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: P1501367

Luminaire Tested: GSS-SB5C-722-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:	P1501367
Test Lab:	INNOVATION CENTER(G1)
Issue Date:	7/20/2026
Manufacturer:	COOPER LIGHTING SOLUTIONS
Product Line:	McGRAW-EDISON
Catalog Number:	GSS-SB5C-722-U-T2LG
Description:	GALLEON II SLIM SITE HIGH DENSITY LED ARRAYS 5SQUARE 252W 70CRI 2200K FIXTURE w/ TYPE II LOW GLARE DISTRIBUTION FIXTURE
Light Source:	(130) 2200K CCT, 70 CRI LEDS
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	29764.8 lumens
Efficiency:	N/A
Efficacy:	118.1 lumens/watt
Luminous Opening:	Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification:	Type II - Short
BUG Rating:	B3 - U0 - G3

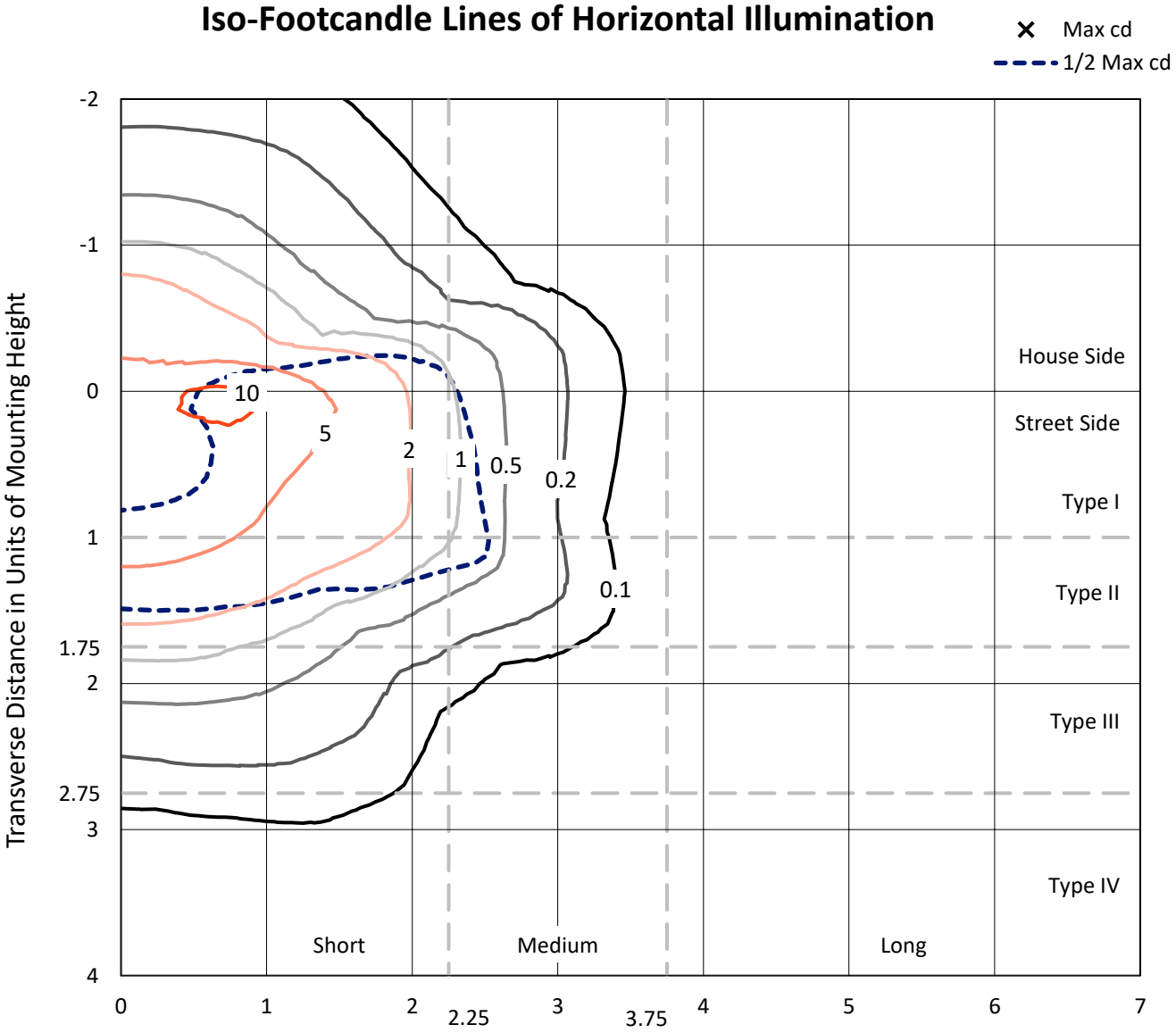
Input Watts (W):	252
Input Voltage (V):	120
Input Current (Ain):	NR
Voltage Rise (V):	NR
Power Factor:	0.98
Total Harmonic Distortion (THDi):	7.9%
Frequency (hertz):	60
Stabilization Time:	NR
Operation Time:	NR
Ambient Temperature (°C):	NR
Test Distance:	28.75 FT

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Iso-Footcandle Lines of Horizontal Illumination



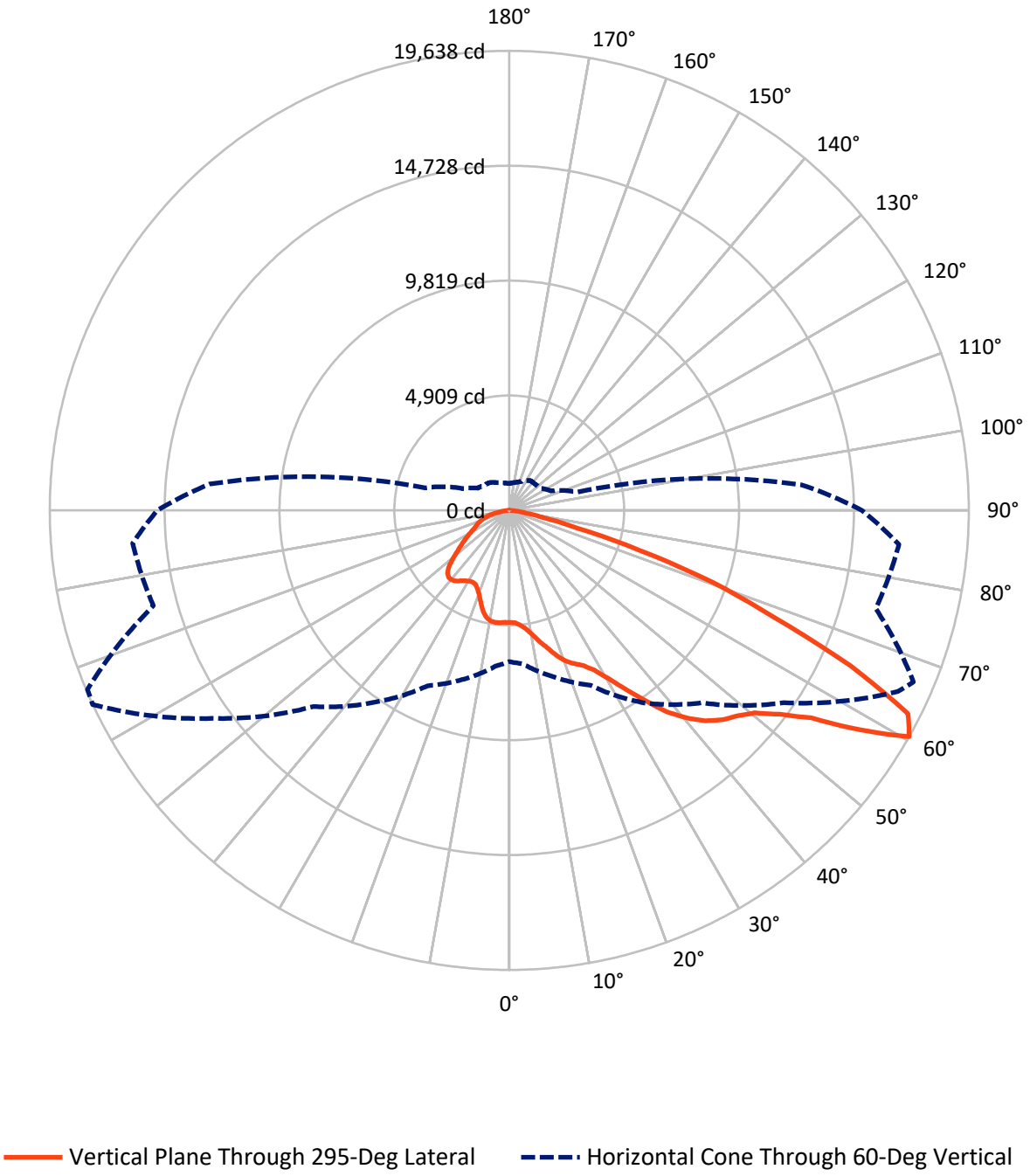
Based on 25 foot mounting height. Maximum calculated value = 11.5 fc
Type II - Short - N/A

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Luminous Intensity Polar Plot



