

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: P531548

Luminaire Tested: **GLAN-SA6D-750-U-T3R-GRSWH**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P531548
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-12)
Test Lab: INNOVATION CENTER
Issue Date: 5/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SA6D-750-U-T3R-GRSWH
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(6) 70 CRI, 5000K, 1200mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III
ROADWAY OPTICS WITH WHITE GLARE REDUCTION SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 40045 lumens
Efficiency: N/A
Efficacy: 108.8 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type II - Short
BUG Rating: B4 - U0 - G3

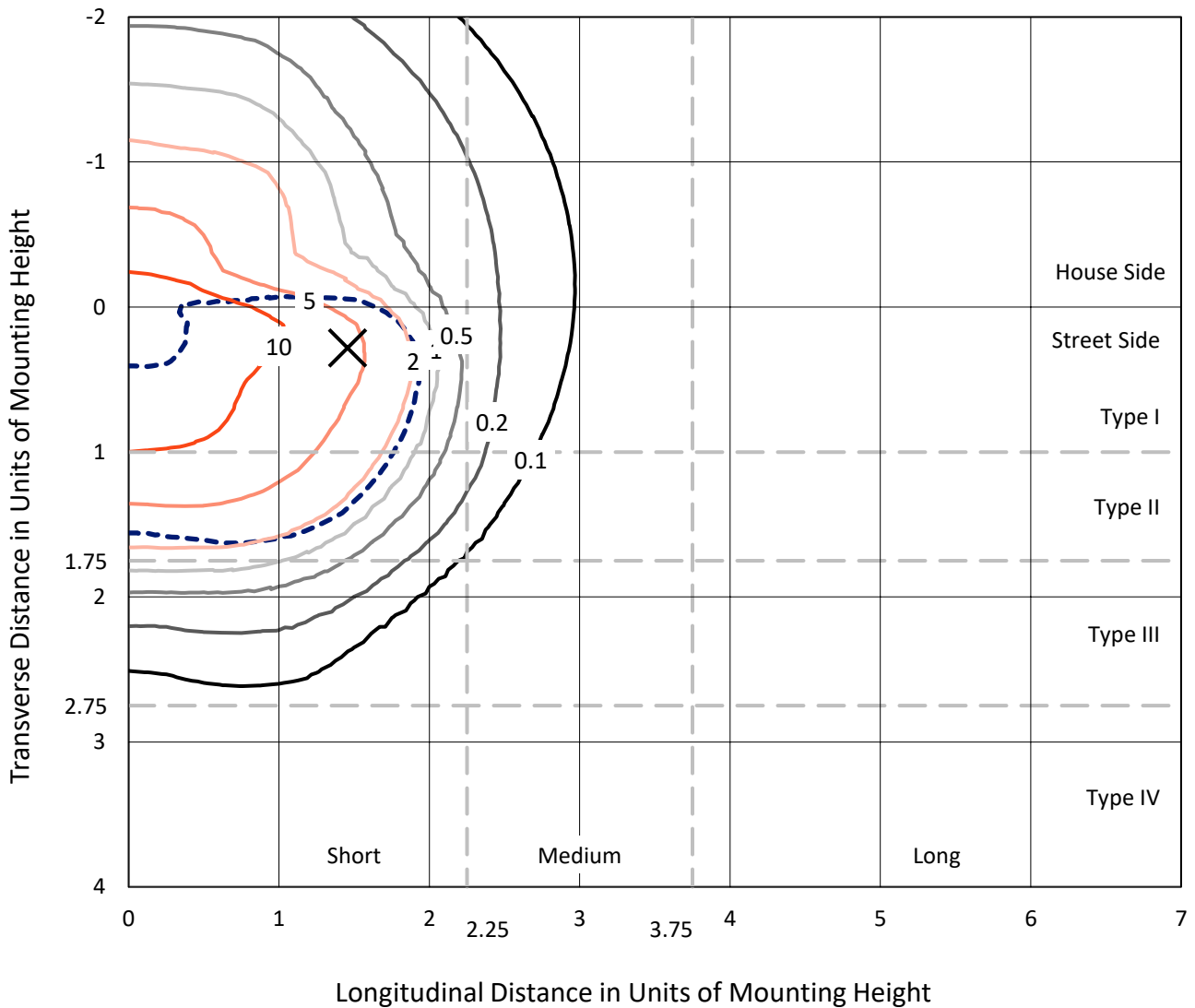
Input Watts (W): 368
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

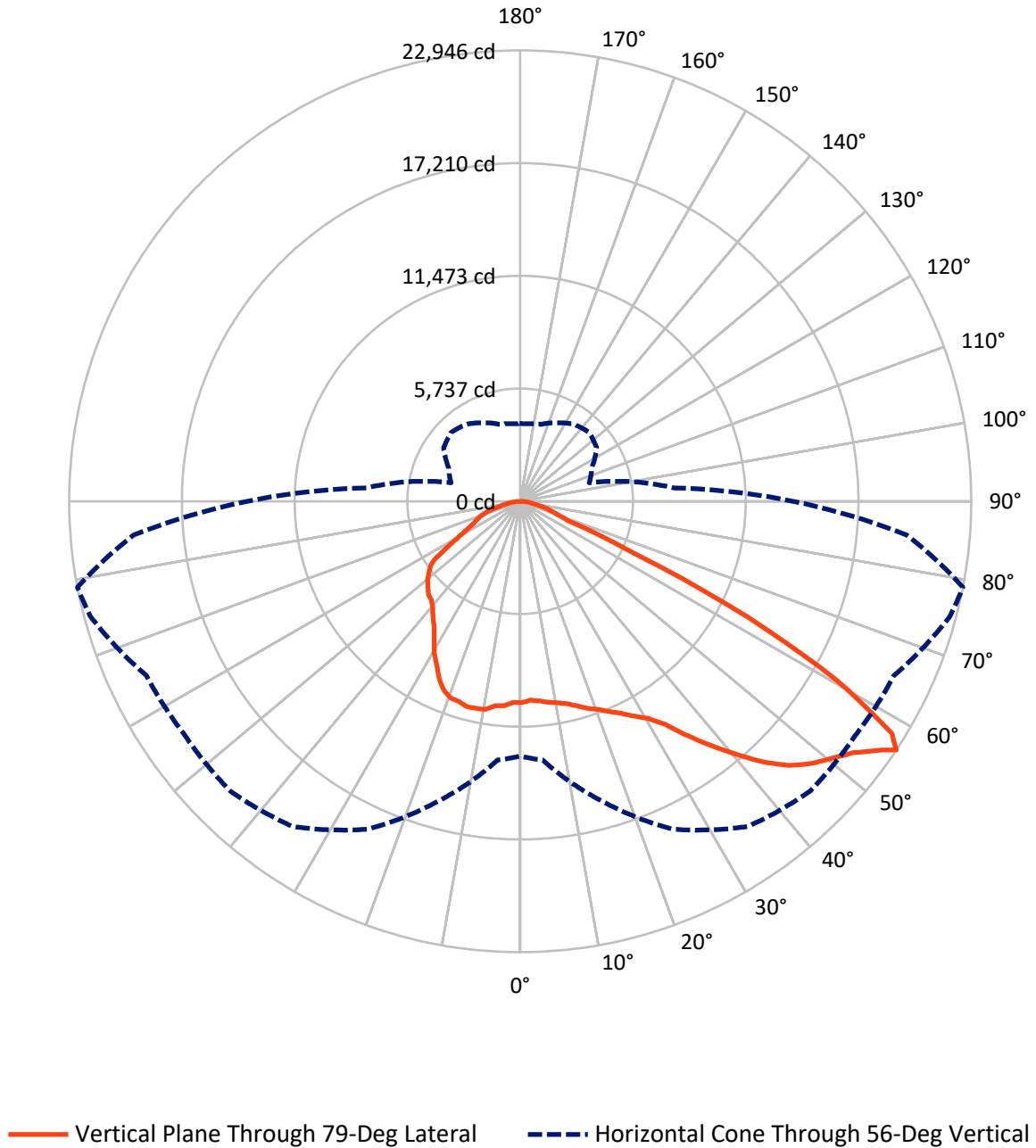
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 16.4 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



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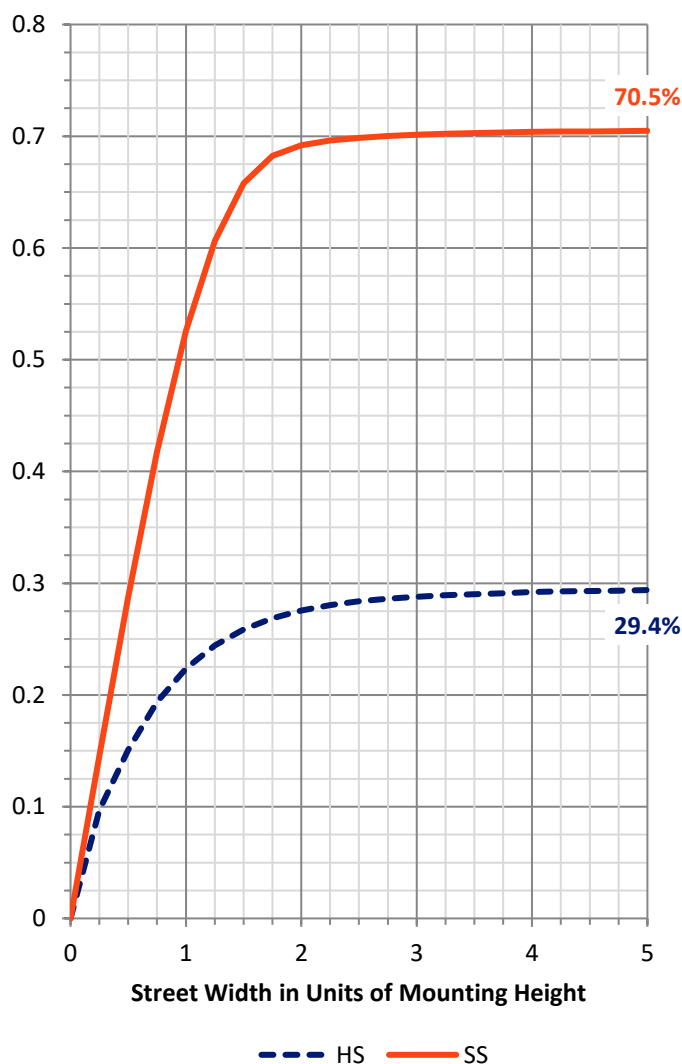
FLUX DISTRIBUTION:

| | | Downward | Upward | Total |
|--------------------|-----------|----------|--------|---------|
| House Side | Lumens | 11826.2 | 0.0 | 11826.2 |
| | % Fixture | 29.5 | 0.0 | 29.5 |
| Street Side | Lumens | 28218.8 | 0.0 | 28218.8 |
| | % Fixture | 70.5 | 0.0 | 70.5 |
| Total | Lumens | 40045.0 | 0.0 | 40045.0 |
