

Signify Classified - Internal
Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269



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: **GPC-SA2D-735-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: GPC-SA2D-735-U-SLL
Description: GALLEON PEDESTRIAN LUMINAIRE
(2) 70 CRI, 3500K, 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: 13368.5 lumens
Efficiency: N/A
Efficacy: 103.6 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B2 - U0 - G3

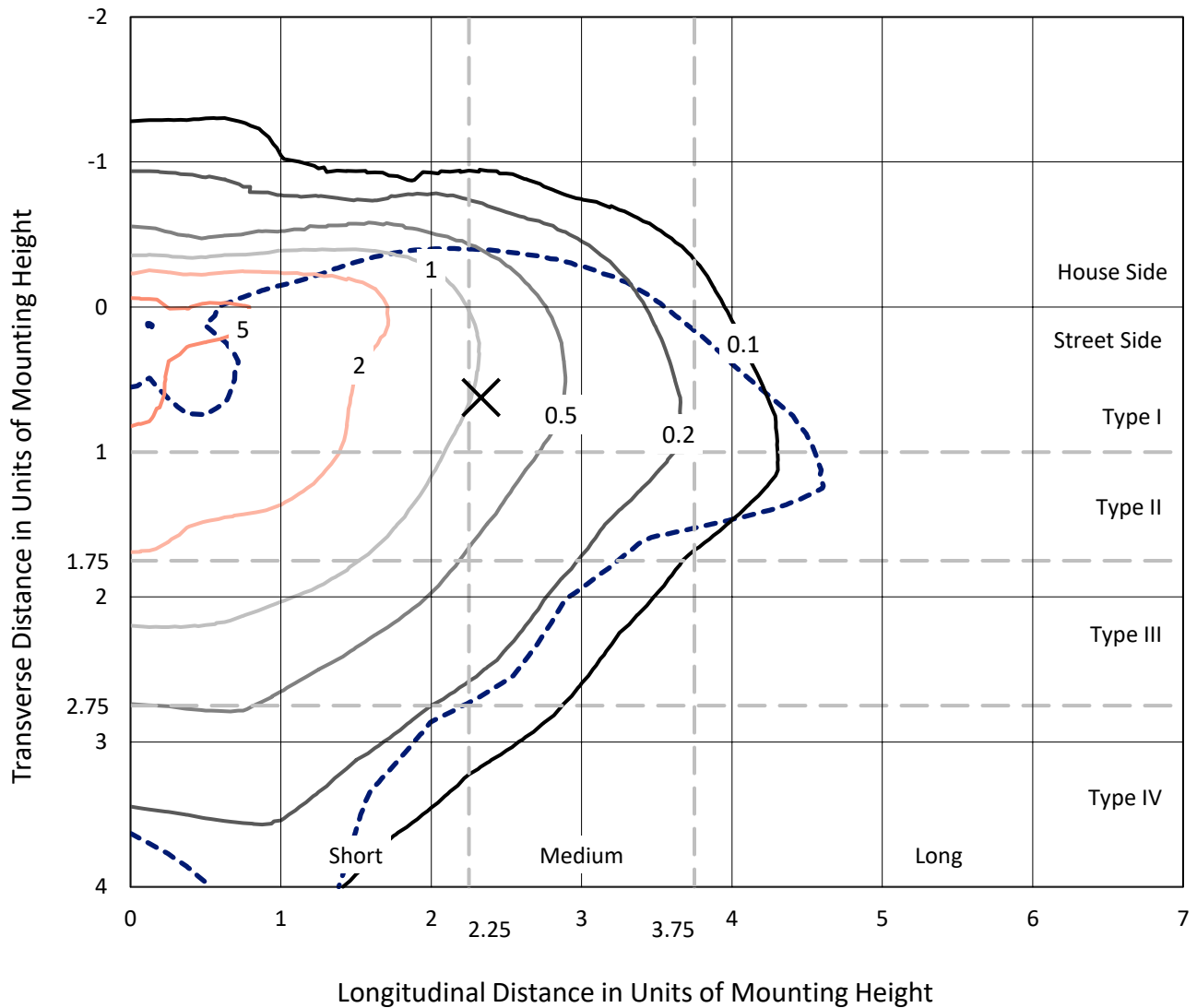
Input Watts (W): 129
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P387063
 CATALOG NUMBER: GPC-SA2D-735-U-SLL

Iso-Footcandle Lines of Horizontal Illumination

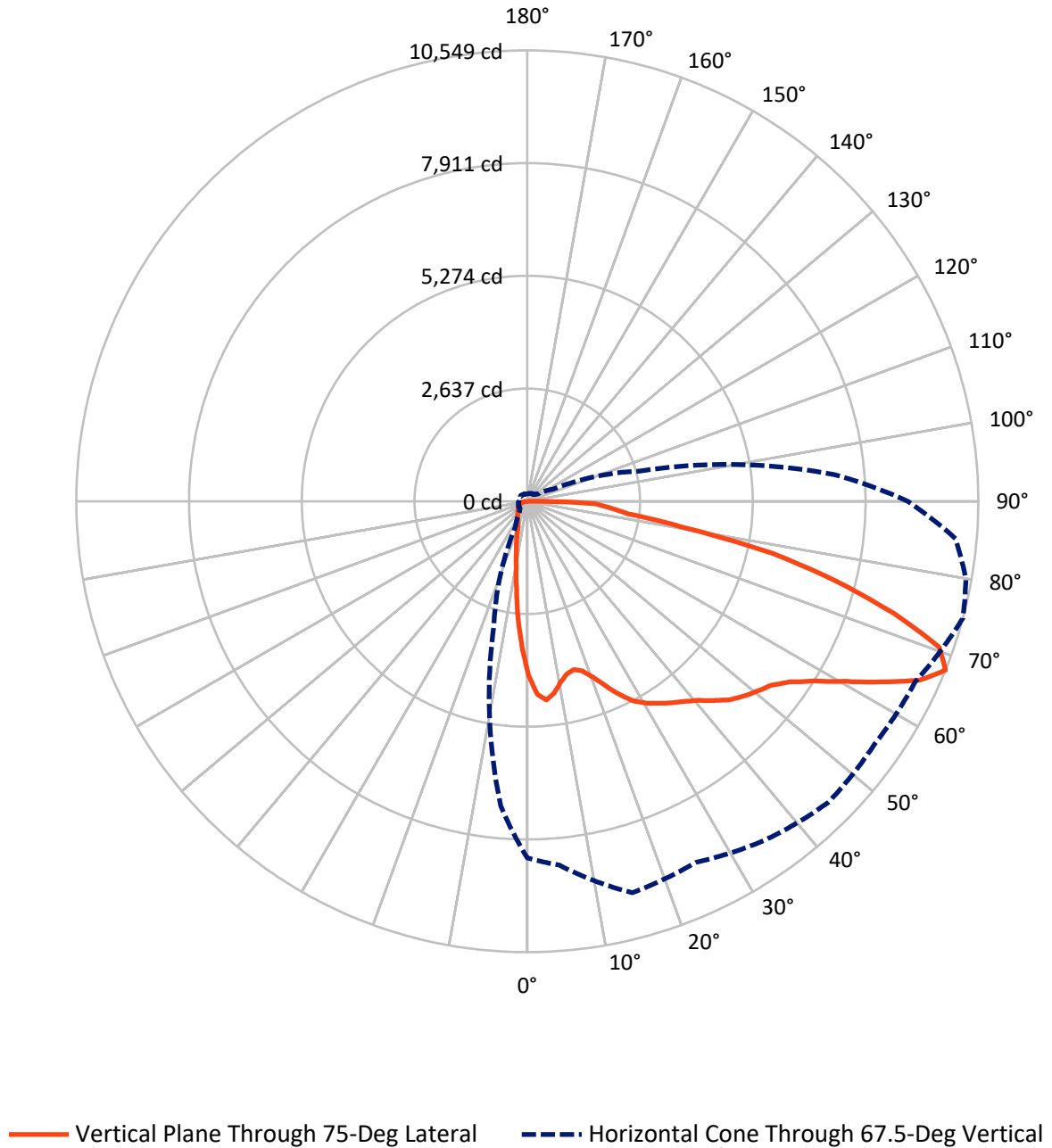
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 8.2 fc
 Type III - Medium - N/A

REPORT NUMBER: P387063
CATALOG NUMBER: GPC-SA2D-735-U-SLL

Luminous Intensity Polar Plot



REPORT NUMBER: P387063
 CATALOG NUMBER: GPC-SA2D-735-U-SLL

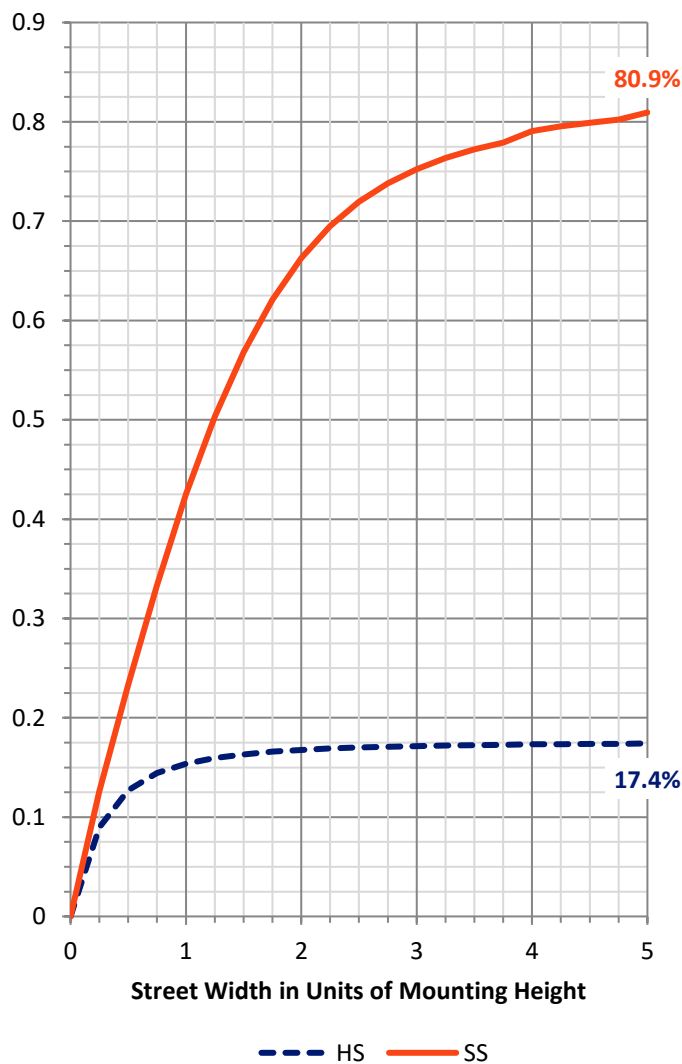
FLUX DISTRIBUTION:

| | | Downward | Upward | Total |
|--------------------|-----------|----------|--------|---------|
| House Side | Lumens | 2354.5 | 0.0 | 2354.5 |
| | % Fixture | 17.6 | 0.0 | 17.6 |
| Street Side | Lumens | 11014.0 | 0.0 | 11014.0 |
| | % Fixture | 82.4 | 0.0 | 82.4 |
| Total | Lumens | 13368.5 | 0.0 | 13368.5 |
| | % Fixture | 100.0 | 0.0 | 100.0 |

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|---------|-----------|
| 0°-10° | 314.3 | 2.4 |
| 10°-20° | 653.0 | 4.9 |
| 20°-30° | 928.7 | 6.9 |
| 30°-40° | 1338.2 | 10.0 |
| 40°-50° | 1886.0 | 14.1 |
| 50°-60° | 2621.8 | 19.6 |
| 60°-70° | 3170.5 | 23.7 |
| 70°-80° | 1948.9 | 14.6 |
| 80°-90° | 507.1 | 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° | 13368.5 | 100.0 |
| 0°-180° | 13368.5 | 100.0 |

