

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: P649470

Luminaire Tested: **GLAN-SA6D-835-U-SL2-GRSWH**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P649470
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-18)
Test Lab: INNOVATION CENTER
Issue Date: 5/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SA6D-835-U-SL2-GRSWH
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(6) 80 CRI, 3500K, 1200mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II
SPILL LIGHT ELIMINATOR OPTICS WITH WHITE GLARE REDUCTION SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 30444.6 lumens
Efficiency: N/A
Efficacy: 82.7 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type II - Short
BUG Rating: B4 - U0 - G3

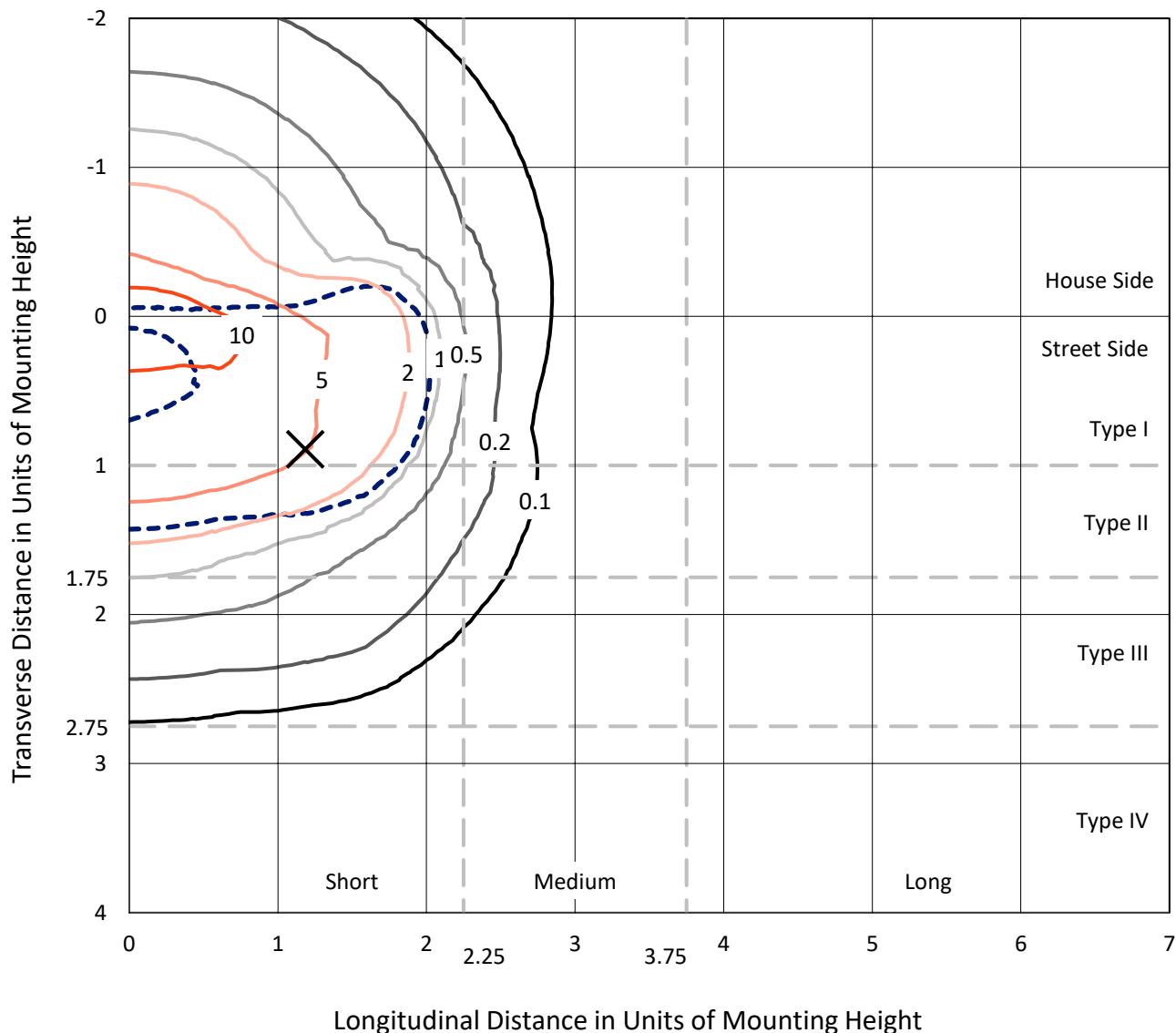
Input Watts (W): 368
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

