

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: P531503

Luminaire Tested: **GLAN-SA6D-740-U-AFL-GRSBK**

Issue Date: 5/27/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P531503  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-27)  
Test Lab: INNOVATION CENTER  
Issue Date: 5/27/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: GLAN-SA6D-740-U-AFL-GRSBK  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(6) 70 CRI, 4000K, 1200mA LIGHTSQUARES WITH 16 LEDS EACH AND AUTOMOTIVE  
FRONTLINE OPTICS WITH BLACK GLARE REDUCTION SHIELD  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 34221 lumens  
Efficiency: N/A  
Efficacy: 93.0 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')  
IES Classification: Type II - Short  
BUG Rating: B3 - U0 - G1

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

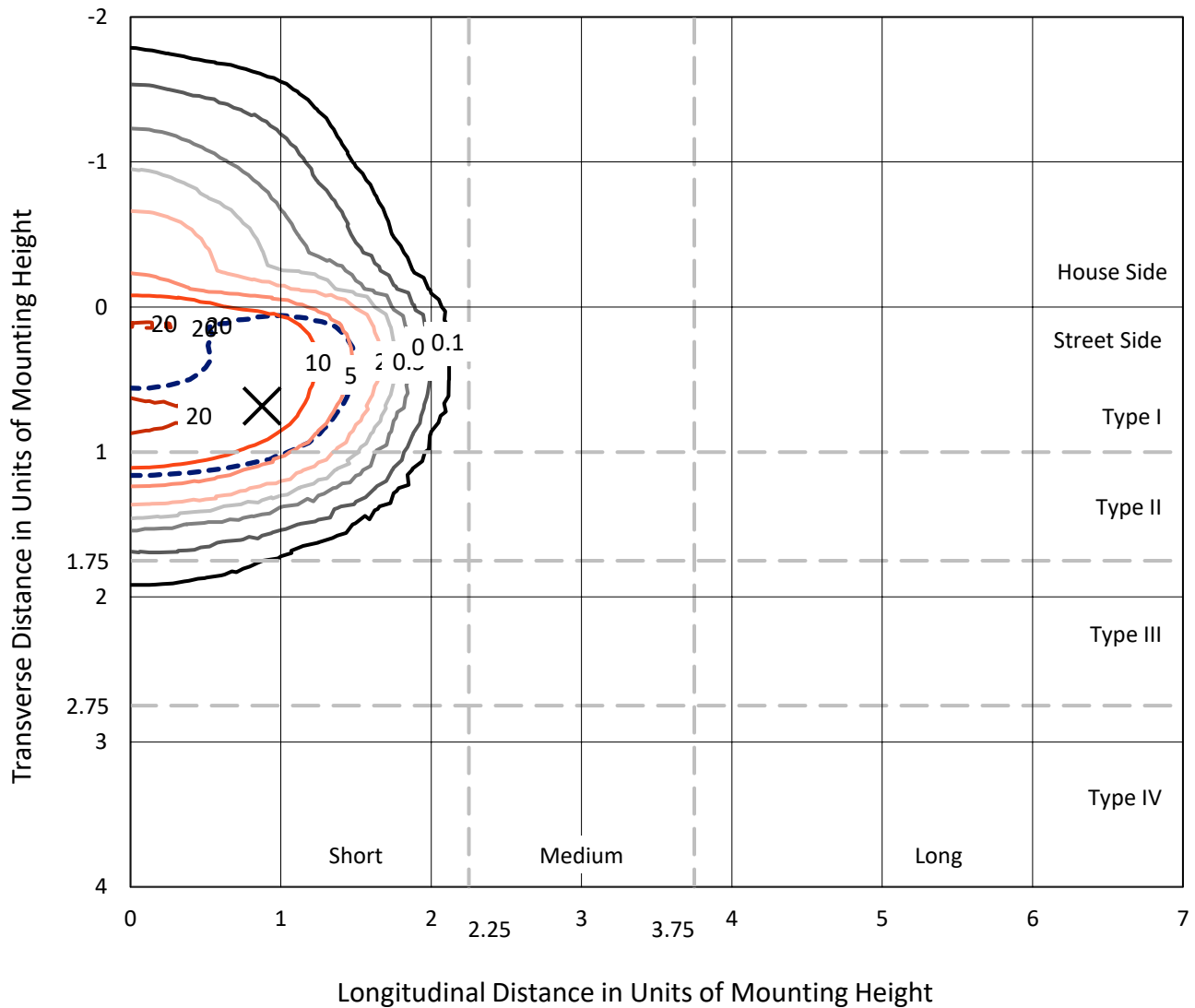


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## Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd  
 - - - 1/2 Max cd

