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

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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: McGRAW-EDISON

Report Number: P1501455

Luminaire Tested: GSS-SB3C-750-U-T2LG

Issue Date: 07/20/2026

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Peachtree City, GA 30269

Scaled Data Report

Test Information

Test Method:	LM-79-2024
Report Number:	P1501455
Test Lab:	INNOVATION CENTER(G1)
Issue Date:	7/20/2026
Manufacturer:	COOPER LIGHTING SOLUTIONS
Product Line:	McGRAW-EDISON
Catalog Number:	GSS-SB3C-750-U-T2LG
Description:	GALLEON II SLIM SITE HIGH DENSITY LED ARRAYS 3SQUARE 150W 70CRI 5000K FIXTURE w/ TYPE II LOW GLARE DISTRIBUTION FIXTURE
Light Source:	(78) 5000K CCT, 70 CRI LEDS
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	21942.9 lumens
Efficiency:	N/A
Efficacy:	146.3 lumens/watt
Luminous Opening:	Rectangular (W 1.5' x L: 0.5' x H: 0')
IES Classification:	Type II - Short
BUG Rating:	B3 - U0 - G3

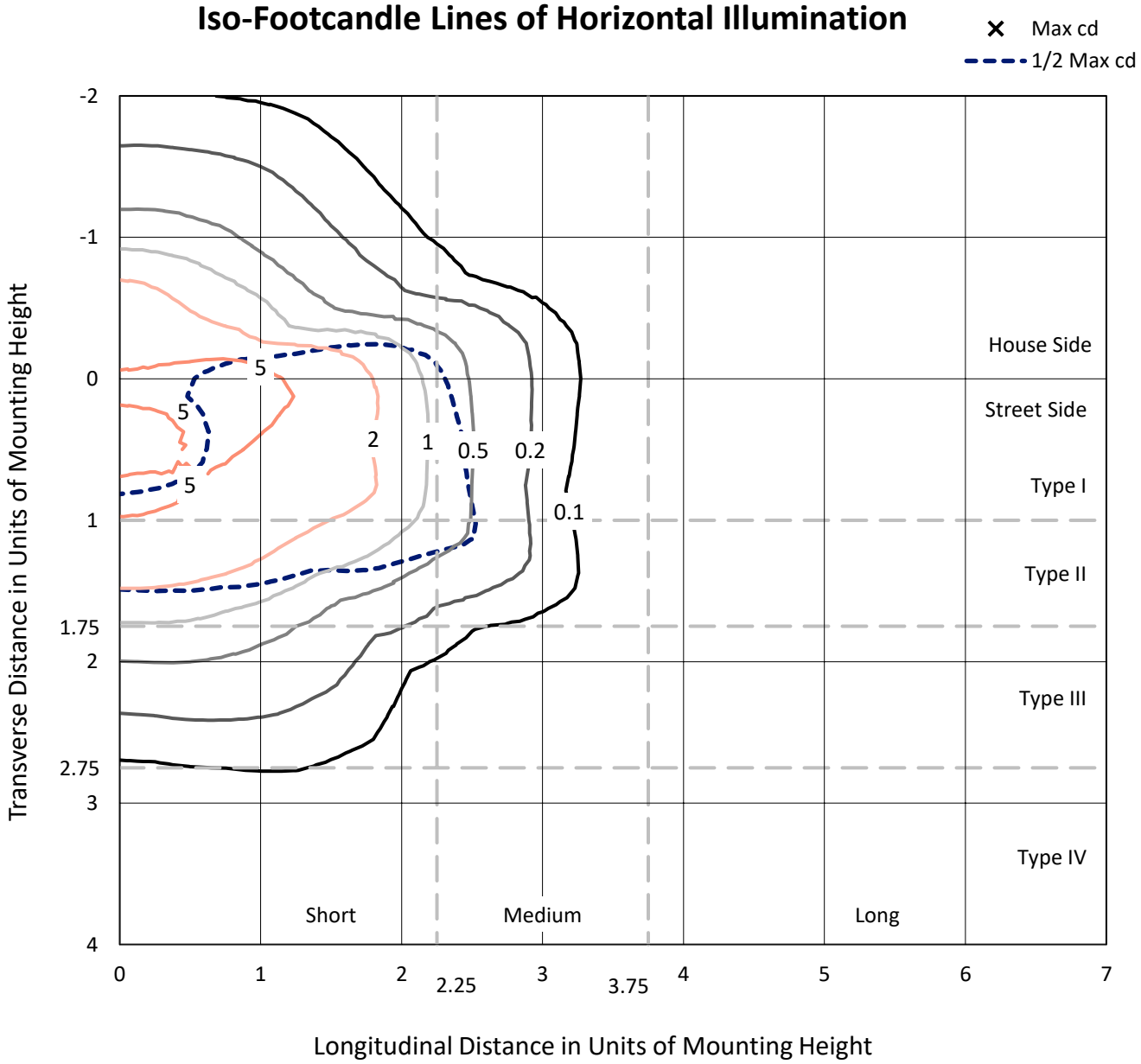
Input Watts (W):	150
Input Voltage (V):	120
Input Current (Ain):	NR
Voltage Rise (V):	NR
Power Factor:	0.98
Total Harmonic Distortion (THDi):	6.3%
Frequency (hertz):	60
Stabilization Time:	NR
Operation Time:	NR
Ambient Temperature (°C):	NR
Test Distance:	28.75 FT

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Iso-Footcandle Lines of Horizontal Illumination



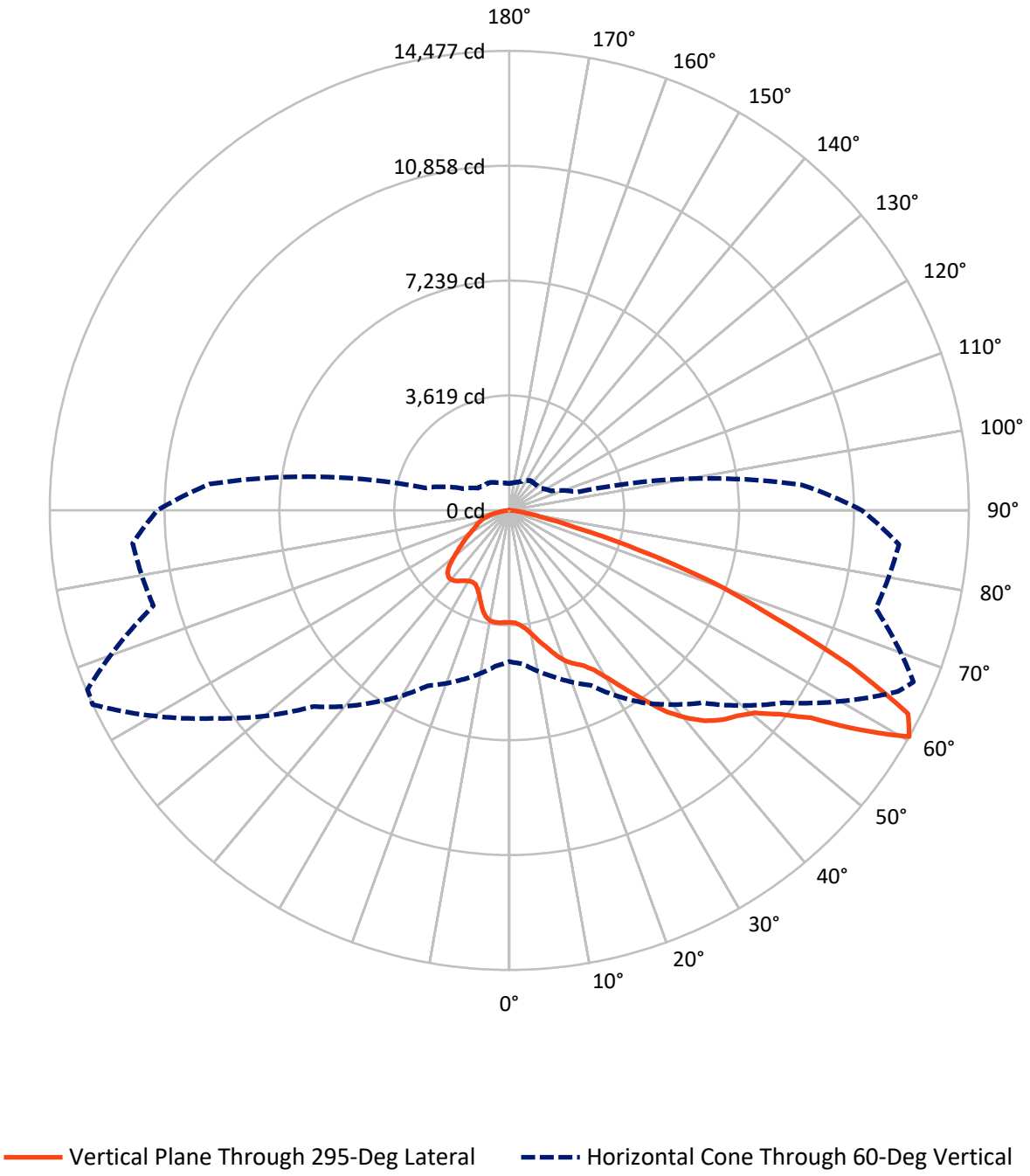
Based on 25 foot mounting height. Maximum calculated value = 8.5 fc
Type II - Short - N/A