| | % Fixture | 100.0 | 0.0 | 100.0 |

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|---------|-----------|
| 0°-10° | 931.5 | 2.3 |
| 10°-20° | 2549.4 | 6.4 |
| 20°-30° | 4361.5 | 10.9 |
| 30°-40° | 6684.6 | 16.7 |
| 40°-50° | 9034.2 | 22.6 |
| 50°-60° | 10376.0 | 25.9 |
| 60°-70° | 4729.7 | 11.8 |
| 70°-80° | 1166.1 | 2.9 |
| 80°-90° | 211.9 | 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° | 40045.0 | 100.0 |
| 0°-180° | 40045.0 | 100.0 |

Coefficient of Utilization

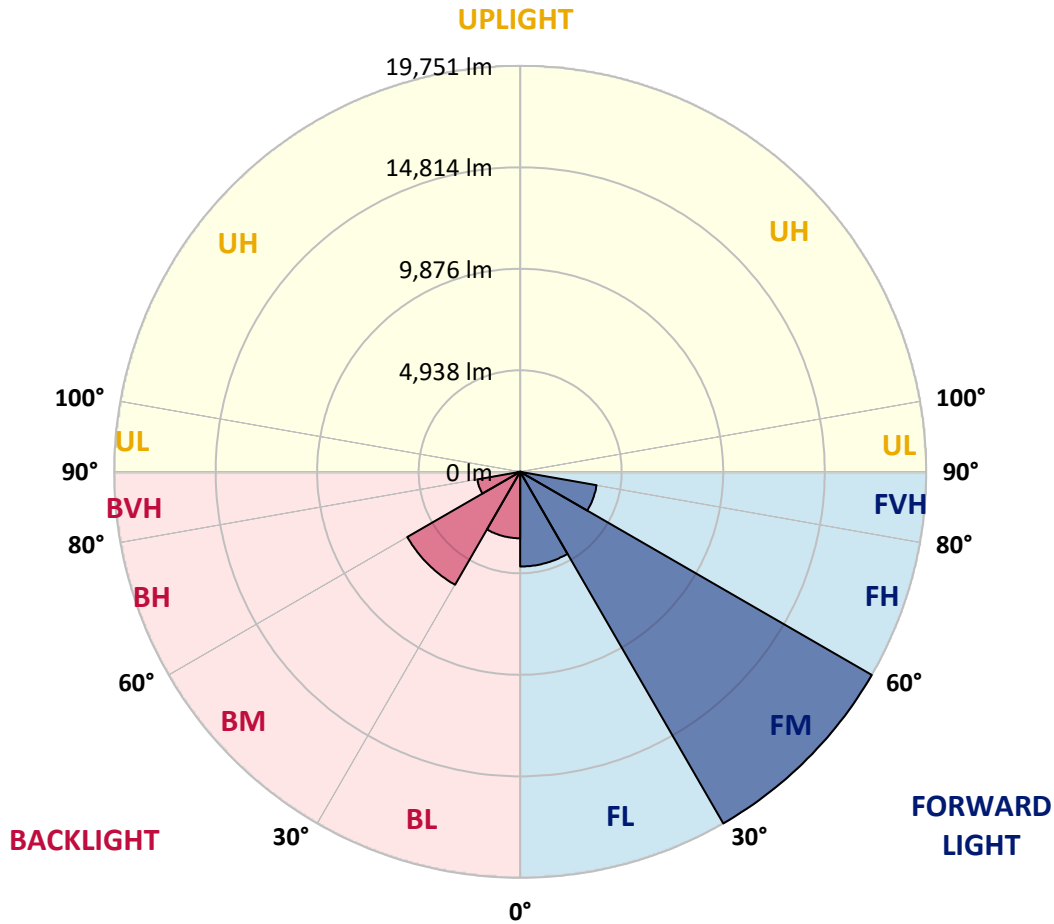


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

| Zone | Lumens | % Fixture | Zone Rating/Lumen Limit | | |
|----------------|---------|-----------|-------------------------|------|---------|
| | | | B | U | G |
| FL (0°-30°) | 4607.5 | 11.5 | | | |
| FM (30°-60°) | 19751.4 | 49.3 | | | |
| FH (60°-80°) | 3775.3 | 9.4 | | | G2/5000 |
| FVH (80°-90°) | 84.6 | 0.2 | | | G1/100 |
| BL (0°-30°) | 3235.0 | 8.1 | B4/5000 | | |
| BM (30°-60°) | 6343.4 | 15.8 | B4/8500 | | |
| BH (60°-80°) | 2120.5 | 5.3 | B3/2500 | | G3/2500 |
| BVH (80°-90°) | 127.3 | 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 II Short





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CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 15° | 25° | 35° | 45° | 55° | 65° | 75° | 79° | 85° |
