

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

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Peachtree City, GA 30269

Scaled data based on original data using
LM-79-2024 Approved Method: Electrical and Photometric Measurements of Solid-
State Lighting Products

Test Report Prepared for
Cooper Lighting Solutions

Brand: STREETWORKS

Report Number: P1456533

Luminaire Tested: GLAN-SB6C-750-U-T3LG

Issue Date: 05/20/2026

Test Information

Test Method: LM-79-2024
Report Number: P1456533
Test Lab: INNOVATION CENTER(G1)
Issue Date: 5/21/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: STREETWORKS
Catalog Number: GLAN-SB6C-750-U-T3LG
Description: GALLEON II AREA AND ROADWAY HIGH DENSITY LUMINAIRE 615mA 6xLight Square
PACKAGE 70CRI 5000K FIXTURE w/ TYPE III LOW GLARE
Light Source: (156) 5000K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

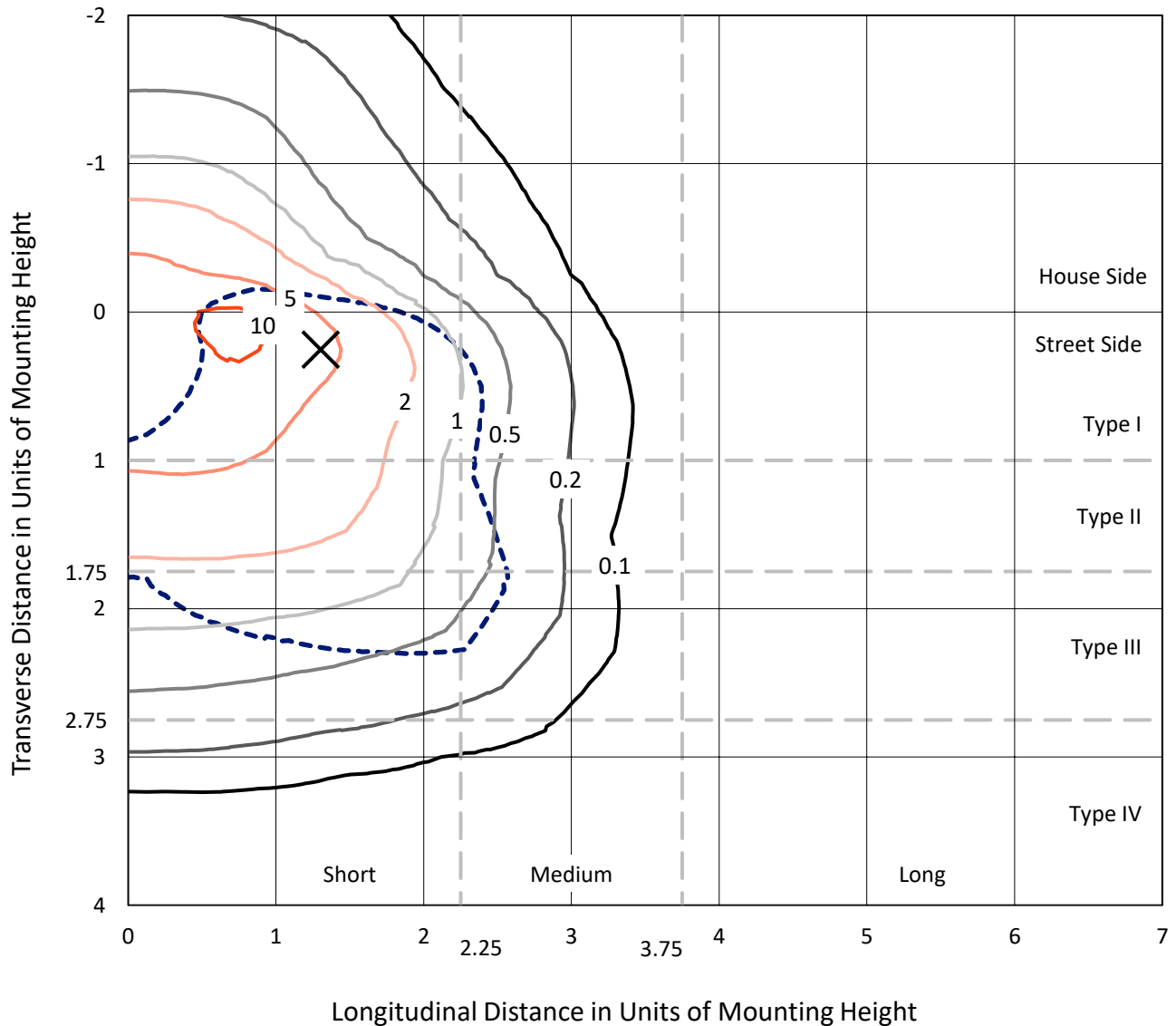
Lumens per Lamp: N/A
Luminaire Lumens: 46865.2 lumens
Efficiency: N/A
Efficacy: 155.8 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type III - Short
BUG Rating: B4 - U0 - G4

Input Watts (W): 300.9
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: 0.97
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: P1456533
 CATALOG NUMBER: GLAN-SB6C-750-U-T3LG

Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
 - - - 1/2 Max cd

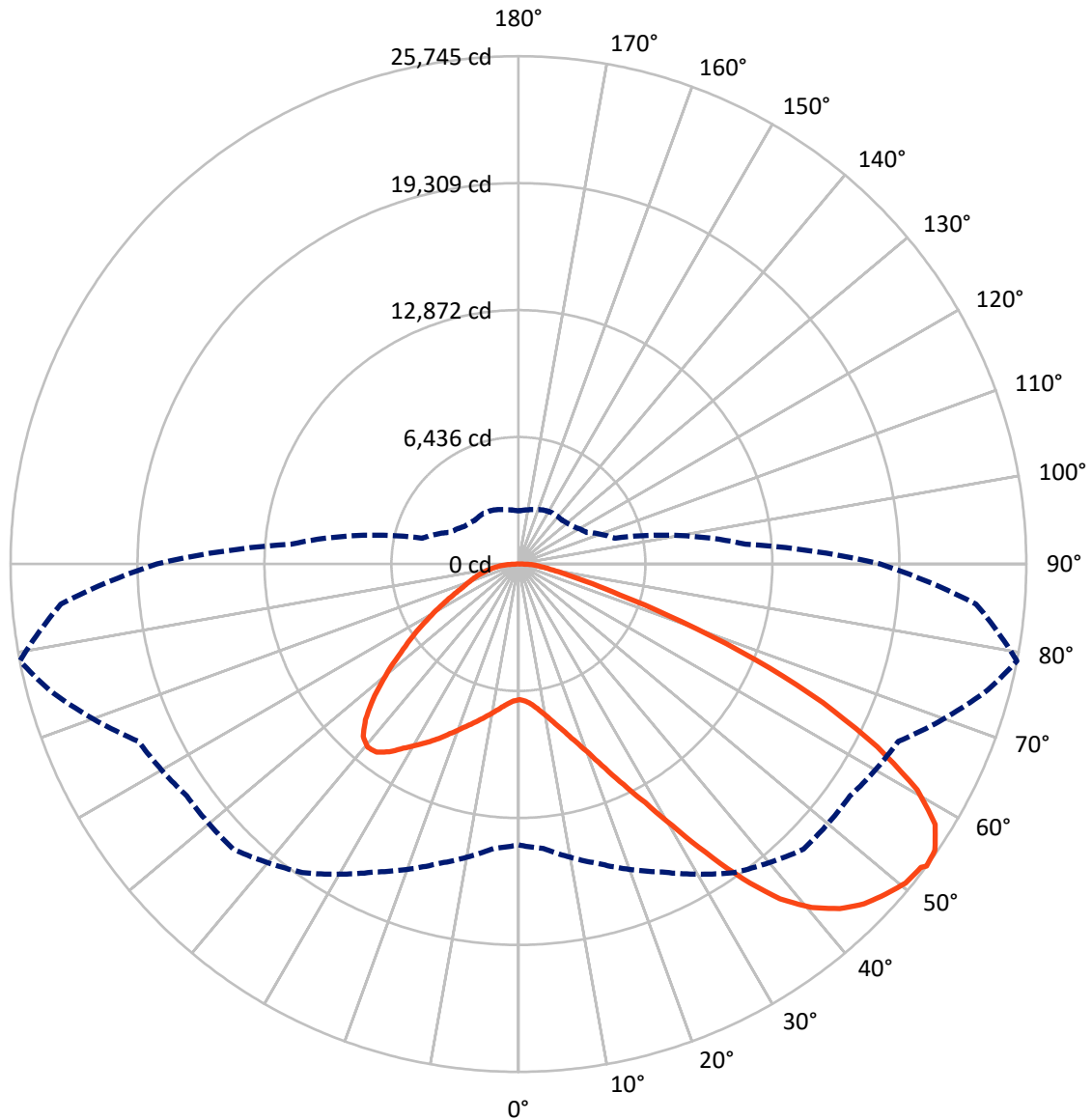


Based on 30 foot mounting height. Maximum calculated value = 11.9 fc
 Type III - Short - N/A

REPORT NUMBER: P1456533

CATALOG NUMBER: GLAN-SB6C-750-U-T3LG

Luminous Intensity Polar Plot



— Vertical Plane Through 79-Deg Lateral - - - Horizontal Cone Through 53-Deg Vertical

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CATALOG NUMBER: GLAN-SB6C-750-U-T3LG

FLUX DISTRIBUTION:

| | | Downward | Upward | Total |
|--------------------|-----------|----------|--------|---------|
| House Side | Lumens | 11814.4 | 0.0 | 11814.4 |
| | % Fixture | 25.2 | 0.0 | 25.2 |
| Street Side | Lumens | 35050.8 | 0.0 | 35050.8 |
| | % Fixture | 74.8 | 0.0 | 74.8 |
| Total | Lumens | 46865.2 | 0.0 | 46865.2 |
| | % Fixture | 100.0 | 0.0 | 100.0 |

Coefficient of Utilization

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|---------|-----------|
| 0°-10° | 655.5 | 1.4 |
| 10°-20° | 2030.0 | 4.3 |
| 20°-30° | 3881.2 | 8.3 |
| 30°-40° | 6663.7 | 14.2 |
| 40°-50° | 9333.8 | 19.9 |
| 50°-60° | 10592.7 | 22.6 |
| 60°-70° | 9289.1 | 19.8 |
| 70°-80° | 3632.2 | 7.8 |
| 80°-90° | 787.0 | 1.7 |
| 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° | 46865.2 | 100.0 |
| 0°-180° | 46865.2 | 100.0 |



