

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: P942716

Luminaire Tested: **GALN-SB6D-835-U-T3-HSS**

Issue Date: 1/21/2025

**Test Information**

Test Method: LM-79-08  
Report Number: P942716  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-6)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/21/2025  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: McGRAW-EDISON  
Catalog Number: GALN-SB6D-835-U-T3-HSS  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(6) 80 CRI, 3500K, 900mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE III  
OPTICS WITH HOUSE SIDE SHIELD  
Light Source: -  
Ballast/Driver: -

**Summary**

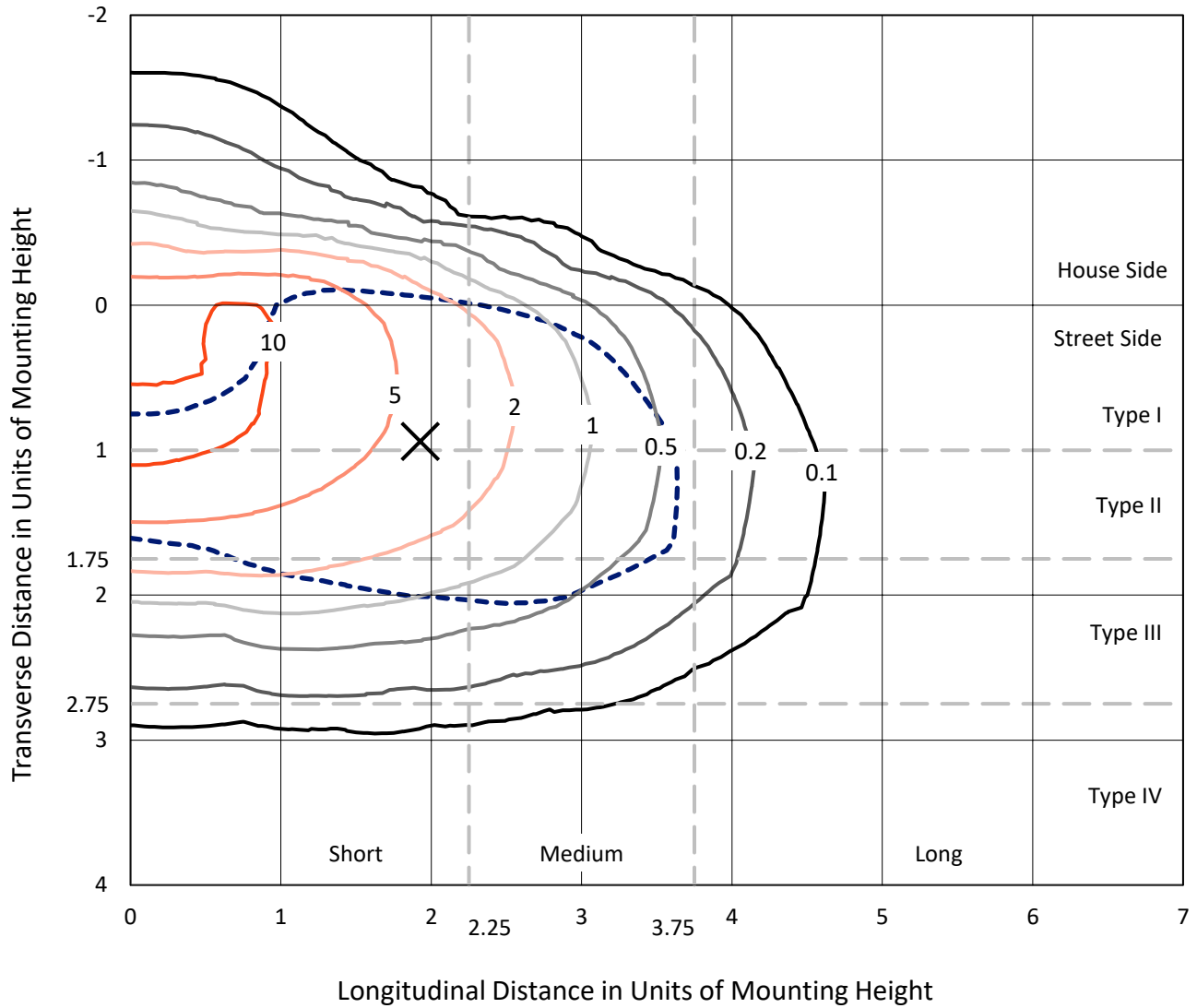
Lumens per Lamp: N/A  
Luminaire Lumens: 44889 lumens  
Efficiency: N/A  
Efficacy: 102.0 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')  
IES Classification: Type III - Short  
BUG Rating: B3 - U0 - G5  
  
