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: P1501383

Luminaire Tested: GSS-SB3C-727-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:	P1501383
Test Lab:	INNOVATION CENTER(G1)
Issue Date:	7/20/2026
Manufacturer:	COOPER LIGHTING SOLUTIONS
Product Line:	McGRAW-EDISON
Catalog Number:	GSS-SB3C-727-U-T2LG
Description:	GALLEON II SLIM SITE HIGH DENSITY LED ARRAYS 3SQUARE 150W 70CRI 2700K FIXTURE w/ TYPE II LOW GLARE DISTRIBUTION FIXTURE
Light Source:	(78) 2700K CCT, 70 CRI LEDS
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	19243.9 lumens
Efficiency:	N/A
Efficacy:	128.3 lumens/watt
Luminous Opening:	Rectangular (W 1.5' x L: 0.5' x H: 0')
IES Classification:	Type II - Short
BUG Rating:	B3 - U0 - G3

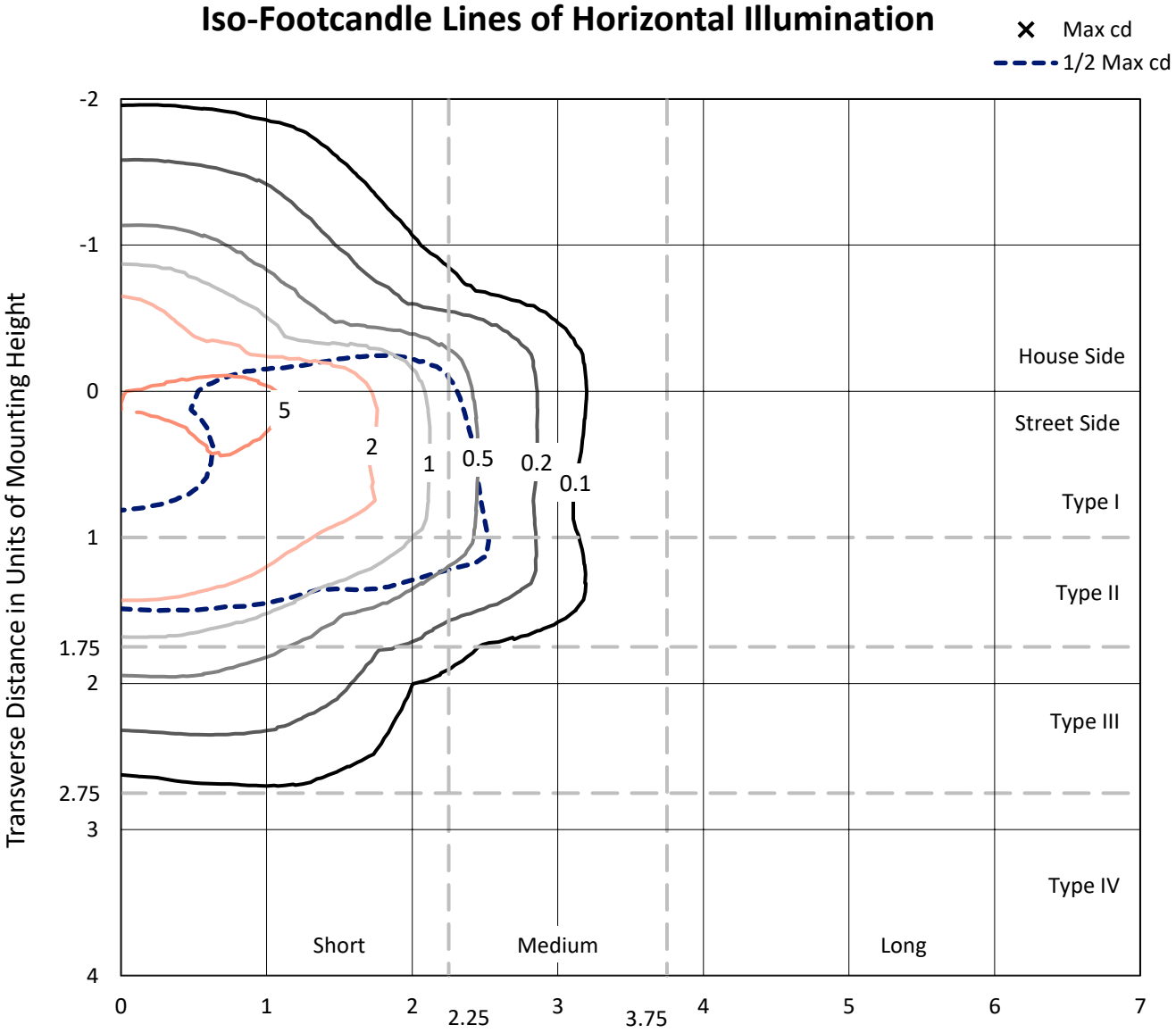
Input Watts (W):	150
Input Voltage (V):	120
Input Current (Ain):	NR
Voltage Rise (V):	NR
Power Factor:	0.98
Total Harmonic Distortion (THDi):	6.3%
Frequency (hertz):	60
Stabilization Time:	NR
Operation Time:	NR
Ambient Temperature (°C):	NR
Test Distance:	28.75 FT

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Iso-Footcandle Lines of Horizontal Illumination



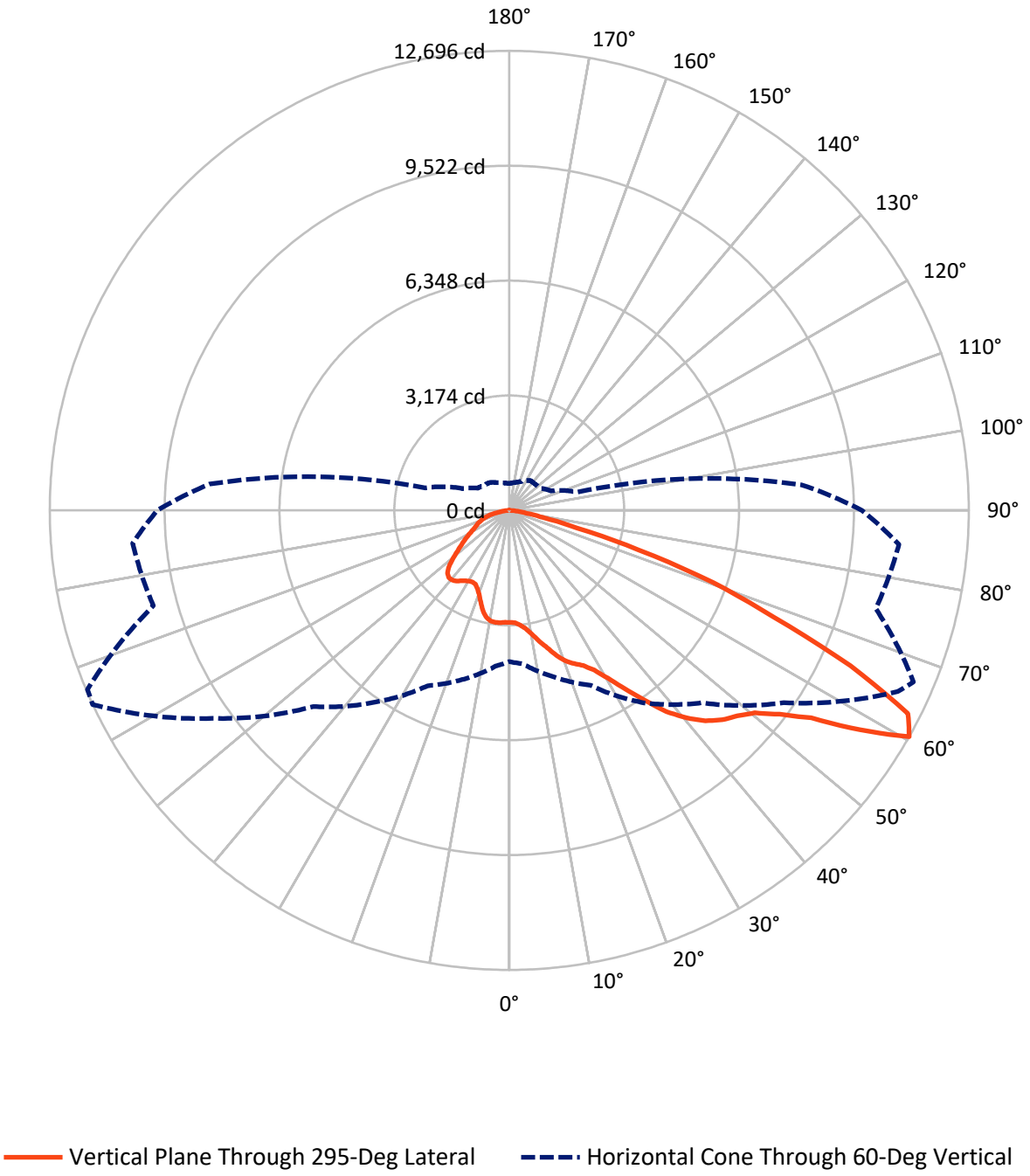
Based on 25 foot mounting height. Maximum calculated value = 7.5 fc
Type II - Short - N/A

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Luminous Intensity Polar Plot



