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: P1501414

Luminaire Tested: GSS-SB5B-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:	P1501414
Test Lab:	INNOVATION CENTER(G1)
Issue Date:	7/20/2026
Manufacturer:	COOPER LIGHTING SOLUTIONS
Product Line:	McGRAW-EDISON
Catalog Number:	GSS-SB5B-730-U-T2LG
Description:	GALLEON II SLIM SITE HIGH DENSITY LED ARRAYS 5SQUARE 184W 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:	27310 lumens
Efficiency:	N/A
Efficacy:	148.4 lumens/watt
Luminous Opening:	Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification:	Type II - Short
BUG Rating:	B3 - U0 - G3

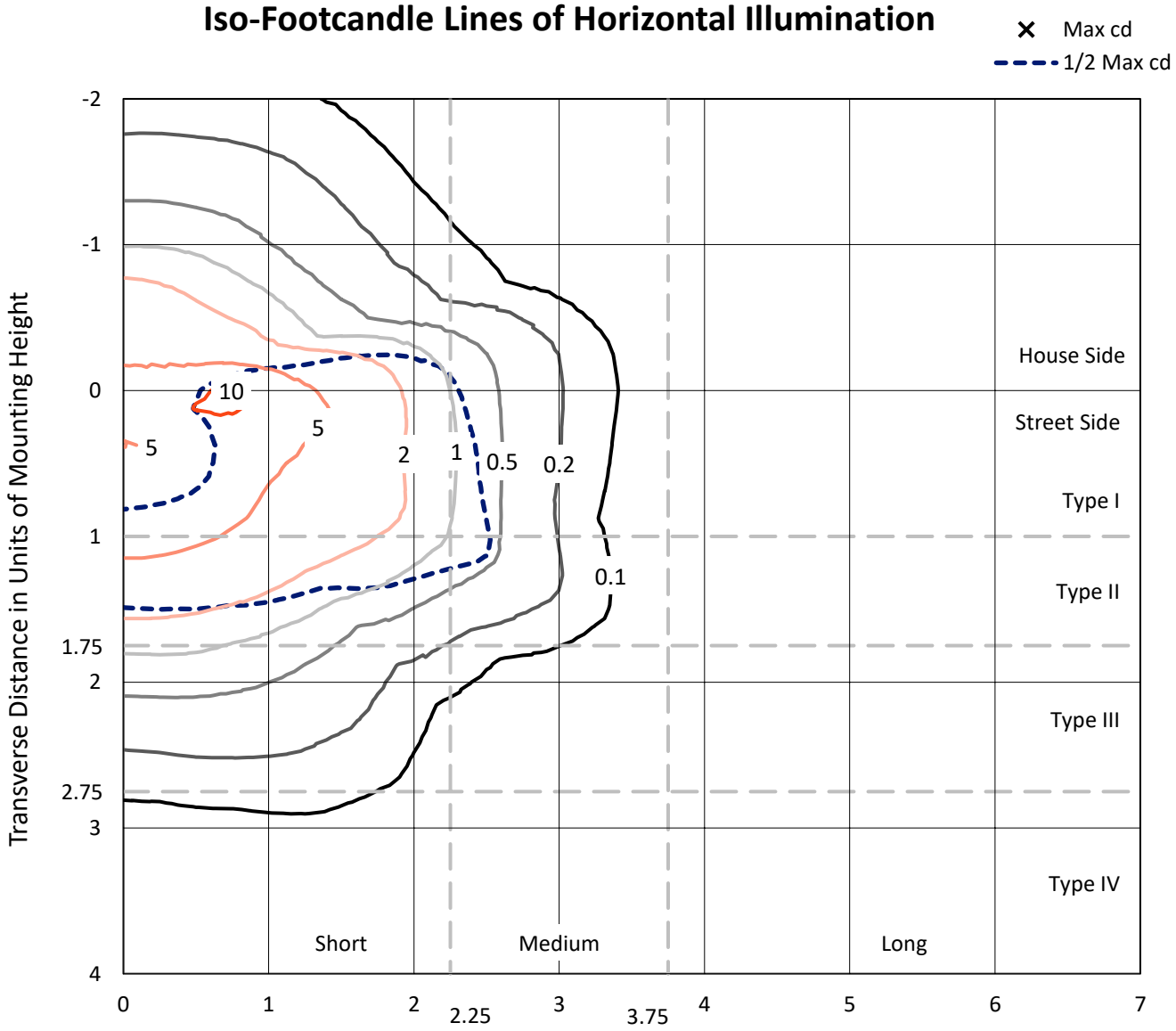
Input Watts (W):	184
Input Voltage (V):	120
Input Current (Ain):	NR
Voltage Rise (V):	NR
Power Factor:	0.98
Total Harmonic Distortion (THDi):	11.1%
Frequency (hertz):	60
Stabilization Time:	NR
Operation Time:	NR
Ambient Temperature (°C):	NR
Test Distance:	28.75 FT

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Iso-Footcandle Lines of Horizontal Illumination



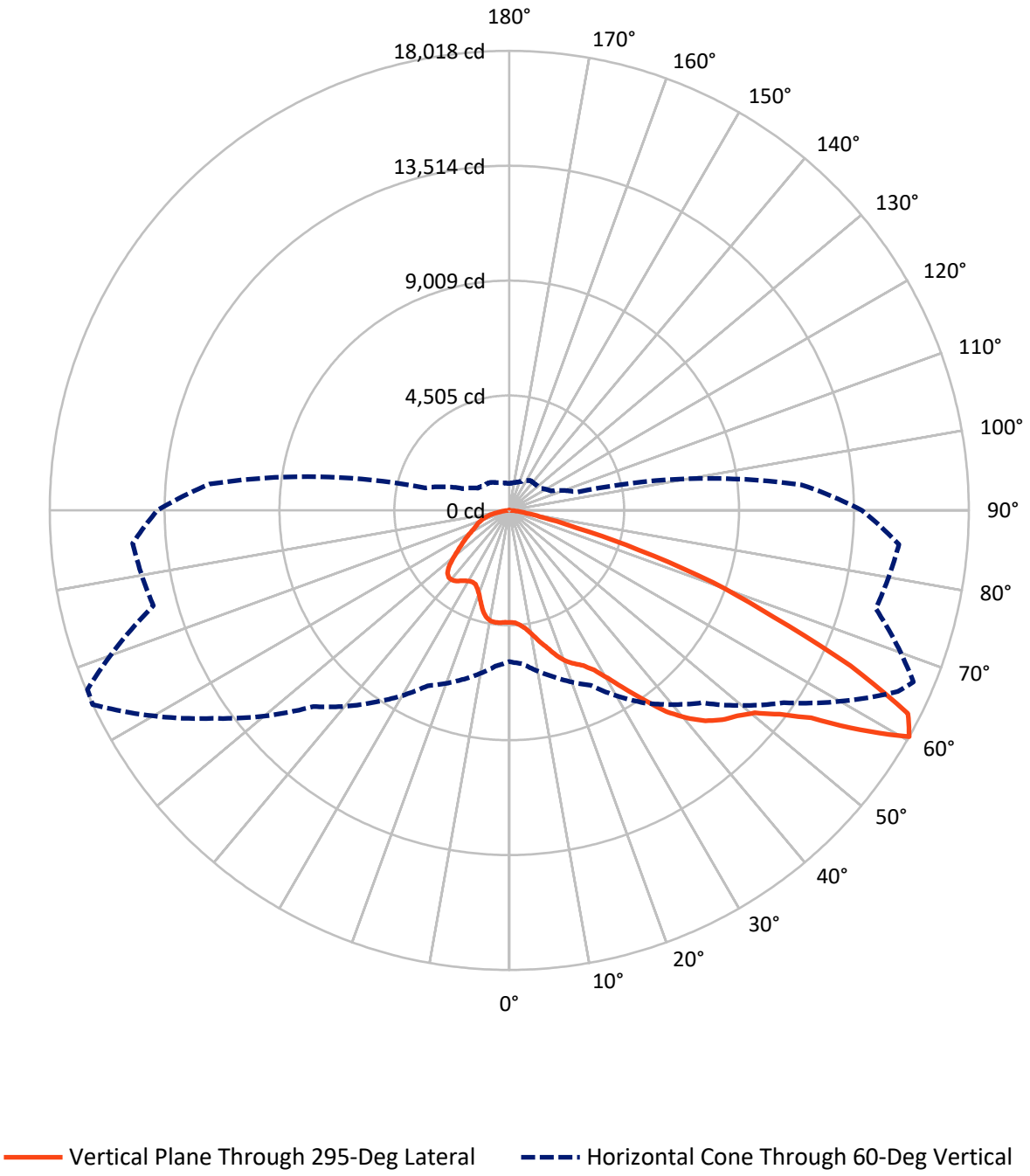
Based on 25 foot mounting height. Maximum calculated value = 10.6 fc
Type II - Short - N/A

