

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: McGRAW-EDISON

Report Number: P387063

Luminaire Tested: **GWC-SA2D-740-U-SLL**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P387063  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-26)  
Test Lab: INNOVATION CENTER  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: MCGRAW-EDISON  
Catalog Number: GWC-SA2D-740-U-SLL  
Description: GALLEON WALL LUMINAIRE  
(2) 70 CRI, 4000K, 1200mA LIGHTSQUARES WITH 16 LEDS EACH AND SPILL LIGHT  
ELIMINATOR LEFT OPTICS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 14231 lumens  
Efficiency: N/A  
Efficacy: 110.3 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')  
IES Classification: Type III - Medium  
BUG Rating: B2 - U0 - G3

Input Watts (W): 129  
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: 28.75 FT

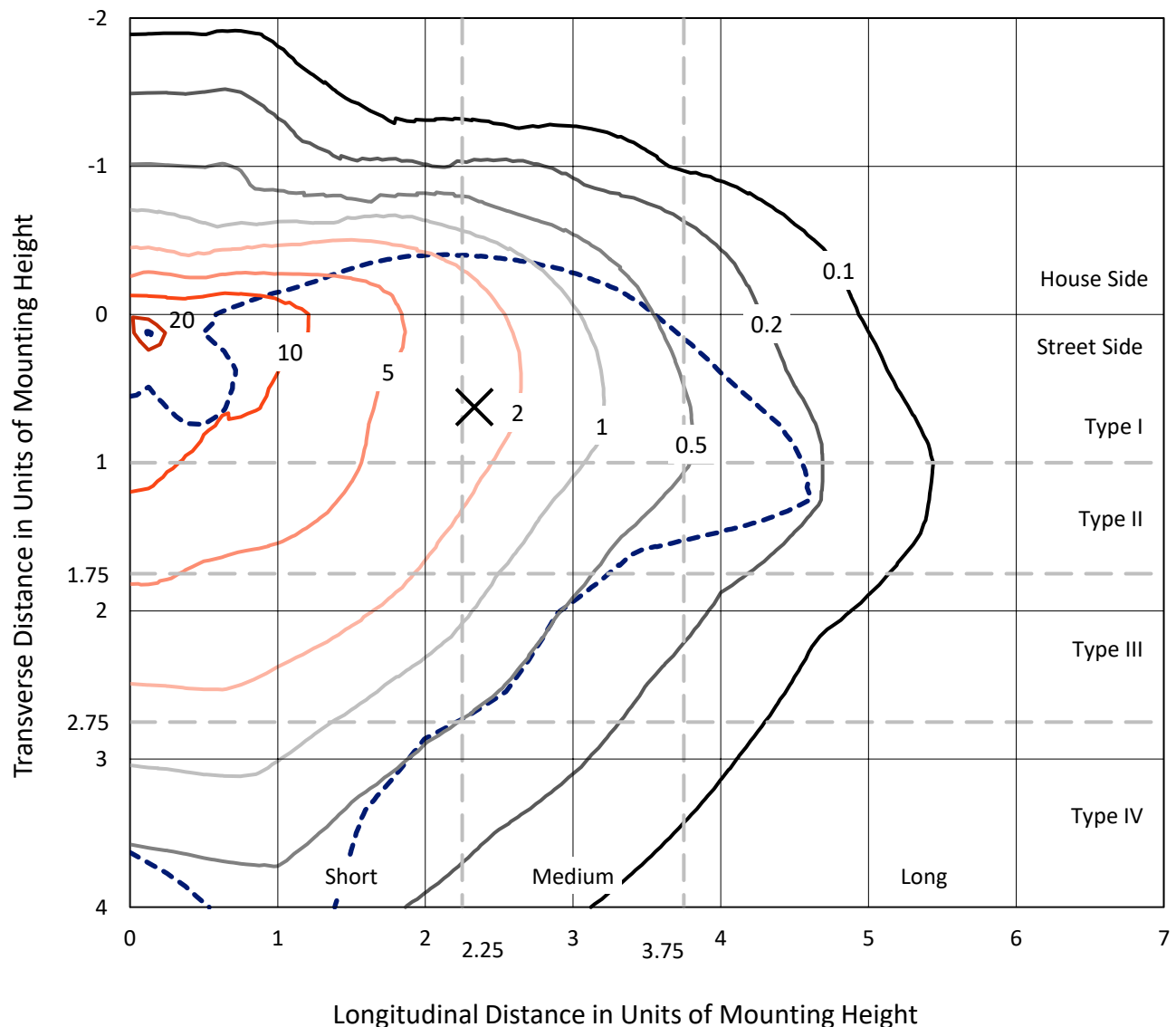


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## Iso-Footcandle Lines of Horizontal Illumination

× Max cd  
 - - - 1/2 Max cd

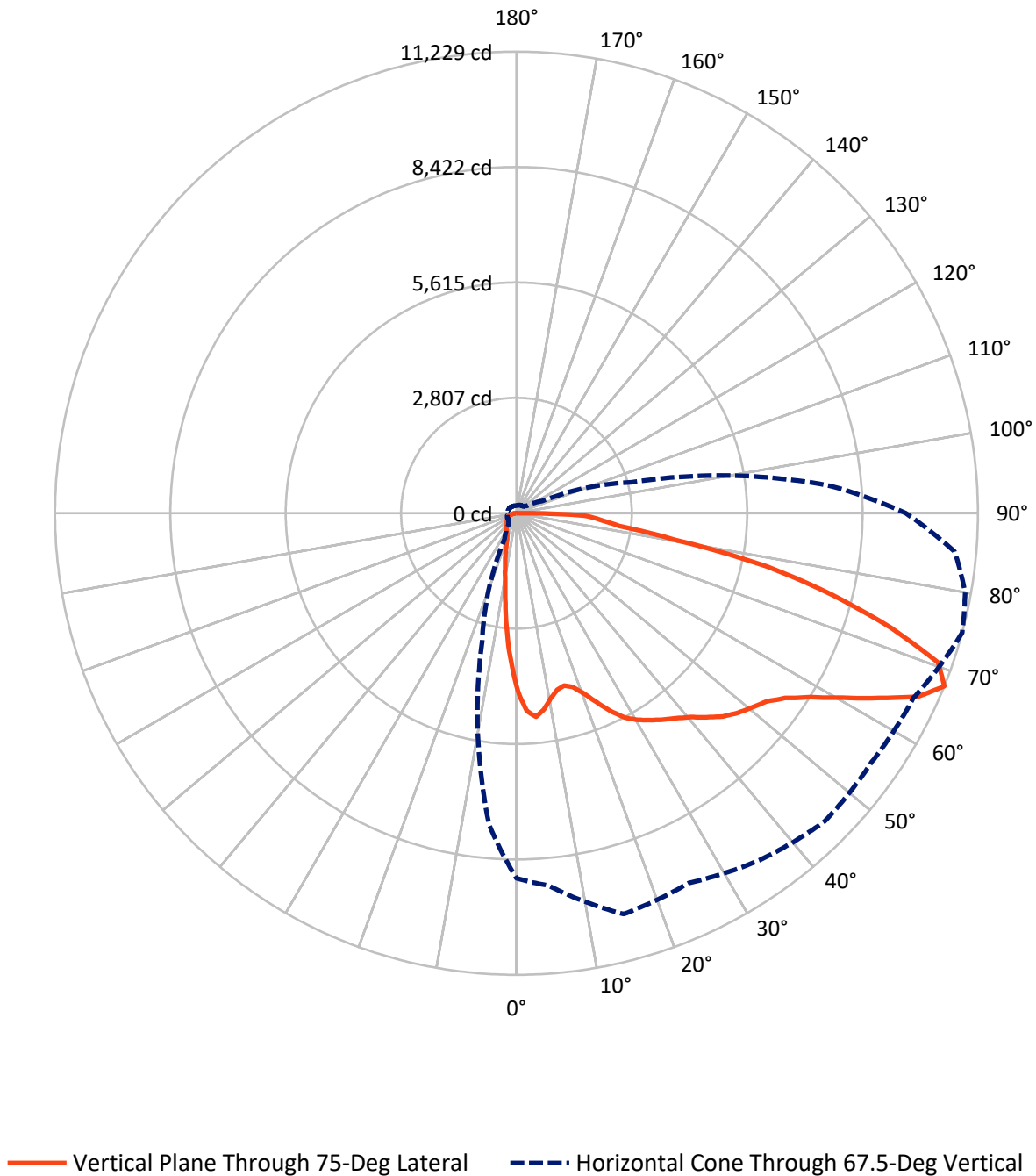


Based on 15 foot mounting height. Maximum calculated value = 24.2 fc  
 Type III - Medium - N/A

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## Luminous Intensity Polar Plot



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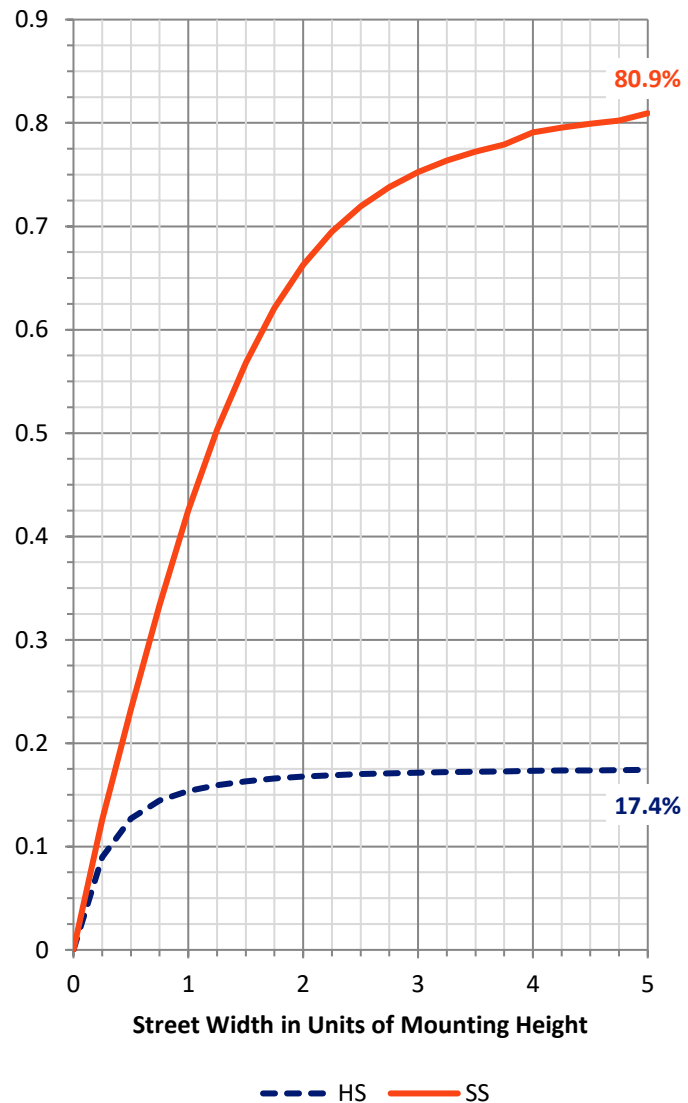
**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total   |
|--------------------|-----------|----------|--------|---------|
| <b>House Side</b>  | Lumens    | 2506.4   | 0.0    | 2506.4  |
|                    | % Fixture | 17.6     | 0.0    | 17.6    |
| <b>Street Side</b> | Lumens    | 11724.6  | 0.0    | 11724.6 |
|                    | % Fixture | 82.4     | 0.0    | 82.4    |
| <b>Total</b>       | Lumens    | 14231.0  | 0.0    | 14231.0 |
|                    | % Fixture | 100.0    | 0.0    | 100.0   |

**ZONAL LUMENS:**

| Zone      | Lumens  | % Fixture |
|-----------|---------|-----------|
| 0°-10°    | 334.6   | 2.4       |
| 10°-20°   | 695.1   | 4.9       |
| 20°-30°   | 988.6   | 6.9       |
| 30°-40°   | 1424.6  | 10.0      |
| 40°-50°   | 2007.6  | 14.1      |
| 50°-60°   | 2790.9  | 19.6      |
| 60°-70°   | 3375.1  | 23.7      |
| 70°-80°   | 2074.6  | 14.6      |
| 80°-90°   | 539.8   | 3.8       |
| 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°    | 14231.0 | 100.0     |
| 0°-180°   | 14231.0 | 100.0     |

**Coefficient of Utilization**



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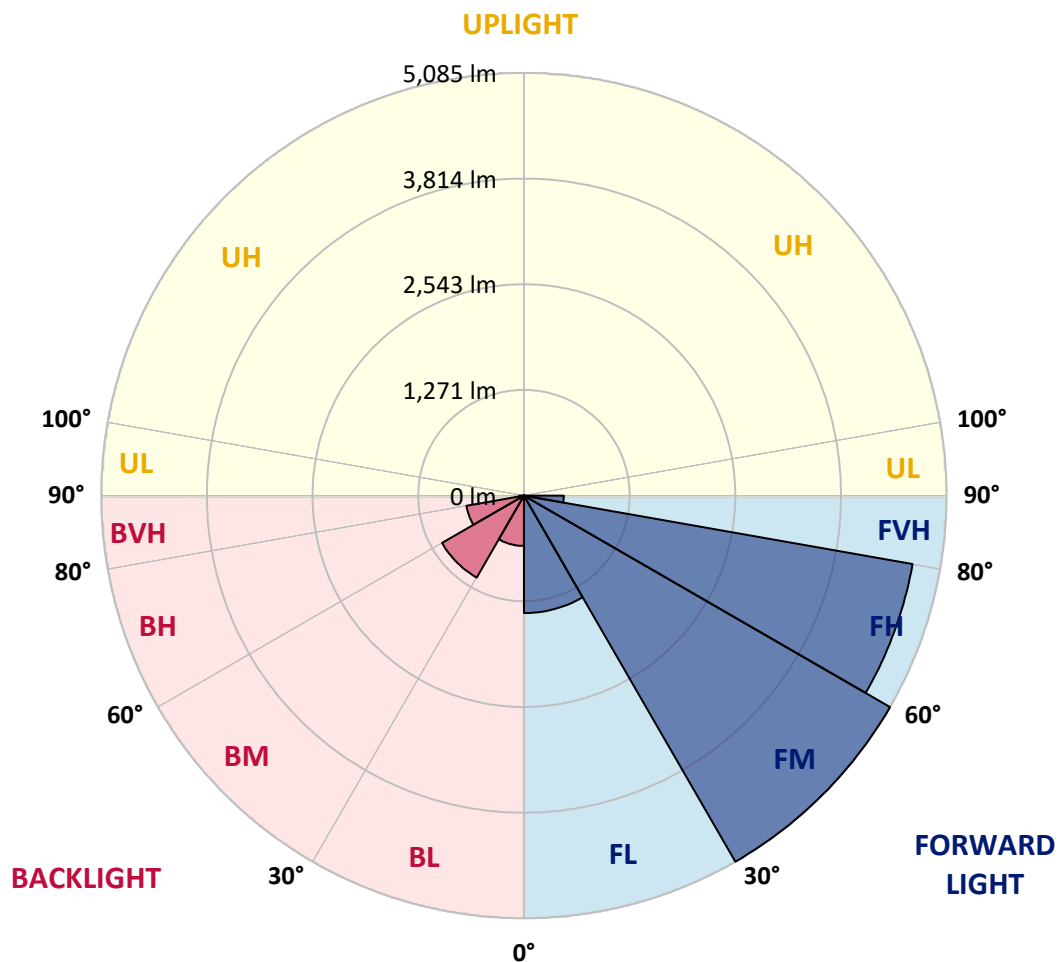
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

| Zone |             | Lumens | % Fixture | Zone Rating/Lumen Limit |      |         |
|------|-------------|--------|-----------|-------------------------|------|---------|
|      |             |        |           | B                       | U    | G       |
| FL   | (0°-30°)    | 1413.0 | 9.9       |                         |      |         |
| FM   | (30°-60°)   | 5085.4 | 35.7      |                         |      |         |
| FH   | (60°-80°)   | 4747.0 | 33.4      |                         |      | G2/5000 |
| FVH  | (80°-90°)   | 479.2  | 3.4       |                         |      | G3/500  |
| BL   | (0°-30°)    | 605.3  | 4.3       | B2/1000                 |      |         |
| BM   | (30°-60°)   | 1137.7 | 8.0       | B2/2500                 |      |         |
| BH   | (60°-80°)   | 702.7  | 4.9       | B2/1000                 |      | G2/1000 |
| BVH  | (80°-90°)   | 60.7   | 0.4       |                         |      | G1/100  |
| UL   | (90°-100°)  | 0.0    | 0.0       |                         | U0/0 |         |
| UH   | (100°-180°) | 0.0    | 0.0       |                         | U0/0 |         |

