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: P1501363

Luminaire Tested: GSS-SB4C-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:	P1501363
Test Lab:	INNOVATION CENTER(G1)
Issue Date:	7/20/2026
Manufacturer:	COOPER LIGHTING SOLUTIONS
Product Line:	McGRAW-EDISON
Catalog Number:	GSS-SB4C-722-U-T2LG
Description:	GALLEON II SLIM SITE HIGH DENSITY LED ARRAYS 4SQUARE 204W 70CRI 2200K FIXTURE w/ TYPE II LOW GLARE DISTRIBUTION FIXTURE
Light Source:	(104) 2200K CCT, 70 CRI LEDS
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	23824.7 lumens
Efficiency:	N/A
Efficacy:	116.8 lumens/watt
Luminous Opening:	Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification:	Type II - Short
BUG Rating:	B3 - U0 - G3

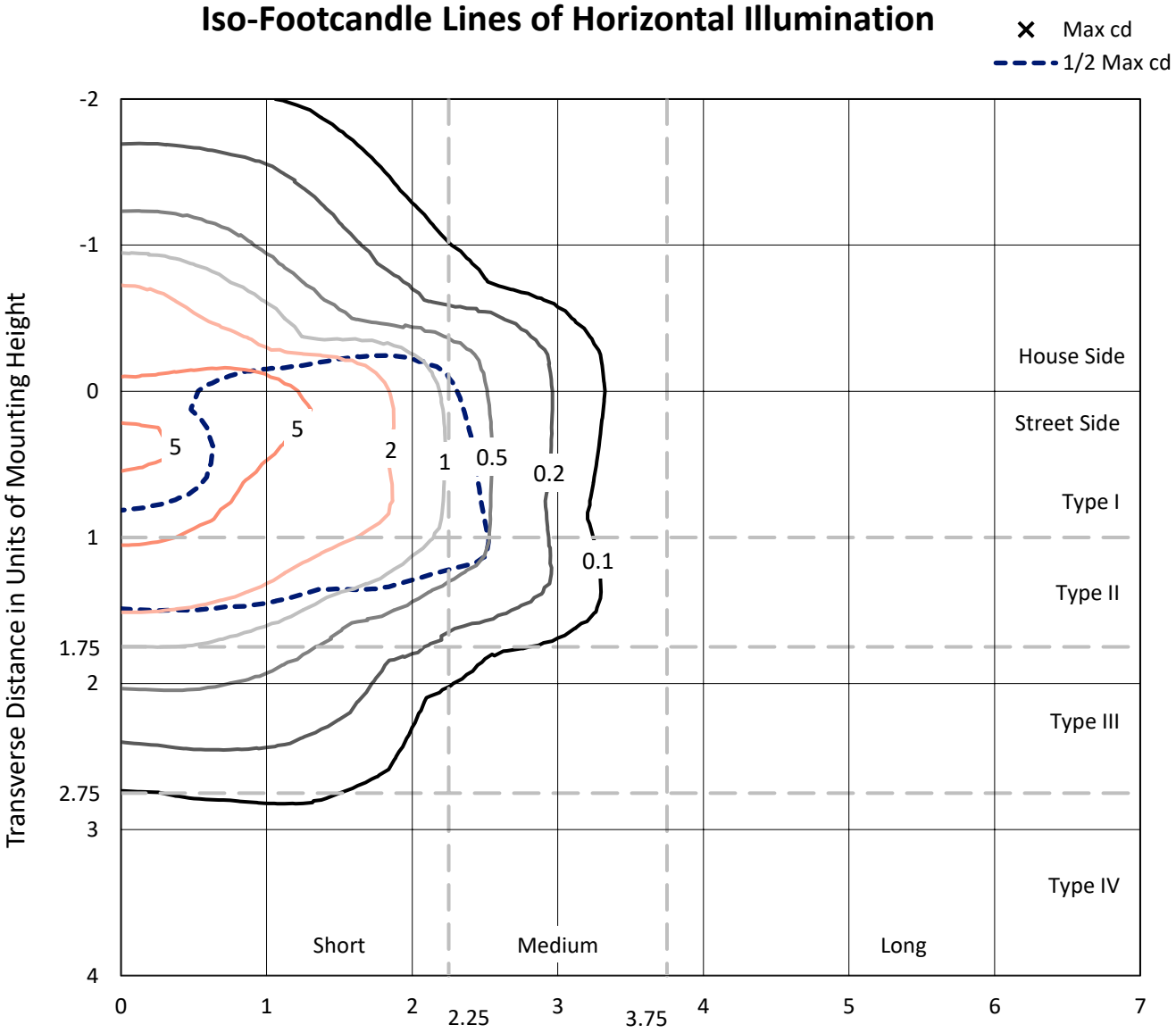
Input Watts (W):	204
Input Voltage (V):	120
Input Current (Ain):	NR
Voltage Rise (V):	NR
Power Factor:	0.98
Total Harmonic Distortion (THDi):	9.5%
Frequency (hertz):	60
Stabilization Time:	NR
Operation Time:	NR
Ambient Temperature (°C):	NR
Test Distance:	28.75 FT

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Iso-Footcandle Lines of Horizontal Illumination



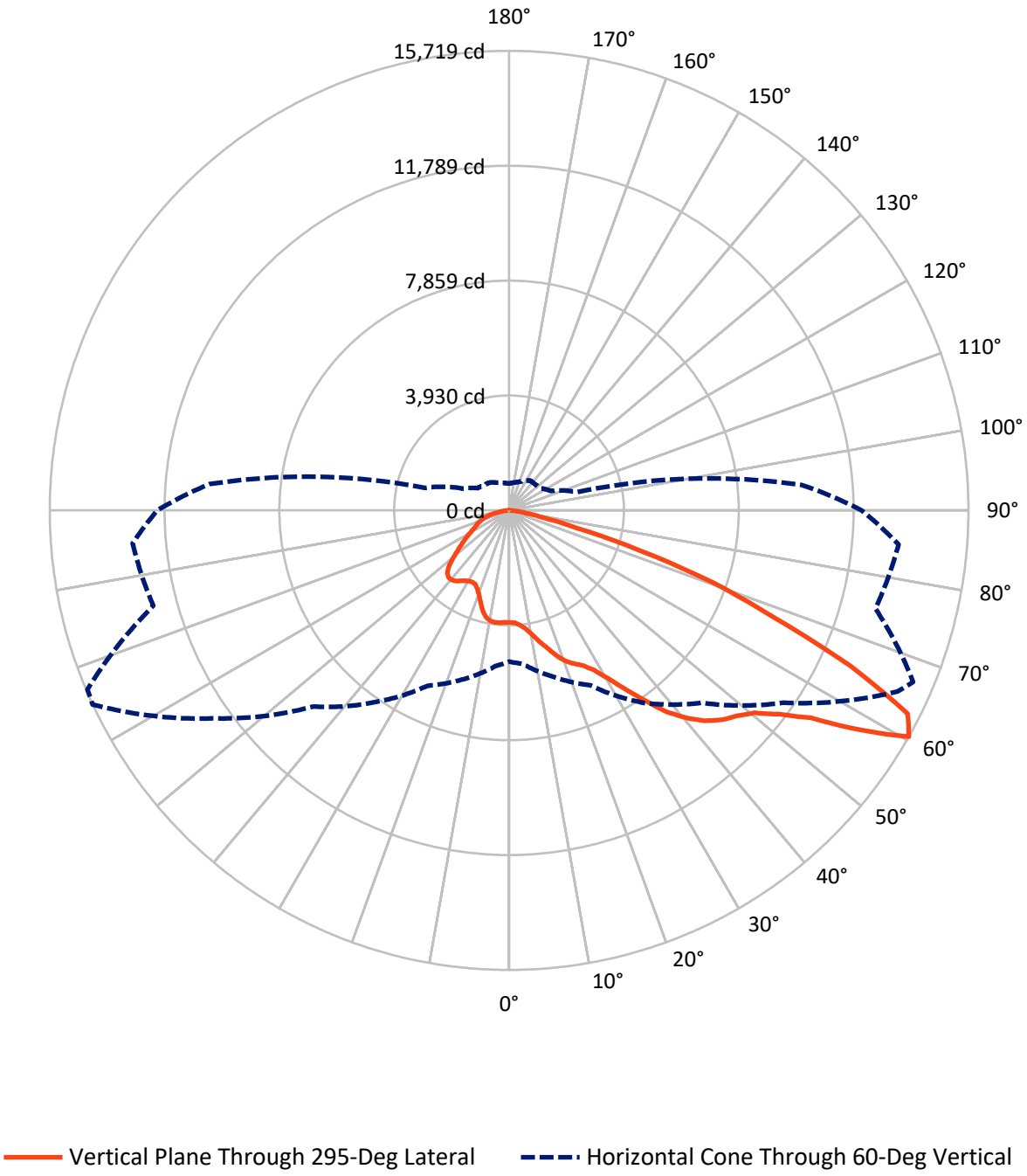
Based on 25 foot mounting height. Maximum calculated value = 9.2 fc
