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: P1501413

Luminaire Tested: GSS-SB5A-730-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:	P1501413
Test Lab:	INNOVATION CENTER(G1)
Issue Date:	7/20/2026
Manufacturer:	COOPER LIGHTING SOLUTIONS
Product Line:	McGRAW-EDISON
Catalog Number:	GSS-SB5A-730-U-T2LG
Description:	GALLEON II SLIM SITE HIGH DENSITY LED ARRAYS 5SQUARE 143W 70CRI 3000K FIXTURE w/ TYPE II LOW GLARE DISTRIBUTION FIXTURE
Light Source:	(130) 3000K CCT, 70 CRI LEDS
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	21677.2 lumens
Efficiency:	N/A
Efficacy:	151.6 lumens/watt
Luminous Opening:	Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification:	Type II - Short
BUG Rating:	B3 - U0 - G3

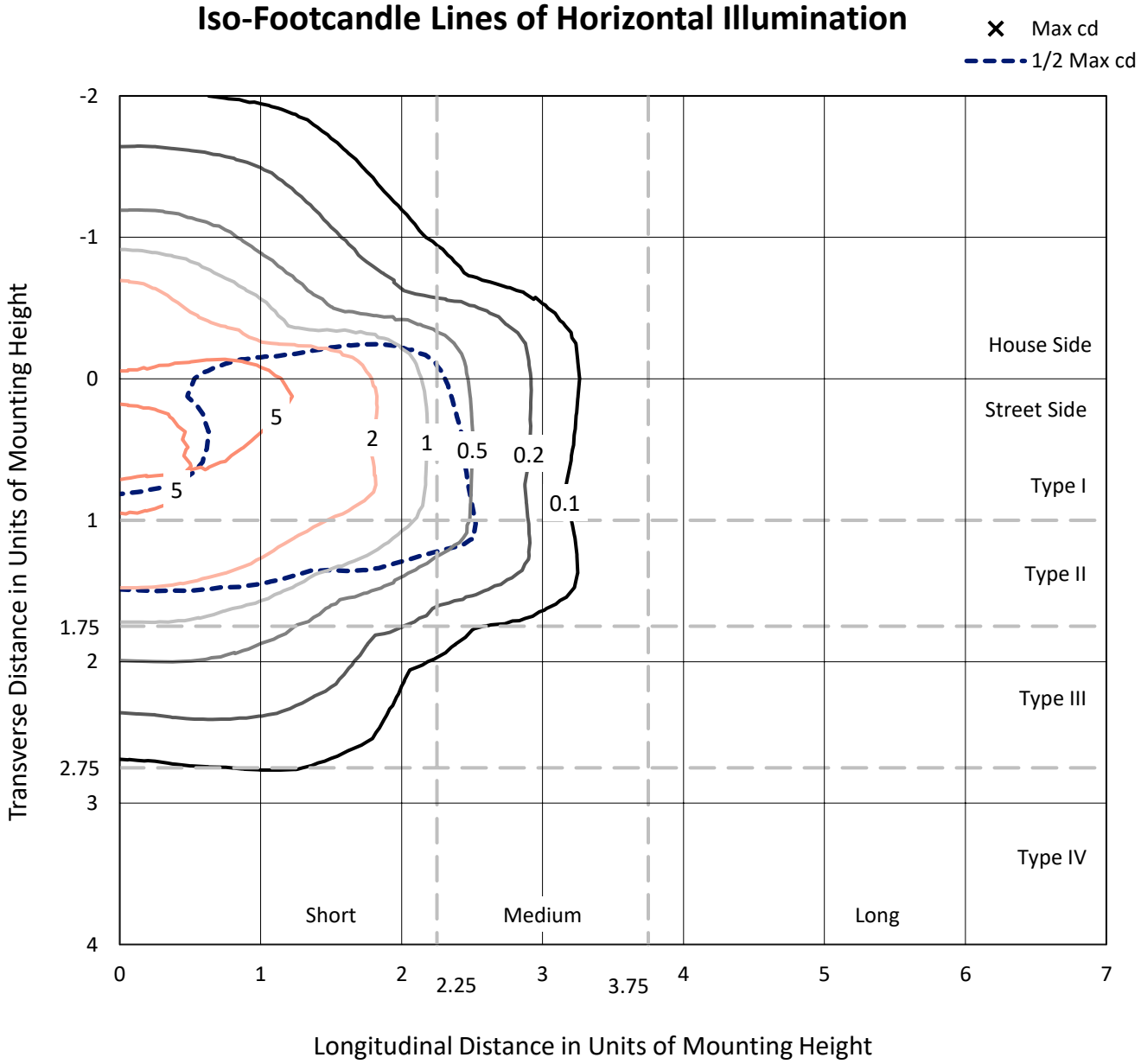
Input Watts (W):	143
Input Voltage (V):	120
Input Current (Ain):	NR
Voltage Rise (V):	NR
Power Factor:	0.98
Total Harmonic Distortion (THDi):	10.5%
Frequency (hertz):	60
Stabilization Time:	NR
Operation Time:	NR
Ambient Temperature (°C):	NR
Test Distance:	28.75 FT

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Iso-Footcandle Lines of Horizontal Illumination



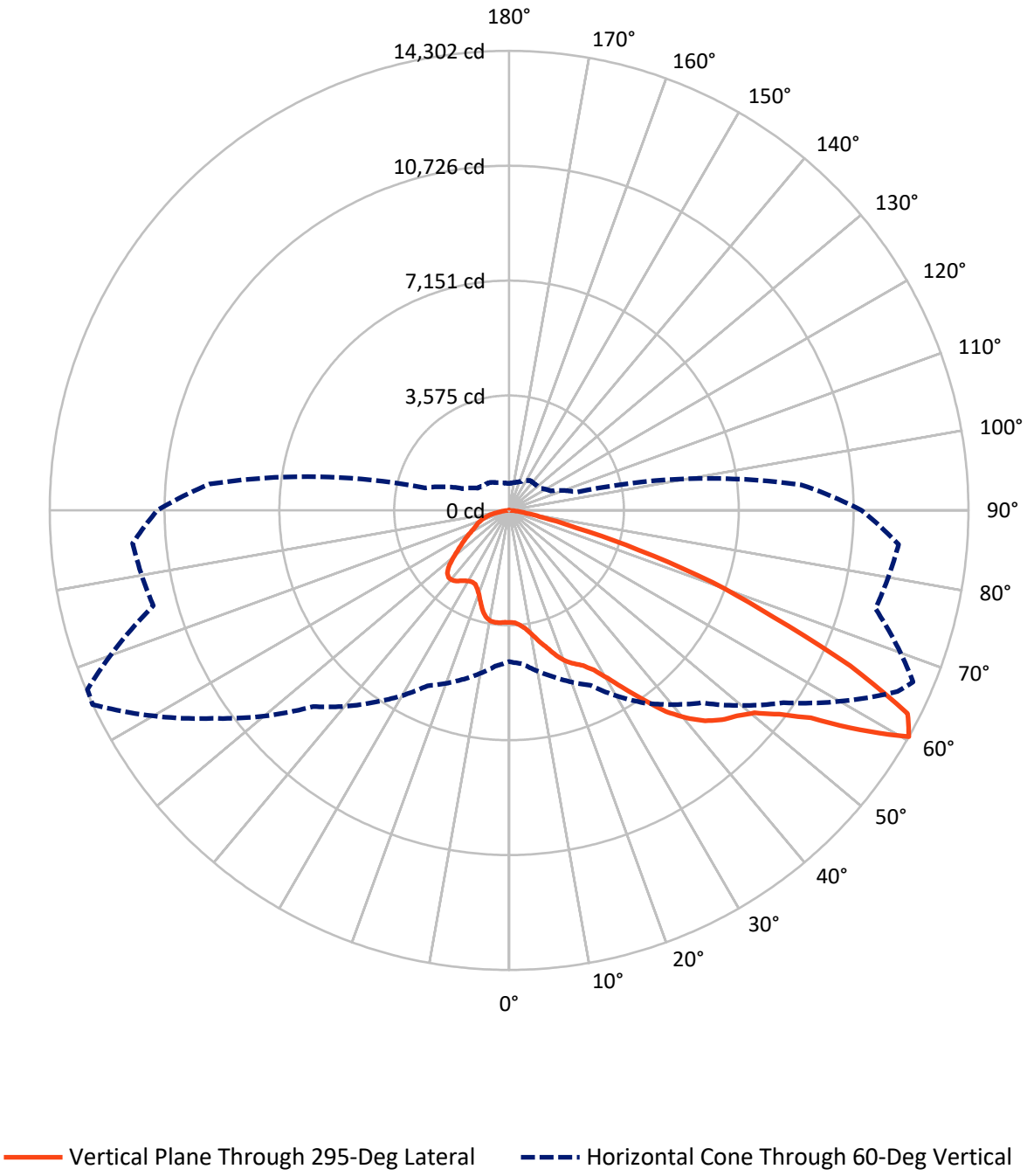
Based on 25 foot mounting height. Maximum calculated value = 8.4 fc
Type II - Short - N/A

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Luminous Intensity Polar Plot