**BUG Rating: B2-U0-G3**

Type III Medium



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**CANDELA DISTRIBUTION (FULL):**

|        | 0°      | 5°      | 10°    | 15°     | 20°     | 25°     | 30°     | 35°     | 40°     | 45°     | 50°     |
|--------|---------|---------|--------|---------|---------|---------|---------|---------|---------|---------|---------|
| 0°     | 4335.5  | 4335.5  | 4335.5 | 4335.5  | 4335.5  | 4335.5  | 4335.5  | 4335.5  | 4335.5  | 4335.5  | 4335.5  |
| 2.5°   | 4621.2  | 4682.0  | 4724.1 | 4765.7  | 4798.1  | 4830.0  | 4876.6  | 4923.3  | 4932.4  | 4940.9  | 4922.7  |
| 5°     | 4593.9  | 4742.4  | 4868.7 | 4994.4  | 5111.0  | 5227.7  | 5297.7  | 5367.6  | 5381.9  | 5396.1  | 5352.3  |
| 7.5°   | 4299.7  | 4518.7  | 4737.8 | 4956.9  | 5157.7  | 5358.5  | 5480.9  | 5602.6  | 5630.5  | 5657.8  | 5586.1  |
| 10°    | 3965.1  | 4220.0  | 4489.2 | 4758.3  | 5022.9  | 5287.4  | 5464.4  | 5641.3  | 5676.6  | 5711.9  | 5622.5  |
| 12.5°  | 3710.8  | 3989.0  | 4276.4 | 4563.7  | 4843.1  | 5121.9  | 5305.1  | 5488.3  | 5532.1  | 5575.9  | 5511.0  |
| 15°    | 3613.0  | 3917.9  | 4188.2 | 4458.4  | 4702.0  | 4944.9  | 5095.1  | 5244.8  | 5263.0  | 5280.6  | 5270.4  |
| 17.5°  | 3710.8  | 4047.1  | 4291.7 | 4535.8  | 4668.4  | 4800.4  | 4860.7  | 4920.4  | 4940.4  | 4959.7  | 4985.9  |
| 20°    | 3997.0  | 4360.0  | 4532.4 | 4704.2  | 4698.5  | 4692.3  | 4663.3  | 4633.7  | 4628.6  | 4623.4  | 4697.4  |
| 22.5°  | 4405.5  | 4827.1  | 4896.0 | 4964.3  | 4804.4  | 4644.5  | 4547.2  | 4449.3  | 4430.0  | 4410.1  | 4488.6  |
| 25°    | 4885.2  | 5334.1  | 5321.6 | 5308.5  | 5004.1  | 4699.1  | 4513.6  | 4328.1  | 4306.5  | 4284.9  | 4352.0  |
| 27.5°  | 5406.9  | 5835.9  | 5754.0 | 5672.0  | 5258.4  | 4844.8  | 4575.6  | 4306.5  | 4284.9  | 4263.3  | 4322.5  |
| 30°    | 5814.9  | 6204.0  | 6072.6 | 5941.2  | 5472.9  | 5004.6  | 4684.9  | 4365.1  | 4329.9  | 4294.0  | 4366.8  |
| 32.5°  | 6160.2  | 6491.4  | 6315.0 | 6138.6  | 5647.0  | 5155.4  | 4809.5  | 4463.6  | 4408.4  | 4353.2  | 4450.5  |
| 35°    | 6519.8  | 6778.1  | 6530.1 | 6281.4  | 5802.3  | 5322.7  | 4956.9  | 4590.4  | 4522.7  | 4455.0  | 4588.7  |
| 37.5°  | 6924.3  | 7138.8  | 6782.7 | 6425.9  | 5977.0  | 5528.1  | 5177.6  | 4826.6  | 4757.1  | 4687.7  | 4858.4  |
| 40°    | 7351.6  | 7530.3  | 7055.2 | 6580.1  | 6168.2  | 5756.3  | 5483.2  | 5209.5  | 5143.5  | 5076.9  | 5284.0  |
| 42.5°  | 7725.5  | 7855.7  | 7309.0 | 6762.2  | 6398.6  | 6034.5  | 5842.2  | 5649.3  | 5648.7  | 5647.6  | 5857.5  |
| 45°    | 8007.1  | 8120.3  | 7520.6 | 6920.4  | 6623.4  | 6325.8  | 6225.7  | 6125.5  | 6205.7  | 6286.0  | 6476.0  |
| 47.5°  | 8240.9  | 8317.8  | 7698.1 | 7078.0  | 6880.5  | 6683.1  | 6697.9  | 6712.7  | 6876.0  | 7039.3  | 7161.6  |
| 50°    | 8508.4  | 8446.3  | 7859.2 | 7271.4  | 7210.5  | 7149.7  | 7282.8  | 7415.4  | 7603.1  | 7790.3  | 7873.4  |
| 52.5°  | 8798.0  | 8633.5  | 8077.6 | 7521.2  | 7589.5  | 7657.7  | 7928.6  | 8199.4  | 8388.9  | 8578.3  | 8609.6  |
| 55°    | 9318.6  | 9066.5  | 8479.3 | 7891.6  | 8023.0  | 8153.9  | 8551.6  | 8948.7  | 9096.7  | 9244.6  | 9256.0  |
| 57.5°  | 9905.2  | 9681.6  | 9042.0 | 8402.5  | 8543.6  | 8684.7  | 9143.9  | 9602.5  | 9762.4  | 9921.7  | 9899.5  |
| 60°    | 10131.1 | 10141.9 | 9576.3 | 9010.2  | 9152.4  | 9294.7  | 9741.9  | 10189.1 | 10372.9 | 10556.1 | 10507.1 |
| 62.5°  | 9903.5  | 10170.3 | 9868.2 | 9565.5  | 9694.7  | 9823.2  | 10261.3 | 10699.5 | 10887.8 | 11076.1 | 10990.8 |
| 65°    | 9453.4  | 9718.0  | 9853.4 | 9988.8  | 10031.5 | 10074.2 | 10483.2 | 10891.8 | 11036.3 | 11180.2 | 11137.0 |
| 67.5°  | 8881.0  | 9095.0  | 9594.5 | 10093.5 | 10007.6 | 9921.7  | 10113.4 | 10305.2 | 10453.7 | 10602.2 | 10577.7 |
| 70°    | 8218.2  | 8473.1  | 9139.3 | 9805.6  | 9383.4  | 8960.7  | 8881.6  | 8802.5  | 8963.0  | 9122.8  | 9023.8  |
| 72.5°  | 7029.6  | 7414.2  | 8124.9 | 8834.9  | 8057.2  | 7279.4  | 7009.1  | 6738.9  | 6942.0  | 7145.1  | 6987.5  |
| 75°    | 5309.6  | 5820.0  | 6605.2 | 7389.8  | 6461.8  | 5533.8  | 5173.1  | 4812.3  | 4987.0  | 5161.7  | 5053.6  |
| 77.5°  | 3692.6  | 4332.7  | 5105.9 | 5879.2  | 4935.8  | 3991.9  | 3723.9  | 3455.3  | 3507.7  | 3559.5  | 3541.3  |
| 80°    | 2517.7  | 2938.7  | 3478.1 | 4016.9  | 3388.8  | 2760.6  | 2781.7  | 2802.2  | 2777.7  | 2752.7  | 2789.1  |
| 82.5°  | 1578.9  | 1875.3  | 2291.8 | 2707.7  | 2374.3  | 2040.9  | 2232.1  | 2423.2  | 2329.4  | 2234.9  | 2270.2  |
| 85°    | 889.3   | 1070.2  | 1477.6 | 1884.4  | 1756.4  | 1627.8  | 1739.9  | 1851.4  | 1705.8  | 1560.1  | 1624.4  |
| 87.5°  | 169.6   | 282.2   | 817.6  | 1352.4  | 1227.8  | 1103.2  | 958.7   | 814.2   | 621.3   | 428.4   | 625.9   |
| 90°    | 0.0     | 0.0     | 0.0    | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     |
| 92.5°  | 0.0     | 0.0     | 0.0    | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     |
| 95°    | 0.0     | 0.0     | 0.0    | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     |
| 97.5°  | 0.0     | 0.0     | 0.0    | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     |
| 100°   | 0.0     | 0.0     | 0.0    | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     |
| 102.5° | 0.0     | 0.0     | 0.0    | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     |
| 105°   | 0.0     | 0.0     | 0.0    | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     |
| 107.5° | 0.0     | 0.0     | 0.0    | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     |
| 110°   | 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):**

|        | 0°  | 5°  | 10° | 15° | 20° | 25° | 30° | 35° | 40° | 45° | 50° |
|--------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| 112.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 115°   | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 117.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 120°   | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 122.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 125°   | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 127.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 130°   | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 132.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 135°   | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 137.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 140°   | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 142.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 145°   | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 147.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 150°   | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 152.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 155°   | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 157.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 160°   | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 162.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 165°   | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 167.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 170°   | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 172.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 175°   | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 177.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 180°   | 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):**

|        | 55°     | 60°     | 65°     | 70°     | 75°     | 80°     | 85°     | 90°     | 95°    | 100°   | 105°   |
|--------|---------|---------|---------|---------|---------|---------|---------|---------|--------|--------|--------|
| 0°     | 4335.5  | 4335.5  | 4335.5  | 4335.5  | 4335.5  | 4335.5  | 4335.5  | 4335.5  | 4335.5 | 4335.5 | 4335.5 |
| 2.5°   | 4904.5  | 4894.8  | 4885.2  | 4850.5  | 4815.2  | 4762.8  | 4719.6  | 4644.5  | 4603.5 | 4541.5 | 4479.5 |
| 5°     | 5307.9  | 5246.5  | 5185.0  | 5079.2  | 4972.8  | 4854.4  | 4718.5  | 4567.7  | 4453.9 | 4306.0 | 4158.0 |
| 7.5°   | 5514.4  | 5371.1  | 5227.1  | 5024.0  | 4820.3  | 4637.1  | 4422.0  | 4221.7  | 4051.1 | 3858.7 | 3666.4 |
| 10°    | 5533.2  | 5318.1  | 5102.5  | 4838.5  | 4573.9  | 4351.5  | 4104.0  | 3881.5  | 3676.7 | 3455.9 | 3234.6 |
| 12.5°  | 5445.6  | 5216.9  | 4987.6  | 4696.8  | 4405.5  | 4152.9  | 3886.6  | 3637.4  | 3410.4 | 3167.4 | 2923.9 |
| 15°    | 5260.1  | 5077.5  | 4894.3  | 4621.7  | 4349.2  | 4094.3  | 3836.0  | 3540.7  | 3284.1 | 3035.4 | 2786.2 |
| 17.5°  | 5011.5  | 4925.0  | 4837.9  | 4641.1  | 4443.6  | 4222.9  | 3972.5  | 3626.0  | 3325.6 | 3055.4 | 2785.1 |
| 20°    | 4770.8  | 4802.7  | 4834.0  | 4755.4  | 4676.9  | 4500.0  | 4281.5  | 3892.3  | 3508.8 | 3155.5 | 2801.6 |
| 22.5°  | 4566.5  | 4719.6  | 4872.1  | 4933.0  | 4993.3  | 4886.9  | 4716.2  | 4266.1  | 3758.6 | 3297.2 | 2835.7 |
| 25°    | 4418.6  | 4672.4  | 4926.1  | 5128.7  | 5330.7  | 5283.4  | 5152.0  | 4720.2  | 4089.7 | 3501.4 | 2912.6 |
| 27.5°  | 4381.6  | 4692.9  | 5004.1  | 5318.1  | 5631.7  | 5675.5  | 5639.0  | 5198.7  | 4484.6 | 3755.2 | 3025.2 |
| 30°    | 4439.7  | 4754.9  | 5069.5  | 5451.9  | 5833.6  | 6008.3  | 6057.2  | 5597.5  | 4935.8 | 4051.1 | 3165.7 |
| 32.5°  | 4547.8  | 4856.7  | 5165.7  | 5582.2  | 5998.1  | 6262.1  | 6418.0  | 5962.2  | 5250.4 | 4274.1 | 3297.2 |
| 35°    | 4722.4  | 5011.5  | 5300.5  | 5734.1  | 6167.6  | 6509.0  | 6793.5  | 6338.9  | 5529.8 | 4430.0 | 3329.6 |
| 37.5°  | 5028.5  | 5277.2  | 5525.8  | 5926.4  | 6326.4  | 6769.0  | 7196.3  | 6753.7  | 5831.9 | 4580.2 | 3327.9 |
| 40°    | 5491.1  | 5666.9  | 5842.2  | 6180.7  | 6518.7  | 7075.7  | 7652.6  | 7216.2  | 6165.9 | 4742.9 | 3319.9 |
| 42.5°  | 6067.5  | 6157.9  | 6247.8  | 6515.8  | 6783.8  | 7396.0  | 8066.8  | 7668.6  | 6484.5 | 4894.3 | 3304.0 |
| 45°    | 6665.5  | 6689.4  | 6713.3  | 6882.2  | 7050.7  | 7649.8  | 8349.0  | 8008.2  | 6762.8 | 5025.7 | 3288.1 |
| 47.5°  | 7283.4  | 7201.4  | 7119.5  | 7186.6  | 7253.8  | 7844.4  | 8550.5  | 8266.0  | 7042.1 | 5171.4 | 3300.0 |
| 50°    | 7956.5  | 7728.3  | 7500.1  | 7464.9  | 7429.6  | 8039.0  | 8787.7  | 8593.7  | 7377.8 | 5383.6 | 3389.3 |
| 52.5°  | 8640.4  | 8264.3  | 7888.2  | 7748.8  | 7608.8  | 8271.1  | 9102.4  | 9001.7  | 7856.9 | 5712.4 | 3567.4 |
| 55°    | 9267.4  | 8788.9  | 8310.4  | 8122.6  | 7934.8  | 8626.1  | 9486.4  | 9600.8  | 8470.8 | 6132.9 | 3794.5 |
| 57.5°  | 9876.7  | 9334.5  | 8792.3  | 8618.2  | 8444.1  | 9147.9  | 9972.9  | 10138.5 | 9091.0 | 6536.3 | 3981.1 |
| 60°    | 10458.2 | 9921.7  | 9384.6  | 9245.2  | 9105.2  | 9796.5  | 10498.6 | 10378.0 | 9410.7 | 6725.2 | 4039.1 |
| 62.5°  | 10905.4 | 10478.7 | 10052.0 | 9978.6  | 9904.6  | 10452.5 | 10902.6 | 10284.7 | 9207.6 | 6539.2 | 3870.7 |
| 65°    | 11093.8 | 10850.8 | 10607.3 | 10676.1 | 10744.4 | 10948.7 | 11003.3 | 10011.6 | 8569.2 | 6018.0 | 3466.7 |
| 67.5°  | 10552.7 | 10602.2 | 10651.7 | 10940.7 | 11229.2 | 11088.6 | 10704.0 | 9473.3  | 7660.6 | 5279.5 | 2898.3 |
| 70°    | 8924.3  | 9221.3  | 9517.7  | 10201.6 | 10884.9 | 10573.1 | 9902.3  | 8507.2  | 6567.0 | 4428.9 | 2290.1 |
| 72.5°  | 6829.3  | 7163.3  | 7496.7  | 8511.8  | 9526.2  | 9238.9  | 8417.3  | 6987.5  | 5265.2 | 3536.7 | 1807.6 |
| 75°    | 4944.9  | 5322.1  | 5698.8  | 6818.5  | 7938.3  | 7539.4  | 6296.2  | 5002.9  | 3999.3 | 2699.8 | 1399.7 |
| 77.5°  | 3522.5  | 3775.1  | 4027.7  | 5133.8  | 6239.3  | 5589.5  | 4191.0  | 3366.6  | 2768.0 | 1876.5 | 984.3  |
| 80°    | 2825.5  | 2748.1  | 2670.7  | 3286.9  | 3903.1  | 3795.0  | 2772.0  | 2162.1  | 1915.7 | 1257.4 | 599.1  |
| 82.5°  | 2304.9  | 2116.0  | 1927.1  | 2217.3  | 2507.4  | 2491.5  | 1923.7  | 1586.3  | 1425.8 | 873.9  | 322.0  |
| 85°    | 1688.1  | 1612.5  | 1536.8  | 1793.4  | 2050.0  | 1830.9  | 1302.9  | 1008.2  | 1111.8 | 643.5  | 175.2  |
| 87.5°  | 823.3   | 940.5   | 1057.1  | 1359.8  | 1662.0  | 1247.7  | 395.4   | 195.7   | 270.8  | 178.1  | 84.8   |
| 90°    | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0    | 0.0    | 0.0    |
| 92.5°  | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0    | 0.0    | 0.0    |
| 95°    | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0    | 0.0    | 0.0    |
| 97.5°  | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0    | 0.0    | 0.0    |
| 100°   | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0    | 0.0    | 0.0    |
| 102.5° | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0    | 0.0    | 0.0    |
| 105°   | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0    | 0.0    | 0.0    |
| 107.5° | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0    | 0.0    | 0.0    |
| 110°   | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0    | 0.0    | 0.0    |