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Luminous Intensity Polar Plot



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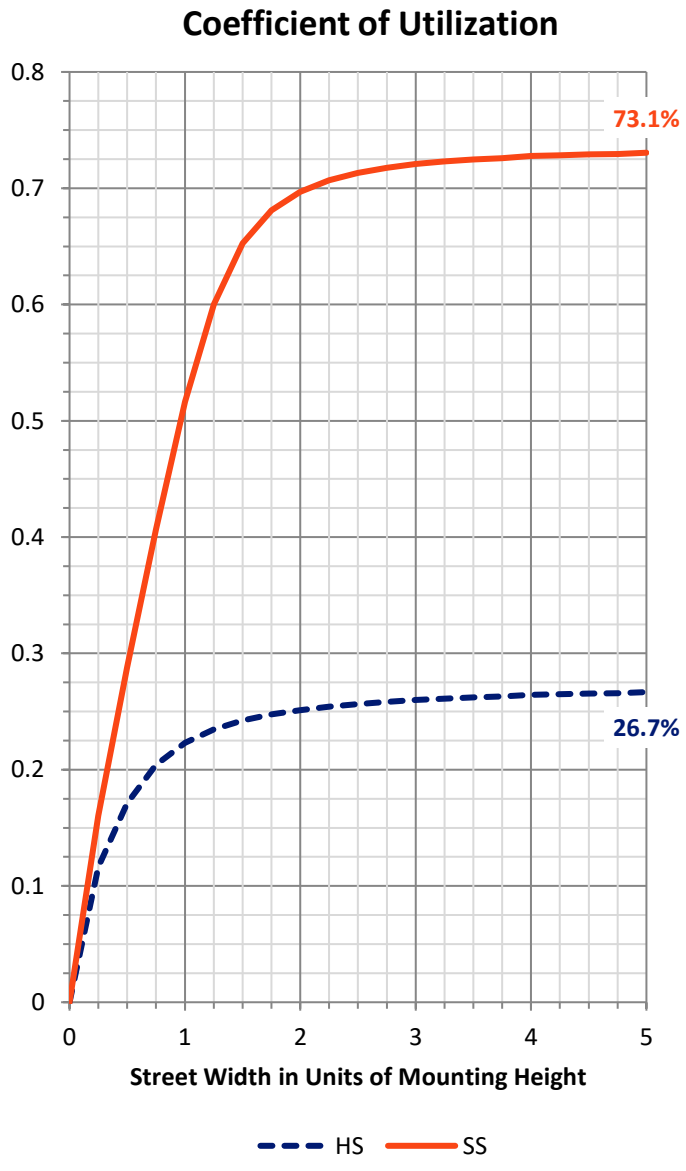
REPORT NUMBER: P1501455
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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	5900.7	0.0	5900.7
	% Fixture	26.9	0.0	26.9
Street Side	Lumens	16042.2	0.0	16042.2
	% Fixture	73.1	0.0	73.1
Total	Lumens	21942.9	0.0	21942.9
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	332.0	1.5
10°-20°	954.2	4.3
20°-30°	1807.5	8.2
30°-40°	3186.5	14.5
40°-50°	4712.6	21.5
50°-60°	5533.8	25.2
60°-70°	4009.5	18.3
70°-80°	1236.5	5.6
80°-90°	170.2	0.8
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°	21942.9	100.0
0°-180°	21942.9	100.0