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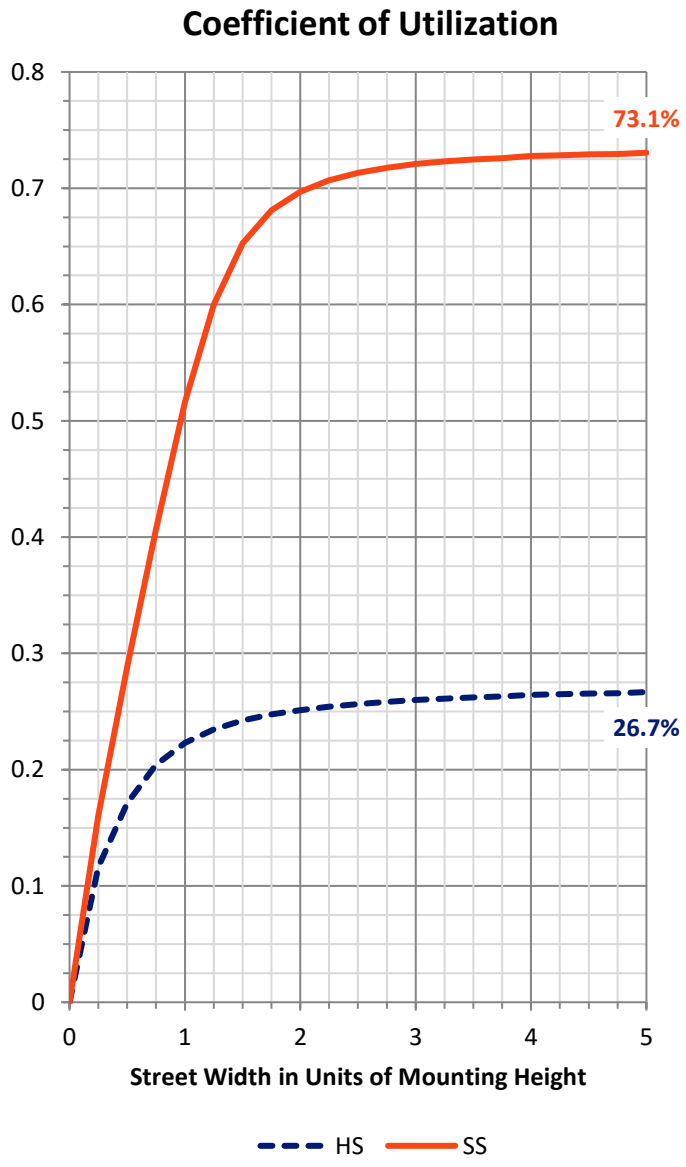
REPORT NUMBER: P1501367
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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	8004.1	0.0	8004.1
	% Fixture	26.9	0.0	26.9
Street Side	Lumens	21760.7	0.0	21760.7
	% Fixture	73.1	0.0	73.1
Total	Lumens	29764.8	0.0	29764.8
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	450.3	1.5
10°-20°	1294.4	4.3
20°-30°	2451.8	8.2
30°-40°	4322.5	14.5
40°-50°	6392.4	21.5
50°-60°	7506.5	25.2
60°-70°	5438.8	18.3
70°-80°	1677.3	5.6
80°-90°	230.9	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°	29764.8	100.0
0°-180°	29764.8	100.0



