

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: P452614

Luminaire Tested: **GLAN-SA3C-750-U-T2-HSS**

Issue Date: 1/4/2021

Test Information

Test Method: LM-79-08
Report Number: P452614
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-042-11)
Test Lab: INNOVATION CENTER
Issue Date: 1/4/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SA3C-750-U-T2-HSS
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(3) 70 CRI, 5000K, 1050mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 15689 lumens
Efficiency: N/A
Efficacy: 98.1 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type II - Short
BUG Rating: B1 - U0 - G3

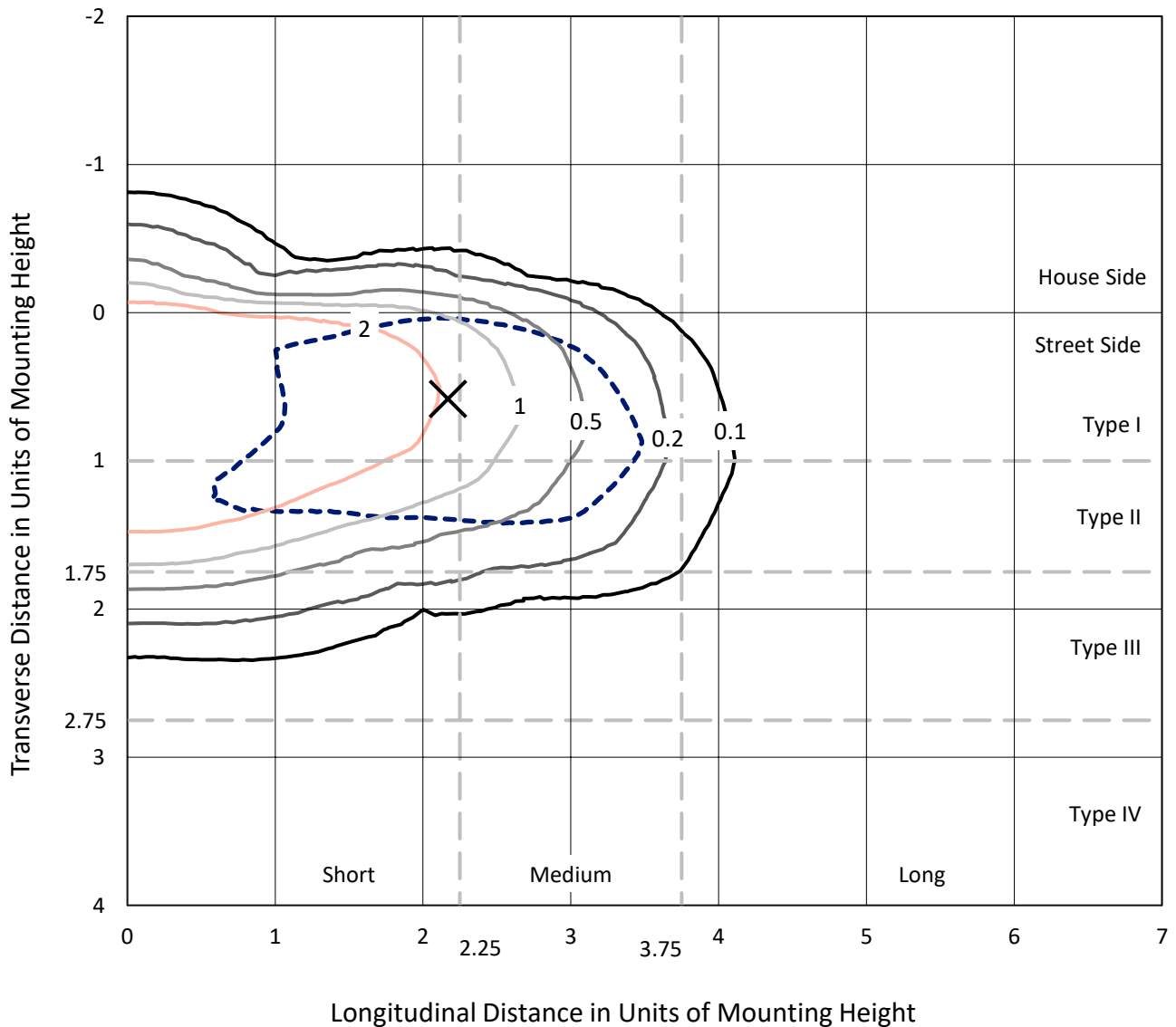
Input Watts (W): 160
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