Type II - Short - N/A

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Luminous Intensity Polar Plot



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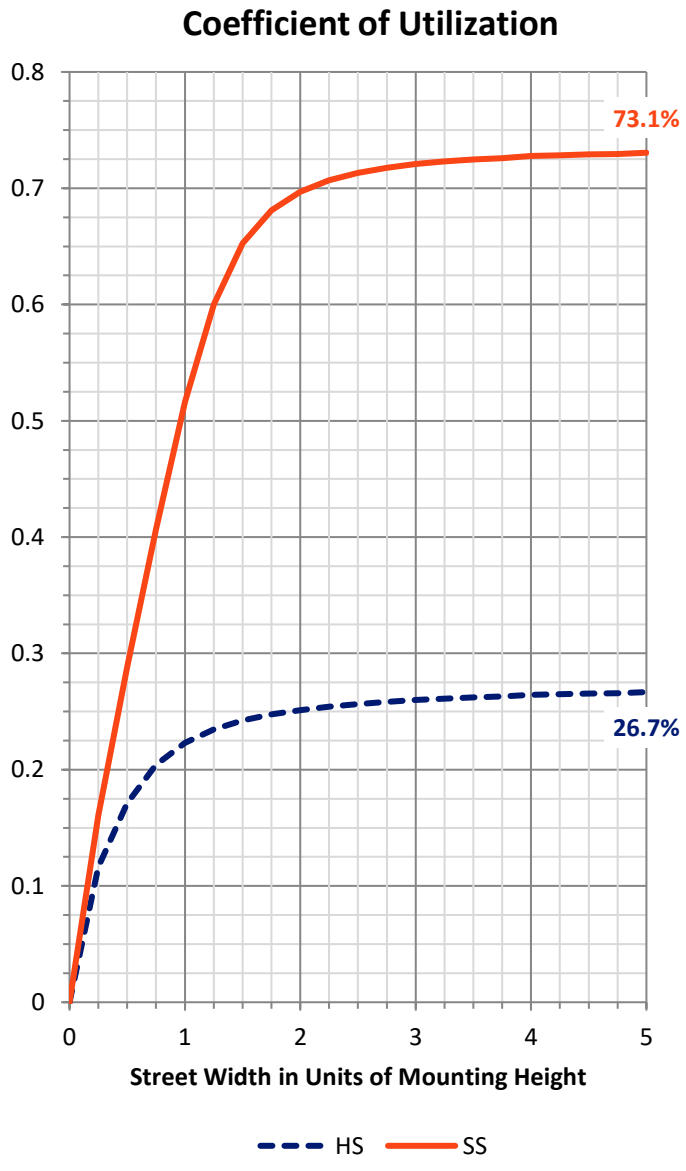
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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	6406.8	0.0	6406.8
	% Fixture	26.9	0.0	26.9
Street Side	Lumens	17418.0	0.0	17418.0
	% Fixture	73.1	0.0	73.1
Total	Lumens	23824.7	0.0	23824.7
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	360.4	1.5
10°-20°	1036.1	4.3
20°-30°	1962.5	8.2
30°-40°	3459.8	14.5
40°-50°	5116.7	21.5
50°-60°	6008.4	25.2
60°-70°	4353.4	18.3
70°-80°	1342.5	5.6
80°-90°	184.8	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°	23824.7	100.0
0°-180°	23824.7	100.0



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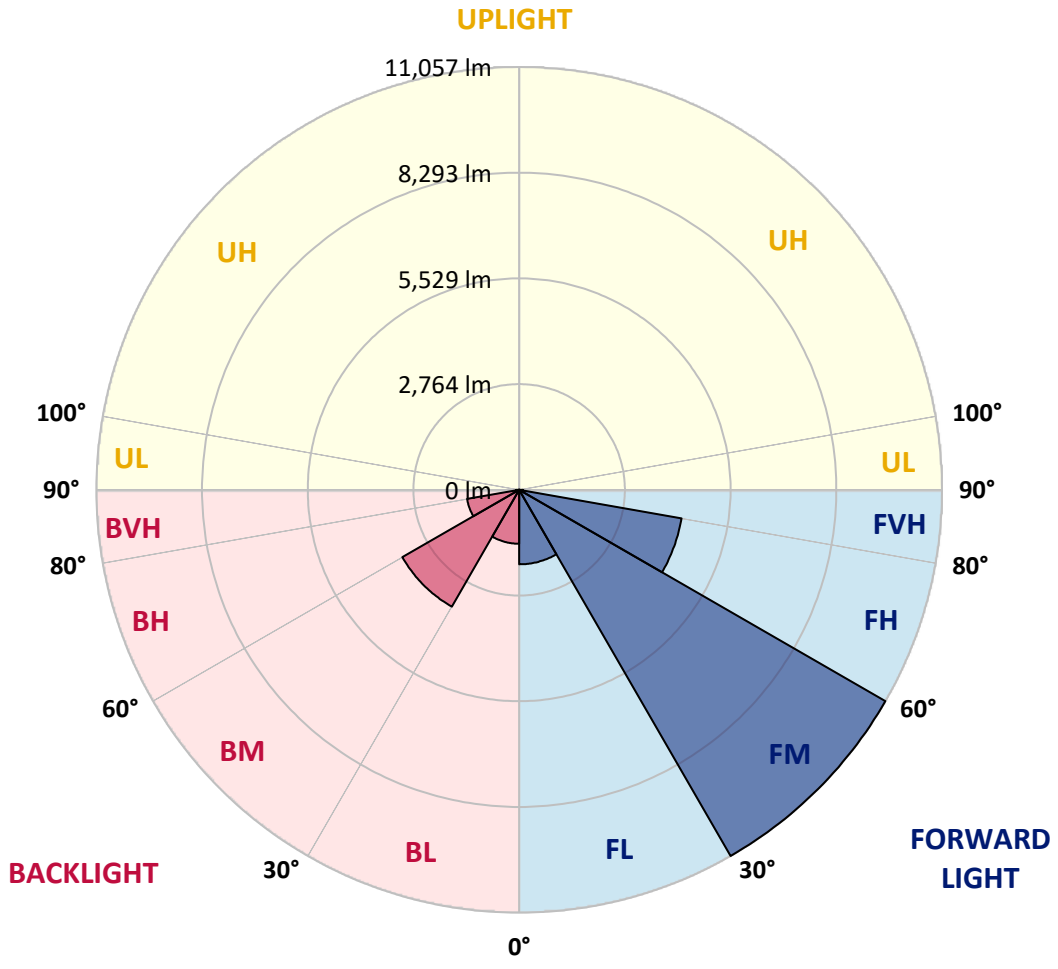
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	1948.1	8.2			
FM	(30°-60°)	11057.2	46.4			
FH	(60°-80°)	4313.0	18.1			G2/5000
FVH	(80°-90°)	99.7	0.4			G1/100
BL	(0°-30°)	1411.0	5.9	B3/2500		
BM	(30°-60°)	3527.8	14.8	B3/5000		
BH	(60°-80°)	1382.9	5.8	B3/2500		G3/2500
