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: P1501845

Luminaire Tested: GSS-SB5A-750-U-T2LG-HSS

Issue Date: 07/20/2026

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Scaled Data Report

Test Information

Test Method:	LM-79-2024
Report Number:	P1501845
Test Lab:	INNOVATION CENTER(G1)
Issue Date:	7/20/2026
Manufacturer:	COOPER LIGHTING SOLUTIONS
Product Line:	McGRAW-EDISON
Catalog Number:	GSS-SB5A-750-U-T2LG-HSS
Description:	GALLEON II SLIM SITE HIGH DENSITY LED ARRAYS 5SQUARE 143W 70CRI 5000K FIXTURE w/ TYPE II LOW GLARE DISTRIBUTION FIXTURE W/ HOUSE SIDE SHIELD
Light Source:	(130) 5000K CCT, 70 CRI LEDS
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	18669.8 lumens
Efficiency:	N/A
Efficacy:	130.6 lumens/watt
Luminous Opening:	Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification:	Type II - Short
BUG Rating:	B2 - U0 - G2

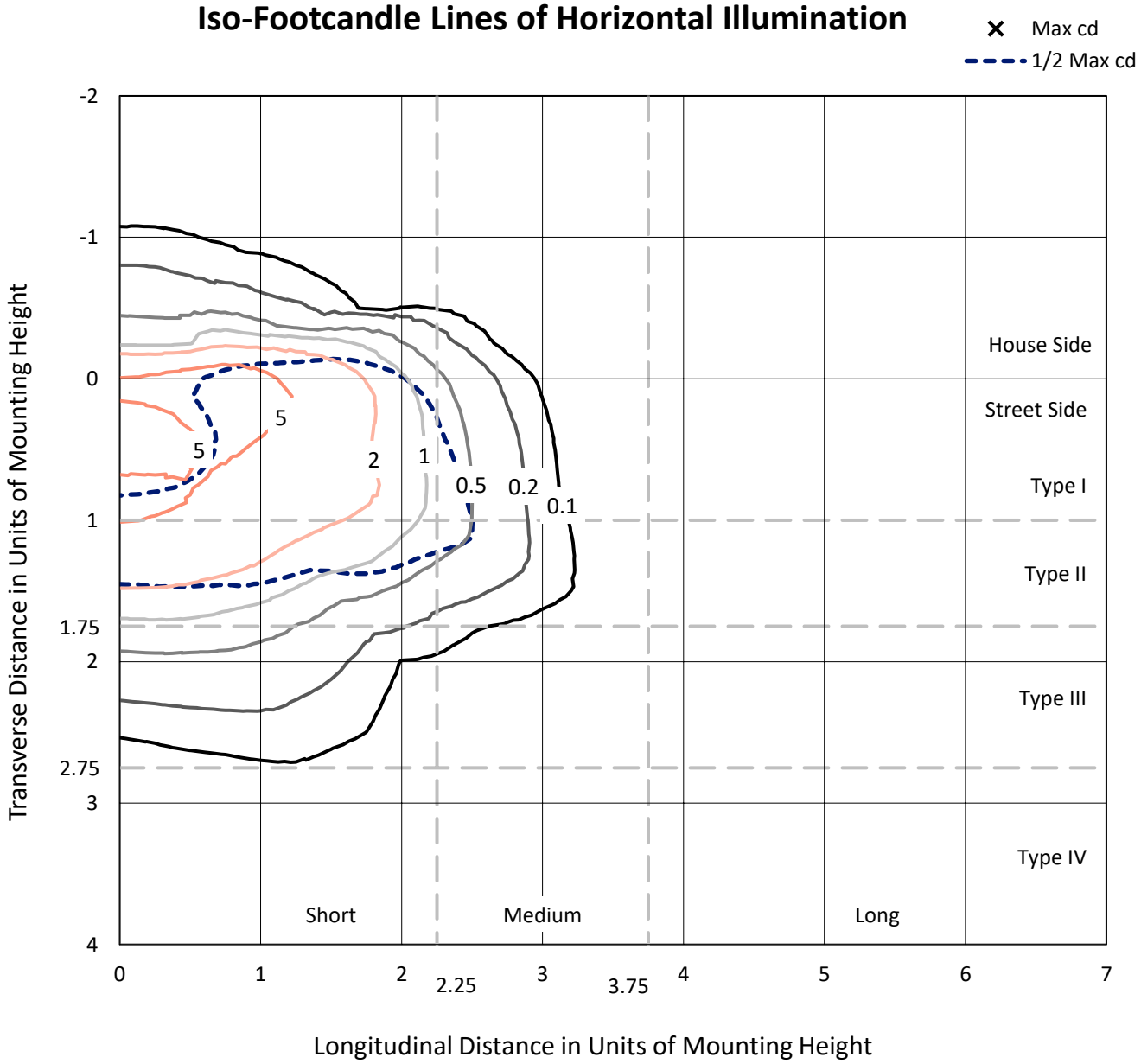
Input Watts (W):	143
Input Voltage (V):	120
Input Current (Ain):	NR
Voltage Rise (V):	NR
Power Factor:	0.98
Total Harmonic Distortion (THDi):	10.5%
Frequency (hertz):	60
Stabilization Time:	NR
Operation Time:	NR
Ambient Temperature (°C):	NR
Test Distance:	28.75 FT

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Iso-Footcandle Lines of Horizontal Illumination



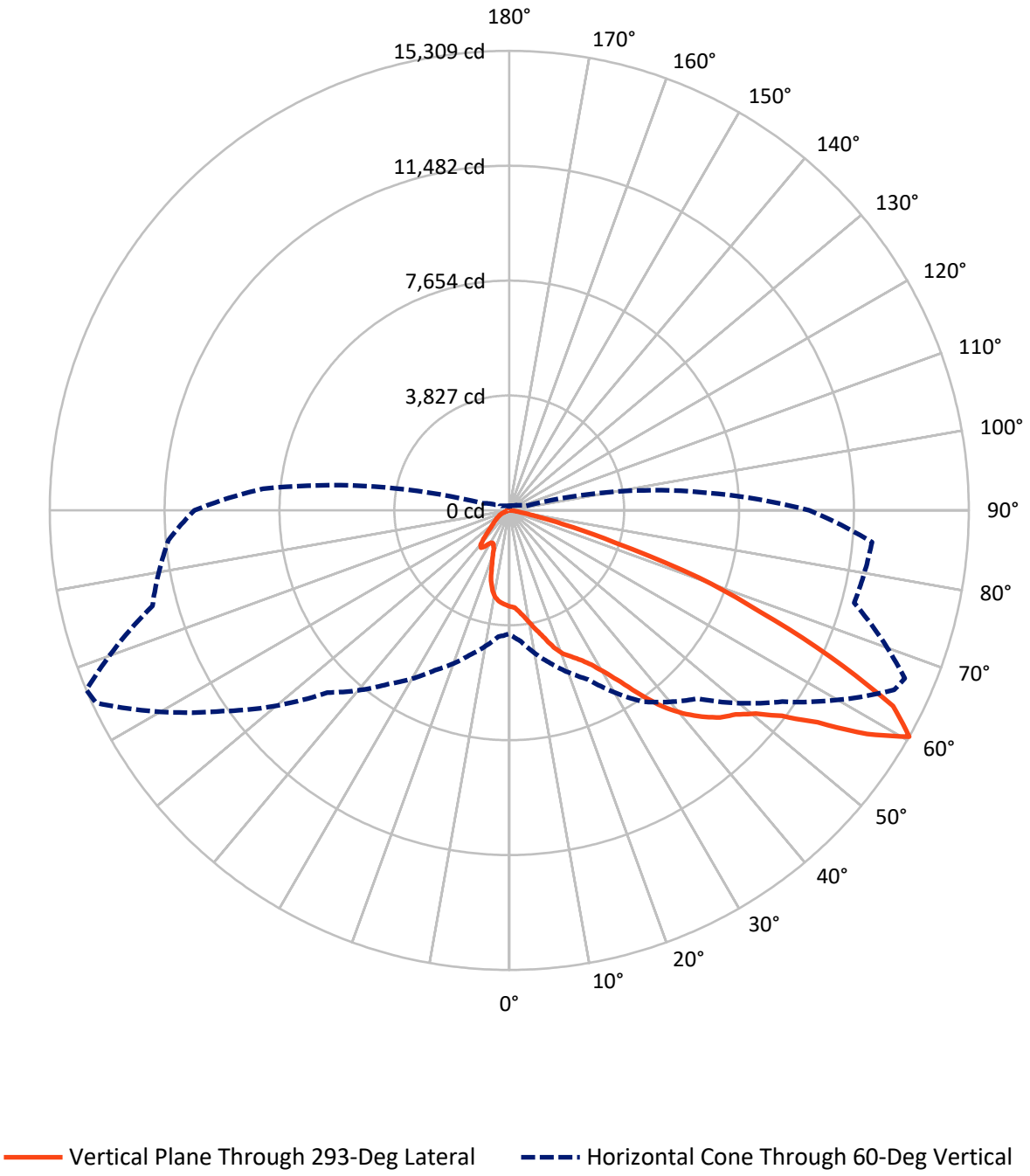
Based on 25 foot mounting height. Maximum calculated value = 8.5 fc
Type II - Short - N/A

