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: P1501389

Luminaire Tested: GSS-SB5A-727-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:	P1501389
Test Lab:	INNOVATION CENTER(G1)
Issue Date:	7/20/2026
Manufacturer:	COOPER LIGHTING SOLUTIONS
Product Line:	McGRAW-EDISON
Catalog Number:	GSS-SB5A-727-U-T2LG
Description:	GALLEON II SLIM SITE HIGH DENSITY LED ARRAYS 5SQUARE 143W 70CRI 2700K FIXTURE w/ TYPE II LOW GLARE DISTRIBUTION FIXTURE
Light Source:	(130) 2700K CCT, 70 CRI LEDS
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	20117.4 lumens
Efficiency:	N/A
Efficacy:	140.7 lumens/watt
Luminous Opening:	Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification:	Type II - Short
BUG Rating:	B3 - U0 - G3

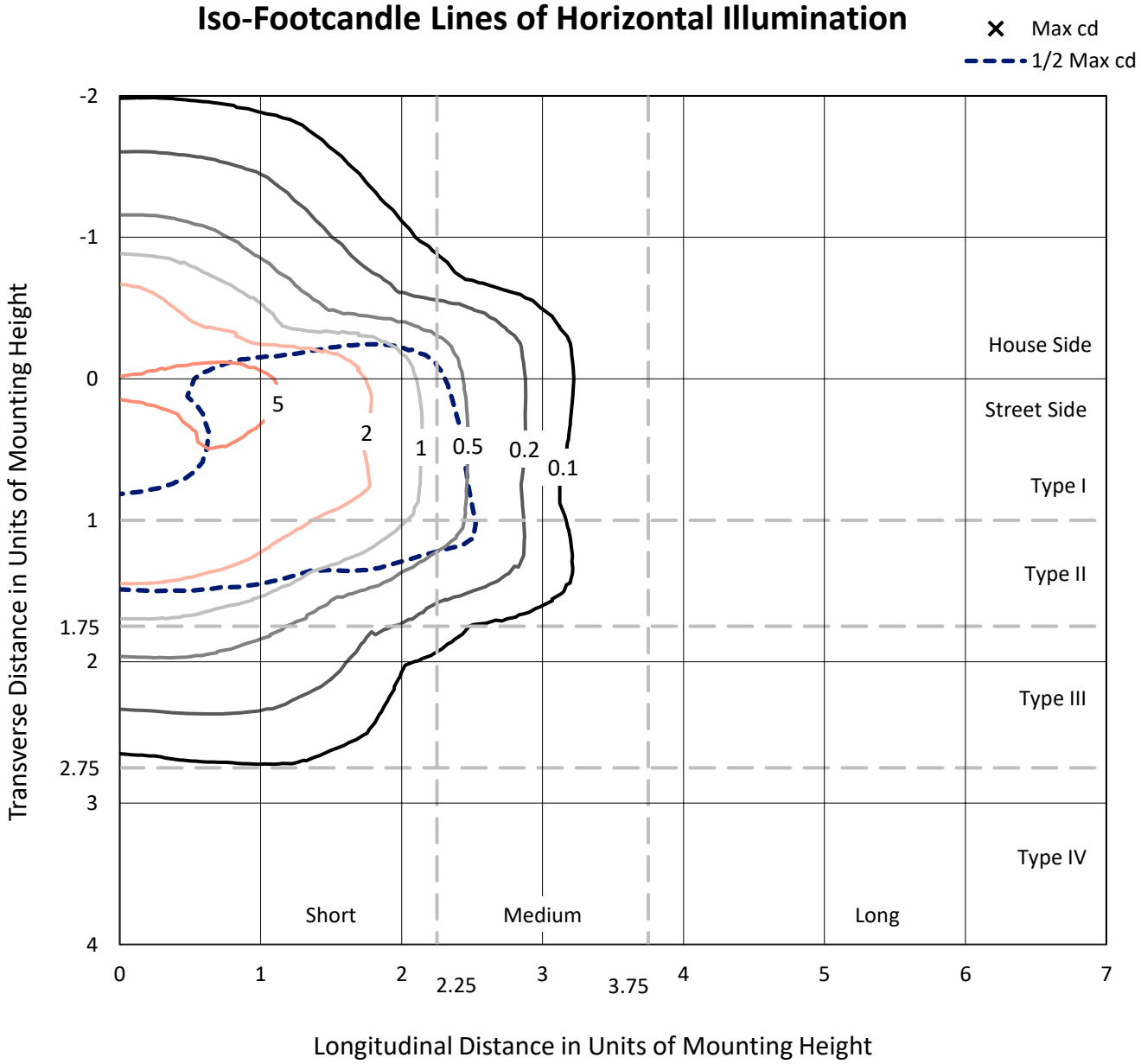
Input Watts (W):	143
Input Voltage (V):	120
Input Current (Ain):	NR
Voltage Rise (V):	NR
Power Factor:	0.98
Total Harmonic Distortion (THDi):	10.5%
Frequency (hertz):	60
Stabilization Time:	NR
Operation Time:	NR
Ambient Temperature (°C):	NR
Test Distance:	28.75 FT

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Iso-Footcandle Lines of Horizontal Illumination



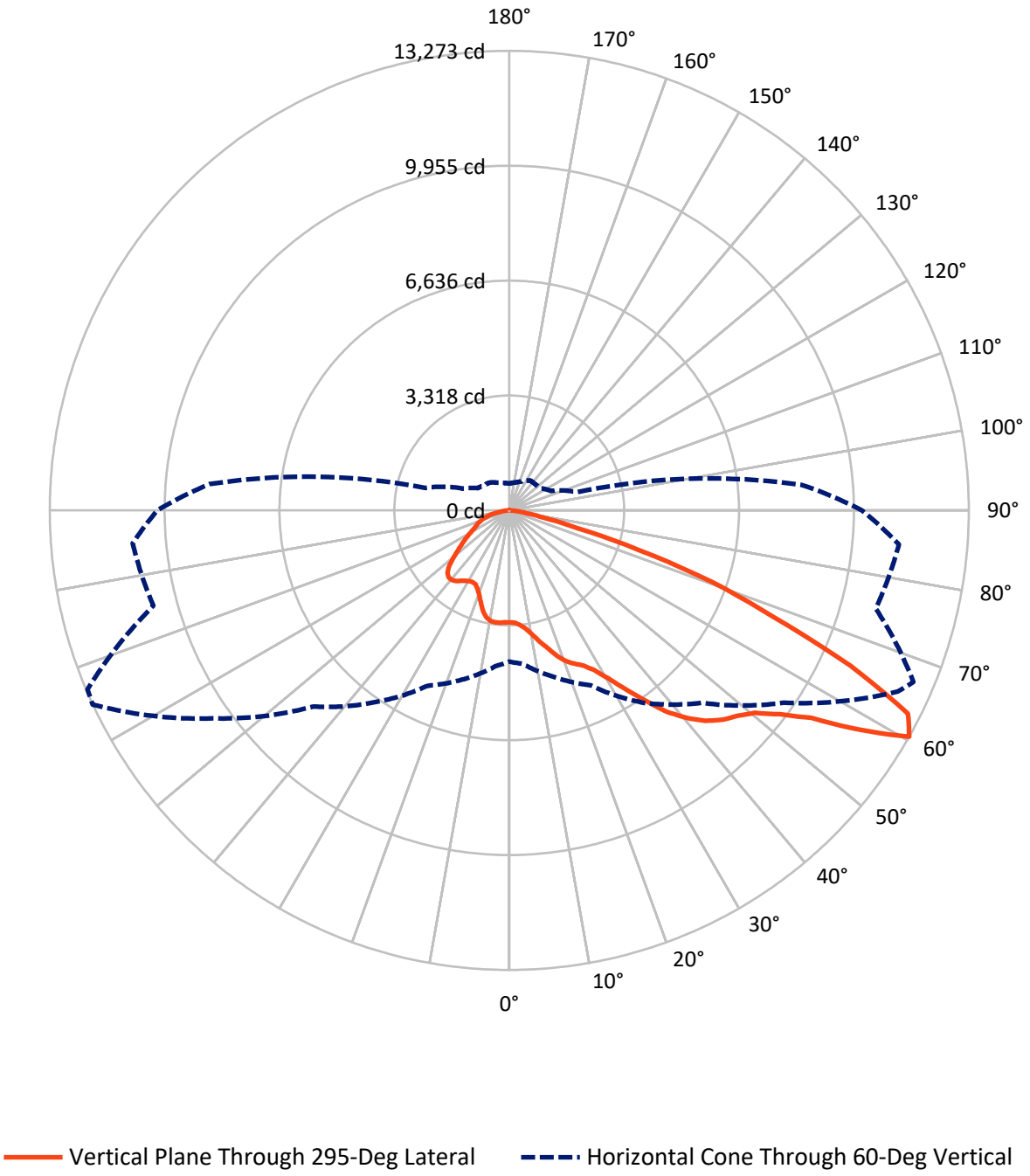
Based on 25 foot mounting height. Maximum calculated value = 7.8 fc
Type II - Short - N/A