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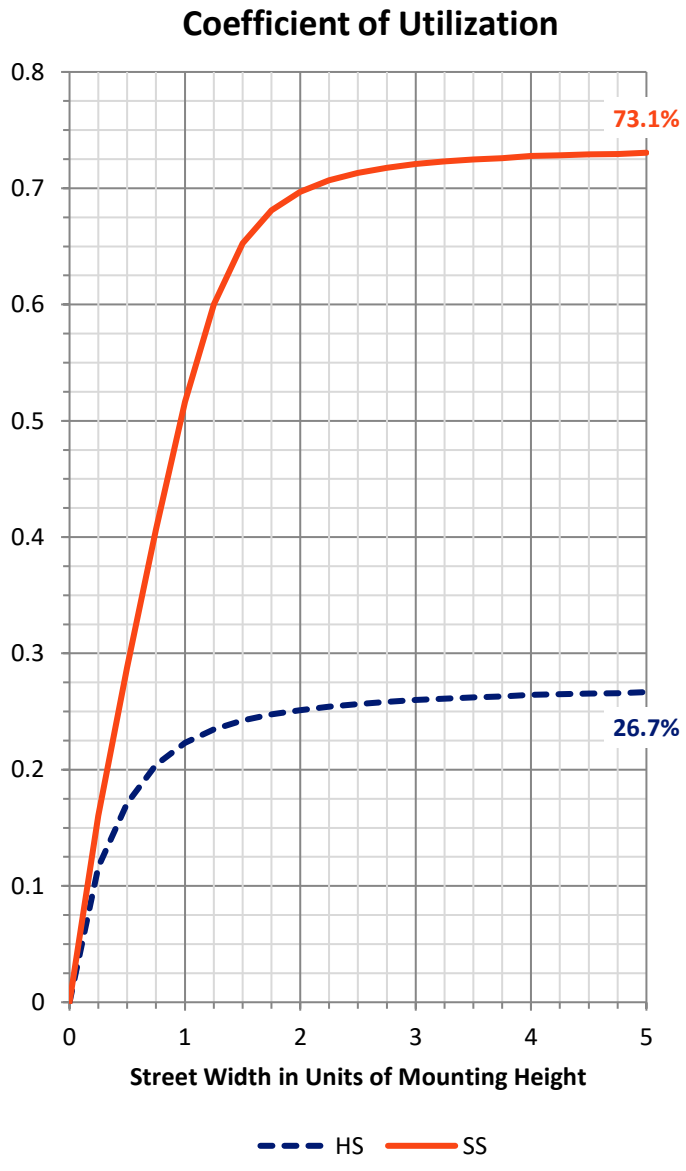
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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	5174.9	0.0	5174.9
	% Fixture	26.9	0.0	26.9
Street Side	Lumens	14069.0	0.0	14069.0
	% Fixture	73.1	0.0	73.1
Total	Lumens	19243.9	0.0	19243.9
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	291.1	1.5
10°-20°	836.9	4.3
20°-30°	1585.2	8.2
30°-40°	2794.6	14.5
40°-50°	4132.9	21.5
50°-60°	4853.2	25.2
60°-70°	3516.3	18.3
70°-80°	1084.4	5.6
80°-90°	149.3	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°	19243.9	100.0
0°-180°	19243.9	100.0



