

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: P533126

Luminaire Tested: **GLAN-SA8C-735-U-SLR-GRSWH**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P533126
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-26)
Test Lab: INNOVATION CENTER
Issue Date: 5/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SA8C-735-U-SLR-GRSWH
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(8) 70 CRI, 3500K, 1050mA LIGHTSQUARES WITH 16 LEDS EACH AND SPILL LIGHT
ELIMINATOR RIGHT OPTICS WITH WHITE GLARE REDUCTION SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 39387 lumens
Efficiency: N/A
Efficacy: 91.8 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type III - Short
BUG Rating: B4 - U0 - G3

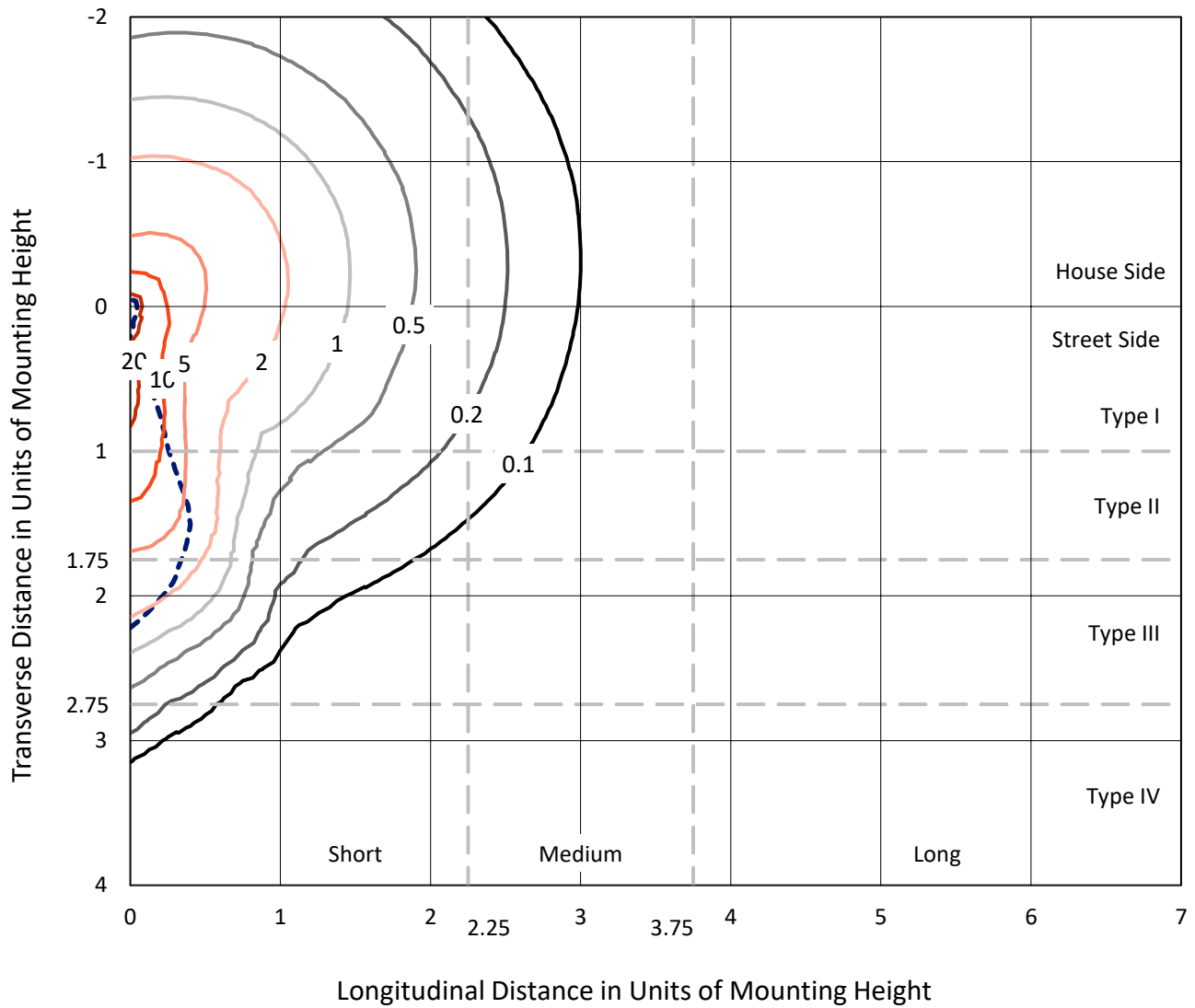
Input Watts (W): 429
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