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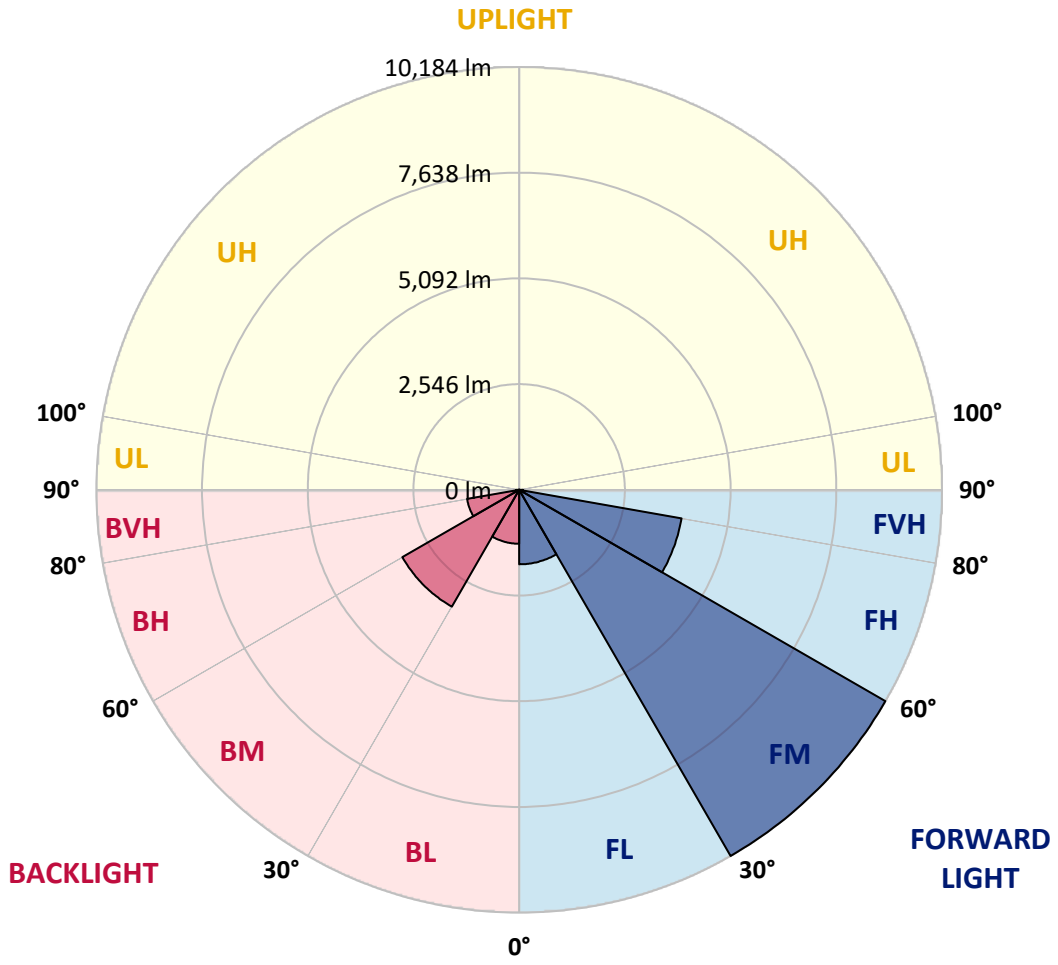
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	1794.2	8.2			
FM	(30°-60°)	10183.8	46.4			
FH	(60°-80°)	3972.3	18.1			G2/5000
FVH	(80°-90°)	91.8	0.4			G1/100
BL	(0°-30°)	1299.5	5.9	B3/2500		
BM	(30°-60°)	3249.1	14.8	B3/5000		
BH	(60°-80°)	1273.7	5.8	B3/2500		G3/2500
BVH	(80°-90°)	78.4	0.4			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G3
Type II Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	67°	75°	85°
0°	3530.5	3530.5	3530.5	3530.5	3530.5	3530.5	3530.5	3530.5	3530.5	3530.5	3530.5
2.5°	3600.5	3610.5	3595.5	3605.5	3605.5	3590.5	3585.5	3565.5	3575.5	3570.5	3565.5
5°	3685.5	3690.5	3680.5	3695.5	3695.5	3700.5	3695.5	3670.5	3670.5	3670.5	3660.5
7.5°	3660.5	3660.5	3665.5	3715.5	3765.5	3830.6	3830.6	3820.6	3830.6	3825.6	3780.5
10°	3450.5	3470.5	3515.5	3640.5	3760.5	3900.6	3995.6	4025.6	4025.6	4030.6	3955.6
12.5°	3075.4	3090.4	3195.5	3385.5	3635.5	3890.6	4120.6	4270.6	4285.6	4310.6	4210.6
15°	2740.4	2750.4	2825.4	3020.4	3305.5	3755.5	4190.6	4500.7	4550.7	4655.7	4505.7
17.5°	2770.4	2765.4	2785.4	2860.4	3065.4	3535.5	4175.6	4770.7	4860.7	5045.7	4915.7
20°	2950.4	2950.4	2965.4	2980.4	3055.4	3375.5	4065.6	4990.7	5165.7	5525.8	5375.8
22.5°	3235.5	3235.5	3230.5	3255.5	3255.5	3445.5	4070.6	5155.7	5415.8	6060.9	5915.9
25°	3630.5	3610.5	3610.5	3620.5	3575.5	3710.5	4195.6	5325.8	5665.8	6696.0	6570.9
27.5°	4075.6	4090.6	4080.6	4045.6	3985.6	4090.6	4495.6	5590.8	5945.9	7366.1	7316.1
30°	4560.7	4565.7	4575.7	4555.7	4505.7	4580.7	4965.7	5990.9	6315.9	8066.2	8176.2
32.5°	5035.7	5105.7	5080.7	5030.7	5050.7	5185.7	5545.8	6530.9	6866.0	8716.3	9106.3
35°	5640.8	5665.8	5765.8	5580.8	5585.8	5815.8	6285.9	7241.0	7566.1	9391.4	10036.4
37.5°	6520.9	6565.9	6520.9	6230.9	6185.9	6505.9	7006.0	7941.1	8176.2	9901.4	10901.6
40°	7386.1	7441.1	7516.1	7176.0	6891.0	7156.0	7686.1	8476.2	8721.3	10181.5	11476.7
42.5°	8101.2	8191.2	8111.2	8011.2	7751.1	7801.1	8161.2	8891.3	9136.3	10536.5	12056.7
45°	8706.3	8721.3	8756.3	8686.3	8556.2	8511.2	8566.2	9256.3	9526.4	10696.5	12341.8
47.5°	8956.3	9021.3	9051.3	9171.3	9306.3	9216.3	8911.3	9426.4	9671.4	10686.5	12431.8
50°	8821.3	8886.3	9046.3	9331.3	9656.4	9816.4	9316.3	9661.4	9936.4	10866.6	12616.8
52.5°	8466.2	8536.2	8796.3	9121.3	9666.4	10031.4	9886.4	10151.5	10416.5	11186.6	12926.9
55°	7606.1	7711.1	8076.2	8616.2	9366.4	9916.4	10486.5	10871.6	11161.6	11571.7	13246.9
57.5°	6355.9	6465.9	6876.0	7686.1	8811.3	9441.4	10661.5	12221.8	12351.8	12031.7	13276.9
60°	*4760.7*	*4850.7*	*5430.8*	*6080.9*	*7401.1*	*8571.2*	*10561.5*	*13502.0*	*13832.0*	*11951.7*	*12321.8*
62.5°	3770.5	3880.6	4395.6	4695.7	5640.8	7081.0	10211.5	13857.0	14142.0	11291.6	10991.6
65°	2945.4	3020.4	3500.5	3930.6	4160.6	4835.7	8751.3	12121.8	12376.8	10216.5	9071.3
67.5°	1945.3	2060.3	2630.4	3220.5	3340.5	3075.4	6020.9	9326.3	9446.4	8121.2	6821.0
70°	1395.2	1450.2	1875.3	2505.4	2685.4	2060.3	3280.5	7061.0	7096.0	5450.8	4595.7
72.5°	950.1	960.1	1275.2	1920.3	2140.3	1495.2	1805.3	4650.7	4530.7	2690.4	2630.4
75°	645.1	655.1	815.1	1280.2	1515.2	1040.2	1175.2	2535.4	2435.4	1485.2	1595.2
77.5°	435.1	445.1	560.1	860.1	1010.1	720.1	860.1	1340.2	1315.2	985.1	855.1
80°	330.0	345.0	415.1	550.1	705.1	420.1	490.1	635.1	645.1	525.1	435.1
82.5°	185.0	205.0	250.0	280.0	455.1	235.0	235.0	380.1	365.1	325.0	235.0
85°	80.0	85.0	100.0	105.0	185.0	100.0	85.0	165.0	170.0	160.0	75.0
87.5°	15.0	15.0	15.0	15.0	15.0	15.0	15.0	20.0	20.0	20.0	20.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	3530.5	3530.5	3530.5	3530.5	3530.5	3530.5	3530.5	3530.5	3530.5	3530.5	3530.5
2.5°	3540.5	3570.5	3540.5	3525.5	3525.5	3500.5	3490.5	3490.5	3455.5	3470.5	3460.5
5°	3620.5	3630.5	3595.5	3550.5	3490.5	3440.5	3370.5	3280.5	3225.5	3220.5	3225.5
7.5°	3745.5	3750.5	3655.5	3555.5	3405.5	3225.5	3010.4	2835.4	2680.4	2655.4	2685.4
10°	3920.6	3910.6	3770.5	3535.5	3220.5	2840.4	2510.4	2350.3	2260.3	2255.3	2250.3
12.5°	4155.6	4090.6	3875.6	3450.5	2900.4	2460.4	2290.3	2280.3	2305.3	2325.3	2330.3
15°	4425.6	4340.6	3960.6	3285.5	2575.4	2320.3	2330.3	2415.3	2445.4	2465.4	2465.4
17.5°	4760.7	4650.7	4055.6	3050.4	2410.3	2350.3	2420.3	2500.4	2550.4	2570.4	2565.4
20°	5205.8	4975.7	4130.6	2825.4	2365.3	2400.3	2460.4	2540.4	2590.4	2615.4	2615.4
22.5°	5650.8	5365.8	4145.6	2670.4	2365.3	2405.3	2460.4	2540.4	2595.4	2620.4	2615.4
25°	6255.9	5865.8	4150.6	2560.4	2370.3	2380.3	2430.4	2500.4	2580.4	2605.4	2615.4
27.5°	6901.0	6415.9	4175.6	2535.4	2350.3	2345.3	2380.3	2445.4	2525.4	2590.4	2595.4
30°	7701.1	7036.0	4185.6	2560.4	2355.3	2290.3	2315.3	2380.3	2465.4	2530.4	2550.4
32.5°	8486.2	7611.1	4165.6	2615.4	2365.3	2255.3	2260.3	2300.3	2390.3	2435.4	2470.4
35°	9316.3	8221.2	4130.6	2690.4	2370.3	2240.3	2195.3	2215.3	2275.3	2280.3	2295.3
37.5°	9966.4	8676.3	4025.6	2790.4	2380.3	2185.3	2095.3	2080.3	2055.3	2005.3	2015.3
40°	10501.5	8981.3	3850.6	2840.4	2355.3	2120.3	1970.3	1900.3	1805.3	1730.2	1745.3
42.5°	10886.6	9186.3	3640.5	2850.4	2315.3	2010.3	1825.3	1705.2	1600.2	1520.2	1525.2
45°	11056.6	9166.3	3415.5	2775.4	2220.3	1875.3	1690.2	1575.2	1460.2	1375.2	1365.2
47.5°	11061.6	8971.3	3105.4	2595.4	2060.3	1720.2	1565.2	1440.2	1345.2	1285.2	1280.2
50°	11101.6	8861.3	2815.4	2335.3	1850.3	1555.2	1455.2	1330.2	1275.2	1190.2	1165.2
52.5°	11351.6	9041.3	2615.4	2050.3	1655.2	1435.2	1360.2	1250.2	1160.2	1105.2	1100.2
55°	11756.7	9351.4	2505.4	1835.3	1470.2	1320.2	1270.2	1175.2	1095.2	1040.2	1025.1
57.5°	11806.7	9511.4	2375.3	1635.2	1320.2	1230.2	1210.2	1105.2	990.1	950.1	935.1
60°	*11106.6*	*9241.3*	*2215.3*	*1450.2*	*1210.2*	*1160.2*	*1150.2*	*1010.1*	*915.1*	*865.1*	*845.1*
62.5°	10151.5	8566.2	1970.3	1280.2	1125.2	1090.2	1050.2	940.1	820.1	765.1	750.1
65°	8296.2	7201.0	1675.2	1165.2	1040.2	1000.1	990.1	840.1	760.1	730.1	725.1
67.5°	6285.9	5785.8	1475.2	1080.2	950.1	935.1	900.1	850.1	815.1	780.1	770.1
70°	4445.6	4175.6	1255.2	970.1	860.1	835.1	980.1	925.1	800.1	755.1	750.1
72.5°	2695.4	2620.4	1085.2	870.1	740.1	780.1	905.1	835.1	720.1	665.1	645.1
75°	1700.2	1555.2	910.1	740.1	590.1	635.1	790.1	745.1	620.1	565.1	550.1
77.5°	925.1	860.1	685.1	605.1	465.1	515.1	690.1	615.1	495.1	540.1	480.1
80°	405.1	450.1	455.1	350.1	310.0	380.1	495.1	480.1	380.1	385.1	320.0
82.5°	195.0	255.0	295.0	240.0	175.0	225.0	330.0	275.0	255.0	240.0	230.0
85°	60.0	95.0	130.0	115.0	80.0	95.0	155.0	150.0	180.0	155.0	145.0
87.5°	20.0	20.0	15.0	15.0	15.0	20.0	25.0	15.0	5.0	5.0	0.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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CANDELA DISTRIBUTION (continued):