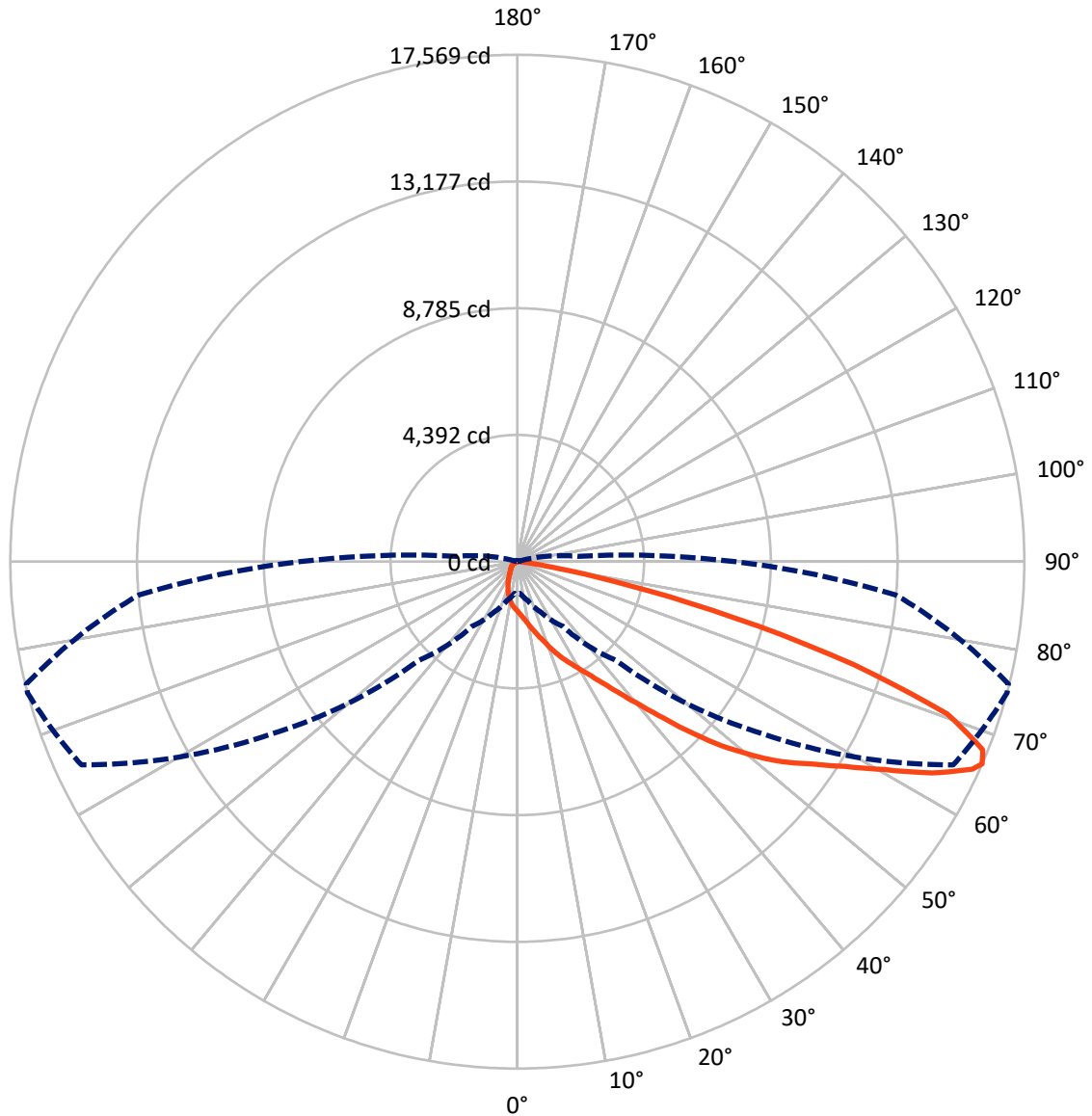
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4.7 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 75-Deg Lateral - - - Horizontal Cone Through 66-Deg Vertical

