

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: STREETWORKS

Report Number: P359589

Luminaire Tested: NVN-SA5C-740-U-SLL

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-2019  
Report Number: P359589  
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  
Product Line: STREETWORKS  
Catalog Number: NVN-SA5C-740-U-SLL  
Description: NAVION ROADWAY AND AREA LUMINAIRE  
(5) 70 CRI, 4000K, 1050mA 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: 31559 lumens  
Efficiency: N/A  
Efficacy: 113.1 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 1.5' x H: 0')  
IES Classification: Type III - Medium  
BUG Rating: B3 - U0 - G5

Input Watts (W): 279  
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

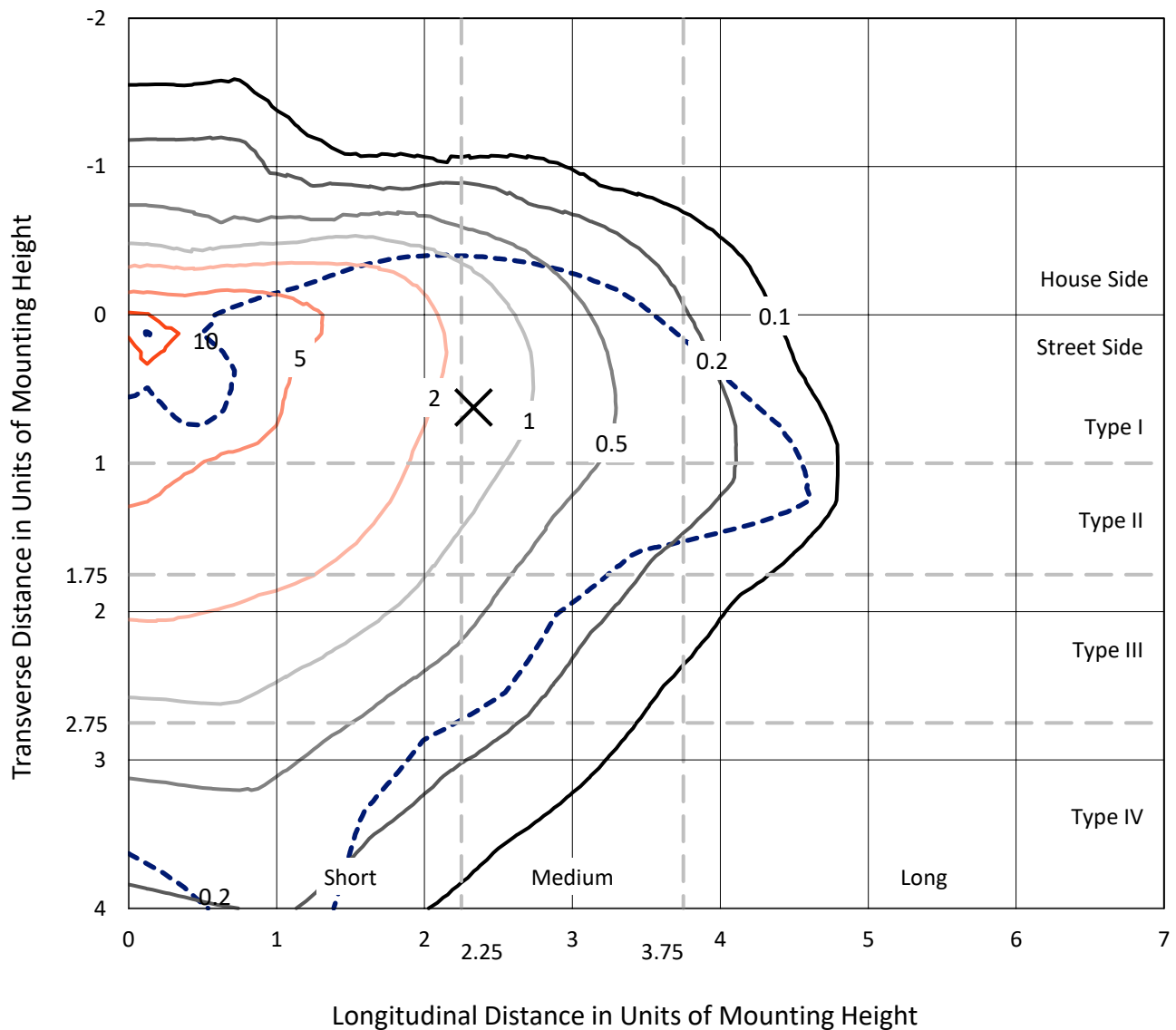


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## Iso-Footcandle Lines of Horizontal Illumination

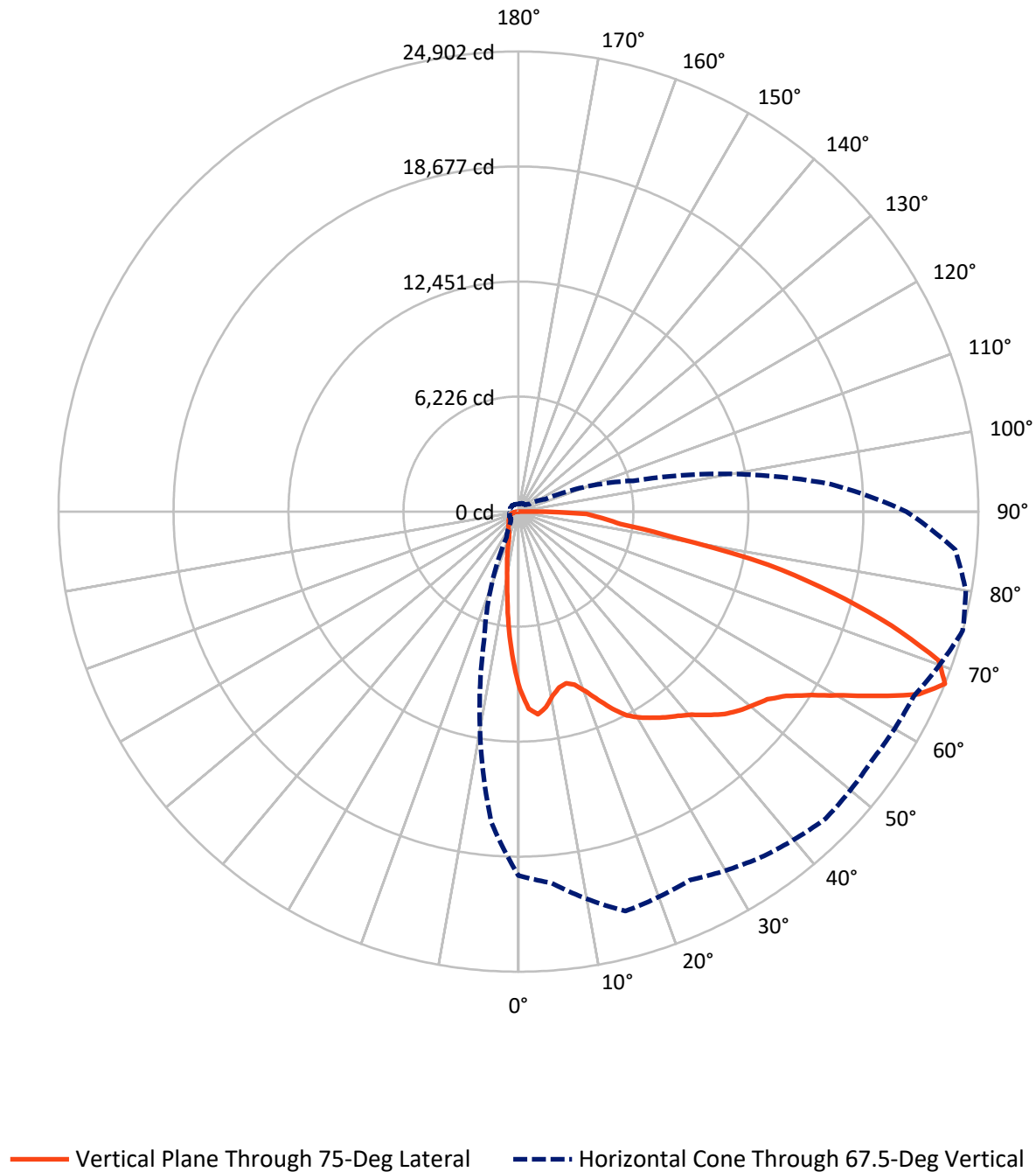
× Max cd  
- - - 1/2 Max cd



Based on 30 foot mounting height. Maximum calculated value = 13.4 fc  
Type III - Medium - N/A

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## Luminous Intensity Polar Plot



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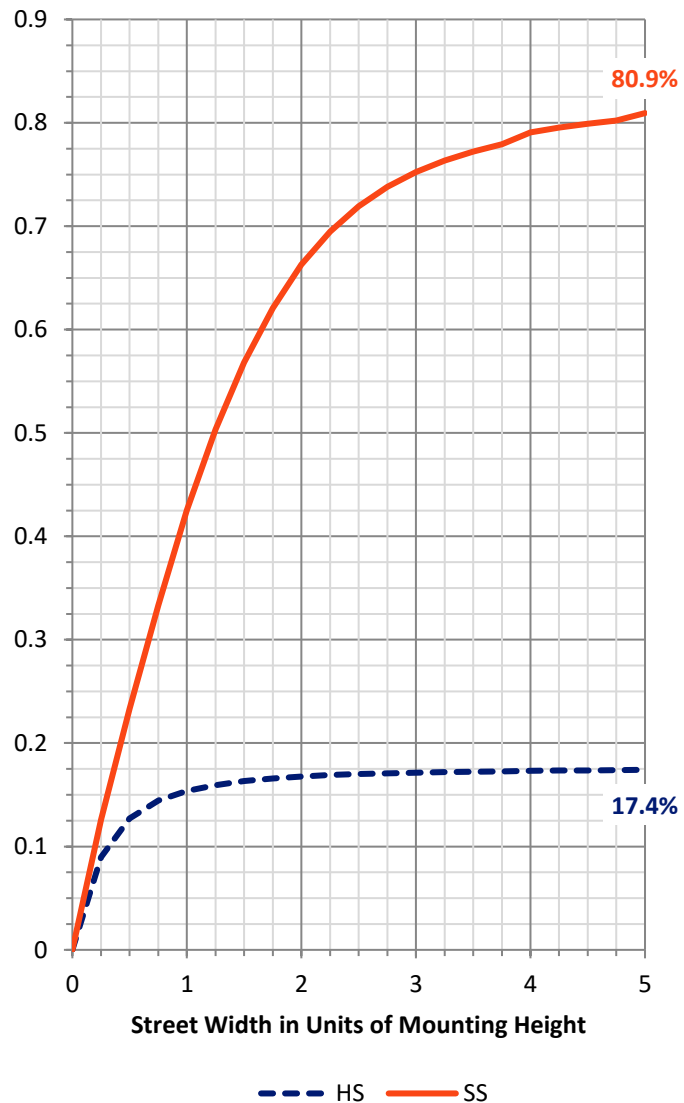
**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total   |
|--------------------|-----------|----------|--------|---------|
| <b>House Side</b>  | Lumens    | 5558.3   | 0.0    | 5558.3  |
|                    | % Fixture | 17.6     | 0.0    | 17.6    |
| <b>Street Side</b> | Lumens    | 26000.7  | 0.0    | 26000.7 |
|                    | % Fixture | 82.4     | 0.0    | 82.4    |
| <b>Total</b>       | Lumens    | 31559.0  | 0.0    | 31559.0 |
|                    | % Fixture | 100.0    | 0.0    | 100.0   |

**ZONAL LUMENS:**

| Zone      | Lumens  | % Fixture |
|-----------|---------|-----------|
| 0°-10°    | 742.0   | 2.4       |
| 10°-20°   | 1541.5  | 4.9       |
| 20°-30°   | 2192.4  | 6.9       |
| 30°-40°   | 3159.2  | 10.0      |
| 40°-50°   | 4452.2  | 14.1      |
| 50°-60°   | 6189.3  | 19.6      |
| 60°-70°   | 7484.7  | 23.7      |
| 70°-80°   | 4600.7  | 14.6      |
| 80°-90°   | 1197.2  | 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°    | 31559.0 | 100.0     |
| 0°-180°   | 31559.0 | 100.0     |

