

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: P455638

Luminaire Tested: **GLAN-SA6D-750-U-T4FT-HSS**

Issue Date: 1/4/2021

Test Information

Test Method: LM-79-08
Report Number: P455638
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-042-29)
Test Lab: INNOVATION CENTER
Issue Date: 1/4/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SA6D-750-U-T4FT-HSS
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(6) 70 CRI, 5000K, 1200mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE IV
FORWARD THROW OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 33033 lumens
Efficiency: N/A
Efficacy: 89.8 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B2 - U0 - G5

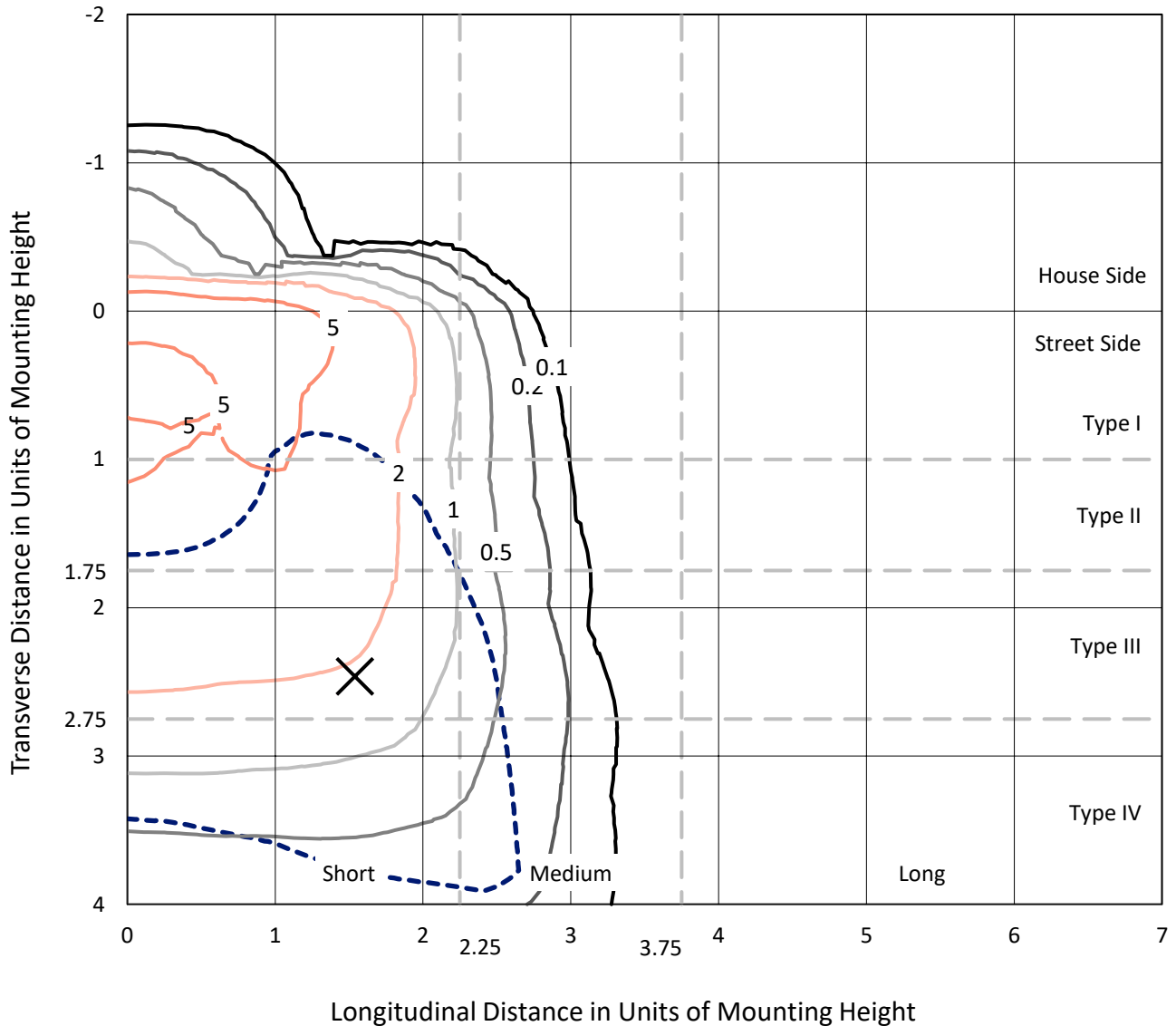
Input Watts (W): 368
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

