

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: STREETWORKS

Report Number: P940672

Luminaire Tested: **GLAN-SB3D-835-U-SL4**

Issue Date: 1/21/2025

### Test Information

Test Method: LM-79-08  
Report Number: P940672  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-9)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/21/2025  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: GLAN-SB3D-835-U-SL4  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(3) 80 CRI, 3500K, 900mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE IV SPILL  
LIGHT ELIMINATOR OPTICS  
Light Source: -  
Ballast/Driver: -

### Summary

Lumens per Lamp: N/A  
Luminaire Lumens: 28072 lumens  
Efficiency: N/A  
Efficacy: 128.7 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')  
IES Classification: Type IV - Medium  
BUG Rating: B3 - U0 - G4

Input Watts (W): 218.1  
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



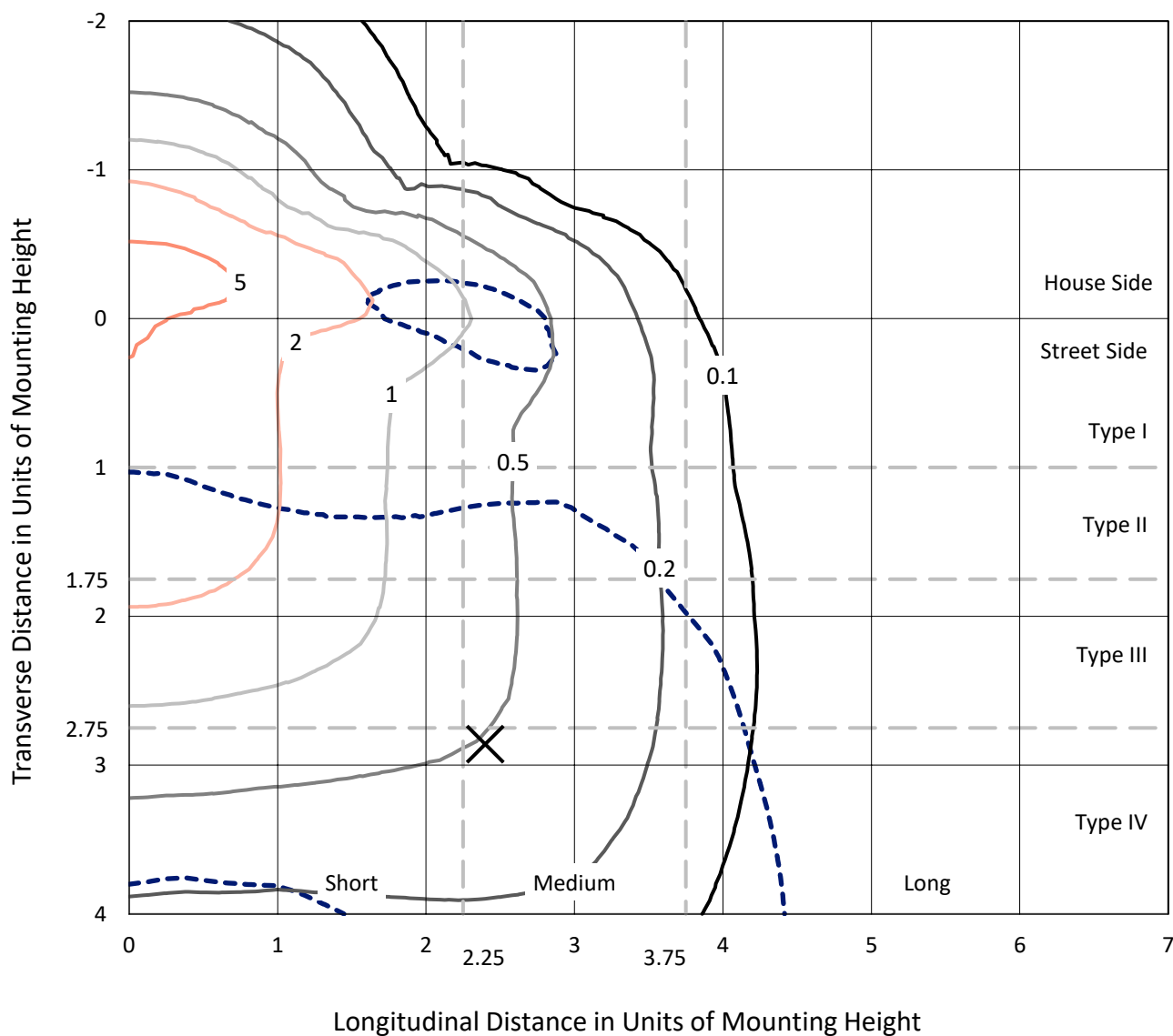
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## Iso-Footcandle Lines of Horizontal Illumination