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Luminous Intensity Polar Plot



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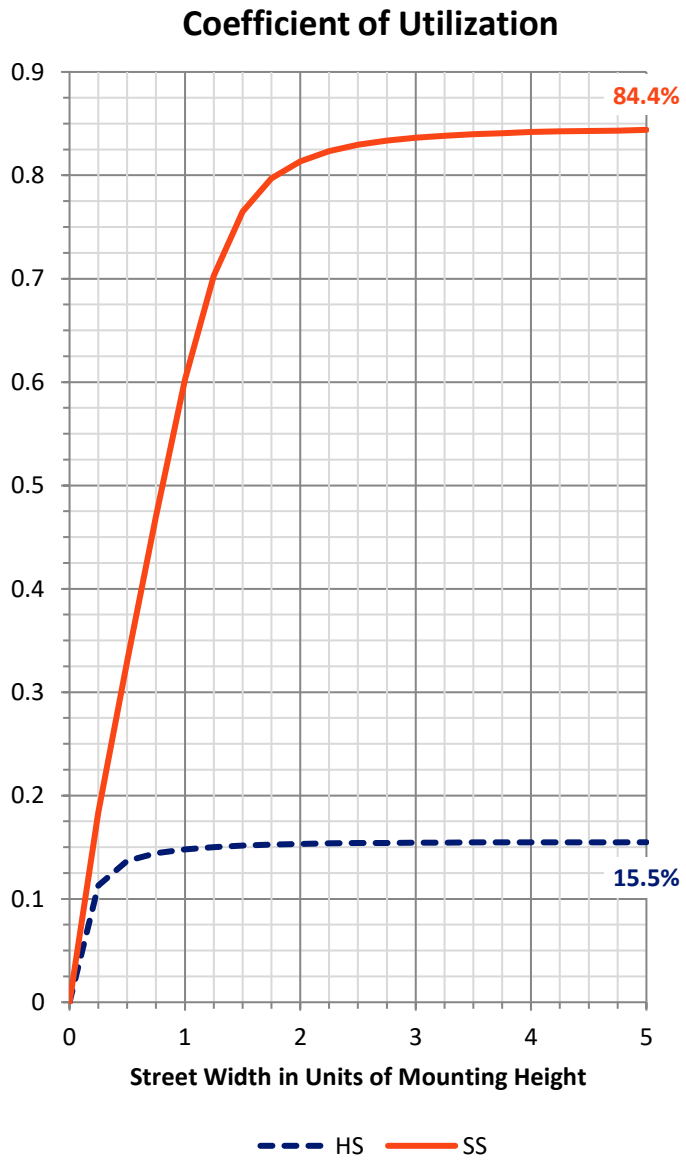
REPORT NUMBER: P1501845
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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2913.0	0.0	2913.0
	% Fixture	15.6	0.0	15.6
Street Side	Lumens	15756.9	0.0	15756.9
	% Fixture	84.4	0.0	84.4
Total	Lumens	18669.8	0.0	18669.8
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	289.7	1.6
10°-20°	729.7	3.9
20°-30°	1362.3	7.3
30°-40°	2701.5	14.5
40°-50°	4307.1	23.1
50°-60°	5145.9	27.6
60°-70°	3373.5	18.1
70°-80°	706.8	3.8
80°-90°	53.5	0.3
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°	18669.8	100.0
0°-180°	18669.8	100.0



