

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: P522807

Luminaire Tested: **GLAN-SA6B-750-U-T4W**

Issue Date: 5/13/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P522807  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2011-042-41)  
Test Lab: INNOVATION CENTER  
Issue Date: 5/13/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: GLAN-SA6B-750-U-T4W  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(6) 70 CRI, 5000K, 800mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE IV WIDE OPTICS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 33767 lumens  
Efficiency: N/A  
Efficacy: 139.0 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')  
IES Classification: Type IV - Short  
BUG Rating: B3 - U0 - G5

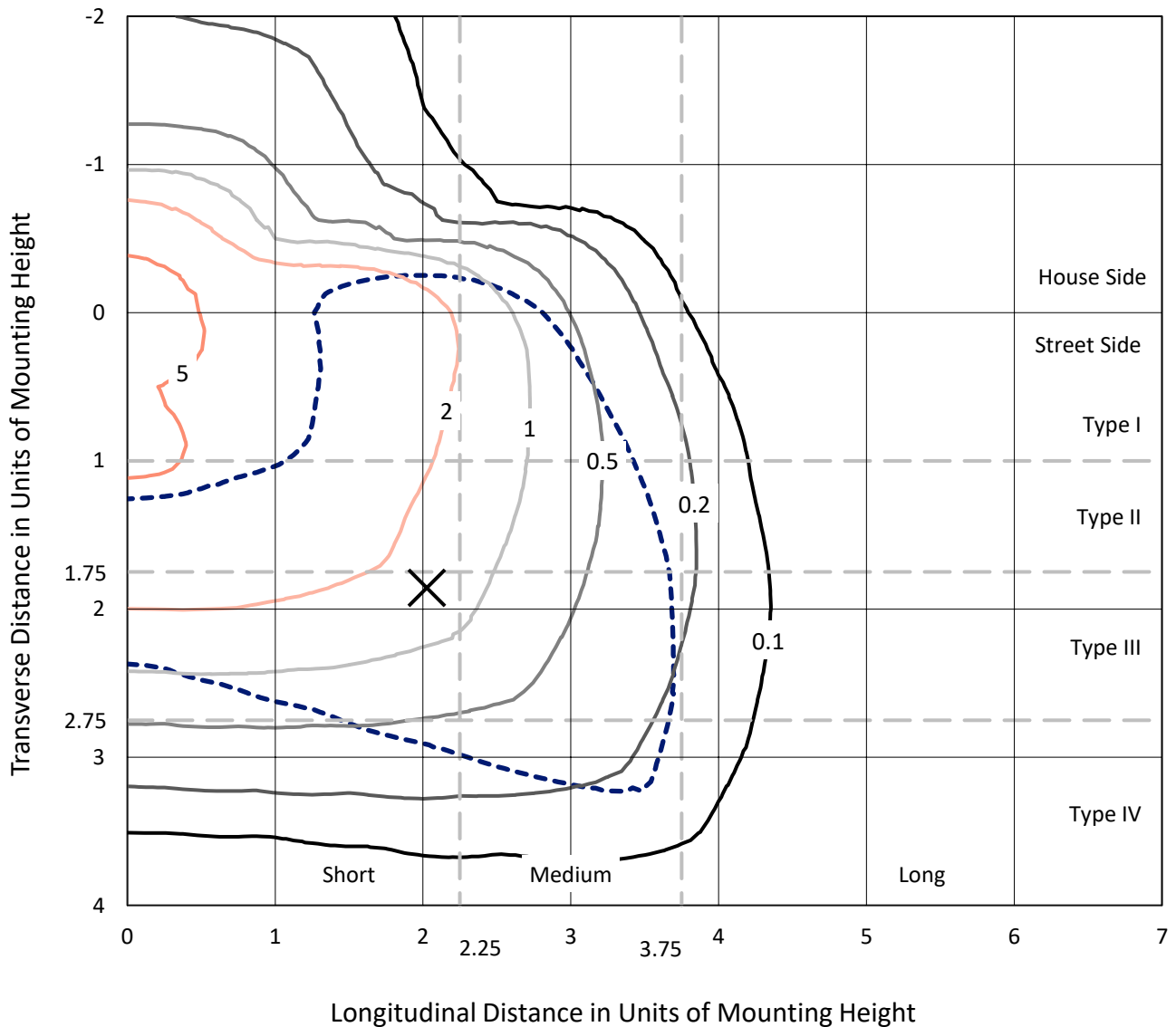
Input Watts (W): 243  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