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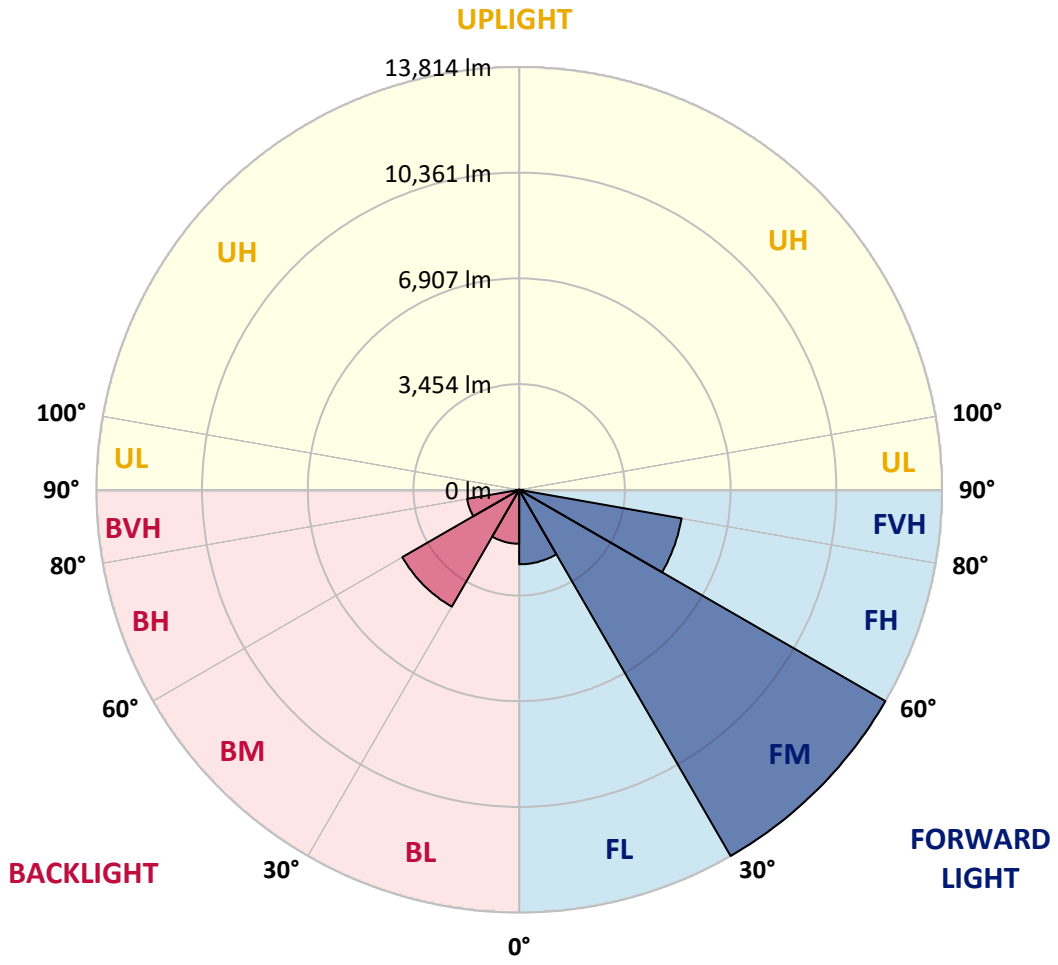
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	2433.8	8.2			
FM	(30°-60°)	13814.0	46.4			
FH	(60°-80°)	5388.3	18.1			G3/7500
FVH	(80°-90°)	124.5	0.4			G2/225
BL	(0°-30°)	1762.8	5.9	B3/2500		
BM	(30°-60°)	4407.3	14.8	B3/5000		
BH	(60°-80°)	1727.7	5.8	B3/2500		G3/2500
BVH	(80°-90°)	106.3	0.4			G2/225
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°	4789.0	4789.0	4789.0	4789.0	4789.0	4789.0	4789.0	4789.0	4789.0	4789.0	4789.0
2.5°	4884.0	4897.6	4877.2	4890.8	4890.8	4870.4	4863.6	4836.5	4850.1	4843.3	4836.5
5°	4999.3	5006.1	4992.5	5012.9	5012.9	5019.6	5012.9	4979.0	4979.0	4979.0	4965.4
7.5°	4965.4	4965.4	4972.2	5040.0	5107.8	5196.0	5196.0	5182.4	5196.0	5189.2	5128.2
10°	4680.5	4707.6	4768.7	4938.3	5101.0	5291.0	5419.9	5460.6	5460.6	5467.3	5365.6
12.5°	4171.7	4192.1	4334.5	4592.3	4931.5	5277.4	5589.4	5792.9	5813.3	5847.2	5711.5
15°	3717.3	3730.8	3832.6	4097.1	4483.8	5094.3	5684.4	6105.0	6172.8	6315.3	6111.8
17.5°	3758.0	3751.2	3778.3	3880.1	4158.2	4795.8	5664.1	6471.3	6593.4	6844.4	6668.0
20°	4002.2	4002.2	4022.5	4042.9	4144.6	4578.7	5514.8	6769.7	7007.2	7495.6	7292.1
22.5°	4388.8	4388.8	4382.0	4415.9	4415.9	4673.7	5521.6	6993.6	7346.3	8221.4	8024.7
25°	4924.7	4897.6	4897.6	4911.1	4850.1	5033.2	5691.2	7224.2	7685.5	9082.9	8913.3
27.5°	5528.4	5548.7	5535.2	5487.7	5406.3	5548.7	6098.2	7583.7	8065.4	9991.8	9924.0
30°	6186.4	6193.2	6206.7	6179.6	6111.8	6213.5	6735.8	8126.4	8567.3	10941.5	11090.7
32.5°	6830.8	6925.8	6891.8	6824.0	6851.1	7034.3	7522.7	8859.0	9313.5	11823.3	12352.4
35°	7651.6	7685.5	7821.2	7570.2	7577.0	7889.0	8526.6	9822.2	10263.1	12739.1	13614.1
37.5°	8845.4	8906.5	8845.4	8452.0	8391.0	8825.1	9503.4	10771.9	11090.7	13431.0	14787.6
40°	10018.9	10093.6	10195.3	9734.1	9347.4	9706.9	10425.9	11497.7	11830.1	13810.8	15567.7
42.5°	10989.0	11111.1	11002.5	10866.9	10514.1	10582.0	11070.4	12060.7	12393.1	14292.4	16354.6
45°	11809.7	11830.1	11877.6	11782.6	11606.2	11545.2	11619.8	12555.9	12922.2	14509.5	16741.2
47.5°	12148.9	12237.1	12277.8	12440.6	12623.7	12501.6	12087.9	12786.5	13118.9	14495.9	16863.3
50°	11965.8	12053.9	12271.0	12657.7	13098.6	13315.6	12637.3	13105.4	13478.4	14740.1	17114.3
52.5°	11484.1	11579.1	11931.8	12372.8	13112.1	13607.3	13410.6	13770.1	14129.6	15174.3	17534.9
55°	10317.4	10459.9	10955.0	11687.6	12705.1	13451.3	14224.6	14746.9	15140.3	15696.6	17969.0
57.5°	8621.6	8770.8	9327.1	10425.9	11952.2	12806.9	14462.0	16578.4	16754.8	16320.6	18009.7
60°	*6457.7*	*6579.8*	*7366.7*	*8248.5*	*10039.3*	*11626.6*	*14326.4*	*18314.9*	*18762.6*	*16212.1*	*16714.1*
62.5°	5114.6	5263.8	5962.5	6369.5	7651.6	9605.2	13851.5	18796.6	19183.2	15316.7	14909.7
65°	3995.4	4097.1	4748.3	5331.7	5643.7	6559.5	11870.8	16442.7	16788.7	13858.3	12304.9
67.5°	2638.7	2794.7	3568.0	4368.5	4531.3	4171.7	8167.1	12650.9	12813.7	11016.1	9252.4
70°	1892.5	1967.2	2543.7	3398.4	3642.6	2794.7	4449.9	9578.0	9625.5	7393.8	6233.9
72.5°	1288.8	1302.4	1729.7	2604.8	2903.3	2028.2	2448.8	6308.5	6145.7	3649.4	3568.0
75°	875.0	888.6	1105.7	1736.5	2055.3	1410.9	1594.1	3439.1	3303.5	2014.6	2163.9
77.5°	590.1	603.7	759.7	1166.7	1370.2	976.8	1166.7	1817.9	1784.0	1336.3	1159.9
80°	447.7	468.0	563.0	746.2	956.4	569.8	664.8	861.5	875.0	712.2	590.1
82.5°	251.0	278.1	339.2	379.9	617.3	318.8	318.8	515.5	495.2	440.9	318.8
85°	108.5	115.3	135.7	142.4	251.0	135.7	115.3	223.8	230.6	217.1	101.7
87.5°	20.3	20.3	20.3	20.3	20.3	20.3	20.3	27.1	27.1	27.1	27.1
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°	4789.0	4789.0	4789.0	4789.0	4789.0	4789.0	4789.0	4789.0	4789.0	4789.0	4789.0
2.5°	4802.6	4843.3	4802.6	4782.2	4782.2	4748.3	4734.8	4734.8	4687.3	4707.6	4694.1
5°	4911.1	4924.7	4877.2	4816.2	4734.8	4666.9	4572.0	4449.9	4375.2	4368.5	4375.2
7.5°	5080.7	5087.5	4958.6	4822.9	4619.4	4375.2	4083.6	3846.1	3635.9	3601.9	3642.6
10°	5318.1	5304.5	5114.6	4795.8	4368.5	3852.9	3405.2	3188.2	3066.1	3059.3	3052.5
12.5°	5636.9	5548.7	5257.1	4680.5	3934.3	3337.4	3106.8	3093.2	3127.1	3154.2	3161.0
15°	6003.2	5887.9	5372.4	4456.6	3493.4	3147.5	3161.0	3276.3	3317.0	3344.2	3344.2
17.5°	6457.7	6308.5	5501.3	4137.8	3269.6	3188.2	3283.1	3391.7	3459.5	3486.6	3479.8
20°	7061.4	6749.4	5603.0	3832.6	3208.5	3256.0	3337.4	3445.9	3513.8	3547.7	3547.7
22.5°	7665.1	7278.5	5623.4	3622.3	3208.5	3262.8	3337.4	3445.9	3520.5	3554.5	3547.7
25°	8485.9	7956.8	5630.1	3473.1	3215.3	3228.9	3296.7	3391.7	3500.2	3534.1	3547.7
27.5°	9361.0	8703.0	5664.1	3439.1	3188.2	3181.4	3228.9	3317.0	3425.6	3513.8	3520.5
30°	10446.3	9544.1	5677.6	3473.1	3194.9	3106.8	3140.7	3228.9	3344.2	3432.4	3459.5
32.5°	11511.3	10324.2	5650.5	3547.7	3208.5	3059.3	3066.1	3120.3	3242.4	3303.5	3351.0
35°	12637.3	11151.8	5603.0	3649.4	3215.3	3038.9	2977.9	3005.0	3086.4	3093.2	3113.5
37.5°	13519.1	11769.0	5460.6	3785.1	3228.9	2964.3	2842.2	2821.9	2787.9	2720.1	2733.7
40°	14245.0	12182.8	5223.1	3852.9	3194.9	2876.1	2672.6	2577.7	2448.8	2347.0	2367.4
42.5°	14767.3	12460.9	4938.3	3866.5	3140.7	2726.9	2475.9	2313.1	2170.7	2062.1	2068.9
45°	14997.9	12433.8	4633.0	3764.7	3011.8	2543.7	2292.8	2136.7	1980.7	1865.4	1851.8
47.5°	15004.7	12169.3	4212.4	3520.5	2794.7	2333.5	2123.2	1953.6	1824.7	1743.3	1736.5
50°	15058.9	12020.0	3819.0	3167.8	2509.8	2109.6	1973.9	1804.4	1729.7	1614.4	1580.5
52.5°	15398.1	12264.2	3547.7	2781.2	2245.3	1946.8	1845.1	1695.8	1573.7	1499.1	1492.3
55°	15947.6	12684.8	3398.4	2489.5	1994.3	1790.8	1723.0	1594.1	1485.5	1410.9	1390.6
57.5°	16015.4	12901.9	3222.1	2218.1	1790.8	1668.7	1641.6	1499.1	1343.1	1288.8	1268.5
60°	*15065.7*	*12535.6*	*3005.0*	*1967.2*	*1641.6*	*1573.7*	*1560.2*	*1370.2*	*1241.3*	*1173.5*	*1146.4*
62.5°	13770.1	11619.8	2672.6	1736.5	1526.2	1478.8	1424.5	1275.3	1112.5	1037.8	1017.5
65°	11253.5	9768.0	2272.4	1580.5	1410.9	1356.7	1343.1	1139.6	1031.1	990.4	983.6
67.5°	8526.6	7848.3	2001.1	1465.2	1288.8	1268.5	1221.0	1153.2	1105.7	1058.2	1044.6
70°	6030.4	5664.1	1702.6	1316.0	1166.7	1132.8	1329.5	1254.9	1085.3	1024.3	1017.5
72.5°	3656.2	3554.5	1472.0	1180.3	1003.9	1058.2	1227.8	1132.8	976.8	902.2	875.0
75°	2306.3	2109.6	1234.6	1003.9	800.4	861.5	1071.8	1010.7	841.1	766.5	746.2
77.5°	1254.9	1166.7	929.3	820.8	630.8	698.7	936.1	834.3	671.5	732.6	651.2
80°	549.4	610.5	617.3	474.8	420.6	515.5	671.5	651.2	515.5	522.3	434.1
82.5°	264.5	345.9	400.2	325.6	237.4	305.2	447.7	373.1	345.9	325.6	312.0
85°	81.4	128.9	176.4	156.0	108.5	128.9	210.3	203.5	244.2	210.3	196.7
87.5°	27.1	27.1	20.3	20.3	20.3	27.1	33.9	20.3	6.8	6.8	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°	4789.0	4789.0	4789.0	4789.0	4789.0	4789.0	4789.0	4789.0	4789.0	4789.0	4789.0
2.5°	4687.3	4694.1	4694.1	4700.8	4700.8	4721.2	4748.3	4775.5	4755.1	4782.2	4789.0
5°	4361.7	4395.6	4422.7	4524.5	4605.9	4673.7	4748.3	4816.2	4836.5	4850.1	4884.0
7.5°	3595.2	3690.1	3866.5	4097.1	4354.9	4605.9	4775.5	4951.8	4979.0	5012.9	5060.3
10°	3059.3	3100.0	3222.1	3459.5	3920.8	4415.9	4829.7	5107.8	5223.1	5291.0	5338.5
12.5°	3147.5	3120.3	3100.0	3133.9	3432.4	4070.0	4795.8	5331.7	5548.7	5623.4	5684.4
15°	3357.7	3330.6	3256.0	3161.0	3194.9	3703.7	4680.5	5542.0	5887.9	6010.0	6138.9
17.5°	3479.8	3452.7	3391.7	3289.9	3201.7	3398.4	4463.4	5731.9	6423.8	6573.0	6756.2
20°	3547.7	3520.5	3459.5	3357.7	3256.0	3283.1	4185.3	5969.3	7034.3	7271.7	7543.0
22.5°	3561.2	3527.3	3459.5	3357.7	3296.7	3276.3	3920.8	6111.8	7692.3	8058.6	8370.6
25°	3554.5	3493.4	3405.2	3330.6	3296.7	3289.9	3737.6	6193.2	8404.5	8987.9	9340.6
27.5°	3507.0	3432.4	3344.2	3289.9	3276.3	3317.0	3656.2	6288.1	9238.9	9985.0	10548.0
30°	3452.7	3344.2	3235.6	3215.3	3249.2	3378.1	3724.0	6322.0	10113.9	11070.4	11646.9
32.5°	3310.3	3228.9	3120.3	3113.5	3194.9	3425.6	3880.1	6274.6	10887.2	12155.7	12881.5
35°	3106.8	3059.3	2998.2	3018.6	3147.5	3466.3	3988.6	6125.3	11592.7	13166.4	14014.3
37.5°	2747.2	2781.2	2815.1	2862.6	3025.4	3459.5	4036.1	5887.9	12176.0	13973.6	15058.9
40°	2347.0	2462.3	2570.9	2693.0	2910.0	3405.2	4049.6	5596.2	12515.2	14584.1	15988.3
42.5°	2096.0	2204.6	2340.2	2516.6	2754.0	3283.1	4036.1	5270.6	12623.7	15004.7	16578.4
45°	1865.4	1994.3	2163.9	2347.0	2618.4	3106.8	3914.0	4917.9	12678.0	15201.4	16829.4
47.5°	1743.3	1817.9	1973.9	2157.1	2442.0	2889.7	3676.6	4660.1	12596.6	15242.1	17134.6
50°	1600.9	1702.6	1804.4	1980.7	2258.8	2618.4	3391.7	4510.9	12732.3	15642.3	17616.3
52.5°	1492.3	1546.6	1655.1	1817.9	2021.4	2367.4	3120.3	4388.8	13105.4	16049.3	18118.2
55°	1410.9	1472.0	1539.8	1675.5	1831.5	2116.4	2842.2	4205.7	13539.5	16483.4	18620.2
57.5°	1282.0	1322.7	1417.7	1560.2	1661.9	1872.2	2516.6	3988.6	13505.6	16144.3	17751.9
60°	*1166.7*	*1207.4*	*1309.2*	*1451.6*	*1512.7*	*1655.1*	*2197.8*	*3710.5*	*12854.4*	*15038.6*	*16151.1*
62.5°	1037.8	1085.3	1207.4	1309.2	1363.4	1472.0	1865.4	3201.7	11497.7	13376.7	14278.9
65°	983.6	1010.7	1092.1	1214.2	1207.4	1309.2	1573.7	2516.6	9252.4	10222.4	11043.2
67.5°	1044.6	1085.3	1071.8	1105.7	1085.3	1139.6	1410.9	2021.4	7271.7	7699.1	8173.9
70°	1031.1	1126.0	1173.5	1105.7	949.7	1010.7	1221.0	1614.4	5202.8	5162.1	5141.7
72.5°	902.2	997.1	1132.8	1200.6	929.3	841.1	1058.2	1397.4	3337.4	3323.8	3005.0
75°	766.5	834.3	997.1	1085.3	800.4	678.3	909.0	1187.1	1994.3	2021.4	1804.4
77.5°	705.5	671.5	834.3	956.4	651.2	522.3	732.6	895.4	1098.9	1112.5	1031.1
80°	508.7	488.4	624.1	698.7	495.2	373.1	413.8	556.2	590.1	529.1	549.4
82.5°	325.6	332.4	373.1	447.7	305.2	203.5	284.9	373.1	318.8	257.8	305.2
85°	210.3	237.4	196.7	230.6	95.0	95.0	122.1	162.8	108.5	74.6	81.4
87.5°	0.0	0.0	13.6	27.1	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

