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: P1501921

Luminaire Tested: GSS-SB6A-830-U-T2LG-HSS

Issue Date: 07/20/2026

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Scaled Data Report

Test Information

Test Method:	LM-79-2024
Report Number:	P1501921
Test Lab:	INNOVATION CENTER(G1)
Issue Date:	7/20/2026
Manufacturer:	COOPER LIGHTING SOLUTIONS
Product Line:	McGRAW-EDISON
Catalog Number:	GSS-SB6A-830-U-T2LG-HSS
Description:	GALLEON II SLIM SITE HIGH DENSITY LED ARRAYS 6SQUARE 170W 80CRI 3000K FIXTURE w/ TYPE II LOW GLARE DISTRIBUTION FIXTURE W/ HOUSE SIDE SHIELD
Light Source:	(156) 3000K CCT, 80 CRI LEDS
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	19030.6 lumens
Efficiency:	N/A
Efficacy:	111.9 lumens/watt
Luminous Opening:	Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification:	Type II - Short
BUG Rating:	B2 - U0 - G2

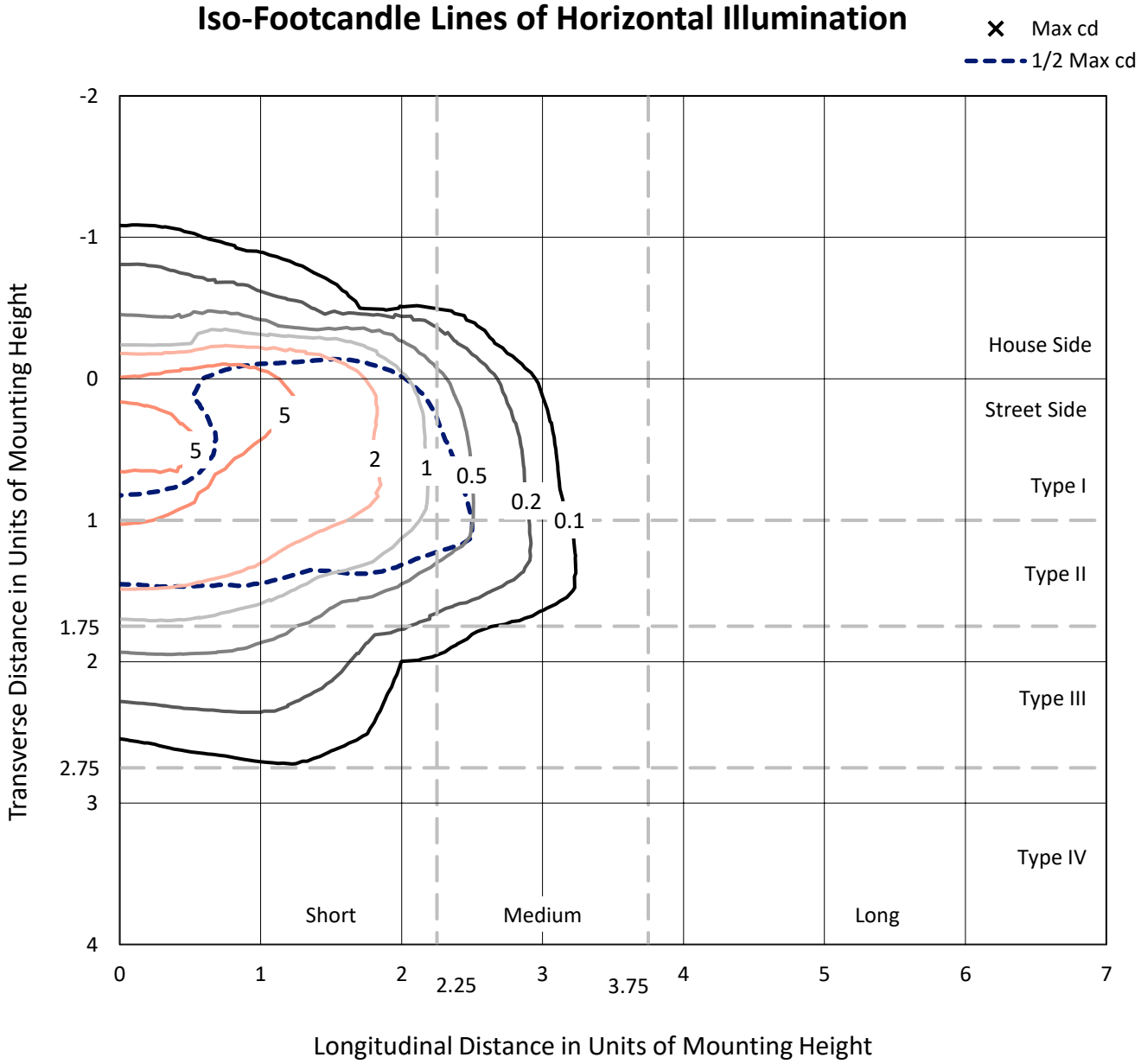
Input Watts (W):	170
Input Voltage (V):	120
Input Current (Ain):	NR
Voltage Rise (V):	NR
Power Factor:	0.98
Total Harmonic Distortion (THDi):	12.0%
Frequency (hertz):	60
Stabilization Time:	NR
Operation Time:	NR
Ambient Temperature (°C):	NR
Test Distance:	28.75 FT

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Iso-Footcandle Lines of Horizontal Illumination



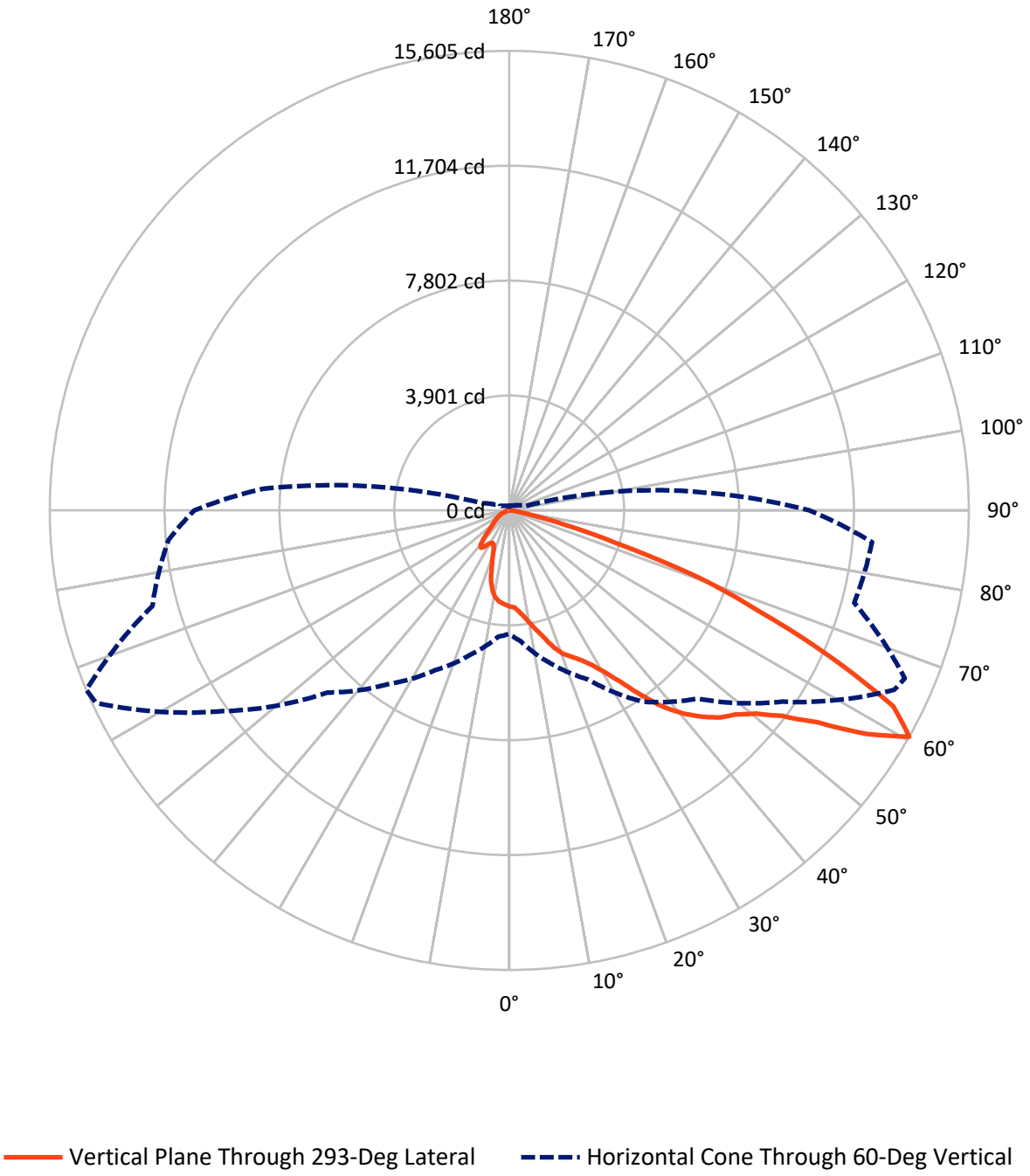
Based on 25 foot mounting height. Maximum calculated value = 8.7 fc
Type II - Short - N/A

