

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: P458757

Luminaire Tested: **GLAN-SA3A-735-U-SLL-HSS**

Issue Date: 1/4/2021

Test Information

Test Method: LM-79-08
Report Number: P458757
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-SA3A-735-U-SLL-HSS
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(3) 70 CRI, 3500K, 615mA 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: 9133 lumens
Efficiency: N/A
Efficacy: 98.2 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type III - Short
BUG Rating: B1 - U0 - G2

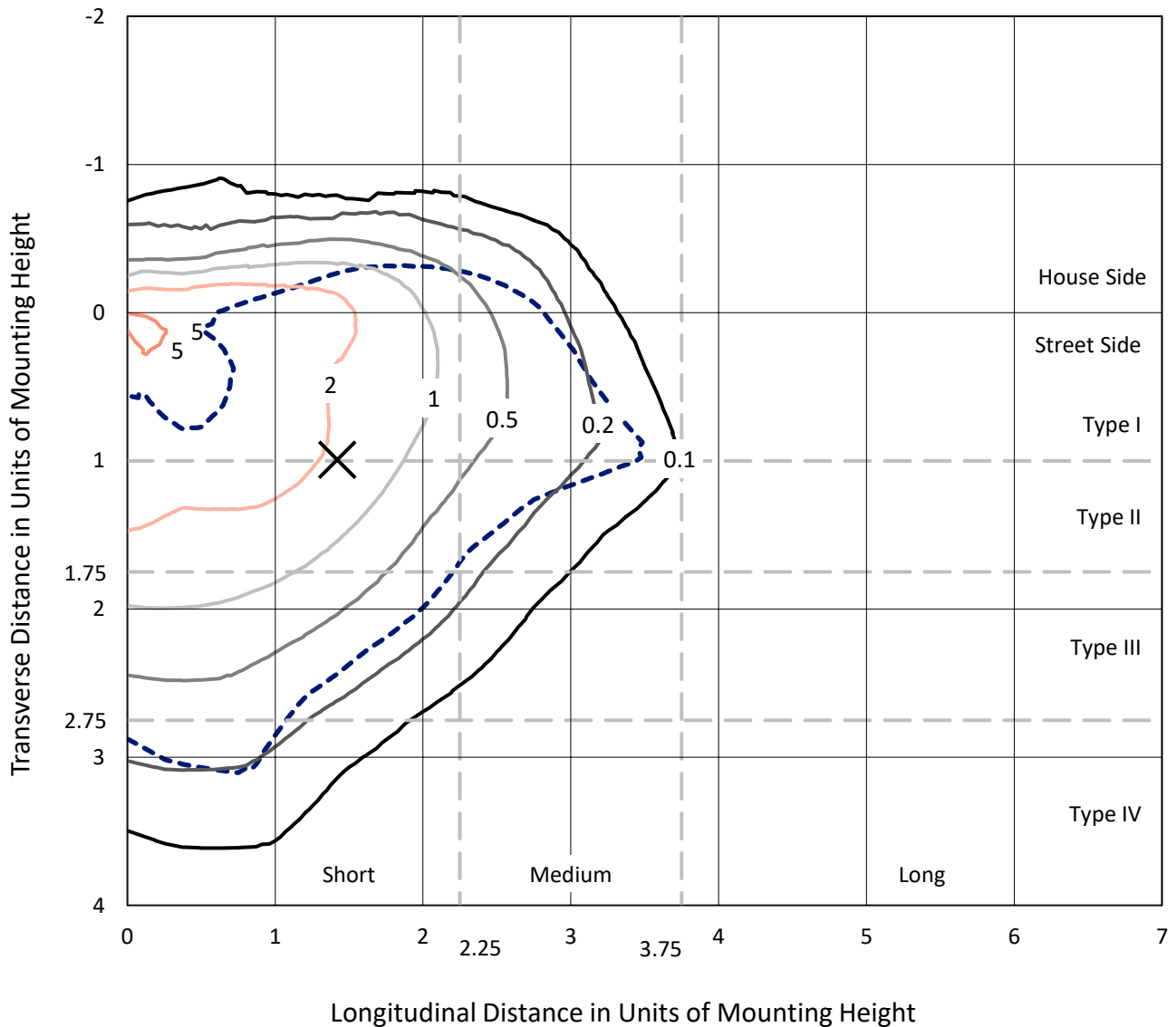
Input Watts (W): 93
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P458757
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Iso-Footcandle Lines of Horizontal Illumination