× Max cd

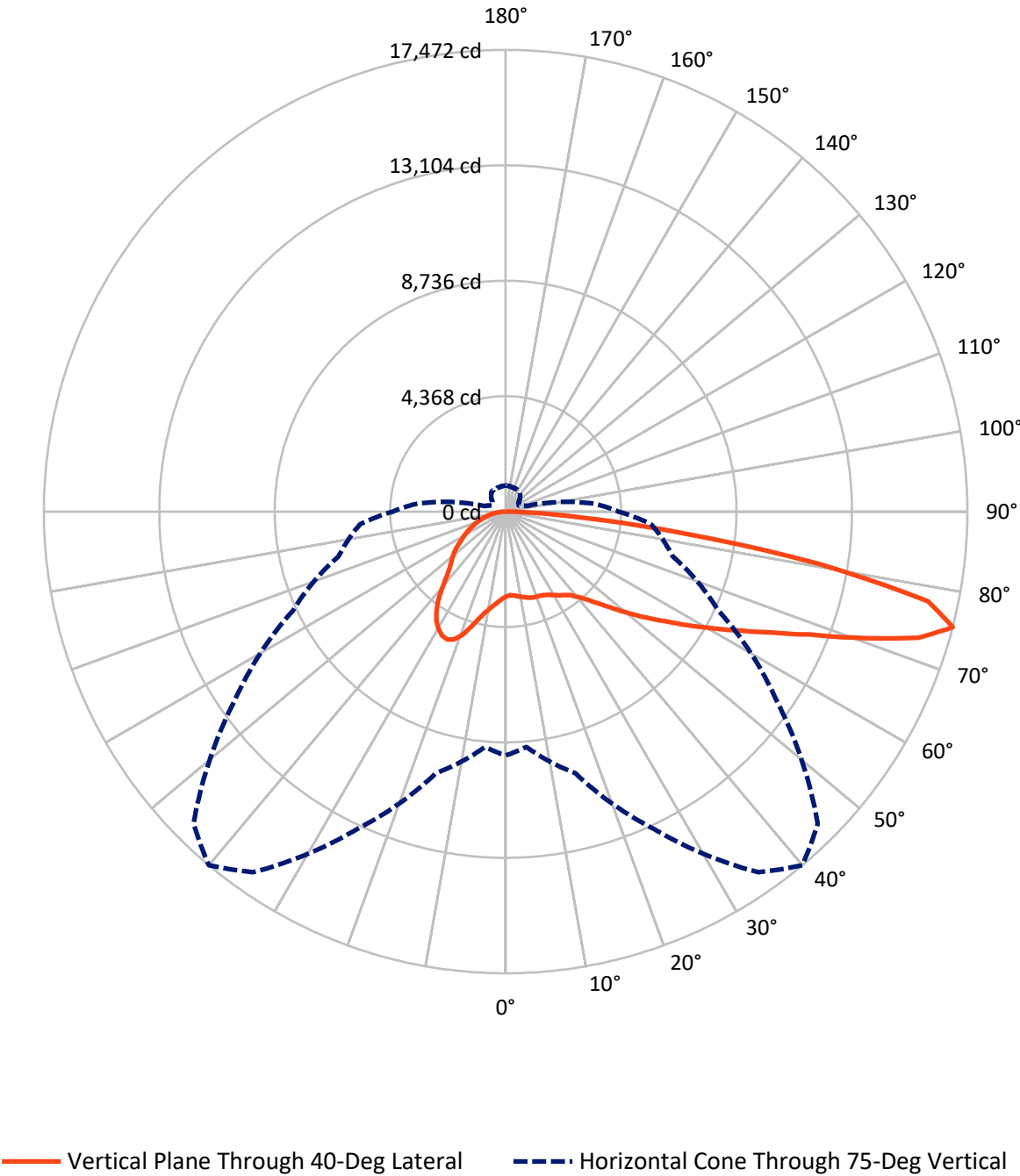
--- 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6.6 fc  
Type IV - Medium - N/A