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Luminous Intensity Polar Plot



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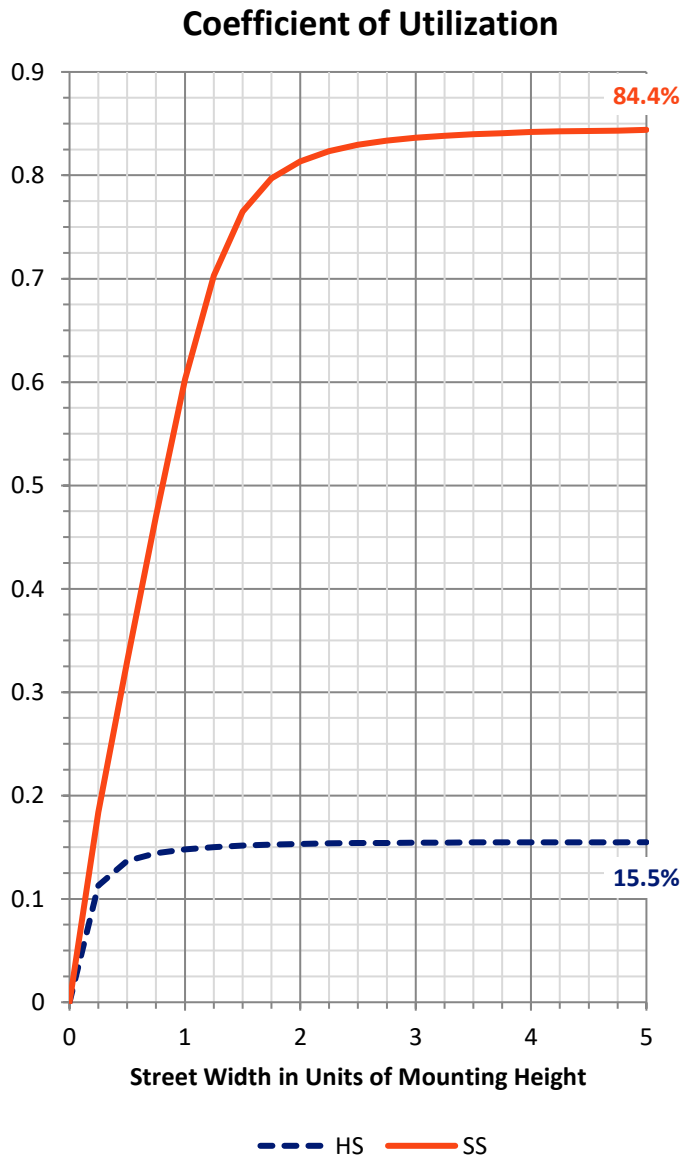
REPORT NUMBER: P1501921
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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2969.2	0.0	2969.2
	% Fixture	15.6	0.0	15.6
Street Side	Lumens	16061.3	0.0	16061.3
	% Fixture	84.4	0.0	84.4
Total	Lumens	19030.6	0.0	19030.6
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	295.3	1.6
10°-20°	743.8	3.9
20°-30°	1388.6	7.3
30°-40°	2753.6	14.5
40°-50°	4390.3	23.1
50°-60°	5245.3	27.6
60°-70°	3438.6	18.1
70°-80°	720.4	3.8
80°-90°	54.5	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°	19030.6	100.0
0°-180°	19030.6	100.0