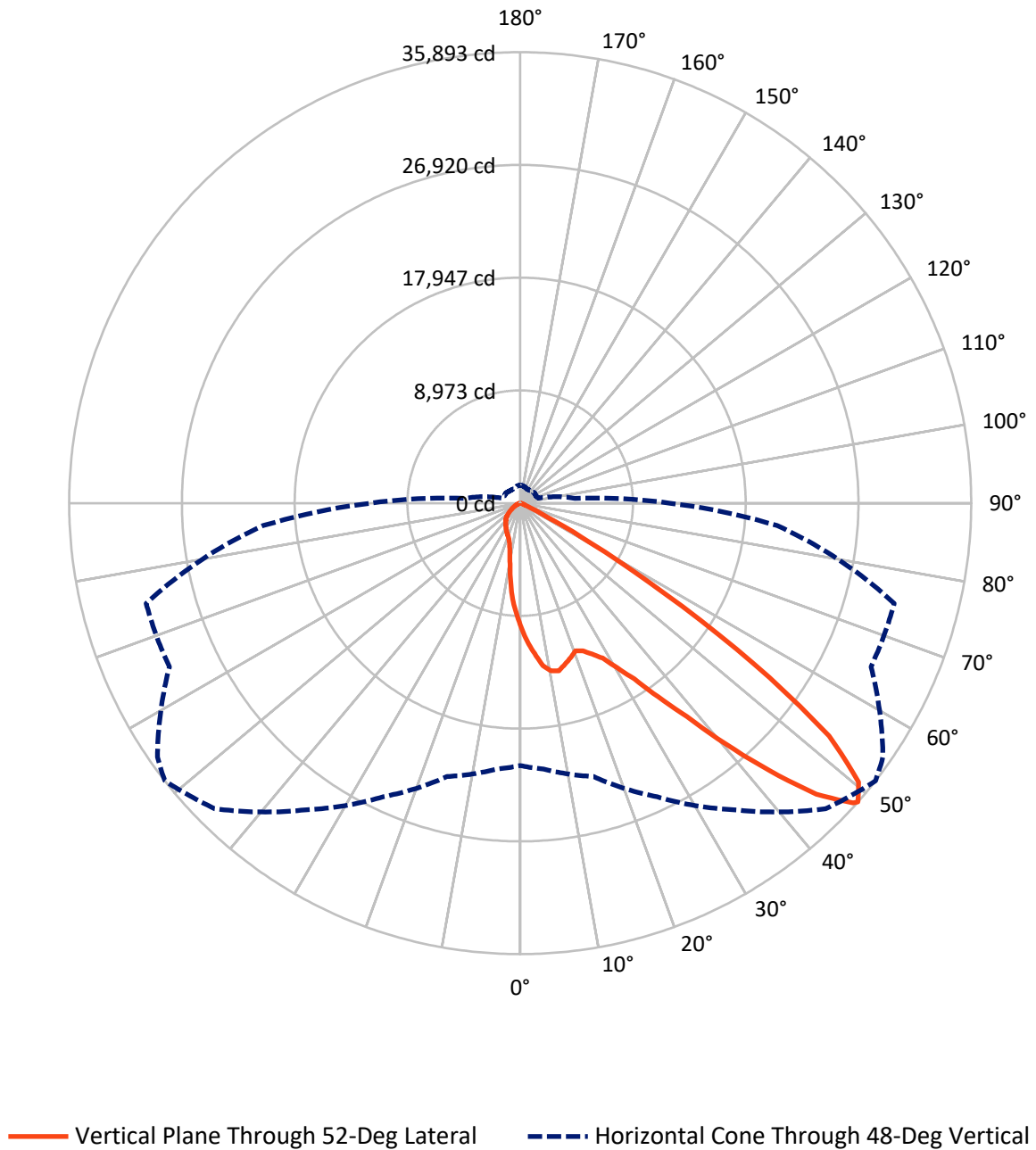


Based on 25 foot mounting height. Maximum calculated value = 22.1 fc  
 Type II - Short - N/A