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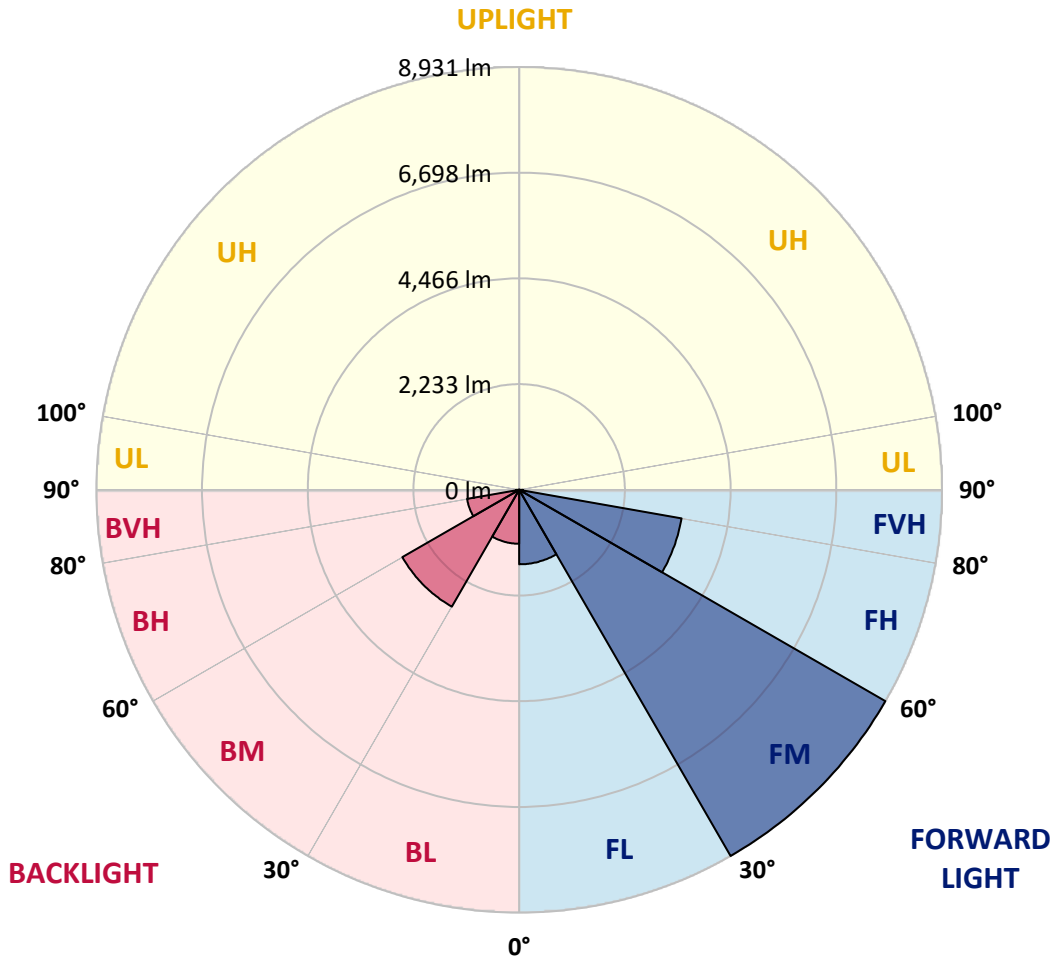
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	1573.5	8.2			
FM	(30°-60°)	8931.2	46.4			
FH	(60°-80°)	3483.7	18.1			G2/5000
FVH	(80°-90°)	80.5	0.4			G1/100
BL	(0°-30°)	1139.7	5.9	B3/2500		
BM	(30°-60°)	2849.5	14.8	B3/5000		
BH	(60°-80°)	1117.0	5.8	B3/2500		G3/2500
BVH	(80°-90°)	68.8	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°	3096.3	3096.3	3096.3	3096.3	3096.3	3096.3	3096.3	3096.3	3096.3	3096.3	3096.3
2.5°	3157.7	3166.4	3153.3	3162.0	3162.0	3148.9	3144.5	3127.0	3135.7	3131.3	3127.0
5°	3232.2	3236.6	3227.8	3241.0	3241.0	3245.4	3241.0	3219.1	3219.1	3219.1	3210.3
7.5°	3210.3	3210.3	3214.7	3258.5	3302.4	3359.4	3359.4	3350.6	3359.4	3355.0	3315.5
10°	3026.1	3043.6	3083.1	3192.7	3298.0	3420.8	3504.1	3530.4	3530.4	3534.8	3469.0
12.5°	2697.2	2710.3	2802.4	2969.1	3188.4	3412.0	3613.8	3745.3	3758.5	3780.4	3692.7
15°	2403.3	2412.1	2477.9	2648.9	2898.9	3293.6	3675.2	3947.1	3990.9	4083.0	3951.5
17.5°	2429.6	2425.3	2442.8	2508.6	2688.4	3100.6	3662.0	4183.9	4262.8	4425.1	4311.1
20°	2587.5	2587.5	2600.7	2613.8	2679.6	2960.3	3565.5	4376.9	4530.4	4846.1	4714.6
22.5°	2837.5	2837.5	2833.1	2855.0	2855.0	3021.7	3569.9	4521.6	4749.6	5315.4	5188.2
25°	3184.0	3166.4	3166.4	3175.2	3135.7	3254.1	3679.5	4670.7	4968.9	5872.4	5762.7
27.5°	3574.3	3587.4	3578.7	3548.0	3495.3	3587.4	3942.7	4903.1	5214.5	6460.0	6416.2
30°	3999.7	4004.1	4012.9	3995.3	3951.5	4017.2	4354.9	5254.0	5539.1	7074.0	7170.5
32.5°	4416.3	4477.7	4455.8	4411.9	4429.5	4547.9	4863.7	5727.6	6021.5	7644.2	7986.2
35°	4947.0	4968.9	5056.6	4894.4	4898.8	5100.5	5512.7	6350.4	6635.5	8236.2	8802.0
37.5°	5718.9	5758.3	5718.9	5464.5	5425.0	5705.7	6144.3	6964.4	7170.5	8683.6	9560.7
40°	6477.6	6525.8	6591.6	6293.4	6043.4	6275.8	6740.7	7433.6	7648.5	8929.1	10065.0
42.5°	7104.7	7183.7	7113.5	7025.8	6797.7	6841.6	7157.4	7797.7	8012.6	9240.5	10573.8
45°	7635.4	7648.5	7679.2	7617.8	7503.8	7464.3	7512.6	8117.8	8354.6	9380.9	10823.7
47.5°	7854.7	7911.7	7938.0	8043.3	8161.7	8082.7	7815.2	8266.9	8481.8	9372.1	10902.7
50°	7736.3	7793.3	7933.6	8183.6	8468.7	8609.0	8170.4	8473.0	8714.3	9530.0	11065.0
52.5°	7424.9	7486.3	7714.3	7999.4	8477.4	8797.6	8670.4	8902.8	9135.3	9810.7	11336.9
55°	6670.5	6762.6	7082.8	7556.4	8214.3	8696.7	9196.7	9534.4	9788.7	10148.4	11617.5
57.5°	5574.1	5670.6	6030.2	6740.7	7727.5	8280.1	9350.2	10718.5	10832.5	10551.8	11643.9
60°	*4175.1*	*4254.1*	*4762.8*	*5332.9*	*6490.7*	*7517.0*	*9262.5*	*11841.2*	*12130.7*	*10481.7*	*10806.2*
62.5°	3306.8	3403.3	3855.0	4118.1	4947.0	6210.1	8955.5	12152.6	12402.6	9902.8	9639.6
65°	2583.1	2648.9	3069.9	3447.1	3648.8	4240.9	7674.9	10630.8	10854.4	8959.8	7955.5
67.5°	1706.0	1806.9	2306.8	2824.3	2929.6	2697.2	5280.3	8179.2	8284.5	7122.3	5982.0
70°	1223.6	1271.8	1644.6	2197.2	2355.1	1806.9	2877.0	6192.5	6223.2	4780.3	4030.4
72.5°	833.3	842.0	1118.3	1684.1	1877.1	1311.3	1583.2	4078.6	3973.4	2359.5	2306.8
75°	565.7	574.5	714.9	1122.7	1328.8	912.2	1030.6	2223.5	2135.8	1302.5	1399.0
77.5°	381.6	390.3	491.2	754.3	885.9	631.5	754.3	1175.3	1153.4	864.0	749.9
80°	289.5	302.6	364.0	482.4	618.4	368.4	429.8	557.0	565.7	460.5	381.6
82.5°	162.3	179.8	219.3	245.6	399.1	206.1	206.1	333.3	320.2	285.1	206.1
85°	70.2	74.6	87.7	92.1	162.3	87.7	74.6	144.7	149.1	140.3	65.8
87.5°	13.2	13.2	13.2	13.2	13.2	13.2	13.2	17.5	17.5	17.5	17.5
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°	3096.3	3096.3	3096.3	3096.3	3096.3	3096.3	3096.3	3096.3	3096.3	3096.3	3096.3
2.5°	3105.0	3131.3	3105.0	3091.9	3091.9	3069.9	3061.2	3061.2	3030.5	3043.6	3034.9
5°	3175.2	3184.0	3153.3	3113.8	3061.2	3017.3	2955.9	2877.0	2828.7	2824.3	2828.7
7.5°	3284.8	3289.2	3205.9	3118.2	2986.6	2828.7	2640.2	2486.7	2350.7	2328.8	2355.1
10°	3438.3	3429.6	3306.8	3100.6	2824.3	2491.0	2201.6	2061.2	1982.3	1977.9	1973.5
12.5°	3644.5	3587.4	3398.9	3026.1	2543.7	2157.7	2008.6	1999.8	2021.8	2039.3	2043.7
15°	3881.3	3806.7	3473.4	2881.4	2258.6	2034.9	2043.7	2118.3	2144.6	2162.1	2162.1
17.5°	4175.1	4078.6	3556.7	2675.2	2113.9	2061.2	2122.6	2192.8	2236.7	2254.2	2249.8
20°	4565.4	4363.7	3622.5	2477.9	2074.4	2105.1	2157.7	2227.9	2271.8	2293.7	2293.7
22.5°	4955.8	4705.8	3635.7	2341.9	2074.4	2109.5	2157.7	2227.9	2276.1	2298.1	2293.7
25°	5486.4	5144.3	3640.1	2245.4	2078.8	2087.6	2131.4	2192.8	2263.0	2284.9	2293.7
27.5°	6052.2	5626.8	3662.0	2223.5	2061.2	2056.9	2087.6	2144.6	2214.7	2271.8	2276.1
30°	6753.9	6170.6	3670.8	2245.4	2065.6	2008.6	2030.5	2087.6	2162.1	2219.1	2236.7
32.5°	7442.4	6674.9	3653.2	2293.7	2074.4	1977.9	1982.3	2017.4	2096.3	2135.8	2166.5
35°	8170.4	7210.0	3622.5	2359.5	2078.8	1964.8	1925.3	1942.8	1995.5	1999.8	2013.0
37.5°	8740.6	7609.1	3530.4	2447.2	2087.6	1916.5	1837.6	1824.4	1802.5	1758.6	1767.4
40°	9209.8	7876.6	3376.9	2491.0	2065.6	1859.5	1727.9	1666.5	1583.2	1517.4	1530.6
42.5°	9547.5	8056.4	3192.7	2499.8	2030.5	1763.0	1600.8	1495.5	1403.4	1333.2	1337.6
45°	9696.6	8038.9	2995.4	2434.0	1947.2	1644.6	1482.3	1381.5	1280.6	1206.0	1197.3
47.5°	9701.0	7867.8	2723.5	2276.1	1806.9	1508.7	1372.7	1263.1	1179.7	1127.1	1122.7
50°	9736.1	7771.3	2469.1	2048.1	1622.7	1363.9	1276.2	1166.6	1118.3	1043.8	1021.9
52.5°	9955.4	7929.2	2293.7	1798.1	1451.6	1258.7	1192.9	1096.4	1017.5	969.2	964.8
55°	10310.6	8201.1	2197.2	1609.5	1289.4	1157.8	1114.0	1030.6	960.5	912.2	899.1
57.5°	10354.5	8341.5	2083.2	1434.1	1157.8	1078.9	1061.3	969.2	868.4	833.3	820.1
60°	*9740.5*	*8104.7*	*1942.8*	*1271.8*	*1061.3*	*1017.5*	*1008.7*	*885.9*	*802.6*	*758.7*	*741.2*
62.5°	8902.8	7512.6	1727.9	1122.7	986.8	956.1	921.0	824.5	719.2	671.0	657.8
65°	7275.8	6315.3	1469.2	1021.9	912.2	877.1	868.4	736.8	666.6	640.3	635.9
67.5°	5512.7	5074.2	1293.8	947.3	833.3	820.1	789.4	745.6	714.9	684.2	675.4
70°	3898.8	3662.0	1100.8	850.8	754.3	732.4	859.6	811.3	701.7	662.2	657.8
72.5°	2363.9	2298.1	951.7	763.1	649.1	684.2	793.8	732.4	631.5	583.3	565.7
75°	1491.1	1363.9	798.2	649.1	517.5	557.0	692.9	653.5	543.8	495.6	482.4
77.5°	811.3	754.3	600.8	530.7	407.9	451.7	605.2	539.4	434.2	473.6	421.0
80°	355.2	394.7	399.1	307.0	271.9	333.3	434.2	421.0	333.3	337.7	280.7
82.5°	171.0	223.7	258.8	210.5	153.5	197.4	289.5	241.2	223.7	210.5	201.7
85°	52.6	83.3	114.0	100.9	70.2	83.3	136.0	131.6	157.9	136.0	127.2
87.5°	17.5	17.5	13.2	13.2	13.2	17.5	21.9	13.2	4.4	4.4	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°	3096.3	3096.3	3096.3	3096.3	3096.3	3096.3	3096.3	3096.3	3096.3	3096.3	3096.3
2.5°	3030.5	3034.9	3034.9	3039.2	3039.2	3052.4	3069.9	3087.5	3074.3	3091.9	3096.3
5°	2820.0	2841.9	2859.4	2925.2	2977.8	3021.7	3069.9	3113.8	3127.0	3135.7	3157.7
7.5°	2324.4	2385.8	2499.8	2648.9	2815.6	2977.8	3087.5	3201.5	3219.1	3241.0	3271.7
10°	1977.9	2004.2	2083.2	2236.7	2534.9	2855.0	3122.6	3302.4	3376.9	3420.8	3451.5
12.5°	2034.9	2017.4	2004.2	2026.2	2219.1	2631.4	3100.6	3447.1	3587.4	3635.7	3675.2
15°	2170.9	2153.3	2105.1	2043.7	2065.6	2394.6	3026.1	3583.1	3806.7	3885.7	3969.0
17.5°	2249.8	2232.3	2192.8	2127.0	2070.0	2197.2	2885.7	3705.9	4153.2	4249.7	4368.1
20°	2293.7	2276.1	2236.7	2170.9	2105.1	2122.6	2705.9	3859.4	4547.9	4701.4	4876.8
22.5°	2302.5	2280.5	2236.7	2170.9	2131.4	2118.3	2534.9	3951.5	4973.3	5210.1	5411.9
25°	2298.1	2258.6	2201.6	2153.3	2131.4	2127.0	2416.5	4004.1	5433.8	5811.0	6039.0
27.5°	2267.4	2219.1	2162.1	2127.0	2118.3	2144.6	2363.9	4065.5	5973.2	6455.7	6819.7
30°	2232.3	2162.1	2091.9	2078.8	2100.7	2184.0	2407.7	4087.4	6539.0	7157.4	7530.1
32.5°	2140.2	2087.6	2017.4	2013.0	2065.6	2214.7	2508.6	4056.7	7038.9	7859.1	8328.3
35°	2008.6	1977.9	1938.5	1951.6	2034.9	2241.1	2578.8	3960.2	7495.0	8512.5	9060.7
37.5°	1776.2	1798.1	1820.0	1850.7	1956.0	2236.7	2609.5	3806.7	7872.2	9034.4	9736.1
40°	1517.4	1592.0	1662.2	1741.1	1881.4	2201.6	2618.2	3618.1	8091.5	9429.1	10336.9
42.5°	1355.2	1425.3	1513.0	1627.1	1780.6	2122.6	2609.5	3407.6	8161.7	9701.0	10718.5
45°	1206.0	1289.4	1399.0	1517.4	1692.9	2008.6	2530.5	3179.6	8196.7	9828.2	10880.8
47.5°	1127.1	1175.3	1276.2	1394.6	1578.8	1868.3	2377.0	3012.9	8144.1	9854.5	11078.1
50°	1035.0	1100.8	1166.6	1280.6	1460.4	1692.9	2192.8	2916.4	8231.8	10113.3	11389.5
52.5°	964.8	999.9	1070.1	1175.3	1306.9	1530.6	2017.4	2837.5	8473.0	10376.4	11714.0
55°	912.2	951.7	995.5	1083.3	1184.1	1368.3	1837.6	2719.1	8753.7	10657.1	12038.6
57.5°	828.9	855.2	916.6	1008.7	1074.5	1210.4	1627.1	2578.8	8731.8	10437.8	11477.2
60°	*754.3*	*780.6*	*846.4*	*938.5*	*978.0*	*1070.1*	*1420.9*	*2398.9*	*8310.8*	*9722.9*	*10442.2*
62.5°	671.0	701.7	780.6	846.4	881.5	951.7	1206.0	2070.0	7433.6	8648.5	9231.8
65°	635.9	653.5	706.1	785.0	780.6	846.4	1017.5	1627.1	5982.0	6609.1	7139.8
67.5°	675.4	701.7	692.9	714.9	701.7	736.8	912.2	1306.9	4701.4	4977.7	5284.7
70°	666.6	728.0	758.7	714.9	614.0	653.5	789.4	1043.8	3363.8	3337.5	3324.3
72.5°	583.3	644.7	732.4	776.3	600.8	543.8	684.2	903.4	2157.7	2149.0	1942.8
75°	495.6	539.4	644.7	701.7	517.5	438.6	587.7	767.5	1289.4	1306.9	1166.6
77.5°	456.1	434.2	539.4	618.4	421.0	337.7	473.6	578.9	710.5	719.2	666.6
80°	328.9	315.8	403.5	451.7	320.2	241.2	267.5	359.6	381.6	342.1	355.2
82.5°	210.5	214.9	241.2	289.5	197.4	131.6	184.2	241.2	206.1	166.7	197.4
85°	136.0	153.5	127.2	149.1	61.4	61.4	78.9	105.3	70.2	48.2	52.6
87.5°	0.0	0.0	8.8	17.5	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: P1501383
CATALOG NUMBER: GSS-SB3C-727-U-T2LG