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FLUX DISTRIBUTION:

| | | Downward | Upward | Total |
|--------------------|-----------|----------|--------|---------|
| House Side | Lumens | 968.6 | 0.0 | 968.6 |
| | % Fixture | 6.2 | 0.0 | 6.2 |
| Street Side | Lumens | 14720.4 | 0.0 | 14720.4 |
| | % Fixture | 93.8 | 0.0 | 93.8 |
| Total | Lumens | 15689.0 | 0.0 | 15689.0 |
| | % Fixture | 100.0 | 0.0 | 100.0 |

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|---------|-----------|
| 0°-10° | 165.5 | 1.1 |
| 10°-20° | 487.0 | 3.1 |
| 20°-30° | 841.0 | 5.4 |
| 30°-40° | 1517.0 | 9.7 |
| 40°-50° | 2740.5 | 17.5 |
| 50°-60° | 4272.4 | 27.2 |
| 60°-70° | 4058.6 | 25.9 |
| 70°-80° | 1521.1 | 9.7 |
| 80°-90° | 85.8 | 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° | 15689.0 | 100.0 |
| 0°-180° | 15689.0 | 100.0 |

Coefficient of Utilization



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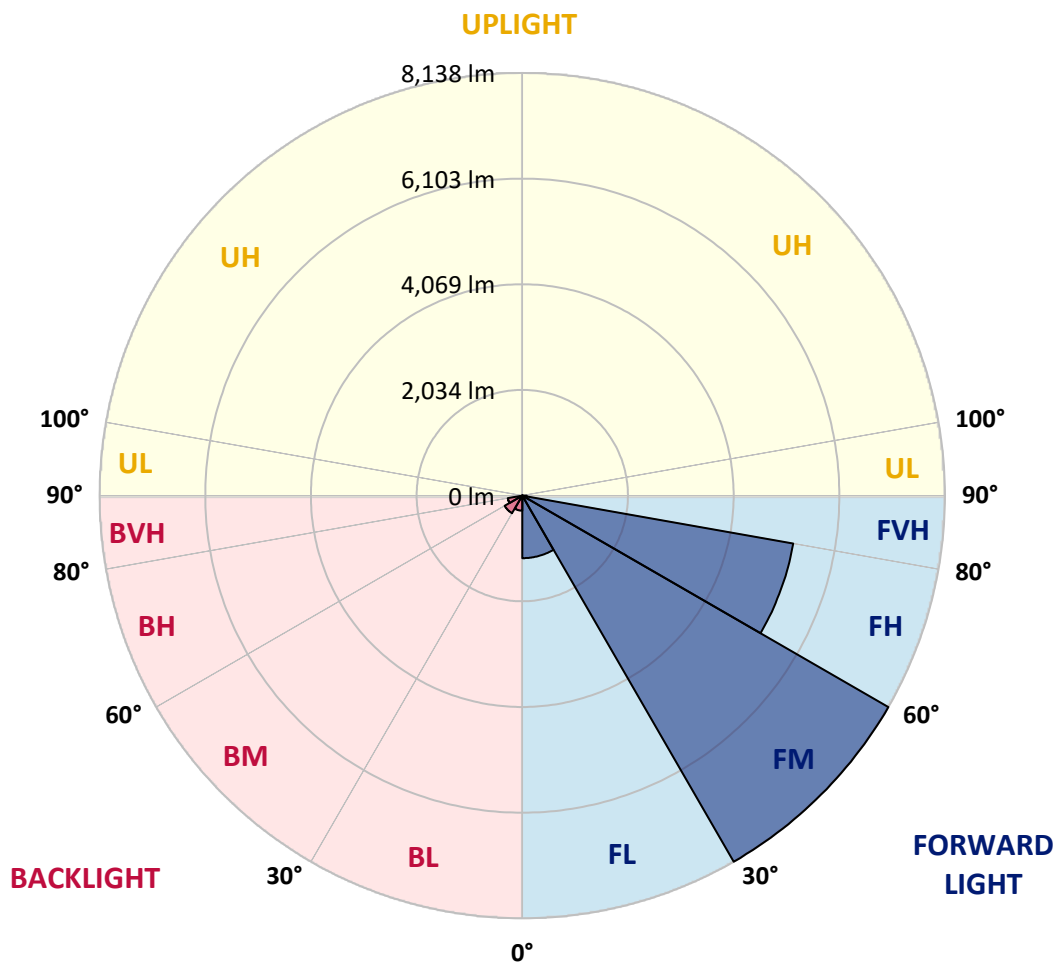
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