Input Watts (W): 440.1  
Input Voltage (V): NR  
Input Current (Ain): NR  
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: P942716  
 CATALOG NUMBER: GALN-SB6D-835-U-T3-HSS

### Iso-Footcandle Lines of Horizontal Illumination

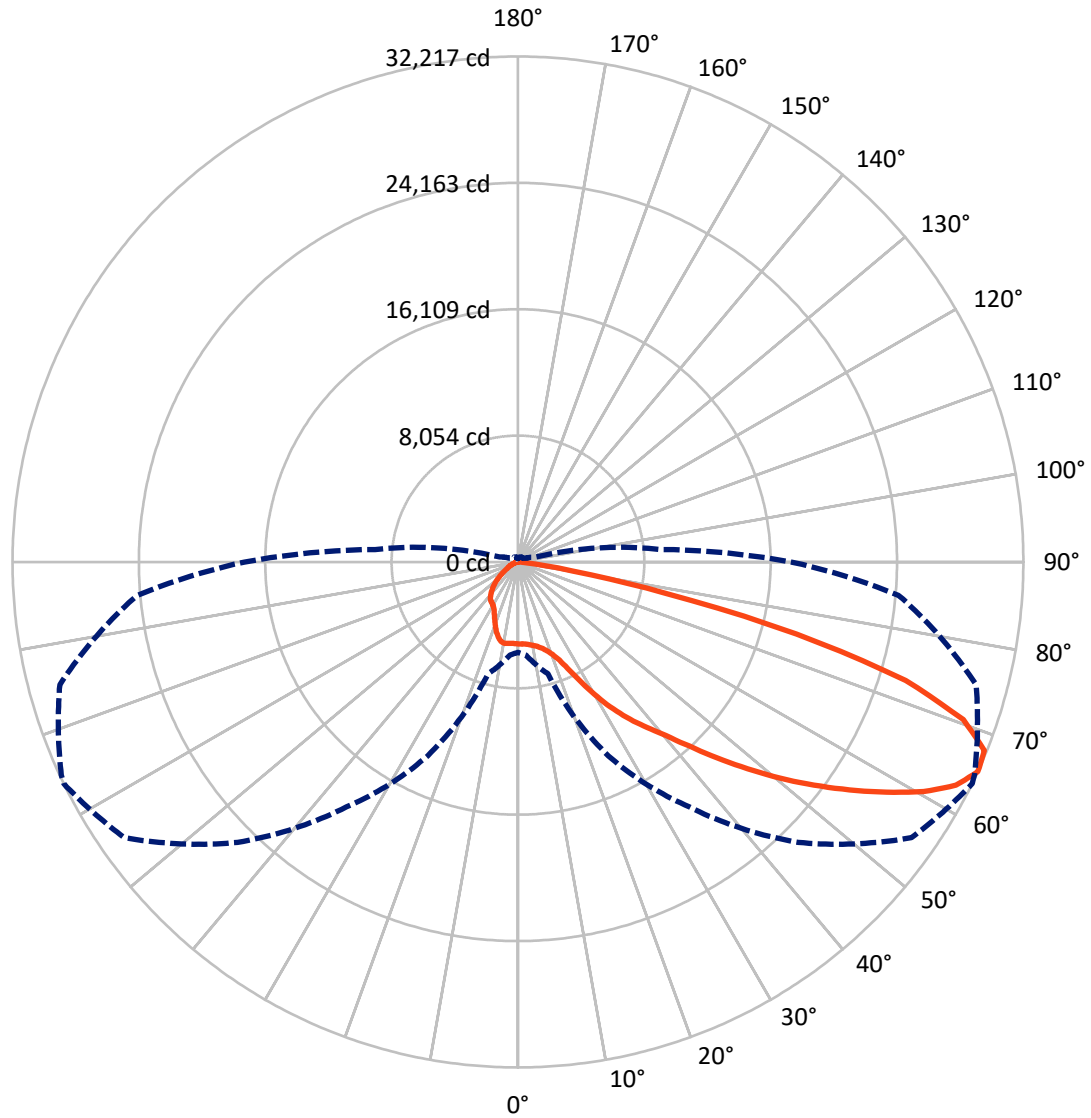
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 13.1 fc  
 Type III - Short - N/A

