°   | 9103.6  | 9169.2  | 10572.9 | 12601.3 | 15997.8 | 19055.4 | 18308.3 | 16295.9 | 15903.8 | 13760.1 | 11905.6 |
| 57.5° | 6448.8  | 6544.6  | 7932.4  | 9738.9  | 13598.6 | 18544.3 | 19584.2 | 18123.8 | 17701.4 | 14888.7 | 12794.7 |
| 60°   | 3464.0  | 3549.2  | 4938.6  | 7094.8  | 10116.9 | 16638.4 | 20256.8 | 19710.2 | 19310.9 | 15960.5 | 13596.8 |
| 62.5° | 2063.8  | 2092.2  | 2667.2  | 4580.2  | 6842.8  | 12711.3 | 19971.1 | 20918.7 | 20590.4 | 16860.3 | 14294.2 |
| 65°   | 1481.8  | 1487.1  | 1776.4  | 2796.7  | 4154.3  | 7723.0  | 17967.6 | 21497.2 | 21396.1 | 17538.1 | 14810.6 |
| 67.5° | 1247.5  | 1244.0  | 1364.6  | 1858.0  | 2830.4  | 3868.6  | 13770.7 | 20679.1 | 21108.6 | 17967.6 | 15103.4 |
| 70°   | 1070.1  | 1075.4  | 1217.4  | 1361.1  | 2127.7  | 2189.8  | 6846.3  | 18004.9 | 18920.5 | 18081.2 | 15085.7 |
| 72.5° | 796.8   | 814.5   | 945.8   | 1240.4  | 1606.0  | 1506.6  | 2363.7  | 13350.1 | 15005.8 | 17035.9 | 14303.1 |
| 75°   | 562.5   | 571.4   | 665.5   | 1043.5  | 1197.8  | 1096.7  | 1206.7  | 6901.3  | 9023.7  | 13060.9 | 11706.9 |
| 77.5° | 433.0   | 449.0   | 504.0   | 729.4   | 1180.1  | 770.2   | 738.2   | 2388.6  | 3669.8  | 7889.8  | 8026.4  |
| 80°   | 234.2   | 262.6   | 363.8   | 527.0   | 828.7   | 544.8   | 365.6   | 951.2   | 1244.0  | 3689.3  | 3094.9  |
| 82.5° | 120.7   | 134.9   | 253.8   | 379.8   | 472.0   | 475.6   | 181.0   | 395.7   | 512.9   | 1139.3  | 424.1   |
| 85°   | 47.9    | 58.6    | 170.4   | 209.4   | 243.1   | 234.2   | 81.6    | 159.7   | 184.6   | 315.9   | 129.5   |
| 87.5° | 10.6    | 17.7    | 62.1    | 47.9    | 46.1    | 49.7    | 19.5    | 37.3    | 35.5    | 37.3    | 23.1    |
| 90°   | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     |