	185°	195°	205°	215°	225°	235°	245°	255°	265°	270°	275°
0°	3530.5	3530.5	3530.5	3530.5	3530.5	3530.5	3530.5	3530.5	3530.5	3530.5	3530.5
2.5°	3455.5	3460.5	3460.5	3465.5	3465.5	3480.5	3500.5	3520.5	3505.5	3525.5	3530.5
5°	3215.5	3240.5	3260.5	3335.5	3395.5	3445.5	3500.5	3550.5	3565.5	3575.5	3600.5
7.5°	2650.4	2720.4	2850.4	3020.4	3210.5	3395.5	3520.5	3650.5	3670.5	3695.5	3730.5
10°	2255.3	2285.3	2375.3	2550.4	2890.4	3255.5	3560.5	3765.5	3850.6	3900.6	3935.6
12.5°	2320.3	2300.3	2285.3	2310.3	2530.4	3000.4	3535.5	3930.6	4090.6	4145.6	4190.6
15°	2475.4	2455.4	2400.3	2330.3	2355.3	2730.4	3450.5	4085.6	4340.6	4430.6	4525.7
17.5°	2565.4	2545.4	2500.4	2425.4	2360.3	2505.4	3290.5	4225.6	4735.7	4845.7	4980.7
20°	2615.4	2595.4	2550.4	2475.4	2400.3	2420.3	3085.4	4400.6	5185.7	5360.8	5560.8
22.5°	2625.4	2600.4	2550.4	2475.4	2430.4	2415.3	2890.4	4505.7	5670.8	5940.9	6170.9
25°	2620.4	2575.4	2510.4	2455.4	2430.4	2425.4	2755.4	4565.7	6195.9	6626.0	6886.0
27.5°	2585.4	2530.4	2465.4	2425.4	2415.3	2445.4	2695.4	4635.7	6811.0	7361.1	7776.1
30°	2545.4	2465.4	2385.3	2370.3	2395.3	2490.4	2745.4	4660.7	7456.1	8161.2	8586.2
32.5°	2440.4	2380.3	2300.3	2295.3	2355.3	2525.4	2860.4	4625.7	8026.2	8961.3	9496.4
35°	2290.3	2255.3	2210.3	2225.3	2320.3	2555.4	2940.4	4515.7	8546.2	9706.4	10331.5
37.5°	2025.3	2050.3	2075.3	2110.3	2230.3	2550.4	2975.4	4340.6	8976.3	10301.5	11101.6
40°	1730.2	1815.3	1895.3	1985.3	2145.3	2510.4	2985.4	4125.6	9226.3	10751.6	11786.7
42.5°	1545.2	1625.2	1725.2	1855.3	2030.3	2420.3	2975.4	3885.6	9306.3	11061.6	12221.8
45°	1375.2	1470.2	1595.2	1730.2	1930.3	2290.3	2885.4	3625.5	9346.4	11206.6	12406.8
47.5°	1285.2	1340.2	1455.2	1590.2	1800.3	2130.3	2710.4	3435.5	9286.3	11236.6	12631.8
50°	1180.2	1255.2	1330.2	1460.2	1665.2	1930.3	2500.4	3325.5	9386.4	11531.7	12986.9
52.5°	1100.2	1140.2	1220.2	1340.2	1490.2	1745.3	2300.3	3235.5	9661.4	11831.7	13356.9
55°	1040.2	1085.2	1135.2	1235.2	1350.2	1560.2	2095.3	3100.4	9981.4	12151.8	13727.0
57.5°	945.1	975.1	1045.2	1150.2	1225.2	1380.2	1855.3	2940.4	9956.4	11901.7	13086.9
60°	*860.1*	*890.1*	*965.1*	*1070.2*	*1115.2*	*1220.2*	*1620.2*	*2735.4*	*9476.4*	*11086.6*	*11906.7*
62.5°	765.1	800.1	890.1	965.1	1005.1	1085.2	1375.2	2360.3	8476.2	9861.4	10526.5
65°	725.1	745.1	805.1	895.1	890.1	965.1	1160.2	1855.3	6821.0	7536.1	8141.2
67.5°	770.1	800.1	790.1	815.1	800.1	840.1	1040.2	1490.2	5360.8	5675.8	6025.9
70°	760.1	830.1	865.1	815.1	700.1	745.1	900.1	1190.2	3835.6	3805.5	3790.5
72.5°	665.1	735.1	835.1	885.1	685.1	620.1	780.1	1030.1	2460.4	2450.4	2215.3
75°	565.1	615.1	735.1	800.1	590.1	500.1	670.1	875.1	1470.2	1490.2	1330.2
77.5°	520.1	495.1	615.1	705.1	480.1	385.1	540.1	660.1	810.1	820.1	760.1
80°	375.1	360.1	460.1	515.1	365.1	275.0	305.0	410.1	435.1	390.1	405.1
82.5°	240.0	245.0	275.0	330.0	225.0	150.0	210.0	275.0	235.0	190.0	225.0
85°	155.0	175.0	145.0	170.0	70.0	70.0	90.0	120.0	80.0	55.0	60.0
87.5°	0.0	0.0	10.0	20.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
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

Scaled Data Report

REPORT NUMBER: P1501455
CATALOG NUMBER: GSS-SB3C-750-U-T2LG

CANDELA DISTRIBUTION (continued):