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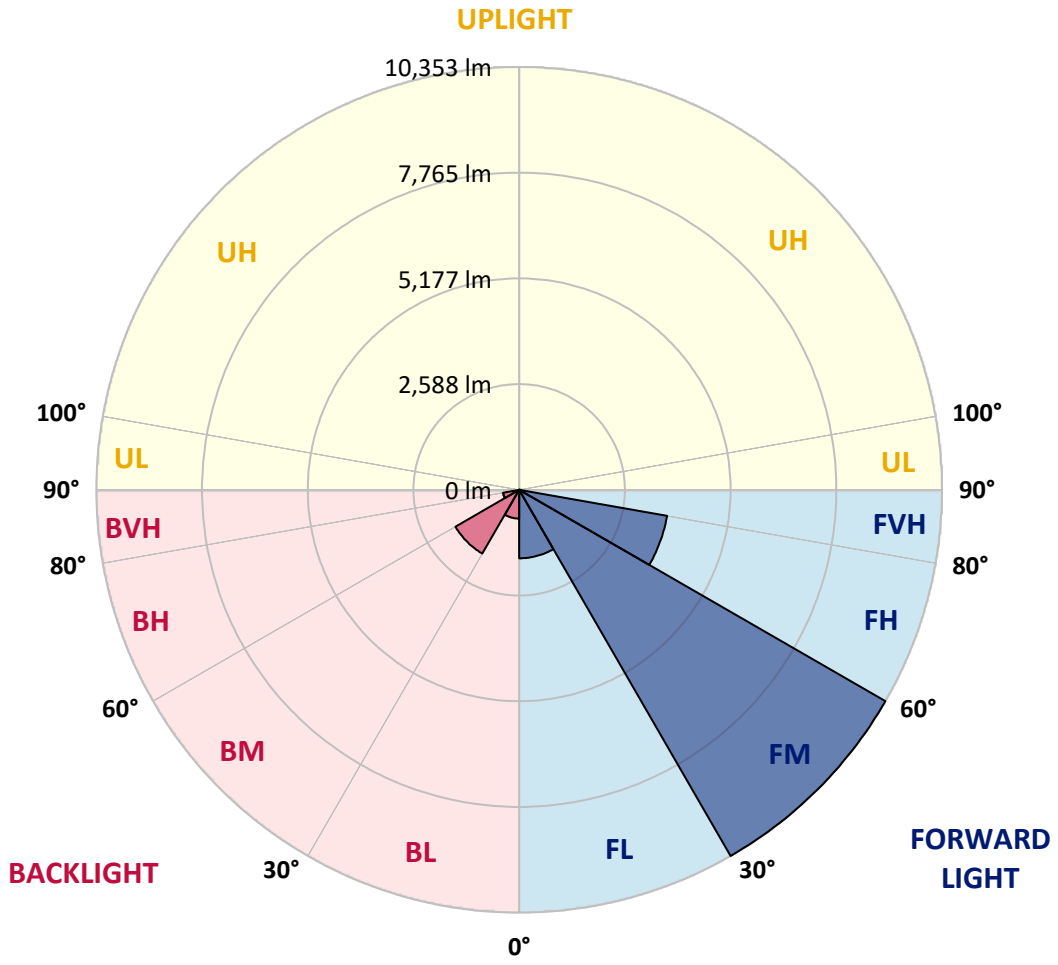
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	1676.9	9.0			
FM	(30°-60°)	10353.1	55.5			
FH	(60°-80°)	3677.8	19.7			G2/5000
FVH	(80°-90°)	49.0	0.3			G1/100
BL	(0°-30°)	704.7	3.8	B2/1000		
BM	(30°-60°)	1801.4	9.6	B2/2500		
BH	(60°-80°)	402.4	2.2	B1/500		G1/500
BVH	(80°-90°)	4.5	0.0			G0/10
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G2
Type II Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	67°	75°	85°
0°	3199.8	3199.8	3199.8	3199.8	3199.8	3199.8	3199.8	3199.8	3199.8	3199.8	3199.8
2.5°	3361.9	3351.4	3335.8	3341.0	3335.8	3314.8	3283.5	3257.3	3278.2	3246.9	3226.0
5°	3461.2	3461.2	3450.8	3450.8	3456.0	3445.6	3424.6	3388.0	3393.3	3367.1	3299.2
7.5°	3461.2	3445.6	3471.7	3497.8	3544.9	3571.0	3581.5	3560.6	3571.0	3518.8	3429.9
10°	3257.3	3246.9	3314.8	3414.2	3550.1	3670.4	3748.8	3754.0	3769.7	3717.4	3612.9
12.5°	2823.4	2802.5	2938.4	3126.6	3403.7	3680.8	3900.4	3984.1	4020.7	3999.8	3853.4
15°	2420.8	2446.9	2541.0	2744.9	3116.2	3539.7	3984.1	4261.2	4313.5	4339.6	4167.1
17.5°	2379.0	2384.2	2415.6	2514.9	2797.2	3309.6	3994.5	4548.8	4622.0	4737.0	4501.7
20°	2494.0	2483.5	2514.9	2546.3	2682.2	3105.7	3895.2	4825.9	4967.0	5212.8	4956.6
22.5°	2708.3	2708.3	2724.0	2744.9	2812.9	3090.0	3853.4	5082.1	5322.6	5824.5	5526.5
25°	3069.1	3027.3	3037.7	3011.6	3069.1	3278.2	3947.5	5286.0	5615.4	6504.2	6206.2
27.5°	3628.6	3644.2	3550.1	3409.0	3440.3	3618.1	4177.5	5516.0	5918.6	7210.1	6896.3
30°	4402.4	4376.2	4318.7	4041.6	3916.1	4073.0	4601.0	5892.5	6326.4	8104.1	7816.6
32.5°	5008.9	5082.1	4982.7	4789.3	4595.8	4642.9	5197.1	6499.0	6823.1	8925.0	8768.1
35°	5740.9	5740.9	5761.8	5489.9	5359.2	5348.7	5944.8	7157.8	7481.9	9667.4	9777.2
37.5°	6729.0	6661.1	6546.0	6242.8	6143.4	6274.2	6645.4	7837.5	8187.8	10268.7	10561.5
40°	7560.4	7607.4	7591.7	7152.5	6959.1	7100.3	7429.6	8417.8	8689.7	10655.6	11194.1
42.5°	8376.0	8402.1	8334.2	8125.0	7842.7	7853.2	8125.0	8857.0	9134.1	11026.8	11790.2
45°	8987.7	8982.5	8935.4	8883.2	8715.9	8543.3	8590.4	9343.3	9583.8	11147.1	12114.4
47.5°	9181.2	9223.0	9264.8	9411.2	9526.3	9254.4	9013.9	9604.7	9824.3	11126.2	12234.6
50°	9003.4	9092.3	9296.2	9515.8	9907.9	9887.0	9369.4	9887.0	10101.4	11241.2	12375.8
52.5°	8606.1	8694.9	8966.8	9364.2	9955.0	10247.8	10028.2	10362.8	10613.8	11534.0	12668.6
55°	7680.6	7717.2	8276.7	8799.5	9719.7	10090.9	10734.0	11168.0	11377.1	11889.5	13055.5
57.5°	6253.2	6342.1	6891.1	7743.4	9060.9	9677.9	11136.6	12543.1	12537.9	12229.4	13139.1
60°	*4114.8*	*4376.2*	*5270.3*	*6211.4*	*7785.2*	*8867.5*	*11110.5*	*14153.5*	*14315.5*	*11894.8*	*12130.0*
62.5°	3142.3	3252.1	3759.3	4543.5	5761.8	7351.2	10937.9	14634.5	14760.0	10995.5	10619.0
65°	2363.3	2499.2	2985.5	3686.1	4067.7	4982.7	9808.6	12720.9	12893.4	9813.8	8255.7
67.5°	1448.3	1558.1	2206.4	3027.3	3079.6	3095.3	6619.2	9636.1	9698.8	7915.9	5557.9
70°	967.3	1077.1	1526.7	2326.7	2452.2	1782.9	3633.8	7293.7	7288.5	5416.7	3377.6
72.5°	559.4	611.7	967.3	1714.9	1929.3	1134.6	1814.3	4637.6	4433.7	2546.3	1579.0
75°	318.9	355.5	533.3	1103.2	1354.2	721.5	716.3	2483.5	2196.0	1312.3	862.7
77.5°	193.5	209.1	292.8	721.5	815.6	486.2	397.4	1155.5	1113.7	768.6	454.9
80°	94.1	109.8	177.8	423.5	522.8	261.4	240.5	454.9	486.2	423.5	240.5
82.5°	31.4	41.8	99.3	162.1	339.9	104.6	99.3	251.0	266.7	251.0	115.0
85°	15.7	20.9	47.1	52.3	130.7	52.3	36.6	109.8	135.9	83.7	47.1
87.5°	0.0	5.2	5.2	5.2	5.2	5.2	5.2	10.5	10.5	10.5	10.5
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°	3199.8	3199.8	3199.8	3199.8	3199.8	3199.8	3199.8	3199.8	3199.8	3199.8	3199.8
2.5°	3210.3	3199.8	3178.9	3142.3	3137.1	3110.9	3069.1	3043.0	3022.1	3037.7	3043.0
5°	3267.8	3241.6	3178.9	3079.6	2975.0	2870.4	2771.1	2656.1	2577.6	2567.2	2546.3
7.5°	3372.4	3320.1	3184.1	2990.7	2724.0	2473.1	2180.3	1897.9	1756.8	1735.9	1688.8
10°	3539.7	3450.8	3226.0	2833.8	2321.4	1798.6	1354.2	1050.9	878.4	847.0	857.5
12.5°	3738.4	3612.9	3231.2	2567.2	1767.2	1113.7	768.6	653.6	617.0	601.3	601.3
15°	3994.5	3811.6	3226.0	2222.1	1192.1	716.3	617.0	569.9	554.2	543.8	543.8
17.5°	4318.7	4078.2	3189.4	1704.5	805.2	622.2	564.7	528.1	507.2	501.9	501.9
20°	4700.4	4376.2	3105.7	1270.5	674.5	580.4	533.3	486.2	470.6	460.1	460.1
22.5°	5186.6	4737.0	2943.6	988.2	637.9	554.2	501.9	449.6	434.0	423.5	423.5
25°	5751.3	5197.1	2729.3	888.8	632.6	533.3	470.6	418.3	402.6	397.4	392.1
27.5°	6420.6	5688.6	2530.6	894.1	643.1	517.6	439.2	392.1	376.4	360.8	366.0
30°	7210.1	6195.7	2368.5	956.8	653.6	501.9	418.3	376.4	360.8	339.9	339.9
32.5°	7989.1	6791.8	2352.8	1071.8	690.2	491.5	397.4	355.5	339.9	324.2	324.2
35°	8789.1	7335.5	2441.7	1223.5	763.4	475.8	371.2	334.6	318.9	308.5	303.3
37.5°	9552.4	7769.5	2525.3	1317.6	721.5	407.8	339.9	308.5	292.8	271.9	271.9
40°	10059.6	8004.8	2541.0	1244.4	596.0	366.0	308.5	277.1	256.2	245.7	240.5
42.5°	10430.8	8156.4	2363.3	1009.1	517.6	334.6	282.3	251.0	235.3	224.8	224.8
45°	10582.4	8104.1	2060.0	768.6	475.8	308.5	256.2	230.1	219.6	209.1	209.1
47.5°	10561.5	7863.6	1751.5	617.0	434.0	282.3	240.5	219.6	209.1	198.7	193.5
50°	10524.9	7638.8	1437.8	549.0	386.9	266.7	224.8	209.1	193.5	183.0	177.8
52.5°	10765.4	7565.6	1192.1	501.9	360.8	256.2	219.6	198.7	183.0	172.5	172.5
55°	11005.9	7597.0	935.9	470.6	334.6	251.0	214.4	193.5	177.8	162.1	162.1
57.5°	10990.2	7461.0	711.1	439.2	313.7	245.7	209.1	188.2	162.1	151.6	151.6
60°	*9991.6*	*6655.8*	*554.2*	*402.6*	*287.6*	*230.1*	*193.5*	*177.8*	*151.6*	*135.9*	*135.9*
62.5°	8449.2	5233.7	454.9	355.5	256.2	209.1	177.8	162.1	135.9	109.8	109.8
65°	6242.8	3775.0	366.0	308.5	235.3	183.0	162.1	141.2	109.8	88.9	83.7
67.5°	4224.6	2321.4	292.8	256.2	209.1	156.9	135.9	120.3	99.3	73.2	68.0
70°	2504.4	1233.9	214.4	177.8	156.9	115.0	115.0	104.6	83.7	62.7	57.5
72.5°	1192.1	428.7	156.9	130.7	120.3	83.7	88.9	88.9	68.0	47.1	41.8
75°	606.5	209.1	104.6	94.1	78.4	62.7	73.2	68.0	47.1	31.4	31.4
77.5°	345.1	146.4	73.2	62.7	52.3	41.8	47.1	41.8	26.1	15.7	15.7
80°	193.5	104.6	47.1	41.8	31.4	26.1	26.1	20.9	15.7	5.2	5.2
82.5°	73.2	62.7	31.4	20.9	15.7	15.7	10.5	10.5	5.2	0.0	0.0
85°	31.4	15.7	15.7	10.5	10.5	5.2	5.2	5.2	0.0	0.0	0.0
87.5°	5.2	5.2	5.2	5.2	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

