

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: STREETWORKS

Report Number: P1385690

Luminaire Tested: **VAL-T-SB5D-727-U-SLL**

Issue Date: 02/18/2026

This test was performed under the Supervised Manufacturer's Testing Program. The results of this test have not been influenced by sources from within Cooper Lighting Solutions or from external interests.

Report Generated By 670245763



Test Information

Test Method: LM-79-08
 Report Number: P1385690
 Test Lab: INNOVATION CENTER(G1)
 Issue Date: 02/18/2026
 Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
 Product Line: STREETWORKS
 Catalog Number: VAL-T-SB5D-727-U-SLL
 Description: GALLEON II WALL SLIM HIGH DENSITY LED ARRAYS 55 SQUARE 294W 70CRI
 2700K FIXTURE w/ 90° Spill Light Eliminator LEFT OPTIC
 Light Source: (130) 2700K CCT, 70 CRI LEDS
 Ballast/Driver: ELECTRONIC DRIVER

| Luminaire Equipment: | Sample No. | Condition | Description |
|----------------------|------------|-----------|-------------|
| | a | good | reflector |
| | b | good | lens |
| | c | good | housing |
| | d | good | cord |

Summary

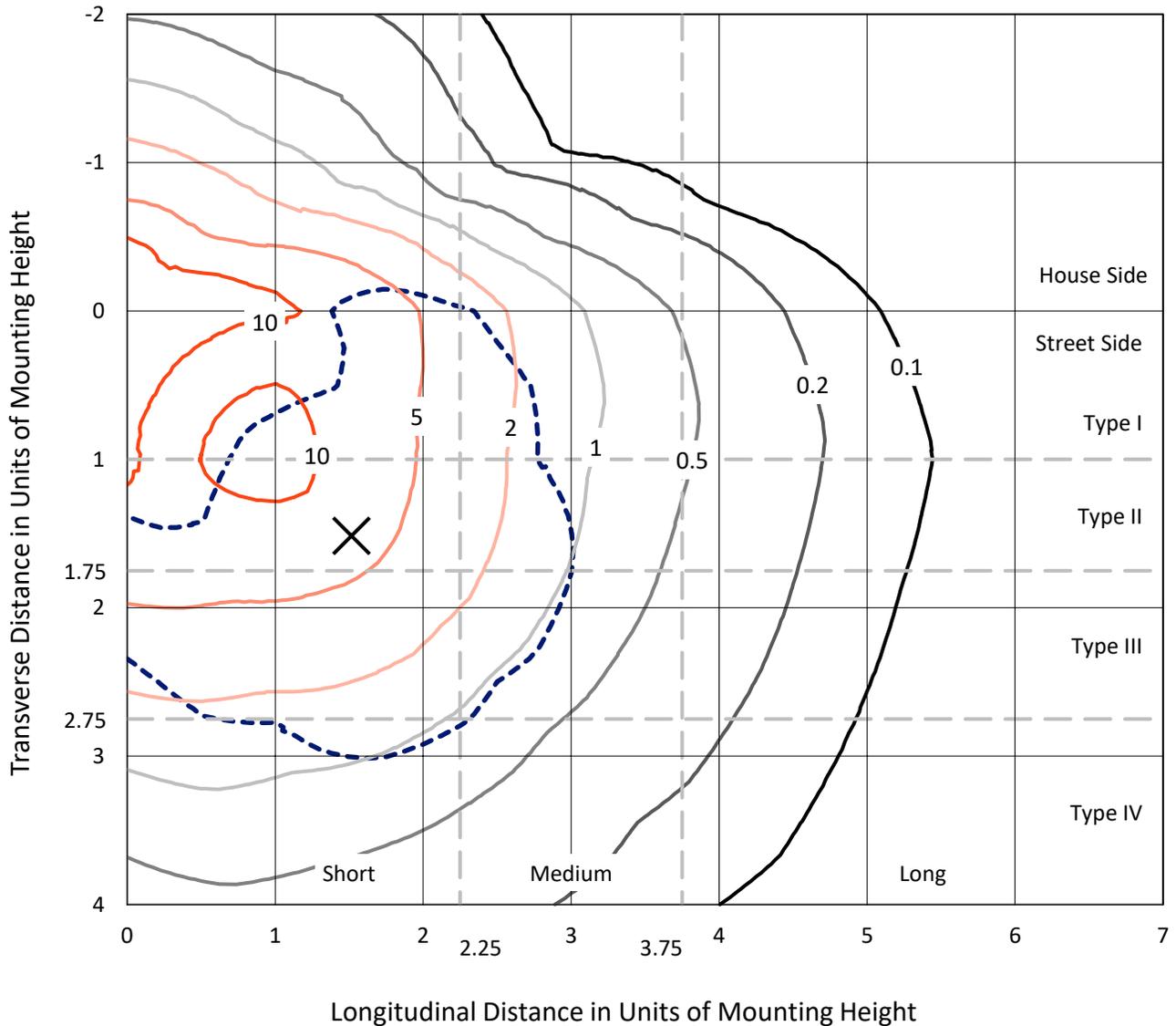
Lumens per Lamp: N/A
 Luminaire Lumens: 35246 lumens
 Efficiency: N/A
 Efficacy: 119.9 lumens/watt
 Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
 IES Classification: Type IV - Short
 BUG Rating: B3 - U0 - G4

Input Watts (W): 294
 Input Voltage (V): 120
 Input Current (Ain): NR
 Voltage Rise (V): NR
 Power Factor: 0.98
 Total Harmonic Distortion (THDi): --
 Frequency (hertz): 60
 Stabilization Time: NR
 Operation Time: NR
 Ambient Temperature (°C): NR
 Test Distance: 28.75 FT

REPORT NUMBER: P1385690
 CATALOG NUMBER: VAL-T-SB5D-727-U-SLL

Iso-Footcandle Lines of Horizontal Illumination

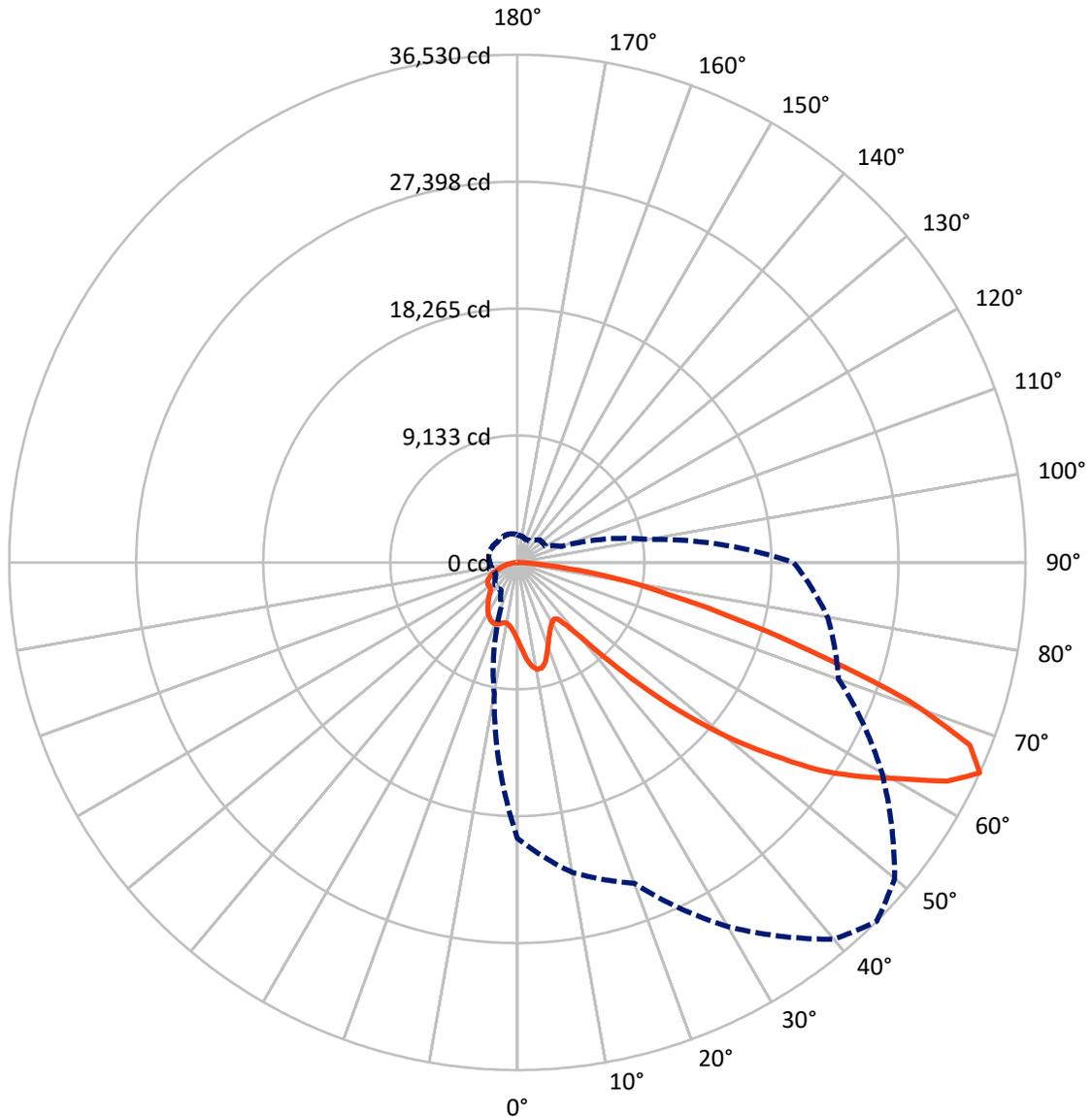
✕ Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 18.7 fc
 Type IV - Short - N/A

REPORT NUMBER: P1385690
CATALOG NUMBER: VAL-T-SB5D-727-U-SLL

Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 65-Deg Vertical

REPORT NUMBER: P1385690
 CATALOG NUMBER: VAL-T-SB5D-727-U-SLL

FLUX DISTRIBUTION:

| | | Downward | Upward | Total |
|--------------------|-----------|----------|--------|---------|
| House Side | Lumens | 9481.9 | 0.0 | 9481.9 |
| | % Fixture | 26.9 | 0.0 | 26.9 |
| Street Side | Lumens | 25764.1 | 0.0 | 25764.1 |
| | % Fixture | 73.1 | 0.0 | 73.1 |
| Total | Lumens | 35246.0 | 0.0 | 35246.0 |
| | % Fixture | 100.0 | 0.0 | 100.0 |

Coefficient of Utilization

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|---------|-----------|
| 0°-10° | 554.9 | 1.6 |
| 10°-20° | 1700.6 | 4.8 |
| 20°-30° | 2631.9 | 7.5 |
| 30°-40° | 3265.4 | 9.3 |
| 40°-50° | 4775.0 | 13.5 |
| 50°-60° | 7479.5 | 21.2 |
| 60°-70° | 8874.9 | 25.2 |
| 70°-80° | 5176.3 | 14.7 |
| 80°-90° | 787.5 | 2.2 |
| 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° | 35246.0 | 100.0 |
| 0°-180° | 35246.0 | 100.0 |