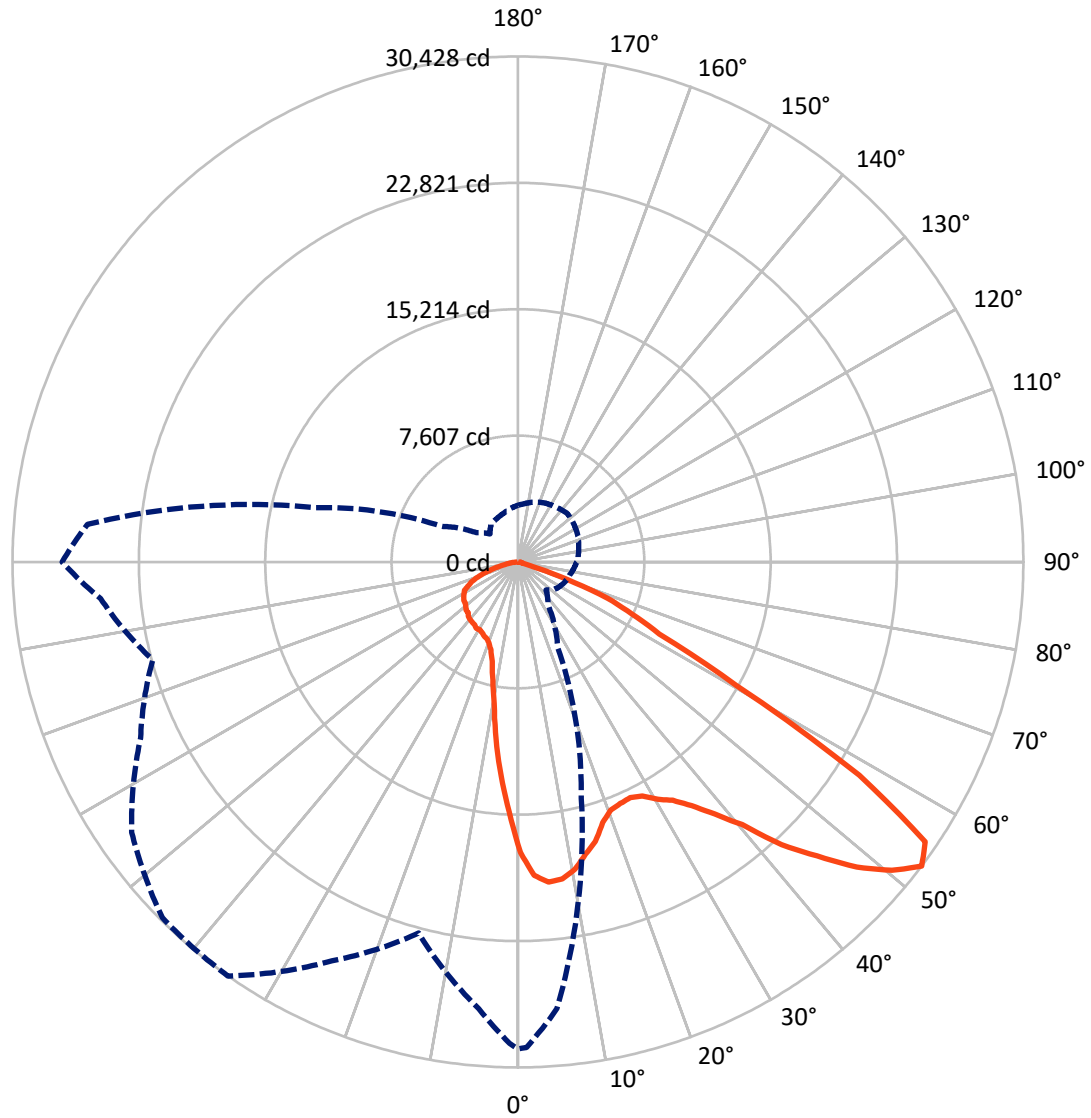
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 28 fc
 Type III - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 325-Deg Lateral - - - Horizontal Cone Through 52.5-Deg Vertical

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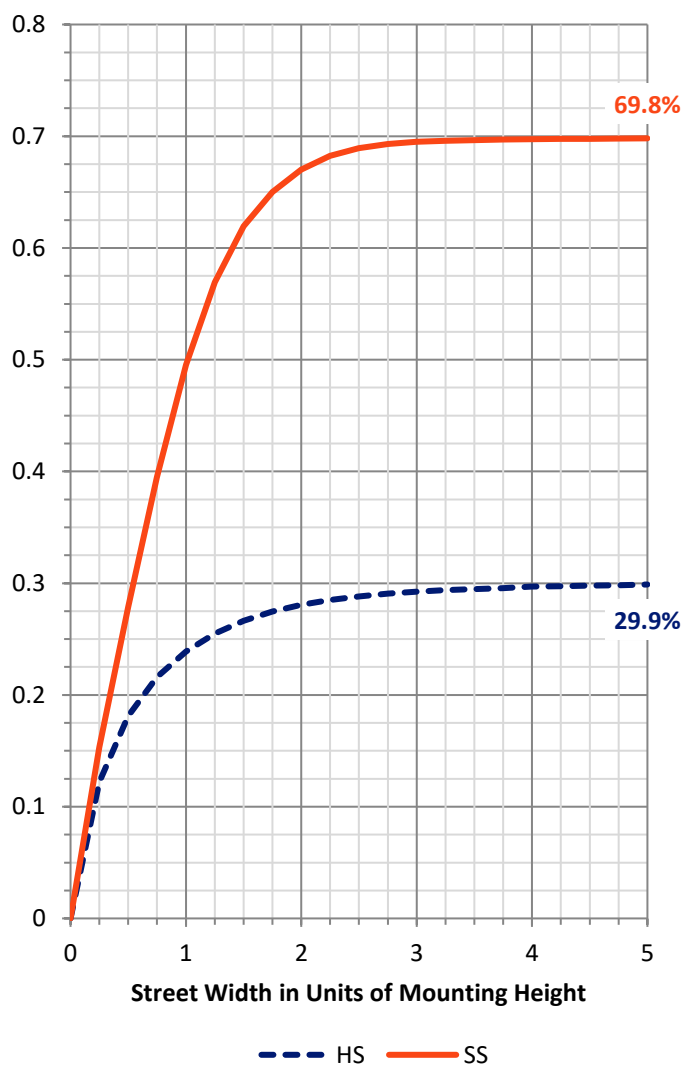
FLUX DISTRIBUTION:

| | | Downward | Upward | Total |
|--------------------|-----------|----------|--------|---------|
| House Side | Lumens | 11873.5 | 0.0 | 11873.5 |
| | % Fixture | 30.1 | 0.0 | 30.1 |
| Street Side | Lumens | 27513.5 | 0.0 | 27513.5 |
| | % Fixture | 69.9 | 0.0 | 69.9 |
| Total | Lumens | 39387.0 | 0.0 | 39387.0 |
| | % Fixture | 100.0 | 0.0 | 100.0 |