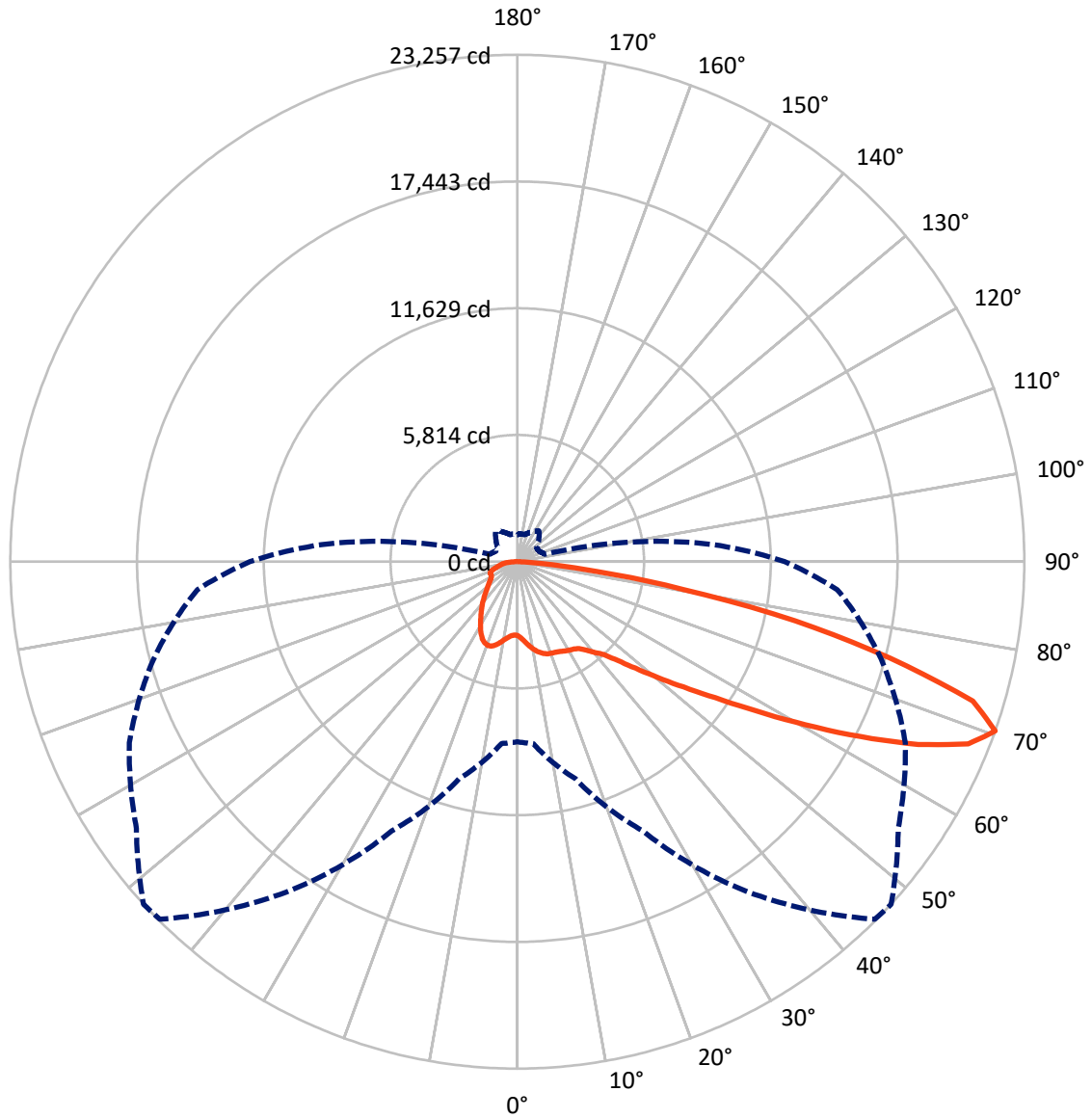
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6.9 fc  
 Type IV - Short - N/A

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CATALOG NUMBER: GLAN-SA6B-750-U-T4W

### Luminous Intensity Polar Plot



— Vertical Plane Through 47.5-Deg Lateral    - - - Horizontal Cone Through 70-Deg Vertical

