

Scaled data based on original data using  
LM-79-2019 Approved Method: Electrical and Photometric Measurements of Solid-  
State Lighting Products

Test Report Prepared for

Cooper Lighting Solutions

Brand: McGRAW-EDISON

Report Number: P635173

Luminaire Tested: GWS-SA3D-730-U-SL3-W-GRSBK

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P635173  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-32)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 1/10/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: McGRAW-EDISON  
Catalog Number: GWS-SA3D-730-U-SL3-W-GRSBK  
Description: GALLEON WALL SLIM LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III SPILL LIGHT ELIMINATOR OPTICS W/ FACTORY INSTALLED GLARE SHIELD, BK  
Light Source: (48) 3000K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

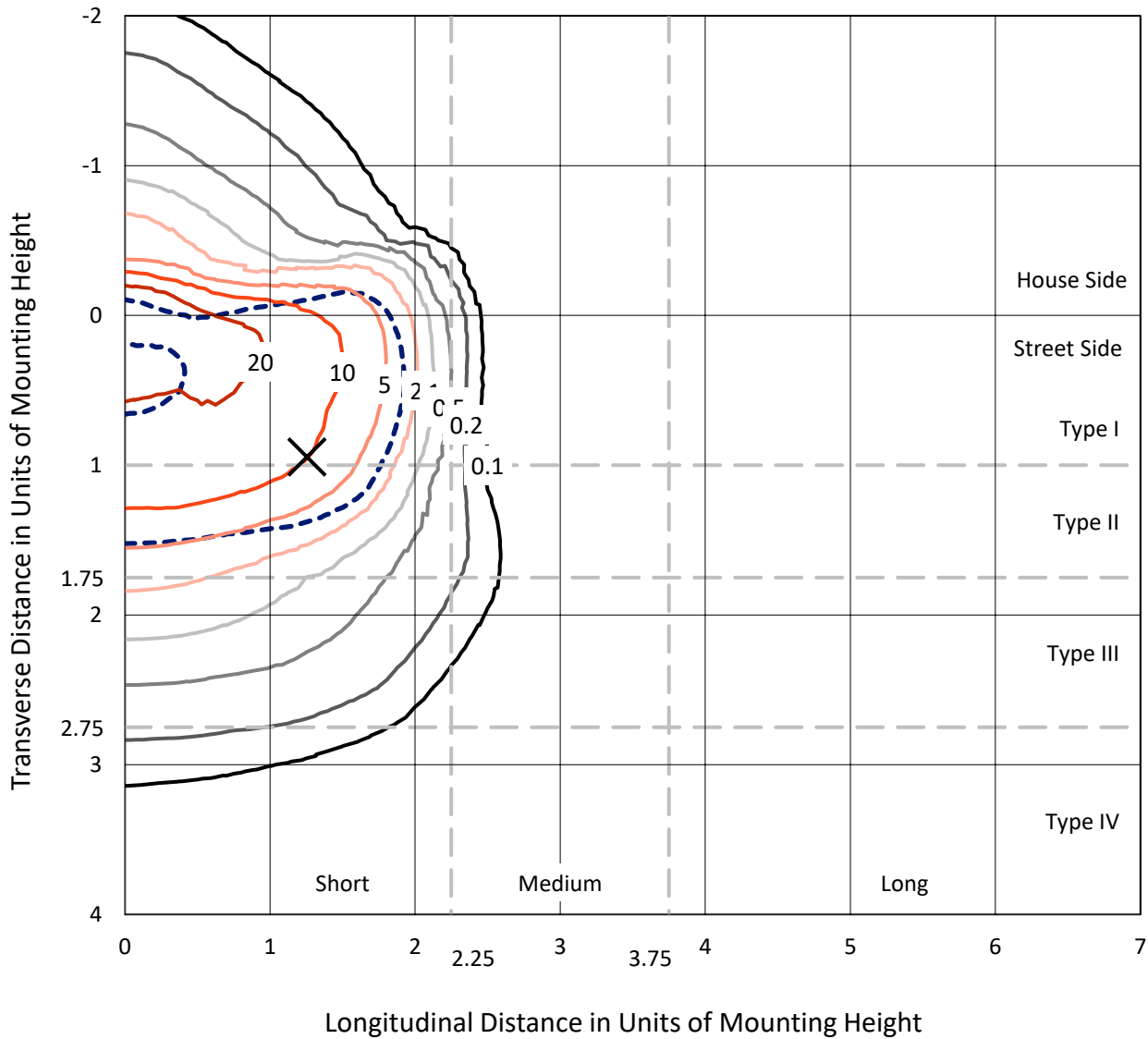
Lumens per Lamp: N/A  
Luminaire Lumens: 9373 lumens  
Efficiency: N/A  
Efficacy: 77.6 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')  
IES Classification: Type II - Short  
BUG Rating: B2 - U0 - G1  
  