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Luminous Intensity Polar Plot



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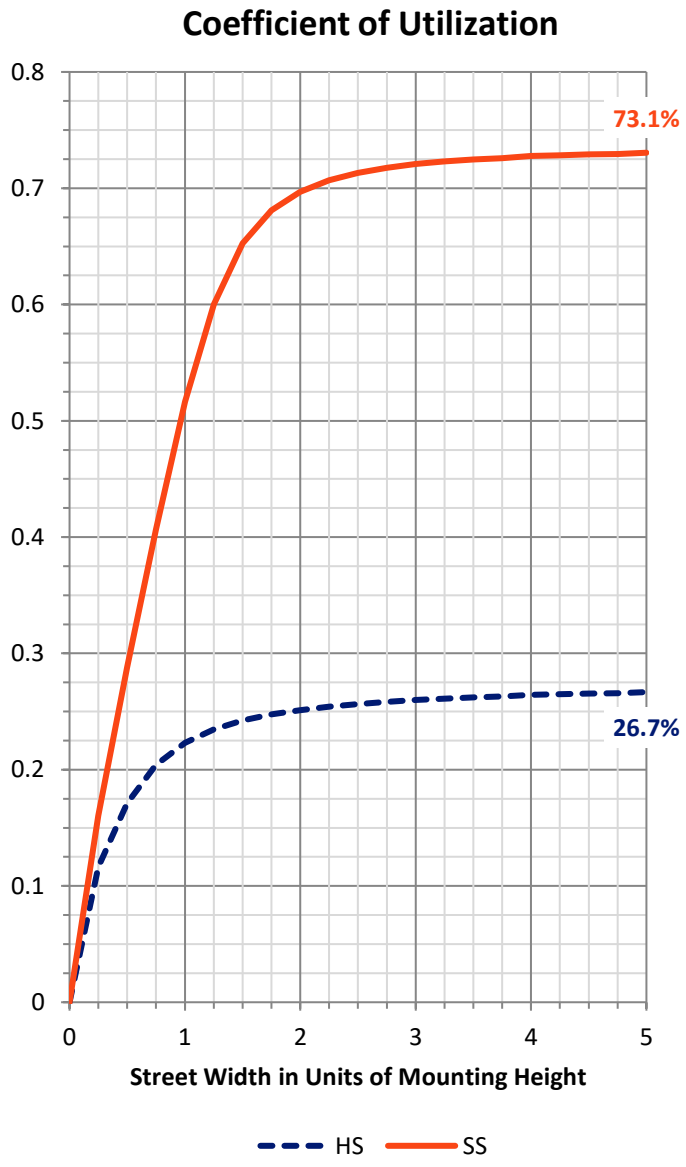
REPORT NUMBER: P1501389
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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	5409.8	0.0	5409.8
	% Fixture	26.9	0.0	26.9
Street Side	Lumens	14707.6	0.0	14707.6
	% Fixture	73.1	0.0	73.1
Total	Lumens	20117.4	0.0	20117.4
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	304.3	1.5
10°-20°	874.9	4.3
20°-30°	1657.1	8.2
30°-40°	2921.4	14.5
40°-50°	4320.5	21.5
50°-60°	5073.4	25.2
60°-70°	3675.9	18.3
70°-80°	1133.6	5.6
80°-90°	156.1	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°	20117.4	100.0
0°-180°	20117.4	100.0



