

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: P452464

Luminaire Tested: **GLAN-SA3B-830-U-SLL-HSS**

Issue Date: 1/4/2021

Test Information

Test Method: LM-79-08
Report Number: P452464
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-042-21)
Test Lab: INNOVATION CENTER
Issue Date: 1/4/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SA3B-830-U-SLL-HSS
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(3) 80 CRI, 3000K, 800mA LIGHTSQUARES WITH 16 LEDS EACH AND SPILL LIGHT
ELIMINATOR LEFT OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 9694 lumens
Efficiency: N/A
Efficacy: 80.1 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type III - Short
BUG Rating: B1 - U0 - G2

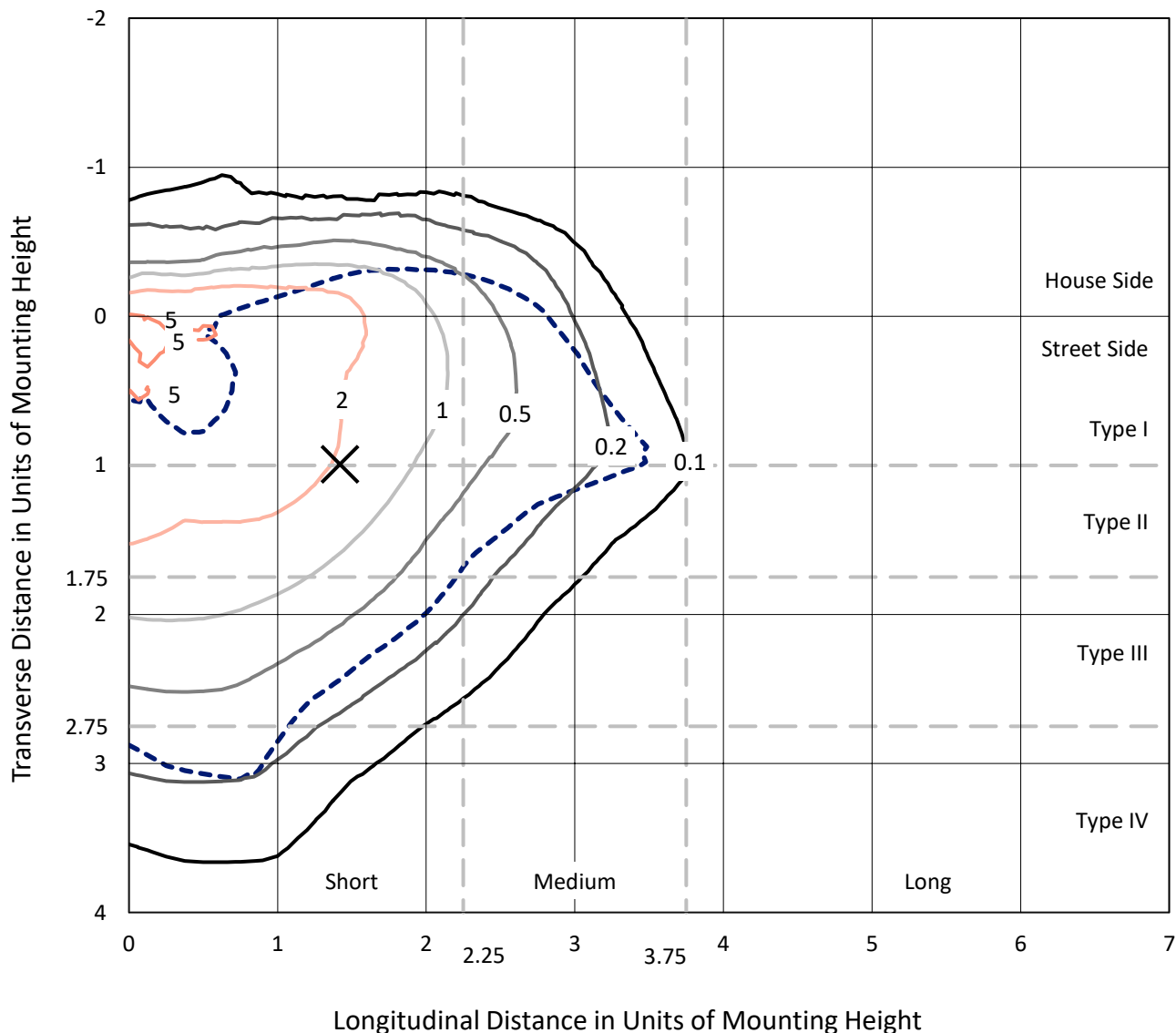
Input Watts (W): 121
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P452464
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Iso-Footcandle Lines of Horizontal Illumination