Coefficient of Utilization



REPORT NUMBER: P387063

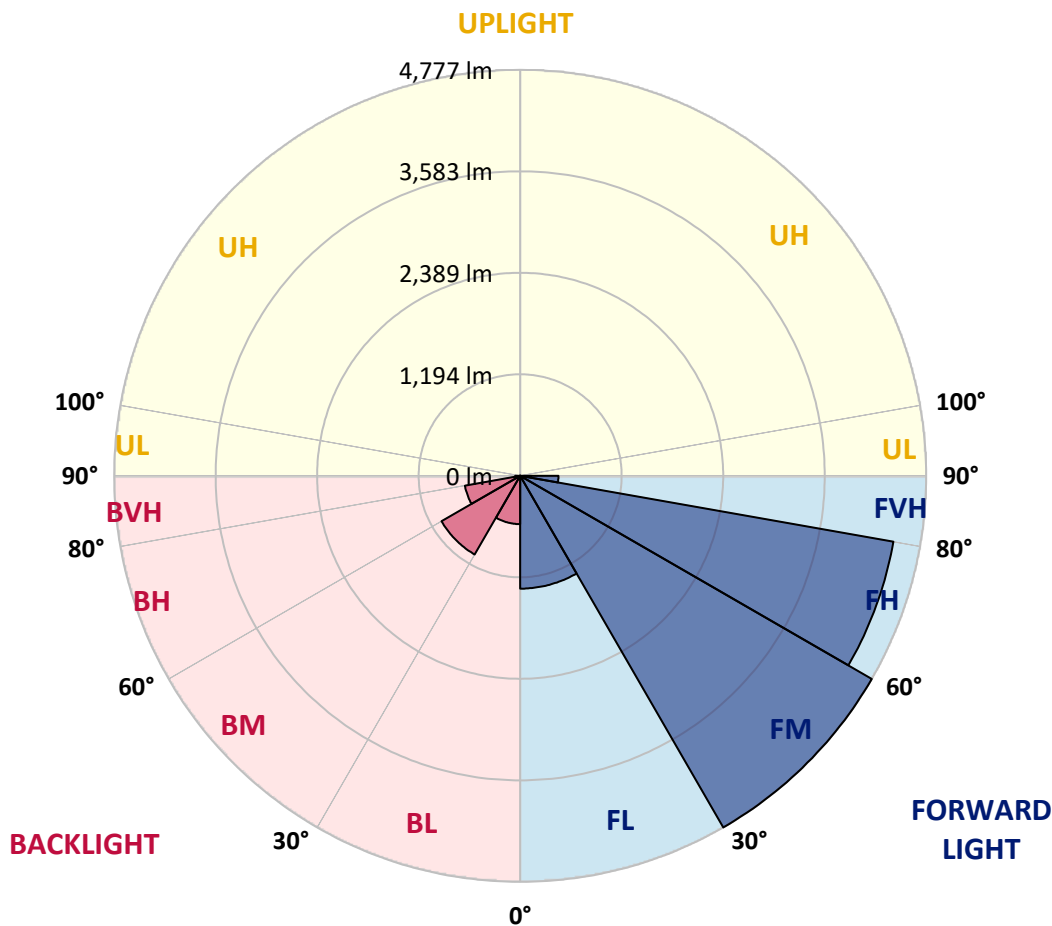
CATALOG NUMBER: GPC-SA2D-735-U-SLL

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

| Zone | Lumens | % Fixture | Zone Rating/Lumen Limit | | |
|----------------|--------|-----------|-------------------------|------|---------|
| | | | B | U | G |
| FL (0°-30°) | 1327.4 | 9.9 | | | |
| FM (30°-60°) | 4777.2 | 35.7 | | | |
| FH (60°-80°) | 4459.3 | 33.4 | | | G2/5000 |
| FVH (80°-90°) | 450.1 | 3.4 | | | G3/500 |
| BL (0°-30°) | 568.6 | 4.3 | B2/1000 | | |
| BM (30°-60°) | 1068.8 | 8.0 | B2/2500 | | |
| BH (60°-80°) | 660.1 | 4.9 | B2/1000 | | G2/1000 |
| BVH (80°-90°) | 57.0 | 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





REPORT NUMBER: P387063

CATALOG NUMBER: GPC-SA2D-735-U-SLL

CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 10° | 15° | 20° | 25° | 30° | 35° | 40° | 45° | 50° |
|--------|--------|--------|--------|--------|--------|--------|--------|---------|---------|---------|---------|
| 0° | 4072.7 | 4072.7 | 4072.7 | 4072.7 | 4072.7 | 4072.7 | 4072.7 | 4072.7 | 4072.7 | 4072.7 | 4072.7 |
| 2.5° | 4341.1 | 4398.2 | 4437.8 | 4476.9 | 4507.3 | 4537.3 | 4581.0 | 4624.9 | 4633.5 | 4641.5 | 4624.4 |
| 5° | 4315.5 | 4455.0 | 4573.6 | 4691.7 | 4801.2 | 4910.9 | 4976.6 | 5042.3 | 5055.7 | 5069.1 | 5027.9 |
| 7.5° | 4039.1 | 4244.8 | 4450.7 | 4656.5 | 4845.1 | 5033.7 | 5148.7 | 5263.0 | 5289.3 | 5314.9 | 5247.5 |
| 10° | 3724.8 | 3964.2 | 4217.1 | 4469.9 | 4718.5 | 4967.0 | 5133.2 | 5299.4 | 5332.6 | 5365.7 | 5281.7 |
| 12.5° | 3485.9 | 3747.2 | 4017.2 | 4287.1 | 4549.6 | 4811.5 | 4983.6 | 5155.7 | 5196.8 | 5238.0 | 5177.0 |
| 15° | 3394.0 | 3680.5 | 3934.4 | 4188.2 | 4417.0 | 4645.2 | 4786.3 | 4926.9 | 4944.0 | 4960.6 | 4951.0 |
| 17.5° | 3485.9 | 3801.8 | 4031.6 | 4260.9 | 4385.5 | 4509.5 | 4566.1 | 4622.2 | 4641.0 | 4659.1 | 4683.7 |
| 20° | 3754.8 | 4095.8 | 4257.7 | 4419.1 | 4413.7 | 4407.9 | 4380.7 | 4352.9 | 4348.1 | 4343.2 | 4412.7 |
| 22.5° | 4138.5 | 4534.5 | 4599.3 | 4663.4 | 4513.2 | 4363.0 | 4271.6 | 4179.6 | 4161.5 | 4142.8 | 4216.6 |
| 25° | 4589.1 | 5010.8 | 4999.1 | 4986.8 | 4700.8 | 4414.3 | 4240.0 | 4065.8 | 4045.5 | 4025.2 | 4088.2 |
| 27.5° | 5079.2 | 5482.2 | 5405.3 | 5328.2 | 4939.7 | 4551.2 | 4298.3 | 4045.5 | 4025.2 | 4004.9 | 4060.5 |
| 30° | 5462.5 | 5828.0 | 5704.6 | 5581.1 | 5141.2 | 4701.3 | 4401.0 | 4100.5 | 4067.5 | 4033.8 | 4102.1 |
| 32.5° | 5786.9 | 6098.0 | 5932.3 | 5766.6 | 5304.8 | 4843.0 | 4518.0 | 4193.1 | 4141.2 | 4089.4 | 4180.8 |
| 35° | 6124.7 | 6367.3 | 6134.3 | 5900.7 | 5450.6 | 5000.1 | 4656.5 | 4312.2 | 4248.6 | 4185.0 | 4310.6 |
| 37.5° | 6504.6 | 6706.1 | 6371.6 | 6036.5 | 5614.8 | 5193.1 | 4863.8 | 4534.1 | 4468.8 | 4403.6 | 4564.0 |
| 40° | 6906.0 | 7073.9 | 6627.6 | 6181.3 | 5794.4 | 5407.4 | 5150.9 | 4893.8 | 4831.8 | 4769.2 | 4963.8 |
| 42.5° | 7257.3 | 7379.6 | 6866.0 | 6352.4 | 6010.8 | 5668.8 | 5488.1 | 5306.9 | 5306.4 | 5305.3 | 5502.5 |
| 45° | 7521.8 | 7628.2 | 7064.8 | 6501.0 | 6222.0 | 5942.4 | 5848.4 | 5754.3 | 5829.6 | 5905.0 | 6083.5 |
| 47.5° | 7741.5 | 7813.7 | 7231.5 | 6649.0 | 6463.5 | 6278.1 | 6292.0 | 6305.9 | 6459.3 | 6612.7 | 6727.6 |
| 50° | 7992.7 | 7934.4 | 7382.9 | 6830.7 | 6773.5 | 6716.4 | 6841.4 | 6966.0 | 7142.3 | 7318.2 | 7396.2 |
| 52.5° | 8264.8 | 8110.3 | 7588.0 | 7065.4 | 7129.5 | 7193.6 | 7448.1 | 7702.5 | 7880.5 | 8058.4 | 8087.8 |
| 55° | 8753.8 | 8517.0 | 7965.4 | 7413.3 | 7536.8 | 7659.7 | 8033.3 | 8406.4 | 8545.4 | 8684.3 | 8695.0 |
| 57.5° | 9304.9 | 9094.8 | 8494.0 | 7893.3 | 8025.8 | 8158.4 | 8589.7 | 9020.5 | 9170.7 | 9320.4 | 9299.5 |
| 60° | 9517.1 | 9527.2 | 8995.9 | 8464.1 | 8597.7 | 8731.4 | 9151.5 | 9571.6 | 9744.2 | 9916.3 | 9870.3 |
| 62.5° | 9303.3 | 9553.9 | 9270.1 | 8985.8 | 9107.1 | 9227.9 | 9639.4 | 10051.0 | 10227.9 | 10404.8 | 10324.7 |
| 65° | 8880.5 | 9129.0 | 9256.2 | 9383.4 | 9423.5 | 9463.6 | 9847.9 | 10231.7 | 10367.4 | 10502.6 | 10462.0 |
| 67.5° | 8342.8 | 8543.8 | 9013.0 | 9481.8 | 9401.1 | 9320.4 | 9500.5 | 9680.6 | 9820.1 | 9959.6 | 9936.6 |
| 70° | 7720.1 | 7959.6 | 8585.4 | 9211.3 | 8814.7 | 8417.6 | 8343.3 | 8269.0 | 8419.8 | 8569.9 | 8476.9 |
| 72.5° | 6603.6 | 6964.9 | 7632.5 | 8299.5 | 7568.9 | 6838.2 | 6584.3 | 6330.5 | 6521.3 | 6712.1 | 6564.0 |
| 75° | 4987.8 | 5467.3 | 6204.9 | 6941.9 | 6070.2 | 5198.4 | 4859.6 | 4520.6 | 4684.8 | 4848.9 | 4747.3 |
| 77.5° | 3468.8 | 4070.1 | 4796.5 | 5522.9 | 4636.7 | 3750.0 | 3498.2 | 3245.9 | 3295.1 | 3343.8 | 3326.7 |
| 80° | 2365.1 | 2760.6 | 3267.3 | 3773.5 | 3183.4 | 2593.3 | 2613.1 | 2632.4 | 2609.4 | 2585.9 | 2620.1 |
| 82.5° | 1483.2 | 1761.6 | 2152.9 | 2543.6 | 2230.4 | 1917.2 | 2096.8 | 2276.3 | 2188.2 | 2099.5 | 2132.6 |
| 85° | 835.4 | 1005.3 | 1388.0 | 1770.2 | 1650.0 | 1529.1 | 1634.5 | 1739.2 | 1602.4 | 1465.5 | 1526.0 |
| 87.5° | 159.3 | 265.1 | 768.0 | 1270.4 | 1153.4 | 1036.3 | 900.6 | 764.9 | 583.6 | 402.4 | 588.0 |
| 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: P387063
 CATALOG NUMBER: GPC-SA2D-735-U-SLL

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 |



REPORT NUMBER: P387063

CATALOG NUMBER: GPC-SA2D-735-U-SLL

CANDELA DISTRIBUTION (continued):