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Luminous Intensity Polar Plot



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**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total   |
|--------------------|-----------|----------|--------|---------|
| <b>House Side</b>  | Lumens    | 8697.6   | 0.0    | 8697.6  |
|                    | % Fixture | 31.0     | 0.0    | 31.0    |
| <b>Street Side</b> | Lumens    | 19374.4  | 0.0    | 19374.4 |
|                    | % Fixture | 69.0     | 0.0    | 69.0    |
| <b>Total</b>       | Lumens    | 28072.0  | 0.0    | 28072.0 |
|                    | % Fixture | 100.0    | 0.0    | 100.0   |

**ZONAL LUMENS:**

| Zone      | Lumens  | % Fixture |
|-----------|---------|-----------|
| 0°-10°    | 320.4   | 1.1       |
| 10°-20°   | 1075.8  | 3.8       |
| 20°-30°   | 1964.4  | 7.0       |
| 30°-40°   | 2786.0  | 9.9       |
| 40°-50°   | 3761.9  | 13.4      |
| 50°-60°   | 5060.8  | 18.0      |
| 60°-70°   | 6423.3  | 22.9      |
| 70°-80°   | 5829.6  | 20.8      |
| 80°-90°   | 849.8   | 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°    | 28072.0 | 100.0     |
| 0°-180°   | 28072.0 | 100.0     |

**Coefficient of Utilization**



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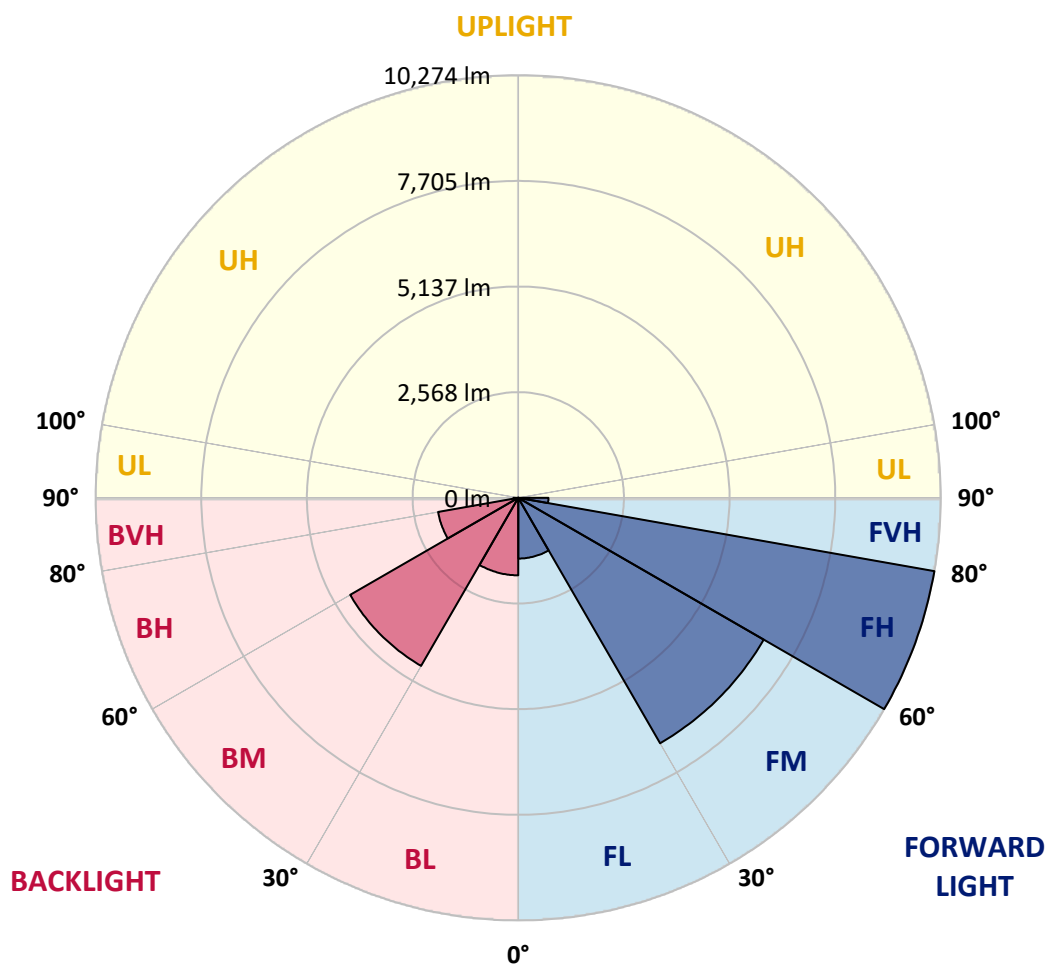
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