REPORT NUMBER: P1456533

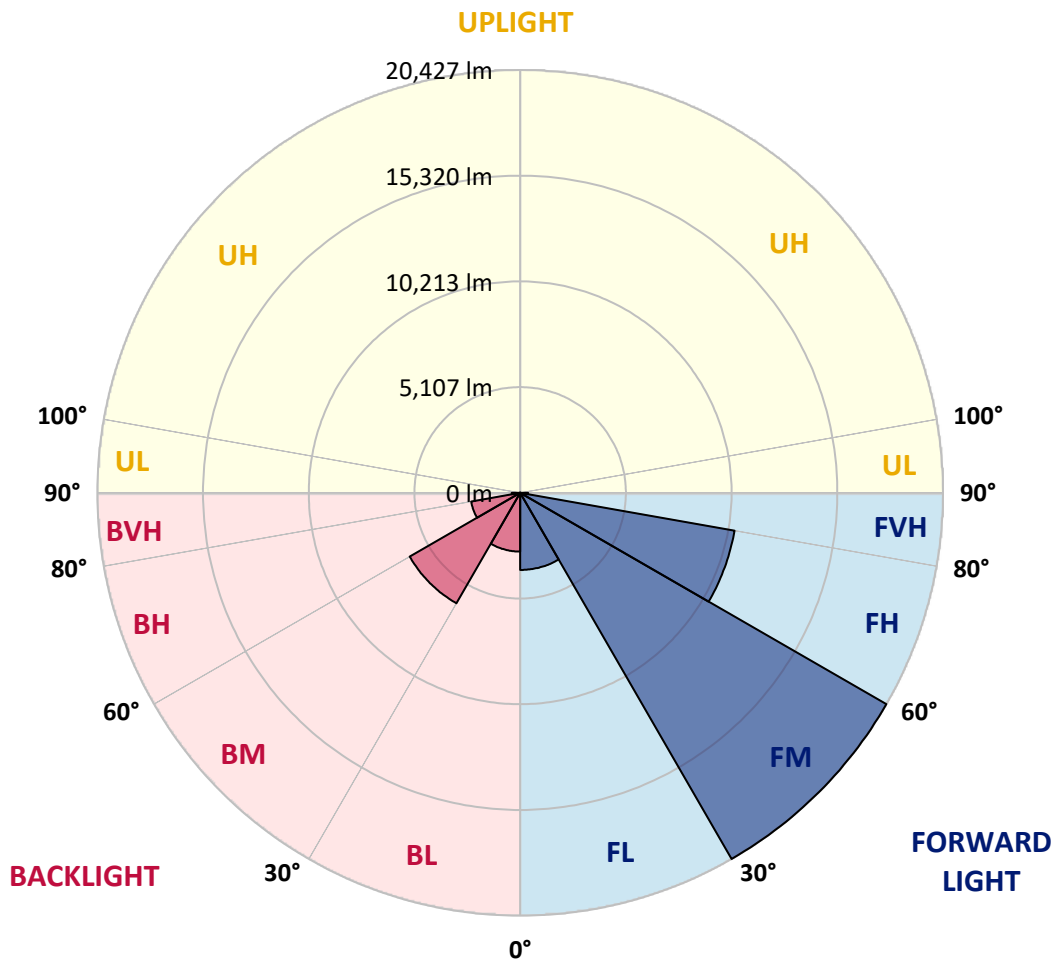
CATALOG NUMBER: GLAN-SB6C-750-U-T3LG

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

| Zone | | Lumens | % Fixture | Zone Rating/Lumen Limit | | |
|------|-------------|---------|-----------|-------------------------|------|----------|
| | | | | B | U | G |
| FL | (0°-30°) | 3725.3 | 7.9 | | | |
| FM | (30°-60°) | 20426.9 | 43.6 | | | |
| FH | (60°-80°) | 10516.9 | 22.4 | | | G4/12000 |
| FVH | (80°-90°) | 381.7 | 0.8 | | | G3/500 |
| BL | (0°-30°) | 2841.4 | 6.1 | B4/5000 | | |
| BM | (30°-60°) | 6163.3 | 13.2 | B4/8500 | | |
| BH | (60°-80°) | 2404.4 | 5.1 | B3/2500 | | G3/2500 |
| BVH | (80°-90°) | 405.3 | 0.9 | | | G3/500 |
| UL | (90°-100°) | 0.0 | 0.0 | | U0/0 | |
| UH | (100°-180°) | 0.0 | 0.0 | | U0/0 | |