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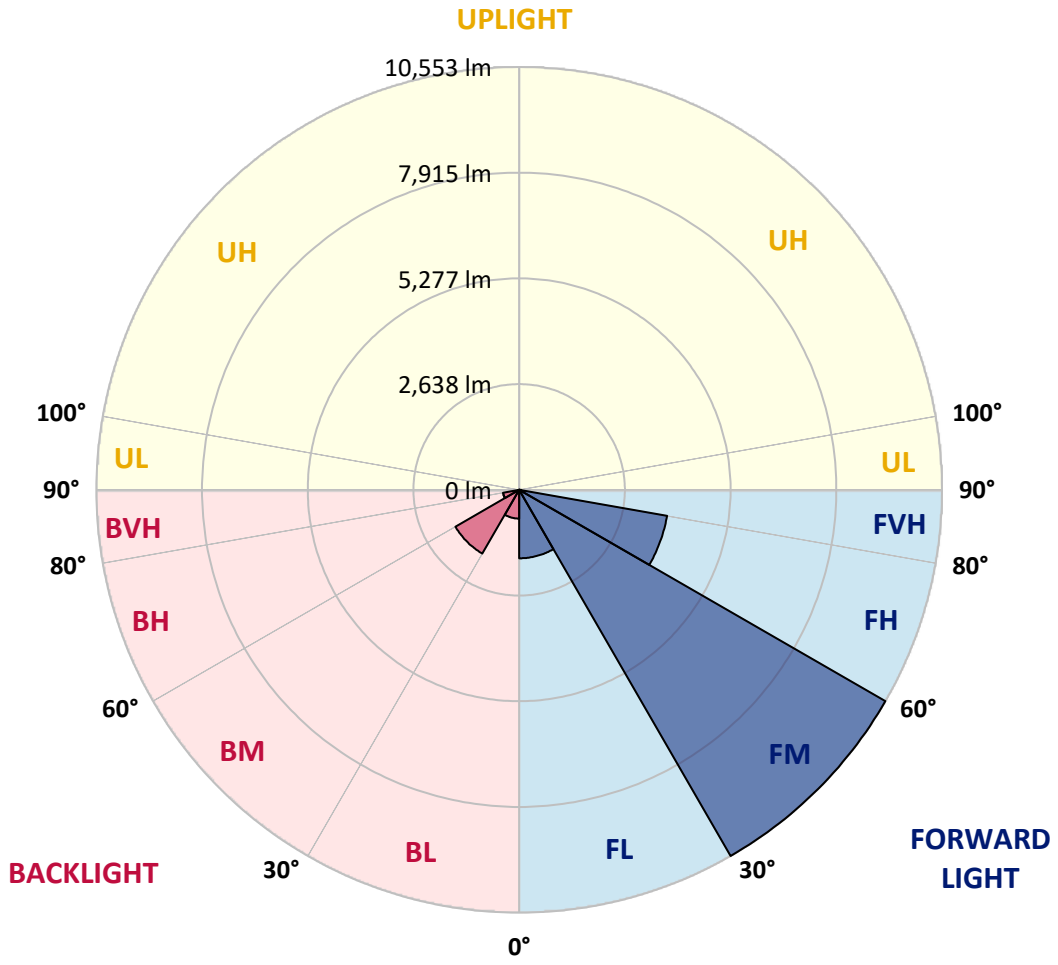
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	1709.3	9.0			
FM	(30°-60°)	10553.2	55.5			
FH	(60°-80°)	3748.9	19.7			G2/5000
FVH	(80°-90°)	49.9	0.3			G1/100
BL	(0°-30°)	718.3	3.8	B2/1000		
BM	(30°-60°)	1836.2	9.6	B2/2500		
BH	(60°-80°)	410.2	2.2	B1/500		G1/500
BVH	(80°-90°)	4.6	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°	3261.6	3261.6	3261.6	3261.6	3261.6	3261.6	3261.6	3261.6	3261.6	3261.6	3261.6
2.5°	3426.9	3416.2	3400.2	3405.5	3400.2	3378.9	3346.9	3320.3	3341.6	3309.6	3288.3
5°	3528.1	3528.1	3517.5	3517.5	3522.8	3512.1	3490.8	3453.5	3458.8	3432.2	3362.9
7.5°	3528.1	3512.1	3538.8	3565.4	3613.4	3640.0	3650.7	3629.4	3640.0	3586.7	3496.1
10°	3320.3	3309.6	3378.9	3480.2	3618.7	3741.3	3821.2	3826.6	3842.6	3789.3	3682.7
12.5°	2877.9	2856.6	2995.2	3187.0	3469.5	3752.0	3975.8	4061.1	4098.4	4077.1	3927.8
15°	2467.6	2494.2	2590.1	2798.0	3176.4	3608.1	4061.1	4343.5	4396.8	4423.5	4247.6
17.5°	2424.9	2430.2	2462.2	2563.5	2851.3	3373.6	4071.7	4636.7	4711.3	4828.5	4588.7
20°	2542.2	2531.5	2563.5	2595.5	2734.0	3165.7	3970.5	4919.1	5063.0	5313.5	5052.4
22.5°	2760.7	2760.7	2776.7	2798.0	2867.3	3149.7	3927.8	5180.3	5425.4	5937.0	5633.3
25°	3128.4	3085.8	3096.4	3069.8	3128.4	3341.6	4023.8	5388.1	5723.9	6629.9	6326.1
27.5°	3698.7	3714.6	3618.7	3474.8	3506.8	3688.0	4258.3	5622.6	6033.0	7349.4	7029.6
30°	4487.4	4460.8	4402.2	4119.7	3991.8	4151.7	4689.9	6006.3	6448.7	8260.7	7967.6
32.5°	5105.6	5180.3	5079.0	4881.8	4684.6	4732.6	5297.5	6624.5	6955.0	9097.4	8937.5
35°	5851.8	5851.8	5873.1	5596.0	5462.7	5452.1	6059.6	7296.1	7626.5	9854.2	9966.1
37.5°	6859.0	6789.8	6672.5	6363.4	6262.1	6395.4	6773.8	7988.9	8346.0	10467.1	10765.6
40°	7706.4	7754.4	7738.4	7290.7	7093.5	7237.4	7573.2	8580.5	8857.6	10861.5	11410.4
42.5°	8537.8	8564.5	8495.2	8282.0	7994.2	8004.9	8282.0	9028.1	9310.6	11239.9	12018.0
45°	9161.4	9156.1	9108.1	9054.8	8884.2	8708.4	8756.3	9523.8	9768.9	11362.5	12348.4
47.5°	9358.6	9401.2	9443.8	9593.1	9710.3	9433.2	9188.0	9790.3	10014.1	11341.1	12471.0
50°	9177.4	9268.0	9475.8	9699.7	10099.4	10078.1	9550.4	10078.1	10296.6	11458.4	12614.9
52.5°	8772.3	8862.9	9140.1	9545.1	10147.3	10445.8	10221.9	10563.0	10818.9	11756.8	12913.3
55°	7829.0	7866.3	8436.6	8969.5	9907.5	10285.9	10941.4	11383.8	11597.0	12119.2	13307.7
57.5°	6374.1	6464.7	7024.3	7893.0	9236.0	9864.9	11351.8	12785.4	12780.1	12465.7	13393.0
60°	*4194.3*	*4460.8*	*5372.1*	*6331.4*	*7935.6*	*9038.8*	*11325.2*	*14426.9*	*14592.1*	*12124.6*	*12364.4*
62.5°	3203.0	3314.9	3831.9	4631.3	5873.1	7493.3	11149.3	14917.2	15045.1	11207.9	10824.2
65°	2408.9	2547.5	3043.1	3757.3	4146.3	5079.0	9998.1	12966.6	13142.5	10003.4	8415.3
67.5°	1476.3	1588.2	2249.0	3085.8	3139.1	3155.1	6747.1	9822.2	9886.2	8068.8	5665.2
70°	986.0	1097.9	1556.2	2371.6	2499.5	1817.4	3704.0	7434.6	7429.3	5521.3	3442.8
72.5°	570.3	623.5	986.0	1748.1	1966.6	1156.5	1849.3	4727.3	4519.4	2595.5	1609.5
75°	325.1	362.4	543.6	1124.5	1380.3	735.5	730.1	2531.5	2238.4	1337.7	879.4
77.5°	197.2	213.2	298.5	735.5	831.4	495.6	405.0	1177.8	1135.2	783.4	463.7
80°	95.9	111.9	181.2	431.7	532.9	266.5	245.2	463.7	495.6	431.7	245.2
82.5°	32.0	42.6	101.3	165.2	346.4	106.6	101.3	255.8	271.8	255.8	117.2
85°	16.0	21.3	48.0	53.3	133.2	53.3	37.3	111.9	138.6	85.3	48.0
87.5°	0.0	5.3	5.3	5.3	5.3	5.3	5.3	10.7	10.7	10.7	10.7
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°	3261.6	3261.6	3261.6	3261.6	3261.6	3261.6	3261.6	3261.6	3261.6	3261.6	3261.6
2.5°	3272.3	3261.6	3240.3	3203.0	3197.7	3171.0	3128.4	3101.8	3080.4	3096.4	3101.8
5°	3330.9	3304.3	3240.3	3139.1	3032.5	2925.9	2824.6	2707.4	2627.4	2616.8	2595.5
7.5°	3437.5	3384.2	3245.7	3048.5	2776.7	2520.8	2222.4	1934.6	1790.7	1769.4	1721.4
10°	3608.1	3517.5	3288.3	2888.6	2366.3	1833.3	1380.3	1071.2	895.4	863.4	874.0
12.5°	3810.6	3682.7	3293.6	2616.8	1801.4	1135.2	783.4	666.2	628.9	612.9	612.9
15°	4071.7	3885.2	3288.3	2265.0	1215.1	730.1	628.9	580.9	564.9	554.3	554.3
17.5°	4402.2	4157.0	3251.0	1737.4	820.7	634.2	575.6	538.3	517.0	511.6	511.6
20°	4791.2	4460.8	3165.7	1295.1	687.5	591.6	543.6	495.6	479.7	469.0	469.0
22.5°	5286.8	4828.5	3000.5	1007.3	650.2	564.9	511.6	458.3	442.3	431.7	431.7
25°	5862.4	5297.5	2782.0	906.0	644.9	543.6	479.7	426.4	410.4	405.0	399.7
27.5°	6544.6	5798.5	2579.5	911.3	655.5	527.6	447.7	399.7	383.7	367.7	373.1
30°	7349.4	6315.4	2414.3	975.3	666.2	511.6	426.4	383.7	367.7	346.4	346.4
32.5°	8143.5	6923.0	2398.3	1092.5	703.5	501.0	405.0	362.4	346.4	330.4	330.4
35°	8958.9	7477.3	2488.9	1247.1	778.1	485.0	378.4	341.1	325.1	314.4	309.1
37.5°	9737.0	7919.6	2574.1	1343.0	735.5	415.7	346.4	314.4	298.5	277.1	277.1
40°	10253.9	8159.4	2590.1	1268.4	607.6	373.1	314.4	282.5	261.1	250.5	245.2
42.5°	10632.3	8314.0	2408.9	1028.6	527.6	341.1	287.8	255.8	239.8	229.2	229.2
45°	10786.9	8260.7	2099.8	783.4	485.0	314.4	261.1	234.5	223.8	213.2	213.2
47.5°	10765.6	8015.5	1785.4	628.9	442.3	287.8	245.2	223.8	213.2	202.5	197.2
50°	10728.2	7786.4	1465.6	559.6	394.4	271.8	229.2	213.2	197.2	186.5	181.2
52.5°	10973.4	7711.8	1215.1	511.6	367.7	261.1	223.8	202.5	186.5	175.9	175.9
55°	11218.6	7743.7	954.0	479.7	341.1	255.8	218.5	197.2	181.2	165.2	165.2
57.5°	11202.6	7605.2	724.8	447.7	319.8	250.5	213.2	191.9	165.2	154.6	154.6
60°	*10184.6*	*6784.4*	*564.9*	*410.4*	*293.1*	*234.5*	*197.2*	*181.2*	*154.6*	*138.6*	*138.6*
62.5°	8612.4	5334.8	463.7	362.4	261.1	213.2	181.2	165.2	138.6	111.9	111.9
65°	6363.4	3847.9	373.1	314.4	239.8	186.5	165.2	143.9	111.9	90.6	85.3
67.5°	4306.2	2366.3	298.5	261.1	213.2	159.9	138.6	122.6	101.3	74.6	69.3
70°	2552.8	1257.8	218.5	181.2	159.9	117.2	117.2	106.6	85.3	64.0	58.6
72.5°	1215.1	437.0	159.9	133.2	122.6	85.3	90.6	90.6	69.3	48.0	42.6
75°	618.2	213.2	106.6	95.9	79.9	64.0	74.6	69.3	48.0	32.0	32.0
77.5°	351.7	149.2	74.6	64.0	53.3	42.6	48.0	42.6	26.6	16.0	16.0
80°	197.2	106.6	48.0	42.6	32.0	26.6	26.6	21.3	16.0	5.3	5.3
82.5°	74.6	64.0	32.0	21.3	16.0	16.0	10.7	10.7	5.3	0.0	0.0
85°	32.0	16.0	16.0	10.7	10.7	5.3	5.3	5.3	0.0	0.0	0.0
87.5°	5.3	5.3	5.3	5.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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CANDELA DISTRIBUTION (continued):