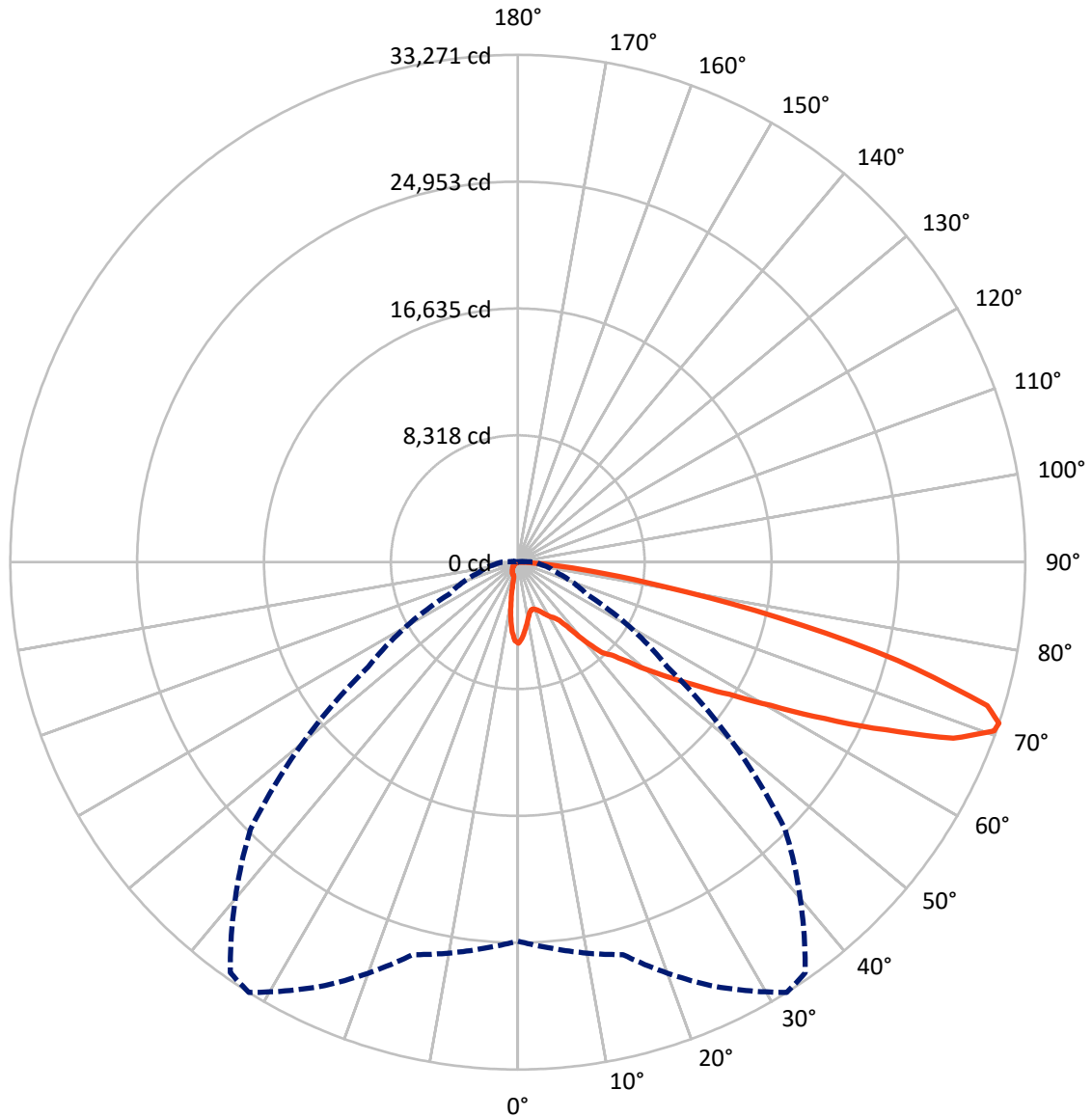
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 8.5 fc
 Type IV - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 32-Deg Lateral - - - Horizontal Cone Through 71-Deg Vertical