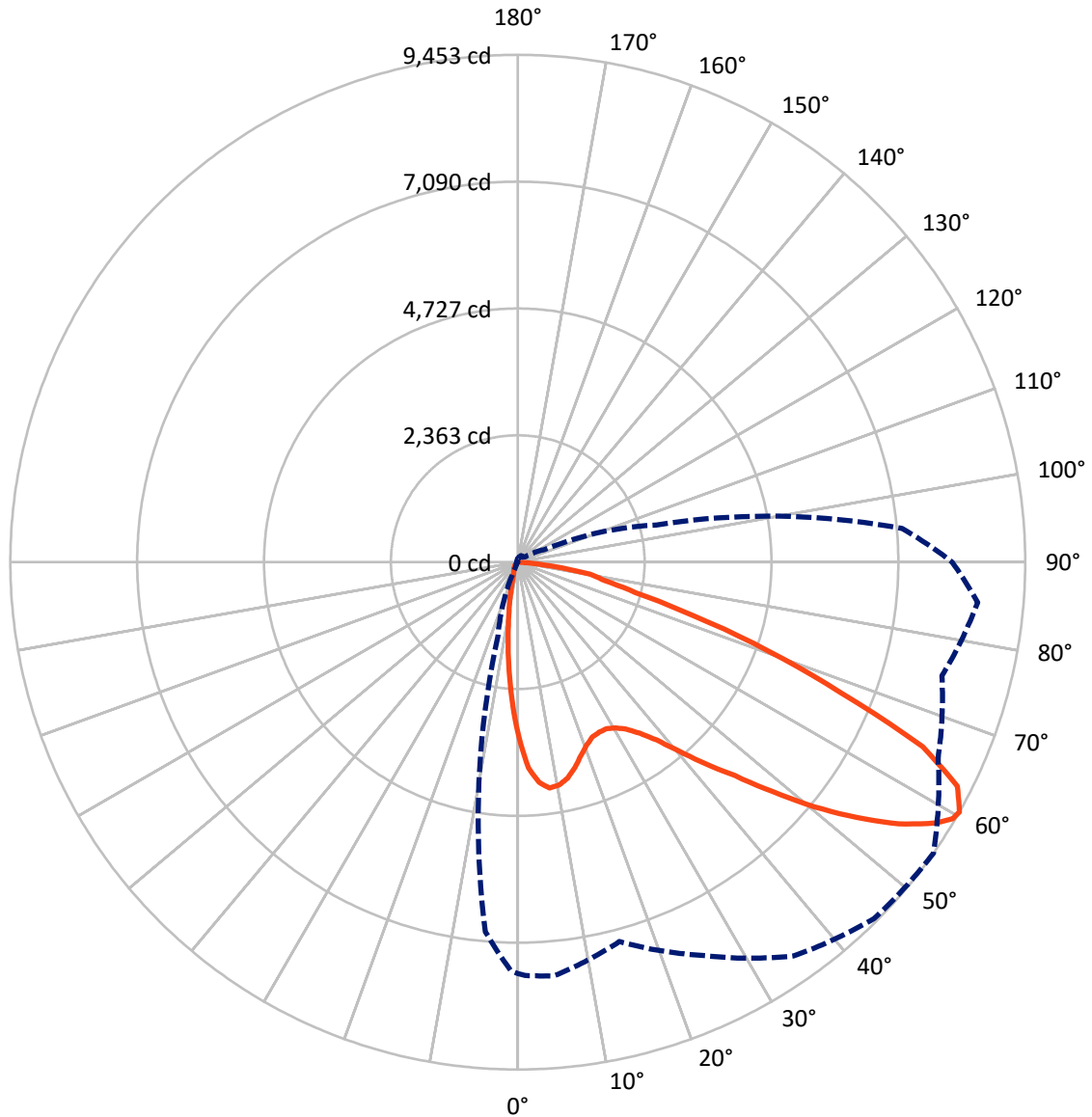
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6.8 fc
 Type III - Short - N/A

REPORT NUMBER: P452464
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Luminous Intensity Polar Plot



— Vertical Plane Through 55-Deg Lateral - - - Horizontal Cone Through 60-Deg Vertical

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FLUX DISTRIBUTION:

| | | Downward | Upward | Total |
|--------------------|-----------|----------|--------|--------|
| House Side | Lumens | 1438.7 | 0.0 | 1438.7 |
| | % Fixture | 14.8 | 0.0 | 14.8 |
| Street Side | Lumens | 8255.3 | 0.0 | 8255.3 |
| | % Fixture | 85.2 | 0.0 | 85.2 |
| Total | Lumens | 9694.0 | 0.0 | 9694.0 |
| | % Fixture | 100.0 | 0.0 | 100.0 |