| | 55° | 60° | 65° | 70° | 75° | 80° | 85° | 90° | 95° | 100° | 105° |
|--------|---------|---------|---------|---------|---------|---------|---------|--------|--------|--------|--------|
| 0° | 4072.7 | 4072.7 | 4072.7 | 4072.7 | 4072.7 | 4072.7 | 4072.7 | 4072.7 | 4072.7 | 4072.7 | 4072.7 |
| 2.5° | 4607.3 | 4598.1 | 4589.1 | 4556.5 | 4523.4 | 4474.1 | 4433.6 | 4363.0 | 4324.5 | 4266.3 | 4208.0 |
| 5° | 4986.2 | 4928.5 | 4870.8 | 4771.4 | 4671.4 | 4560.2 | 4432.5 | 4290.9 | 4184.0 | 4045.0 | 3906.0 |
| 7.5° | 5180.2 | 5045.6 | 4910.3 | 4719.5 | 4528.2 | 4356.1 | 4154.0 | 3965.8 | 3805.6 | 3624.8 | 3444.2 |
| 10° | 5197.9 | 4995.8 | 4793.3 | 4545.3 | 4296.7 | 4087.8 | 3855.3 | 3646.3 | 3453.9 | 3246.5 | 3038.6 |
| 12.5° | 5115.6 | 4900.7 | 4685.3 | 4412.1 | 4138.5 | 3901.2 | 3651.0 | 3417.0 | 3203.7 | 2975.4 | 2746.7 |
| 15° | 4941.3 | 4769.8 | 4597.7 | 4341.6 | 4085.6 | 3846.2 | 3603.5 | 3326.1 | 3085.1 | 2851.4 | 2617.3 |
| 17.5° | 4707.8 | 4626.5 | 4544.7 | 4359.8 | 4174.3 | 3967.0 | 3731.7 | 3406.2 | 3124.0 | 2870.2 | 2616.3 |
| 20° | 4481.7 | 4511.6 | 4541.0 | 4467.2 | 4393.5 | 4227.3 | 4022.0 | 3656.4 | 3296.1 | 2964.3 | 2631.8 |
| 22.5° | 4289.7 | 4433.6 | 4576.8 | 4634.0 | 4690.7 | 4590.7 | 4430.4 | 4007.5 | 3530.8 | 3097.4 | 2663.8 |
| 25° | 4150.8 | 4389.2 | 4627.5 | 4817.9 | 5007.6 | 4963.2 | 4839.8 | 4434.1 | 3841.8 | 3289.2 | 2736.1 |
| 27.5° | 4116.0 | 4408.5 | 4700.8 | 4995.8 | 5290.4 | 5331.5 | 5297.2 | 4883.6 | 4212.8 | 3527.6 | 2841.9 |
| 30° | 4170.6 | 4466.7 | 4762.3 | 5121.5 | 5480.0 | 5644.2 | 5690.1 | 5258.3 | 4636.7 | 3805.6 | 2973.8 |
| 32.5° | 4272.2 | 4562.4 | 4852.6 | 5243.9 | 5634.6 | 5882.6 | 6029.0 | 5600.9 | 4932.2 | 4015.1 | 3097.4 |
| 35° | 4436.2 | 4707.8 | 4979.3 | 5386.6 | 5793.8 | 6114.5 | 6381.8 | 5954.7 | 5194.7 | 4161.5 | 3127.8 |
| 37.5° | 4723.7 | 4957.4 | 5190.9 | 5567.2 | 5943.0 | 6358.8 | 6760.2 | 6344.4 | 5478.5 | 4302.6 | 3126.2 |
| 40° | 5158.3 | 5323.5 | 5488.1 | 5806.1 | 6123.6 | 6646.9 | 7188.8 | 6778.9 | 5792.2 | 4455.5 | 3118.7 |
| 42.5° | 5699.8 | 5784.7 | 5869.1 | 6120.9 | 6372.7 | 6947.8 | 7577.9 | 7203.8 | 6091.5 | 4597.7 | 3103.8 |
| 45° | 6261.5 | 6284.0 | 6306.4 | 6465.1 | 6623.4 | 7186.2 | 7843.0 | 7522.9 | 6352.9 | 4721.1 | 3088.8 |
| 47.5° | 6842.0 | 6765.0 | 6688.0 | 6751.0 | 6814.2 | 7369.0 | 8032.3 | 7765.0 | 6615.3 | 4858.0 | 3100.0 |
| 50° | 7474.3 | 7259.9 | 7045.5 | 7012.5 | 6979.3 | 7551.8 | 8255.1 | 8072.9 | 6930.7 | 5057.3 | 3183.9 |
| 52.5° | 8116.7 | 7763.4 | 7410.1 | 7279.2 | 7147.7 | 7769.8 | 8550.7 | 8456.1 | 7380.7 | 5366.2 | 3351.2 |
| 55° | 8705.7 | 8256.2 | 7806.7 | 7630.3 | 7453.9 | 8103.3 | 8911.5 | 9018.9 | 7957.4 | 5761.2 | 3564.5 |
| 57.5° | 9278.1 | 8768.8 | 8259.4 | 8095.9 | 7932.3 | 8593.5 | 9368.5 | 9524.0 | 8540.0 | 6140.2 | 3739.8 |
| 60° | 9824.4 | 9320.4 | 8815.8 | 8684.9 | 8553.4 | 9202.8 | 9862.3 | 9749.0 | 8840.4 | 6317.6 | 3794.3 |
| 62.5° | 10244.5 | 9843.6 | 9442.8 | 9373.8 | 9304.3 | 9819.0 | 10241.8 | 9661.4 | 8649.6 | 6142.9 | 3636.1 |
| 65° | 10421.4 | 10193.2 | 9964.4 | 10029.1 | 10093.2 | 10285.1 | 10336.4 | 9404.8 | 8049.9 | 5653.3 | 3256.6 |
| 67.5° | 9913.1 | 9959.6 | 10006.1 | 10277.6 | 10548.6 | 10416.6 | 10055.3 | 8899.2 | 7196.3 | 4959.5 | 2722.6 |
| 70° | 8383.4 | 8662.4 | 8940.9 | 9583.3 | 10225.2 | 9932.3 | 9302.2 | 7991.6 | 6169.0 | 4160.5 | 2151.3 |
| 72.5° | 6415.4 | 6729.2 | 7042.4 | 7995.9 | 8948.9 | 8679.0 | 7907.2 | 6564.0 | 4946.1 | 3322.4 | 1698.0 |
| 75° | 4645.2 | 4999.5 | 5353.4 | 6405.3 | 7457.2 | 7082.5 | 5914.6 | 4699.7 | 3756.9 | 2536.2 | 1314.9 |
| 77.5° | 3309.0 | 3546.3 | 3783.6 | 4822.7 | 5861.2 | 5250.7 | 3937.0 | 3162.6 | 2600.2 | 1762.8 | 924.6 |
| 80° | 2654.3 | 2581.5 | 2508.8 | 3087.7 | 3666.5 | 3565.0 | 2604.0 | 2031.1 | 1799.6 | 1181.2 | 562.8 |
| 82.5° | 2165.2 | 1987.8 | 1810.3 | 2082.9 | 2355.4 | 2340.5 | 1807.1 | 1490.2 | 1339.4 | 820.9 | 302.5 |
| 85° | 1585.8 | 1514.8 | 1443.7 | 1684.7 | 1925.8 | 1719.9 | 1223.9 | 947.1 | 1044.4 | 604.5 | 164.6 |
| 87.5° | 773.4 | 883.5 | 993.0 | 1277.4 | 1561.3 | 1172.1 | 371.4 | 183.8 | 254.4 | 167.3 | 79.7 |
| 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: GPC-SA2D-735-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: GPC-SA2D-735-U-SLL

CANDELA DISTRIBUTION (continued):

| | 110° | 115° | 120° | 125° | 130° | 135° | 140° | 145° | 150° | 155° | 160° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 4072.7 | 4072.7 | 4072.7 | 4072.7 | 4072.7 | 4072.7 | 4072.7 | 4072.7 | 4072.7 | 4072.7 | 4072.7 |
| 2.5° | 4164.7 | 4120.8 | 4071.1 | 4021.5 | 3964.8 | 3907.6 | 3874.0 | 3839.8 | 3802.9 | 3766.0 | 3724.3 |
| 5° | 3814.1 | 3722.2 | 3617.9 | 3513.7 | 3410.6 | 3307.4 | 3251.8 | 3196.2 | 3137.4 | 3078.1 | 3026.8 |
| 7.5° | 3310.6 | 3176.5 | 3032.2 | 2887.3 | 2759.0 | 2630.2 | 2550.5 | 2470.4 | 2397.7 | 2324.4 | 2263.0 |
| 10° | 2867.5 | 2696.4 | 2551.7 | 2406.3 | 2309.5 | 2212.7 | 2139.6 | 2066.3 | 1995.7 | 1924.7 | 1856.8 |
| 12.5° | 2575.7 | 2404.7 | 2312.7 | 2220.8 | 2140.6 | 2060.5 | 1976.0 | 1891.0 | 1794.2 | 1697.0 | 1625.9 |
| 15° | 2461.9 | 2306.3 | 2204.2 | 2101.6 | 1994.1 | 1886.2 | 1782.5 | 1678.8 | 1564.5 | 1450.0 | 1369.4 |
| 17.5° | 2412.6 | 2209.0 | 2066.3 | 1923.0 | 1781.5 | 1639.8 | 1519.6 | 1399.3 | 1274.2 | 1149.2 | 1067.3 |
| 20° | 2360.8 | 2089.9 | 1898.5 | 1706.6 | 1524.9 | 1343.1 | 1206.8 | 1070.5 | 958.8 | 847.1 | 784.6 |
| 22.5° | 2313.8 | 1963.1 | 1723.2 | 1482.6 | 1267.8 | 1053.0 | 919.3 | 785.1 | 716.8 | 648.4 | 623.2 |
| 25° | 2294.6 | 1852.5 | 1557.5 | 1262.5 | 1035.9 | 808.6 | 713.6 | 618.4 | 592.2 | 565.5 | 552.6 |
| 27.5° | 2297.8 | 1753.7 | 1418.0 | 1081.8 | 877.6 | 673.5 | 608.3 | 543.1 | 527.0 | 510.5 | 502.4 |
| 30° | 2310.1 | 1646.2 | 1286.5 | 926.8 | 758.5 | 590.0 | 547.9 | 505.1 | 488.0 | 470.9 | 460.8 |
| 32.5° | 2324.0 | 1550.0 | 1185.0 | 819.3 | 682.0 | 544.1 | 509.3 | 474.1 | 457.5 | 441.0 | 430.8 |
| 35° | 2299.9 | 1471.5 | 1115.4 | 759.5 | 632.9 | 505.6 | 476.3 | 446.3 | 428.1 | 410.0 | 400.4 |
| 37.5° | 2259.2 | 1392.4 | 1061.5 | 730.1 | 600.7 | 470.9 | 449.5 | 427.6 | 408.9 | 389.7 | 380.5 |
| 40° | 2222.4 | 1325.5 | 1021.4 | 716.8 | 583.1 | 448.9 | 430.8 | 412.6 | 393.4 | 373.6 | 362.9 |
| 42.5° | 2192.5 | 1280.6 | 981.9 | 683.0 | 567.1 | 450.5 | 424.9 | 398.8 | 380.0 | 361.3 | 349.5 |
| 45° | 2170.0 | 1251.3 | 950.9 | 650.4 | 552.1 | 453.8 | 421.1 | 388.5 | 369.8 | 350.6 | 336.8 |
| 47.5° | 2167.8 | 1235.8 | 929.0 | 622.2 | 523.8 | 424.9 | 411.5 | 398.2 | 371.0 | 343.2 | 327.1 |
| 50° | 2197.2 | 1210.6 | 903.3 | 595.4 | 496.6 | 397.6 | 415.9 | 433.4 | 386.9 | 340.0 | 319.6 |
| 52.5° | 2258.8 | 1166.3 | 862.6 | 559.0 | 463.4 | 367.2 | 395.5 | 423.3 | 383.3 | 342.6 | 316.4 |
| 55° | 2333.0 | 1101.1 | 801.2 | 500.8 | 419.5 | 337.8 | 362.9 | 387.5 | 362.4 | 336.8 | 305.2 |
| 57.5° | 2379.5 | 1018.8 | 723.7 | 428.6 | 370.4 | 312.2 | 326.5 | 340.4 | 330.3 | 320.1 | 288.1 |
| 60° | 2351.8 | 909.1 | 636.5 | 363.5 | 327.1 | 290.7 | 288.1 | 284.9 | 299.9 | 314.8 | 278.0 |
| 62.5° | 2215.9 | 795.9 | 559.6 | 323.3 | 296.1 | 268.3 | 262.5 | 256.0 | 280.6 | 304.6 | 265.7 |
| 65° | 1986.7 | 716.8 | 510.9 | 305.2 | 274.7 | 244.2 | 237.9 | 231.5 | 238.9 | 246.4 | 228.2 |
| 67.5° | 1695.4 | 668.1 | 483.1 | 298.3 | 261.3 | 224.0 | 216.4 | 209.0 | 207.4 | 205.8 | 199.3 |
| 70° | 1395.0 | 638.1 | 465.0 | 291.9 | 247.0 | 201.5 | 194.5 | 187.6 | 185.4 | 182.8 | 178.0 |
| 72.5° | 1166.3 | 634.5 | 462.8 | 291.3 | 235.1 | 179.0 | 172.7 | 166.2 | 163.5 | 160.4 | 156.6 |
| 75° | 955.1 | 595.4 | 439.4 | 283.3 | 219.2 | 154.4 | 148.6 | 142.7 | 140.5 | 137.9 | 134.7 |
| 77.5° | 708.8 | 492.8 | 369.4 | 245.8 | 187.6 | 129.4 | 123.4 | 117.0 | 116.5 | 115.5 | 112.8 |
| 80° | 459.6 | 356.5 | 264.1 | 171.5 | 136.9 | 101.5 | 96.8 | 91.4 | 92.0 | 92.4 | 90.4 |
| 82.5° | 255.5 | 207.9 | 161.4 | 114.9 | 93.6 | 72.1 | 70.0 | 67.4 | 69.0 | 70.0 | 67.4 |
| 85° | 134.7 | 104.7 | 86.6 | 68.4 | 54.0 | 39.5 | 39.5 | 39.0 | 41.1 | 43.3 | 41.1 |
| 87.5° | 58.2 | 36.9 | 31.6 | 25.6 | 14.5 | 2.6 | 3.2 | 3.2 | 4.3 | 5.4 | 4.8 |
| 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: GPC-SA2D-735-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: P387063