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**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total   |
|--------------------|-----------|----------|--------|---------|
| <b>House Side</b>  | Lumens    | 7645.5   | 0.0    | 7645.5  |
|                    | % Fixture | 22.6     | 0.0    | 22.6    |
| <b>Street Side</b> | Lumens    | 26121.5  | 0.0    | 26121.5 |
|                    | % Fixture | 77.4     | 0.0    | 77.4    |
| <b>Total</b>       | Lumens    | 33767.0  | 0.0    | 33767.0 |
|                    | % Fixture | 100.0    | 0.0    | 100.0   |

**ZONAL LUMENS:**

| Zone      | Lumens  | % Fixture |
|-----------|---------|-----------|
| 0°-10°    | 349.4   | 1.0       |
| 10°-20°   | 1168.1  | 3.5       |
| 20°-30°   | 1942.6  | 5.8       |
| 30°-40°   | 2753.3  | 8.2       |
| 40°-50°   | 4064.5  | 12.0      |
| 50°-60°   | 7039.9  | 20.8      |
| 60°-70°   | 9944.1  | 29.4      |
| 70°-80°   | 5716.4  | 16.9      |
| 80°-90°   | 788.7   | 2.3       |
| 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°    | 33767.0 | 100.0     |
| 0°-180°   | 33767.0 | 100.0     |

**Coefficient of Utilization**



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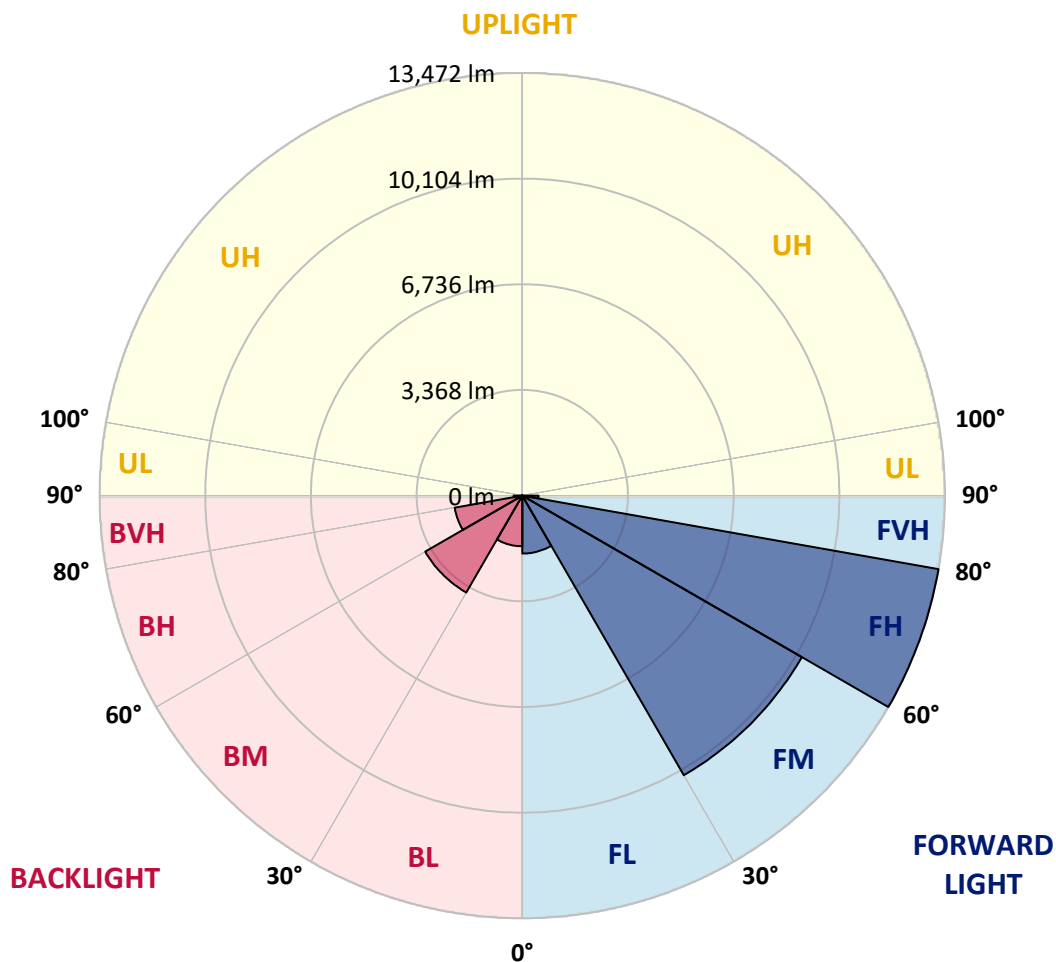
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