**Coefficient of Utilization**



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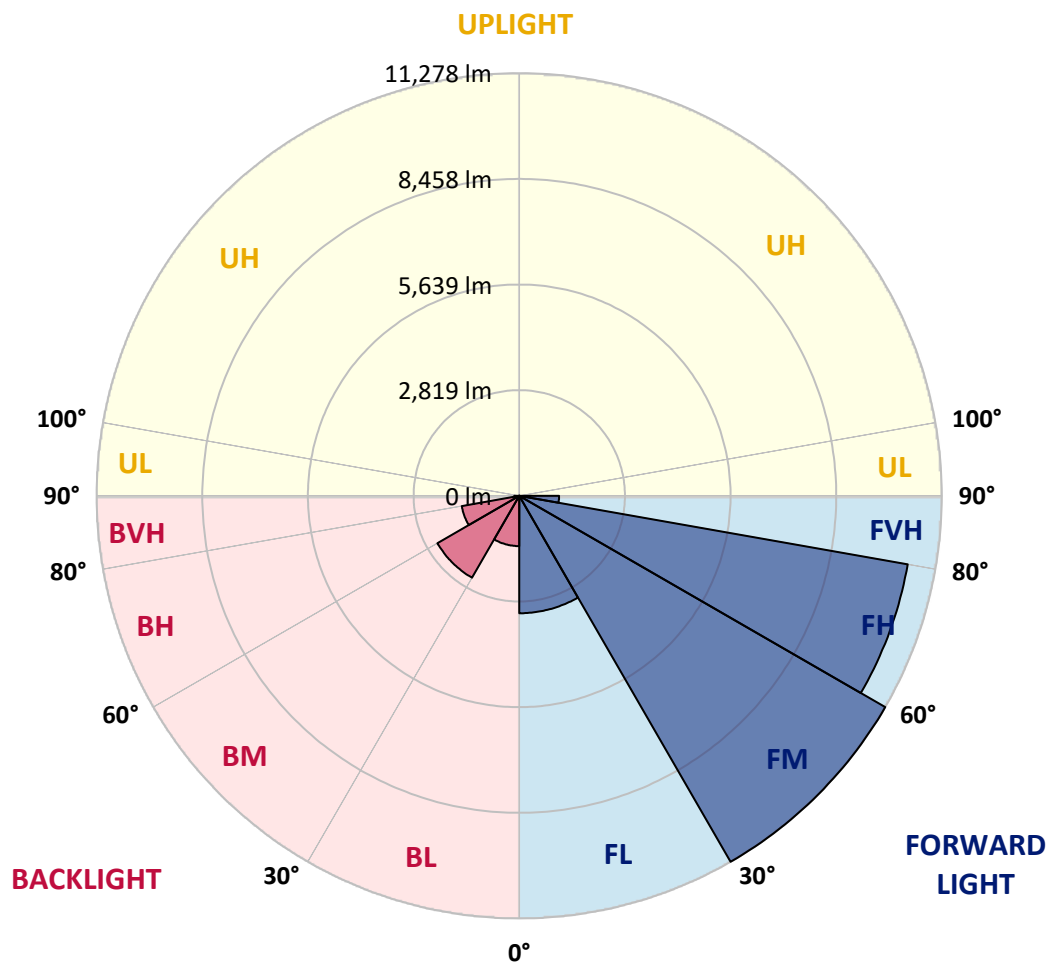
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

| Zone |             | Lumens  | % Fixture | Zone Rating/Lumen Limit |      |          |
|------|-------------|---------|-----------|-------------------------|------|----------|
|      |             |         |           | B                       | U    | G        |
| FL   | (0°-30°)    | 3133.5  | 9.9       |                         |      |          |
| FM   | (30°-60°)   | 11277.5 | 35.7      |                         |      |          |
| FH   | (60°-80°)   | 10527.0 | 33.4      |                         |      | G4/12000 |
| FVH  | (80°-90°)   | 1062.7  | 3.4       |                         |      | G5       |
| BL   | (0°-30°)    | 1342.4  | 4.3       | B3/2500                 |      |          |
| BM   | (30°-60°)   | 2523.1  | 8.0       | B3/5000                 |      |          |
| BH   | (60°-80°)   | 1558.4  | 4.9       | B3/2500                 |      | G3/2500  |
| BVH  | (80°-90°)   | 134.5   | 0.4       |                         |      | G2/225   |
| UL   | (90°-100°)  | 0.0     | 0.0       |                         | U0/0 |          |
| UH   | (100°-180°) | 0.0     | 0.0       |                         | U0/0 |          |

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

Type III Medium





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**CANDELA DISTRIBUTION (FULL):**

|        | 0°      | 5°      | 10°     | 15°     | 20°     | 25°     | 30°     | 35°     | 40°     | 45°     | 50°     |
|--------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 0°     | 9614.6  | 9614.6  | 9614.6  | 9614.6  | 9614.6  | 9614.6  | 9614.6  | 9614.6  | 9614.6  | 9614.6  | 9614.6  |
| 2.5°   | 10248.0 | 10383.0 | 10476.4 | 10568.5 | 10640.4 | 10711.1 | 10814.5 | 10918.0 | 10938.2 | 10957.1 | 10916.7 |
| 5°     | 10187.4 | 10516.8 | 10796.9 | 11075.7 | 11334.4 | 11593.0 | 11748.2 | 11903.4 | 11935.0 | 11966.5 | 11869.4 |
| 7.5°   | 9535.1  | 10020.9 | 10506.7 | 10992.4 | 11437.8 | 11883.2 | 12154.5 | 12424.5 | 12486.4 | 12546.9 | 12387.9 |
| 10°    | 8793.2  | 9358.5  | 9955.3  | 10552.1 | 11138.8 | 11725.5 | 12117.9 | 12510.3 | 12588.6 | 12666.8 | 12468.7 |
| 12.5°  | 8229.2  | 8846.2  | 9483.4  | 10120.6 | 10740.1 | 11358.3 | 11764.6 | 12170.9 | 12268.1 | 12365.2 | 12221.4 |
| 15°    | 8012.2  | 8688.5  | 9287.8  | 9887.1  | 10427.2 | 10965.9 | 11299.0 | 11630.9 | 11671.3 | 11710.4 | 11687.7 |
| 17.5°  | 8229.2  | 8974.9  | 9517.4  | 10058.7 | 10352.7 | 10645.5 | 10779.2 | 10911.7 | 10955.8 | 10998.7 | 11056.8 |
| 20°    | 8863.9  | 9668.9  | 10051.2 | 10432.2 | 10419.6 | 10405.7 | 10341.4 | 10275.8 | 10264.4 | 10253.0 | 10417.1 |
| 22.5°  | 9769.8  | 10704.8 | 10857.4 | 11008.8 | 10654.3 | 10299.7 | 10084.0 | 9866.9  | 9824.0  | 9779.9  | 9954.0  |
| 25°    | 10833.5 | 11829.0 | 11801.2 | 11772.2 | 11097.2 | 10420.9 | 10009.5 | 9598.2  | 9550.2  | 9502.3  | 9651.2  |
| 27.5°  | 11990.5 | 12941.9 | 12760.2 | 12578.5 | 11661.2 | 10743.9 | 10147.1 | 9550.2  | 9502.3  | 9454.4  | 9585.6  |
| 30°    | 12895.2 | 13758.2 | 13466.7 | 13175.3 | 12136.9 | 11098.4 | 10389.3 | 9680.2  | 9602.0  | 9522.5  | 9684.0  |
| 32.5°  | 13661.1 | 14395.4 | 14004.3 | 13613.1 | 12522.9 | 11432.8 | 10665.6 | 9898.5  | 9776.1  | 9653.7  | 9869.5  |
| 35°    | 14458.5 | 15031.3 | 14481.2 | 13929.8 | 12867.4 | 11803.7 | 10992.4 | 10179.9 | 10029.7 | 9879.6  | 10176.1 |
| 37.5°  | 15355.6 | 15831.3 | 15041.4 | 14250.3 | 13254.8 | 12259.2 | 11482.0 | 10703.5 | 10549.6 | 10395.6 | 10774.2 |
| 40°    | 16303.2 | 16699.4 | 15645.8 | 14592.2 | 13678.7 | 12765.2 | 12159.6 | 11552.7 | 11406.3 | 11258.7 | 11717.9 |
| 42.5°  | 17132.2 | 17421.1 | 16208.5 | 14996.0 | 14189.7 | 13382.2 | 12955.7 | 12528.0 | 12526.7 | 12524.2 | 12989.8 |
| 45°    | 17756.7 | 18007.8 | 16677.9 | 15346.8 | 14688.1 | 14028.2 | 13806.2 | 13584.1 | 13762.0 | 13939.9 | 14361.3 |
| 47.5°  | 18275.3 | 18445.6 | 17071.6 | 15696.3 | 15258.4 | 14820.6 | 14853.4 | 14886.2 | 15248.3 | 15610.5 | 15881.8 |
| 50°    | 18868.3 | 18730.8 | 17428.7 | 16125.3 | 15990.3 | 15855.3 | 16150.5 | 16444.5 | 16860.9 | 17276.0 | 17460.2 |
| 52.5°  | 19510.6 | 19145.9 | 17913.2 | 16679.2 | 16830.6 | 16982.0 | 17582.6 | 18183.2 | 18603.4 | 19023.5 | 19092.9 |
| 55°    | 20665.1 | 20106.1 | 18804.0 | 17500.6 | 17792.1 | 18082.3 | 18964.2 | 19844.9 | 20173.0 | 20501.0 | 20526.3 |
| 57.5°  | 21965.9 | 21470.1 | 20051.9 | 18633.6 | 18946.6 | 19259.5 | 20277.7 | 21294.7 | 21649.2 | 22002.5 | 21953.3 |
| 60°    | 22466.9 | 22490.8 | 21236.7 | 19981.2 | 20296.6 | 20612.1 | 21603.8 | 22595.6 | 23003.1 | 23409.4 | 23300.9 |
| 62.5°  | 21962.2 | 22553.9 | 21883.9 | 21212.7 | 21499.1 | 21784.3 | 22755.8 | 23727.4 | 24145.0 | 24562.6 | 24373.4 |
| 65°    | 20964.1 | 21550.8 | 21851.1 | 22151.4 | 22246.1 | 22340.7 | 23247.9 | 24153.8 | 24474.3 | 24793.5 | 24697.7 |
| 67.5°  | 19694.8 | 20169.2 | 21277.0 | 22383.6 | 22193.1 | 22002.5 | 22427.8 | 22853.0 | 23182.3 | 23511.6 | 23457.3 |
| 70°    | 18224.8 | 18790.1 | 20267.6 | 21745.1 | 20808.9 | 19871.4 | 19696.0 | 19520.7 | 19876.5 | 20231.0 | 20011.5 |
| 72.5°  | 15589.0 | 16442.0 | 18017.9 | 19592.6 | 17867.8 | 16142.9 | 15543.6 | 14944.3 | 15394.7 | 15845.2 | 15495.7 |
| 75°    | 11774.7 | 12906.5 | 14647.8 | 16387.7 | 14329.8 | 12271.9 | 11471.9 | 10672.0 | 11059.3 | 11446.7 | 11206.9 |
| 77.5°  | 8188.8  | 9608.3  | 11323.0 | 13037.7 | 10945.8 | 8852.5  | 8258.2  | 7662.7  | 7778.7  | 7893.6  | 7853.2  |
| 80°    | 5583.3  | 6517.0  | 7713.1  | 8908.0  | 7515.0  | 6122.1  | 6168.7  | 6214.2  | 6159.9  | 6104.4  | 6185.1  |
| 82.5°  | 3501.4  | 4158.8  | 5082.4  | 6004.7  | 5265.3  | 4525.9  | 4949.9  | 5373.8  | 5165.6  | 4956.2  | 5034.4  |
| 85°    | 1972.1  | 2373.4  | 3276.8  | 4178.9  | 3895.0  | 3609.9  | 3858.5  | 4105.8  | 3782.8  | 3459.7  | 3602.3  |
| 87.5°  | 376.0   | 625.8   | 1813.1  | 2999.2  | 2722.9  | 2446.5  | 2126.1  | 1805.6  | 1377.8  | 950.1   | 1387.9  |
| 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°     | 9614.6  | 9614.6  | 9614.6  | 9614.6  | 9614.6  | 9614.6  | 9614.6  | 9614.6  | 9614.6  | 9614.6  | 9614.6 |
| 2.5°   | 10876.4 | 10854.9 | 10833.5 | 10756.5 | 10678.3 | 10562.2 | 10466.3 | 10299.7 | 10208.9 | 10071.4 | 9933.8 |
| 5°     | 11770.9 | 11634.7 | 11498.4 | 11263.7 | 11027.8 | 10765.3 | 10463.8 | 10129.4 | 9877.0  | 9549.0  | 9220.9 |
| 7.5°   | 12229.0 | 11911.0 | 11591.8 | 11141.3 | 10689.6 | 10283.3 | 9806.4  | 9362.2  | 8983.7  | 8557.2  | 8130.8 |
| 10°    | 12270.6 | 11793.7 | 11315.4 | 10730.0 | 10143.3 | 9649.9  | 9101.1  | 8607.7  | 8153.5  | 7663.9  | 7173.1 |
| 12.5°  | 12076.3 | 11569.1 | 11060.6 | 10415.8 | 9769.8  | 9209.6  | 8619.1  | 8066.4  | 7563.0  | 7024.2  | 6484.2 |
| 15°    | 11665.0 | 11259.9 | 10853.6 | 10249.3 | 9644.9  | 9079.6  | 8506.8  | 7851.9  | 7282.9  | 6731.5  | 6178.8 |
| 17.5°  | 11113.6 | 10921.8 | 10728.7 | 10292.2 | 9854.3  | 9364.8  | 8809.6  | 8041.2  | 7375.0  | 6775.6  | 6176.3 |
| 20°    | 10579.8 | 10650.5 | 10719.9 | 10545.8 | 10371.7 | 9979.2  | 9494.7  | 8631.7  | 7781.3  | 6997.7  | 6212.9 |
| 22.5°  | 10126.9 | 10466.3 | 10804.4 | 10939.4 | 11073.2 | 10837.2 | 10458.7 | 9460.7  | 8335.2  | 7311.9  | 6288.6 |
| 25°    | 9798.8  | 10361.6 | 10924.3 | 11373.5 | 11821.4 | 11716.7 | 11425.2 | 10467.5 | 9069.5  | 7764.9  | 6458.9 |
| 27.5°  | 9716.8  | 10407.0 | 11097.2 | 11793.7 | 12488.9 | 12586.0 | 12505.3 | 11528.7 | 9945.2  | 8327.6  | 6708.8 |
| 30°    | 9845.5  | 10544.5 | 11242.3 | 12090.2 | 12936.8 | 13324.2 | 13432.7 | 12413.2 | 10945.8 | 8983.7  | 7020.4 |
| 32.5°  | 10085.2 | 10770.4 | 11455.5 | 12379.1 | 13301.5 | 13886.9 | 14232.6 | 13222.0 | 11643.5 | 9478.3  | 7311.9 |
| 35°    | 10472.6 | 11113.6 | 11754.5 | 12716.0 | 13677.5 | 14434.5 | 15065.4 | 14057.2 | 12263.0 | 9824.0  | 7383.8 |
| 37.5°  | 11151.4 | 11702.8 | 12254.2 | 13142.5 | 14029.5 | 15011.1 | 15958.7 | 14977.1 | 12933.0 | 10157.2 | 7380.0 |
| 40°    | 12177.2 | 12567.1 | 12955.7 | 13706.5 | 14456.0 | 15691.2 | 16970.6 | 16002.9 | 13673.7 | 10518.0 | 7362.4 |
| 42.5°  | 13455.4 | 13656.0 | 13855.4 | 14449.7 | 15043.9 | 16401.6 | 17889.2 | 17006.0 | 14380.3 | 10853.6 | 7327.0 |
| 45°    | 14781.5 | 14834.5 | 14887.5 | 15262.2 | 15635.7 | 16964.3 | 18515.0 | 17759.2 | 14997.3 | 11145.1 | 7291.7 |
| 47.5°  | 16151.8 | 15970.1 | 15788.4 | 15937.3 | 16086.2 | 17395.9 | 18961.7 | 18330.8 | 15616.8 | 11468.1 | 7318.2 |
| 50°    | 17644.4 | 17138.5 | 16632.5 | 16554.3 | 16476.0 | 17827.4 | 19487.9 | 19057.6 | 16361.2 | 11938.8 | 7516.3 |
| 52.5°  | 19161.1 | 18327.0 | 17493.0 | 17183.9 | 16873.5 | 18342.2 | 20185.6 | 19962.3 | 17423.6 | 12668.1 | 7911.2 |
| 55°    | 20551.5 | 19490.4 | 18429.2 | 18012.9 | 17596.5 | 19129.5 | 21037.3 | 21290.9 | 18785.1 | 13600.5 | 8414.7 |
| 57.5°  | 21902.9 | 20700.4 | 19497.9 | 19111.9 | 18725.8 | 20286.5 | 22116.1 | 22483.3 | 20160.4 | 14495.1 | 8828.5 |
| 60°    | 23192.4 | 22002.5 | 20811.4 | 20502.3 | 20191.9 | 21725.0 | 23282.0 | 23014.5 | 20869.5 | 14914.0 | 8957.2 |
| 62.5°  | 24184.1 | 23237.8 | 22291.5 | 22128.7 | 21964.7 | 23179.8 | 24177.8 | 22807.5 | 20419.0 | 14501.4 | 8583.7 |
| 65°    | 24601.8 | 24063.0 | 23523.0 | 23675.6 | 23827.0 | 24280.0 | 24401.1 | 22201.9 | 19003.3 | 13345.6 | 7687.9 |
| 67.5°  | 23401.8 | 23511.6 | 23621.4 | 24262.3 | 24902.1 | 24590.4 | 23737.5 | 21008.3 | 16988.3 | 11707.9 | 6427.4 |
| 70°    | 19790.7 | 20449.3 | 21106.7 | 22623.3 | 24138.7 | 23447.3 | 21959.6 | 18865.8 | 14563.2 | 9821.5  | 5078.6 |
| 72.5°  | 15144.9 | 15885.5 | 16624.9 | 18875.9 | 21125.6 | 20488.4 | 18666.5 | 15495.7 | 11676.3 | 7843.1  | 4008.6 |
| 75°    | 10965.9 | 11802.5 | 12637.8 | 15120.9 | 17604.0 | 16719.6 | 13962.6 | 11094.6 | 8868.9  | 5987.0  | 3103.9 |
| 77.5°  | 7811.5  | 8371.8  | 8932.0  | 11384.8 | 13836.4 | 12395.5 | 9294.1  | 7465.8  | 6138.5  | 4161.3  | 2182.8 |
| 80°    | 6265.9  | 6094.3  | 5922.7  | 7289.2  | 8655.7  | 8415.9  | 6147.3  | 4794.7  | 4248.3  | 2788.5  | 1328.6 |
| 82.5°  | 5111.4  | 4692.5  | 4273.6  | 4917.1  | 5560.6  | 5525.2  | 4266.0  | 3517.8  | 3162.0  | 1938.1  | 714.2  |
| 85°    | 3743.6  | 3575.8  | 3408.0  | 3977.1  | 4546.1  | 4060.3  | 2889.4  | 2235.8  | 2465.5  | 1427.0  | 388.6  |
| 87.5°  | 1825.8  | 2085.7  | 2344.3  | 3015.6  | 3685.6  | 2767.0  | 876.9   | 434.0   | 600.6   | 394.9   | 188.0  |
| 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: P359589