	285°	293°	295°	305°	315°	325°	335°	345°	355°	360°
0°	3530.5	3530.5	*3530.5*	3530.5	3530.5	3530.5	3530.5	3530.5	3530.5	3530.5
2.5°	3545.5	3540.5	*3540.5*	3550.5	3575.5	3585.5	3600.5	3595.5	3610.5	3600.5
5°	3615.5	3620.5	*3635.5*	3640.5	3655.5	3675.5	3680.5	3675.5	3685.5	3685.5
7.5°	3755.5	3775.5	*3765.5*	3790.5	3770.5	3745.5	3705.5	3675.5	3650.5	3660.5
10°	3990.6	3980.6	*3975.6*	3930.6	3840.6	3710.5	3605.5	3490.5	3470.5	3450.5
12.5°	4250.6	4240.6	*4240.6*	4085.6	3830.6	3560.5	3320.5	3140.5	3080.4	3075.4
15°	4615.7	4550.7	*4490.6*	4165.6	3655.5	3195.5	2915.4	2775.4	2740.4	2740.4
17.5°	5070.7	4900.7	*4800.7*	4105.6	3370.5	2955.4	2790.4	2755.4	2745.4	2770.4
20°	5635.8	5205.8	*5060.7*	3970.6	3265.5	2985.4	2905.4	2910.4	2915.4	2950.4
22.5°	6255.9	5485.8	*5245.8*	3970.6	3370.5	3175.5	3135.5	3190.5	3205.5	3235.5
25°	6946.0	5735.8	*5410.8*	4180.6	3680.5	3535.5	3485.5	3540.5	3580.5	3630.5
27.5°	7721.1	5995.9	*5695.8*	4560.7	4080.6	3990.6	3935.6	3960.6	4015.6	4075.6
30°	8416.2	6430.9	*6130.9*	5140.7	4625.7	4515.7	4420.6	4460.6	4520.7	4560.7
32.5°	9031.3	6961.0	*6706.0*	5750.8	5250.8	5060.7	4955.7	4945.7	5065.7	5035.7
35°	9596.4	7586.1	*7341.1*	6445.9	5885.9	5650.8	5510.8	5690.8	5610.8	5640.8
37.5°	10041.5	8236.2	*8041.2*	7111.0	6545.9	6225.9	6140.9	6360.9	6485.9	6520.9
40°	10406.5	8801.3	*8596.2*	7771.1	7151.0	6916.0	7051.0	7416.1	7401.1	7386.1
42.5°	10686.5	9286.3	*9061.3*	8271.2	7731.1	7776.1	7881.1	8126.2	8186.2	8101.2
45°	10811.6	9591.4	*9411.4*	8666.3	8391.2	8651.2	8696.3	8801.3	8761.3	8706.3
47.5°	10956.6	9861.4	*9671.4*	9026.3	9106.3	9361.4	9271.3	9186.3	9041.3	8956.3
50°	11201.6	10181.5	*10021.4*	9551.4	9841.4	9756.4	9406.4	9216.3	8921.3	8821.3
52.5°	11666.7	10786.6	*10666.5*	10381.5	10186.5	9696.4	9271.3	8931.3	8601.2	8466.2
55°	12081.7	11606.7	*11536.7*	11156.6	10081.5	9381.4	8811.3	8286.2	7721.1	7606.1
57.5°	12321.8	12966.9	*13046.9*	11486.7	9601.4	8666.3	7826.1	6986.0	6450.9	6355.9
60°	*11606.7*	*14437.1*	*14477.1*	*11421.7*	*8736.3*	*7376.1*	*6095.9*	*5500.8*	*4925.7*	*4760.7*
62.5°	10621.5	14132.0	*14097.0*	11031.6	6956.0	5380.8	4630.7	4350.6	3905.6	3770.5
65°	9131.3	11771.7	*11811.7*	9531.4	4625.7	3890.6	3890.6	3535.5	3040.4	2945.4
67.5°	7441.1	9076.3	*8986.3*	6180.9	2840.4	3115.5	3265.5	2755.4	2060.3	1945.3
70°	4835.7	6931.0	*6806.0*	3565.5	1785.3	2595.4	2570.4	2070.3	1475.2	1395.2
72.5°	2080.3	4005.6	*4260.6*	1820.3	1345.2	2090.3	2050.3	1450.2	985.1	950.1
75°	1255.2	2015.3	*2195.3*	1160.2	980.1	1575.2	1420.2	920.1	670.1	645.1
77.5°	795.1	1105.2	*1095.2*	870.1	735.1	1065.2	955.1	635.1	455.1	435.1
80°	460.1	545.1	*565.1*	545.1	495.1	760.1	610.1	460.1	355.1	330.0
82.5°	295.0	340.0	*345.0*	265.0	275.0	490.1	330.0	270.0	205.0	185.0
85°	130.0	145.0	*140.0*	90.0	90.0	200.0	115.0	110.0	80.0	80.0
87.5°	5.0	10.0	*5.0*	5.0	5.0	20.0	10.0	15.0	15.0	15.0
90°	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

Report Generated By FNC07603 / LDUCLS01DT446
Version: v7.04

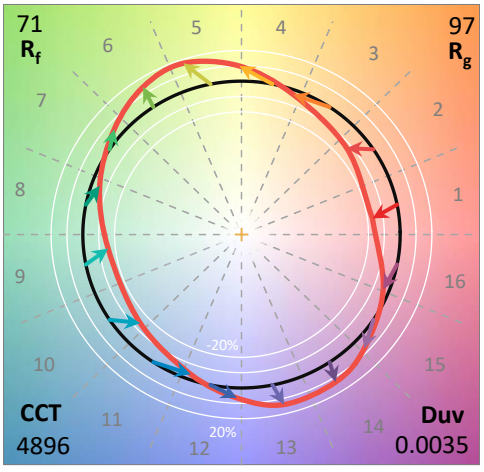
Test Information

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



Test Conditions

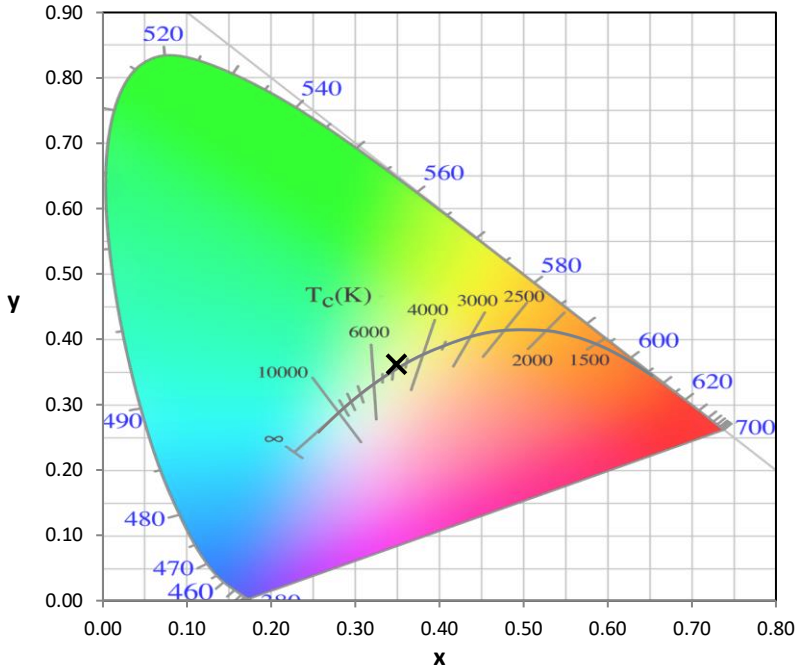
Stabilization Time:	21M
Operation Time:	1H 21M
Sphere Temperature (°C):	25.2