BUG Rating: B4-U0-G4

Type III Short





REPORT NUMBER: P1456533

CATALOG NUMBER: GLAN-SB6C-750-U-T3LG

CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 15° | 25° | 35° | 45° | 55° | 65° | 75° | 79° | 85° |
|-------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 0° | 6879.9 | 6879.9 | 6879.9 | 6879.9 | 6879.9 | 6879.9 | 6879.9 | 6879.9 | 6879.9 | 6879.9 | 6879.9 |
| 2.5° | 6890.4 | 6890.4 | 6848.6 | 6890.4 | 6869.5 | 6900.8 | 6921.7 | 6921.7 | 6963.5 | 6953.0 | 6953.0 |
| 5° | 6775.5 | 6754.7 | 6744.2 | 6817.3 | 6859.1 | 6942.6 | 7036.5 | 7078.3 | 7151.4 | 7151.4 | 7161.8 |
| 7.5° | 6472.8 | 6462.3 | 6514.5 | 6660.7 | 6796.4 | 7005.2 | 7203.6 | 7318.4 | 7433.3 | 7454.1 | 7454.1 |
| 10° | 6284.9 | 6274.4 | 6337.1 | 6514.5 | 6733.8 | 7036.5 | 7349.7 | 7589.9 | 7777.8 | 7830.0 | 7830.0 |
| 12.5° | 6284.9 | 6284.9 | 6337.1 | 6514.5 | 6744.2 | 7109.6 | 7537.7 | 7944.8 | 8237.1 | 8299.8 | 8278.9 |
| 15° | 6462.3 | 6451.9 | 6514.5 | 6702.5 | 6921.7 | 7266.2 | 7788.2 | 8331.1 | 8727.8 | 8842.6 | 8853.1 |
| 17.5° | 6650.3 | 6639.8 | 6733.8 | 6973.9 | 7234.9 | 7579.4 | 8111.8 | 8780.0 | 9343.8 | 9489.9 | 9521.2 |
| 20° | 6942.6 | 6932.1 | 7047.0 | 7276.7 | 7600.3 | 7997.0 | 8550.3 | 9312.4 | 10095.4 | 10252.0 | 10293.8 |
| 22.5° | 7276.7 | 7287.1 | 7412.4 | 7694.3 | 8017.9 | 8539.9 | 9218.5 | 10064.1 | 11003.7 | 11243.8 | 11285.6 |
| 25° | 7976.1 | 7944.8 | 8049.2 | 8247.6 | 8592.1 | 9218.5 | 10053.7 | 10972.4 | 12089.5 | 12381.8 | 12434.0 |
| 27.5° | 8905.3 | 8853.1 | 8967.9 | 9166.3 | 9416.8 | 10001.5 | 10962.0 | 11985.1 | 13331.8 | 13697.2 | 13707.7 |
| 30° | 9740.5 | 9709.2 | 9865.8 | 10272.9 | 10533.9 | 10982.8 | 12006.0 | 13175.2 | 14866.5 | 15398.9 | 15419.8 |
| 32.5° | 10460.8 | 10450.4 | 10742.7 | 11264.7 | 11859.8 | 12340.0 | 13331.8 | 14678.6 | 16808.3 | 17424.3 | 17288.6 |
| 35° | 11149.9 | 11181.2 | 11546.6 | 12089.5 | 12882.9 | 13843.4 | 14845.6 | 16380.3 | 18854.6 | 19595.8 | 19376.6 |
| 37.5° | 11849.4 | 11870.2 | 12350.5 | 13049.9 | 13885.1 | 15137.9 | 16484.7 | 18228.2 | 20629.4 | 21548.1 | 21067.8 |
| 40° | 12496.6 | 12559.3 | 13206.5 | 13958.2 | 15044.0 | 16317.7 | 17821.0 | 19512.3 | 21997.0 | 22905.3 | 22383.3 |
| 42.5° | 13143.9 | 13237.9 | 13937.3 | 14970.9 | 16129.7 | 17455.6 | 18750.2 | 20295.3 | 22874.0 | 23886.6 | 23082.8 |
| 45° | 13812.1 | 13874.7 | 14741.2 | 15816.5 | 17132.0 | 18353.4 | 19282.6 | 20796.4 | 23479.5 | 24575.7 | 23479.5 |
| 47.5° | 14261.0 | 14386.3 | 15336.3 | 16578.7 | 17894.1 | 19042.5 | 19710.6 | 21005.2 | 23865.7 | 25024.6 | 23625.6 |
| 50° | 14438.5 | 14615.9 | 15639.1 | 17017.1 | 18520.5 | 19689.8 | 20044.7 | 21120.0 | 24293.8 | 25421.3 | 23594.3 |
| 52.5° | 14407.1 | 14574.2 | 15691.3 | 17215.5 | 19021.6 | 20284.8 | 20368.4 | 21245.3 | 24596.5 | 25557.0 | 23322.9 |
| 53° | 14240.1 | 14469.8 | 15722.6 | 17225.9 | 19094.7 | 20441.4 | 20514.5 | 21255.8 | 24638.3 | 25744.9 | 23281.1 |
| 55° | 13665.9 | 13791.2 | 15398.9 | 17215.5 | 19439.2 | 21026.1 | 20921.7 | 21569.0 | 24753.1 | 25619.7 | 22821.8 |
| 57.5° | 13143.9 | 13269.2 | 14668.1 | 17017.1 | 19721.1 | 21850.8 | 21579.4 | 21516.8 | 24126.7 | 24909.7 | 21662.9 |
| 60° | 12809.8 | 12851.6 | 14031.3 | 16390.7 | 19606.2 | 22425.0 | 22007.4 | 20900.8 | 22581.6 | 23228.9 | 19627.1 |
| 62.5° | 12528.0 | 12517.5 | 13561.5 | 15492.9 | 19167.8 | 22508.6 | 22091.0 | 19376.6 | 20316.2 | 20420.6 | 16912.7 |
| 65° | 11891.1 | 11818.0 | 12830.7 | 14480.2 | 18259.5 | 22132.7 | 21067.8 | 17069.3 | 17309.5 | 16964.9 | 13582.4 |
| 67.5° | 10627.9 | 10471.3 | 11369.1 | 12935.1 | 16411.6 | 21067.8 | 19115.6 | 14386.3 | 13645.0 | 12956.0 | 10231.2 |
| 70° | 7610.7 | 7610.7 | 8331.1 | 9897.1 | 13175.2 | 18207.3 | 16411.6 | 10888.9 | 9396.0 | 8780.0 | 6838.2 |
| 72.5° | 3727.1 | 3821.0 | 4572.7 | 5846.4 | 8832.2 | 13217.0 | 12569.7 | 7057.4 | 5700.2 | 5397.5 | 4384.8 |
| 75° | 1586.9 | 1597.3 | 1952.3 | 2589.1 | 4478.7 | 7819.5 | 7871.7 | 4071.6 | 3654.0 | 3507.8 | 2902.3 |
| 77.5° | 1106.6 | 1127.5 | 1284.1 | 1524.2 | 2129.8 | 3591.3 | 4092.5 | 2463.8 | 2453.4 | 2349.0 | 2067.1 |
| 80° | 845.6 | 866.5 | 970.9 | 1138.0 | 1430.3 | 1837.4 | 2119.3 | 1670.4 | 1753.9 | 1649.5 | 1492.9 |
| 82.5° | 636.8 | 657.7 | 730.8 | 856.1 | 1023.1 | 1231.9 | 1190.2 | 1231.9 | 1294.6 | 1231.9 | 1075.3 |
| 85° | 428.0 | 438.5 | 490.7 | 595.1 | 657.7 | 741.2 | 741.2 | 897.8 | 939.6 | 918.7 | 845.6 |
| 87.5° | 219.2 | 219.2 | 261.0 | 313.2 | 334.1 | 344.5 | 302.8 | 396.7 | 448.9 | 490.7 | 396.7 |
| 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: P1456533