REPORT NUMBER: P387063

CATALOG NUMBER: GWC-SA2D-740-U-SLL

**CANDELA DISTRIBUTION (continued):**

|        | 55° | 60° | 65° | 70° | 75° | 80° | 85° | 90° | 95° | 100° | 105° |
|--------|-----|-----|-----|-----|-----|-----|-----|-----|-----|------|------|
| 112.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0  | 0.0  |
| 115°   | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0  | 0.0  |
| 117.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0  | 0.0  |
| 120°   | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0  | 0.0  |
| 122.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0  | 0.0  |
| 125°   | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0  | 0.0  |
| 127.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0  | 0.0  |
| 130°   | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0  | 0.0  |
| 132.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0  | 0.0  |
| 135°   | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0  | 0.0  |
| 137.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0  | 0.0  |
| 140°   | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0  | 0.0  |
| 142.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0  | 0.0  |
| 145°   | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0  | 0.0  |
| 147.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0  | 0.0  |
| 150°   | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0  | 0.0  |
| 152.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0  | 0.0  |
| 155°   | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0  | 0.0  |
| 157.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0  | 0.0  |
| 160°   | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0  | 0.0  |
| 162.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0  | 0.0  |
| 165°   | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0  | 0.0  |
| 167.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0  | 0.0  |
| 170°   | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0  | 0.0  |
| 172.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0  | 0.0  |
| 175°   | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0  | 0.0  |
| 177.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0  | 0.0  |
| 180°   | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0  | 0.0  |

REPORT NUMBER: P387063

CATALOG NUMBER: GWC-SA2D-740-U-SLL

**CANDELA DISTRIBUTION (continued):**

|        | 110°   | 115°   | 120°   | 125°   | 130°   | 135°   | 140°   | 145°   | 150°   | 155°   | 160°   |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°     | 4335.5 | 4335.5 | 4335.5 | 4335.5 | 4335.5 | 4335.5 | 4335.5 | 4335.5 | 4335.5 | 4335.5 | 4335.5 |
| 2.5°   | 4433.4 | 4386.7 | 4333.8 | 4280.9 | 4220.6 | 4159.7 | 4123.9 | 4087.5 | 4048.2 | 4009.0 | 3964.6 |
| 5°     | 4060.2 | 3962.3 | 3851.3 | 3740.4 | 3630.6 | 3520.8 | 3461.6 | 3402.4 | 3339.8 | 3276.7 | 3222.1 |
| 7.5°   | 3524.2 | 3381.4 | 3227.8 | 3073.6 | 2937.0 | 2799.9 | 2715.1 | 2629.8 | 2552.4 | 2474.4 | 2409.0 |
| 10°    | 3052.5 | 2870.4 | 2716.3 | 2561.5 | 2458.5 | 2355.5 | 2277.6 | 2199.6 | 2124.5 | 2048.9 | 1976.6 |
| 12.5°  | 2741.9 | 2559.8 | 2461.9 | 2364.1 | 2278.7 | 2193.4 | 2103.5 | 2013.0 | 1910.0 | 1806.5 | 1730.8 |
| 15°    | 2620.7 | 2455.1 | 2346.4 | 2237.2 | 2122.8 | 2007.9 | 1897.5 | 1787.1 | 1665.4 | 1543.6 | 1457.7 |
| 17.5°  | 2568.3 | 2351.5 | 2199.6 | 2047.1 | 1896.4 | 1745.6 | 1617.6 | 1489.6 | 1356.4 | 1223.3 | 1136.2 |
| 20°    | 2513.1 | 2224.7 | 2021.0 | 1816.7 | 1623.3 | 1429.8 | 1284.7 | 1139.6 | 1020.7 | 901.8  | 835.2  |
| 22.5°  | 2463.1 | 2089.8 | 1834.4 | 1578.3 | 1349.6 | 1120.9 | 978.6  | 835.8  | 763.0  | 690.2  | 663.4  |
| 25°    | 2442.6 | 1972.0 | 1658.0 | 1343.9 | 1102.7 | 860.8  | 759.6  | 658.3  | 630.4  | 602.0  | 588.3  |
| 27.5°  | 2446.0 | 1866.8 | 1509.5 | 1151.6 | 934.2  | 716.9  | 647.5  | 578.1  | 561.0  | 543.4  | 534.8  |
| 30°    | 2459.1 | 1752.4 | 1369.5 | 986.6  | 807.4  | 628.1  | 583.2  | 537.7  | 519.5  | 501.3  | 490.5  |
| 32.5°  | 2473.9 | 1650.0 | 1261.4 | 872.2  | 726.0  | 579.2  | 542.2  | 504.7  | 487.0  | 469.4  | 458.6  |
| 35°    | 2448.3 | 1566.4 | 1187.4 | 808.5  | 673.7  | 538.2  | 507.0  | 475.1  | 455.7  | 436.4  | 426.2  |
| 37.5°  | 2405.0 | 1482.2 | 1130.0 | 777.2  | 639.5  | 501.3  | 478.5  | 455.2  | 435.3  | 414.8  | 405.1  |
| 40°    | 2365.8 | 1411.0 | 1087.3 | 763.0  | 620.7  | 477.9  | 458.6  | 439.2  | 418.8  | 397.7  | 386.3  |
| 42.5°  | 2333.9 | 1363.2 | 1045.2 | 727.1  | 603.7  | 479.6  | 452.3  | 424.5  | 404.5  | 384.6  | 372.1  |
| 45°    | 2310.0 | 1332.0 | 1012.2 | 692.4  | 587.7  | 483.1  | 448.3  | 413.6  | 393.7  | 373.2  | 358.5  |
| 47.5°  | 2307.7 | 1315.5 | 988.9  | 662.3  | 557.6  | 452.3  | 438.1  | 423.9  | 394.9  | 365.3  | 348.2  |
| 50°    | 2339.0 | 1288.7 | 961.6  | 633.8  | 528.6  | 423.3  | 442.7  | 461.4  | 411.9  | 361.9  | 340.2  |
| 52.5°  | 2404.5 | 1241.5 | 918.3  | 595.1  | 493.3  | 390.9  | 421.0  | 450.6  | 408.0  | 364.7  | 336.8  |
| 55°    | 2483.5 | 1172.1 | 852.9  | 533.1  | 446.6  | 359.6  | 386.3  | 412.5  | 385.8  | 358.5  | 324.9  |
| 57.5°  | 2533.0 | 1084.5 | 770.4  | 456.3  | 394.3  | 332.3  | 347.6  | 362.4  | 351.6  | 340.8  | 306.7  |
| 60°    | 2503.5 | 967.8  | 677.6  | 386.9  | 348.2  | 309.5  | 306.7  | 303.3  | 319.2  | 335.1  | 295.9  |
| 62.5°  | 2358.9 | 847.2  | 595.7  | 344.2  | 315.2  | 285.6  | 279.4  | 272.5  | 298.7  | 324.3  | 282.8  |
| 65°    | 2114.9 | 763.0  | 543.9  | 324.9  | 292.4  | 260.0  | 253.2  | 246.4  | 254.3  | 262.3  | 242.9  |
| 67.5°  | 1804.8 | 711.2  | 514.3  | 317.5  | 278.2  | 238.4  | 230.4  | 222.5  | 220.8  | 219.1  | 212.2  |
| 70°    | 1485.0 | 679.3  | 495.0  | 310.7  | 262.9  | 214.5  | 207.1  | 199.7  | 197.4  | 194.6  | 189.5  |
| 72.5°  | 1241.5 | 675.4  | 492.7  | 310.1  | 250.3  | 190.6  | 183.8  | 176.9  | 174.1  | 170.7  | 166.7  |
| 75°    | 1016.7 | 633.8  | 467.7  | 301.6  | 233.3  | 164.4  | 158.2  | 151.9  | 149.6  | 146.8  | 143.4  |
| 77.5°  | 754.5  | 524.6  | 393.2  | 261.7  | 199.7  | 137.7  | 131.4  | 124.6  | 124.0  | 122.9  | 120.1  |
| 80°    | 489.3  | 379.5  | 281.1  | 182.6  | 145.7  | 108.1  | 103.0  | 97.3   | 97.9   | 98.4   | 96.2   |
| 82.5°  | 272.0  | 221.3  | 171.8  | 122.3  | 99.6   | 76.8   | 74.5   | 71.7   | 73.4   | 74.5   | 71.7   |
| 85°    | 143.4  | 111.5  | 92.2   | 72.8   | 57.5   | 42.1   | 42.1   | 41.5   | 43.8   | 46.1   | 43.8   |
| 87.5°  | 62.0   | 39.3   | 33.6   | 27.3   | 15.4   | 2.8    | 3.4    | 3.4    | 4.6    | 5.7    | 5.1    |
| 90°    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 92.5°  | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 95°    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 97.5°  | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 100°   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 102.5° | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 105°   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 107.5° | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 110°   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |



REPORT NUMBER: P387063

CATALOG NUMBER: GWC-SA2D-740-U-SLL

**CANDELA DISTRIBUTION (continued):**

|        | 110° | 115° | 120° | 125° | 130° | 135° | 140° | 145° | 150° | 155° | 160° |
|--------|------|------|------|------|------|------|------|------|------|------|------|
| 112.5° | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 115°   | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 117.5° | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 120°   | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 122.5° | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 125°   | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 127.5° | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 130°   | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 132.5° | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 135°   | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 137.5° | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 140°   | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 142.5° | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 145°   | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 147.5° | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 150°   | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 152.5° | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 155°   | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 157.5° | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 160°   | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 162.5° | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 165°   | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 167.5° | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 170°   | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 172.5° | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 175°   | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 177.5° | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 180°   | 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):**