REPORT NUMBER: P956269

CATALOG NUMBER: GALN-SB9A-722-U-T2U-HSS

**CANDELA DISTRIBUTION (continued):**

|       | 90°     | 95°     | 105°   | 115°   | 125°   | 135°   | 145°   | 155°   | 165°   | 175°   | 180°   |
|-------|---------|---------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 3183.6  | 3183.6  | 3183.6 | 3183.6 | 3183.6 | 3183.6 | 3183.6 | 3183.6 | 3183.6 | 3183.6 | 3183.6 |
| 2.5°  | 3203.1  | 3196.0  | 3176.5 | 3155.2 | 3130.4 | 3116.2 | 3107.3 | 3105.5 | 3093.1 | 3084.2 | 3093.1 |
| 5°    | 3256.3  | 3249.2  | 3212.0 | 3167.6 | 3119.7 | 3082.4 | 3046.9 | 3015.0 | 2968.9 | 2960.0 | 2956.4 |
| 7.5°  | 3362.8  | 3343.3  | 3283.0 | 3222.6 | 3132.1 | 3023.9 | 2892.6 | 2741.7 | 2606.9 | 2566.0 | 2546.5 |
| 10°   | 3494.1  | 3467.5  | 3391.2 | 3284.7 | 3084.2 | 2789.6 | 2472.0 | 2177.4 | 1943.2 | 1877.5 | 1852.7 |
| 12.5° | 3643.2  | 3620.1  | 3519.0 | 3322.0 | 2883.7 | 2349.5 | 1863.3 | 1497.7 | 1270.6 | 1213.8 | 1197.8 |
| 15°   | 3820.7  | 3786.9  | 3646.8 | 3265.2 | 2525.2 | 1785.2 | 1279.5 | 1063.0 | 981.3  | 970.7  | 960.0  |
| 17.5° | 4008.8  | 3953.8  | 3760.3 | 3061.1 | 2042.5 | 1268.8 | 988.4  | 926.3  | 890.8  | 880.2  | 874.9  |
| 20°   | 4180.9  | 4109.9  | 3827.8 | 2752.4 | 1526.1 | 988.4  | 885.5  | 844.7  | 812.8  | 800.3  | 793.2  |
| 22.5° | 4353.0  | 4251.9  | 3827.8 | 2331.8 | 1144.6 | 876.6  | 812.8  | 775.5  | 738.2  | 722.3  | 713.4  |
| 25°   | 4532.3  | 4397.4  | 3760.3 | 1863.3 | 921.0  | 803.9  | 743.5  | 702.7  | 670.8  | 651.3  | 644.2  |
| 27.5° | 4706.2  | 4519.8  | 3605.9 | 1419.7 | 819.9  | 740.0  | 679.7  | 640.6  | 610.5  | 596.3  | 596.3  |
| 30°   | 4871.2  | 4640.5  | 3389.4 | 1077.2 | 754.2  | 677.9  | 621.1  | 587.4  | 557.2  | 543.0  | 544.8  |
| 32.5° | 5094.8  | 4793.1  | 3158.7 | 883.7  | 697.4  | 619.3  | 567.9  | 535.9  | 509.3  | 498.7  | 498.7  |
| 35°   | 5405.4  | 5018.5  | 2960.0 | 867.8  | 649.5  | 571.4  | 520.0  | 489.8  | 463.2  | 454.3  | 454.3  |
| 37.5° | 5845.5  | 5382.3  | 2855.3 | 974.2  | 610.5  | 528.8  | 480.9  | 449.0  | 424.1  | 417.0  | 415.3  |
| 40°   | 6388.5  | 5875.6  | 2912.1 | 1080.7 | 583.8  | 491.6  | 445.4  | 413.5  | 392.2  | 383.3  | 381.5  |
| 42.5° | 7032.6  | 6484.3  | 3226.2 | 1162.3 | 566.1  | 459.6  | 411.7  | 376.2  | 362.0  | 358.5  | 358.5  |
| 45°   | 7772.6  | 7153.3  | 3707.1 | 1249.3 | 537.7  | 429.4  | 378.0  | 351.4  | 340.7  | 338.9  | 337.2  |
| 47.5° | 8613.8  | 7888.0  | 4264.3 | 1357.6 | 509.3  | 401.1  | 351.4  | 333.6  | 324.7  | 321.2  | 321.2  |
| 50°   | 9447.8  | 8628.0  | 4837.5 | 1417.9 | 486.2  | 374.4  | 330.1  | 315.9  | 308.8  | 307.0  | 307.0  |
| 52.5° | 10320.9 | 9389.3  | 5300.7 | 1361.1 | 466.7  | 353.1  | 312.3  | 301.7  | 294.6  | 292.8  | 292.8  |
| 55°   | 11153.2 | 10005.1 | 5380.5 | 1155.2 | 427.7  | 331.8  | 292.8  | 287.5  | 278.6  | 278.6  | 276.8  |
| 57.5° | 11870.1 | 10313.8 | 4816.2 | 848.2  | 388.6  | 299.9  | 273.3  | 268.0  | 260.9  | 259.1  | 257.3  |
| 60°   | 12528.5 | 10225.1 | 3717.7 | 571.4  | 346.0  | 268.0  | 248.4  | 244.9  | 237.8  | 228.9  | 227.1  |
| 62.5° | 12899.4 | 9834.7  | 2543.0 | 372.7  | 303.5  | 234.2  | 220.0  | 218.3  | 202.3  | 184.6  | 181.0  |
| 65°   | 13039.6 | 9032.6  | 1586.5 | 271.5  | 253.8  | 200.5  | 189.9  | 186.3  | 163.3  | 143.7  | 142.0  |
| 67.5° | 12917.1 | 7712.3  | 800.3  | 214.7  | 200.5  | 166.8  | 156.2  | 156.2  | 140.2  | 122.4  | 120.7  |
| 70°   | 12427.4 | 5781.6  | 337.2  | 172.1  | 154.4  | 127.8  | 127.8  | 134.9  | 118.9  | 99.4   | 97.6   |
| 72.5° | 11364.4 | 3889.9  | 179.2  | 131.3  | 115.3  | 90.5   | 104.7  | 110.0  | 94.1   | 74.5   | 74.5   |
| 75°   | 9034.4  | 2372.6  | 124.2  | 97.6   | 72.8   | 63.9   | 79.9   | 83.4   | 63.9   | 49.7   | 47.9   |
| 77.5° | 6179.1  | 1362.9  | 83.4   | 62.1   | 46.1   | 37.3   | 55.0   | 51.5   | 33.7   | 23.1   | 24.8   |
| 80°   | 2713.3  | 567.9   | 47.9   | 28.4   | 17.7   | 14.2   | 19.5   | 14.2   | 10.6   | 7.1    | 7.1    |
| 82.5° | 317.6   | 133.1   | 17.7   | 10.6   | 7.1    | 3.5    | 1.8    | 0.0    | 0.0    | 0.0    | 0.0    |
| 85°   | 65.7    | 16.0    | 8.9    | 3.5    | 1.8    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 87.5° | 12.4    | 3.5     | 1.8    | 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    |

(END OF REPORT)