REPORT NUMBER: SP1-2407-184-6

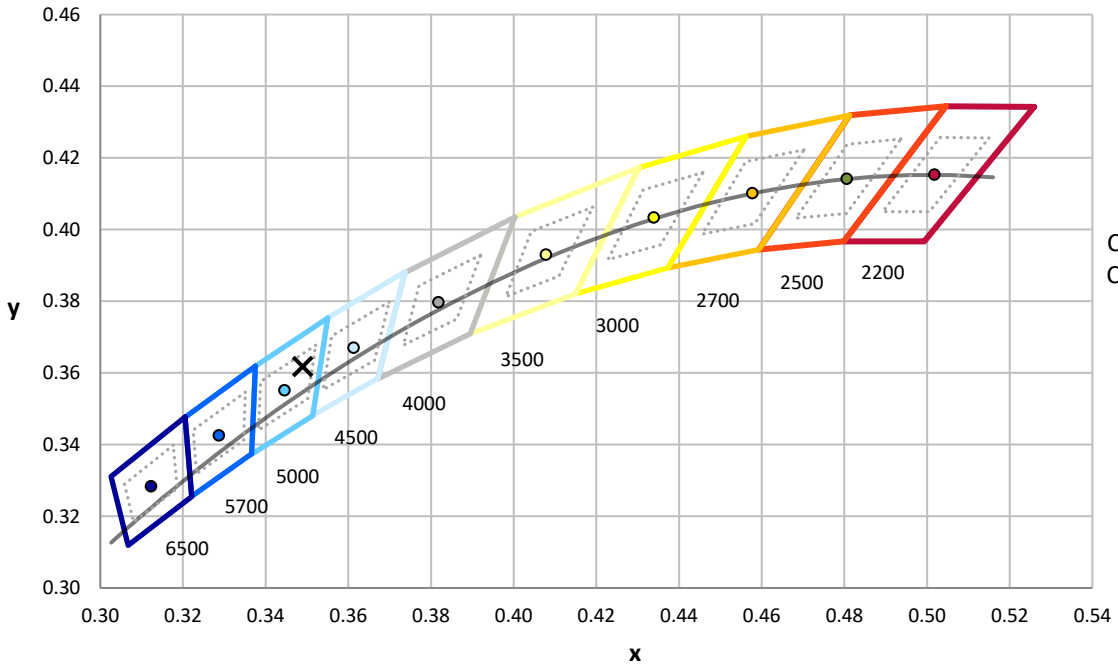
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