|-------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 0° | 10245.9 | 10245.9 | 10245.9 | 10245.9 | 10245.9 | 10245.9 | 10245.9 | 10245.9 | 10245.9 | 10245.9 | 10245.9 |
| 2.5° | 9747.1 | 9722.2 | 9782.0 | 9826.9 | 9881.8 | 9951.6 | 9986.5 | 10006.5 | 10181.1 | 10136.2 | 10270.9 |
| 5° | 9537.6 | 9472.7 | 9517.6 | 9552.6 | 9647.3 | 9732.1 | 9826.9 | 9976.6 | 10136.2 | 10206.0 | 10370.6 |
| 7.5° | 9353.0 | 9318.1 | 9308.1 | 9333.1 | 9462.8 | 9572.5 | 9737.1 | 9956.6 | 10216.0 | 10330.7 | 10425.5 |
| 10° | 9048.7 | 8998.9 | 9073.7 | 9238.3 | 9273.2 | 9502.7 | 9692.2 | 10006.5 | 10231.0 | 10430.5 | 10709.8 |
| 12.5° | 8914.1 | 8864.2 | 8879.1 | 8973.9 | 9218.3 | 9437.8 | 9662.3 | 10016.5 | 10490.4 | 10570.2 | 10944.3 |
| 15° | 9128.6 | 9078.7 | 9093.6 | 9068.7 | 9303.1 | 9417.9 | 9772.0 | 10216.0 | 10669.9 | 10804.6 | 11203.7 |
| 17.5° | 9617.4 | 9622.4 | 9557.5 | 9502.7 | 9447.8 | 9692.2 | 9936.7 | 10335.7 | 10739.8 | 11079.0 | 11378.3 |
| 20° | 10550.2 | 10385.6 | 10255.9 | 9946.6 | 9861.8 | 9966.6 | 10275.9 | 10660.0 | 11024.1 | 11303.4 | 11642.6 |
| 22.5° | 11268.5 | 11283.5 | 11098.9 | 10590.1 | 10405.6 | 10450.4 | 10714.8 | 11029.1 | 11428.2 | 11627.7 | 12016.8 |
| 25° | 12311.1 | 12206.3 | 12006.8 | 11602.7 | 11188.7 | 11223.6 | 11418.2 | 11702.5 | 11812.3 | 11951.9 | 12375.9 |
| 27.5° | 13263.8 | 13293.8 | 12899.7 | 12520.6 | 12006.8 | 11907.0 | 12256.2 | 12306.1 | 12121.5 | 12385.9 | 12530.6 |