REPORT NUMBER: P942716  
CATALOG NUMBER: GALN-SB6D-835-U-T3-HSS

### Luminous Intensity Polar Plot



— Vertical Plane Through 64-Deg Lateral      - - - Horizontal Cone Through 65-Deg Vertical

REPORT NUMBER: P942716

CATALOG NUMBER: GALN-SB6D-835-U-T3-HSS

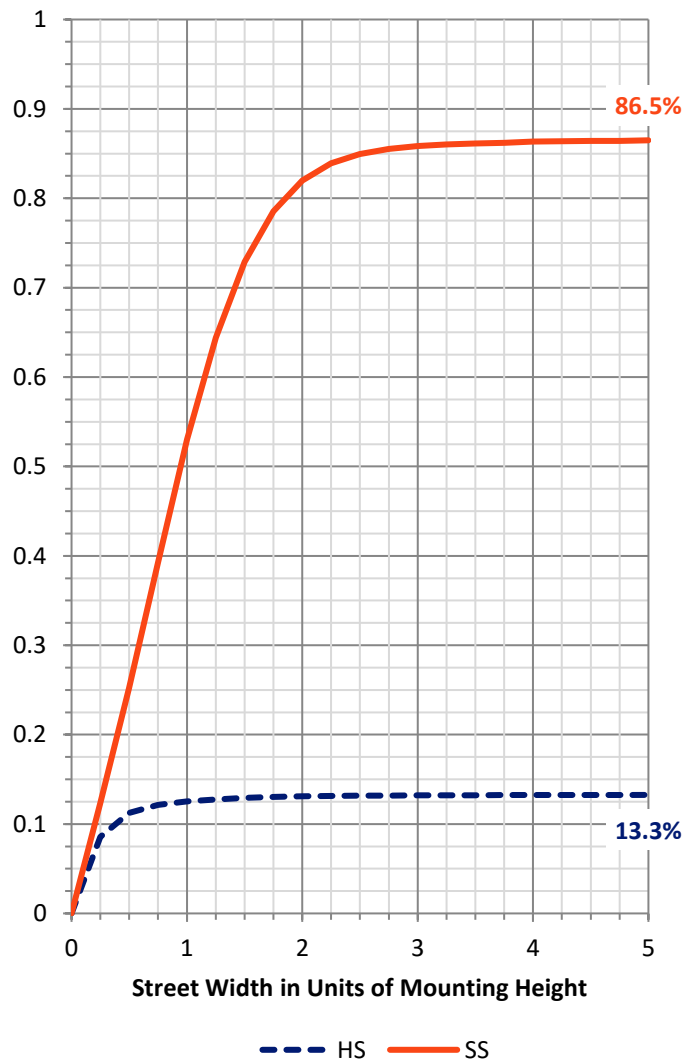
**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total   |
|--------------------|-----------|----------|--------|---------|
| <b>House Side</b>  | Lumens    | 6003.0   | 0.0    | 6003.0  |
|                    | % Fixture | 13.4     | 0.0    | 13.4    |
| <b>Street Side</b> | Lumens    | 38886.0  | 0.0    | 38886.0 |
|                    | % Fixture | 86.6     | 0.0    | 86.6    |
| <b>Total</b>       | Lumens    | 44889.0  | 0.0    | 44889.0 |
|                    | % Fixture | 100.0    | 0.0    | 100.0   |