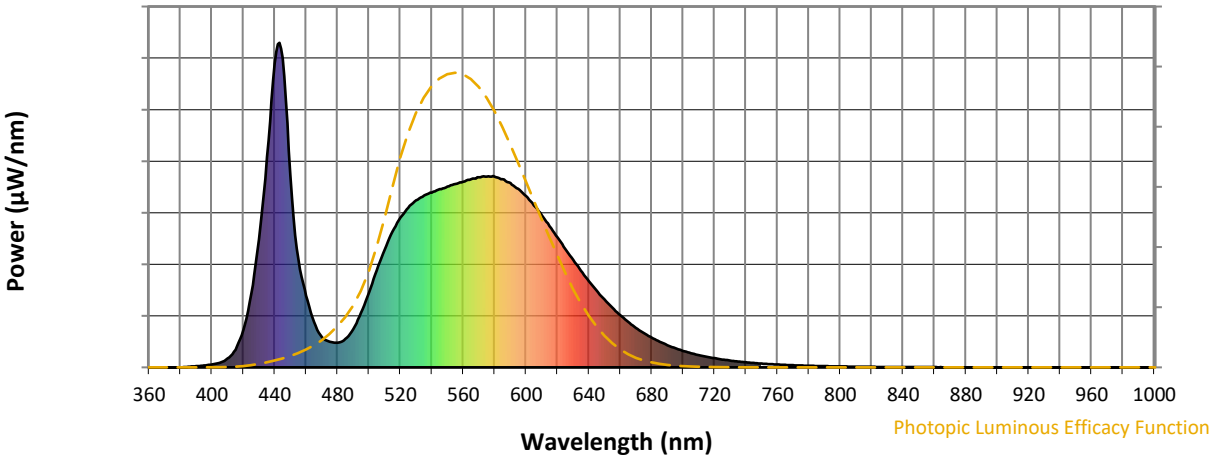


CCT = 4896K
CIE x = 0.3489
CIE y = 0.3618
Duv = 0.0035

Point lies inside the ANSI 5000K 4-step quadrangle

REPORT NUMBER: SP1-2407-184-6

Photopic Flux vs. Wavelength

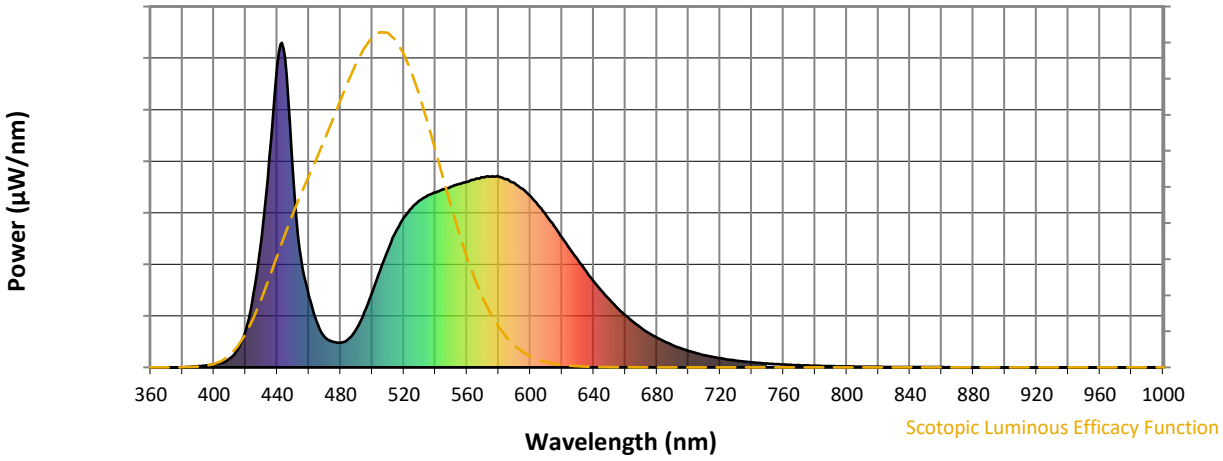


Photopic Lumens: NR

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

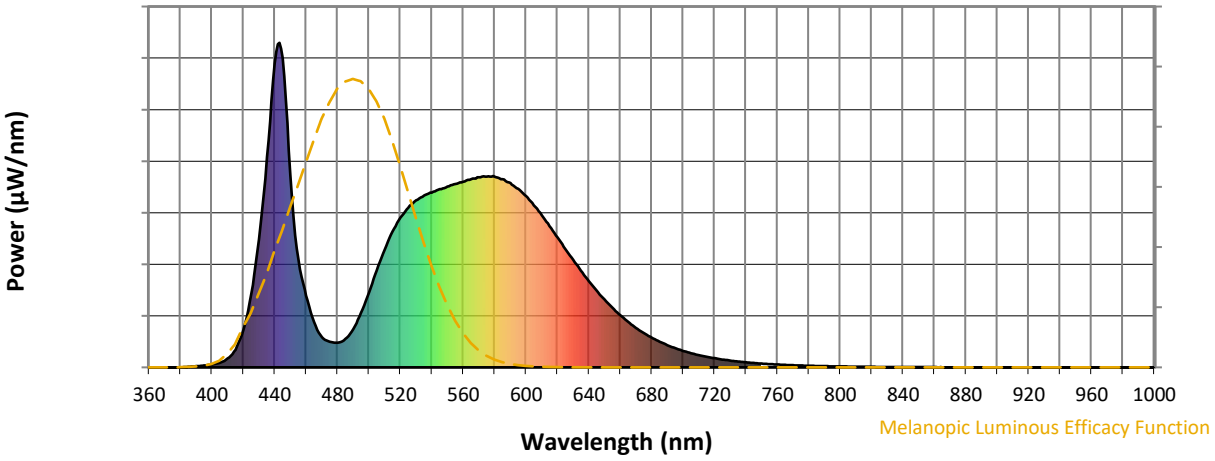


Scotopic Lumens: NR **S/P: 1.7**

λ (nm)	Power 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

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			

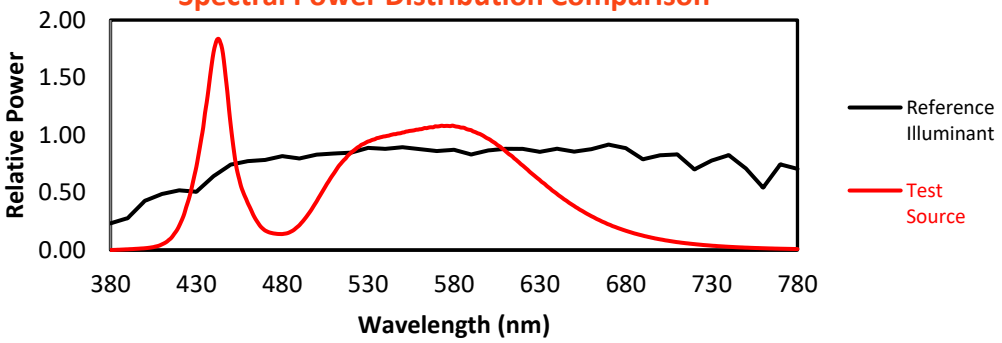
REPORT NUMBER: SP1-2407-184-6

TM-30-18

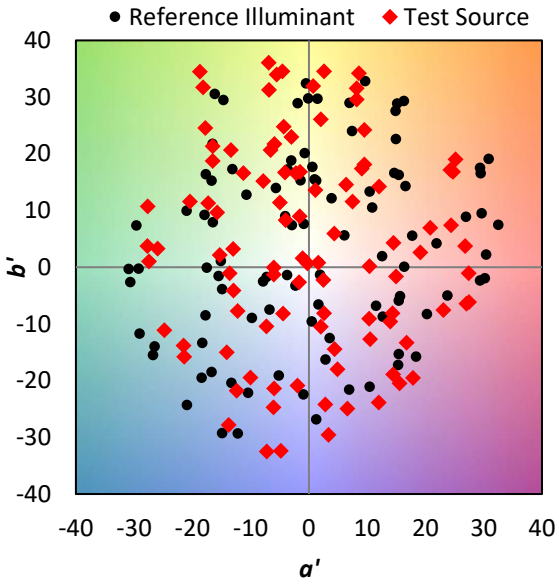
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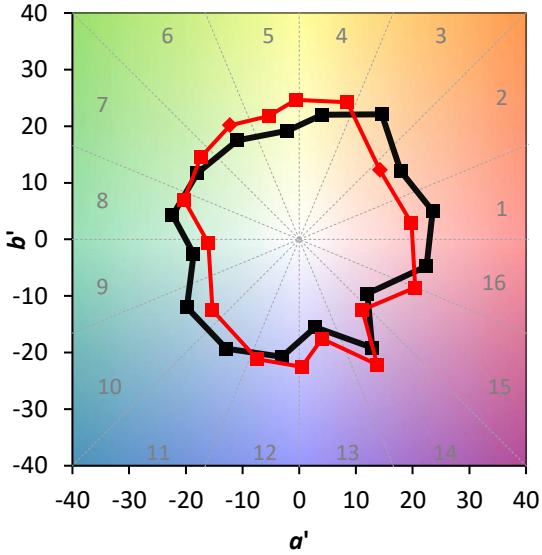
R_f = 70.7
R_g = 96.8
CIE R_a = 70.2
R_9 = -35.1

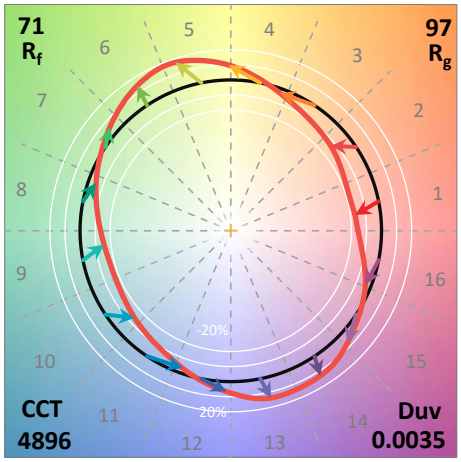
Spectral Power Distribution Comparison

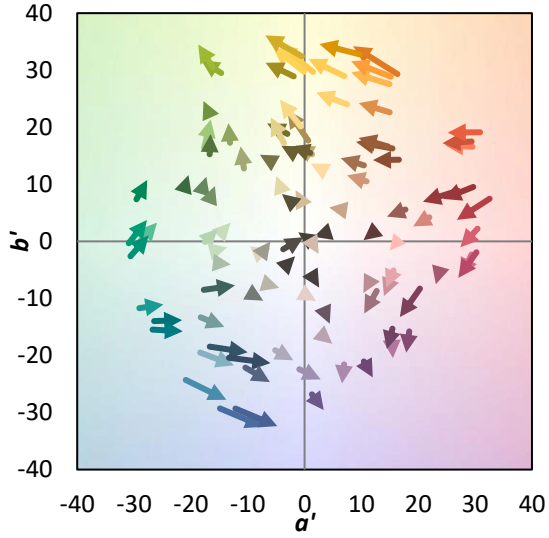


Color Vector Graphics







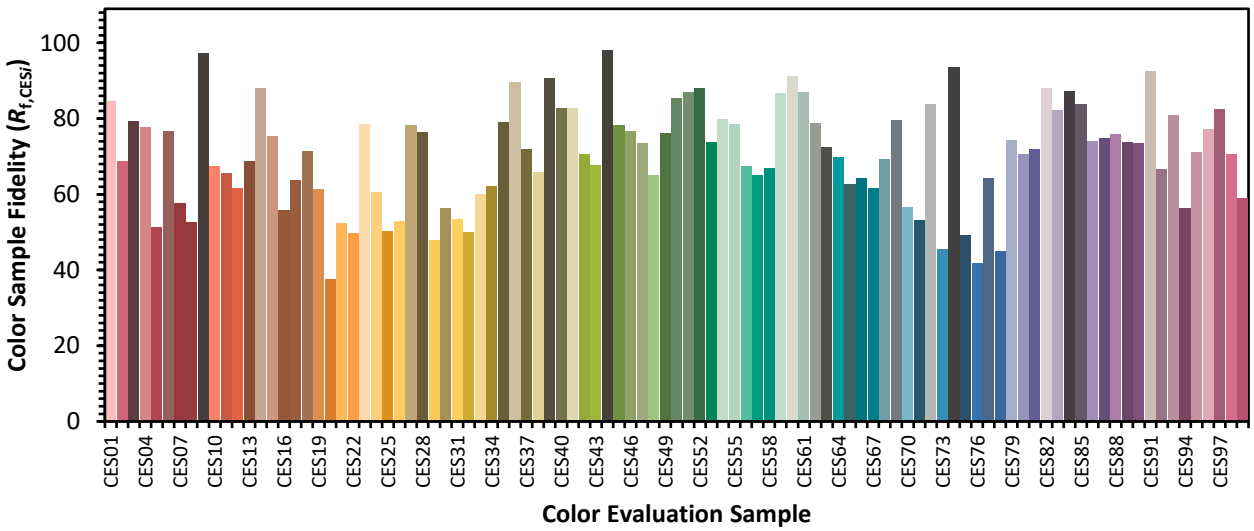


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Individual Sample Fidelity Index ($R_{f,i}$)

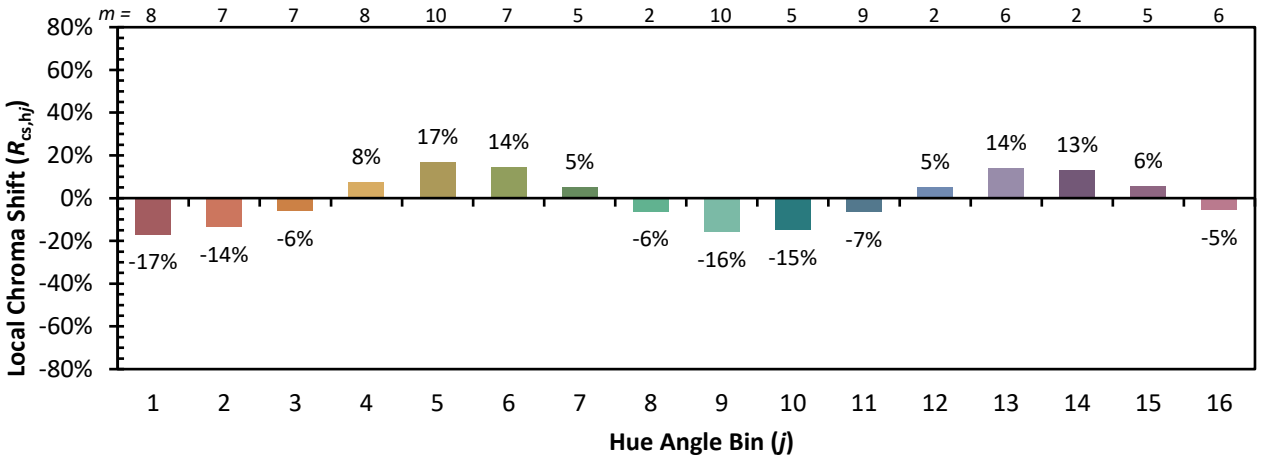
CES01 = 85	CES26 = 53	CES51 = 87	CES76 = 42
CES02 = 59	CES27 = 78	CES52 = 88	CES77 = 64
CES03 = 30	CES28 = 76	CES53 = 74	CES78 = 45
CES04 = 69	CES29 = 48	CES54 = 80	CES79 = 74
CES05 = 46	CES30 = 56	CES55 = 79	CES80 = 71
CES06 = 50	CES31 = 54	CES56 = 68	CES81 = 72
CES07 = 39	CES32 = 50	CES57 = 65	CES82 = 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	