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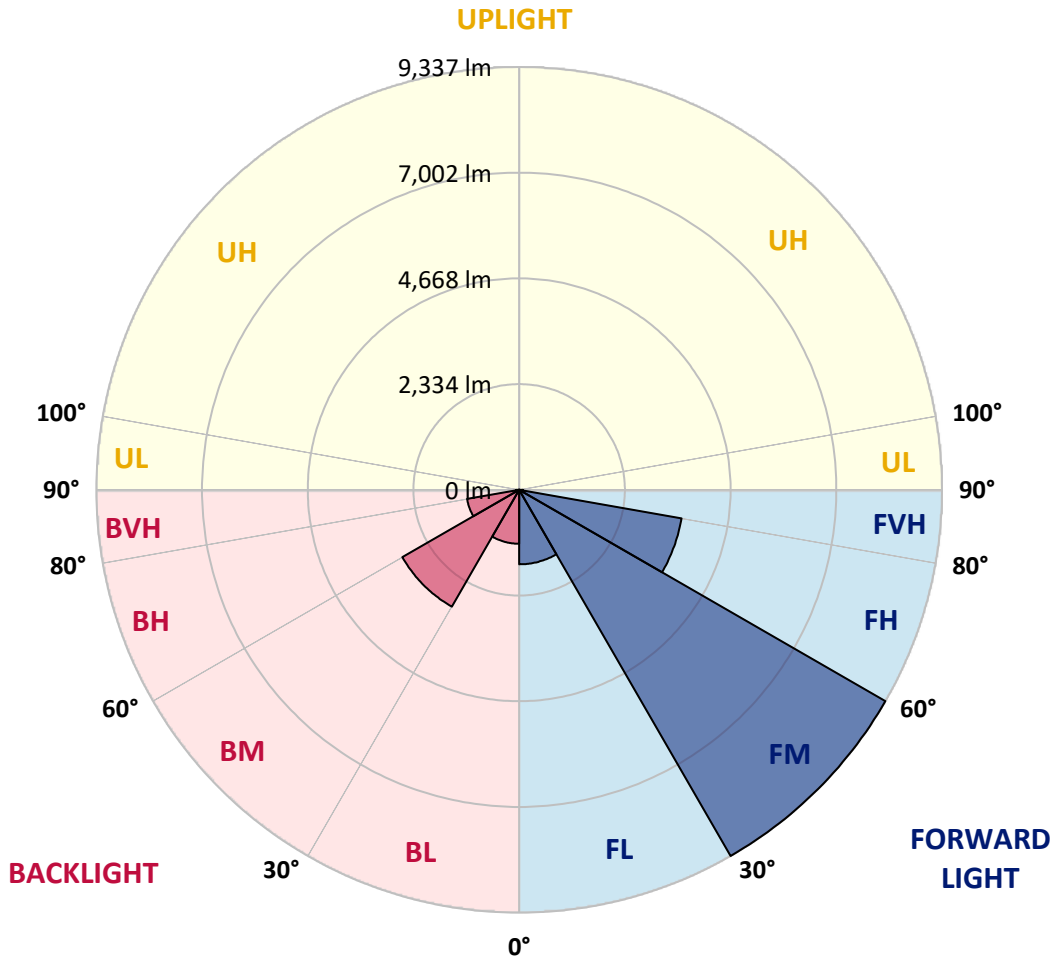
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	1644.9	8.2			
FM	(30°-60°)	9336.6	46.4			
FH	(60°-80°)	3641.9	18.1			G2/5000
FVH	(80°-90°)	84.2	0.4			G1/100
BL	(0°-30°)	1191.4	5.9	B3/2500		
BM	(30°-60°)	2978.8	14.8	B3/5000		
BH	(60°-80°)	1167.7	5.8	B3/2500		G3/2500
BVH	(80°-90°)	71.9	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°	3236.8	3236.8	3236.8	3236.8	3236.8	3236.8	3236.8	3236.8	3236.8	3236.8	3236.8
2.5°	3301.0	3310.1	3296.4	3305.6	3305.6	3291.8	3287.2	3268.9	3278.1	3273.5	3268.9
5°	3378.9	3383.5	3374.3	3388.1	3388.1	3392.7	3388.1	3365.2	3365.2	3365.2	3356.0
7.5°	3356.0	3356.0	3360.6	3406.4	3452.3	3511.9	3511.9	3502.7	3511.9	3507.3	3466.0
10°	3163.4	3181.8	3223.0	3337.7	3447.7	3576.1	3663.2	3690.7	3690.7	3695.3	3626.5
12.5°	2819.6	2833.3	2929.6	3103.8	3333.1	3566.9	3777.8	3915.3	3929.1	3952.0	3860.3
15°	2512.4	2521.6	2590.3	2769.2	3030.5	3443.1	3842.0	4126.2	4172.1	4268.3	4130.8
17.5°	2539.9	2535.3	2553.7	2622.4	2810.4	3241.4	3828.2	4373.8	4456.3	4626.0	4506.7
20°	2705.0	2705.0	2718.7	2732.5	2801.2	3094.7	3727.4	4575.5	4736.0	5066.1	4928.5
22.5°	2966.3	2966.3	2961.7	2984.6	2984.6	3158.9	3731.9	4726.8	4965.2	5556.6	5423.7
25°	3328.5	3310.1	3310.1	3319.3	3278.1	3401.8	3846.6	4882.7	5194.5	6138.9	6024.3
27.5°	3736.5	3750.3	3741.1	3709.0	3654.0	3750.3	4121.6	5125.7	5451.2	6753.2	6707.4
30°	4181.2	4185.8	4195.0	4176.7	4130.8	4199.6	4552.6	5492.5	5790.5	7395.1	7496.0
32.5°	4616.8	4681.0	4658.0	4612.2	4630.5	4754.3	5084.4	5987.6	6294.8	7991.1	8348.7
35°	5171.5	5194.5	5286.1	5116.5	5121.1	5332.0	5763.0	6638.6	6936.6	8610.0	9201.5
37.5°	5978.4	6019.7	5978.4	5712.5	5671.3	5964.7	6423.1	7280.5	7496.0	9077.7	9994.6
40°	6771.6	6822.0	6890.8	6579.0	6317.7	6560.7	7046.7	7771.0	7995.7	9334.4	10521.9
42.5°	7427.2	7509.7	7436.4	7344.7	7106.3	7152.1	7482.2	8151.6	8376.2	9659.9	11053.7
45°	7981.9	7995.7	8027.8	7963.6	7844.4	7803.1	7853.6	8486.3	8733.8	9806.6	11315.0
47.5°	8211.2	8270.8	8298.3	8408.3	8532.1	8449.6	8169.9	8642.1	8866.8	9797.5	11397.5
50°	8087.4	8147.0	8293.7	8555.0	8853.0	8999.7	8541.3	8857.6	9109.8	9962.5	11567.2
52.5°	7761.9	7826.1	8064.5	8362.5	8862.2	9196.9	9063.9	9306.9	9549.9	10255.9	11851.4
55°	6973.3	7069.6	7404.3	7899.4	8587.1	9091.4	9614.1	9967.1	10233.0	10609.0	12144.8
57.5°	5827.1	5928.0	6303.9	7046.7	8078.2	8655.9	9774.6	11205.0	11324.2	11030.8	12172.3
60°	*4364.6*	*4447.1*	*4979.0*	*5575.0*	*6785.3*	*7858.2*	*9682.9*	*12378.7*	*12681.2*	*10957.4*	*11296.7*
62.5°	3456.9	3557.7	4029.9	4305.0	5171.5	6491.9	9361.9	12704.2	12965.5	10352.2	10077.1
65°	2700.4	2769.2	3209.3	3603.6	3814.5	4433.4	8023.2	11113.3	11347.1	9366.5	8316.6
67.5°	1783.4	1888.9	2411.5	2952.5	3062.6	2819.6	5520.0	8550.4	8660.5	7445.5	6253.5
70°	1279.1	1329.6	1719.3	2296.9	2462.0	1888.9	3007.6	6473.6	6505.7	4997.3	4213.3
72.5°	871.1	880.3	1169.1	1760.5	1962.2	1370.8	1655.1	4263.8	4153.7	2466.6	2411.5
75°	591.4	600.6	747.3	1173.7	1389.2	953.6	1077.4	2324.4	2232.7	1361.7	1462.5
77.5°	398.9	408.0	513.5	788.6	926.1	660.2	788.6	1228.7	1205.8	903.2	784.0
80°	302.6	316.3	380.5	504.3	646.4	385.1	449.3	582.3	591.4	481.4	398.9
82.5°	169.6	188.0	229.2	256.7	417.2	215.5	215.5	348.4	334.7	298.0	215.5
85°	73.4	77.9	91.7	96.3	169.6	91.7	77.9	151.3	155.9	146.7	68.8
87.5°	13.8	13.8	13.8	13.8	13.8	13.8	13.8	18.3	18.3	18.3	18.3
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°	3236.8	3236.8	3236.8	3236.8	3236.8	3236.8	3236.8	3236.8	3236.8	3236.8	3236.8
2.5°	3246.0	3273.5	3246.0	3232.2	3232.2	3209.3	3200.1	3200.1	3168.0	3181.8	3172.6
5°	3319.3	3328.5	3296.4	3255.1	3200.1	3154.3	3090.1	3007.6	2957.1	2952.5	2957.1
7.5°	3433.9	3438.5	3351.4	3259.7	3122.2	2957.1	2760.0	2599.5	2457.4	2434.5	2462.0
10°	3594.4	3585.2	3456.9	3241.4	2952.5	2604.1	2301.5	2154.8	2072.3	2067.7	2063.1
12.5°	3809.9	3750.3	3553.1	3163.4	2659.1	2255.7	2099.8	2090.6	2113.5	2131.9	2136.5
15°	4057.4	3979.5	3631.1	3012.1	2361.1	2127.3	2136.5	2214.4	2241.9	2260.3	2260.3
17.5°	4364.6	4263.8	3718.2	2796.7	2209.8	2154.8	2219.0	2292.3	2338.2	2356.5	2351.9
20°	4772.7	4561.8	3787.0	2590.3	2168.6	2200.7	2255.7	2329.0	2374.9	2397.8	2397.8
22.5°	5180.7	4919.4	3800.7	2448.2	2168.6	2205.2	2255.7	2329.0	2379.5	2402.4	2397.8
25°	5735.4	5377.8	3805.3	2347.4	2173.1	2182.3	2228.2	2292.3	2365.7	2388.6	2397.8
27.5°	6326.9	5882.2	3828.2	2324.4	2154.8	2150.2	2182.3	2241.9	2315.3	2374.9	2379.5
30°	7060.4	6450.7	3837.4	2347.4	2159.4	2099.8	2122.7	2182.3	2260.3	2319.9	2338.2
32.5°	7780.2	6977.9	3819.0	2397.8	2168.6	2067.7	2072.3	2109.0	2191.5	2232.7	2264.8
35°	8541.3	7537.2	3787.0	2466.6	2173.1	2053.9	2012.7	2031.0	2086.0	2090.6	2104.4