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FLUX DISTRIBUTION:

| | | Downward | Upward | Total |
|--------------------|-----------|----------|--------|---------|
| House Side | Lumens | 2766.9 | 0.0 | 2766.9 |
| | % Fixture | 8.4 | 0.0 | 8.4 |
| Street Side | Lumens | 30266.1 | 0.0 | 30266.1 |
| | % Fixture | 91.6 | 0.0 | 91.6 |
| Total | Lumens | 33033.0 | 0.0 | 33033.0 |
| | % Fixture | 100.0 | 0.0 | 100.0 |

Coefficient of Utilization

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|---------|-----------|
| 0°-10° | 432.0 | 1.3 |
| 10°-20° | 937.5 | 2.8 |
| 20°-30° | 1458.4 | 4.4 |
| 30°-40° | 2429.7 | 7.4 |
| 40°-50° | 4519.7 | 13.7 |
| 50°-60° | 7256.6 | 22.0 |
| 60°-70° | 9760.5 | 29.5 |
| 70°-80° | 5791.0 | 17.5 |
| 80°-90° | 447.6 | 1.4 |
| 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° | 33033.0 | 100.0 |
| 0°-180° | 33033.0 | 100.0 |



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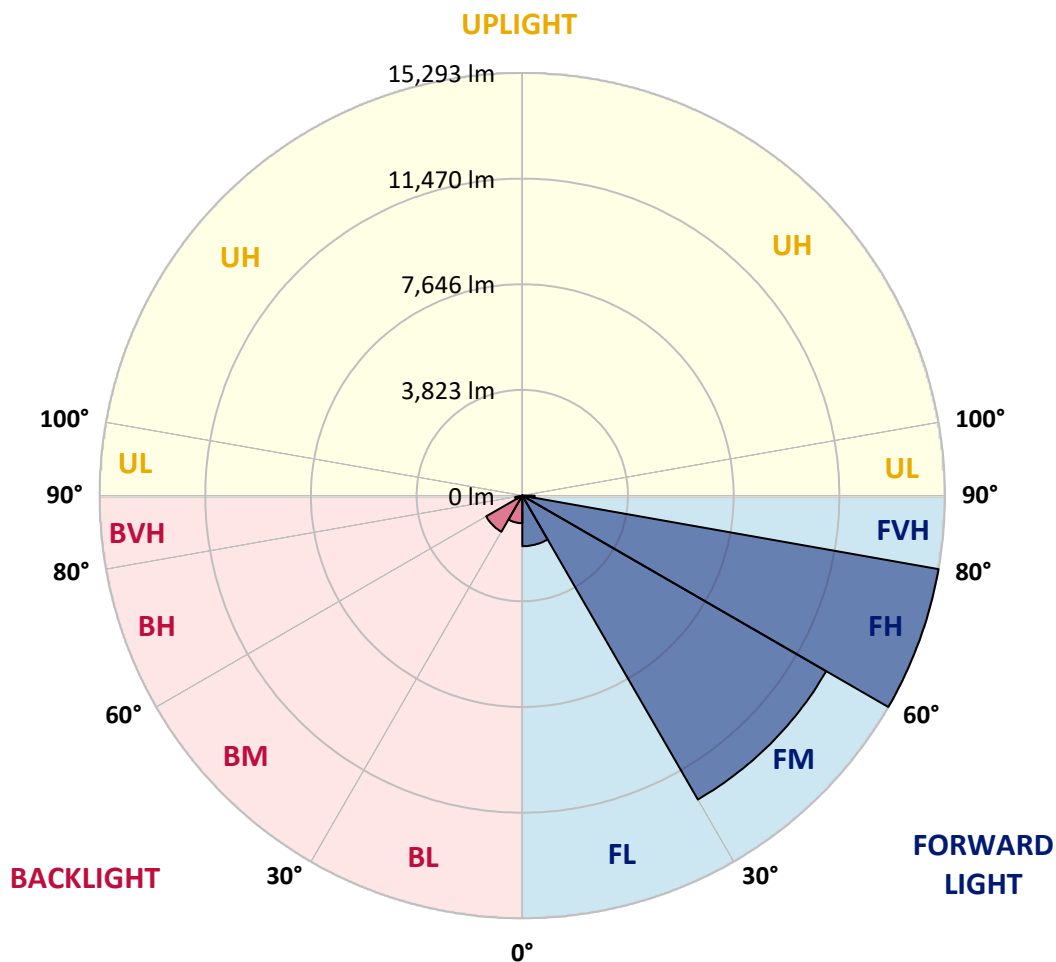
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