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CANDELA DISTRIBUTION (continued):

	185°	195°	205°	215°	225°	235°	245°	255°	265°	270°	275°
0°	3199.8	3199.8	3199.8	3199.8	3199.8	3199.8	3199.8	3199.8	3199.8	3199.8	3199.8
2.5°	3001.1	3011.6	3022.1	3063.9	3074.3	3105.7	3131.9	3163.2	3168.5	3210.3	3210.3
5°	2588.1	2582.9	2671.7	2802.5	2886.1	3001.1	3090.0	3184.1	3236.4	3304.4	3335.8
7.5°	1714.9	1845.6	2044.3	2274.4	2572.4	2849.5	3058.7	3241.6	3367.1	3445.6	3476.9
10°	852.2	925.4	1134.6	1511.0	2018.2	2582.9	3027.3	3367.1	3571.0	3659.9	3717.4
12.5°	601.3	617.0	653.6	857.5	1343.7	2143.7	2927.9	3503.1	3785.4	3952.7	4025.9
15°	538.5	549.0	564.7	622.2	831.3	1599.9	2750.2	3654.7	4120.0	4313.5	4407.6
17.5°	496.7	501.9	517.6	564.7	653.6	1087.5	2462.6	3816.8	4522.6	4757.9	4935.7
20°	460.1	460.1	475.8	533.3	606.5	836.6	2049.6	3999.8	5035.0	5374.9	5552.6
22.5°	418.3	428.7	439.2	501.9	590.8	763.4	1662.7	4140.9	5604.9	6018.0	6227.1
25°	386.9	397.4	407.8	470.6	575.1	763.4	1437.8	4229.8	6242.8	6734.3	7021.8
27.5°	360.8	371.2	386.9	449.6	559.4	794.7	1348.9	4256.0	6938.2	7576.0	7963.0
30°	339.9	350.3	366.0	434.0	569.9	831.3	1380.3	4219.4	7644.0	8444.0	8904.1
32.5°	318.9	329.4	345.1	418.3	569.9	878.4	1484.9	4146.2	8328.9	9311.9	9876.6
35°	303.3	308.5	313.7	376.4	517.6	873.2	1615.6	4073.0	9019.1	10169.4	10828.2
37.5°	271.9	277.1	287.6	324.2	413.0	794.7	1641.7	3984.1	9562.9	10890.9	11617.7
40°	240.5	251.0	261.4	298.0	345.1	643.1	1526.7	3795.9	9850.4	11445.1	12328.7
42.5°	219.6	224.8	235.3	271.9	318.9	512.4	1281.0	3466.5	10106.6	11821.6	12846.3
45°	203.9	209.1	219.6	245.7	298.0	444.4	1009.1	3063.9	10127.5	11941.8	13097.3
47.5°	188.2	193.5	198.7	224.8	287.6	397.4	773.8	2697.9	10122.3	12098.7	13311.7
50°	177.8	183.0	193.5	214.4	271.9	355.5	637.9	2399.9	10341.9	12438.5	13745.6
52.5°	172.5	172.5	188.2	209.1	256.2	324.2	533.3	2133.2	10456.9	12773.1	14059.3
55°	162.1	167.3	177.8	198.7	240.5	308.5	454.9	1798.6	10509.2	12940.5	14116.9
57.5°	151.6	156.9	172.5	188.2	230.1	292.8	392.1	1343.7	9761.5	12067.3	13154.8
60°	*135.9*	*146.4*	*167.3*	*183.0*	*214.4*	*266.7*	*345.1*	*909.8*	*8234.8*	*10488.3*	*11398.1*
62.5°	109.8	130.7	151.6	162.1	193.5	224.8	292.8	606.5	6577.4	8679.3	9714.5
65°	83.7	109.8	125.5	141.2	162.1	188.2	245.7	413.0	4386.7	5840.2	7006.1
67.5°	73.2	94.1	104.6	115.0	135.9	162.1	198.7	287.6	2661.3	3508.3	4658.6
70°	57.5	78.4	88.9	83.7	104.6	125.5	141.2	193.5	1359.4	1903.2	2650.8
72.5°	41.8	62.7	68.0	68.0	62.7	88.9	104.6	135.9	590.8	925.4	1202.5
75°	31.4	41.8	47.1	41.8	36.6	57.5	73.2	88.9	386.9	554.2	700.6
77.5°	15.7	15.7	26.1	26.1	15.7	31.4	36.6	52.3	219.6	324.2	402.6
80°	5.2	0.0	0.0	5.2	0.0	10.5	15.7	26.1	115.0	172.5	251.0
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.2	57.5	52.3	130.7
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10.5	31.4
87.5°	0.0	0.0	0.0	0.0	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: P1501845
CATALOG NUMBER: GSS-SB5A-750-U-T2LG-HSS

CANDELA DISTRIBUTION (continued):

