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: P1501935

Luminaire Tested: GSS-SB3C-835-U-T2LG-HSS

Issue Date: 07/20/2026

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Scaled Data Report

Test Information

Test Method:	LM-79-2024
Report Number:	P1501935
Test Lab:	INNOVATION CENTER(G1)
Issue Date:	7/20/2026
Manufacturer:	COOPER LIGHTING SOLUTIONS
Product Line:	McGRAW-EDISON
Catalog Number:	GSS-SB3C-835-U-T2LG-HSS
Description:	GALLEON II SLIM SITE HIGH DENSITY LED ARRAYS 3SQUARE 150W 80CRI 3500K FIXTURE w/ TYPE II LOW GLARE DISTRIBUTION FIXTURE W/ HOUSE SIDE SHIELD
Light Source:	(78) 3500K CCT, 80 CRI LEDS
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	15662.6 lumens
Efficiency:	N/A
Efficacy:	104.4 lumens/watt
Luminous Opening:	Rectangular (W 1.5' x L: 0.5' x H: 0')
IES Classification:	Type II - Short
BUG Rating:	B2 - U0 - G2

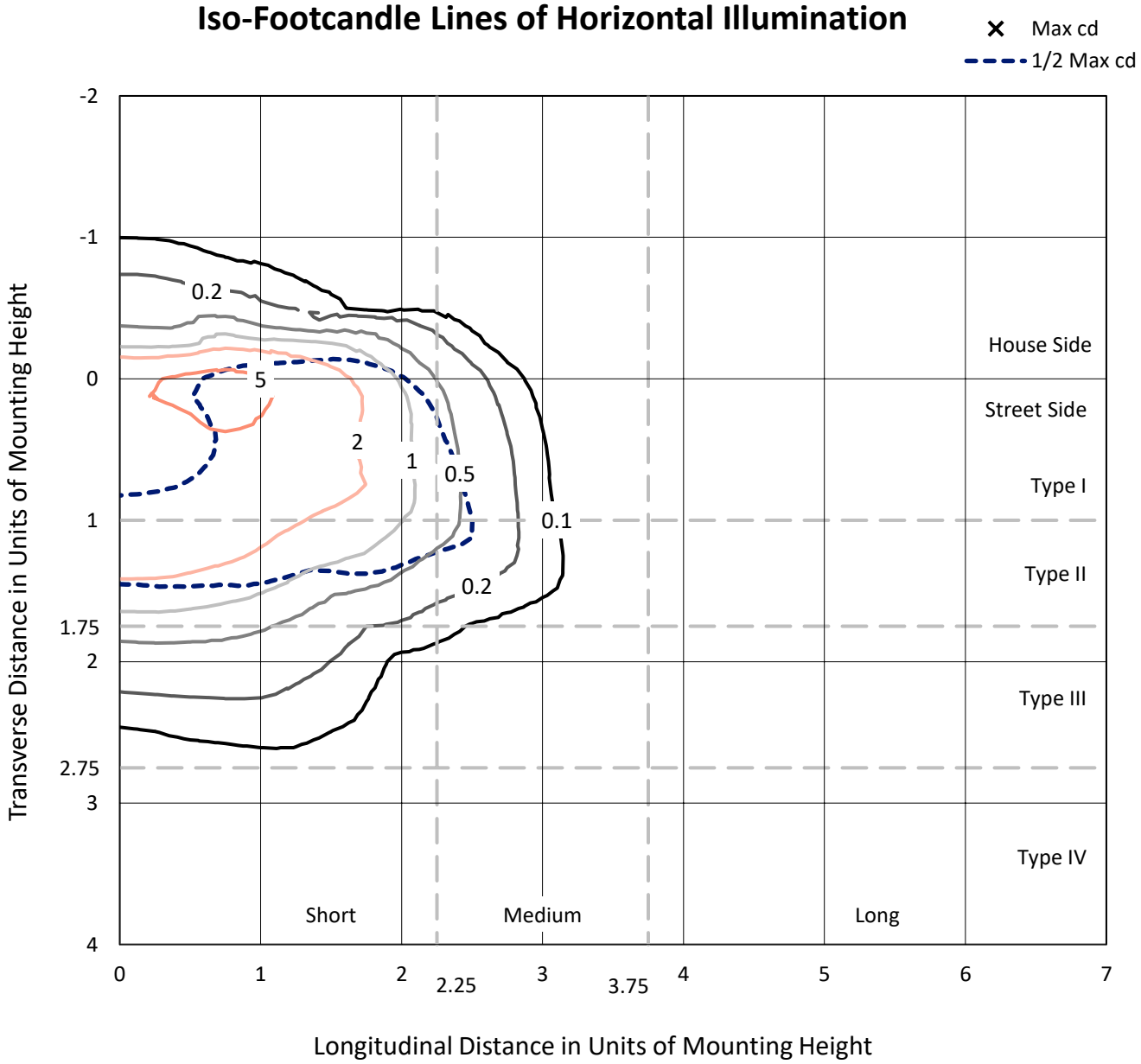
Input Watts (W):	150
Input Voltage (V):	120
Input Current (Ain):	NR
Voltage Rise (V):	NR
Power Factor:	0.98
Total Harmonic Distortion (THDi):	6.3%
Frequency (hertz):	60
Stabilization Time:	NR
Operation Time:	NR
Ambient Temperature (°C):	NR
Test Distance:	28.75 FT

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Iso-Footcandle Lines of Horizontal Illumination



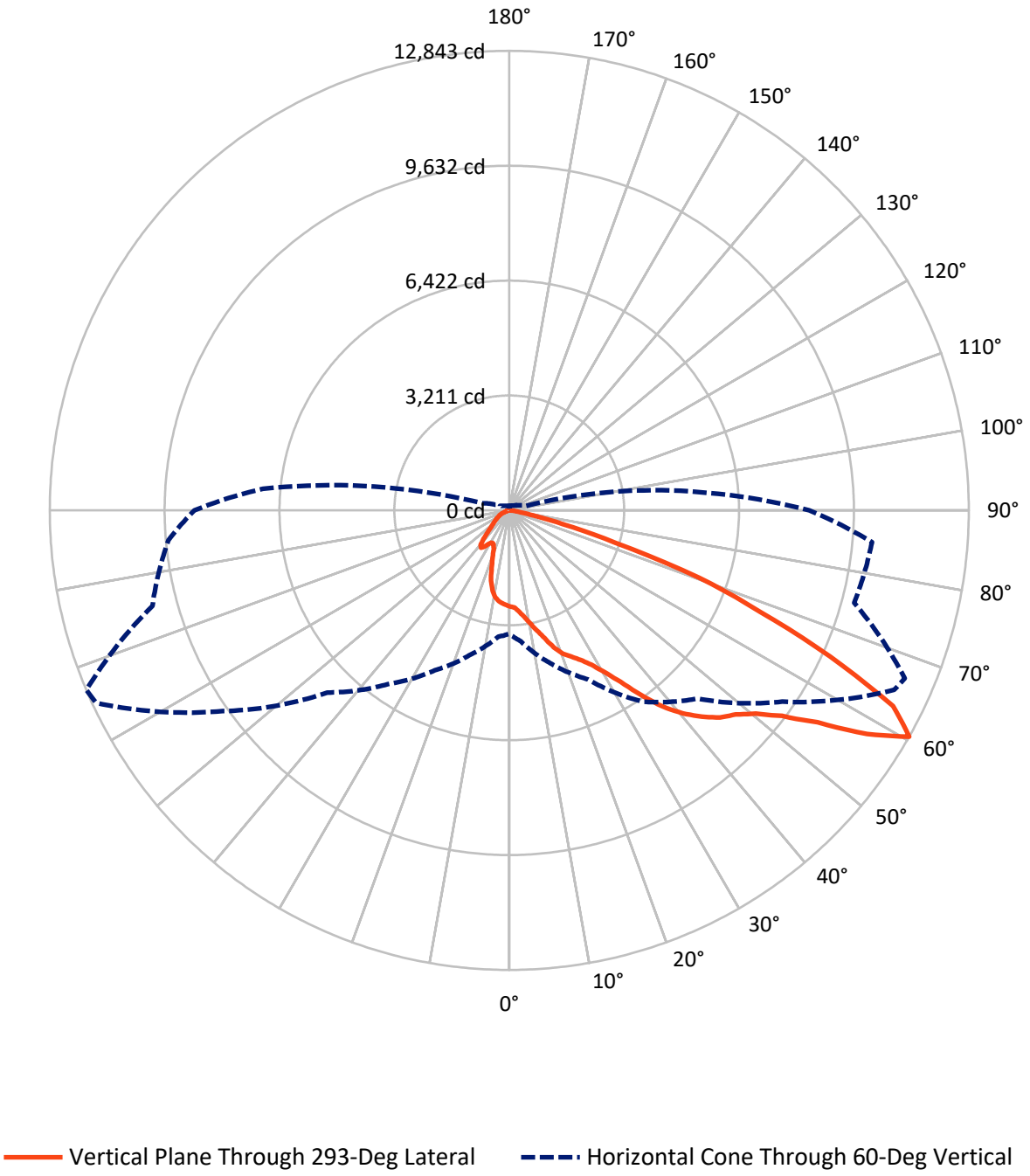
Based on 25 foot mounting height. Maximum calculated value = 7.1 fc
Type II - Short - N/A