Input Watts (W): 120.8  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 0  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 28.75 FT



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### Iso-Footcandle Lines of Horizontal Illumination

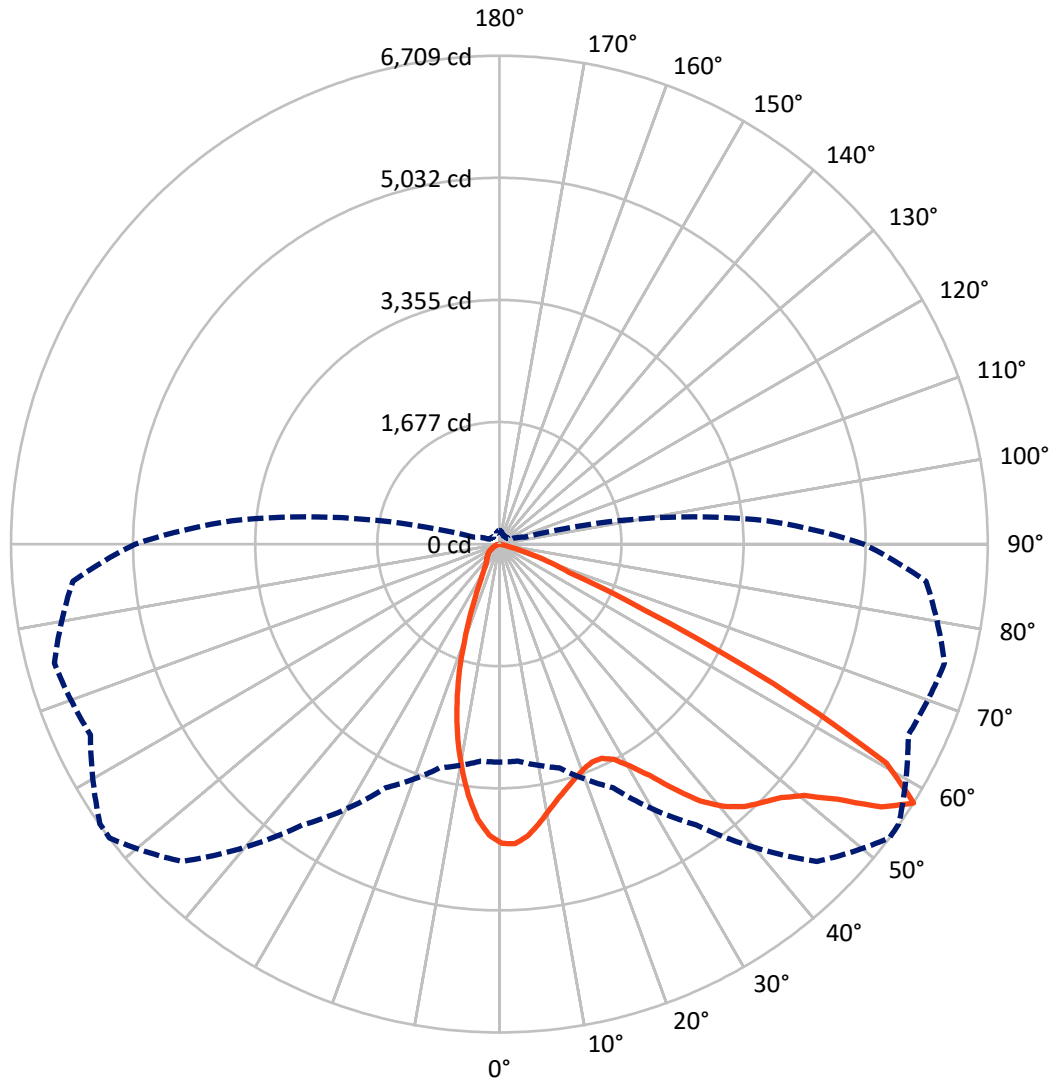
✕ Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 41.1 fc  
 Type II - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 53-Deg Lateral    - - - Horizontal Cone Through 57.5-Deg Vertical