CATALOG NUMBER: NVN-SA5C-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: P359589

CATALOG NUMBER: NVN-SA5C-740-U-SLL

**CANDELA DISTRIBUTION (continued):**

|        | 110°   | 115°   | 120°   | 125°   | 130°   | 135°   | 140°   | 145°   | 150°   | 155°   | 160°   |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°     | 9614.6 | 9614.6 | 9614.6 | 9614.6 | 9614.6 | 9614.6 | 9614.6 | 9614.6 | 9614.6 | 9614.6 | 9614.6 |
| 2.5°   | 9831.6 | 9728.2 | 9610.8 | 9493.5 | 9359.7 | 9224.7 | 9145.2 | 9064.5 | 8977.4 | 8890.3 | 8791.9 |
| 5°     | 9003.9 | 8786.9 | 8540.8 | 8294.8 | 8051.3 | 7807.8 | 7676.5 | 7545.3 | 7406.5 | 7266.5 | 7145.3 |
| 7.5°   | 7815.3 | 7498.6 | 7158.0 | 6816.0 | 6513.2 | 6209.1 | 6021.1 | 5831.8 | 5660.2 | 5487.4 | 5342.3 |
| 10°    | 6769.3 | 6365.6 | 6023.6 | 5680.4 | 5452.1 | 5223.7 | 5050.8 | 4878.0 | 4711.4 | 4543.6 | 4383.3 |
| 12.5°  | 6080.4 | 5676.6 | 5459.6 | 5242.6 | 5053.3 | 4864.1 | 4664.7 | 4464.1 | 4235.7 | 4006.1 | 3838.3 |
| 15°    | 5811.7 | 5444.5 | 5203.5 | 4961.2 | 4707.6 | 4452.7 | 4208.0 | 3963.2 | 3693.2 | 3423.1 | 3232.6 |
| 17.5°  | 5695.6 | 5214.8 | 4878.0 | 4539.8 | 4205.4 | 3871.1 | 3587.2 | 3303.3 | 3008.0 | 2712.8 | 2519.7 |
| 20°    | 5573.2 | 4933.5 | 4481.8 | 4028.8 | 3599.8 | 3170.8 | 2849.0 | 2527.3 | 2263.6 | 1999.9 | 1852.3 |
| 22.5°  | 5462.2 | 4634.4 | 4067.9 | 3500.1 | 2992.9 | 2485.7 | 2170.2 | 1853.5 | 1692.0 | 1530.5 | 1471.2 |
| 25°    | 5416.7 | 4373.3 | 3676.8 | 2980.3 | 2445.3 | 1909.0 | 1684.4 | 1459.9 | 1398.0 | 1334.9 | 1304.7 |
| 27.5°  | 5424.3 | 4139.8 | 3347.4 | 2553.8 | 2071.8 | 1589.8 | 1435.9 | 1281.9 | 1244.1 | 1205.0 | 1186.1 |
| 30°    | 5453.3 | 3886.2 | 3037.1 | 2187.9 | 1790.4 | 1393.0 | 1293.3 | 1192.4 | 1152.0 | 1111.6 | 1087.6 |
| 32.5°  | 5486.1 | 3659.1 | 2797.3 | 1934.3 | 1610.0 | 1284.5 | 1202.5 | 1119.2 | 1080.1 | 1041.0 | 1017.0 |
| 35°    | 5429.3 | 3473.6 | 2633.3 | 1793.0 | 1493.9 | 1193.6 | 1124.2 | 1053.6 | 1010.7 | 967.8  | 945.1  |
| 37.5°  | 5333.5 | 3286.9 | 2505.9 | 1723.6 | 1418.2 | 1111.6 | 1061.1 | 1009.4 | 965.2  | 919.8  | 898.4  |
| 40°    | 5246.4 | 3129.2 | 2411.2 | 1692.0 | 1376.6 | 1059.9 | 1017.0 | 974.1  | 928.7  | 882.0  | 856.7  |
| 42.5°  | 5175.7 | 3023.2 | 2317.8 | 1612.5 | 1338.7 | 1063.7 | 1003.1 | 941.3  | 897.1  | 852.9  | 825.2  |
| 45°    | 5122.7 | 2953.8 | 2244.7 | 1535.6 | 1303.4 | 1071.2 | 994.3  | 917.3  | 873.1  | 827.7  | 794.9  |
| 47.5°  | 5117.7 | 2917.2 | 2192.9 | 1468.7 | 1236.5 | 1003.1 | 971.6  | 940.0  | 875.7  | 810.0  | 772.2  |
| 50°    | 5187.1 | 2857.9 | 2132.4 | 1405.6 | 1172.2 | 938.7  | 981.6  | 1023.3 | 913.5  | 802.5  | 754.5  |
| 52.5°  | 5332.2 | 2753.2 | 2036.5 | 1319.8 | 1093.9 | 866.8  | 933.7  | 999.3  | 904.7  | 808.8  | 747.0  |
| 55°    | 5507.6 | 2599.2 | 1891.4 | 1182.3 | 990.5  | 797.4  | 856.7  | 914.8  | 855.5  | 794.9  | 720.5  |
| 57.5°  | 5617.3 | 2404.9 | 1708.4 | 1011.9 | 874.4  | 736.9  | 770.9  | 803.7  | 779.8  | 755.8  | 680.1  |
| 60°    | 5551.7 | 2146.3 | 1502.8 | 858.0  | 772.2  | 686.4  | 680.1  | 672.5  | 707.8  | 743.2  | 656.1  |
| 62.5°  | 5231.2 | 1878.8 | 1321.1 | 763.4  | 699.0  | 633.4  | 619.5  | 604.4  | 662.4  | 719.2  | 627.1  |
| 65°    | 4690.0 | 1692.0 | 1206.2 | 720.5  | 648.5  | 576.6  | 561.5  | 546.3  | 564.0  | 581.7  | 538.8  |
| 67.5°  | 4002.3 | 1577.2 | 1140.6 | 704.1  | 617.0  | 528.7  | 511.0  | 493.3  | 489.6  | 485.8  | 470.6  |
| 70°    | 3293.2 | 1506.5 | 1097.7 | 688.9  | 582.9  | 475.7  | 459.3  | 442.9  | 437.8  | 431.5  | 420.2  |
| 72.5°  | 2753.2 | 1497.7 | 1092.7 | 687.7  | 555.2  | 422.7  | 407.5  | 392.4  | 386.1  | 378.5  | 369.7  |
| 75°    | 2254.8 | 1405.6 | 1037.2 | 668.7  | 517.3  | 364.6  | 350.8  | 336.9  | 331.8  | 325.5  | 318.0  |
| 77.5°  | 1673.1 | 1163.3 | 871.9  | 580.4  | 442.9  | 305.3  | 291.5  | 276.3  | 275.1  | 272.5  | 266.2  |
| 80°    | 1085.1 | 841.6  | 623.3  | 405.0  | 323.0  | 239.7  | 228.4  | 215.8  | 217.0  | 218.3  | 213.2  |
| 82.5°  | 603.1  | 490.8  | 381.1  | 271.3  | 220.8  | 170.3  | 165.3  | 159.0  | 162.8  | 165.3  | 159.0  |
| 85°    | 318.0  | 247.3  | 204.4  | 161.5  | 127.4  | 93.4   | 93.4   | 92.1   | 97.2   | 102.2  | 97.2   |
| 87.5°  | 137.5  | 87.1   | 74.4   | 60.6   | 34.1   | 6.3    | 7.6    | 7.6    | 10.1   | 12.6   | 11.4   |
| 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: P359589  
 CATALOG NUMBER: NVN-SA5C-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  |