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Luminous Intensity Polar Plot



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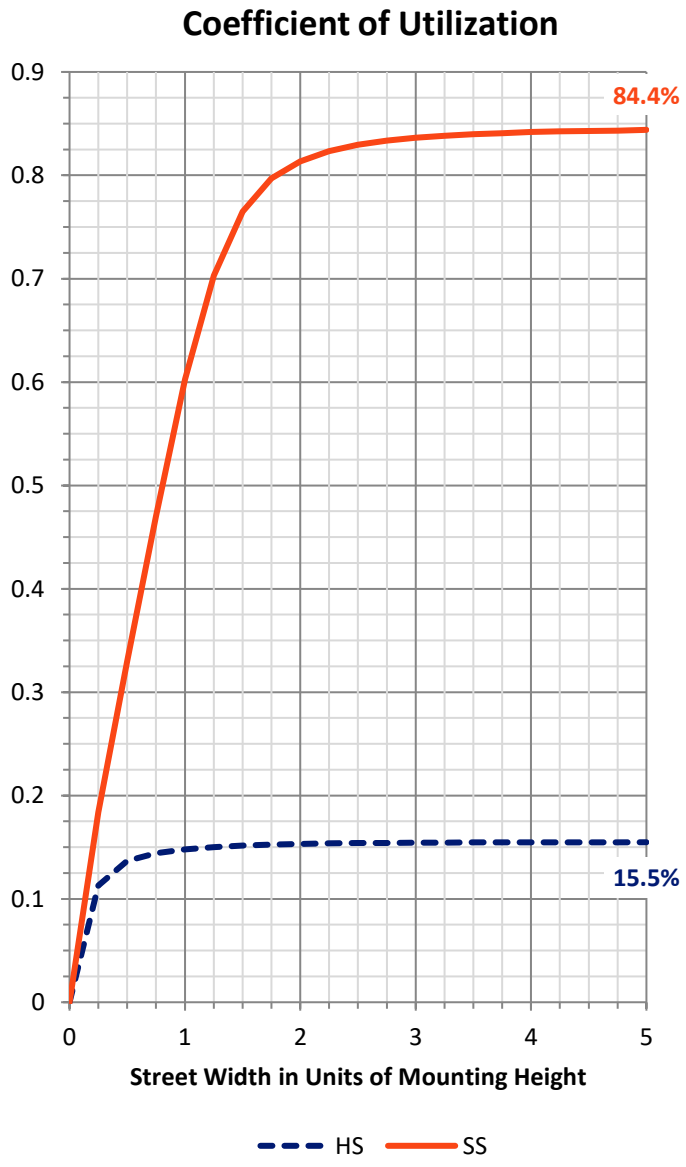
REPORT NUMBER: P1501935
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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2443.7	0.0	2443.7
	% Fixture	15.6	0.0	15.6
Street Side	Lumens	13218.8	0.0	13218.8
	% Fixture	84.4	0.0	84.4
Total	Lumens	15662.6	0.0	15662.6
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	243.0	1.6
10°-20°	612.2	3.9
20°-30°	1142.8	7.3
30°-40°	2266.3	14.5
40°-50°	3613.3	23.1
50°-60°	4317.0	27.6
60°-70°	2830.1	18.1
70°-80°	592.9	3.8
80°-90°	44.9	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°	15662.6	100.0
0°-180°	15662.6	100.0