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## Luminous Intensity Polar Plot



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**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total   |
|--------------------|-----------|----------|--------|---------|
| <b>House Side</b>  | Lumens    | 4166.7   | 0.0    | 4166.7  |
|                    | % Fixture | 12.2     | 0.0    | 12.2    |
| <b>Street Side</b> | Lumens    | 30054.3  | 0.0    | 30054.3 |
|                    | % Fixture | 87.8     | 0.0    | 87.8    |
| <b>Total</b>       | Lumens    | 34221.0  | 0.0    | 34221.0 |
|                    | % Fixture | 100.0    | 0.0    | 100.0   |

**ZONAL LUMENS:**

| Zone      | Lumens  | % Fixture |
|-----------|---------|-----------|
| 0°-10°    | 904.5   | 2.6       |
| 10°-20°   | 2363.9  | 6.9       |
| 20°-30°   | 4036.1  | 11.8      |
| 30°-40°   | 7432.4  | 21.7      |
| 40°-50°   | 11542.5 | 33.7      |
| 50°-60°   | 6946.7  | 20.3      |
| 60°-70°   | 803.5   | 2.3       |
| 70°-80°   | 155.5   | 0.5       |
| 80°-90°   | 36.0    | 0.1       |
| 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°    | 34221.0 | 100.0     |
| 0°-180°   | 34221.0 | 100.0     |

**Coefficient of Utilization**



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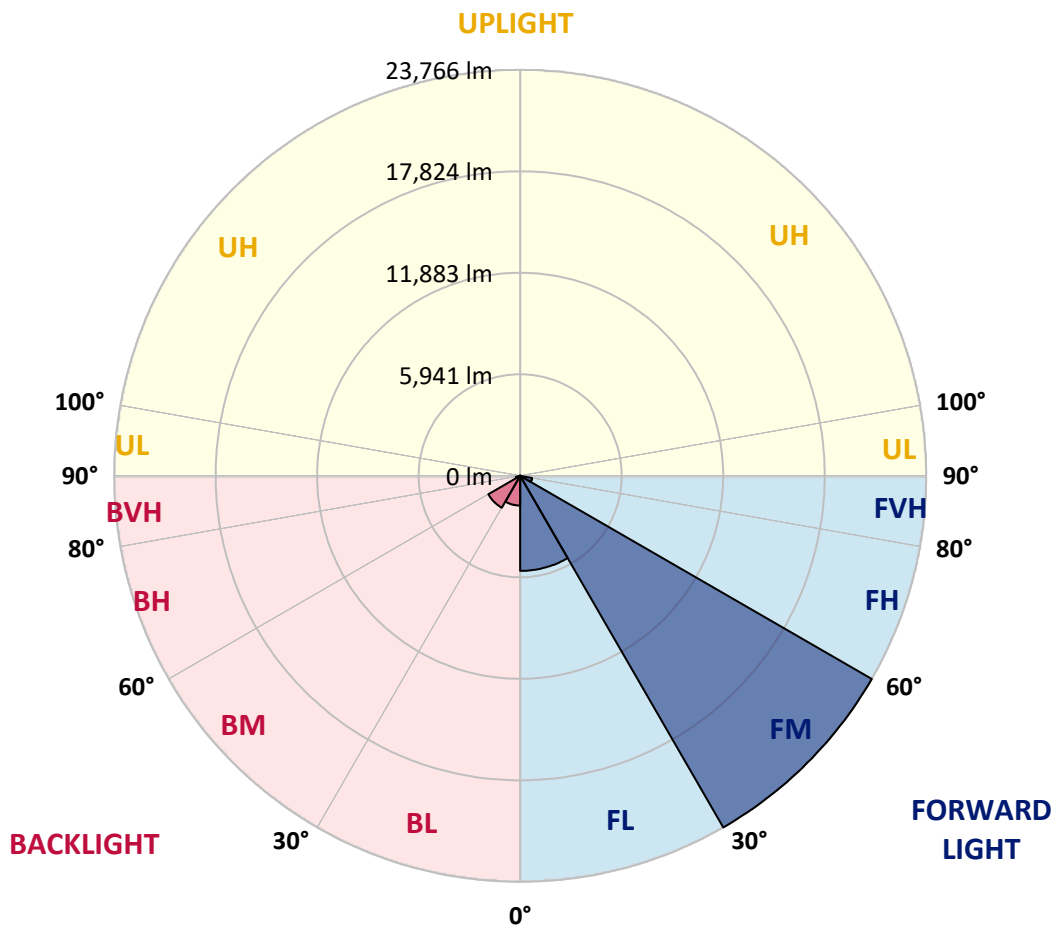
CATALOG NUMBER: GLAN-SA6D-740-U-AFL-GRSBK