| Zone |             | Lumens  | % Fixture | Zone Rating/Lumen Limit |      |          |
|------|-------------|---------|-----------|-------------------------|------|----------|
|      |             |         |           | B                       | U    | G        |
| FL   | (0°-30°)    | 1476.6  | 5.3       |                         |      |          |
| FM   | (30°-60°)   | 6891.1  | 24.5      |                         |      |          |
| FH   | (60°-80°)   | 10273.9 | 36.6      |                         |      | G4/12000 |
| FVH  | (80°-90°)   | 732.8   | 2.6       |                         |      | G4/750   |
| BL   | (0°-30°)    | 1884.0  | 6.7       | B3/2500                 |      |          |
| BM   | (30°-60°)   | 4717.7  | 16.8      | B3/5000                 |      |          |
| BH   | (60°-80°)   | 1979.0  | 7.0       | B3/2500                 |      | G3/2500  |
| BVH  | (80°-90°)   | 117.0   | 0.4       |                         |      | G2/225   |
| UL   | (90°-100°)  | 0.0     | 0.0       |                         | U0/0 |          |
| UH   | (100°-180°) | 0.0     | 0.0       |                         | U0/0 |          |

**BUG Rating: B3-U0-G4**

Type IV Medium



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**CANDELA DISTRIBUTION (FULL):**

