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: P1501555

Luminaire Tested: GSS-SB4C-835-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:	P1501555
Test Lab:	INNOVATION CENTER(G1)
Issue Date:	7/20/2026
Manufacturer:	COOPER LIGHTING SOLUTIONS
Product Line:	McGRAW-EDISON
Catalog Number:	GSS-SB4C-835-U-T2LG
Description:	GALLEON II SLIM SITE HIGH DENSITY LED ARRAYS 4SQUARE 204W 80CRI 3500K FIXTURE w/ TYPE II LOW GLARE DISTRIBUTION FIXTURE
Light Source:	(104) 3500K CCT, 80 CRI LEDS
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	26753.2 lumens
Efficiency:	N/A
Efficacy:	131.1 lumens/watt
Luminous Opening:	Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification:	Type II - Short
BUG Rating:	B3 - U0 - G3

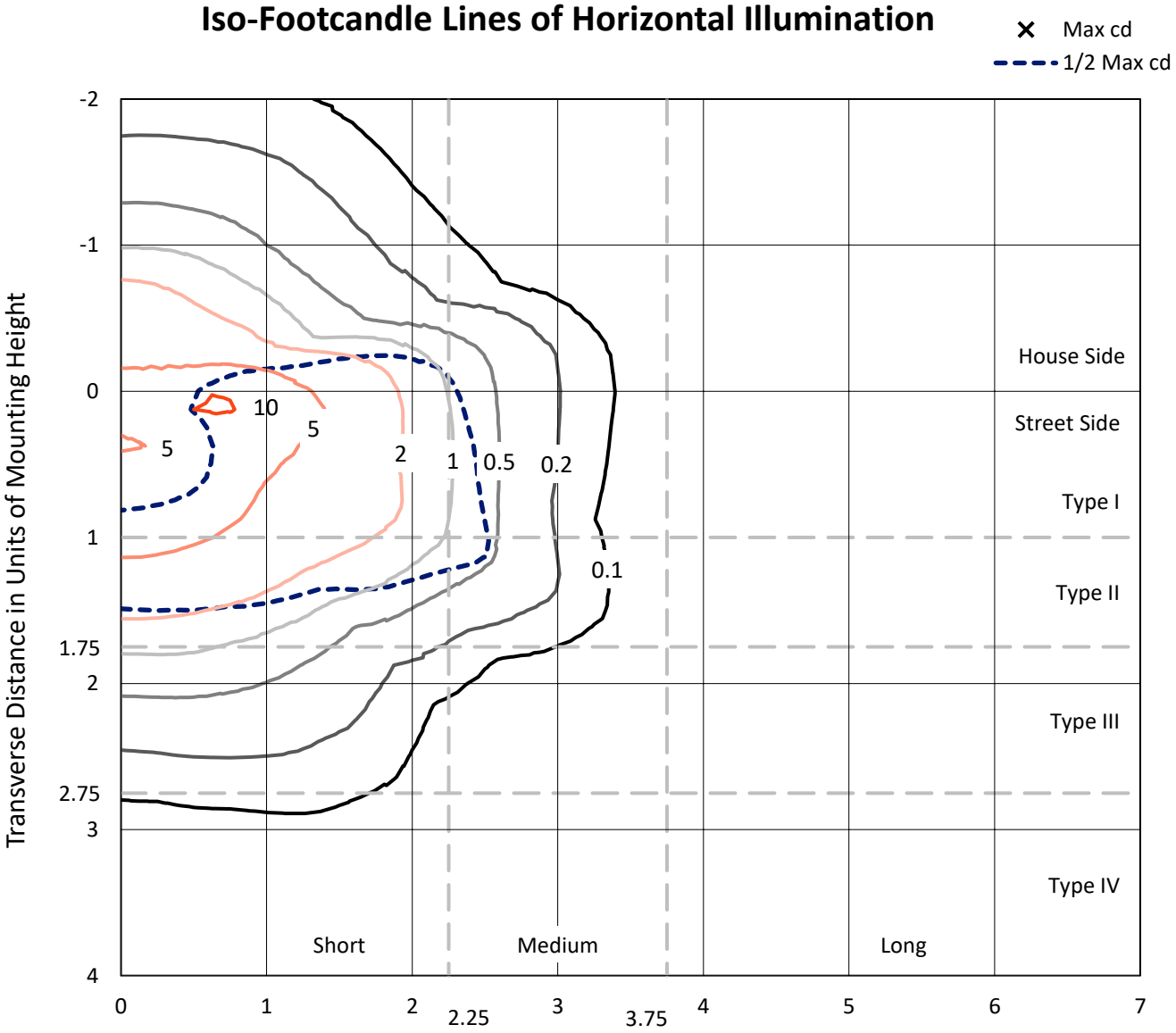
Input Watts (W):	204
Input Voltage (V):	120
Input Current (Ain):	NR
Voltage Rise (V):	NR
Power Factor:	0.98
Total Harmonic Distortion (THDi):	9.5%
Frequency (hertz):	60
Stabilization Time:	NR
Operation Time:	NR
Ambient Temperature (°C):	NR
Test Distance:	28.75 FT

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Iso-Footcandle Lines of Horizontal Illumination



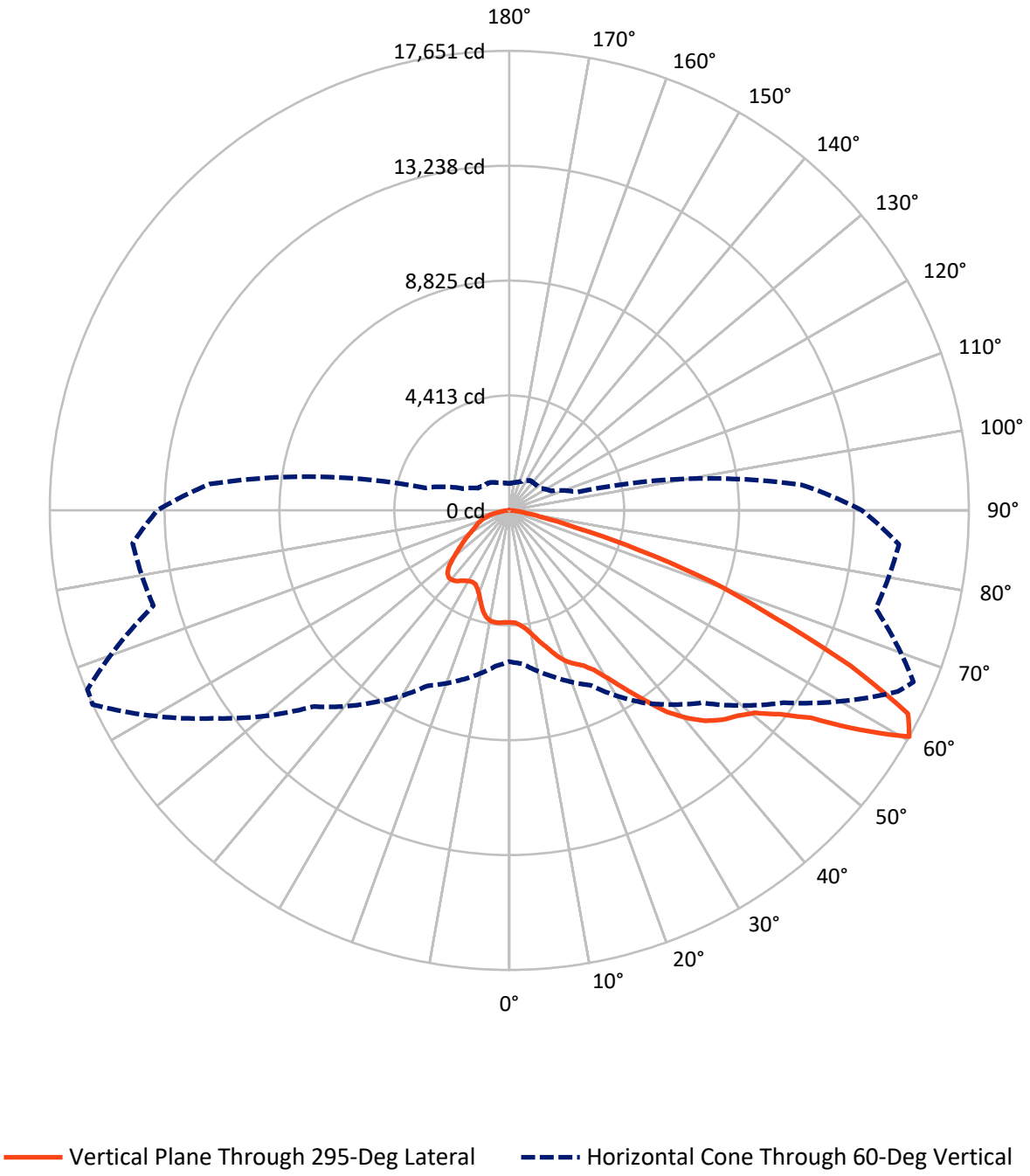
Based on 25 foot mounting height. Maximum calculated value = 10.4 fc
Type II - Short - N/A