| Zone | Lumens | % Fixture | Zone Rating/Lumen Limit | | |
|----------------|--------|-----------|-------------------------|------|---------|
| | | | B | U | G |
| FL (0°-30°) | 1204.3 | 7.7 | | | |
| FM (30°-60°) | 8137.9 | 51.9 | | | |
| FH (60°-80°) | 5296.9 | 33.8 | | | G3/7500 |
| FVH (80°-90°) | 81.4 | 0.5 | | | G1/100 |
| BL (0°-30°) | 289.3 | 1.8 | B1/500 | | |
| BM (30°-60°) | 392.1 | 2.5 | B1/1000 | | |
| BH (60°-80°) | 282.8 | 1.8 | B1/500 | | G1/500 |
| BVH (80°-90°) | 4.4 | 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-G3

Type II Short





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CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 15° | 25° | 35° | 45° | 55° | 65° | 75° | 76° | 85° |
|-------|--------|--------|--------|--------|--------|---------|---------|---------|---------|---------|---------|
| 0° | 1715.7 | 1715.7 | 1715.7 | 1715.7 | 1715.7 | 1715.7 | 1715.7 | 1715.7 | 1715.7 | 1715.7 | 1715.7 |
| 2.5° | 2049.8 | 2024.3 | 2032.4 | 2020.8 | 1994.2 | 1954.7 | 1919.9 | 1870.0 | 1820.2 | 1812.0 | 1756.3 |
| 5° | 2320.1 | 2313.2 | 2303.9 | 2270.3 | 2251.7 | 2191.4 | 2119.5 | 2033.6 | 1930.4 | 1911.8 | 1810.9 |
| 7.5° | 2504.6 | 2501.1 | 2505.8 | 2488.4 | 2472.1 | 2417.6 | 2341.0 | 2223.9 | 2063.8 | 2053.3 | 1885.1 |
| 10° | 2564.9 | 2574.2 | 2591.6 | 2619.4 | 2645.0 | 2627.6 | 2569.6 | 2423.4 | 2236.6 | 2206.5 | 1969.8 |
| 12.5° | 2530.1 | 2540.6 | 2582.3 | 2656.6 | 2738.9 | 2786.5 | 2763.3 | 2656.6 | 2419.9 | 2395.5 | 2064.9 |
| 15° | 2440.8 | 2453.6 | 2512.7 | 2627.6 | 2774.9 | 2909.5 | 2967.5 | 2890.9 | 2633.4 | 2593.9 | 2179.8 |
| 17.5° | 2308.5 | 2327.1 | 2411.8 | 2563.8 | 2765.6 | 2997.6 | 3161.2 | 3135.7 | 2860.7 | 2823.6 | 2305.1 |
| 20° | 2208.8 | 2222.7 | 2294.6 | 2468.6 | 2726.2 | 3046.4 | 3345.6 | 3417.6 | 3141.5 | 3077.7 | 2452.4 |
| 22.5° | 2274.9 | 2279.5 | 2303.9 | 2408.3 | 2655.4 | 3059.1 | 3508.1 | 3711.1 | 3439.6 | 3382.8 | 2605.5 |
| 25° | 2598.6 | 2552.2 | 2527.8 | 2504.6 | 2640.3 | 3047.5 | 3655.4 | 4017.3 | 3736.6 | 3676.3 | 2757.5 |
| 27.5° | 3109.0 | 3088.1 | 2965.1 | 2800.4 | 2769.1 | 3062.6 | 3752.8 | 4307.3 | 4016.2 | 3951.2 | 2906.0 |
| 30° | 3664.7 | 3628.7 | 3553.3 | 3312.0 | 3069.6 | 3169.3 | 3823.6 | 4589.2 | 4346.8 | 4260.9 | 3041.7 |
| 32.5° | 4175.1 | 4198.3 | 4085.8 | 3837.5 | 3556.8 | 3396.7 | 3915.2 | 4896.7 | 4726.1 | 4619.4 | 3199.5 |
| 35° | 4770.2 | 4816.6 | 4643.8 | 4406.0 | 4077.7 | 3807.4 | 4093.9 | 5243.5 | 5207.6 | 5073.0 | 3443.1 |