BVH	(80°-90°)	85.1	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°	3833.3	3833.3	3833.3	3833.3	3833.3	3833.3	3833.3	3833.3	3833.3	3833.3	3833.3
2.5°	3909.3	3920.2	3903.9	3914.7	3914.7	3898.4	3893.0	3871.3	3882.2	3876.7	3871.3
5°	4001.6	4007.0	3996.2	4012.5	4012.5	4017.9	4012.5	3985.3	3985.3	3985.3	3974.5
7.5°	3974.5	3974.5	3979.9	4034.2	4088.5	4159.1	4159.1	4148.2	4159.1	4153.6	4104.8
10°	3746.4	3768.1	3817.0	3952.7	4083.0	4235.1	4338.2	4370.8	4370.8	4376.2	4294.8
12.5°	3339.2	3355.5	3469.5	3675.8	3947.3	4224.2	4474.0	4636.9	4653.2	4680.3	4571.7
15°	2975.4	2986.3	3067.7	3279.5	3589.0	4077.6	4550.0	4886.6	4940.9	5054.9	4892.1
17.5°	3008.0	3002.6	3024.3	3105.7	3328.3	3838.7	4533.7	5179.8	5277.6	5478.4	5337.3
20°	3203.5	3203.5	3219.7	3236.0	3317.5	3665.0	4414.3	5418.7	5608.8	5999.7	5836.8
22.5°	3512.9	3512.9	3507.5	3534.7	3534.7	3741.0	4419.7	5597.9	5880.2	6580.7	6423.2
25°	3941.9	3920.2	3920.2	3931.0	3882.2	4028.7	4555.4	5782.5	6151.7	7270.2	7134.5
27.5°	4425.1	4441.4	4430.5	4392.5	4327.4	4441.4	4881.2	6070.3	6455.8	7997.8	7943.5
30°	4951.8	4957.2	4968.1	4946.3	4892.1	4973.5	5391.6	6504.6	6857.6	8757.9	8877.4
32.5°	5467.6	5543.6	5516.5	5462.2	5483.9	5630.5	6021.4	7091.0	7454.8	9463.8	9887.3
35°	6124.6	6151.7	6260.3	6059.4	6064.8	6314.6	6825.0	7862.0	8215.0	10196.8	10897.2