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Luminous Intensity Polar Plot



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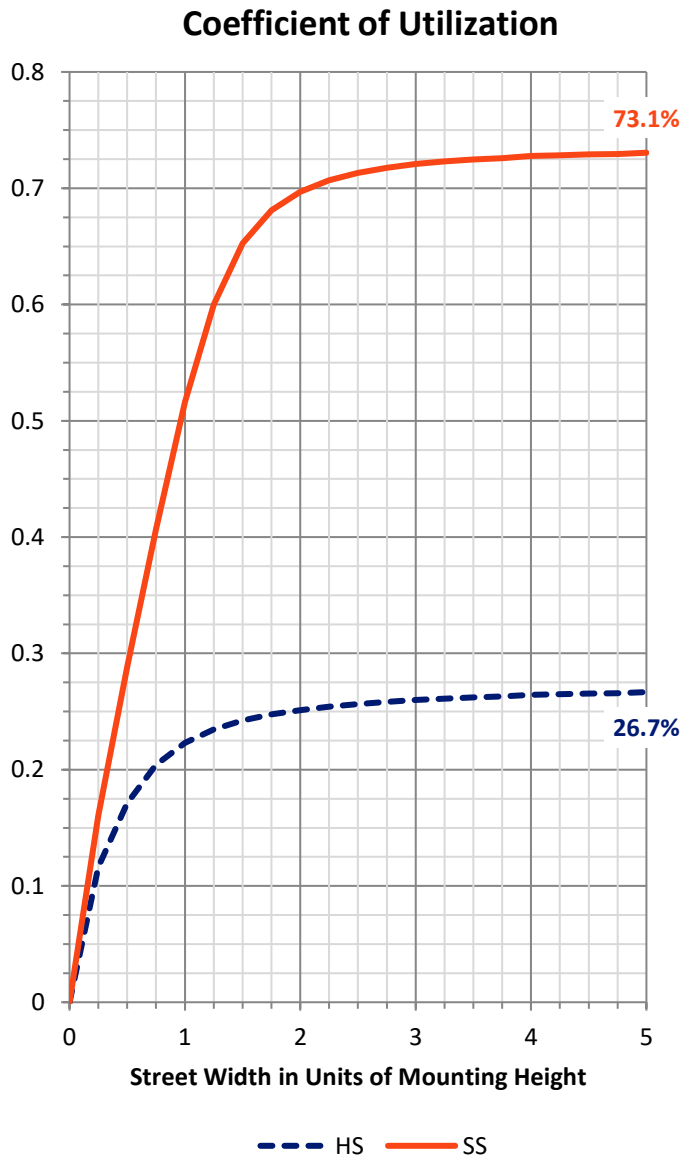
REPORT NUMBER: P1501555
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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	7194.3	0.0	7194.3
	% Fixture	26.9	0.0	26.9
Street Side	Lumens	19559.0	0.0	19559.0
	% Fixture	73.1	0.0	73.1
Total	Lumens	26753.2	0.0	26753.2
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	404.7	1.5
10°-20°	1163.4	4.3
20°-30°	2203.8	8.2
30°-40°	3885.1	14.5
40°-50°	5745.7	21.5
50°-60°	6747.0	25.2
60°-70°	4888.5	18.3
70°-80°	1507.6	5.6
80°-90°	207.5	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°	26753.2	100.0
0°-180°	26753.2	100.0



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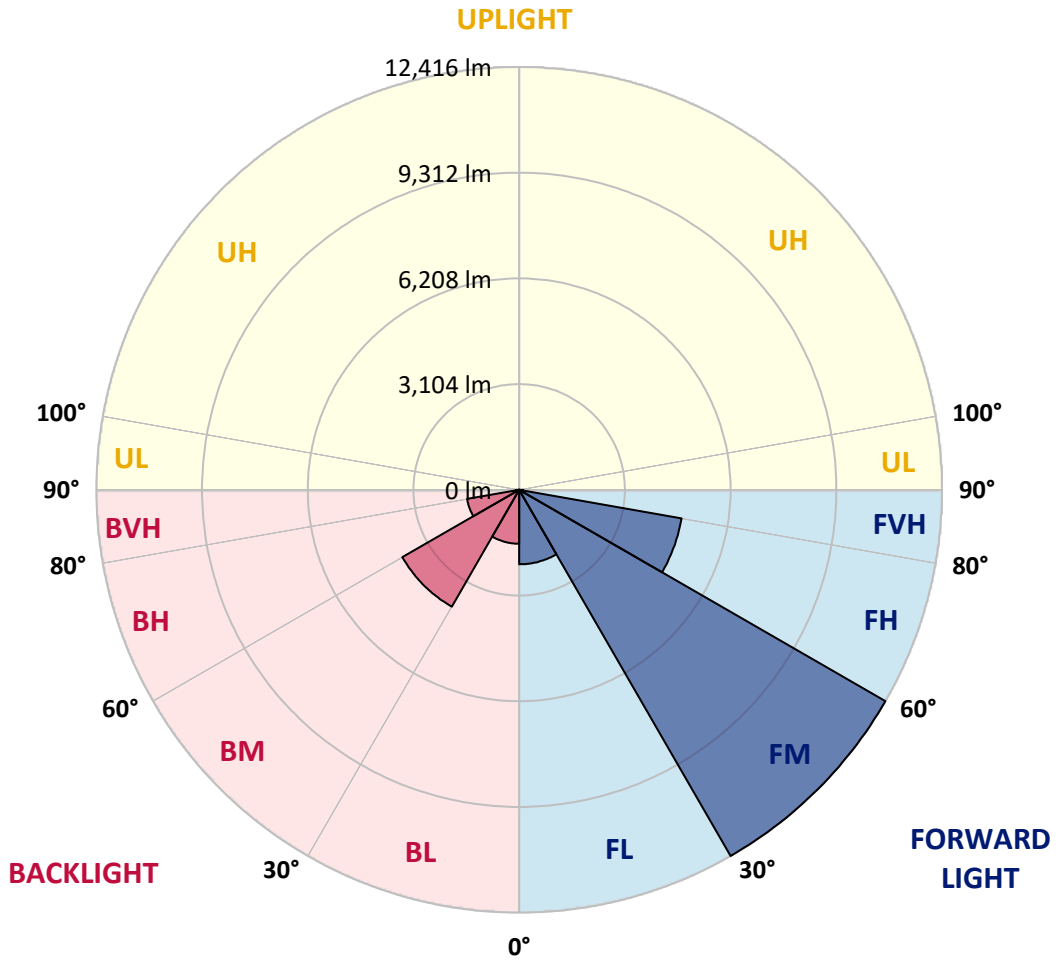
Scaled Data Report