| Zone | | Lumens | % Fixture | Zone Rating/Lumen Limit | | |
|------|-------------|---------|-----------|-------------------------|------|--------|
| | | | | B | U | G |
| FL | (0°-30°) | 1830.9 | 5.5 | | | |
| FM | (30°-60°) | 12696.7 | 38.4 | | | |
| FH | (60°-80°) | 15292.7 | 46.3 | | | G5 |
| FVH | (80°-90°) | 445.9 | 1.3 | | | G3/500 |
| BL | (0°-30°) | 997.0 | 3.0 | B2/1000 | | |
| BM | (30°-60°) | 1509.4 | 4.6 | B2/2500 | | |
| BH | (60°-80°) | 258.8 | 0.8 | B1/500 | | G1/500 |
| BVH | (80°-90°) | 1.7 | 0.0 | | | G0/10 |
| UL | (90°-100°) | 0.0 | 0.0 | | U0/0 | |
| UH | (100°-180°) | 0.0 | 0.0 | | U0/0 | |

BUG Rating: B2-U0-G5

Type IV Short





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CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 15° | 25° | 32° | 35° | 45° | 55° | 65° | 75° | 85° |
|-------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 0° | 5312.2 | 5312.2 | 5312.2 | 5312.2 | 5312.2 | 5312.2 | 5312.2 | 5312.2 | 5312.2 | 5312.2 | 5312.2 |
| 2.5° | 4926.8 | 4977.5 | 4969.9 | 4987.7 | 5030.8 | 5048.5 | 5096.7 | 5149.9 | 5223.5 | 5274.2 | 5307.2 |
| 5° | 4412.1 | 4450.1 | 4455.2 | 4543.9 | 4587.0 | 4635.2 | 4777.2 | 4931.9 | 5104.3 | 5241.2 | 5332.5 |
| 7.5° | 3861.8 | 3882.1 | 3922.7 | 4039.3 | 4148.4 | 4196.5 | 4412.1 | 4680.8 | 4952.2 | 5208.3 | 5373.1 |
| 10° | 3407.9 | 3430.8 | 3504.3 | 3628.5 | 3730.0 | 3793.4 | 4092.6 | 4429.8 | 4810.2 | 5190.5 | 5431.4 |
| 12.5° | 3149.3 | 3162.0 | 3189.9 | 3301.4 | 3430.8 | 3499.2 | 3821.3 | 4206.7 | 4696.1 | 5198.1 | 5530.3 |
| 15° | 3131.5 | 3126.5 | 3093.5 | 3139.2 | 3255.8 | 3326.8 | 3641.2 | 4054.5 | 4594.6 | 5223.5 | 5646.9 |
| 17.5° | 3225.4 | 3212.7 | 3134.1 | 3134.1 | 3230.4 | 3288.8 | 3565.1 | 3973.4 | 4543.9 | 5281.8 | 5811.7 |
| 20° | 3369.9 | 3349.6 | 3220.3 | 3210.2 | 3304.0 | 3364.8 | 3610.8 | 3978.5 | 4554.1 | 5390.8 | 6032.4 |
| 22.5° | 3552.5 | 3529.6 | 3334.4 | 3339.5 | 3440.9 | 3501.8 | 3742.6 | 4069.7 | 4617.4 | 5525.2 | 6268.2 |
| 25° | 3790.8 | 3765.5 | 3534.7 | 3524.6 | 3631.1 | 3684.3 | 3937.9 | 4232.0 | 4706.2 | 5692.6 | 6577.5 |
| 27.5° | 4107.8 | 4054.5 | 3778.1 | 3762.9 | 3877.0 | 3945.5 | 4173.7 | 4450.1 | 4863.4 | 5923.3 | 6993.4 |
| 30° | 4369.0 | 4310.6 | 4046.9 | 4006.4 | 4128.1 | 4181.3 | 4417.1 | 4744.2 | 5172.8 | 6326.5 | 7569.0 |
| 32.5° | 4711.3 | 4625.1 | 4315.7 | 4209.2 | 4338.5 | 4407.0 | 4769.6 | 5291.9 | 5631.7 | 6752.5 | 8253.6 |
| 35° | 5482.1 | 5428.9 | 5051.0 | 4678.3 | 4670.7 | 4756.9 | 5289.4 | 5844.7 | 6103.4 | 7416.8 | 9186.7 |