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 243.1 | 2.5 |
| 10°-20° | 478.6 | 4.9 |
| 20°-30° | 708.5 | 7.3 |
| 30°-40° | 1056.1 | 10.9 |
| 40°-50° | 1546.6 | 16.0 |
| 50°-60° | 2232.8 | 23.0 |
| 60°-70° | 2348.8 | 24.2 |
| 70°-80° | 966.2 | 10.0 |
| 80°-90° | 113.2 | 1.2 |
| 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° | 9694.0 | 100.0 |
| 0°-180° | 9694.0 | 100.0 |

Coefficient of Utilization



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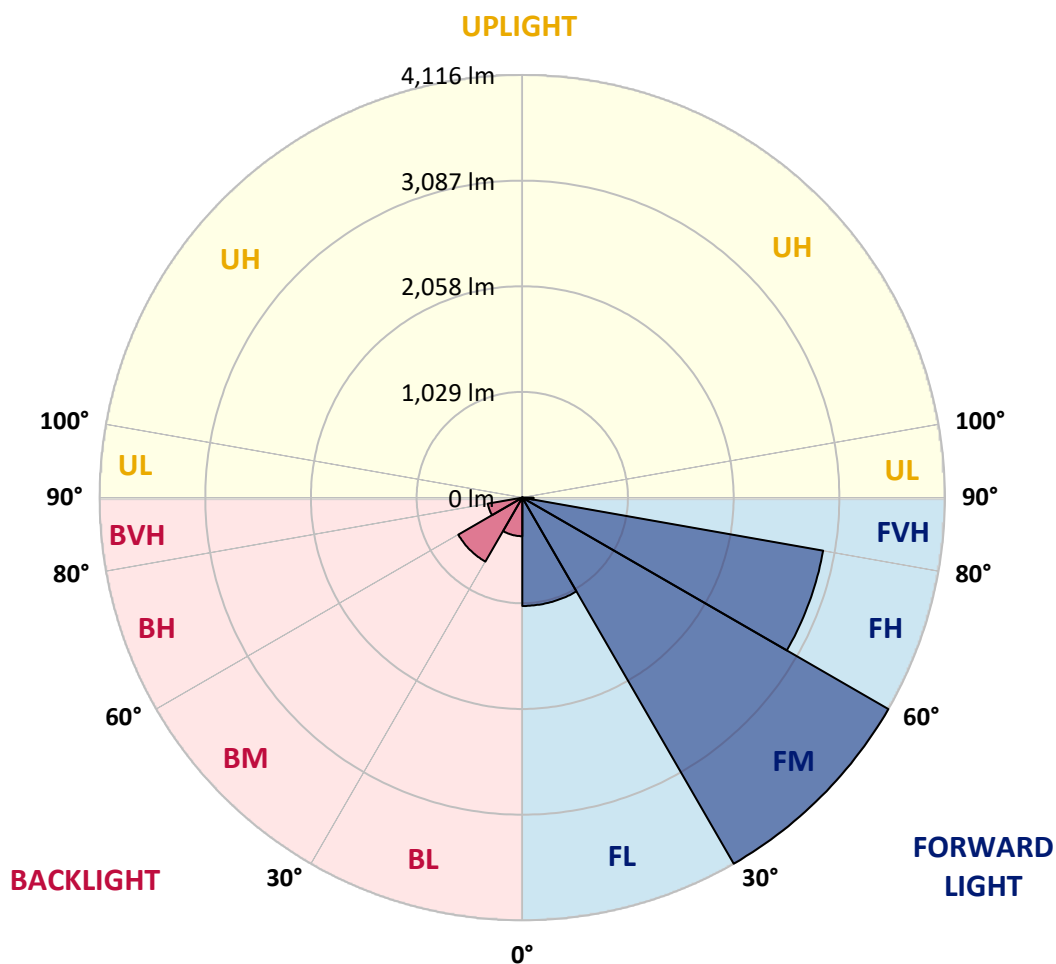
CATALOG NUMBER: GLAN-SA3B-830-U-SLL-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

| Zone | Lumens | % Fixture | Zone Rating/Lumen Limit | | |
|----------------|--------|-----------|-------------------------|------|---------|
| | | | B | U | G |
| FL (0°-30°) | 1054.8 | 10.9 | | | |
| FM (30°-60°) | 4116.1 | 42.5 | | | |
| FH (60°-80°) | 2974.6 | 30.7 | | | G2/5000 |
| FVH (80°-90°) | 109.8 | 1.1 | | | G2/225 |
| BL (0°-30°) | 375.4 | 3.9 | B1/500 | | |
| BM (30°-60°) | 719.5 | 7.4 | B1/1000 | | |
| BH (60°-80°) | 340.5 | 3.5 | B1/500 | | G1/500 |
| BVH (80°-90°) | 3.3 | 0.0 | | | G0/10 |
| UL (90°-100°) | 0.0 | 0.0 | | U0/0 | |
| UH (100°-180°) | 0.0 | 0.0 | | U0/0 | |