| Zone |             | Lumens  | % Fixture | Zone Rating/Lumen Limit |      |         |
|------|-------------|---------|-----------|-------------------------|------|---------|
|      |             |         |           | B                       | U    | G       |
| FL   | (0°-30°)    | 1846.5  | 5.5       |                         |      |         |
| FM   | (30°-60°)   | 10288.2 | 30.5      |                         |      |         |
| FH   | (60°-80°)   | 13471.6 | 39.9      |                         |      | G5      |
| FVH  | (80°-90°)   | 515.2   | 1.5       |                         |      | G4/750  |
| BL   | (0°-30°)    | 1613.6  | 4.8       | B3/2500                 |      |         |
| BM   | (30°-60°)   | 3569.6  | 10.6      | B3/5000                 |      |         |
| BH   | (60°-80°)   | 2188.8  | 6.5       | B3/2500                 |      | G3/2500 |
| BVH  | (80°-90°)   | 273.5   | 0.8       |                         |      | G3/500  |
| UL   | (90°-100°)  | 0.0     | 0.0       |                         | U0/0 |         |
| UH   | (100°-180°) | 0.0     | 0.0       |                         | U0/0 |         |

**BUG Rating: B3-U0-G5**

Type IV Short





REPORT NUMBER: P522807

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**CANDELA DISTRIBUTION (FULL):**