**ZONAL LUMENS:**

| Zone      | Lumens  | % Fixture |
|-----------|---------|-----------|
| 0°-10°    | 481.7   | 1.1       |
| 10°-20°   | 1306.5  | 2.9       |
| 20°-30°   | 2475.7  | 5.5       |
| 30°-40°   | 5009.6  | 11.2      |
| 40°-50°   | 8534.0  | 19.0      |
| 50°-60°   | 11605.5 | 25.9      |
| 60°-70°   | 10898.2 | 24.3      |
| 70°-80°   | 4366.3  | 9.7       |
| 80°-90°   | 211.5   | 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°    | 44889.0 | 100.0     |
| 0°-180°   | 44889.0 | 100.0     |

**Coefficient of Utilization**



REPORT NUMBER: P942716

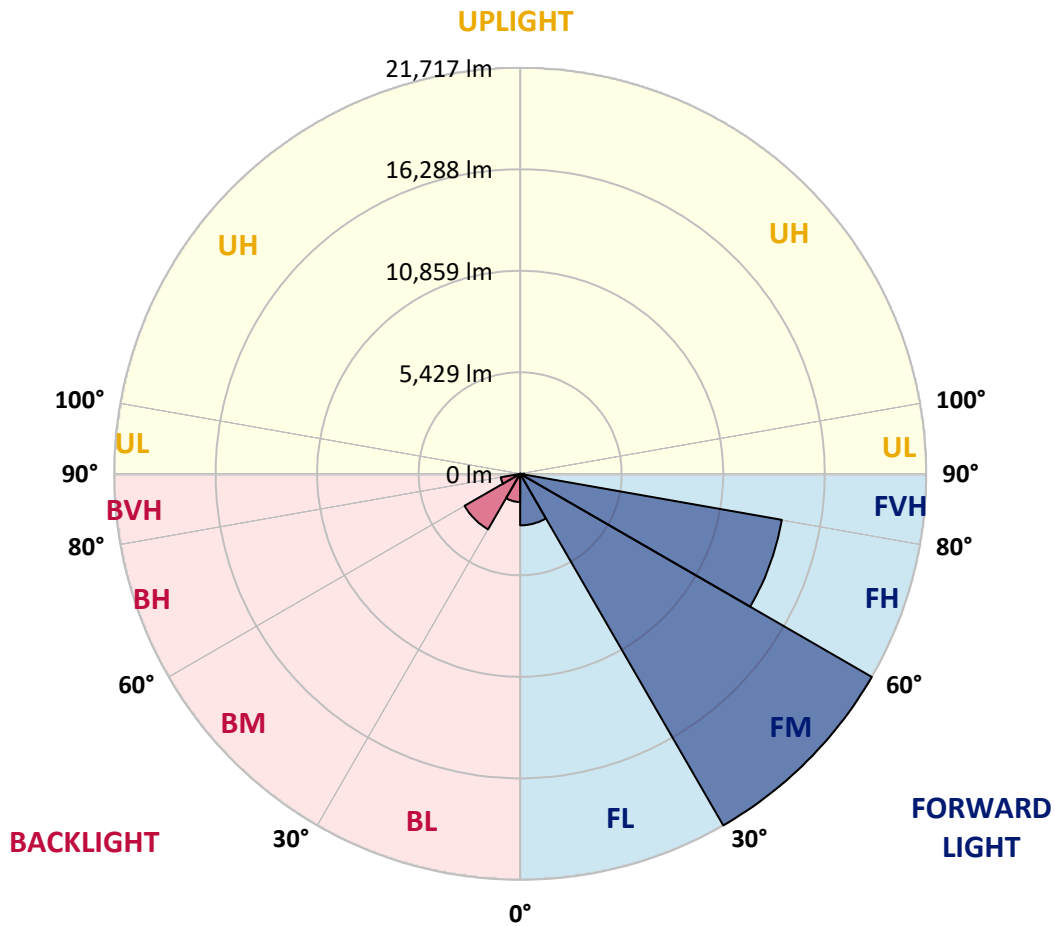
CATALOG NUMBER: GALN-SB6D-835-U-T3-HSS

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

| Zone           | Lumens  | % Fixture | Zone Rating/Lumen Limit |      |         |
|----------------|---------|-----------|-------------------------|------|---------|
|                |         |           | B                       | U    | G       |
| FL (0°-30°)    | 2756.7  | 6.1       |                         |      |         |
| FM (30°-60°)   | 21717.2 | 48.4      |                         |      |         |
| FH (60°-80°)   | 14210.8 | 31.7      |                         |      | G5      |
| FVH (80°-90°)  | 201.2   | 0.4       |                         |      | G2/225  |
| BL (0°-30°)    | 1507.2  | 3.4       | B3/2500                 |      |         |
| BM (30°-60°)   | 3431.9  | 7.6       | B3/5000                 |      |         |
| BH (60°-80°)   | 1053.6  | 2.3       | B3/2500                 |      | G3/2500 |
| BVH (80°-90°)  | 10.3    | 0.0       |                         |      | G1/100  |
| UL (90°-100°)  | 0.0     | 0.0       |                         | U0/0 |         |
| UH (100°-180°) | 0.0     | 0.0       |                         | U0/0 |         |