37.5°	7080.2	7129.0	7080.2	6765.3	6716.4	7063.9	7606.8	8622.2	8877.4	10750.6	11836.5
40°	8019.5	8079.2	8160.7	7791.5	7482.0	7769.7	8345.3	9203.1	9469.2	11054.6	12460.9
42.5°	8795.9	8893.7	8806.8	8698.2	8415.9	8470.1	8861.1	9653.8	9919.8	11440.1	13090.7
45°	9452.9	9469.2	9507.2	9431.2	9290.0	9241.1	9300.9	10050.2	10343.4	11613.9	13400.2
47.5°	9724.4	9795.0	9827.5	9957.9	10104.5	10006.7	9675.5	10234.8	10500.8	11603.0	13497.9
50°	9577.8	9648.4	9822.1	10131.6	10484.5	10658.3	10115.3	10490.0	10788.6	11798.5	13698.8
52.5°	9192.3	9268.3	9550.6	9903.6	10495.4	10891.7	10734.3	11022.1	11309.8	12146.0	14035.5
55°	8258.4	8372.4	8768.8	9355.2	10169.6	10766.9	11385.8	11803.9	12118.8	12564.1	14383.0
57.5°	6901.0	7020.4	7465.7	8345.3	9566.9	10251.1	11575.9	13269.9	13411.1	13063.6	14415.5
60°	*5169.0*	*5266.7*	*5896.5*	*6602.4*	*8035.8*	*9306.3*	*11467.3*	*14659.9*	*15018.2*	*12976.7*	*13378.5*
62.5°	4093.9	4213.4	4772.6	5098.4	6124.6	7688.3	11087.2	15045.4	15354.9	12260.0	11934.2
65°	3198.0	3279.5	3800.7	4267.7	4517.4	5250.4	9501.8	13161.3	13438.2	11092.6	9849.3
67.5°	2112.1	2237.0	2856.0	3496.7	3627.0	3339.2	6537.2	10126.2	10256.5	8817.6	7406.0
70°	1514.9	1574.6	2036.1	2720.2	2915.7	2237.0	3561.8	7666.6	7704.6	5918.2	4989.8