|       | 0°      | 5°      | 15°     | 25°     | 35°     | 45°     | 47.5°   | 55°     | 65°     | 75°     | 85°     |
|-------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 0°    | 3389.8  | 3389.8  | 3389.8  | 3389.8  | 3389.8  | 3389.8  | 3389.8  | 3389.8  | 3389.8  | 3389.8  | 3389.8  |
| 2.5°  | 3608.4  | 3595.8  | 3594.0  | 3566.9  | 3552.4  | 3525.3  | 3514.5  | 3489.2  | 3458.5  | 3427.7  | 3398.8  |
| 5°    | 3892.1  | 3892.1  | 3879.5  | 3841.5  | 3781.9  | 3720.5  | 3693.4  | 3644.6  | 3557.8  | 3487.4  | 3427.7  |
| 7.5°  | 4183.0  | 4186.7  | 4161.4  | 4105.3  | 4020.4  | 3921.0  | 3895.7  | 3823.5  | 3700.6  | 3597.6  | 3509.1  |
| 10°   | 4434.2  | 4434.2  | 4399.9  | 4324.0  | 4217.4  | 4109.0  | 4083.7  | 4002.3  | 3865.0  | 3736.7  | 3621.1  |
| 12.5° | 4625.7  | 4625.7  | 4580.6  | 4481.2  | 4365.5  | 4268.0  | 4239.1  | 4161.4  | 4033.1  | 3890.3  | 3744.0  |
| 15°   | 4750.4  | 4741.4  | 4690.8  | 4578.8  | 4466.7  | 4381.8  | 4361.9  | 4296.9  | 4179.4  | 4034.9  | 3870.4  |
| 17.5° | 4755.8  | 4752.2  | 4703.4  | 4609.5  | 4511.9  | 4454.1  | 4441.4  | 4398.1  | 4305.9  | 4168.6  | 3995.1  |
| 20°   | 4651.0  | 4658.3  | 4625.7  | 4558.9  | 4511.9  | 4486.6  | 4481.2  | 4466.7  | 4401.7  | 4273.4  | 4099.9  |
| 22.5° | 4539.0  | 4551.7  | 4520.9  | 4484.8  | 4481.2  | 4506.5  | 4510.1  | 4513.7  | 4472.2  | 4347.5  | 4188.5  |
| 25°   | 4511.9  | 4520.9  | 4490.2  | 4457.7  | 4477.6  | 4544.4  | 4558.9  | 4573.3  | 4540.8  | 4436.0  | 4293.3  |
| 27.5° | 4649.2  | 4642.0  | 4582.4  | 4511.9  | 4524.6  | 4614.9  | 4634.8  | 4651.0  | 4634.8  | 4544.4  | 4423.4  |
| 30°   | 5037.7  | 5014.2  | 4895.0  | 4689.0  | 4623.9  | 4687.2  | 4707.1  | 4752.2  | 4752.2  | 4685.4  | 4564.3  |
| 32.5° | 5688.2  | 5643.0  | 5424.4  | 5019.7  | 4793.8  | 4755.8  | 4775.7  | 4849.8  | 4887.7  | 4835.3  | 4703.4  |
| 35°   | 6477.8  | 6430.9  | 6118.3  | 5574.4  | 5104.6  | 4893.2  | 4887.7  | 4970.9  | 5072.1  | 4954.6  | 4782.9  |
| 37.5° | 7271.1  | 7222.3  | 6846.5  | 6235.7  | 5558.1  | 5182.3  | 5149.8  | 5178.7  | 5222.0  | 5007.0  | 4893.2  |
| 40°   | 8064.3  | 8006.5  | 7677.6  | 6974.7  | 6112.8  | 5565.3  | 5480.4  | 5350.3  | 5332.3  | 5178.7  | 5106.4  |
| 42.5° | 8850.3  | 8797.9  | 8631.7  | 7804.1  | 6777.8  | 5939.4  | 5809.3  | 5585.2  | 5653.9  | 5561.7  | 5498.5  |