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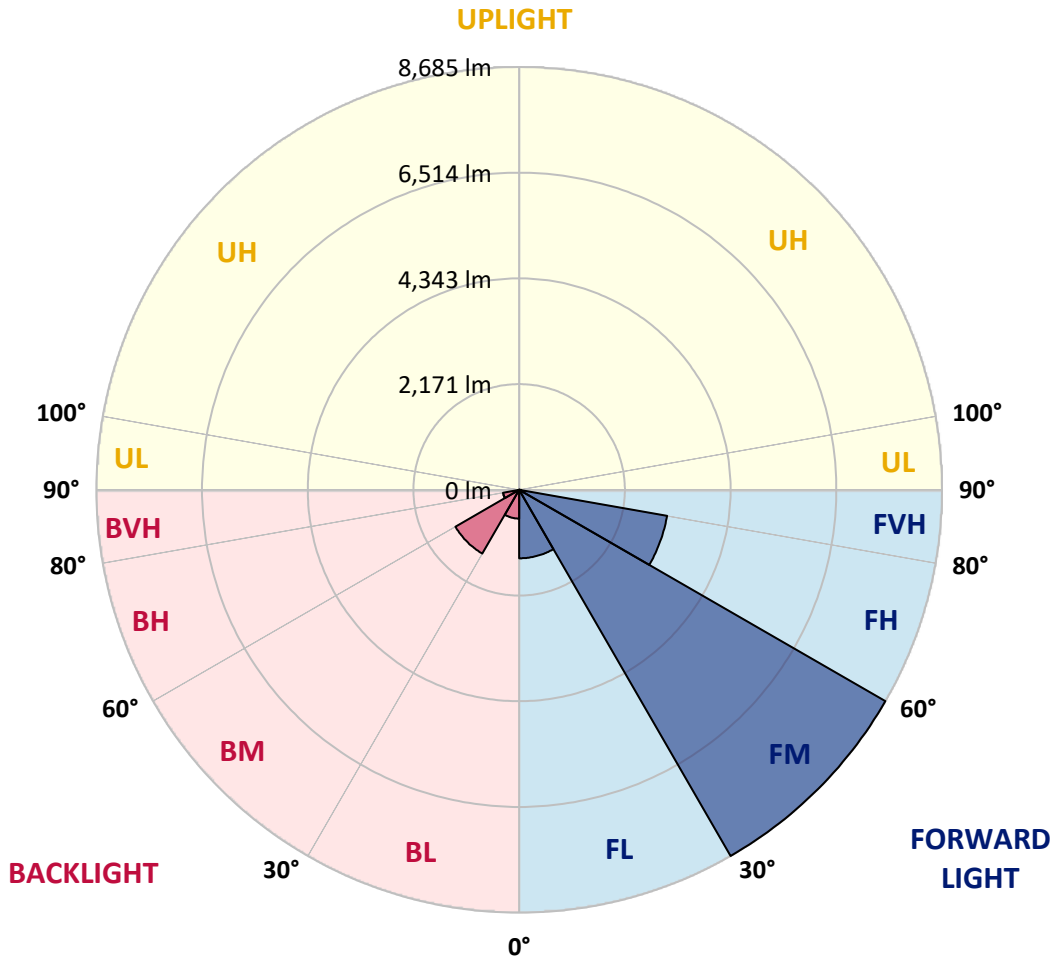
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	1406.8	9.0			
FM	(30°-60°)	8685.5	55.5			
FH	(60°-80°)	3085.4	19.7			G2/5000
FVH	(80°-90°)	41.1	0.3			G1/100
BL	(0°-30°)	591.2	3.8	B2/1000		
BM	(30°-60°)	1511.2	9.6	B2/2500		
BH	(60°-80°)	337.6	2.2	B1/500		G1/500
BVH	(80°-90°)	3.8	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°	2684.4	2684.4	2684.4	2684.4	2684.4	2684.4	2684.4	2684.4	2684.4	2684.4	2684.4
2.5°	2820.4	2811.6	2798.4	2802.8	2798.4	2780.9	2754.6	2732.7	2750.2	2723.9	2706.3
5°	2903.7	2903.7	2894.9	2894.9	2899.3	2890.6	2873.0	2842.3	2846.7	2824.8	2767.7
7.5°	2903.7	2890.6	2912.5	2934.4	2973.9	2995.8	3004.6	2987.1	2995.8	2952.0	2877.4
10°	2732.7	2723.9	2780.9	2864.2	2978.3	3079.2	3145.0	3149.3	3162.5	3118.6	3030.9
12.5°	2368.6	2351.0	2465.1	2623.0	2855.5	3087.9	3272.2	3342.3	3373.0	3355.5	3232.7
15°	2030.8	2052.8	2131.7	2302.8	2614.2	2969.5	3342.3	3574.8	3618.7	3640.6	3495.9
17.5°	1995.8	2000.1	2026.5	2109.8	2346.7	2776.5	3351.1	3816.1	3877.5	3974.0	3776.6
20°	2092.3	2083.5	2109.8	2136.1	2250.2	2605.5	3267.8	4048.5	4167.0	4373.1	4158.2
22.5°	2272.1	2272.1	2285.3	2302.8	2359.8	2592.3	3232.7	4263.5	4465.2	4886.3	4636.3
25°	2574.7	2539.7	2548.4	2526.5	2574.7	2750.2	3311.6	4434.5	4710.9	5456.5	5206.5
27.5°	3044.1	3057.2	2978.3	2859.9	2886.2	3035.3	3504.6	4627.5	4965.3	6048.7	5785.5
30°	3693.2	3671.3	3623.1	3390.6	3285.3	3416.9	3859.9	4943.3	5307.4	6798.7	6557.5
32.5°	4202.1	4263.5	4180.1	4017.8	3855.5	3895.0	4360.0	5452.1	5724.1	7487.4	7355.8
35°	4816.1	4816.1	4833.7	4605.6	4495.9	4487.2	4987.2	6004.8	6276.8	8110.2	8202.3
37.5°	5645.1	5588.1	5491.6	5237.2	5153.9	5263.5	5575.0	6575.0	6868.9	8614.7	8860.3
40°	6342.6	6382.0	6368.9	6000.4	5838.1	5956.6	6232.9	7061.9	7290.0	8939.2	9391.0
42.5°	7026.8	7048.8	6991.7	6816.3	6579.4	6588.2	6816.3	7430.4	7662.8	9250.7	9891.1
45°	7540.0	7535.6	7496.2	7452.3	7311.9	7167.2	7206.7	7838.3	8040.1	9351.5	10163.0
47.5°	7702.3	7737.4	7772.5	7895.3	7991.8	7763.7	7561.9	8057.6	8241.8	9334.0	10263.9
50°	7553.2	7627.7	7798.8	7983.0	8312.0	8294.5	7860.2	8294.5	8474.3	9430.5	10382.3
52.5°	7219.8	7294.4	7522.5	7855.8	8351.5	8597.1	8412.9	8693.6	8904.1	9676.1	10628.0
55°	6443.4	6474.1	6943.5	7382.1	8154.1	8465.5	9005.0	9369.1	9544.5	9974.4	10952.5
57.5°	5246.0	5320.6	5781.1	6496.1	7601.4	8119.0	9342.8	10522.7	10518.3	10259.5	11022.7
60°	*3452.0*	*3671.3*	*4421.4*	*5210.9*	*6531.2*	*7439.1*	*9320.8*	*11873.7*	*12009.6*	*9978.8*	*10176.2*
62.5°	2636.2	2728.3	3153.7	3811.7	4833.7	6167.1	9176.1	12277.2	12382.5	9224.3	8908.5
65°	1982.6	2096.6	2504.6	3092.3	3412.5	4180.1	8228.7	10671.8	10816.6	8233.0	6925.9
67.5°	1215.0	1307.1	1851.0	2539.7	2583.5	2596.7	5553.0	8083.9	8136.5	6640.8	4662.6
70°	811.5	903.6	1280.8	1951.9	2057.2	1495.7	3048.5	6118.9	6114.5	4544.2	2833.5
72.5°	469.3	513.2	811.5	1438.7	1618.5	951.8	1522.0	3890.6	3719.6	2136.1	1324.7
75°	267.6	298.3	447.4	925.5	1136.0	605.3	600.9	2083.5	1842.2	1101.0	723.7
77.5°	162.3	175.5	245.6	605.3	684.3	407.9	333.4	969.4	934.3	644.8	381.6
80°	79.0	92.1	149.1	355.3	438.6	219.3	201.8	381.6	407.9	355.3	201.8
82.5°	26.3	35.1	83.3	136.0	285.1	87.7	83.3	210.5	223.7	210.5	96.5
85°	13.2	17.5	39.5	43.9	109.7	43.9	30.7	92.1	114.0	70.2	39.5
87.5°	0.0	4.4	4.4	4.4	4.4	4.4	4.4	8.8	8.8	8.8	8.8
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°	2684.4	2684.4	2684.4	2684.4	2684.4	2684.4	2684.4	2684.4	2684.4	2684.4	2684.4
2.5°	2693.2	2684.4	2666.9	2636.2	2631.8	2609.8	2574.7	2552.8	2535.3	2548.4	2552.8
5°	2741.4	2719.5	2666.9	2583.5	2495.8	2408.1	2324.7	2228.2	2162.4	2153.7	2136.1
7.5°	2829.2	2785.3	2671.2	2509.0	2285.3	2074.7	1829.1	1592.2	1473.8	1456.2	1416.8
10°	2969.5	2894.9	2706.3	2377.4	1947.5	1508.9	1136.0	881.6	736.9	710.6	719.3
12.5°	3136.2	3030.9	2710.7	2153.7	1482.6	934.3	644.8	548.3	517.6	504.4	504.4
15°	3351.1	3197.6	2706.3	1864.2	1000.1	600.9	517.6	478.1	464.9	456.2	456.2
17.5°	3623.1	3421.3	2675.6	1429.9	675.5	522.0	473.7	443.0	425.5	421.1	421.1
20°	3943.3	3671.3	2605.5	1065.9	565.8	486.9	447.4	407.9	394.8	386.0	386.0
22.5°	4351.2	3974.0	2469.5	829.0	535.1	464.9	421.1	377.2	364.1	355.3	355.3
25°	4824.9	4360.0	2289.6	745.7	530.7	447.4	394.8	350.9	337.7	333.4	329.0
27.5°	5386.4	4772.3	2123.0	750.1	539.5	434.2	368.4	329.0	315.8	302.7	307.0
30°	6048.7	5197.7	1987.0	802.7	548.3	421.1	350.9	315.8	302.7	285.1	285.1
32.5°	6702.2	5697.8	1973.8	899.2	579.0	412.3	333.4	298.3	285.1	271.9	271.9
35°	7373.3	6154.0	2048.4	1026.4	640.4	399.2	311.4	280.7	267.6	258.8	254.4
37.5°	8013.7	6518.0	2118.6	1105.3	605.3	342.1	285.1	258.8	245.6	228.1	228.1
40°	8439.2	6715.4	2131.7	1043.9	500.0	307.0	258.8	232.5	214.9	206.2	201.8
42.5°	8750.6	6842.6	1982.6	846.6	434.2	280.7	236.9	210.5	197.4	188.6	188.6
45°	8877.8	6798.7	1728.2	644.8	399.2	258.8	214.9	193.0	184.2	175.5	175.5
47.5°	8860.3	6597.0	1469.4	517.6	364.1	236.9	201.8	184.2	175.5	166.7	162.3
50°	8829.6	6408.4	1206.2	460.6	324.6	223.7	188.6	175.5	162.3	153.5	149.1
52.5°	9031.4	6346.9	1000.1	421.1	302.7	214.9	184.2	166.7	153.5	144.7	144.7
55°	9233.1	6373.3	785.1	394.8	280.7	210.5	179.8	162.3	149.1	136.0	136.0
57.5°	9220.0	6259.2	596.5	368.4	263.2	206.2	175.5	157.9	136.0	127.2	127.2
60°	*8382.2*	*5583.7*	*464.9*	*337.7*	*241.2*	*193.0*	*162.3*	*149.1*	*127.2*	*114.0*	*114.0*
62.5°	7088.2	4390.7	381.6	298.3	214.9	175.5	149.1	136.0	114.0	92.1	92.1
65°	5237.2	3166.9	307.0	258.8	197.4	153.5	136.0	118.4	92.1	74.6	70.2
67.5°	3544.1	1947.5	245.6	214.9	175.5	131.6	114.0	100.9	83.3	61.4	57.0
70°	2101.0	1035.2	179.8	149.1	131.6	96.5	96.5	87.7	70.2	52.6	48.2
72.5°	1000.1	359.7	131.6	109.7	100.9	70.2	74.6	74.6	57.0	39.5	35.1
75°	508.8	175.5	87.7	79.0	65.8	52.6	61.4	57.0	39.5	26.3	26.3
77.5°	289.5	122.8	61.4	52.6	43.9	35.1	39.5	35.1	21.9	13.2	13.2
80°	162.3	87.7	39.5	35.1	26.3	21.9	21.9	17.5	13.2	4.4	4.4
82.5°	61.4	52.6	26.3	17.5	13.2	13.2	8.8	8.8	4.4	0.0	0.0
85°	26.3	13.2	13.2	8.8	8.8	4.4	4.4	4.4	0.0	0.0	0.0
87.5°	4.4	4.4	4.4	4.4	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°	2684.4	2684.4	2684.4	2684.4	2684.4	2684.4	2684.4	2684.4	2684.4	2684.4	2684.4
2.5°	2517.7	2526.5	2535.3	2570.4	2579.1	2605.5	2627.4	2653.7	2658.1	2693.2	2693.2
5°	2171.2	2166.8	2241.4	2351.0	2421.2	2517.7	2592.3	2671.2	2715.1	2772.1	2798.4
7.5°	1438.7	1548.4	1715.0	1908.0	2158.0	2390.5	2566.0	2719.5	2824.8	2890.6	2916.9
10°	715.0	776.4	951.8	1267.6	1693.1	2166.8	2539.7	2824.8	2995.8	3070.4	3118.6
12.5°	504.4	517.6	548.3	719.3	1127.3	1798.4	2456.3	2938.8	3175.7	3316.0	3377.4
15°	451.8	460.6	473.7	522.0	697.4	1342.2	2307.2	3066.0	3456.4	3618.7	3697.6
17.5°	416.7	421.1	434.2	473.7	548.3	912.3	2065.9	3202.0	3794.1	3991.5	4140.6
20°	386.0	386.0	399.2	447.4	508.8	701.8	1719.4	3355.5	4224.0	4509.1	4658.2
22.5°	350.9	359.7	368.4	421.1	495.6	640.4	1394.8	3473.9	4702.1	5048.6	5224.1
25°	324.6	333.4	342.1	394.8	482.5	640.4	1206.2	3548.5	5237.2	5649.5	5890.8
27.5°	302.7	311.4	324.6	377.2	469.3	666.7	1131.7	3570.4	5820.6	6355.7	6680.3
30°	285.1	293.9	307.0	364.1	478.1	697.4	1158.0	3539.7	6412.7	7083.8	7469.8
32.5°	267.6	276.3	289.5	350.9	478.1	736.9	1245.7	3478.3	6987.3	7812.0	8285.7
35°	254.4	258.8	263.2	315.8	434.2	732.5	1355.4	3416.9	7566.3	8531.3	9084.0
37.5°	228.1	232.5	241.2	271.9	346.5	666.7	1377.3	3342.3	8022.5	9136.6	9746.3
40°	201.8	210.5	219.3	250.0	289.5	539.5	1280.8	3184.4	8263.8	9601.6	10342.8
42.5°	184.2	188.6	197.4	228.1	267.6	429.9	1074.6	2908.1	8478.7	9917.4	10777.1
45°	171.1	175.5	184.2	206.2	250.0	372.8	846.6	2570.4	8496.2	10018.3	10987.6
47.5°	157.9	162.3	166.7	188.6	241.2	333.4	649.2	2263.3	8491.8	10149.9	11167.5
50°	149.1	153.5	162.3	179.8	228.1	298.3	535.1	2013.3	8676.1	10435.0	11531.5
52.5°	144.7	144.7	157.9	175.5	214.9	271.9	447.4	1789.6	8772.6	10715.7	11794.7
55°	136.0	140.4	149.1	166.7	201.8	258.8	381.6	1508.9	8816.4	10856.0	11843.0
57.5°	127.2	131.6	144.7	157.9	193.0	245.6	329.0	1127.3	8189.2	10123.5	11035.9
60°	*114.0*	*122.8*	*140.4*	*153.5*	*179.8*	*223.7*	*289.5*	*763.2*	*6908.4*	*8798.9*	*9562.1*
62.5°	92.1	109.7	127.2	136.0	162.3	188.6	245.6	508.8	5517.9	7281.2	8149.7
65°	70.2	92.1	105.3	118.4	136.0	157.9	206.2	346.5	3680.1	4899.5	5877.6
67.5°	61.4	79.0	87.7	96.5	114.0	136.0	166.7	241.2	2232.6	2943.2	3908.2
70°	48.2	65.8	74.6	70.2	87.7	105.3	118.4	162.3	1140.4	1596.6	2223.8
72.5°	35.1	52.6	57.0	57.0	52.6	74.6	87.7	114.0	495.6	776.4	1008.8
75°	26.3	35.1	39.5	35.1	30.7	48.2	61.4	74.6	324.6	464.9	587.8
77.5°	13.2	13.2	21.9	21.9	13.2	26.3	30.7	43.9	184.2	271.9	337.7
80°	4.4	0.0	0.0	4.4	0.0	8.8	13.2	21.9	96.5	144.7	210.5
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.4	48.2	43.9	109.7
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	8.8	26.3
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: P1501935
CATALOG NUMBER: GSS-SB3C-835-U-T2LG-HSS