REPORT NUMBER: P359589

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**CANDELA DISTRIBUTION (continued):**

|        | 165°   | 170°   | 175°   | 180°   | 185°   | 190°   | 195°   | 200°   | 205°   | 210°   | 215°   |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°     | 9614.6 | 9614.6 | 9614.6 | 9614.6 | 9614.6 | 9614.6 | 9614.6 | 9614.6 | 9614.6 | 9614.6 | 9614.6 |
| 2.5°   | 8692.3 | 8600.1 | 8506.8 | 8404.6 | 8423.5 | 8345.3 | 8267.0 | 8217.8 | 8168.6 | 8153.5 | 8138.3 |
| 5°     | 7024.2 | 6919.5 | 6813.5 | 6718.9 | 6800.9 | 6745.4 | 6689.8 | 6682.3 | 6673.4 | 6673.4 | 6672.2 |
| 7.5°   | 5197.2 | 5084.9 | 4971.3 | 4893.1 | 4973.9 | 4963.8 | 4953.7 | 5007.9 | 5062.2 | 5106.3 | 5149.2 |
| 10°    | 4223.1 | 4086.8 | 3949.3 | 3833.2 | 3813.0 | 3755.0 | 3695.7 | 3708.3 | 3719.7 | 3767.6 | 3815.6 |
| 12.5°  | 3670.5 | 3507.7 | 3344.9 | 3208.7 | 3146.8 | 3050.9 | 2953.8 | 2893.2 | 2832.6 | 2839.0 | 2844.0 |
| 15°    | 3040.8 | 2883.1 | 2724.1 | 2606.8 | 2567.7 | 2493.2 | 2418.8 | 2343.1 | 2266.1 | 2234.6 | 2201.8 |
| 17.5°  | 2325.4 | 2199.2 | 2071.8 | 1993.6 | 1993.6 | 1972.1 | 1950.7 | 1912.8 | 1873.7 | 1842.2 | 1809.4 |
| 20°    | 1704.6 | 1637.8 | 1569.6 | 1536.8 | 1546.9 | 1548.2 | 1548.2 | 1567.1 | 1586.0 | 1575.9 | 1565.8 |
| 22.5°  | 1410.6 | 1386.7 | 1362.7 | 1348.8 | 1353.9 | 1355.1 | 1356.4 | 1374.1 | 1390.5 | 1403.1 | 1414.4 |
| 25°    | 1273.1 | 1258.0 | 1242.8 | 1237.8 | 1249.1 | 1250.4 | 1250.4 | 1261.8 | 1273.1 | 1285.7 | 1298.3 |
| 27.5°  | 1165.9 | 1159.6 | 1153.2 | 1144.4 | 1155.8 | 1155.8 | 1154.5 | 1167.1 | 1178.5 | 1189.8 | 1199.9 |
| 30°    | 1063.7 | 1066.2 | 1067.4 | 1064.9 | 1072.5 | 1077.5 | 1081.3 | 1090.2 | 1097.7 | 1106.6 | 1115.4 |
| 32.5°  | 991.7  | 988.0  | 984.2  | 981.6  | 998.1  | 1006.9 | 1015.7 | 1024.5 | 1032.1 | 1035.9 | 1039.7 |
| 35°    | 922.3  | 913.5  | 904.7  | 898.4  | 913.5  | 924.9  | 936.2  | 952.6  | 967.8  | 970.3  | 972.8  |
| 37.5°  | 875.7  | 864.3  | 852.9  | 845.4  | 851.7  | 856.7  | 861.8  | 879.4  | 897.1  | 907.2  | 916.0  |
| 40°    | 831.5  | 820.1  | 808.8  | 802.5  | 806.3  | 807.5  | 808.8  | 817.6  | 825.2  | 844.1  | 861.8  |
| 42.5°  | 796.2  | 782.3  | 768.4  | 760.8  | 763.4  | 765.9  | 767.1  | 765.9  | 764.6  | 782.3  | 800.0  |
| 45°    | 760.8  | 745.7  | 730.6  | 721.7  | 723.0  | 723.0  | 723.0  | 720.5  | 716.7  | 725.5  | 734.3  |
| 47.5°  | 733.1  | 715.4  | 697.8  | 688.9  | 686.4  | 683.9  | 681.3  | 680.1  | 677.6  | 683.9  | 688.9  |
| 50°    | 705.3  | 686.4  | 666.2  | 656.1  | 649.8  | 647.3  | 644.8  | 643.5  | 641.0  | 647.3  | 652.3  |
| 52.5°  | 683.9  | 661.2  | 638.4  | 622.0  | 615.7  | 612.0  | 608.2  | 609.4  | 609.4  | 612.0  | 613.2  |
| 55°    | 646.0  | 625.8  | 604.4  | 593.0  | 581.7  | 579.1  | 576.6  | 580.4  | 582.9  | 582.9  | 582.9  |
| 57.5°  | 604.4  | 585.5  | 565.3  | 557.7  | 547.6  | 547.6  | 546.3  | 551.4  | 555.2  | 557.7  | 560.2  |
| 60°    | 567.8  | 546.3  | 524.9  | 518.6  | 514.8  | 513.5  | 512.3  | 518.6  | 523.6  | 528.7  | 533.7  |
| 62.5°  | 533.7  | 511.0  | 488.3  | 480.7  | 479.5  | 480.7  | 480.7  | 487.0  | 492.1  | 497.1  | 502.2  |
| 65°    | 495.9  | 473.2  | 449.2  | 441.6  | 444.1  | 447.9  | 451.7  | 456.8  | 460.5  | 465.6  | 470.6  |
| 67.5°  | 454.2  | 435.3  | 415.1  | 407.5  | 408.8  | 413.9  | 418.9  | 422.7  | 425.2  | 430.3  | 435.3  |
| 70°    | 408.8  | 392.4  | 376.0  | 371.0  | 369.7  | 376.0  | 381.1  | 383.6  | 386.1  | 392.4  | 397.5  |
| 72.5°  | 359.6  | 345.7  | 331.8  | 328.1  | 329.3  | 333.1  | 336.9  | 340.7  | 343.2  | 349.5  | 354.6  |
| 75°    | 309.1  | 296.5  | 283.9  | 281.4  | 283.9  | 287.7  | 291.5  | 294.0  | 296.5  | 304.1  | 310.4  |
| 77.5°  | 259.9  | 246.0  | 230.9  | 229.6  | 233.4  | 237.2  | 239.7  | 243.5  | 247.3  | 257.4  | 267.5  |
| 80°    | 208.2  | 193.0  | 176.6  | 175.4  | 179.2  | 183.0  | 186.7  | 190.5  | 194.3  | 206.9  | 218.3  |
| 82.5°  | 152.7  | 135.0  | 117.3  | 114.8  | 127.4  | 131.2  | 135.0  | 141.3  | 146.4  | 157.7  | 169.1  |
| 85°    | 92.1   | 74.4   | 56.8   | 55.5   | 66.9   | 73.2   | 79.5   | 87.1   | 93.4   | 103.5  | 113.6  |
| 87.5°  | 10.1   | 5.0    | 0.0    | 0.0    | 1.3    | 6.3    | 11.4   | 17.7   | 24.0   | 34.1   | 42.9   |
| 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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 CATALOG NUMBER: NVN-SA5C-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: NVN-SA5C-740-U-SLL

**CANDELA DISTRIBUTION (continued):**

|        | 220°   | 225°   | 230°   | 235°   | 240°   | 245°   | 250°   | 255°   | 260°   | 265°   | 270°   |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°     | 9614.6 | 9614.6 | 9614.6 | 9614.6 | 9614.6 | 9614.6 | 9614.6 | 9614.6 | 9614.6 | 9614.6 | 9614.6 |
| 2.5°   | 8082.8 | 8026.0 | 8084.1 | 8140.9 | 8164.8 | 8188.8 | 8127.0 | 8063.9 | 8162.3 | 8259.5 | 8284.7 |
| 5°     | 6621.7 | 6570.0 | 6609.1 | 6646.9 | 6562.4 | 6477.9 | 6469.0 | 6458.9 | 6532.1 | 6605.3 | 6616.7 |
| 7.5°   | 5132.8 | 5116.4 | 5153.0 | 5189.6 | 5082.4 | 4973.9 | 4920.9 | 4867.9 | 4885.5 | 4903.2 | 4900.7 |
| 10°    | 3826.9 | 3837.0 | 3882.4 | 3926.6 | 3843.3 | 3760.0 | 3723.4 | 3686.9 | 3727.2 | 3766.3 | 3802.9 |
| 12.5°  | 2866.7 | 2888.2 | 2936.1 | 2982.8 | 2948.7 | 2913.4 | 2917.2 | 2921.0 | 2967.7 | 3013.1 | 3053.5 |
| 15°    | 2227.0 | 2252.2 | 2286.3 | 2319.1 | 2320.4 | 2320.4 | 2353.2 | 2384.7 | 2380.9 | 2377.2 | 2404.9 |
| 17.5°  | 1843.4 | 1876.2 | 1880.0 | 1883.8 | 1885.1 | 1886.3 | 1883.8 | 1881.3 | 1862.4 | 1843.4 | 1864.9 |
| 20°    | 1578.5 | 1589.8 | 1599.9 | 1608.7 | 1597.4 | 1584.8 | 1553.2 | 1521.7 | 1509.1 | 1496.4 | 1516.6 |
| 22.5°  | 1435.9 | 1456.1 | 1446.0 | 1434.6 | 1411.9 | 1387.9 | 1364.0 | 1338.7 | 1337.5 | 1334.9 | 1346.3 |
| 25°    | 1316.0 | 1332.4 | 1314.8 | 1297.1 | 1280.7 | 1264.3 | 1247.9 | 1231.5 | 1230.2 | 1229.0 | 1234.0 |
| 27.5°  | 1216.3 | 1231.5 | 1215.1 | 1198.7 | 1184.8 | 1170.9 | 1158.3 | 1145.7 | 1143.2 | 1140.6 | 1141.9 |
| 30°    | 1130.5 | 1144.4 | 1130.5 | 1115.4 | 1105.3 | 1093.9 | 1085.1 | 1076.3 | 1075.0 | 1073.8 | 1073.8 |
| 32.5°  | 1053.6 | 1067.4 | 1057.4 | 1047.3 | 1038.4 | 1029.6 | 1023.3 | 1017.0 | 1010.7 | 1004.4 | 990.5  |
| 35°    | 986.7  | 1000.6 | 994.3  | 986.7  | 976.6  | 966.5  | 955.2  | 942.5  | 926.1  | 908.5  | 900.9  |
| 37.5°  | 929.9  | 943.8  | 937.5  | 931.2  | 917.3  | 903.4  | 883.2  | 861.8  | 856.7  | 850.4  | 849.2  |
| 40°    | 884.5  | 905.9  | 893.3  | 879.4  | 858.0  | 836.5  | 826.5  | 816.4  | 813.8  | 811.3  | 808.8  |
| 42.5°  | 834.0  | 866.8  | 844.1  | 821.4  | 801.2  | 781.0  | 778.5  | 776.0  | 774.7  | 773.5  | 773.5  |
| 45°    | 770.9  | 806.3  | 783.6  | 759.6  | 748.2  | 736.9  | 736.9  | 736.9  | 738.1  | 738.1  | 740.7  |
| 47.5°  | 711.6  | 733.1  | 721.7  | 710.4  | 704.1  | 697.8  | 699.0  | 700.3  | 704.1  | 706.6  | 712.9  |
| 50°    | 661.2  | 668.7  | 671.3  | 672.5  | 668.7  | 664.9  | 667.5  | 668.7  | 672.5  | 675.0  | 680.1  |
| 52.5°  | 624.6  | 635.9  | 635.9  | 634.7  | 634.7  | 634.7  | 637.2  | 639.7  | 643.5  | 647.3  | 652.3  |
| 55°    | 600.6  | 617.0  | 612.0  | 606.9  | 608.2  | 608.2  | 610.7  | 613.2  | 617.0  | 619.5  | 627.1  |
| 57.5°  | 577.9  | 595.5  | 590.5  | 585.5  | 585.5  | 585.5  | 586.7  | 588.0  | 591.8  | 594.3  | 599.3  |
| 60°    | 551.4  | 569.1  | 564.0  | 557.7  | 559.0  | 560.2  | 561.5  | 561.5  | 564.0  | 565.3  | 565.3  |
| 62.5°  | 519.8  | 537.5  | 532.5  | 526.2  | 529.9  | 532.5  | 532.5  | 532.5  | 535.0  | 536.2  | 532.5  |
| 65°    | 487.0  | 503.4  | 498.4  | 493.3  | 498.4  | 502.2  | 504.7  | 506.0  | 504.7  | 503.4  | 499.7  |
| 67.5°  | 451.7  | 468.1  | 463.1  | 456.8  | 463.1  | 468.1  | 473.2  | 476.9  | 473.2  | 469.4  | 464.3  |
| 70°    | 413.9  | 430.3  | 424.0  | 417.6  | 424.0  | 430.3  | 435.3  | 440.4  | 435.3  | 430.3  | 429.0  |
| 72.5°  | 373.5  | 392.4  | 384.8  | 377.3  | 384.8  | 392.4  | 394.9  | 397.5  | 393.7  | 389.9  | 387.4  |
| 75°    | 329.3  | 348.2  | 341.9  | 334.4  | 340.7  | 347.0  | 348.2  | 349.5  | 349.5  | 348.2  | 340.7  |
| 77.5°  | 282.6  | 297.8  | 294.0  | 290.2  | 294.0  | 297.8  | 297.8  | 297.8  | 299.0  | 299.0  | 288.9  |
| 80°    | 227.1  | 235.9  | 237.2  | 238.5  | 239.7  | 241.0  | 239.7  | 238.5  | 235.9  | 233.4  | 227.1  |
| 82.5°  | 169.1  | 169.1  | 179.2  | 188.0  | 188.0  | 186.7  | 185.5  | 183.0  | 177.9  | 171.6  | 157.7  |
| 85°    | 107.2  | 100.9  | 117.3  | 132.5  | 132.5  | 131.2  | 128.7  | 124.9  | 114.8  | 103.5  | 92.1   |
| 87.5°  | 36.6   | 30.3   | 46.7   | 63.1   | 64.3   | 64.3   | 61.8   | 59.3   | 49.2   | 37.9   | 29.0   |
| 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: NVN-SA5C-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  |