**BUG Rating: B3-U0-G5**

Type III Short



REPORT NUMBER: P942716

CATALOG NUMBER: GALN-SB6D-835-U-T3-HSS

**CANDELA DISTRIBUTION (FULL):**

|       | 0°      | 5°      | 15°     | 25°     | 35°     | 45°     | 55°     | 64°     | 65°     | 75°     |
|-------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 0°    | 5221.1  | 5221.1  | 5221.1  | 5221.1  | 5221.1  | 5221.1  | 5221.1  | 5221.1  | 5221.1  | 5221.1  |
| 2.5°  | 5203.0  | 5239.1  | 5230.1  | 5221.1  | 5218.0  | 5224.1  | 5227.1  | 5224.1  | 5224.1  | 5224.1  |
| 5°    | 5103.7  | 5133.8  | 5133.8  | 5154.9  | 5184.9  | 5221.1  | 5248.1  | 5254.2  | 5260.2  | 5269.2  |
| 7.5°  | 4914.1  | 4938.2  | 4956.2  | 5025.5  | 5100.7  | 5197.0  | 5278.2  | 5320.4  | 5326.4  | 5359.5  |
| 10°   | 4784.7  | 4814.8  | 4844.9  | 4917.1  | 5025.5  | 5169.9  | 5308.3  | 5410.6  | 5425.7  | 5503.9  |
| 12.5° | 4778.7  | 4808.8  | 4847.9  | 4926.1  | 5052.5  | 5206.0  | 5374.5  | 5522.0  | 5549.1  | 5663.4  |
| 15°   | 4841.9  | 4878.0  | 4914.1  | 5010.4  | 5145.8  | 5332.4  | 5513.0  | 5696.5  | 5723.6  | 5886.1  |
| 17.5° | 4971.3  | 5019.4  | 5046.5  | 5142.8  | 5287.3  | 5494.9  | 5732.6  | 5943.3  | 5967.4  | 6156.9  |
| 20°   | 5227.1  | 5284.3  | 5293.3  | 5371.5  | 5513.0  | 5735.6  | 6018.5  | 6280.3  | 6310.4  | 6527.1  |
| 22.5° | 5756.7  | 5838.0  | 5765.7  | 5804.9  | 5931.2  | 6153.9  | 6460.9  | 6791.9  | 6834.0  | 7080.8  |
| 25°   | 6689.6  | 6803.9  | 6617.4  | 6551.1  | 6605.3  | 6837.0  | 7222.2  | 7640.5  | 7688.6  | 7887.3  |
| 27.5° | 8522.2  | 8374.8  | 8091.9  | 7815.0  | 7652.5  | 7784.9  | 8218.3  | 8735.9  | 8796.1  | 8988.6  |
| 30°   | 10535.4 | 10406.0 | 10023.8 | 9409.9  | 9024.8  | 9003.7  | 9403.9  | 9981.7  | 10050.9 | 10234.5 |
| 32.5° | 12551.6 | 12428.2 | 12012.9 | 11257.6 | 10589.6 | 10258.5 | 10535.4 | 11176.4 | 11212.5 | 11329.8 |
| 35°   | 14534.7 | 14408.3 | 13993.0 | 13219.7 | 12398.1 | 11645.8 | 11591.6 | 12313.9 | 12325.9 | 12449.3 |
| 37.5° | 16529.8 | 16424.5 | 15982.2 | 15223.8 | 14414.3 | 13376.1 | 12873.6 | 13391.2 | 13406.2 | 13526.6 |
| 40°   | 17953.2 | 17998.4 | 17694.4 | 17107.6 | 16412.5 | 15278.0 | 14312.0 | 14537.7 | 14447.4 | 14649.1 |