CATALOG NUMBER: GPC-SA2D-735-U-SLL

CANDELA DISTRIBUTION (continued):

| | 165° | 170° | 175° | 180° | 185° | 190° | 195° | 200° | 205° | 210° | 215° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 4072.7 | 4072.7 | 4072.7 | 4072.7 | 4072.7 | 4072.7 | 4072.7 | 4072.7 | 4072.7 | 4072.7 | 4072.7 |
| 2.5° | 3682.0 | 3643.1 | 3603.5 | 3560.2 | 3568.2 | 3535.1 | 3502.0 | 3481.1 | 3460.3 | 3453.9 | 3447.4 |
| 5° | 2975.4 | 2931.1 | 2886.2 | 2846.2 | 2880.8 | 2857.4 | 2833.9 | 2830.7 | 2826.9 | 2826.9 | 2826.4 |
| 7.5° | 2201.6 | 2153.9 | 2105.8 | 2072.8 | 2107.0 | 2102.6 | 2098.4 | 2121.3 | 2144.4 | 2163.0 | 2181.3 |
| 10° | 1788.9 | 1731.2 | 1673.0 | 1623.7 | 1615.2 | 1590.7 | 1565.5 | 1570.9 | 1575.6 | 1595.9 | 1616.3 |
| 12.5° | 1554.8 | 1485.8 | 1416.9 | 1359.2 | 1333.0 | 1292.4 | 1251.3 | 1225.5 | 1199.9 | 1202.6 | 1204.8 |
| 15° | 1288.1 | 1221.3 | 1154.0 | 1104.3 | 1087.7 | 1056.2 | 1024.6 | 992.6 | 960.0 | 946.5 | 932.7 |
| 17.5° | 985.0 | 931.6 | 877.6 | 844.5 | 844.5 | 835.4 | 826.3 | 810.3 | 793.7 | 780.4 | 766.5 |
| 20° | 722.1 | 693.7 | 664.9 | 651.0 | 655.3 | 655.8 | 655.8 | 663.9 | 671.9 | 667.5 | 663.3 |
| 22.5° | 597.5 | 587.4 | 577.3 | 571.3 | 573.5 | 574.1 | 574.5 | 582.0 | 589.0 | 594.4 | 599.1 |
| 25° | 539.3 | 532.9 | 526.4 | 524.4 | 529.2 | 529.6 | 529.6 | 534.5 | 539.3 | 544.7 | 550.0 |
| 27.5° | 493.8 | 491.2 | 488.5 | 484.8 | 489.6 | 489.6 | 489.0 | 494.4 | 499.2 | 504.0 | 508.3 |
| 30° | 450.5 | 451.7 | 452.1 | 451.1 | 454.3 | 456.5 | 458.0 | 461.8 | 465.0 | 468.8 | 472.5 |
| 32.5° | 420.1 | 418.5 | 416.9 | 415.9 | 422.8 | 426.5 | 430.2 | 434.0 | 437.2 | 438.8 | 440.4 |
| 35° | 390.7 | 386.9 | 383.3 | 380.5 | 386.9 | 391.8 | 396.6 | 403.6 | 410.0 | 411.0 | 412.1 |
| 37.5° | 371.0 | 366.1 | 361.3 | 358.1 | 360.8 | 362.9 | 365.0 | 372.6 | 380.0 | 384.3 | 388.1 |
| 40° | 352.3 | 347.4 | 342.6 | 340.0 | 341.6 | 342.0 | 342.6 | 346.4 | 349.5 | 357.5 | 365.0 |
| 42.5° | 337.2 | 331.4 | 325.5 | 322.3 | 323.3 | 324.5 | 324.9 | 324.5 | 323.9 | 331.4 | 338.8 |
| 45° | 322.3 | 315.9 | 309.4 | 305.8 | 306.2 | 306.2 | 306.2 | 305.2 | 303.6 | 307.4 | 311.0 |
| 47.5° | 310.6 | 303.0 | 295.5 | 291.9 | 290.7 | 289.7 | 288.6 | 288.1 | 287.0 | 289.7 | 291.9 |
| 50° | 298.8 | 290.7 | 282.2 | 278.0 | 275.2 | 274.2 | 273.1 | 272.6 | 271.5 | 274.2 | 276.4 |
| 52.5° | 289.7 | 280.0 | 270.5 | 263.5 | 260.9 | 259.2 | 257.6 | 258.1 | 258.1 | 259.2 | 259.7 |
| 55° | 273.6 | 265.1 | 256.0 | 251.2 | 246.4 | 245.4 | 244.2 | 245.8 | 247.0 | 247.0 | 247.0 |
| 57.5° | 256.0 | 248.0 | 239.5 | 236.3 | 231.9 | 231.9 | 231.5 | 233.5 | 235.1 | 236.3 | 237.3 |
| 60° | 240.5 | 231.5 | 222.4 | 219.6 | 218.0 | 217.6 | 217.0 | 219.6 | 221.8 | 224.0 | 226.1 |
| 62.5° | 226.1 | 216.4 | 206.9 | 203.7 | 203.1 | 203.7 | 203.7 | 206.3 | 208.5 | 210.6 | 212.7 |
| 65° | 210.0 | 200.5 | 190.3 | 187.0 | 188.2 | 189.8 | 191.4 | 193.5 | 195.1 | 197.2 | 199.3 |
| 67.5° | 192.4 | 184.4 | 175.9 | 172.7 | 173.1 | 175.3 | 177.5 | 179.0 | 180.1 | 182.2 | 184.4 |
| 70° | 173.1 | 166.2 | 159.3 | 157.2 | 156.6 | 159.3 | 161.4 | 162.5 | 163.5 | 166.2 | 168.3 |
| 72.5° | 152.4 | 146.5 | 140.5 | 138.9 | 139.5 | 141.1 | 142.7 | 144.3 | 145.4 | 148.0 | 150.2 |
| 75° | 131.0 | 125.6 | 120.2 | 119.2 | 120.2 | 121.8 | 123.4 | 124.6 | 125.6 | 128.8 | 131.5 |
| 77.5° | 110.1 | 104.2 | 97.8 | 97.3 | 98.9 | 100.5 | 101.5 | 103.1 | 104.7 | 109.1 | 113.3 |
| 80° | 88.2 | 81.8 | 74.9 | 74.3 | 75.9 | 77.5 | 79.1 | 80.7 | 82.3 | 87.6 | 92.4 |
| 82.5° | 64.6 | 57.2 | 49.7 | 48.7 | 54.0 | 55.6 | 57.2 | 59.8 | 62.0 | 66.8 | 71.6 |
| 85° | 39.0 | 31.6 | 24.0 | 23.5 | 28.4 | 31.0 | 33.6 | 36.9 | 39.5 | 43.9 | 48.1 |
| 87.5° | 4.3 | 2.2 | 0.0 | 0.0 | 0.6 | 2.6 | 4.8 | 7.5 | 10.1 | 14.5 | 18.1 |
| 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: GPC-SA2D-735-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 |



REPORT NUMBER: P387063

CATALOG NUMBER: GPC-SA2D-735-U-SLL

CANDELA DISTRIBUTION (continued):

| | 220° | 225° | 230° | 235° | 240° | 245° | 250° | 255° | 260° | 265° | 270° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 4072.7 | 4072.7 | 4072.7 | 4072.7 | 4072.7 | 4072.7 | 4072.7 | 4072.7 | 4072.7 | 4072.7 | 4072.7 |
| 2.5° | 3423.9 | 3399.9 | 3424.5 | 3448.5 | 3458.7 | 3468.8 | 3442.6 | 3415.9 | 3457.6 | 3498.8 | 3509.4 |
| 5° | 2804.9 | 2783.0 | 2799.7 | 2815.6 | 2779.9 | 2744.1 | 2740.3 | 2736.1 | 2767.1 | 2798.1 | 2802.9 |
| 7.5° | 2174.3 | 2167.4 | 2182.9 | 2198.4 | 2152.9 | 2107.0 | 2084.5 | 2062.1 | 2069.5 | 2077.0 | 2076.0 |
| 10° | 1621.1 | 1625.3 | 1644.6 | 1663.3 | 1628.1 | 1592.7 | 1577.2 | 1561.7 | 1578.8 | 1595.5 | 1611.0 |
| 12.5° | 1214.4 | 1223.5 | 1243.8 | 1263.5 | 1249.1 | 1234.1 | 1235.8 | 1237.4 | 1257.1 | 1276.4 | 1293.5 |
| 15° | 943.3 | 954.0 | 968.5 | 982.4 | 982.9 | 982.9 | 996.8 | 1010.2 | 1008.5 | 1006.9 | 1018.8 |
| 17.5° | 780.9 | 794.8 | 796.4 | 798.0 | 798.5 | 799.0 | 798.0 | 796.9 | 788.9 | 780.9 | 789.9 |
| 20° | 668.7 | 673.5 | 677.8 | 681.4 | 676.6 | 671.3 | 658.0 | 644.6 | 639.3 | 633.9 | 642.5 |
| 22.5° | 608.3 | 616.8 | 612.5 | 607.7 | 598.1 | 588.0 | 577.8 | 567.1 | 566.5 | 565.5 | 570.3 |
| 25° | 557.4 | 564.4 | 557.0 | 549.5 | 542.5 | 535.5 | 528.6 | 521.6 | 521.1 | 520.6 | 522.8 |
| 27.5° | 515.3 | 521.6 | 514.7 | 507.7 | 501.9 | 496.0 | 490.6 | 485.3 | 484.3 | 483.1 | 483.7 |
| 30° | 478.9 | 484.8 | 478.9 | 472.5 | 468.2 | 463.4 | 459.6 | 455.9 | 455.4 | 454.9 | 454.9 |
| 32.5° | 446.3 | 452.1 | 447.9 | 443.6 | 439.9 | 436.2 | 433.4 | 430.8 | 428.1 | 425.5 | 419.5 |
| 35° | 417.9 | 423.9 | 421.1 | 417.9 | 413.7 | 409.4 | 404.6 | 399.2 | 392.3 | 384.9 | 381.6 |
| 37.5° | 393.9 | 399.8 | 397.1 | 394.5 | 388.5 | 382.7 | 374.2 | 365.0 | 362.9 | 360.3 | 359.7 |
| 40° | 374.6 | 383.7 | 378.4 | 372.6 | 363.5 | 354.3 | 350.1 | 345.8 | 344.8 | 343.6 | 342.6 |
| 42.5° | 353.3 | 367.2 | 357.5 | 348.0 | 339.4 | 330.9 | 329.8 | 328.7 | 328.1 | 327.7 | 327.7 |
| 45° | 326.5 | 341.6 | 331.9 | 321.7 | 317.0 | 312.2 | 312.2 | 312.2 | 312.6 | 312.6 | 313.8 |
| 47.5° | 301.5 | 310.6 | 305.8 | 300.9 | 298.3 | 295.5 | 296.1 | 296.7 | 298.3 | 299.3 | 302.0 |
| 50° | 280.0 | 283.3 | 284.4 | 284.9 | 283.3 | 281.6 | 282.8 | 283.3 | 284.9 | 286.0 | 288.1 |
| 52.5° | 264.5 | 269.4 | 269.4 | 268.9 | 268.9 | 268.9 | 269.9 | 271.0 | 272.6 | 274.2 | 276.4 |
| 55° | 254.4 | 261.3 | 259.2 | 257.1 | 257.6 | 257.6 | 258.7 | 259.7 | 261.3 | 262.5 | 265.7 |
| 57.5° | 244.8 | 252.3 | 250.2 | 248.0 | 248.0 | 248.0 | 248.6 | 249.0 | 250.6 | 251.8 | 253.9 |
| 60° | 233.5 | 241.0 | 238.9 | 236.3 | 236.8 | 237.3 | 237.9 | 237.9 | 238.9 | 239.5 | 239.5 |
| 62.5° | 220.2 | 227.7 | 225.5 | 222.9 | 224.5 | 225.5 | 225.5 | 225.5 | 226.6 | 227.1 | 225.5 |
| 65° | 206.3 | 213.2 | 211.1 | 209.0 | 211.1 | 212.7 | 213.8 | 214.4 | 213.8 | 213.2 | 211.6 |
| 67.5° | 191.4 | 198.3 | 196.1 | 193.5 | 196.1 | 198.3 | 200.5 | 202.1 | 200.5 | 198.9 | 196.7 |
| 70° | 175.3 | 182.2 | 179.6 | 176.9 | 179.6 | 182.2 | 184.4 | 186.6 | 184.4 | 182.2 | 181.7 |
| 72.5° | 158.2 | 166.2 | 163.0 | 159.8 | 163.0 | 166.2 | 167.3 | 168.3 | 166.7 | 165.1 | 164.1 |
| 75° | 139.5 | 147.5 | 144.9 | 141.7 | 144.3 | 147.0 | 147.5 | 148.0 | 148.0 | 147.5 | 144.3 |
| 77.5° | 119.7 | 126.2 | 124.6 | 123.0 | 124.6 | 126.2 | 126.2 | 126.2 | 126.6 | 126.6 | 122.4 |
| 80° | 96.2 | 100.0 | 100.5 | 101.0 | 101.5 | 102.1 | 101.5 | 101.0 | 100.0 | 98.9 | 96.2 |
| 82.5° | 71.6 | 71.6 | 75.9 | 79.7 | 79.7 | 79.1 | 78.5 | 77.5 | 75.3 | 72.7 | 66.8 |
| 85° | 45.5 | 42.7 | 49.7 | 56.1 | 56.1 | 55.6 | 54.5 | 52.9 | 48.7 | 43.9 | 39.0 |
| 87.5° | 15.5 | 12.9 | 19.8 | 26.7 | 27.2 | 27.2 | 26.2 | 25.1 | 20.9 | 16.1 | 12.3 |
| 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 |