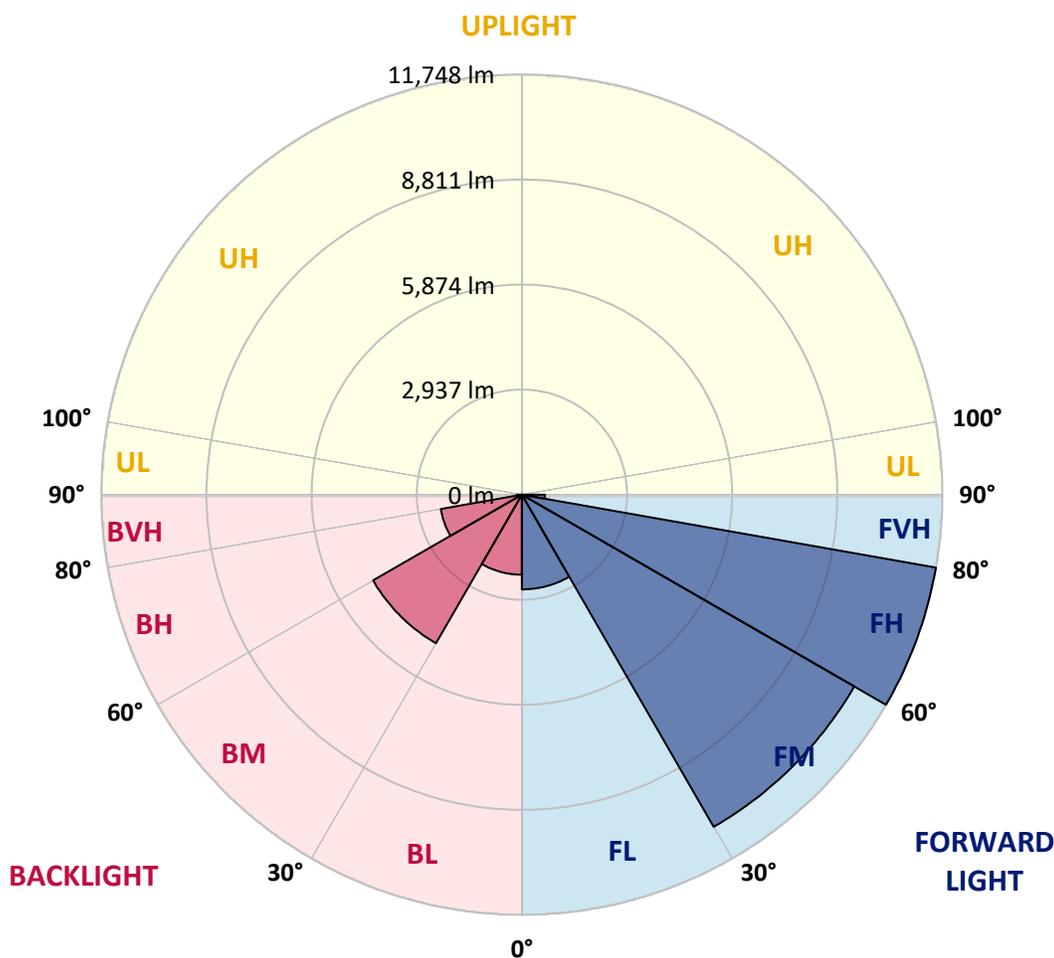


REPORT NUMBER: P1385690
 CATALOG NUMBER: VAL-T-SB5D-727-U-SLL

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

| Zone | Lumens | % Fixture | Zone Rating/Lumen Limit | | |
|----------------|---------|-----------|-------------------------|------|----------|
| | | | B | U | G |
| FL (0°-30°) | 2649.1 | 7.5 | | | |
| FM (30°-60°) | 10722.6 | 30.4 | | | |
| FH (60°-80°) | 11748.4 | 33.3 | | | G4/12000 |
| FVH (80°-90°) | 644.0 | 1.8 | | | G4/750 |
| BL (0°-30°) | 2238.4 | 6.4 | B3/2500 | | |
| BM (30°-60°) | 4797.4 | 13.6 | B3/5000 | | |
| BH (60°-80°) | 2302.8 | 6.5 | B3/2500 | | G3/2500 |
| BVH (80°-90°) | 143.4 | 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-G4
 Type IV Short





REPORT NUMBER: P1385690

CATALOG NUMBER: VAL-T-SB5D-727-U-SLL

CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 10° | 15° | 20° | 25° | 30° | 35° | 40° | 45° | 50° |
|-------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 0° | 5620.0 | 5620.0 | 5620.0 | 5620.0 | 5620.0 | 5620.0 | 5620.0 | 5620.0 | 5620.0 | 5620.0 | 5620.0 |
| 2.5° | 6072.6 | 6094.1 | 6115.7 | 6138.9 | 6163.1 | 6176.9 | 6190.7 | 6205.3 | 6219.1 | 6232.0 | 6219.1 |
| 5° | 6486.3 | 6583.7 | 6680.3 | 6745.8 | 6811.3 | 6861.3 | 6911.3 | 6939.7 | 6969.0 | 6973.3 | 6969.0 |
| 7.5° | 6904.4 | 7019.9 | 7135.4 | 7235.4 | 7335.4 | 7399.1 | 7462.9 | 7500.0 | 7537.9 | 7550.9 | 7537.9 |
| 10° | 7167.3 | 7302.6 | 7438.8 | 7535.3 | 7632.7 | 7692.2 | 7750.8 | 7780.1 | 7809.4 | 7818.1 | 7809.4 |
| 12.5° | 7300.9 | 7431.0 | 7561.2 | 7636.2 | 7710.3 | 7748.2 | 7785.3 | 7799.1 | 7811.2 | 7800.8 | 7811.2 |
| 15° | 7365.5 | 7442.2 | 7518.1 | 7550.0 | 7581.0 | 7562.9 | 7544.0 | 7517.2 | 7490.5 | 7473.3 | 7490.5 |
| 17.5° | 7382.8 | 7409.5 | 7437.1 | 7379.3 | 7322.4 | 7219.0 | 7115.6 | 7038.0 | 6960.4 | 6904.4 | 6960.4 |
| 20° | 7438.8 | 7395.7 | 7352.6 | 7199.2 | 7046.6 | 6852.7 | 6658.7 | 6528.6 | 6397.5 | 6318.2 | 6397.5 |
| 22.5° | 7499.1 | 7377.6 | 7256.1 | 6998.3 | 6740.6 | 6475.1 | 6210.5 | 6060.5 | 5911.4 | 5826.9 | 5911.4 |
| 25° | 7594.0 | 7385.4 | 7175.9 | 6827.7 | 6480.3 | 6168.3 | 5857.1 | 5694.2 | 5532.1 | 5439.0 | 5532.1 |
| 27.5° | 7731.9 | 7412.9 | 7094.0 | 6663.0 | 6232.0 | 5894.1 | 5555.4 | 5400.2 | 5245.1 | 5163.2 | 5245.1 |
| 30° | 7925.8 | 7502.6 | 7078.5 | 6563.0 | 6046.7 | 5693.3 | 5339.9 | 5188.2 | 5035.6 | 4947.7 | 5035.6 |
| 32.5° | 8162.9 | 7628.4 | 7094.0 | 6516.5 | 5939.0 | 5578.7 | 5219.2 | 5073.6 | 4928.7 | 4852.9 | 4928.7 |
| 35° | 8563.7 | 7887.0 | 7210.4 | 6569.9 | 5930.4 | 5595.9 | 5262.3 | 5155.4 | 5049.4 | 5008.0 | 5049.4 |
| 37.5° | 9072.2 | 8281.8 | 7490.5 | 6831.1 | 6171.7 | 5944.1 | 5716.6 | 5716.6 | 5716.6 | 5749.3 | 5716.6 |
| 40° | 9822.1 | 8934.3 | 8046.5 | 7422.4 | 6799.2 | 6785.4 | 6773.4 | 6918.2 | 7063.8 | 7128.5 | 7063.8 |
| 42.5° | 10873.7 | 9935.1 | 8997.2 | 8493.8 | 7990.5 | 8292.1 | 8593.8 | 9012.8 | 9431.7 | 9705.8 | 9431.7 |
| 45° | 12179.6 | 11265.9 | 10352.3 | 10000.6 | 9649.8 | 10321.2 | 10991.8 | 11732.3 | 12472.7 | 12998.5 | 12472.7 |
| 47.5° | 13429.5 | 12660.6 | 11890.9 | 11690.0 | 11490.1 | 12606.3 | 13722.6 | 14807.8 | 15893.0 | 16532.6 | 15893.0 |
| 50° | 14877.6 | 14186.3 | 13494.1 | 13455.3 | 13416.6 | 14903.5 | 16390.4 | 17791.1 | 19191.8 | 19971.8 | 19191.8 |
| 52.5° | 16735.1 | 15975.7 | 15215.5 | 15246.5 | 15275.8 | 17042.0 | 18808.2 | 20501.9 | 22195.7 | 23074.9 | 22195.7 |
| 55° | 18954.7 | 18002.2 | 17049.8 | 17044.6 | 17039.4 | 19068.5 | 21099.3 | 23180.1 | 25262.6 | 26436.6 | 25262.6 |
| 57.5° | 21217.4 | 20325.2 | 19433.1 | 19221.1 | 19008.2 | 21130.3 | 23251.6 | 25549.6 | 27848.5 | 29082.9 | 27848.5 |
| 60° | 22915.5 | 22424.1 | 21932.8 | 21593.2 | 21254.4 | 23433.5 | 25613.4 | 27987.3 | 30360.3 | 31591.2 | 30360.3 |
| 62.5° | 22213.0 | 23091.3 | 23969.7 | 23944.7 | 23919.7 | 26272.0 | 28624.3 | 31093.0 | 33563.4 | 34668.4 | 33563.4 |
| 65° | 19842.5 | 21243.2 | 22643.9 | 23607.6 | 24570.4 | 27414.1 | 30256.9 | 32829.0 | 35401.1 | 36530.3 | 35401.1 |
| 67.5° | 17618.7 | 18853.0 | 20088.2 | 20876.9 | 21665.6 | 24869.6 | 28074.4 | 30993.0 | 33911.6 | 35073.5 | 33911.6 |
| 70° | 15489.6 | 16856.7 | 18223.8 | 18787.5 | 19351.2 | 22073.3 | 24794.6 | 27103.8 | 29412.1 | 29867.3 | 29412.1 |
| 72.5° | 13295.9 | 14921.6 | 16548.1 | 16786.9 | 17025.6 | 19006.4 | 20987.2 | 22217.3 | 23447.3 | 22454.3 | 23447.3 |
| 75° | 10886.7 | 12720.9 | 14554.4 | 14713.8 | 14873.3 | 15490.5 | 16108.5 | 16421.4 | 16735.1 | 16170.6 | 16735.1 |
| 77.5° | 7240.5 | 8828.3 | 10416.9 | 10774.6 | 11132.3 | 11543.5 | 11955.5 | 11934.0 | 11912.4 | 11119.4 | 11912.4 |
| 80° | 4249.5 | 5491.6 | 6733.7 | 6780.3 | 6826.8 | 7135.4 | 7443.1 | 7757.7 | 8072.3 | 7568.1 | 8072.3 |
| 82.5° | 2124.8 | 2806.6 | 3489.3 | 3594.4 | 3699.6 | 3888.3 | 4077.1 | 4165.0 | 4253.8 | 3827.1 | 4253.8 |
| 85° | 482.7 | 660.3 | 837.8 | 1009.4 | 1180.9 | 1379.2 | 1577.4 | 1555.0 | 1532.6 | 1293.0 | 1532.6 |
| 87.5° | 38.8 | 39.7 | 41.4 | 42.2 | 43.1 | 44.0 | 44.8 | 47.4 | 50.0 | 51.7 | 50.0 |
| 90° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |



REPORT NUMBER: P1385690

CATALOG NUMBER: VAL-T-SB5D-727-U-SLL

CANDELA DISTRIBUTION (continued):