	285°	293°	295°	305°	315°	325°	335°	345°	355°	360°
0°	3199.8	*3199.8*	3199.8	3199.8	3199.8	3199.8	3199.8	3199.8	3199.8	3199.8
2.5°	3236.4	*3236.4*	3257.3	3288.7	3304.4	3314.8	3320.1	3330.5	3372.4	3361.9
5°	3372.4	*3382.8*	3398.5	3429.9	3466.5	3456.0	3456.0	3456.0	3482.2	3461.2
7.5°	3550.1	*3581.5*	3586.7	3623.3	3597.2	3544.9	3513.5	3466.5	3461.2	3461.2
10°	3837.7	*3827.2*	3827.2	3780.2	3686.1	3534.4	3398.5	3304.4	3252.1	3257.3
12.5°	4146.2	*4104.3*	4109.6	3937.0	3670.4	3335.8	3058.7	2854.7	2839.1	2823.4
15°	4527.9	*4418.1*	4397.1	3999.8	3435.1	2922.7	2650.8	2488.7	2436.5	2420.8
17.5°	5071.6	*4794.5*	4695.2	3890.0	3126.6	2666.5	2462.6	2389.4	2384.2	2379.0
20°	5646.7	*5097.8*	4909.5	3727.9	3022.1	2671.7	2520.1	2499.2	2488.7	2494.0
22.5°	6316.0	*5291.2*	5050.7	3754.0	3116.2	2844.3	2724.0	2708.3	2697.9	2708.3
25°	7006.1	*5516.0*	5218.0	3963.2	3398.5	3163.2	3022.1	2990.7	3022.1	3069.1
27.5°	7701.5	*5819.3*	5547.4	4376.2	3853.4	3597.2	3461.2	3576.3	3623.3	3628.6
30°	8318.5	*6242.8*	5991.8	4956.6	4371.0	4114.8	4140.9	4287.3	4344.9	4402.4
32.5°	8883.2	*6807.5*	6614.0	5615.4	5040.2	4888.6	4872.9	4982.7	5045.5	5008.9
35°	9453.1	*7544.7*	7356.5	6331.7	5861.1	5735.6	5604.9	5819.3	5798.4	5740.9
37.5°	9991.6	*8287.1*	8114.6	7100.3	6614.0	6394.4	6373.5	6567.0	6739.5	6729.0
40°	10378.5	*8888.4*	8679.3	7863.6	7403.5	7215.3	7325.1	7659.7	7617.9	7560.4
42.5°	10734.0	*9400.8*	9212.6	8532.9	8051.8	8135.5	8234.8	8459.7	8433.5	8376.0
45°	10901.4	*9840.0*	9677.9	9040.0	8804.7	9071.4	9066.2	9149.8	9008.6	8987.7
47.5°	11136.6	*10153.7*	9986.4	9494.9	9704.0	9813.8	9505.4	9416.5	9285.8	9181.2
50°	11570.6	*10639.9*	10472.6	10185.1	10362.8	10023.0	9646.5	9453.1	9186.4	9003.4
52.5°	12077.8	*11377.1*	11230.7	11115.7	10619.0	9918.4	9437.4	9087.1	8762.9	8606.1
55°	12715.6	*12464.7*	12360.1	11727.4	10389.0	9489.7	8925.0	8271.4	7827.0	7680.6
57.5°	12924.8	*14059.3*	14022.7	11826.8	9745.9	8710.6	7691.1	6807.5	6347.4	6253.2
60°	*12307.8*	*15308.9*	*15178.2*	*11659.5*	*8579.9*	*7068.9*	*5876.8*	*4972.3*	*4224.6*	*4114.8*
62.5°	11518.3	*14352.1*	14305.1	10817.7	6535.6	5066.4	4391.9	3544.9	3226.0	3142.3
65°	9866.1	*11743.1*	11764.0	8679.3	4135.7	3639.0	3607.6	2818.1	2426.0	2363.3
67.5°	7597.0	*9008.6*	8862.2	5458.5	2410.3	2912.3	2880.9	2060.0	1490.1	1448.3
70°	4439.0	*6708.1*	6472.8	2839.1	1594.7	2431.2	2216.9	1448.3	1014.3	967.3
72.5°	1960.7	*3691.3*	3963.2	1249.6	1124.1	1934.5	1599.9	888.8	569.9	559.4
75°	1087.5	*1830.0*	1913.6	543.8	789.5	1375.1	967.3	496.7	324.2	318.9
77.5°	653.6	*810.4*	789.5	350.3	590.8	878.4	585.6	282.3	203.9	193.5
80°	366.0	*371.2*	313.7	256.2	350.3	491.5	329.4	177.8	94.1	94.1
82.5°	224.8	*203.9*	162.1	78.4	94.1	298.0	120.3	99.3	31.4	31.4
85°	94.1	*62.7*	41.8	15.7	36.6	78.4	41.8	47.1	15.7	15.7
87.5°	0.0	*0.0*	0.0	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

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

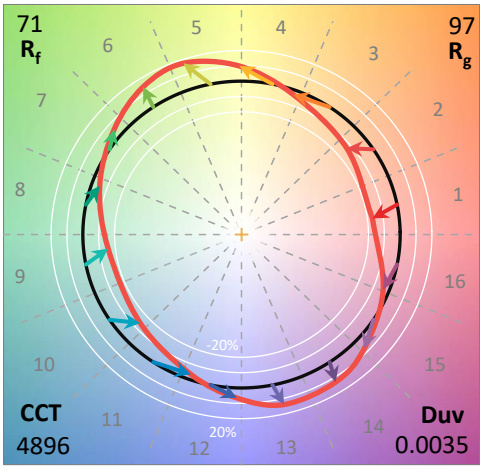
Test Information

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

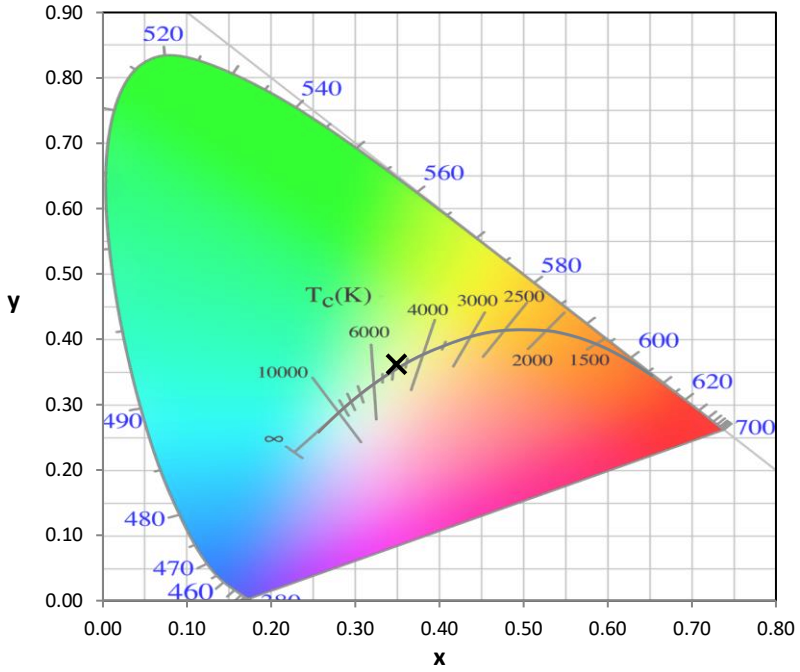
Stabilization Time:	21M
Operation Time:	1H 21M
Sphere Temperature (°C):	25.2

REPORT NUMBER: SP1-2407-184-6

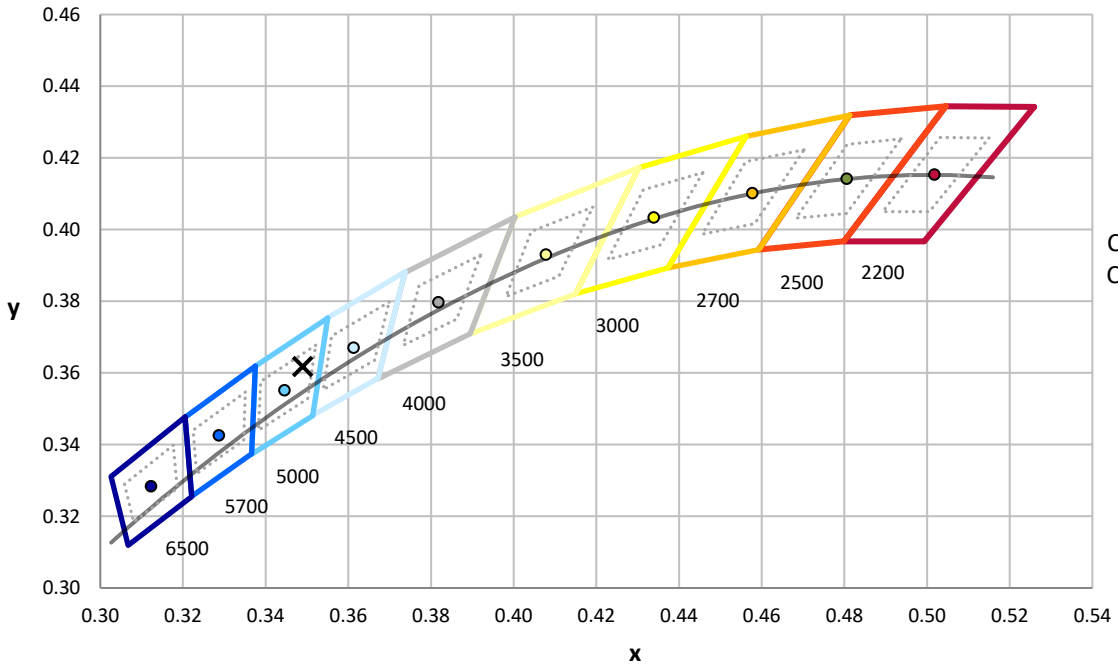
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