| 30° | 14231.6 | 14206.6 | 13947.2 | 13503.3 | 12999.5 | 13019.4 | 13174.1 | 12929.6 | 12675.2 | 12819.9 | 12919.6 |
| 32.5° | 15234.2 | 14949.9 | 14939.9 | 14540.8 | 14156.7 | 13972.2 | 13782.6 | 13902.3 | 13508.3 | 13538.2 | 13443.4 |
| 35° | 16037.3 | 16077.2 | 15847.8 | 15563.4 | 15373.9 | 15049.6 | 14530.9 | 14745.4 | 14670.5 | 14635.6 | 14226.6 |
| 37.5° | 16621.0 | 16466.3 | 16581.0 | 16486.3 | 16306.7 | 15902.6 | 15363.9 | 15568.4 | 15603.3 | 15772.9 | 15299.1 |
| 40° | 17099.8 | 17035.0 | 17339.3 | 17389.1 | 17264.4 | 16391.5 | 15423.8 | 16032.3 | 16556.1 | 16925.2 | 16361.6 |
| 42.5° | 17329.3 | 17469.0 | 17788.2 | 18172.3 | 17893.0 | 16960.2 | 15733.0 | 16386.5 | 17553.8 | 18137.4 | 17369.2 |
| 45° | 17638.6 | 17459.0 | 17932.9 | 18636.2 | 18641.2 | 17439.0 | 16032.3 | 16865.4 | 18331.9 | 19179.9 | 18057.6 |
| 47.5° | 17324.3 | 17414.1 | 17902.9 | 18795.8 | 19025.3 | 17942.8 | 16840.4 | 17543.8 | 19189.9 | 19943.1 | 18696.1 |
| 50° | 16621.0 | 16800.5 | 17693.4 | 18621.3 | 19314.6 | 18476.6 | 17768.3 | 18277.1 | 19983.1 | 20556.7 | 18800.8 |
| 52.5° | 15887.7 | 15987.4 | 17384.2 | 18755.9 | 19444.3 | 19165.0 | 19010.3 | 19289.7 | 20950.8 | 21250.1 | 18930.5 |
| 55° | 13892.4 | 14366.3 | 16361.6 | 18696.1 | 20077.8 | 20407.1 | 20287.3 | 20696.4 | 22048.2 | 22347.5 | 19638.9 |
| 56° | 12969.5 | 13218.9 | 15748.0 | 18416.7 | 20202.5 | 20861.0 | 20801.1 | 20985.7 | 22631.8 | 22946.1 | 19748.6 |