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

| Zone |             | Lumens  | % Fixture | Zone Rating/Lumen Limit |      |         |
|------|-------------|---------|-----------|-------------------------|------|---------|
|      |             |         |           | B                       | U    | G       |
| FL   | (0°-30°)    | 5563.9  | 16.3      |                         |      |         |
| FM   | (30°-60°)   | 23765.8 | 69.4      |                         |      |         |
| FH   | (60°-80°)   | 707.5   | 2.1       |                         |      | G1/1800 |
| FVH  | (80°-90°)   | 17.1    | 0.1       |                         |      | G1/100  |
| BL   | (0°-30°)    | 1740.6  | 5.1       | B3/2500                 |      |         |
| BM   | (30°-60°)   | 2155.8  | 6.3       | B2/2500                 |      |         |
| BH   | (60°-80°)   | 251.5   | 0.7       | B1/500                  |      | G1/500  |
| BVH  | (80°-90°)   | 18.9    | 0.1       |                         |      | G1/100  |
| UL   | (90°-100°)  | 0.0     | 0.0       |                         | U0/0 |         |
| UH   | (100°-180°) | 0.0     | 0.0       |                         | U0/0 |         |

**BUG Rating: B3-U0-G1**

Type II Short



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**CANDELA DISTRIBUTION (FULL):**