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|---------|-----------|
| 0°-10° | 1333.6 | 3.4 |
| 10°-20° | 2891.0 | 7.3 |
| 20°-30° | 4368.1 | 11.1 |
| 30°-40° | 6312.1 | 16.0 |
| 40°-50° | 8400.2 | 21.3 |
| 50°-60° | 9395.9 | 23.9 |
| 60°-70° | 5295.5 | 13.4 |
| 70°-80° | 1180.4 | 3.0 |
| 80°-90° | 210.2 | 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° | 39387.0 | 100.0 |
| 0°-180° | 39387.0 | 100.0 |

Coefficient of Utilization



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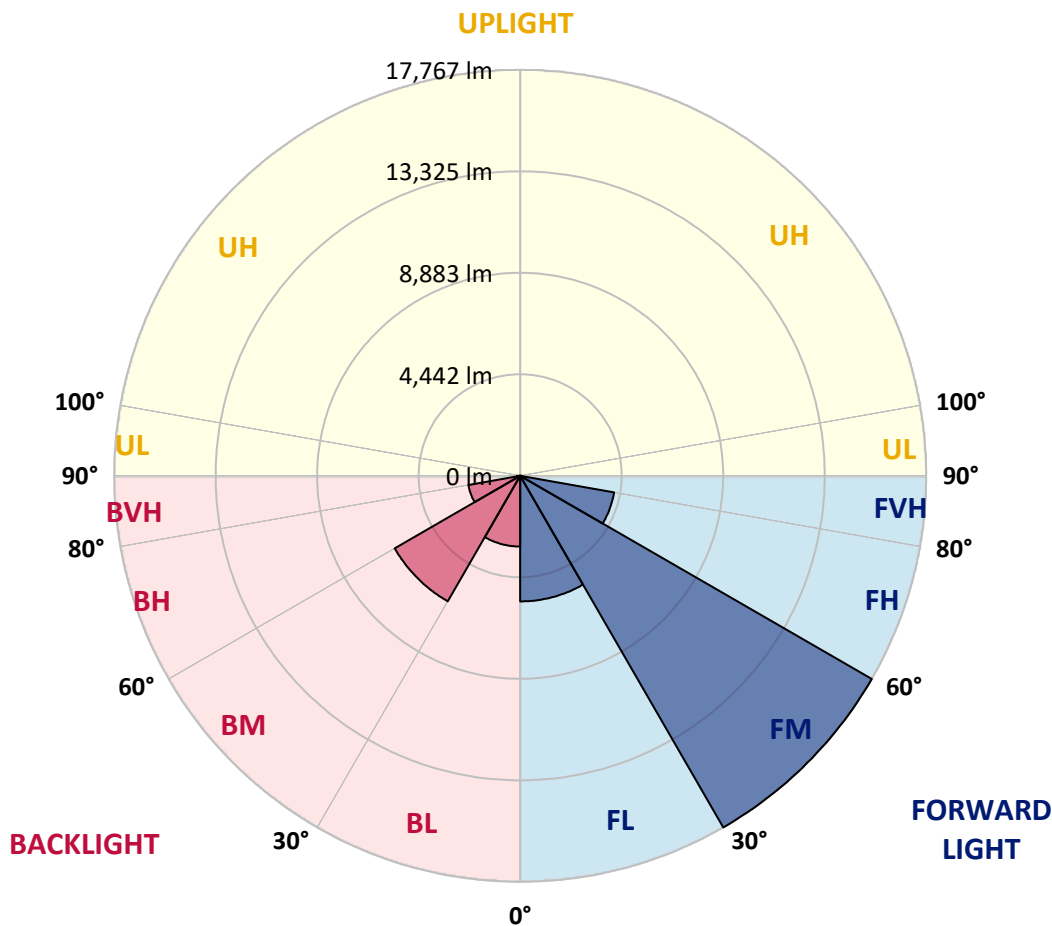
CATALOG NUMBER: GLAN-SA8C-735-U-SLR-GRSWH

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

| Zone | Lumens | % Fixture | Zone Rating/Lumen Limit | | |
|----------------|---------|-----------|-------------------------|------|---------|
| | | | B | U | G |
| FL (0°-30°) | 5496.4 | 14.0 | | | |
| FM (30°-60°) | 17766.6 | 45.1 | | | |
| FH (60°-80°) | 4174.4 | 10.6 | | | G2/5000 |
| FVH (80°-90°) | 76.1 | 0.2 | | | G1/100 |
| BL (0°-30°) | 3096.3 | 7.9 | B4/5000 | | |
| BM (30°-60°) | 6341.7 | 16.1 | B4/8500 | | |
| BH (60°-80°) | 2301.5 | 5.8 | B3/2500 | | G3/2500 |
| BVH (80°-90°) | 134.1 | 0.3 | | | G2/225 |
| UL (90°-100°) | 0.0 | 0.0 | | U0/0 | |
| UH (100°-180°) | 0.0 | 0.0 | | U0/0 | |