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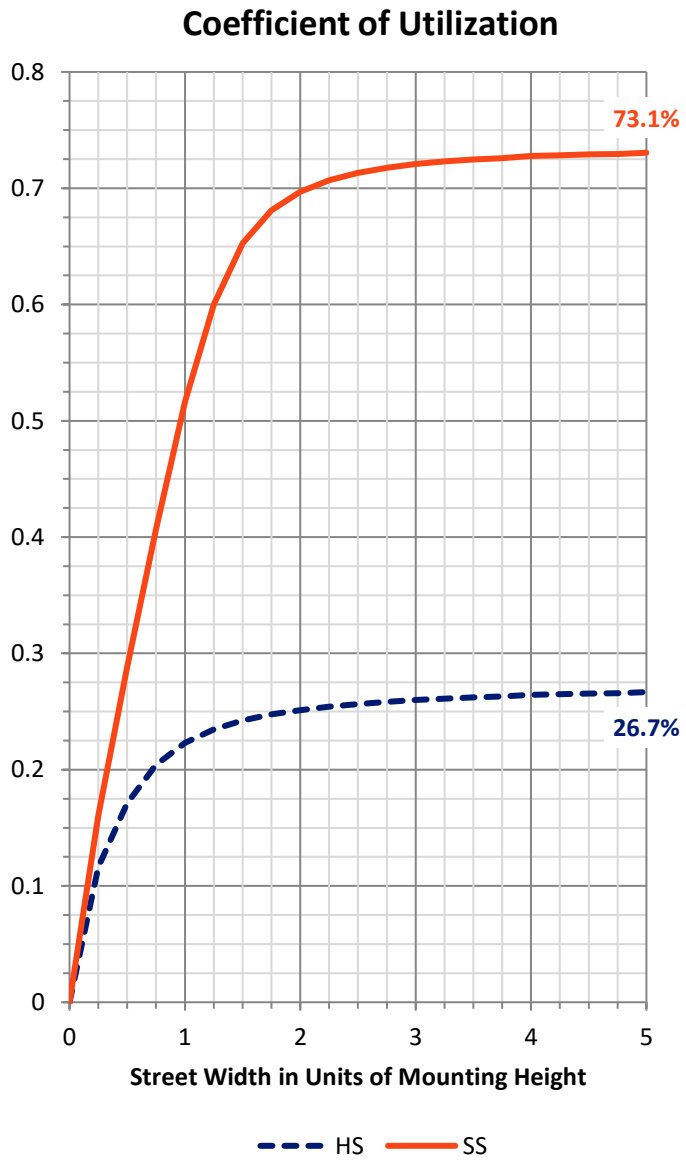
REPORT NUMBER: P1501413
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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	5829.3	0.0	5829.3
	% Fixture	26.9	0.0	26.9
Street Side	Lumens	15847.9	0.0	15847.9
	% Fixture	73.1	0.0	73.1
Total	Lumens	21677.2	0.0	21677.2
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	327.9	1.5
10°-20°	942.7	4.3
20°-30°	1785.6	8.2
30°-40°	3148.0	14.5
40°-50°	4655.5	21.5
50°-60°	5466.8	25.2
60°-70°	3961.0	18.3
70°-80°	1221.5	5.6
80°-90°	168.2	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°	21677.2	100.0
0°-180°	21677.2	100.0