| | 55° | 60° | 65° | 70° | 75° | 80° | 85° | 90° | 95° | 100° | 105° |
|-------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 0° | 5620.0 | 5620.0 | 5620.0 | 5620.0 | 5620.0 | 5620.0 | 5620.0 | 5620.0 | 5620.0 | 5620.0 | 5620.0 |
| 2.5° | 6205.3 | 6190.7 | 6176.9 | 6163.1 | 6138.9 | 6115.7 | 6094.1 | 6072.6 | 6017.4 | 5963.1 | 5913.1 |
| 5° | 6939.7 | 6911.3 | 6861.3 | 6811.3 | 6745.8 | 6680.3 | 6583.7 | 6486.3 | 6388.9 | 6292.4 | 6190.7 |
| 7.5° | 7500.0 | 7462.9 | 7399.1 | 7335.4 | 7235.4 | 7135.4 | 7019.9 | 6904.4 | 6740.6 | 6576.8 | 6422.5 |
| 10° | 7780.1 | 7750.8 | 7692.2 | 7632.7 | 7535.3 | 7438.8 | 7302.6 | 7167.3 | 6971.6 | 6775.1 | 6583.7 |
| 12.5° | 7799.1 | 7785.3 | 7748.2 | 7710.3 | 7636.2 | 7561.2 | 7431.0 | 7300.9 | 7106.1 | 6911.3 | 6696.6 |
| 15° | 7517.2 | 7544.0 | 7562.9 | 7581.0 | 7550.0 | 7518.1 | 7442.2 | 7365.5 | 7168.1 | 6971.6 | 6753.5 |
| 17.5° | 7038.0 | 7115.6 | 7219.0 | 7322.4 | 7379.3 | 7437.1 | 7409.5 | 7382.8 | 7198.3 | 7014.7 | 6782.0 |
| 20° | 6528.6 | 6658.7 | 6852.7 | 7046.6 | 7199.2 | 7352.6 | 7395.7 | 7438.8 | 7252.6 | 7066.4 | 6816.5 |
| 22.5° | 6060.5 | 6210.5 | 6475.1 | 6740.6 | 6998.3 | 7256.1 | 7377.6 | 7499.1 | 7328.5 | 7158.7 | 6883.7 |
| 25° | 5694.2 | 5857.1 | 6168.3 | 6480.3 | 6827.7 | 7175.9 | 7385.4 | 7594.0 | 7446.6 | 7299.2 | 6999.2 |
| 27.5° | 5400.2 | 5555.4 | 5894.1 | 6232.0 | 6663.0 | 7094.0 | 7412.9 | 7731.9 | 7619.0 | 7506.0 | 7168.1 |
| 30° | 5188.2 | 5339.9 | 5693.3 | 6046.7 | 6563.0 | 7078.5 | 7502.6 | 7925.8 | 7837.0 | 7749.1 | 7368.1 |
| 32.5° | 5073.6 | 5219.2 | 5578.7 | 5939.0 | 6516.5 | 7094.0 | 7628.4 | 8162.9 | 8107.7 | 8052.5 | 7603.4 |
| 35° | 5155.4 | 5262.3 | 5595.9 | 5930.4 | 6569.9 | 7210.4 | 7887.0 | 8563.7 | 8494.7 | 8425.8 | 7853.4 |
| 37.5° | 5716.6 | 5716.6 | 5944.1 | 6171.7 | 6831.1 | 7490.5 | 8281.8 | 9072.2 | 8990.3 | 8908.5 | 8158.5 |
| 40° | 6918.2 | 6773.4 | 6785.4 | 6799.2 | 7422.4 | 8046.5 | 8934.3 | 9822.1 | 9661.0 | 9498.9 | 8507.6 |
| 42.5° | 9012.8 | 8593.8 | 8292.1 | 7990.5 | 8493.8 | 8997.2 | 9935.1 | 10873.7 | 10532.4 | 10190.2 | 8893.8 |
| 45° | 11732.3 | 10991.8 | 10321.2 | 9649.8 | 10000.6 | 10352.3 | 11265.9 | 12179.6 | 11632.3 | 11084.9 | 9417.9 |
| 47.5° | 14807.8 | 13722.6 | 12606.3 | 11490.1 | 11690.0 | 11890.9 | 12660.6 | 13429.5 | 12736.5 | 12043.4 | 9956.6 |
| 50° | 17791.1 | 16390.4 | 14903.5 | 13416.6 | 13455.3 | 13494.1 | 14186.3 | 14877.6 | 13938.1 | 12998.5 | 10426.4 |
| 52.5° | 20501.9 | 18808.2 | 17042.0 | 15275.8 | 15246.5 | 15215.5 | 15975.7 | 16735.1 | 15243.1 | 13750.1 | 10648.8 |
| 55° | 23180.1 | 21099.3 | 19068.5 | 17039.4 | 17044.6 | 17049.8 | 18002.2 | 18954.7 | 16554.1 | 14153.5 | 10590.2 |
| 57.5° | 25549.6 | 23251.6 | 21130.3 | 19008.2 | 19221.1 | 19433.1 | 20325.2 | 21217.4 | 17654.9 | 14093.2 | 10270.4 |
| 60° | 27987.3 | 25613.4 | 23433.5 | 21254.4 | 21593.2 | 21932.8 | 22424.1 | 22915.5 | 18147.9 | 13379.5 | 9504.1 |
| 62.5° | 31093.0 | 28624.3 | 26272.0 | 23919.7 | 23944.7 | 23969.7 | 23091.3 | 22213.0 | 17054.1 | 11895.2 | 8248.2 |
| 65° | 32829.0 | 30256.9 | 27414.1 | 24570.4 | 23607.6 | 22643.9 | 21243.2 | 19842.5 | 14709.5 | 9576.5 | 6469.9 |
| 67.5° | 30993.0 | 28074.4 | 24869.6 | 21665.6 | 20876.9 | 20088.2 | 18853.0 | 17618.7 | 12633.0 | 7647.4 | 5034.8 |
| 70° | 27103.8 | 24794.6 | 22073.3 | 19351.2 | 18787.5 | 18223.8 | 16856.7 | 15489.6 | 10732.4 | 5975.2 | 3858.2 |
| 72.5° | 22217.3 | 20987.2 | 19006.4 | 17025.6 | 16786.9 | 16548.1 | 14921.6 | 13295.9 | 8911.9 | 4527.1 | 2900.5 |
| 75° | 16421.4 | 16108.5 | 15490.5 | 14873.3 | 14713.8 | 14554.4 | 12720.9 | 10886.7 | 7115.6 | 3344.4 | 2149.8 |
| 77.5° | 11934.0 | 11955.5 | 11543.5 | 11132.3 | 10774.6 | 10416.9 | 8828.3 | 7240.5 | 4668.4 | 2096.3 | 1389.5 |
| 80° | 7757.7 | 7443.1 | 7135.4 | 6826.8 | 6780.3 | 6733.7 | 5491.6 | 4249.5 | 2676.4 | 1103.3 | 768.0 |
| 82.5° | 4165.0 | 4077.1 | 3888.3 | 3699.6 | 3594.4 | 3489.3 | 2806.6 | 2124.8 | 1341.2 | 558.6 | 412.9 |
| 85° | 1555.0 | 1577.4 | 1379.2 | 1180.9 | 1009.4 | 837.8 | 660.3 | 482.7 | 318.9 | 155.2 | 131.0 |
| 87.5° | 47.4 | 44.8 | 44.0 | 43.1 | 42.2 | 41.4 | 39.7 | 38.8 | 37.9 | 36.2 | 35.3 |
| 90° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |



REPORT NUMBER: P1385690

CATALOG NUMBER: VAL-T-SB5D-727-U-SLL

CANDELA DISTRIBUTION (continued):

| | 110° | 115° | 120° | 125° | 130° | 135° | 140° | 145° | 150° | 155° | 160° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 5620.0 | 5620.0 | 5620.0 | 5620.0 | 5620.0 | 5620.0 | 5620.0 | 5620.0 | 5620.0 | 5620.0 | 5620.0 |
| 2.5° | 5863.1 | 5813.1 | 5762.3 | 5714.0 | 5664.9 | 5615.7 | 5572.6 | 5526.1 | 5480.4 | 5444.2 | 5408.9 |
| 5° | 6089.8 | 5990.7 | 5891.6 | 5797.6 | 5704.5 | 5607.1 | 5523.5 | 5440.8 | 5359.7 | 5292.5 | 5225.3 |
| 7.5° | 6268.2 | 6130.3 | 5992.4 | 5869.2 | 5745.0 | 5615.7 | 5514.9 | 5414.0 | 5314.0 | 5227.0 | 5139.1 |
| 10° | 6391.5 | 6221.7 | 6051.0 | 5908.8 | 5766.6 | 5628.7 | 5520.9 | 5414.9 | 5309.7 | 5220.1 | 5130.4 |
| 12.5° | 6482.0 | 6291.5 | 6101.0 | 5944.1 | 5788.1 | 5637.3 | 5532.1 | 5444.2 | 5357.1 | 5294.2 | 5232.2 |
| 15° | 6535.5 | 6330.3 | 6124.3 | 5947.6 | 5770.9 | 5602.8 | 5509.7 | 5452.8 | 5395.9 | 5390.8 | 5385.6 |
| 17.5° | 6549.2 | 6314.8 | 6081.2 | 5875.2 | 5670.0 | 5473.5 | 5394.2 | 5386.4 | 5378.7 | 5464.0 | 5549.4 |
| 20° | 6566.5 | 6291.5 | 6016.5 | 5745.9 | 5475.2 | 5214.9 | 5164.9 | 5214.1 | 5262.3 | 5429.5 | 5595.9 |
| 22.5° | 6609.6 | 6273.4 | 5937.2 | 5597.6 | 5258.0 | 4947.7 | 4900.3 | 4972.7 | 5044.2 | 5262.3 | 5480.4 |
| 25° | 6699.2 | 6271.7 | 5844.2 | 5420.9 | 4997.7 | 4641.7 | 4637.4 | 4715.8 | 4794.3 | 4996.0 | 5197.7 |
| 27.5° | 6831.1 | 6288.1 | 5745.0 | 5239.9 | 4733.9 | 4370.2 | 4391.7 | 4466.7 | 4542.6 | 4692.6 | 4842.5 |
| 30° | 6986.3 | 6323.4 | 5661.4 | 5082.2 | 4503.8 | 4150.4 | 4173.7 | 4232.3 | 4290.9 | 4399.5 | 4508.1 |
| 32.5° | 7154.3 | 6363.1 | 5572.6 | 4944.3 | 4316.7 | 3990.9 | 3990.9 | 4015.9 | 4040.9 | 4111.6 | 4182.3 |
| 35° | 7281.9 | 6353.6 | 5426.1 | 4787.4 | 4147.8 | 3896.1 | 3842.7 | 3822.0 | 3801.3 | 3847.8 | 3894.4 |
| 37.5° | 7408.6 | 6326.9 | 5245.1 | 4613.3 | 3982.3 | 3784.0 | 3682.3 | 3627.2 | 3570.3 | 3592.7 | 3613.4 |
| 40° | 7516.4 | 6266.5 | 5016.7 | 4405.5 | 3794.4 | 3637.5 | 3509.9 | 3427.2 | 3344.4 | 3342.7 | 3340.1 |
| 42.5° | 7595.7 | 6162.2 | 4727.9 | 4158.1 | 3587.5 | 3478.0 | 3320.3 | 3215.1 | 3110.0 | 3098.8 | 3087.6 |
| 45° | 7750.8 | 6090.7 | 4430.5 | 3906.4 | 3383.2 | 3284.1 | 3127.2 | 3018.6 | 2911.7 | 2894.5 | 2877.3 |
| 47.5° | 7869.8 | 6007.1 | 4144.4 | 3656.5 | 3170.3 | 3055.7 | 2909.1 | 2816.9 | 2723.8 | 2713.5 | 2702.3 |
| 50° | 7854.3 | 5864.8 | 3874.6 | 3434.1 | 2992.8 | 2835.9 | 2691.1 | 2615.2 | 2538.5 | 2551.4 | 2564.4 |
| 52.5° | 7546.5 | 5573.5 | 3601.3 | 3234.1 | 2868.6 | 2667.8 | 2512.6 | 2455.8 | 2398.0 | 2438.5 | 2478.2 |
| 55° | 7026.8 | 5187.3 | 3346.2 | 3066.9 | 2785.9 | 2585.9 | 2403.2 | 2339.4 | 2275.6 | 2332.5 | 2389.4 |
| 57.5° | 6447.5 | 4783.1 | 3118.6 | 2925.5 | 2732.4 | 2564.4 | 2340.2 | 2250.6 | 2161.8 | 2218.7 | 2275.6 |
| 60° | 5628.7 | 4271.9 | 2915.2 | 2779.9 | 2644.5 | 2512.6 | 2288.5 | 2176.5 | 2064.4 | 2102.3 | 2139.4 |
| 62.5° | 4601.2 | 3623.7 | 2646.2 | 2570.4 | 2495.4 | 2439.4 | 2225.6 | 2079.1 | 1932.5 | 1937.7 | 1941.2 |
| 65° | 3363.4 | 2847.9 | 2331.6 | 2315.3 | 2299.7 | 2284.2 | 2107.5 | 1949.8 | 1792.9 | 1775.7 | 1758.4 |
| 67.5° | 2422.1 | 2177.3 | 1932.5 | 1978.2 | 2023.9 | 2047.2 | 1926.5 | 1787.7 | 1648.1 | 1612.7 | 1577.4 |
| 70° | 1741.2 | 1655.0 | 1568.8 | 1636.9 | 1705.0 | 1698.1 | 1639.5 | 1556.7 | 1474.0 | 1451.6 | 1429.1 |
| 72.5° | 1274.0 | 1272.3 | 1271.4 | 1323.1 | 1374.8 | 1305.9 | 1342.9 | 1324.0 | 1305.9 | 1289.5 | 1274.0 |
| 75° | 955.1 | 949.0 | 943.9 | 1005.1 | 1067.1 | 1094.7 | 1118.8 | 1108.5 | 1099.0 | 1086.9 | 1075.7 |
| 77.5° | 682.7 | 687.9 | 691.3 | 758.5 | 825.8 | 905.1 | 909.4 | 887.0 | 863.7 | 851.6 | 837.8 |
| 80° | 432.7 | 437.9 | 441.3 | 512.0 | 581.8 | 693.9 | 689.6 | 662.0 | 633.5 | 624.1 | 613.7 |
| 82.5° | 267.2 | 268.1 | 268.9 | 303.4 | 337.9 | 400.8 | 418.1 | 418.1 | 418.1 | 412.0 | 405.1 |
| 85° | 107.7 | 112.9 | 119.0 | 141.4 | 163.8 | 198.3 | 208.6 | 210.3 | 211.2 | 201.7 | 191.4 |
| 87.5° | 34.5 | 36.2 | 38.8 | 43.1 | 47.4 | 51.7 | 60.3 | 65.5 | 70.7 | 75.9 | 79.3 |
| 90° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |



REPORT NUMBER: P1385690

CATALOG NUMBER: VAL-T-SB5D-727-U-SLL

CANDELA DISTRIBUTION (continued):

| | 165° | 170° | 175° | 180° | 185° | 190° | 195° | 200° | 205° | 210° | 215° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 5620.0 | 5620.0 | 5620.0 | 5620.0 | 5620.0 | 5620.0 | 5620.0 | 5620.0 | 5620.0 | 5620.0 | 5620.0 |
| 2.5° | 5377.8 | 5345.9 | 5308.9 | 5270.9 | 5244.2 | 5216.6 | 5198.5 | 5180.4 | 5171.8 | 5163.2 | 5156.3 |
| 5° | 5170.1 | 5113.2 | 5063.2 | 5012.4 | 4972.7 | 4932.2 | 4899.4 | 4865.8 | 4852.0 | 4837.4 | 4827.9 |
| 7.5° | 5064.9 | 4990.8 | 4928.7 | 4865.8 | 4806.3 | 4747.7 | 4709.8 | 4671.9 | 4649.5 | 4627.1 | 4610.7 |
| 10° | 5052.0 | 4973.6 | 4891.7 | 4809.8 | 4744.3 | 4678.8 | 4621.9 | 4566.7 | 4534.8 | 4503.8 | 4486.6 |
| 12.5° | 5159.8 | 5087.3 | 4989.9 | 4891.7 | 4802.9 | 4715.0 | 4645.2 | 4575.3 | 4535.7 | 4497.8 | 4471.9 |
| 15° | 5360.6 | 5335.6 | 5245.1 | 5154.6 | 5032.2 | 4908.9 | 4808.9 | 4708.1 | 4652.9 | 4596.0 | 4564.1 |
| 17.5° | 5598.5 | 5647.6 | 5584.7 | 5520.9 | 5348.5 | 5176.1 | 5027.0 | 4878.7 | 4797.7 | 4716.7 | 4688.3 |
| 20° | 5728.7 | 5861.4 | 5854.5 | 5848.5 | 5623.5 | 5397.7 | 5202.0 | 5006.3 | 4897.7 | 4790.8 | 4747.7 |
| 22.5° | 5671.8 | 5863.1 | 5912.3 | 5960.5 | 5739.9 | 5518.3 | 5277.0 | 5035.6 | 4908.1 | 4779.6 | 4739.1 |
| 25° | 5403.7 | 5609.7 | 5701.1 | 5792.4 | 5610.6 | 5428.7 | 5194.2 | 4960.6 | 4826.2 | 4690.8 | 4649.5 |
| 27.5° | 5008.0 | 5173.5 | 5276.1 | 5378.7 | 5267.5 | 5156.3 | 4966.7 | 4777.0 | 4658.1 | 4538.3 | 4494.3 |
| 30° | 4620.2 | 4732.2 | 4814.1 | 4896.0 | 4822.7 | 4749.5 | 4613.3 | 4477.9 | 4389.1 | 4301.2 | 4273.6 |
| 32.5° | 4265.9 | 4348.6 | 4394.3 | 4439.1 | 4382.3 | 4325.4 | 4235.7 | 4146.1 | 4090.9 | 4035.7 | 4017.6 |
| 35° | 3961.6 | 4029.7 | 4064.2 | 4098.7 | 4051.3 | 4003.8 | 3923.7 | 3844.4 | 3804.7 | 3765.1 | 3750.4 |
| 37.5° | 3671.1 | 3728.0 | 3777.2 | 3827.1 | 3792.7 | 3758.2 | 3690.1 | 3622.0 | 3575.5 | 3527.2 | 3501.3 |
| 40° | 3395.3 | 3449.6 | 3511.7 | 3572.9 | 3566.8 | 3559.9 | 3495.3 | 3430.6 | 3363.4 | 3297.0 | 3261.7 |
| 42.5° | 3141.9 | 3196.2 | 3261.7 | 3327.2 | 3340.1 | 3353.1 | 3299.6 | 3245.3 | 3167.7 | 3090.2 | 3035.9 |
| 45° | 2923.8 | 2972.1 | 3043.6 | 3116.0 | 3146.2 | 3176.4 | 3128.1 | 3079.0 | 2991.9 | 2904.8 | 2840.2 |
| 47.5° | 2751.4 | 2801.4 | 2880.7 | 2960.9 | 2992.8 | 3025.5 | 2992.8 | 2960.9 | 2885.9 | 2810.0 | 2753.1 |
| 50° | 2618.7 | 2672.1 | 2734.2 | 2797.1 | 2856.6 | 2915.2 | 2909.1 | 2903.1 | 2843.6 | 2784.2 | 2730.7 |
| 52.5° | 2527.3 | 2577.3 | 2641.9 | 2706.6 | 2768.6 | 2831.6 | 2841.1 | 2851.4 | 2808.3 | 2765.2 | 2718.7 |
| 55° | 2448.9 | 2508.3 | 2568.7 | 2629.0 | 2687.6 | 2745.4 | 2758.3 | 2771.2 | 2740.2 | 2708.3 | 2673.8 |
| 57.5° | 2340.2 | 2404.9 | 2465.2 | 2525.6 | 2593.7 | 2661.8 | 2672.1 | 2682.4 | 2649.7 | 2616.1 | 2590.2 |
| 60° | 2205.8 | 2271.3 | 2334.2 | 2396.3 | 2465.2 | 2534.2 | 2548.0 | 2561.8 | 2535.9 | 2510.1 | 2485.9 |
| 62.5° | 2016.1 | 2090.3 | 2142.0 | 2193.7 | 2259.2 | 2325.6 | 2345.4 | 2366.1 | 2354.0 | 2342.8 | 2315.3 |
| 65° | 1829.1 | 1900.6 | 1941.2 | 1982.5 | 2039.4 | 2096.3 | 2116.1 | 2136.0 | 2129.9 | 2124.8 | 2104.9 |
| 67.5° | 1642.9 | 1708.4 | 1742.0 | 1775.7 | 1814.4 | 1853.2 | 1875.6 | 1898.1 | 1886.9 | 1874.8 | 1854.1 |
| 70° | 1482.6 | 1536.0 | 1565.3 | 1594.6 | 1625.7 | 1656.7 | 1668.8 | 1680.8 | 1663.6 | 1646.4 | 1599.8 |
| 72.5° | 1314.5 | 1355.0 | 1380.0 | 1405.0 | 1434.3 | 1463.6 | 1470.5 | 1478.3 | 1451.6 | 1424.0 | 1369.7 |
| 75° | 1106.8 | 1137.8 | 1156.8 | 1176.6 | 1206.8 | 1236.9 | 1249.9 | 1262.8 | 1224.9 | 1187.8 | 1130.0 |
| 77.5° | 866.3 | 894.7 | 912.8 | 930.9 | 955.9 | 980.9 | 984.4 | 989.5 | 956.8 | 924.0 | 889.6 |
| 80° | 634.4 | 655.1 | 662.0 | 668.0 | 688.7 | 708.5 | 708.5 | 708.5 | 684.4 | 659.4 | 642.2 |
| 82.5° | 400.8 | 396.5 | 387.9 | 379.3 | 400.0 | 420.6 | 427.5 | 435.3 | 424.1 | 413.7 | 394.8 |
| 85° | 179.3 | 165.5 | 162.9 | 159.5 | 158.6 | 156.9 | 162.9 | 168.1 | 165.5 | 163.8 | 156.9 |
| 87.5° | 84.5 | 87.9 | 85.3 | 81.9 | 78.4 | 75.9 | 69.0 | 62.1 | 56.9 | 51.7 | 48.3 |
| 90° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |



REPORT NUMBER: P1385690

CATALOG NUMBER: VAL-T-SB5D-727-U-SLL

CANDELA DISTRIBUTION (continued):

| | 220° | 225° | 230° | 235° | 240° | 245° | 250° | 255° | 260° | 265° | 270° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 5620.0 | 5620.0 | 5620.0 | 5620.0 | 5620.0 | 5620.0 | 5620.0 | 5620.0 | 5620.0 | 5620.0 | 5620.0 |
| 2.5° | 5150.3 | 5146.0 | 5150.3 | 5156.3 | 5163.2 | 5171.8 | 5180.4 | 5198.5 | 5216.6 | 5244.2 | 5270.9 |
| 5° | 4818.4 | 4809.8 | 4818.4 | 4827.9 | 4837.4 | 4852.0 | 4865.8 | 4899.4 | 4932.2 | 4972.7 | 5012.4 |
| 7.5° | 4594.3 | 4585.7 | 4594.3 | 4610.7 | 4627.1 | 4649.5 | 4671.9 | 4709.8 | 4747.7 | 4806.3 | 4865.8 |
| 10° | 4469.3 | 4456.4 | 4469.3 | 4486.6 | 4503.8 | 4534.8 | 4566.7 | 4621.9 | 4678.8 | 4744.3 | 4809.8 |
| 12.5° | 4446.0 | 4430.5 | 4446.0 | 4471.9 | 4497.8 | 4535.7 | 4575.3 | 4645.2 | 4715.0 | 4802.9 | 4891.7 |
| 15° | 4532.2 | 4508.1 | 4532.2 | 4564.1 | 4596.0 | 4652.9 | 4708.1 | 4808.9 | 4908.9 | 5032.2 | 5154.6 |
| 17.5° | 4658.9 | 4646.0 | 4658.9 | 4688.3 | 4716.7 | 4797.7 | 4878.7 | 5027.0 | 5176.1 | 5348.5 | 5520.9 |
| 20° | 4704.6 | 4689.1 | 4704.6 | 4747.7 | 4790.8 | 4897.7 | 5006.3 | 5202.0 | 5397.7 | 5623.5 | 5848.5 |
| 22.5° | 4697.7 | 4680.5 | 4697.7 | 4739.1 | 4779.6 | 4908.1 | 5035.6 | 5277.0 | 5518.3 | 5739.9 | 5960.5 |
| 25° | 4607.2 | 4594.3 | 4607.2 | 4649.5 | 4690.8 | 4826.2 | 4960.6 | 5194.2 | 5428.7 | 5610.6 | 5792.4 |
| 27.5° | 4449.5 | 4421.9 | 4449.5 | 4494.3 | 4538.3 | 4658.1 | 4777.0 | 4966.7 | 5156.3 | 5267.5 | 5378.7 |
| 30° | 4245.2 | 4232.3 | 4245.2 | 4273.6 | 4301.2 | 4389.1 | 4477.9 | 4613.3 | 4749.5 | 4822.7 | 4896.0 |
| 32.5° | 3999.5 | 3990.9 | 3999.5 | 4017.6 | 4035.7 | 4090.9 | 4146.1 | 4235.7 | 4325.4 | 4382.3 | 4439.1 |
| 35° | 3736.6 | 3723.7 | 3736.6 | 3750.4 | 3765.1 | 3804.7 | 3844.4 | 3923.7 | 4003.8 | 4051.3 | 4098.7 |
| 37.5° | 3475.5 | 3456.5 | 3475.5 | 3501.3 | 3527.2 | 3575.5 | 3622.0 | 3690.1 | 3758.2 | 3792.7 | 3827.1 |
| 40° | 3225.5 | 3206.5 | 3225.5 | 3261.7 | 3297.0 | 3363.4 | 3430.6 | 3495.3 | 3559.9 | 3566.8 | 3572.9 |
| 42.5° | 2982.4 | 2947.9 | 2982.4 | 3035.9 | 3090.2 | 3167.7 | 3245.3 | 3299.6 | 3353.1 | 3340.1 | 3327.2 |
| 45° | 2775.5 | 2732.4 | 2775.5 | 2840.2 | 2904.8 | 2991.9 | 3079.0 | 3128.1 | 3176.4 | 3146.2 | 3116.0 |
| 47.5° | 2696.2 | 2654.9 | 2696.2 | 2753.1 | 2810.0 | 2885.9 | 2960.9 | 2992.8 | 3025.5 | 2992.8 | 2960.9 |
| 50° | 2676.4 | 2637.6 | 2676.4 | 2730.7 | 2784.2 | 2843.6 | 2903.1 | 2909.1 | 2915.2 | 2856.6 | 2797.1 |
| 52.5° | 2672.1 | 2637.6 | 2672.1 | 2718.7 | 2765.2 | 2808.3 | 2851.4 | 2841.1 | 2831.6 | 2768.6 | 2706.6 |
| 55° | 2639.4 | 2611.8 | 2639.4 | 2673.8 | 2708.3 | 2740.2 | 2771.2 | 2758.3 | 2745.4 | 2687.6 | 2629.0 |
| 57.5° | 2564.4 | 2551.4 | 2564.4 | 2590.2 | 2616.1 | 2649.7 | 2682.4 | 2672.1 | 2661.8 | 2593.7 | 2525.6 |
| 60° | 2460.9 | 2439.4 | 2460.9 | 2485.9 | 2510.1 | 2535.9 | 2561.8 | 2548.0 | 2534.2 | 2465.2 | 2396.3 |
| 62.5° | 2288.5 | 2258.4 | 2288.5 | 2315.3 | 2342.8 | 2354.0 | 2366.1 | 2345.4 | 2325.6 | 2259.2 | 2193.7 |
| 65° | 2086.0 | 2051.5 | 2086.0 | 2104.9 | 2124.8 | 2129.9 | 2136.0 | 2116.1 | 2096.3 | 2039.4 | 1982.5 |
| 67.5° | 1834.3 | 1827.4 | 1834.3 | 1854.1 | 1874.8 | 1886.9 | 1898.1 | 1875.6 | 1853.2 | 1814.4 | 1775.7 |
| 70° | 1553.3 | 1499.8 | 1553.3 | 1599.8 | 1646.4 | 1663.6 | 1680.8 | 1668.8 | 1656.7 | 1625.7 | 1594.6 |
| 72.5° | 1314.5 | 1258.5 | 1314.5 | 1369.7 | 1424.0 | 1451.6 | 1478.3 | 1470.5 | 1463.6 | 1434.3 | 1405.0 |
| 75° | 1073.2 | 1034.4 | 1073.2 | 1130.0 | 1187.8 | 1224.9 | 1262.8 | 1249.9 | 1236.9 | 1206.8 | 1176.6 |
| 77.5° | 855.1 | 836.1 | 855.1 | 889.6 | 924.0 | 956.8 | 989.5 | 984.4 | 980.9 | 955.9 | 930.9 |
| 80° | 624.9 | 612.0 | 624.9 | 642.2 | 659.4 | 684.4 | 708.5 | 708.5 | 708.5 | 688.7 | 668.0 |
| 82.5° | 375.0 | 362.0 | 375.0 | 394.8 | 413.7 | 424.1 | 435.3 | 427.5 | 420.6 | 400.0 | 379.3 |
| 85° | 150.8 | 146.5 | 150.8 | 156.9 | 163.8 | 165.5 | 168.1 | 162.9 | 156.9 | 158.6 | 159.5 |
| 87.5° | 44.8 | 43.1 | 44.8 | 48.3 | 51.7 | 56.9 | 62.1 | 69.0 | 75.9 | 78.4 | 81.9 |
| 90° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |



REPORT NUMBER: P1385690

CATALOG NUMBER: VAL-T-SB5D-727-U-SLL

CANDELA DISTRIBUTION (continued):

| | 275° | 280° | 285° | 290° | 295° | 300° | 305° | 310° | 315° | 320° | 325° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 5620.0 | 5620.0 | 5620.0 | 5620.0 | 5620.0 | 5620.0 | 5620.0 | 5620.0 | 5620.0 | 5620.0 | 5620.0 |
| 2.5° | 5308.9 | 5345.9 | 5377.8 | 5408.9 | 5444.2 | 5480.4 | 5526.1 | 5572.6 | 5615.7 | 5664.9 | 5714.0 |
| 5° | 5063.2 | 5113.2 | 5170.1 | 5225.3 | 5292.5 | 5359.7 | 5440.8 | 5523.5 | 5607.1 | 5704.5 | 5797.6 |
| 7.5° | 4928.7 | 4990.8 | 5064.9 | 5139.1 | 5227.0 | 5314.0 | 5414.0 | 5514.9 | 5615.7 | 5745.0 | 5869.2 |
| 10° | 4891.7 | 4973.6 | 5052.0 | 5130.4 | 5220.1 | 5309.7 | 5414.9 | 5520.9 | 5628.7 | 5766.6 | 5908.8 |
| 12.5° | 4989.9 | 5087.3 | 5159.8 | 5232.2 | 5294.2 | 5357.1 | 5444.2 | 5532.1 | 5637.3 | 5788.1 | 5944.1 |
| 15° | 5245.1 | 5335.6 | 5360.6 | 5385.6 | 5390.8 | 5395.9 | 5452.8 | 5509.7 | 5602.8 | 5770.9 | 5947.6 |
| 17.5° | 5584.7 | 5647.6 | 5598.5 | 5549.4 | 5464.0 | 5378.7 | 5386.4 | 5394.2 | 5473.5 | 5670.0 | 5875.2 |
| 20° | 5854.5 | 5861.4 | 5728.7 | 5595.9 | 5429.5 | 5262.3 | 5214.1 | 5164.9 | 5214.9 | 5475.2 | 5745.9 |
| 22.5° | 5912.3 | 5863.1 | 5671.8 | 5480.4 | 5262.3 | 5044.2 | 4972.7 | 4900.3 | 4947.7 | 5258.0 | 5597.6 |
| 25° | 5701.1 | 5609.7 | 5403.7 | 5197.7 | 4996.0 | 4794.3 | 4715.8 | 4637.4 | 4641.7 | 4997.7 | 5420.9 |
| 27.5° | 5276.1 | 5173.5 | 5008.0 | 4842.5 | 4692.6 | 4542.6 | 4466.7 | 4391.7 | 4370.2 | 4733.9 | 5239.9 |
| 30° | 4814.1 | 4732.2 | 4620.2 | 4508.1 | 4399.5 | 4290.9 | 4232.3 | 4173.7 | 4150.4 | 4503.8 | 5082.2 |
| 32.5° | 4394.3 | 4348.6 | 4265.9 | 4182.3 | 4111.6 | 4040.9 | 4015.9 | 3990.9 | 3990.9 | 4316.7 | 4944.3 |
| 35° | 4064.2 | 4029.7 | 3961.6 | 3894.4 | 3847.8 | 3801.3 | 3822.0 | 3842.7 | 3896.1 | 4147.8 | 4787.4 |
| 37.5° | 3777.2 | 3728.0 | 3671.1 | 3613.4 | 3592.7 | 3570.3 | 3627.2 | 3682.3 | 3784.0 | 3982.3 | 4613.3 |
| 40° | 3511.7 | 3449.6 | 3395.3 | 3340.1 | 3342.7 | 3344.4 | 3427.2 | 3509.9 | 3637.5 | 3794.4 | 4405.5 |
| 42.5° | 3261.7 | 3196.2 | 3141.9 | 3087.6 | 3098.8 | 3110.0 | 3215.1 | 3320.3 | 3478.0 | 3587.5 | 4158.1 |
| 45° | 3043.6 | 2972.1 | 2923.8 | 2877.3 | 2894.5 | 2911.7 | 3018.6 | 3127.2 | 3284.1 | 3383.2 | 3906.4 |
| 47.5° | 2880.7 | 2801.4 | 2751.4 | 2702.3 | 2713.5 | 2723.8 | 2816.9 | 2909.1 | 3055.7 | 3170.3 | 3656.5 |
| 50° | 2734.2 | 2672.1 | 2618.7 | 2564.4 | 2551.4 | 2538.5 | 2615.2 | 2691.1 | 2835.9 | 2992.8 | 3434.1 |
| 52.5° | 2641.9 | 2577.3 | 2527.3 | 2478.2 | 2438.5 | 2398.0 | 2455.8 | 2512.6 | 2667.8 | 2868.6 | 3234.1 |
| 55° | 2568.7 | 2508.3 | 2448.9 | 2389.4 | 2332.5 | 2275.6 | 2339.4 | 2403.2 | 2585.9 | 2785.9 | 3066.9 |
| 57.5° | 2465.2 | 2404.9 | 2340.2 | 2275.6 | 2218.7 | 2161.8 | 2250.6 | 2340.2 | 2564.4 | 2732.4 | 2925.5 |
| 60° | 2334.2 | 2271.3 | 2205.8 | 2139.4 | 2102.3 | 2064.4 | 2176.5 | 2288.5 | 2512.6 | 2644.5 | 2779.9 |
| 62.5° | 2142.0 | 2090.3 | 2016.1 | 1941.2 | 1937.7 | 1932.5 | 2079.1 | 2225.6 | 2439.4 | 2495.4 | 2570.4 |
| 65° | 1941.2 | 1900.6 | 1829.1 | 1758.4 | 1775.7 | 1792.9 | 1949.8 | 2107.5 | 2284.2 | 2299.7 | 2315.3 |
| 67.5° | 1742.0 | 1708.4 | 1642.9 | 1577.4 | 1612.7 | 1648.1 | 1787.7 | 1926.5 | 2047.2 | 2023.9 | 1978.2 |
| 70° | 1565.3 | 1536.0 | 1482.6 | 1429.1 | 1451.6 | 1474.0 | 1556.7 | 1639.5 | 1698.1 | 1705.0 | 1636.9 |
| 72.5° | 1380.0 | 1355.0 | 1314.5 | 1274.0 | 1289.5 | 1305.9 | 1324.0 | 1342.9 | 1305.9 | 1374.8 | 1323.1 |
| 75° | 1156.8 | 1137.8 | 1106.8 | 1075.7 | 1086.9 | 1099.0 | 1108.5 | 1118.8 | 1094.7 | 1067.1 | 1005.1 |
| 77.5° | 912.8 | 894.7 | 866.3 | 837.8 | 851.6 | 863.7 | 887.0 | 909.4 | 905.1 | 825.8 | 758.5 |
| 80° | 662.0 | 655.1 | 634.4 | 613.7 | 624.1 | 633.5 | 662.0 | 689.6 | 693.9 | 581.8 | 512.0 |
| 82.5° | 387.9 | 396.5 | 400.8 | 405.1 | 412.0 | 418.1 | 418.1 | 418.1 | 400.8 | 337.9 | 303.4 |
| 85° | 162.9 | 165.5 | 179.3 | 191.4 | 201.7 | 211.2 | 210.3 | 208.6 | 198.3 | 163.8 | 141.4 |
| 87.5° | 85.3 | 87.9 | 84.5 | 79.3 | 75.9 | 70.7 | 65.5 | 60.3 | 51.7 | 47.4 | 43.1 |
| 90° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |



REPORT NUMBER: P1385690

CATALOG NUMBER: VAL-T-SB5D-727-U-SLL

CANDELA DISTRIBUTION (continued):

| | 330° | 335° | 340° | 345° | 350° | 355° | 360° |
|-------|--------|--------|--------|---------|---------|---------|---------|
| 0° | 5620.0 | 5620.0 | 5620.0 | 5620.0 | 5620.0 | 5620.0 | 5620.0 |
| 2.5° | 5762.3 | 5813.1 | 5863.1 | 5913.1 | 5963.1 | 6017.4 | 6072.6 |
| 5° | 5891.6 | 5990.7 | 6089.8 | 6190.7 | 6292.4 | 6388.9 | 6486.3 |
| 7.5° | 5992.4 | 6130.3 | 6268.2 | 6422.5 | 6576.8 | 6740.6 | 6904.4 |
| 10° | 6051.0 | 6221.7 | 6391.5 | 6583.7 | 6775.1 | 6971.6 | 7167.3 |
| 12.5° | 6101.0 | 6291.5 | 6482.0 | 6696.6 | 6911.3 | 7106.1 | 7300.9 |
| 15° | 6124.3 | 6330.3 | 6535.5 | 6753.5 | 6971.6 | 7168.1 | 7365.5 |
| 17.5° | 6081.2 | 6314.8 | 6549.2 | 6782.0 | 7014.7 | 7198.3 | 7382.8 |
| 20° | 6016.5 | 6291.5 | 6566.5 | 6816.5 | 7066.4 | 7252.6 | 7438.8 |
| 22.5° | 5937.2 | 6273.4 | 6609.6 | 6883.7 | 7158.7 | 7328.5 | 7499.1 |
| 25° | 5844.2 | 6271.7 | 6699.2 | 6999.2 | 7299.2 | 7446.6 | 7594.0 |
| 27.5° | 5745.0 | 6288.1 | 6831.1 | 7168.1 | 7506.0 | 7619.0 | 7731.9 |
| 30° | 5661.4 | 6323.4 | 6986.3 | 7368.1 | 7749.1 | 7837.0 | 7925.8 |
| 32.5° | 5572.6 | 6363.1 | 7154.3 | 7603.4 | 8052.5 | 8107.7 | 8162.9 |
| 35° | 5426.1 | 6353.6 | 7281.9 | 7853.4 | 8425.8 | 8494.7 | 8563.7 |
| 37.5° | 5245.1 | 6326.9 | 7408.6 | 8158.5 | 8908.5 | 8990.3 | 9072.2 |
| 40° | 5016.7 | 6266.5 | 7516.4 | 8507.6 | 9498.9 | 9661.0 | 9822.1 |
| 42.5° | 4727.9 | 6162.2 | 7595.7 | 8893.8 | 10190.2 | 10532.4 | 10873.7 |
| 45° | 4430.5 | 6090.7 | 7750.8 | 9417.9 | 11084.9 | 11632.3 | 12179.6 |
| 47.5° | 4144.4 | 6007.1 | 7869.8 | 9956.6 | 12043.4 | 12736.5 | 13429.5 |
| 50° | 3874.6 | 5864.8 | 7854.3 | 10426.4 | 12998.5 | 13938.1 | 14877.6 |
| 52.5° | 3601.3 | 5573.5 | 7546.5 | 10648.8 | 13750.1 | 15243.1 | 16735.1 |
| 55° | 3346.2 | 5187.3 | 7026.8 | 10590.2 | 14153.5 | 16554.1 | 18954.7 |
| 57.5° | 3118.6 | 4783.1 | 6447.5 | 10270.4 | 14093.2 | 17654.9 | 21217.4 |
| 60° | 2915.2 | 4271.9 | 5628.7 | 9504.1 | 13379.5 | 18147.9 | 22915.5 |
| 62.5° | 2646.2 | 3623.7 | 4601.2 | 8248.2 | 11895.2 | 17054.1 | 22213.0 |
| 65° | 2331.6 | 2847.9 | 3363.4 | 6469.9 | 9576.5 | 14709.5 | 19842.5 |
| 67.5° | 1932.5 | 2177.3 | 2422.1 | 5034.8 | 7647.4 | 12633.0 | 17618.7 |
| 70° | 1568.8 | 1655.0 | 1741.2 | 3858.2 | 5975.2 | 10732.4 | 15489.6 |
| 72.5° | 1271.4 | 1272.3 | 1274.0 | 2900.5 | 4527.1 | 8911.9 | 13295.9 |
| 75° | 943.9 | 949.0 | 955.1 | 2149.8 | 3344.4 | 7115.6 | 10886.7 |
| 77.5° | 691.3 | 687.9 | 682.7 | 1389.5 | 2096.3 | 4668.4 | 7240.5 |
| 80° | 441.3 | 437.9 | 432.7 | 768.0 | 1103.3 | 2676.4 | 4249.5 |
| 82.5° | 268.9 | 268.1 | 267.2 | 412.9 | 558.6 | 1341.2 | 2124.8 |
| 85° | 119.0 | 112.9 | 107.7 | 131.0 | 155.2 | 318.9 | 482.7 |
| 87.5° | 38.8 | 36.2 | 34.5 | 35.3 | 36.2 | 37.9 | 38.8 |
| 90° | 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