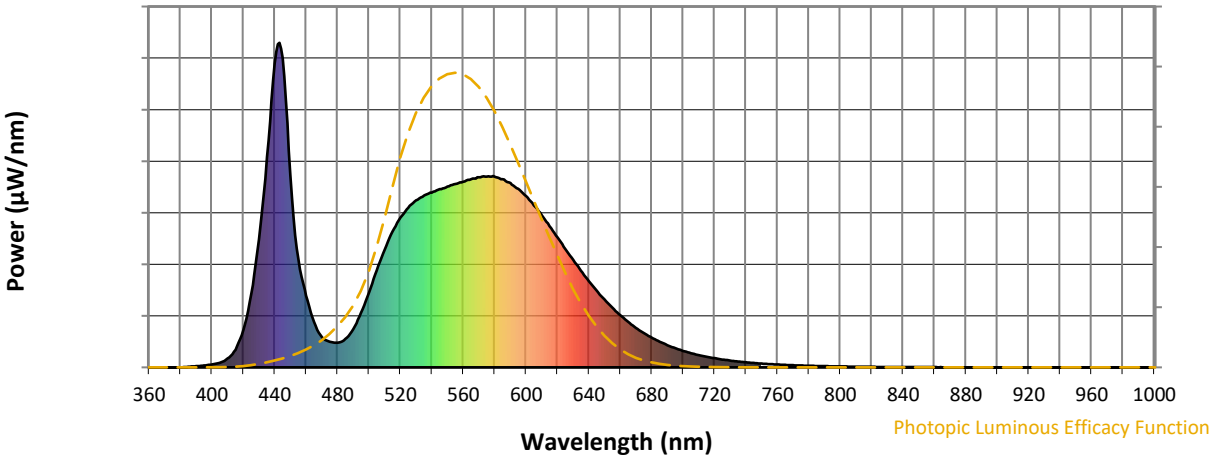


CCT = 4896K
CIE x = 0.3489
CIE y = 0.3618
Duv = 0.0035

Point lies inside the ANSI 5000K 4-step quadrangle

REPORT NUMBER: SP1-2407-184-6

Photopic Flux vs. Wavelength

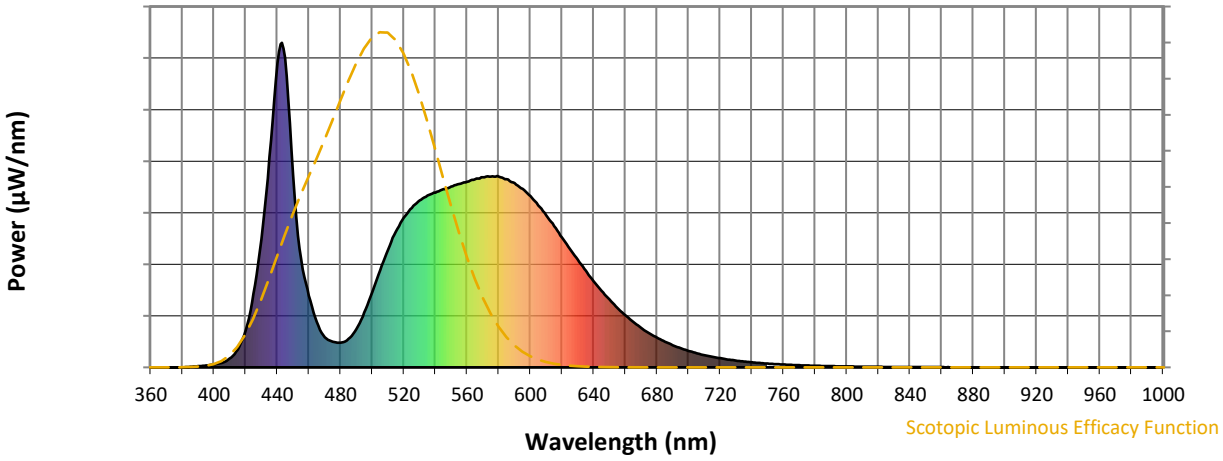


Photopic Lumens: NR

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

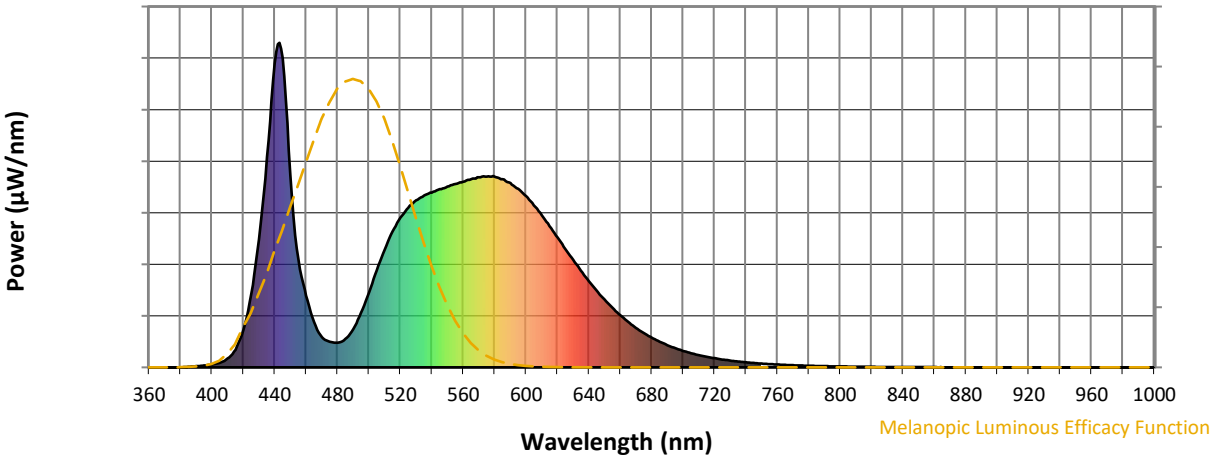


Scotopic Lumens: NR **S/P: 1.7**

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			

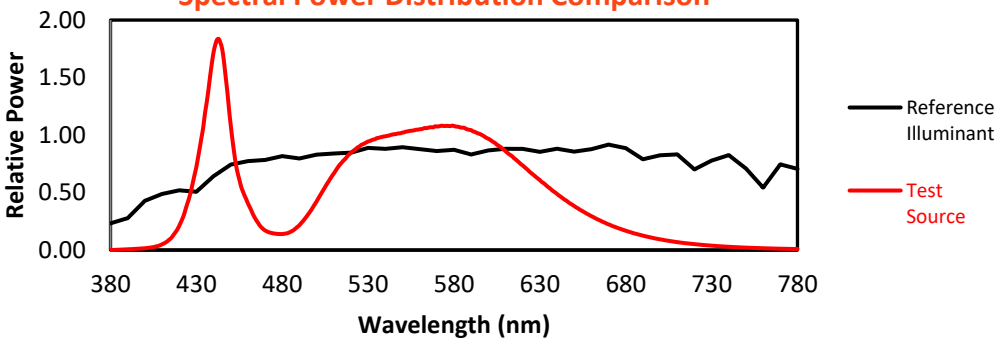
REPORT NUMBER: SP1-2407-184-6

TM-30-18

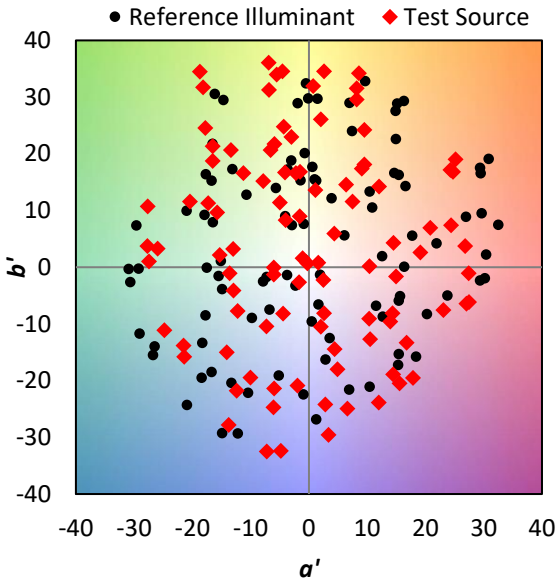
Summary

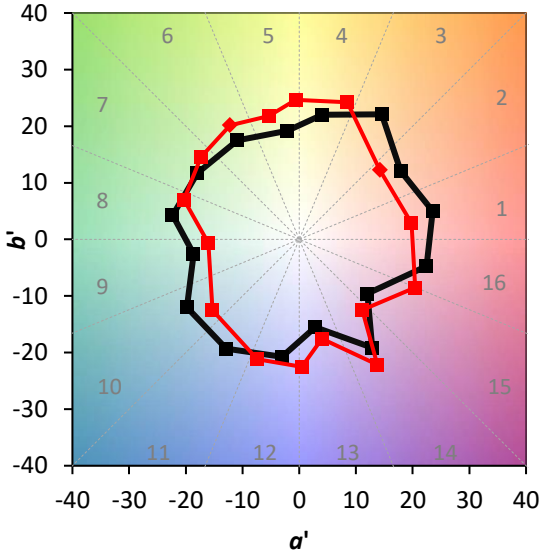
R_f = 70.7
R_g = 96.8
CIE R_a = 70.2
R_9 = -35.1