|       | 0°      | 5°      | 15°     | 25°     | 35°     | 45°     | 52°     | 55°     | 65°     | 75°     | 85°     |
|-------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 0°    | 9882.5  | 9882.5  | 9882.5  | 9882.5  | 9882.5  | 9882.5  | 9882.5  | 9882.5  | 9882.5  | 9882.5  | 9882.5  |
| 2.5°  | 11977.7 | 11703.3 | 11728.2 | 11548.7 | 11443.9 | 11274.3 | 11044.8 | 10999.9 | 10750.5 | 10411.3 | 10067.0 |
| 5°    | 13055.2 | 12990.4 | 13075.2 | 12815.8 | 12825.7 | 12546.4 | 12007.6 | 12017.6 | 11443.9 | 10890.2 | 10356.4 |
| 7.5°  | 13125.1 | 12975.4 | 13060.2 | 13289.7 | 13424.4 | 13374.5 | 13070.2 | 12805.8 | 12262.0 | 11448.9 | 10670.7 |
| 10°   | 11753.2 | 12037.5 | 12127.3 | 12506.5 | 13045.2 | 13613.9 | 13579.0 | 13594.0 | 13140.0 | 12077.4 | 10940.0 |
| 12.5° | 10930.1 | 10740.5 | 11044.8 | 11274.3 | 12087.4 | 13189.9 | 13693.8 | 13803.5 | 13838.4 | 12686.1 | 11209.4 |
| 15°   | 10555.9 | 10555.9 | 10605.8 | 10670.7 | 11259.3 | 12277.0 | 13304.6 | 13623.9 | 14377.2 | 13484.2 | 11633.5 |
| 17.5° | 10790.4 | 10780.4 | 10850.2 | 10715.6 | 10935.1 | 11718.3 | 12945.5 | 13309.6 | 14980.8 | 14267.5 | 11967.7 |
| 20°   | 11503.8 | 11538.7 | 11493.8 | 11104.7 | 11119.6 | 11708.3 | 12546.4 | 13120.1 | 15389.9 | 14945.9 | 12411.7 |
| 22.5° | 12496.5 | 12516.4 | 12262.0 | 11838.0 | 11713.3 | 12002.6 | 12775.9 | 13214.9 | 15719.1 | 15759.1 | 12546.4 |
| 25°   | 13643.9 | 13564.1 | 13514.2 | 12915.5 | 12536.4 | 12785.8 | 13294.7 | 13549.1 | 15923.7 | 16457.5 | 12930.5 |
| 27.5° | 15235.2 | 15075.6 | 14771.3 | 14237.5 | 13958.2 | 13604.0 | 13968.1 | 14387.2 | 16507.3 | 17435.2 | 13349.5 |
| 30°   | 17584.9 | 17445.2 | 16851.6 | 16163.1 | 15429.8 | 15080.6 | 15195.3 | 15424.8 | 17559.9 | 18567.6 | 13903.3 |
| 32.5° | 21121.8 | 20827.5 | 19969.4 | 18657.4 | 17659.7 | 16696.9 | 16667.0 | 16911.4 | 18502.8 | 20134.1 | 14561.8 |
| 35°   | 25017.9 | 24928.1 | 23666.0 | 22314.1 | 20383.5 | 18896.9 | 18921.8 | 19051.5 | 20308.7 | 22189.4 | 15424.8 |
| 37.5° | 27607.0 | 28100.9 | 27297.7 | 25846.0 | 24224.7 | 22099.6 | 21560.8 | 21605.7 | 22788.0 | 24623.8 | 16981.3 |
| 40°   | 29607.5 | 29188.4 | 29283.2 | 28944.0 | 27836.5 | 26389.8 | 25197.5 | 24963.1 | 25656.5 | 27317.7 | 18527.7 |
| 42.5° | 28734.5 | 28754.4 | 29338.1 | 30141.2 | 30415.6 | 30310.9 | 29093.6 | 28649.6 | 28110.9 | 29522.7 | 19999.4 |
| 45°   | 26270.1 | 26783.9 | 27542.2 | 29667.3 | 31533.1 | 33284.1 | 33044.6 | 32306.3 | 29807.0 | 31268.7 | 20847.4 |
| 47.5° | 22339.0 | 22319.1 | 23561.3 | 26324.9 | 30470.5 | 34571.1 | 35658.7 | 35139.8 | 31009.3 | 31074.1 | 20672.8 |
| 48°   | 20887.4 | 21246.5 | 22528.6 | 25781.2 | 29797.0 | 34381.6 | 35893.1 | 35239.6 | 30804.7 | 30814.7 | 20523.2 |
| 50°   | 15439.8 | 15374.9 | 16971.3 | 20962.2 | 26614.3 | 32306.3 | 34905.4 | 35414.2 | 30799.7 | 29502.7 | 19475.6 |
| 52.5° | 8156.4  | 8435.8  | 9598.1  | 13179.9 | 18817.1 | 26439.7 | 30789.8 | 31583.0 | 29712.2 | 27357.6 | 17969.0 |