37.5°	9137.3	7954.4	3690.7	2558.3	2182.3	2003.5	1921.0	1907.2	1884.3	1838.5	1847.6
40°	9627.8	8234.1	3530.2	2604.1	2159.4	1943.9	1806.4	1742.2	1655.1	1586.3	1600.1
42.5°	9980.9	8422.1	3337.7	2613.3	2122.7	1843.0	1673.4	1563.4	1467.1	1393.7	1398.3
45°	10136.7	8403.7	3131.3	2544.5	2035.6	1719.3	1549.6	1444.2	1338.7	1260.8	1251.6
47.5°	10141.3	8224.9	2847.1	2379.5	1888.9	1577.1	1435.0	1320.4	1233.3	1178.3	1173.7
50°	10178.0	8124.1	2581.2	2141.0	1696.3	1425.8	1334.1	1219.5	1169.1	1091.2	1068.2
52.5°	10407.2	8289.1	2397.8	1879.7	1517.5	1315.8	1247.0	1146.2	1063.6	1013.2	1008.6
55°	10778.6	8573.4	2296.9	1682.6	1347.9	1210.4	1164.5	1077.4	1004.0	953.6	939.9
57.5°	10824.4	8720.1	2177.7	1499.2	1210.4	1127.8	1109.5	1013.2	907.8	871.1	857.3
60°	*10182.6*	*8472.5*	*2031.0*	*1329.6*	*1109.5*	*1063.6*	*1054.5*	*926.1*	*839.0*	*793.2*	*774.8*
62.5°	9306.9	7853.6	1806.4	1173.7	1031.6	999.5	962.8	861.9	751.9	701.5	687.7
65°	7606.0	6602.0	1535.9	1068.2	953.6	916.9	907.8	770.2	696.9	669.4	664.8
67.5°	5763.0	5304.5	1352.5	990.3	871.1	857.3	825.2	779.4	747.3	715.2	706.0
70°	4075.8	3828.2	1150.8	889.4	788.6	765.6	898.6	848.2	733.6	692.3	687.7
72.5°	2471.1	2402.4	994.9	797.7	678.5	715.2	829.8	765.6	660.2	609.8	591.4
75°	1558.8	1425.8	834.4	678.5	541.0	582.3	724.4	683.1	568.5	518.1	504.3
77.5°	848.2	788.6	628.1	554.7	426.4	472.2	632.7	563.9	453.9	495.1	440.1
80°	371.4	412.6	417.2	320.9	284.3	348.4	453.9	440.1	348.4	353.0	293.4
82.5°	178.8	233.8	270.5	220.1	160.5	206.3	302.6	252.2	233.8	220.1	210.9
85°	55.0	87.1	119.2	105.4	73.4	87.1	142.1	137.5	165.0	142.1	133.0
87.5°	18.3	18.3	13.8	13.8	13.8	18.3	22.9	13.8	4.6	4.6	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°	3236.8	3236.8	3236.8	3236.8	3236.8	3236.8	3236.8	3236.8	3236.8	3236.8	3236.8
2.5°	3168.0	3172.6	3172.6	3177.2	3177.2	3190.9	3209.3	3227.6	3213.9	3232.2	3236.8
5°	2948.0	2970.9	2989.2	3058.0	3113.0	3158.9	3209.3	3255.1	3268.9	3278.1	3301.0
7.5°	2429.9	2494.1	2613.3	2769.2	2943.4	3113.0	3227.6	3346.8	3365.2	3388.1	3420.2
10°	2067.7	2095.2	2177.7	2338.2	2649.9	2984.6	3264.3	3452.3	3530.2	3576.1	3608.1
12.5°	2127.3	2109.0	2095.2	2118.1	2319.9	2750.8	3241.4	3603.6	3750.3	3800.7	3842.0
15°	2269.4	2251.1	2200.7	2136.5	2159.4	2503.2	3163.4	3745.7	3979.5	4062.0	4149.1
17.5°	2351.9	2333.6	2292.3	2223.6	2164.0	2296.9	3016.7	3874.1	4341.7	4442.6	4566.3
20°	2397.8	2379.5	2338.2	2269.4	2200.7	2219.0	2828.8	4034.5	4754.3	4914.8	5098.2
22.5°	2407.0	2384.0	2338.2	2269.4	2228.2	2214.4	2649.9	4130.8	5199.0	5446.6	5657.5
25°	2402.4	2361.1	2301.5	2251.1	2228.2	2223.6	2526.2	4185.8	5680.4	6074.7	6313.1
27.5°	2370.3	2319.9	2260.3	2223.6	2214.4	2241.9	2471.1	4250.0	6244.3	6748.7	7129.2
30°	2333.6	2260.3	2186.9	2173.1	2196.1	2283.2	2517.0	4272.9	6835.8	7482.2	7871.9
32.5°	2237.3	2182.3	2109.0	2104.4	2159.4	2315.3	2622.4	4240.8	7358.4	8215.8	8706.3
35°	2099.8	2067.7	2026.4	2040.2	2127.3	2342.8	2695.8	4140.0	7835.2	8898.9	9472.0
37.5°	1856.8	1879.7	1902.6	1934.7	2044.8	2338.2	2727.9	3979.5	8229.5	9444.5	10178.0
40°	1586.3	1664.2	1737.6	1820.1	1966.8	2301.5	2737.1	3782.4	8458.8	9857.1	10806.1
42.5°	1416.7	1490.0	1581.7	1700.9	1861.4	2219.0	2727.9	3562.3	8532.1	10141.3	11205.0
45°	1260.8	1347.9	1462.5	1586.3	1769.7	2099.8	2645.4	3323.9	8568.8	10274.3	11374.6
47.5°	1178.3	1228.7	1334.1	1457.9	1650.5	1953.1	2484.9	3149.7	8513.8	10301.8	11580.9
50°	1082.0	1150.8	1219.5	1338.7	1526.7	1769.7	2292.3	3048.8	8605.5	10572.3	11906.4
52.5°	1008.6	1045.3	1118.7	1228.7	1366.2	1600.1	2109.0	2966.3	8857.6	10847.4	12245.7
55°	953.6	994.9	1040.7	1132.4	1237.9	1430.4	1921.0	2842.5	9151.0	11140.8	12585.0
57.5°	866.5	894.0	958.2	1054.5	1123.2	1265.4	1700.9	2695.8	9128.1	10911.6	11998.1
60°	*788.6*	*816.1*	*884.8*	*981.1*	*1022.4*	*1118.7*	*1485.4*	*2507.8*	*8688.0*	*10164.3*	*10916.1*
62.5°	701.5	733.6	816.1	884.8	921.5	994.9	1260.8	2164.0	7771.0	9041.0	9650.8
65°	664.8	683.1	738.1	820.7	816.1	884.8	1063.6	1700.9	6253.5	6909.1	7463.9
67.5°	706.0	733.6	724.4	747.3	733.6	770.2	953.6	1366.2	4914.8	5203.6	5524.5
70°	696.9	761.1	793.2	747.3	641.9	683.1	825.2	1091.2	3516.5	3488.9	3475.2
72.5°	609.8	673.9	765.6	811.5	628.1	568.5	715.2	944.4	2255.7	2246.5	2031.0
75°	518.1	563.9	673.9	733.6	541.0	458.5	614.3	802.3	1347.9	1366.2	1219.5
77.5°	476.8	453.9	563.9	646.4	440.1	353.0	495.1	605.2	742.7	751.9	696.9
80°	343.9	330.1	421.8	472.2	334.7	252.2	279.7	375.9	398.9	357.6	371.4
82.5°	220.1	224.6	252.2	302.6	206.3	137.5	192.6	252.2	215.5	174.2	206.3
85°	142.1	160.5	133.0	155.9	64.2	64.2	82.5	110.0	73.4	50.4	55.0
87.5°	0.0	0.0	9.2	18.3	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: P1501389
CATALOG NUMBER: GSS-SB5A-727-U-T2LG