| 37.5° | 5374.6 | 5402.5 | 5296.9 | 4962.8 | 4667.0 | 4329.4 | 4430.3 | 5671.6 | 5800.4 | 5685.5 | 3734.3 |
| 40° | 5882.7 | 5921.0 | 5843.3 | 5546.3 | 5230.8 | 4933.8 | 4918.7 | 6137.9 | 6505.7 | 6387.4 | 4168.1 |
| 42.5° | 6271.4 | 6300.4 | 6302.7 | 6092.7 | 5808.5 | 5673.9 | 5541.7 | 6733.1 | 7389.7 | 7252.8 | 4671.6 |
| 45° | 6762.1 | 6803.8 | 6779.5 | 6636.8 | 6424.5 | 6400.1 | 6331.7 | 7452.3 | 8447.6 | 8274.8 | 5324.7 |
| 47.5° | 7520.8 | 7548.6 | 7488.3 | 7320.1 | 7104.3 | 7142.6 | 7102.0 | 8258.6 | 9526.5 | 9378.0 | 6001.1 |
| 50° | 8047.4 | 8093.8 | 8179.7 | 8247.0 | 8090.3 | 7948.8 | 7828.2 | 9011.4 | 10550.9 | 10417.5 | 6692.5 |
| 52.5° | 8041.6 | 8118.2 | 8389.6 | 8728.4 | 9070.6 | 9027.7 | 8680.8 | 9843.2 | 11528.8 | 11364.1 | 7342.1 |
| 55° | 7499.9 | 7648.4 | 8047.4 | 8648.3 | 9596.1 | 10068.3 | 9910.5 | 10806.1 | 12373.3 | 12262.0 | 8095.0 |
| 57.5° | 6381.6 | 6472.0 | 7026.6 | 7866.5 | 9302.6 | 10557.8 | 11335.1 | 12111.2 | 13386.1 | 13333.9 | 9264.3 |
| 60° | 4292.3 | 4332.9 | 5046.3 | 6084.6 | 7919.8 | 10069.4 | 12379.1 | 13690.0 | 14633.2 | 14607.6 | 10629.7 |
| 62.5° | 2459.4 | 2476.8 | 2994.1 | 3870.0 | 5635.6 | 8533.5 | 12467.3 | 15637.8 | 16128.5 | 16142.4 | 12209.8 |
| 65° | 1323.6 | 1332.9 | 1750.5 | 2271.4 | 3429.2 | 6082.3 | 11210.9 | 16705.0 | 17337.3 | 17364.0 | 13188.9 |
| 66° | 1142.7 | 1098.6 | 1393.2 | 1936.2 | 2728.5 | 4841.0 | 10416.3 | 16666.8 | 17569.3 | 17540.3 | 13154.1 |
| 67.5° | 868.9 | 908.3 | 1112.5 | 1488.4 | 2022.0 | 3441.9 | 8599.6 | 15925.5 | 17393.0 | 17302.5 | 12619.3 |
| 70° | 621.8 | 638.0 | 792.3 | 1061.5 | 1377.0 | 1888.6 | 5495.3 | 13227.1 | 15808.3 | 15686.5 | 10994.0 |
| 72.5° | 401.4 | 418.8 | 561.5 | 768.0 | 995.3 | 1031.3 | 3076.5 | 9556.7 | 12187.7 | 12170.3 | 8279.4 |
| 75° | 286.5 | 302.8 | 371.2 | 549.9 | 748.2 | 638.0 | 1481.4 | 6440.7 | 7748.1 | 7695.9 | 5121.7 |
| 77.5° | 207.7 | 215.8 | 248.3 | 359.6 | 534.8 | 457.1 | 686.8 | 3439.6 | 3857.2 | 4039.4 | 2263.3 |
| 80° | 119.5 | 126.4 | 172.9 | 219.3 | 361.9 | 312.1 | 328.3 | 1380.5 | 1423.4 | 1355.0 | 707.6 |
| 82.5° | 59.2 | 67.3 | 103.2 | 149.6 | 226.2 | 210.0 | 150.8 | 415.3 | 438.5 | 426.9 | 178.7 |
| 85° | 13.9 | 17.4 | 58.0 | 98.6 | 110.2 | 94.0 | 73.1 | 121.8 | 150.8 | 147.3 | 68.4 |
| 87.5° | 1.2 | 2.3 | 20.9 | 17.4 | 18.6 | 31.3 | 25.5 | 31.3 | 48.7 | 45.2 | 24.4 |
| 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-SA3C-750-U-T2-HSS