BUG Rating: B1-U0-G2

Type III Short





REPORT NUMBER: P452464

CATALOG NUMBER: GLAN-SA3B-830-U-SLL-HSS

CANDELA DISTRIBUTION (FULL):

| | 0° | 1° | 5° | 15° | 25° | 35° | 45° | 55° | 65° | 75° | 85° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 3282.4 | 3282.4 | 3282.4 | 3282.4 | 3282.4 | 3282.4 | 3282.4 | 3282.4 | 3282.4 | 3282.4 | 3282.4 |
| 2.5° | 3586.0 | 3580.1 | 3633.1 | 3719.6 | 3806.9 | 3852.4 | 3843.5 | 3839.7 | 3767.4 | 3714.4 | 3603.2 |
| 5° | 3578.6 | 3609.2 | 3703.9 | 3938.2 | 4115.8 | 4201.6 | 4227.0 | 4120.3 | 3979.3 | 3774.8 | 3522.6 |
| 7.5° | 3364.4 | 3402.5 | 3556.9 | 3923.3 | 4238.9 | 4425.5 | 4418.8 | 4247.9 | 3956.9 | 3640.5 | 3280.9 |
| 10° | 3098.8 | 3143.6 | 3324.9 | 3769.6 | 4179.2 | 4425.5 | 4438.9 | 4222.5 | 3860.6 | 3454.7 | 3076.4 |
| 12.5° | 2911.5 | 2964.5 | 3165.2 | 3626.3 | 4025.5 | 4268.0 | 4283.7 | 4127.0 | 3788.3 | 3383.1 | 2965.2 |
| 15° | 2848.1 | 2898.1 | 3101.8 | 3554.0 | 3862.1 | 3992.7 | 3989.0 | 3972.6 | 3759.9 | 3400.3 | 2971.2 |
| 17.5° | 2957.0 | 2998.1 | 3227.9 | 3586.8 | 3709.2 | 3695.7 | 3715.1 | 3794.2 | 3765.9 | 3544.3 | 3159.2 |
| 20° | 3238.3 | 3280.1 | 3527.1 | 3687.5 | 3592.0 | 3507.0 | 3515.9 | 3648.0 | 3821.1 | 3815.1 | 3453.2 |
| 22.5° | 3625.6 | 3696.5 | 3920.3 | 3883.0 | 3576.3 | 3389.8 | 3371.2 | 3542.8 | 3915.1 | 4127.0 | 3850.2 |
| 25° | 4115.8 | 4187.5 | 4362.1 | 4194.9 | 3653.2 | 3362.2 | 3345.0 | 3510.7 | 4029.3 | 4431.4 | 4297.1 |
| 27.5° | 4527.7 | 4582.2 | 4756.0 | 4498.6 | 3766.6 | 3374.1 | 3345.8 | 3515.2 | 4121.8 | 4690.4 | 4674.0 |
| 30° | 4857.5 | 4897.8 | 5000.0 | 4640.4 | 3864.4 | 3426.4 | 3393.5 | 3580.8 | 4162.8 | 4816.5 | 4979.1 |
| 32.5° | 5123.1 | 5191.0 | 5223.1 | 4791.8 | 4004.6 | 3524.9 | 3468.9 | 3706.9 | 4262.8 | 4972.4 | 5299.2 |
| 35° | 5426.8 | 5505.2 | 5464.1 | 4936.6 | 4189.7 | 3678.6 | 3609.9 | 3911.4 | 4414.3 | 5116.4 | 5670.8 |
| 37.5° | 5811.8 | 5902.1 | 5741.7 | 5088.8 | 4385.2 | 3909.9 | 3877.8 | 4198.6 | 4644.1 | 5322.4 | 6069.3 |
| 40° | 6210.3 | 6262.5 | 6011.1 | 5273.9 | 4625.5 | 4246.4 | 4277.0 | 4625.5 | 4944.8 | 5569.3 | 6493.1 |