CANDELA DISTRIBUTION (continued):

	285°	293°	295°	305°	315°	325°	335°	345°	355°	360°
0°	3096.3	3096.3	*3096.3*	3096.3	3096.3	3096.3	3096.3	3096.3	3096.3	3096.3
2.5°	3109.4	3105.0	*3105.0*	3113.8	3135.7	3144.5	3157.7	3153.3	3166.4	3157.7
5°	3170.8	3175.2	*3188.4*	3192.7	3205.9	3223.4	3227.8	3223.4	3232.2	3232.2
7.5°	3293.6	3311.2	*3302.4*	3324.3	3306.8	3284.8	3249.8	3223.4	3201.5	3210.3
10°	3499.7	3491.0	*3486.6*	3447.1	3368.2	3254.1	3162.0	3061.2	3043.6	3026.1
12.5°	3727.8	3719.0	*3719.0*	3583.1	3359.4	3122.6	2912.1	2754.2	2701.6	2697.2
15°	4047.9	3990.9	*3938.3*	3653.2	3205.9	2802.4	2556.8	2434.0	2403.3	2403.3
17.5°	4447.0	4297.9	*4210.2*	3600.6	2955.9	2591.9	2447.2	2416.5	2407.7	2429.6
20°	4942.6	4565.4	*4438.3*	3482.2	2863.8	2618.2	2548.1	2552.4	2556.8	2587.5
22.5°	5486.4	4811.0	*4600.5*	3482.2	2955.9	2784.9	2749.8	2798.0	2811.2	2837.5
25°	6091.6	5030.3	*4745.3*	3666.4	3227.8	3100.6	3056.8	3105.0	3140.1	3184.0
27.5°	6771.4	5258.4	*4995.2*	3999.7	3578.7	3499.7	3451.5	3473.4	3521.7	3574.3
30°	7381.0	5639.9	*5376.8*	4508.4	4056.7	3960.2	3876.9	3912.0	3964.6	3999.7
32.5°	7920.5	6104.8	*5881.1*	5043.5	4604.9	4438.3	4346.2	4337.4	4442.6	4416.3
35°	8416.0	6653.0	*6438.1*	5653.1	5161.9	4955.8	4833.0	4990.9	4920.7	4947.0
37.5°	8806.4	7223.1	*7052.1*	6236.4	5740.8	5460.1	5385.6	5578.5	5688.2	5718.9
40°	9126.5	7718.7	*7538.9*	6815.3	6271.5	6065.3	6183.7	6503.9	6490.7	6477.6
42.5°	9372.1	8144.1	*7946.8*	7253.8	6780.2	6819.7	6911.8	7126.7	7179.3	7104.7
45°	9481.7	8411.6	*8253.8*	7600.3	7359.1	7587.1	7626.6	7718.7	7683.6	7635.4
47.5°	9608.9	8648.5	*8481.8*	7916.1	7986.2	8209.9	8131.0	8056.4	7929.2	7854.7
50°	9823.8	8929.1	*8788.8*	8376.6	8630.9	8556.4	8249.4	8082.7	7824.0	7736.3
52.5°	10231.7	9459.8	*9354.6*	9104.6	8933.5	8503.7	8131.0	7832.7	7543.3	7424.9
55°	10595.7	10179.1	*10117.7*	9784.3	8841.4	8227.4	7727.5	7267.0	6771.4	6670.5
57.5°	10806.2	11371.9	*11442.1*	10073.8	8420.4	7600.3	6863.5	6126.7	5657.5	5574.1
60°	*10179.1*	*12661.3*	*12696.4*	*10016.8*	*7661.7*	*6468.8*	*5346.1*	*4824.2*	*4319.8*	*4175.1*
62.5°	9315.1	12393.8	*12363.1*	9674.7	6100.4	4718.9	4061.1	3815.5	3425.2	3306.8
65°	8008.2	10323.8	*10358.9*	8359.0	4056.7	3412.0	3412.0	3100.6	2666.5	2583.1
67.5°	6525.8	7959.9	*7881.0*	5420.6	2491.0	2732.2	2863.8	2416.5	1806.9	1706.0
70°	4240.9	6078.5	*5968.8*	3127.0	1565.7	2276.1	2254.2	1815.7	1293.8	1223.6
72.5°	1824.4	3512.9	*3736.6*	1596.4	1179.7	1833.2	1798.1	1271.8	864.0	833.3
75°	1100.8	1767.4	*1925.3*	1017.5	859.6	1381.5	1245.5	807.0	587.7	565.7
77.5°	697.3	969.2	*960.5*	763.1	644.7	934.1	837.7	557.0	399.1	381.6
80°	403.5	478.0	*495.6*	478.0	434.2	666.6	535.0	403.5	311.4	289.5
82.5°	258.8	298.2	*302.6*	232.4	241.2	429.8	289.5	236.8	179.8	162.3
85°	114.0	127.2	*122.8*	78.9	78.9	175.4	100.9	96.5	70.2	70.2
87.5°	4.4	8.8	*4.4*	4.4	4.4	17.5	8.8	13.2	13.2	13.2
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: SP1-2407-184-3