| 57.5° | 11263.5 | 11283.5 | 13428.5 | 17179.6 | 19733.6 | 20995.7 | 20935.8 | 21080.5 | 22517.1 | 22302.6 | 18785.9 |
| 60° | 7048.4 | 7357.7 | 9138.5 | 13214.0 | 16780.6 | 19479.2 | 19818.4 | 18656.2 | 18985.4 | 18531.5 | 14615.7 |
| 62.5° | 3651.4 | 3606.5 | 4788.8 | 7726.8 | 11138.8 | 13947.2 | 14261.5 | 14206.6 | 13697.8 | 13034.4 | 9547.6 |
| 65° | 1820.7 | 1830.7 | 2504.1 | 3826.0 | 5706.6 | 7302.8 | 8180.8 | 8275.6 | 6923.7 | 6370.0 | 4529.4 |
| 67.5° | 1321.9 | 1371.8 | 1800.8 | 2339.5 | 2688.7 | 3007.9 | 3686.3 | 3616.5 | 2738.6 | 2603.9 | 2414.3 |
| 70° | 1027.6 | 1072.5 | 1461.6 | 1785.8 | 1621.2 | 1621.2 | 1765.9 | 1825.7 | 1950.4 | 2005.3 | 2070.1 |
| 72.5° | 748.2 | 783.2 | 1117.4 | 1232.1 | 1062.5 | 1142.3 | 1321.9 | 1461.6 | 1591.3 | 1611.2 | 1686.0 |
| 75° | 513.8 | 543.7 | 733.3 | 678.4 | 638.5 | 788.1 | 967.7 | 1097.4 | 1192.2 | 1242.1 | 1287.0 |
| 77.5° | 334.2 | 344.2 | 419.0 | 354.2 | 409.0 | 508.8 | 628.5 | 738.3 | 833.0 | 872.9 | 882.9 |
| 80° | 149.6 | 164.6 | 179.6 | 224.5 | 284.3 | 364.1 | 448.9 | 538.7 | 598.6 | 613.6 | 643.5 |
| 82.5° | 84.8 | 84.8 | 109.7 | 159.6 | 209.5 | 264.4 | 324.2 | 389.1 | 458.9 | 473.9 | 468.9 |
| 85° | 44.9 | 44.9 | 64.8 | 94.8 | 129.7 | 154.6 | 149.6 | 154.6 | 164.6 | 189.6 | 184.6 |
| 87.5° | 15.0 | 15.0 | 20.0 | 20.0 | 24.9 | 29.9 | 24.9 | 34.9 | 44.9 | 44.9 | 44.9 |
| 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-T3R-GRSWH