LM-79-2019: Approved Method: Electrical and Photometric Measurements of Solid-State Lighting Products

Report Prepared for

Cooper Lighting Solutions

McGraw-Edison

Report Number: SP1-2407-184-3

Test Date: 10/09/2024

Luminaire Tested: GSS-SB1A-727-U-5WQ

Data in this report applies to families of products including GSS-SB1A-727-U-5WQ

Test Information

Test Method: LM-79-2019
 Report Number: SP1-2407-184-3
 Test Lab: COOPER LIGHTING SOLUTIONS
 Photometer: SP1 - 76IN SPHERE
 Measurement Geometry: 4π
 Issue Date: 10/15/2024
 Manufacturer: COOPER LIGHTING SOLUTIONS
 Product Line: McGraw-Edison
 Catalog Number: **GSS-SB1A-727-U-5WQ**
 Description: GALLEON II SITE SLIM 1SQ 350MA 5WQ HIGH DENSITY LIGHTSQUARE WITH 70 CRI 2700K CCT 26 LEDS

Spectral Parameters

CCT (K): 2672
 CIE u': 0.2638
 CIE v': 0.5276
 Duv: -0.0002
 CIE x: 0.4619
 CIE y: 0.4106
 CIE z: 0.1275
 Peak Wavelength (nm): 601
 Dominant Wavelength (nm): 584
 Purity: 61.88407
 Rf: 67.9
 Rg: 98.6

| | | | |
|-----------|------|------|-------|
| CRI (Ra): | 71.1 | | |
| R1: | 68.3 | R9: | -27.8 |
| R2: | 79.8 | R10: | 54.4 |
| R3: | 91.2 | R11: | 65.8 |
| R4: | 69.4 | R12: | 45.6 |
| R5: | 66.5 | R13: | 69.8 |
| R6: | 72.6 | R14: | 94.5 |
| R7: | 77.0 | R15: | 60.1 |
| R8: | 44.1 | | |



Test Conditions

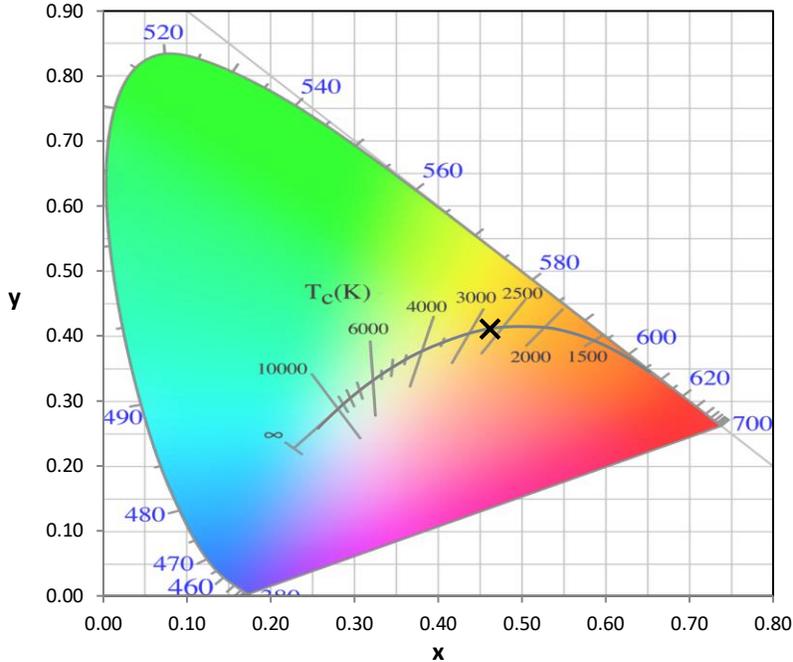
Stabilization Time: 21M
 Operation Time: 1H 21M
 Sphere Temperature (°C): 25.2

REPORT NUMBER: SP1-2407-184-3

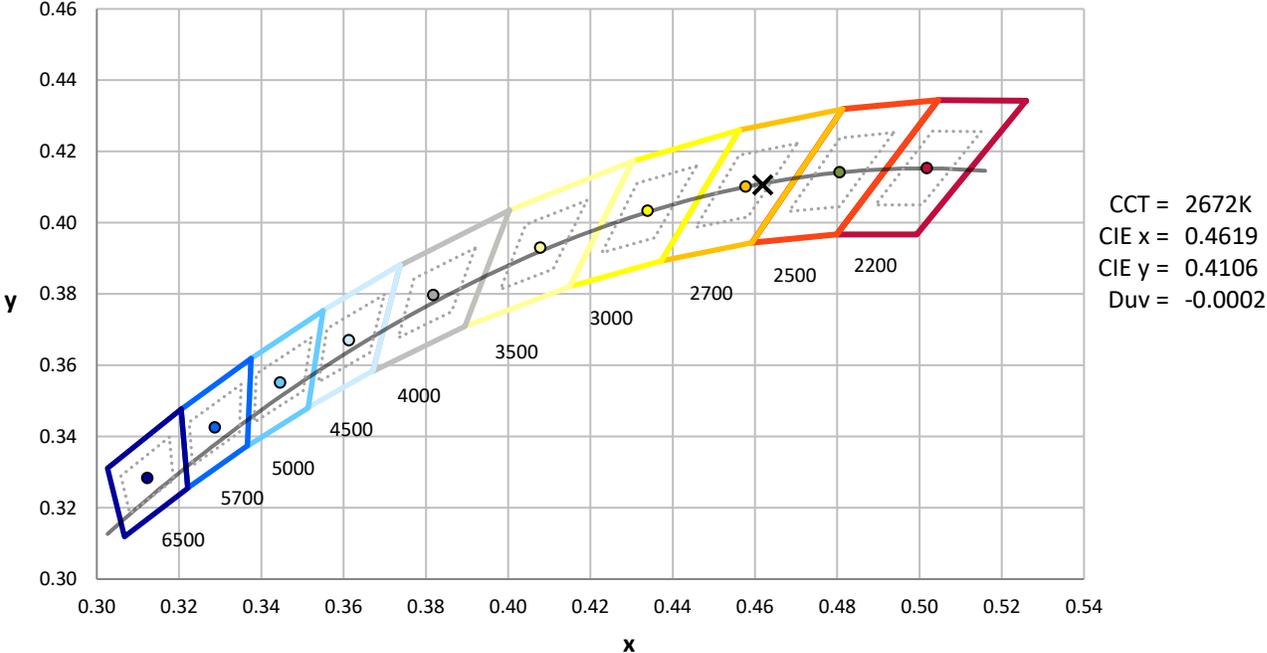
| Measurement and Test Equipment | | | |
|--------------------------------|-----------------------|------------------|----------------------|
| Instrument | Identification Number | Calibration Date | Calibration Due Date |
| Photometer | IN0058 | 6/18/2024 | 12/18/2024 |
| Power Meter | INXT2011004 | 2/8/2024 | 2/8/2025 |
| AC Power Source | IN0063 | 10/24/2023 | 10/24/2024 |
| DC Power Source | IN0208 | 10/24/2023 | 10/24/2024 |
| Sphere Thermometer | IN0085 | 10/24/2023 | 10/24/2024 |
| Room Thermometer | IN0046 | 10/24/2023 | 10/24/2024 |

REPORT NUMBER: SP1-2407-184-3

CIE 1931 Chromaticity Diagram



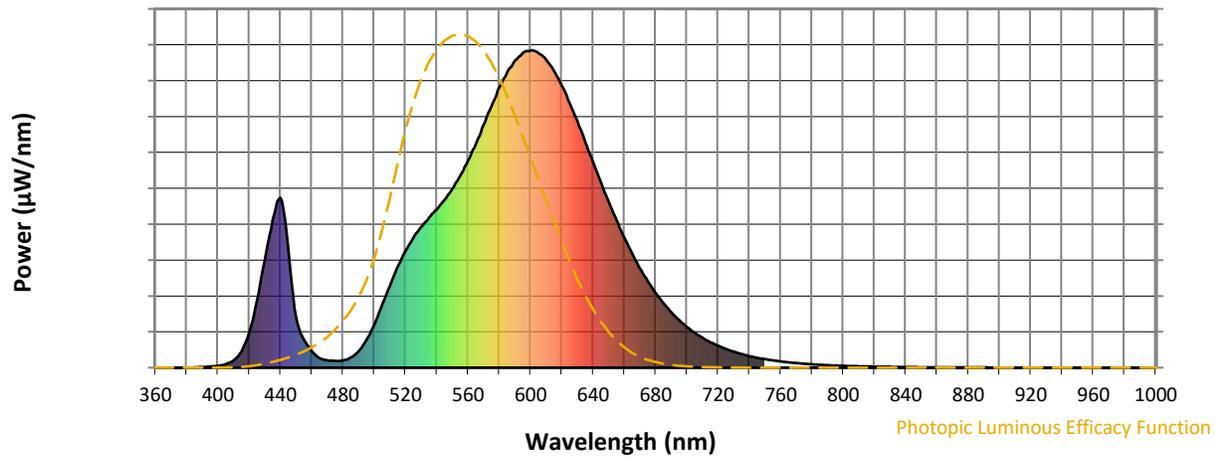
CIE 1931 Chromaticity Diagram with 2017 ANSI 7-Step and 4-Step Quadrangles



Point lies inside the ANSI 2700K 4-step quadrangle

REPORT NUMBER: SP1-2407-184-3

Photopic Flux vs. Wavelength



Photopic Lumens: NR

| λ (nm) | Power W [^] /nm | Lumens (ϕ /nm) | λ (nm) | Power W [^] /nm | Lumens (ϕ /nm) | λ (nm) | Power W [^] /nm | Lumens (ϕ /nm) | λ (nm) | Power W [^] /nm | Lumens (ϕ /nm) | λ (nm) | Power W [^] /nm | Lumens (ϕ /nm) |
|-------------------|-----------------------------|-------------------------|-------------------|-----------------------------|-------------------------|-------------------|-----------------------------|-------------------------|-------------------|-----------------------------|-------------------------|-------------------|-----------------------------|-------------------------|
| 360 | 0 | NR | 490 | 52 | NR | 620 | 888 | NR | 750 | 27 | NR | 880 | 1 | NR |
| 365 | 0 | NR | 495 | 87 | NR | 625 | 834 | NR | 755 | 23 | NR | 885 | 1 | NR |
| 370 | 0 | NR | 500 | 135 | NR | 630 | 776 | NR | 760 | 20 | NR | 890 | 1 | NR |
| 375 | 0 | NR | 505 | 196 | NR | 635 | 712 | NR | 765 | 17 | NR | 895 | 0 | NR |
| 380 | 0 | NR | 510 | 258 | NR | 640 | 648 | NR | 770 | 15 | NR | 900 | 0 | NR |
| 385 | 1 | NR | 515 | 317 | NR | 645 | 583 | NR | 775 | 12 | NR | 905 | 0 | NR |
| 390 | 2 | NR | 520 | 368 | NR | 650 | 523 | NR | 780 | 11 | NR | 910 | 0 | NR |
| 395 | 4 | NR | 525 | 408 | NR | 655 | 465 | NR | 785 | 9 | NR | 915 | 0 | NR |
| 400 | 6 | NR | 530 | 443 | NR | 660 | 410 | NR | 790 | 8 | NR | 920 | 0 | NR |
| 405 | 11 | NR | 535 | 473 | NR | 665 | 360 | NR | 795 | 7 | NR | 925 | 0 | NR |
| 410 | 23 | NR | 540 | 498 | NR | 670 | 313 | NR | 800 | 6 | NR | 930 | 0 | NR |
| 415 | 51 | NR | 545 | 530 | NR | 675 | 272 | NR | 805 | 5 | NR | 935 | 0 | NR |
| 420 | 111 | NR | 550 | 563 | NR | 680 | 236 | NR | 810 | 4 | NR | 940 | 0 | NR |
| 425 | 214 | NR | 555 | 605 | NR | 685 | 203 | NR | 815 | 4 | NR | 945 | 0 | NR |
| 430 | 339 | NR | 560 | 651 | NR | 690 | 175 | NR | 820 | 3 | NR | 950 | 0 | NR |
| 435 | 467 | NR | 565 | 705 | NR | 695 | 150 | NR | 825 | 3 | NR | 955 | 0 | NR |
| 440 | 535 | NR | 570 | 765 | NR | 700 | 128 | NR | 830 | 3 | NR | 960 | 0 | NR |
| 445 | 372 | NR | 575 | 824 | NR | 705 | 110 | NR | 835 | 2 | NR | 965 | 0 | NR |
| 450 | 160 | NR | 580 | 882 | NR | 710 | 94 | NR | 840 | 2 | NR | 970 | 0 | NR |
| 455 | 89 | NR | 585 | 930 | NR | 715 | 80 | NR | 845 | 2 | NR | 975 | 0 | NR |
| 460 | 53 | NR | 590 | 968 | NR | 720 | 69 | NR | 850 | 1 | NR | 980 | 0 | NR |
| 465 | 31 | NR | 595 | 991 | NR | 725 | 59 | NR | 855 | 1 | NR | 985 | 0 | NR |
| 470 | 23 | NR | 600 | 999 | NR | 730 | 50 | NR | 860 | 1 | NR | 990 | 0 | NR |
| 475 | 21 | NR | 605 | 992 | NR | 735 | 43 | NR | 865 | 1 | NR | 995 | 0 | NR |
| 480 | 23 | NR | 610 | 969 | NR | 740 | 36 | NR | 870 | 1 | NR | 1000 | 0 | NR |
| 485 | 32 | NR | 615 | 935 | NR | 745 | 31 | NR | 875 | 1 | NR | | | |