| 45°   | 9643.6  | 9647.2  | 9470.1  | 8734.7  | 7580.1  | 6629.6  | 6454.4  | 6103.8  | 6266.4  | 6232.1  | 6268.2  |
| 47.5° | 10346.5 | 10337.4 | 10274.2 | 9638.2  | 8575.7  | 7518.6  | 7292.8  | 6886.2  | 7164.5  | 7291.0  | 7567.4  |
| 50°   | 11027.7 | 11022.3 | 11025.9 | 10662.7 | 9732.1  | 8575.7  | 8326.3  | 7899.9  | 8526.9  | 8966.0  | 9461.1  |
| 52.5° | 12003.4 | 12034.2 | 11815.5 | 11719.7 | 11137.9 | 9824.3  | 9549.6  | 9108.7  | 10136.9 | 10828.9 | 11795.6 |
| 55°   | 12982.8 | 12957.5 | 12785.8 | 12885.2 | 12608.8 | 11302.3 | 11015.0 | 10664.5 | 11929.4 | 12686.5 | 14139.2 |
| 57.5° | 13559.2 | 13568.2 | 13743.5 | 14229.6 | 14424.7 | 13145.4 | 12885.2 | 12614.2 | 13944.1 | 14480.7 | 16224.4 |
| 60°   | 14077.8 | 14119.4 | 14623.5 | 15541.4 | 16070.8 | 15409.5 | 15178.2 | 14914.4 | 15792.6 | 16005.8 | 18035.0 |
| 62.5° | 14240.4 | 14368.7 | 15248.7 | 16621.9 | 17675.4 | 17964.5 | 17677.2 | 17095.4 | 17552.5 | 17469.4 | 19261.9 |
| 65°   | 13429.1 | 13604.4 | 15181.8 | 17026.7 | 19108.3 | 20389.4 | 20206.9 | 19126.4 | 19052.3 | 18551.7 | 19462.4 |
| 67.5° | 11293.3 | 11468.6 | 13494.2 | 16177.4 | 19701.0 | 22489.0 | 22306.5 | 20608.0 | 19963.0 | 18652.9 | 17944.6 |
| 70°   | 8263.1  | 8373.3  | 10310.3 | 13620.6 | 18510.2 | 23193.8 | 23257.0 | 21330.8 | 19637.7 | 17277.9 | 14733.7 |
| 72.5° | 4761.3  | 5005.2  | 6362.2  | 9582.1  | 15122.2 | 21412.1 | 21851.2 | 19827.4 | 17581.4 | 14413.9 | 10301.3 |
| 75°   | 2047.3  | 2052.7  | 2941.7  | 5285.3  | 10241.7 | 17211.0 | 17635.6 | 16435.8 | 13806.8 | 9967.0  | 5500.3  |
| 77.5° | 973.9   | 992.0   | 1293.8  | 2359.9  | 5637.6  | 11891.4 | 13037.0 | 11611.3 | 8830.5  | 4788.4  | 2078.0  |
| 80°   | 632.4   | 645.1   | 791.4   | 1170.9  | 2764.6  | 6895.2  | 7693.9  | 6698.3  | 3895.7  | 1711.2  | 896.2   |
| 82.5° | 383.1   | 386.7   | 529.4   | 715.5   | 1521.4  | 3122.4  | 3680.7  | 2907.4  | 1662.4  | 1024.5  | 527.6   |
| 85°   | 233.1   | 234.9   | 321.6   | 442.7   | 923.3   | 1078.7  | 1107.6  | 1098.6  | 975.7   | 670.4   | 281.9   |
| 87.5° | 112.0   | 115.6   | 166.2   | 209.6   | 363.2   | 334.3   | 316.2   | 366.8   | 460.8   | 361.4   | 121.1   |
| 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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**CANDELA DISTRIBUTION (continued):**