BUG Rating: B4-U0-G3

Type III Short





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CANDELA DISTRIBUTION (FULL):

| | 0° | 1° | 5° | 15° | 25° | 35° | 45° | 55° | 65° | 75° | 85° |
|-------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 0° | 17480.2 | 17480.2 | 17480.2 | 17480.2 | 17480.2 | 17480.2 | 17480.2 | 17480.2 | 17480.2 | 17480.2 | 17480.2 |
| 2.5° | 17771.3 | 18056.8 | 17748.5 | 17200.5 | 16812.3 | 16458.3 | 16087.3 | 16013.0 | 15527.8 | 15442.2 | 15088.2 |
| 5° | 16760.9 | 16698.1 | 16321.3 | 15602.0 | 14808.5 | 14089.2 | 13558.3 | 13044.5 | 12696.3 | 12290.9 | 12262.4 |
| 7.5° | 15533.5 | 15168.1 | 14951.2 | 13860.8 | 12878.9 | 11748.6 | 11263.4 | 10481.3 | 10235.8 | 9870.4 | 9682.0 |
| 10° | 14437.4 | 14169.1 | 13661.0 | 12570.7 | 11200.6 | 10452.7 | 9933.2 | 9510.8 | 9225.3 | 8848.6 | 8374.7 |
| 12.5° | 13895.1 | 13786.6 | 13215.8 | 11526.0 | 10509.8 | 9710.6 | 9345.2 | 8934.2 | 8449.0 | 7843.8 | 7609.8 |
| 15° | 13992.1 | 13626.8 | 13192.9 | 11326.2 | 9921.8 | 9151.1 | 8568.8 | 8055.0 | 7432.8 | 6856.2 | 6519.4 |
| 17.5° | 14717.2 | 14437.4 | 13569.7 | 11451.8 | 9699.2 | 8586.0 | 7529.8 | 6770.6 | 6211.1 | 5691.6 | 5457.6 |
| 20° | 16144.3 | 15739.0 | 14762.8 | 11611.6 | 9219.6 | 7798.2 | 6587.9 | 5651.7 | 5052.2 | 4778.2 | 4698.3 |
| 22.5° | 17725.7 | 17485.9 | 15927.4 | 11971.2 | 8837.1 | 7067.4 | 5588.9 | 4652.6 | 4430.0 | 4355.8 | 4504.2 |
| 25° | 19649.5 | 19027.3 | 17737.1 | 12559.3 | 8540.3 | 6445.2 | 4744.0 | 4224.5 | 4110.3 | 4184.5 | 4355.8 |
| 27.5° | 21111.0 | 20945.4 | 19004.4 | 13113.0 | 8135.0 | 5697.3 | 4270.1 | 3927.6 | 3961.9 | 4036.1 | 4195.9 |
| 30° | 22846.4 | 22007.2 | 20231.8 | 13495.5 | 7769.6 | 5183.5 | 3939.0 | 3847.7 | 3882.0 | 4007.5 | 4087.5 |
| 32.5° | 23891.1 | 23577.1 | 21002.5 | 14072.1 | 7347.2 | 4738.3 | 3682.1 | 3596.5 | 3647.9 | 3836.3 | 4024.7 |
| 35° | 25221.3 | 24599.0 | 21955.9 | 14220.5 | 7050.3 | 4561.3 | 3499.5 | 3436.7 | 3556.6 | 3687.9 | 3899.1 |
| 37.5° | 26774.0 | 26345.9 | 23274.6 | 14117.7 | 6890.5 | 4378.6 | 3345.3 | 3316.8 | 3402.4 | 3585.1 | 3830.6 |
| 40° | 27693.1 | 27561.8 | 23965.3 | 14180.5 | 6639.3 | 4218.8 | 3168.4 | 3202.6 | 3379.6 | 3522.3 | 3762.1 |
| 42.5° | 28578.0 | 27721.7 | 24987.2 | 14157.7 | 6479.4 | 4001.8 | 3185.5 | 3145.5 | 3282.5 | 3448.1 | 3676.4 |
| 45° | 28772.1 | 27921.5 | 25227.0 | 13997.9 | 6285.3 | 3790.6 | 3054.2 | 3071.3 | 3236.9 | 3442.4 | 3590.8 |
| 47.5° | 28646.5 | 28018.5 | 25672.2 | 13952.2 | 6102.7 | 3642.2 | 2860.1 | 3065.6 | 3162.6 | 3328.2 | 3539.4 |
| 50° | 28560.9 | 28526.6 | 26049.0 | 14169.1 | 5857.2 | 3408.1 | 2626.0 | 2991.4 | 3088.4 | 3254.0 | 3482.3 |
| 52.5° | 29314.4 | 29240.2 | 26991.0 | 14740.0 | 5663.1 | 3156.9 | 2386.3 | 2803.0 | 3037.1 | 3196.9 | 3419.5 |
| 55° | 29771.1 | 29445.7 | 28606.5 | 15442.2 | 5337.7 | 2825.8 | 2220.7 | 2568.9 | 2911.5 | 3054.2 | 3282.5 |
| 57.5° | 26779.7 | 26557.1 | 25877.8 | 14414.6 | 4789.6 | 2392.0 | 2015.2 | 2329.2 | 2740.2 | 2962.8 | 3196.9 |
| 60° | 22281.3 | 21933.0 | 20191.8 | 12251.0 | 3533.7 | 1861.1 | 1889.6 | 2140.8 | 2694.5 | 2780.2 | 3054.2 |
| 62.5° | 21008.2 | 20146.2 | 17777.0 | 9859.0 | 2711.7 | 1598.5 | 1695.5 | 1969.5 | 2454.8 | 2597.5 | 2871.5 |
| 65° | 16669.6 | 16030.2 | 12719.1 | 7118.8 | 1815.4 | 1387.2 | 1547.1 | 1775.4 | 2117.9 | 2397.7 | 2648.9 |
| 67.5° | 10435.6 | 9824.8 | 6787.7 | 3368.2 | 1267.3 | 1187.4 | 1381.5 | 1621.3 | 1901.0 | 2152.2 | 2431.9 |
| 70° | 5451.9 | 4783.9 | 3134.1 | 1216.0 | 873.4 | 970.5 | 1153.2 | 1381.5 | 1655.5 | 1861.1 | 2078.0 |
| 72.5° | 2032.3 | 1649.8 | 1021.9 | 525.2 | 605.1 | 742.1 | 936.2 | 1101.8 | 1295.9 | 1547.1 | 1667.0 |
| 75° | 314.0 | 268.3 | 262.6 | 319.7 | 411.0 | 536.6 | 667.9 | 833.5 | 1004.7 | 1164.6 | 1244.5 |
| 77.5° | 148.4 | 142.7 | 159.8 | 211.2 | 274.0 | 382.5 | 485.2 | 645.1 | 782.1 | 884.9 | 930.5 |
| 80° | 97.0 | 91.3 | 102.8 | 142.7 | 205.5 | 285.4 | 388.2 | 496.7 | 622.3 | 707.9 | 696.5 |
| 82.5° | 57.1 | 62.8 | 62.8 | 97.0 | 142.7 | 205.5 | 279.7 | 376.8 | 462.4 | 536.6 | 491.0 |
| 85° | 34.3 | 28.5 | 28.5 | 57.1 | 97.0 | 165.6 | 234.1 | 159.8 | 165.6 | 165.6 | 188.4 |
| 87.5° | 11.4 | 11.4 | 11.4 | 5.7 | 11.4 | 11.4 | 17.1 | 28.5 | 34.3 | 40.0 | 51.4 |
| 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):