CATALOG NUMBER: GLAN-SB6C-750-U-T3LG

CANDELA DISTRIBUTION (continued):

| | 90° | 95° | 105° | 115° | 125° | 135° | 145° | 155° | 165° | 175° | 180° |
|-------|---------|---------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 6879.9 | 6879.9 | 6879.9 | 6879.9 | 6879.9 | 6879.9 | 6879.9 | 6879.9 | 6879.9 | 6879.9 | 6879.9 |
| 2.5° | 6953.0 | 6963.5 | 6932.1 | 6921.7 | 6911.3 | 6859.1 | 6859.1 | 6806.9 | 6796.4 | 6806.9 | 6775.5 |
| 5° | 7182.7 | 7161.8 | 7078.3 | 7015.7 | 6942.6 | 6796.4 | 6712.9 | 6598.1 | 6566.7 | 6535.4 | 6504.1 |
| 7.5° | 7464.6 | 7433.3 | 7287.1 | 7120.1 | 6921.7 | 6639.8 | 6483.2 | 6295.3 | 6232.7 | 6180.5 | 6159.6 |
| 10° | 7819.5 | 7756.9 | 7527.2 | 7172.3 | 6806.9 | 6462.3 | 6243.1 | 6013.4 | 5909.0 | 5888.1 | 5835.9 |
| 12.5° | 8278.9 | 8164.0 | 7736.0 | 7182.7 | 6702.5 | 6253.5 | 6013.4 | 5835.9 | 5794.2 | 5783.7 | 5731.5 |
| 15° | 8790.4 | 8623.4 | 7934.4 | 7193.1 | 6566.7 | 6076.1 | 5929.9 | 5835.9 | 5835.9 | 5825.5 | 5794.2 |
| 17.5° | 9416.8 | 9145.4 | 8122.3 | 7151.4 | 6399.7 | 6023.9 | 5950.8 | 5867.3 | 5846.4 | 5856.8 | 5815.1 |
| 20° | 10168.5 | 9719.6 | 8320.6 | 7099.2 | 6326.6 | 6034.3 | 5950.8 | 5835.9 | 5783.7 | 5773.3 | 5742.0 |
| 22.5° | 11035.0 | 10377.3 | 8539.9 | 7015.7 | 6326.6 | 6023.9 | 5888.1 | 5731.5 | 5627.1 | 5585.4 | 5543.6 |
| 25° | 12026.8 | 11139.4 | 8769.6 | 6984.3 | 6347.5 | 5982.1 | 5762.9 | 5512.3 | 5345.3 | 5282.6 | 5251.3 |
| 27.5° | 13227.4 | 11943.3 | 8936.6 | 7015.7 | 6337.1 | 5888.1 | 5543.6 | 5220.0 | 5032.1 | 4927.7 | 4906.8 |
| 30° | 14553.3 | 12809.8 | 9051.4 | 7067.9 | 6274.4 | 5710.7 | 5282.6 | 4917.2 | 4656.2 | 4530.9 | 4499.6 |
| 32.5° | 16119.3 | 13780.7 | 9166.3 | 7067.9 | 6117.8 | 5460.1 | 4979.9 | 4583.1 | 4311.7 | 4165.5 | 4144.7 |
| 35° | 17852.3 | 14970.9 | 9270.7 | 7057.4 | 5929.9 | 5188.7 | 4677.1 | 4269.9 | 3988.1 | 3841.9 | 3831.5 |
| 37.5° | 19324.4 | 15868.7 | 9322.9 | 6953.0 | 5668.9 | 4875.5 | 4395.2 | 3988.1 | 3695.7 | 3539.1 | 3528.7 |
| 40° | 20232.6 | 16244.6 | 9218.5 | 6744.2 | 5355.7 | 4551.8 | 4082.0 | 3706.2 | 3413.9 | 3225.9 | 3184.2 |
| 42.5° | 20577.2 | 16067.1 | 8884.4 | 6399.7 | 4979.9 | 4228.2 | 3821.0 | 3424.3 | 3038.0 | 2881.4 | 2850.1 |
| 45° | 20462.3 | 15378.1 | 8174.5 | 5909.0 | 4562.3 | 3935.9 | 3591.3 | 3142.4 | 2891.9 | 2756.1 | 2745.7 |
| 47.5° | 20076.0 | 14313.2 | 7287.1 | 5293.1 | 4123.8 | 3674.9 | 3288.6 | 3069.3 | 2839.7 | 2693.5 | 2683.1 |
| 50° | 19397.4 | 13175.2 | 6222.2 | 4593.6 | 3727.1 | 3403.4 | 3215.5 | 3038.0 | 2850.1 | 2735.3 | 2714.4 |
| 52.5° | 18530.9 | 11891.1 | 5240.9 | 3915.0 | 3382.5 | 3163.3 | 3142.4 | 3017.1 | 2871.0 | 2745.7 | 2693.5 |
| 53° | 18332.6 | 11557.0 | 5052.9 | 3800.1 | 3330.3 | 3132.0 | 3121.5 | 3017.1 | 2850.1 | 2735.3 | 2693.5 |
| 55° | 17382.5 | 10523.5 | 4457.9 | 3393.0 | 3069.3 | 3027.6 | 3121.5 | 3006.7 | 2797.9 | 2703.9 | 2672.6 |
| 57.5° | 15858.3 | 9166.3 | 3883.7 | 3017.1 | 2797.9 | 2902.3 | 3090.2 | 2964.9 | 2735.3 | 2568.2 | 2516.0 |
| 60° | 14020.9 | 7610.7 | 3445.2 | 2766.6 | 2599.6 | 2745.7 | 2964.9 | 2818.8 | 2505.6 | 2422.1 | 2411.6 |
| 62.5° | 11828.5 | 6159.6 | 3111.1 | 2557.8 | 2432.5 | 2578.7 | 2777.0 | 2526.5 | 2296.8 | 2234.2 | 2213.3 |
| 65° | 9239.4 | 4896.3 | 2850.1 | 2401.2 | 2265.5 | 2380.3 | 2516.0 | 2359.4 | 2213.3 | 2161.1 | 2150.6 |
| 67.5° | 6869.5 | 3841.9 | 2641.3 | 2265.5 | 2098.4 | 2171.5 | 2328.1 | 2286.4 | 2161.1 | 2129.8 | 2119.3 |
| 70° | 4739.7 | 3121.5 | 2453.4 | 2140.2 | 1889.6 | 1973.2 | 2213.3 | 2244.6 | 2119.3 | 2098.4 | 2088.0 |
| 72.5° | 3319.9 | 2641.3 | 2255.0 | 2004.5 | 1722.6 | 1806.1 | 2161.1 | 2161.1 | 2025.4 | 2056.7 | 2035.8 |
| 75° | 2495.2 | 2223.7 | 2025.4 | 1837.4 | 1513.8 | 1639.1 | 2088.0 | 2067.1 | 1931.4 | 2067.1 | 2014.9 |
| 77.5° | 1879.2 | 1795.7 | 1753.9 | 1628.6 | 1325.9 | 1451.2 | 1941.8 | 1900.1 | 1722.6 | 1733.0 | 1639.1 |
| 80° | 1367.6 | 1388.5 | 1503.4 | 1388.5 | 1106.6 | 1200.6 | 1639.1 | 1618.2 | 1399.0 | 1440.7 | 1325.9 |
| 82.5° | 981.4 | 1033.6 | 1284.1 | 1117.1 | 803.9 | 856.1 | 1127.5 | 1221.5 | 1096.2 | 1033.6 | 1054.4 |
| 85° | 741.2 | 772.6 | 1033.6 | 824.8 | 501.1 | 563.8 | 772.6 | 877.0 | 856.1 | 793.4 | 803.9 |
| 87.5° | 313.2 | 355.0 | 480.2 | 386.3 | 292.3 | 292.3 | 480.2 | 616.0 | 553.3 | 469.8 | 490.7 |
| 90° | 0.0 | 0.0 | 0.0 | 0.0 | 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: SP1-2407-184-6