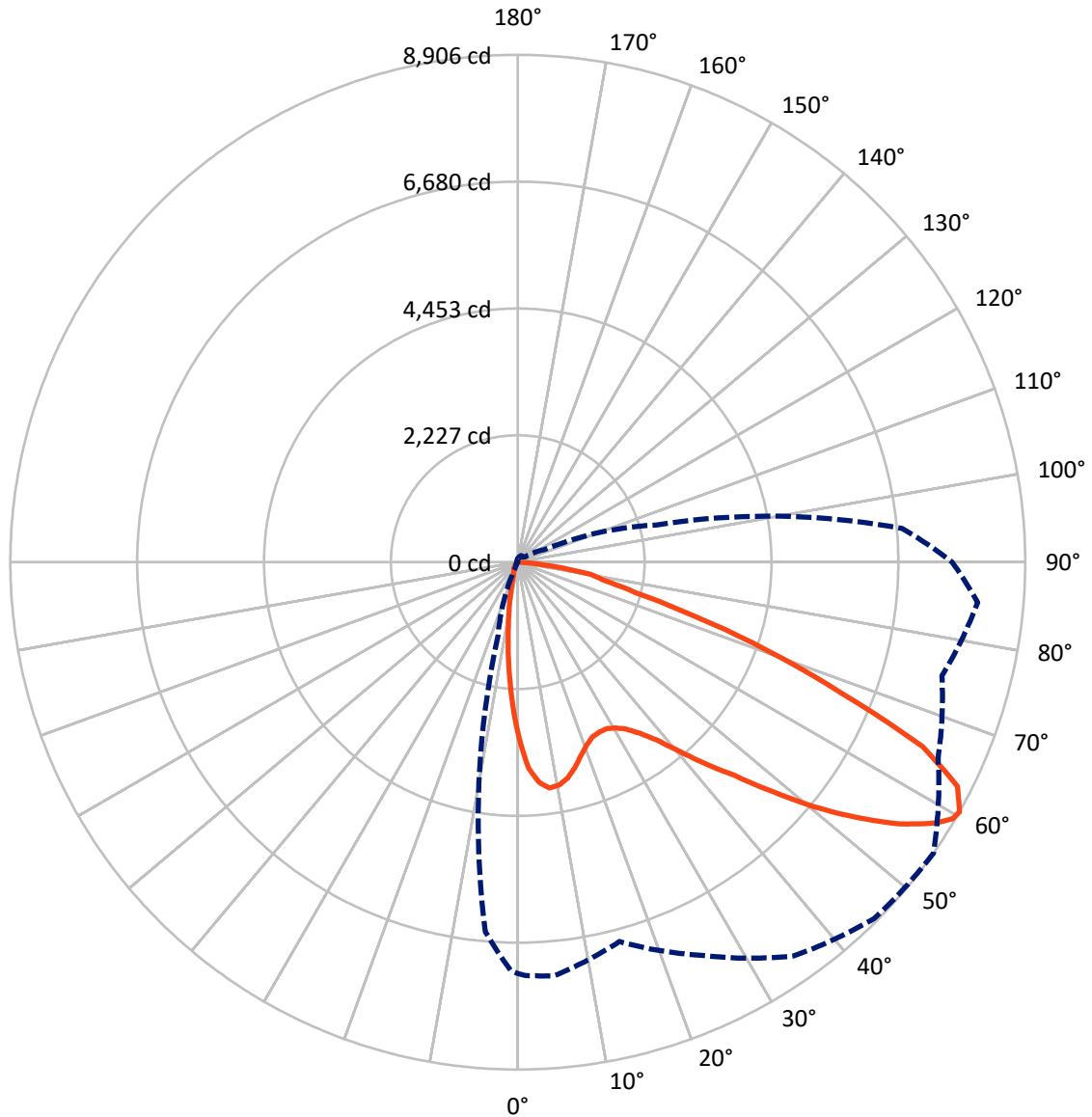
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6.4 fc
 Type III - Short - N/A

REPORT NUMBER: P458757
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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 | 1355.4 | 0.0 | 1355.4 |
| | % Fixture | 14.8 | 0.0 | 14.8 |
| Street Side | Lumens | 7777.6 | 0.0 | 7777.6 |
| | % Fixture | 85.2 | 0.0 | 85.2 |
| Total | Lumens | 9133.0 | 0.0 | 9133.0 |
| | % Fixture | 100.0 | 0.0 | 100.0 |