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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°)	2187.5	8.2			
FM	(30°-60°)	12416.3	46.4			
FH	(60°-80°)	4843.2	18.1			G2/5000
FVH	(80°-90°)	111.9	0.4			G2/225
BL	(0°-30°)	1584.4	5.9	B3/2500		
BM	(30°-60°)	3961.4	14.8	B3/5000		
BH	(60°-80°)	1552.9	5.8	B3/2500		G3/2500
BVH	(80°-90°)	95.6	0.4			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G3
Type II Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	67°	75°	85°
0°	4304.5	4304.5	4304.5	4304.5	4304.5	4304.5	4304.5	4304.5	4304.5	4304.5	4304.5
2.5°	4389.8	4402.0	4383.7	4395.9	4395.9	4377.6	4371.5	4347.1	4359.3	4353.2	4347.1
5°	4493.5	4499.6	4487.4	4505.7	4505.7	4511.8	4505.7	4475.2	4475.2	4475.2	4463.0
7.5°	4463.0	4463.0	4469.1	4530.1	4591.0	4670.3	4670.3	4658.1	4670.3	4664.2	4609.3
10°	4206.9	4231.3	4286.2	4438.6	4584.9	4755.6	4871.5	4908.1	4908.1	4914.2	4822.7
12.5°	3749.6	3767.9	3896.0	4127.7	4432.5	4743.5	5023.9	5206.8	5225.1	5255.6	5133.7
15°	3341.1	3353.3	3444.8	3682.6	4030.1	4578.8	5109.3	5487.3	5548.3	5676.3	5493.4
17.5°	3377.7	3371.6	3396.0	3487.5	3737.5	4310.6	5091.0	5816.5	5926.3	6151.9	5993.3
20°	3597.2	3597.2	3615.5	3633.8	3725.3	4115.5	4956.8	6084.8	6298.2	6737.2	6554.3
22.5°	3944.7	3944.7	3938.7	3969.1	3969.1	4200.8	4962.9	6286.0	6603.0	7389.5	7212.7
25°	4426.4	4402.0	4402.0	4414.2	4359.3	4524.0	5115.4	6493.3	6907.9	8163.9	8011.4
27.5°	4969.0	4987.3	4975.1	4932.5	4859.3	4987.3	5481.2	6816.4	7249.3	8980.9	8919.9
30°	5560.4	5566.5	5578.7	5554.4	5493.4	5584.8	6054.3	7304.2	7700.5	9834.4	9968.6
32.5°	6139.7	6225.0	6194.5	6133.6	6158.0	6322.6	6761.6	7962.7	8371.2	10627.0	11102.6
35°	6877.4	6907.9	7029.8	6804.2	6810.3	7090.8	7663.9	8828.4	9224.7	11450.1	12236.6
37.5°	7950.5	8005.3	7950.5	7596.8	7542.0	7932.2	8541.9	9682.0	9968.6	12072.0	13291.4
40°	9005.2	9072.3	9163.8	8749.2	8401.6	8724.8	9371.1	10334.4	10633.1	12413.5	13992.6
42.5°	9877.1	9986.9	9889.3	9767.4	9450.3	9511.3	9950.3	10840.4	11139.2	12846.3	14699.8
45°	10614.8	10633.1	10675.8	10590.5	10431.9	10377.1	10444.1	11285.5	11614.8	13041.4	15047.4
47.5°	10919.7	10999.0	11035.5	11181.9	11346.5	11236.7	10864.8	11492.8	11791.6	13029.3	15157.1
50°	10755.1	10834.3	11029.4	11377.0	11773.3	11968.4	11358.7	11779.4	12114.7	13248.7	15382.7
52.5°	10322.2	10407.5	10724.6	11120.9	11785.5	12230.5	12053.7	12376.9	12700.0	13639.0	15760.7
55°	9273.5	9401.5	9846.6	10505.1	11419.6	12090.3	12785.4	13254.8	13608.5	14108.4	16150.9
57.5°	7749.3	7883.4	8383.4	9371.1	10742.9	11511.1	12998.8	14901.0	15059.5	14669.3	16187.5
60°	*5804.3*	*5914.1*	*6621.3*	*7413.9*	*9023.5*	*10450.2*	*12876.8*	*16461.9*	*16864.3*	*14571.8*	*15023.0*
62.5°	4597.1	4731.3	5359.2	5725.1	6877.4	8633.3	12450.0	16894.7	17242.3	13767.0	13401.2
65°	3591.1	3682.6	4267.9	4792.2	5072.7	5895.8	10669.7	14779.1	15090.0	12456.1	11059.9
67.5°	2371.7	2512.0	3207.0	3926.5	4072.8	3749.6	7340.8	11370.9	11517.2	9901.5	8316.3
70°	1701.1	1768.1	2286.4	3054.6	3274.1	2512.0	3999.6	8608.9	8651.6	6645.7	5603.1
72.5°	1158.4	1170.6	1554.7	2341.2	2609.5	1823.0	2201.0	5670.2	5523.9	3280.2	3207.0
75°	786.5	798.7	993.8	1560.8	1847.4	1268.2	1432.8	3091.2	2969.2	1810.8	1944.9
77.5°	530.4	542.6	682.9	1048.7	1231.6	878.0	1048.7	1634.0	1603.5	1201.1	1042.6
80°	402.4	420.7	506.0	670.7	859.7	512.1	597.5	774.3	786.5	640.2	530.4
82.5°	225.6	250.0	304.8	341.4	554.8	286.6	286.6	463.4	445.1	396.3	286.6
85°	97.6	103.6	121.9	128.0	225.6	121.9	103.6	201.2	207.3	195.1	91.5
87.5°	18.3	18.3	18.3	18.3	18.3	18.3	18.3	24.4	24.4	24.4	24.4
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°	4304.5	4304.5	4304.5	4304.5	4304.5	4304.5	4304.5	4304.5	4304.5	4304.5	4304.5
2.5°	4316.7	4353.2	4316.7	4298.4	4298.4	4267.9	4255.7	4255.7	4213.0	4231.3	4219.1
5°	4414.2	4426.4	4383.7	4328.9	4255.7	4194.7	4109.4	3999.6	3932.6	3926.5	3932.6
7.5°	4566.6	4572.7	4456.9	4335.0	4152.0	3932.6	3670.4	3457.0	3268.0	3237.5	3274.1
10°	4780.0	4767.8	4597.1	4310.6	3926.5	3463.1	3060.7	2865.6	2755.8	2749.7	2743.6
12.5°	5066.6	4987.3	4725.2	4206.9	3536.2	2999.7	2792.4	2780.2	2810.7	2835.1	2841.2
15°	5395.8	5292.2	4828.8	4005.7	3139.9	2829.0	2841.2	2944.8	2981.4	3005.8	3005.8
17.5°	5804.3	5670.2	4944.7	3719.2	2938.7	2865.6	2950.9	3048.5	3109.5	3133.8	3127.8
20°	6347.0	6066.5	5036.1	3444.8	2883.9	2926.6	2999.7	3097.3	3158.2	3188.7	3188.7
22.5°	6889.6	6542.1	5054.4	3255.8	2883.9	2932.6	2999.7	3097.3	3164.3	3194.8	3188.7
25°	7627.3	7151.8	5060.5	3121.7	2890.0	2902.2	2963.1	3048.5	3146.0	3176.5	3188.7
27.5°	8413.8	7822.4	5091.0	3091.2	2865.6	2859.5	2902.2	2981.4	3079.0	3158.2	3164.3
30°	9389.4	8578.5	5103.2	3121.7	2871.7	2792.4	2822.9	2902.2	3005.8	3085.1	3109.5
32.5°	10346.6	9279.6	5078.8	3188.7	2883.9	2749.7	2755.8	2804.6	2914.4	2969.2	3011.9