CANDELA DISTRIBUTION (continued):

	285°	293°	295°	305°	315°	325°	335°	345°	355°	360°
0°	3236.8	3236.8	*3236.8*	3236.8	3236.8	3236.8	3236.8	3236.8	3236.8	3236.8
2.5°	3250.5	3246.0	*3246.0*	3255.1	3278.1	3287.2	3301.0	3296.4	3310.1	3301.0
5°	3314.7	3319.3	*3333.1*	3337.7	3351.4	3369.7	3374.3	3369.7	3378.9	3378.9
7.5°	3443.1	3461.4	*3452.3*	3475.2	3456.9	3433.9	3397.3	3369.7	3346.8	3356.0
10°	3658.6	3649.4	*3644.8*	3603.6	3521.0	3401.8	3305.6	3200.1	3181.8	3163.4
12.5°	3897.0	3887.8	*3887.8*	3745.7	3511.9	3264.3	3044.2	2879.2	2824.2	2819.6
15°	4231.7	4172.1	*4117.1*	3819.0	3351.4	2929.6	2672.9	2544.5	2512.4	2512.4
17.5°	4648.9	4493.0	*4401.3*	3764.0	3090.1	2709.6	2558.3	2526.2	2517.0	2539.9
20°	5166.9	4772.7	*4639.7*	3640.2	2993.8	2737.1	2663.7	2668.3	2672.9	2705.0
22.5°	5735.4	5029.4	*4809.3*	3640.2	3090.1	2911.3	2874.6	2925.0	2938.8	2966.3
25°	6368.1	5258.6	*4960.6*	3832.8	3374.3	3241.4	3195.5	3246.0	3282.6	3328.5
27.5°	7078.8	5497.0	*5222.0*	4181.2	3741.1	3658.6	3608.1	3631.1	3681.5	3736.5
30°	7716.0	5895.9	*5620.8*	4713.1	4240.8	4140.0	4052.9	4089.5	4144.6	4181.2
32.5°	8279.9	6381.9	*6148.1*	5272.4	4813.9	4639.7	4543.4	4534.3	4644.3	4616.8
35°	8798.0	6955.0	*6730.3*	5909.7	5396.2	5180.7	5052.3	5217.4	5144.0	5171.5
37.5°	9206.1	7551.0	*7372.2*	6519.4	6001.4	5707.9	5630.0	5831.7	5946.3	5978.4
40°	9540.7	8069.1	*7881.1*	7124.6	6556.1	6340.6	6464.4	6799.1	6785.3	6771.6
42.5°	9797.5	8513.8	*8307.5*	7583.1	7087.9	7129.2	7225.5	7450.1	7505.1	7427.2
45°	9912.1	8793.4	*8628.4*	7945.3	7693.1	7931.5	7972.8	8069.1	8032.4	7981.9
47.5°	10045.1	9041.0	*8866.8*	8275.4	8348.7	8582.5	8500.0	8422.1	8289.1	8211.2
50°	10269.7	9334.4	*9187.7*	8756.8	9022.7	8944.7	8623.8	8449.6	8179.1	8087.4
52.5°	10696.1	9889.2	*9779.1*	9517.8	9339.0	8889.7	8500.0	8188.3	7885.7	7761.9
55°	11076.6	10641.1	*10576.9*	10228.4	9242.7	8600.9	8078.2	7596.8	7078.8	6973.3
57.5°	11296.7	11888.1	*11961.5*	10531.0	8802.6	7945.3	7175.0	6404.8	5914.2	5827.1
60°	*10641.1*	*13236.0*	*13272.7*	*10471.4*	*8009.5*	*6762.4*	*5588.7*	*5043.2*	*4515.9*	*4364.6*
62.5°	9737.9	12956.3	*12924.2*	10113.8	6377.3	4933.1	4245.4	3988.7	3580.6	3456.9
65°	8371.6	10792.4	*10829.0*	8738.4	4240.8	3566.9	3566.9	3241.4	2787.5	2700.4
67.5°	6822.0	8321.2	*8238.7*	5666.7	2604.1	2856.3	2993.8	2526.2	1888.9	1783.4
70°	4433.4	6354.4	*6239.8*	3268.9	1636.7	2379.5	2356.5	1898.1	1352.5	1279.1
72.5°	1907.2	3672.3	*3906.2*	1668.8	1233.3	1916.4	1879.7	1329.6	903.2	871.1
75°	1150.8	1847.6	*2012.7*	1063.6	898.6	1444.2	1302.1	843.6	614.3	591.4
77.5°	729.0	1013.2	*1004.0*	797.7	673.9	976.5	875.7	582.3	417.2	398.9
80°	421.8	499.7	*518.1*	499.7	453.9	696.9	559.3	421.8	325.5	302.6
82.5°	270.5	311.8	*316.3*	243.0	252.2	449.3	302.6	247.6	188.0	169.6
85°	119.2	133.0	*128.4*	82.5	82.5	183.4	105.4	100.9	73.4	73.4
87.5°	4.6	9.2	*4.6*	4.6	4.6	18.3	9.2	13.8	13.8	13.8
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: SP1-2407-184-3

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

Report Generated By FNC07603 / LDUCLS01DT446
Version: v7.04

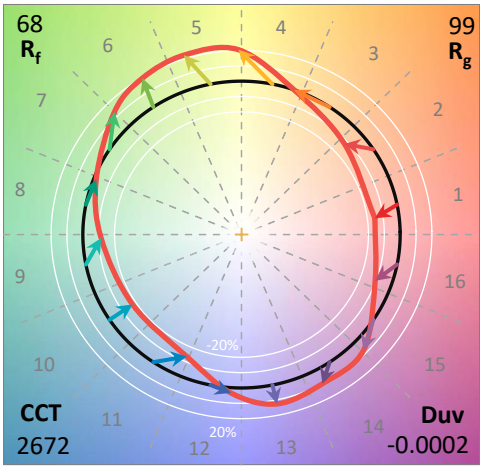
Test Information

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
R2:	79.8
R3:	91.2
R4:	69.4
R5:	66.5
R6:	72.6
R7:	77.0
R8:	44.1
R9:	-27.8
R10:	54.4
R11:	65.8
R12:	45.6
R13:	69.8
R14:	94.5
R15:	60.1



Test Conditions

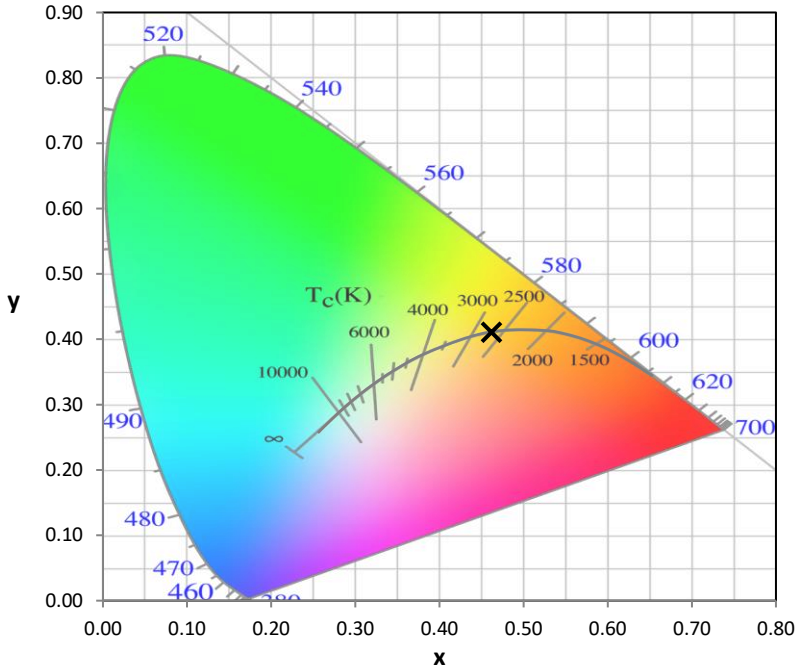
Stabilization Time:	21M
Operation Time:	1H 21M
Sphere Temperature (°C):	25.2