Coefficient of Utilization

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 229.0 | 2.5 |
| 10°-20° | 451.0 | 4.9 |
| 20°-30° | 667.5 | 7.3 |
| 30°-40° | 995.0 | 10.9 |
| 40°-50° | 1457.1 | 16.0 |
| 50°-60° | 2103.6 | 23.0 |
| 60°-70° | 2212.9 | 24.2 |
| 70°-80° | 910.3 | 10.0 |
| 80°-90° | 106.6 | 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° | 9133.0 | 100.0 |
| 0°-180° | 9133.0 | 100.0 |



REPORT NUMBER: P458757

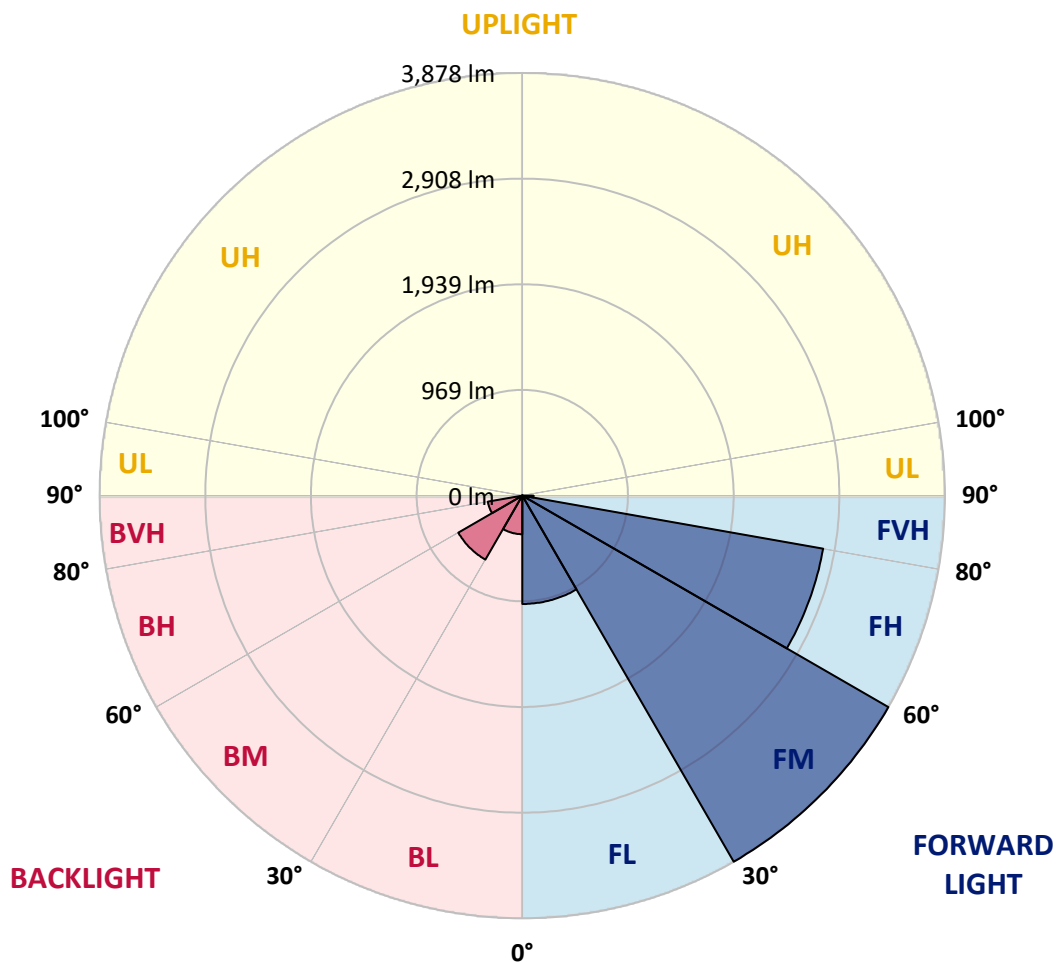
CATALOG NUMBER: GLAN-SA3A-735-U-SLL-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

| Zone | | Lumens | % Fixture | Zone Rating/Lumen Limit | | |
|------|-------------|--------|-----------|-------------------------|------|---------|
| | | | | B | U | G |
| FL | (0°-30°) | 993.8 | 10.9 | | | |
| FM | (30°-60°) | 3877.9 | 42.5 | | | |
| FH | (60°-80°) | 2802.4 | 30.7 | | | G2/5000 |
| FVH | (80°-90°) | 103.5 | 1.1 | | | G2/225 |
| BL | (0°-30°) | 353.6 | 3.9 | B1/500 | | |
| BM | (30°-60°) | 677.8 | 7.4 | B1/1000 | | |
| BH | (60°-80°) | 320.8 | 3.5 | B1/500 | | G1/500 |
| BVH | (80°-90°) | 3.1 | 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: P458757