|        | 165°   | 170°   | 175°   | 180°   | 185°   | 190°   | 195°   | 200°   | 205°   | 210°   | 215°   |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°     | 4335.5 | 4335.5 | 4335.5 | 4335.5 | 4335.5 | 4335.5 | 4335.5 | 4335.5 | 4335.5 | 4335.5 | 4335.5 |
| 2.5°   | 3919.6 | 3878.1 | 3836.0 | 3789.9 | 3798.4 | 3763.2 | 3727.9 | 3705.7 | 3683.5 | 3676.7 | 3669.8 |
| 5°     | 3167.4 | 3120.2 | 3072.4 | 3029.8 | 3066.7 | 3041.7 | 3016.7 | 3013.3 | 3009.3 | 3009.3 | 3008.7 |
| 7.5°   | 2343.6 | 2292.9 | 2241.7 | 2206.5 | 2242.9 | 2238.3 | 2233.8 | 2258.2 | 2282.7 | 2302.6 | 2322.0 |
| 10°    | 1904.3 | 1842.9 | 1780.9 | 1728.5 | 1719.4 | 1693.3 | 1666.5 | 1672.2 | 1677.3 | 1698.9 | 1720.6 |
| 12.5°  | 1655.1 | 1581.7 | 1508.3 | 1446.9 | 1419.0 | 1375.8 | 1332.0 | 1304.6 | 1277.3 | 1280.2 | 1282.5 |
| 15°    | 1371.2 | 1300.1 | 1228.4 | 1175.5 | 1157.9 | 1124.3 | 1090.7 | 1056.6 | 1021.9 | 1007.6 | 992.9  |
| 17.5°  | 1048.6 | 991.7  | 934.2  | 899.0  | 899.0  | 889.3  | 879.6  | 862.6  | 844.9  | 830.7  | 815.9  |
| 20°    | 768.7  | 738.5  | 707.8  | 693.0  | 697.6  | 698.1  | 698.1  | 706.7  | 715.2  | 710.6  | 706.1  |
| 22.5°  | 636.1  | 625.3  | 614.5  | 608.2  | 610.5  | 611.1  | 611.6  | 619.6  | 627.0  | 632.7  | 637.8  |
| 25°    | 574.1  | 567.3  | 560.4  | 558.2  | 563.3  | 563.8  | 563.8  | 569.0  | 574.1  | 579.8  | 585.5  |
| 27.5°  | 525.7  | 522.9  | 520.0  | 516.1  | 521.2  | 521.2  | 520.6  | 526.3  | 531.4  | 536.5  | 541.1  |
| 30°    | 479.6  | 480.8  | 481.3  | 480.2  | 483.6  | 485.9  | 487.6  | 491.6  | 495.0  | 499.0  | 503.0  |
| 32.5°  | 447.2  | 445.5  | 443.8  | 442.7  | 450.1  | 454.0  | 458.0  | 462.0  | 465.4  | 467.1  | 468.8  |
| 35°    | 415.9  | 411.9  | 408.0  | 405.1  | 411.9  | 417.1  | 422.2  | 429.6  | 436.4  | 437.5  | 438.7  |
| 37.5°  | 394.9  | 389.7  | 384.6  | 381.2  | 384.1  | 386.3  | 388.6  | 396.6  | 404.5  | 409.1  | 413.1  |
| 40°    | 375.0  | 369.8  | 364.7  | 361.9  | 363.6  | 364.1  | 364.7  | 368.7  | 372.1  | 380.6  | 388.6  |
| 42.5°  | 359.0  | 352.8  | 346.5  | 343.1  | 344.2  | 345.4  | 345.9  | 345.4  | 344.8  | 352.8  | 360.7  |
| 45°    | 343.1  | 336.3  | 329.4  | 325.5  | 326.0  | 326.0  | 326.0  | 324.9  | 323.2  | 327.2  | 331.1  |
| 47.5°  | 330.6  | 322.6  | 314.6  | 310.7  | 309.5  | 308.4  | 307.2  | 306.7  | 305.5  | 308.4  | 310.7  |
| 50°    | 318.1  | 309.5  | 300.4  | 295.9  | 293.0  | 291.9  | 290.7  | 290.2  | 289.0  | 291.9  | 294.2  |
| 52.5°  | 308.4  | 298.1  | 287.9  | 280.5  | 277.7  | 275.9  | 274.2  | 274.8  | 274.8  | 275.9  | 276.5  |
| 55°    | 291.3  | 282.2  | 272.5  | 267.4  | 262.3  | 261.2  | 260.0  | 261.7  | 262.9  | 262.9  | 262.9  |
| 57.5°  | 272.5  | 264.0  | 254.9  | 251.5  | 246.9  | 246.9  | 246.4  | 248.6  | 250.3  | 251.5  | 252.6  |
| 60°    | 256.0  | 246.4  | 236.7  | 233.8  | 232.1  | 231.6  | 231.0  | 233.8  | 236.1  | 238.4  | 240.7  |
| 62.5°  | 240.7  | 230.4  | 220.2  | 216.8  | 216.2  | 216.8  | 216.8  | 219.6  | 221.9  | 224.2  | 226.4  |
| 65°    | 223.6  | 213.4  | 202.6  | 199.1  | 200.3  | 202.0  | 203.7  | 206.0  | 207.7  | 209.9  | 212.2  |
| 67.5°  | 204.8  | 196.3  | 187.2  | 183.8  | 184.3  | 186.6  | 188.9  | 190.6  | 191.7  | 194.0  | 196.3  |
| 70°    | 184.3  | 176.9  | 169.6  | 167.3  | 166.7  | 169.6  | 171.8  | 173.0  | 174.1  | 176.9  | 179.2  |
| 72.5°  | 162.2  | 155.9  | 149.6  | 147.9  | 148.5  | 150.2  | 151.9  | 153.6  | 154.8  | 157.6  | 159.9  |
| 75°    | 139.4  | 133.7  | 128.0  | 126.9  | 128.0  | 129.7  | 131.4  | 132.6  | 133.7  | 137.1  | 140.0  |
| 77.5°  | 117.2  | 110.9  | 104.1  | 103.6  | 105.3  | 107.0  | 108.1  | 109.8  | 111.5  | 116.1  | 120.6  |
| 80°    | 93.9   | 87.1   | 79.7   | 79.1   | 80.8   | 82.5   | 84.2   | 85.9   | 87.6   | 93.3   | 98.4   |
| 82.5°  | 68.8   | 60.9   | 52.9   | 51.8   | 57.5   | 59.2   | 60.9   | 63.7   | 66.0   | 71.1   | 76.2   |
| 85°    | 41.5   | 33.6   | 25.6   | 25.0   | 30.2   | 33.0   | 35.8   | 39.3   | 42.1   | 46.7   | 51.2   |
| 87.5°  | 4.6    | 2.3    | 0.0    | 0.0    | 0.6    | 2.8    | 5.1    | 8.0    | 10.8   | 15.4   | 19.3   |
| 90°    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 92.5°  | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 95°    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 97.5°  | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 100°   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 102.5° | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 105°   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 107.5° | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 110°   | 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: GWC-SA2D-740-U-SLL

**CANDELA DISTRIBUTION (continued):**

|        | 165° | 170° | 175° | 180° | 185° | 190° | 195° | 200° | 205° | 210° | 215° |
|--------|------|------|------|------|------|------|------|------|------|------|------|
| 112.5° | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 115°   | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 117.5° | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 120°   | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 122.5° | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 125°   | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 127.5° | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 130°   | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 132.5° | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 135°   | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 137.5° | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 140°   | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 142.5° | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 145°   | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 147.5° | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 150°   | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 152.5° | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 155°   | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 157.5° | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 160°   | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 162.5° | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 165°   | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 167.5° | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 170°   | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 172.5° | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 175°   | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 177.5° | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 180°   | 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: GWC-SA2D-740-U-SLL

**CANDELA DISTRIBUTION (continued):**

|        | 220°   | 225°   | 230°   | 235°   | 240°   | 245°   | 250°   | 255°   | 260°   | 265°   | 270°   |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°     | 4335.5 | 4335.5 | 4335.5 | 4335.5 | 4335.5 | 4335.5 | 4335.5 | 4335.5 | 4335.5 | 4335.5 | 4335.5 |
| 2.5°   | 3644.8 | 3619.2 | 3645.4 | 3671.0 | 3681.8 | 3692.6 | 3664.7 | 3636.3 | 3680.7 | 3724.5 | 3735.8 |
| 5°     | 2985.9 | 2962.6 | 2980.3 | 2997.3 | 2959.2 | 2921.1 | 2917.1 | 2912.6 | 2945.6 | 2978.6 | 2983.7 |
| 7.5°   | 2314.6 | 2307.2 | 2323.7 | 2340.2 | 2291.8 | 2242.9 | 2219.0 | 2195.1 | 2203.0 | 2211.0 | 2209.9 |
| 10°    | 1725.7 | 1730.2 | 1750.7 | 1770.6 | 1733.1 | 1695.5 | 1679.0 | 1662.5 | 1680.7 | 1698.4 | 1714.9 |
| 12.5°  | 1292.7 | 1302.4 | 1324.0 | 1345.0 | 1329.7 | 1313.7 | 1315.5 | 1317.2 | 1338.2 | 1358.7 | 1376.9 |
| 15°    | 1004.2 | 1015.6 | 1031.0 | 1045.8 | 1046.3 | 1046.3 | 1061.1 | 1075.4 | 1073.6 | 1071.9 | 1084.5 |
| 17.5°  | 831.3  | 846.1  | 847.8  | 849.5  | 850.0  | 850.6  | 849.5  | 848.3  | 839.8  | 831.3  | 840.9  |
| 20°    | 711.8  | 716.9  | 721.5  | 725.4  | 720.3  | 714.6  | 700.4  | 686.2  | 680.5  | 674.8  | 683.9  |
| 22.5°  | 647.5  | 656.6  | 652.0  | 646.9  | 636.7  | 625.9  | 615.1  | 603.7  | 603.1  | 602.0  | 607.1  |
| 25°    | 593.4  | 600.8  | 592.9  | 584.9  | 577.5  | 570.1  | 562.7  | 555.3  | 554.7  | 554.2  | 556.5  |
| 27.5°  | 548.5  | 555.3  | 547.9  | 540.5  | 534.3  | 528.0  | 522.3  | 516.6  | 515.5  | 514.3  | 514.9  |
| 30°    | 509.8  | 516.1  | 509.8  | 503.0  | 498.4  | 493.3  | 489.3  | 485.3  | 484.8  | 484.2  | 484.2  |
| 32.5°  | 475.1  | 481.3  | 476.8  | 472.2  | 468.3  | 464.3  | 461.4  | 458.6  | 455.7  | 452.9  | 446.6  |
| 35°    | 444.9  | 451.2  | 448.3  | 444.9  | 440.4  | 435.8  | 430.7  | 425.0  | 417.6  | 409.7  | 406.2  |
| 37.5°  | 419.3  | 425.6  | 422.7  | 419.9  | 413.6  | 407.4  | 398.3  | 388.6  | 386.3  | 383.5  | 382.9  |
| 40°    | 398.8  | 408.5  | 402.8  | 396.6  | 386.9  | 377.2  | 372.7  | 368.1  | 367.0  | 365.8  | 364.7  |
| 42.5°  | 376.1  | 390.9  | 380.6  | 370.4  | 361.3  | 352.2  | 351.1  | 349.9  | 349.3  | 348.8  | 348.8  |
| 45°    | 347.6  | 363.6  | 353.3  | 342.5  | 337.4  | 332.3  | 332.3  | 332.3  | 332.8  | 332.8  | 334.0  |
| 47.5°  | 320.9  | 330.6  | 325.5  | 320.3  | 317.5  | 314.6  | 315.2  | 315.8  | 317.5  | 318.6  | 321.5  |
| 50°    | 298.1  | 301.6  | 302.7  | 303.3  | 301.6  | 299.8  | 301.0  | 301.6  | 303.3  | 304.4  | 306.7  |
| 52.5°  | 281.6  | 286.8  | 286.8  | 286.2  | 286.2  | 286.2  | 287.3  | 288.5  | 290.2  | 291.9  | 294.2  |
| 55°    | 270.8  | 278.2  | 275.9  | 273.7  | 274.2  | 274.2  | 275.4  | 276.5  | 278.2  | 279.4  | 282.8  |
| 57.5°  | 260.6  | 268.6  | 266.3  | 264.0  | 264.0  | 264.0  | 264.6  | 265.1  | 266.8  | 268.0  | 270.3  |
| 60°    | 248.6  | 256.6  | 254.3  | 251.5  | 252.1  | 252.6  | 253.2  | 253.2  | 254.3  | 254.9  | 254.9  |
| 62.5°  | 234.4  | 242.4  | 240.1  | 237.3  | 239.0  | 240.1  | 240.1  | 240.1  | 241.2  | 241.8  | 240.1  |
| 65°    | 219.6  | 227.0  | 224.7  | 222.5  | 224.7  | 226.4  | 227.6  | 228.2  | 227.6  | 227.0  | 225.3  |
| 67.5°  | 203.7  | 211.1  | 208.8  | 206.0  | 208.8  | 211.1  | 213.4  | 215.1  | 213.4  | 211.7  | 209.4  |
| 70°    | 186.6  | 194.0  | 191.2  | 188.3  | 191.2  | 194.0  | 196.3  | 198.6  | 196.3  | 194.0  | 193.4  |
| 72.5°  | 168.4  | 176.9  | 173.5  | 170.1  | 173.5  | 176.9  | 178.1  | 179.2  | 177.5  | 175.8  | 174.7  |
| 75°    | 148.5  | 157.0  | 154.2  | 150.8  | 153.6  | 156.5  | 157.0  | 157.6  | 157.6  | 157.0  | 153.6  |
| 77.5°  | 127.4  | 134.3  | 132.6  | 130.9  | 132.6  | 134.3  | 134.3  | 134.3  | 134.8  | 134.8  | 130.3  |
| 80°    | 102.4  | 106.4  | 107.0  | 107.5  | 108.1  | 108.7  | 108.1  | 107.5  | 106.4  | 105.3  | 102.4  |
| 82.5°  | 76.2   | 76.2   | 80.8   | 84.8   | 84.8   | 84.2   | 83.6   | 82.5   | 80.2   | 77.4   | 71.1   |
| 85°    | 48.4   | 45.5   | 52.9   | 59.7   | 59.7   | 59.2   | 58.0   | 56.3   | 51.8   | 46.7   | 41.5   |
| 87.5°  | 16.5   | 13.7   | 21.1   | 28.4   | 29.0   | 29.0   | 27.9   | 26.7   | 22.2   | 17.1   | 13.1   |
| 90°    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 92.5°  | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 95°    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 97.5°  | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 100°   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 102.5° | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 105°   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 107.5° | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 110°   | 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: GWC-SA2D-740-U-SLL

**CANDELA DISTRIBUTION (continued):**

|        | 220° | 225° | 230° | 235° | 240° | 245° | 250° | 255° | 260° | 265° | 270° |
|--------|------|------|------|------|------|------|------|------|------|------|------|
| 112.5° | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 115°   | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 117.5° | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 120°   | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 122.5° | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 125°   | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 127.5° | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 130°   | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 132.5° | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 135°   | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 137.5° | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 140°   | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 142.5° | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 145°   | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 147.5° | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 150°   | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 152.5° | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 155°   | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 157.5° | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 160°   | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 162.5° | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 165°   | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 167.5° | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 170°   | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 172.5° | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 175°   | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 177.5° | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 180°   | 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: GWC-SA2D-740-U-SLL