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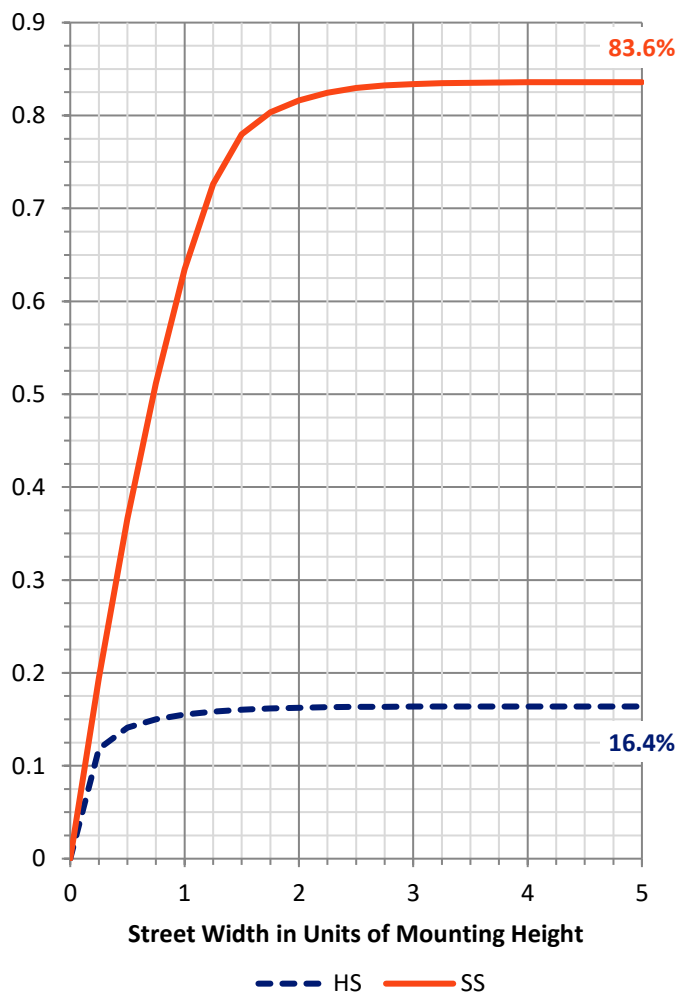
**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total  |
|--------------------|-----------|----------|--------|--------|
| <b>House Side</b>  | Lumens    | 1548.3   | 0.0    | 1548.3 |
|                    | % Fixture | 16.5     | 0.0    | 16.5   |
| <b>Street Side</b> | Lumens    | 7824.7   | 0.0    | 7824.7 |
|                    | % Fixture | 83.5     | 0.0    | 83.5   |
| <b>Total</b>       | Lumens    | 9373.0   | 0.0    | 9373.0 |
|                    | % Fixture | 100.0    | 0.0    | 100.0  |

**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 351.8  | 3.8       |
| 10°-20°   | 772.3  | 8.2       |
| 20°-30°   | 1006.1 | 10.7      |
| 30°-40°   | 1459.3 | 15.6      |
| 40°-50°   | 2105.7 | 22.5      |
| 50°-60°   | 2546.7 | 27.2      |
| 60°-70°   | 1037.9 | 11.1      |
| 70°-80°   | 93.3   | 1.0       |
| 80°-90°   | 0.0    | 0.0       |
| 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°    | 9373.0 | 100.0     |
| 0°-180°   | 9373.0 | 100.0     |