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Luminous Intensity Polar Plot



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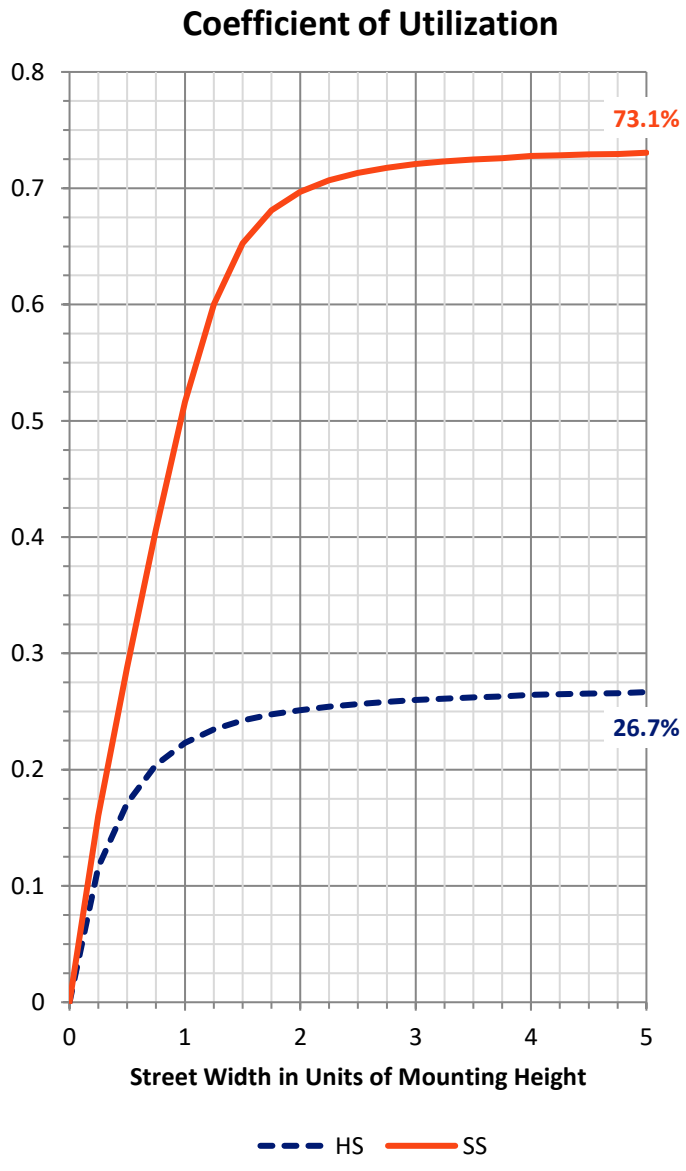
REPORT NUMBER: P1501414
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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	7344.0	0.0	7344.0
	% Fixture	26.9	0.0	26.9
Street Side	Lumens	19966.0	0.0	19966.0
	% Fixture	73.1	0.0	73.1
Total	Lumens	27310.0	0.0	27310.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	413.2	1.5
10°-20°	1187.7	4.3
20°-30°	2249.6	8.2
30°-40°	3966.0	14.5
40°-50°	5865.2	21.5
50°-60°	6887.4	25.2
60°-70°	4990.2	18.3
70°-80°	1538.9	5.6
80°-90°	211.9	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°	27310.0	100.0
0°-180°	27310.0	100.0