REPORT NUMBER: P387063
 CATALOG NUMBER: GPC-SA2D-735-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: P387063
 CATALOG NUMBER: GPC-SA2D-735-U-SLL

CANDELA DISTRIBUTION (continued):

| | 275° | 280° | 285° | 290° | 295° | 300° | 305° | 310° | 315° | 320° | 325° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 4072.7 | 4072.7 | 4072.7 | 4072.7 | 4072.7 | 4072.7 | 4072.7 | 4072.7 | 4072.7 | 4072.7 | 4072.7 |
| 2.5° | 3525.5 | 3532.4 | 3538.8 | 3591.2 | 3643.1 | 3704.0 | 3764.9 | 3811.4 | 3857.3 | 3905.0 | 3952.5 |
| 5° | 2819.4 | 2828.0 | 2836.5 | 2900.1 | 2963.2 | 3048.1 | 3133.2 | 3206.3 | 3279.6 | 3365.7 | 3451.7 |
| 7.5° | 2089.9 | 2108.6 | 2126.7 | 2194.6 | 2262.0 | 2353.4 | 2444.2 | 2539.8 | 2635.0 | 2747.3 | 2859.5 |
| 10° | 1641.4 | 1676.7 | 1711.4 | 1780.9 | 1850.4 | 1940.7 | 2030.5 | 2130.5 | 2230.4 | 2341.1 | 2451.2 |
| 12.5° | 1328.8 | 1375.7 | 1422.2 | 1505.7 | 1589.0 | 1697.0 | 1804.4 | 1915.6 | 2026.3 | 2123.5 | 2220.8 |
| 15° | 1049.8 | 1101.1 | 1151.8 | 1240.0 | 1328.2 | 1446.9 | 1564.9 | 1686.3 | 1807.1 | 1923.6 | 2040.2 |
| 17.5° | 818.9 | 861.0 | 902.8 | 977.5 | 1051.8 | 1166.8 | 1281.7 | 1408.9 | 1536.1 | 1678.3 | 1819.9 |
| 20° | 660.6 | 678.2 | 695.9 | 749.9 | 803.4 | 896.8 | 989.8 | 1119.8 | 1249.6 | 1419.6 | 1589.5 |
| 22.5° | 578.9 | 588.0 | 596.5 | 622.6 | 648.4 | 708.8 | 768.6 | 883.5 | 997.9 | 1183.4 | 1368.3 |
| 25° | 529.6 | 536.6 | 543.5 | 560.6 | 577.8 | 606.7 | 635.5 | 716.2 | 796.9 | 979.2 | 1160.9 |
| 27.5° | 485.3 | 496.0 | 506.1 | 514.1 | 521.6 | 541.5 | 560.6 | 613.6 | 666.5 | 836.4 | 1005.9 |
| 30° | 453.3 | 457.0 | 460.8 | 473.0 | 484.8 | 505.1 | 525.4 | 562.3 | 599.1 | 743.0 | 886.1 |
| 32.5° | 415.9 | 421.1 | 426.5 | 439.4 | 452.1 | 470.9 | 489.6 | 519.5 | 548.9 | 671.9 | 794.3 |
| 35° | 382.1 | 387.5 | 392.9 | 405.6 | 417.9 | 438.3 | 458.0 | 483.1 | 507.7 | 614.6 | 721.5 |
| 37.5° | 361.3 | 366.6 | 372.0 | 383.3 | 393.9 | 414.3 | 434.0 | 453.8 | 473.0 | 571.9 | 670.8 |
| 40° | 343.6 | 349.0 | 354.3 | 365.0 | 375.2 | 395.0 | 414.3 | 430.8 | 447.3 | 539.9 | 632.3 |
| 42.5° | 328.1 | 334.0 | 340.0 | 350.6 | 360.8 | 378.4 | 396.0 | 417.9 | 439.4 | 512.1 | 584.2 |
| 45° | 315.4 | 321.3 | 326.5 | 338.4 | 350.1 | 367.2 | 384.3 | 414.7 | 445.3 | 497.6 | 550.0 |
| 47.5° | 303.6 | 310.0 | 315.9 | 328.7 | 341.6 | 362.9 | 383.7 | 409.4 | 434.6 | 486.4 | 538.3 |
| 50° | 292.3 | 299.9 | 307.4 | 322.9 | 337.8 | 373.6 | 408.9 | 412.6 | 415.9 | 477.3 | 538.3 |
| 52.5° | 281.6 | 290.2 | 298.8 | 318.0 | 336.8 | 378.4 | 420.1 | 406.8 | 392.9 | 460.2 | 527.6 |
| 55° | 271.0 | 278.4 | 285.4 | 309.0 | 332.5 | 362.9 | 393.4 | 375.8 | 357.5 | 428.1 | 498.6 |
| 57.5° | 256.5 | 264.5 | 272.0 | 297.1 | 322.3 | 343.6 | 364.5 | 348.5 | 331.9 | 391.8 | 451.1 |
| 60° | 241.6 | 250.6 | 259.7 | 291.9 | 323.3 | 319.6 | 315.4 | 312.2 | 308.4 | 351.1 | 393.9 |
| 62.5° | 228.2 | 237.9 | 247.4 | 289.1 | 330.9 | 305.2 | 279.6 | 282.2 | 284.4 | 315.9 | 347.4 |
| 65° | 214.8 | 224.5 | 233.5 | 254.4 | 275.2 | 265.1 | 255.0 | 259.2 | 262.9 | 293.9 | 324.9 |
| 67.5° | 199.9 | 208.5 | 216.4 | 223.4 | 230.3 | 231.5 | 232.5 | 236.8 | 241.0 | 278.0 | 314.3 |
| 70° | 183.4 | 190.3 | 197.2 | 202.1 | 206.3 | 208.5 | 210.0 | 215.4 | 220.8 | 260.9 | 300.9 |
| 72.5° | 164.6 | 170.5 | 175.9 | 180.1 | 184.4 | 186.0 | 187.0 | 192.4 | 197.7 | 240.5 | 283.3 |
| 75° | 144.3 | 149.1 | 153.4 | 157.2 | 160.9 | 163.0 | 165.1 | 168.9 | 172.7 | 219.2 | 265.1 |
| 77.5° | 121.8 | 126.6 | 131.0 | 134.1 | 136.9 | 138.9 | 140.5 | 145.4 | 150.2 | 189.2 | 227.7 |
| 80° | 95.2 | 101.0 | 106.3 | 109.1 | 111.1 | 111.7 | 111.7 | 116.0 | 120.2 | 148.0 | 175.3 |
| 82.5° | 67.4 | 73.7 | 79.7 | 81.8 | 83.9 | 83.9 | 83.9 | 88.7 | 93.6 | 112.3 | 130.4 |
| 85° | 39.5 | 46.5 | 52.9 | 55.0 | 57.2 | 58.2 | 58.8 | 61.0 | 62.6 | 75.9 | 88.7 |
| 87.5° | 12.3 | 18.1 | 23.5 | 24.6 | 25.6 | 27.8 | 30.0 | 30.4 | 30.4 | 39.5 | 48.7 |
| 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: GPC-SA2D-735-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: P387063

CATALOG NUMBER: GPC-SA2D-735-U-SLL

CANDELA DISTRIBUTION (continued):

| | 330° | 335° | 340° | 345° | 350° | 355° | 360° |
|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 4072.7 | 4072.7 | 4072.7 | 4072.7 | 4072.7 | 4072.7 | 4072.7 |
| 2.5° | 4007.1 | 4061.6 | 4125.2 | 4188.2 | 4242.2 | 4296.2 | 4341.1 |
| 5° | 3561.2 | 3670.9 | 3805.0 | 3938.6 | 4057.8 | 4177.0 | 4315.5 |
| 7.5° | 3001.2 | 3142.7 | 3316.5 | 3490.2 | 3658.6 | 3826.3 | 4039.1 |
| 10° | 2595.5 | 2739.3 | 2923.1 | 3106.4 | 3295.7 | 3484.3 | 3724.8 |
| 12.5° | 2337.9 | 2454.4 | 2632.4 | 2810.3 | 3032.6 | 3254.4 | 3485.9 |
| 15° | 2167.8 | 2295.1 | 2468.3 | 2641.4 | 2884.6 | 3127.8 | 3394.0 |
| 17.5° | 1986.7 | 2152.9 | 2374.7 | 2596.5 | 2884.6 | 3172.1 | 3485.9 |
| 20° | 1797.0 | 2003.8 | 2291.4 | 2578.9 | 2966.9 | 3354.4 | 3754.8 |
| 22.5° | 1607.8 | 1847.2 | 2215.9 | 2584.3 | 3091.5 | 3598.2 | 4138.5 |
| 25° | 1437.3 | 1713.5 | 2170.0 | 2625.9 | 3272.7 | 3918.9 | 4589.1 |
| 27.5° | 1307.9 | 1609.4 | 2151.3 | 2692.8 | 3502.5 | 4312.2 | 5079.2 |
| 30° | 1192.9 | 1499.7 | 2128.9 | 2758.0 | 3723.8 | 4689.1 | 5462.5 |
| 32.5° | 1093.5 | 1392.8 | 2085.5 | 2777.7 | 3878.2 | 4978.7 | 5786.9 |
| 35° | 1015.5 | 1309.5 | 2012.8 | 2716.3 | 3975.0 | 5233.6 | 6124.7 |
| 37.5° | 948.2 | 1225.5 | 1930.0 | 2634.4 | 4061.0 | 5487.6 | 6504.6 |
| 40° | 884.1 | 1135.8 | 1859.0 | 2581.5 | 4179.6 | 5777.8 | 6906.0 |
| 42.5° | 823.1 | 1062.0 | 1801.8 | 2541.4 | 4289.7 | 6037.6 | 7257.3 |
| 45° | 777.6 | 1005.3 | 1750.9 | 2496.1 | 4360.9 | 6225.6 | 7521.8 |
| 47.5° | 755.3 | 971.7 | 1723.7 | 2475.2 | 4432.0 | 6388.2 | 7741.5 |
| 50° | 752.0 | 965.8 | 1754.7 | 2543.6 | 4585.9 | 6627.6 | 7992.7 |
| 52.5° | 751.5 | 975.5 | 1843.9 | 2712.5 | 4871.8 | 7030.6 | 8264.8 |
| 55° | 740.2 | 981.3 | 1950.4 | 2918.8 | 5255.6 | 7591.8 | 8753.8 |
| 57.5° | 706.0 | 961.0 | 2059.9 | 3158.2 | 5661.3 | 8163.7 | 9304.9 |
| 60° | 653.2 | 911.9 | 2150.3 | 3388.1 | 5933.9 | 8479.1 | 9517.1 |
| 62.5° | 586.8 | 825.8 | 2180.1 | 3534.0 | 5926.4 | 8318.7 | 9303.3 |
| 65° | 530.2 | 735.5 | 2081.8 | 3427.7 | 5626.5 | 7824.9 | 8880.5 |
| 67.5° | 479.9 | 645.1 | 1836.0 | 3026.3 | 5087.2 | 7147.7 | 8342.8 |
| 70° | 443.6 | 585.8 | 1519.0 | 2452.2 | 4412.1 | 6371.6 | 7720.1 |
| 72.5° | 420.7 | 557.4 | 1238.4 | 1918.8 | 3580.5 | 5241.7 | 6603.6 |
| 75° | 389.1 | 513.1 | 971.7 | 1429.8 | 2740.3 | 4050.9 | 4987.8 |
| 77.5° | 330.3 | 432.4 | 732.3 | 1032.1 | 2010.8 | 2988.9 | 3468.8 |
| 80° | 255.0 | 334.0 | 503.5 | 672.9 | 1383.8 | 2094.7 | 2365.1 |
| 82.5° | 181.7 | 233.1 | 305.2 | 377.4 | 919.3 | 1460.8 | 1483.2 |
| 85° | 112.3 | 135.7 | 174.8 | 213.8 | 608.3 | 1002.7 | 835.4 |
| 87.5° | 60.4 | 72.1 | 92.4 | 112.3 | 194.5 | 276.8 | 159.3 |
| 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: GPC-SA2D-735-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 |

Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269



Test Information

Test Method: LM-79-08
 Report Number: SP1-2101-121-7
 Test Lab: COOPER LIGHTING SOLUTIONS
 Photometer: SP1
 Measurement Geometry: 4π
 Issue Date: 03/04/2021
 Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
 Product Line: STREETWORKS
 Catalog Number: **IFLD-S-SA2A-735-U-T2**
 Description: STREETWORKS INF FLOOD

PROGRAMMED @ 615mA.