Test Date: 10/09/2024

Luminaire Tested: GSS-SB1A-727-U-5WQ

Data in this report applies to families of products including GSS-SB1A-727-U-5WQ

Report Generated By FNC07603 / LDUCLS01DT446
Version: v7.04

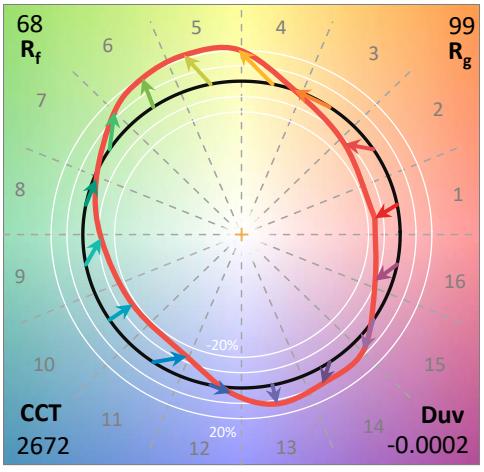
Test Information

Test Method:	LM-79-2019
Report Number:	SP1-2407-184-3
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-727-U-5WQ**
Description:	GALLEON II SITE SLIM 1SQ 350MA 5WQ HIGH DENSITY LIGHTSQUARE WITH 70 CRI 2700K CCT 26 LEDS

Spectral Parameters

CCT (K):	2672
CIE u':	0.2638
CIE v':	0.5276
Duv:	-0.0002
CIE x:	0.4619
CIE y:	0.4106
CIE z:	0.1275
Peak Wavelength (nm):	601
Dominant Wavelength (nm):	584
Purity:	61.88407
Rf:	67.9
Rg:	98.6

CRI (Ra):	71.1
R1:	68.3
R2:	79.8
R3:	91.2
R4:	69.4
R5:	66.5
R6:	72.6
R7:	77.0
R8:	44.1
R9:	-27.8
R10:	54.4
R11:	65.8
R12:	45.6
R13:	69.8
R14:	94.5
R15:	60.1



Test Conditions

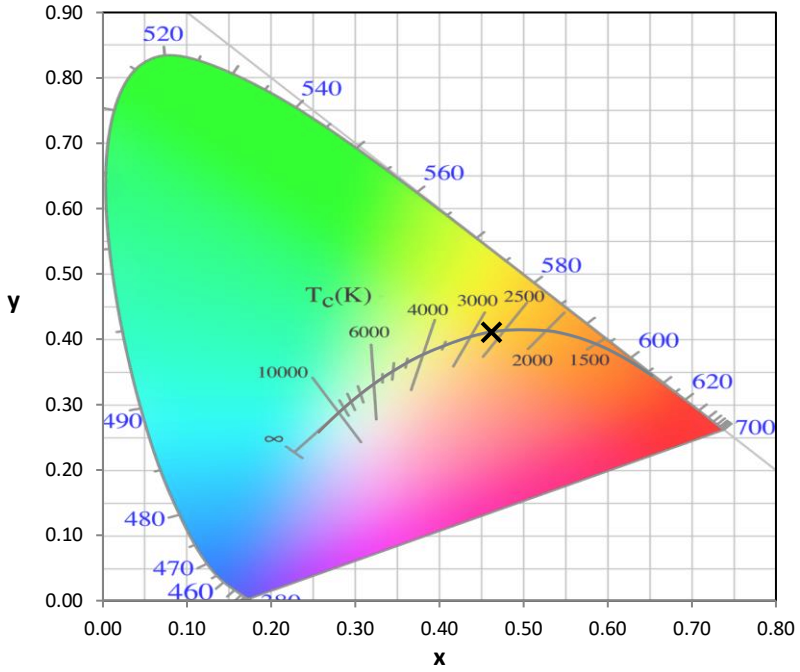
Stabilization Time:	21M
Operation Time:	1H 21M
Sphere Temperature (°C):	25.2

REPORT NUMBER: SP1-2407-184-3

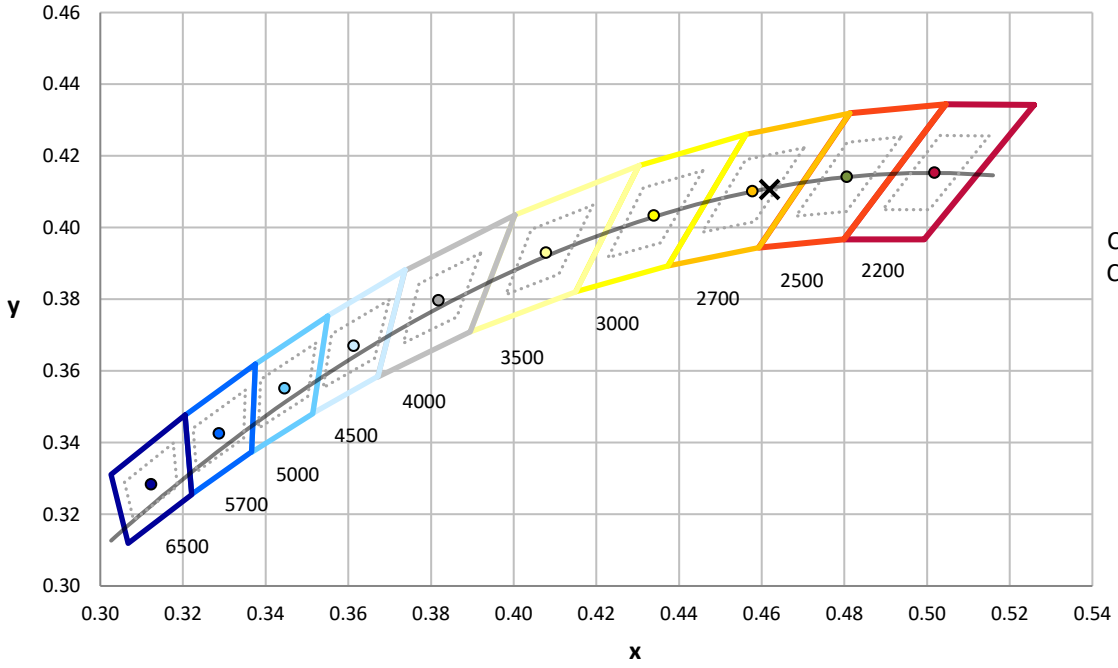
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