Test Date: 10/10/2024

Luminaire Tested: GSS-SB1A-750-U-5WQ

Data in this report applies to families of products including GSS-SB1A-750-U-5WQ

Test Information

Test Method: LM-79-2019
 Report Number: SP1-2407-184-6
 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-750-U-5WQ**
 Description: GALLEON II SITE SLIM 1SQ 350MA 5WQ HIGH DENSITY LIGHTSQUARE WITH 70 CRI 5000K CCT 26 LEDS

Spectral Parameters

CCT (K): 4896
 CIE u': 0.2101
 CIE v': 0.4901
 Duv: 0.0035
 CIE x: 0.3489
 CIE y: 0.3618
 CIE z: 0.2893
 Peak Wavelength (nm): 443
 Dominant Wavelength (nm): 570
 Purity: 13.25435
 Rf: 70.7
 Rg: 96.8

| | | | |
|-----------|------|------|-------|
| CRI (Ra): | 70.2 | | |
| R1: | 68.1 | R9: | -35.1 |
| R2: | 73.9 | R10: | 39.3 |
| R3: | 79.4 | R11: | 71.1 |
| R4: | 72.1 | R12: | 43.8 |
| R5: | 69.2 | R13: | 68.1 |
| R6: | 65.7 | R14: | 88.4 |
| R7: | 78.1 | R15: | 59.7 |
| R8: | 55.3 | | |



Test Conditions

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

REPORT NUMBER: SP1-2407-184-6

| 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: SP1-2407-184-6

CIE 1931 Chromaticity Diagram



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



Point lies inside the ANSI 5000K 4-step quadrangle

REPORT NUMBER: SP1-2407-184-6

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 | 118 | NR | 620 | 401 | NR | 750 | 12 | NR | 880 | 0 | NR |
| 365 | 0 | NR | 495 | 168 | NR | 625 | 365 | NR | 755 | 10 | NR | 885 | 0 | NR |
| 370 | 0 | NR | 500 | 230 | NR | 630 | 331 | NR | 760 | 9 | NR | 890 | 0 | NR |
| 375 | 0 | NR | 505 | 299 | NR | 635 | 298 | NR | 765 | 8 | NR | 895 | 0 | NR |
| 380 | 0 | NR | 510 | 362 | NR | 640 | 266 | NR | 770 | 6 | NR | 900 | 0 | NR |
| 385 | 2 | NR | 515 | 418 | NR | 645 | 236 | NR | 775 | 6 | NR | 905 | 0 | NR |
| 390 | 4 | NR | 520 | 461 | NR | 650 | 209 | NR | 780 | 5 | NR | 910 | 0 | NR |
| 395 | 6 | NR | 525 | 491 | NR | 655 | 184 | NR | 785 | 4 | NR | 915 | 0 | NR |
| 400 | 9 | NR | 530 | 514 | NR | 660 | 160 | NR | 790 | 4 | NR | 920 | 0 | NR |
| 405 | 14 | NR | 535 | 530 | NR | 665 | 140 | NR | 795 | 3 | NR | 925 | 0 | NR |
| 410 | 27 | NR | 540 | 539 | NR | 670 | 122 | NR | 800 | 3 | NR | 930 | 0 | NR |
| 415 | 55 | NR | 545 | 549 | NR | 675 | 106 | NR | 805 | 2 | NR | 935 | 0 | NR |
| 420 | 115 | NR | 550 | 557 | NR | 680 | 92 | NR | 810 | 2 | NR | 940 | 0 | NR |
| 425 | 226 | NR | 555 | 565 | NR | 685 | 79 | NR | 815 | 2 | NR | 945 | 0 | NR |
| 430 | 395 | NR | 560 | 572 | NR | 690 | 68 | NR | 820 | 2 | NR | 950 | 0 | NR |
| 435 | 648 | NR | 565 | 580 | NR | 695 | 59 | NR | 825 | 1 | NR | 955 | 0 | NR |
| 440 | 937 | NR | 570 | 586 | NR | 700 | 51 | NR | 830 | 1 | NR | 960 | 0 | NR |
| 445 | 953 | NR | 575 | 588 | NR | 705 | 44 | NR | 835 | 1 | NR | 965 | 0 | NR |
| 450 | 591 | NR | 580 | 588 | NR | 710 | 38 | NR | 840 | 1 | NR | 970 | 0 | NR |
| 455 | 334 | NR | 585 | 580 | NR | 715 | 32 | NR | 845 | 1 | NR | 975 | 0 | NR |
| 460 | 221 | NR | 590 | 568 | NR | 720 | 28 | NR | 850 | 1 | NR | 980 | 0 | NR |
| 465 | 140 | NR | 595 | 550 | NR | 725 | 24 | NR | 855 | 1 | NR | 985 | 0 | NR |
| 470 | 93 | NR | 600 | 527 | NR | 730 | 21 | NR | 860 | 1 | NR | 990 | 0 | NR |
| 475 | 79 | NR | 605 | 499 | NR | 735 | 18 | NR | 865 | 0 | NR | 995 | 0 | NR |
| 480 | 76 | NR | 610 | 469 | NR | 740 | 15 | NR | 870 | 0 | NR | 1000 | 0 | NR |
| 485 | 87 | NR | 615 | 435 | NR | 745 | 13 | NR | 875 | 0 | NR | | | |