**CANDELA DISTRIBUTION (continued):**

|        | 275°   | 280°   | 285°   | 290°   | 295°   | 300°   | 305°   | 310°   | 315°   | 320°   | 325°   |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°     | 4335.5 | 4335.5 | 4335.5 | 4335.5 | 4335.5 | 4335.5 | 4335.5 | 4335.5 | 4335.5 | 4335.5 | 4335.5 |
| 2.5°   | 3752.9 | 3760.3 | 3767.1 | 3822.9 | 3878.1 | 3943.0 | 4007.8 | 4057.3 | 4106.2 | 4156.9 | 4207.5 |
| 5°     | 3001.3 | 3010.4 | 3019.5 | 3087.2 | 3154.4 | 3244.8 | 3335.3 | 3413.2 | 3491.2 | 3582.8 | 3674.4 |
| 7.5°   | 2224.7 | 2244.6 | 2263.9 | 2336.2 | 2407.9 | 2505.2 | 2601.9 | 2703.7 | 2805.0 | 2924.5 | 3044.0 |
| 10°    | 1747.3 | 1784.9 | 1821.8 | 1895.8 | 1969.8 | 2065.9 | 2161.5 | 2267.9 | 2374.3 | 2492.1 | 2609.3 |
| 12.5°  | 1414.5 | 1464.5 | 1514.0 | 1602.8 | 1691.5 | 1806.5 | 1920.8 | 2039.2 | 2157.0 | 2260.5 | 2364.1 |
| 15°    | 1117.5 | 1172.1 | 1226.1 | 1320.0 | 1413.9 | 1540.2 | 1665.9 | 1795.1 | 1923.7 | 2047.7 | 2171.8 |
| 17.5°  | 871.7  | 916.6  | 961.0  | 1040.6 | 1119.7 | 1242.1 | 1364.4 | 1499.8 | 1635.2 | 1786.6 | 1937.3 |
| 20°    | 703.2  | 722.0  | 740.8  | 798.3  | 855.2  | 954.7  | 1053.7 | 1192.0 | 1330.2 | 1511.2 | 1692.1 |
| 22.5°  | 616.2  | 625.9  | 635.0  | 662.8  | 690.2  | 754.5  | 818.2  | 940.5  | 1062.3 | 1259.7 | 1456.6 |
| 25°    | 563.8  | 571.2  | 578.6  | 596.8  | 615.1  | 645.8  | 676.5  | 762.4  | 848.3  | 1042.4 | 1235.8 |
| 27.5°  | 516.6  | 528.0  | 538.8  | 547.3  | 555.3  | 576.4  | 596.8  | 653.2  | 709.5  | 890.4  | 1070.8 |
| 30°    | 482.5  | 486.5  | 490.5  | 503.5  | 516.1  | 537.7  | 559.3  | 598.6  | 637.8  | 790.9  | 943.3  |
| 32.5°  | 442.7  | 448.3  | 454.0  | 467.7  | 481.3  | 501.3  | 521.2  | 553.0  | 584.3  | 715.2  | 845.5  |
| 35°    | 406.8  | 412.5  | 418.2  | 431.8  | 444.9  | 466.6  | 487.6  | 514.3  | 540.5  | 654.3  | 768.1  |
| 37.5°  | 384.6  | 390.3  | 396.0  | 408.0  | 419.3  | 441.0  | 462.0  | 483.1  | 503.5  | 608.8  | 714.1  |
| 40°    | 365.8  | 371.5  | 377.2  | 388.6  | 399.4  | 420.5  | 441.0  | 458.6  | 476.2  | 574.7  | 673.1  |
| 42.5°  | 349.3  | 355.6  | 361.9  | 373.2  | 384.1  | 402.8  | 421.6  | 444.9  | 467.7  | 545.1  | 621.9  |
| 45°    | 335.7  | 342.0  | 347.6  | 360.2  | 372.7  | 390.9  | 409.1  | 441.5  | 474.0  | 529.7  | 585.5  |
| 47.5°  | 323.2  | 330.0  | 336.3  | 349.9  | 363.6  | 386.3  | 408.5  | 435.8  | 462.6  | 517.8  | 573.0  |
| 50°    | 311.2  | 319.2  | 327.2  | 343.7  | 359.6  | 397.7  | 435.3  | 439.2  | 442.7  | 508.1  | 573.0  |
| 52.5°  | 299.8  | 308.9  | 318.1  | 338.5  | 358.5  | 402.8  | 447.2  | 433.0  | 418.2  | 489.9  | 561.6  |
| 55°    | 288.5  | 296.4  | 303.8  | 328.9  | 353.9  | 386.3  | 418.8  | 400.0  | 380.6  | 455.7  | 530.8  |
| 57.5°  | 273.1  | 281.6  | 289.6  | 316.3  | 343.1  | 365.8  | 388.0  | 371.0  | 353.3  | 417.1  | 480.2  |
| 60°    | 257.2  | 266.8  | 276.5  | 310.7  | 344.2  | 340.2  | 335.7  | 332.3  | 328.3  | 373.8  | 419.3  |
| 62.5°  | 242.9  | 253.2  | 263.4  | 307.8  | 352.2  | 324.9  | 297.6  | 300.4  | 302.7  | 336.3  | 369.8  |
| 65°    | 228.7  | 239.0  | 248.6  | 270.8  | 293.0  | 282.2  | 271.4  | 275.9  | 279.9  | 312.9  | 345.9  |
| 67.5°  | 212.8  | 221.9  | 230.4  | 237.8  | 245.2  | 246.4  | 247.5  | 252.1  | 256.6  | 295.9  | 334.6  |
| 70°    | 195.2  | 202.6  | 209.9  | 215.1  | 219.6  | 221.9  | 223.6  | 229.3  | 235.0  | 277.7  | 320.3  |
| 72.5°  | 175.2  | 181.5  | 187.2  | 191.7  | 196.3  | 198.0  | 199.1  | 204.8  | 210.5  | 256.0  | 301.6  |
| 75°    | 153.6  | 158.7  | 163.3  | 167.3  | 171.3  | 173.5  | 175.8  | 179.8  | 183.8  | 233.3  | 282.2  |
| 77.5°  | 129.7  | 134.8  | 139.4  | 142.8  | 145.7  | 147.9  | 149.6  | 154.8  | 159.9  | 201.4  | 242.4  |
| 80°    | 101.3  | 107.5  | 113.2  | 116.1  | 118.3  | 118.9  | 118.9  | 123.5  | 128.0  | 157.6  | 186.6  |
| 82.5°  | 71.7   | 78.5   | 84.8   | 87.1   | 89.3   | 89.3   | 89.3   | 94.4   | 99.6   | 119.5  | 138.8  |
| 85°    | 42.1   | 49.5   | 56.3   | 58.6   | 60.9   | 62.0   | 62.6   | 64.9   | 66.6   | 80.8   | 94.4   |
| 87.5°  | 13.1   | 19.3   | 25.0   | 26.2   | 27.3   | 29.6   | 31.9   | 32.4   | 32.4   | 42.1   | 51.8   |
| 90°    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 92.5°  | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 95°    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 97.5°  | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 100°   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 102.5° | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 105°   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 107.5° | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 110°   | 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: GWC-SA2D-740-U-SLL

**CANDELA DISTRIBUTION (continued):**

|        | 275° | 280° | 285° | 290° | 295° | 300° | 305° | 310° | 315° | 320° | 325° |
|--------|------|------|------|------|------|------|------|------|------|------|------|
| 112.5° | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 115°   | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 117.5° | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 120°   | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 122.5° | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 125°   | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 127.5° | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 130°   | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 132.5° | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 135°   | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 137.5° | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 140°   | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 142.5° | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 145°   | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 147.5° | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 150°   | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 152.5° | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 155°   | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 157.5° | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 160°   | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 162.5° | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 165°   | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 167.5° | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 170°   | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 172.5° | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 175°   | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 177.5° | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 180°   | 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):**

|        | 330°   | 335°   | 340°   | 345°   | 350°   | 355°   | 360°    |
|--------|--------|--------|--------|--------|--------|--------|---------|
| 0°     | 4335.5 | 4335.5 | 4335.5 | 4335.5 | 4335.5 | 4335.5 | 4335.5  |
| 2.5°   | 4265.6 | 4323.6 | 4391.3 | 4458.4 | 4515.9 | 4573.4 | 4621.2  |
| 5°     | 3791.0 | 3907.7 | 4050.5 | 4192.7 | 4319.6 | 4446.5 | 4593.9  |
| 7.5°   | 3194.8 | 3345.5 | 3530.5 | 3715.4 | 3894.6 | 4073.2 | 4299.7  |
| 10°    | 2762.9 | 2916.0 | 3111.7 | 3306.8 | 3508.3 | 3709.1 | 3965.1  |
| 12.5°  | 2488.7 | 2612.7 | 2802.2 | 2991.6 | 3228.3 | 3464.4 | 3710.8  |
| 15°    | 2307.7 | 2443.2 | 2627.5 | 2811.8 | 3070.7 | 3329.6 | 3613.0  |
| 17.5°  | 2114.9 | 2291.8 | 2527.9 | 2764.0 | 3070.7 | 3376.8 | 3710.8  |
| 20°    | 1912.9 | 2133.1 | 2439.2 | 2745.3 | 3158.3 | 3570.8 | 3997.0  |
| 22.5°  | 1711.5 | 1966.4 | 2358.9 | 2751.0 | 3290.9 | 3830.3 | 4405.5  |
| 25°    | 1530.0 | 1824.1 | 2310.0 | 2795.3 | 3483.8 | 4171.7 | 4885.2  |
| 27.5°  | 1392.3 | 1713.2 | 2290.1 | 2866.5 | 3728.5 | 4590.4 | 5406.9  |
| 30°    | 1269.9 | 1596.5 | 2266.2 | 2935.9 | 3964.0 | 4991.6 | 5814.9  |
| 32.5°  | 1164.1 | 1482.7 | 2220.1 | 2956.9 | 4128.4 | 5299.9 | 6160.2  |
| 35°    | 1081.0 | 1394.0 | 2142.7 | 2891.5 | 4231.4 | 5571.3 | 6519.8  |
| 37.5°  | 1009.4 | 1304.6 | 2054.5 | 2804.4 | 4323.0 | 5841.6 | 6924.3  |
| 40°    | 941.1  | 1209.1 | 1978.9 | 2748.1 | 4449.3 | 6150.6 | 7351.6  |
| 42.5°  | 876.2  | 1130.5 | 1918.0 | 2705.4 | 4566.5 | 6427.1 | 7725.5  |
| 45°    | 827.8  | 1070.2 | 1863.9 | 2657.1 | 4642.2 | 6627.3 | 8007.1  |
| 47.5°  | 804.0  | 1034.4 | 1834.9 | 2634.9 | 4717.9 | 6800.3 | 8240.9  |
| 50°    | 800.5  | 1028.1 | 1867.9 | 2707.7 | 4881.8 | 7055.2 | 8508.4  |
| 52.5°  | 800.0  | 1038.4 | 1962.9 | 2887.5 | 5186.1 | 7484.2 | 8798.0  |
| 55°    | 788.0  | 1044.6 | 2076.2 | 3107.1 | 5594.7 | 8081.6 | 9318.6  |
| 57.5°  | 751.6  | 1023.0 | 2192.8 | 3362.0 | 6026.5 | 8690.4 | 9905.2  |
| 60°    | 695.3  | 970.7  | 2289.0 | 3606.7 | 6316.7 | 9026.1 | 10131.1 |
| 62.5°  | 624.7  | 879.1  | 2320.8 | 3762.0 | 6308.7 | 8855.4 | 9903.5  |
| 65°    | 564.4  | 782.9  | 2216.1 | 3648.8 | 5989.5 | 8329.7 | 9453.4  |
| 67.5°  | 510.9  | 686.7  | 1954.4 | 3221.5 | 5415.4 | 7608.8 | 8881.0  |
| 70°    | 472.2  | 623.6  | 1617.0 | 2610.4 | 4696.8 | 6782.7 | 8218.2  |
| 72.5°  | 447.8  | 593.4  | 1318.3 | 2042.6 | 3811.5 | 5579.9 | 7029.6  |
| 75°    | 414.2  | 546.2  | 1034.4 | 1522.0 | 2917.1 | 4312.2 | 5309.6  |
| 77.5°  | 351.6  | 460.3  | 779.5  | 1098.7 | 2140.5 | 3181.7 | 3692.6  |
| 80°    | 271.4  | 355.6  | 536.0  | 716.3  | 1473.1 | 2229.8 | 2517.7  |
| 82.5°  | 193.4  | 248.1  | 324.9  | 401.7  | 978.6  | 1555.0 | 1578.9  |
| 85°    | 119.5  | 144.5  | 186.1  | 227.6  | 647.5  | 1067.4 | 889.3   |
| 87.5°  | 64.3   | 76.8   | 98.4   | 119.5  | 207.1  | 294.7  | 169.6   |
| 90°    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0     |
| 92.5°  | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0     |
| 95°    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0     |
| 97.5°  | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0     |
| 100°   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0     |
| 102.5° | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0     |
| 105°   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0     |
| 107.5° | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0     |
| 110°   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0     |



REPORT NUMBER: P387063

CATALOG NUMBER: GWC-SA2D-740-U-SLL

**CANDELA DISTRIBUTION (continued):**

|        | 330° | 335° | 340° | 345° | 350° | 355° | 360° |
|--------|------|------|------|------|------|------|------|
| 112.5° | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 115°   | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 117.5° | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 120°   | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 122.5° | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 125°   | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 127.5° | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 130°   | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 132.5° | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 135°   | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 137.5° | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 140°   | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 142.5° | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 145°   | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 147.5° | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 150°   | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 152.5° | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 155°   | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 157.5° | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 160°   | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 162.5° | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 165°   | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 167.5° | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 170°   | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 172.5° | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 175°   | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 177.5° | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 180°   | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |

Report Prepared for

Cooper Lighting Solutions

(formerly Eaton)

INVUE

Report Number: SP1-2104-224-3

Luminaire Tested: CCW-SA-2A-740-U-SL4

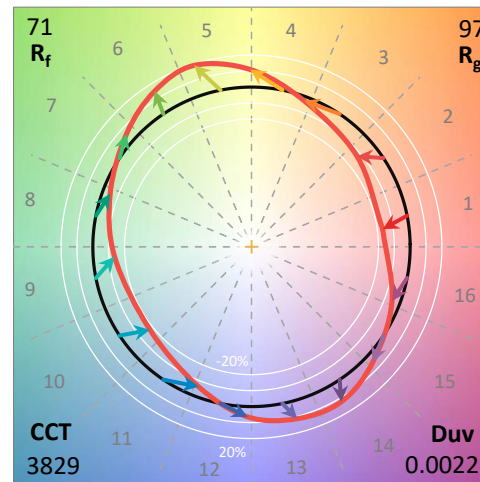
Test Date: 04/26/2021

### Test Information

Test Method: LM-79-08  
 Report Number: SP1-2104-224-3  
 Test Lab: COOPER LIGHTING SOLUTIONS  
 Photometer: SP1  
 Measurement Geometry:  $4\pi$   
 Issue Date: 04/26/2021  
 Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
 Product Line: INVUE  
 Catalog Number: **CCW-SA-2A-740-U-SL4**  
 Description: INVUE WALL PACK ClearCurve Light Square

### Spectral Parameters

|                           |        |           |      |      |       |
|---------------------------|--------|-----------|------|------|-------|
| CCT (K):                  | 3829   | CRI (Ra): | 69.8 |      |       |
| CIE u':                   | 0.2271 | R1:       | 67.2 | R9:  | -35.1 |
| CIE v':                   | 0.5076 | R2:       | 75.2 | R10: | 43.1  |
| Duv:                      | 0.0022 | R3:       | 83.2 | R11: | 69.0  |
| CIE x:                    | 0.3900 | R4:       | 71.0 | R12: | 44.3  |
| CIE y:                    | 0.3873 | R5:       | 67.4 | R13: | 67.6  |
| CIE z:                    | 0.2227 | R6:       | 66.8 | R14: | 90.3  |
| Peak Wavelength (nm):     | 440    | R7:       | 77.6 |      |       |
| Dominant Wavelength (nm): | 578    | R8:       | 50.3 |      |       |
| Purity:                   | 33.4   |           |      |      |       |
| Rf:                       | 70.6   |           |      |      |       |
| Rg:                       | 96.7   |           |      |      |       |



### Test Conditions

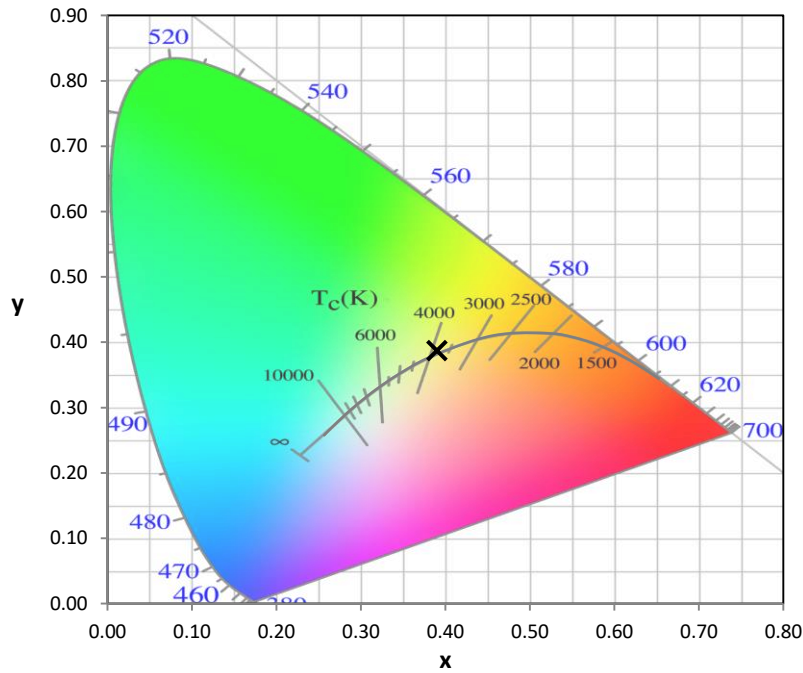
Stabilization Time: 62M  
 Operation Time: 12H  
 Room Temperature (°C) / RH%: 24.8/39%  
 Sphere Temperature (°C): 24.2