|       | 90°     | 95°     | 105°   | 115°   | 125°   | 135°   | 145°   | 155°   | 165°   | 175°   | 180°   |
|-------|---------|---------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 3389.8  | 3389.8  | 3389.8 | 3389.8 | 3389.8 | 3389.8 | 3389.8 | 3389.8 | 3389.8 | 3389.8 | 3389.8 |
| 2.5°  | 3386.2  | 3380.8  | 3368.1 | 3362.7 | 3359.1 | 3360.9 | 3359.1 | 3359.1 | 3360.9 | 3360.9 | 3360.9 |
| 5°    | 3402.4  | 3393.4  | 3373.5 | 3373.5 | 3384.4 | 3409.7 | 3433.2 | 3451.2 | 3471.1 | 3469.3 | 3469.3 |
| 7.5°  | 3472.9  | 3456.7  | 3433.2 | 3440.4 | 3467.5 | 3507.3 | 3548.8 | 3588.6 | 3628.3 | 3631.9 | 3630.1 |
| 10°   | 3575.9  | 3559.7  | 3534.4 | 3543.4 | 3586.8 | 3646.4 | 3698.8 | 3756.6 | 3800.0 | 3812.6 | 3809.0 |
| 12.5° | 3693.4  | 3660.8  | 3639.2 | 3664.5 | 3733.1 | 3812.6 | 3863.2 | 3906.6 | 3937.3 | 3955.4 | 3948.1 |
| 15°   | 3812.6  | 3781.9  | 3756.6 | 3809.0 | 3892.1 | 3966.2 | 3991.5 | 3998.7 | 4004.2 | 4022.2 | 4018.6 |
| 17.5° | 3928.3  | 3886.7  | 3877.7 | 3946.3 | 4025.8 | 4058.4 | 4043.9 | 4013.2 | 3989.7 | 4004.2 | 4002.3 |
| 20°   | 4031.3  | 3998.7  | 3995.1 | 4063.8 | 4094.5 | 4063.8 | 4002.3 | 3948.1 | 3906.6 | 3910.2 | 3908.4 |
| 22.5° | 4128.8  | 4103.5  | 4107.2 | 4136.1 | 4087.3 | 3982.5 | 3881.3 | 3807.2 | 3762.0 | 3771.1 | 3776.5 |
| 25°   | 4237.3  | 4212.0  | 4221.0 | 4174.0 | 4013.2 | 3830.7 | 3684.3 | 3621.1 | 3603.0 | 3621.1 | 3633.7 |
| 27.5° | 4378.2  | 4361.9  | 4356.5 | 4175.8 | 3881.3 | 3606.6 | 3440.4 | 3416.9 | 3433.2 | 3472.9 | 3492.8 |
| 30°   | 4530.0  | 4530.0  | 4501.1 | 4145.1 | 3700.6 | 3337.4 | 3192.8 | 3196.5 | 3252.5 | 3308.5 | 3328.4 |
| 32.5° | 4676.3  | 4707.1  | 4616.7 | 4062.0 | 3467.5 | 3075.4 | 2965.2 | 2968.8 | 3017.6 | 3086.2 | 3104.3 |
| 35°   | 4797.4  | 4885.9  | 4716.1 | 3910.2 | 3192.8 | 2854.9 | 2771.8 | 2723.0 | 2724.9 | 2777.3 | 2791.7 |
| 37.5° | 4963.6  | 5128.1  | 4773.9 | 3684.3 | 2900.1 | 2667.0 | 2573.1 | 2488.1 | 2432.1 | 2410.4 | 2410.4 |
| 40°   | 5252.7  | 5494.9  | 4788.4 | 3350.0 | 2623.7 | 2488.1 | 2354.4 | 2253.2 | 2144.8 | 2047.3 | 2029.2 |
| 42.5° | 5742.4  | 6047.8  | 4759.5 | 2965.2 | 2374.3 | 2291.2 | 2161.1 | 2036.4 | 1886.4 | 1749.1 | 1738.3 |
| 45°   | 6609.7  | 6767.0  | 4681.8 | 2565.8 | 2152.1 | 2101.5 | 1975.0 | 1839.5 | 1680.4 | 1557.6 | 1548.5 |
| 47.5° | 7999.3  | 7777.0  | 4578.8 | 2211.7 | 1949.7 | 1935.2 | 1837.6 | 1680.4 | 1521.4 | 1436.5 | 1427.5 |
| 50°   | 10028.5 | 9367.1  | 4564.3 | 1955.1 | 1787.1 | 1794.3 | 1714.8 | 1570.2 | 1431.1 | 1360.6 | 1349.8 |
| 52.5° | 12471.4 | 11287.9 | 4660.1 | 1774.4 | 1644.3 | 1671.4 | 1631.7 | 1497.9 | 1375.1 | 1315.4 | 1304.6 |
| 55°   | 14842.1 | 13015.3 | 4717.9 | 1633.5 | 1510.6 | 1561.2 | 1566.6 | 1454.6 | 1342.5 | 1282.9 | 1275.7 |
| 57.5° | 16766.5 | 14316.3 | 4461.3 | 1505.2 | 1394.9 | 1472.6 | 1512.4 | 1429.3 | 1326.3 | 1281.1 | 1273.9 |
| 60°   | 18105.4 | 14930.7 | 3731.3 | 1391.3 | 1310.0 | 1402.2 | 1492.5 | 1431.1 | 1366.0 | 1371.5 | 1375.1 |
| 62.5° | 18531.9 | 14657.8 | 2798.9 | 1306.4 | 1252.2 | 1378.7 | 1525.0 | 1505.2 | 1438.3 | 1479.9 | 1487.1 |
| 65°   | 17825.4 | 13530.3 | 2029.2 | 1239.6 | 1201.6 | 1394.9 | 1622.6 | 1559.4 | 1413.0 | 1443.7 | 1443.7 |
| 67.5° | 15460.1 | 11656.5 | 1579.3 | 1178.1 | 1143.8 | 1425.7 | 1720.2 | 1554.0 | 1353.4 | 1389.5 | 1357.0 |
| 70°   | 12263.6 | 9016.6  | 1315.4 | 1109.5 | 1082.4 | 1380.5 | 1729.2 | 1497.9 | 1282.9 | 1290.1 | 1228.7 |
| 72.5° | 8138.4  | 5928.5  | 1131.1 | 1044.4 | 988.4  | 1241.4 | 1655.1 | 1425.7 | 1214.3 | 1172.7 | 1111.3 |
| 75°   | 3987.9  | 2956.1  | 986.6  | 963.1  | 865.5  | 1080.5 | 1554.0 | 1357.0 | 1140.2 | 1075.1 | 1040.8 |
| 77.5° | 1544.9  | 1257.6  | 842.0  | 860.1  | 753.5  | 952.3  | 1420.2 | 1259.4 | 1042.6 | 954.1  | 927.0  |
| 80°   | 749.9   | 713.7   | 690.2  | 717.4  | 619.8  | 811.3  | 1297.4 | 1174.5 | 952.3  | 854.7  | 814.9  |
| 82.5° | 466.2   | 440.9   | 529.4  | 558.3  | 477.0  | 740.8  | 1230.5 | 1102.2 | 838.4  | 708.3  | 675.8  |
| 85°   | 236.7   | 253.0   | 354.2  | 381.3  | 341.5  | 589.1  | 1013.7 | 827.6  | 605.3  | 502.3  | 505.9  |
| 87.5° | 90.3    | 121.1   | 186.1  | 200.6  | 182.5  | 310.8  | 558.3  | 482.5  | 388.5  | 263.8  | 243.9  |
| 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)