CANDELA DISTRIBUTION (continued):

| | 90° | 95° | 105° | 115° | 125° | 135° | 145° | 155° | 165° | 175° | 180° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 1715.7 | 1715.7 | 1715.7 | 1715.7 | 1715.7 | 1715.7 | 1715.7 | 1715.7 | 1715.7 | 1715.7 | 1715.7 |
| 2.5° | 1730.8 | 1708.8 | 1645.0 | 1582.3 | 1530.1 | 1475.6 | 1425.7 | 1396.7 | 1385.1 | 1372.4 | 1378.2 |
| 5° | 1755.2 | 1701.8 | 1573.1 | 1461.7 | 1352.6 | 1259.8 | 1185.6 | 1138.0 | 1114.8 | 1111.3 | 1105.5 |
| 7.5° | 1787.7 | 1696.0 | 1496.5 | 1322.5 | 1179.8 | 1076.5 | 991.9 | 923.4 | 902.5 | 884.0 | 868.9 |
| 10° | 1827.1 | 1685.6 | 1401.4 | 1176.3 | 1024.3 | 894.4 | 783.0 | 701.8 | 660.1 | 648.5 | 656.6 |
| 12.5° | 1868.9 | 1665.9 | 1301.6 | 1041.7 | 866.6 | 700.7 | 597.4 | 556.8 | 545.2 | 540.6 | 541.8 |
| 15° | 1910.6 | 1641.5 | 1197.2 | 911.8 | 690.2 | 559.2 | 511.6 | 501.2 | 496.5 | 494.2 | 491.9 |
| 17.5° | 1948.9 | 1602.1 | 1080.0 | 785.4 | 559.2 | 477.9 | 460.5 | 451.3 | 442.0 | 438.5 | 432.7 |
| 20° | 1994.2 | 1556.8 | 974.5 | 643.8 | 473.3 | 432.7 | 411.8 | 394.4 | 380.5 | 371.2 | 370.1 |
| 22.5° | 2037.1 | 1498.8 | 864.3 | 533.6 | 431.5 | 388.6 | 355.0 | 336.4 | 320.2 | 308.6 | 312.1 |
| 25° | 2060.3 | 1428.0 | 765.6 | 465.2 | 393.3 | 344.5 | 307.4 | 284.2 | 266.8 | 261.0 | 259.9 |
| 27.5° | 2060.3 | 1341.0 | 669.4 | 425.7 | 358.5 | 305.1 | 266.8 | 244.8 | 233.2 | 225.1 | 226.2 |
| 30° | 2044.0 | 1244.8 | 580.0 | 395.6 | 328.3 | 270.3 | 234.3 | 214.6 | 205.3 | 199.5 | 198.4 |
| 32.5° | 2031.3 | 1153.1 | 503.5 | 366.6 | 297.0 | 240.1 | 208.8 | 193.7 | 184.5 | 178.7 | 178.7 |
| 35° | 2051.0 | 1074.2 | 444.3 | 337.6 | 268.0 | 216.9 | 189.1 | 175.2 | 165.9 | 161.3 | 160.1 |
| 37.5° | 2103.2 | 1002.3 | 399.1 | 306.3 | 241.3 | 197.2 | 175.2 | 158.9 | 149.6 | 143.8 | 141.5 |
| 40° | 2232.0 | 961.7 | 365.4 | 277.3 | 215.8 | 181.0 | 158.9 | 143.8 | 132.2 | 126.4 | 125.3 |