REPORT NUMBER: SP1-2407-184-3

CIE 1931 Chromaticity Diagram



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

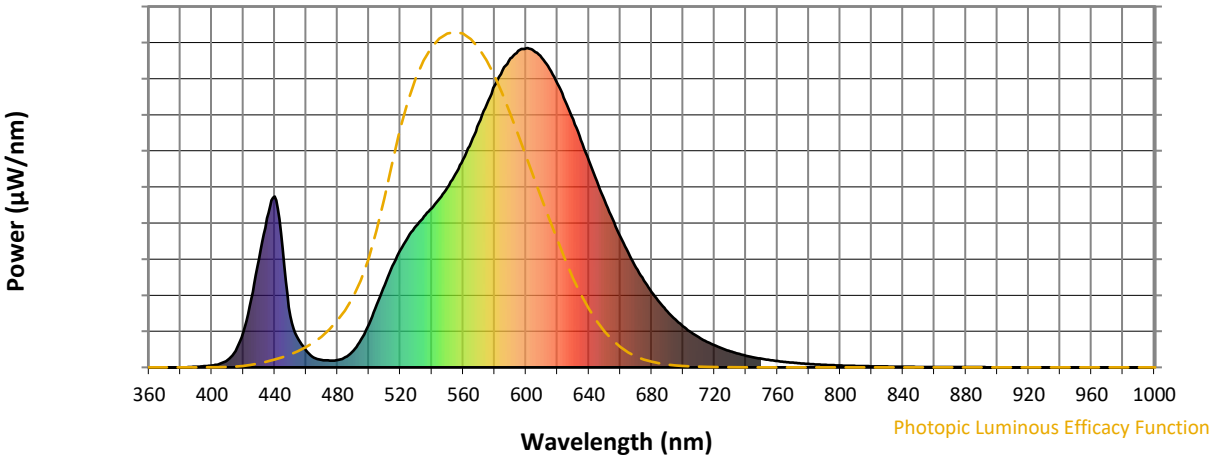


CCT = 2672K
CIE x = 0.4619
CIE y = 0.4106
Duv = -0.0002

Point lies inside the ANSI 2700K 4-step quadrangle

REPORT NUMBER: SP1-2407-184-3

Photopic Flux vs. Wavelength

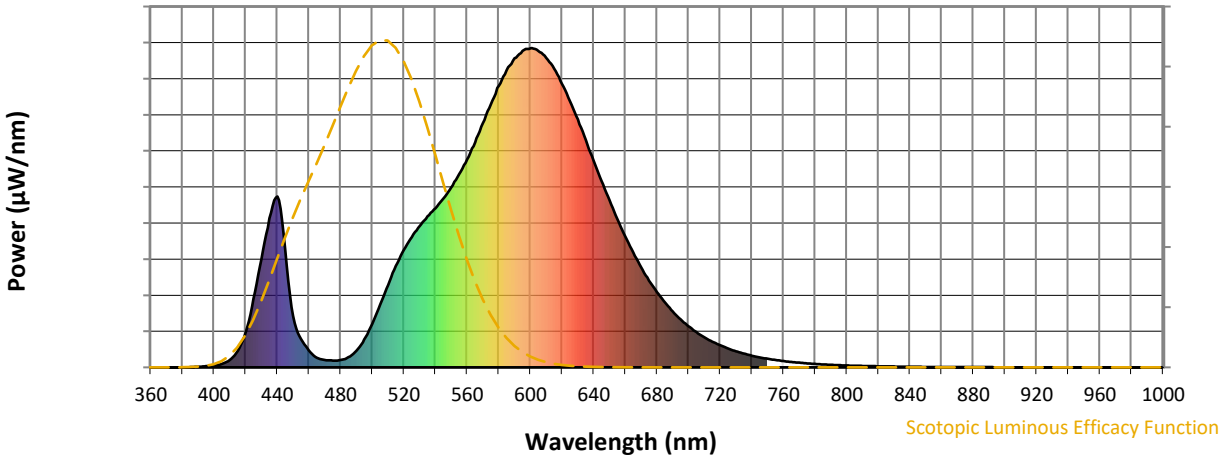


Photopic Lumens: NR

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	52	NR	620	888	NR	750	27	NR	880	1	NR
365	0	NR	495	87	NR	625	834	NR	755	23	NR	885	1	NR
370	0	NR	500	135	NR	630	776	NR	760	20	NR	890	1	NR
375	0	NR	505	196	NR	635	712	NR	765	17	NR	895	0	NR
380	0	NR	510	258	NR	640	648	NR	770	15	NR	900	0	NR
385	1	NR	515	317	NR	645	583	NR	775	12	NR	905	0	NR
390	2	NR	520	368	NR	650	523	NR	780	11	NR	910	0	NR
395	4	NR	525	408	NR	655	465	NR	785	9	NR	915	0	NR
400	6	NR	530	443	NR	660	410	NR	790	8	NR	920	0	NR
405	11	NR	535	473	NR	665	360	NR	795	7	NR	925	0	NR
410	23	NR	540	498	NR	670	313	NR	800	6	NR	930	0	NR
415	51	NR	545	530	NR	675	272	NR	805	5	NR	935	0	NR
420	111	NR	550	563	NR	680	236	NR	810	4	NR	940	0	NR
425	214	NR	555	605	NR	685	203	NR	815	4	NR	945	0	NR
430	339	NR	560	651	NR	690	175	NR	820	3	NR	950	0	NR
435	467	NR	565	705	NR	695	150	NR	825	3	NR	955	0	NR
440	535	NR	570	765	NR	700	128	NR	830	3	NR	960	0	NR
445	372	NR	575	824	NR	705	110	NR	835	2	NR	965	0	NR
450	160	NR	580	882	NR	710	94	NR	840	2	NR	970	0	NR
455	89	NR	585	930	NR	715	80	NR	845	2	NR	975	0	NR
460	53	NR	590	968	NR	720	69	NR	850	1	NR	980	0	NR
465	31	NR	595	991	NR	725	59	NR	855	1	NR	985	0	NR
470	23	NR	600	999	NR	730	50	NR	860	1	NR	990	0	NR
475	21	NR	605	992	NR	735	43	NR	865	1	NR	995	0	NR
480	23	NR	610	969	NR	740	36	NR	870	1	NR	1000	0	NR
485	32	NR	615	935	NR	745	31	NR	875	1	NR			

REPORT NUMBER: SP1-2407-184-3

Scotopic Flux vs. Wavelength

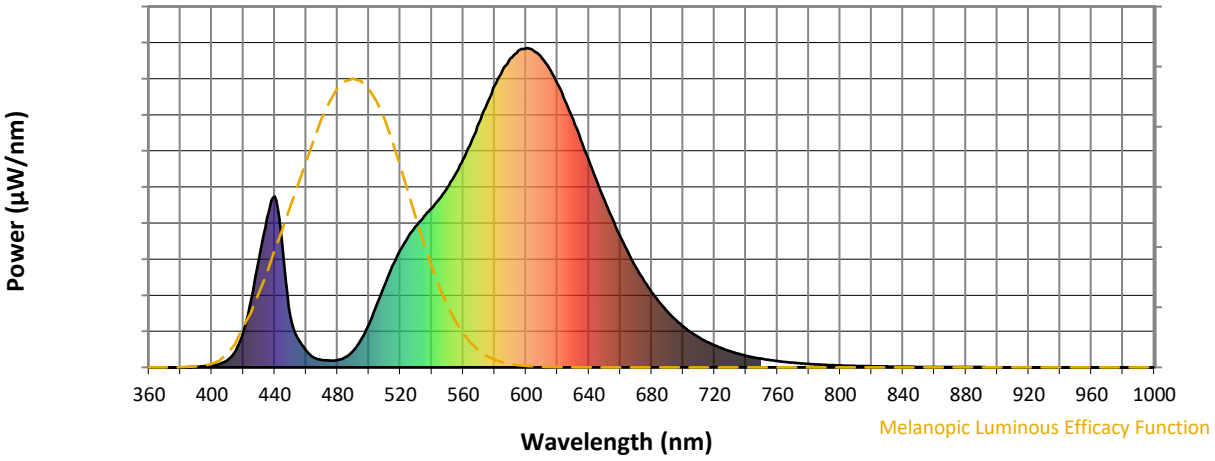


Scotopic Lumens: NR **S/P: 1.02**

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	52	NR	620	888	NR	750	27	NR	880	1	NR
365	0	NR	495	87	NR	625	834	NR	755	23	NR	885	1	NR
370	0	NR	500	135	NR	630	776	NR	760	20	NR	890	1	NR
375	0	NR	505	196	NR	635	712	NR	765	17	NR	895	0	NR
380	0	NR	510	258	NR	640	648	NR	770	15	NR	900	0	NR
385	1	NR	515	317	NR	645	583	NR	775	12	NR	905	0	NR
390	2	NR	520	368	NR	650	523	NR	780	11	NR	910	0	NR
395	4	NR	525	408	NR	655	465	NR	785	9	NR	915	0	NR
400	6	NR	530	443	NR	660	410	NR	790	8	NR	920	0	NR
405	11	NR	535	473	NR	665	360	NR	795	7	NR	925	0	NR
410	23	NR	540	498	NR	670	313	NR	800	6	NR	930	0	NR
415	51	NR	545	530	NR	675	272	NR	805	5	NR	935	0	NR
420	111	NR	550	563	NR	680	236	NR	810	4	NR	940	0	NR
425	214	NR	555	605	NR	685	203	NR	815	4	NR	945	0	NR
430	339	NR	560	651	NR	690	175	NR	820	3	NR	950	0	NR
435	467	NR	565	705	NR	695	150	NR	825	3	NR	955	0	NR
440	535	NR	570	765	NR	700	128	NR	830	3	NR	960	0	NR
445	372	NR	575	824	NR	705	110	NR	835	2	NR	965	0	NR
450	160	NR	580	882	NR	710	94	NR	840	2	NR	970	0	NR
455	89	NR	585	930	NR	715	80	NR	845	2	NR	975	0	NR
460	53	NR	590	968	NR	720	69	NR	850	1	NR	980	0	NR
465	31	NR	595	991	NR	725	59	NR	855	1	NR	985	0	NR
470	23	NR	600	999	NR	730	50	NR	860	1	NR	990	0	NR
475	21	NR	605	992	NR	735	43	NR	865	1	NR	995	0	NR
480	23	NR	610	969	NR	740	36	NR	870	1	NR	1000	0	NR
485	32	NR	615	935	NR	745	31	NR	875	1	NR			

REPORT NUMBER: SP1-2407-184-3

Melanopic Flux vs. Wavelength



Melanopic Lumens: NR **M/P: 1.71**

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	52	NR	620	888	NR	750	27	NR	880	1	NR
365	0	NR	495	87	NR	625	834	NR	755	23	NR	885	1	NR
370	0	NR	500	135	NR	630	776	NR	760	20	NR	890	1	NR
375	0	NR	505	196	NR	635	712	NR	765	17	NR	895	0	NR
380	0	NR	510	258	NR	640	648	NR	770	15	NR	900	0	NR
385	1	NR	515	317	NR	645	583	NR	775	12	NR	905	0	NR
390	2	NR	520	368	NR	650	523	NR	780	11	NR	910	0	NR
395	4	NR	525	408	NR	655	465	NR	785	9	NR	915	0	NR
400	6	NR	530	443	NR	660	410	NR	790	8	NR	920	0	NR
405	11	NR	535	473	NR	665	360	NR	795	7	NR	925	0	NR
410	23	NR	540	498	NR	670	313	NR	800	6	NR	930	0	NR
415	51	NR	545	530	NR	675	272	NR	805	5	NR	935	0	NR
420	111	NR	550	563	NR	680	236	NR	810	4	NR	940	0	NR
425	214	NR	555	605	NR	685	203	NR	815	4	NR	945	0	NR
430	339	NR	560	651	NR	690	175	NR	820	3	NR	950	0	NR
435	467	NR	565	705	NR	695	150	NR	825	3	NR	955	0	NR
440	535	NR	570	765	NR	700	128	NR	830	3	NR	960	0	NR
445	372	NR	575	824	NR	705	110	NR	835	2	NR	965	0	NR
450	160	NR	580	882	NR	710	94	NR	840	2	NR	970	0	NR
455	89	NR	585	930	NR	715	80	NR	845	2	NR	975	0	NR
460	53	NR	590	968	NR	720	69	NR	850	1	NR	980	0	NR
465	31	NR	595	991	NR	725	59	NR	855	1	NR	985	0	NR
470	23	NR	600	999	NR	730	50	NR	860	1	NR	990	0	NR
475	21	NR	605	992	NR	735	43	NR	865	1	NR	995	0	NR
480	23	NR	610	969	NR	740	36	NR	870	1	NR	1000	0	NR
485	32	NR	615	935	NR	745	31	NR	875	1	NR			