| 42.5° | 6521.4 | 6570.7 | 6287.9 | 5429.1 | 4870.9 | 4645.6 | 4773.2 | 5140.3 | 5289.5 | 5822.3 | 6809.5 |
| 45° | 6759.5 | 6801.3 | 6479.7 | 5598.4 | 5202.2 | 5223.9 | 5464.9 | 5670.8 | 5635.0 | 5976.7 | 7053.5 |
| 47.5° | 6944.5 | 6980.3 | 6627.4 | 5780.5 | 5698.4 | 5931.2 | 6299.8 | 6387.1 | 5993.2 | 6143.9 | 7274.3 |
| 50° | 7020.6 | 7031.1 | 6673.7 | 6012.6 | 6261.8 | 6832.6 | 7216.9 | 7163.9 | 6403.6 | 6329.7 | 7509.4 |
| 52.5° | 7119.9 | 7117.6 | 6805.7 | 6233.4 | 6791.6 | 7638.4 | 8022.0 | 7901.8 | 6867.7 | 6608.0 | 7773.5 |
| 55° | 7380.3 | 7383.3 | 7088.5 | 6546.8 | 7243.0 | 8289.1 | 8699.5 | 8612.2 | 7357.1 | 7078.1 | 8081.7 |
| 57.5° | 7696.6 | 7707.8 | 7490.7 | 6913.2 | 7674.3 | 8760.7 | 9205.4 | 9171.8 | 8019.0 | 7601.1 | 8372.7 |
| 59° | 7737.7 | 7760.1 | 7681.0 | 7171.4 | 7930.2 | 8905.4 | 9378.5 | 9411.3 | 8373.4 | 7945.9 | 8530.1 |
| 60° | 7663.1 | 7700.4 | 7736.2 | 7317.6 | 8080.2 | 8957.7 | 9388.9 | 9453.1 | 8639.8 | 8180.2 | 8601.7 |
| 62.5° | 7337.7 | 7396.7 | 7576.5 | 7767.5 | 8267.5 | 8795.0 | 9055.4 | 9189.7 | 8969.6 | 8795.7 | 8608.5 |
| 65° | 6911.7 | 6942.3 | 7201.9 | 7847.4 | 7904.1 | 8035.4 | 8116.0 | 8288.4 | 8573.4 | 9033.0 | 8300.3 |
| 67.5° | 6213.3 | 6303.6 | 6621.4 | 7384.0 | 6831.8 | 6676.6 | 6656.5 | 6484.9 | 7225.1 | 8467.4 | 7540.7 |
| 70° | 5132.8 | 5173.1 | 5564.9 | 6053.6 | 5156.0 | 4917.2 | 5012.7 | 4948.5 | 5600.7 | 7289.2 | 6069.3 |
| 72.5° | 3881.5 | 3972.6 | 4355.3 | 4825.4 | 3508.4 | 3198.8 | 3462.2 | 3438.3 | 4206.9 | 5858.1 | 4169.5 |
| 75° | 2761.5 | 2820.5 | 3308.5 | 3776.3 | 2457.1 | 2081.8 | 2176.6 | 2265.3 | 2936.9 | 4625.5 | 2463.8 |
| 77.5° | 1897.5 | 1948.2 | 2314.6 | 2497.4 | 1792.3 | 1716.9 | 1570.7 | 1656.5 | 1924.3 | 2744.4 | 1340.9 |
| 80° | 1144.6 | 1142.4 | 1383.4 | 1428.2 | 1248.3 | 1449.8 | 1216.2 | 1365.5 | 1163.3 | 1174.5 | 519.3 |
| 82.5° | 743.2 | 735.7 | 846.1 | 922.3 | 694.7 | 730.5 | 490.2 | 706.6 | 758.1 | 327.6 | 164.2 |
| 85° | 332.8 | 347.0 | 406.7 | 536.5 | 304.4 | 161.9 | 100.0 | 217.1 | 323.1 | 164.9 | 0.0 |
| 87.5° | 34.3 | 26.9 | 71.6 | 130.6 | 41.8 | 4.5 | 14.9 | 7.5 | 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 |