**Coefficient of Utilization**



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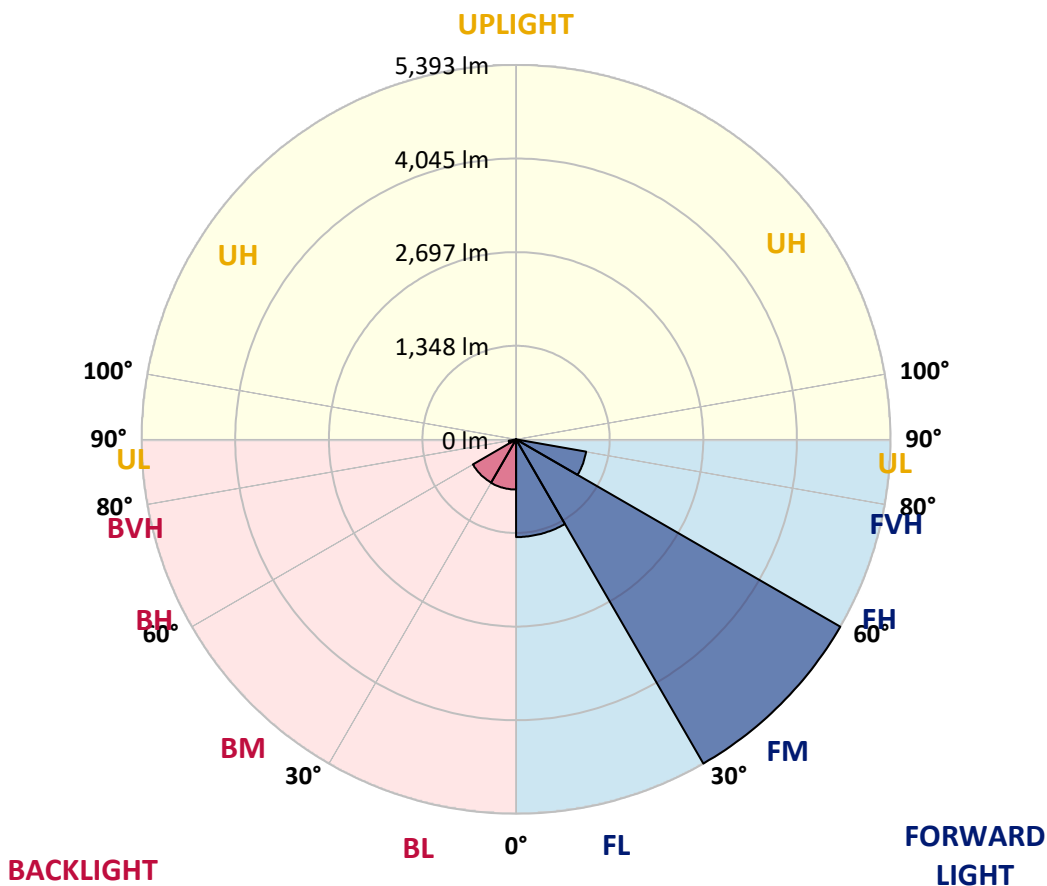
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

| Zone           | Lumens | % Fixture | Zone Rating/Lumen Limit |      |         |
|----------------|--------|-----------|-------------------------|------|---------|
|                |        |           | B                       | U    | G       |
| FL (0°-30°)    | 1407.5 | 15.0      |                         |      |         |
| FM (30°-60°)   | 5393.0 | 57.5      |                         |      |         |
| FH (60°-80°)   | 1024.1 | 10.9      |                         |      | G1/1800 |
| FVH (80°-90°)  | 0.0    | 0.0       |                         |      | G0/10   |
| BL (0°-30°)    | 722.6  | 7.7       | B2/1000                 |      |         |
| BM (30°-60°)   | 718.6  | 7.7       | B1/1000                 |      |         |
| BH (60°-80°)   | 107.0  | 1.1       | B0/110                  |      | G0/110  |
| BVH (80°-90°)  | 0.0    | 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-G1**

Type II Short





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**CANDELA DISTRIBUTION (FULL):**