REPORT NUMBER: SP1-2104-224-3

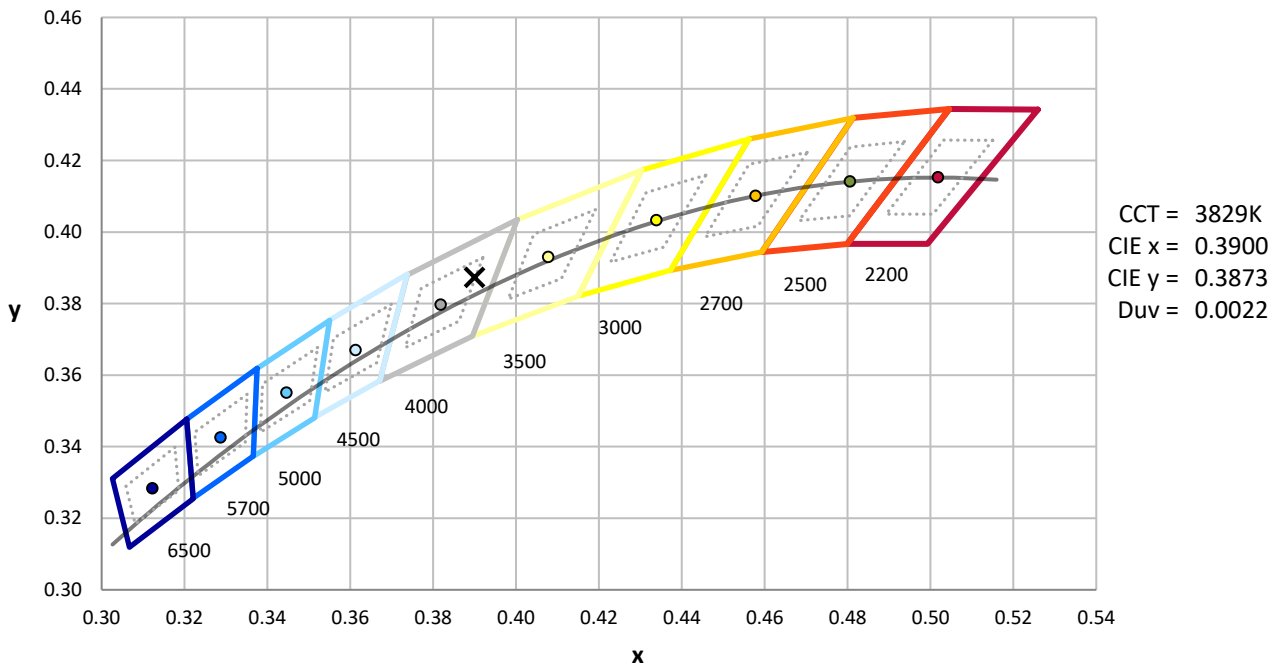
| Measurement and Test Equipment |                       |                  |                      |
|--------------------------------|-----------------------|------------------|----------------------|
| Instrument                     | Identification Number | Calibration Date | Calibration Due Date |
| Photometer                     | IN0058                | 1/31/2021        | 7/31/2021            |
| Power Meter                    | IN0071                | 12/1/2020        | 12/1/2021            |
| AC Power Source                | IN0063                | 12/1/2020        | 12/1/2021            |
| DC Power Source                | IN0208                | 12/1/2020        | 12/1/2021            |
| Sphere Thermometer             | IN0085                | 12/1/2020        | 12/1/2021            |
| Room Thermometer               | IN0046                | 12/1/2020        | 12/1/2021            |

REPORT NUMBER: SP1-2104-224-3

**CIE 1931 Chromaticity Diagram**



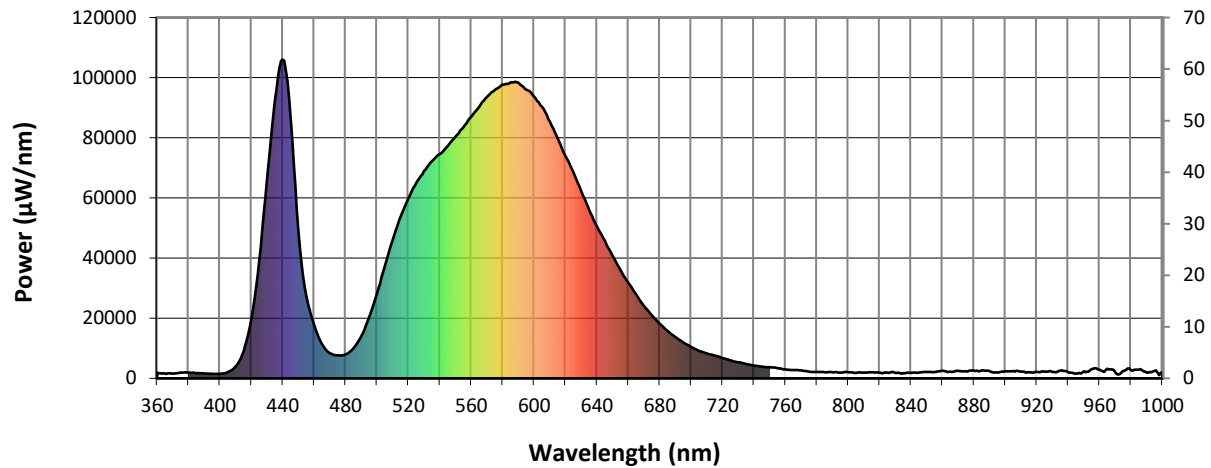
**CIE 1931 Chromaticity Diagram with 2017 ANSI 7-Step and 4-Step Quadrangles**



Point lies inside the ANSI 4000K 7-step quadrangle

REPORT NUMBER: SP1-2104-224-3

### Photopic Flux vs. Wavelength

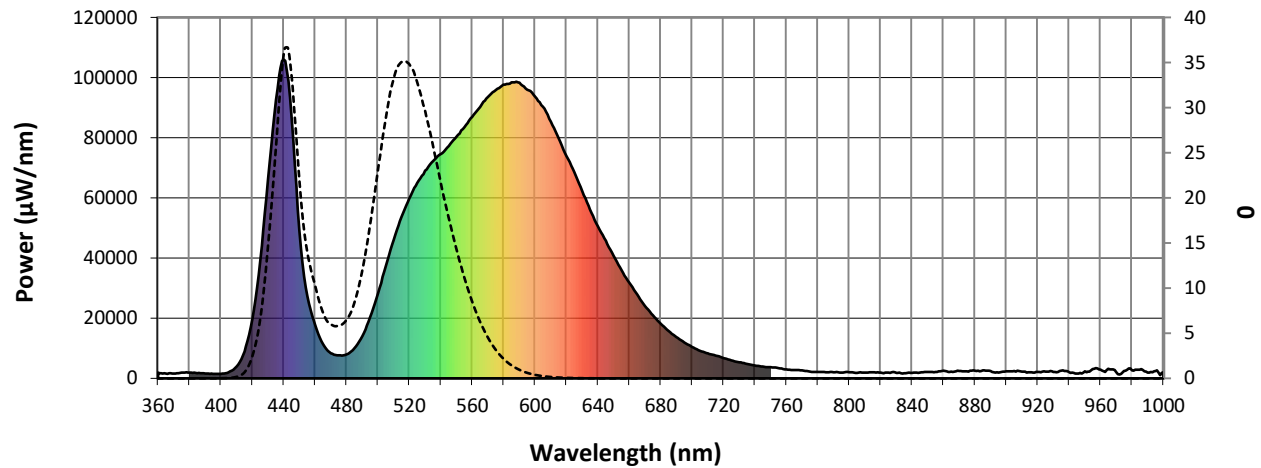


#####

| λ<br>(nm) | Power<br>(μW/nm) | Lumens<br>(Φ/nm) | λ<br>(nm) | Power<br>(μW/nm) | Lumens<br>(Φ/nm) | λ<br>(nm) | Power<br>(μW/nm) | Lumens<br>(Φ/nm) | λ<br>(nm) | Power<br>(μW/nm) | Lumens<br>(Φ/nm) | λ<br>(nm) | Power<br>(μW/nm) | Lumens<br>(Φ/nm) |
|-----------|------------------|------------------|-----------|------------------|------------------|-----------|------------------|------------------|-----------|------------------|------------------|-----------|------------------|------------------|
| 360       | 1901             | 0.0              | 490       | 14057            | 2.0              | 620       | 73853            | 19.2             | 750       | 3678             | 0.0              | 880       | 2528             | 0.0              |
| 365       | 1585             | 0.0              | 495       | 20304            | 3.7              | 625       | 68653            | 15.1             | 755       | 3385             | 0.0              | 885       | 2638             | 0.0              |
| 370       | 1604             | 0.0              | 500       | 28346            | 6.3              | 630       | 62254            | 11.3             | 760       | 2963             | 0.0              | 890       | 2417             | 0.0              |
| 375       | 1905             | 0.0              | 505       | 37228            | 10.4             | 635       | 56177            | 8.4              | 765       | 2782             | 0.0              | 895       | 1902             | 0.0              |
| 380       | 1882             | 0.0              | 510       | 46037            | 15.8             | 640       | 50521            | 6.0              | 770       | 2657             | 0.0              | 900       | 2330             | 0.0              |
| 385       | 1693             | 0.0              | 515       | 53619            | 22.2             | 645       | 45727            | 4.4              | 775       | 2259             | 0.0              | 905       | 2456             | 0.0              |
| 390       | 1640             | 0.0              | 520       | 59890            | 29.0             | 650       | 40814            | 3.0              | 780       | 2169             | 0.0              | 910       | 2205             | 0.0              |
| 395       | 1513             | 0.0              | 525       | 64946            | 34.9             | 655       | 35925            | 2.1              | 785       | 2065             | 0.0              | 915       | 2002             | 0.0              |
| 400       | 1481             | 0.0              | 530       | 69048            | 40.7             | 660       | 31824            | 1.3              | 790       | 2054             | 0.0              | 920       | 2125             | 0.0              |
| 405       | 2044             | 0.0              | 535       | 72246            | 44.8             | 665       | 27860            | 0.9              | 795       | 1908             | 0.0              | 925       | 2266             | 0.0              |
| 410       | 3966             | 0.0              | 540       | 74621            | 48.6             | 670       | 24069            | 0.5              | 800       | 2026             | 0.0              | 930       | 2159             | 0.0              |
| 415       | 8943             | 0.0              | 545       | 77288            | 51.4             | 675       | 20926            | 0.4              | 805       | 1766             | 0.0              | 935       | 2581             | 0.0              |
| 420       | 19566            | 0.1              | 550       | 80334            | 54.6             | 680       | 18170            | 0.2              | 810       | 1913             | 0.0              | 940       | 2052             | 0.0              |
| 425       | 39243            | 0.2              | 555       | 83561            | 57.1             | 685       | 15785            | 0.1              | 815       | 2019             | 0.0              | 945       | 1631             | 0.0              |
| 430       | 66113            | 0.5              | 560       | 86964            | 59.1             | 690       | 13770            | 0.1              | 820       | 1876             | 0.0              | 950       | 2301             | 0.0              |
| 435       | 92550            | 1.1              | 565       | 90264            | 60.0             | 695       | 11953            | 0.1              | 825       | 1869             | 0.0              | 955       | 3077             | 0.0              |
| 440       | 106034           | 1.7              | 570       | 93519            | 60.8             | 700       | 10452            | 0.0              | 830       | 1862             | 0.0              | 960       | 2911             | 0.0              |
| 445       | 86383            | 1.8              | 575       | 95920            | 59.7             | 705       | 9162             | 0.0              | 835       | 1663             | 0.0              | 965       | 3163             | 0.0              |
| 450       | 49216            | 1.3              | 580       | 97650            | 58.0             | 710       | 8266             | 0.0              | 840       | 1843             | 0.0              | 970       | 1995             | 0.0              |
| 455       | 27376            | 0.9              | 585       | 98486            | 54.7             | 715       | 7583             | 0.0              | 845       | 1921             | 0.0              | 975       | 2418             | 0.0              |
| 460       | 17830            | 0.7              | 590       | 98332            | 50.8             | 720       | 6750             | 0.0              | 850       | 2105             | 0.0              | 980       | 2674             | 0.0              |
| 465       | 11374            | 0.6              | 595       | 96023            | 45.5             | 725       | 5965             | 0.0              | 855       | 2096             | 0.0              | 985       | 2850             | 0.0              |
| 470       | 8344             | 0.5              | 600       | 93650            | 40.4             | 730       | 5310             | 0.0              | 860       | 2601             | 0.0              | 990       | 1972             | 0.0              |
| 475       | 7639             | 0.6              | 605       | 90313            | 35.0             | 735       | 4838             | 0.0              | 865       | 2199             | 0.0              | 995       | 2443             | 0.0              |
| 480       | 7991             | 0.8              | 610       | 85305            | 29.3             | 740       | 4280             | 0.0              | 870       | 2491             | 0.0              | 1000      | 1979             | 0.0              |
| 485       | 9994             | 1.2              | 615       | 79870            | 24.1             | 745       | 3928             | 0.0              | 875       | 2370             | 0.0              |           |                  |                  |