| 42.5° | 19175.0 | 19265.2 | 19000.4 | 18705.5 | 18302.3 | 17303.2 | 16093.5 | 16054.4 | 15909.9 | 16018.3 |
| 45°   | 20231.2 | 20306.5 | 20068.7 | 19999.5 | 19990.5 | 19289.3 | 18040.5 | 17805.8 | 17604.1 | 17583.1 |
| 47.5° | 20619.4 | 20763.9 | 20866.2 | 21097.9 | 21549.3 | 21254.4 | 20053.7 | 19689.6 | 19463.9 | 19298.4 |
| 50°   | 20766.9 | 20920.3 | 21269.4 | 21943.5 | 23011.8 | 23138.2 | 22057.8 | 21648.6 | 21371.7 | 21070.8 |
| 52.5° | 20568.3 | 20842.1 | 21311.5 | 22446.0 | 23995.8 | 24648.8 | 23980.8 | 23622.6 | 23306.7 | 22816.2 |
| 55°   | 19397.7 | 19671.5 | 20631.4 | 22440.0 | 24486.3 | 25708.1 | 25798.3 | 25638.8 | 25283.8 | 24510.4 |
| 57.5° | 16930.1 | 17336.3 | 18856.0 | 21675.7 | 24477.3 | 26619.9 | 27579.8 | 27694.2 | 27296.9 | 26189.5 |
| 60°   | 13511.6 | 14062.2 | 15915.9 | 19981.5 | 23722.0 | 27113.4 | 29141.6 | 29713.4 | 29292.1 | 27844.6 |
| 62.5° | 9428.0  | 10066.0 | 11820.4 | 17327.3 | 21994.6 | 26758.3 | 30282.1 | 31338.4 | 31019.4 | 29325.2 |
| 65°   | 5750.7  | 5955.3  | 7369.7  | 13634.9 | 19057.6 | 25271.7 | 30634.2 | 32217.1 | 32111.8 | 30231.0 |
| 67.5° | 3830.8  | 4002.3  | 4408.6  | 9349.8  | 14793.5 | 22301.6 | 29791.6 | 32063.6 | 32093.7 | 30083.5 |
| 70°   | 2308.1  | 2455.6  | 2720.4  | 5437.7  | 9587.5  | 17652.3 | 27182.6 | 30107.6 | 30282.1 | 28112.5 |
| 72.5° | 950.9   | 1050.2  | 1291.0  | 2464.6  | 4965.3  | 11203.5 | 21645.6 | 25849.5 | 26255.7 | 23637.7 |
| 75°   | 538.7   | 589.8   | 758.3   | 1236.8  | 2154.6  | 5221.1  | 13111.3 | 18350.4 | 18949.3 | 16292.1 |
| 77.5° | 358.1   | 382.2   | 490.5   | 800.5   | 1212.7  | 1781.5  | 5603.2  | 9560.4  | 10703.9 | 8898.4  |
| 80°   | 240.7   | 261.8   | 337.0   | 535.6   | 788.4   | 764.4   | 1784.5  | 3541.9  | 4357.4  | 3057.4  |
| 82.5° | 162.5   | 165.5   | 240.7   | 352.1   | 499.5   | 370.1   | 526.6   | 1101.4  | 1384.3  | 884.7   |
| 85°   | 93.3    | 90.3    | 177.5   | 204.6   | 222.7   | 153.5   | 159.5   | 331.0   | 433.3   | 373.1   |
| 87.5° | 12.0    | 18.1    | 69.2    | 54.2    | 30.1    | 33.1    | 33.1    | 57.2    | 84.3    | 90.3    |
| 90°   | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     |