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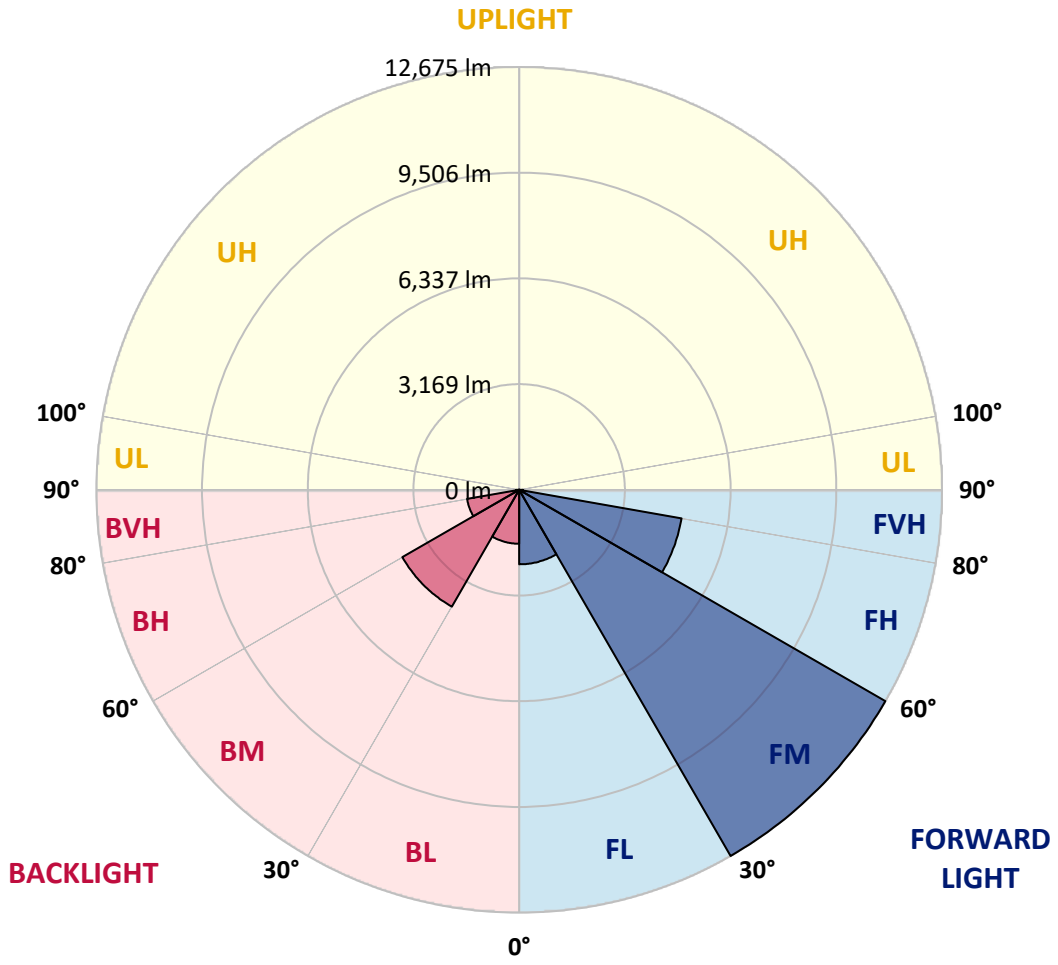
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	2233.0	8.2			
FM	(30°-60°)	12674.7	46.4			
FH	(60°-80°)	4943.9	18.1			G2/5000
FVH	(80°-90°)	114.3	0.4			G2/225
BL	(0°-30°)	1617.4	5.9	B3/2500		
BM	(30°-60°)	4043.8	14.8	B3/5000		
BH	(60°-80°)	1585.2	5.8	B3/2500		G3/2500
BVH	(80°-90°)	97.6	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°	4394.0	4394.0	4394.0	4394.0	4394.0	4394.0	4394.0	4394.0	4394.0	4394.0	4394.0
2.5°	4481.2	4493.6	4475.0	4487.4	4487.4	4468.7	4462.5	4437.6	4450.1	4443.8	4437.6
5°	4587.0	4593.2	4580.8	4599.4	4599.4	4605.7	4599.4	4568.3	4568.3	4568.3	4555.9
7.5°	4555.9	4555.9	4562.1	4624.3	4686.6	4767.5	4767.5	4755.0	4767.5	4761.3	4705.2
10°	4294.5	4319.4	4375.4	4531.0	4680.3	4854.6	4972.9	5010.2	5010.2	5016.4	4923.1
12.5°	3827.7	3846.3	3977.0	4213.6	4524.7	4842.2	5128.5	5315.2	5333.8	5365.0	5240.5
15°	3410.7	3423.1	3516.5	3759.2	4114.0	4674.1	5215.6	5601.5	5663.7	5794.4	5607.7
17.5°	3448.0	3441.8	3466.7	3560.0	3815.2	4400.3	5196.9	5937.6	6049.6	6279.9	6118.1
20°	3672.1	3672.1	3690.7	3709.4	3802.8	4201.1	5060.0	6211.4	6429.2	6877.4	6690.6
22.5°	4026.8	4026.8	4020.6	4051.7	4051.7	4288.2	5066.2	6416.8	6740.4	7543.3	7362.8
25°	4518.5	4493.6	4493.6	4506.1	4450.1	4618.1	5221.8	6628.4	7051.6	8333.7	8178.2
27.5°	5072.4	5091.1	5078.7	5035.1	4960.4	5091.1	5595.2	6958.3	7400.2	9167.7	9105.5
30°	5676.2	5682.4	5694.8	5669.9	5607.7	5701.1	6180.3	7456.2	7860.7	10039.1	10176.0
32.5°	6267.4	6354.6	6323.4	6261.2	6286.1	6454.1	6902.3	8128.4	8545.4	10848.2	11333.6
35°	7020.5	7051.6	7176.1	6945.8	6952.1	7238.3	7823.4	9012.1	9416.7	11688.4	12491.3
37.5°	8115.9	8171.9	8115.9	7754.9	7698.9	8097.2	8719.6	9883.5	10176.0	12323.2	13568.0
40°	9192.6	9261.1	9354.5	8931.2	8576.5	8906.3	9566.1	10549.4	10854.4	12671.8	14283.8
42.5°	10082.7	10194.7	10095.1	9970.6	9647.0	9709.2	10157.3	11066.0	11371.0	13113.7	15005.7
45°	10835.7	10854.4	10898.0	10810.8	10649.0	10593.0	10661.5	11520.4	11856.5	13312.8	15360.5
47.5°	11146.9	11227.8	11265.2	11414.6	11582.6	11470.6	11090.9	11732.0	12036.9	13300.4	15472.5
50°	10978.9	11059.8	11259.0	11613.7	12018.3	12217.4	11595.0	12024.5	12366.8	13524.4	15702.8
52.5°	10537.0	10624.1	10947.8	11352.3	12030.7	12485.1	12304.6	12634.4	12964.3	13922.8	16088.7
55°	9466.5	9597.2	10051.5	10723.7	11657.3	12341.9	13051.4	13530.7	13891.7	14402.0	16487.0
57.5°	7910.5	8047.4	8557.8	9566.1	10966.4	11750.6	13269.3	15211.1	15372.9	14974.6	16524.3
60°	*5925.1*	*6037.1*	*6759.1*	*7568.2*	*9211.3*	*10667.7*	*13144.8*	*16804.4*	*17215.2*	*14875.0*	*15335.6*
62.5°	4692.8	4829.7	5470.8	5844.2	7020.5	8813.0	12709.1	17246.3	17601.1	14053.5	13680.0
65°	3665.9	3759.2	4356.7	4892.0	5178.3	6018.5	10891.8	15086.6	15404.1	12715.3	11290.1
67.5°	2421.1	2564.2	3273.7	4008.2	4157.5	3827.7	7493.5	11607.5	11756.9	10107.5	8489.3
70°	1736.5	1804.9	2333.9	3118.2	3342.2	2564.2	4082.9	8788.1	8831.7	6784.0	5719.7
72.5°	1182.5	1195.0	1587.1	2390.0	2663.8	1860.9	2246.8	5788.2	5638.8	3348.4	3273.7
75°	802.9	815.3	1014.5	1593.3	1885.8	1294.6	1462.6	3155.5	3031.0	1848.5	1985.4
77.5°	541.5	553.9	697.1	1070.5	1257.2	896.2	1070.5	1668.0	1636.9	1226.1	1064.3
80°	410.8	429.4	516.6	684.6	877.6	522.8	609.9	790.4	802.9	653.5	541.5
82.5°	230.3	255.2	311.2	348.5	566.4	292.5	292.5	473.0	454.3	404.6	292.5
85°	99.6	105.8	124.5	130.7	230.3	124.5	105.8	205.4	211.6	199.2	93.4
87.5°	18.7	18.7	18.7	18.7	18.7	18.7	18.7	24.9	24.9	24.9	24.9
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°	4394.0	4394.0	4394.0	4394.0	4394.0	4394.0	4394.0	4394.0	4394.0	4394.0	4394.0
2.5°	4406.5	4443.8	4406.5	4387.8	4387.8	4356.7	4344.3	4344.3	4300.7	4319.4	4306.9
5°	4506.1	4518.5	4475.0	4418.9	4344.3	4282.0	4194.9	4082.9	4014.4	4008.2	4014.4
7.5°	4661.7	4667.9	4549.6	4425.2	4238.4	4014.4	3746.8	3528.9	3336.0	3304.9	3342.2
10°	4879.5	4867.1	4692.8	4400.3	4008.2	3535.2	3124.4	2925.2	2813.2	2807.0	2800.7
12.5°	5172.0	5091.1	4823.5	4294.5	3609.8	3062.1	2850.5	2838.1	2869.2	2894.1	2900.3
15°	5508.1	5402.3	4929.3	4089.1	3205.3	2887.9	2900.3	3006.1	3043.5	3068.4	3068.4
17.5°	5925.1	5788.2	5047.5	3796.6	2999.9	2925.2	3012.3	3111.9	3174.2	3199.1	3192.8
20°	6479.0	6192.7	5140.9	3516.5	2943.9	2987.5	3062.1	3161.7	3224.0	3255.1	3255.1
22.5°	7033.0	6678.2	5159.6	3323.5	2943.9	2993.7	3062.1	3161.7	3230.2	3261.3	3255.1
25°	7786.0	7300.6	5165.8	3186.6	2950.1	2962.6	3024.8	3111.9	3211.5	3242.6	3255.1
27.5°	8588.9	7985.2	5196.9	3155.5	2925.2	2919.0	2962.6	3043.5	3143.0	3224.0	3230.2
30°	9584.7	8757.0	5209.4	3186.6	2931.4	2850.5	2881.6	2962.6	3068.4	3149.3	3174.2
32.5°	10561.9	9472.7	5184.5	3255.1	2943.9	2807.0	2813.2	2863.0	2975.0	3031.0	3074.6
35°	11595.0	10232.0	5140.9	3348.4	2950.1	2788.3	2732.3	2757.2	2831.9	2838.1	2856.8