35°	11358.7	10023.4	5036.1	3280.2	2890.0	2731.4	2676.6	2701.0	2774.1	2780.2	2798.5
37.5°	12151.3	10578.3	4908.1	3402.1	2902.2	2664.4	2554.6	2536.3	2505.9	2444.9	2457.1
40°	12803.7	10950.2	4694.7	3463.1	2871.7	2585.1	2402.2	2316.9	2201.0	2109.6	2127.8
42.5°	13273.1	11200.2	4438.6	3475.3	2822.9	2451.0	2225.4	2079.1	1951.0	1853.5	1859.6
45°	13480.4	11175.8	4164.2	3383.8	2707.1	2286.4	2060.8	1920.5	1780.3	1676.7	1664.5
47.5°	13486.5	10938.0	3786.2	3164.3	2512.0	2097.4	1908.4	1755.9	1640.1	1566.9	1560.8
50°	13535.3	10803.9	3432.6	2847.3	2255.9	1896.2	1774.2	1621.8	1554.7	1451.1	1420.6
52.5°	13840.2	11023.3	3188.7	2499.8	2018.1	1749.8	1658.4	1524.2	1414.5	1347.4	1341.3
55°	14334.0	11401.4	3054.6	2237.6	1792.5	1609.6	1548.6	1432.8	1335.2	1268.2	1249.9
57.5°	14395.0	11596.5	2896.1	1993.7	1609.6	1499.9	1475.5	1347.4	1207.2	1158.4	1140.1
60°	*13541.4*	*11267.2*	*2701.0*	*1768.1*	*1475.5*	*1414.5*	*1402.3*	*1231.6*	*1115.7*	*1054.8*	*1030.4*
62.5°	12376.9	10444.1	2402.2	1560.8	1371.8	1329.1	1280.4	1146.2	999.9	932.8	914.5
65°	10114.9	8779.7	2042.5	1420.6	1268.2	1219.4	1207.2	1024.3	926.7	890.2	884.1
67.5°	7663.9	7054.2	1798.6	1316.9	1158.4	1140.1	1097.5	1036.5	993.8	951.1	938.9
70°	5420.2	5091.0	1530.3	1182.8	1048.7	1018.2	1195.0	1127.9	975.5	920.6	914.5
72.5°	3286.3	3194.8	1323.0	1060.9	902.4	951.1	1103.6	1018.2	878.0	810.9	786.5
75°	2073.0	1896.2	1109.7	902.4	719.4	774.3	963.3	908.5	756.0	689.0	670.7
77.5°	1127.9	1048.7	835.3	737.7	567.0	628.0	841.4	749.9	603.6	658.5	585.3
80°	493.9	548.7	554.8	426.8	378.0	463.4	603.6	585.3	463.4	469.5	390.2
82.5°	237.8	310.9	359.7	292.7	213.4	274.4	402.4	335.3	310.9	292.7	280.5
85°	73.2	115.8	158.5	140.2	97.6	115.8	189.0	182.9	219.5	189.0	176.8
87.5°	24.4	24.4	18.3	18.3	18.3	24.4	30.5	18.3	6.1	6.1	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°	4304.5	4304.5	4304.5	4304.5	4304.5	4304.5	4304.5	4304.5	4304.5	4304.5	4304.5
2.5°	4213.0	4219.1	4219.1	4225.2	4225.2	4243.5	4267.9	4292.3	4274.0	4298.4	4304.5
5°	3920.4	3950.8	3975.2	4066.7	4139.9	4200.8	4267.9	4328.9	4347.1	4359.3	4389.8
7.5°	3231.4	3316.8	3475.3	3682.6	3914.3	4139.9	4292.3	4450.8	4475.2	4505.7	4548.3
10°	2749.7	2786.3	2896.1	3109.5	3524.1	3969.1	4341.1	4591.0	4694.7	4755.6	4798.3
12.5°	2829.0	2804.6	2786.3	2816.8	3085.1	3658.2	4310.6	4792.2	4987.3	5054.4	5109.3
15°	3018.0	2993.6	2926.6	2841.2	2871.7	3329.0	4206.9	4981.2	5292.2	5401.9	5517.8
17.5°	3127.8	3103.4	3048.5	2957.0	2877.8	3054.6	4011.8	5152.0	5773.8	5908.0	6072.6
20°	3188.7	3164.3	3109.5	3018.0	2926.6	2950.9	3761.8	5365.3	6322.6	6536.0	6779.8
22.5°	3200.9	3170.4	3109.5	3018.0	2963.1	2944.8	3524.1	5493.4	6914.0	7243.2	7523.7
25°	3194.8	3139.9	3060.7	2993.6	2963.1	2957.0	3359.4	5566.5	7554.2	8078.5	8395.5
27.5°	3152.1	3085.1	3005.8	2957.0	2944.8	2981.4	3286.3	5651.9	8304.1	8974.8	9480.8
30°	3103.4	3005.8	2908.3	2890.0	2920.5	3036.3	3347.2	5682.4	9090.6	9950.3	10468.5
32.5°	2975.3	2902.2	2804.6	2798.5	2871.7	3079.0	3487.5	5639.7	9785.7	10925.8	11578.2
35°	2792.4	2749.7	2694.9	2713.2	2829.0	3115.6	3585.0	5505.6	10419.7	11834.2	12596.4
37.5°	2469.3	2499.8	2530.2	2572.9	2719.3	3109.5	3627.7	5292.2	10944.1	12559.8	13535.3
40°	2109.6	2213.2	2310.8	2420.5	2615.6	3060.7	3639.9	5030.0	11248.9	13108.5	14370.6
42.5°	1884.0	1981.5	2103.5	2262.0	2475.4	2950.9	3627.7	4737.4	11346.5	13486.5	14901.0
45°	1676.7	1792.5	1944.9	2109.6	2353.4	2792.4	3518.0	4420.3	11395.3	13663.3	15126.6
47.5°	1566.9	1634.0	1774.2	1938.8	2194.9	2597.3	3304.6	4188.6	11322.1	13699.9	15401.0
50°	1438.9	1530.3	1621.8	1780.3	2030.3	2353.4	3048.5	4054.5	11444.0	14059.6	15833.9
52.5°	1341.3	1390.1	1487.7	1634.0	1816.9	2127.8	2804.6	3944.7	11779.4	14425.5	16285.0
55°	1268.2	1323.0	1384.0	1506.0	1646.2	1902.3	2554.6	3780.1	12169.6	14815.7	16736.2
57.5°	1152.3	1188.9	1274.3	1402.3	1493.8	1682.8	2262.0	3585.0	12139.1	14510.8	15955.8
60°	*1048.7*	*1085.3*	*1176.7*	*1304.8*	*1359.6*	*1487.7*	*1975.4*	*3335.0*	*11553.8*	*13517.0*	*14516.9*
62.5°	932.8	975.5	1085.3	1176.7	1225.5	1323.0	1676.7	2877.8	10334.4	12023.2	12834.1
65°	884.1	908.5	981.6	1091.4	1085.3	1176.7	1414.5	2262.0	8316.3	9188.2	9925.9
67.5°	938.9	975.5	963.3	993.8	975.5	1024.3	1268.2	1816.9	6536.0	6920.1	7346.9
70°	926.7	1012.1	1054.8	993.8	853.6	908.5	1097.5	1451.1	4676.4	4639.8	4621.5
72.5°	810.9	896.3	1018.2	1079.2	835.3	756.0	951.1	1256.0	2999.7	2987.5	2701.0
75°	689.0	749.9	896.3	975.5	719.4	609.7	817.0	1067.0	1792.5	1816.9	1621.8
77.5°	634.1	603.6	749.9	859.7	585.3	469.5	658.5	804.8	987.7	999.9	926.7
80°	457.3	439.0	560.9	628.0	445.1	335.3	371.9	500.0	530.4	475.6	493.9
82.5°	292.7	298.8	335.3	402.4	274.4	182.9	256.1	335.3	286.6	231.7	274.4
85°	189.0	213.4	176.8	207.3	85.4	85.4	109.7	146.3	97.6	67.1	73.2
87.5°	0.0	0.0	12.2	24.4	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

Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

Scaled Data Report

REPORT NUMBER: P1501555
CATALOG NUMBER: GSS-SB4C-835-U-T2LG

CANDELA DISTRIBUTION (continued):

	285°	293°	295°	305°	315°	325°	335°	345°	355°	360°
0°	4304.5	4304.5	4304.5	4304.5	4304.5	4304.5	4304.5	4304.5	4304.5	4304.5
2.5°	4322.8	4316.7	4316.7	4328.9	4359.3	4371.5	4389.8	4383.7	4402.0	4389.8
5°	4408.1	4414.2	4432.5	4438.6	4456.9	4481.3	4487.4	4481.3	4493.5	4493.5
7.5°	4578.8	4603.2	4591.0	4621.5	4597.1	4566.6	4517.9	4481.3	4450.8	4463.0
10°	4865.4	4853.2	4847.1	4792.2	4682.5	4524.0	4395.9	4255.7	4231.3	4206.9
12.5°	5182.4	5170.2	5170.2	4981.2	4670.3	4341.1	4048.4	3828.9	3755.7	3749.6
15°	5627.5	5548.3	5475.1	5078.8	4456.9	3896.0	3554.5	3383.8	3341.1	3341.1
17.5°	6182.3	5975.0	5853.1	5005.6	4109.4	3603.3	3402.1	3359.4	3347.2	3377.7
20°	6871.3	6347.0	6170.1	4841.0	3981.3	3639.9	3542.3	3548.4	3554.5	3597.2
22.5°	7627.3	6688.4	6395.7	4841.0	4109.4	3871.6	3822.8	3889.9	3908.2	3944.7
25°	8468.7	6993.2	6596.9	5097.1	4487.4	4310.6	4249.6	4316.7	4365.4	4426.4
27.5°	9413.7	7310.3	6944.5	5560.4	4975.1	4865.4	4798.3	4828.8	4895.9	4969.0
30°	10261.2	7840.7	7474.9	6267.7	5639.7	5505.6	5389.7	5438.5	5511.7	5560.4
32.5°	11011.2	8487.0	8176.1	7011.5	6401.8	6170.1	6042.1	6029.9	6176.2	6139.7
35°	11700.1	9249.1	8950.4	7859.0	7176.1	6889.6	6718.9	6938.4	6840.8	6877.4
37.5°	12242.7	10041.7	9803.9	8669.9	7981.0	7590.7	7487.1	7755.4	7907.8	7950.5
40°	12687.8	10730.7	10480.7	9474.7	8718.7	8432.1	8596.7	9041.8	9023.5	9005.2
42.5°	13029.3	11322.1	11047.7	10084.4	9425.9	9480.8	9608.8	9907.6	9980.8	9877.1
45°	13181.7	11694.0	11474.5	10566.1	10230.7	10547.8	10602.7	10730.7	10681.9	10614.8
47.5°	13358.5	12023.2	11791.6	11005.1	11102.6	11413.6	11303.8	11200.2	11023.3	10919.7
50°	13657.2	12413.5	12218.4	11645.2	11998.9	11895.2	11468.4	11236.7	10877.0	10755.1
52.5°	14224.3	13151.2	13004.9	12657.3	12419.6	11822.0	11303.8	10889.2	10486.8	10322.2
55°	14730.3	14151.1	14065.7	13602.4	12291.5	11437.9	10742.9	10102.7	9413.7	9273.5
57.5°	15023.0	15809.5	15907.0	14004.8	11706.2	10566.1	9541.8	8517.5	7865.1	7749.3
60°	14151.1	17602.0	17650.8	13925.5	10651.4	8993.0	7432.2	6706.7	6005.5	5804.3
62.5°	12950.0	17230.1	17187.4	13449.9	8480.9	6560.4	5645.8	5304.4	4761.7	4597.1
65°	11133.1	14352.3	14401.1	11620.8	5639.7	4743.5	4743.5	4310.6	3707.0	3591.1
67.5°	9072.3	11066.0	10956.3	7535.9	3463.1	3798.4	3981.3	3359.4	2512.0	2371.7
70°	5895.8	8450.4	8298.0	4347.1	2176.6	3164.3	3133.8	2524.2	1798.6	1701.1
72.5°	2536.3	4883.7	5194.6	2219.3	1640.1	2548.5	2499.8	1768.1	1201.1	1158.4
75°	1530.3	2457.1	2676.6	1414.5	1195.0	1920.5	1731.5	1121.8	817.0	786.5
77.5°	969.4	1347.4	1335.2	1060.9	896.3	1298.7	1164.5	774.3	554.8	530.4
80°	560.9	664.6	689.0	664.6	603.6	926.7	743.8	560.9	432.9	402.4
82.5°	359.7	414.6	420.7	323.1	335.3	597.5	402.4	329.2	250.0	225.6
85°	158.5	176.8	170.7	109.7	109.7	243.9	140.2	134.1	97.6	97.6
87.5°	6.1	12.2	6.1	6.1	6.1	24.4	12.2	18.3	18.3	18.3
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

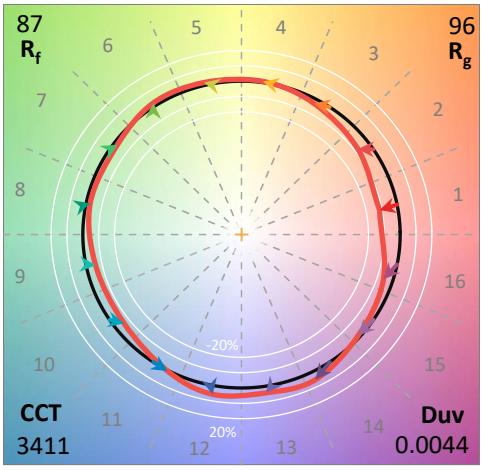
Test Information

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

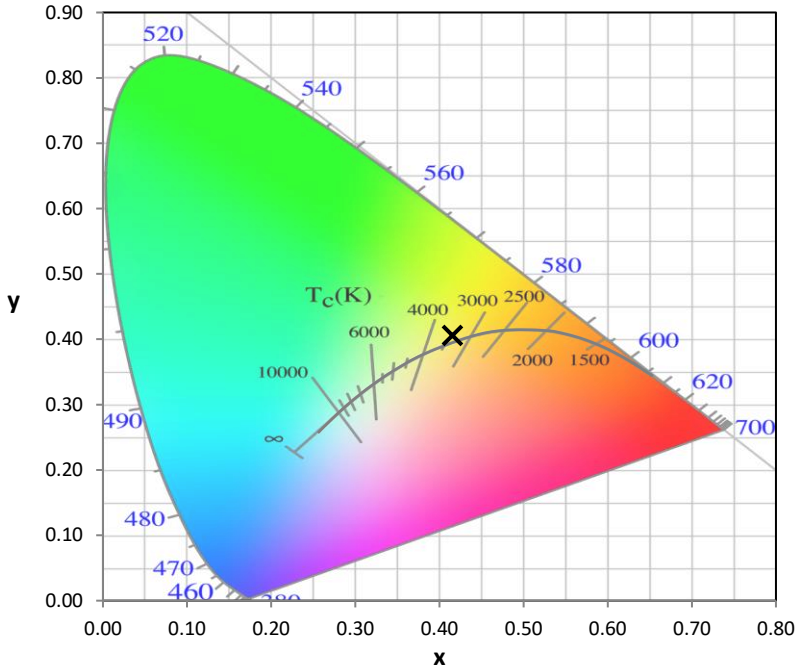
Stabilization Time:	35M
Operation Time:	1H 35M
Sphere Temperature (°C):	25.2