|       | 0°      | 5°      | 15°     | 25°     | 35°     | 40°     | 45°     | 55°     | 65°    | 75°    |
|-------|---------|---------|---------|---------|---------|---------|---------|---------|--------|--------|
| 0°    | 3210.1  | 3210.1  | 3210.1  | 3210.1  | 3210.1  | 3210.1  | 3210.1  | 3210.1  | 3210.1 | 3210.1 |
| 2.5°  | 3160.9  | 3178.8  | 3174.3  | 3168.4  | 3168.4  | 3169.9  | 3168.4  | 3178.8  | 3189.2 | 3199.6 |
| 5°    | 3193.7  | 3211.6  | 3202.6  | 3195.2  | 3189.2  | 3187.7  | 3183.3  | 3181.8  | 3187.7 | 3201.1 |
| 7.5°  | 3257.7  | 3275.6  | 3262.2  | 3248.8  | 3236.9  | 3230.9  | 3225.0  | 3216.0  | 3211.6 | 3219.0 |
| 10°   | 3329.2  | 3347.0  | 3330.7  | 3306.8  | 3287.5  | 3280.0  | 3274.1  | 3265.2  | 3259.2 | 3263.7 |
| 12.5° | 3400.6  | 3418.5  | 3396.2  | 3363.4  | 3338.1  | 3333.6  | 3326.2  | 3323.2  | 3321.7 | 3320.2 |
| 15°   | 3467.7  | 3482.5  | 3454.3  | 3415.5  | 3388.7  | 3381.3  | 3373.8  | 3378.3  | 3385.8 | 3394.7 |
| 17.5° | 3519.8  | 3534.7  | 3493.0  | 3442.3  | 3417.0  | 3414.1  | 3409.6  | 3424.5  | 3445.3 | 3467.7 |
| 20°   | 3567.4  | 3582.3  | 3528.7  | 3460.2  | 3430.4  | 3430.4  | 3431.9  | 3463.2  | 3493.0 | 3525.7 |
| 22.5° | 3634.4  | 3646.3  | 3580.8  | 3487.0  | 3443.8  | 3446.8  | 3458.7  | 3490.0  | 3527.2 | 3571.9 |
| 25°   | 3734.2  | 3743.1  | 3662.7  | 3537.6  | 3488.5  | 3497.4  | 3507.9  | 3522.7  | 3558.5 | 3610.6 |
| 27.5° | 3895.0  | 3902.4  | 3796.7  | 3627.0  | 3552.5  | 3567.4  | 3582.3  | 3571.9  | 3588.3 | 3632.9 |
| 30°   | 4121.3  | 4125.7  | 3991.7  | 3766.9  | 3661.2  | 3668.7  | 3671.6  | 3628.5  | 3597.2 | 3632.9 |
| 32.5° | 4389.3  | 4387.8  | 4228.5  | 3936.7  | 3784.8  | 3777.3  | 3752.0  | 3667.2  | 3594.2 | 3625.5 |
| 35°   | 4804.7  | 4788.3  | 4582.8  | 4174.9  | 3924.7  | 3878.6  | 3819.0  | 3710.3  | 3609.1 | 3618.0 |
| 37.5° | 5492.6  | 5441.9  | 5157.6  | 4565.0  | 4133.2  | 4015.6  | 3927.7  | 3780.3  | 3641.9 | 3615.1 |
| 40°   | 6268.3  | 6204.3  | 5891.6  | 5099.5  | 4445.9  | 4256.8  | 4115.3  | 3880.1  | 3695.5 | 3628.5 |
| 42.5° | 7188.4  | 7097.6  | 6761.1  | 5729.3  | 4841.9  | 4567.9  | 4355.0  | 4006.6  | 3774.4 | 3671.6 |
| 45°   | 8318.5  | 8197.9  | 7721.4  | 6439.5  | 5340.7  | 4975.9  | 4691.5  | 4198.7  | 3895.0 | 3755.0 |
| 47.5° | 9460.5  | 9490.3  | 8812.8  | 7252.4  | 5939.2  | 5479.2  | 5112.9  | 4487.5  | 4070.7 | 3889.0 |
| 50°   | 10673.9 | 10694.8 | 9898.2  | 8153.2  | 6618.2  | 6047.9  | 5586.4  | 4810.6  | 4314.8 | 4079.6 |
| 52.5° | 11620.9 | 11623.9 | 10883.9 | 9095.7  | 7325.4  | 6673.3  | 6097.0  | 5179.9  | 4597.7 | 4332.7 |
| 55°   | 12213.5 | 12206.0 | 11574.7 | 9987.5  | 8138.3  | 7329.9  | 6662.8  | 5599.8  | 4943.2 | 4630.5 |
| 57.5° | 12643.7 | 12621.4 | 12051.2 | 10754.3 | 9004.9  | 8105.6  | 7303.1  | 6076.2  | 5351.1 | 4984.8 |
| 60°   | 12807.5 | 12794.1 | 12374.3 | 11416.9 | 9916.1  | 8963.2  | 8041.6  | 6609.2  | 5814.2 | 5403.2 |
| 62.5° | 12870.1 | 12895.4 | 12691.4 | 12058.6 | 10891.3 | 9913.1  | 8853.0  | 7246.5  | 6335.3 | 5876.7 |
| 65°   | 13090.4 | 13136.6 | 13094.9 | 12898.3 | 11993.1 | 11025.3 | 9929.5  | 8004.3  | 6904.0 | 6384.4 |
| 67.5° | 13526.7 | 13572.8 | 13590.7 | 13903.4 | 13339.1 | 12411.5 | 11272.5 | 8948.3  | 7569.6 | 6911.5 |
| 70°   | 13516.2 | 13502.8 | 13818.5 | 14702.9 | 15024.5 | 14330.7 | 13083.0 | 10109.6 | 8363.2 | 7349.2 |
| 72.5° | 12302.8 | 12195.6 | 12941.5 | 14694.0 | 16427.0 | 16334.7 | 15294.0 | 11607.5 | 9048.1 | 7402.8 |
| 75°   | 9229.7  | 8943.8  | 10261.5 | 13242.3 | 16660.8 | 17472.3 | 16699.5 | 12536.5 | 8885.8 | 6540.7 |
| 77.5° | 3947.1  | 3659.7  | 5212.6  | 9802.9  | 14911.3 | 16333.2 | 15410.1 | 10937.5 | 7093.1 | 4325.3 |
| 80°   | 1033.3  | 1031.8  | 1575.3  | 4444.4  | 10140.9 | 12061.6 | 10581.6 | 7063.3  | 4052.8 | 1545.5 |
| 82.5° | 427.3   | 416.9   | 579.2   | 1728.6  | 4955.1  | 6768.5  | 5523.8  | 3150.5  | 1463.6 | 418.4  |
| 85°   | 159.3   | 157.8   | 281.4   | 597.0   | 1748.0  | 2791.7  | 2020.4  | 805.5   | 364.8  | 204.0  |
| 87.5° | 44.7    | 43.2    | 61.0    | 207.0   | 425.8   | 646.2   | 345.4   | 132.5   | 102.7  | 80.4   |
| 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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CATALOG NUMBER: GLAN-SB3D-835-U-SL4