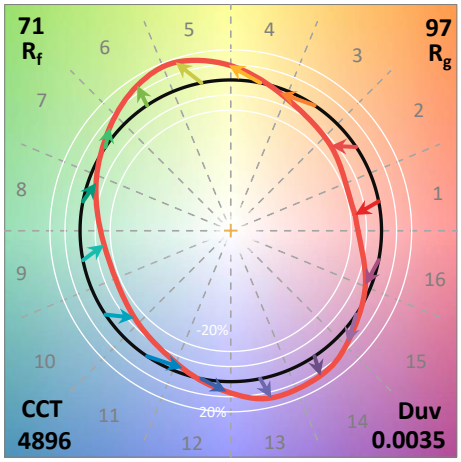
Spectral Power Distribution Comparison

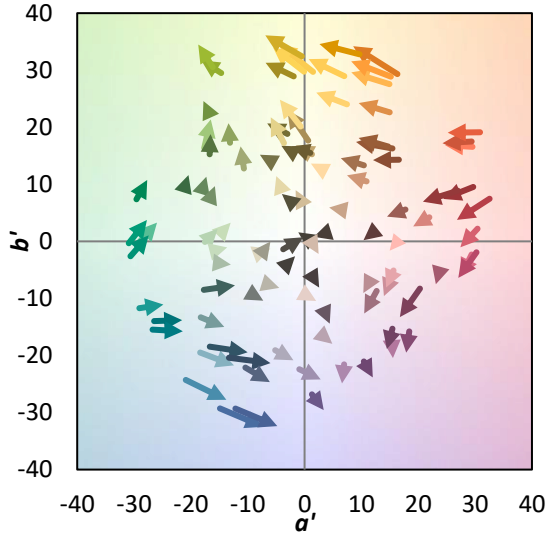


Color Vector Graphics







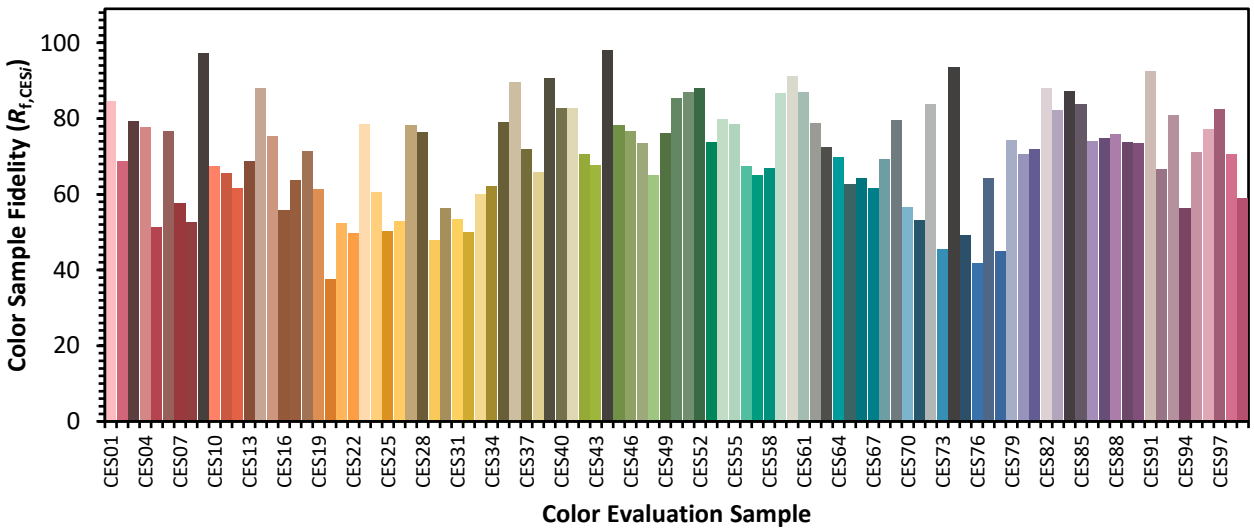


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Individual Sample Fidelity Index ($R_{f,i}$)

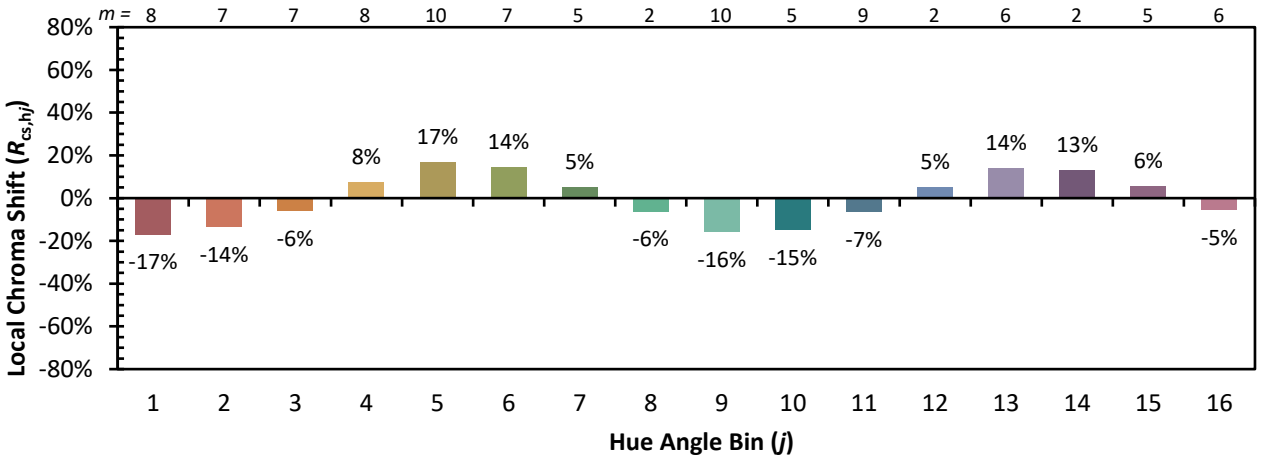
CES01 = 85	CES26 = 53	CES51 = 87	CES76 = 42
CES02 = 59	CES27 = 78	CES52 = 88	CES77 = 64
CES03 = 30	CES28 = 76	CES53 = 74	CES78 = 45
CES04 = 69	CES29 = 48	CES54 = 80	CES79 = 74
CES05 = 46	CES30 = 56	CES55 = 79	CES80 = 71
CES06 = 50	CES31 = 54	CES56 = 68	CES81 = 72
CES07 = 39	CES32 = 50	CES57 = 65	CES82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