37.5°	12404.2	10798.4	5010.2	3472.9	2962.6	2719.8	2607.8	2589.1	2558.0	2495.8	2508.2
40°	13070.1	11178.1	4792.4	3535.2	2931.4	2638.9	2452.2	2365.1	2246.8	2153.5	2172.1
42.5°	13549.3	11433.2	4531.0	3547.6	2881.6	2502.0	2271.7	2122.3	1991.6	1892.1	1898.3
45°	13761.0	11408.3	4250.9	3454.2	2763.4	2333.9	2103.7	1960.5	1817.4	1711.6	1699.1
47.5°	13767.2	11165.6	3865.0	3230.2	2564.2	2141.0	1948.1	1792.5	1674.2	1599.5	1593.3
50°	13817.0	11028.7	3504.0	2906.5	2302.8	1935.6	1811.1	1655.5	1587.1	1481.3	1450.2
52.5°	14128.2	11252.7	3255.1	2551.8	2060.1	1786.2	1692.9	1556.0	1443.9	1375.5	1369.2
55°	14632.3	11638.6	3118.2	2284.2	1829.8	1643.1	1580.9	1462.6	1363.0	1294.6	1275.9
57.5°	14694.5	11837.8	2956.3	2035.2	1643.1	1531.1	1506.2	1375.5	1232.3	1182.5	1163.9
60°	*13823.2*	*11501.7*	*2757.2*	*1804.9*	*1506.2*	*1443.9*	*1431.5*	*1257.2*	*1139.0*	*1076.7*	*1051.8*
62.5°	12634.4	10661.5	2452.2	1593.3	1400.4	1356.8	1307.0	1170.1	1020.7	952.3	933.6
65°	10325.4	8962.4	2085.0	1450.2	1294.6	1244.8	1232.3	1045.6	946.0	908.7	902.5
67.5°	7823.4	7201.0	1836.0	1344.4	1182.5	1163.9	1120.3	1058.1	1014.5	970.9	958.5
70°	5533.0	5196.9	1562.2	1207.4	1070.5	1039.4	1219.9	1151.4	995.8	939.8	933.6
72.5°	3354.7	3261.3	1350.6	1083.0	921.1	970.9	1126.5	1039.4	896.2	827.8	802.9
75°	2116.1	1935.6	1132.7	921.1	734.4	790.4	983.4	927.4	771.8	703.3	684.6
77.5°	1151.4	1070.5	852.7	753.1	578.8	641.1	858.9	765.5	616.2	672.2	597.5
80°	504.1	560.1	566.4	435.7	385.9	473.0	616.2	597.5	473.0	479.2	398.3
82.5°	242.7	317.4	367.2	298.7	217.8	280.1	410.8	342.3	317.4	298.7	286.3
85°	74.7	118.3	161.8	143.1	99.6	118.3	192.9	186.7	224.1	192.9	180.5
87.5°	24.9	24.9	18.7	18.7	18.7	24.9	31.1	18.7	6.2	6.2	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°	4394.0	4394.0	4394.0	4394.0	4394.0	4394.0	4394.0	4394.0	4394.0	4394.0	4394.0
2.5°	4300.7	4306.9	4306.9	4313.1	4313.1	4331.8	4356.7	4381.6	4362.9	4387.8	4394.0
5°	4001.9	4033.1	4058.0	4151.3	4226.0	4288.2	4356.7	4418.9	4437.6	4450.1	4481.2
7.5°	3298.6	3385.8	3547.6	3759.2	3995.7	4226.0	4381.6	4543.4	4568.3	4599.4	4643.0
10°	2807.0	2844.3	2956.3	3174.2	3597.4	4051.7	4431.4	4686.6	4792.4	4854.6	4898.2
12.5°	2887.9	2863.0	2844.3	2875.4	3149.3	3734.3	4400.3	4892.0	5091.1	5159.6	5215.6
15°	3080.8	3055.9	2987.5	2900.3	2931.4	3398.2	4294.5	5084.9	5402.3	5514.3	5632.6
17.5°	3192.8	3167.9	3111.9	3018.6	2937.7	3118.2	4095.3	5259.2	5894.0	6030.9	6199.0
20°	3255.1	3230.2	3174.2	3080.8	2987.5	3012.3	3840.1	5477.0	6454.1	6672.0	6920.9
22.5°	3267.5	3236.4	3174.2	3080.8	3024.8	3006.1	3597.4	5607.7	7057.9	7393.9	7680.2
25°	3261.3	3205.3	3124.4	3055.9	3024.8	3018.6	3429.3	5682.4	7711.4	8246.6	8570.3
27.5°	3217.7	3149.3	3068.4	3018.6	3006.1	3043.5	3354.7	5769.5	8476.9	9161.5	9678.1
30°	3167.9	3068.4	2968.8	2950.1	2981.2	3099.5	3416.9	5800.6	9279.8	10157.3	10686.4
32.5°	3037.2	2962.6	2863.0	2856.8	2931.4	3143.0	3560.0	5757.1	9989.3	11153.2	11819.1
35°	2850.5	2807.0	2750.9	2769.6	2887.9	3180.4	3659.6	5620.1	10636.6	12080.5	12858.5
37.5°	2520.7	2551.8	2582.9	2626.5	2775.8	3174.2	3703.2	5402.3	11171.8	12821.1	13817.0
40°	2153.5	2259.3	2358.8	2470.9	2670.0	3124.4	3715.6	5134.7	11483.0	13381.3	14669.6
42.5°	1923.2	2022.8	2147.2	2309.1	2526.9	3012.3	3703.2	4835.9	11582.6	13767.2	15211.1
45°	1711.6	1829.8	1985.4	2153.5	2402.4	2850.5	3591.2	4512.3	11632.4	13947.7	15441.4
47.5°	1599.5	1668.0	1811.1	1979.2	2240.6	2651.4	3373.3	4275.8	11557.7	13985.0	15721.5
50°	1468.8	1562.2	1655.5	1817.4	2072.5	2402.4	3111.9	4138.9	11682.2	14352.2	16163.4
52.5°	1369.2	1419.0	1518.6	1668.0	1854.7	2172.1	2863.0	4026.8	12024.5	14725.6	16623.9
55°	1294.6	1350.6	1412.8	1537.3	1680.4	1941.8	2607.8	3858.8	12422.8	15124.0	17084.5
57.5°	1176.3	1213.7	1300.8	1431.5	1524.8	1717.8	2309.1	3659.6	12391.7	14812.8	16287.8
60°	*1070.5*	*1107.8*	*1201.2*	*1331.9*	*1387.9*	*1518.6*	*2016.5*	*3404.5*	*11794.2*	*13798.3*	*14819.0*
62.5°	952.3	995.8	1107.8	1201.2	1251.0	1350.6	1711.6	2937.7	10549.4	12273.4	13101.2
65°	902.5	927.4	1002.0	1114.1	1107.8	1201.2	1443.9	2309.1	8489.3	9379.4	10132.4
67.5°	958.5	995.8	983.4	1014.5	995.8	1045.6	1294.6	1854.7	6672.0	7064.1	7499.7
70°	946.0	1033.2	1076.7	1014.5	871.3	927.4	1120.3	1481.3	4773.7	4736.4	4717.7
72.5°	827.8	914.9	1039.4	1101.6	852.7	771.8	970.9	1282.1	3062.1	3049.7	2757.2
75°	703.3	765.5	914.9	995.8	734.4	622.4	834.0	1089.2	1829.8	1854.7	1655.5
77.5°	647.3	616.2	765.5	877.6	597.5	479.2	672.2	821.5	1008.3	1020.7	946.0
80°	466.8	448.1	572.6	641.1	454.3	342.3	379.7	510.4	541.5	485.5	504.1
82.5°	298.7	305.0	342.3	410.8	280.1	186.7	261.4	342.3	292.5	236.5	280.1
85°	192.9	217.8	180.5	211.6	87.1	87.1	112.0	149.4	99.6	68.5	74.7
87.5°	0.0	0.0	12.4	24.9	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: P1501414
CATALOG NUMBER: GSS-SB5B-730-U-T2LG