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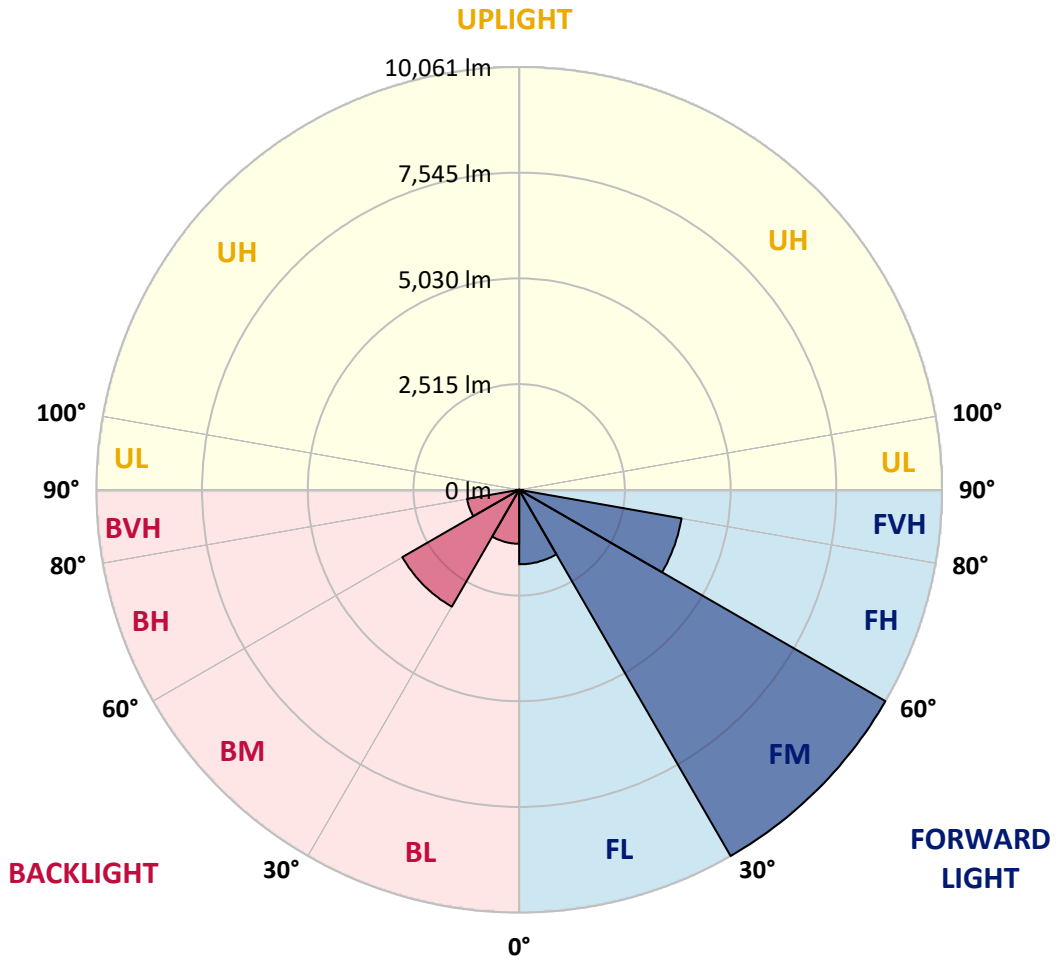
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	1772.5	8.2			
FM	(30°-60°)	10060.5	46.4			
FH	(60°-80°)	3924.2	18.1			G2/5000
FVH	(80°-90°)	90.7	0.4			G1/100
BL	(0°-30°)	1283.8	5.9	B3/2500		
BM	(30°-60°)	3209.8	14.8	B3/5000		
BH	(60°-80°)	1258.2	5.8	B3/2500		G3/2500
BVH	(80°-90°)	77.4	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°	3487.8	3487.8	3487.8	3487.8	3487.8	3487.8	3487.8	3487.8	3487.8	3487.8	3487.8
2.5°	3556.9	3566.8	3552.0	3561.9	3561.9	3547.0	3542.1	3522.3	3532.2	3527.3	3522.3
5°	3640.9	3645.8	3636.0	3650.8	3650.8	3655.7	3650.8	3626.1	3626.1	3626.1	3616.2
7.5°	3616.2	3616.2	3621.1	3670.5	3719.9	3784.2	3784.2	3774.3	3784.2	3779.2	3734.8
10°	3408.7	3428.5	3472.9	3596.4	3715.0	3853.3	3947.2	3976.8	3976.8	3981.8	3907.7
12.5°	3038.2	3053.0	3156.8	3344.5	3591.5	3843.5	4070.7	4218.9	4233.7	4258.4	4159.6
15°	2707.2	2717.1	2791.2	2983.9	3265.5	3710.1	4139.9	4446.2	4495.6	4599.3	4451.1
17.5°	2736.9	2731.9	2751.7	2825.8	3028.3	3492.7	4125.0	4712.9	4801.8	4984.6	4856.2
20°	2914.7	2914.7	2929.5	2944.3	3018.4	3334.6	4016.4	4930.3	5103.2	5458.9	5310.7
22.5°	3196.3	3196.3	3191.4	3216.1	3216.1	3403.8	4021.3	5093.3	5350.2	5987.5	5844.2
25°	3586.6	3566.8	3566.8	3576.7	3532.2	3665.6	4144.8	5261.3	5597.2	6614.9	6491.4
27.5°	4026.2	4041.1	4031.2	3996.6	3937.3	4041.1	4441.2	5523.1	5873.9	7276.9	7227.5
30°	4505.4	4510.4	4520.3	4500.5	4451.1	4525.2	4905.6	5918.3	6239.4	7968.5	8077.2
32.5°	4974.8	5043.9	5019.2	4969.8	4989.6	5123.0	5478.7	6451.9	6782.9	8610.7	8996.1
35°	5572.5	5597.2	5696.0	5513.2	5518.2	5745.4	6209.8	7153.4	7474.5	9277.6	9914.9
37.5°	6442.0	6486.4	6442.0	6155.5	6111.0	6427.2	6921.2	7845.0	8077.2	9781.5	10769.6
40°	7296.6	7351.0	7425.1	7089.1	6807.6	7069.4	7593.0	8373.6	8615.7	10058.2	11337.7
42.5°	8003.1	8092.0	8013.0	7914.2	7657.3	7706.7	8062.4	8783.6	9025.7	10408.9	11910.8
45°	8600.8	8615.7	8650.2	8581.1	8452.6	8408.2	8462.5	9144.3	9411.0	10567.0	12192.3
47.5°	8847.8	8912.1	8941.7	9060.3	9193.7	9104.7	8803.4	9312.2	9554.3	10557.1	12281.3
50°	8714.5	8778.7	8936.8	9218.4	9539.5	9697.6	9203.5	9544.4	9816.1	10735.0	12464.1
52.5°	8363.7	8432.9	8689.8	9010.9	9549.4	9910.0	9766.7	10028.5	10290.4	11051.2	12770.3
55°	7514.0	7617.7	7978.4	8511.9	9252.9	9796.4	10359.5	10739.9	11026.5	11431.6	13086.5
57.5°	6279.0	6387.6	6792.7	7593.0	8704.6	9327.0	10532.4	12073.8	12202.2	11886.1	13116.2
60°	*4703.0*	*4792.0*	*5365.0*	*6007.2*	*7311.5*	*8467.5*	*10433.6*	*13338.5*	*13664.5*	*11807.0*	*12172.6*
62.5°	3724.9	3833.6	4342.4	4638.8	5572.5	6995.3	10087.8	13689.2	13970.8	11154.9	10858.5
65°	2909.8	2983.9	3458.1	3883.0	4110.2	4777.1	8645.3	11975.0	12226.9	10092.8	8961.5
67.5°	1921.7	2035.4	2598.5	3181.5	3300.0	3038.2	5948.0	9213.4	9332.0	8022.8	6738.4
70°	1378.3	1432.6	1852.6	2475.0	2652.9	2035.4	3240.8	6975.5	7010.1	5384.8	4540.0
72.5°	938.6	948.5	1259.7	1897.0	2114.4	1477.1	1783.4	4594.4	4475.8	2657.8	2598.5
75°	637.3	647.2	805.2	1264.7	1496.9	1027.6	1160.9	2504.7	2405.9	1467.2	1575.9
77.5°	429.8	439.7	553.3	849.7	997.9	711.4	849.7	1324.0	1299.3	973.2	844.8
80°	326.1	340.9	410.0	543.4	696.6	415.0	484.1	627.4	637.3	518.7	429.8
82.5°	182.8	202.5	247.0	276.6	449.6	232.2	232.2	375.5	360.6	321.1	232.2
85°	79.0	84.0	98.8	103.7	182.8	98.8	84.0	163.0	168.0	158.1	74.1
87.5°	14.8	14.8	14.8	14.8	14.8	14.8	14.8	19.8	19.8	19.8	19.8
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°	3487.8	3487.8	3487.8	3487.8	3487.8	3487.8	3487.8	3487.8	3487.8	3487.8	3487.8
2.5°	3497.6	3527.3	3497.6	3482.8	3482.8	3458.1	3448.2	3448.2	3413.7	3428.5	3418.6
5°	3576.7	3586.6	3552.0	3507.5	3448.2	3398.8	3329.7	3240.8	3186.4	3181.5	3186.4
7.5°	3700.2	3705.1	3611.3	3512.5	3364.3	3186.4	2974.0	2801.1	2647.9	2623.2	2652.9
10°	3873.1	3863.2	3724.9	3492.7	3181.5	2806.0	2480.0	2321.9	2233.0	2228.0	2223.1
12.5°	4105.3	4041.1	3828.6	3408.7	2865.3	2430.6	2262.6	2252.7	2277.4	2297.2	2302.1
15°	4372.1	4288.1	3912.6	3245.7	2544.2	2292.2	2302.1	2386.1	2415.7	2435.5	2435.5
17.5°	4703.0	4594.4	4006.5	3013.5	2381.2	2321.9	2391.0	2470.1	2519.5	2539.2	2534.3
20°	5142.7	4915.5	4080.6	2791.2	2336.7	2371.3	2430.6	2509.6	2559.0	2583.7	2583.7
22.5°	5582.4	5300.8	4095.4	2638.1	2336.7	2376.2	2430.6	2509.6	2563.9	2588.6	2583.7
25°	6180.2	5794.8	4100.3	2529.4	2341.6	2351.5	2400.9	2470.1	2549.1	2573.8	2583.7
27.5°	6817.4	6338.2	4125.0	2504.7	2321.9	2316.9	2351.5	2415.7	2494.8	2559.0	2563.9
30°	7607.9	6950.8	4134.9	2529.4	2326.8	2262.6	2287.3	2351.5	2435.5	2499.7	2519.5
32.5°	8383.5	7518.9	4115.2	2583.7	2336.7	2228.0	2233.0	2272.5	2361.4	2405.9	2440.4
35°	9203.5	8121.6	4080.6	2657.8	2341.6	2213.2	2168.7	2188.5	2247.8	2252.7	2267.5
37.5°	9845.8	8571.2	3976.8	2756.6	2351.5	2158.9	2069.9	2055.1	2030.4	1981.0	1990.9
40°	10374.4	8872.5	3803.9	2806.0	2326.8	2094.6	1946.4	1877.3	1783.4	1709.3	1724.1
42.5°	10754.8	9075.1	3596.4	2815.9	2287.3	1985.9	1803.2	1684.6	1580.9	1501.8	1506.8
45°	10922.7	9055.3	3374.1	2741.8	2193.4	1852.6	1669.8	1556.2	1442.5	1358.5	1348.7
47.5°	10927.7	8862.7	3067.8	2563.9	2035.4	1699.4	1546.3	1422.8	1328.9	1269.6	1264.7
50°	10967.2	8754.0	2781.3	2307.1	1827.9	1536.4	1437.6	1314.1	1259.7	1175.8	1151.1
52.5°	11214.2	8931.8	2583.7	2025.5	1635.2	1417.8	1343.7	1235.0	1146.1	1091.8	1086.8
55°	11614.3	9238.1	2475.0	1813.0	1452.4	1304.2	1254.8	1160.9	1081.9	1027.6	1012.7
57.5°	11663.7	9396.2	2346.6	1615.4	1304.2	1215.3	1195.5	1091.8	978.2	938.6	923.8
60°	*10972.1*	*9129.4*	*2188.5*	*1432.6*	*1195.5*	*1146.1*	*1136.2*	*997.9*	*904.1*	*854.6*	*834.9*
62.5°	10028.5	8462.5	1946.4	1264.7	1111.5	1077.0	1037.4	928.8	810.2	755.8	741.0
65°	8195.7	7113.8	1655.0	1151.1	1027.6	988.0	978.2	829.9	750.9	721.3	716.3
67.5°	6209.8	5715.8	1457.4	1067.1	938.6	923.8	889.2	839.8	805.2	770.7	760.8
70°	4391.8	4125.0	1240.0	958.4	849.7	825.0	968.3	913.9	790.4	746.0	741.0
72.5°	2662.8	2588.6	1072.0	859.6	731.1	770.7	894.2	825.0	711.4	657.0	637.3
75°	1679.7	1536.4	899.1	731.1	582.9	627.4	780.5	736.1	612.6	558.2	543.4
77.5°	913.9	849.7	676.8	597.8	459.4	508.8	681.7	607.6	489.1	533.5	474.3
80°	400.2	444.6	449.6	345.8	306.3	375.5	489.1	474.3	375.5	380.4	316.2
82.5°	192.7	251.9	291.5	237.1	172.9	222.3	326.1	271.7	251.9	237.1	227.2
85°	59.3	93.9	128.4	113.6	79.0	93.9	153.1	148.2	177.8	153.1	143.3
87.5°	19.8	19.8	14.8	14.8	14.8	19.8	24.7	14.8	4.9	4.9	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°	3487.8	3487.8	3487.8	3487.8	3487.8	3487.8	3487.8	3487.8	3487.8	3487.8	3487.8
2.5°	3413.7	3418.6	3418.6	3423.5	3423.5	3438.4	3458.1	3477.9	3463.1	3482.8	3487.8
5°	3176.5	3201.2	3221.0	3295.1	3354.4	3403.8	3458.1	3507.5	3522.3	3532.2	3556.9
7.5°	2618.3	2687.5	2815.9	2983.9	3171.6	3354.4	3477.9	3606.3	3626.1	3650.8	3685.4
10°	2228.0	2257.7	2346.6	2519.5	2855.4	3216.1	3517.4	3719.9	3803.9	3853.3	3887.9
12.5°	2292.2	2272.5	2257.7	2282.4	2499.7	2964.1	3492.7	3883.0	4041.1	4095.4	4139.9
15°	2445.4	2425.6	2371.3	2302.1	2326.8	2697.3	3408.7	4036.1	4288.1	4377.0	4470.9
17.5°	2534.3	2514.5	2470.1	2396.0	2331.8	2475.0	3250.6	4174.4	4678.3	4787.0	4920.4
20°	2583.7	2563.9	2519.5	2445.4	2371.3	2391.0	3048.1	4347.4	5123.0	5295.9	5493.5
22.5°	2593.6	2568.9	2519.5	2445.4	2400.9	2386.1	2855.4	4451.1	5602.2	5868.9	6096.2
25°	2588.6	2544.2	2480.0	2425.6	2400.9	2396.0	2722.0	4510.4	6120.9	6545.7	6802.6
27.5°	2554.1	2499.7	2435.5	2396.0	2386.1	2415.7	2662.8	4579.5	6728.5	7271.9	7682.0
30°	2514.5	2435.5	2356.5	2341.6	2366.3	2460.2	2712.2	4604.2	7365.8	8062.4	8482.3
32.5°	2410.8	2351.5	2272.5	2267.5	2326.8	2494.8	2825.8	4569.7	7929.0	8852.8	9381.4
35°	2262.6	2228.0	2183.6	2198.4	2292.2	2524.4	2904.8	4461.0	8442.8	9588.9	10206.4
37.5°	2000.8	2025.5	2050.2	2084.8	2203.3	2519.5	2939.4	4288.1	8867.6	10176.8	10967.2
40°	1709.3	1793.3	1872.3	1961.2	2119.3	2480.0	2949.3	4075.6	9114.6	10621.4	11644.0
42.5°	1526.5	1605.6	1704.4	1832.8	2005.7	2391.0	2939.4	3838.5	9193.7	10927.7	12073.8
45°	1358.5	1452.4	1575.9	1709.3	1906.9	2262.6	2850.5	3581.6	9233.2	11070.9	12256.6
47.5°	1269.6	1324.0	1437.6	1571.0	1778.5	2104.5	2677.6	3393.9	9173.9	11100.6	12478.9
50°	1165.9	1240.0	1314.1	1442.5	1645.1	1906.9	2470.1	3285.2	9272.7	11392.0	12829.6
52.5°	1086.8	1126.4	1205.4	1324.0	1472.2	1724.1	2272.5	3196.3	9544.4	11688.4	13195.2
55°	1027.6	1072.0	1121.4	1220.2	1333.8	1541.3	2069.9	3062.9	9860.6	12004.6	13560.8
57.5°	933.7	963.3	1032.5	1136.2	1210.3	1363.5	1832.8	2904.8	9835.9	11757.6	12928.4
60°	*849.7*	*879.4*	*953.5*	*1057.2*	*1101.7*	*1205.4*	*1600.6*	*2702.3*	*9361.6*	*10952.4*	*11762.5*
62.5°	755.8	790.4	879.4	953.5	993.0	1072.0	1358.5	2331.8	8373.6	9742.0	10399.1
65°	716.3	736.1	795.4	884.3	879.4	953.5	1146.1	1832.8	6738.4	7444.8	8042.6
67.5°	760.8	790.4	780.5	805.2	790.4	829.9	1027.6	1472.2	5295.9	5607.1	5952.9
70°	750.9	820.1	854.6	805.2	691.6	736.1	889.2	1175.8	3789.1	3759.5	3744.7
72.5°	657.0	726.2	825.0	874.4	676.8	612.6	770.7	1017.7	2430.6	2420.7	2188.5
75°	558.2	607.6	726.2	790.4	582.9	494.0	662.0	864.5	1452.4	1472.2	1314.1
77.5°	513.8	489.1	607.6	696.6	474.3	380.4	533.5	652.1	800.3	810.2	750.9
80°	370.5	355.7	454.5	508.8	360.6	271.7	301.4	405.1	429.8	385.3	400.2
82.5°	237.1	242.1	271.7	326.1	222.3	148.2	207.5	271.7	232.2	187.7	222.3
85°	153.1	172.9	143.3	168.0	69.2	69.2	88.9	118.6	79.0	54.3	59.3
87.5°	0.0	0.0	9.9	19.8	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: P1501413
CATALOG NUMBER: GSS-SB5A-730-U-T2LG