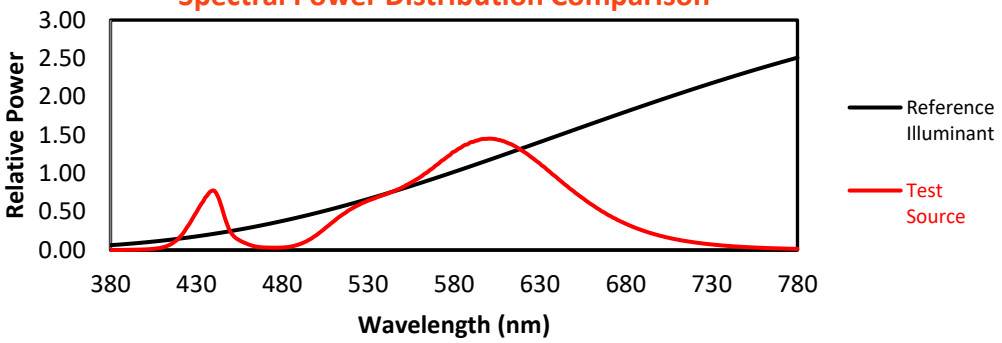
REPORT NUMBER: SP1-2407-184-3

TM-30-18

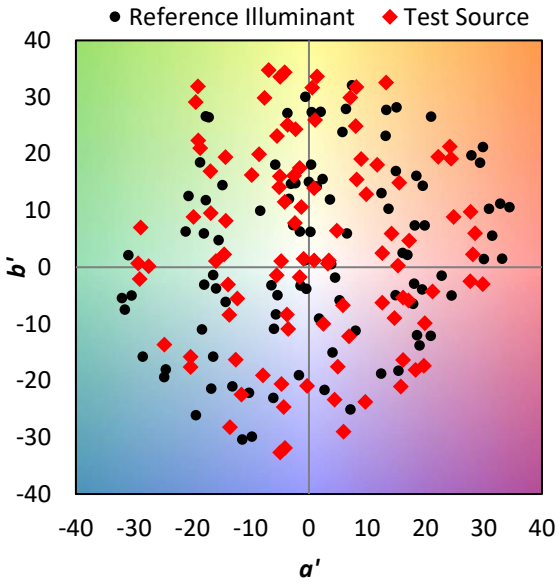
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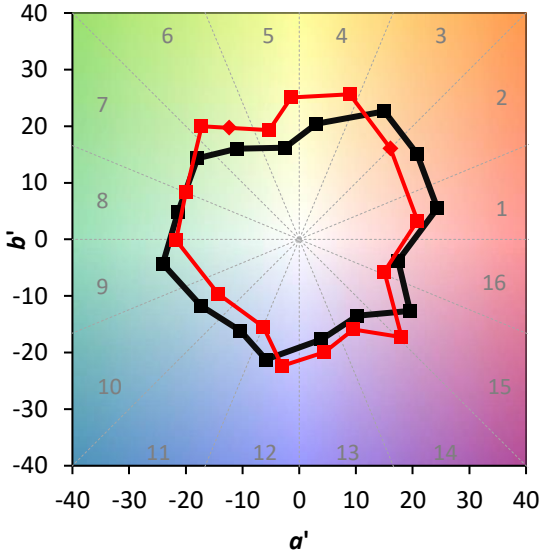
R_f = 67.9
R_g = 98.6
CIE R_a = 71.1
R_9 = -27.8

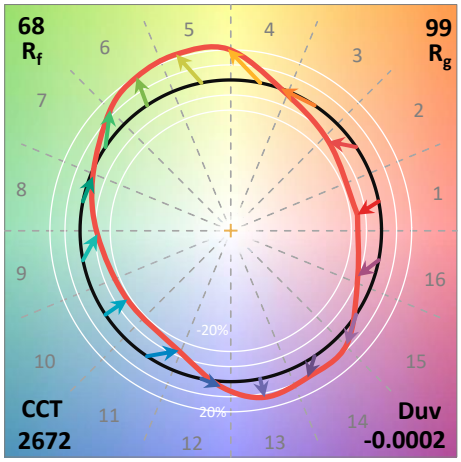
Spectral Power Distribution Comparison

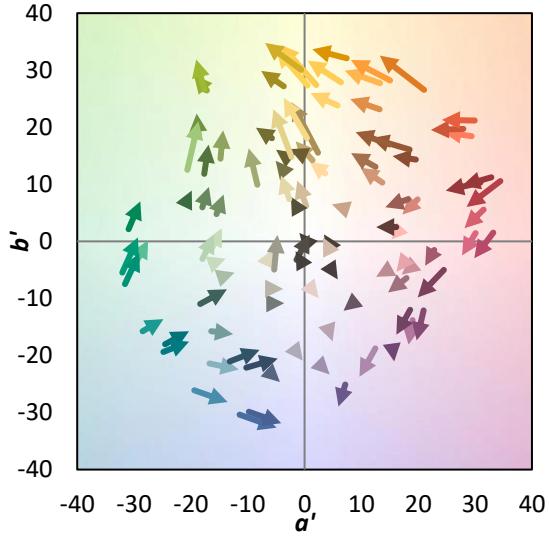


Color Vector Graphics







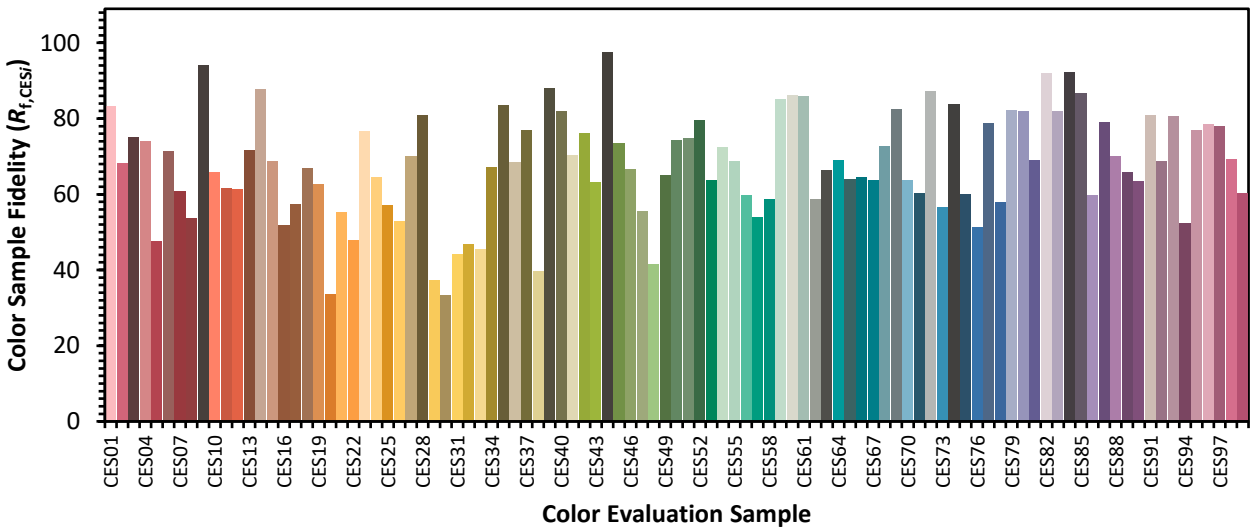


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Individual Sample Fidelity Index ($R_{f,i}$)