REPORT NUMBER: P452464

CATALOG NUMBER: GLAN-SA3B-830-U-SLL-HSS

CANDELA DISTRIBUTION (continued):

| | 90° | 95° | 105° | 115° | 125° | 135° | 145° | 155° | 165° | 175° | 180° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 3282.4 | 3282.4 | 3282.4 | 3282.4 | 3282.4 | 3282.4 | 3282.4 | 3282.4 | 3282.4 | 3282.4 | 3282.4 |
| 2.5° | 3551.7 | 3508.4 | 3379.4 | 3258.5 | 3154.8 | 3027.9 | 2945.8 | 2816.8 | 2738.4 | 2714.5 | 2718.3 |
| 5° | 3409.2 | 3284.6 | 3039.1 | 2842.9 | 2624.2 | 2499.6 | 2310.1 | 2128.1 | 2029.6 | 1993.0 | 1976.6 |
| 7.5° | 3110.7 | 2977.2 | 2681.0 | 2372.8 | 2138.5 | 1919.9 | 1778.8 | 1618.4 | 1508.7 | 1418.5 | 1402.8 |
| 10° | 2889.1 | 2713.8 | 2346.7 | 2015.4 | 1830.3 | 1666.2 | 1525.2 | 1364.7 | 1235.6 | 1132.7 | 1104.3 |
| 12.5° | 2756.3 | 2560.1 | 2150.4 | 1872.9 | 1697.5 | 1528.9 | 1345.3 | 1159.5 | 1027.5 | 916.3 | 864.8 |
| 15° | 2732.4 | 2504.9 | 2095.2 | 1770.6 | 1554.3 | 1350.6 | 1106.6 | 905.8 | 770.0 | 664.8 | 632.7 |
| 17.5° | 2876.5 | 2604.1 | 2087.0 | 1663.9 | 1367.0 | 1078.2 | 824.5 | 658.1 | 505.2 | 446.2 | 423.1 |
| 20° | 3133.1 | 2779.4 | 2086.3 | 1540.1 | 1174.5 | 830.5 | 579.0 | 429.0 | 367.1 | 338.8 | 325.3 |
| 22.5° | 3483.1 | 3018.2 | 2125.8 | 1433.4 | 974.5 | 612.6 | 413.4 | 341.7 | 305.9 | 282.8 | 277.6 |
| 25° | 3910.6 | 3371.9 | 2222.8 | 1361.0 | 821.5 | 480.5 | 341.0 | 292.5 | 262.6 | 252.2 | 247.7 |
| 27.5° | 4290.4 | 3710.7 | 2329.5 | 1286.4 | 711.8 | 425.3 | 316.4 | 267.9 | 244.0 | 235.8 | 229.1 |
| 30° | 4618.0 | 4018.1 | 2381.0 | 1187.9 | 623.8 | 389.5 | 320.8 | 286.5 | 255.2 | 230.6 | 219.4 |
| 32.5° | 4891.1 | 4253.9 | 2414.6 | 1098.3 | 549.2 | 318.6 | 253.7 | 221.6 | 207.4 | 198.5 | 191.0 |
| 35° | 5232.8 | 4509.1 | 2394.4 | 1047.6 | 511.1 | 290.3 | 231.3 | 191.0 | 167.1 | 149.2 | 141.8 |
| 37.5° | 5591.0 | 4764.2 | 2359.4 | 1005.8 | 494.0 | 269.4 | 220.1 | 181.3 | 155.2 | 136.5 | 126.8 |
| 40° | 5961.8 | 5000.8 | 2318.3 | 967.0 | 478.3 | 255.9 | 213.4 | 173.1 | 147.0 | 126.8 | 116.4 |
| 42.5° | 6301.3 | 5231.3 | 2301.9 | 941.7 | 452.9 | 258.2 | 208.2 | 169.4 | 138.8 | 117.9 | 108.9 |
| 45° | 6575.9 | 5450.0 | 2324.3 | 928.2 | 425.3 | 254.4 | 209.7 | 164.9 | 132.1 | 111.9 | 103.0 |
| 47.5° | 6869.2 | 5758.9 | 2396.7 | 914.8 | 398.4 | 236.5 | 220.9 | 164.2 | 129.1 | 108.2 | 98.5 |
| 50° | 7210.2 | 6154.3 | 2562.3 | 882.0 | 365.6 | 217.1 | 235.0 | 163.4 | 125.4 | 103.7 | 94.0 |
| 52.5° | 7664.6 | 6603.5 | 2733.2 | 824.5 | 317.9 | 198.5 | 224.6 | 161.2 | 117.9 | 98.5 | 88.8 |
| 55° | 8072.7 | 7076.6 | 2877.9 | 756.6 | 257.4 | 171.6 | 202.2 | 151.5 | 105.2 | 89.5 | 80.6 |
| 57.5° | 8241.3 | 7343.7 | 2873.5 | 662.6 | 205.9 | 150.7 | 166.4 | 138.8 | 91.8 | 79.1 | 71.6 |
| 59° | 8179.4 | 7310.1 | 2777.2 | 593.2 | 188.0 | 139.5 | 138.0 | 137.3 | 85.8 | 71.6 | 65.7 |
| 60° | 8092.1 | 7187.8 | 2673.5 | 558.9 | 176.8 | 132.1 | 126.8 | 135.8 | 80.6 | 67.2 | 61.2 |
| 62.5° | 7757.8 | 6680.4 | 2329.5 | 500.7 | 161.9 | 111.9 | 101.5 | 114.9 | 71.6 | 58.2 | 53.0 |
| 65° | 7273.6 | 5900.6 | 1972.1 | 484.3 | 157.4 | 92.5 | 84.3 | 82.1 | 61.2 | 49.2 | 44.8 |
| 67.5° | 6328.9 | 4993.3 | 1597.5 | 473.1 | 158.9 | 77.6 | 73.9 | 61.9 | 50.7 | 41.0 | 38.1 |
| 70° | 5067.2 | 3893.5 | 1308.0 | 460.4 | 160.4 | 63.4 | 61.9 | 49.2 | 41.0 | 34.3 | 31.3 |
| 72.5° | 3078.7 | 2307.9 | 1029.7 | 399.9 | 155.9 | 50.7 | 55.2 | 37.3 | 29.8 | 24.6 | 23.1 |
| 75° | 1903.5 | 1579.6 | 638.7 | 311.1 | 103.0 | 37.3 | 38.8 | 23.1 | 20.1 | 15.7 | 15.7 |
| 77.5° | 1102.8 | 997.6 | 228.3 | 111.9 | 45.5 | 22.4 | 17.2 | 11.9 | 11.2 | 6.7 | 6.7 |
| 80° | 457.4 | 366.4 | 79.1 | 38.1 | 24.6 | 10.4 | 3.7 | 0.7 | 0.0 | 0.0 | 0.0 |
| 82.5° | 133.6 | 118.6 | 21.6 | 17.2 | 7.5 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 85° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 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 |