| 55°   | 3467.1  | 3132.9  | 4025.8  | 5951.4  | 10585.9 | 17664.7 | 22588.5 | 24354.4 | 25122.7 | 24209.8 | 15719.1 |
| 57.5° | 1237.2  | 1351.9  | 1556.4  | 2239.9  | 4449.8  | 9667.9  | 13469.3 | 14841.1 | 17405.3 | 17764.5 | 10710.6 |
| 60°   | 793.2   | 808.2   | 873.0   | 1027.7  | 1671.2  | 3726.5  | 6390.4  | 7482.9  | 8645.3  | 8924.6  | 4998.6  |
| 62.5° | 613.6   | 618.6   | 648.5   | 673.5   | 793.2   | 1446.7  | 2399.5  | 2843.5  | 2953.3  | 2539.2  | 1312.0  |
| 65°   | 513.8   | 518.8   | 528.8   | 528.8   | 563.7   | 678.5   | 838.1   | 922.9   | 898.0   | 888.0   | 743.3   |
| 67.5° | 394.1   | 404.1   | 424.0   | 424.0   | 444.0   | 414.1   | 463.9   | 493.9   | 558.7   | 678.5   | 633.6   |
| 70°   | 309.3   | 314.3   | 329.2   | 339.2   | 339.2   | 299.3   | 334.2   | 364.2   | 409.1   | 503.9   | 498.9   |
| 72.5° | 239.5   | 249.4   | 259.4   | 259.4   | 244.4   | 204.5   | 239.5   | 264.4   | 294.3   | 349.2   | 339.2   |
| 75°   | 184.6   | 184.6   | 189.6   | 154.6   | 119.7   | 104.8   | 144.7   | 174.6   | 219.5   | 229.5   | 189.6   |
| 77.5° | 49.9    | 54.9    | 49.9    | 44.9    | 49.9    | 74.8    | 94.8    | 109.7   | 139.7   | 139.7   | 124.7   |
| 80°   | 0.0     | 5.0     | 15.0    | 29.9    | 49.9    | 69.8    | 84.8    | 94.8    | 109.7   | 119.7   | 114.7   |
| 82.5° | 0.0     | 5.0     | 15.0    | 29.9    | 44.9    | 54.9    | 74.8    | 79.8    | 89.8    | 104.8   | 104.8   |
| 85°   | 0.0     | 5.0     | 10.0    | 20.0    | 29.9    | 34.9    | 34.9    | 29.9    | 29.9    | 24.9    | 20.0    |
| 87.5° | 0.0     | 0.0     | 5.0     | 10.0    | 10.0    | 15.0    | 15.0    | 15.0    | 15.0    | 15.0    | 15.0    |
| 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°    | 9882.5  | 9882.5 | 9882.5 | 9882.5 | 9882.5 | 9882.5 | 9882.5 | 9882.5 | 9882.5 | 9882.5 | 9882.5 |
| 2.5°  | 9932.3  | 9777.7 | 9543.2 | 9174.1 | 8819.9 | 8590.4 | 8370.9 | 8126.5 | 7991.8 | 7981.8 | 7907.0 |
| 5°    | 10052.1 | 9702.9 | 9144.1 | 8510.6 | 7832.1 | 7248.5 | 6659.8 | 6275.7 | 5931.5 | 5741.9 | 5707.0 |
| 7.5°  | 10116.9 | 9663.0 | 8760.0 | 7697.4 | 6540.1 | 5587.3 | 4928.8 | 4444.9 | 4255.3 | 4115.6 | 4110.6 |
| 10°   | 10251.6 | 9593.1 | 8186.3 | 6619.9 | 5188.2 | 4225.4 | 3771.4 | 3551.9 | 3447.1 | 3407.2 | 3347.4 |
| 12.5° | 10351.4 | 9463.4 | 7597.7 | 5512.4 | 4100.6 | 3502.0 | 3302.5 | 3252.6 | 3257.6 | 3277.5 | 3252.6 |
| 15°   | 10491.1 | 9348.7 | 6804.5 | 4524.7 | 3442.1 | 3152.8 | 3152.8 | 3162.8 | 3232.6 | 3242.6 | 3237.6 |
| 17.5° | 10481.1 | 9124.2 | 5986.3 | 3726.5 | 3043.1 | 3003.1 | 3018.1 | 3112.9 | 3157.8 | 3172.8 | 3137.8 |
| 20°   | 10600.8 | 8914.7 | 5143.3 | 3182.7 | 2818.6 | 2878.4 | 2978.2 | 3003.1 | 3058.0 | 3068.0 | 3028.1 |
| 22.5° | 10565.9 | 8390.9 | 4360.1 | 2753.7 | 2649.0 | 2763.7 | 2863.5 | 2893.4 | 2878.4 | 2848.5 | 2843.5 |
| 25°   | 10501.0 | 7941.9 | 3641.7 | 2469.4 | 2524.2 | 2649.0 | 2743.7 | 2688.9 | 2658.9 | 2663.9 | 2668.9 |