CANDELA DISTRIBUTION (continued):

	285°	293°	295°	305°	315°	325°	335°	345°	355°	360°
0°	4394.0	4394.0	*4394.0*	4394.0	4394.0	4394.0	4394.0	4394.0	4394.0	4394.0
2.5°	4412.7	4406.5	*4406.5*	4418.9	4450.1	4462.5	4481.2	4475.0	4493.6	4481.2
5°	4499.8	4506.1	*4524.7*	4531.0	4549.6	4574.5	4580.8	4574.5	4587.0	4587.0
7.5°	4674.1	4699.0	*4686.6*	4717.7	4692.8	4661.7	4611.9	4574.5	4543.4	4555.9
10°	4966.6	4954.2	*4948.0*	4892.0	4779.9	4618.1	4487.4	4344.3	4319.4	4294.5
12.5°	5290.3	5277.8	*5277.8*	5084.9	4767.5	4431.4	4132.6	3908.6	3833.9	3827.7
15°	5744.6	5663.7	*5589.0*	5184.5	4549.6	3977.0	3628.5	3454.2	3410.7	3410.7
17.5°	6311.0	6099.4	*5974.9*	5109.8	4194.9	3678.3	3472.9	3429.3	3416.9	3448.0
20°	7014.3	6479.0	*6298.5*	4941.7	4064.2	3715.6	3616.1	3622.3	3628.5	3672.1
22.5°	7786.0	6827.6	*6528.8*	4941.7	4194.9	3952.2	3902.4	3970.8	3989.5	4026.8
25°	8644.9	7138.8	*6734.2*	5203.1	4580.8	4400.3	4338.0	4406.5	4456.3	4518.5
27.5°	9609.6	7462.4	*7089.0*	5676.2	5078.7	4966.6	4898.2	4929.3	4997.8	5072.4
30°	10474.8	8003.9	*7630.5*	6398.1	5757.1	5620.1	5501.9	5551.7	5626.4	5676.2
32.5°	11240.3	8663.6	*8346.2*	7157.4	6535.1	6298.5	6167.8	6155.4	6304.8	6267.4
35°	11943.6	9441.6	*9136.6*	8022.6	7325.5	7033.0	6858.7	7082.8	6983.2	7020.5
37.5°	12497.5	10250.7	*10008.0*	8850.3	8147.0	7748.7	7642.9	7916.7	8072.3	8115.9
40°	12951.9	10954.0	*10698.8*	9671.9	8900.1	8607.6	8775.6	9230.0	9211.3	9192.6
42.5°	13300.4	11557.7	*11277.6*	10294.3	9622.1	9678.1	9808.8	10113.8	10188.5	10082.7
45°	13456.0	11937.4	*11713.3*	10785.9	10443.6	10767.3	10823.3	10954.0	10904.2	10835.7
47.5°	13636.5	12273.4	*12036.9*	11234.1	11333.6	11651.1	11539.0	11433.2	11252.7	11146.9
50°	13941.4	12671.8	*12472.6*	11887.6	12248.6	12142.7	11707.1	11470.6	11103.4	10978.9
52.5°	14520.3	13424.9	*13275.5*	12920.7	12678.0	12068.1	11539.0	11115.8	10705.0	10537.0
55°	15036.8	14445.6	*14358.4*	13885.4	12547.3	11676.0	10966.4	10312.9	9609.6	9466.5
57.5°	15335.6	16138.5	*16238.0*	14296.2	11949.8	10785.9	9740.3	8694.7	8028.8	7910.5
60°	*14445.6*	*17968.3*	*18018.1*	*14215.3*	*10873.1*	*9180.2*	*7586.9*	*6846.2*	*6130.5*	*5925.1*
62.5°	13219.5	17588.6	*17545.1*	13729.8	8657.4	6696.9	5763.3	5414.8	4860.8	4692.8
65°	11364.8	14651.0	*14700.8*	11862.7	5757.1	4842.2	4842.2	4400.3	3784.1	3665.9
67.5°	9261.1	11296.3	*11184.3*	7692.7	3535.2	3877.5	4064.2	3429.3	2564.2	2421.1
70°	6018.5	8626.3	*8470.7*	4437.6	2221.9	3230.2	3199.1	2576.7	1836.0	1736.5
72.5°	2589.1	4985.3	*5302.7*	2265.5	1674.2	2601.6	2551.8	1804.9	1226.1	1182.5
75°	1562.2	2508.2	*2732.3*	1443.9	1219.9	1960.5	1767.6	1145.2	834.0	802.9
77.5°	989.6	1375.5	*1363.0*	1083.0	914.9	1325.7	1188.8	790.4	566.4	541.5
80°	572.6	678.4	*703.3*	678.4	616.2	946.0	759.3	572.6	441.9	410.8
82.5°	367.2	423.2	*429.4*	329.9	342.3	609.9	410.8	336.1	255.2	230.3
85°	161.8	180.5	*174.3*	112.0	112.0	249.0	143.1	136.9	99.6	99.6
87.5°	6.2	12.4	*6.2*	6.2	6.2	24.9	12.4	18.7	18.7	18.7
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

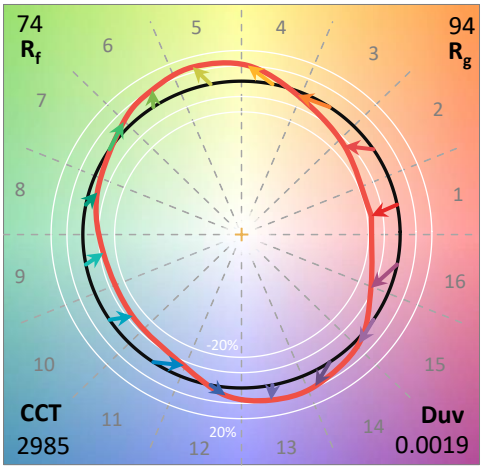
Test Information

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

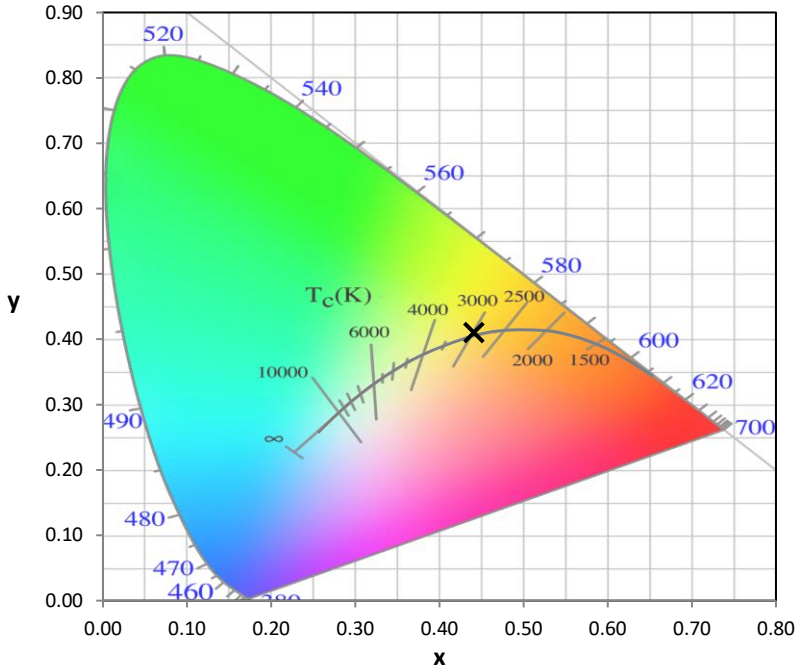
Stabilization Time:	36M
Operation Time:	1H 36M
Sphere Temperature (°C):	25.2