REPORT NUMBER: P359589

CATALOG NUMBER: NVN-SA5C-740-U-SLL

**CANDELA DISTRIBUTION (continued):**

|        | 275°   | 280°   | 285°   | 290°   | 295°   | 300°   | 305°   | 310°   | 315°   | 320°   | 325°   |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°     | 9614.6 | 9614.6 | 9614.6 | 9614.6 | 9614.6 | 9614.6 | 9614.6 | 9614.6 | 9614.6 | 9614.6 | 9614.6 |
| 2.5°   | 8322.6 | 8339.0 | 8354.1 | 8477.8 | 8600.1 | 8744.0 | 8887.8 | 8997.6 | 9106.1 | 9218.4 | 9330.7 |
| 5°     | 6655.8 | 6676.0 | 6696.2 | 6846.3 | 6995.2 | 7195.8 | 7396.4 | 7569.3 | 7742.1 | 7945.3 | 8148.4 |
| 7.5°   | 4933.5 | 4977.6 | 5020.5 | 5180.8 | 5339.8 | 5555.5 | 5770.0 | 5995.9 | 6220.5 | 6485.4 | 6750.4 |
| 10°    | 3874.9 | 3958.1 | 4040.1 | 4204.2 | 4368.2 | 4581.4 | 4793.4 | 5029.4 | 5265.3 | 5526.5 | 5786.4 |
| 12.5°  | 3136.7 | 3247.8 | 3357.5 | 3554.4 | 3751.2 | 4006.1 | 4259.7 | 4522.1 | 4783.3 | 5013.0 | 5242.6 |
| 15°    | 2478.1 | 2599.2 | 2719.1 | 2927.3 | 3135.5 | 3415.6 | 3694.4 | 3980.8 | 4266.0 | 4541.1 | 4816.1 |
| 17.5°  | 1933.0 | 2032.7 | 2131.1 | 2307.8 | 2483.1 | 2754.4 | 3025.7 | 3326.0 | 3626.3 | 3961.9 | 4296.3 |
| 20°    | 1559.5 | 1601.2 | 1642.8 | 1770.2 | 1896.4 | 2117.2 | 2336.8 | 2643.4 | 2950.0 | 3351.2 | 3752.5 |
| 22.5°  | 1366.5 | 1387.9 | 1408.1 | 1469.9 | 1530.5 | 1673.1 | 1814.4 | 2085.7 | 2355.7 | 2793.5 | 3230.1 |
| 25°    | 1250.4 | 1266.8 | 1283.2 | 1323.6 | 1364.0 | 1432.1 | 1500.2 | 1690.8 | 1881.3 | 2311.5 | 2740.5 |
| 27.5°  | 1145.7 | 1170.9 | 1194.9 | 1213.8 | 1231.5 | 1278.2 | 1323.6 | 1448.5 | 1573.4 | 1974.7 | 2374.6 |
| 30°    | 1070.0 | 1078.8 | 1087.6 | 1116.7 | 1144.4 | 1192.4 | 1240.3 | 1327.4 | 1414.4 | 1753.8 | 2092.0 |
| 32.5°  | 981.6  | 994.3  | 1006.9 | 1037.2 | 1067.4 | 1111.6 | 1155.8 | 1226.4 | 1295.8 | 1586.0 | 1875.0 |
| 35°    | 902.2  | 914.8  | 927.4  | 957.7  | 986.7  | 1034.6 | 1081.3 | 1140.6 | 1198.7 | 1451.0 | 1703.4 |
| 37.5°  | 852.9  | 865.6  | 878.2  | 904.7  | 929.9  | 977.9  | 1024.5 | 1071.2 | 1116.7 | 1350.1 | 1583.5 |
| 40°    | 811.3  | 823.9  | 836.5  | 861.8  | 885.8  | 932.4  | 977.9  | 1017.0 | 1056.1 | 1274.4 | 1492.7 |
| 42.5°  | 774.7  | 788.6  | 802.5  | 827.7  | 851.7  | 893.3  | 935.0  | 986.7  | 1037.2 | 1208.8 | 1379.1 |
| 45°    | 744.4  | 758.3  | 770.9  | 798.7  | 826.5  | 866.8  | 907.2  | 979.1  | 1051.0 | 1174.7 | 1298.3 |
| 47.5°  | 716.7  | 731.8  | 745.7  | 776.0  | 806.3  | 856.7  | 905.9  | 966.5  | 1025.8 | 1148.2 | 1270.6 |
| 50°    | 690.2  | 707.8  | 725.5  | 762.1  | 797.4  | 882.0  | 965.2  | 974.1  | 981.6  | 1126.8 | 1270.6 |
| 52.5°  | 664.9  | 685.1  | 705.3  | 750.7  | 794.9  | 893.3  | 991.7  | 960.2  | 927.4  | 1086.4 | 1245.4 |
| 55°    | 639.7  | 657.4  | 673.8  | 729.3  | 784.8  | 856.7  | 928.7  | 887.0  | 844.1  | 1010.7 | 1177.2 |
| 57.5°  | 605.6  | 624.6  | 642.2  | 701.5  | 760.8  | 811.3  | 860.5  | 822.7  | 783.6  | 924.9  | 1064.9 |
| 60°    | 570.3  | 591.8  | 613.2  | 688.9  | 763.4  | 754.5  | 744.4  | 736.9  | 728.0  | 829.0  | 929.9  |
| 62.5°  | 538.8  | 561.5  | 584.2  | 682.6  | 781.0  | 720.5  | 659.9  | 666.2  | 671.3  | 745.7  | 820.1  |
| 65°    | 507.2  | 529.9  | 551.4  | 600.6  | 649.8  | 625.8  | 601.9  | 612.0  | 620.8  | 694.0  | 767.1  |
| 67.5°  | 471.9  | 492.1  | 511.0  | 527.4  | 543.8  | 546.3  | 548.9  | 559.0  | 569.1  | 656.1  | 741.9  |
| 70°    | 432.8  | 449.2  | 465.6  | 476.9  | 487.0  | 492.1  | 495.9  | 508.5  | 521.1  | 615.7  | 710.4  |
| 72.5°  | 388.6  | 402.5  | 415.1  | 425.2  | 435.3  | 439.1  | 441.6  | 454.2  | 466.9  | 567.8  | 668.7  |
| 75°    | 340.7  | 352.0  | 362.1  | 371.0  | 379.8  | 384.8  | 389.9  | 398.7  | 407.5  | 517.3  | 625.8  |
| 77.5°  | 287.7  | 299.0  | 309.1  | 316.7  | 323.0  | 328.1  | 331.8  | 343.2  | 354.6  | 446.7  | 537.5  |
| 80°    | 224.6  | 238.5  | 251.1  | 257.4  | 262.4  | 263.7  | 263.7  | 273.8  | 283.9  | 349.5  | 413.9  |
| 82.5°  | 159.0  | 174.1  | 188.0  | 193.0  | 198.1  | 198.1  | 198.1  | 209.5  | 220.8  | 265.0  | 307.9  |
| 85°    | 93.4   | 109.8  | 124.9  | 130.0  | 135.0  | 137.5  | 138.8  | 143.8  | 147.6  | 179.2  | 209.5  |
| 87.5°  | 29.0   | 42.9   | 55.5   | 58.0   | 60.6   | 65.6   | 70.7   | 71.9   | 71.9   | 93.4   | 114.8  |
| 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: P359589

CATALOG NUMBER: NVN-SA5C-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  |

REPORT NUMBER: P359589

CATALOG NUMBER: NVN-SA5C-740-U-SLL

**CANDELA DISTRIBUTION (continued):**

|        | 330°   | 335°   | 340°   | 345°   | 350°    | 355°    | 360°    |
|--------|--------|--------|--------|--------|---------|---------|---------|
| 0°     | 9614.6 | 9614.6 | 9614.6 | 9614.6 | 9614.6  | 9614.6  | 9614.6  |
| 2.5°   | 9459.4 | 9588.1 | 9738.2 | 9887.1 | 10014.6 | 10142.0 | 10248.0 |
| 5°     | 8407.1 | 8665.8 | 8982.5 | 9297.9 | 9579.3  | 9860.6  | 10187.4 |
| 7.5°   | 7084.8 | 7419.1 | 7829.2 | 8239.3 | 8636.7  | 9032.9  | 9535.1  |
| 10°    | 6127.1 | 6466.5 | 6900.6 | 7333.3 | 7780.0  | 8225.4  | 8793.2  |
| 12.5°  | 5518.9 | 5794.0 | 6214.2 | 6634.3 | 7159.2  | 7682.8  | 8229.2  |
| 15°    | 5117.7 | 5418.0 | 5826.8 | 6235.6 | 6809.7  | 7383.8  | 8012.2  |
| 17.5°  | 4690.0 | 5082.4 | 5606.0 | 6129.6 | 6809.7  | 7488.5  | 8229.2  |
| 20°    | 4242.0 | 4730.3 | 5409.2 | 6088.0 | 7004.0  | 7918.8  | 8863.9  |
| 22.5°  | 3795.4 | 4360.6 | 5231.2 | 6100.6 | 7298.0  | 8494.2  | 9769.8  |
| 25°    | 3392.9 | 4045.2 | 5122.7 | 6199.0 | 7725.7  | 9251.2  | 10833.5 |
| 27.5°  | 3087.5 | 3799.2 | 5078.6 | 6356.7 | 8268.3  | 10179.9 | 11990.5 |
| 30°    | 2816.2 | 3540.5 | 5025.6 | 6510.7 | 8790.7  | 11069.4 | 12895.2 |
| 32.5°  | 2581.6 | 3288.1 | 4923.4 | 6557.4 | 9155.3  | 11753.3 | 13661.1 |
| 35°    | 2397.3 | 3091.3 | 4751.8 | 6412.3 | 9383.7  | 12355.1 | 14458.5 |
| 37.5°  | 2238.4 | 2893.2 | 4556.2 | 6219.2 | 9586.8  | 12954.5 | 15355.6 |
| 40°    | 2086.9 | 2681.2 | 4388.4 | 6094.3 | 9866.9  | 13639.6 | 16303.2 |
| 42.5°  | 1943.1 | 2507.1 | 4253.4 | 5999.7 | 10126.9 | 14252.8 | 17132.2 |
| 45°    | 1835.9 | 2373.4 | 4133.5 | 5892.4 | 10294.7 | 14697.0 | 17756.7 |
| 47.5°  | 1782.9 | 2293.9 | 4069.2 | 5843.2 | 10462.5 | 15080.5 | 18275.3 |
| 50°    | 1775.3 | 2280.0 | 4142.4 | 6004.7 | 10825.9 | 15645.8 | 18868.3 |
| 52.5°  | 1774.0 | 2302.7 | 4353.1 | 6403.4 | 11500.9 | 16597.2 | 19510.6 |
| 55°    | 1747.5 | 2316.6 | 4604.2 | 6890.5 | 12406.9 | 17922.0 | 20665.1 |
| 57.5°  | 1666.8 | 2268.6 | 4862.8 | 7455.7 | 13364.5 | 19272.1 | 21965.9 |
| 60°    | 1541.9 | 2152.6 | 5076.1 | 7998.3 | 14008.0 | 20016.5 | 22466.9 |
| 62.5°  | 1385.4 | 1949.4 | 5146.7 | 8342.7 | 13990.4 | 19638.0 | 21962.2 |
| 65°    | 1251.7 | 1736.2 | 4914.5 | 8091.7 | 13282.5 | 18472.1 | 20964.1 |
| 67.5°  | 1133.1 | 1522.9 | 4334.1 | 7144.1 | 12009.4 | 16873.5 | 19694.8 |
| 70°    | 1047.3 | 1382.9 | 3585.9 | 5788.9 | 10415.8 | 15041.4 | 18224.8 |
| 72.5°  | 993.0  | 1316.0 | 2923.5 | 4529.7 | 8452.5  | 12374.1 | 15589.0 |
| 75°    | 918.6  | 1211.3 | 2293.9 | 3375.2 | 6469.0  | 9562.9  | 11774.7 |
| 77.5°  | 779.8  | 1020.8 | 1728.6 | 2436.5 | 4746.7  | 7055.8  | 8188.8  |
| 80°    | 601.9  | 788.6  | 1188.6 | 1588.6 | 3266.7  | 4944.8  | 5583.3  |
| 82.5°  | 429.0  | 550.1  | 720.5  | 890.8  | 2170.2  | 3448.4  | 3501.4  |
| 85°    | 265.0  | 320.5  | 412.6  | 504.7  | 1435.9  | 2367.1  | 1972.1  |
| 87.5°  | 142.6  | 170.3  | 218.3  | 265.0  | 459.3   | 653.6   | 376.0   |
| 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: P359589

CATALOG NUMBER: NVN-SA5C-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  |

LM-79-08: Approved Method: Electrical and Photometric Measurements of Solid-  
State Lighting Products

Report Prepared for

Cooper Lighting Solutions

MCGRAW, INVUE, LUMARK AND STREETWORKS

DATA VALID FOR LUMINAIRES UTILIZING SA LIGHT ENGINES

Report Number: SP1-2101-121-2

Luminaire Tested: IFLD-S-SA2A-740-U-T3R-HSS

Test Date: 03/05/2021

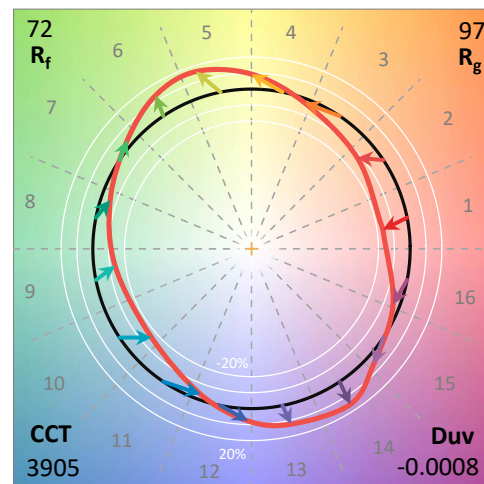
### Test Information

Test Method: LM-79-08  
 Report Number: SP1-2101-121-2  
 Test Lab: COOPER LIGHTING SOLUTIONS  
 Photometer: SP1  
 Measurement Geometry:  $4\pi$   
 Issue Date: 03/05/2021  
 Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
 Product Line: STREETWORKS  
 Catalog Number: **IFLD-S-SA2A-740-U-T3R-HSS**  
 Description: STREETWORKS INF FLOOD

SHIELD, DRIVER PROGRAMMED @ 615mA.