REPORT NUMBER: SP1-2104-224-3

### Scotopic Flux vs. Wavelength

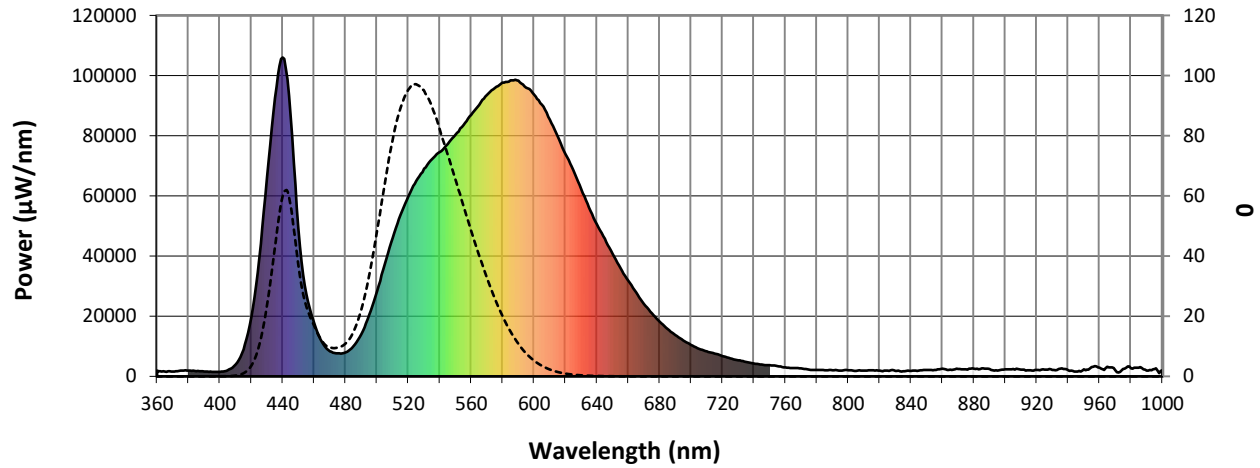


Scotopic Lumens: 7682.8

S/P: 1.42

| λ<br>(nm) | Power<br>(μW/nm) | Lumens<br>(Φ/nm) | λ<br>(nm) | Power<br>(μW/nm) | Lumens<br>(Φ/nm) | λ<br>(nm) | Power<br>(μW/nm) | Lumens<br>(Φ/nm) | λ<br>(nm) | Power<br>(μW/nm) | Lumens<br>(Φ/nm) | λ<br>(nm) | Power<br>(μW/nm) | Lumens<br>(Φ/nm) |
|-----------|------------------|------------------|-----------|------------------|------------------|-----------|------------------|------------------|-----------|------------------|------------------|-----------|------------------|------------------|
| 360       | 1901             | 0.0              | 490       | 14057            | 21.6             | 620       | 73853            | 0.9              | 750       | 3678             | 0.0              | 880       | 2528             | 0.0              |
| 365       | 1585             | 0.0              | 495       | 20304            | 32.8             | 625       | 68653            | 0.6              | 755       | 3385             | 0.0              | 885       | 2638             | 0.0              |
| 370       | 1604             | 0.0              | 500       | 28346            | 47.4             | 630       | 62254            | 0.4              | 760       | 2963             | 0.0              | 890       | 2417             | 0.0              |
| 375       | 1905             | 0.0              | 505       | 37228            | 63.3             | 635       | 56177            | 0.2              | 765       | 2782             | 0.0              | 895       | 1902             | 0.0              |
| 380       | 1882             | 0.0              | 510       | 46037            | 78.0             | 640       | 50521            | 0.1              | 770       | 2657             | 0.0              | 900       | 2330             | 0.0              |
| 385       | 1693             | 0.0              | 515       | 53619            | 88.9             | 645       | 45727            | 0.1              | 775       | 2259             | 0.0              | 905       | 2456             | 0.0              |
| 390       | 1640             | 0.0              | 520       | 59890            | 95.2             | 650       | 40814            | 0.0              | 780       | 2169             | 0.0              | 910       | 2205             | 0.0              |
| 395       | 1513             | 0.0              | 525       | 64946            | 97.2             | 655       | 35925            | 0.0              | 785       | 2065             | 0.0              | 915       | 2002             | 0.0              |
| 400       | 1481             | 0.0              | 530       | 69048            | 95.2             | 660       | 31824            | 0.0              | 790       | 2054             | 0.0              | 920       | 2125             | 0.0              |
| 405       | 2044             | 0.1              | 535       | 72246            | 90.0             | 665       | 27860            | 0.0              | 795       | 1908             | 0.0              | 925       | 2266             | 0.0              |
| 410       | 3966             | 0.2              | 540       | 74621            | 82.5             | 670       | 24069            | 0.0              | 800       | 2026             | 0.0              | 930       | 2159             | 0.0              |
| 415       | 8943             | 0.9              | 545       | 77288            | 74.1             | 675       | 20926            | 0.0              | 805       | 1766             | 0.0              | 935       | 2581             | 0.0              |
| 420       | 19566            | 3.2              | 550       | 80334            | 65.7             | 680       | 18170            | 0.0              | 810       | 1913             | 0.0              | 940       | 2052             | 0.0              |
| 425       | 39243            | 9.6              | 555       | 83561            | 57.1             | 685       | 15785            | 0.0              | 815       | 2019             | 0.0              | 945       | 1631             | 0.0              |
| 430       | 66113            | 22.5             | 560       | 86964            | 48.6             | 690       | 13770            | 0.0              | 820       | 1876             | 0.0              | 950       | 2301             | 0.0              |
| 435       | 92550            | 41.4             | 565       | 90264            | 40.5             | 695       | 11953            | 0.0              | 825       | 1869             | 0.0              | 955       | 3077             | 0.0              |
| 440       | 106034           | 59.3             | 570       | 93519            | 33.0             | 700       | 10452            | 0.0              | 830       | 1862             | 0.0              | 960       | 2911             | 0.0              |
| 445       | 86383            | 57.8             | 575       | 95920            | 26.1             | 705       | 9162             | 0.0              | 835       | 1663             | 0.0              | 965       | 3163             | 0.0              |
| 450       | 49216            | 38.1             | 580       | 97650            | 20.1             | 710       | 8266             | 0.0              | 840       | 1843             | 0.0              | 970       | 1995             | 0.0              |
| 455       | 27376            | 23.9             | 585       | 98486            | 15.1             | 715       | 7583             | 0.0              | 845       | 1921             | 0.0              | 975       | 2418             | 0.0              |
| 460       | 17830            | 17.2             | 590       | 98332            | 10.9             | 720       | 6750             | 0.0              | 850       | 2105             | 0.0              | 980       | 2674             | 0.0              |
| 465       | 11374            | 12.0             | 595       | 96023            | 7.7              | 725       | 5965             | 0.0              | 855       | 2096             | 0.0              | 985       | 2850             | 0.0              |
| 470       | 8344             | 9.6              | 600       | 93650            | 5.3              | 730       | 5310             | 0.0              | 860       | 2601             | 0.0              | 990       | 1972             | 0.0              |
| 475       | 7639             | 9.6              | 605       | 90313            | 3.5              | 735       | 4838             | 0.0              | 865       | 2199             | 0.0              | 995       | 2443             | 0.0              |
| 480       | 7991             | 10.8             | 610       | 85305            | 2.3              | 740       | 4280             | 0.0              | 870       | 2491             | 0.0              | 1000      | 1979             | 0.0              |
| 485       | 9994             | 14.5             | 615       | 79870            | 1.5              | 745       | 3928             | 0.0              | 875       | 2370             | 0.0              |           |                  |                  |

REPORT NUMBER: SP1-2104-224-3

**Melanopic Flux vs. Wavelength**

**Melanopic Lumens: 2823**
**M/P: 0.52**

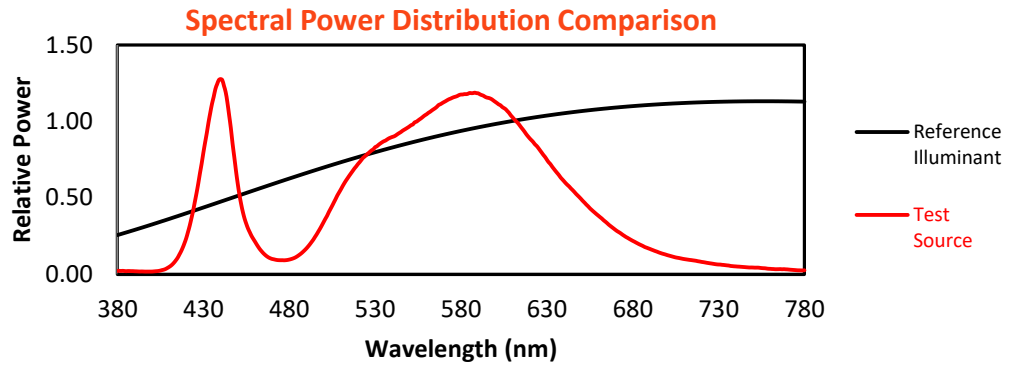
| λ<br>(nm) | Power<br>(μW/nm) | Lumens<br>(Φ/nm) | λ<br>(nm) | Power<br>(μW/nm) | Lumens<br>(Φ/nm) | λ<br>(nm) | Power<br>(μW/nm) | Lumens<br>(Φ/nm) | λ<br>(nm) | Power<br>(μW/nm) | Lumens<br>(Φ/nm) | λ<br>(nm) | Power<br>(μW/nm) | Lumens<br>(Φ/nm) |
|-----------|------------------|------------------|-----------|------------------|------------------|-----------|------------------|------------------|-----------|------------------|------------------|-----------|------------------|------------------|
| 360       | 1901             | 0.0              | 490       | 14057            | 11.7             | 620       | 73853            | 0.1              | 750       | 3678             | 0.0              | 880       | 2528             | 0.0              |
| 365       | 1585             | 0.0              | 495       | 20304            | 16.8             | 625       | 68653            | 0.0              | 755       | 3385             | 0.0              | 885       | 2638             | 0.0              |
| 370       | 1604             | 0.0              | 500       | 28346            | 22.8             | 630       | 62254            | 0.0              | 760       | 2963             | 0.0              | 890       | 2417             | 0.0              |
| 375       | 1905             | 0.0              | 505       | 37228            | 28.6             | 635       | 56177            | 0.0              | 765       | 2782             | 0.0              | 895       | 1902             | 0.0              |
| 380       | 1882             | 0.0              | 510       | 46037            | 33.1             | 640       | 50521            | 0.0              | 770       | 2657             | 0.0              | 900       | 2330             | 0.0              |
| 385       | 1693             | 0.0              | 515       | 53619            | 35.0             | 645       | 45727            | 0.0              | 775       | 2259             | 0.0              | 905       | 2456             | 0.0              |
| 390       | 1640             | 0.0              | 520       | 59890            | 34.9             | 650       | 40814            | 0.0              | 780       | 2169             | 0.0              | 910       | 2205             | 0.0              |
| 395       | 1513             | 0.0              | 525       | 64946            | 32.9             | 655       | 35925            | 0.0              | 785       | 2065             | 0.0              | 915       | 2002             | 0.0              |
| 400       | 1481             | 0.0              | 530       | 69048            | 29.8             | 660       | 31824            | 0.0              | 790       | 2054             | 0.0              | 920       | 2125             | 0.0              |
| 405       | 2044             | 0.0              | 535       | 72246            | 26.0             | 665       | 27860            | 0.0              | 795       | 1908             | 0.0              | 925       | 2266             | 0.0              |
| 410       | 3966             | 0.2              | 540       | 74621            | 21.8             | 670       | 24069            | 0.0              | 800       | 2026             | 0.0              | 930       | 2159             | 0.0              |
| 415       | 8943             | 0.6              | 545       | 77288            | 18.0             | 675       | 20926            | 0.0              | 805       | 1766             | 0.0              | 935       | 2581             | 0.0              |
| 420       | 19566            | 2.2              | 550       | 80334            | 14.4             | 680       | 18170            | 0.0              | 810       | 1913             | 0.0              | 940       | 2052             | 0.0              |
| 425       | 39243            | 6.1              | 555       | 83561            | 11.3             | 685       | 15785            | 0.0              | 815       | 2019             | 0.0              | 945       | 1631             | 0.0              |
| 430       | 66113            | 14.0             | 560       | 86964            | 8.6              | 690       | 13770            | 0.0              | 820       | 1876             | 0.0              | 950       | 2301             | 0.0              |
| 435       | 92550            | 24.7             | 565       | 90264            | 6.3              | 695       | 11953            | 0.0              | 825       | 1869             | 0.0              | 955       | 3077             | 0.0              |
| 440       | 106034           | 35.4             | 570       | 93519            | 4.6              | 700       | 10452            | 0.0              | 830       | 1862             | 0.0              | 960       | 2911             | 0.0              |
| 445       | 86383            | 34.1             | 575       | 95920            | 3.2              | 705       | 9162             | 0.0              | 835       | 1663             | 0.0              | 965       | 3163             | 0.0              |
| 450       | 49216            | 22.7             | 580       | 97650            | 2.2              | 710       | 8266             | 0.0              | 840       | 1843             | 0.0              | 970       | 1995             | 0.0              |
| 455       | 27376            | 14.3             | 585       | 98486            | 1.5              | 715       | 7583             | 0.0              | 845       | 1921             | 0.0              | 975       | 2418             | 0.0              |
| 460       | 17830            | 10.5             | 590       | 98332            | 1.0              | 720       | 6750             | 0.0              | 850       | 2105             | 0.0              | 980       | 2674             | 0.0              |
| 465       | 11374            | 7.4              | 595       | 96023            | 0.6              | 725       | 5965             | 0.0              | 855       | 2096             | 0.0              | 985       | 2850             | 0.0              |
| 470       | 8344             | 6.0              | 600       | 93650            | 0.4              | 730       | 5310             | 0.0              | 860       | 2601             | 0.0              | 990       | 1972             | 0.0              |
| 475       | 7639             | 5.8              | 605       | 90313            | 0.2              | 735       | 4838             | 0.0              | 865       | 2199             | 0.0              | 995       | 2443             | 0.0              |
| 480       | 7991             | 6.4              | 610       | 85305            | 0.2              | 740       | 4280             | 0.0              | 870       | 2491             | 0.0              | 1000      | 1979             | 0.0              |
| 485       | 9994             | 8.2              | 615       | 79870            | 0.1              | 745       | 3928             | 0.0              | 875       | 2370             | 0.0              |           |                  |                  |

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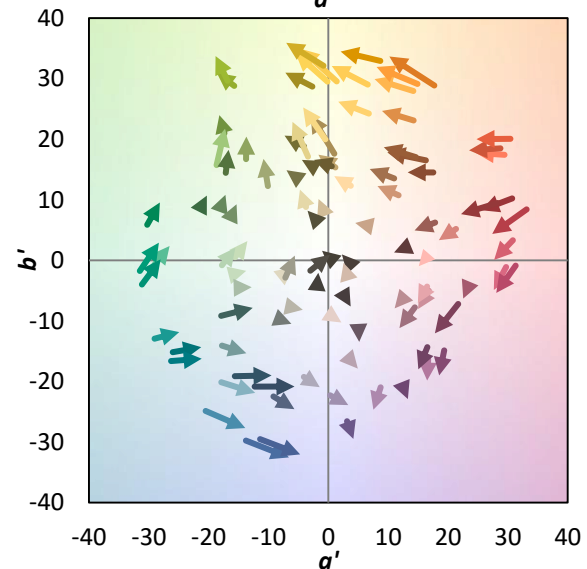
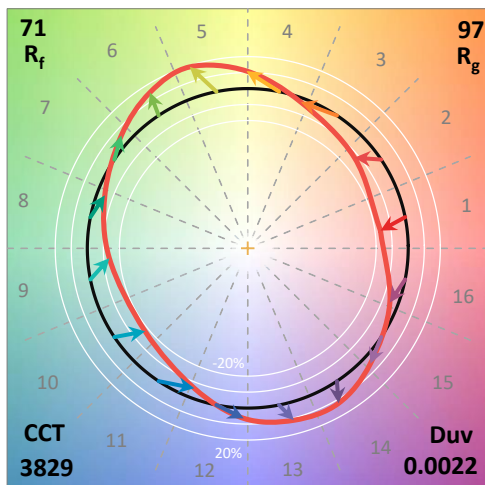
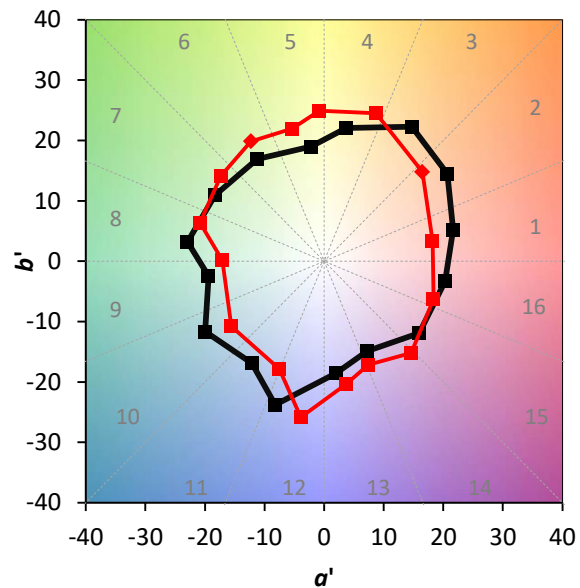
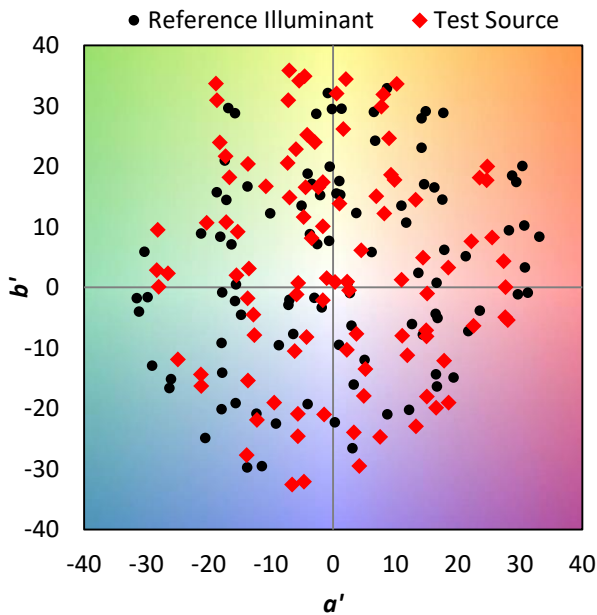
TM-30-18