| 42.5° | 2438.5 | 962.9 | 332.9 | 250.6 | 196.1 | 167.1 | 145.0 | 127.6 | 114.8 | 109.0 | 107.9 |
| 45° | 2749.4 | 1006.9 | 307.4 | 225.1 | 178.7 | 152.0 | 129.9 | 111.4 | 99.8 | 94.0 | 94.0 |
| 47.5° | 3121.8 | 1092.8 | 285.4 | 203.0 | 162.4 | 138.0 | 114.8 | 96.3 | 84.7 | 80.0 | 80.0 |
| 50° | 3525.5 | 1204.2 | 263.3 | 179.8 | 148.5 | 123.0 | 98.6 | 83.5 | 74.2 | 70.8 | 70.8 |
| 52.5° | 3937.3 | 1338.7 | 241.3 | 161.3 | 133.4 | 106.7 | 84.7 | 74.2 | 66.1 | 63.8 | 62.6 |
| 55° | 4477.9 | 1510.4 | 218.1 | 141.5 | 117.2 | 91.6 | 75.4 | 65.0 | 55.7 | 52.2 | 51.0 |
| 57.5° | 5309.7 | 1769.1 | 192.6 | 124.1 | 96.3 | 76.6 | 65.0 | 54.5 | 44.1 | 38.3 | 37.1 |
| 60° | 6313.1 | 2084.7 | 165.9 | 109.0 | 77.7 | 62.6 | 52.2 | 41.8 | 32.5 | 25.5 | 24.4 |
| 62.5° | 7252.8 | 2285.3 | 140.4 | 91.6 | 61.5 | 47.6 | 37.1 | 31.3 | 23.2 | 16.2 | 15.1 |
| 65° | 7668.1 | 2218.1 | 116.0 | 74.2 | 48.7 | 33.6 | 24.4 | 22.0 | 13.9 | 7.0 | 5.8 |
| 66° | 7530.0 | 2118.3 | 106.7 | 67.3 | 44.1 | 29.0 | 20.9 | 18.6 | 10.4 | 3.5 | 3.5 |
| 67.5° | 7122.8 | 1882.8 | 92.8 | 58.0 | 38.3 | 23.2 | 16.2 | 13.9 | 5.8 | 1.2 | 0.0 |
| 70° | 6103.1 | 1523.2 | 73.1 | 42.9 | 27.8 | 16.2 | 9.3 | 7.0 | 3.5 | 0.0 | 0.0 |
| 72.5° | 4687.9 | 1134.6 | 58.0 | 32.5 | 19.7 | 9.3 | 4.6 | 2.3 | 3.5 | 0.0 | 0.0 |
| 75° | 2872.3 | 648.5 | 45.2 | 24.4 | 12.8 | 5.8 | 3.5 | 0.0 | 3.5 | 1.2 | 0.0 |
| 77.5° | 1274.9 | 291.2 | 30.2 | 16.2 | 9.3 | 4.6 | 2.3 | 0.0 | 2.3 | 1.2 | 0.0 |
| 80° | 322.5 | 95.1 | 17.4 | 11.6 | 7.0 | 3.5 | 1.2 | 0.0 | 2.3 | 2.3 | 1.2 |
| 82.5° | 88.2 | 34.8 | 12.8 | 9.3 | 5.8 | 3.5 | 1.2 | 0.0 | 2.3 | 2.3 | 2.3 |
| 85° | 34.8 | 16.2 | 11.6 | 9.3 | 7.0 | 3.5 | 1.2 | 0.0 | 2.3 | 2.3 | 2.3 |
| 87.5° | 16.2 | 11.6 | 11.6 | 10.4 | 8.1 | 3.5 | 1.2 | 0.0 | 2.3 | 1.2 | 2.3 |
| 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)