|       | 0°     | 5°     | 15°    | 25°    | 35°    | 45°    | 53°    | 55°    | 65°    | 75°    | 85°    |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 4111.5 | 4111.5 | 4111.5 | 4111.5 | 4111.5 | 4111.5 | 4111.5 | 4111.5 | 4111.5 | 4111.5 | 4111.5 |
| 2.5°  | 4054.1 | 4063.3 | 4079.4 | 4100.0 | 4113.8 | 4120.7 | 4120.7 | 4140.3 | 4127.6 | 4117.3 | 4105.8 |
| 5°    | 3880.6 | 3889.8 | 3911.6 | 3945.0 | 3978.3 | 4002.4 | 4030.0 | 4050.6 | 4058.7 | 4058.7 | 4039.2 |
| 7.5°  | 3635.9 | 3648.6 | 3662.4 | 3708.3 | 3780.7 | 3834.7 | 3881.8 | 3911.6 | 3955.3 | 3969.1 | 3941.5 |
| 10°   | 3372.9 | 3385.5 | 3416.5 | 3479.7 | 3562.4 | 3642.8 | 3723.2 | 3761.2 | 3835.8 | 3874.9 | 3843.9 |
| 12.5° | 3150.0 | 3155.7 | 3197.1 | 3272.9 | 3378.6 | 3488.9 | 3586.5 | 3625.6 | 3731.3 | 3789.9 | 3753.1 |
| 15°   | 2966.2 | 2969.6 | 3011.0 | 3094.8 | 3216.6 | 3352.2 | 3475.1 | 3515.3 | 3645.1 | 3733.6 | 3678.4 |
| 17.5° | 2827.2 | 2828.3 | 2863.9 | 2954.7 | 3082.2 | 3232.7 | 3378.6 | 3428.0 | 3595.7 | 3702.6 | 3619.8 |
| 20°   | 2757.1 | 2753.7 | 2778.9 | 2858.2 | 2978.8 | 3129.3 | 3301.6 | 3362.5 | 3568.2 | 3698.0 | 3575.0 |
| 22.5° | 2758.3 | 2750.2 | 2760.6 | 2816.8 | 2919.1 | 3060.4 | 3253.4 | 3322.3 | 3570.5 | 3717.5 | 3537.1 |
| 25°   | 2823.7 | 2812.2 | 2814.5 | 2844.4 | 2916.8 | 3045.5 | 3260.3 | 3333.8 | 3616.4 | 3783.0 | 3523.3 |
| 27.5° | 2934.0 | 2921.4 | 2921.4 | 2936.3 | 2975.4 | 3092.6 | 3346.4 | 3430.3 | 3739.3 | 3910.5 | 3552.1 |
| 30°   | 3076.5 | 3063.8 | 3059.2 | 3074.2 | 3106.3 | 3214.3 | 3538.3 | 3625.6 | 3949.6 | 4119.6 | 3644.0 |
| 32.5° | 3239.6 | 3224.7 | 3232.7 | 3253.4 | 3284.4 | 3433.7 | 3785.3 | 3901.3 | 4212.6 | 4401.0 | 3809.4 |
| 35°   | 3411.9 | 3399.3 | 3436.0 | 3480.8 | 3529.1 | 3738.2 | 4126.5 | 4227.6 | 4535.4 | 4751.4 | 4062.1 |
| 37.5° | 3576.2 | 3570.5 | 3647.4 | 3741.6 | 3841.6 | 4103.5 | 4473.4 | 4551.5 | 4812.3 | 5132.8 | 4371.2 |
| 40°   | 3740.5 | 3739.3 | 3871.4 | 4036.9 | 4196.5 | 4467.7 | 4736.5 | 4800.8 | 4981.2 | 5429.2 | 4667.5 |