CANDELA DISTRIBUTION (continued):

	285°	293°	295°	305°	315°	325°	335°	345°	355°	360°
0°	2684.4	2684.4	2684.4	2684.4	2684.4	2684.4	2684.4	2684.4	2684.4	2684.4
2.5°	2715.1	2715.1	2732.7	2759.0	2772.1	2780.9	2785.3	2794.1	2829.2	2820.4
5°	2829.2	2837.9	2851.1	2877.4	2908.1	2899.3	2899.3	2899.3	2921.3	2903.7
7.5°	2978.3	3004.6	3009.0	3039.7	3017.8	2973.9	2947.6	2908.1	2903.7	2903.7
10°	3219.5	3210.8	3210.8	3171.3	3092.3	2965.1	2851.1	2772.1	2728.3	2732.7
12.5°	3478.3	3443.2	3447.6	3302.9	3079.2	2798.4	2566.0	2394.9	2381.8	2368.6
15°	3798.5	3706.4	3688.9	3355.5	2881.8	2451.9	2223.8	2087.9	2044.0	2030.8
17.5°	4254.7	4022.2	3938.9	3263.4	2623.0	2237.0	2065.9	2004.5	2000.1	1995.8
20°	4737.2	4276.6	4118.7	3127.4	2535.3	2241.4	2114.2	2096.6	2087.9	2092.3
22.5°	5298.6	4438.9	4237.1	3149.3	2614.2	2386.1	2285.3	2272.1	2263.3	2272.1
25°	5877.6	4627.5	4377.5	3324.8	2851.1	2653.7	2535.3	2509.0	2535.3	2574.7
27.5°	6461.0	4881.9	4653.8	3671.3	3232.7	3017.8	2903.7	3000.2	3039.7	3044.1
30°	6978.6	5237.2	5026.7	4158.2	3666.9	3452.0	3473.9	3596.7	3645.0	3693.2
32.5°	7452.3	5710.9	5548.6	4710.9	4228.4	4101.2	4088.0	4180.1	4232.8	4202.1
35°	7930.4	6329.4	6171.5	5311.8	4917.0	4811.7	4702.1	4881.9	4864.4	4816.1
37.5°	8382.2	6952.3	6807.5	5956.6	5548.6	5364.4	5346.9	5509.2	5653.9	5645.1
40°	8706.8	7456.7	7281.2	6597.0	6211.0	6053.1	6145.2	6425.9	6390.8	6342.6
42.5°	9005.0	7886.5	7728.6	7158.4	6754.9	6825.1	6908.4	7097.0	7075.1	7026.8
45°	9145.4	8255.0	8119.0	7583.9	7386.5	7610.2	7605.8	7676.0	7557.6	7540.0
47.5°	9342.8	8518.2	8377.8	7965.5	8140.9	8233.0	7974.3	7899.7	7790.0	7702.3
50°	9706.8	8926.1	8785.7	8544.5	8693.6	8408.5	8092.7	7930.4	7706.7	7553.2
52.5°	10132.3	9544.5	9421.7	9325.2	8908.5	8320.8	7917.2	7623.4	7351.4	7219.8
55°	10667.4	10456.9	10369.2	9838.4	8715.5	7961.1	7487.4	6939.1	6566.3	6443.4
57.5°	10842.9	11794.7	11764.0	9921.8	8176.0	7307.5	6452.2	5710.9	5324.9	5246.0
60°	10325.3	12843.0	12733.4	9781.4	7197.9	5930.3	4930.2	4171.4	3544.1	3452.0
62.5°	9663.0	12040.3	12000.9	9075.2	5482.9	4250.3	3684.5	2973.9	2706.3	2636.2
65°	8276.9	9851.6	9869.1	7281.2	3469.5	3052.9	3026.5	2364.2	2035.2	1982.6
67.5°	6373.3	7557.6	7434.7	4579.3	2022.1	2443.2	2416.8	1728.2	1250.1	1215.0
70°	3724.0	5627.6	5430.2	2381.8	1337.8	2039.6	1859.8	1215.0	850.9	811.5
72.5°	1644.9	3096.7	3324.8	1048.3	943.1	1622.9	1342.2	745.7	478.1	469.3
75°	912.3	1535.2	1605.4	456.2	662.3	1153.6	811.5	416.7	271.9	267.6
77.5°	548.3	679.9	662.3	293.9	495.6	736.9	491.3	236.9	171.1	162.3
80°	307.0	311.4	263.2	214.9	293.9	412.3	276.3	149.1	79.0	79.0
82.5°	188.6	171.1	136.0	65.8	79.0	250.0	100.9	83.3	26.3	26.3
85°	79.0	52.6	35.1	13.2	30.7	65.8	35.1	39.5	13.2	13.2
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: SP1-2407-184-10

Test Date: 10/11/2024

Luminaire Tested: GSS-SB1A-835-U-5WQ

Data in this report applies to families of products including GSS-SB1A-835-U-5WQ

Report Generated By FNC07603 / LDUCLS01DT446
Version: v7.04

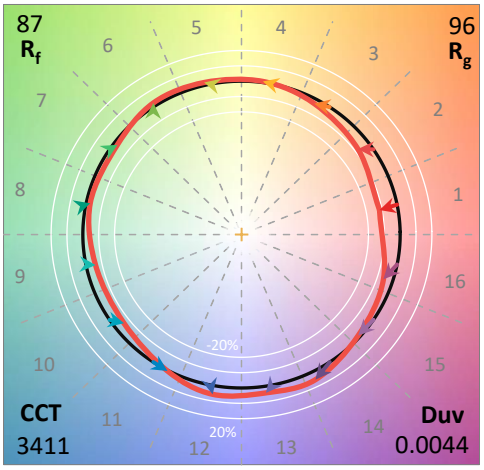
Test Information

Test Method:	LM-79-2019
Report Number:	SP1-2407-184-10
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-835-U-5WQ**
Description:	GALLEON II SITE SLIM 1SQ 350MA 5WQ HIGH DENSITY LIGHTSQUARE WITH 80 CRI 3500K CCT 26 LEDS