REPORT NUMBER: P1501367
CATALOG NUMBER: GSS-SB5C-722-U-T2LG

CANDELA DISTRIBUTION (continued):

	285°	293°	295°	305°	315°	325°	335°	345°	355°	360°
0°	4789.0	4789.0	*4789.0*	4789.0	4789.0	4789.0	4789.0	4789.0	4789.0	4789.0
2.5°	4809.4	4802.6	*4802.6*	4816.2	4850.1	4863.6	4884.0	4877.2	4897.6	4884.0
5°	4904.3	4911.1	*4931.5*	4938.3	4958.6	4985.7	4992.5	4985.7	4999.3	4999.3
7.5°	5094.3	5121.4	*5107.8*	5141.7	5114.6	5080.7	5026.4	4985.7	4951.8	4965.4
10°	5413.1	5399.5	*5392.7*	5331.7	5209.6	5033.2	4890.8	4734.8	4707.6	4680.5
12.5°	5765.8	5752.2	*5752.2*	5542.0	5196.0	4829.7	4504.1	4259.9	4178.5	4171.7
15°	6261.0	6172.8	*6091.4*	5650.5	4958.6	4334.5	3954.7	3764.7	3717.3	3717.3
17.5°	6878.3	6647.6	*6512.0*	5569.1	4572.0	4008.9	3785.1	3737.6	3724.0	3758.0
20°	7644.8	7061.4	*6864.7*	5385.9	4429.5	4049.6	3941.1	3947.9	3954.7	4002.2
22.5°	8485.9	7441.3	*7115.7*	5385.9	4572.0	4307.4	4253.1	4327.8	4348.1	4388.8
25°	9422.0	7780.5	*7339.5*	5670.8	4992.5	4795.8	4728.0	4802.6	4856.9	4924.7
27.5°	10473.4	8133.2	*7726.2*	6186.4	5535.2	5413.1	5338.5	5372.4	5447.0	5528.4
30°	11416.3	8723.3	*8316.3*	6973.2	6274.6	6125.3	5996.4	6050.7	6132.1	6186.4
32.5°	12250.7	9442.4	*9096.4*	7800.8	7122.5	6864.7	6722.3	6708.7	6871.5	6830.8
35°	13017.2	10290.3	*9957.9*	8743.7	7984.0	7665.1	7475.2	7719.4	7610.9	7651.6
37.5°	13620.9	11172.1	*10907.6*	9645.9	8879.4	8445.2	8329.9	8628.4	8798.0	8845.4
40°	14116.1	11938.6	*11660.5*	10541.3	9700.1	9381.3	9564.5	10059.6	10039.3	10018.9
42.5°	14495.9	12596.6	*12291.4*	11219.6	10487.0	10548.0	10690.5	11022.9	11104.3	10989.0
45°	14665.5	13010.4	*12766.2*	11755.5	11382.4	11735.1	11796.2	11938.6	11884.4	11809.7
47.5°	14862.2	13376.7	*13118.9*	12243.9	12352.4	12698.4	12576.3	12460.9	12264.2	12148.9
50°	15194.6	13810.8	*13593.8*	12956.1	13349.6	13234.2	12759.4	12501.6	12101.4	11965.8
52.5°	15825.5	14631.6	*14468.8*	14082.2	13817.6	13152.8	12576.3	12115.0	11667.3	11484.1
55°	16388.5	15744.1	*15649.1*	15133.6	13675.2	12725.5	11952.2	11239.9	10473.4	10317.4
57.5°	16714.1	17589.1	*17697.7*	15581.3	13024.0	11755.5	10615.9	9476.3	8750.5	8621.6
60°	*15744.1*	*19583.4*	*19637.7*	*15493.1*	*11850.4*	*10005.4*	*8268.9*	*7461.6*	*6681.6*	*6457.7*
62.5°	14407.8	19169.6	*19122.2*	14964.0	9435.6	7298.8	6281.3	5901.5	5297.8	5114.6
65°	12386.3	15967.9	*16022.2*	12929.0	6274.6	5277.4	5277.4	4795.8	4124.3	3995.4
67.5°	10093.6	12311.7	*12189.6*	8384.2	3852.9	4226.0	4429.5	3737.6	2794.7	2638.7
70°	6559.5	9401.7	*9232.1*	4836.5	2421.6	3520.5	3486.6	2808.3	2001.1	1892.5
72.5°	2821.9	5433.4	*5779.4*	2469.1	1824.7	2835.4	2781.2	1967.2	1336.3	1288.8
75°	1702.6	2733.7	*2977.9*	1573.7	1329.5	2136.7	1926.5	1248.1	909.0	875.0
77.5°	1078.5	1499.1	*1485.5*	1180.3	997.1	1444.8	1295.6	861.5	617.3	590.1
80°	624.1	739.4	*766.5*	739.4	671.5	1031.1	827.6	624.1	481.6	447.7
82.5°	400.2	461.3	*468.0*	359.5	373.1	664.8	447.7	366.3	278.1	251.0
85°	176.4	196.7	*189.9*	122.1	122.1	271.3	156.0	149.2	108.5	108.5
87.5°	6.8	13.6	*6.8*	6.8	6.8	27.1	13.6	20.3	20.3	20.3
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: SP1-2407-184-2