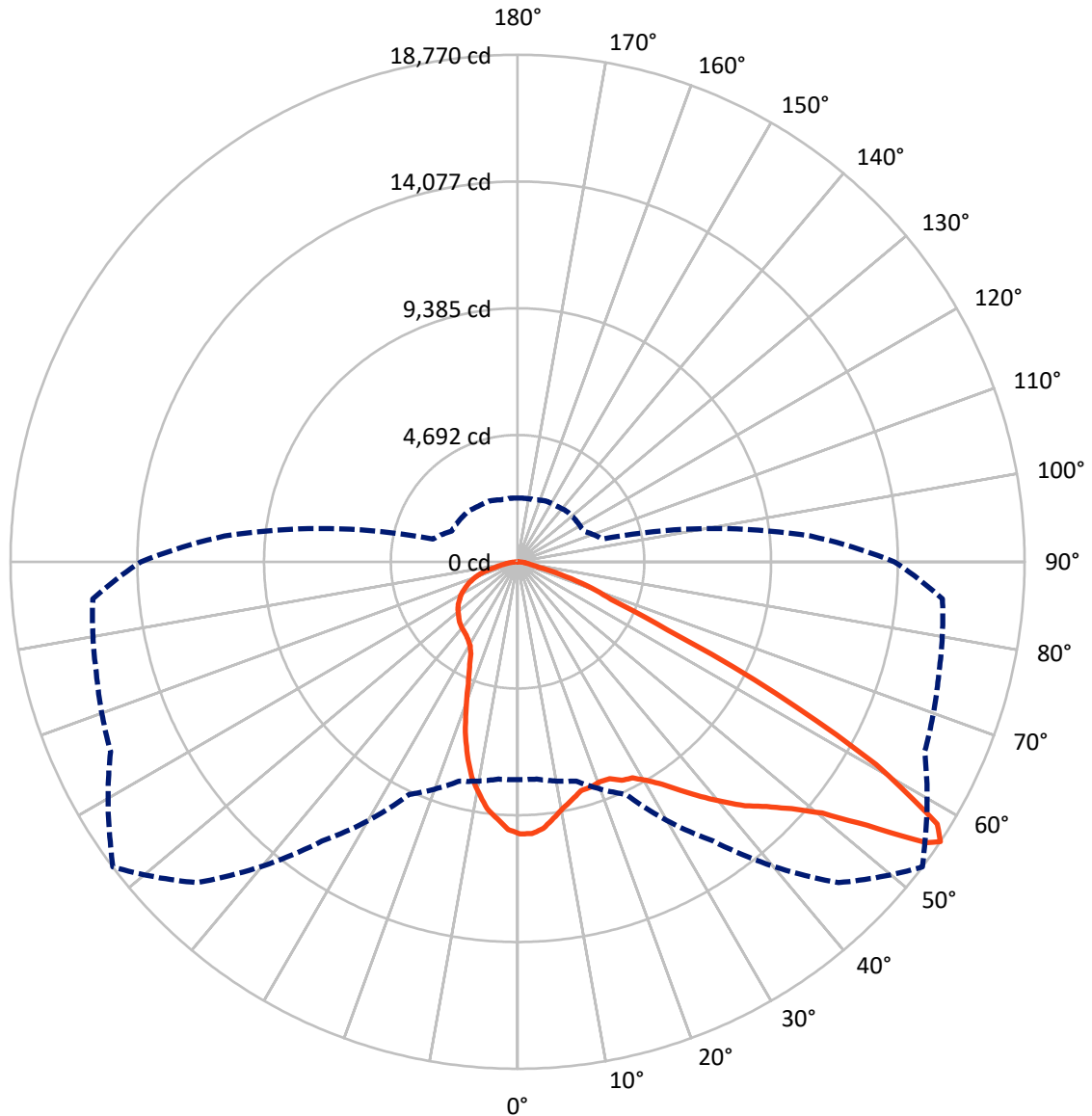
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 16.1 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 53-Deg Lateral - - - Horizontal Cone Through 56-Deg Vertical