CATALOG NUMBER: GLAN-SA3A-735-U-SLL-HSS

CANDELA DISTRIBUTION (FULL):

| | 0° | 1° | 5° | 15° | 25° | 35° | 45° | 55° | 65° | 75° | 85° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 3092.4 | 3092.4 | 3092.4 | 3092.4 | 3092.4 | 3092.4 | 3092.4 | 3092.4 | 3092.4 | 3092.4 | 3092.4 |
| 2.5° | 3378.5 | 3372.9 | 3422.8 | 3504.4 | 3586.6 | 3629.5 | 3621.0 | 3617.5 | 3549.3 | 3499.4 | 3394.7 |
| 5° | 3371.5 | 3400.3 | 3489.6 | 3710.3 | 3877.6 | 3958.5 | 3982.4 | 3881.9 | 3749.0 | 3556.4 | 3318.8 |
| 7.5° | 3169.7 | 3205.6 | 3351.1 | 3696.3 | 3993.6 | 4169.4 | 4163.0 | 4002.1 | 3727.9 | 3429.8 | 3091.0 |
| 10° | 2919.5 | 2961.7 | 3132.5 | 3551.5 | 3937.4 | 4169.4 | 4182.0 | 3978.2 | 3637.2 | 3254.8 | 2898.4 |
| 12.5° | 2743.0 | 2792.9 | 2982.0 | 3416.5 | 3792.6 | 4021.0 | 4035.8 | 3888.2 | 3569.0 | 3187.3 | 2793.6 |
| 15° | 2683.3 | 2730.4 | 2922.3 | 3348.3 | 3638.6 | 3761.6 | 3758.1 | 3742.7 | 3542.3 | 3203.5 | 2799.3 |
| 17.5° | 2785.9 | 2824.6 | 3041.1 | 3379.2 | 3494.5 | 3481.9 | 3500.1 | 3574.7 | 3547.9 | 3339.2 | 2976.4 |
| 20° | 3050.9 | 3090.3 | 3323.0 | 3474.1 | 3384.1 | 3304.0 | 3312.4 | 3436.9 | 3600.0 | 3594.3 | 3253.4 |
| 22.5° | 3415.8 | 3482.6 | 3693.5 | 3658.3 | 3369.4 | 3193.6 | 3176.1 | 3337.7 | 3688.5 | 3888.2 | 3627.4 |
| 25° | 3877.6 | 3945.1 | 4109.6 | 3952.2 | 3441.8 | 3167.6 | 3151.5 | 3307.5 | 3796.1 | 4175.0 | 4048.5 |
| 27.5° | 4265.7 | 4317.0 | 4480.8 | 4238.3 | 3548.6 | 3178.9 | 3152.2 | 3311.7 | 3883.3 | 4418.9 | 4403.5 |
| 30° | 4576.4 | 4614.4 | 4710.7 | 4371.8 | 3640.7 | 3228.1 | 3197.2 | 3373.6 | 3921.9 | 4537.7 | 4691.0 |
| 32.5° | 4826.7 | 4890.6 | 4920.9 | 4514.5 | 3772.9 | 3320.9 | 3268.2 | 3492.4 | 4016.1 | 4684.7 | 4992.6 |
| 35° | 5112.8 | 5186.6 | 5147.9 | 4650.9 | 3947.2 | 3465.7 | 3401.0 | 3685.0 | 4158.8 | 4820.3 | 5342.6 |
| 37.5° | 5475.5 | 5560.6 | 5409.4 | 4794.3 | 4131.4 | 3683.6 | 3653.4 | 3955.7 | 4375.3 | 5014.4 | 5718.0 |
| 40° | 5850.9 | 5900.1 | 5663.2 | 4968.7 | 4357.8 | 4000.7 | 4029.5 | 4357.8 | 4658.6 | 5247.0 | 6117.3 |
| 42.5° | 6144.0 | 6190.4 | 5924.0 | 5114.9 | 4589.1 | 4376.8 | 4497.0 | 4842.8 | 4983.4 | 5485.4 | 6415.4 |