REPORT NUMBER: SP1-2407-184-10

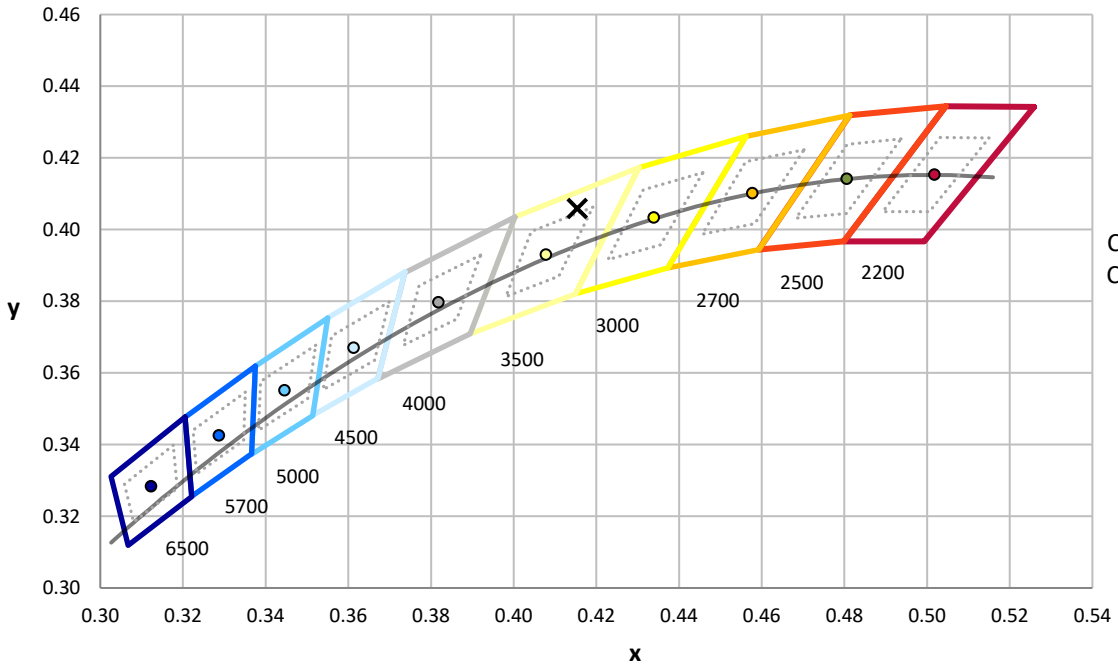
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