| 37.5° | 6585.1 | 6547.1 | 6146.5 | 5646.9 | 5502.4 | 5461.8 | 5920.8 | 6453.3 | 6856.4 | 8329.7 | 10272.0 |
| 40° | 7865.6 | 7776.9 | 7409.2 | 6985.8 | 6798.1 | 6678.9 | 6666.3 | 7358.5 | 7840.3 | 9569.6 | 11402.9 |
| 42.5° | 8783.6 | 8621.3 | 8175.0 | 8144.6 | 8104.0 | 7979.7 | 7619.7 | 8682.1 | 9110.7 | 10903.4 | 12612.4 |
| 45° | 9747.1 | 9501.1 | 8836.8 | 8722.7 | 8707.5 | 8699.9 | 9059.9 | 10249.2 | 10495.1 | 12348.7 | 13854.9 |
| 47.5° | 10495.1 | 10299.9 | 9754.7 | 9704.0 | 9767.4 | 9939.8 | 10964.2 | 11912.6 | 11861.9 | 13636.8 | 14897.0 |
| 50° | 11491.6 | 11344.6 | 10738.5 | 10834.9 | 11162.0 | 11443.5 | 13111.9 | 13725.6 | 12985.2 | 14651.1 | 15655.2 |
| 52.5° | 12668.2 | 12396.9 | 11834.0 | 12095.1 | 12597.2 | 13066.3 | 15391.5 | 15312.9 | 13773.7 | 15414.3 | 16220.7 |
| 55° | 13687.5 | 13494.8 | 13302.1 | 13573.4 | 14324.0 | 14909.7 | 17450.5 | 16502.1 | 14346.8 | 16028.0 | 16469.2 |
| 57.5° | 15411.8 | 15366.1 | 15168.4 | 15444.7 | 16355.1 | 16963.6 | 19293.9 | 17425.1 | 14714.5 | 16347.4 | 16177.6 |
| 60° | 17962.7 | 17889.1 | 17521.5 | 17873.9 | 19060.6 | 20016.6 | 20992.8 | 18254.3 | 14798.2 | 16223.2 | 15338.2 |
| 62.5° | 21030.8 | 20779.8 | 20465.4 | 20985.2 | 22613.1 | 23034.0 | 22592.8 | 18746.2 | 14486.3 | 15234.3 | 13314.8 |
| 65° | 23896.1 | 23637.5 | 23645.1 | 24740.5 | 26512.9 | 26799.5 | 24459.0 | 18672.7 | 13573.4 | 12756.9 | 9820.6 |
| 67.5° | 26089.5 | 26046.4 | 26355.7 | 28493.3 | 30810.9 | 30613.1 | 26127.5 | 17572.2 | 10867.9 | 8268.8 | 5218.4 |
| 70° | 26201.0 | 26284.7 | 27172.2 | 30780.5 | 33133.6 | 32819.1 | 25985.5 | 14283.4 | 6775.3 | 3803.5 | 2056.4 |
| 71° | 24852.1 | 25415.0 | 26642.3 | 30709.5 | 33270.5 | 32862.2 | 24788.7 | 11963.3 | 4969.9 | 2652.3 | 1483.4 |
| 72.5° | 21177.9 | 21474.6 | 24126.9 | 28901.5 | 32187.8 | 31315.5 | 21753.5 | 8385.5 | 3182.3 | 1622.8 | 852.0 |
| 75° | 11664.1 | 12394.3 | 16157.3 | 22673.9 | 25744.6 | 24978.9 | 14176.9 | 3983.5 | 1587.3 | 887.5 | 352.5 |
| 77.5° | 5553.1 | 5411.1 | 7883.4 | 13484.7 | 17455.5 | 17415.0 | 7143.0 | 1769.9 | 925.5 | 601.0 | 177.5 |
| 80° | 1587.3 | 1785.1 | 3017.4 | 6410.2 | 9691.3 | 9797.8 | 2743.6 | 854.5 | 641.5 | 469.1 | 91.3 |
| 82.5° | 479.2 | 489.4 | 1108.1 | 2834.9 | 4820.3 | 4543.9 | 1029.5 | 436.1 | 461.5 | 372.7 | 53.2 |
| 85° | 83.7 | 104.0 | 327.1 | 999.1 | 1838.4 | 1394.6 | 258.6 | 207.9 | 304.3 | 246.0 | 30.4 |
| 87.5° | 5.1 | 7.6 | 109.0 | 114.1 | 162.3 | 93.8 | 45.6 | 30.4 | 65.9 | 65.9 | 17.7 |
| 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-SA6D-750-U-T4FT-HSS