CANDELA DISTRIBUTION (continued):

	285°	293°	295°	305°	315°	325°	335°	345°	355°	360°
0°	3487.8	3487.8	*3487.8*	3487.8	3487.8	3487.8	3487.8	3487.8	3487.8	3487.8
2.5°	3502.6	3497.6	*3497.6*	3507.5	3532.2	3542.1	3556.9	3552.0	3566.8	3556.9
5°	3571.7	3576.7	*3591.5*	3596.4	3611.3	3631.0	3636.0	3631.0	3640.9	3640.9
7.5°	3710.1	3729.8	*3719.9*	3744.7	3724.9	3700.2	3660.7	3631.0	3606.3	3616.2
10°	3942.3	3932.4	*3927.4*	3883.0	3794.1	3665.6	3561.9	3448.2	3428.5	3408.7
12.5°	4199.1	4189.3	*4189.3*	4036.1	3784.2	3517.4	3280.3	3102.4	3043.1	3038.2
15°	4559.8	4495.6	*4436.3*	4115.2	3611.3	3156.8	2880.1	2741.8	2707.2	2707.2
17.5°	5009.3	4841.4	*4742.6*	4055.9	3329.7	2919.6	2756.6	2722.0	2712.2	2736.9
20°	5567.6	5142.7	*4999.5*	3922.5	3225.9	2949.3	2870.2	2875.2	2880.1	2914.7
22.5°	6180.2	5419.4	*5182.2*	3922.5	3329.7	3137.0	3097.5	3151.8	3166.7	3196.3
25°	6861.9	5666.4	*5345.3*	4130.0	3636.0	3492.7	3443.3	3497.6	3537.2	3586.6
27.5°	7627.6	5923.3	*5626.9*	4505.4	4031.2	3942.3	3887.9	3912.6	3967.0	4026.2
30°	8314.3	6353.1	*6056.7*	5078.5	4569.7	4461.0	4367.1	4406.6	4465.9	4505.4
32.5°	8921.9	6876.7	*6624.8*	5681.2	5187.2	4999.5	4895.7	4885.8	5004.4	4974.8
35°	9480.2	7494.2	*7252.2*	6367.9	5814.6	5582.4	5444.1	5621.9	5542.9	5572.5
37.5°	9919.9	8136.5	*7943.8*	7024.9	6466.7	6150.5	6066.5	6283.9	6407.4	6442.0
40°	10280.5	8694.7	*8492.2*	7677.0	7064.4	6832.3	6965.6	7326.3	7311.5	7296.6
42.5°	10557.1	9173.9	*8951.6*	8171.0	7637.5	7682.0	7785.7	8027.8	8087.1	8003.1
45°	10680.7	9475.2	*9297.4*	8561.3	8289.6	8546.5	8591.0	8694.7	8655.2	8600.8
47.5°	10823.9	9742.0	*9554.3*	8917.0	8996.1	9248.0	9159.1	9075.1	8931.8	8847.8
50°	11066.0	10058.2	*9900.1*	9435.7	9722.3	9638.3	9292.5	9104.7	8813.3	8714.5
52.5°	11525.4	10656.0	*10537.4*	10255.8	10063.1	9579.0	9159.1	8823.1	8497.1	8363.7
55°	11935.5	11466.1	*11397.0*	11021.5	9959.4	9267.8	8704.6	8185.9	7627.6	7514.0
57.5°	12172.6	12809.9	*12888.9*	11347.6	9485.1	8561.3	7731.4	6901.4	6372.8	6279.0
60°	*11466.1*	*14262.3*	*14301.8*	*11283.4*	*8630.5*	*7286.8*	*6022.1*	*5434.2*	*4866.1*	*4703.0*
62.5°	10492.9	13960.9	*13926.3*	10898.0	6871.8	5315.6	4574.6	4297.9	3858.3	3724.9
65°	9020.8	11629.2	*11668.7*	9416.0	4569.7	3843.5	3843.5	3492.7	3003.6	2909.8
67.5°	7351.0	8966.4	*8877.5*	6106.1	2806.0	3077.7	3225.9	2722.0	2035.4	1921.7
70°	4777.1	6847.1	*6723.6*	3522.3	1763.6	2563.9	2539.2	2045.2	1457.4	1378.3
72.5°	2055.1	3957.1	*4209.0*	1798.2	1328.9	2065.0	2025.5	1432.6	973.2	938.6
75°	1240.0	1990.9	*2168.7*	1146.1	968.3	1556.2	1403.0	909.0	662.0	637.3
77.5°	785.5	1091.8	*1081.9*	859.6	726.2	1052.3	943.6	627.4	449.6	429.8
80°	454.5	538.5	*558.2*	538.5	489.1	750.9	602.7	454.5	350.8	326.1
82.5°	291.5	335.9	*340.9*	261.8	271.7	484.1	326.1	266.8	202.5	182.8
85°	128.4	143.3	*138.3*	88.9	88.9	197.6	113.6	108.7	79.0	79.0
87.5°	4.9	9.9	*4.9*	4.9	4.9	19.8	9.9	14.8	14.8	14.8
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: SP1-2407-184-4