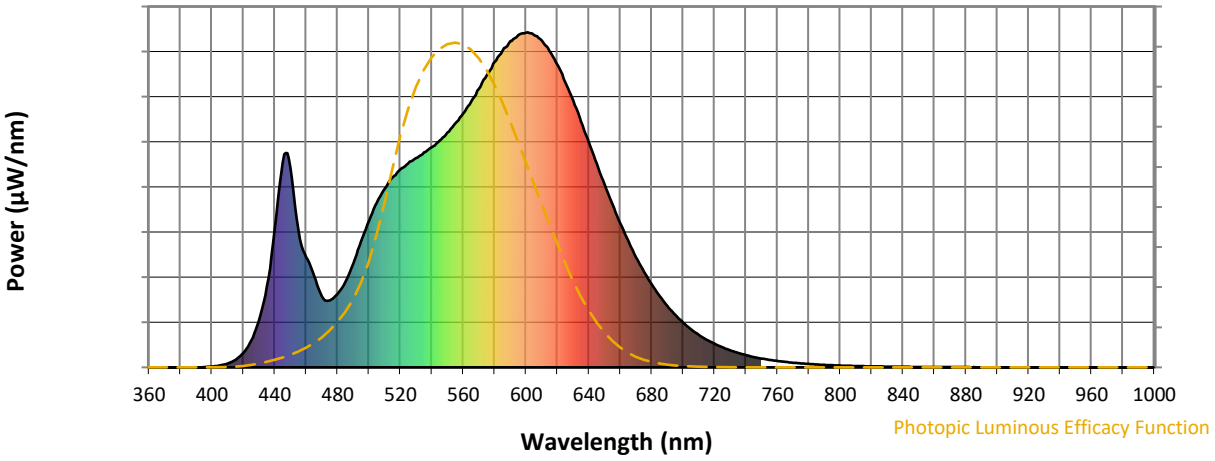


CCT = 3411K
CIE x = 0.4154
CIE y = 0.4059
Duv = 0.0044

Point lies inside the ANSI 3500K 7-step quadrangle

REPORT NUMBER: SP1-2407-184-10

Photopic Flux vs. Wavelength

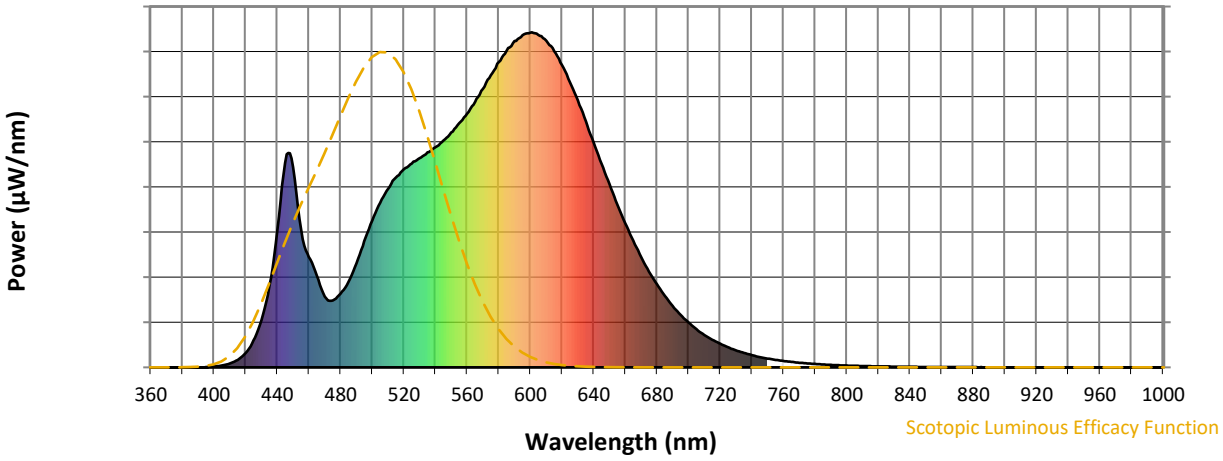


Photopic Lumens: NR

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

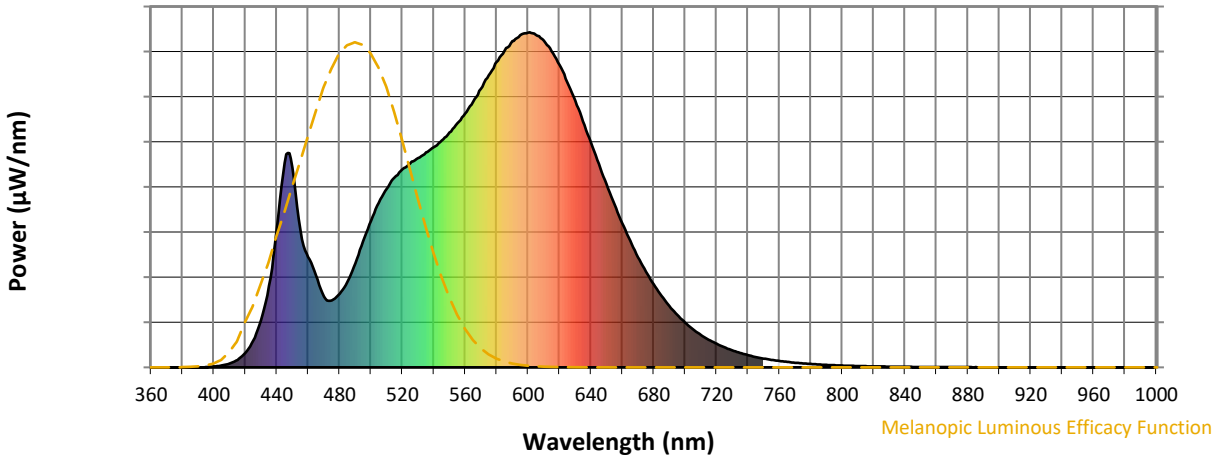


Scotopic Lumens: NR **S/P: 1.48**

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			

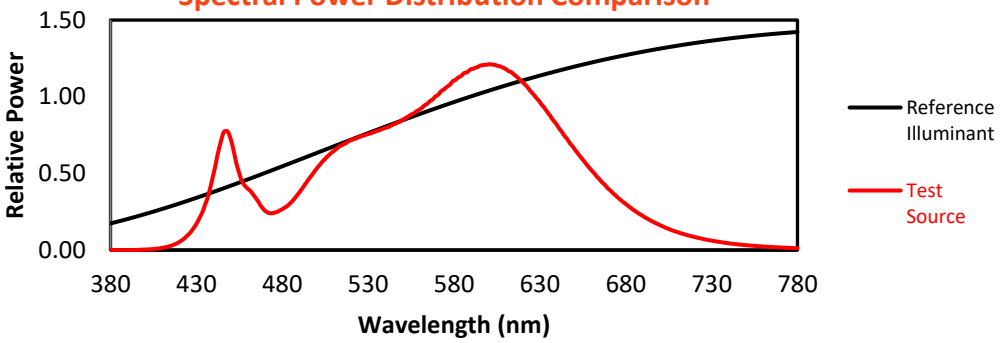
REPORT NUMBER: SP1-2407-184-10

TM-30-18

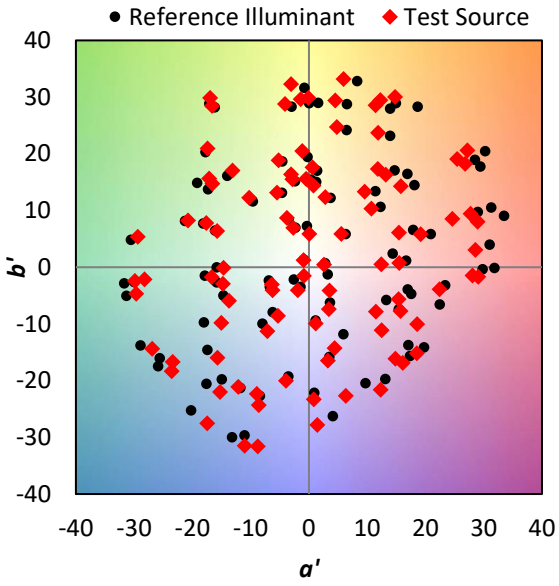
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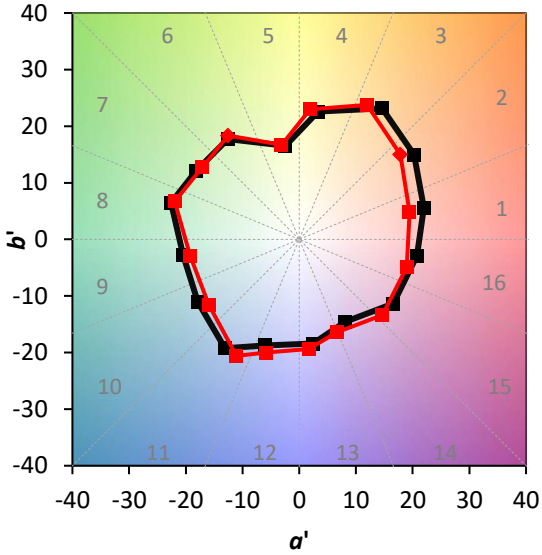
R_f = 86.6
R_g = 95.9
CIE R_a = 83.5
R_9 = 6.3

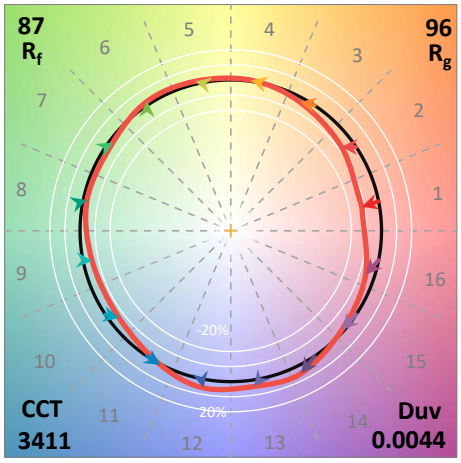
Spectral Power Distribution Comparison

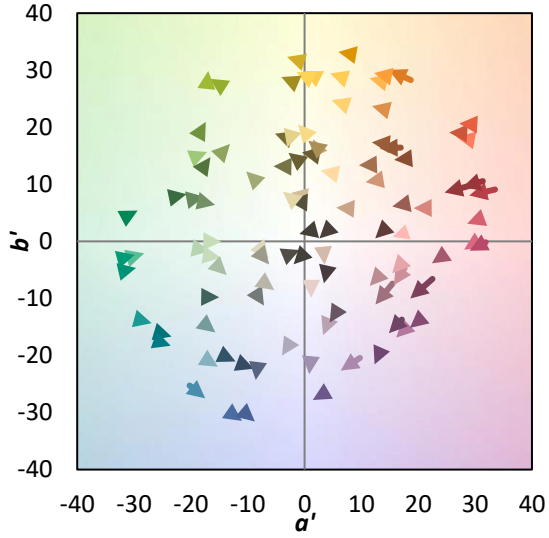


Color Vector Graphics







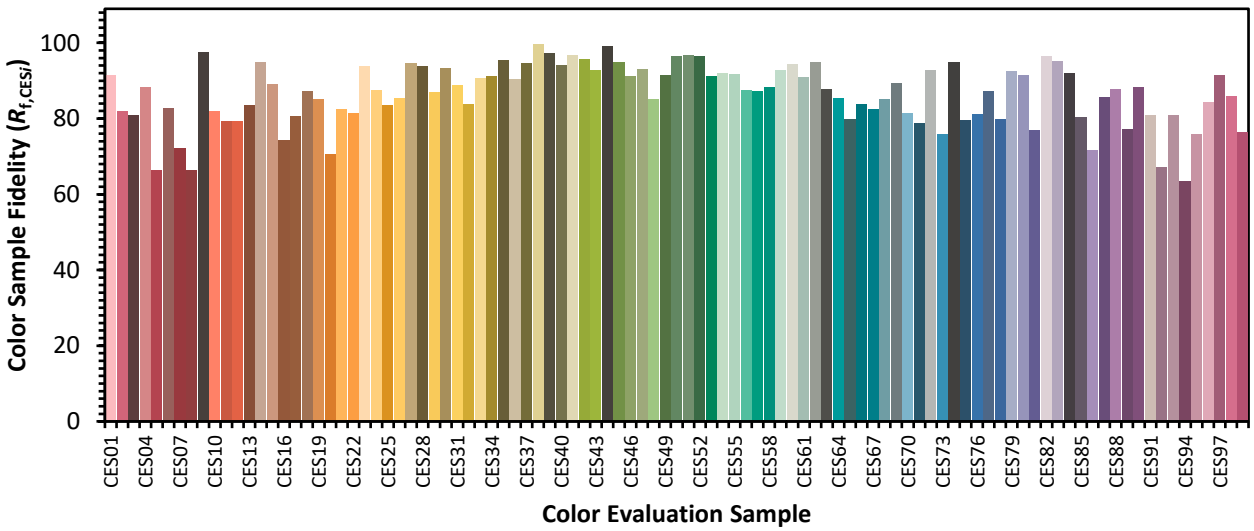


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Individual Sample Fidelity Index ($R_{f,i}$)

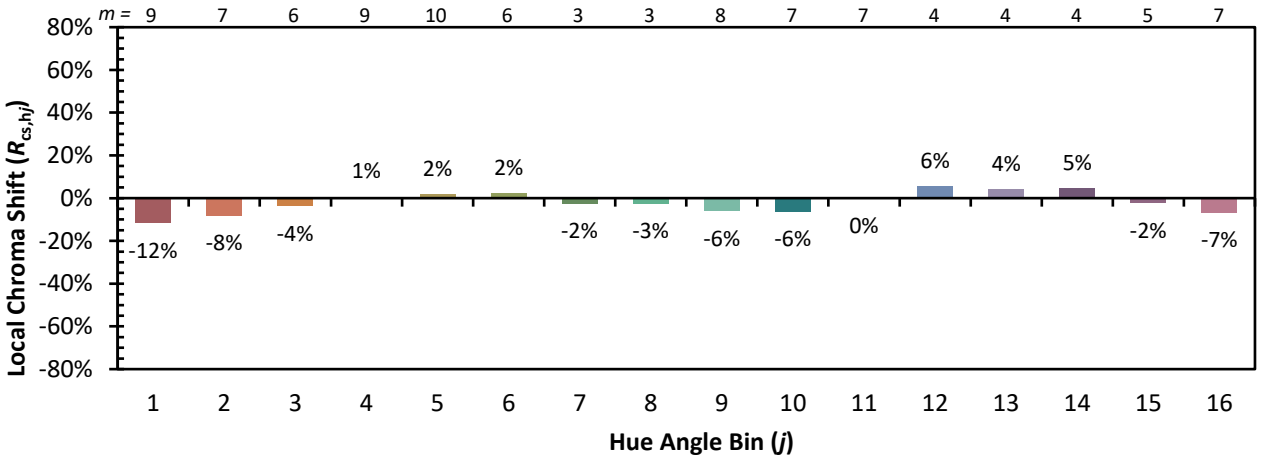
CES01 = 86	CES26 = 85	CES51 = 97	CES76 = 81
CES02 = 62	CES27 = 95	CES52 = 96	CES77 = 87
CES03 = 31	CES28 = 94	CES53 = 91	CES78 = 80
CES04 = 70	CES29 = 87	CES54 = 92	CES79 = 93
CES05 = 49	CES30 = 93	CES55 = 92	CES80 = 91
CES06 = 51	CES31 = 89	CES56 = 88	CES81 = 77
CES07 = 41	CES32 = 84	CES57 = 87	CES82 = 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
CES25 = 72	CES50 = 96	CES75 = 80	