REPORT NUMBER: SP1-2407-184-4

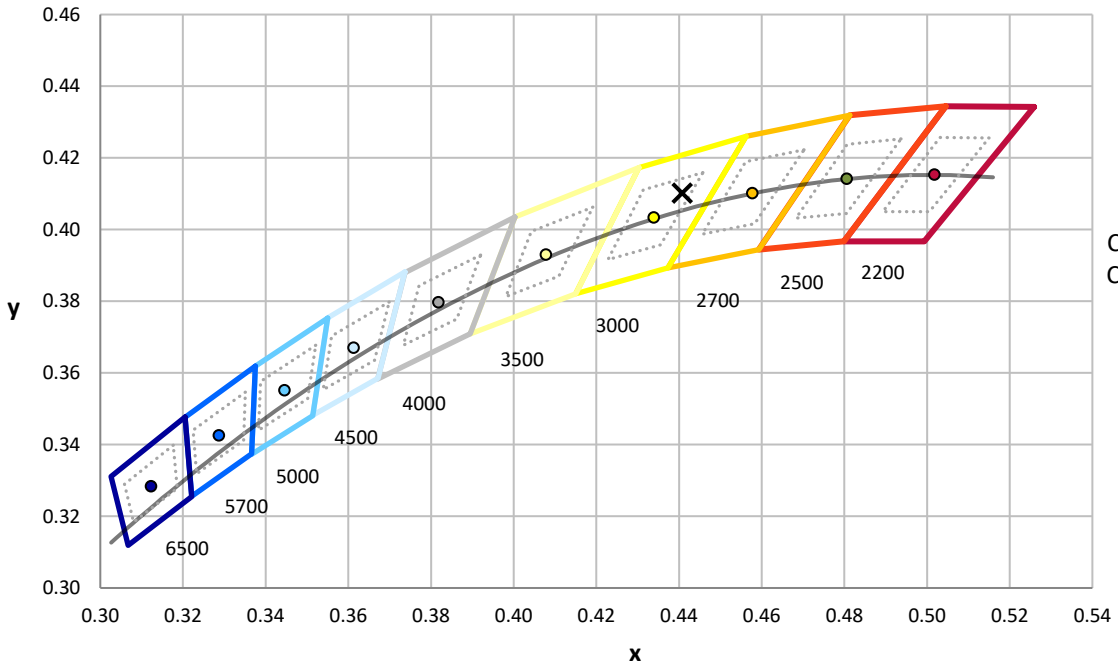
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