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FLUX DISTRIBUTION:

| | | Downward | Upward | Total |
|--------------------|-----------|----------|--------|---------|
| House Side | Lumens | 8884.4 | 0.0 | 8884.4 |
| | % Fixture | 29.2 | 0.0 | 29.2 |
| Street Side | Lumens | 21560.2 | 0.0 | 21560.2 |
| | % Fixture | 70.8 | 0.0 | 70.8 |
| Total | Lumens | 30444.6 | 0.0 | 30444.6 |
| | % Fixture | 100.0 | 0.0 | 100.0 |

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|---------|-----------|
| 0°-10° | 891.7 | 2.9 |
| 10°-20° | 2227.0 | 7.3 |
| 20°-30° | 3284.0 | 10.8 |
| 30°-40° | 4692.1 | 15.4 |
| 40°-50° | 6458.1 | 21.2 |
| 50°-60° | 7631.7 | 25.1 |
| 60°-70° | 4067.2 | 13.4 |
| 70°-80° | 1031.8 | 3.4 |
| 80°-90° | 160.9 | 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° | 30444.6 | 100.0 |
| 0°-180° | 30444.6 | 100.0 |

Coefficient of Utilization



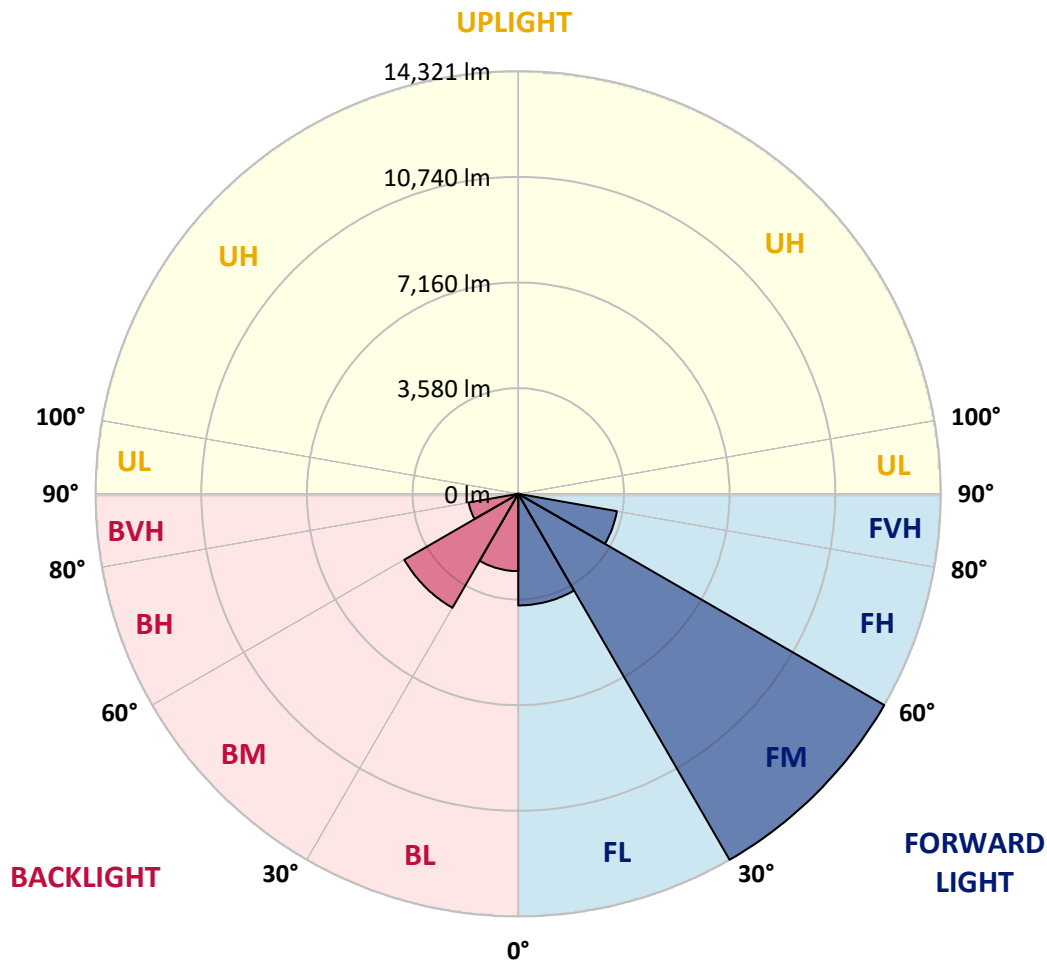
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