	185°	195°	205°	215°	225°	235°	245°	255°	265°	270°	275°
0°	3261.6	3261.6	3261.6	3261.6	3261.6	3261.6	3261.6	3261.6	3261.6	3261.6	3261.6
2.5°	3059.1	3069.8	3080.4	3123.1	3133.7	3165.7	3192.4	3224.3	3229.7	3272.3	3272.3
5°	2638.1	2632.8	2723.4	2856.6	2941.9	3059.1	3149.7	3245.7	3299.0	3368.2	3400.2
7.5°	1748.1	1881.3	2083.8	2318.3	2622.1	2904.6	3117.7	3304.3	3432.2	3512.1	3544.1
10°	868.7	943.3	1156.5	1540.2	2057.2	2632.8	3085.8	3432.2	3640.0	3730.6	3789.3
12.5°	612.9	628.9	666.2	874.0	1369.7	2185.1	2984.5	3570.8	3858.5	4029.1	4103.7
15°	548.9	559.6	575.6	634.2	847.4	1630.8	2803.3	3725.3	4199.6	4396.8	4492.8
17.5°	506.3	511.6	527.6	575.6	666.2	1108.5	2510.2	3890.5	4610.0	4849.8	5031.0
20°	469.0	469.0	485.0	543.6	618.2	852.7	2089.2	4077.1	5132.3	5478.7	5659.9
22.5°	426.4	437.0	447.7	511.6	602.2	778.1	1694.8	4221.0	5713.2	6134.2	6347.4
25°	394.4	405.0	415.7	479.7	586.2	778.1	1465.6	4311.6	6363.4	6864.4	7157.5
27.5°	367.7	378.4	394.4	458.3	570.3	810.1	1375.0	4338.2	7072.2	7722.4	8116.8
30°	346.4	357.1	373.1	442.3	580.9	847.4	1407.0	4300.9	7791.7	8607.1	9076.1
32.5°	325.1	335.8	351.7	426.4	580.9	895.4	1513.6	4226.3	8489.9	9491.8	10067.4
35°	309.1	314.4	319.8	383.7	527.6	890.0	1646.8	4151.7	9193.4	10365.8	11037.4
37.5°	277.1	282.5	293.1	330.4	421.0	810.1	1673.5	4061.1	9747.6	11101.3	11842.1
40°	245.2	255.8	266.5	303.8	351.7	655.5	1556.2	3869.2	10040.7	11666.2	12566.9
42.5°	223.8	229.2	239.8	277.1	325.1	522.3	1305.7	3533.4	10301.9	12050.0	13094.5
45°	207.8	213.2	223.8	250.5	303.8	453.0	1028.6	3123.1	10323.2	12172.5	13350.4
47.5°	191.9	197.2	202.5	229.2	293.1	405.0	788.8	2750.0	10317.9	12332.4	13568.9
50°	181.2	186.5	197.2	218.5	277.1	362.4	650.2	2446.2	10541.7	12678.8	14011.2
52.5°	175.9	175.9	191.9	213.2	261.1	330.4	543.6	2174.4	10659.0	13019.9	14331.0
55°	165.2	170.5	181.2	202.5	245.2	314.4	463.7	1833.3	10712.3	13190.5	14389.6
57.5°	154.6	159.9	175.9	191.9	234.5	298.5	399.7	1369.7	9950.1	12300.4	13409.0
60°	*138.6*	*149.2*	*170.5*	*186.5*	*218.5*	*271.8*	*351.7*	*927.3*	*8393.9*	*10690.9*	*11618.3*
62.5°	111.9	133.2	154.6	165.2	197.2	229.2	298.5	618.2	6704.5	8846.9	9902.2
65°	85.3	111.9	127.9	143.9	165.2	191.9	250.5	421.0	4471.4	5953.0	7141.5
67.5°	74.6	95.9	106.6	117.2	138.6	165.2	202.5	293.1	2712.7	3576.1	4748.6
70°	58.6	79.9	90.6	85.3	106.6	127.9	143.9	197.2	1385.7	1939.9	2702.0
72.5°	42.6	64.0	69.3	69.3	64.0	90.6	106.6	138.6	602.2	943.3	1225.8
75°	32.0	42.6	48.0	42.6	37.3	58.6	74.6	90.6	394.4	564.9	714.2
77.5°	16.0	16.0	26.6	26.6	16.0	32.0	37.3	53.3	223.8	330.4	410.4
80°	5.3	0.0	0.0	5.3	0.0	10.7	16.0	26.6	117.2	175.9	255.8
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.3	58.6	53.3	133.2
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10.7	32.0
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: P1501921
CATALOG NUMBER: GSS-SB6A-830-U-T2LG-HSS

CANDELA DISTRIBUTION (continued):

	285°	293°	295°	305°	315°	325°	335°	345°	355°	360°
0°	3261.6	3261.6	3261.6	3261.6	3261.6	3261.6	3261.6	3261.6	3261.6	3261.6
2.5°	3299.0	3299.0	3320.3	3352.2	3368.2	3378.9	3384.2	3394.9	3437.5	3426.9
5°	3437.5	3448.2	3464.2	3496.1	3533.4	3522.8	3522.8	3522.8	3549.4	3528.1
7.5°	3618.7	3650.7	3656.0	3693.3	3666.7	3613.4	3581.4	3533.4	3528.1	3528.1
10°	3911.8	3901.2	3901.2	3853.2	3757.3	3602.7	3464.2	3368.2	3314.9	3320.3
12.5°	4226.3	4183.6	4189.0	4013.1	3741.3	3400.2	3117.7	2909.9	2893.9	2877.9
15°	4615.3	4503.4	4482.1	4077.1	3501.5	2979.2	2702.0	2536.8	2483.5	2467.6
17.5°	5169.6	4887.1	4785.9	3965.1	3187.0	2718.0	2510.2	2435.6	2430.2	2424.9
20°	5755.8	5196.2	5004.4	3799.9	3080.4	2723.4	2568.8	2547.5	2536.8	2542.2
22.5°	6438.0	5393.4	5148.3	3826.6	3176.4	2899.2	2776.7	2760.7	2750.0	2760.7
25°	7141.5	5622.6	5318.8	4039.7	3464.2	3224.3	3080.4	3048.5	3080.4	3128.4
27.5°	7850.3	5931.7	5654.6	4460.8	3927.8	3666.7	3528.1	3645.4	3693.3	3698.7
30°	8479.2	6363.4	6107.6	5052.4	4455.4	4194.3	4221.0	4370.2	4428.8	4487.4
32.5°	9054.8	6939.0	6741.8	5723.9	5137.6	4983.1	4967.1	5079.0	5143.0	5105.6
35°	9635.7	7690.4	7498.6	6454.0	5974.4	5846.4	5713.2	5931.7	5910.4	5851.8
37.5°	10184.6	8447.2	8271.4	7237.4	6741.8	6518.0	6496.6	6693.8	6869.7	6859.0
40°	10579.0	9060.1	8846.9	8015.5	7546.5	7354.7	7466.6	7807.7	7765.1	7706.4
42.5°	10941.4	9582.4	9390.5	8697.7	8207.4	8292.7	8393.9	8623.1	8596.5	8537.8
45°	11112.0	10030.1	9864.9	9214.7	8974.8	9246.7	9241.3	9326.6	9182.7	9161.4
47.5°	11351.8	10349.9	10179.3	9678.3	9891.5	10003.4	9689.0	9598.4	9465.2	9358.6
50°	11794.1	10845.5	10675.0	10381.8	10563.0	10216.6	9832.9	9635.7	9363.9	9177.4
52.5°	12311.1	11597.0	11447.7	11330.5	10824.2	10110.0	9619.7	9262.6	8932.2	8772.3
55°	12961.3	12705.5	12598.9	11954.0	10589.7	9673.0	9097.4	8431.2	7978.2	7829.0
57.5°	13174.5	14331.0	14293.7	12055.3	9934.2	8878.9	7839.7	6939.0	6470.0	6374.1
60°	12545.6	15604.7	15471.5	11884.7	8745.7	7205.5	5990.3	5068.3	4306.2	4194.3
62.5°	11740.9	14629.4	14581.5	11026.7	6661.9	5164.3	4476.8	3613.4	3288.3	3203.0
65°	10056.7	11970.0	11991.3	8846.9	4215.6	3709.3	3677.3	2872.6	2472.9	2408.9
67.5°	7743.7	9182.7	9033.5	5564.0	2456.9	2968.5	2936.5	2099.8	1518.9	1476.3
70°	4524.7	6837.7	6597.9	2893.9	1625.5	2478.2	2259.7	1476.3	1033.9	986.0
72.5°	1998.6	3762.6	4039.7	1273.7	1145.8	1971.9	1630.8	906.0	580.9	570.3
75°	1108.5	1865.3	1950.6	554.3	804.8	1401.7	986.0	506.3	330.4	325.1
77.5°	666.2	826.1	804.8	357.1	602.2	895.4	596.9	287.8	207.8	197.2
80°	373.1	378.4	319.8	261.1	357.1	501.0	335.8	181.2	95.9	95.9
82.5°	229.2	207.8	165.2	79.9	95.9	303.8	122.6	101.3	32.0	32.0
85°	95.9	64.0	42.6	16.0	37.3	79.9	42.6	48.0	16.0	16.0
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: SP1-2407-184-9

Test Date: 10/10/2024

Luminaire Tested: GSS-SB1A-830-U-5WQ

Data in this report applies to families of products including GSS-SB1A-830-U-5WQ

Report Generated By FNC07603 / LDUCLS01DT446
Version: v7.04

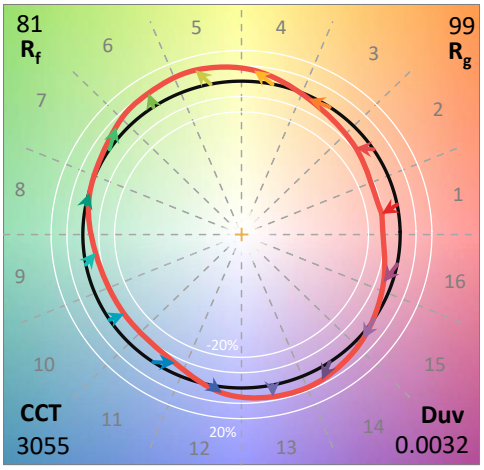
Test Information

Test Method:	LM-79-2019
Report Number:	SP1-2407-184-9
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-830-U-5WQ**
Description:	GALLEON II SITE SLIM 1SQ 350MA 5WQ HIGH DENSITY LIGHTSQUARE WITH 80 CRI 3000K CCT 26 LEDS