| | 90° | 95° | 105° | 115° | 125° | 135° | 145° | 155° | 165° | 175° | 180° |
|-------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 0° | 17480.2 | 17480.2 | 17480.2 | 17480.2 | 17480.2 | 17480.2 | 17480.2 | 17480.2 | 17480.2 | 17480.2 | 17480.2 |
| 2.5° | 15076.8 | 15253.8 | 15191.0 | 14968.3 | 15139.6 | 15168.1 | 15054.0 | 15447.9 | 15522.1 | 15402.2 | 15436.5 |
| 5° | 12222.4 | 12268.1 | 12370.9 | 12587.8 | 12741.9 | 12924.6 | 12924.6 | 12936.0 | 12781.9 | 13170.1 | 13055.9 |
| 7.5° | 9522.2 | 9550.7 | 9670.6 | 10133.0 | 10264.3 | 10612.6 | 10761.0 | 10658.2 | 10350.0 | 10218.7 | 10327.1 |
| 10° | 8220.6 | 8055.0 | 8015.1 | 8072.2 | 8369.0 | 8517.5 | 8643.0 | 8608.8 | 8557.4 | 8454.7 | 8340.5 |
| 12.5° | 7352.9 | 7233.0 | 7135.9 | 6998.9 | 7016.1 | 7158.8 | 7255.8 | 7175.9 | 7198.7 | 7221.6 | 7255.8 |
| 15° | 6410.9 | 6325.3 | 6273.9 | 6068.4 | 6045.6 | 6142.6 | 6176.9 | 6222.5 | 6308.2 | 6313.9 | 6273.9 |
| 17.5° | 5411.9 | 5337.7 | 5451.9 | 5566.0 | 5486.1 | 5491.8 | 5554.6 | 5594.6 | 5571.7 | 5469.0 | 5417.6 |
| 20° | 4726.8 | 4806.8 | 4920.9 | 5029.4 | 5115.0 | 5166.4 | 5189.3 | 5126.5 | 5052.2 | 4841.0 | 4835.3 |
| 22.5° | 4527.0 | 4629.8 | 4726.8 | 4892.4 | 4972.3 | 5103.6 | 4983.7 | 4841.0 | 4738.3 | 4635.5 | 4515.6 |
| 25° | 4378.6 | 4464.2 | 4658.3 | 4721.1 | 4875.3 | 4983.7 | 4898.1 | 4755.4 | 4578.4 | 4430.0 | 4338.7 |
| 27.5° | 4270.1 | 4367.2 | 4492.8 | 4664.0 | 4783.9 | 4846.7 | 4761.1 | 4704.0 | 4521.3 | 4344.4 | 4213.1 |
| 30° | 4201.6 | 4304.4 | 4532.7 | 4675.5 | 4778.2 | 4829.6 | 4681.2 | 4612.7 | 4481.4 | 4332.9 | 4218.8 |
| 32.5° | 4156.0 | 4247.3 | 4441.4 | 4624.1 | 4692.6 | 4692.6 | 4715.4 | 4635.5 | 4452.8 | 4201.6 | 4104.6 |
| 35° | 4007.5 | 4133.1 | 4293.0 | 4504.2 | 4629.8 | 4704.0 | 4589.8 | 4498.5 | 4378.6 | 4121.7 | 3944.7 |
| 37.5° | 3921.9 | 4007.5 | 4213.1 | 4412.9 | 4521.3 | 4601.3 | 4555.6 | 4395.7 | 4235.9 | 4024.7 | 3882.0 |
| 40° | 3830.6 | 3967.6 | 4150.3 | 4338.7 | 4458.5 | 4538.5 | 4504.2 | 4315.8 | 4121.7 | 3921.9 | 3824.9 |
| 42.5° | 3767.8 | 3859.1 | 4047.5 | 4258.7 | 4401.4 | 4555.6 | 4452.8 | 4218.8 | 4081.8 | 3807.7 | 3699.3 |
| 45° | 3716.4 | 3864.8 | 4064.6 | 4150.3 | 4298.7 | 4458.5 | 4275.9 | 4133.1 | 3973.3 | 3773.5 | 3682.1 |
| 47.5° | 3653.6 | 3790.6 | 3921.9 | 4150.3 | 4218.8 | 4293.0 | 4258.7 | 4030.4 | 3893.4 | 3676.4 | 3613.6 |
| 50° | 3630.8 | 3682.1 | 3921.9 | 4047.5 | 4144.6 | 4218.8 | 4127.4 | 3956.2 | 3824.9 | 3602.2 | 3465.2 |
| 52.5° | 3539.4 | 3636.5 | 3790.6 | 3956.2 | 4076.0 | 4167.4 | 4019.0 | 3910.5 | 3733.5 | 3499.5 | 3413.8 |
| 55° | 3425.3 | 3482.3 | 3756.4 | 3927.6 | 3990.4 | 4053.2 | 3996.1 | 3819.2 | 3636.5 | 3396.7 | 3311.1 |
| 57.5° | 3276.8 | 3408.1 | 3630.8 | 3870.5 | 3950.5 | 3984.7 | 3893.4 | 3750.6 | 3522.3 | 3311.1 | 3174.1 |
| 60° | 3122.7 | 3259.7 | 3505.2 | 3699.3 | 3779.2 | 3904.8 | 3767.8 | 3682.1 | 3419.5 | 3185.5 | 3037.1 |
| 62.5° | 2968.6 | 3122.7 | 3305.4 | 3550.8 | 3619.3 | 3670.7 | 3636.5 | 3516.6 | 3305.4 | 3042.8 | 2860.1 |
| 65° | 2785.9 | 2900.0 | 3128.4 | 3254.0 | 3299.7 | 3419.5 | 3299.7 | 3254.0 | 3065.6 | 2814.4 | 2660.3 |
| 67.5° | 2511.9 | 2608.9 | 2808.7 | 2928.6 | 2962.8 | 3014.2 | 3008.5 | 2957.1 | 2745.9 | 2574.6 | 2437.6 |
| 70° | 2197.9 | 2283.5 | 2409.1 | 2551.8 | 2568.9 | 2631.7 | 2574.6 | 2563.2 | 2426.2 | 2192.2 | 2117.9 |
| 72.5° | 1764.0 | 1843.9 | 2009.5 | 2072.3 | 2078.0 | 2100.8 | 2072.3 | 2032.3 | 1998.1 | 1752.6 | 1678.4 |
| 75° | 1353.0 | 1398.6 | 1478.6 | 1535.7 | 1535.7 | 1564.2 | 1547.1 | 1507.1 | 1415.8 | 1261.6 | 1187.4 |
| 77.5° | 941.9 | 987.6 | 1090.4 | 1124.6 | 1118.9 | 1130.3 | 1079.0 | 1039.0 | 902.0 | 822.1 | 759.3 |
| 80° | 685.1 | 713.6 | 765.0 | 787.8 | 793.5 | 810.6 | 747.8 | 713.6 | 633.7 | 542.3 | 513.8 |
| 82.5° | 496.7 | 513.8 | 519.5 | 548.0 | 548.0 | 519.5 | 502.4 | 468.1 | 411.0 | 353.9 | 331.1 |
| 85° | 205.5 | 211.2 | 216.9 | 251.2 | 256.9 | 308.3 | 285.4 | 268.3 | 234.1 | 199.8 | 182.7 |
| 87.5° | 51.4 | 57.1 | 74.2 | 62.8 | 74.2 | 74.2 | 79.9 | 91.3 | 91.3 | 74.2 | 74.2 |
| 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: GLAN-SA8C-735-U-SLR-GRSWH