REPORT NUMBER: P942716  
 CATALOG NUMBER: GALN-SB6D-835-U-T3-HSS

**CANDELA DISTRIBUTION (continued):**

| 85°     |       | 90°     | 95°     | 105°   | 115°   | 125°   | 135°   | 145°   | 155°   | 165°   | 175°   |
|---------|-------|---------|---------|--------|--------|--------|--------|--------|--------|--------|--------|
| 5221.1  | 0°    | 5221.1  | 5221.1  | 5221.1 | 5221.1 | 5221.1 | 5221.1 | 5221.1 | 5221.1 | 5221.1 | 5221.1 |
| 5227.1  | 2.5°  | 5227.1  | 5224.1  | 5215.0 | 5206.0 | 5184.9 | 5172.9 | 5178.9 | 5172.9 | 5169.9 | 5172.9 |
| 5266.2  | 5°    | 5266.2  | 5257.2  | 5233.1 | 5203.0 | 5160.9 | 5109.7 | 5076.6 | 5028.5 | 4983.3 | 4956.2 |
| 5371.5  | 7.5°  | 5371.5  | 5362.5  | 5329.4 | 5245.1 | 5109.7 | 4896.1 | 4700.5 | 4528.9 | 4399.5 | 4324.3 |
| 5540.0  | 10°   | 5540.0  | 5525.0  | 5473.8 | 5287.3 | 4932.2 | 4465.7 | 4077.5 | 3755.5 | 3544.9 | 3445.6 |
| 5738.6  | 12.5° | 5738.6  | 5720.6  | 5630.3 | 5248.1 | 4595.1 | 3866.9 | 3331.2 | 2973.1 | 2777.5 | 2690.3 |
| 5967.4  | 15°   | 5973.4  | 5949.3  | 5771.8 | 5061.6 | 4104.6 | 3204.9 | 2714.3 | 2446.5 | 2320.1 | 2241.9 |
| 6259.2  | 17.5° | 6265.3  | 6223.1  | 5877.1 | 4781.7 | 3572.0 | 2699.3 | 2335.2 | 2133.6 | 2022.2 | 1947.0 |
| 6641.4  | 20°   | 6644.4  | 6575.2  | 5961.3 | 4447.7 | 3081.5 | 2380.3 | 2079.4 | 1910.9 | 1826.6 | 1760.4 |
| 7183.1  | 22.5° | 7174.1  | 7074.8  | 6063.6 | 4086.6 | 2735.4 | 2160.6 | 1889.8 | 1766.4 | 1697.2 | 1622.0 |
| 7938.4  | 25°   | 7830.1  | 7712.7  | 6190.0 | 3752.5 | 2497.7 | 1971.1 | 1751.4 | 1649.1 | 1567.8 | 1480.6 |
| 8928.5  | 27.5° | 8747.9  | 8537.3  | 6340.5 | 3478.7 | 2293.1 | 1808.6 | 1625.0 | 1510.6 | 1417.4 | 1345.1 |
| 10050.9 | 30°   | 9771.0  | 9425.0  | 6472.9 | 3313.2 | 2106.5 | 1658.1 | 1459.5 | 1345.1 | 1257.9 | 1206.7 |
| 11059.0 | 32.5° | 10740.0 | 10270.6 | 6560.2 | 3241.0 | 1938.0 | 1486.6 | 1278.9 | 1155.6 | 1089.4 | 1074.3 |
| 12046.0 | 35°   | 11654.8 | 11034.9 | 6551.1 | 3171.8 | 1787.5 | 1315.0 | 1101.4 | 975.0  | 923.8  | 932.9  |
| 13108.3 | 37.5° | 12708.1 | 11850.4 | 6488.0 | 3063.4 | 1664.1 | 1158.6 | 947.9  | 836.6  | 791.4  | 794.4  |
| 14399.3 | 40°   | 13932.8 | 12792.3 | 6448.8 | 2858.8 | 1528.7 | 1014.1 | 821.5  | 731.2  | 698.1  | 686.1  |
| 15759.5 | 42.5° | 15238.9 | 13704.1 | 6454.9 | 2627.1 | 1360.2 | 884.7  | 734.3  | 659.0  | 628.9  | 619.9  |
| 17273.1 | 45°   | 16550.9 | 14573.8 | 6463.9 | 2386.3 | 1182.6 | 785.4  | 671.1  | 607.9  | 589.8  | 577.8  |