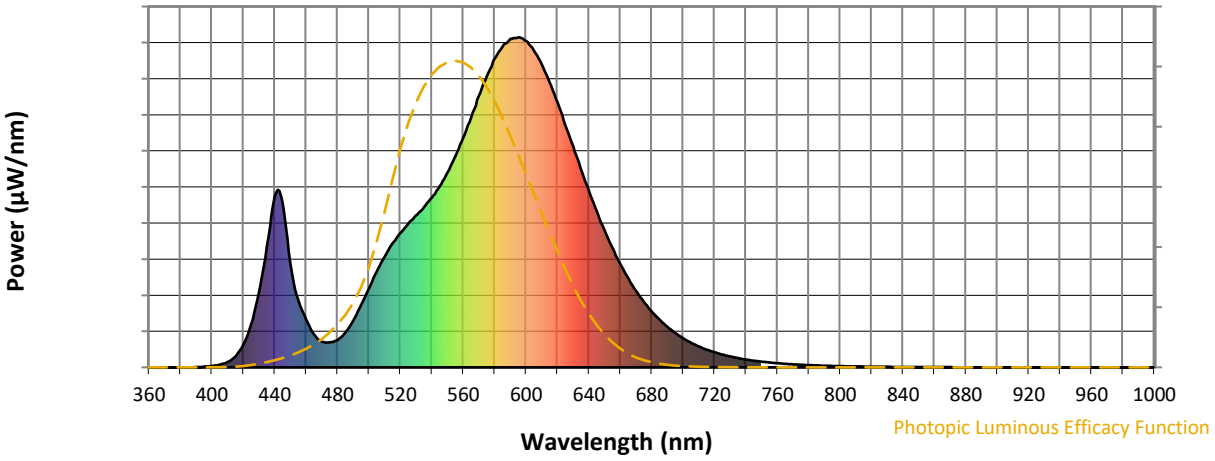


CCT = 2985K
CIE x = 0.4408
CIE y = 0.4101
Duv = 0.0019

Point lies inside the ANSI 3000K 4-step quadrangle

REPORT NUMBER: SP1-2407-184-4

Photopic Flux vs. Wavelength

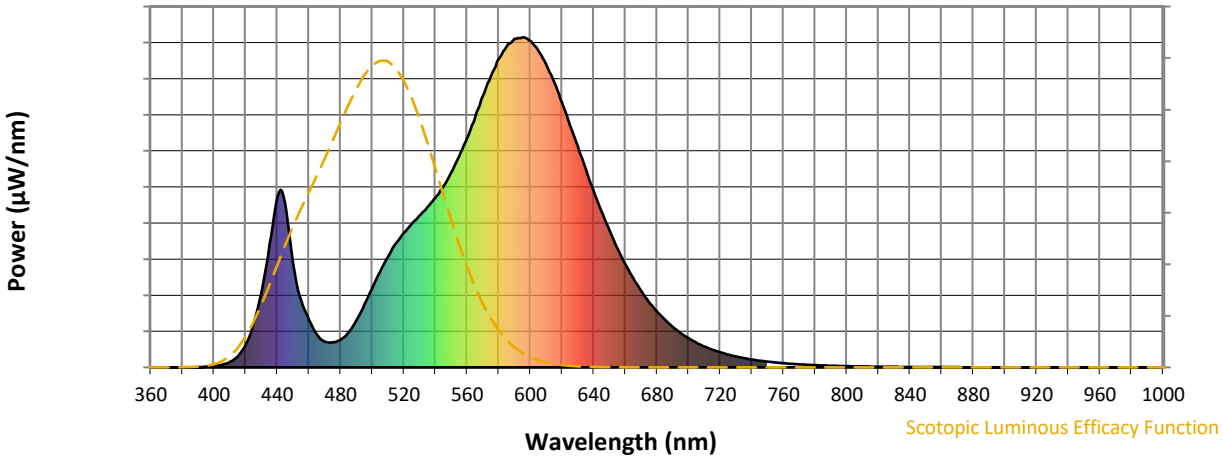


Photopic Lumens: NR

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

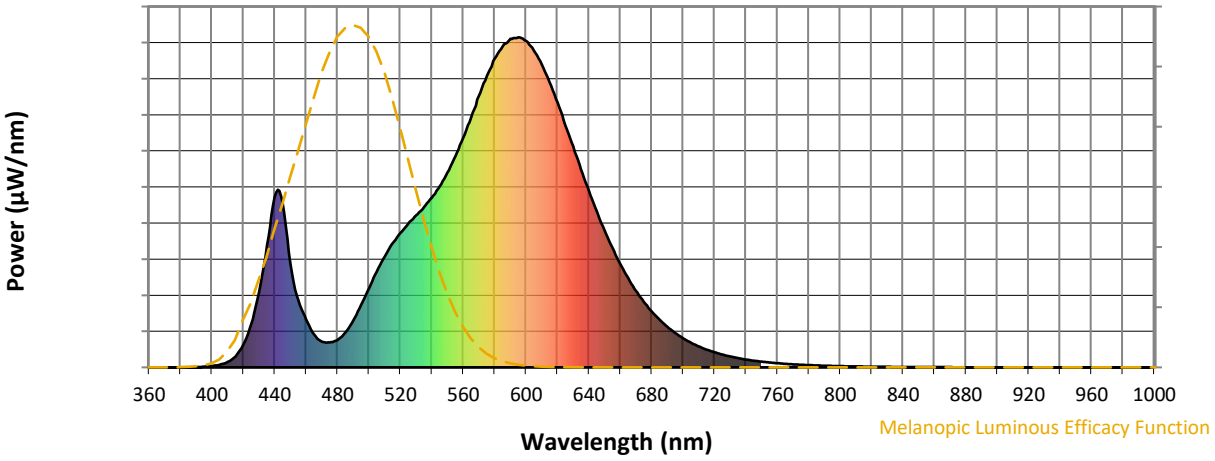


Scotopic Lumens: NR **S/P: 1.19**

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			

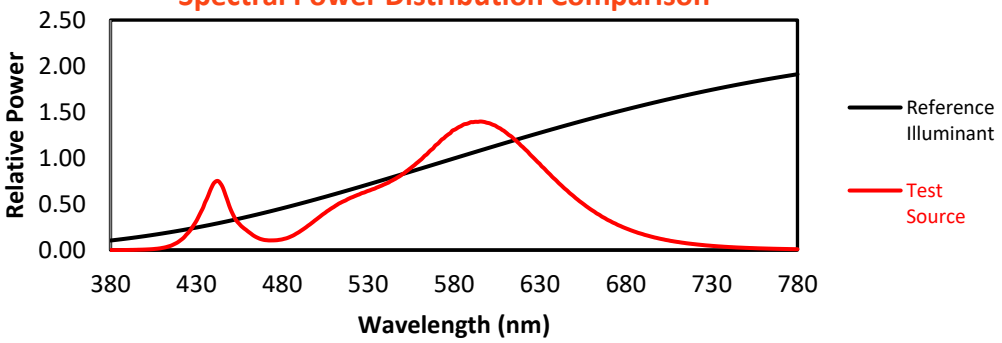
REPORT NUMBER: SP1-2407-184-4

TM-30-18

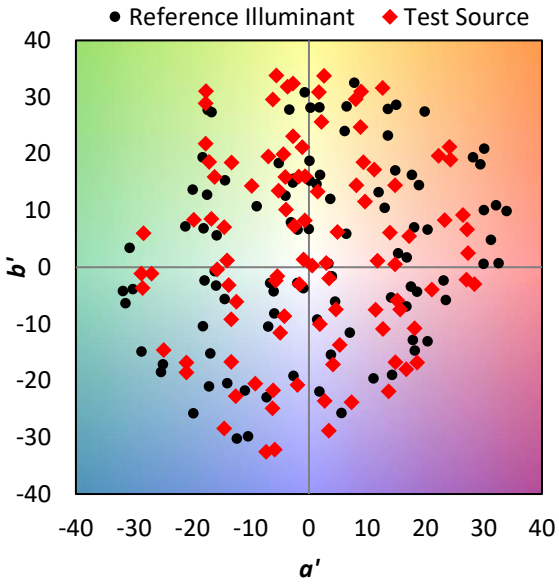
Summary

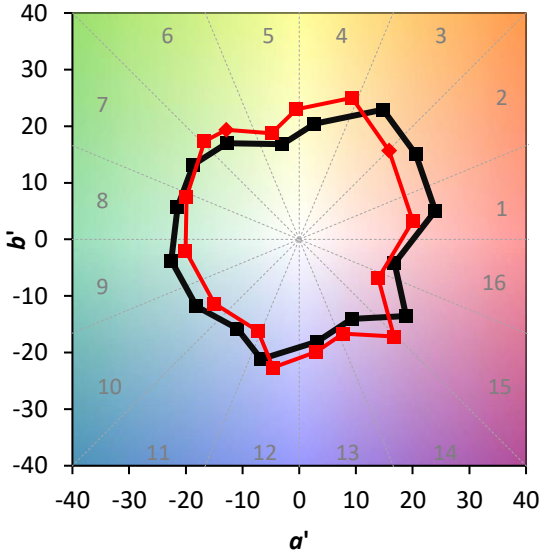
R_f = 73.8
R_g = 94.4
CIE R_a = 70.8
R_9 = -43.2

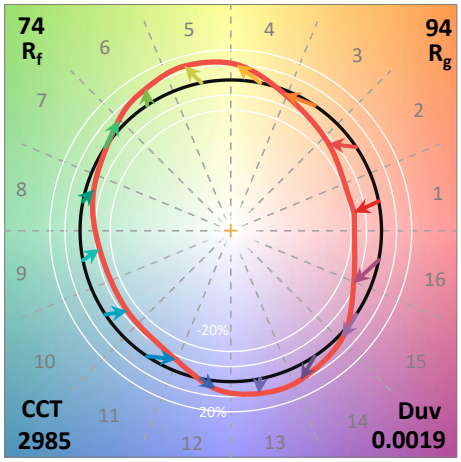
Spectral Power Distribution Comparison

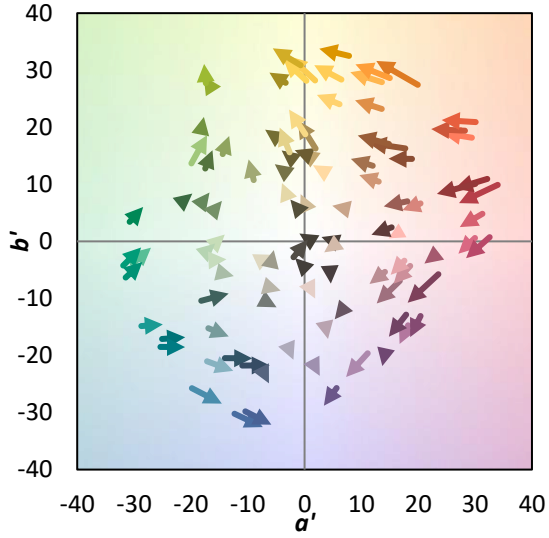


Color Vector Graphics







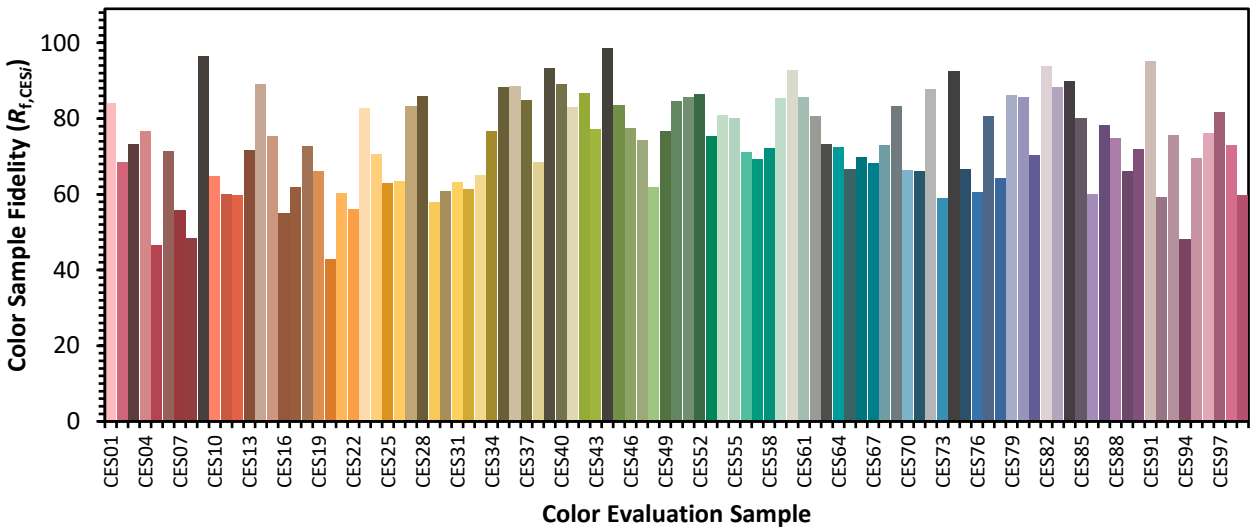


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Individual Sample Fidelity Index ($R_{f,i}$)

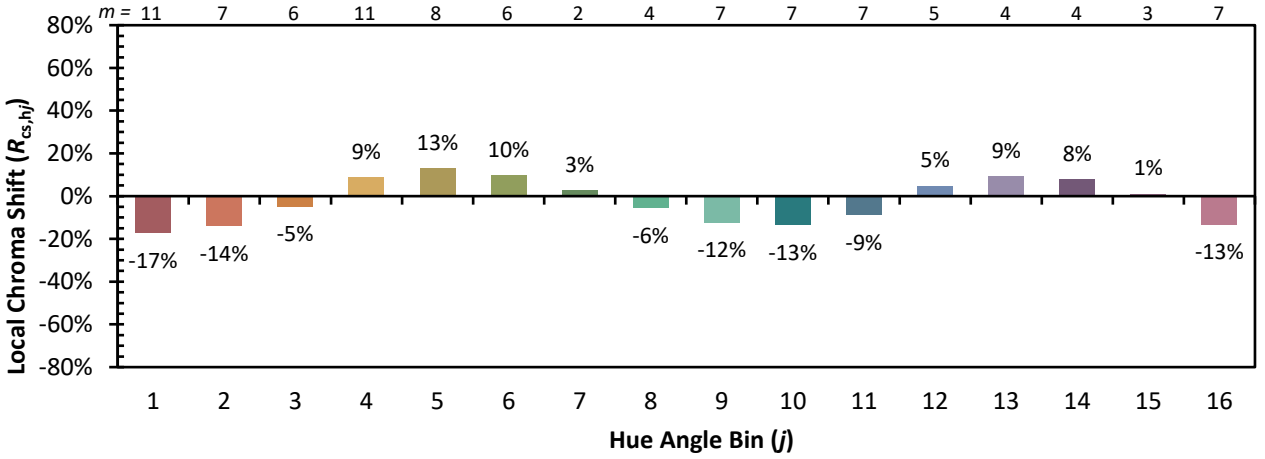
CES01 = 86	CES26 = 63	CES51 = 86	CES76 = 61
CES02 = 62	CES27 = 83	CES52 = 86	CES77 = 81
CES03 = 31	CES28 = 86	CES53 = 75	CES78 = 64
CES04 = 71	CES29 = 58	CES54 = 81	CES79 = 86
CES05 = 49	CES30 = 61	CES55 = 80	CES80 = 86
CES06 = 51	CES31 = 63	CES56 = 71	CES81 = 70
CES07 = 41	CES32 = 61	CES57 = 69	CES82 = 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	