Spectral Parameters

CCT (K):	3055
CIE u':	0.2475
CIE v':	0.5247
Duv:	0.0032
CIE x:	0.4377
CIE y:	0.4124
CIE z:	0.1499
Peak Wavelength (nm):	604
Dominant Wavelength (nm):	581
Purity:	55.16339
Rf:	81.5
Rg:	99.2

CRI (Ra):	80.9
R1:	79.5
R2:	85.6
R3:	92.1
R4:	82.4
R5:	78.9
R6:	81.7
R7:	85.1
R8:	61.9
R9:	6.8
R10:	67.1
R11:	82.5
R12:	63.4
R13:	80.2
R14:	95.1
R15:	71.7



Test Conditions

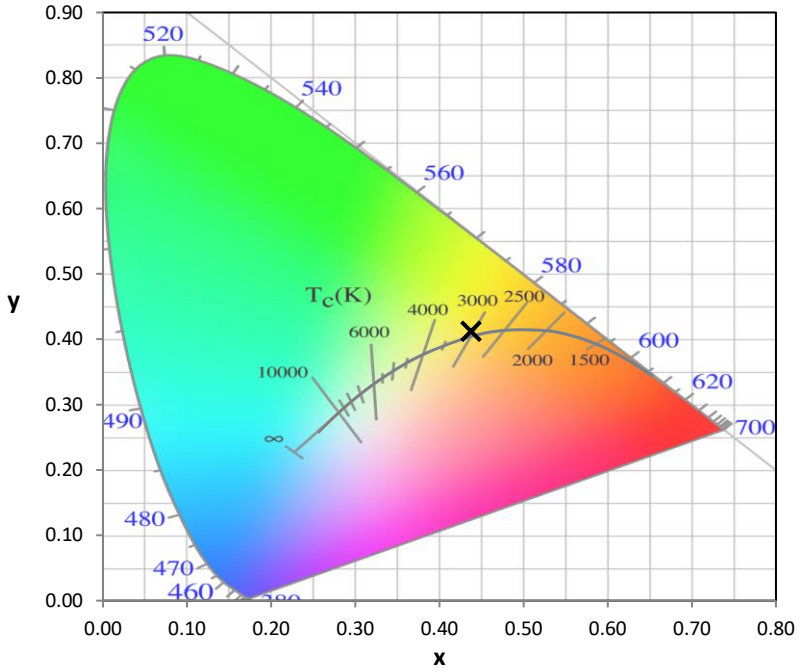
Stabilization Time:	20M
Operation Time:	1H 20M
Sphere Temperature (°C):	25.2

REPORT NUMBER: SP1-2407-184-9

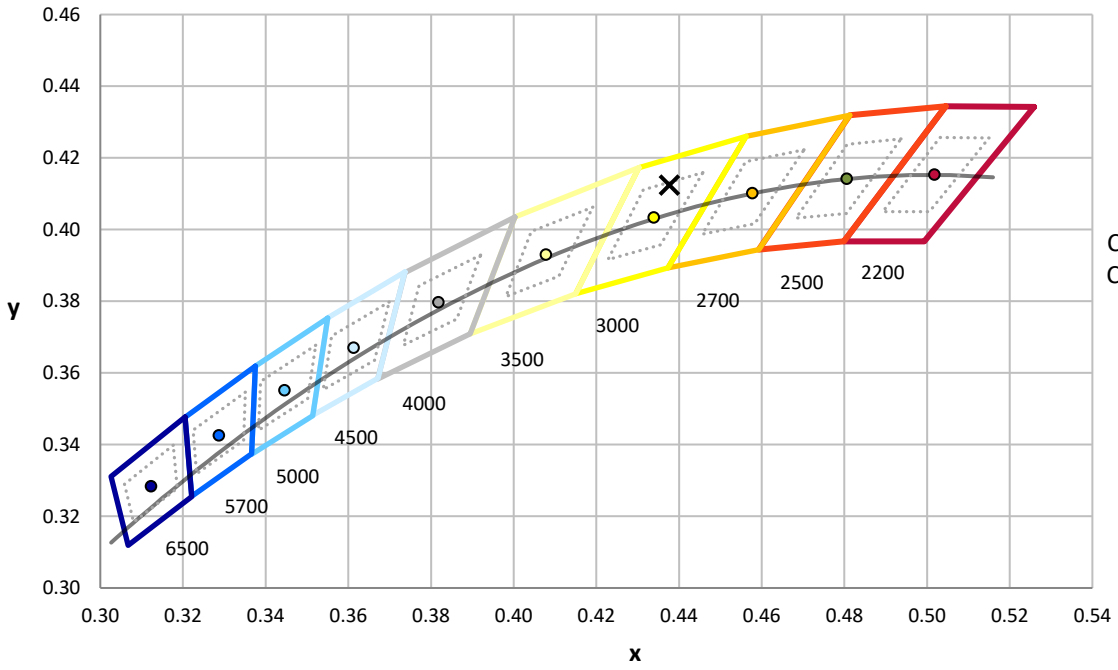
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