Test Date: 10/09/2024

Luminaire Tested: GSS-SB1A-722-U-5WQ

Data in this report applies to families of products including GSS-SB1A-722-U-5WQ

Report Generated By FNC07603 / LDUCLS01DT446
Version: v7.04

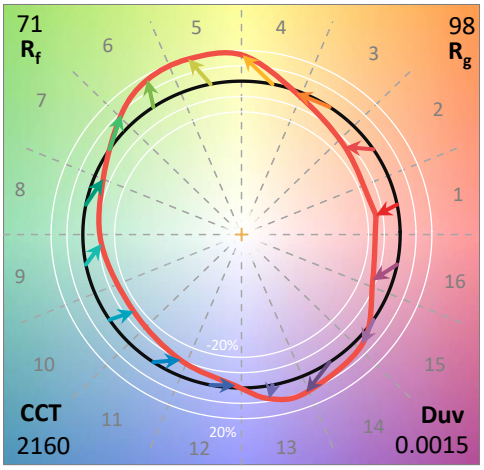
Test Information

Test Method:	LM-79-2019
Report Number:	SP1-2407-184-2
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-722-U-5WQ**
Description:	GALLEON II SITE SLIM 1SQ 350MA 5WQ HIGH DENSITY LIGHTSQUARE WITH 70 CRI 2200K CCT 26 LEDS

Spectral Parameters

CCT (K):	2160
CIE u':	0.2927
CIE v':	0.5388
Duv:	0.0015
CIE x:	0.5130
CIE y:	0.4197
CIE z:	0.0674
Peak Wavelength (nm):	609
Dominant Wavelength (nm):	587
Purity:	79.96089
Rf:	70.6
Rg:	97.6

CRI (Ra):	71.9
R1:	68.7
R2:	82.6
R3:	95.5
R4:	66.4
R5:	65.4
R6:	75.9
R7:	77.2
R8:	43.5
R9:	-17.8
R10:	60.5
R11:	60.2
R12:	48.2
R13:	70.7
R14:	96.8
R15:	61.8



Test Conditions

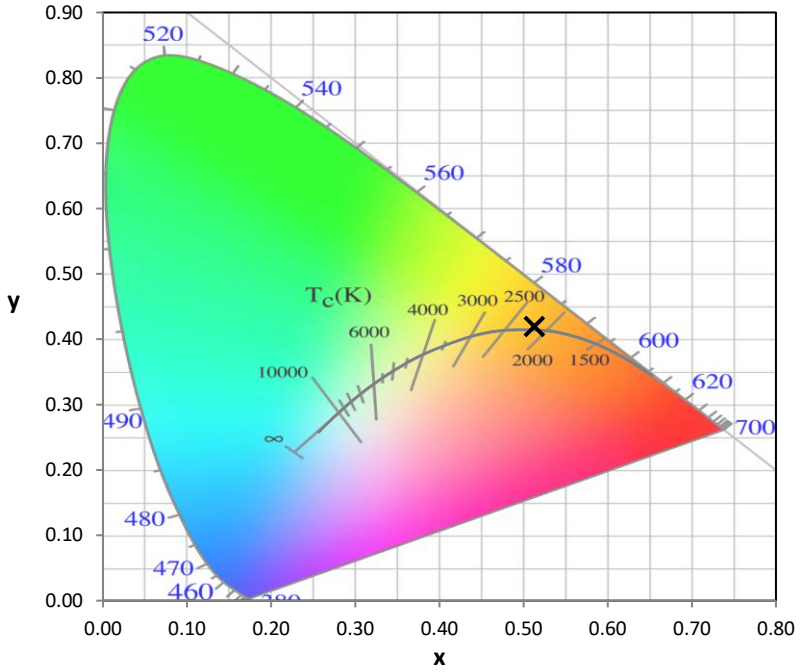
Stabilization Time:	21M
Operation Time:	1H 21M
Sphere Temperature (°C):	25.2

REPORT NUMBER: SP1-2407-184-2

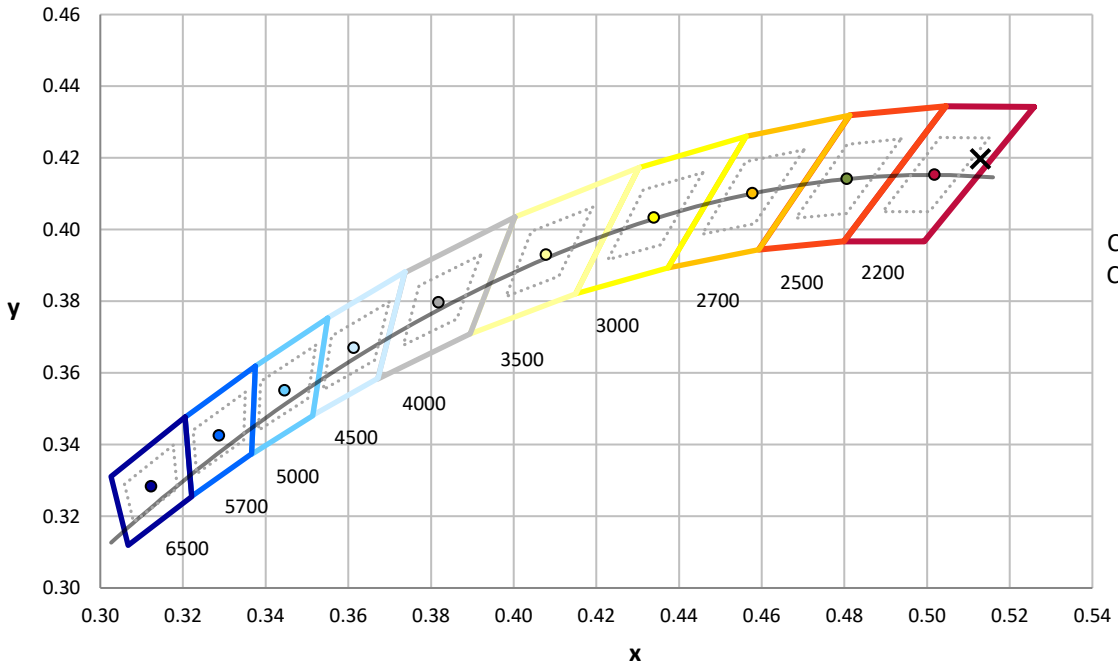
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

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CIE 1931 Chromaticity Diagram