REPORT NUMBER: SP1-2407-184-3

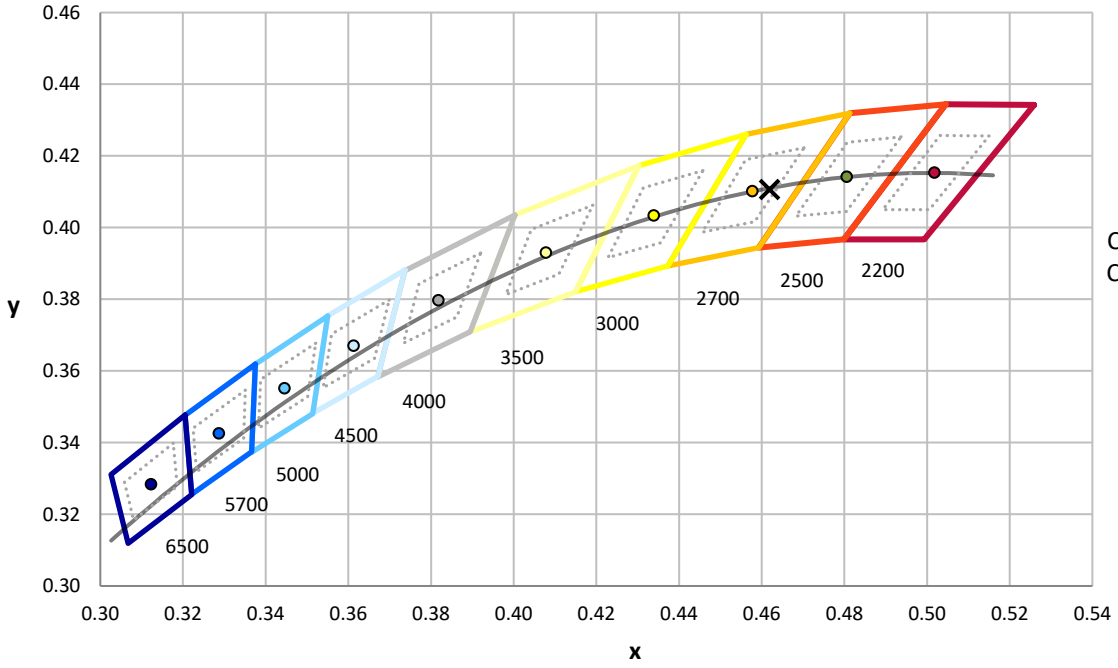
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