REPORT NUMBER: SP1-2407-184-3

Scotopic Flux vs. Wavelength



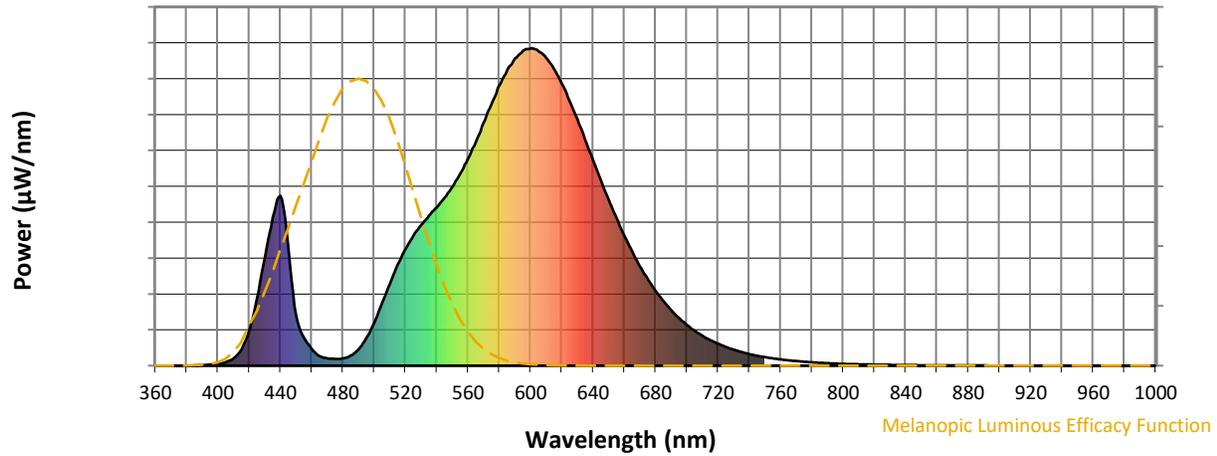
Scotopic Lumens: NR

S/P: 1.02

| λ (nm) | Power W [^] /nm | Lumens (ϕ /nm) | λ (nm) | Power W [^] /nm | Lumens (ϕ /nm) | λ (nm) | Power W [^] /nm | Lumens (ϕ /nm) | λ (nm) | Power W [^] /nm | Lumens (ϕ /nm) | λ (nm) | Power W [^] /nm | Lumens (ϕ /nm) |
|----------------|--------------------------|----------------------|----------------|--------------------------|----------------------|----------------|--------------------------|----------------------|----------------|--------------------------|----------------------|----------------|--------------------------|----------------------|
| 360 | 0 | NR | 490 | 52 | NR | 620 | 888 | NR | 750 | 27 | NR | 880 | 1 | NR |
| 365 | 0 | NR | 495 | 87 | NR | 625 | 834 | NR | 755 | 23 | NR | 885 | 1 | NR |
| 370 | 0 | NR | 500 | 135 | NR | 630 | 776 | NR | 760 | 20 | NR | 890 | 1 | NR |
| 375 | 0 | NR | 505 | 196 | NR | 635 | 712 | NR | 765 | 17 | NR | 895 | 0 | NR |
| 380 | 0 | NR | 510 | 258 | NR | 640 | 648 | NR | 770 | 15 | NR | 900 | 0 | NR |
| 385 | 1 | NR | 515 | 317 | NR | 645 | 583 | NR | 775 | 12 | NR | 905 | 0 | NR |
| 390 | 2 | NR | 520 | 368 | NR | 650 | 523 | NR | 780 | 11 | NR | 910 | 0 | NR |
| 395 | 4 | NR | 525 | 408 | NR | 655 | 465 | NR | 785 | 9 | NR | 915 | 0 | NR |
| 400 | 6 | NR | 530 | 443 | NR | 660 | 410 | NR | 790 | 8 | NR | 920 | 0 | NR |
| 405 | 11 | NR | 535 | 473 | NR | 665 | 360 | NR | 795 | 7 | NR | 925 | 0 | NR |
| 410 | 23 | NR | 540 | 498 | NR | 670 | 313 | NR | 800 | 6 | NR | 930 | 0 | NR |
| 415 | 51 | NR | 545 | 530 | NR | 675 | 272 | NR | 805 | 5 | NR | 935 | 0 | NR |
| 420 | 111 | NR | 550 | 563 | NR | 680 | 236 | NR | 810 | 4 | NR | 940 | 0 | NR |
| 425 | 214 | NR | 555 | 605 | NR | 685 | 203 | NR | 815 | 4 | NR | 945 | 0 | NR |
| 430 | 339 | NR | 560 | 651 | NR | 690 | 175 | NR | 820 | 3 | NR | 950 | 0 | NR |
| 435 | 467 | NR | 565 | 705 | NR | 695 | 150 | NR | 825 | 3 | NR | 955 | 0 | NR |
| 440 | 535 | NR | 570 | 765 | NR | 700 | 128 | NR | 830 | 3 | NR | 960 | 0 | NR |
| 445 | 372 | NR | 575 | 824 | NR | 705 | 110 | NR | 835 | 2 | NR | 965 | 0 | NR |
| 450 | 160 | NR | 580 | 882 | NR | 710 | 94 | NR | 840 | 2 | NR | 970 | 0 | NR |
| 455 | 89 | NR | 585 | 930 | NR | 715 | 80 | NR | 845 | 2 | NR | 975 | 0 | NR |
| 460 | 53 | NR | 590 | 968 | NR | 720 | 69 | NR | 850 | 1 | NR | 980 | 0 | NR |
| 465 | 31 | NR | 595 | 991 | NR | 725 | 59 | NR | 855 | 1 | NR | 985 | 0 | NR |
| 470 | 23 | NR | 600 | 999 | NR | 730 | 50 | NR | 860 | 1 | NR | 990 | 0 | NR |
| 475 | 21 | NR | 605 | 992 | NR | 735 | 43 | NR | 865 | 1 | NR | 995 | 0 | NR |
| 480 | 23 | NR | 610 | 969 | NR | 740 | 36 | NR | 870 | 1 | NR | 1000 | 0 | NR |
| 485 | 32 | NR | 615 | 935 | NR | 745 | 31 | NR | 875 | 1 | NR | | | |

REPORT NUMBER: SP1-2407-184-3

Melanopic Flux vs. Wavelength



Melanopic Lumens: NR

M/P: 1.71

| λ (nm) | Power W [^] /nm | Lumens (φ/nm) | λ (nm) | Power W [^] /nm | Lumens (φ/nm) | λ (nm) | Power W [^] /nm | Lumens (φ/nm) | λ (nm) | Power W [^] /nm | Lumens (φ/nm) | λ (nm) | Power W [^] /nm | Lumens (φ/nm) |
|--------|--------------------------|---------------|--------|--------------------------|---------------|--------|--------------------------|---------------|--------|--------------------------|---------------|--------|--------------------------|---------------|
| 360 | 0 | NR | 490 | 52 | NR | 620 | 888 | NR | 750 | 27 | NR | 880 | 1 | NR |
| 365 | 0 | NR | 495 | 87 | NR | 625 | 834 | NR | 755 | 23 | NR | 885 | 1 | NR |
| 370 | 0 | NR | 500 | 135 | NR | 630 | 776 | NR | 760 | 20 | NR | 890 | 1 | NR |
| 375 | 0 | NR | 505 | 196 | NR | 635 | 712 | NR | 765 | 17 | NR | 895 | 0 | NR |
| 380 | 0 | NR | 510 | 258 | NR | 640 | 648 | NR | 770 | 15 | NR | 900 | 0 | NR |
| 385 | 1 | NR | 515 | 317 | NR | 645 | 583 | NR | 775 | 12 | NR | 905 | 0 | NR |
| 390 | 2 | NR | 520 | 368 | NR | 650 | 523 | NR | 780 | 11 | NR | 910 | 0 | NR |
| 395 | 4 | NR | 525 | 408 | NR | 655 | 465 | NR | 785 | 9 | NR | 915 | 0 | NR |
| 400 | 6 | NR | 530 | 443 | NR | 660 | 410 | NR | 790 | 8 | NR | 920 | 0 | NR |
| 405 | 11 | NR | 535 | 473 | NR | 665 | 360 | NR | 795 | 7 | NR | 925 | 0 | NR |
| 410 | 23 | NR | 540 | 498 | NR | 670 | 313 | NR | 800 | 6 | NR | 930 | 0 | NR |
| 415 | 51 | NR | 545 | 530 | NR | 675 | 272 | NR | 805 | 5 | NR | 935 | 0 | NR |
| 420 | 111 | NR | 550 | 563 | NR | 680 | 236 | NR | 810 | 4 | NR | 940 | 0 | NR |
| 425 | 214 | NR | 555 | 605 | NR | 685 | 203 | NR | 815 | 4 | NR | 945 | 0 | NR |
| 430 | 339 | NR | 560 | 651 | NR | 690 | 175 | NR | 820 | 3 | NR | 950 | 0 | NR |
| 435 | 467 | NR | 565 | 705 | NR | 695 | 150 | NR | 825 | 3 | NR | 955 | 0 | NR |
| 440 | 535 | NR | 570 | 765 | NR | 700 | 128 | NR | 830 | 3 | NR | 960 | 0 | NR |
| 445 | 372 | NR | 575 | 824 | NR | 705 | 110 | NR | 835 | 2 | NR | 965 | 0 | NR |
| 450 | 160 | NR | 580 | 882 | NR | 710 | 94 | NR | 840 | 2 | NR | 970 | 0 | NR |
| 455 | 89 | NR | 585 | 930 | NR | 715 | 80 | NR | 845 | 2 | NR | 975 | 0 | NR |
| 460 | 53 | NR | 590 | 968 | NR | 720 | 69 | NR | 850 | 1 | NR | 980 | 0 | NR |
| 465 | 31 | NR | 595 | 991 | NR | 725 | 59 | NR | 855 | 1 | NR | 985 | 0 | NR |
| 470 | 23 | NR | 600 | 999 | NR | 730 | 50 | NR | 860 | 1 | NR | 990 | 0 | NR |
| 475 | 21 | NR | 605 | 992 | NR | 735 | 43 | NR | 865 | 1 | NR | 995 | 0 | NR |
| 480 | 23 | NR | 610 | 969 | NR | 740 | 36 | NR | 870 | 1 | NR | 1000 | 0 | NR |
| 485 | 32 | NR | 615 | 935 | NR | 745 | 31 | NR | 875 | 1 | NR | | | |