Spectral Parameters

CCT (K):	3411
CIE u':	0.2360
CIE v':	0.5189
Duv:	0.0044
CIE x:	0.4154
CIE y:	0.4059
CIE z:	0.1787
Peak Wavelength (nm):	601
Dominant Wavelength (nm):	579
Purity:	46.51914
Rf:	86.6
Rg:	95.9

CRI (Ra):	83.5
R1:	81.1
R2:	88.9
R3:	97.2
R4:	83.8
R5:	81.7
R6:	86.9
R7:	86.1
R8:	62.2
R9:	6.3
R10:	75.4
R11:	84.1
R12:	69.7
R13:	82.8
R14:	98.5
R15:	72.6



Test Conditions

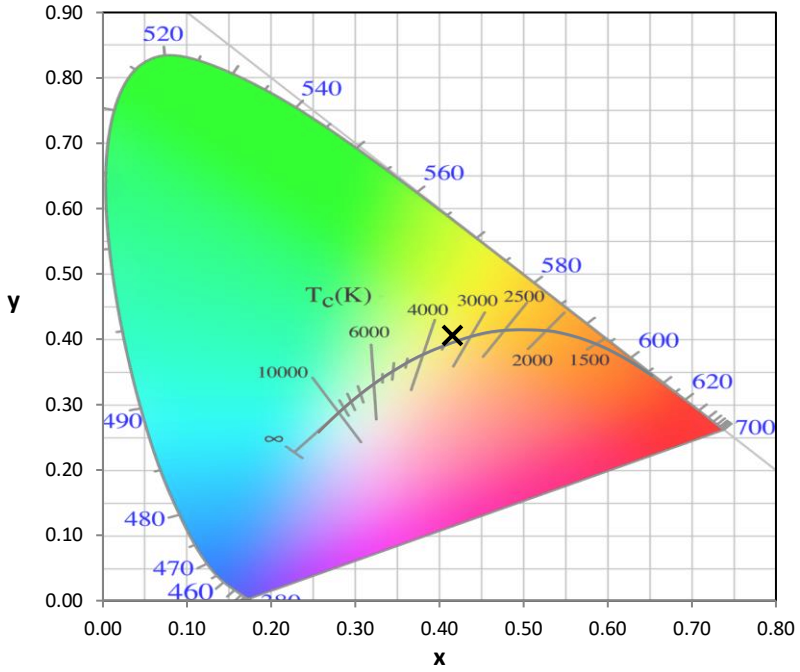
Stabilization Time:	35M
Operation Time:	1H 35M
Sphere Temperature (°C):	25.2

REPORT NUMBER: SP1-2407-184-10

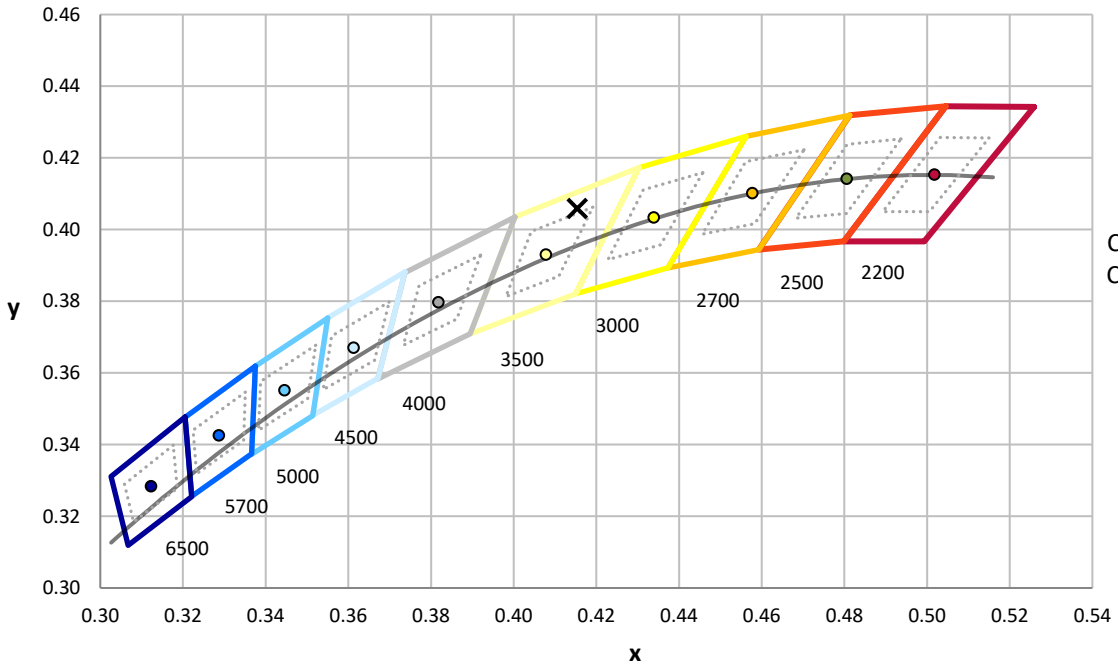
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