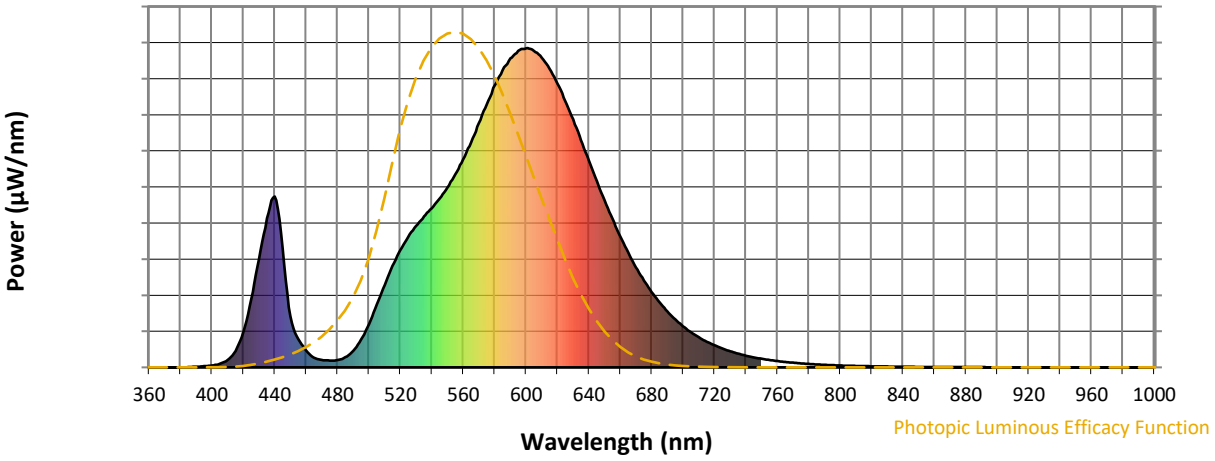


CCT = 2672K
CIE x = 0.4619
CIE y = 0.4106
Duv = -0.0002

Point lies inside the ANSI 2700K 4-step quadrangle

REPORT NUMBER: SP1-2407-184-3

Photopic Flux vs. Wavelength

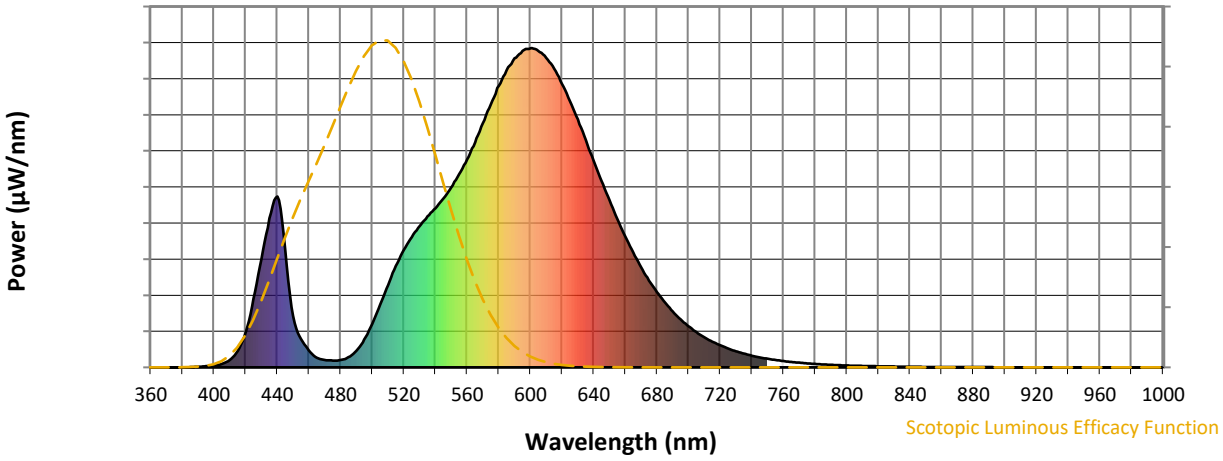


Photopic Lumens: NR

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

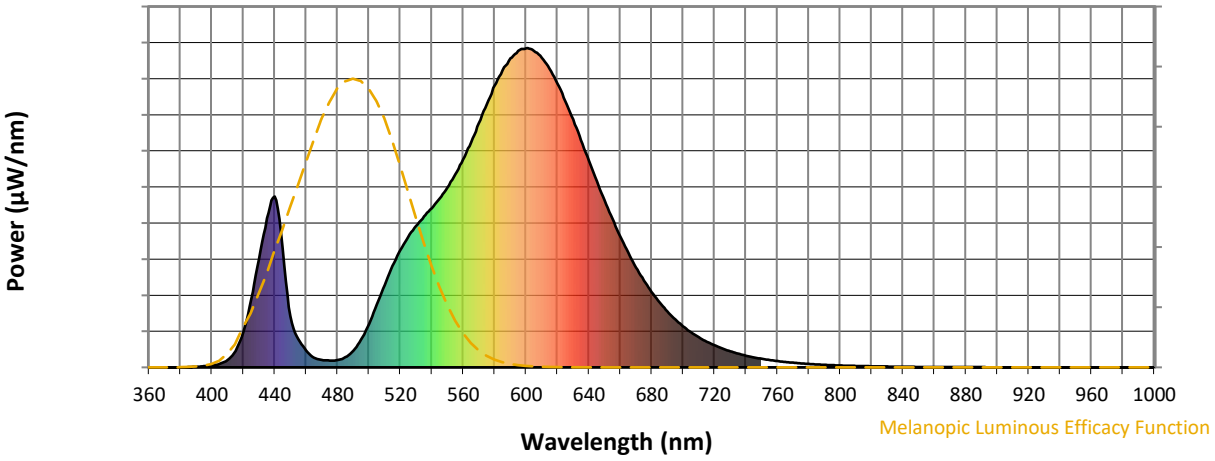


Scotopic Lumens: NR **S/P: 1.02**

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			

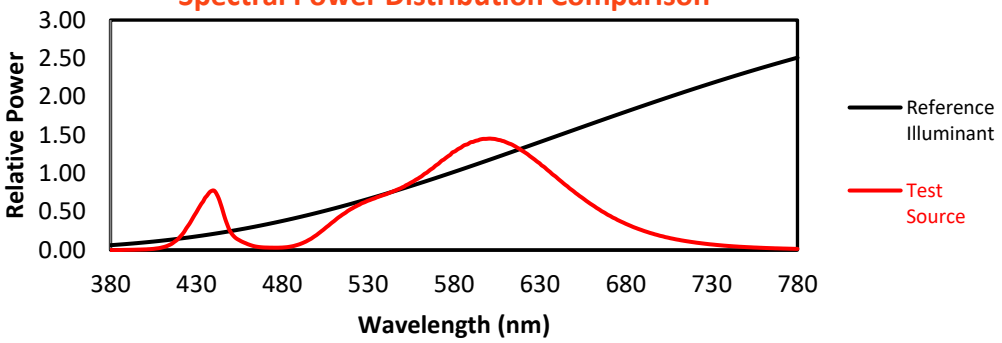
REPORT NUMBER: SP1-2407-184-3

TM-30-18

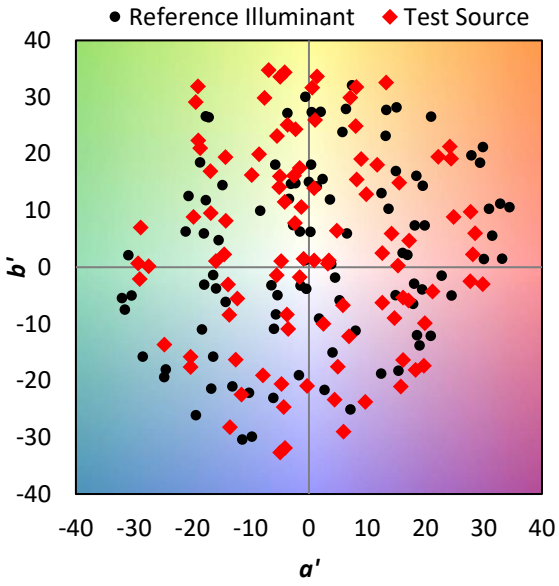
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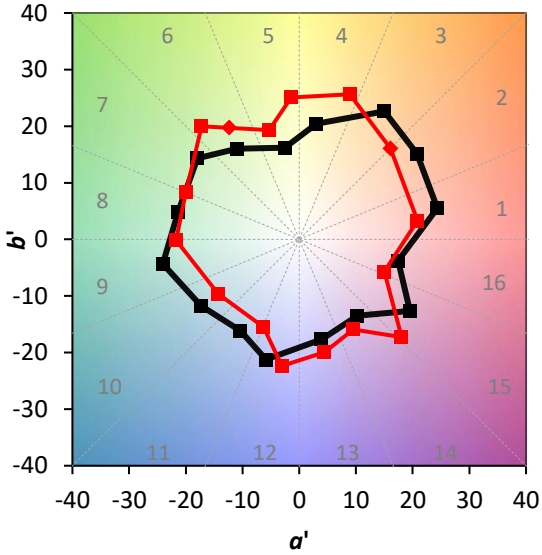
R_f = 67.9
R_g = 98.6
CIE R_a = 71.1
R_9 = -27.8

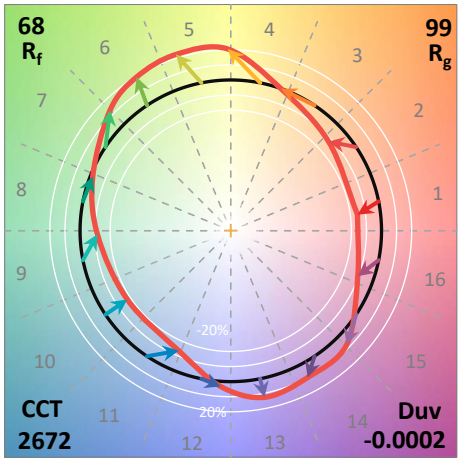
Spectral Power Distribution Comparison

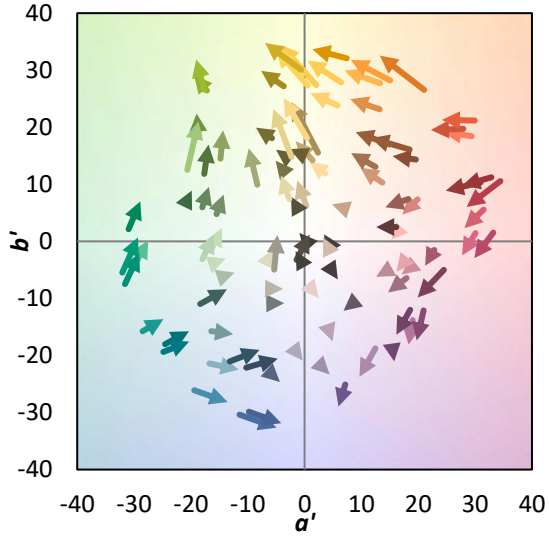


Color Vector Graphics







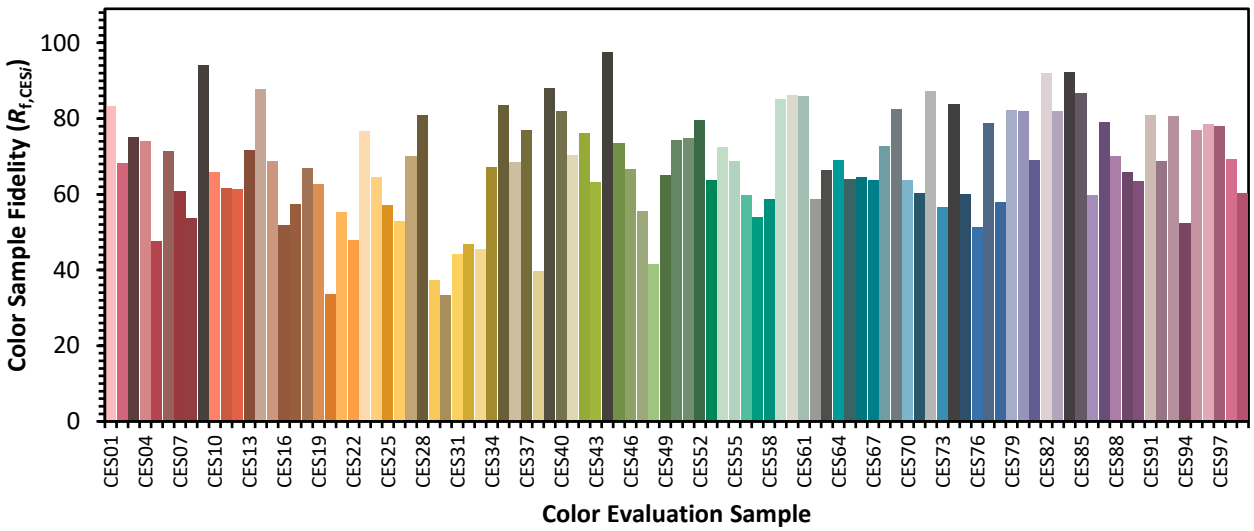


REPORT NUMBER: SP1-2407-184-3

TM-30-18

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

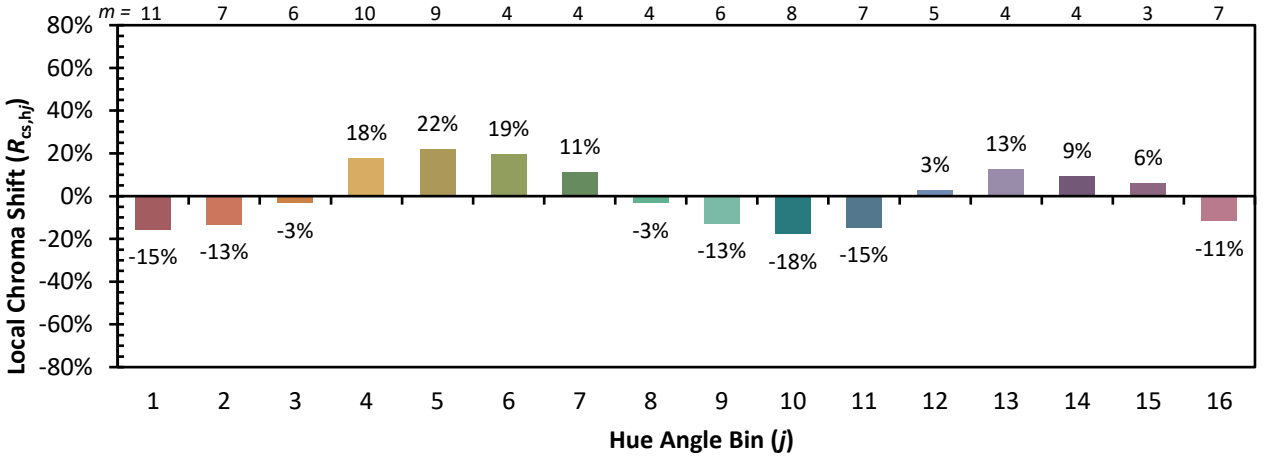
CES01 = 86	CES26 = 53	CES51 = 75	CES76 = 51
CES02 = 63	CES27 = 70	CES52 = 80	CES77 = 79
CES03 = 31	CES28 = 81	CES53 = 64	CES78 = 58
CES04 = 71	CES29 = 37	CES54 = 73	CES79 = 82
CES05 = 50	CES30 = 33	CES55 = 69	CES80 = 82
CES06 = 52	CES31 = 44	CES56 = 60	CES81 = 69
CES07 = 42	CES32 = 47	CES57 = 54	CES82 = 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	