CANDELA DISTRIBUTION (continued):

| | 185° | 195° | 205° | 215° | 225° | 235° | 245° | 255° | 265° | 270° | 275° |
|-------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 0° | 17480.2 | 17480.2 | 17480.2 | 17480.2 | 17480.2 | 17480.2 | 17480.2 | 17480.2 | 17480.2 | 17480.2 | 17480.2 |
| 2.5° | 15567.8 | 15613.4 | 16195.7 | 16269.9 | 16555.4 | 16846.5 | 17434.5 | 17857.0 | 18199.5 | 18422.1 | 18484.9 |
| 5° | 13175.8 | 13466.9 | 13735.3 | 14169.1 | 14563.0 | 15122.5 | 15767.6 | 16566.8 | 17571.5 | 18085.3 | 18290.8 |
| 7.5° | 10315.7 | 10658.2 | 11046.4 | 11468.9 | 12045.5 | 13050.2 | 13912.2 | 14837.0 | 16121.5 | 16652.4 | 17457.4 |
| 10° | 8420.4 | 8802.9 | 9316.7 | 9642.1 | 10338.5 | 11297.6 | 12302.4 | 13369.9 | 14597.3 | 15362.2 | 16292.8 |
| 12.5° | 7444.2 | 7758.2 | 8232.0 | 8917.1 | 9436.6 | 10058.8 | 10806.7 | 12153.9 | 13912.2 | 14637.2 | 15276.6 |
| 15° | 6365.3 | 6713.5 | 7261.5 | 8020.8 | 8643.0 | 9385.2 | 10224.4 | 11691.5 | 13564.0 | 14682.9 | 15225.2 |
| 17.5° | 5474.7 | 5725.9 | 6302.5 | 6959.0 | 7672.6 | 8483.2 | 9687.7 | 11668.7 | 13929.4 | 15362.2 | 16247.1 |
| 20° | 4858.1 | 4892.4 | 5206.4 | 5765.8 | 6736.3 | 7792.4 | 9356.6 | 11554.5 | 15099.6 | 16532.5 | 17651.5 |
| 22.5° | 4470.0 | 4435.7 | 4441.4 | 4915.2 | 5594.6 | 7113.1 | 8837.1 | 11942.7 | 16429.8 | 18393.6 | 19147.1 |
| 25° | 4275.9 | 4184.5 | 4127.4 | 4230.2 | 4846.7 | 6308.2 | 8443.2 | 12456.5 | 17862.7 | 19929.2 | 20854.1 |
| 27.5° | 4173.1 | 4013.3 | 3899.1 | 3916.2 | 4367.2 | 5902.8 | 8197.8 | 12679.1 | 19284.2 | 22070.0 | 22395.4 |
| 30° | 4133.1 | 3933.3 | 3767.8 | 3710.7 | 4007.5 | 5337.7 | 7672.6 | 13061.6 | 20557.2 | 23246.0 | 23525.8 |
| 32.5° | 3990.4 | 3744.9 | 3585.1 | 3533.7 | 3653.6 | 4841.0 | 7295.8 | 13335.6 | 21681.8 | 24524.8 | 24427.7 |
| 35° | 3824.9 | 3619.3 | 3419.5 | 3322.5 | 3408.1 | 4521.3 | 6993.2 | 13204.3 | 23006.3 | 25518.1 | 25466.7 |
| 37.5° | 3807.7 | 3539.4 | 3373.9 | 3214.0 | 3208.3 | 4127.4 | 6582.2 | 13329.9 | 23851.2 | 27299.2 | 26597.1 |
| 40° | 3659.3 | 3488.0 | 3271.1 | 3139.8 | 3065.6 | 3927.6 | 6182.6 | 13033.1 | 25090.0 | 28018.5 | 27327.8 |
| 42.5° | 3665.0 | 3408.1 | 3219.7 | 3065.6 | 2991.4 | 3636.5 | 5908.6 | 12953.2 | 25523.8 | 29188.8 | 27670.3 |
| 45° | 3573.7 | 3322.5 | 3162.6 | 2980.0 | 2940.0 | 3413.8 | 5646.0 | 12582.1 | 26288.8 | 29245.9 | 27242.2 |
| 47.5° | 3482.3 | 3259.7 | 3088.4 | 2871.5 | 2780.2 | 3333.9 | 5440.4 | 12273.8 | 25889.2 | 28709.3 | 26648.4 |
| 50° | 3419.5 | 3162.6 | 3002.8 | 2848.7 | 2591.8 | 3196.9 | 5172.1 | 12199.6 | 25329.7 | 27984.3 | 25546.7 |
| 52.5° | 3311.1 | 3082.7 | 2917.2 | 2797.3 | 2386.3 | 3071.3 | 5069.4 | 12633.5 | 26014.8 | 27442.0 | 25227.0 |