| 42.5° | 3924.3 | 3924.3 | 4106.9 | 4327.5 | 4540.0 | 4775.5 | 4929.5 | 4958.2 | 5057.0 | 5600.4 | 4890.4 |
| 45°   | 4100.0 | 4110.4 | 4321.8 | 4577.9 | 4829.5 | 5015.6 | 5062.7 | 5065.0 | 5088.0 | 5701.5 | 5075.4 |
| 47.5° | 4239.0 | 4248.2 | 4501.0 | 4796.2 | 5067.3 | 5198.3 | 5205.2 | 5194.8 | 5169.6 | 5798.0 | 5217.8 |
| 50°   | 4351.6 | 4365.4 | 4629.6 | 4942.1 | 5230.5 | 5374.1 | 5426.9 | 5416.6 | 5352.2 | 5901.4 | 5317.8 |
| 52.5° | 4406.8 | 4426.3 | 4674.4 | 5014.5 | 5412.0 | 5675.0 | 5822.1 | 5846.2 | 5625.6 | 5958.8 | 5413.1 |
| 55°   | 3965.6 | 3994.4 | 4223.0 | 4688.2 | 5513.1 | 6140.3 | 6371.2 | 6366.6 | 5922.0 | 6130.0 | 5645.2 |
| 57.5° | 2994.9 | 2992.6 | 3182.2 | 3691.1 | 4708.9 | 6166.7 | 6709.0 | 6699.8 | 6198.9 | 6328.7 | 5883.0 |
| 60°   | 2039.1 | 2025.3 | 2075.9 | 2321.7 | 3292.4 | 5023.7 | 6105.8 | 6229.9 | 6002.4 | 5846.2 | 4995.0 |
| 62.5° | 1678.4 | 1665.8 | 1649.7 | 1581.9 | 1890.9 | 3129.3 | 4218.4 | 4406.8 | 4376.9 | 4063.3 | 3132.8 |
| 65°   | 1374.0 | 1384.3 | 1429.1 | 1400.4 | 1315.4 | 1604.9 | 2189.6 | 2301.0 | 2103.4 | 1770.3 | 1094.8 |
| 67.5° | 1013.2 | 1017.8 | 1076.4 | 1228.1 | 1182.1 | 1068.4 | 1030.5 | 1048.8 | 614.6  | 282.6  | 182.7  |
| 70°   | 598.5  | 602.0  | 656.0  | 859.3  | 959.2  | 820.2  | 696.2  | 685.8  | 243.5  | 75.8   | 82.7   |
| 72.5° | 338.9  | 332.0  | 342.3  | 409.0  | 522.7  | 435.4  | 358.4  | 326.3  | 73.5   | 42.5   | 42.5   |
| 75°   | 160.8  | 156.2  | 134.4  | 126.4  | 114.9  | 73.5   | 46.0   | 39.1   | 18.4   | 17.2   | 17.2   |
| 77.5° | 1.1    | 3.4    | 2.3    | 3.4    | 3.4    | 2.3    | 1.1    | 1.1    | 3.4    | 3.4    | 4.6    |
| 80°   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 82.5° | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 85°   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 87.5° | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 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    |