| 27.5° | 10386.3 | 7373.2 | 3048.0 | 2269.8 | 2354.6 | 2539.2 | 2534.2 | 2514.3 | 2544.2 | 2519.3 | 2544.2 |
| 30°   | 10366.4 | 6804.5 | 2559.2 | 2090.2 | 2229.9 | 2364.6 | 2374.6 | 2409.5 | 2444.4 | 2399.5 | 2444.4 |
| 32.5° | 10396.3 | 6180.9 | 2210.0 | 1980.5 | 2155.1 | 2160.1 | 2269.8 | 2304.7 | 2279.8 | 2180.0 | 2190.0 |
| 35°   | 10625.8 | 5702.0 | 1955.5 | 1920.6 | 2035.4 | 2040.3 | 2145.1 | 2100.2 | 1990.5 | 1930.6 | 1965.5 |
| 37.5° | 11109.7 | 5302.9 | 1835.8 | 1865.7 | 1875.7 | 1940.6 | 1945.6 | 1855.8 | 1865.7 | 1860.8 | 1880.7 |
| 40°   | 11728.2 | 4998.6 | 1751.0 | 1815.9 | 1805.9 | 1850.8 | 1671.2 | 1721.1 | 1766.0 | 1780.9 | 1790.9 |
| 42.5° | 12152.3 | 4779.1 | 1696.1 | 1736.0 | 1716.1 | 1636.3 | 1536.5 | 1586.4 | 1621.3 | 1676.2 | 1686.2 |
| 45°   | 12341.8 | 4604.5 | 1631.3 | 1596.4 | 1596.4 | 1451.7 | 1411.8 | 1421.8 | 1501.6 | 1561.4 | 1551.5 |
| 47.5° | 12032.6 | 4434.9 | 1516.5 | 1411.8 | 1446.7 | 1327.0 | 1282.1 | 1282.1 | 1366.9 | 1441.7 | 1426.7 |
| 48°   | 11912.8 | 4365.0 | 1521.5 | 1371.9 | 1396.8 | 1307.0 | 1262.1 | 1252.1 | 1346.9 | 1416.8 | 1416.8 |
| 50°   | 11319.2 | 4105.6 | 1391.8 | 1262.1 | 1212.2 | 1202.3 | 1172.3 | 1182.3 | 1242.2 | 1307.0 | 1307.0 |
| 52.5° | 10161.8 | 3546.9 | 1177.3 | 1082.5 | 992.7  | 1052.6 | 1067.6 | 1047.6 | 1077.5 | 1137.4 | 1132.4 |
| 55°   | 8480.7  | 2723.8 | 942.8  | 898.0  | 828.1  | 893.0  | 922.9  | 898.0  | 868.0  | 912.9  | 912.9  |
| 57.5° | 5432.6  | 1466.7 | 753.3  | 763.3  | 693.4  | 758.3  | 783.2  | 723.3  | 668.5  | 703.4  | 698.4  |
| 60°   | 2449.4  | 878.0  | 618.6  | 603.6  | 558.7  | 633.6  | 673.5  | 603.6  | 528.8  | 553.7  | 578.7  |
| 62.5° | 917.9   | 623.6  | 468.9  | 459.0  | 449.0  | 518.8  | 538.8  | 483.9  | 409.1  | 424.0  | 429.0  |
| 65°   | 673.5   | 548.7  | 374.1  | 339.2  | 359.2  | 409.1  | 399.1  | 344.2  | 294.3  | 294.3  | 304.3  |
| 67.5° | 573.7   | 478.9  | 304.3  | 264.4  | 264.4  | 269.4  | 249.4  | 219.5  | 204.5  | 214.5  | 224.5  |
| 70°   | 449.0   | 379.1  | 239.5  | 204.5  | 184.6  | 164.6  | 144.7  | 139.7  | 124.7  | 139.7  | 134.7  |
| 72.5° | 289.3   | 254.4  | 184.6  | 154.6  | 139.7  | 114.7  | 94.8   | 89.8   | 74.8   | 69.8   | 69.8   |
| 75°   | 154.6   | 154.6  | 144.7  | 124.7  | 109.7  | 89.8   | 74.8   | 59.9   | 39.9   | 29.9   | 29.9   |
| 77.5° | 109.7   | 119.7  | 129.7  | 119.7  | 99.8   | 74.8   | 59.9   | 39.9   | 20.0   | 10.0   | 10.0   |
| 80°   | 104.8   | 119.7  | 129.7  | 114.7  | 99.8   | 74.8   | 54.9   | 29.9   | 15.0   | 5.0    | 5.0    |
| 82.5° | 94.8    | 109.7  | 119.7  | 104.8  | 89.8   | 64.9   | 49.9   | 29.9   | 15.0   | 5.0    | 5.0    |
| 85°   | 20.0    | 24.9   | 29.9   | 29.9   | 34.9   | 44.9   | 34.9   | 24.9   | 10.0   | 5.0    | 5.0    |
| 87.5° | 15.0    | 15.0   | 15.0   | 15.0   | 15.0   | 15.0   | 10.0   | 10.0   | 5.0    | 5.0    | 5.0    |
| 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)