| 55° | 3208.3 | 2974.3 | 2763.0 | 2529.0 | 2215.0 | 2740.2 | 4783.9 | 13038.8 | 27013.8 | 28692.2 | 26677.0 |
| 57.5° | 3099.9 | 2877.2 | 2648.9 | 2369.1 | 2049.4 | 2397.7 | 4487.1 | 13113.0 | 25141.3 | 26517.1 | 25324.0 |
| 60° | 2957.1 | 2671.7 | 2500.4 | 2135.1 | 1872.5 | 1986.6 | 3556.6 | 11560.2 | 19501.1 | 22144.2 | 22184.2 |
| 62.5° | 2797.3 | 2489.0 | 2340.6 | 1912.4 | 1689.8 | 1712.6 | 2900.0 | 9716.3 | 15818.9 | 18330.8 | 19421.2 |
| 65° | 2586.1 | 2289.2 | 2112.2 | 1769.7 | 1558.5 | 1484.3 | 2123.7 | 7118.8 | 12016.9 | 14871.3 | 16110.1 |
| 67.5° | 2312.0 | 2032.3 | 1809.7 | 1541.4 | 1392.9 | 1273.1 | 1450.0 | 4007.5 | 7096.0 | 9984.6 | 10361.4 |
| 70° | 2020.9 | 1781.1 | 1547.1 | 1324.4 | 1158.9 | 1073.2 | 1061.8 | 1775.4 | 3391.0 | 5371.9 | 6114.1 |
| 72.5° | 1592.7 | 1421.5 | 1233.1 | 1067.5 | 959.1 | 833.5 | 759.3 | 736.4 | 1147.5 | 2186.5 | 3019.9 |
| 75° | 1141.8 | 999.0 | 890.6 | 782.1 | 702.2 | 633.7 | 576.6 | 525.2 | 479.5 | 548.0 | 753.6 |
| 77.5° | 719.3 | 667.9 | 582.3 | 553.7 | 508.1 | 491.0 | 468.1 | 439.6 | 405.3 | 382.5 | 382.5 |
| 80° | 485.2 | 451.0 | 422.4 | 416.7 | 399.6 | 393.9 | 399.6 | 371.1 | 336.8 | 308.3 | 319.7 |
| 82.5° | 325.4 | 319.7 | 314.0 | 308.3 | 314.0 | 319.7 | 331.1 | 325.4 | 296.9 | 279.7 | 285.4 |
| 85° | 194.1 | 205.5 | 216.9 | 228.4 | 251.2 | 222.6 | 182.7 | 154.1 | 137.0 | 125.6 | 119.9 |
| 87.5° | 74.2 | 102.8 | 91.3 | 85.6 | 91.3 | 85.6 | 79.9 | 74.2 | 62.8 | 57.1 | 57.1 |
| 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° | 17480.2 | 17480.2 | 17480.2 | 17480.2 | 17480.2 | 17480.2 | 17480.2 | 17480.2 | 17480.2 | 17480.2 |
| 2.5° | 18901.7 | 19015.8 | 19112.9 | 19090.1 | 18890.3 | 18621.9 | 18513.5 | 17959.7 | 17845.6 | 17771.3 |
| 5° | 19158.6 | 19820.8 | 19963.5 | 19877.9 | 19358.4 | 18701.9 | 18062.5 | 17251.8 | 16778.0 | 16760.9 |
| 7.5° | 18684.7 | 19501.1 | 19758.0 | 19952.1 | 19261.3 | 18119.6 | 17023.5 | 15807.5 | 15510.7 | 15533.5 |
| 10° | 17480.2 | 18781.8 | 19415.5 | 19615.3 | 18821.7 | 17834.1 | 16315.6 | 15082.5 | 14448.8 | 14437.4 |
| 12.5° | 16812.3 | 17834.1 | 18011.1 | 18290.8 | 18056.8 | 17057.7 | 15904.6 | 14523.1 | 13906.5 | 13895.1 |
| 15° | 16218.6 | 16892.2 | 16943.6 | 17337.5 | 17463.1 | 16789.4 | 16013.0 | 14540.2 | 14043.5 | 13992.1 |
| 17.5° | 16738.1 | 16269.9 | 16075.8 | 16127.2 | 16498.3 | 16743.8 | 16641.0 | 15510.7 | 15002.6 | 14717.2 |
| 20° | 17086.3 | 16041.6 | 15453.6 | 15510.7 | 15950.2 | 16846.5 | 17577.2 | 16915.0 | 16110.1 | 16144.3 |
| 22.5° | 18016.8 | 16075.8 | 15156.7 | 15093.9 | 15790.4 | 17383.1 | 18633.4 | 18690.4 | 17914.1 | 17725.7 |
| 25° | 19409.8 | 16469.7 | 15065.4 | 15048.3 | 15716.2 | 17959.7 | 19866.5 | 20791.3 | 19997.8 | 19649.5 |