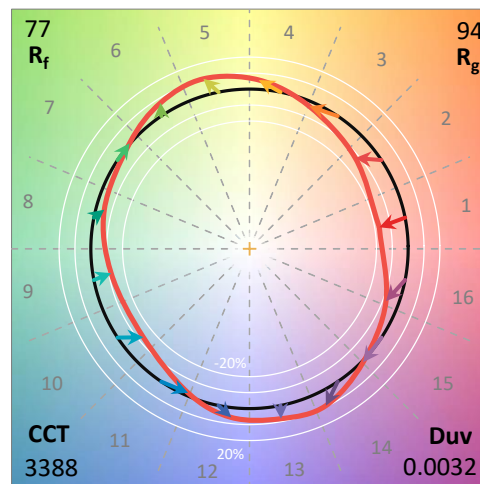
Spectral Parameters

CCT (K): 3388
 CIE u': 0.2371
 CIE v': 0.5177
 Duv: 0.0032
 CIE x: 0.4153
 CIE y: 0.4030
 CIE z: 0.1817
 Peak Wavelength (nm): 590
 Dominant Wavelength (nm): 580
 Purity: 45.7
 Rf: 76.9
 Rg: 94.4

| | | | |
|-----------|------|------|-------|
| CRI (Ra): | 73.1 | | |
| R1: | 68.9 | R9: | -34.6 |
| R2: | 81.1 | R10: | 57.8 |
| R3: | 93.1 | R11: | 68.6 |
| R4: | 71.6 | R12: | 53.9 |
| R5: | 69.4 | R13: | 70.9 |
| R6: | 75.0 | R14: | 96.2 |
| R7: | 79.5 | | |
| R8: | 46.4 | | |

Test Conditions

Stabilization Time: 81M
 Operation Time: 12H
 Room Temperature (°C) / RH%: 25.0/30%
 Sphere Temperature (°C): 24.1

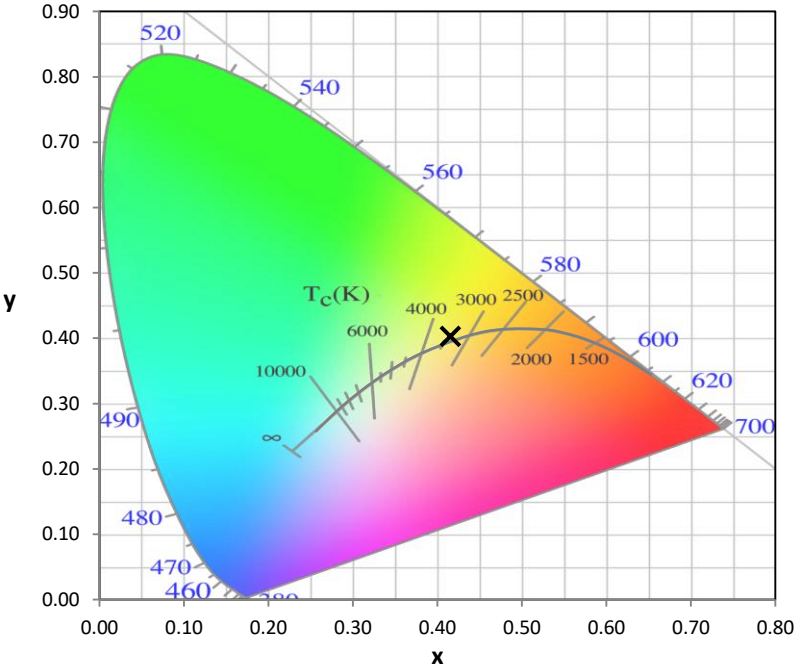


REPORT NUMBER: SP1-2101-121-7

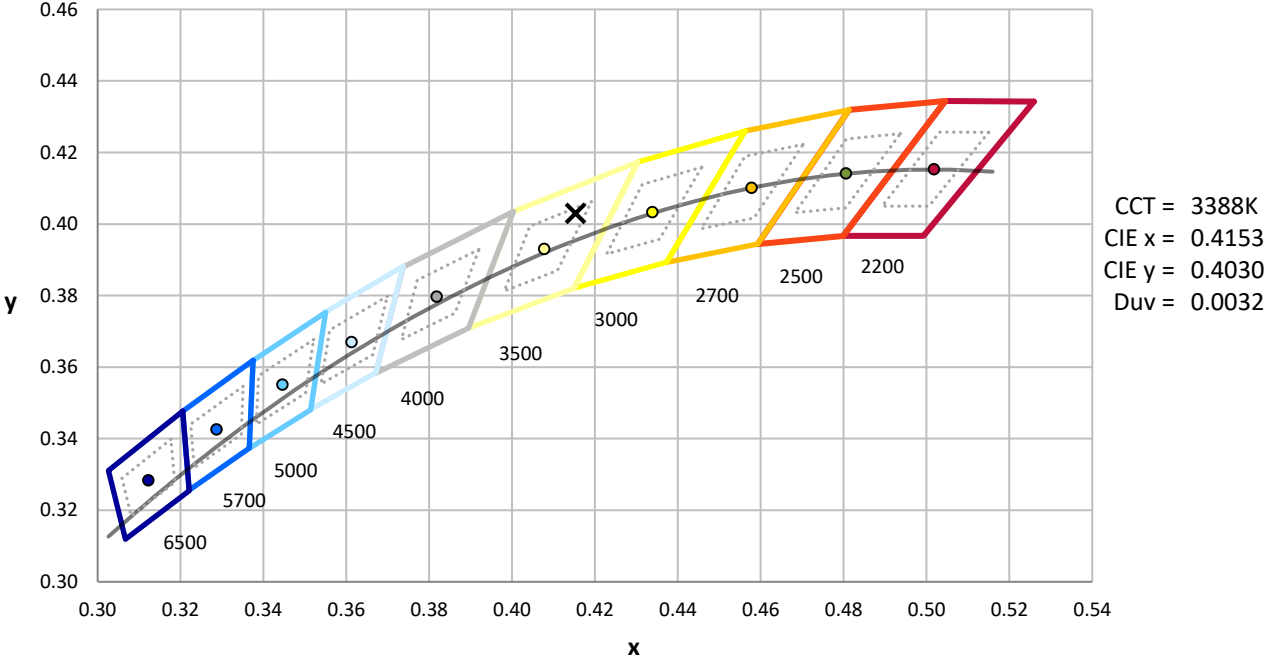
| Measurement and Test Equipment | | | |
|--------------------------------|-----------------------|------------------|----------------------|
| Instrument | Identification Number | Calibration Date | Calibration Due Date |
| Photometer | IN0058 | 1/31/2021 | 7/31/2021 |
| Power Meter | IN0071 | 12/1/2020 | 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: SP1-2101-121-7

CIE 1931 Chromaticity Diagram



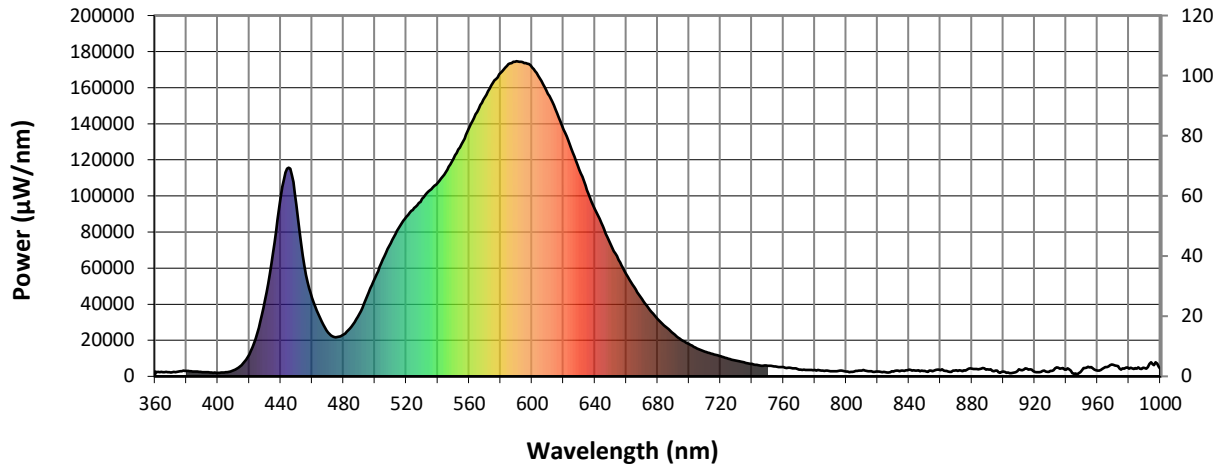
CIE 1931 Chromaticity Diagram with 2017 ANSI 7-Step and 4-Step Quadrangles



Point lies inside the ANSI 3500K 4-step quadrangle

REPORT NUMBER: SP1-2101-121-7

Photopic Flux vs. Wavelength



#####

| λ (nm) | Power (µW/nm) | Lumens (Φ/nm) | λ (nm) | Power (µW/nm) | Lumens (Φ/nm) | λ (nm) | Power (µW/nm) | Lumens (Φ/nm) | λ (nm) | Power (µW/nm) | Lumens (Φ/nm) | λ (nm) | Power (µW/nm) | Lumens (Φ/nm) |
|--------|---------------|---------------|--------|---------------|---------------|--------|---------------|---------------|--------|---------------|---------------|--------|---------------|---------------|
| 360 | 2672 | 0.0 | 490 | 34553 | 4.9 | 620 | 136720 | 35.6 | 750 | 5870 | 0.0 | 880 | 4216 | 0.0 |
| 365 | 2252 | 0.0 | 495 | 44336 | 8.0 | 625 | 126308 | 27.9 | 755 | 5421 | 0.0 | 885 | 4132 | 0.0 |
| 370 | 2217 | 0.0 | 500 | 54643 | 12.1 | 630 | 114625 | 20.7 | 760 | 5097 | 0.0 | 890 | 3992 | 0.0 |
| 375 | 2697 | 0.0 | 505 | 64676 | 18.1 | 635 | 103216 | 15.5 | 765 | 4626 | 0.0 | 895 | 3214 | 0.0 |
| 380 | 3039 | 0.0 | 510 | 73825 | 25.4 | 640 | 92605 | 11.1 | 770 | 3782 | 0.0 | 900 | 2580 | 0.0 |
| 385 | 2655 | 0.0 | 515 | 81872 | 33.9 | 645 | 83234 | 8.0 | 775 | 3506 | 0.0 | 905 | 1776 | 0.0 |
| 390 | 2357 | 0.0 | 520 | 88574 | 43.0 | 650 | 73263 | 5.4 | 780 | 3507 | 0.0 | 910 | 3995 | 0.0 |
| 395 | 2186 | 0.0 | 525 | 93289 | 50.1 | 655 | 64627 | 3.7 | 785 | 3267 | 0.0 | 915 | 4288 | 0.0 |
| 400 | 2015 | 0.0 | 530 | 98393 | 57.9 | 660 | 56614 | 2.4 | 790 | 2849 | 0.0 | 920 | 2446 | 0.0 |
| 405 | 2234 | 0.0 | 535 | 103269 | 64.0 | 665 | 49537 | 1.6 | 795 | 3037 | 0.0 | 925 | 3009 | 0.0 |
| 410 | 3412 | 0.0 | 540 | 107316 | 69.9 | 670 | 42866 | 0.9 | 800 | 2716 | 0.0 | 930 | 3026 | 0.0 |
| 415 | 6135 | 0.0 | 545 | 113101 | 75.3 | 675 | 36708 | 0.6 | 805 | 2648 | 0.0 | 935 | 4734 | 0.0 |
| 420 | 12146 | 0.0 | 550 | 120690 | 82.0 | 680 | 31814 | 0.4 | 810 | 3187 | 0.0 | 940 | 3719 | 0.0 |
| 425 | 23983 | 0.1 | 555 | 128583 | 87.8 | 685 | 27485 | 0.2 | 815 | 2931 | 0.0 | 945 | 1480 | 0.0 |
| 430 | 42142 | 0.3 | 560 | 137796 | 93.6 | 690 | 23698 | 0.1 | 820 | 2717 | 0.0 | 950 | 3450 | 0.0 |
| 435 | 68228 | 0.8 | 565 | 146577 | 97.5 | 695 | 20309 | 0.1 | 825 | 2236 | 0.0 | 955 | 5051 | 0.0 |
| 440 | 99323 | 1.6 | 570 | 154581 | 100.5 | 700 | 17890 | 0.1 | 830 | 2628 | 0.0 | 960 | 3176 | 0.0 |
| 445 | 115584 | 2.4 | 575 | 162633 | 101.2 | 705 | 15500 | 0.0 | 835 | 3140 | 0.0 | 965 | 5178 | 0.0 |
| 450 | 94997 | 2.5 | 580 | 168101 | 99.9 | 710 | 13699 | 0.0 | 840 | 3675 | 0.0 | 970 | 6385 | 0.0 |
| 455 | 61433 | 2.1 | 585 | 173145 | 96.2 | 715 | 12398 | 0.0 | 845 | 3283 | 0.0 | 975 | 3810 | 0.0 |
| 460 | 43373 | 1.8 | 590 | 174675 | 90.3 | 720 | 11147 | 0.0 | 850 | 3055 | 0.0 | 980 | 4322 | 0.0 |
| 465 | 32472 | 1.7 | 595 | 173724 | 82.3 | 725 | 9761 | 0.0 | 855 | 2932 | 0.0 | 985 | 4200 | 0.0 |
| 470 | 24257 | 1.5 | 600 | 171241 | 73.8 | 730 | 8651 | 0.0 | 860 | 3382 | 0.0 | 990 | 4661 | 0.0 |
| 475 | 21690 | 1.7 | 605 | 165134 | 64.0 | 735 | 7730 | 0.0 | 865 | 2605 | 0.0 | 995 | 6746 | 0.0 |
| 480 | 23173 | 2.2 | 610 | 156652 | 53.8 | 740 | 6847 | 0.0 | 870 | 3325 | 0.0 | 1000 | 4150 | 0.0 |
| 485 | 27564 | 3.3 | 615 | 147879 | 44.6 | 745 | 6124 | 0.0 | 875 | 3325 | 0.0 | | | |