| Zone | Lumens | % Fixture | Zone Rating/Lumen Limit | | |
|----------------|---------|-----------|-------------------------|------|---------|
| | | | B | U | G |
| FL (0°-30°) | 3782.3 | 12.4 | | | |
| FM (30°-60°) | 14320.6 | 47.0 | | | |
| FH (60°-80°) | 3392.7 | 11.1 | | | G2/5000 |
| FVH (80°-90°) | 64.7 | 0.2 | | | G1/100 |
| BL (0°-30°) | 2620.4 | 8.6 | B4/5000 | | |
| BM (30°-60°) | 4461.4 | 14.7 | B3/5000 | | |
| BH (60°-80°) | 1706.4 | 5.6 | B3/2500 | | G3/2500 |
| BVH (80°-90°) | 96.2 | 0.3 | | | G1/100 |
| UL (90°-100°) | 0.0 | 0.0 | | U0/0 | |
| UH (100°-180°) | 0.0 | 0.0 | | U0/0 | |

BUG Rating: B4-U0-G3

Type II Short





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CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 15° | 25° | 35° | 45° | 53° | 55° | 65° | 75° | 85° |
|-------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 0° | 10072.3 | 10072.3 | 10072.3 | 10072.3 | 10072.3 | 10072.3 | 10072.3 | 10072.3 | 10072.3 | 10072.3 | 10072.3 |
| 2.5° | 9947.3 | 9861.4 | 9912.2 | 9892.7 | 10052.8 | 10099.6 | 10076.2 | 10095.7 | 10185.5 | 10142.6 | 10052.8 |
| 5° | 9295.1 | 9416.1 | 9439.6 | 9498.2 | 9591.9 | 9775.4 | 9920.0 | 9959.0 | 10002.0 | 10201.2 | 10181.7 |
| 7.5° | 8701.5 | 8783.5 | 8740.5 | 8912.3 | 9115.5 | 9412.2 | 9588.0 | 9619.2 | 10013.7 | 10123.0 | 10205.1 |
| 10° | 8326.5 | 8244.5 | 8439.8 | 8486.6 | 8717.1 | 9056.9 | 9267.7 | 9396.6 | 9755.9 | 10189.4 | 10240.2 |
| 12.5° | 7978.9 | 7951.6 | 8068.7 | 8201.5 | 8459.3 | 8810.8 | 9025.6 | 9076.4 | 9631.0 | 10087.9 | 10326.1 |
| 15° | 7721.2 | 7689.9 | 7807.1 | 7904.7 | 8205.4 | 8517.9 | 8791.3 | 8935.8 | 9494.3 | 10029.3 | 10251.9 |
| 17.5° | 7518.1 | 7514.1 | 7580.5 | 7756.3 | 8064.8 | 8326.5 | 8767.9 | 8775.6 | 9424.0 | 10119.2 | 10314.4 |
| 20° | 7506.4 | 7502.5 | 7514.1 | 7709.4 | 7990.7 | 8310.9 | 8693.6 | 8764.0 | 9424.0 | 10056.6 | 10318.3 |
| 22.5° | 7604.0 | 7541.5 | 7611.8 | 7736.8 | 7939.9 | 8338.2 | 8721.0 | 8877.2 | 9650.5 | 10365.2 | 10494.1 |
| 25° | 7760.2 | 7775.8 | 7814.9 | 7857.9 | 7975.0 | 8400.7 | 8963.1 | 9092.0 | 9916.1 | 10630.8 | 10736.2 |
| 27.5° | 8045.3 | 8037.5 | 8053.2 | 8076.6 | 8178.1 | 8459.3 | 9060.7 | 9392.7 | 10470.7 | 11103.3 | 10997.9 |
| 30° | 8463.2 | 8435.9 | 8498.4 | 8580.3 | 8486.6 | 8646.7 | 9384.9 | 9634.9 | 10986.2 | 11579.8 | 11290.8 |
| 32.5° | 8842.0 | 8943.6 | 9060.7 | 9095.9 | 8982.7 | 9013.9 | 9814.5 | 10068.4 | 11415.7 | 12165.6 | 11650.1 |
| 35° | 9314.6 | 9396.6 | 9552.8 | 9662.2 | 9642.6 | 9548.9 | 10400.4 | 10736.2 | 12036.7 | 12595.3 | 12028.9 |