REPORT NUMBER: SP1-2407-184-6

Scotopic Flux vs. Wavelength



Scotopic Lumens: NR

S/P: 1.7

| λ (nm) | Power $\text{W}^\wedge/\text{nm}$ | Lumens (ϕ/nm) | λ (nm) | Power $\text{W}^\wedge/\text{nm}$ | Lumens (ϕ/nm) | λ (nm) | Power $\text{W}^\wedge/\text{nm}$ | Lumens (ϕ/nm) | λ (nm) | Power $\text{W}^\wedge/\text{nm}$ | Lumens (ϕ/nm) | λ (nm) | Power $\text{W}^\wedge/\text{nm}$ | Lumens (ϕ/nm) |
|-------------------|--------------------------------------|------------------------------|-------------------|--------------------------------------|------------------------------|-------------------|--------------------------------------|------------------------------|-------------------|--------------------------------------|------------------------------|-------------------|--------------------------------------|------------------------------|
| 360 | 0 | NR | 490 | 118 | NR | 620 | 401 | NR | 750 | 12 | NR | 880 | 0 | NR |
| 365 | 0 | NR | 495 | 168 | NR | 625 | 365 | NR | 755 | 10 | NR | 885 | 0 | NR |
| 370 | 0 | NR | 500 | 230 | NR | 630 | 331 | NR | 760 | 9 | NR | 890 | 0 | NR |
| 375 | 0 | NR | 505 | 299 | NR | 635 | 298 | NR | 765 | 8 | NR | 895 | 0 | NR |
| 380 | 0 | NR | 510 | 362 | NR | 640 | 266 | NR | 770 | 6 | NR | 900 | 0 | NR |
| 385 | 2 | NR | 515 | 418 | NR | 645 | 236 | NR | 775 | 6 | NR | 905 | 0 | NR |
| 390 | 4 | NR | 520 | 461 | NR | 650 | 209 | NR | 780 | 5 | NR | 910 | 0 | NR |
| 395 | 6 | NR | 525 | 491 | NR | 655 | 184 | NR | 785 | 4 | NR | 915 | 0 | NR |
| 400 | 9 | NR | 530 | 514 | NR | 660 | 160 | NR | 790 | 4 | NR | 920 | 0 | NR |
| 405 | 14 | NR | 535 | 530 | NR | 665 | 140 | NR | 795 | 3 | NR | 925 | 0 | NR |
| 410 | 27 | NR | 540 | 539 | NR | 670 | 122 | NR | 800 | 3 | NR | 930 | 0 | NR |
| 415 | 55 | NR | 545 | 549 | NR | 675 | 106 | NR | 805 | 2 | NR | 935 | 0 | NR |
| 420 | 115 | NR | 550 | 557 | NR | 680 | 92 | NR | 810 | 2 | NR | 940 | 0 | NR |
| 425 | 226 | NR | 555 | 565 | NR | 685 | 79 | NR | 815 | 2 | NR | 945 | 0 | NR |
| 430 | 395 | NR | 560 | 572 | NR | 690 | 68 | NR | 820 | 2 | NR | 950 | 0 | NR |
| 435 | 648 | NR | 565 | 580 | NR | 695 | 59 | NR | 825 | 1 | NR | 955 | 0 | NR |
| 440 | 937 | NR | 570 | 586 | NR | 700 | 51 | NR | 830 | 1 | NR | 960 | 0 | NR |
| 445 | 953 | NR | 575 | 588 | NR | 705 | 44 | NR | 835 | 1 | NR | 965 | 0 | NR |
| 450 | 591 | NR | 580 | 588 | NR | 710 | 38 | NR | 840 | 1 | NR | 970 | 0 | NR |
| 455 | 334 | NR | 585 | 580 | NR | 715 | 32 | NR | 845 | 1 | NR | 975 | 0 | NR |
| 460 | 221 | NR | 590 | 568 | NR | 720 | 28 | NR | 850 | 1 | NR | 980 | 0 | NR |
| 465 | 140 | NR | 595 | 550 | NR | 725 | 24 | NR | 855 | 1 | NR | 985 | 0 | NR |
| 470 | 93 | NR | 600 | 527 | NR | 730 | 21 | NR | 860 | 1 | NR | 990 | 0 | NR |
| 475 | 79 | NR | 605 | 499 | NR | 735 | 18 | NR | 865 | 0 | NR | 995 | 0 | NR |
| 480 | 76 | NR | 610 | 469 | NR | 740 | 15 | NR | 870 | 0 | NR | 1000 | 0 | NR |
| 485 | 87 | NR | 615 | 435 | NR | 745 | 13 | NR | 875 | 0 | NR | | | |