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

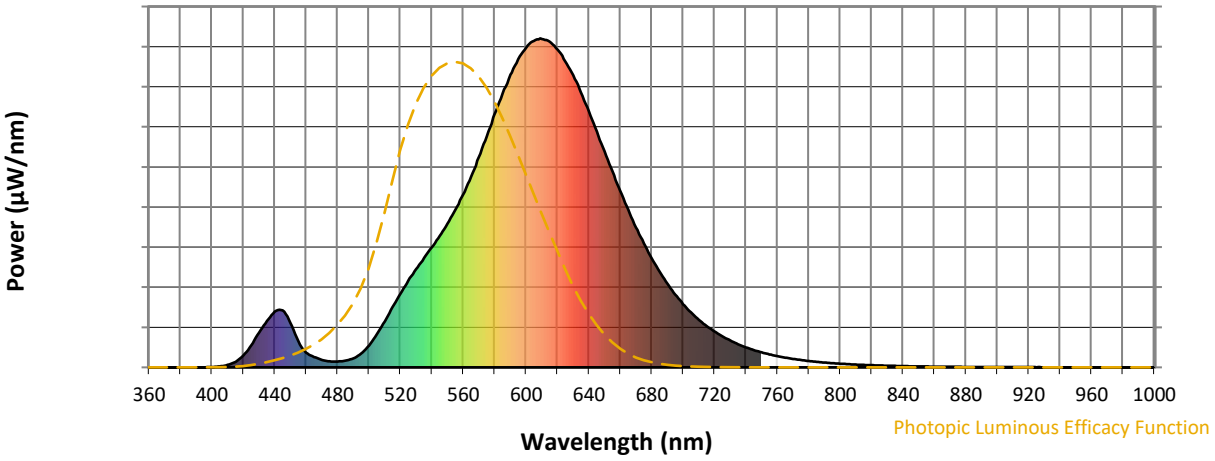


CCT = 2160K
CIE x = 0.5130
CIE y = 0.4197
Duv = 0.0015

Point lies inside the ANSI 2200K 7-step quadrangle

REPORT NUMBER: SP1-2407-184-2

Photopic Flux vs. Wavelength

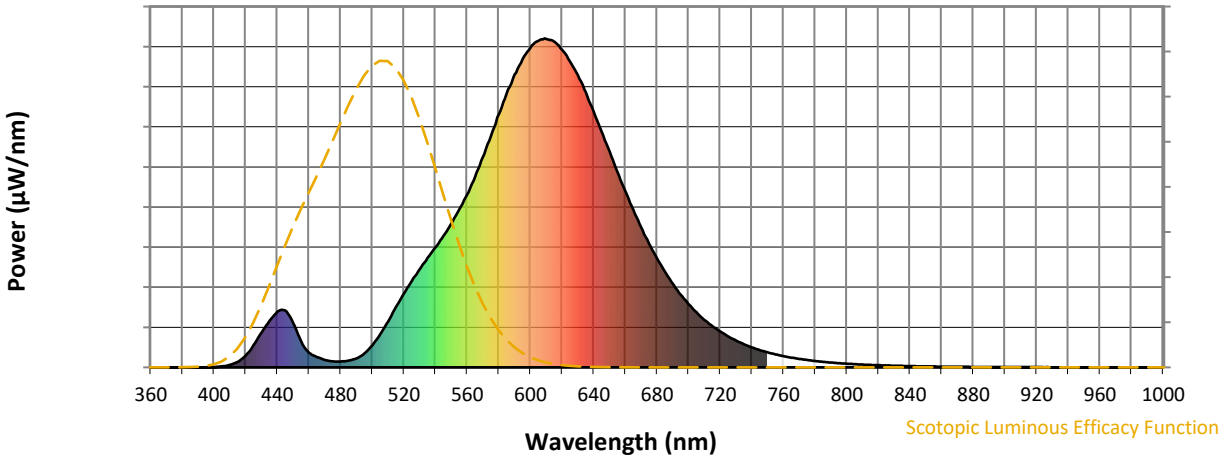


Photopic Lumens: NR

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	27	NR	620	966	NR	750	46	NR	880	1	NR
365	0	NR	495	42	NR	625	930	NR	755	39	NR	885	1	NR
370	0	NR	500	67	NR	630	888	NR	760	34	NR	890	1	NR
375	0	NR	505	101	NR	635	835	NR	765	30	NR	895	1	NR
380	0	NR	510	139	NR	640	778	NR	770	26	NR	900	1	NR
385	0	NR	515	183	NR	645	717	NR	775	22	NR	905	1	NR
390	0	NR	520	224	NR	650	656	NR	780	19	NR	910	1	NR
395	0	NR	525	262	NR	655	595	NR	785	17	NR	915	1	NR
400	1	NR	530	299	NR	660	536	NR	790	15	NR	920	1	NR
405	3	NR	535	332	NR	665	480	NR	795	13	NR	925	1	NR
410	7	NR	540	365	NR	670	425	NR	800	11	NR	930	1	NR
415	17	NR	545	400	NR	675	376	NR	805	10	NR	935	0	NR
420	36	NR	550	437	NR	680	332	NR	810	8	NR	940	0	NR
425	67	NR	555	479	NR	685	291	NR	815	8	NR	945	0	NR
430	105	NR	560	525	NR	690	255	NR	820	7	NR	950	0	NR
435	141	NR	565	579	NR	695	221	NR	825	6	NR	955	0	NR
440	169	NR	570	639	NR	700	192	NR	830	5	NR	960	0	NR
445	173	NR	575	703	NR	705	167	NR	835	4	NR	965	0	NR
450	136	NR	580	769	NR	710	144	NR	840	4	NR	970	0	NR
455	80	NR	585	832	NR	715	125	NR	845	3	NR	975	0	NR
460	45	NR	590	890	NR	720	109	NR	850	3	NR	980	0	NR
465	32	NR	595	937	NR	725	94	NR	855	3	NR	985	0	NR
470	23	NR	600	972	NR	730	81	NR	860	2	NR	990	0	NR
475	18	NR	605	992	NR	735	70	NR	865	2	NR	995	0	NR
480	18	NR	610	998	NR	740	61	NR	870	2	NR	1000	0	NR
485	20	NR	615	990	NR	745	53	NR	875	2	NR			

REPORT NUMBER: SP1-2407-184-2

Scotopic Flux vs. Wavelength

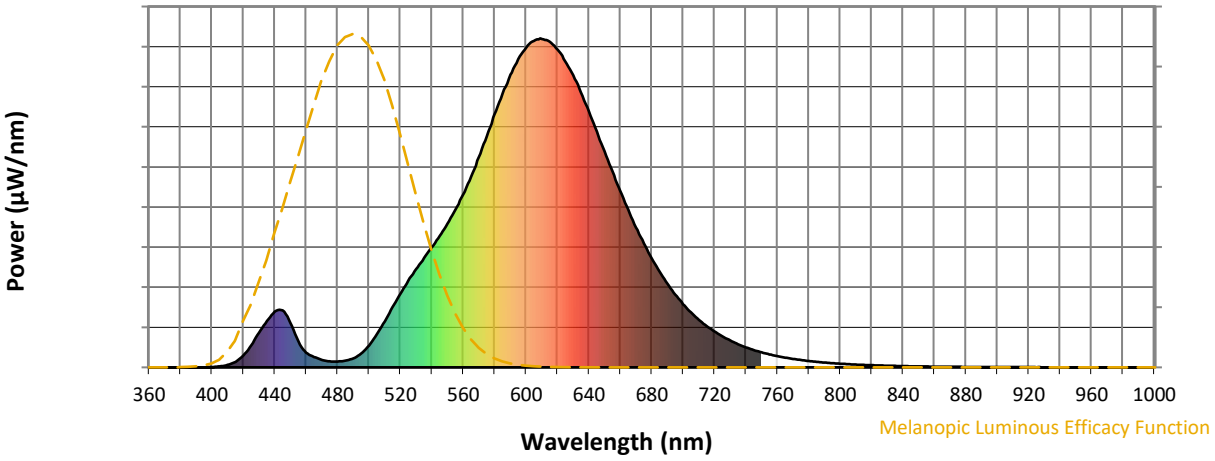


Scotopic Lumens: NR **S/P: 0.8**

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	27	NR	620	966	NR	750	46	NR	880	1	NR
365	0	NR	495	42	NR	625	930	NR	755	39	NR	885	1	NR
370	0	NR	500	67	NR	630	888	NR	760	34	NR	890	1	NR
375	0	NR	505	101	NR	635	835	NR	765	30	NR	895	1	NR
380	0	NR	510	139	NR	640	778	NR	770	26	NR	900	1	NR
385	0	NR	515	183	NR	645	717	NR	775	22	NR	905	1	NR
390	0	NR	520	224	NR	650	656	NR	780	19	NR	910	1	NR
395	0	NR	525	262	NR	655	595	NR	785	17	NR	915	1	NR
400	1	NR	530	299	NR	660	536	NR	790	15	NR	920	1	NR
405	3	NR	535	332	NR	665	480	NR	795	13	NR	925	1	NR
410	7	NR	540	365	NR	670	425	NR	800	11	NR	930	1	NR
415	17	NR	545	400	NR	675	376	NR	805	10	NR	935	0	NR
420	36	NR	550	437	NR	680	332	NR	810	8	NR	940	0	NR
425	67	NR	555	479	NR	685	291	NR	815	8	NR	945	0	NR
430	105	NR	560	525	NR	690	255	NR	820	7	NR	950	0	NR
435	141	NR	565	579	NR	695	221	NR	825	6	NR	955	0	NR
440	169	NR	570	639	NR	700	192	NR	830	5	NR	960	0	NR
445	173	NR	575	703	NR	705	167	NR	835	4	NR	965	0	NR
450	136	NR	580	769	NR	710	144	NR	840	4	NR	970	0	NR
455	80	NR	585	832	NR	715	125	NR	845	3	NR	975	0	NR
460	45	NR	590	890	NR	720	109	NR	850	3	NR	980	0	NR
465	32	NR	595	937	NR	725	94	NR	855	3	NR	985	0	NR
470	23	NR	600	972	NR	730	81	NR	860	2	NR	990	0	NR
475	18	NR	605	992	NR	735	70	NR	865	2	NR	995	0	NR
480	18	NR	610	998	NR	740	61	NR	870	2	NR	1000	0	NR
485	20	NR	615	990	NR	745	53	NR	875	2	NR			

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Melanopic Flux vs. Wavelength



Melanopic Lumens: NR **M/P: 1.21**

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	27	NR	620	966	NR	750	46	NR	880	1	NR
365	0	NR	495	42	NR	625	930	NR	755	39	NR	885	1	NR
370	0	NR	500	67	NR	630	888	NR	760	34	NR	890	1	NR
375	0	NR	505	101	NR	635	835	NR	765	30	NR	895	1	NR
380	0	NR	510	139	NR	640	778	NR	770	26	NR	900	1	NR
385	0	NR	515	183	NR	645	717	NR	775	22	NR	905	1	NR
390	0	NR	520	224	NR	650	656	NR	780	19	NR	910	1	NR
395	0	NR	525	262	NR	655	595	NR	785	17	NR	915	1	NR
400	1	NR	530	299	NR	660	536	NR	790	15	NR	920	1	NR
405	3	NR	535	332	NR	665	480	NR	795	13	NR	925	1	NR
410	7	NR	540	365	NR	670	425	NR	800	11	NR	930	1	NR
415	17	NR	545	400	NR	675	376	NR	805	10	NR	935	0	NR
420	36	NR	550	437	NR	680	332	NR	810	8	NR	940	0	NR
425	67	NR	555	479	NR	685	291	NR	815	8	NR	945	0	NR
430	105	NR	560	525	NR	690	255	NR	820	7	NR	950	0	NR
435	141	NR	565	579	NR	695	221	NR	825	6	NR	955	0	NR
440	169	NR	570	639	NR	700	192	NR	830	5	NR	960	0	NR
445	173	NR	575	703	NR	705	167	NR	835	4	NR	965	0	NR
450	136	NR	580	769	NR	710	144	NR	840	4	NR	970	0	NR
455	80	NR	585	832	NR	715	125	NR	845	3	NR	975	0	NR
460	45	NR	590	890	NR	720	109	NR	850	3	NR	980	0	NR
465	32	NR	595	937	NR	725	94	NR	855	3	NR	985	0	NR
470	23	NR	600	972	NR	730	81	NR	860	2	NR	990	0	NR
475	18	NR	605	992	NR	735	70	NR	865	2	NR	995	0	NR
480	18	NR	610	998	NR	740	61	NR	870	2	NR	1000	0	NR
485	20	NR	615	990	NR	745	53	NR	875	2	NR			