### Summary

$R_f = 70.6$   
 $R_g = 96.7$   
 CIE  $R_a = 69.8$   
 $R_g = -35.1$

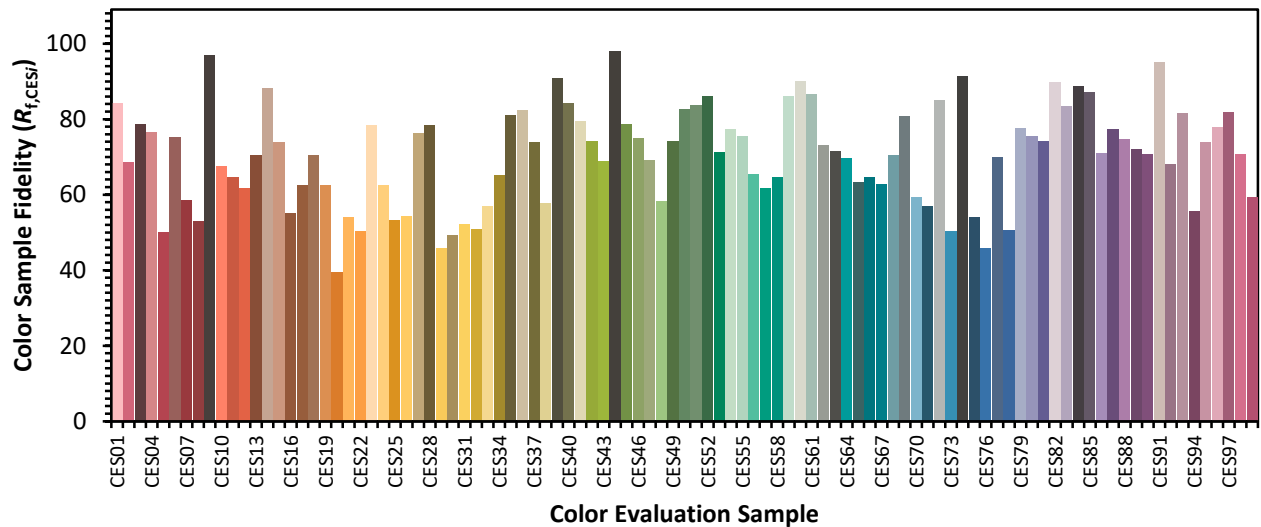


### Color Vector Graphics

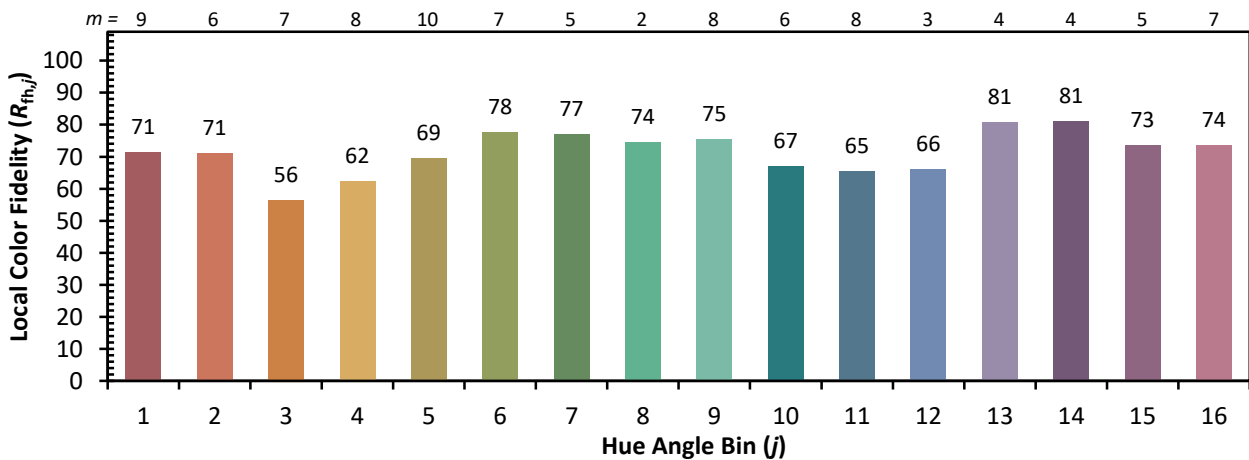
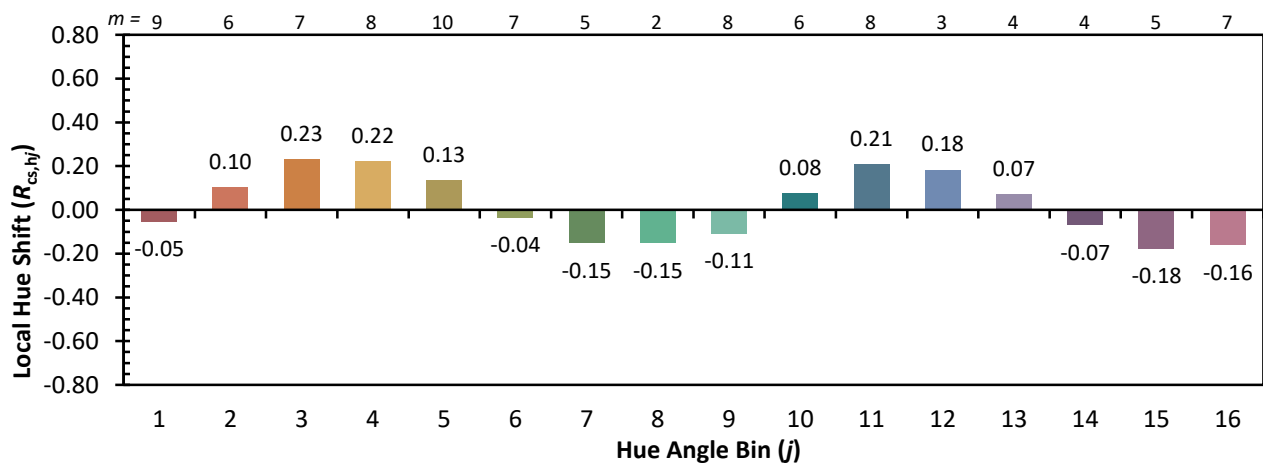
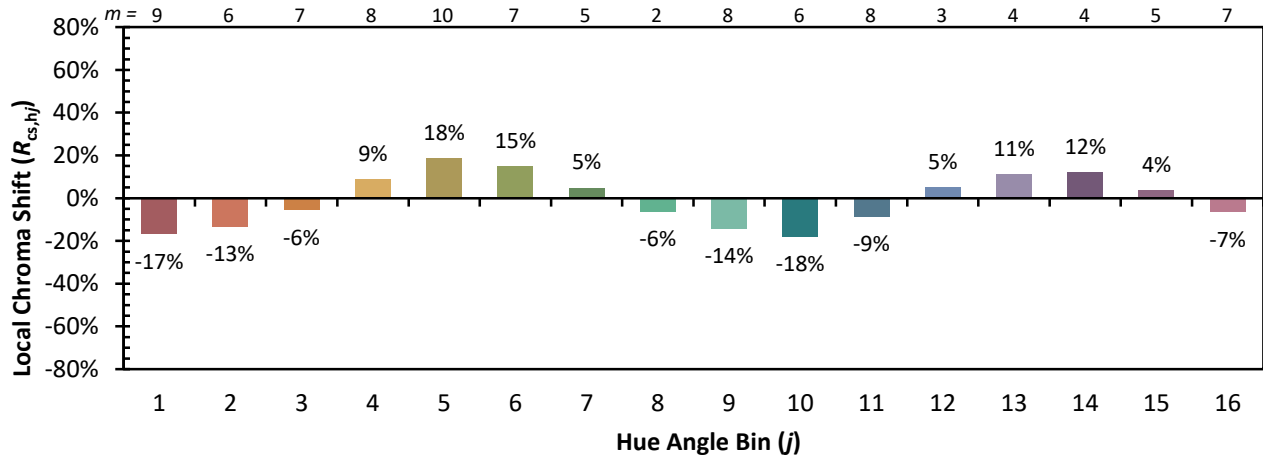


**Individual Sample Fidelity Index ( $R_{f,i}$ )**

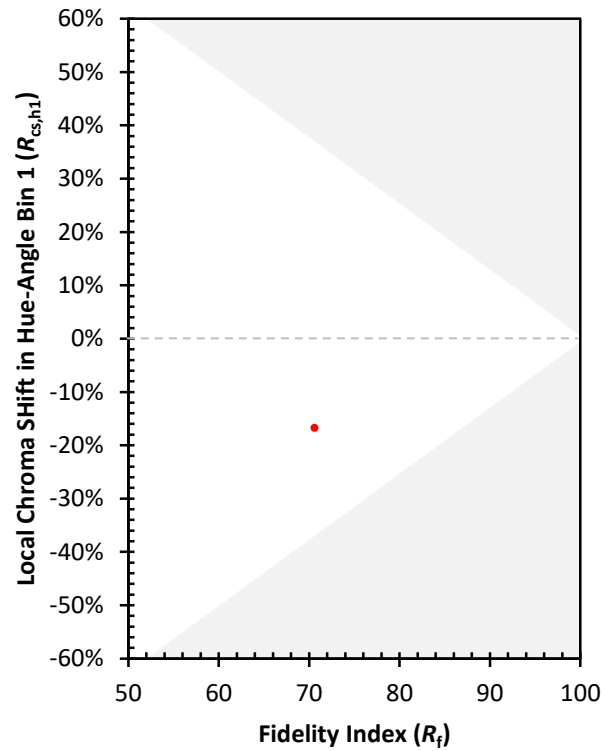
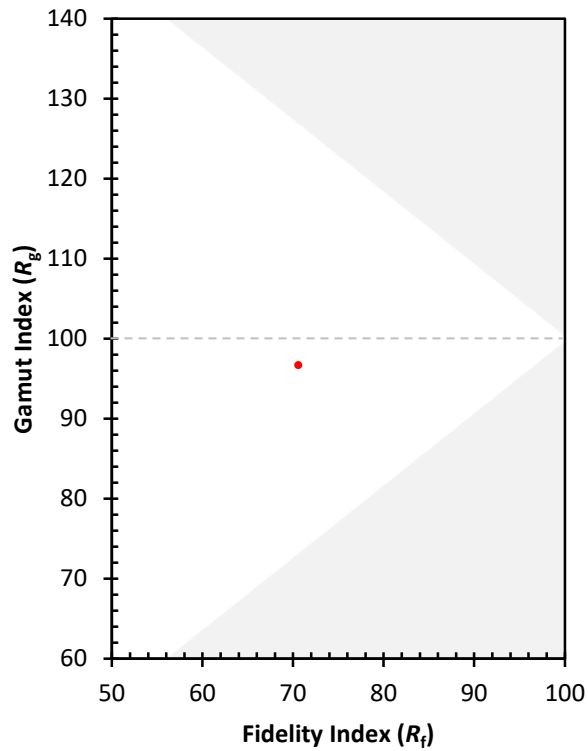
|            |            |            |            |
|------------|------------|------------|------------|
| CES01 = 85 | CES26 = 54 | CES51 = 84 | CES76 = 46 |
| CES02 = 61 | CES27 = 76 | CES52 = 86 | CES77 = 70 |
| CES03 = 30 | CES28 = 78 | CES53 = 71 | CES78 = 50 |
| CES04 = 70 | CES29 = 46 | CES54 = 77 | CES79 = 77 |
| CES05 = 47 | CES30 = 49 | CES55 = 76 | CES80 = 75 |
| CES06 = 50 | CES31 = 52 | CES56 = 65 | CES81 = 74 |
| CES07 = 40 | CES32 = 51 | CES57 = 62 | CES82 = 90 |
| CES08 = 39 | CES33 = 57 | CES58 = 65 | CES83 = 84 |
| CES09 = 29 | CES34 = 65 | CES59 = 86 | CES84 = 89 |
| CES10 = 74 | CES35 = 81 | CES60 = 90 | CES85 = 87 |
| CES11 = 57 | CES36 = 82 | CES61 = 87 | CES86 = 71 |
| CES12 = 63 | CES37 = 74 | CES62 = 73 | CES87 = 77 |
| CES13 = 42 | CES38 = 58 | CES63 = 72 | CES88 = 75 |
| CES14 = 74 | CES39 = 91 | CES64 = 70 | CES89 = 72 |
| CES15 = 71 | CES40 = 84 | CES65 = 63 | CES90 = 71 |
| CES16 = 46 | CES41 = 79 | CES66 = 65 | CES91 = 95 |
| CES17 = 49 | CES42 = 74 | CES67 = 63 | CES92 = 68 |
| CES18 = 56 | CES43 = 69 | CES68 = 70 | CES93 = 82 |
| CES19 = 72 | CES44 = 98 | CES69 = 81 | CES94 = 56 |
| CES20 = 65 | CES45 = 79 | CES70 = 59 | CES95 = 74 |
| CES21 = 86 | CES46 = 75 | CES71 = 57 | CES96 = 78 |
| CES22 = 78 | CES47 = 69 | CES72 = 85 | CES97 = 82 |
| CES23 = 92 | CES48 = 58 | CES73 = 50 | CES98 = 71 |
| CES24 = 91 | CES49 = 74 | CES74 = 91 | CES99 = 59 |
| CES25 = 72 | CES50 = 83 | CES75 = 54 |            |



Color Rendition by Hue-Angle Bin



**Measure Comparisons**



(END OF REPORT)