REPORT NUMBER: SP1-2101-121-7

Scotopic Flux vs. Wavelength



Scotopic Lumens: 12126

S/P: 1.36

| λ (nm) | Power ($\mu\text{W}/\text{nm}$) | Lumens (ϕ/nm) | λ (nm) | Power ($\mu\text{W}/\text{nm}$) | Lumens (ϕ/nm) | λ (nm) | Power ($\mu\text{W}/\text{nm}$) | Lumens (ϕ/nm) | λ (nm) | Power ($\mu\text{W}/\text{nm}$) | Lumens (ϕ/nm) | λ (nm) | Power ($\mu\text{W}/\text{nm}$) | Lumens (ϕ/nm) |
|-------------------|--------------------------------------|--------------------------------|-------------------|--------------------------------------|--------------------------------|-------------------|--------------------------------------|--------------------------------|-------------------|--------------------------------------|--------------------------------|-------------------|--------------------------------------|--------------------------------|
| 360 | 2672 | 0.0 | 490 | 34553 | 53.2 | 620 | 136720 | 1.7 | 750 | 5870 | 0.0 | 880 | 4216 | 0.0 |
| 365 | 2252 | 0.0 | 495 | 44336 | 71.7 | 625 | 126308 | 1.1 | 755 | 5421 | 0.0 | 885 | 4132 | 0.0 |
| 370 | 2217 | 0.0 | 500 | 54643 | 91.4 | 630 | 114625 | 0.6 | 760 | 5097 | 0.0 | 890 | 3992 | 0.0 |
| 375 | 2697 | 0.0 | 505 | 64676 | 110.0 | 635 | 103216 | 0.4 | 765 | 4626 | 0.0 | 895 | 3214 | 0.0 |
| 380 | 3039 | 0.0 | 510 | 73825 | 125.1 | 640 | 92605 | 0.2 | 770 | 3782 | 0.0 | 900 | 2580 | 0.0 |
| 385 | 2655 | 0.0 | 515 | 81872 | 135.7 | 645 | 83234 | 0.1 | 775 | 3506 | 0.0 | 905 | 1776 | 0.0 |
| 390 | 2357 | 0.0 | 520 | 88574 | 140.8 | 650 | 73263 | 0.1 | 780 | 3507 | 0.0 | 910 | 3995 | 0.0 |
| 395 | 2186 | 0.0 | 525 | 93289 | 139.6 | 655 | 64627 | 0.1 | 785 | 3267 | 0.0 | 915 | 4288 | 0.0 |
| 400 | 2015 | 0.0 | 530 | 98393 | 135.7 | 660 | 56614 | 0.0 | 790 | 2849 | 0.0 | 920 | 2446 | 0.0 |
| 405 | 2234 | 0.1 | 535 | 103269 | 128.7 | 665 | 49537 | 0.0 | 795 | 3037 | 0.0 | 925 | 3009 | 0.0 |
| 410 | 3412 | 0.2 | 540 | 107316 | 118.6 | 670 | 42866 | 0.0 | 800 | 2716 | 0.0 | 930 | 3026 | 0.0 |
| 415 | 6135 | 0.6 | 545 | 113101 | 108.4 | 675 | 36708 | 0.0 | 805 | 2648 | 0.0 | 935 | 4734 | 0.0 |
| 420 | 12146 | 2.0 | 550 | 120690 | 98.7 | 680 | 31814 | 0.0 | 810 | 3187 | 0.0 | 940 | 3719 | 0.0 |
| 425 | 23983 | 5.9 | 555 | 128583 | 87.9 | 685 | 27485 | 0.0 | 815 | 2931 | 0.0 | 945 | 1480 | 0.0 |
| 430 | 42142 | 14.3 | 560 | 137796 | 77.0 | 690 | 23698 | 0.0 | 820 | 2717 | 0.0 | 950 | 3450 | 0.0 |
| 435 | 68228 | 30.5 | 565 | 146577 | 65.8 | 695 | 20309 | 0.0 | 825 | 2236 | 0.0 | 955 | 5051 | 0.0 |
| 440 | 99323 | 55.5 | 570 | 154581 | 54.6 | 700 | 17890 | 0.0 | 830 | 2628 | 0.0 | 960 | 3176 | 0.0 |
| 445 | 115584 | 77.4 | 575 | 162633 | 44.3 | 705 | 15500 | 0.0 | 835 | 3140 | 0.0 | 965 | 5178 | 0.0 |
| 450 | 94997 | 73.6 | 580 | 168101 | 34.6 | 710 | 13699 | 0.0 | 840 | 3675 | 0.0 | 970 | 6385 | 0.0 |
| 455 | 61433 | 53.7 | 585 | 173145 | 26.5 | 715 | 12398 | 0.0 | 845 | 3283 | 0.0 | 975 | 3810 | 0.0 |
| 460 | 43373 | 41.9 | 590 | 174675 | 19.5 | 720 | 11147 | 0.0 | 850 | 3055 | 0.0 | 980 | 4322 | 0.0 |
| 465 | 32472 | 34.3 | 595 | 173724 | 13.9 | 725 | 9761 | 0.0 | 855 | 2932 | 0.0 | 985 | 4200 | 0.0 |
| 470 | 24257 | 27.9 | 600 | 171241 | 9.7 | 730 | 8651 | 0.0 | 860 | 3382 | 0.0 | 990 | 4661 | 0.0 |
| 475 | 21690 | 27.1 | 605 | 165134 | 6.5 | 735 | 7730 | 0.0 | 865 | 2605 | 0.0 | 995 | 6746 | 0.0 |
| 480 | 23173 | 31.3 | 610 | 156652 | 4.2 | 740 | 6847 | 0.0 | 870 | 3325 | 0.0 | 1000 | 4150 | 0.0 |
| 485 | 27564 | 40.0 | 615 | 147879 | 2.7 | 745 | 6124 | 0.0 | 875 | 3325 | 0.0 | | | |

REPORT NUMBER: SP1-2101-121-7

Melanopic Flux vs. Wavelength



Melanopic Lumens: 4490.7 M/P: 0.5

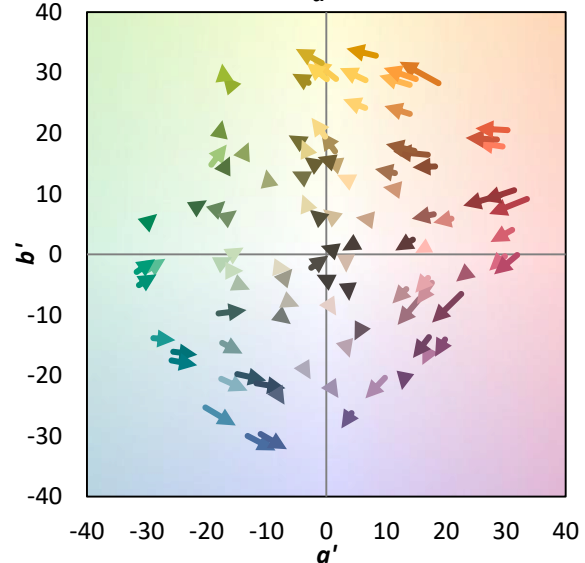
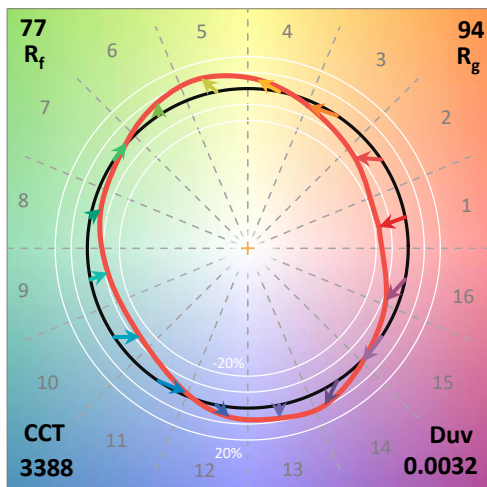
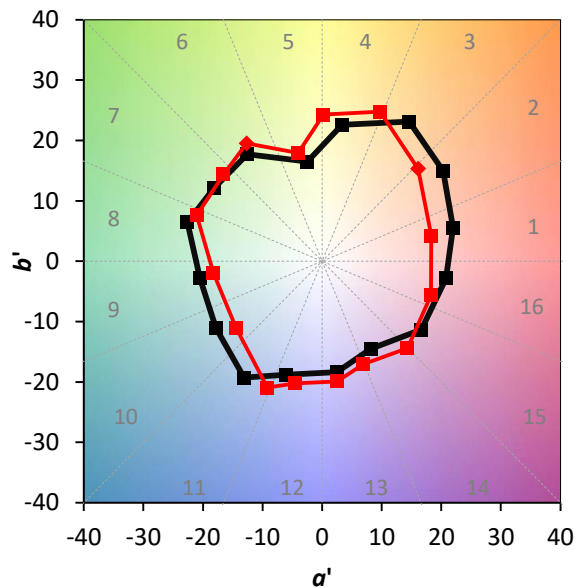
| λ (nm) | Power (µW/nm) | Lumens (φ/nm) | λ (nm) | Power (µW/nm) | Lumens (φ/nm) | λ (nm) | Power (µW/nm) | Lumens (φ/nm) | λ (nm) | Power (µW/nm) | Lumens (φ/nm) | λ (nm) | Power (µW/nm) | Lumens (φ/nm) |
|--------|---------------|---------------|--------|---------------|---------------|--------|---------------|---------------|--------|---------------|---------------|--------|---------------|---------------|
| 360 | 2672 | 0.0 | 490 | 34553 | 28.8 | 620 | 136720 | 0.1 | 750 | 5870 | 0.0 | 880 | 4216 | 0.0 |
| 365 | 2252 | 0.0 | 495 | 44336 | 36.6 | 625 | 126308 | 0.1 | 755 | 5421 | 0.0 | 885 | 4132 | 0.0 |
| 370 | 2217 | 0.0 | 500 | 54643 | 43.9 | 630 | 114625 | 0.0 | 760 | 5097 | 0.0 | 890 | 3992 | 0.0 |
| 375 | 2697 | 0.0 | 505 | 64676 | 49.6 | 635 | 103216 | 0.0 | 765 | 4626 | 0.0 | 895 | 3214 | 0.0 |
| 380 | 3039 | 0.0 | 510 | 73825 | 53.0 | 640 | 92605 | 0.0 | 770 | 3782 | 0.0 | 900 | 2580 | 0.0 |
| 385 | 2655 | 0.0 | 515 | 81872 | 53.5 | 645 | 83234 | 0.0 | 775 | 3506 | 0.0 | 905 | 1776 | 0.0 |
| 390 | 2357 | 0.0 | 520 | 88574 | 51.6 | 650 | 73263 | 0.0 | 780 | 3507 | 0.0 | 910 | 3995 | 0.0 |
| 395 | 2186 | 0.0 | 525 | 93289 | 47.3 | 655 | 64627 | 0.0 | 785 | 3267 | 0.0 | 915 | 4288 | 0.0 |
| 400 | 2015 | 0.0 | 530 | 98393 | 42.5 | 660 | 56614 | 0.0 | 790 | 2849 | 0.0 | 920 | 2446 | 0.0 |
| 405 | 2234 | 0.0 | 535 | 103269 | 37.2 | 665 | 49537 | 0.0 | 795 | 3037 | 0.0 | 925 | 3009 | 0.0 |
| 410 | 3412 | 0.1 | 540 | 107316 | 31.4 | 670 | 42866 | 0.0 | 800 | 2716 | 0.0 | 930 | 3026 | 0.0 |
| 415 | 6135 | 0.4 | 545 | 113101 | 26.3 | 675 | 36708 | 0.0 | 805 | 2648 | 0.0 | 935 | 4734 | 0.0 |
| 420 | 12146 | 1.4 | 550 | 120690 | 21.7 | 680 | 31814 | 0.0 | 810 | 3187 | 0.0 | 940 | 3719 | 0.0 |
| 425 | 23983 | 3.7 | 555 | 128583 | 17.3 | 685 | 27485 | 0.0 | 815 | 2931 | 0.0 | 945 | 1480 | 0.0 |
| 430 | 42142 | 8.9 | 560 | 137796 | 13.6 | 690 | 23698 | 0.0 | 820 | 2717 | 0.0 | 950 | 3450 | 0.0 |
| 435 | 68228 | 18.2 | 565 | 146577 | 10.3 | 695 | 20309 | 0.0 | 825 | 2236 | 0.0 | 955 | 5051 | 0.0 |
| 440 | 99323 | 33.2 | 570 | 154581 | 7.6 | 700 | 17890 | 0.0 | 830 | 2628 | 0.0 | 960 | 3176 | 0.0 |
| 445 | 115584 | 45.6 | 575 | 162633 | 5.4 | 705 | 15500 | 0.0 | 835 | 3140 | 0.0 | 965 | 5178 | 0.0 |
| 450 | 94997 | 43.8 | 580 | 168101 | 3.8 | 710 | 13699 | 0.0 | 840 | 3675 | 0.0 | 970 | 6385 | 0.0 |
| 455 | 61433 | 32.2 | 585 | 173145 | 2.6 | 715 | 12398 | 0.0 | 845 | 3283 | 0.0 | 975 | 3810 | 0.0 |
| 460 | 43373 | 25.6 | 590 | 174675 | 1.7 | 720 | 11147 | 0.0 | 850 | 3055 | 0.0 | 980 | 4322 | 0.0 |
| 465 | 32472 | 21.2 | 595 | 173724 | 1.1 | 725 | 9761 | 0.0 | 855 | 2932 | 0.0 | 985 | 4200 | 0.0 |
| 470 | 24257 | 17.4 | 600 | 171241 | 0.7 | 730 | 8651 | 0.0 | 860 | 3382 | 0.0 | 990 | 4661 | 0.0 |
| 475 | 21690 | 16.6 | 605 | 165134 | 0.5 | 735 | 7730 | 0.0 | 865 | 2605 | 0.0 | 995 | 6746 | 0.0 |
| 480 | 23173 | 18.6 | 610 | 156652 | 0.3 | 740 | 6847 | 0.0 | 870 | 3325 | 0.0 | 1000 | 4150 | 0.0 |
| 485 | 27564 | 22.7 | 615 | 147879 | 0.2 | 745 | 6124 | 0.0 | 875 | 3325 | 0.0 | | | |