Test Date: 10/10/2024

Luminaire Tested: GSS-SB1A-730-U-5WQ

Data in this report applies to families of products including GSS-SB1A-730-U-5WQ

Report Generated By FNC07603 / LDUCLS01DT446
Version: v7.04

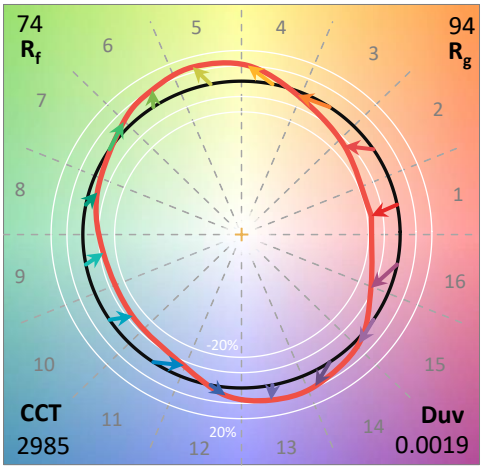
Test Information

Test Method:	LM-79-2019
Report Number:	SP1-2407-184-4
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-730-U-5WQ**
Description:	GALLEON II SITE SLIM 1SQ 350MA 5WQ HIGH DENSITY LIGHTSQUARE WITH 70 CRI 3000K CCT 26 LEDS

Spectral Parameters

CCT (K):	2985
CIE u':	0.2504
CIE v':	0.5243
Duv:	0.0019
CIE x:	0.4408
CIE y:	0.4101
CIE z:	0.1491
Peak Wavelength (nm):	595
Dominant Wavelength (nm):	582
Purity:	55.41818
Rf:	73.8
Rg:	94.4

CRI (Ra):	70.8
R1:	66.3
R2:	80.6
R3:	94.5
R4:	68.2
R5:	66.5
R6:	74.7
R7:	76.2
R8:	39.6
R9:	-43.2
R10:	57.6
R11:	64.8
R12:	53.5
R13:	68.7
R14:	97.0
R15:	56.4



Test Conditions

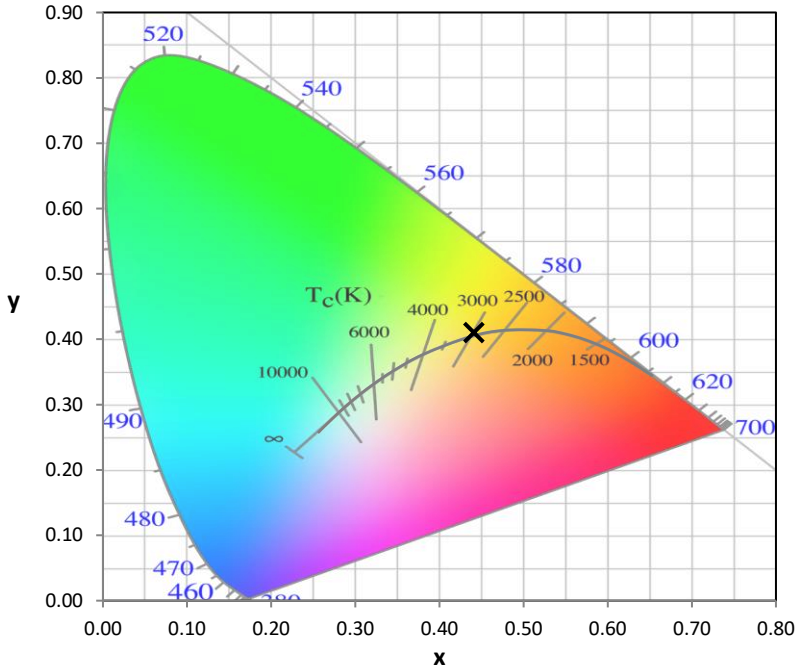
Stabilization Time:	36M
Operation Time:	1H 36M
Sphere Temperature (°C):	25.2

REPORT NUMBER: SP1-2407-184-4

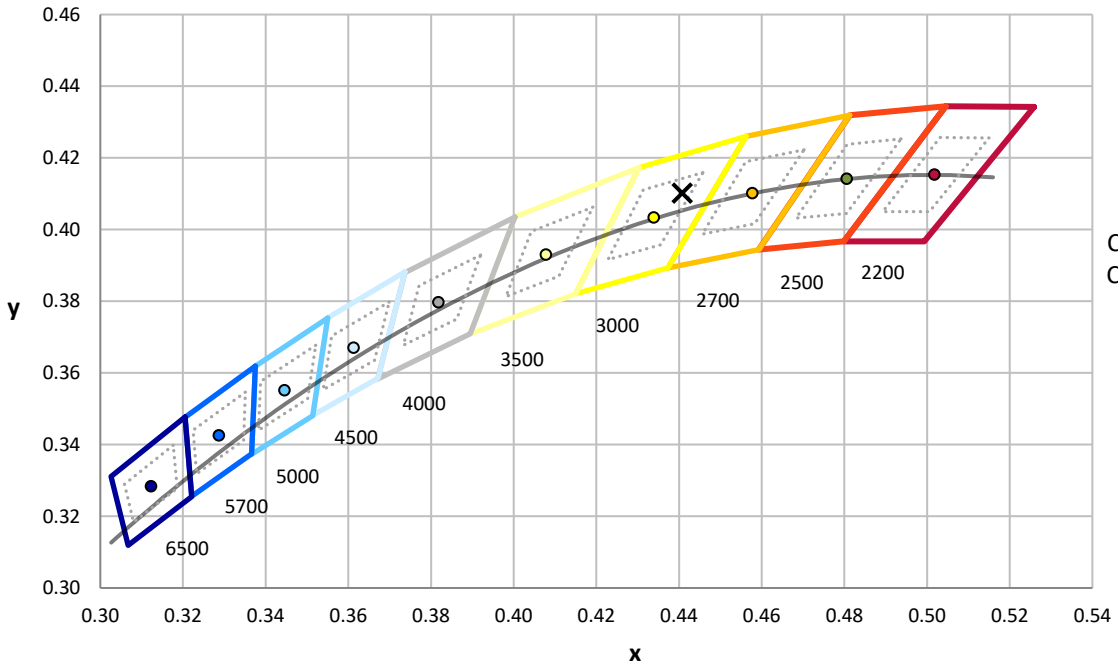
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