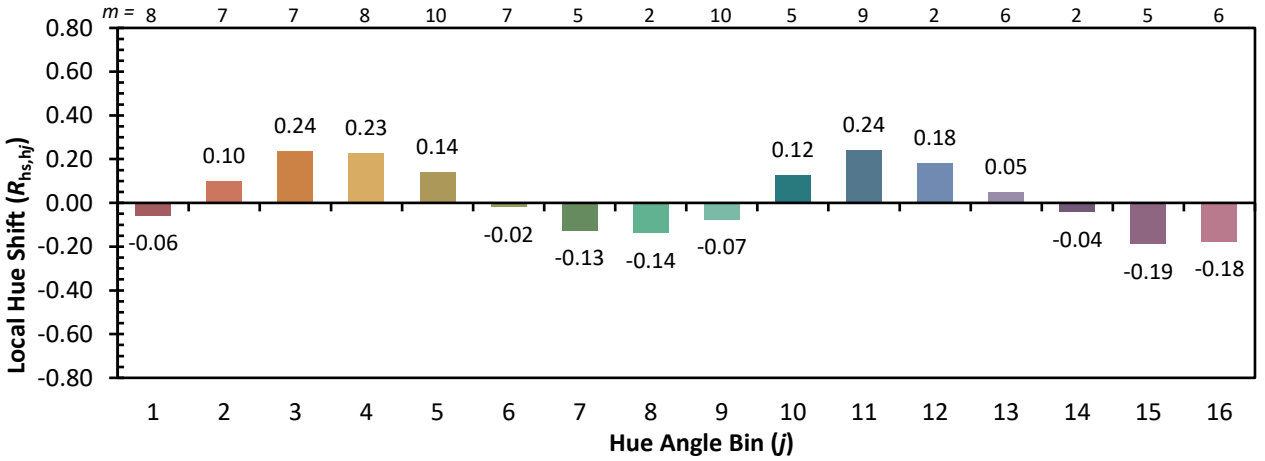


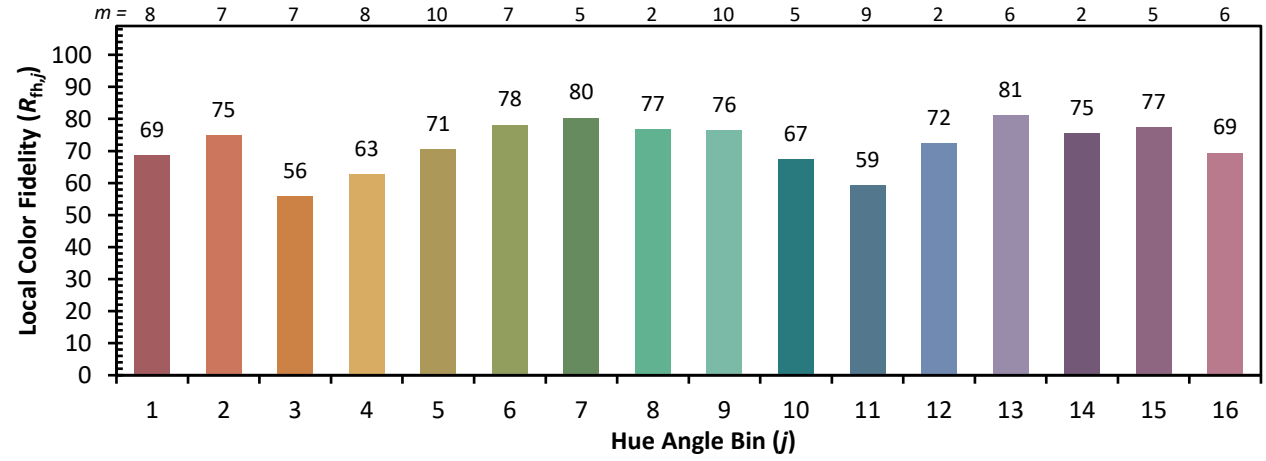
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Color Rendition by Hue-Angle Bin



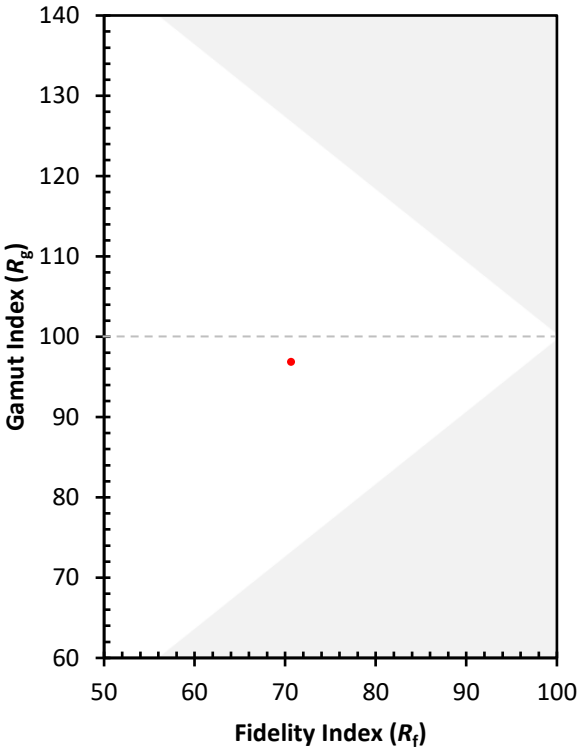


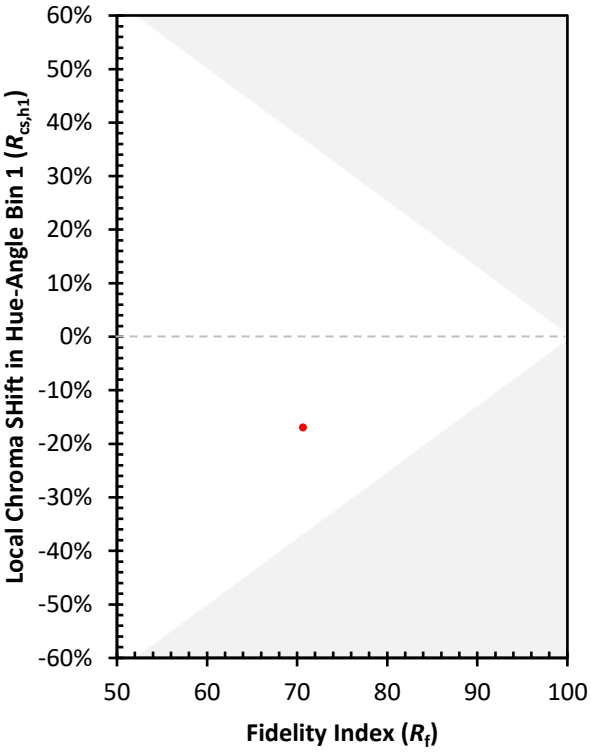


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Measure Comparisons





(END OF REPORT)