| 37.5° | 9775.4 | 9873.1 | 10130.8 | 10455.0 | 10275.4 | 10232.4 | 11025.2 | 11302.5 | 12228.1 | 12825.6 | 12306.3 |
| 40° | 10517.5 | 10513.6 | 10958.8 | 11126.7 | 11286.9 | 11212.7 | 11673.5 | 11767.2 | 12329.7 | 12774.9 | 12314.0 |
| 42.5° | 11388.4 | 11333.8 | 11786.8 | 12048.5 | 12255.4 | 12263.3 | 12349.2 | 12317.9 | 12376.5 | 12517.1 | 12232.0 |
| 45° | 12216.4 | 12333.6 | 12790.5 | 13259.2 | 13466.2 | 13489.6 | 12919.3 | 12860.8 | 12458.5 | 12442.9 | 12075.8 |
| 47.5° | 13227.9 | 13255.3 | 13630.2 | 14247.2 | 14727.6 | 14563.6 | 13657.6 | 13528.7 | 12817.9 | 12938.9 | 12337.5 |
| 50° | 13286.5 | 13489.6 | 13825.4 | 14551.9 | 16028.2 | 15985.2 | 14614.4 | 14372.2 | 13395.9 | 13641.9 | 13067.8 |
| 52.5° | 12060.2 | 12013.3 | 12411.6 | 13598.9 | 15930.5 | 17399.0 | 16200.0 | 15622.0 | 14637.8 | 14450.3 | 14251.1 |
| 55° | 9189.6 | 9299.0 | 9650.5 | 10849.5 | 13833.3 | 17418.5 | 18359.7 | 17887.2 | 15965.7 | 15645.4 | 15415.0 |
| 56° | 8060.9 | 8076.6 | 8408.6 | 9502.1 | 12622.6 | 16797.5 | 18769.8 | 18387.1 | 16625.7 | 16137.5 | 15786.0 |
| 57.5° | 6682.3 | 6592.5 | 6764.3 | 7361.8 | 10654.2 | 15485.3 | 18320.7 | 18695.6 | 17399.0 | 16668.7 | 16180.5 |
| 60° | 5260.7 | 5241.2 | 5170.9 | 5280.2 | 6733.1 | 11665.7 | 15251.0 | 16094.6 | 17320.9 | 16168.8 | 15497.0 |
| 62.5° | 4296.0 | 4198.4 | 4339.0 | 4495.2 | 4678.8 | 7236.9 | 10716.7 | 11212.7 | 13751.3 | 12907.7 | 11642.3 |
| 65° | 3331.4 | 3284.5 | 3460.2 | 3968.0 | 4077.3 | 4596.8 | 6104.3 | 6487.0 | 8119.6 | 7975.0 | 7022.1 |
| 67.5° | 2292.5 | 2300.4 | 2452.7 | 3226.0 | 3780.6 | 3733.7 | 3737.6 | 3936.8 | 4237.4 | 3147.8 | 2741.7 |
| 70° | 1452.9 | 1448.9 | 1530.9 | 2077.7 | 3042.3 | 3073.6 | 2917.4 | 2858.8 | 2710.4 | 1640.3 | 1737.9 |
| 72.5° | 933.4 | 906.1 | 949.1 | 1148.2 | 1573.9 | 1819.9 | 1874.7 | 1909.8 | 1570.0 | 1288.8 | 1398.2 |
| 75° | 527.3 | 499.9 | 484.3 | 535.0 | 621.0 | 718.6 | 788.9 | 812.4 | 910.0 | 976.4 | 1035.0 |
| 77.5° | 160.1 | 144.5 | 175.8 | 234.4 | 308.5 | 414.0 | 503.8 | 519.4 | 613.2 | 691.3 | 749.9 |
| 80° | 70.3 | 78.1 | 109.4 | 156.2 | 218.7 | 292.9 | 355.4 | 378.8 | 441.3 | 499.9 | 515.5 |
| 82.5° | 43.0 | 46.9 | 74.2 | 105.5 | 152.3 | 207.0 | 253.8 | 261.7 | 324.2 | 371.0 | 382.7 |
| 85° | 15.7 | 19.5 | 39.1 | 62.5 | 97.6 | 132.8 | 132.8 | 144.5 | 132.8 | 132.8 | 144.5 |
| 87.5° | 0.0 | 0.0 | 3.9 | 7.8 | 7.8 | 11.7 | 15.7 | 15.7 | 19.5 | 23.4 | 27.3 |
| 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: P649470