REPORT NUMBER: SP1-2407-184-4

CIE 1931 Chromaticity Diagram



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

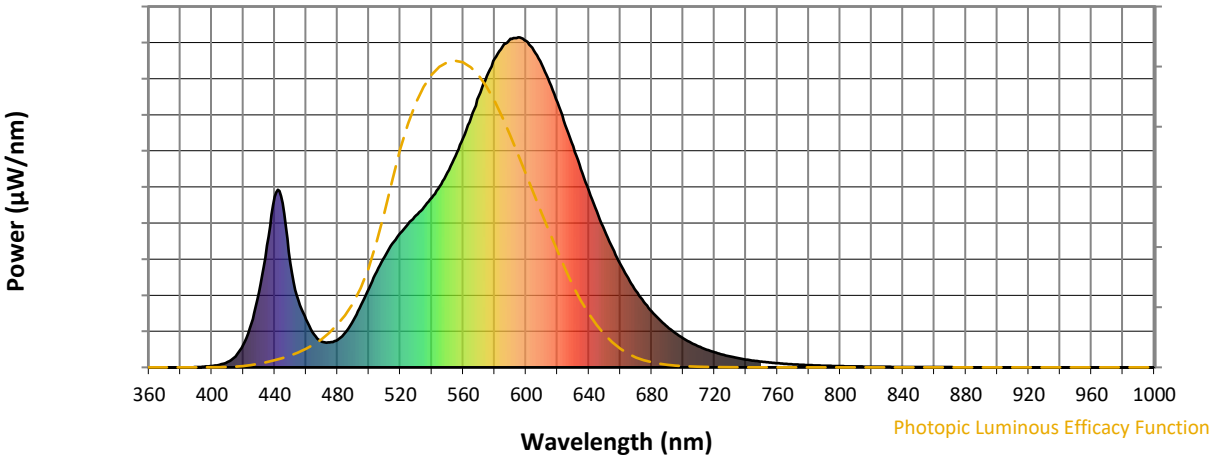


CCT = 2985K
CIE x = 0.4408
CIE y = 0.4101
Duv = 0.0019

Point lies inside the ANSI 3000K 4-step quadrangle

REPORT NUMBER: SP1-2407-184-4

Photopic Flux vs. Wavelength

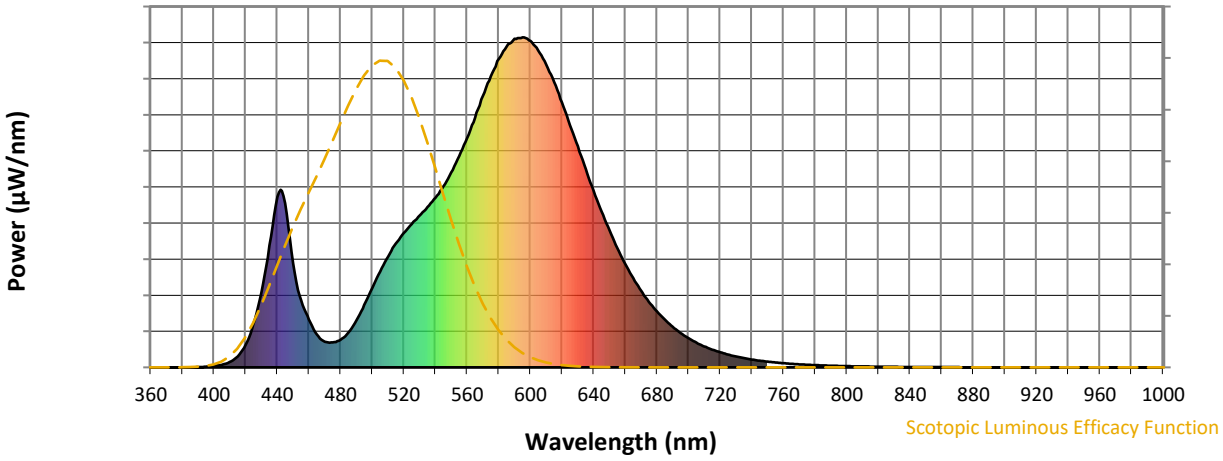


Photopic Lumens: NR

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	142	NR	620	803	NR	750	17	NR	880	0	NR
365	0	NR	495	189	NR	625	734	NR	755	15	NR	885	0	NR
370	0	NR	500	240	NR	630	670	NR	760	13	NR	890	0	NR
375	0	NR	505	290	NR	635	600	NR	765	11	NR	895	0	NR
380	0	NR	510	335	NR	640	535	NR	770	9	NR	900	0	NR
385	0	NR	515	375	NR	645	473	NR	775	8	NR	905	0	NR
390	1	NR	520	408	NR	650	415	NR	780	7	NR	910	0	NR
395	2	NR	525	434	NR	655	362	NR	785	6	NR	915	0	NR
400	4	NR	530	461	NR	660	313	NR	790	5	NR	920	0	NR
405	8	NR	535	486	NR	665	271	NR	795	4	NR	925	0	NR
410	16	NR	540	514	NR	670	231	NR	800	4	NR	930	0	NR
415	33	NR	545	549	NR	675	198	NR	805	3	NR	935	0	NR
420	69	NR	550	591	NR	680	169	NR	810	3	NR	940	0	NR
425	131	NR	555	640	NR	685	144	NR	815	2	NR	945	0	NR
430	227	NR	560	695	NR	690	123	NR	820	2	NR	950	0	NR
435	369	NR	565	757	NR	695	104	NR	825	2	NR	955	0	NR
440	517	NR	570	822	NR	700	88	NR	830	2	NR	960	0	NR
445	498	NR	575	882	NR	705	75	NR	835	1	NR	965	0	NR
450	315	NR	580	935	NR	710	63	NR	840	1	NR	970	0	NR
455	204	NR	585	972	NR	715	54	NR	845	1	NR	975	0	NR
460	145	NR	590	996	NR	720	46	NR	850	1	NR	980	0	NR
465	100	NR	595	1000	NR	725	39	NR	855	1	NR	985	0	NR
470	78	NR	600	989	NR	730	33	NR	860	1	NR	990	0	NR
475	76	NR	605	960	NR	735	28	NR	865	1	NR	995	0	NR
480	83	NR	610	918	NR	740	24	NR	870	1	NR	1000	0	NR
485	105	NR	615	864	NR	745	20	NR	875	1	NR			

REPORT NUMBER: SP1-2407-184-4

Scotopic Flux vs. Wavelength

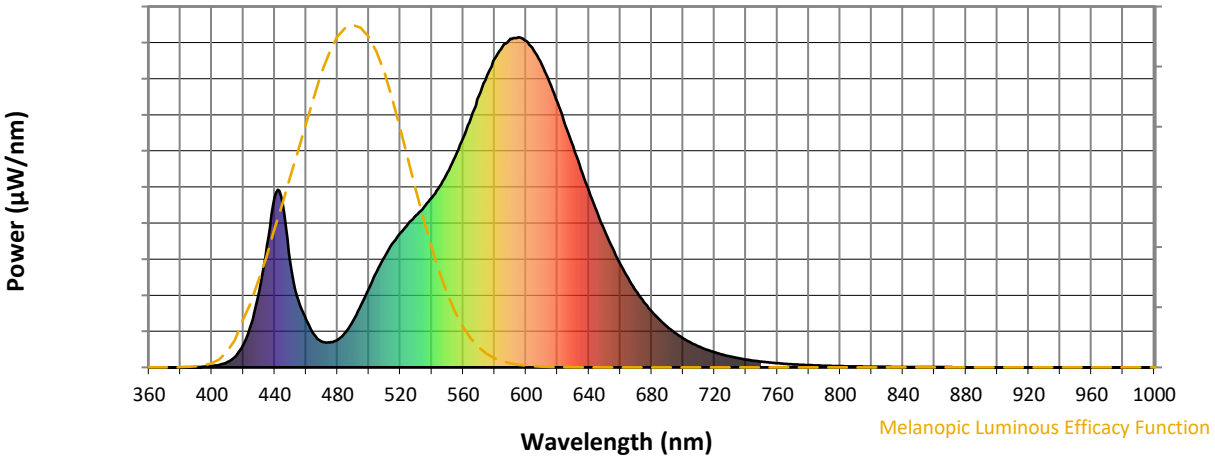


Scotopic Lumens: NR **S/P: 1.19**

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	142	NR	620	803	NR	750	17	NR	880	0	NR
365	0	NR	495	189	NR	625	734	NR	755	15	NR	885	0	NR
370	0	NR	500	240	NR	630	670	NR	760	13	NR	890	0	NR
375	0	NR	505	290	NR	635	600	NR	765	11	NR	895	0	NR
380	0	NR	510	335	NR	640	535	NR	770	9	NR	900	0	NR
385	0	NR	515	375	NR	645	473	NR	775	8	NR	905	0	NR
390	1	NR	520	408	NR	650	415	NR	780	7	NR	910	0	NR
395	2	NR	525	434	NR	655	362	NR	785	6	NR	915	0	NR
400	4	NR	530	461	NR	660	313	NR	790	5	NR	920	0	NR
405	8	NR	535	486	NR	665	271	NR	795	4	NR	925	0	NR
410	16	NR	540	514	NR	670	231	NR	800	4	NR	930	0	NR
415	33	NR	545	549	NR	675	198	NR	805	3	NR	935	0	NR
420	69	NR	550	591	NR	680	169	NR	810	3	NR	940	0	NR
425	131	NR	555	640	NR	685	144	NR	815	2	NR	945	0	NR
430	227	NR	560	695	NR	690	123	NR	820	2	NR	950	0	NR
435	369	NR	565	757	NR	695	104	NR	825	2	NR	955	0	NR
440	517	NR	570	822	NR	700	88	NR	830	2	NR	960	0	NR
445	498	NR	575	882	NR	705	75	NR	835	1	NR	965	0	NR
450	315	NR	580	935	NR	710	63	NR	840	1	NR	970	0	NR
455	204	NR	585	972	NR	715	54	NR	845	1	NR	975	0	NR
460	145	NR	590	996	NR	720	46	NR	850	1	NR	980	0	NR
465	100	NR	595	1000	NR	725	39	NR	855	1	NR	985	0	NR
470	78	NR	600	989	NR	730	33	NR	860	1	NR	990	0	NR
475	76	NR	605	960	NR	735	28	NR	865	1	NR	995	0	NR
480	83	NR	610	918	NR	740	24	NR	870	1	NR	1000	0	NR
485	105	NR	615	864	NR	745	20	NR	875	1	NR			

REPORT NUMBER: SP1-2407-184-4

Melanopic Flux vs. Wavelength



Melanopic Lumens: NR **M/P: 2.13**

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	142	NR	620	803	NR	750	17	NR	880	0	NR
365	0	NR	495	189	NR	625	734	NR	755	15	NR	885	0	NR
370	0	NR	500	240	NR	630	670	NR	760	13	NR	890	0	NR
375	0	NR	505	290	NR	635	600	NR	765	11	NR	895	0	NR
380	0	NR	510	335	NR	640	535	NR	770	9	NR	900	0	NR
385	0	NR	515	375	NR	645	473	NR	775	8	NR	905	0	NR
390	1	NR	520	408	NR	650	415	NR	780	7	NR	910	0	NR
395	2	NR	525	434	NR	655	362	NR	785	6	NR	915	0	NR
400	4	NR	530	461	NR	660	313	NR	790	5	NR	920	0	NR
405	8	NR	535	486	NR	665	271	NR	795	4	NR	925	0	NR
410	16	NR	540	514	NR	670	231	NR	800	4	NR	930	0	NR
415	33	NR	545	549	NR	675	198	NR	805	3	NR	935	0	NR
420	69	NR	550	591	NR	680	169	NR	810	3	NR	940	0	NR
425	131	NR	555	640	NR	685	144	NR	815	2	NR	945	0	NR
430	227	NR	560	695	NR	690	123	NR	820	2	NR	950	0	NR
435	369	NR	565	757	NR	695	104	NR	825	2	NR	955	0	NR
440	517	NR	570	822	NR	700	88	NR	830	2	NR	960	0	NR
445	498	NR	575	882	NR	705	75	NR	835	1	NR	965	0	NR
450	315	NR	580	935	NR	710	63	NR	840	1	NR	970	0	NR
455	204	NR	585	972	NR	715	54	NR	845	1	NR	975	0	NR
460	145	NR	590	996	NR	720	46	NR	850	1	NR	980	0	NR
465	100	NR	595	1000	NR	725	39	NR	855	1	NR	985	0	NR
470	78	NR	600	989	NR	730	33	NR	860	1	NR	990	0	NR
475	76	NR	605	960	NR	735	28	NR	865	1	NR	995	0	NR
480	83	NR	610	918	NR	740	24	NR	870	1	NR	1000	0	NR
485	105	NR	615	864	NR	745	20	NR	875	1	NR			