**CANDELA DISTRIBUTION (continued):**

| 85°    |       | 90°    | 95°    | 105°   | 115°   | 125°   | 135°   | 145°   | 155°   | 165°   | 175°   |
|--------|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 3210.1 | 0°    | 3210.1 | 3210.1 | 3210.1 | 3210.1 | 3210.1 | 3210.1 | 3210.1 | 3210.1 | 3210.1 | 3210.1 |
| 3216.0 | 2.5°  | 3220.5 | 3227.9 | 3241.3 | 3251.8 | 3265.2 | 3280.0 | 3300.9 | 3314.3 | 3327.7 | 3336.6 |
| 3223.5 | 5°    | 3233.9 | 3250.3 | 3284.5 | 3318.8 | 3359.0 | 3396.2 | 3439.4 | 3470.6 | 3495.9 | 3503.4 |
| 3250.3 | 7.5°  | 3263.7 | 3290.5 | 3348.5 | 3406.6 | 3470.6 | 3531.7 | 3594.2 | 3647.8 | 3691.0 | 3707.4 |
| 3297.9 | 10°   | 3315.8 | 3351.5 | 3433.4 | 3515.3 | 3600.2 | 3694.0 | 3774.4 | 3851.8 | 3912.8 | 3938.1 |
| 3354.5 | 12.5° | 3381.3 | 3426.0 | 3533.2 | 3646.3 | 3763.9 | 3893.5 | 3997.7 | 4093.0 | 4168.9 | 4203.2 |
| 3433.4 | 15°   | 3466.2 | 3524.2 | 3661.2 | 3813.1 | 3985.8 | 4165.9 | 4298.5 | 4404.2 | 4489.0 | 4530.7 |
| 3515.3 | 17.5° | 3558.5 | 3635.9 | 3808.6 | 4037.9 | 4285.1 | 4521.8 | 4676.6 | 4754.1 | 4841.9 | 4882.1 |
| 3591.2 | 20°   | 3647.8 | 3743.1 | 3990.3 | 4323.8 | 4652.8 | 4904.4 | 5029.5 | 5050.4 | 5056.3 | 5060.8 |
| 3662.7 | 22.5° | 3740.1 | 3868.2 | 4218.1 | 4684.1 | 5037.0 | 5211.2 | 5229.0 | 5139.7 | 5014.6 | 4956.6 |
| 3732.7 | 25°   | 3841.4 | 4011.1 | 4515.8 | 5081.6 | 5367.5 | 5388.3 | 5251.4 | 5034.0 | 4797.2 | 4688.5 |
| 3789.3 | 27.5° | 3939.6 | 4176.4 | 4873.2 | 5461.3 | 5605.7 | 5422.6 | 5127.8 | 4819.6 | 4533.7 | 4419.1 |
| 3829.5 | 30°   | 4037.9 | 4365.5 | 5267.7 | 5793.3 | 5714.4 | 5337.7 | 4932.7 | 4588.8 | 4301.4 | 4180.8 |
| 3865.2 | 32.5° | 4137.7 | 4585.8 | 5721.8 | 6033.0 | 5695.0 | 5157.6 | 4690.0 | 4329.7 | 4076.6 | 3950.1 |
| 3896.5 | 35°   | 4250.8 | 4856.8 | 6152.1 | 6164.1 | 5565.5 | 4892.5 | 4369.9 | 4020.0 | 3799.7 | 3698.4 |
| 3933.7 | 37.5° | 4398.2 | 5200.7 | 6531.8 | 6196.8 | 5339.2 | 4503.9 | 3972.4 | 3653.8 | 3472.1 | 3426.0 |
| 3988.8 | 40°   | 4581.3 | 5614.6 | 6822.1 | 6144.7 | 5004.2 | 4031.9 | 3537.6 | 3283.0 | 3180.3 | 3190.7 |
| 4063.2 | 42.5° | 4819.6 | 6077.7 | 7026.1 | 6010.7 | 4538.2 | 3545.1 | 3156.5 | 3043.3 | 3092.4 | 3134.1 |
| 4174.9 | 45°   | 5129.3 | 6558.6 | 7152.7 | 5782.9 | 4011.1 | 3132.6 | 2931.6 | 2958.4 | 2995.7 | 3000.1 |
| 4355.0 | 47.5° | 5525.3 | 7045.5 | 7236.1 | 5439.0 | 3473.6 | 2842.3 | 2788.7 | 2794.7 | 2787.2 | 2756.0 |