REPORT NUMBER: P452464

CATALOG NUMBER: GLAN-SA3B-830-U-SLL-HSS

CANDELA DISTRIBUTION (continued):

| | 185° | 195° | 205° | 215° | 225° | 235° | 245° | 255° | 265° | 270° | 275° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 3282.4 | 3282.4 | 3282.4 | 3282.4 | 3282.4 | 3282.4 | 3282.4 | 3282.4 | 3282.4 | 3282.4 | 3282.4 |
| 2.5° | 2654.8 | 2630.2 | 2619.0 | 2657.1 | 2622.0 | 2666.8 | 2632.5 | 2647.4 | 2691.4 | 2710.8 | 2760.8 |
| 5° | 1987.0 | 1961.7 | 1949.7 | 2007.2 | 2004.2 | 2032.5 | 2029.6 | 2055.7 | 2078.1 | 2028.1 | 2079.6 |
| 7.5° | 1384.1 | 1367.0 | 1395.3 | 1440.1 | 1487.8 | 1472.2 | 1472.2 | 1437.1 | 1449.0 | 1441.6 | 1439.3 |
| 10° | 1052.8 | 993.9 | 979.0 | 977.5 | 995.4 | 999.1 | 979.0 | 930.5 | 948.4 | 953.6 | 984.9 |
| 12.5° | 828.2 | 782.7 | 713.3 | 682.0 | 673.8 | 680.5 | 614.1 | 571.6 | 591.7 | 579.8 | 610.4 |
| 15° | 593.9 | 556.6 | 515.6 | 480.5 | 470.8 | 457.4 | 385.0 | 334.3 | 328.3 | 330.5 | 335.8 |
| 17.5° | 423.8 | 398.4 | 398.4 | 361.1 | 341.0 | 300.7 | 264.1 | 241.8 | 239.5 | 241.8 | 245.5 |
| 20° | 312.6 | 299.2 | 297.7 | 288.0 | 265.6 | 238.8 | 213.4 | 208.9 | 207.4 | 211.2 | 212.7 |
| 22.5° | 269.4 | 255.2 | 243.2 | 242.5 | 221.6 | 199.2 | 187.3 | 181.3 | 182.1 | 183.6 | 187.3 |
| 25° | 241.0 | 226.1 | 213.4 | 205.9 | 191.0 | 175.3 | 164.2 | 161.2 | 161.2 | 163.4 | 164.2 |
| 27.5° | 220.9 | 202.2 | 191.0 | 180.6 | 167.1 | 153.7 | 144.0 | 141.8 | 140.3 | 141.8 | 145.5 |
| 30° | 206.7 | 188.0 | 173.9 | 158.2 | 147.7 | 135.1 | 126.8 | 123.9 | 123.1 | 123.9 | 126.8 |
| 32.5° | 176.8 | 165.6 | 154.5 | 140.3 | 127.6 | 119.4 | 110.4 | 105.2 | 105.2 | 106.7 | 109.7 |
| 35° | 133.6 | 127.6 | 126.8 | 123.1 | 112.7 | 103.7 | 93.3 | 88.0 | 88.0 | 91.0 | 92.5 |
| 37.5° | 117.9 | 106.7 | 105.2 | 103.7 | 99.2 | 87.3 | 77.6 | 73.1 | 72.4 | 74.6 | 77.6 |
| 40° | 107.4 | 94.8 | 88.0 | 86.6 | 87.3 | 73.9 | 63.4 | 58.9 | 58.9 | 59.7 | 62.7 |
| 42.5° | 99.2 | 84.3 | 72.4 | 70.9 | 73.9 | 61.9 | 51.5 | 47.0 | 47.0 | 47.0 | 50.7 |
| 45° | 92.5 | 75.4 | 61.2 | 53.7 | 58.2 | 50.7 | 41.8 | 37.3 | 35.8 | 37.3 | 38.8 |
| 47.5° | 88.0 | 68.6 | 53.7 | 43.3 | 43.3 | 40.3 | 33.6 | 28.4 | 26.9 | 27.6 | 29.8 |
| 50° | 84.3 | 62.7 | 45.5 | 35.1 | 31.3 | 32.1 | 25.4 | 21.6 | 20.1 | 20.1 | 22.4 |
| 52.5° | 78.3 | 56.7 | 39.5 | 29.8 | 23.9 | 21.6 | 18.7 | 15.7 | 14.9 | 15.7 | 17.2 |
| 55° | 70.9 | 51.5 | 34.3 | 24.6 | 18.7 | 14.9 | 13.4 | 11.2 | 10.4 | 11.2 | 13.4 |