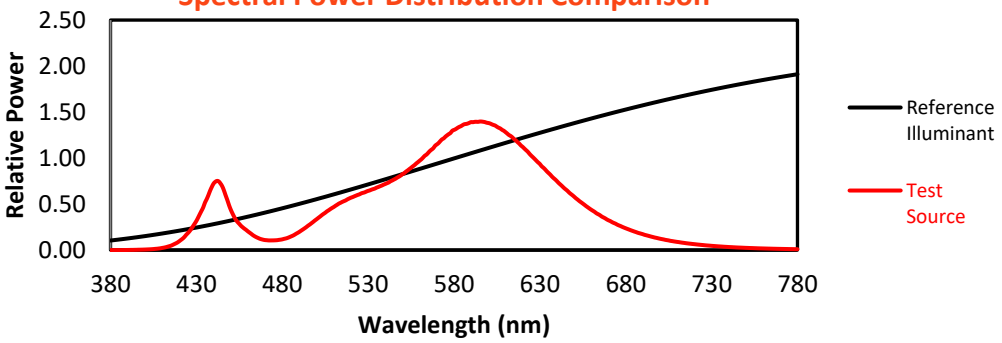
REPORT NUMBER: SP1-2407-184-4

TM-30-18

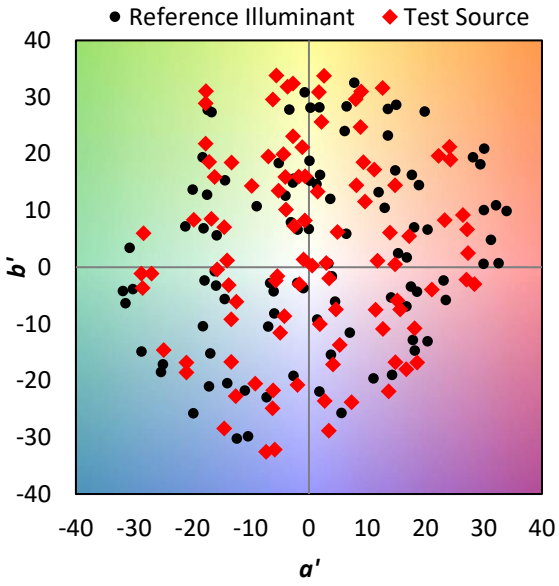
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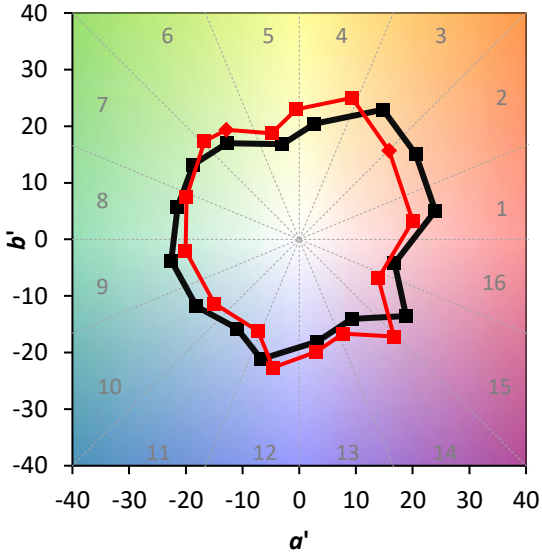
R_f = 73.8
R_g = 94.4
CIE R_a = 70.8
R_9 = -43.2