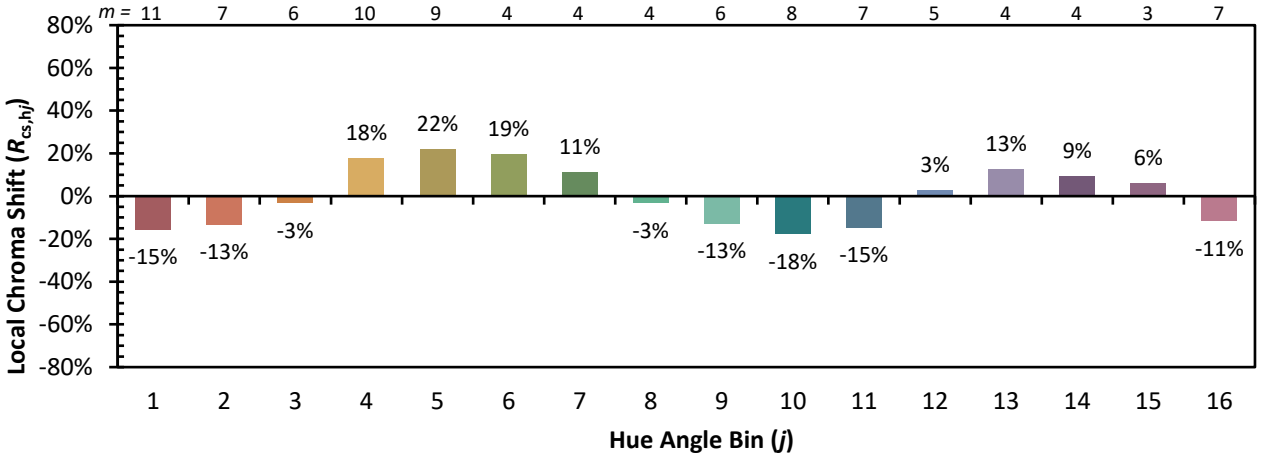
CES01 = 86	CES26 = 53	CES51 = 75	CES76 = 51
CES02 = 63	CES27 = 70	CES52 = 80	CES77 = 79
CES03 = 31	CES28 = 81	CES53 = 64	CES78 = 58
CES04 = 71	CES29 = 37	CES54 = 73	CES79 = 82
CES05 = 50	CES30 = 33	CES55 = 69	CES80 = 82
CES06 = 52	CES31 = 44	CES56 = 60	CES81 = 69
CES07 = 42	CES32 = 47	CES57 = 54	CES82 = 92
CES08 = 41	CES33 = 45	CES58 = 59	CES83 = 82
CES09 = 29	CES34 = 67	CES59 = 85	CES84 = 92
CES10 = 77	CES35 = 84	CES60 = 86	CES85 = 87
CES11 = 60	CES36 = 68	CES61 = 86	CES86 = 60
CES12 = 66	CES37 = 77	CES62 = 59	CES87 = 79
CES13 = 44	CES38 = 40	CES63 = 66	CES88 = 70
CES14 = 74	CES39 = 88	CES64 = 69	CES89 = 66
CES15 = 72	CES40 = 82	CES65 = 64	CES90 = 64
CES16 = 48	CES41 = 70	CES66 = 65	CES91 = 81
CES17 = 51	CES42 = 76	CES67 = 64	CES92 = 69
CES18 = 57	CES43 = 63	CES68 = 73	CES93 = 81
CES19 = 73	CES44 = 97	CES69 = 83	CES94 = 53
CES20 = 67	CES45 = 74	CES70 = 64	CES95 = 77
CES21 = 88	CES46 = 67	CES71 = 60	CES96 = 79
CES22 = 80	CES47 = 55	CES72 = 87	CES97 = 78
CES23 = 92	CES48 = 42	CES73 = 57	CES98 = 69
CES24 = 92	CES49 = 65	CES74 = 84	CES99 = 60
CES25 = 73	CES50 = 74	CES75 = 60	

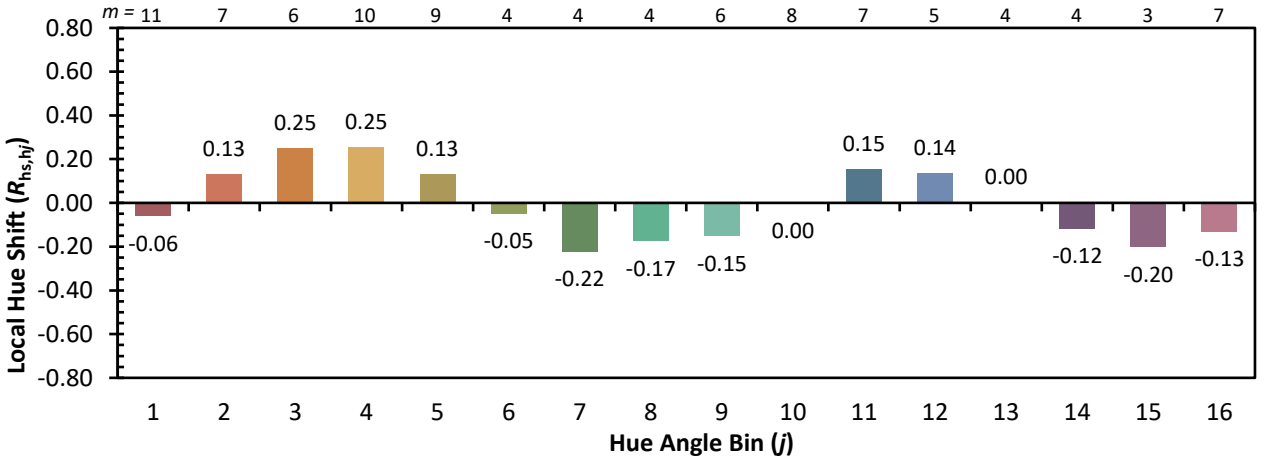


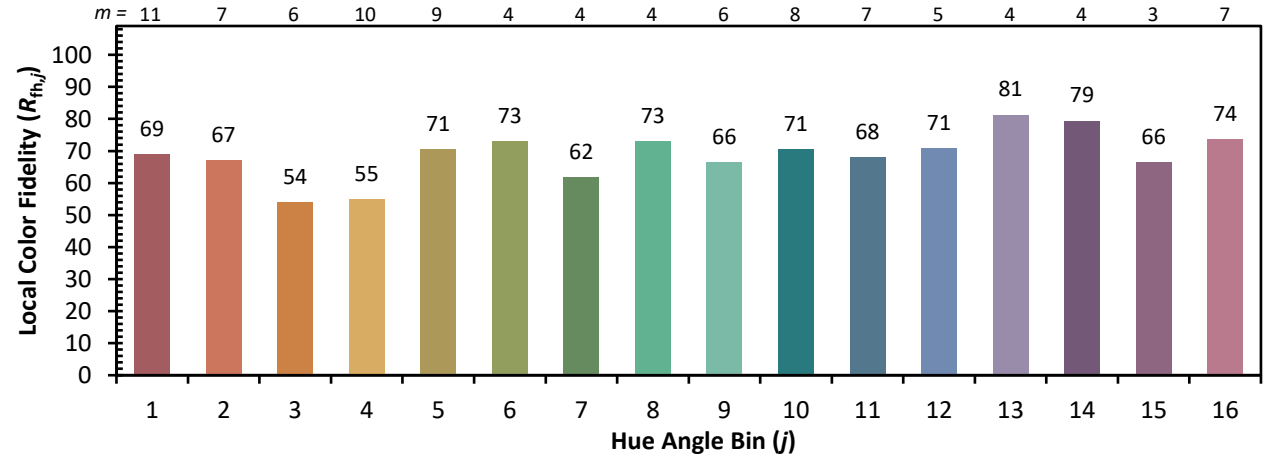
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Color Rendition by Hue-Angle Bin



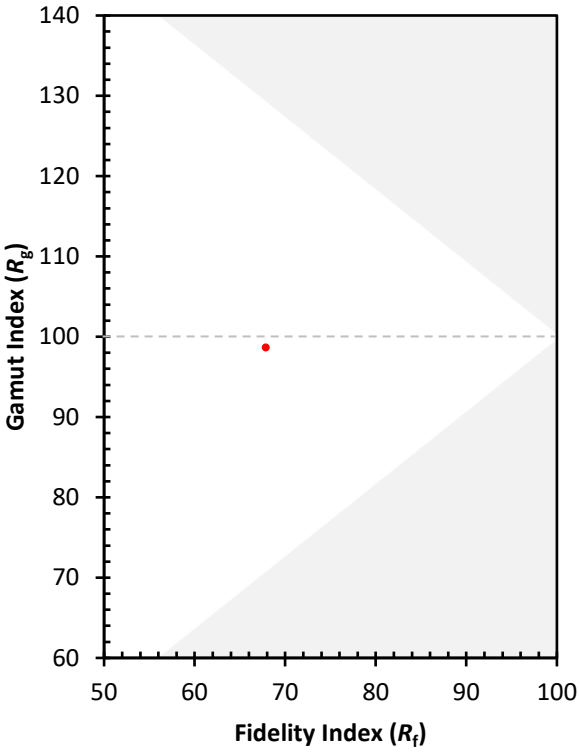


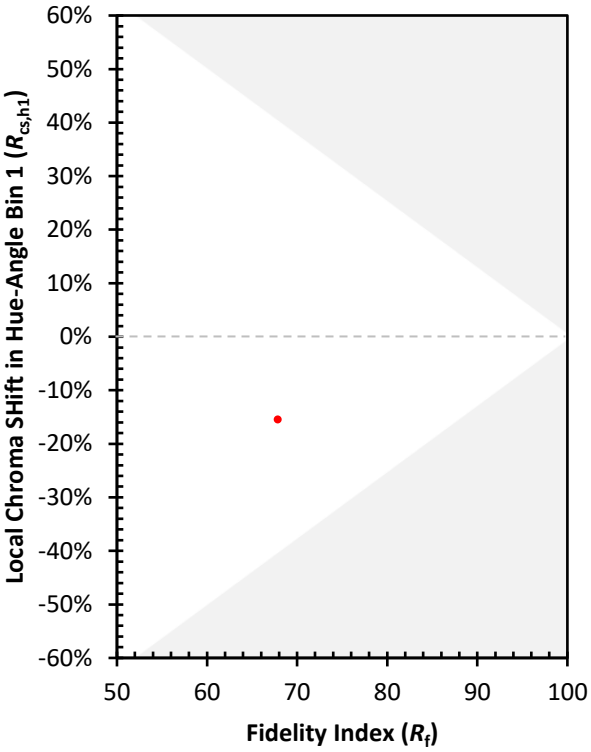


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Measure Comparisons





(END OF REPORT)