| 45° | 6368.3 | 6407.7 | 6104.7 | 5274.5 | 4901.2 | 4921.6 | 5148.6 | 5342.6 | 5308.9 | 5630.9 | 6645.3 |
| 47.5° | 6542.6 | 6576.4 | 6243.9 | 5446.0 | 5368.7 | 5588.0 | 5935.3 | 6017.5 | 5646.3 | 5788.3 | 6853.4 |
| 50° | 6614.3 | 6624.2 | 6287.5 | 5664.6 | 5899.4 | 6437.2 | 6799.2 | 6749.3 | 6033.0 | 5963.4 | 7074.8 |
| 52.5° | 6707.8 | 6705.7 | 6411.9 | 5872.7 | 6398.5 | 7196.4 | 7557.7 | 7444.6 | 6470.2 | 6225.6 | 7323.6 |
| 55° | 6953.2 | 6956.0 | 6678.3 | 6167.9 | 6823.8 | 7809.4 | 8196.0 | 8113.8 | 6931.4 | 6668.5 | 7614.0 |
| 57.5° | 7251.2 | 7261.8 | 7057.2 | 6513.1 | 7230.1 | 8253.7 | 8672.7 | 8641.0 | 7554.9 | 7161.3 | 7888.1 |
| 59° | 7289.9 | 7311.0 | 7236.5 | 6756.3 | 7471.3 | 8390.1 | 8835.8 | 8866.7 | 7888.8 | 7486.0 | 8036.5 |
| 60° | 7219.6 | 7254.8 | 7288.5 | 6894.1 | 7612.6 | 8439.3 | 8845.6 | 8906.1 | 8139.8 | 7706.8 | 8104.0 |
| 62.5° | 6913.1 | 6968.6 | 7138.1 | 7318.0 | 7789.0 | 8286.0 | 8531.4 | 8657.9 | 8450.5 | 8286.7 | 8110.3 |
| 65° | 6511.7 | 6540.5 | 6785.2 | 7393.2 | 7446.7 | 7570.4 | 7646.3 | 7808.7 | 8077.2 | 8510.3 | 7819.9 |
| 67.5° | 5853.7 | 5938.8 | 6238.2 | 6956.7 | 6436.5 | 6290.3 | 6271.3 | 6109.6 | 6807.0 | 7977.4 | 7104.3 |
| 70° | 4835.8 | 4873.8 | 5242.8 | 5703.3 | 4857.6 | 4632.6 | 4722.6 | 4662.2 | 5276.6 | 6867.4 | 5718.0 |
| 72.5° | 3656.9 | 3742.7 | 4103.3 | 4546.2 | 3305.4 | 3013.7 | 3261.8 | 3239.3 | 3963.4 | 5519.1 | 3928.3 |
| 75° | 2601.7 | 2657.3 | 3117.0 | 3557.8 | 2314.9 | 1961.3 | 2050.6 | 2134.2 | 2766.9 | 4357.8 | 2321.2 |
| 77.5° | 1787.7 | 1835.5 | 2180.6 | 2352.9 | 1688.6 | 1617.6 | 1479.8 | 1560.6 | 1813.0 | 2585.6 | 1263.3 |
| 80° | 1078.4 | 1076.3 | 1303.3 | 1345.5 | 1176.1 | 1365.9 | 1145.9 | 1286.5 | 1095.9 | 1106.5 | 489.3 |
| 82.5° | 700.2 | 693.1 | 797.2 | 868.9 | 654.5 | 688.2 | 461.9 | 665.7 | 714.2 | 308.6 | 154.7 |
| 85° | 313.5 | 326.9 | 383.1 | 505.4 | 286.8 | 152.5 | 94.2 | 204.6 | 304.4 | 155.4 | 0.0 |
| 87.5° | 32.3 | 25.3 | 67.5 | 123.0 | 39.4 | 4.2 | 14.1 | 7.0 | 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: P458757
 CATALOG NUMBER: GLAN-SA3A-735-U-SLL-HSS