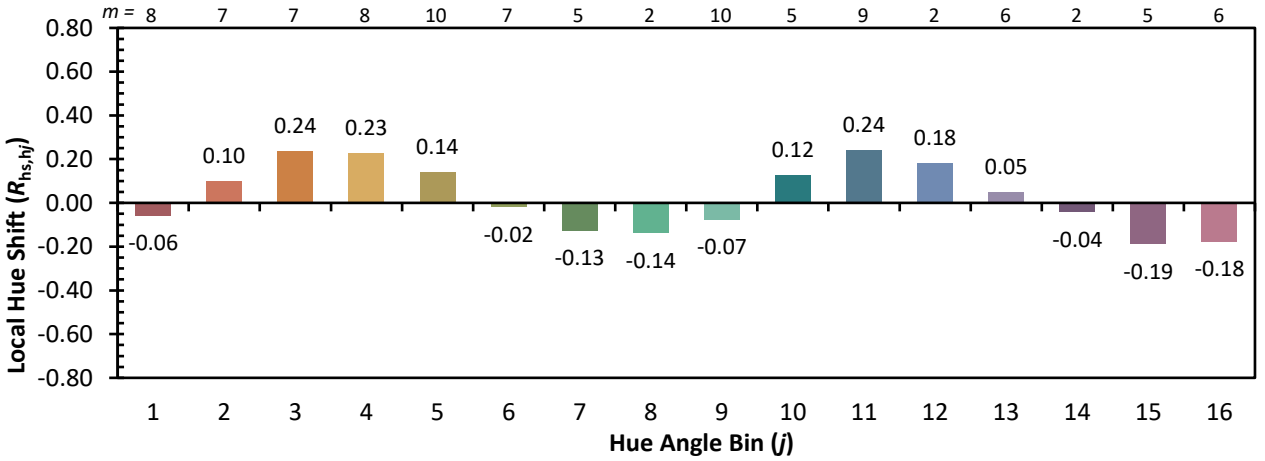


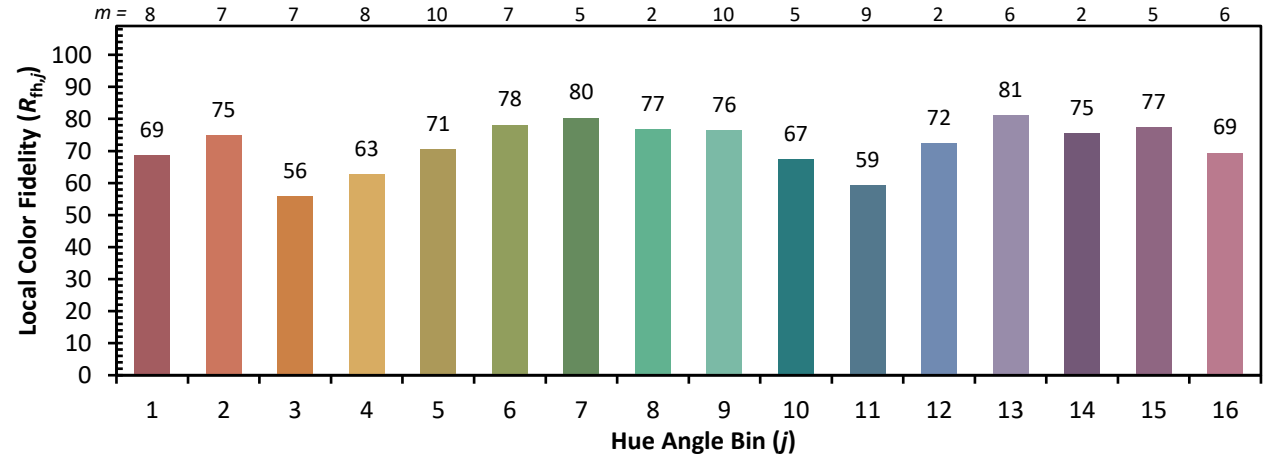
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Color Rendition by Hue-Angle Bin



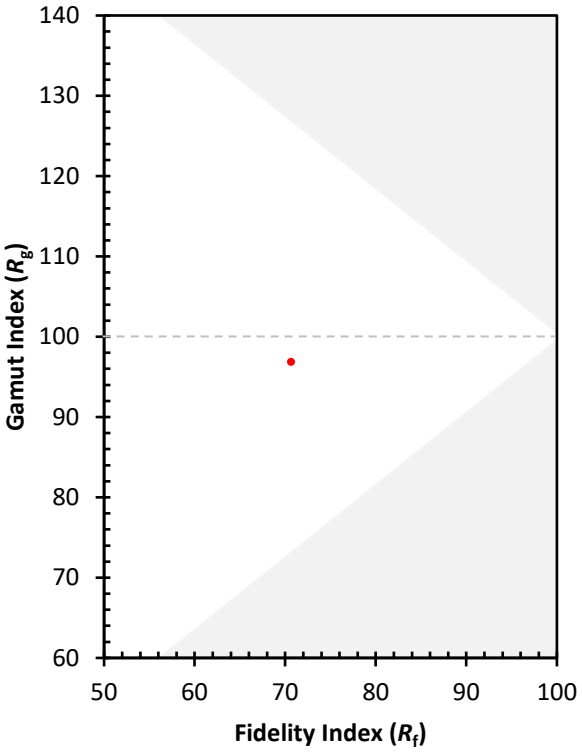


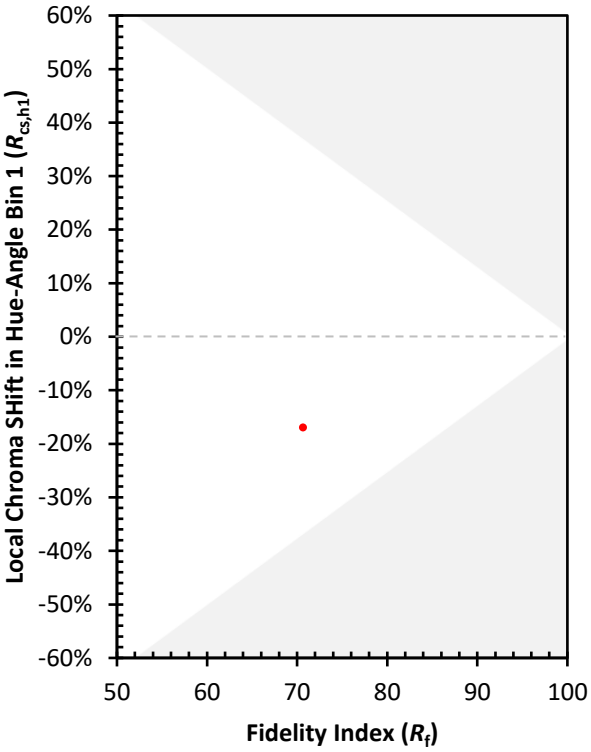


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Measure Comparisons





(END OF REPORT)