REPORT NUMBER: SP1-2407-184-9

CIE 1931 Chromaticity Diagram



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

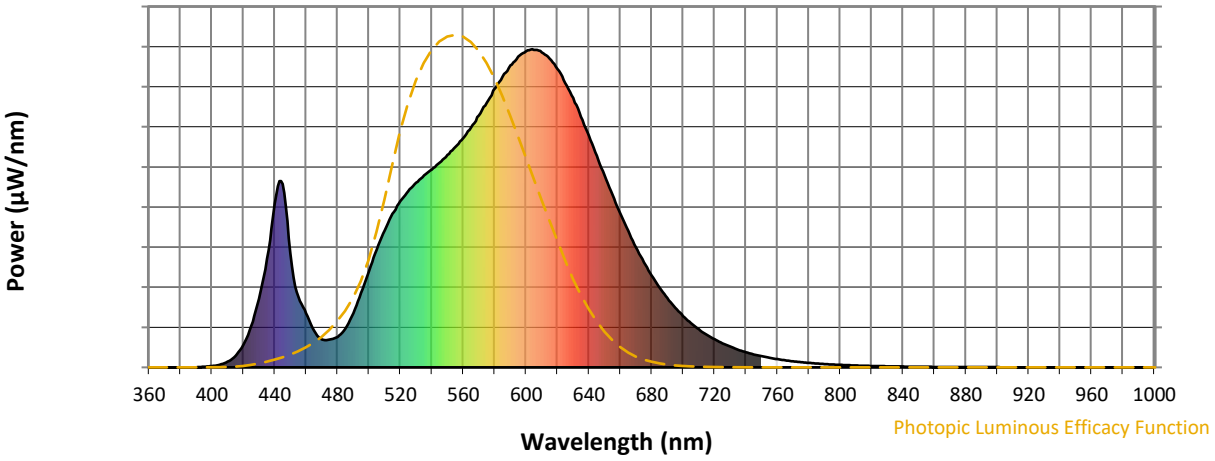


CCT = 3055K
CIE x = 0.4377
CIE y = 0.4124
Duv = 0.0032

Point lies inside the ANSI 3000K 4-step quadrangle

REPORT NUMBER: SP1-2407-184-9

Photopic Flux vs. Wavelength

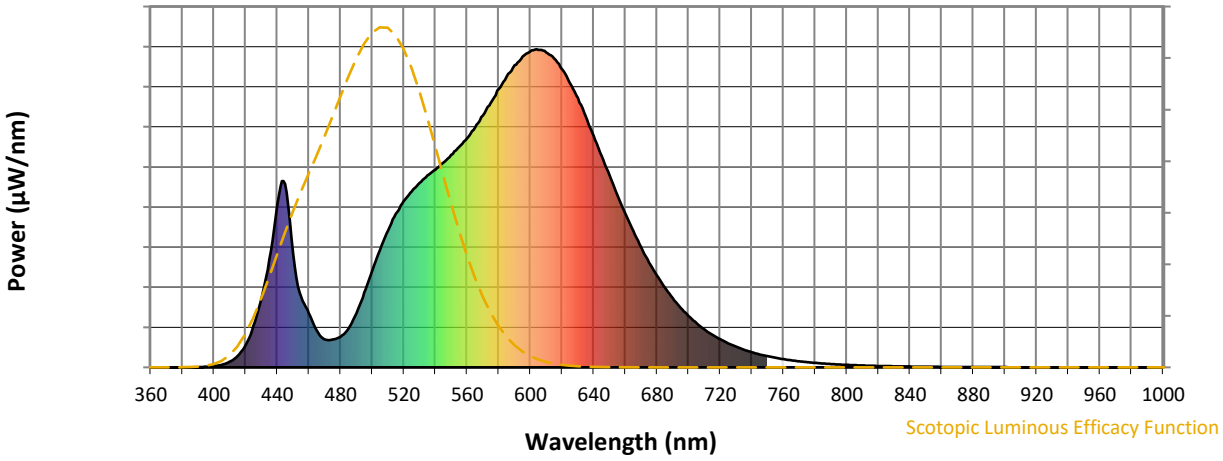


Photopic Lumens: NR

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	170	NR	620	938	NR	750	35	NR	880	1	NR
365	0	NR	495	234	NR	625	894	NR	755	30	NR	885	1	NR
370	0	NR	500	302	NR	630	847	NR	760	26	NR	890	1	NR
375	0	NR	505	371	NR	635	788	NR	765	22	NR	895	1	NR
380	0	NR	510	431	NR	640	728	NR	770	19	NR	900	1	NR
385	0	NR	515	482	NR	645	665	NR	775	16	NR	905	1	NR
390	0	NR	520	523	NR	650	603	NR	780	14	NR	910	0	NR
395	2	NR	525	553	NR	655	542	NR	785	12	NR	915	0	NR
400	4	NR	530	580	NR	660	484	NR	790	11	NR	920	0	NR
405	8	NR	535	603	NR	665	430	NR	795	9	NR	925	0	NR
410	18	NR	540	622	NR	670	377	NR	800	8	NR	930	0	NR
415	36	NR	545	644	NR	675	330	NR	805	7	NR	935	0	NR
420	71	NR	550	668	NR	680	289	NR	810	6	NR	940	0	NR
425	131	NR	555	693	NR	685	250	NR	815	5	NR	945	0	NR
430	215	NR	560	720	NR	690	218	NR	820	4	NR	950	0	NR
435	341	NR	565	754	NR	695	188	NR	825	4	NR	955	0	NR
440	514	NR	570	792	NR	700	161	NR	830	3	NR	960	0	NR
445	576	NR	575	832	NR	705	139	NR	835	3	NR	965	0	NR
450	358	NR	580	875	NR	710	119	NR	840	3	NR	970	0	NR
455	222	NR	585	913	NR	715	102	NR	845	2	NR	975	0	NR
460	170	NR	590	950	NR	720	88	NR	850	2	NR	980	0	NR
465	115	NR	595	977	NR	725	76	NR	855	2	NR	985	0	NR
470	88	NR	600	994	NR	730	65	NR	860	1	NR	990	0	NR
475	87	NR	605	997	NR	735	56	NR	865	1	NR	995	0	NR
480	96	NR	610	990	NR	740	47	NR	870	1	NR	1000	0	NR
485	122	NR	615	971	NR	745	41	NR	875	1	NR			

REPORT NUMBER: SP1-2407-184-9

Scotopic Flux vs. Wavelength

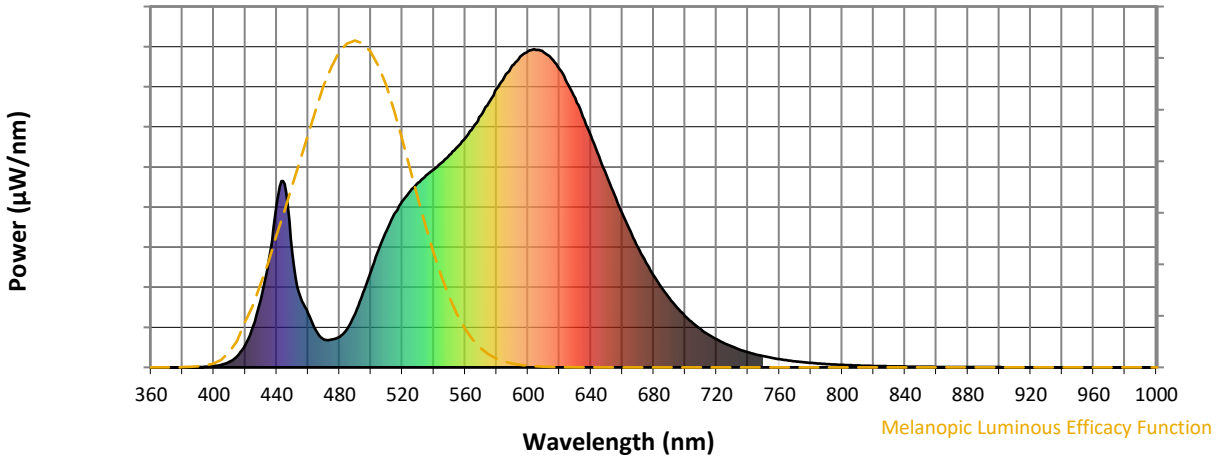


Scotopic Lumens: NR **S/P: 1.28**

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	170	NR	620	938	NR	750	35	NR	880	1	NR
365	0	NR	495	234	NR	625	894	NR	755	30	NR	885	1	NR
370	0	NR	500	302	NR	630	847	NR	760	26	NR	890	1	NR
375	0	NR	505	371	NR	635	788	NR	765	22	NR	895	1	NR
380	0	NR	510	431	NR	640	728	NR	770	19	NR	900	1	NR
385	0	NR	515	482	NR	645	665	NR	775	16	NR	905	1	NR
390	0	NR	520	523	NR	650	603	NR	780	14	NR	910	0	NR
395	2	NR	525	553	NR	655	542	NR	785	12	NR	915	0	NR
400	4	NR	530	580	NR	660	484	NR	790	11	NR	920	0	NR
405	8	NR	535	603	NR	665	430	NR	795	9	NR	925	0	NR
410	18	NR	540	622	NR	670	377	NR	800	8	NR	930	0	NR
415	36	NR	545	644	NR	675	330	NR	805	7	NR	935	0	NR
420	71	NR	550	668	NR	680	289	NR	810	6	NR	940	0	NR
425	131	NR	555	693	NR	685	250	NR	815	5	NR	945	0	NR
430	215	NR	560	720	NR	690	218	NR	820	4	NR	950	0	NR
435	341	NR	565	754	NR	695	188	NR	825	4	NR	955	0	NR
440	514	NR	570	792	NR	700	161	NR	830	3	NR	960	0	NR
445	576	NR	575	832	NR	705	139	NR	835	3	NR	965	0	NR
450	358	NR	580	875	NR	710	119	NR	840	3	NR	970	0	NR
455	222	NR	585	913	NR	715	102	NR	845	2	NR	975	0	NR
460	170	NR	590	950	NR	720	88	NR	850	2	NR	980	0	NR
465	115	NR	595	977	NR	725	76	NR	855	2	NR	985	0	NR
470	88	NR	600	994	NR	730	65	NR	860	1	NR	990	0	NR
475	87	NR	605	997	NR	735	56	NR	865	1	NR	995	0	NR
480	96	NR	610	990	NR	740	47	NR	870	1	NR	1000	0	NR
485	122	NR	615	971	NR	745	41	NR	875	1	NR			

REPORT NUMBER: SP1-2407-184-9

Melanopic Flux vs. Wavelength



Melanopic Lumens: NR **M/P: 2.33**

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	170	NR	620	938	NR	750	35	NR	880	1	NR
365	0	NR	495	234	NR	625	894	NR	755	30	NR	885	1	NR
370	0	NR	500	302	NR	630	847	NR	760	26	NR	890	1	NR
375	0	NR	505	371	NR	635	788	NR	765	22	NR	895	1	NR
380	0	NR	510	431	NR	640	728	NR	770	19	NR	900	1	NR
385	0	NR	515	482	NR	645	665	NR	775	16	NR	905	1	NR
390	0	NR	520	523	NR	650	603	NR	780	14	NR	910	0	NR
395	2	NR	525	553	NR	655	542	NR	785	12	NR	915	0	NR
400	4	NR	530	580	NR	660	484	NR	790	11	NR	920	0	NR
405	8	NR	535	603	NR	665	430	NR	795	9	NR	925	0	NR
410	18	NR	540	622	NR	670	377	NR	800	8	NR	930	0	NR
415	36	NR	545	644	NR	675	330	NR	805	7	NR	935	0	NR
420	71	NR	550	668	NR	680	289	NR	810	6	NR	940	0	NR
425	131	NR	555	693	NR	685	250	NR	815	5	NR	945	0	NR
430	215	NR	560	720	NR	690	218	NR	820	4	NR	950	0	NR
435	341	NR	565	754	NR	695	188	NR	825	4	NR	955	0	NR
440	514	NR	570	792	NR	700	161	NR	830	3	NR	960	0	NR
445	576	NR	575	832	NR	705	139	NR	835	3	NR	965	0	NR
450	358	NR	580	875	NR	710	119	NR	840	3	NR	970	0	NR
455	222	NR	585	913	NR	715	102	NR	845	2	NR	975	0	NR
460	170	NR	590	950	NR	720	88	NR	850	2	NR	980	0	NR
465	115	NR	595	977	NR	725	76	NR	855	2	NR	985	0	NR
470	88	NR	600	994	NR	730	65	NR	860	1	NR	990	0	NR
475	87	NR	605	997	NR	735	56	NR	865	1	NR	995	0	NR
480	96	NR	610	990	NR	740	47	NR	870	1	NR	1000	0	NR
485	122	NR	615	971	NR	745	41	NR	875	1	NR			