REPORT NUMBER: SP1-2407-184-10

CIE 1931 Chromaticity Diagram



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

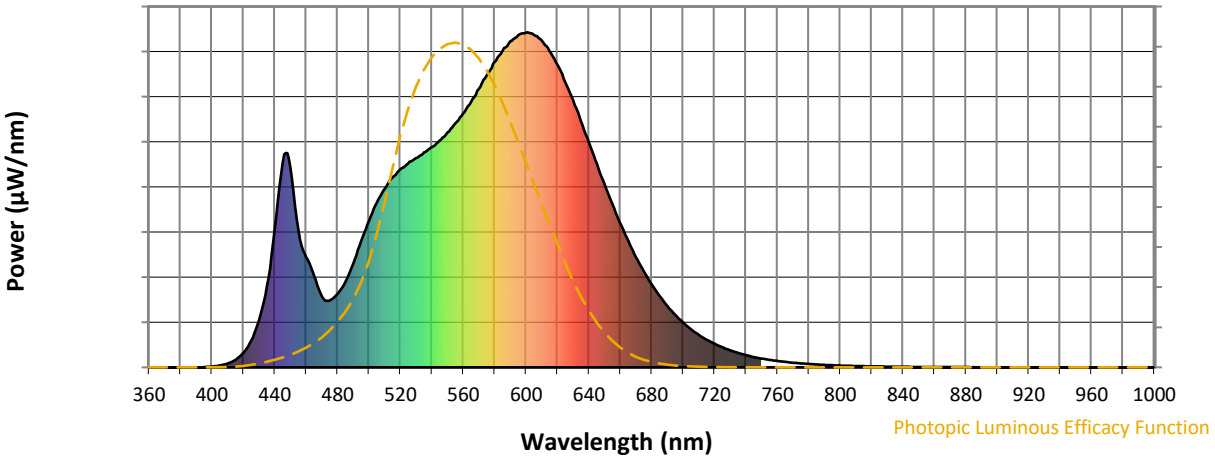


CCT = 3411K
CIE x = 0.4154
CIE y = 0.4059
Duv = 0.0044

Point lies inside the ANSI 3500K 7-step quadrangle

REPORT NUMBER: SP1-2407-184-10

Photopic Flux vs. Wavelength

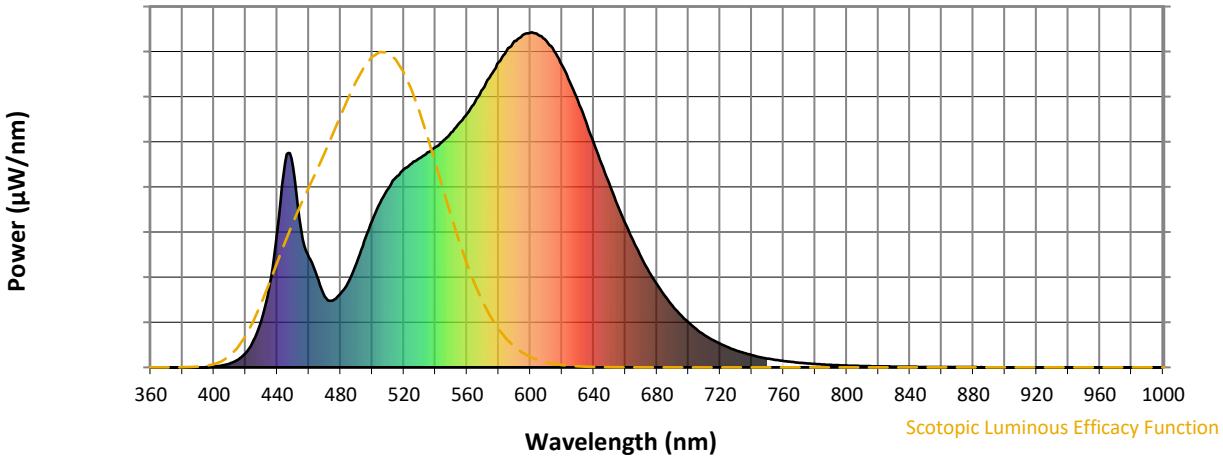


Photopic Lumens: NR

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	311	NR	620	903	NR	750	26	NR	880	1	NR
365	0	NR	495	376	NR	625	851	NR	755	22	NR	885	1	NR
370	0	NR	500	438	NR	630	797	NR	760	19	NR	890	0	NR
375	0	NR	505	491	NR	635	735	NR	765	16	NR	895	0	NR
380	0	NR	510	533	NR	640	672	NR	770	14	NR	900	0	NR
385	0	NR	515	566	NR	645	607	NR	775	12	NR	905	0	NR
390	0	NR	520	592	NR	650	546	NR	780	10	NR	910	0	NR
395	1	NR	525	608	NR	655	487	NR	785	9	NR	915	0	NR
400	3	NR	530	625	NR	660	429	NR	790	7	NR	920	0	NR
405	6	NR	535	642	NR	665	378	NR	795	6	NR	925	0	NR
410	12	NR	540	657	NR	670	329	NR	800	5	NR	930	0	NR
415	22	NR	545	677	NR	675	286	NR	805	5	NR	935	0	NR
420	43	NR	550	701	NR	680	248	NR	810	4	NR	940	0	NR
425	80	NR	555	728	NR	685	213	NR	815	3	NR	945	0	NR
430	140	NR	560	757	NR	690	184	NR	820	3	NR	950	0	NR
435	243	NR	565	793	NR	695	156	NR	825	3	NR	955	0	NR
440	412	NR	570	831	NR	700	134	NR	830	2	NR	960	0	NR
445	610	NR	575	872	NR	705	114	NR	835	2	NR	965	0	NR
450	597	NR	580	911	NR	710	97	NR	840	2	NR	970	0	NR
455	412	NR	585	944	NR	715	83	NR	845	1	NR	975	0	NR
460	330	NR	590	974	NR	720	70	NR	850	1	NR	980	0	NR
465	274	NR	595	992	NR	725	60	NR	855	1	NR	985	0	NR
470	211	NR	600	999	NR	730	51	NR	860	1	NR	990	0	NR
475	200	NR	605	992	NR	735	43	NR	865	1	NR	995	0	NR
480	220	NR	610	975	NR	740	36	NR	870	1	NR	1000	0	NR
485	255	NR	615	944	NR	745	31	NR	875	1	NR			

REPORT NUMBER: SP1-2407-184-10

Scotopic Flux vs. Wavelength

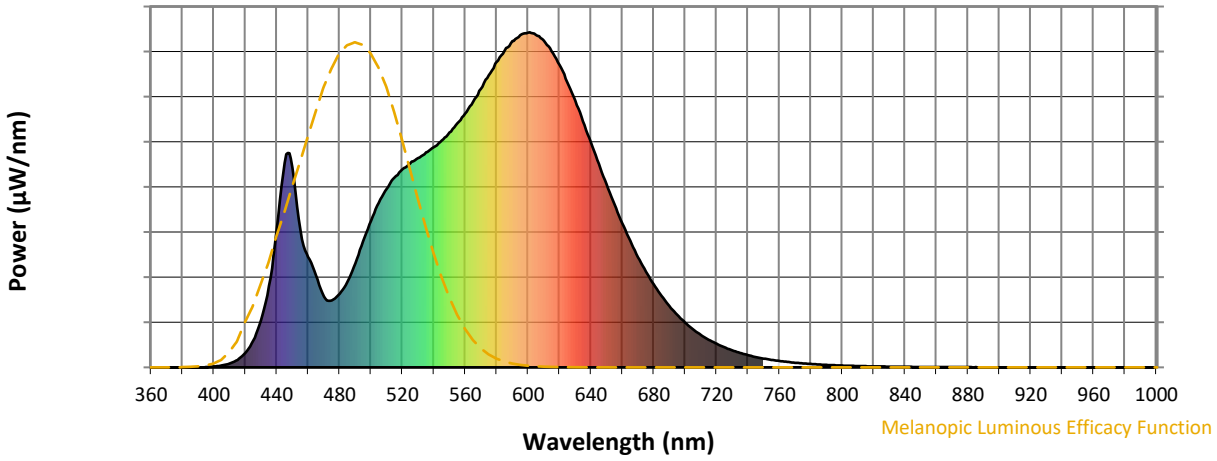


Scotopic Lumens: NR **S/P: 1.48**

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	311	NR	620	903	NR	750	26	NR	880	1	NR
365	0	NR	495	376	NR	625	851	NR	755	22	NR	885	1	NR
370	0	NR	500	438	NR	630	797	NR	760	19	NR	890	0	NR
375	0	NR	505	491	NR	635	735	NR	765	16	NR	895	0	NR
380	0	NR	510	533	NR	640	672	NR	770	14	NR	900	0	NR
385	0	NR	515	566	NR	645	607	NR	775	12	NR	905	0	NR
390	0	NR	520	592	NR	650	546	NR	780	10	NR	910	0	NR
395	1	NR	525	608	NR	655	487	NR	785	9	NR	915	0	NR
400	3	NR	530	625	NR	660	429	NR	790	7	NR	920	0	NR
405	6	NR	535	642	NR	665	378	NR	795	6	NR	925	0	NR
410	12	NR	540	657	NR	670	329	NR	800	5	NR	930	0	NR
415	22	NR	545	677	NR	675	286	NR	805	5	NR	935	0	NR
420	43	NR	550	701	NR	680	248	NR	810	4	NR	940	0	NR
425	80	NR	555	728	NR	685	213	NR	815	3	NR	945	0	NR
430	140	NR	560	757	NR	690	184	NR	820	3	NR	950	0	NR
435	243	NR	565	793	NR	695	156	NR	825	3	NR	955	0	NR
440	412	NR	570	831	NR	700	134	NR	830	2	NR	960	0	NR
445	610	NR	575	872	NR	705	114	NR	835	2	NR	965	0	NR
450	597	NR	580	911	NR	710	97	NR	840	2	NR	970	0	NR
455	412	NR	585	944	NR	715	83	NR	845	1	NR	975	0	NR
460	330	NR	590	974	NR	720	70	NR	850	1	NR	980	0	NR
465	274	NR	595	992	NR	725	60	NR	855	1	NR	985	0	NR
470	211	NR	600	999	NR	730	51	NR	860	1	NR	990	0	NR
475	200	NR	605	992	NR	735	43	NR	865	1	NR	995	0	NR
480	220	NR	610	975	NR	740	36	NR	870	1	NR	1000	0	NR
485	255	NR	615	944	NR	745	31	NR	875	1	NR			

REPORT NUMBER: SP1-2407-184-10

Melanopic Flux vs. Wavelength



Melanopic Lumens: NR **M/P: 2.88**

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	311	NR	620	903	NR	750	26	NR	880	1	NR
365	0	NR	495	376	NR	625	851	NR	755	22	NR	885	1	NR
370	0	NR	500	438	NR	630	797	NR	760	19	NR	890	0	NR
375	0	NR	505	491	NR	635	735	NR	765	16	NR	895	0	NR
380	0	NR	510	533	NR	640	672	NR	770	14	NR	900	0	NR
385	0	NR	515	566	NR	645	607	NR	775	12	NR	905	0	NR
390	0	NR	520	592	NR	650	546	NR	780	10	NR	910	0	NR
395	1	NR	525	608	NR	655	487	NR	785	9	NR	915	0	NR
400	3	NR	530	625	NR	660	429	NR	790	7	NR	920	0	NR
405	6	NR	535	642	NR	665	378	NR	795	6	NR	925	0	NR
410	12	NR	540	657	NR	670	329	NR	800	5	NR	930	0	NR
415	22	NR	545	677	NR	675	286	NR	805	5	NR	935	0	NR
420	43	NR	550	701	NR	680	248	NR	810	4	NR	940	0	NR
425	80	NR	555	728	NR	685	213	NR	815	3	NR	945	0	NR
430	140	NR	560	757	NR	690	184	NR	820	3	NR	950	0	NR
435	243	NR	565	793	NR	695	156	NR	825	3	NR	955	0	NR
440	412	NR	570	831	NR	700	134	NR	830	2	NR	960	0	NR
445	610	NR	575	872	NR	705	114	NR	835	2	NR	965	0	NR
450	597	NR	580	911	NR	710	97	NR	840	2	NR	970	0	NR
455	412	NR	585	944	NR	715	83	NR	845	1	NR	975	0	NR
460	330	NR	590	974	NR	720	70	NR	850	1	NR	980	0	NR
465	274	NR	595	992	NR	725	60	NR	855	1	NR	985	0	NR
470	211	NR	600	999	NR	730	51	NR	860	1	NR	990	0	NR
475	200	NR	605	992	NR	735	43	NR	865	1	NR	995	0	NR
480	220	NR	610	975	NR	740	36	NR	870	1	NR	1000	0	NR
485	255	NR	615	944	NR	745	31	NR	875	1	NR			