| 4624.5 | 50°   | 6019.6 | 7519.0 | 7310.5 | 4983.4 | 3016.5 | 2660.7 | 2589.2 | 2568.4 | 2465.6 | 2364.4 |
| 4983.4 | 52.5° | 6582.4 | 7953.7 | 7341.8 | 4417.6 | 2660.7 | 2508.8 | 2392.7 | 2261.6 | 2069.6 | 2038.3 |
| 5434.5 | 55°   | 7207.8 | 8355.7 | 7261.4 | 3722.3 | 2361.4 | 2313.8 | 2138.1 | 1980.2 | 1959.4 | 1932.6 |
| 6028.6 | 57.5° | 7955.2 | 8789.0 | 7097.6 | 2946.5 | 2054.7 | 2086.0 | 1914.7 | 1932.6 | 1895.4 | 1853.7 |
| 6792.4 | 60°   | 8772.6 | 9237.1 | 6810.2 | 2239.3 | 1737.5 | 1801.6 | 1856.7 | 1855.2 | 1844.7 | 1810.5 |
| 7597.9 | 62.5° | 9508.1 | 9531.9 | 6244.5 | 1715.2 | 1459.1 | 1581.2 | 1731.6 | 1730.1 | 1721.2 | 1701.8 |
| 8439.1 | 65°   | 9945.9 | 9487.3 | 5300.5 | 1350.4 | 1229.8 | 1399.6 | 1561.9 | 1573.8 | 1575.3 | 1573.8 |
| 9071.9 | 67.5° | 9868.4 | 8964.7 | 4005.1 | 1075.0 | 1040.7 | 1214.9 | 1393.6 | 1410.0 | 1421.9 | 1424.9 |
| 9152.3 | 70°   | 8993.0 | 7816.7 | 2611.5 | 857.6  | 872.5  | 1052.7 | 1234.3 | 1250.7 | 1261.1 | 1273.0 |
| 7941.8 | 72.5° | 7009.7 | 5747.2 | 1494.9 | 693.8  | 725.1  | 912.7  | 1076.5 | 1095.8 | 1101.8 | 1124.1 |
| 5526.8 | 75°   | 4271.7 | 3379.8 | 807.0  | 546.4  | 595.6  | 780.2  | 920.1  | 942.5  | 952.9  | 979.7  |
| 2714.3 | 77.5° | 2030.9 | 1463.6 | 460.1  | 425.8  | 479.4  | 637.2  | 777.2  | 802.5  | 774.2  | 789.1  |
| 748.9  | 80°   | 686.4  | 543.4  | 290.3  | 324.6  | 366.3  | 497.3  | 622.4  | 647.7  | 588.1  | 585.1  |
| 248.6  | 82.5° | 239.7  | 220.4  | 184.6  | 215.9  | 236.7  | 355.8  | 470.5  | 503.2  | 437.7  | 436.2  |
| 111.7  | 85°   | 93.8   | 89.3   | 102.7  | 117.6  | 141.4  | 218.9  | 309.7  | 326.1  | 269.5  | 217.4  |
| 32.8   | 87.5° | 19.4   | 20.8   | 25.3   | 26.8   | 43.2   | 75.9   | 111.7  | 137.0  | 108.7  | 92.3   |
| 0.0    | 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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| 180°   |
|--------|
| 3210.1 |
| 3330.7 |
| 3506.4 |
| 3708.9 |
| 3939.6 |
| 4203.2 |
| 4527.7 |
| 4880.6 |
| 5072.7 |
| 4972.9 |
| 4704.9 |
| 4432.5 |
| 4194.2 |
| 3966.4 |
| 3720.8 |
| 3458.7 |
| 3226.4 |
| 3172.8 |
| 3029.9 |
| 2779.8 |
| 2377.8 |
| 2048.7 |
| 1937.1 |
| 1846.2 |
| 1798.6 |
| 1694.4 |
| 1573.8 |
| 1427.9 |
| 1279.0 |
| 1133.1 |
| 982.7  |
| 777.2  |
| 579.2  |
| 415.4  |
| 214.4  |
| 84.9   |
| 0.0    |