Summary

$R_f = 67.9$
 $R_g = 98.6$
 $CIE R_a = 71.1$
 $R_9 = -27.8$

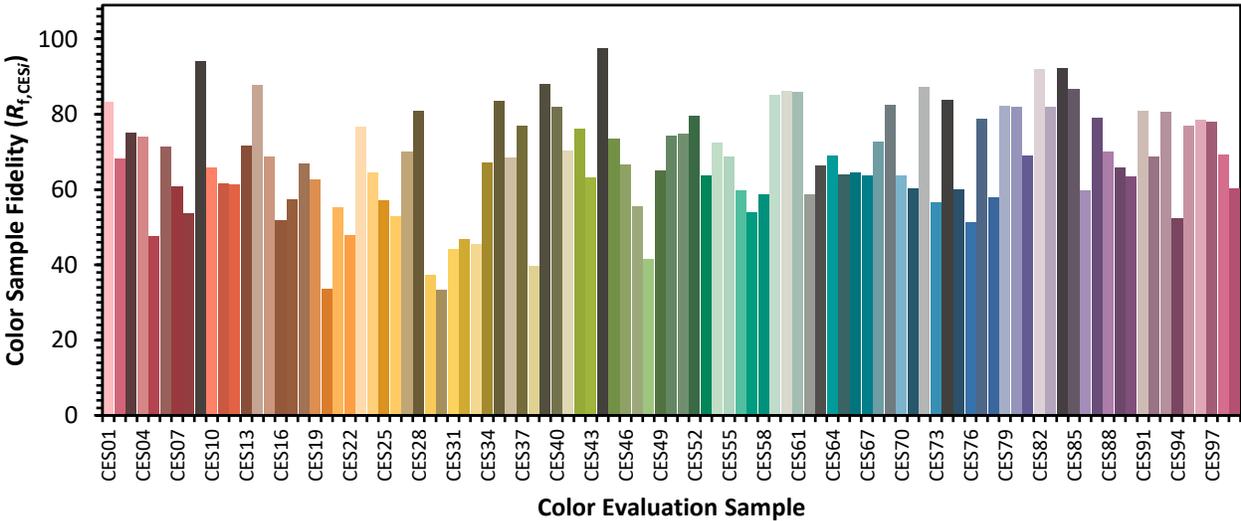


Color Vector Graphics

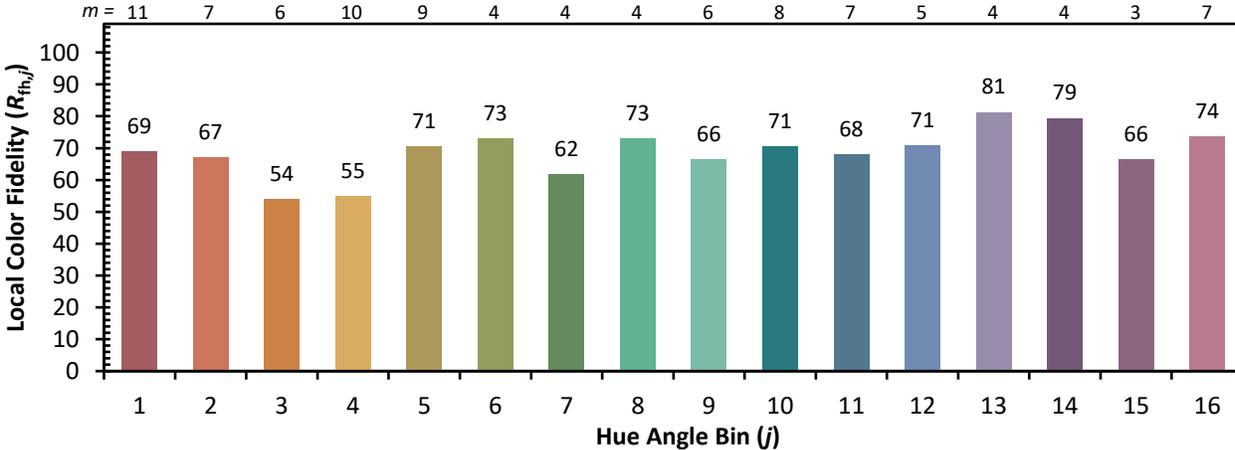
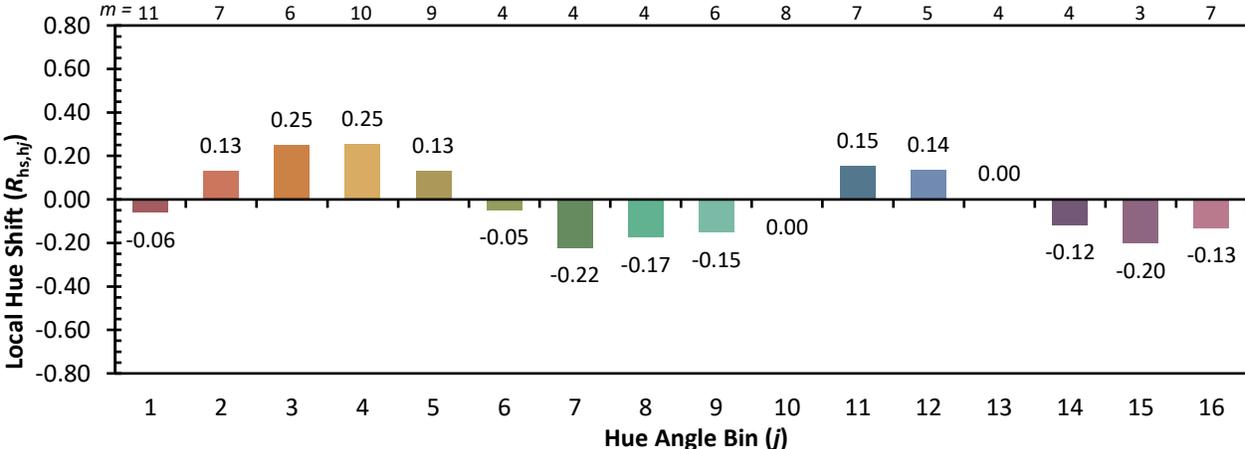
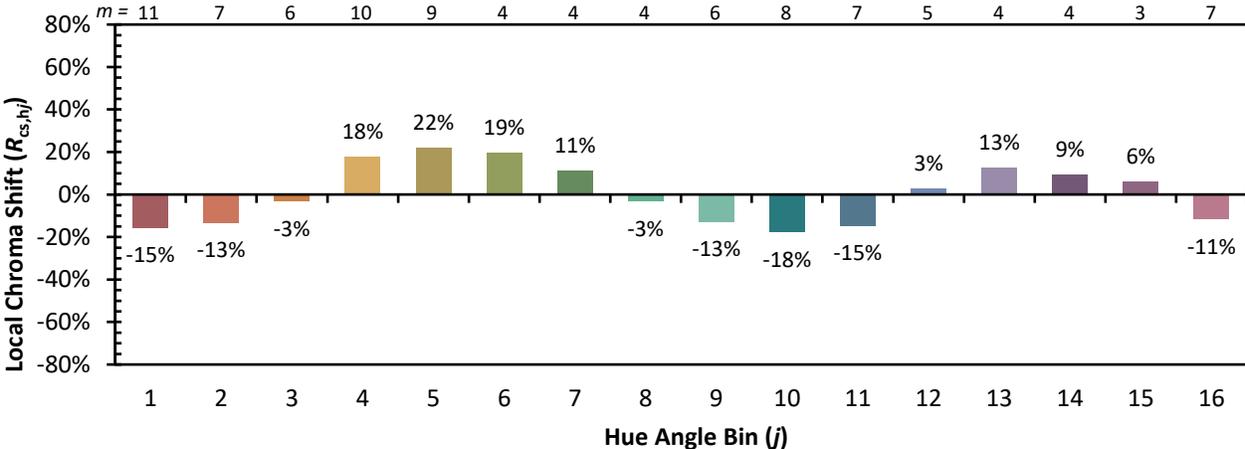


Individual Sample Fidelity Index ($R_{f,i}$)

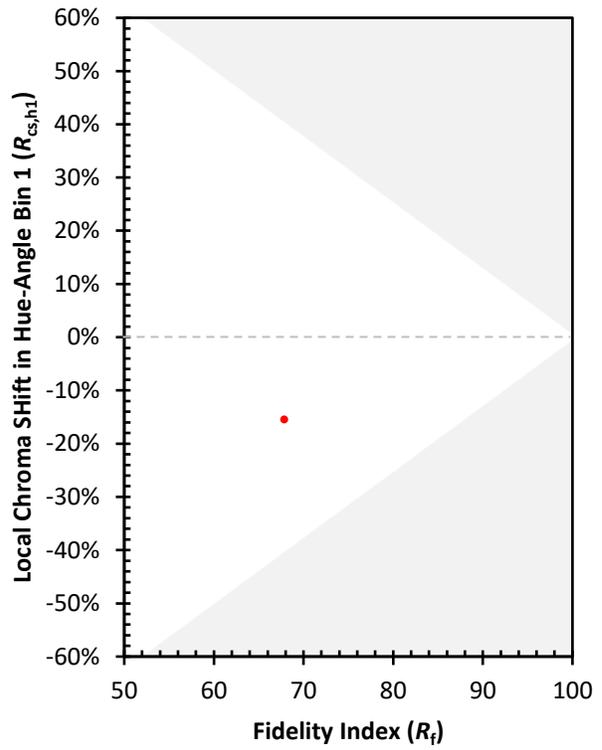
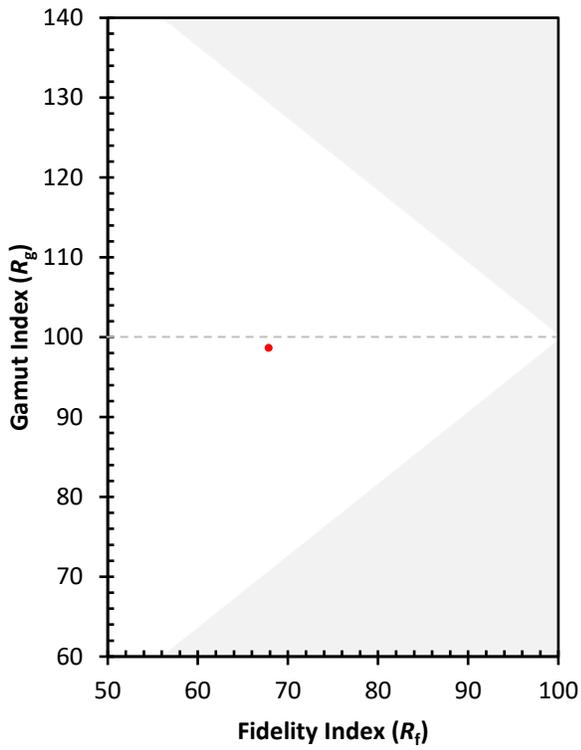
| | | | |
|------------|------------|------------|------------|
| CES01 = 86 | CES26 = 53 | CES51 = 75 | CES76 = 51 |
| CES02 = 63 | CES27 = 70 | CES52 = 80 | CES77 = 79 |
| CES03 = 31 | CES28 = 81 | CES53 = 64 | CES78 = 58 |
| CES04 = 71 | CES29 = 37 | CES54 = 73 | CES79 = 82 |
| CES05 = 50 | CES30 = 33 | CES55 = 69 | CES80 = 82 |
| CES06 = 52 | CES31 = 44 | CES56 = 60 | CES81 = 69 |
| CES07 = 42 | CES32 = 47 | CES57 = 54 | CES82 = 92 |
| CES08 = 41 | CES33 = 45 | CES58 = 59 | CES83 = 82 |
| CES09 = 29 | CES34 = 67 | CES59 = 85 | CES84 = 92 |
| CES10 = 77 | CES35 = 84 | CES60 = 86 | CES85 = 87 |
| CES11 = 60 | CES36 = 68 | CES61 = 86 | CES86 = 60 |
| CES12 = 66 | CES37 = 77 | CES62 = 59 | CES87 = 79 |
| CES13 = 44 | CES38 = 40 | CES63 = 66 | CES88 = 70 |
| CES14 = 74 | CES39 = 88 | CES64 = 69 | CES89 = 66 |
| CES15 = 72 | CES40 = 82 | CES65 = 64 | CES90 = 64 |
| CES16 = 48 | CES41 = 70 | CES66 = 65 | CES91 = 81 |
| CES17 = 51 | CES42 = 76 | CES67 = 64 | CES92 = 69 |
| CES18 = 57 | CES43 = 63 | CES68 = 73 | CES93 = 81 |
| CES19 = 73 | CES44 = 97 | CES69 = 83 | CES94 = 53 |
| CES20 = 67 | CES45 = 74 | CES70 = 64 | CES95 = 77 |
| CES21 = 88 | CES46 = 67 | CES71 = 60 | CES96 = 79 |
| CES22 = 80 | CES47 = 55 | CES72 = 87 | CES97 = 78 |
| CES23 = 92 | CES48 = 42 | CES73 = 57 | CES98 = 69 |
| CES24 = 92 | CES49 = 65 | CES74 = 84 | CES99 = 60 |
| CES25 = 73 | CES50 = 74 | CES75 = 60 | |



Color Rendition by Hue-Angle Bin



Measure Comparisons



(END OF REPORT)