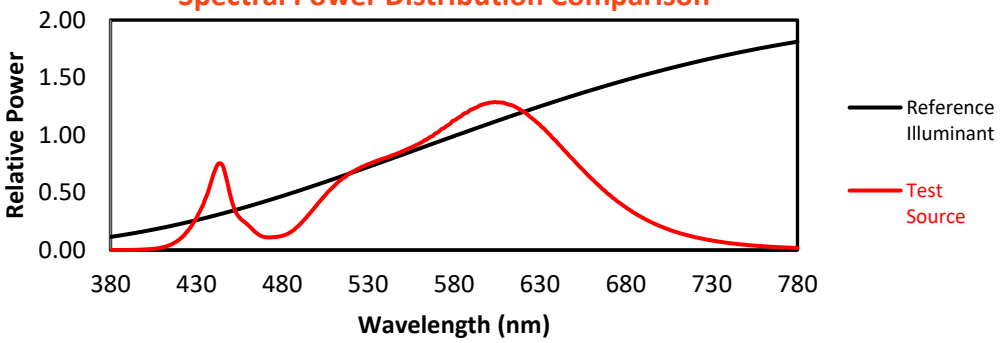
REPORT NUMBER: SP1-2407-184-9

TM-30-18

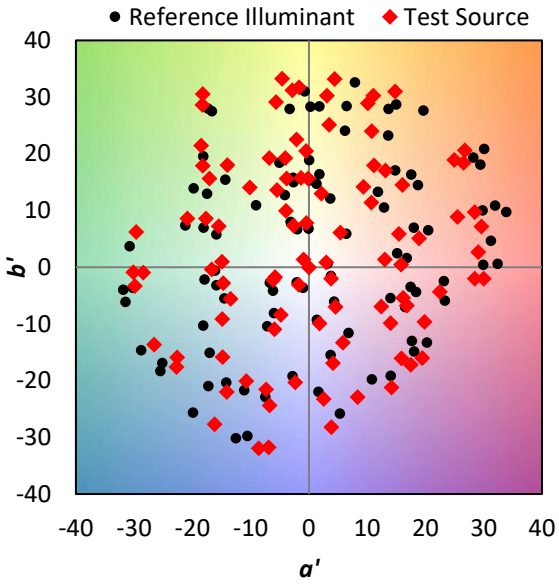
Summary

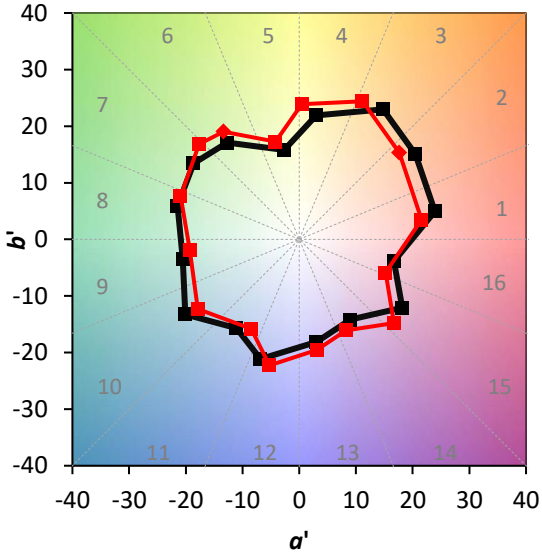
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R_g = 99.2
CIE R_a = 80.9
R_9 = 6.8