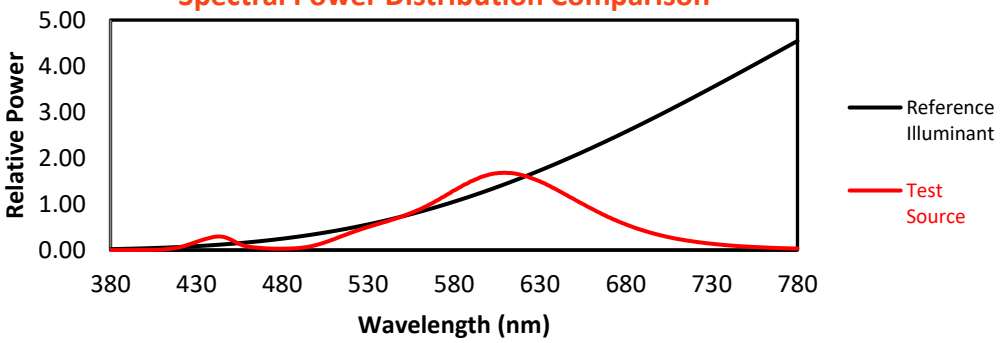
REPORT NUMBER: SP1-2407-184-2

TM-30-18

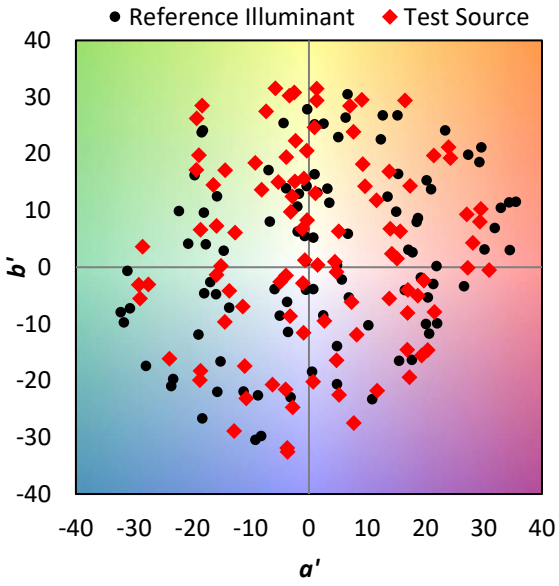
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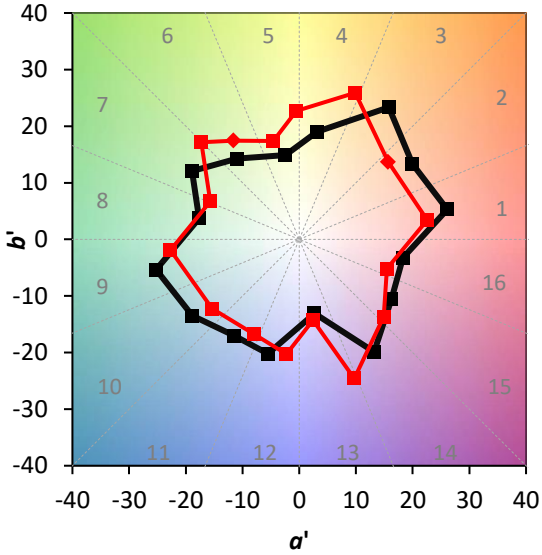
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R_g = 97.6
CIE R_a = 71.9
R_9 = -17.8

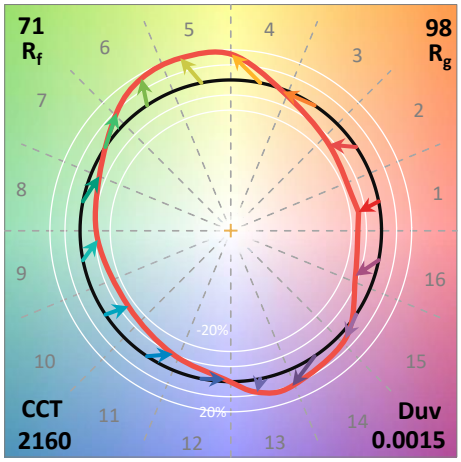
Spectral Power Distribution Comparison

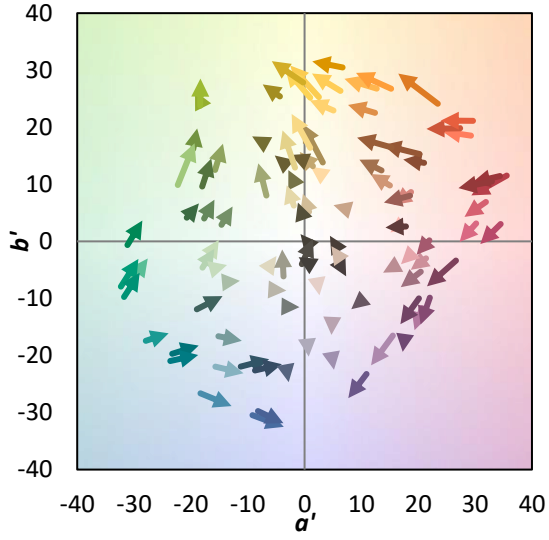


Color Vector Graphics







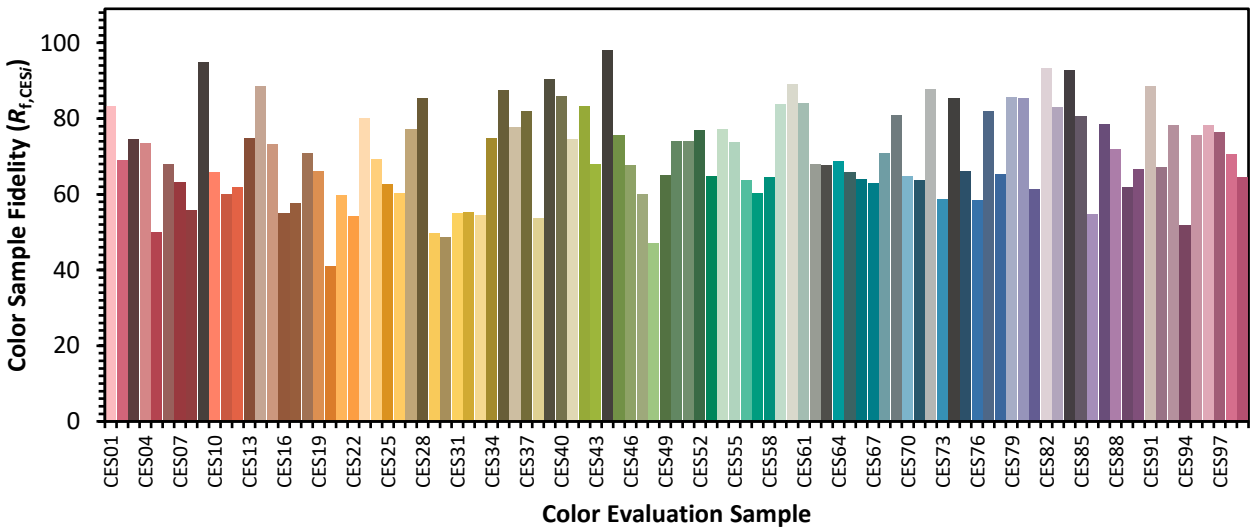


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Individual Sample Fidelity Index ($R_{f,i}$)