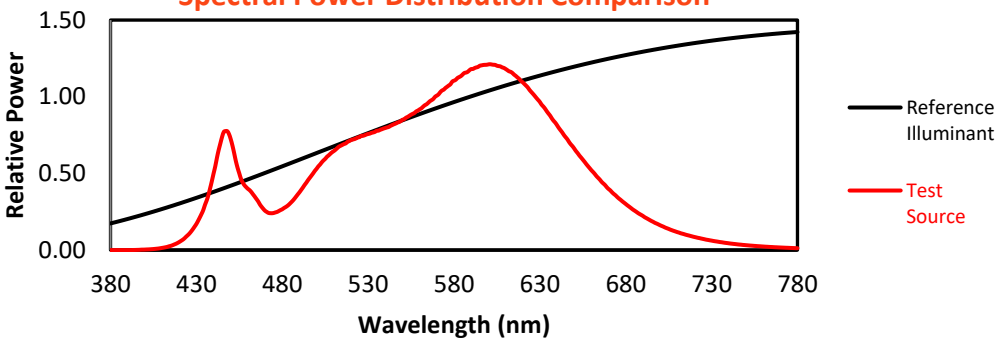
REPORT NUMBER: SP1-2407-184-10

TM-30-18

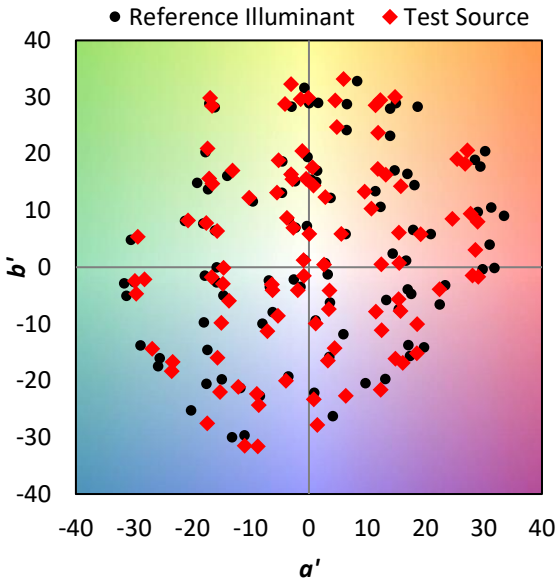
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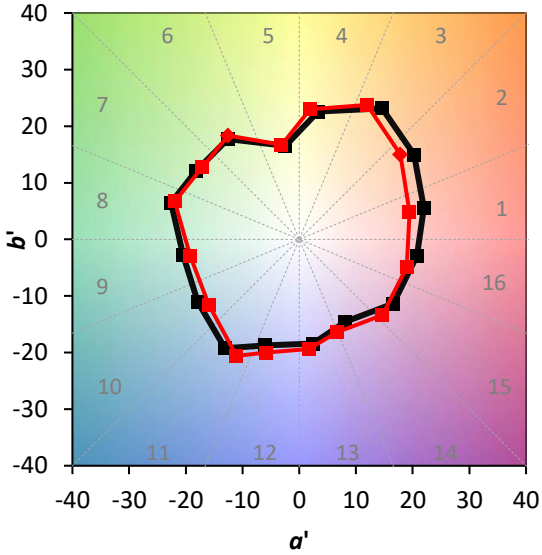
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R_g = 95.9
CIE R_a = 83.5
R_9 = 6.3

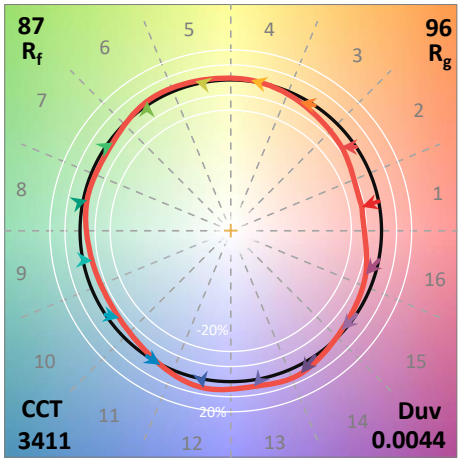
Spectral Power Distribution Comparison

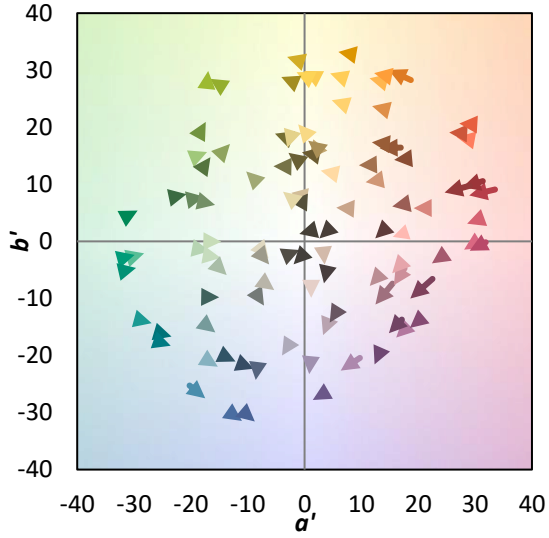


Color Vector Graphics







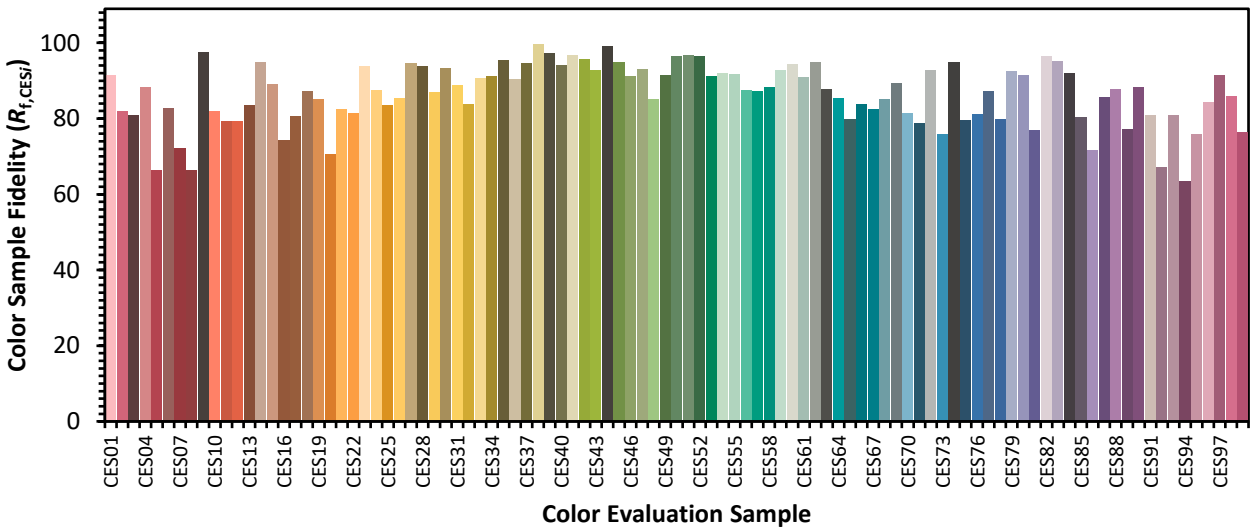


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Individual Sample Fidelity Index ($R_{f,i}$)