CATALOG NUMBER: GLAN-SA6D-835-U-SL2-GRSWH

CANDELA DISTRIBUTION (continued):

| | 90° | 95° | 105° | 115° | 125° | 135° | 145° | 155° | 165° | 175° | 180° |
|-------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 0° | 10072.3 | 10072.3 | 10072.3 | 10072.3 | 10072.3 | 10072.3 | 10072.3 | 10072.3 | 10072.3 | 10072.3 | 10072.3 |
| 2.5° | 10099.6 | 10080.1 | 10048.9 | 9935.6 | 9923.9 | 9888.7 | 9693.5 | 9662.2 | 9693.5 | 9599.7 | 9607.5 |
| 5° | 10080.1 | 10138.7 | 9904.3 | 9791.1 | 9580.2 | 9427.9 | 9252.1 | 9162.3 | 9002.2 | 8900.6 | 9013.9 |
| 7.5° | 10166.0 | 10142.6 | 9849.7 | 9603.7 | 9287.2 | 8900.6 | 8592.1 | 8416.3 | 8135.1 | 8057.1 | 8115.6 |
| 10° | 10134.8 | 10009.8 | 9666.1 | 9342.0 | 8744.4 | 8404.6 | 7904.7 | 7420.4 | 7154.9 | 7018.2 | 6998.7 |
| 12.5° | 10091.8 | 10056.6 | 9482.5 | 8924.1 | 8295.3 | 7580.5 | 6877.6 | 6420.6 | 5987.1 | 5799.7 | 5827.0 |
| 15° | 10142.6 | 9845.8 | 9138.9 | 8432.0 | 7596.2 | 6658.9 | 5901.2 | 5311.5 | 5010.7 | 4889.7 | 4889.7 |
| 17.5° | 10119.2 | 9744.2 | 8974.8 | 7881.3 | 6822.9 | 5713.7 | 4881.8 | 4526.4 | 4401.5 | 4401.5 | 4436.6 |
| 20° | 10130.8 | 9810.6 | 8642.8 | 7330.6 | 5909.0 | 4811.5 | 4206.2 | 4077.3 | 4132.0 | 4151.5 | 4171.0 |
| 22.5° | 10197.2 | 9591.9 | 8318.7 | 6725.3 | 5061.5 | 4116.4 | 3819.6 | 3823.5 | 3921.1 | 4026.6 | 4007.0 |
| 25° | 10279.3 | 9506.0 | 7924.3 | 6123.8 | 4413.2 | 3776.6 | 3682.9 | 3671.2 | 3745.4 | 3800.1 | 3807.9 |
| 27.5° | 10209.0 | 9357.6 | 7522.0 | 5374.0 | 3882.0 | 3550.1 | 3530.5 | 3538.4 | 3561.8 | 3671.2 | 3636.0 |
| 30° | 10439.4 | 9400.5 | 7018.2 | 4745.2 | 3589.1 | 3475.9 | 3452.5 | 3440.7 | 3475.9 | 3507.1 | 3479.8 |
| 32.5° | 10724.5 | 9248.2 | 6643.3 | 4139.8 | 3444.7 | 3421.2 | 3374.3 | 3358.8 | 3378.3 | 3347.0 | 3362.6 |
| 35° | 10849.5 | 9220.8 | 6155.1 | 3706.3 | 3331.4 | 3311.9 | 3284.5 | 3280.6 | 3284.5 | 3257.2 | 3233.8 |
| 37.5° | 10919.8 | 9349.7 | 5596.6 | 3507.1 | 3261.1 | 3280.6 | 3218.1 | 3210.3 | 3140.0 | 3155.6 | 3167.4 |
| 40° | 11040.8 | 9150.6 | 5143.5 | 3315.8 | 3218.1 | 3179.1 | 3124.4 | 3112.7 | 3065.8 | 3038.5 | 3065.8 |