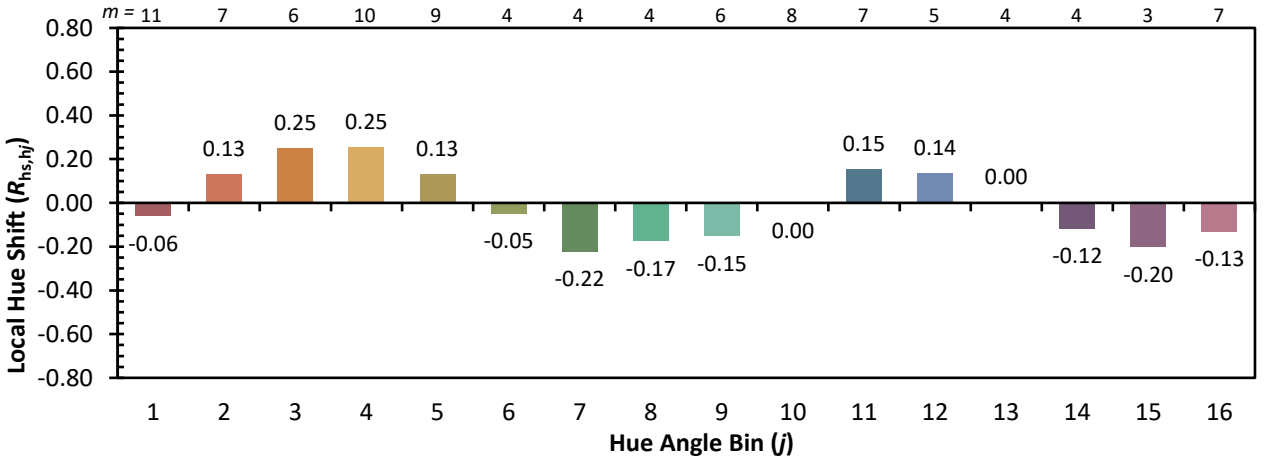


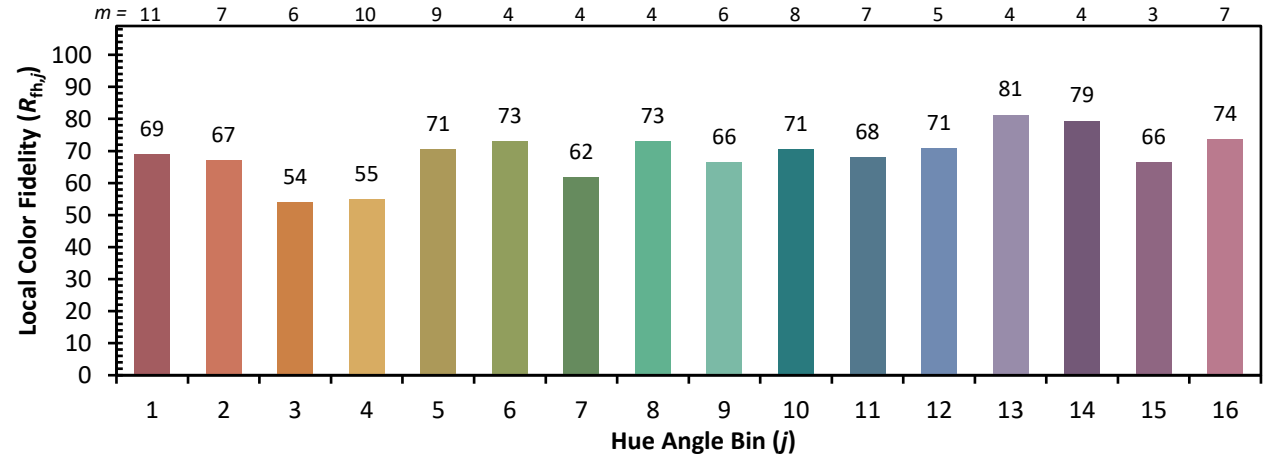
REPORT NUMBER: SP1-2407-184-3

TM-30-18

Color Rendition by Hue-Angle Bin



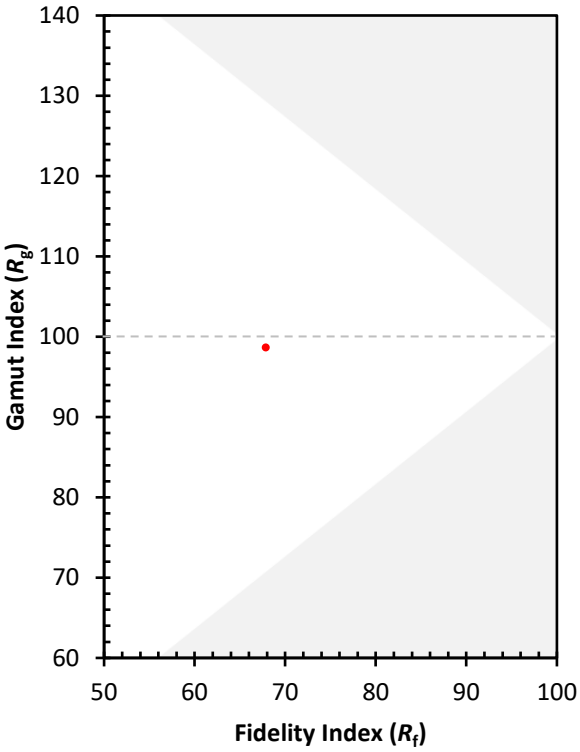


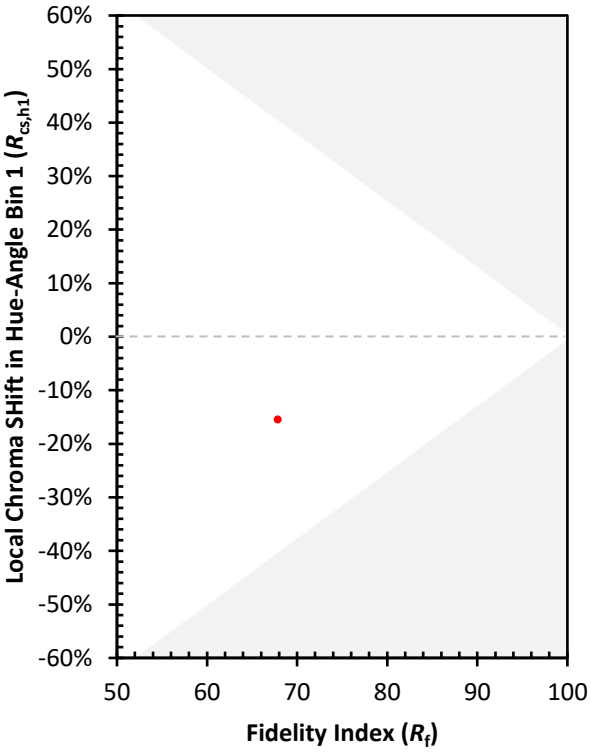


REPORT NUMBER: SP1-2407-184-3

TM-30-18

Measure Comparisons





(END OF REPORT)