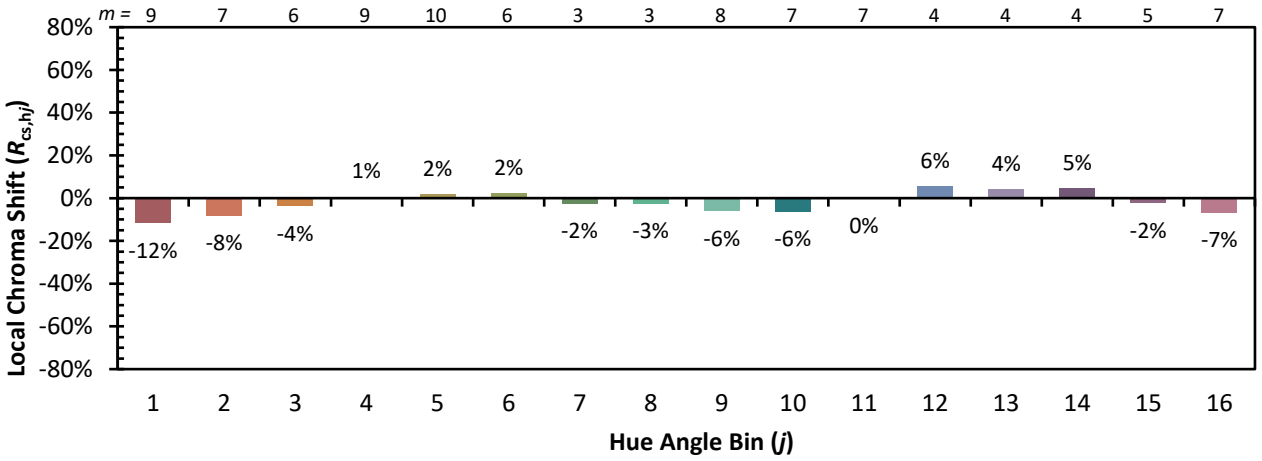
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CES02 = 62	CES27 = 95	CES52 = 96	CES77 = 87
CES03 = 31	CES28 = 94	CES53 = 91	CES78 = 80
CES04 = 70	CES29 = 87	CES54 = 92	CES79 = 93
CES05 = 49	CES30 = 93	CES55 = 92	CES80 = 91
CES06 = 51	CES31 = 89	CES56 = 88	CES81 = 77
CES07 = 41	CES32 = 84	CES57 = 87	CES82 = 96
CES08 = 40	CES33 = 91	CES58 = 88	CES83 = 95
CES09 = 29	CES34 = 91	CES59 = 93	CES84 = 92
CES10 = 75	CES35 = 95	CES60 = 94	CES85 = 80
CES11 = 58	CES36 = 90	CES61 = 91	CES86 = 72
CES12 = 64	CES37 = 95	CES62 = 95	CES87 = 86
CES13 = 43	CES38 = 100	CES63 = 88	CES88 = 88
CES14 = 74	CES39 = 97	CES64 = 85	CES89 = 77
CES15 = 71	CES40 = 94	CES65 = 80	CES90 = 88
CES16 = 47	CES41 = 97	CES66 = 84	CES91 = 81
CES17 = 49	CES42 = 96	CES67 = 82	CES92 = 67
CES18 = 56	CES43 = 93	CES68 = 85	CES93 = 81
CES19 = 72	CES44 = 99	CES69 = 89	CES94 = 63
CES20 = 66	CES45 = 95	CES70 = 81	CES95 = 76
CES21 = 86	CES46 = 91	CES71 = 79	CES96 = 84
CES22 = 78	CES47 = 93	CES72 = 93	CES97 = 92
CES23 = 91	CES48 = 85	CES73 = 76	CES98 = 86
CES24 = 90	CES49 = 92	CES74 = 95	CES99 = 77
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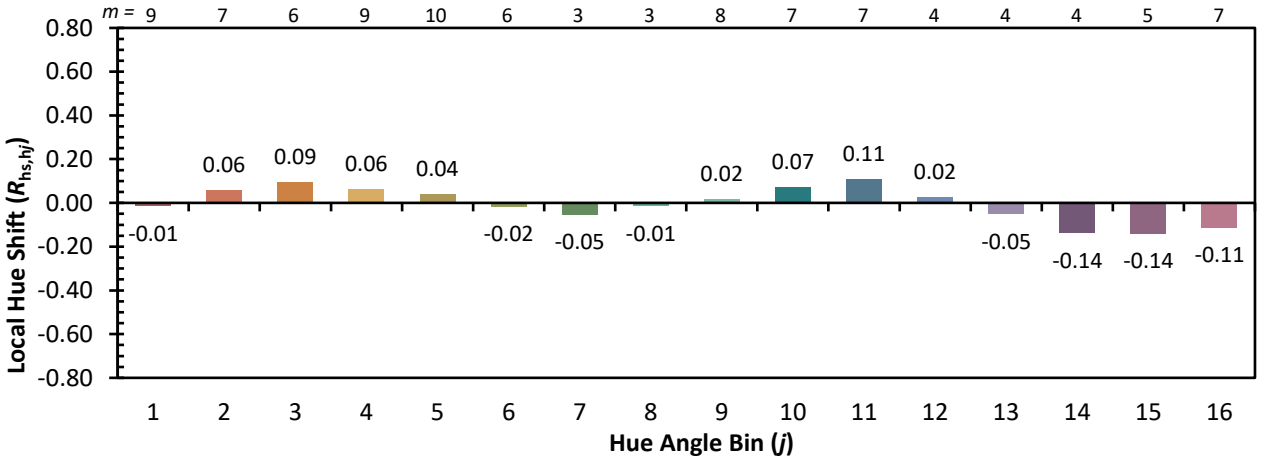


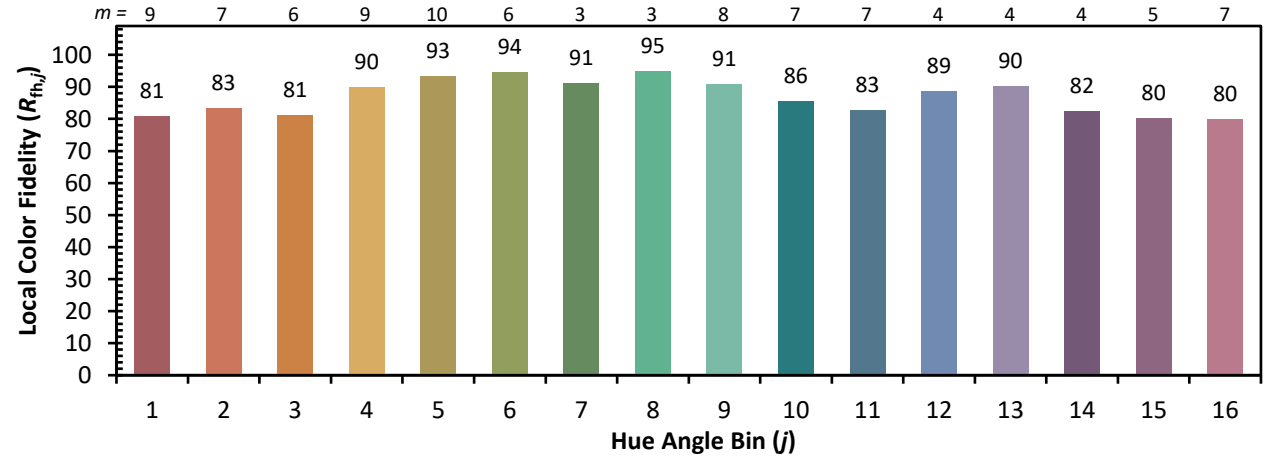
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Color Rendition by Hue-Angle Bin



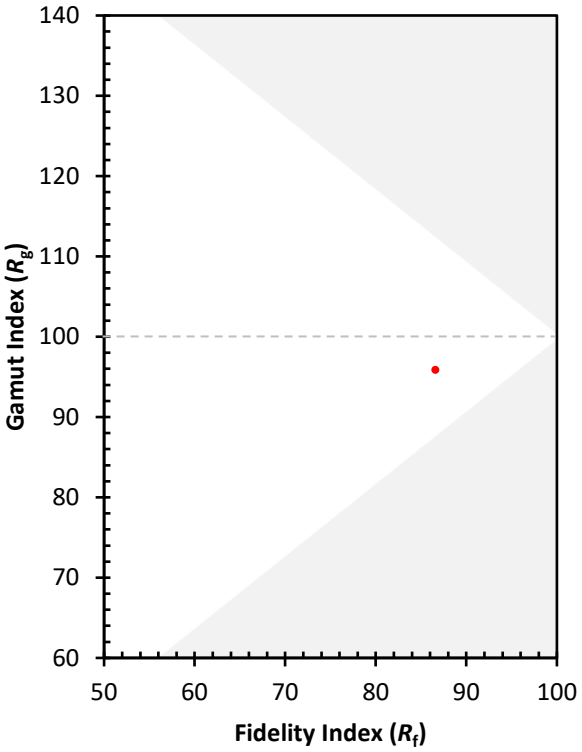


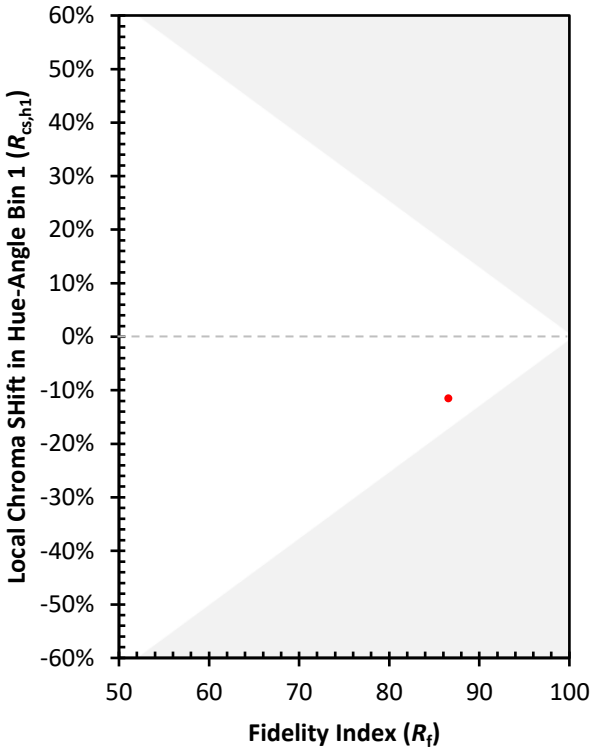


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Measure Comparisons





(END OF REPORT)