Summary

$R_f = 76.9$
 $R_g = 94.4$
 $CIE R_a = 73.1$
 $R_g = -34.6$



Color Vector Graphics

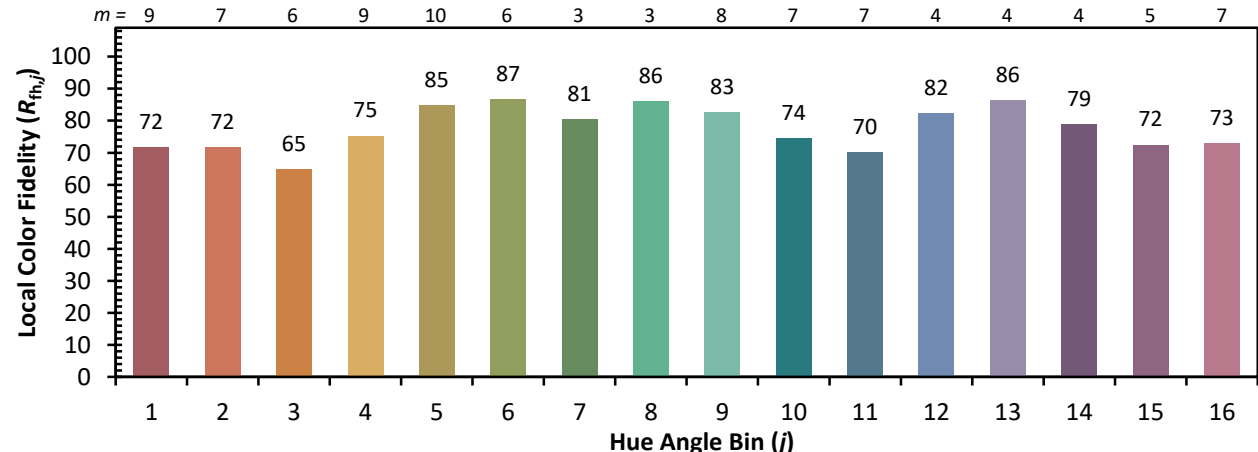
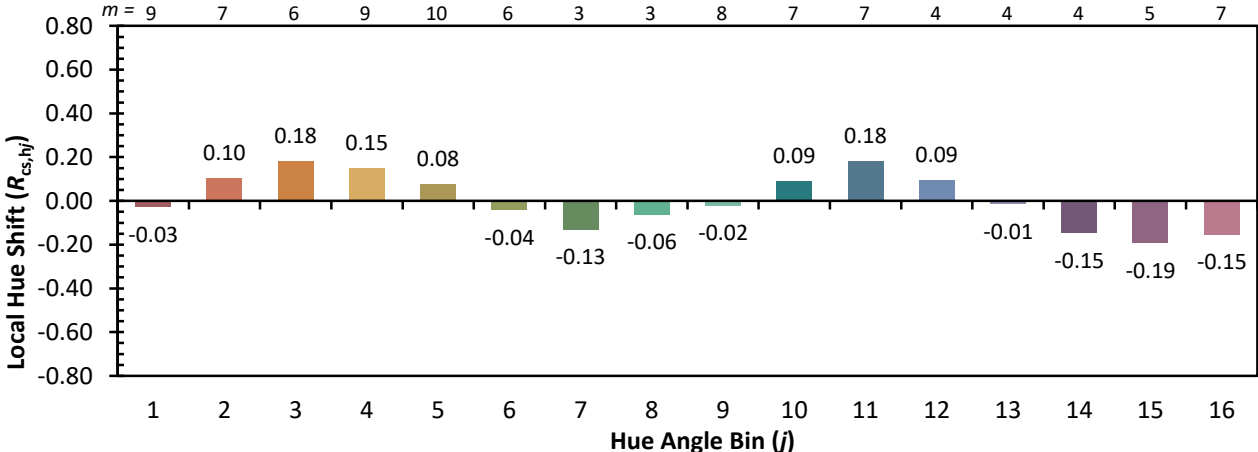
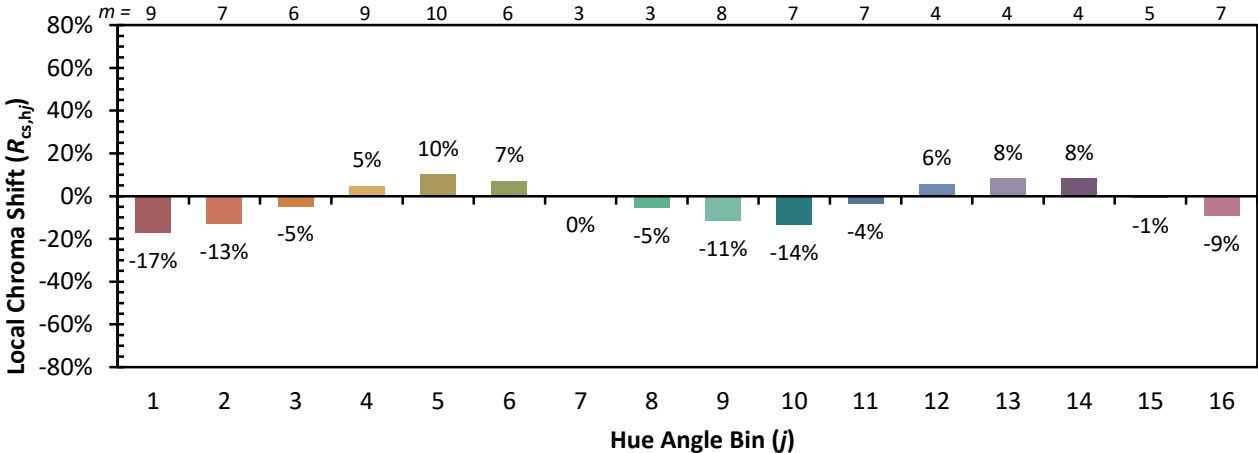


Individual Sample Fidelity Index ($R_{f,i}$)

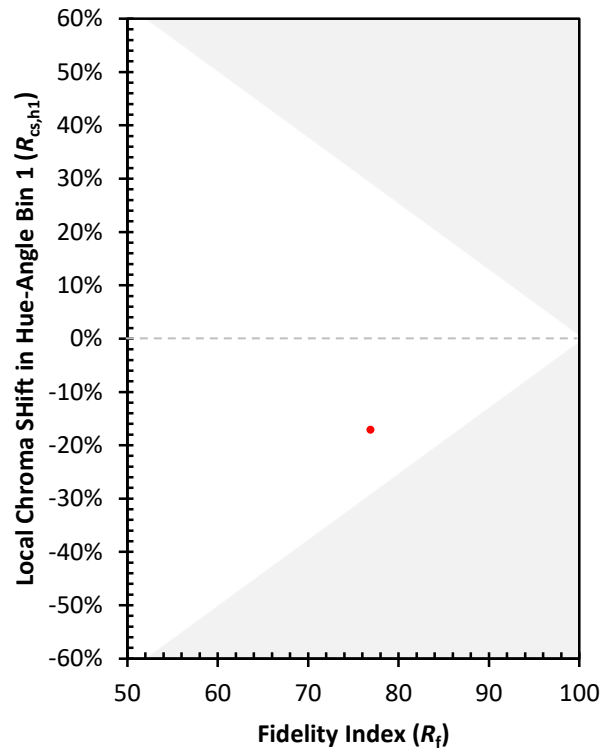
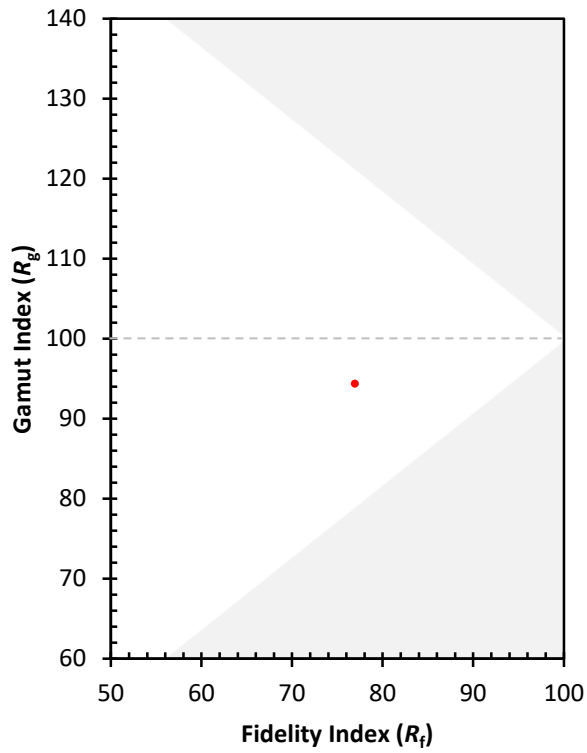
| | | | |
|------------|------------|------------|------------|
| CES01 = 86 | CES26 = 68 | CES51 = 90 | CES76 = 63 |
| CES02 = 62 | CES27 = 88 | CES52 = 89 | CES77 = 80 |
| CES03 = 31 | CES28 = 87 | CES53 = 80 | CES78 = 65 |
| CES04 = 70 | CES29 = 67 | CES54 = 84 | CES79 = 87 |
| CES05 = 48 | CES30 = 74 | CES55 = 84 | CES80 = 86 |
| CES06 = 51 | CES31 = 71 | CES56 = 75 | CES81 = 75 |
| CES07 = 40 | CES32 = 67 | CES57 = 74 | CES82 = 94 |
| CES08 = 39 | CES33 = 74 | CES58 = 76 | CES83 = 91 |
| CES09 = 29 | CES34 = 78 | CES59 = 87 | CES84 = 89 |
| CES10 = 75 | CES35 = 89 | CES60 = 93 | CES85 = 80 |
| CES11 = 58 | CES36 = 98 | CES61 = 86 | CES86 = 66 |
| CES12 = 64 | CES37 = 86 | CES62 = 89 | CES87 = 79 |
| CES13 = 43 | CES38 = 82 | CES63 = 77 | CES88 = 79 |
| CES14 = 74 | CES39 = 95 | CES64 = 74 | CES89 = 70 |
| CES15 = 71 | CES40 = 91 | CES65 = 68 | CES90 = 77 |
| CES16 = 47 | CES41 = 89 | CES66 = 71 | CES91 = 88 |
| CES17 = 50 | CES42 = 88 | CES67 = 69 | CES92 = 60 |
| CES18 = 56 | CES43 = 82 | CES68 = 74 | CES93 = 77 |
| CES19 = 72 | CES44 = 99 | CES69 = 82 | CES94 = 52 |
| CES20 = 65 | CES45 = 87 | CES70 = 67 | CES95 = 69 |
| CES21 = 86 | CES46 = 82 | CES71 = 66 | CES96 = 78 |
| CES22 = 79 | CES47 = 82 | CES72 = 88 | CES97 = 85 |
| CES23 = 92 | CES48 = 72 | CES73 = 59 | CES98 = 76 |
| CES24 = 91 | CES49 = 82 | CES74 = 97 | CES99 = 63 |
| CES25 = 72 | CES50 = 88 | CES75 = 66 | |



Color Rendition by Hue-Angle Bin



Measure Comparisons



(END OF REPORT)