CANDELA DISTRIBUTION (continued):

| | 90° | 95° | 105° | 115° | 125° | 135° | 145° | 155° | 165° | 175° | 180° |
|-------|---------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 5312.2 | 5312.2 | 5312.2 | 5312.2 | 5312.2 | 5312.2 | 5312.2 | 5312.2 | 5312.2 | 5312.2 | 5312.2 |
| 2.5° | 5330.0 | 5345.2 | 5335.0 | 5312.2 | 5274.2 | 5228.5 | 5167.7 | 5117.0 | 5073.9 | 5051.0 | 5078.9 |
| 5° | 5362.9 | 5383.2 | 5332.5 | 5218.4 | 5046.0 | 4858.3 | 4645.3 | 4480.5 | 4351.2 | 4310.6 | 4295.4 |
| 7.5° | 5413.6 | 5426.3 | 5289.4 | 5035.8 | 4670.7 | 4227.0 | 3839.0 | 3511.9 | 3258.3 | 3182.3 | 3070.7 |
| 10° | 5479.6 | 5472.0 | 5213.3 | 4741.7 | 4100.2 | 3433.3 | 2832.3 | 2386.1 | 2048.8 | 1927.1 | 1917.0 |
| 12.5° | 5581.0 | 5540.4 | 5117.0 | 4341.1 | 3420.6 | 2548.3 | 1805.4 | 1412.4 | 1199.4 | 1128.4 | 1113.2 |
| 15° | 5707.8 | 5611.4 | 4964.8 | 3872.0 | 2619.3 | 1645.6 | 1113.2 | 994.0 | 966.1 | 961.0 | 955.9 |
| 17.5° | 5857.4 | 5705.3 | 4764.5 | 3296.4 | 1840.9 | 1067.5 | 930.6 | 928.1 | 930.6 | 925.5 | 923.0 |
| 20° | 6060.2 | 5804.1 | 4526.2 | 2614.3 | 1217.1 | 900.2 | 887.5 | 887.5 | 890.0 | 887.5 | 887.5 |
| 22.5° | 6275.8 | 5920.8 | 4232.0 | 1995.6 | 917.9 | 854.5 | 852.0 | 857.1 | 862.1 | 859.6 | 859.6 |
| 25° | 6542.0 | 6072.9 | 3844.1 | 1366.7 | 821.6 | 816.5 | 819.0 | 829.2 | 839.3 | 841.8 | 839.3 |
| 27.5° | 6927.4 | 6260.6 | 3428.2 | 940.7 | 753.1 | 758.2 | 783.5 | 808.9 | 824.1 | 826.6 | 826.6 |
| 30° | 7361.0 | 6468.5 | 2885.6 | 763.2 | 697.3 | 697.3 | 727.7 | 775.9 | 808.9 | 813.9 | 816.5 |
| 32.5° | 7918.9 | 6709.4 | 2284.6 | 687.2 | 644.1 | 639.0 | 666.9 | 725.2 | 786.1 | 803.8 | 803.8 |
| 35° | 8608.6 | 6993.4 | 1698.9 | 639.0 | 606.0 | 593.3 | 608.6 | 656.7 | 735.3 | 786.1 | 791.1 |
| 37.5° | 9417.5 | 7262.2 | 1242.5 | 595.9 | 570.5 | 552.8 | 562.9 | 601.0 | 664.3 | 740.4 | 760.7 |
| 40° | 10165.5 | 7500.5 | 928.1 | 560.4 | 535.0 | 522.3 | 530.0 | 547.7 | 601.0 | 672.0 | 684.6 |