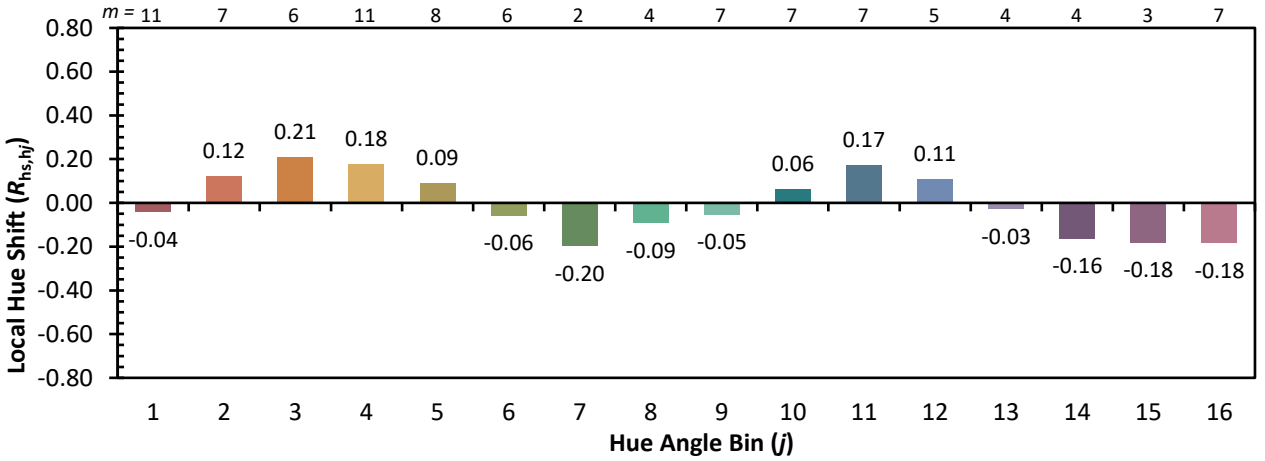


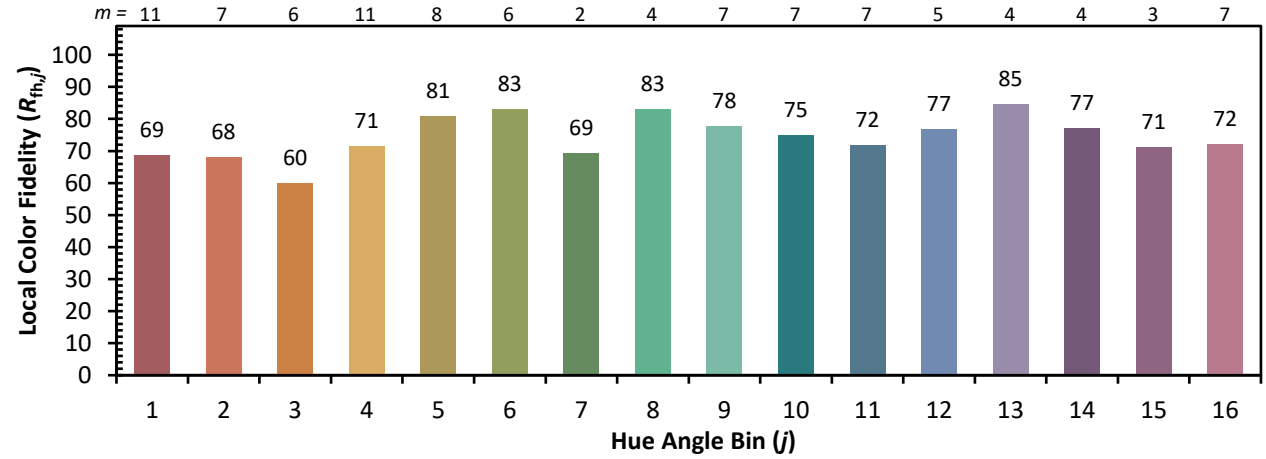
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Color Rendition by Hue-Angle Bin



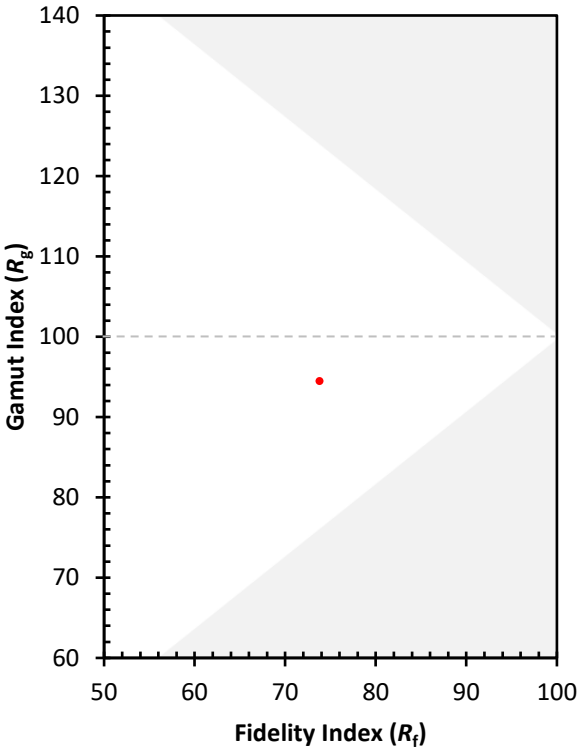


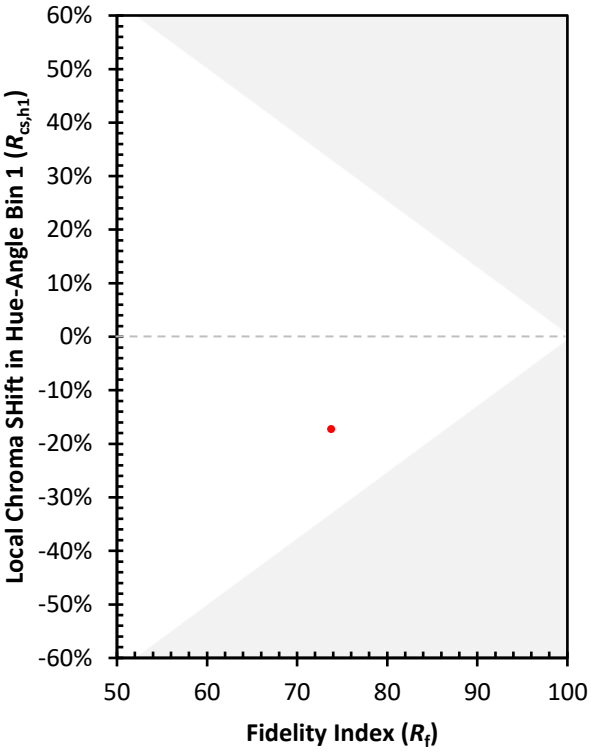


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Measure Comparisons





(END OF REPORT)