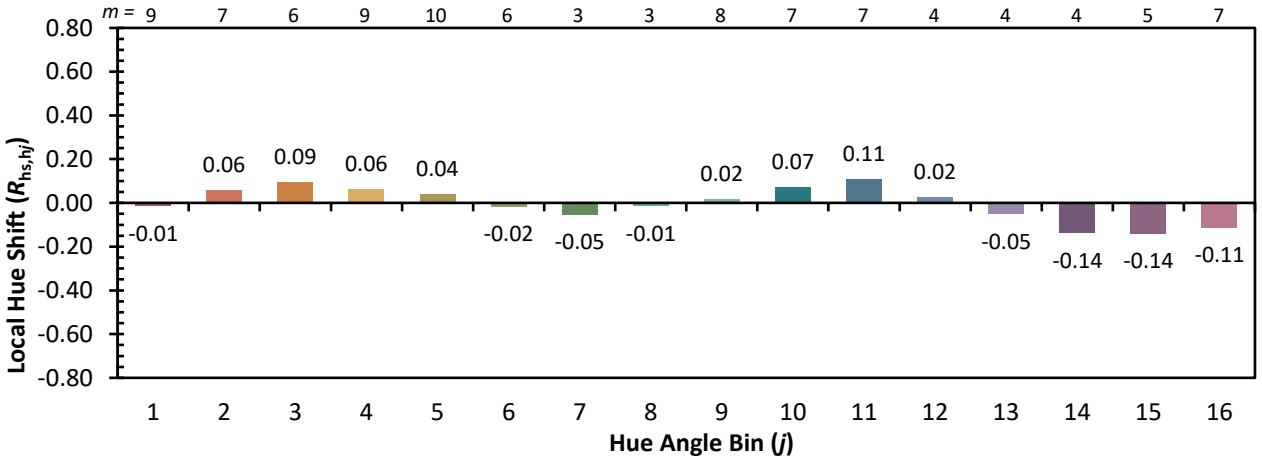


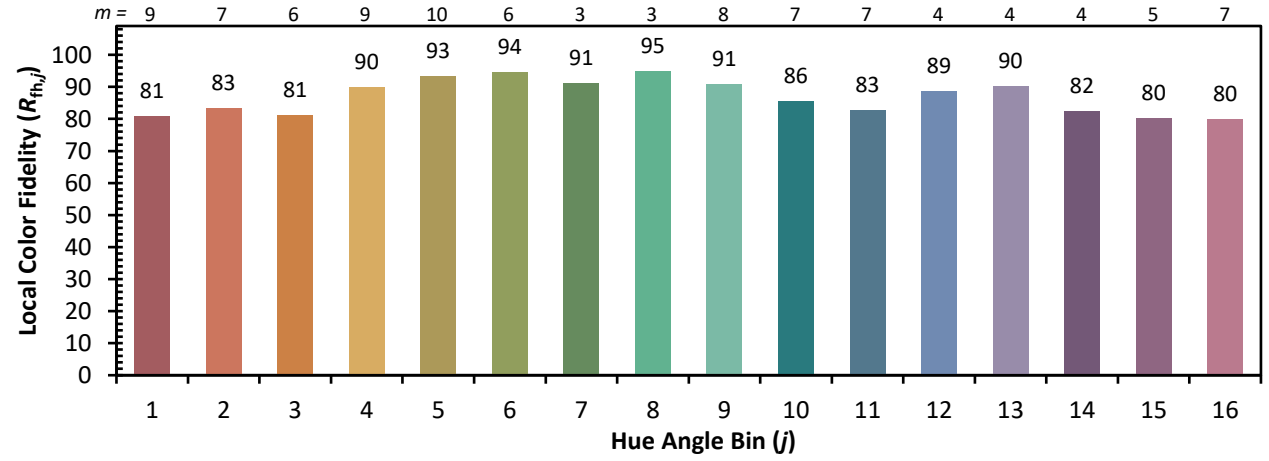
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Color Rendition by Hue-Angle Bin



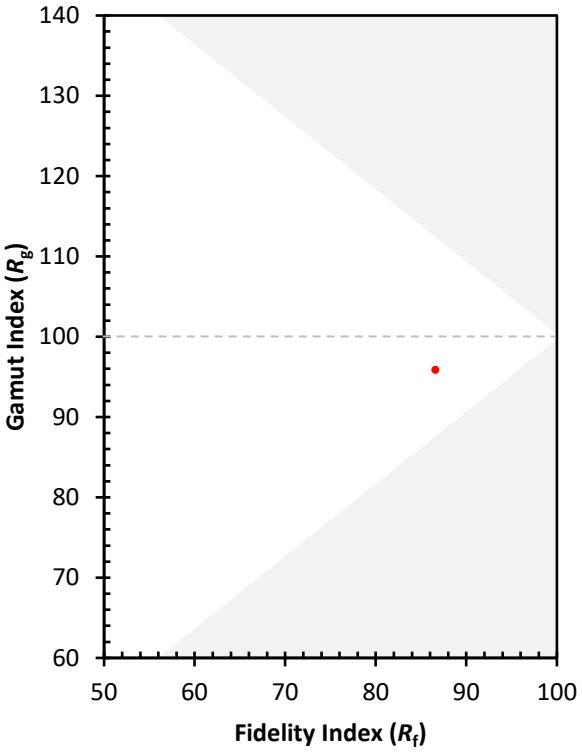


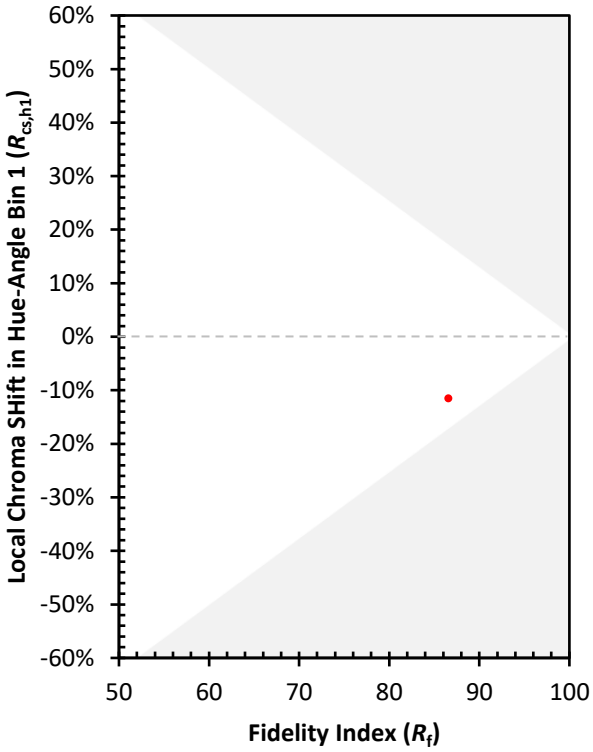


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Measure Comparisons





(END OF REPORT)