CANDELA DISTRIBUTION (continued):

| | 90° | 95° | 105° | 115° | 125° | 135° | 145° | 155° | 165° | 175° | 180° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 3092.4 | 3092.4 | 3092.4 | 3092.4 | 3092.4 | 3092.4 | 3092.4 | 3092.4 | 3092.4 | 3092.4 | 3092.4 |
| 2.5° | 3346.2 | 3305.4 | 3183.8 | 3069.9 | 2972.2 | 2852.7 | 2775.4 | 2653.7 | 2579.9 | 2557.4 | 2561.0 |
| 5° | 3211.9 | 3094.5 | 2863.2 | 2678.4 | 2472.4 | 2355.0 | 2176.4 | 2004.9 | 1912.1 | 1877.7 | 1862.2 |
| 7.5° | 2930.7 | 2804.9 | 2525.8 | 2235.5 | 2014.7 | 1808.8 | 1675.9 | 1524.8 | 1421.4 | 1336.4 | 1321.6 |
| 10° | 2721.9 | 2556.7 | 2210.9 | 1898.7 | 1724.4 | 1569.8 | 1436.9 | 1285.8 | 1164.1 | 1067.1 | 1040.4 |
| 12.5° | 2596.8 | 2411.9 | 2026.0 | 1764.5 | 1599.3 | 1440.4 | 1267.5 | 1092.4 | 968.0 | 863.3 | 814.8 |
| 15° | 2574.3 | 2359.9 | 1974.0 | 1668.2 | 1464.3 | 1272.4 | 1042.5 | 853.4 | 725.5 | 626.4 | 596.1 |
| 17.5° | 2710.0 | 2453.4 | 1966.2 | 1567.6 | 1287.9 | 1015.8 | 776.8 | 620.0 | 475.9 | 420.4 | 398.6 |
| 20° | 2951.8 | 2618.6 | 1965.5 | 1451.0 | 1106.5 | 782.4 | 545.5 | 404.2 | 345.9 | 319.2 | 306.5 |
| 22.5° | 3281.5 | 2843.6 | 2002.8 | 1350.4 | 918.1 | 577.1 | 389.5 | 322.0 | 288.2 | 266.4 | 261.5 |
| 25° | 3684.3 | 3176.8 | 2094.2 | 1282.2 | 774.0 | 452.7 | 321.3 | 275.6 | 247.4 | 237.6 | 233.4 |
| 27.5° | 4042.1 | 3495.9 | 2194.7 | 1211.9 | 670.6 | 400.7 | 298.1 | 252.4 | 229.9 | 222.1 | 215.8 |
| 30° | 4350.7 | 3785.5 | 2243.2 | 1119.1 | 587.7 | 367.0 | 302.3 | 269.9 | 240.4 | 217.2 | 206.7 |
| 32.5° | 4608.0 | 4007.7 | 2274.8 | 1034.8 | 517.4 | 300.2 | 239.0 | 208.8 | 195.4 | 187.0 | 180.0 |
| 35° | 4930.0 | 4248.1 | 2255.9 | 987.0 | 481.5 | 273.5 | 217.9 | 180.0 | 157.5 | 140.6 | 133.6 |
| 37.5° | 5267.4 | 4488.5 | 2222.8 | 947.6 | 465.4 | 253.8 | 207.4 | 170.8 | 146.2 | 128.6 | 119.5 |
| 40° | 5616.8 | 4711.4 | 2184.2 | 911.1 | 450.6 | 241.1 | 201.1 | 163.1 | 138.5 | 119.5 | 109.7 |
| 42.5° | 5936.7 | 4928.6 | 2168.7 | 887.2 | 426.7 | 243.2 | 196.1 | 159.6 | 130.8 | 111.1 | 102.6 |
| 45° | 6195.4 | 5134.6 | 2189.8 | 874.5 | 400.7 | 239.7 | 197.5 | 155.4 | 124.4 | 105.4 | 97.0 |
| 47.5° | 6471.6 | 5425.6 | 2258.0 | 861.9 | 375.4 | 222.8 | 208.1 | 154.7 | 121.6 | 101.9 | 92.8 |
| 50° | 6792.9 | 5798.2 | 2414.0 | 830.9 | 344.5 | 204.6 | 221.4 | 154.0 | 118.1 | 97.7 | 88.6 |
| 52.5° | 7221.0 | 6221.4 | 2575.0 | 776.8 | 299.5 | 187.0 | 211.6 | 151.8 | 111.1 | 92.8 | 83.7 |
| 55° | 7605.5 | 6667.1 | 2711.4 | 712.8 | 242.5 | 161.7 | 190.5 | 142.7 | 99.1 | 84.4 | 75.9 |
| 57.5° | 7764.4 | 6918.7 | 2707.2 | 624.2 | 194.0 | 142.0 | 156.8 | 130.8 | 86.5 | 74.5 | 67.5 |
| 59° | 7706.1 | 6887.1 | 2616.5 | 558.9 | 177.2 | 131.5 | 130.1 | 129.3 | 80.8 | 67.5 | 61.9 |
| 60° | 7623.8 | 6771.8 | 2518.8 | 526.5 | 166.6 | 124.4 | 119.5 | 127.9 | 75.9 | 63.3 | 57.6 |
| 62.5° | 7308.9 | 6293.8 | 2194.7 | 471.7 | 152.5 | 105.4 | 95.6 | 108.3 | 67.5 | 54.8 | 49.9 |
| 65° | 6852.6 | 5559.2 | 1858.0 | 456.2 | 148.3 | 87.2 | 79.4 | 77.3 | 57.6 | 46.4 | 42.2 |
| 67.5° | 5962.7 | 4704.3 | 1505.1 | 445.7 | 149.7 | 73.1 | 69.6 | 58.3 | 47.8 | 38.7 | 35.9 |
| 70° | 4773.9 | 3668.1 | 1232.3 | 433.7 | 151.1 | 59.8 | 58.3 | 46.4 | 38.7 | 32.3 | 29.5 |
| 72.5° | 2900.5 | 2174.3 | 970.1 | 376.8 | 146.9 | 47.8 | 52.0 | 35.1 | 28.1 | 23.2 | 21.8 |
| 75° | 1793.3 | 1488.2 | 601.8 | 293.1 | 97.0 | 35.1 | 36.6 | 21.8 | 19.0 | 14.8 | 14.8 |
| 77.5° | 1039.0 | 939.9 | 215.1 | 105.4 | 42.9 | 21.1 | 16.2 | 11.2 | 10.5 | 6.3 | 6.3 |
| 80° | 430.9 | 345.2 | 74.5 | 35.9 | 23.2 | 9.8 | 3.5 | 0.7 | 0.0 | 0.0 | 0.0 |
| 82.5° | 125.8 | 111.8 | 20.4 | 16.2 | 7.0 | 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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 CATALOG NUMBER: GLAN-SA3A-735-U-SLL-HSS