| 18807.8 | 47.5° | 17784.7 | 15314.1 | 6295.4 | 2127.5 | 1008.1 | 710.2  | 619.9  | 577.8  | 562.7  | 547.7  |
| 20348.6 | 50°   | 18934.2 | 15807.6 | 5889.1 | 1826.6 | 869.7  | 650.0  | 580.8  | 550.7  | 535.6  | 520.6  |
| 21744.9 | 52.5° | 19828.0 | 15885.9 | 5218.0 | 1516.7 | 773.4  | 604.9  | 556.7  | 529.6  | 511.6  | 496.5  |
| 22873.3 | 55°   | 20225.2 | 15395.3 | 4264.1 | 1227.8 | 698.1  | 565.7  | 532.6  | 505.6  | 484.5  | 469.4  |
| 23761.1 | 57.5° | 20122.9 | 14363.2 | 3325.2 | 987.0  | 625.9  | 526.6  | 502.5  | 484.5  | 460.4  | 436.3  |
| 24480.3 | 60°   | 19620.3 | 12981.9 | 2506.7 | 821.5  | 559.7  | 484.5  | 469.4  | 454.4  | 421.3  | 385.2  |
| 24757.1 | 62.5° | 18750.7 | 11245.6 | 1787.5 | 680.1  | 487.5  | 436.3  | 430.3  | 418.3  | 370.1  | 303.9  |
| 24347.9 | 65°   | 17420.6 | 9136.1  | 1203.7 | 565.7  | 418.3  | 382.2  | 385.2  | 364.1  | 300.9  | 225.7  |
| 22849.3 | 67.5° | 15476.6 | 6680.5  | 770.4  | 463.4  | 349.1  | 319.0  | 322.0  | 310.0  | 255.8  | 192.6  |
| 20008.5 | 70°   | 13000.0 | 4423.6  | 502.5  | 352.1  | 279.9  | 246.8  | 264.8  | 267.8  | 216.7  | 156.5  |
| 15356.2 | 72.5° | 9530.3  | 2612.0  | 352.1  | 261.8  | 204.6  | 171.5  | 216.7  | 222.7  | 174.5  | 117.4  |
| 9238.4  | 75°   | 5431.7  | 1239.8  | 264.8  | 189.6  | 126.4  | 120.4  | 168.5  | 168.5  | 120.4  | 78.2   |
| 3999.3  | 77.5° | 2281.0  | 517.6   | 186.6  | 123.4  | 72.2   | 69.2   | 114.4  | 105.3  | 60.2   | 36.1   |
| 975.0   | 80°   | 659.0   | 231.7   | 99.3   | 60.2   | 30.1   | 27.1   | 45.1   | 33.1   | 15.0   | 6.0    |
| 370.1   | 82.5° | 258.8   | 102.3   | 39.1   | 24.1   | 12.0   | 12.0   | 6.0    | 0.0    | 0.0    | 0.0    |
| 210.6   | 85°   | 153.5   | 42.1    | 18.1   | 9.0    | 3.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 45.1    | 87.5° | 39.1    | 9.0     | 6.0    | 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    |

(END O

| <u>180°</u> |
|-------------|
| 5221.1      |
| 5184.9      |
| 4962.3      |
| 4327.3      |
| 3436.6      |
| 2681.2      |
| 2244.9      |
| 1941.0      |
| 1748.4      |
| 1610.0      |
| 1471.5      |
| 1330.1      |
| 1197.7      |
| 1083.3      |
| 932.9       |
| 806.5       |
| 683.1       |
| 616.9       |
| 577.8       |
| 547.7       |
| 520.6       |
| 493.5       |
| 466.4       |
| 433.3       |
| 379.2       |
| 297.9       |
| 219.7       |
| 183.6       |
| 150.5       |
| 111.3       |
| 72.2        |
| 36.1        |
| 6.0         |
| 0.0         |
| 0.0         |
| 0.0         |
| 0.0         |

F REPORT)