CANDELA DISTRIBUTION (continued):

| | 90° | 95° | 105° | 115° | 125° | 135° | 145° | 155° | 165° | 175° | 180° |
|-------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 0° | 10245.9 | 10245.9 | 10245.9 | 10245.9 | 10245.9 | 10245.9 | 10245.9 | 10245.9 | 10245.9 | 10245.9 | 10245.9 |
| 2.5° | 10231.0 | 10275.9 | 10216.0 | 10345.7 | 10345.7 | 10320.8 | 10196.0 | 10236.0 | 10265.9 | 10265.9 | 10290.8 |
| 5° | 10425.5 | 10410.5 | 10450.4 | 10295.8 | 10201.0 | 10166.1 | 9961.6 | 9861.8 | 9777.0 | 9772.0 | 9697.2 |
| 7.5° | 10535.3 | 10495.3 | 10480.4 | 10365.6 | 9946.6 | 9692.2 | 9253.3 | 8998.9 | 8944.0 | 8749.4 | 8824.3 |
| 10° | 10709.8 | 10784.7 | 10709.8 | 10086.3 | 9502.7 | 8919.0 | 8490.1 | 8096.0 | 7941.3 | 7816.6 | 7741.8 |
| 12.5° | 11069.0 | 11034.1 | 10600.1 | 9757.1 | 8939.0 | 8245.6 | 7607.1 | 7193.1 | 7038.5 | 6928.7 | 6918.7 |
| 15° | 11373.3 | 11198.7 | 10535.3 | 9238.3 | 8061.1 | 7322.8 | 6799.0 | 6504.7 | 6434.9 | 6444.9 | 6489.8 |
| 17.5° | 11478.0 | 11358.3 | 10196.0 | 8699.6 | 7407.6 | 6539.6 | 6295.2 | 6250.3 | 6315.2 | 6390.0 | 6409.9 |
| 20° | 11642.6 | 11453.1 | 10056.4 | 7966.3 | 6599.5 | 6050.8 | 6035.8 | 6195.4 | 6315.2 | 6424.9 | 6439.9 |
| 22.5° | 11986.8 | 11508.0 | 9602.4 | 7272.9 | 6045.8 | 5906.1 | 6050.8 | 6185.5 | 6370.0 | 6459.8 | 6380.0 |
| 25° | 12086.6 | 11388.2 | 8963.9 | 6439.9 | 5696.6 | 5816.3 | 5971.0 | 6155.5 | 6285.2 | 6335.1 | 6370.0 |