### Spectral Parameters

|                           |         |           |      |      |       |
|---------------------------|---------|-----------|------|------|-------|
| CCT (K):                  | 3905    | CRI (Ra): | 71.2 |      |       |
| CIE u':                   | 0.2273  | R1:       | 68.9 | R9:  | -29.7 |
| CIE v':                   | 0.5024  | R2:       | 77.0 | R10: | 46.2  |
| Duv:                      | -0.0008 | R3:       | 84.0 | R11: | 68.8  |
| CIE x:                    | 0.3841  | R4:       | 71.6 | R12: | 45.6  |
| CIE y:                    | 0.3774  | R5:       | 68.9 | R13: | 69.5  |
| CIE z:                    | 0.2385  | R6:       | 68.3 | R14: | 90.7  |
| Peak Wavelength (nm):     | 443     | R7:       | 78.7 |      |       |
| Dominant Wavelength (nm): | 579     | R8:       | 52.2 |      |       |
| Purity:                   | 28.7    |           |      |      |       |
| Rf:                       | 71.7    |           |      |      |       |
| Rg:                       | 96.9    |           |      |      |       |



### Test Conditions

Stabilization Time: 211M  
 Operation Time: 12H  
 Room Temperature (°C) / RH%: 24.8/312%  
 Sphere Temperature (°C): 24.1

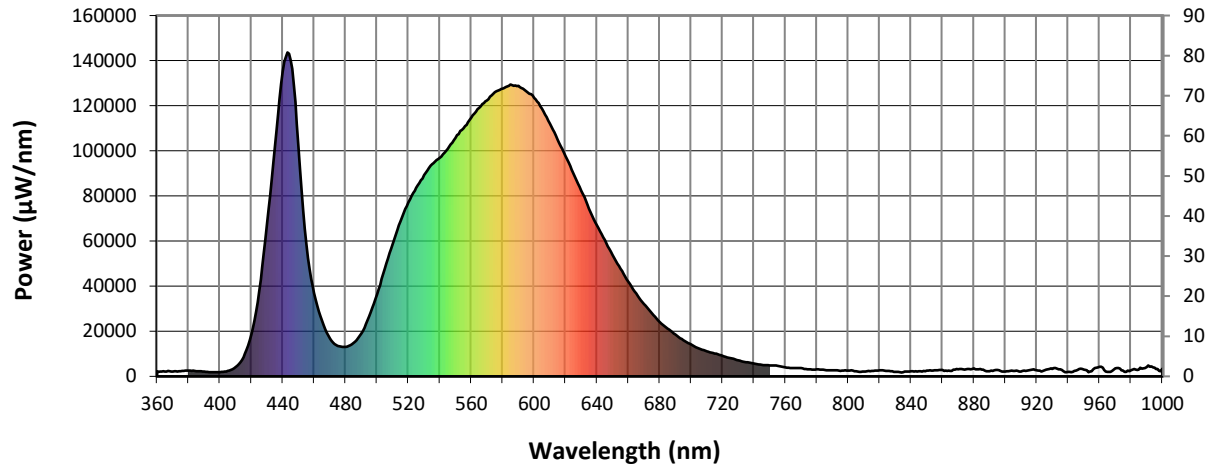
REPORT NUMBER: SP1-2101-121-2

| 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: SP1-2101-121-2

### Photopic Flux vs. Wavelength

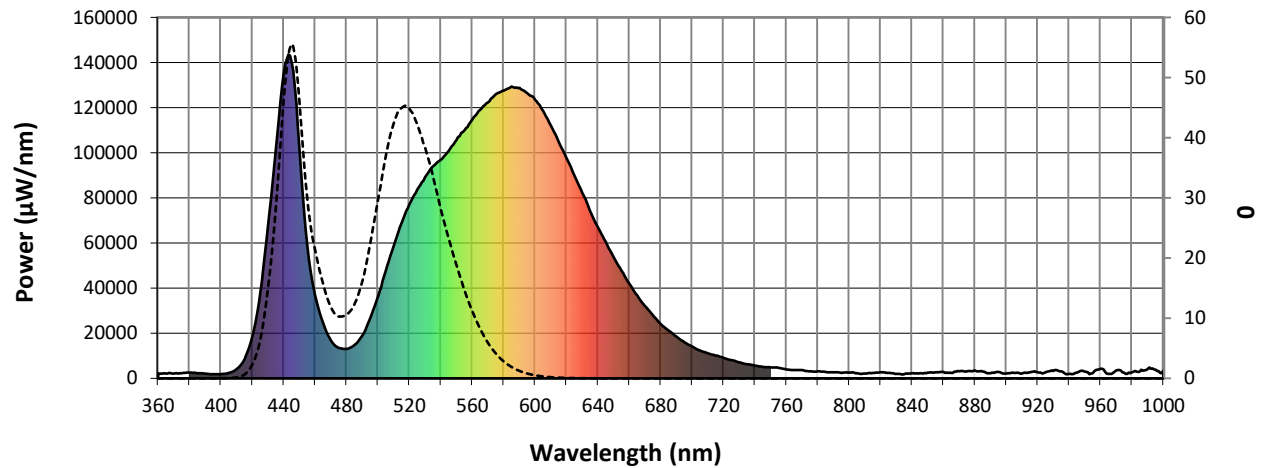


#####

| 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       | 2304             | 0.0              | 490       | 19043            | 2.7              | 620       | 97577            | 25.4             | 750       | 4830             | 0.0              | 880       | 3505             | 0.0              |
| 365       | 2150             | 0.0              | 495       | 26606            | 4.8              | 625       | 90158            | 19.9             | 755       | 4664             | 0.0              | 885       | 2991             | 0.0              |
| 370       | 2146             | 0.0              | 500       | 36376            | 8.0              | 630       | 82240            | 14.9             | 760       | 4006             | 0.0              | 890       | 2327             | 0.0              |
| 375       | 2332             | 0.0              | 505       | 47714            | 13.3             | 635       | 74361            | 11.2             | 765       | 3715             | 0.0              | 895       | 2775             | 0.0              |
| 380       | 2527             | 0.0              | 510       | 58741            | 20.2             | 640       | 66994            | 8.0              | 770       | 3696             | 0.0              | 900       | 2141             | 0.0              |
| 385       | 2304             | 0.0              | 515       | 68716            | 28.5             | 645       | 60405            | 5.8              | 775       | 3117             | 0.0              | 905       | 2421             | 0.0              |
| 390       | 2064             | 0.0              | 520       | 77136            | 37.4             | 650       | 53806            | 3.9              | 780       | 3062             | 0.0              | 910       | 2200             | 0.0              |
| 395       | 1856             | 0.0              | 525       | 83567            | 44.9             | 655       | 47610            | 2.7              | 785       | 2907             | 0.0              | 915       | 2716             | 0.0              |
| 400       | 1856             | 0.0              | 530       | 89283            | 52.6             | 660       | 42018            | 1.8              | 790       | 2655             | 0.0              | 920       | 2656             | 0.0              |
| 405       | 2374             | 0.0              | 535       | 94097            | 58.4             | 665       | 36742            | 1.2              | 795       | 2467             | 0.0              | 925       | 2671             | 0.0              |
| 410       | 4084             | 0.0              | 540       | 96845            | 63.1             | 670       | 32105            | 0.7              | 800       | 2609             | 0.0              | 930       | 3292             | 0.0              |
| 415       | 8543             | 0.0              | 545       | 100829           | 67.1             | 675       | 27946            | 0.5              | 805       | 2293             | 0.0              | 935       | 3188             | 0.0              |
| 420       | 18394            | 0.1              | 550       | 105648           | 71.8             | 680       | 24146            | 0.3              | 810       | 2188             | 0.0              | 940       | 1997             | 0.0              |
| 425       | 37987            | 0.2              | 555       | 110017           | 75.1             | 685       | 21191            | 0.2              | 815       | 2386             | 0.0              | 945       | 2623             | 0.0              |
| 430       | 67605            | 0.5              | 560       | 114586           | 77.9             | 690       | 18544            | 0.1              | 820       | 2712             | 0.0              | 950       | 2969             | 0.0              |
| 435       | 102160           | 1.2              | 565       | 118987           | 79.1             | 695       | 16058            | 0.1              | 825       | 2473             | 0.0              | 955       | 2277             | 0.0              |
| 440       | 135103           | 2.1              | 570       | 122326           | 79.5             | 700       | 14133            | 0.0              | 830       | 1969             | 0.0              | 960       | 4267             | 0.0              |
| 445       | 140126           | 2.9              | 575       | 125968           | 78.4             | 705       | 12309            | 0.0              | 835       | 1917             | 0.0              | 965       | 2034             | 0.0              |
| 450       | 102339           | 2.7              | 580       | 127613           | 75.8             | 710       | 11142            | 0.0              | 840       | 2248             | 0.0              | 970       | 3586             | 0.0              |
| 455       | 58751            | 2.0              | 585       | 129466           | 71.9             | 715       | 10143            | 0.0              | 845       | 2266             | 0.0              | 975       | 2505             | 0.0              |
| 460       | 36892            | 1.5              | 590       | 128813           | 66.6             | 720       | 9072             | 0.0              | 850       | 2558             | 0.0              | 980       | 2666             | 0.0              |
| 465       | 24637            | 1.3              | 595       | 126387           | 59.9             | 725       | 8130             | 0.0              | 855       | 2767             | 0.0              | 985       | 2934             | 0.0              |
| 470       | 16738            | 1.0              | 600       | 123477           | 53.2             | 730       | 7149             | 0.0              | 860       | 2826             | 0.0              | 990       | 4120             | 0.0              |
| 475       | 13456            | 1.1              | 605       | 118718           | 46.0             | 735       | 6311             | 0.0              | 865       | 2385             | 0.0              | 995       | 3858             | 0.0              |
| 480       | 13081            | 1.2              | 610       | 112091           | 38.5             | 740       | 5711             | 0.0              | 870       | 3194             | 0.0              | 1000      | 3405             | 0.0              |
| 485       | 14734            | 1.7              | 615       | 105039           | 31.7             | 745       | 5111             | 0.0              | 875       | 3189             | 0.0              |           |                  |                  |