| 42.5° | 10982.0 | 7685.6 | 737.9 | 522.3 | 499.5 | 494.5 | 494.5 | 502.1 | 537.6 | 578.1 | 580.7 |
| 45° | 11795.9 | 7751.5 | 618.7 | 476.7 | 461.5 | 466.6 | 464.0 | 459.0 | 474.2 | 469.1 | 469.1 |
| 47.5° | 12376.6 | 7672.9 | 512.2 | 433.6 | 433.6 | 441.2 | 428.5 | 410.8 | 403.2 | 372.7 | 375.3 |
| 50° | 12774.7 | 7386.4 | 420.9 | 382.9 | 403.2 | 413.3 | 388.0 | 360.1 | 332.2 | 299.2 | 291.6 |
| 52.5° | 12939.5 | 6876.7 | 344.9 | 317.0 | 357.5 | 370.2 | 339.8 | 306.8 | 263.7 | 235.8 | 228.2 |
| 55° | 12833.0 | 6247.9 | 286.5 | 258.6 | 301.7 | 317.0 | 286.5 | 248.5 | 200.3 | 169.9 | 164.8 |
| 57.5° | 12363.9 | 5497.3 | 243.4 | 205.4 | 240.9 | 251.0 | 230.7 | 190.2 | 142.0 | 111.6 | 111.6 |
| 60° | 11552.5 | 4721.4 | 197.8 | 162.3 | 180.0 | 195.2 | 175.0 | 136.9 | 96.4 | 68.5 | 63.4 |
| 62.5° | 9906.9 | 3833.9 | 159.7 | 126.8 | 126.8 | 139.5 | 121.7 | 98.9 | 60.9 | 35.5 | 33.0 |
| 65° | 7153.1 | 2629.5 | 126.8 | 93.8 | 91.3 | 91.3 | 76.1 | 65.9 | 35.5 | 15.2 | 10.1 |
| 67.5° | 3887.2 | 1483.4 | 101.4 | 71.0 | 63.4 | 60.9 | 48.2 | 38.0 | 15.2 | 2.5 | 0.0 |
| 70° | 1529.0 | 570.5 | 78.6 | 48.2 | 40.6 | 38.0 | 25.4 | 17.7 | 10.1 | 0.0 | 0.0 |
| 71° | 1037.1 | 393.0 | 68.5 | 40.6 | 33.0 | 27.9 | 20.3 | 15.2 | 7.6 | 0.0 | 0.0 |
| 72.5° | 593.3 | 243.4 | 53.2 | 30.4 | 25.4 | 20.3 | 15.2 | 10.1 | 7.6 | 0.0 | 0.0 |
| 75° | 258.6 | 124.2 | 33.0 | 22.8 | 17.7 | 12.7 | 10.1 | 7.6 | 2.5 | 0.0 | 0.0 |
| 77.5° | 131.9 | 68.5 | 22.8 | 17.7 | 10.1 | 7.6 | 5.1 | 2.5 | 0.0 | 0.0 | 0.0 |
| 80° | 73.5 | 35.5 | 15.2 | 10.1 | 7.6 | 5.1 | 2.5 | 2.5 | 0.0 | 0.0 | 0.0 |
| 82.5° | 40.6 | 20.3 | 7.6 | 5.1 | 2.5 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 85° | 25.4 | 12.7 | 2.5 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 87.5° | 12.7 | 5.1 | 0.0 | 0.0 | 0.0 | 0.0 | 2.5 | 2.5 | 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 |

(END OF REPORT)