| 42.5° | 10865.1 | 9092.0 | 4698.3 | 3233.8 | 3155.6 | 3112.7 | 3073.6 | 3007.3 | 2991.6 | 2968.2 | 2952.5 |
| 45° | 10724.5 | 8756.1 | 4299.9 | 3132.2 | 3081.4 | 3058.0 | 2983.8 | 2913.5 | 2854.9 | 2878.4 | 2843.2 |
| 47.5° | 10829.9 | 8639.0 | 3905.5 | 3046.3 | 2979.9 | 2952.5 | 2878.4 | 2823.7 | 2765.1 | 2737.8 | 2729.9 |
| 50° | 11251.7 | 8857.7 | 3573.5 | 2983.8 | 2894.0 | 2878.4 | 2780.7 | 2718.3 | 2663.5 | 2644.0 | 2651.9 |
| 52.5° | 12259.4 | 9455.2 | 3347.0 | 2854.9 | 2812.0 | 2741.7 | 2686.9 | 2608.9 | 2573.7 | 2511.2 | 2550.3 |
| 55° | 13536.4 | 10427.7 | 3288.4 | 2733.8 | 2710.4 | 2647.9 | 2573.7 | 2515.2 | 2448.8 | 2397.9 | 2386.3 |
| 56° | 13946.6 | 10892.4 | 3241.5 | 2686.9 | 2647.9 | 2612.8 | 2515.2 | 2480.0 | 2374.5 | 2362.9 | 2355.0 |
| 57.5° | 14278.5 | 11302.5 | 3249.4 | 2597.1 | 2558.1 | 2526.8 | 2468.3 | 2382.4 | 2312.0 | 2269.1 | 2288.6 |
| 60° | 13528.7 | 10580.0 | 3101.0 | 2460.5 | 2452.7 | 2394.1 | 2312.0 | 2273.0 | 2187.1 | 2136.3 | 2124.6 |
| 62.5° | 10056.6 | 7182.2 | 2515.2 | 2284.7 | 2280.8 | 2218.3 | 2124.6 | 2081.6 | 2066.0 | 1995.7 | 1995.7 |
| 65° | 5791.9 | 4503.0 | 2175.3 | 2140.2 | 2108.9 | 2046.4 | 1952.7 | 1917.6 | 1878.6 | 1855.1 | 1835.6 |
| 67.5° | 2472.2 | 2335.5 | 1976.2 | 1972.3 | 1937.1 | 1859.0 | 1765.3 | 1710.6 | 1659.8 | 1613.0 | 1636.4 |
| 70° | 1792.6 | 1819.9 | 1784.8 | 1765.3 | 1722.3 | 1624.7 | 1542.7 | 1476.3 | 1398.2 | 1367.0 | 1390.4 |
| 72.5° | 1421.6 | 1480.2 | 1530.9 | 1534.8 | 1484.1 | 1370.8 | 1281.0 | 1191.2 | 1105.3 | 1062.3 | 1081.8 |
| 75° | 1078.0 | 1116.9 | 1167.8 | 1179.4 | 1105.3 | 1027.1 | 941.2 | 847.5 | 781.1 | 730.3 | 738.1 |
| 77.5° | 777.2 | 769.4 | 816.3 | 808.4 | 773.3 | 718.6 | 640.5 | 554.6 | 480.4 | 433.5 | 437.4 |
| 80° | 531.1 | 542.9 | 570.2 | 566.3 | 523.4 | 488.2 | 429.6 | 359.3 | 304.7 | 265.6 | 257.8 |
| 82.5° | 371.0 | 390.6 | 414.0 | 394.5 | 359.3 | 324.2 | 281.2 | 230.4 | 187.5 | 156.2 | 148.4 |
| 85° | 132.8 | 152.3 | 175.8 | 187.5 | 199.2 | 191.4 | 160.1 | 128.9 | 93.7 | 78.1 | 74.2 |
| 87.5° | 27.3 | 31.2 | 35.2 | 35.2 | 35.2 | 31.2 | 27.3 | 27.3 | 23.4 | 11.7 | 11.7 |
| 90° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

(END OF REPORT)