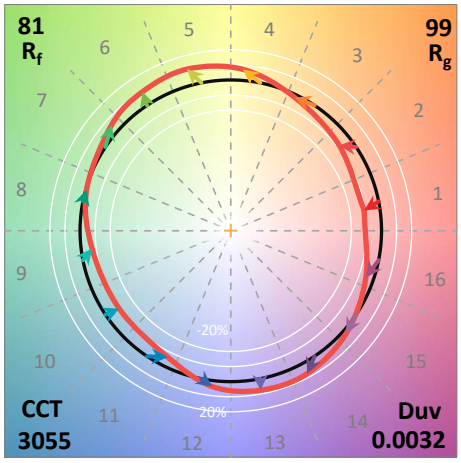
Spectral Power Distribution Comparison

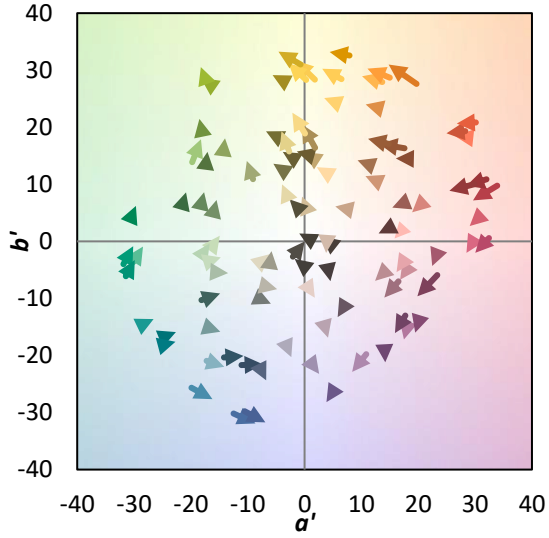


Color Vector Graphics







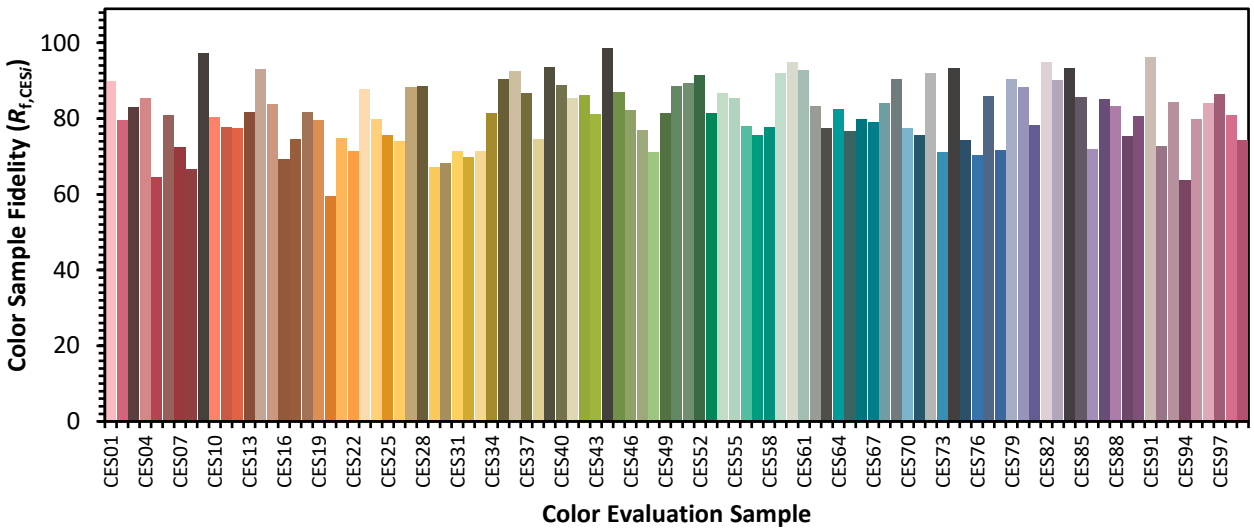


REPORT NUMBER: SP1-2407-184-9

TM-30-18

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

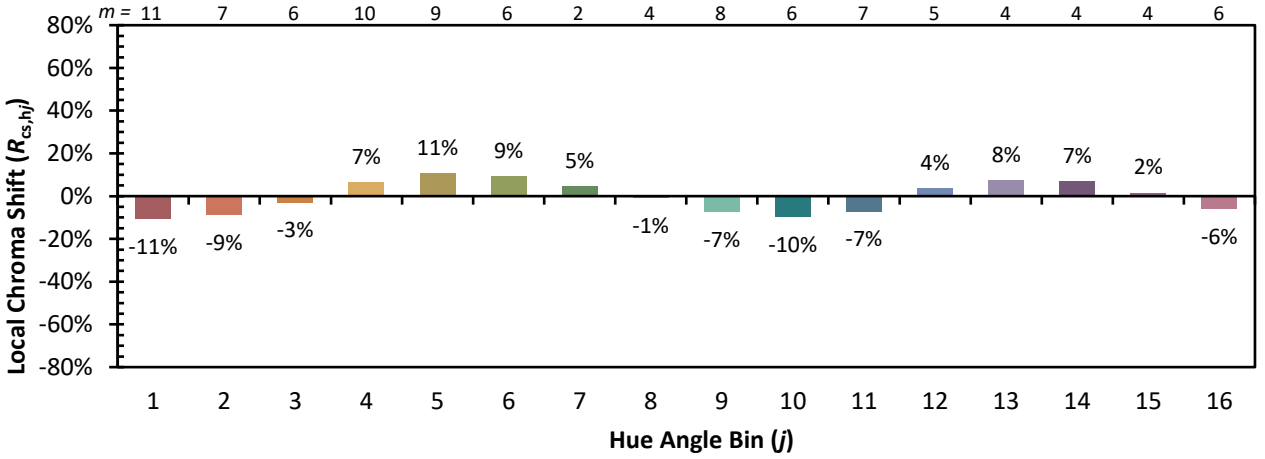
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CES02 = 63	CES27 = 88	CES52 = 91	CES77 = 86
CES03 = 31	CES28 = 89	CES53 = 81	CES78 = 72
CES04 = 70	CES29 = 67	CES54 = 87	CES79 = 90
CES05 = 50	CES30 = 68	CES55 = 85	CES80 = 88
CES06 = 51	CES31 = 71	CES56 = 78	CES81 = 78
CES07 = 42	CES32 = 70	CES57 = 76	CES82 = 95
CES08 = 41	CES33 = 71	CES58 = 78	CES83 = 90
CES09 = 29	CES34 = 82	CES59 = 92	CES84 = 93
CES10 = 76	CES35 = 90	CES60 = 95	CES85 = 86
CES11 = 59	CES36 = 93	CES61 = 93	CES86 = 72
CES12 = 65	CES37 = 87	CES62 = 83	CES87 = 85
CES13 = 43	CES38 = 75	CES63 = 77	CES88 = 83
CES14 = 74	CES39 = 94	CES64 = 83	CES89 = 75
CES15 = 71	CES40 = 89	CES65 = 77	CES90 = 81
CES16 = 47	CES41 = 85	CES66 = 80	CES91 = 96
CES17 = 50	CES42 = 86	CES67 = 79	CES92 = 73
CES18 = 56	CES43 = 81	CES68 = 84	CES93 = 84
CES19 = 72	CES44 = 99	CES69 = 90	CES94 = 64
CES20 = 66	CES45 = 87	CES70 = 77	CES95 = 80
CES21 = 87	CES46 = 82	CES71 = 76	CES96 = 84
CES22 = 79	CES47 = 77	CES72 = 92	CES97 = 87
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CES24 = 91	CES49 = 81	CES74 = 93	CES99 = 74
CES25 = 72	CES50 = 89	CES75 = 74	

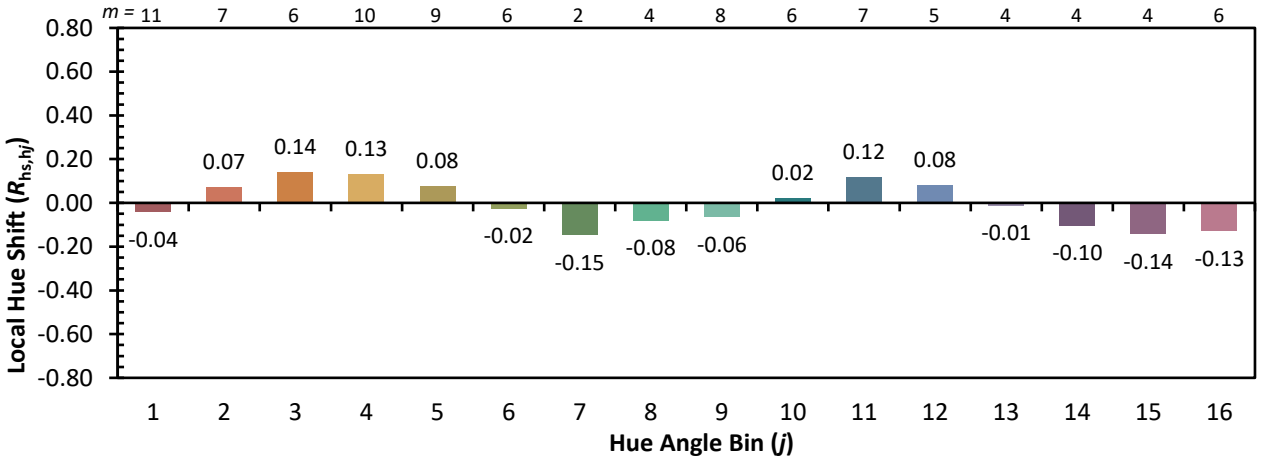


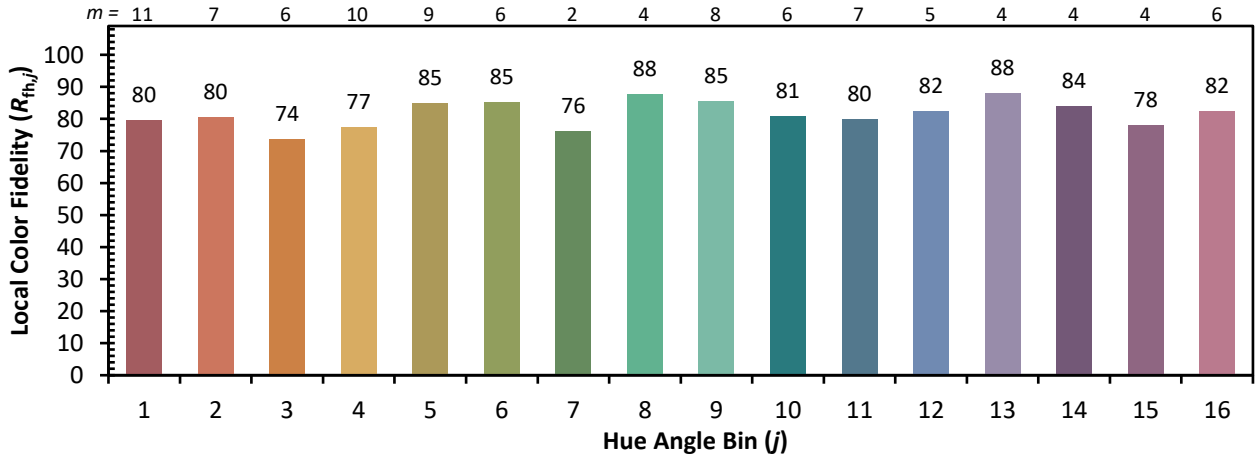
REPORT NUMBER: SP1-2407-184-9

TM-30-18

Color Rendition by Hue-Angle Bin



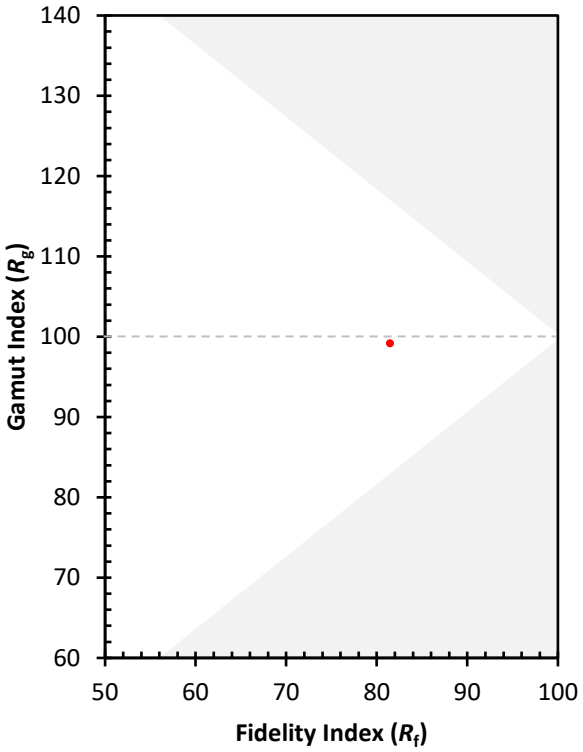


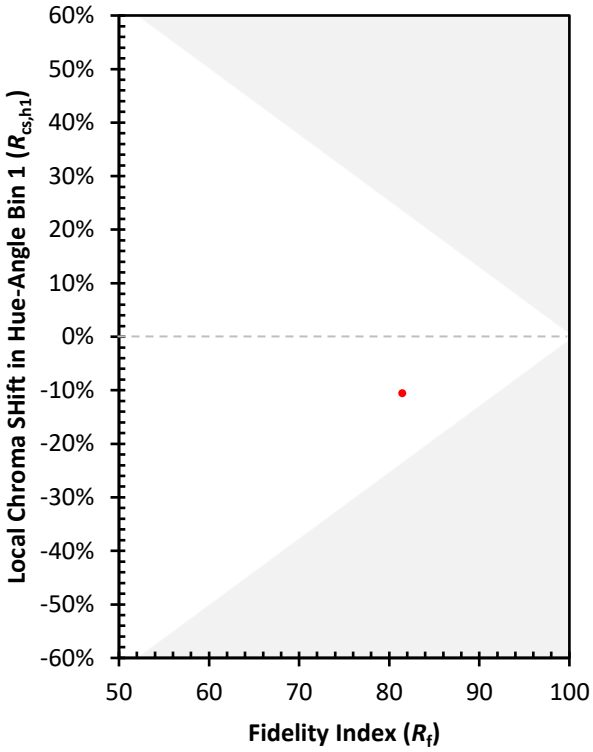


REPORT NUMBER: SP1-2407-184-9

TM-30-18

Measure Comparisons





(END OF REPORT)