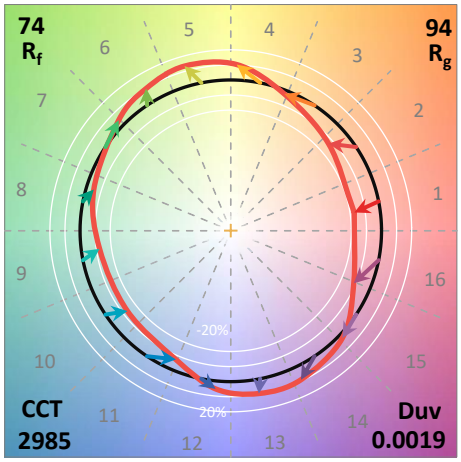
Spectral Power Distribution Comparison

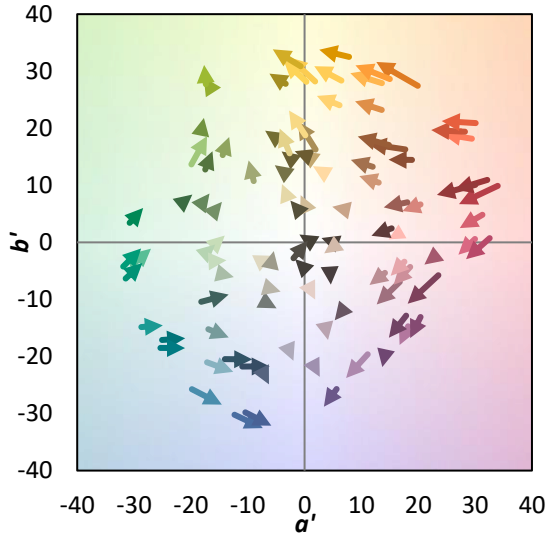


Color Vector Graphics







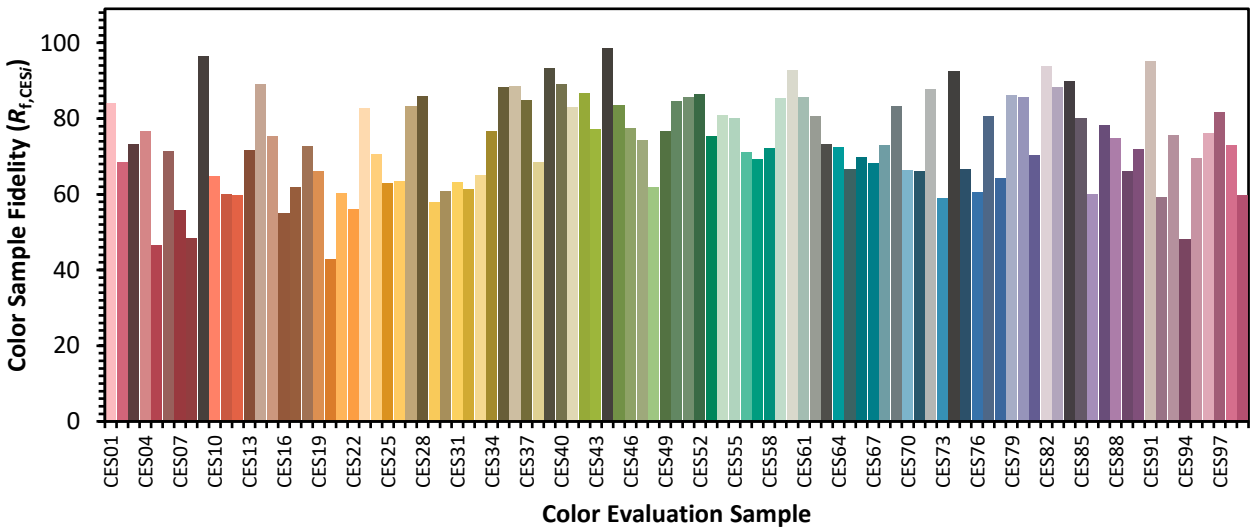


REPORT NUMBER: SP1-2407-184-4

TM-30-18

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

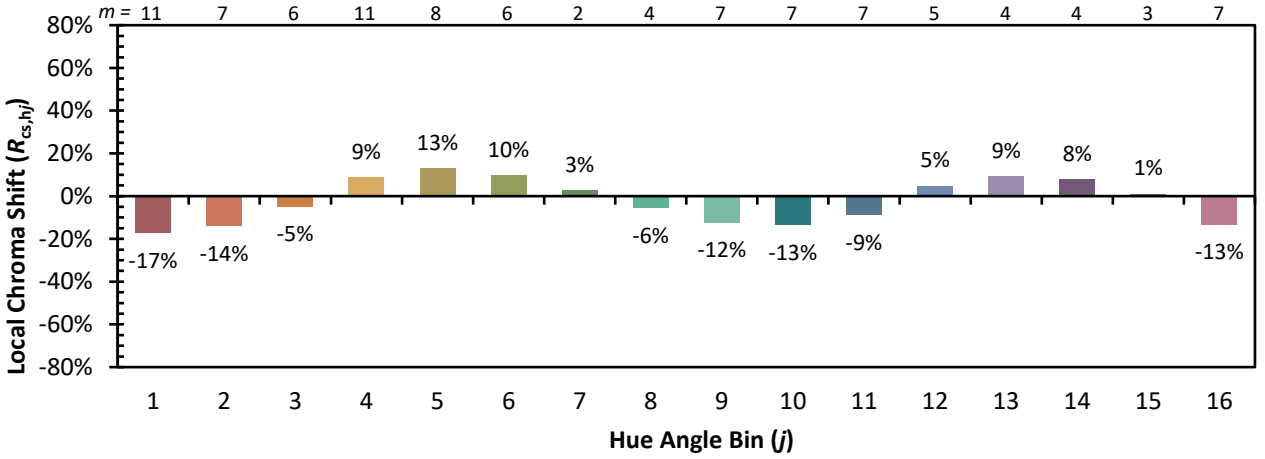
CES01 = 86	CES26 = 63	CES51 = 86	CES76 = 61
CES02 = 62	CES27 = 83	CES52 = 86	CES77 = 81
CES03 = 31	CES28 = 86	CES53 = 75	CES78 = 64
CES04 = 71	CES29 = 58	CES54 = 81	CES79 = 86
CES05 = 49	CES30 = 61	CES55 = 80	CES80 = 86
CES06 = 51	CES31 = 63	CES56 = 71	CES81 = 70
CES07 = 41	CES32 = 61	CES57 = 69	CES82 = 94
CES08 = 40	CES33 = 65	CES58 = 72	CES83 = 88
CES09 = 29	CES34 = 77	CES59 = 85	CES84 = 90
CES10 = 76	CES35 = 88	CES60 = 93	CES85 = 80
CES11 = 59	CES36 = 89	CES61 = 86	CES86 = 60
CES12 = 65	CES37 = 85	CES62 = 81	CES87 = 78
CES13 = 43	CES38 = 69	CES63 = 73	CES88 = 75
CES14 = 74	CES39 = 93	CES64 = 72	CES89 = 66
CES15 = 71	CES40 = 89	CES65 = 67	CES90 = 72
CES16 = 47	CES41 = 83	CES66 = 70	CES91 = 95
CES17 = 50	CES42 = 87	CES67 = 68	CES92 = 59
CES18 = 56	CES43 = 77	CES68 = 73	CES93 = 76
CES19 = 73	CES44 = 99	CES69 = 83	CES94 = 48
CES20 = 66	CES45 = 83	CES70 = 66	CES95 = 70
CES21 = 87	CES46 = 77	CES71 = 66	CES96 = 76
CES22 = 79	CES47 = 74	CES72 = 88	CES97 = 82
CES23 = 92	CES48 = 62	CES73 = 59	CES98 = 73
CES24 = 91	CES49 = 77	CES74 = 93	CES99 = 60
CES25 = 73	CES50 = 85	CES75 = 67	

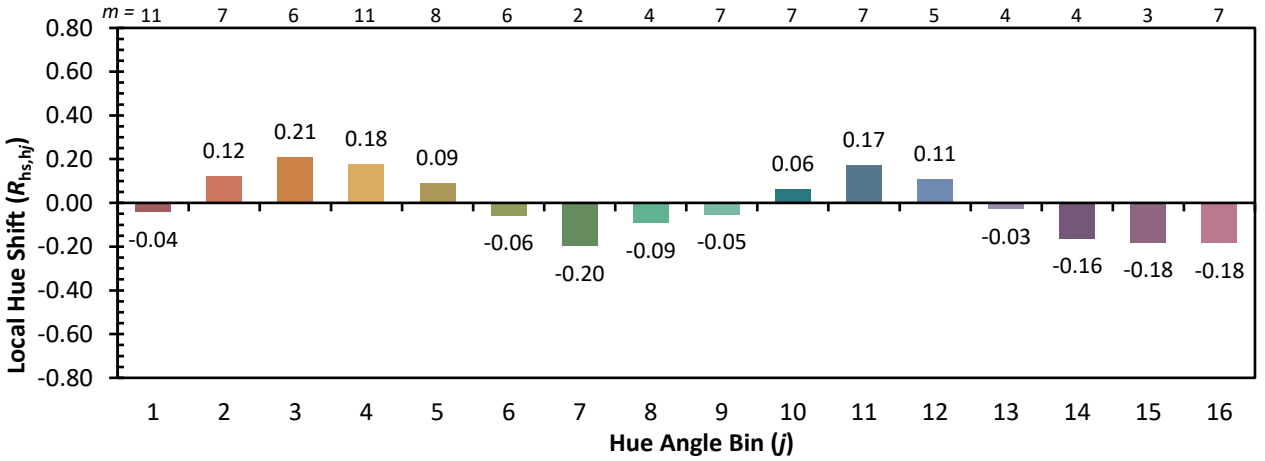


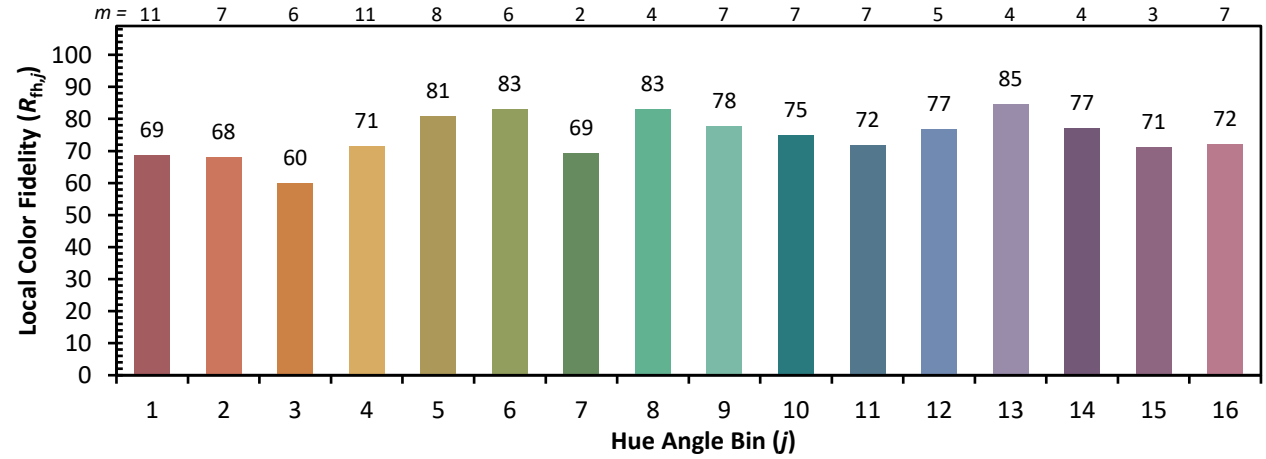
REPORT NUMBER: SP1-2407-184-4

TM-30-18

Color Rendition by Hue-Angle Bin



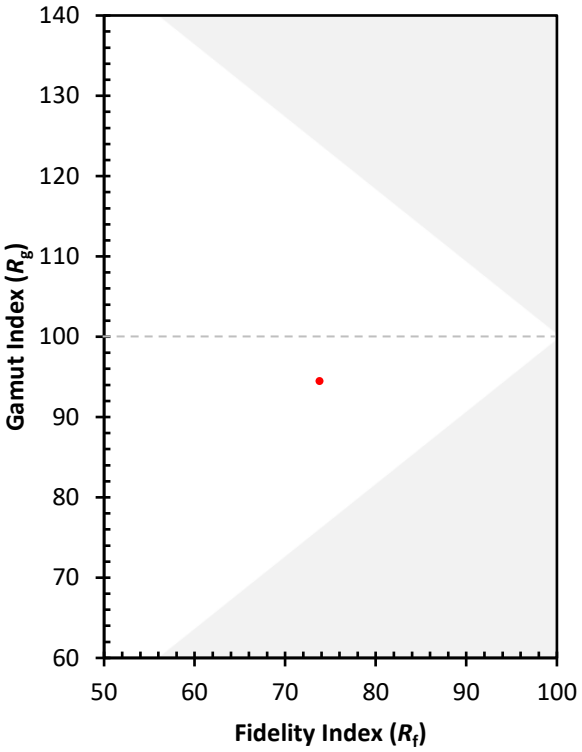


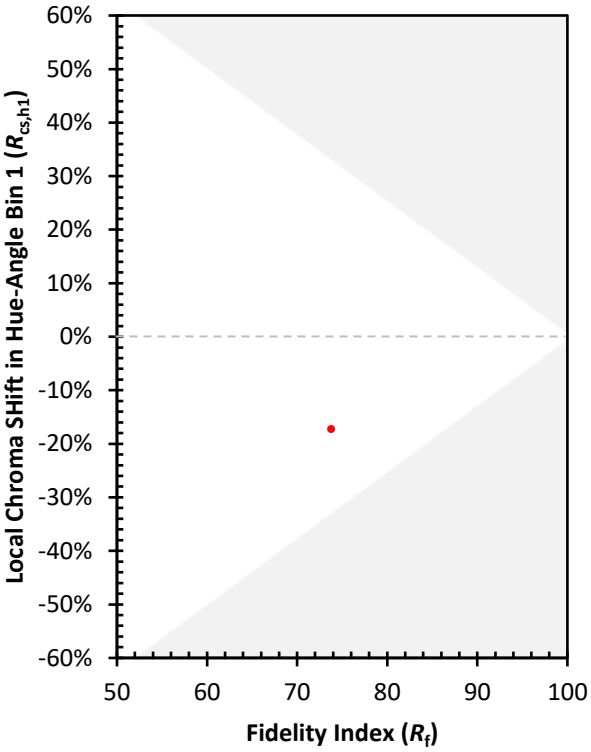


REPORT NUMBER: SP1-2407-184-4

TM-30-18

Measure Comparisons





(END OF REPORT)