REPORT NUMBER: SP1-2101-121-2

### Scotopic Flux vs. Wavelength



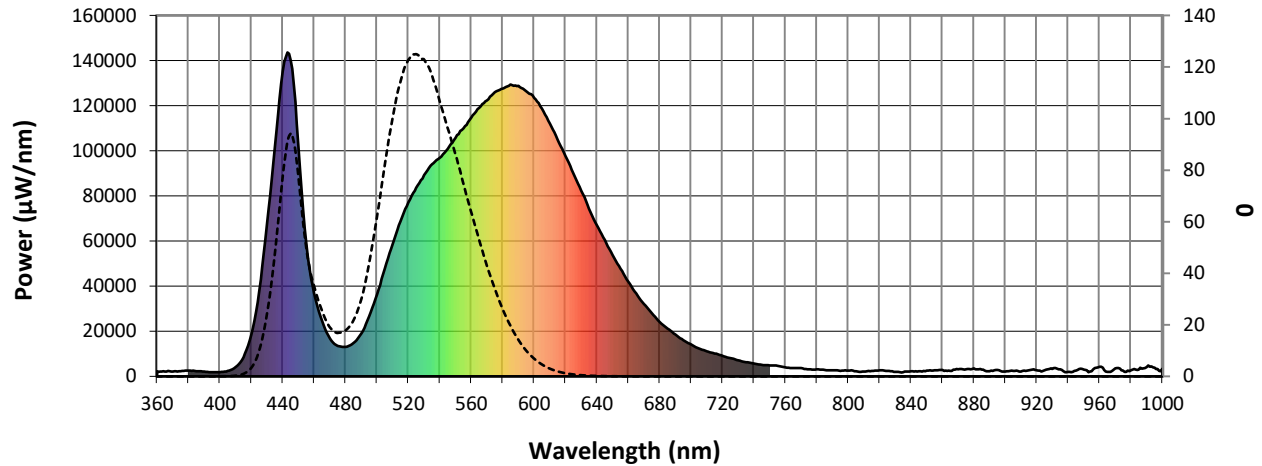
Scotopic Lumens: 10425.8

S/P: 1.47

| 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       | 2304             | 0.0              | 490       | 19043            | 29.3             | 620       | 97577            | 1.2              | 750       | 4830             | 0.0              | 880       | 3505             | 0.0              |
| 365       | 2150             | 0.0              | 495       | 26606            | 43.0             | 625       | 90158            | 0.8              | 755       | 4664             | 0.0              | 885       | 2991             | 0.0              |
| 370       | 2146             | 0.0              | 500       | 36376            | 60.8             | 630       | 82240            | 0.5              | 760       | 4006             | 0.0              | 890       | 2327             | 0.0              |
| 375       | 2332             | 0.0              | 505       | 47714            | 81.1             | 635       | 74361            | 0.3              | 765       | 3715             | 0.0              | 895       | 2775             | 0.0              |
| 380       | 2527             | 0.0              | 510       | 58741            | 99.6             | 640       | 66994            | 0.2              | 770       | 3696             | 0.0              | 900       | 2141             | 0.0              |
| 385       | 2304             | 0.0              | 515       | 68716            | 113.9            | 645       | 60405            | 0.1              | 775       | 3117             | 0.0              | 905       | 2421             | 0.0              |
| 390       | 2064             | 0.0              | 520       | 77136            | 122.6            | 650       | 53806            | 0.1              | 780       | 3062             | 0.0              | 910       | 2200             | 0.0              |
| 395       | 1856             | 0.0              | 525       | 83567            | 125.0            | 655       | 47610            | 0.0              | 785       | 2907             | 0.0              | 915       | 2716             | 0.0              |
| 400       | 1856             | 0.0              | 530       | 89283            | 123.1            | 660       | 42018            | 0.0              | 790       | 2655             | 0.0              | 920       | 2656             | 0.0              |
| 405       | 2374             | 0.1              | 535       | 94097            | 117.3            | 665       | 36742            | 0.0              | 795       | 2467             | 0.0              | 925       | 2671             | 0.0              |
| 410       | 4084             | 0.2              | 540       | 96845            | 107.0            | 670       | 32105            | 0.0              | 800       | 2609             | 0.0              | 930       | 3292             | 0.0              |
| 415       | 8543             | 0.9              | 545       | 100829           | 96.7             | 675       | 27946            | 0.0              | 805       | 2293             | 0.0              | 935       | 3188             | 0.0              |
| 420       | 18394            | 3.0              | 550       | 105648           | 86.4             | 680       | 24146            | 0.0              | 810       | 2188             | 0.0              | 940       | 1997             | 0.0              |
| 425       | 37987            | 9.3              | 555       | 110017           | 75.2             | 685       | 21191            | 0.0              | 815       | 2386             | 0.0              | 945       | 2623             | 0.0              |
| 430       | 67605            | 23.0             | 560       | 114586           | 64.0             | 690       | 18544            | 0.0              | 820       | 2712             | 0.0              | 950       | 2969             | 0.0              |
| 435       | 102160           | 45.7             | 565       | 118987           | 53.4             | 695       | 16058            | 0.0              | 825       | 2473             | 0.0              | 955       | 2277             | 0.0              |
| 440       | 135103           | 75.5             | 570       | 122326           | 43.2             | 700       | 14133            | 0.0              | 830       | 1969             | 0.0              | 960       | 4267             | 0.0              |
| 445       | 140126           | 93.8             | 575       | 125968           | 34.3             | 705       | 12309            | 0.0              | 835       | 1917             | 0.0              | 965       | 2034             | 0.0              |
| 450       | 102339           | 79.3             | 580       | 127613           | 26.3             | 710       | 11142            | 0.0              | 840       | 2248             | 0.0              | 970       | 3586             | 0.0              |
| 455       | 58751            | 51.3             | 585       | 129466           | 19.8             | 715       | 10143            | 0.0              | 845       | 2266             | 0.0              | 975       | 2505             | 0.0              |
| 460       | 36892            | 35.6             | 590       | 128813           | 14.3             | 720       | 9072             | 0.0              | 850       | 2558             | 0.0              | 980       | 2666             | 0.0              |
| 465       | 24637            | 26.0             | 595       | 126387           | 10.1             | 725       | 8130             | 0.0              | 855       | 2767             | 0.0              | 985       | 2934             | 0.0              |
| 470       | 16738            | 19.3             | 600       | 123477           | 7.0              | 730       | 7149             | 0.0              | 860       | 2826             | 0.0              | 990       | 4120             | 0.0              |
| 475       | 13456            | 16.8             | 605       | 118718           | 4.7              | 735       | 6311             | 0.0              | 865       | 2385             | 0.0              | 995       | 3858             | 0.0              |
| 480       | 13081            | 17.7             | 610       | 112091           | 3.0              | 740       | 5711             | 0.0              | 870       | 3194             | 0.0              | 1000      | 3405             | 0.0              |
| 485       | 14734            | 21.4             | 615       | 105039           | 1.9              | 745       | 5111             | 0.0              | 875       | 3189             | 0.0              |           |                  |                  |

REPORT NUMBER: SP1-2101-121-2

### Melanopic Flux vs. Wavelength



**Melanopic Lumens: 3927.2**      **M/P: 0.55**

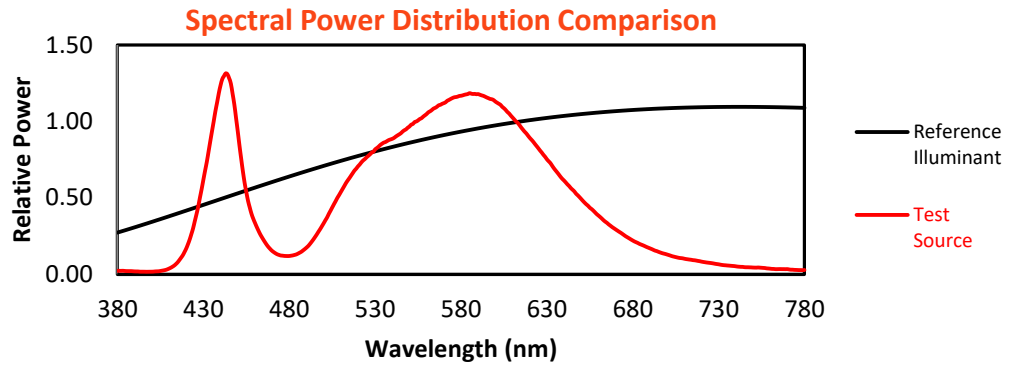
| λ<br>(nm) | Power<br>(μW/nm) | Lumens<br>(Φ/nm) | λ<br>(nm) | Power<br>(μW/nm) | Lumens<br>(Φ/nm) | λ<br>(nm) | Power<br>(μW/nm) | Lumens<br>(Φ/nm) | λ<br>(nm) | Power<br>(μW/nm) | Lumens<br>(Φ/nm) | λ<br>(nm) | Power<br>(μW/nm) | Lumens<br>(Φ/nm) |
|-----------|------------------|------------------|-----------|------------------|------------------|-----------|------------------|------------------|-----------|------------------|------------------|-----------|------------------|------------------|
| 360       | 2304             | 0.0              | 490       | 19043            | 15.8             | 620       | 97577            | 0.1              | 750       | 4830             | 0.0              | 880       | 3505             | 0.0              |
| 365       | 2150             | 0.0              | 495       | 26606            | 22.0             | 625       | 90158            | 0.0              | 755       | 4664             | 0.0              | 885       | 2991             | 0.0              |
| 370       | 2146             | 0.0              | 500       | 36376            | 29.2             | 630       | 82240            | 0.0              | 760       | 4006             | 0.0              | 890       | 2327             | 0.0              |
| 375       | 2332             | 0.0              | 505       | 47714            | 36.6             | 635       | 74361            | 0.0              | 765       | 3715             | 0.0              | 895       | 2775             | 0.0              |
| 380       | 2527             | 0.0              | 510       | 58741            | 42.2             | 640       | 66994            | 0.0              | 770       | 3696             | 0.0              | 900       | 2141             | 0.0              |
| 385       | 2304             | 0.0              | 515       | 68716            | 44.9             | 645       | 60405            | 0.0              | 775       | 3117             | 0.0              | 905       | 2421             | 0.0              |
| 390       | 2064             | 0.0              | 520       | 77136            | 44.9             | 650       | 53806            | 0.0              | 780       | 3062             | 0.0              | 910       | 2200             | 0.0              |
| 395       | 1856             | 0.0              | 525       | 83567            | 42.4             | 655       | 47610            | 0.0              | 785       | 2907             | 0.0              | 915       | 2716             | 0.0              |
| 400       | 1856             | 0.0              | 530       | 89283            | 38.6             | 660       | 42018            | 0.0              | 790       | 2655             | 0.0              | 920       | 2656             | 0.0              |
| 405       | 2374             | 0.0              | 535       | 94097            | 33.9             | 665       | 36742            | 0.0              | 795       | 2467             | 0.0              | 925       | 2671             | 0.0              |
| 410       | 4084             | 0.2              | 540       | 96845            | 28.3             | 670       | 32105            | 0.0              | 800       | 2609             | 0.0              | 930       | 3292             | 0.0              |
| 415       | 8543             | 0.6              | 545       | 100829           | 23.4             | 675       | 27946            | 0.0              | 805       | 2293             | 0.0              | 935       | 3188             | 0.0              |
| 420       | 18394            | 2.1              | 550       | 105648           | 19.0             | 680       | 24146            | 0.0              | 810       | 2188             | 0.0              | 940       | 1997             | 0.0              |
| 425       | 37987            | 5.9              | 555       | 110017           | 14.8             | 685       | 21191            | 0.0              | 815       | 2386             | 0.0              | 945       | 2623             | 0.0              |
| 430       | 67605            | 14.3             | 560       | 114586           | 11.3             | 690       | 18544            | 0.0              | 820       | 2712             | 0.0              | 950       | 2969             | 0.0              |
| 435       | 102160           | 27.3             | 565       | 118987           | 8.4              | 695       | 16058            | 0.0              | 825       | 2473             | 0.0              | 955       | 2277             | 0.0              |
| 440       | 135103           | 45.1             | 570       | 122326           | 6.0              | 700       | 14133            | 0.0              | 830       | 1969             | 0.0              | 960       | 4267             | 0.0              |
| 445       | 140126           | 55.3             | 575       | 125968           | 4.2              | 705       | 12309            | 0.0              | 835       | 1917             | 0.0              | 965       | 2034             | 0.0              |
| 450       | 102339           | 47.2             | 580       | 127613           | 2.9              | 710       | 11142            | 0.0              | 840       | 2248             | 0.0              | 970       | 3586             | 0.0              |
| 455       | 58751            | 30.8             | 585       | 129466           | 1.9              | 715       | 10143            | 0.0              | 845       | 2266             | 0.0              | 975       | 2505             | 0.0              |
| 460       | 36892            | 21.7             | 590       | 128813           | 1.3              | 720       | 9072             | 0.0              | 850       | 2558             | 0.0              | 980       | 2666             | 0.0              |
| 465       | 24637            | 16.1             | 595       | 126387           | 0.8              | 725       | 8130             | 0.0              | 855       | 2767             | 0.0              | 985       | 2934             | 0.0              |
| 470       | 16738            | 12.0             | 600       | 123477           | 0.5              | 730       | 7149             | 0.0              | 860       | 2826             | 0.0              | 990       | 4120             | 0.0              |
| 475       | 13456            | 10.3             | 605       | 118718           | 0.3              | 735       | 6311             | 0.0              | 865       | 2385             | 0.0              | 995       | 3858             | 0.0              |
| 480       | 13081            | 10.5             | 610       | 112091           | 0.2              | 740       | 5711             | 0.0              | 870       | 3194             | 0.0              | 1000      | 3405             | 0.0              |
| 485       | 14734            | 12.1             | 615       | 105039           | 0.1              | 745       | 5111             | 0.0              | 875       | 3189             | 0.0              |           |                  |                  |

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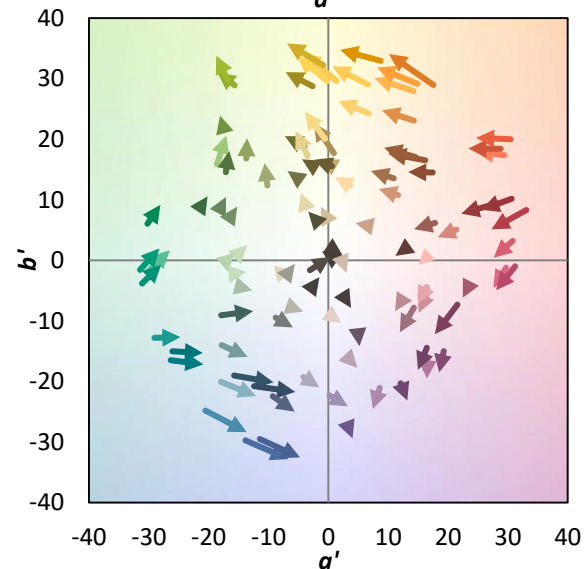
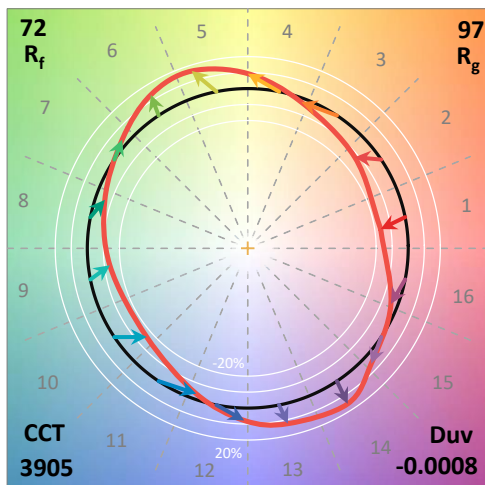
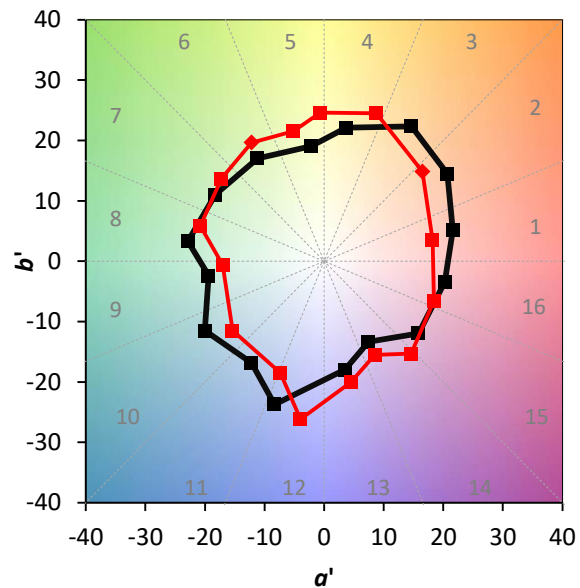
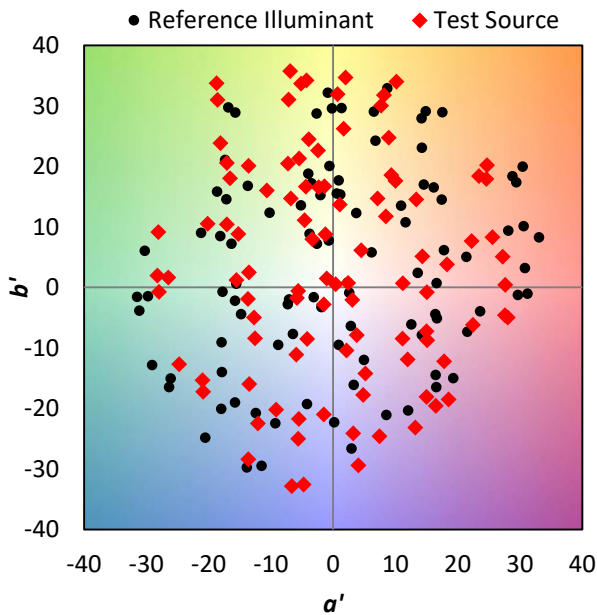
TM-30-18