| 27.5° | 12171.4 | 11203.7 | 8101.0 | 5886.2 | 5586.9 | 5811.3 | 5971.0 | 6125.6 | 6195.4 | 6240.3 | 6280.2 |
| 30° | 12410.8 | 11148.8 | 7352.7 | 5517.0 | 5517.0 | 5711.6 | 5916.1 | 5956.0 | 6050.8 | 6105.7 | 6175.5 |
| 32.5° | 12530.6 | 10769.7 | 6584.5 | 5282.6 | 5447.2 | 5761.5 | 5776.4 | 5851.3 | 5856.2 | 5901.1 | 5826.3 |
| 35° | 12844.8 | 10500.3 | 5871.2 | 5113.0 | 5477.1 | 5711.6 | 5786.4 | 5741.5 | 5497.1 | 5377.4 | 5402.3 |
| 37.5° | 13074.3 | 10365.6 | 5357.4 | 5093.0 | 5482.1 | 5766.5 | 5806.4 | 5467.2 | 5212.8 | 5013.2 | 5063.1 |
| 40° | 13692.8 | 10031.4 | 4968.3 | 5058.1 | 5527.0 | 5826.3 | 5716.6 | 5347.4 | 4888.5 | 4684.0 | 4649.1 |
| 42.5° | 14166.7 | 9792.0 | 4723.9 | 5018.2 | 5561.9 | 5911.1 | 5671.7 | 5108.0 | 4639.1 | 4449.5 | 4499.4 |
| 45° | 14715.4 | 9737.1 | 4594.2 | 5028.2 | 5621.8 | 5956.0 | 5616.8 | 4923.4 | 4424.6 | 4349.8 | 4334.8 |
| 47.5° | 14910.0 | 9343.1 | 4454.5 | 4943.4 | 5606.8 | 5941.0 | 5432.2 | 4783.8 | 4344.8 | 4354.8 | 4394.7 |
| 50° | 14585.7 | 8939.0 | 4349.8 | 4768.8 | 5507.1 | 5806.4 | 5142.9 | 4599.2 | 4299.9 | 4424.6 | 4494.4 |
| 52.5° | 14171.7 | 8525.0 | 4135.3 | 4534.3 | 5302.5 | 5596.9 | 5008.2 | 4589.2 | 4255.0 | 4215.1 | 4230.1 |
| 55° | 14296.4 | 8185.8 | 3836.0 | 4215.1 | 4973.3 | 5207.8 | 4858.6 | 4494.4 | 4145.3 | 3995.6 | 4045.5 |
| 56° | 13892.4 | 7836.6 | 3641.4 | 4015.6 | 4748.8 | 4958.4 | 4783.8 | 4409.6 | 4055.5 | 3955.7 | 3955.7 |