REPORT NUMBER: SP1-2407-184-6

Melanopic Flux vs. Wavelength



Melanopic Lumens: NR

M/P: 3.37

| 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 | 118 | NR | 620 | 401 | NR | 750 | 12 | NR | 880 | 0 | NR |
| 365 | 0 | NR | 495 | 168 | NR | 625 | 365 | NR | 755 | 10 | NR | 885 | 0 | NR |
| 370 | 0 | NR | 500 | 230 | NR | 630 | 331 | NR | 760 | 9 | NR | 890 | 0 | NR |
| 375 | 0 | NR | 505 | 299 | NR | 635 | 298 | NR | 765 | 8 | NR | 895 | 0 | NR |
| 380 | 0 | NR | 510 | 362 | NR | 640 | 266 | NR | 770 | 6 | NR | 900 | 0 | NR |
| 385 | 2 | NR | 515 | 418 | NR | 645 | 236 | NR | 775 | 6 | NR | 905 | 0 | NR |
| 390 | 4 | NR | 520 | 461 | NR | 650 | 209 | NR | 780 | 5 | NR | 910 | 0 | NR |
| 395 | 6 | NR | 525 | 491 | NR | 655 | 184 | NR | 785 | 4 | NR | 915 | 0 | NR |
| 400 | 9 | NR | 530 | 514 | NR | 660 | 160 | NR | 790 | 4 | NR | 920 | 0 | NR |
| 405 | 14 | NR | 535 | 530 | NR | 665 | 140 | NR | 795 | 3 | NR | 925 | 0 | NR |
| 410 | 27 | NR | 540 | 539 | NR | 670 | 122 | NR | 800 | 3 | NR | 930 | 0 | NR |
| 415 | 55 | NR | 545 | 549 | NR | 675 | 106 | NR | 805 | 2 | NR | 935 | 0 | NR |
| 420 | 115 | NR | 550 | 557 | NR | 680 | 92 | NR | 810 | 2 | NR | 940 | 0 | NR |
| 425 | 226 | NR | 555 | 565 | NR | 685 | 79 | NR | 815 | 2 | NR | 945 | 0 | NR |
| 430 | 395 | NR | 560 | 572 | NR | 690 | 68 | NR | 820 | 2 | NR | 950 | 0 | NR |
| 435 | 648 | NR | 565 | 580 | NR | 695 | 59 | NR | 825 | 1 | NR | 955 | 0 | NR |
| 440 | 937 | NR | 570 | 586 | NR | 700 | 51 | NR | 830 | 1 | NR | 960 | 0 | NR |
| 445 | 953 | NR | 575 | 588 | NR | 705 | 44 | NR | 835 | 1 | NR | 965 | 0 | NR |
| 450 | 591 | NR | 580 | 588 | NR | 710 | 38 | NR | 840 | 1 | NR | 970 | 0 | NR |
| 455 | 334 | NR | 585 | 580 | NR | 715 | 32 | NR | 845 | 1 | NR | 975 | 0 | NR |
| 460 | 221 | NR | 590 | 568 | NR | 720 | 28 | NR | 850 | 1 | NR | 980 | 0 | NR |
| 465 | 140 | NR | 595 | 550 | NR | 725 | 24 | NR | 855 | 1 | NR | 985 | 0 | NR |
| 470 | 93 | NR | 600 | 527 | NR | 730 | 21 | NR | 860 | 1 | NR | 990 | 0 | NR |
| 475 | 79 | NR | 605 | 499 | NR | 735 | 18 | NR | 865 | 0 | NR | 995 | 0 | NR |
| 480 | 76 | NR | 610 | 469 | NR | 740 | 15 | NR | 870 | 0 | NR | 1000 | 0 | NR |
| 485 | 87 | NR | 615 | 435 | NR | 745 | 13 | NR | 875 | 0 | NR | | | |

Summary

$R_f = 70.7$
 $R_g = 96.8$
 $CIE R_a = 70.2$
 $R_9 = -35.1$



Color Vector Graphics



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

| | | | |
|------------|------------|------------|------------|
| CES01 = 85 | CES26 = 53 | CES51 = 87 | CES76 = 42 |
| CES02 = 59 | CES27 = 78 | CES52 = 88 | CES77 = 64 |
| CES03 = 30 | CES28 = 76 | CES53 = 74 | CES78 = 45 |
| CES04 = 69 | CES29 = 48 | CES54 = 80 | CES79 = 74 |
| CES05 = 46 | CES30 = 56 | CES55 = 79 | CES80 = 71 |
| CES06 = 50 | CES31 = 54 | CES56 = 68 | CES81 = 72 |
| CES07 = 39 | CES32 = 50 | CES57 = 65 | CES82 = 88 |
| CES08 = 38 | CES33 = 60 | CES58 = 67 | CES83 = 82 |
| CES09 = 29 | CES34 = 62 | CES59 = 87 | CES84 = 87 |
| CES10 = 72 | CES35 = 79 | CES60 = 91 | CES85 = 84 |
| CES11 = 56 | CES36 = 90 | CES61 = 87 | CES86 = 74 |
| CES12 = 61 | CES37 = 72 | CES62 = 79 | CES87 = 75 |
| CES13 = 41 | CES38 = 66 | CES63 = 72 | CES88 = 76 |
| CES14 = 74 | CES39 = 91 | CES64 = 70 | CES89 = 74 |
| CES15 = 70 | CES40 = 83 | CES65 = 63 | CES90 = 73 |
| CES16 = 46 | CES41 = 83 | CES66 = 64 | CES91 = 92 |
| CES17 = 49 | CES42 = 70 | CES67 = 62 | CES92 = 67 |
| CES18 = 55 | CES43 = 68 | CES68 = 69 | CES93 = 81 |
| CES19 = 71 | CES44 = 98 | CES69 = 80 | CES94 = 56 |
| CES20 = 64 | CES45 = 78 | CES70 = 56 | CES95 = 71 |
| CES21 = 85 | CES46 = 77 | CES71 = 53 | CES96 = 77 |
| CES22 = 77 | CES47 = 73 | CES72 = 84 | CES97 = 82 |
| CES23 = 91 | CES48 = 65 | CES73 = 46 | CES98 = 71 |
| CES24 = 90 | CES49 = 76 | CES74 = 94 | CES99 = 59 |
| CES25 = 71 | CES50 = 85 | CES75 = 49 | |



Color Rendition by Hue-Angle Bin



Measure Comparisons



(END OF REPORT)