CANDELA DISTRIBUTION (continued):

| | 185° | 195° | 205° | 215° | 225° | 235° | 245° | 255° | 265° | 270° | 275° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 3092.4 | 3092.4 | 3092.4 | 3092.4 | 3092.4 | 3092.4 | 3092.4 | 3092.4 | 3092.4 | 3092.4 | 3092.4 |
| 2.5° | 2501.2 | 2478.0 | 2467.5 | 2503.3 | 2470.3 | 2512.5 | 2480.1 | 2494.2 | 2535.6 | 2553.9 | 2601.0 |
| 5° | 1872.0 | 1848.1 | 1836.9 | 1891.0 | 1888.2 | 1914.9 | 1912.1 | 1936.7 | 1957.8 | 1910.7 | 1959.2 |
| 7.5° | 1304.0 | 1287.9 | 1314.6 | 1356.8 | 1401.7 | 1387.0 | 1387.0 | 1353.9 | 1365.2 | 1358.2 | 1356.0 |
| 10° | 991.9 | 936.4 | 922.3 | 920.9 | 937.8 | 941.3 | 922.3 | 876.6 | 893.5 | 898.4 | 927.9 |
| 12.5° | 780.3 | 737.4 | 672.0 | 642.5 | 634.8 | 641.1 | 578.6 | 538.5 | 557.5 | 546.2 | 575.0 |
| 15° | 559.6 | 524.4 | 485.8 | 452.7 | 443.6 | 430.9 | 362.7 | 314.9 | 309.3 | 311.4 | 316.3 |
| 17.5° | 399.3 | 375.4 | 375.4 | 340.2 | 321.3 | 283.3 | 248.9 | 227.8 | 225.7 | 227.8 | 231.3 |
| 20° | 294.5 | 281.9 | 280.5 | 271.4 | 250.3 | 225.0 | 201.1 | 196.8 | 195.4 | 198.9 | 200.3 |
| 22.5° | 253.8 | 240.4 | 229.2 | 228.5 | 208.8 | 187.7 | 176.4 | 170.8 | 171.5 | 172.9 | 176.4 |
| 25° | 227.1 | 213.0 | 201.1 | 194.0 | 180.0 | 165.2 | 154.7 | 151.8 | 151.8 | 154.0 | 154.7 |
| 27.5° | 208.1 | 190.5 | 180.0 | 170.1 | 157.5 | 144.8 | 135.7 | 133.6 | 132.2 | 133.6 | 137.1 |
| 30° | 194.7 | 177.2 | 163.8 | 149.0 | 139.2 | 127.2 | 119.5 | 116.7 | 116.0 | 116.7 | 119.5 |
| 32.5° | 166.6 | 156.1 | 145.5 | 132.2 | 120.2 | 112.5 | 104.0 | 99.1 | 99.1 | 100.5 | 103.3 |
| 35° | 125.8 | 120.2 | 119.5 | 116.0 | 106.1 | 97.7 | 87.9 | 83.0 | 83.0 | 85.8 | 87.2 |
| 37.5° | 111.1 | 100.5 | 99.1 | 97.7 | 93.5 | 82.2 | 73.1 | 68.9 | 68.2 | 70.3 | 73.1 |
| 40° | 101.2 | 89.3 | 83.0 | 81.5 | 82.2 | 69.6 | 59.8 | 55.5 | 55.5 | 56.2 | 59.1 |
| 42.5° | 93.5 | 79.4 | 68.2 | 66.8 | 69.6 | 58.3 | 48.5 | 44.3 | 44.3 | 44.3 | 47.8 |
| 45° | 87.2 | 71.0 | 57.6 | 50.6 | 54.8 | 47.8 | 39.4 | 35.1 | 33.7 | 35.1 | 36.6 |
| 47.5° | 83.0 | 64.7 | 50.6 | 40.8 | 40.8 | 38.0 | 31.6 | 26.7 | 25.3 | 26.0 | 28.1 |