| 57.5° | 12750.0 | 6664.3 | 3387.0 | 3696.3 | 4275.0 | 4524.4 | 4639.1 | 4359.8 | 3955.7 | 3781.1 | 3786.1 |
| 60° | 9402.9 | 4738.9 | 3037.9 | 3257.3 | 3541.7 | 3741.2 | 4275.0 | 4220.1 | 3706.3 | 3586.6 | 3541.7 |
| 62.5° | 5796.4 | 3461.9 | 2788.4 | 2873.3 | 3017.9 | 3182.5 | 3731.2 | 3821.0 | 3441.9 | 3312.2 | 3282.3 |
| 65° | 3247.4 | 2648.8 | 2598.9 | 2633.8 | 2703.6 | 2788.4 | 3097.7 | 3297.3 | 3037.9 | 2838.3 | 2828.4 |
| 67.5° | 2374.4 | 2369.4 | 2409.3 | 2439.3 | 2469.2 | 2469.2 | 2544.0 | 2623.8 | 2588.9 | 2429.3 | 2414.3 |
| 70° | 2110.0 | 2125.0 | 2154.9 | 2159.9 | 2169.9 | 2135.0 | 2075.1 | 2050.2 | 2090.1 | 1990.3 | 1970.4 |
| 72.5° | 1740.9 | 1790.8 | 1825.7 | 1830.7 | 1775.8 | 1730.9 | 1651.1 | 1566.3 | 1536.4 | 1516.4 | 1511.4 |
| 75° | 1336.9 | 1371.8 | 1386.7 | 1381.8 | 1361.8 | 1297.0 | 1202.2 | 1117.4 | 1062.5 | 1002.6 | 1032.6 |
| 77.5° | 902.9 | 952.8 | 977.7 | 977.7 | 947.8 | 848.0 | 803.1 | 738.3 | 683.4 | 618.5 | 628.5 |
| 80° | 633.5 | 668.4 | 708.3 | 703.3 | 653.5 | 603.6 | 538.7 | 478.9 | 434.0 | 384.1 | 379.1 |
| 82.5° | 473.9 | 493.8 | 513.8 | 503.8 | 468.9 | 419.0 | 374.1 | 319.3 | 269.4 | 234.4 | 234.4 |
| 85° | 169.6 | 184.6 | 224.5 | 234.4 | 254.4 | 254.4 | 214.5 | 179.6 | 144.7 | 119.7 | 119.7 |
| 87.5° | 49.9 | 49.9 | 54.9 | 54.9 | 49.9 | 54.9 | 44.9 | 49.9 | 54.9 | 34.9 | 34.9 |
| 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)