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**CANDELA DISTRIBUTION (continued):**

|       | 90°    | 95°    | 105°   | 115°   | 125°   | 135°   | 145°   | 155°   | 165°   | 175°   | 180°   |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 4111.5 | 4111.5 | 4111.5 | 4111.5 | 4111.5 | 4111.5 | 4111.5 | 4111.5 | 4111.5 | 4111.5 | 4111.5 |
| 2.5°  | 4085.1 | 4050.6 | 4042.6 | 4040.3 | 4008.1 | 3973.7 | 3938.1 | 3924.3 | 3903.6 | 3891.0 | 3901.3 |
| 5°    | 4008.1 | 3958.7 | 3915.1 | 3874.9 | 3803.7 | 3725.5 | 3657.8 | 3614.1 | 3572.7 | 3545.2 | 3552.1 |
| 7.5°  | 3899.0 | 3834.7 | 3734.7 | 3632.5 | 3501.5 | 3384.3 | 3253.4 | 3173.0 | 3098.3 | 3056.9 | 3076.5 |
| 10°   | 3783.0 | 3698.0 | 3538.3 | 3364.8 | 3159.2 | 2975.4 | 2788.1 | 2635.3 | 2546.9 | 2463.0 | 2472.2 |
| 12.5° | 3669.2 | 3556.7 | 3317.7 | 3054.6 | 2795.0 | 2523.9 | 2241.3 | 2029.9 | 1885.2 | 1780.6 | 1764.5 |
| 15°   | 3563.6 | 3418.8 | 3102.9 | 2756.0 | 2402.1 | 2041.4 | 1680.7 | 1378.6 | 1210.8 | 1107.4 | 1100.5 |
| 17.5° | 3469.4 | 3290.1 | 2880.0 | 2443.5 | 2000.0 | 1538.2 | 1123.5 | 897.2  | 800.7  | 755.9  | 751.3  |
| 20°   | 3378.6 | 3160.3 | 2652.6 | 2126.4 | 1561.2 | 1079.9 | 775.4  | 670.9  | 639.9  | 621.5  | 623.8  |
| 22.5° | 3291.3 | 3019.0 | 2413.6 | 1774.9 | 1170.6 | 758.2  | 600.8  | 560.6  | 557.2  | 559.5  | 560.6  |
| 25°   | 3217.8 | 2889.2 | 2167.8 | 1436.0 | 835.2  | 577.8  | 502.0  | 490.5  | 500.9  | 515.8  | 518.1  |
| 27.5° | 3179.9 | 2783.5 | 1927.7 | 1094.8 | 604.3  | 469.9  | 435.4  | 440.0  | 458.4  | 474.5  | 476.7  |
| 30°   | 3190.2 | 2704.3 | 1679.5 | 793.8  | 465.3  | 396.3  | 384.8  | 394.0  | 412.4  | 427.4  | 429.6  |
| 32.5° | 3263.7 | 2664.1 | 1425.7 | 577.8  | 382.5  | 345.8  | 341.2  | 348.1  | 364.2  | 375.7  | 376.8  |
| 35°   | 3409.6 | 2673.2 | 1184.4 | 442.3  | 328.6  | 307.9  | 306.7  | 311.3  | 319.4  | 327.4  | 328.6  |
| 37.5° | 3624.4 | 2747.9 | 946.6  | 367.6  | 297.5  | 282.6  | 278.0  | 278.0  | 283.8  | 287.2  | 289.5  |
| 40°   | 3855.4 | 2860.5 | 758.2  | 325.1  | 275.7  | 259.6  | 250.4  | 247.0  | 251.6  | 256.2  | 257.3  |
| 42.5° | 4046.1 | 2973.1 | 615.8  | 295.2  | 258.5  | 236.7  | 225.2  | 222.9  | 228.6  | 236.7  | 238.9  |
| 45°   | 4191.9 | 3060.4 | 513.5  | 271.1  | 238.9  | 214.8  | 202.2  | 202.2  | 212.5  | 226.3  | 228.6  |
| 47.5° | 4325.2 | 3130.5 | 437.7  | 249.3  | 220.6  | 195.3  | 182.7  | 185.0  | 202.2  | 220.6  | 224.0  |
| 50°   | 4416.0 | 3186.8 | 381.4  | 229.8  | 205.6  | 179.2  | 167.7  | 172.3  | 193.0  | 214.8  | 218.3  |
| 52.5° | 4513.6 | 3255.7 | 344.6  | 212.5  | 191.8  | 166.6  | 156.2  | 159.7  | 182.7  | 206.8  | 211.4  |
| 55°   | 4783.6 | 3486.6 | 343.5  | 189.6  | 167.7  | 149.3  | 144.7  | 145.9  | 168.9  | 196.4  | 202.2  |
| 57.5° | 5004.1 | 3689.9 | 366.5  | 159.7  | 140.2  | 131.0  | 128.7  | 129.8  | 150.5  | 181.5  | 188.4  |
| 60°   | 4140.3 | 2867.4 | 303.3  | 132.1  | 117.2  | 114.9  | 111.4  | 113.7  | 133.3  | 160.8  | 166.6  |
| 62.5° | 2450.4 | 1639.3 | 144.7  | 101.1  | 99.9   | 97.6   | 94.2   | 98.8   | 117.2  | 141.3  | 144.7  |
| 65°   | 837.5  | 485.9  | 91.9   | 82.7   | 85.0   | 81.6   | 78.1   | 82.7   | 98.8   | 112.6  | 113.7  |
| 67.5° | 160.8  | 128.7  | 73.5   | 68.9   | 70.1   | 63.2   | 62.0   | 66.6   | 75.8   | 78.1   | 77.0   |
| 70°   | 83.9   | 74.7   | 56.3   | 56.3   | 54.0   | 44.8   | 44.8   | 49.4   | 49.4   | 46.0   | 44.8   |
| 72.5° | 43.7   | 41.4   | 36.8   | 41.4   | 34.5   | 27.6   | 27.6   | 29.9   | 27.6   | 23.0   | 23.0   |
| 75°   | 17.2   | 17.2   | 16.1   | 20.7   | 14.9   | 12.6   | 11.5   | 13.8   | 10.3   | 8.0    | 8.0    |
| 77.5° | 4.6    | 4.6    | 4.6    | 5.7    | 3.4    | 3.4    | 2.3    | 2.3    | 1.1    | 0.0    | 0.0    |
| 80°   | 0.0    | 1.1    | 0.0    | 1.1    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 82.5° | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 85°   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 87.5° | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 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)