| 50° | 79.4 | 59.1 | 42.9 | 33.0 | 29.5 | 30.2 | 23.9 | 20.4 | 19.0 | 19.0 | 21.1 |
| 52.5° | 73.8 | 53.4 | 37.3 | 28.1 | 22.5 | 20.4 | 17.6 | 14.8 | 14.1 | 14.8 | 16.2 |
| 55° | 66.8 | 48.5 | 32.3 | 23.2 | 17.6 | 14.1 | 12.7 | 10.5 | 9.8 | 10.5 | 12.7 |
| 57.5° | 59.1 | 40.8 | 26.0 | 18.3 | 12.0 | 9.1 | 8.4 | 7.0 | 5.6 | 6.3 | 7.7 |
| 59° | 54.1 | 36.6 | 22.5 | 14.8 | 9.1 | 6.3 | 6.3 | 4.9 | 3.5 | 4.2 | 6.3 |
| 60° | 52.0 | 33.7 | 19.0 | 12.7 | 7.7 | 4.9 | 4.9 | 3.5 | 2.1 | 2.8 | 4.9 |
| 62.5° | 44.3 | 28.1 | 14.8 | 7.7 | 3.5 | 0.7 | 2.1 | 0.7 | 0.0 | 0.7 | 2.1 |
| 65° | 37.3 | 22.5 | 9.8 | 3.5 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.7 |
| 67.5° | 30.9 | 16.9 | 4.9 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 70° | 24.6 | 11.2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 72.5° | 16.9 | 6.3 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 75° | 10.5 | 2.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 77.5° | 4.2 | 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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| 62.5° | 8.4 | 14.8 | 19.0 | 26.7 | 35.1 | 52.0 | 1176.8 | 6101.9 | 6875.1 | 6913.1 |
| 65° | 5.6 | 10.5 | 14.1 | 19.7 | 27.4 | 45.0 | 958.9 | 5570.4 | 6426.6 | 6511.7 |
| 67.5° | 3.5 | 7.7 | 11.2 | 14.8 | 22.5 | 38.0 | 683.3 | 4776.7 | 5798.9 | 5853.7 |
| 70° | 2.1 | 4.9 | 8.4 | 12.0 | 17.6 | 30.2 | 405.6 | 3775.7 | 4824.6 | 4835.8 |
| 72.5° | 1.4 | 3.5 | 5.6 | 8.4 | 14.1 | 27.4 | 196.8 | 2461.1 | 3522.6 | 3656.9 |
| 75° | 0.7 | 2.1 | 3.5 | 6.3 | 11.2 | 22.5 | 94.2 | 1644.3 | 2563.1 | 2601.7 |
| 77.5° | 0.0 | 0.7 | 2.1 | 4.2 | 8.4 | 17.6 | 54.8 | 1079.8 | 1747.6 | 1787.7 |
| 80° | 0.0 | 0.0 | 1.4 | 3.5 | 6.3 | 11.2 | 33.0 | 636.9 | 1058.7 | 1078.4 |
| 82.5° | 0.0 | 0.0 | 0.7 | 2.8 | 4.2 | 8.4 | 16.9 | 279.8 | 693.1 | 700.2 |
| 85° | 0.0 | 0.0 | 0.7 | 2.8 | 3.5 | 5.6 | 6.3 | 38.0 | 307.9 | 313.5 |
| 87.5° | 0.0 | 0.0 | 0.7 | 3.5 | 3.5 | 3.5 | 3.5 | 2.1 | 26.0 | 32.3 |
| 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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