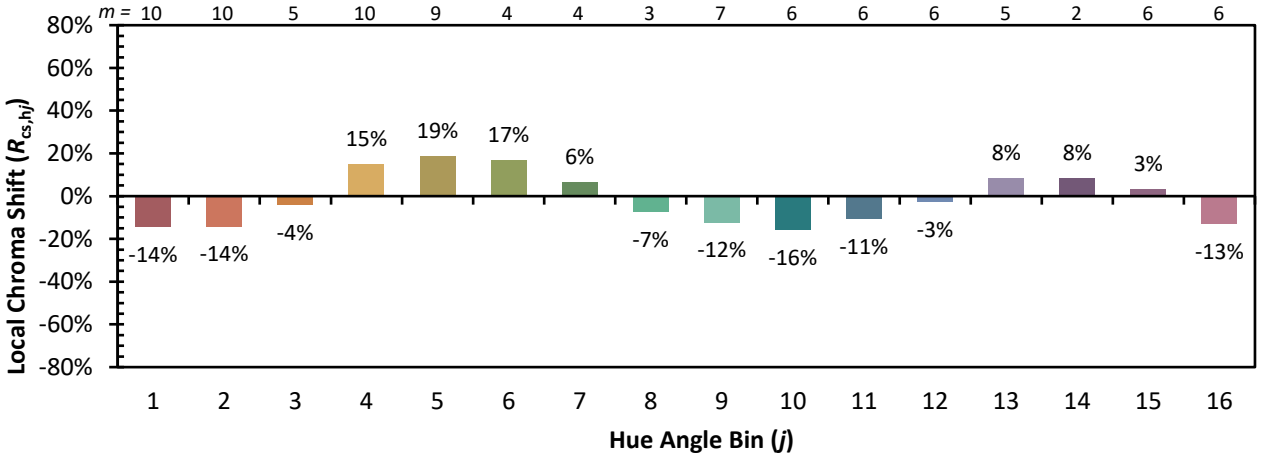
CES01 = 87	CES26 = 60	CES51 = 74	CES76 = 58
CES02 = 65	CES27 = 77	CES52 = 77	CES77 = 82
CES03 = 32	CES28 = 85	CES53 = 65	CES78 = 65
CES04 = 72	CES29 = 50	CES54 = 77	CES79 = 86
CES05 = 52	CES30 = 49	CES55 = 74	CES80 = 85
CES06 = 53	CES31 = 55	CES56 = 64	CES81 = 61
CES07 = 44	CES32 = 55	CES57 = 60	CES82 = 93
CES08 = 43	CES33 = 55	CES58 = 64	CES83 = 83
CES09 = 29	CES34 = 75	CES59 = 84	CES84 = 93
CES10 = 79	CES35 = 88	CES60 = 89	CES85 = 81
CES11 = 62	CES36 = 78	CES61 = 84	CES86 = 55
CES12 = 68	CES37 = 82	CES62 = 68	CES87 = 79
CES13 = 45	CES38 = 54	CES63 = 68	CES88 = 72
CES14 = 75	CES39 = 90	CES64 = 69	CES89 = 62
CES15 = 72	CES40 = 86	CES65 = 66	CES90 = 67
CES16 = 49	CES41 = 75	CES66 = 64	CES91 = 89
CES17 = 51	CES42 = 83	CES67 = 63	CES92 = 67
CES18 = 57	CES43 = 68	CES68 = 71	CES93 = 78
CES19 = 74	CES44 = 98	CES69 = 81	CES94 = 52
CES20 = 68	CES45 = 76	CES70 = 65	CES95 = 76
CES21 = 89	CES46 = 68	CES71 = 64	CES96 = 78
CES22 = 81	CES47 = 60	CES72 = 88	CES97 = 76
CES23 = 92	CES48 = 47	CES73 = 59	CES98 = 71
CES24 = 92	CES49 = 65	CES74 = 85	CES99 = 65
CES25 = 74	CES50 = 74	CES75 = 66	

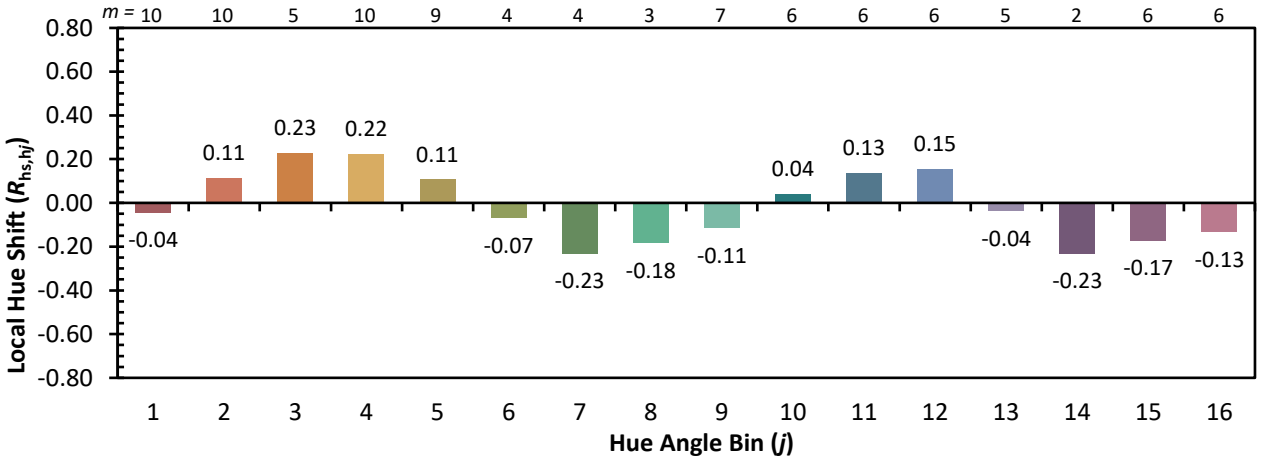


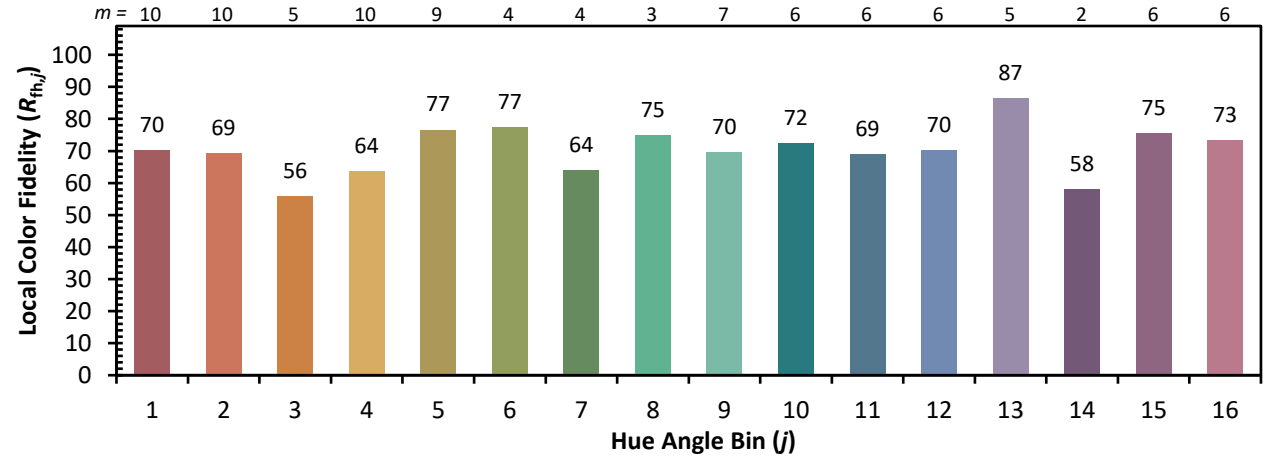
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Color Rendition by Hue-Angle Bin



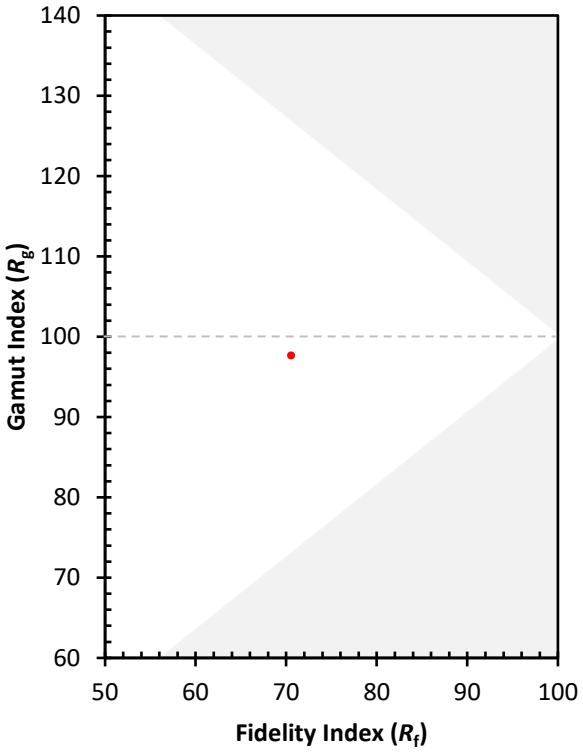


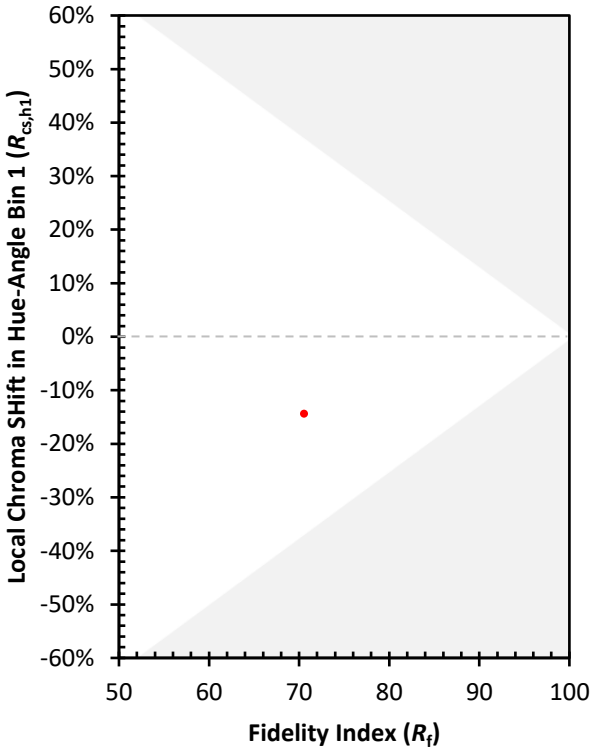


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Measure Comparisons





(END OF REPORT)