### Summary

$R_f = 71.7$   
 $R_g = 96.9$   
 CIE  $R_a = 71.2$   
 $R_g = -29.7$

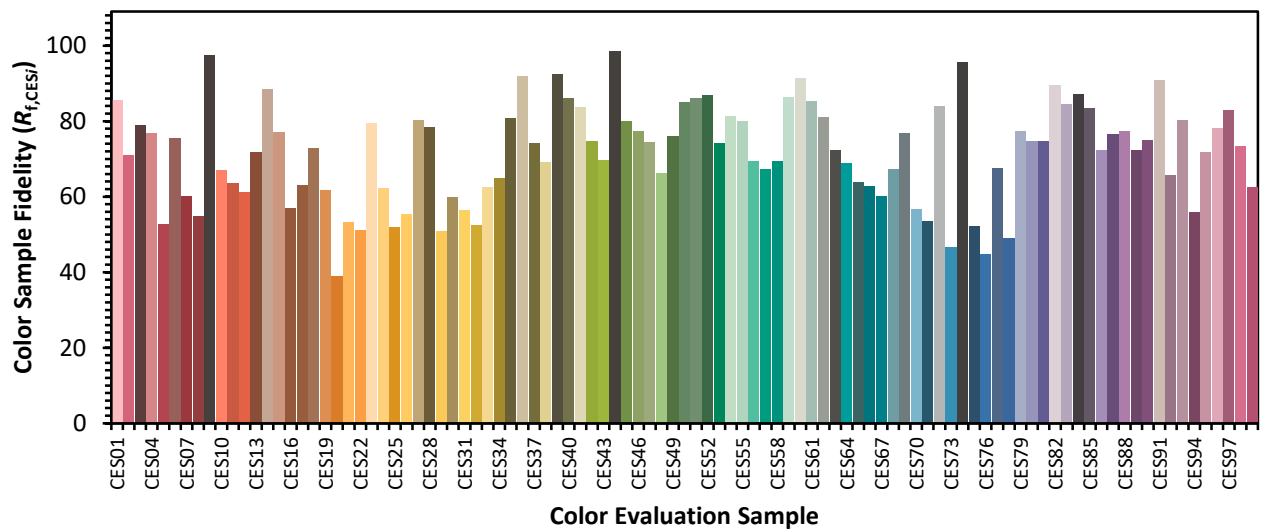


### Color Vector Graphics

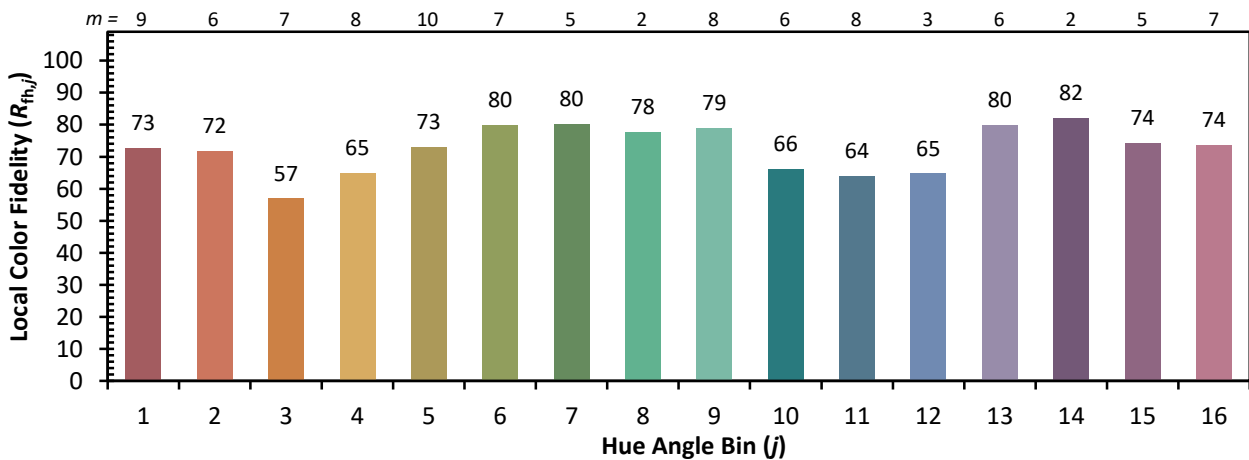
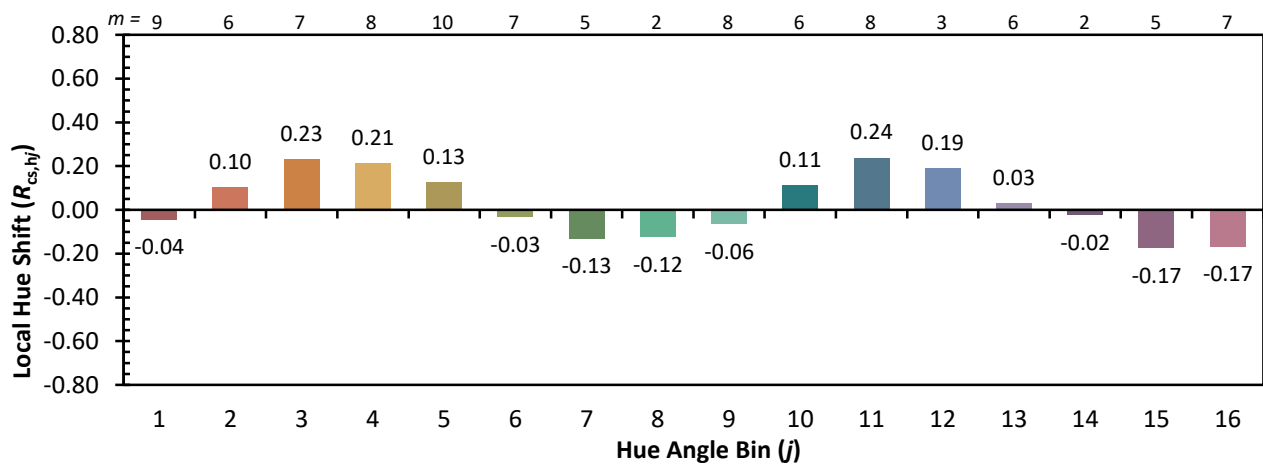
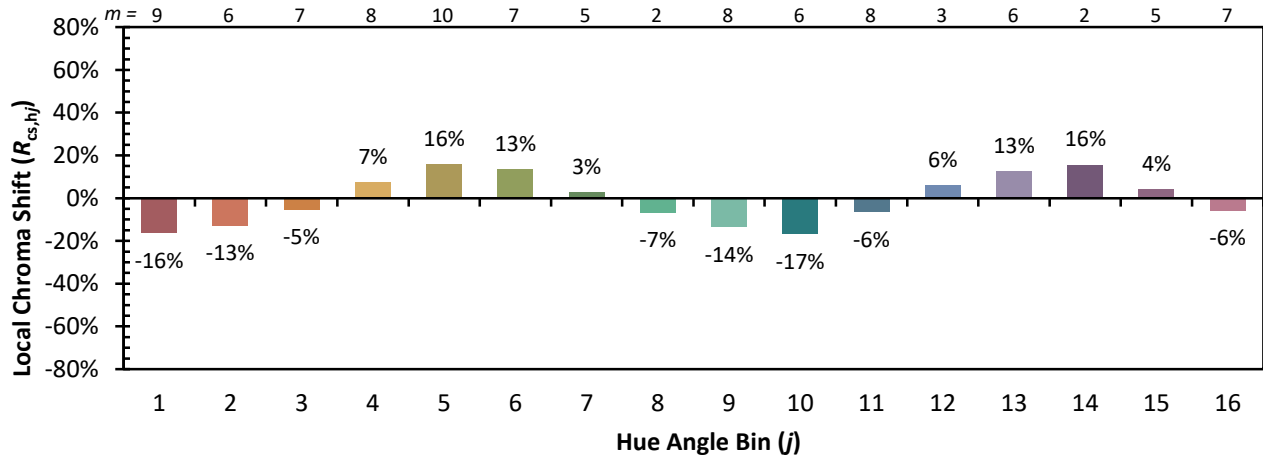


**Individual Sample Fidelity Index ( $R_{f,i}$ )**

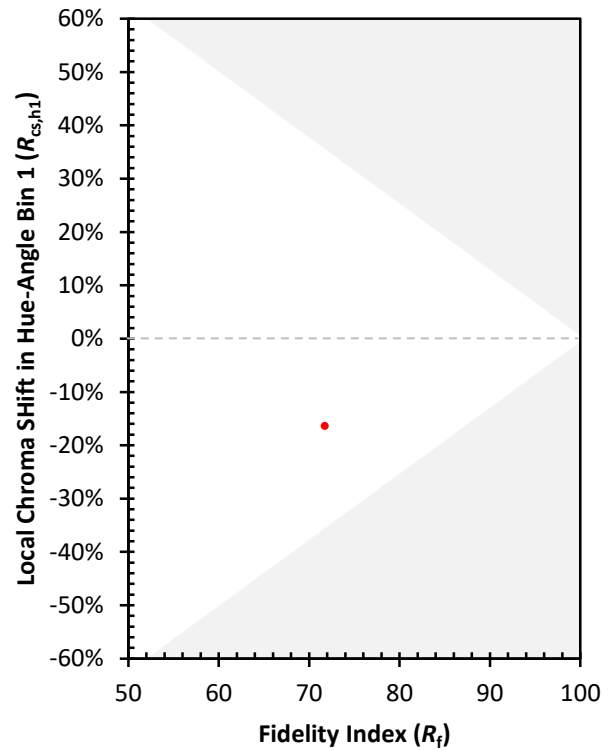
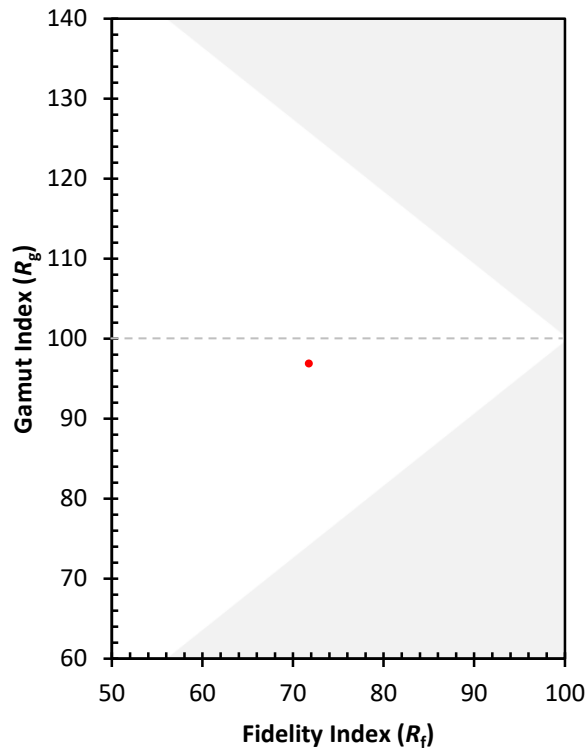
|            |            |            |            |
|------------|------------|------------|------------|
| CES01 = 85 | CES26 = 55 | CES51 = 86 | CES76 = 45 |
| CES02 = 61 | CES27 = 80 | CES52 = 87 | CES77 = 68 |
| CES03 = 30 | CES28 = 79 | CES53 = 74 | CES78 = 49 |
| CES04 = 70 | CES29 = 51 | CES54 = 81 | CES79 = 77 |
| CES05 = 47 | CES30 = 60 | CES55 = 80 | CES80 = 75 |
| CES06 = 50 | CES31 = 56 | CES56 = 69 | CES81 = 75 |
| CES07 = 40 | CES32 = 52 | CES57 = 67 | CES82 = 90 |
| CES08 = 39 | CES33 = 62 | CES58 = 69 | CES83 = 85 |
| CES09 = 29 | CES34 = 65 | CES59 = 86 | CES84 = 87 |
| CES10 = 74 | CES35 = 81 | CES60 = 91 | CES85 = 83 |
| CES11 = 57 | CES36 = 92 | CES61 = 85 | CES86 = 72 |
| CES12 = 63 | CES37 = 74 | CES62 = 81 | CES87 = 77 |
| CES13 = 42 | CES38 = 69 | CES63 = 72 | CES88 = 77 |
| CES14 = 74 | CES39 = 92 | CES64 = 69 | CES89 = 72 |
| CES15 = 71 | CES40 = 86 | CES65 = 64 | CES90 = 75 |
| CES16 = 46 | CES41 = 84 | CES66 = 63 | CES91 = 91 |
| CES17 = 49 | CES42 = 75 | CES67 = 60 | CES92 = 66 |
| CES18 = 56 | CES43 = 70 | CES68 = 67 | CES93 = 80 |
| CES19 = 72 | CES44 = 98 | CES69 = 77 | CES94 = 56 |
| CES20 = 65 | CES45 = 80 | CES70 = 57 | CES95 = 72 |
| CES21 = 86 | CES46 = 77 | CES71 = 53 | CES96 = 78 |
| CES22 = 78 | CES47 = 74 | CES72 = 84 | CES97 = 83 |
| CES23 = 92 | CES48 = 66 | CES73 = 47 | CES98 = 73 |
| CES24 = 91 | CES49 = 76 | CES74 = 96 | CES99 = 63 |
| CES25 = 72 | CES50 = 85 | CES75 = 52 |            |



Color Rendition by Hue-Angle Bin



**Measure Comparisons**



(END OF REPORT)