| 57.5° | 62.7 | 43.3 | 27.6 | 19.4 | 12.7 | 9.7 | 9.0 | 7.5 | 6.0 | 6.7 | 8.2 |
| 59° | 57.5 | 38.8 | 23.9 | 15.7 | 9.7 | 6.7 | 6.7 | 5.2 | 3.7 | 4.5 | 6.7 |
| 60° | 55.2 | 35.8 | 20.1 | 13.4 | 8.2 | 5.2 | 5.2 | 3.7 | 2.2 | 3.0 | 5.2 |
| 62.5° | 47.0 | 29.8 | 15.7 | 8.2 | 3.7 | 0.7 | 2.2 | 0.7 | 0.0 | 0.7 | 2.2 |
| 65° | 39.5 | 23.9 | 10.4 | 3.7 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.7 |
| 67.5° | 32.8 | 17.9 | 5.2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 70° | 26.1 | 11.9 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 72.5° | 17.9 | 6.7 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 75° | 11.2 | 2.2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 77.5° | 4.5 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 80° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 82.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 85° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 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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| 27.5° | 153.7 | 170.9 | 194.0 | 229.1 | 314.1 | 850.6 | 2298.2 | 3920.3 | 4420.3 | 4527.7 |
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| 32.5° | 117.9 | 131.3 | 153.0 | 174.6 | 214.9 | 499.9 | 2310.9 | 4515.8 | 5047.0 | 5123.1 |
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| 60° | 11.9 | 20.1 | 27.6 | 35.1 | 45.5 | 64.2 | 1422.2 | 6911.7 | 7605.6 | 7663.1 |
| 62.5° | 9.0 | 15.7 | 20.1 | 28.4 | 37.3 | 55.2 | 1249.1 | 6476.7 | 7297.5 | 7337.7 |
| 65° | 6.0 | 11.2 | 14.9 | 20.9 | 29.1 | 47.8 | 1017.8 | 5912.6 | 6821.4 | 6911.7 |
| 67.5° | 3.7 | 8.2 | 11.9 | 15.7 | 23.9 | 40.3 | 725.3 | 5070.2 | 6155.1 | 6213.3 |
| 70° | 2.2 | 5.2 | 9.0 | 12.7 | 18.7 | 32.1 | 430.5 | 4007.6 | 5120.9 | 5132.8 |
| 72.5° | 1.5 | 3.7 | 6.0 | 9.0 | 14.9 | 29.1 | 208.9 | 2612.3 | 3739.0 | 3881.5 |
| 75° | 0.7 | 2.2 | 3.7 | 6.7 | 11.9 | 23.9 | 100.0 | 1745.3 | 2720.5 | 2761.5 |
| 77.5° | 0.0 | 0.7 | 2.2 | 4.5 | 9.0 | 18.7 | 58.2 | 1146.1 | 1855.0 | 1897.5 |
| 80° | 0.0 | 0.0 | 1.5 | 3.7 | 6.7 | 11.9 | 35.1 | 676.0 | 1123.7 | 1144.6 |
| 82.5° | 0.0 | 0.0 | 0.7 | 3.0 | 4.5 | 9.0 | 17.9 | 297.0 | 735.7 | 743.2 |
| 85° | 0.0 | 0.0 | 0.7 | 3.0 | 3.7 | 6.0 | 6.7 | 40.3 | 326.8 | 332.8 |
| 87.5° | 0.0 | 0.0 | 0.7 | 3.7 | 3.7 | 3.7 | 3.7 | 2.2 | 27.6 | 34.3 |
| 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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