| 27.5° | 20528.7 | 17086.3 | 15350.8 | 15407.9 | 15950.2 | 18427.8 | 20916.9 | 22144.2 | 21539.1 | 21111.0 |
| 30° | 21510.6 | 17725.7 | 15750.4 | 15487.8 | 16578.2 | 18673.3 | 21367.9 | 23685.6 | 23200.4 | 22846.4 |
| 32.5° | 21915.9 | 18633.4 | 16384.1 | 15950.2 | 17097.7 | 18970.2 | 22304.1 | 25181.3 | 24764.6 | 23891.1 |
| 35° | 22600.9 | 19141.4 | 16726.6 | 16692.4 | 18005.4 | 19683.8 | 22743.7 | 26168.9 | 25997.6 | 25221.3 |
| 37.5° | 23149.0 | 19655.2 | 17942.6 | 17565.8 | 19249.9 | 20882.6 | 23451.5 | 27533.3 | 27139.4 | 26774.0 |
| 40° | 23571.4 | 20574.3 | 19078.6 | 19575.3 | 20779.9 | 21973.0 | 24102.3 | 27618.9 | 28755.0 | 27693.1 |
| 42.5° | 23183.2 | 21396.4 | 20945.4 | 22132.8 | 23274.6 | 23217.5 | 24176.6 | 28281.1 | 29131.8 | 28578.0 |
| 45° | 23086.2 | 22789.3 | 23896.8 | 24975.8 | 25238.4 | 24250.8 | 23645.6 | 27550.4 | 29017.6 | 28772.1 |
| 47.5° | 22852.1 | 24159.4 | 26089.0 | 27847.3 | 27447.7 | 24941.5 | 23012.0 | 27419.1 | 29086.1 | 28646.5 |
| 50° | 22772.2 | 24456.3 | 27710.3 | 29422.9 | 29183.1 | 25540.9 | 22715.1 | 26574.2 | 28600.8 | 28560.9 |
| 52.5° | 22766.5 | 25067.1 | 28383.9 | 30279.2 | 30427.6 | 26488.6 | 23120.4 | 27002.4 | 28977.6 | 29314.4 |
| 55° | 23023.4 | 24873.0 | 28298.3 | 29805.4 | 29748.3 | 26066.2 | 23166.1 | 27287.8 | 29440.0 | 29771.1 |
| 57.5° | 21716.1 | 22281.3 | 23354.5 | 24547.6 | 24239.4 | 21590.5 | 20688.5 | 25227.0 | 27019.5 | 26779.7 |
| 60° | 18753.2 | 16983.5 | 15773.3 | 15716.2 | 15116.8 | 14289.0 | 16932.2 | 22515.3 | 22515.3 | 22281.3 |
| 62.5° | 16424.1 | 11149.2 | 9579.3 | 9134.0 | 9562.2 | 10515.5 | 16332.7 | 21898.8 | 21276.5 | 21008.2 |
| 65° | 14363.2 | 8511.7 | 6924.7 | 6799.1 | 7541.3 | 8979.9 | 14768.5 | 18656.2 | 17560.1 | 16669.6 |
| 67.5° | 9242.5 | 6234.0 | 5149.3 | 4926.7 | 5822.9 | 6593.6 | 9830.5 | 11474.6 | 10783.8 | 10435.6 |
| 70° | 5959.9 | 4058.9 | 2865.8 | 2688.8 | 3037.1 | 4064.6 | 6279.6 | 6690.7 | 5685.9 | 5451.9 |
| 72.5° | 2820.1 | 1752.6 | 1004.7 | 827.8 | 930.5 | 1552.8 | 2483.3 | 2671.7 | 2220.7 | 2032.3 |
| 75° | 896.3 | 645.1 | 411.0 | 353.9 | 336.8 | 399.6 | 570.9 | 439.6 | 319.7 | 314.0 |
| 77.5° | 399.6 | 382.5 | 325.4 | 274.0 | 239.8 | 199.8 | 165.6 | 137.0 | 142.7 | 148.4 |
| 80° | 331.1 | 302.6 | 268.3 | 239.8 | 199.8 | 154.1 | 119.9 | 91.3 | 91.3 | 97.0 |
| 82.5° | 291.1 | 262.6 | 234.1 | 199.8 | 171.3 | 125.6 | 91.3 | 62.8 | 57.1 | 57.1 |
| 85° | 125.6 | 148.4 | 159.8 | 171.3 | 137.0 | 102.8 | 62.8 | 40.0 | 34.3 | 34.3 |
| 87.5° | 51.4 | 45.7 | 40.0 | 34.3 | 28.5 | 28.5 | 22.8 | 17.1 | 11.4 | 11.4 |
| 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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