72.5°	1031.6	1042.5	1384.5	2085.0	2323.9	1623.4	1960.1	5049.5	4919.2	2921.1	2856.0
75°	700.4	711.3	885.0	1390.0	1645.2	1129.4	1276.0	2752.8	2644.2	1612.6	1732.0
77.5°	472.4	483.2	608.1	933.9	1096.8	781.9	933.9	1455.1	1428.0	1069.6	928.5
80°	358.4	374.6	450.7	597.3	765.6	456.1	532.1	689.6	700.4	570.1	472.4
82.5°	200.9	222.6	271.5	304.1	494.1	255.2	255.2	412.6	396.4	352.9	255.2
85°	86.9	92.3	108.6	114.0	200.9	108.6	92.3	179.2	184.6	173.7	81.4
87.5°	16.3	16.3	16.3	16.3	16.3	16.3	16.3	21.7	21.7	21.7	21.7
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°	3833.3	3833.3	3833.3	3833.3	3833.3	3833.3	3833.3	3833.3	3833.3	3833.3	3833.3
2.5°	3844.1	3876.7	3844.1	3827.9	3827.9	3800.7	3789.8	3789.8	3751.8	3768.1	3757.3
5°	3931.0	3941.9	3903.9	3855.0	3789.8	3735.6	3659.5	3561.8	3502.1	3496.7	3502.1
7.5°	4066.8	4072.2	3969.0	3860.4	3697.5	3502.1	3268.6	3078.6	2910.3	2883.1	2915.7
10°	4256.8	4245.9	4093.9	3838.7	3496.7	3084.0	2725.7	2551.9	2454.2	2448.7	2443.3
12.5°	4512.0	4441.4	4207.9	3746.4	3149.2	2671.4	2486.7	2475.9	2503.0	2524.8	2530.2
15°	4805.2	4712.9	4300.2	3567.2	2796.2	2519.3	2530.2	2622.5	2655.1	2676.8	2676.8
17.5°	5169.0	5049.5	4403.4	3312.0	2617.1	2551.9	2627.9	2714.8	2769.1	2790.8	2785.4
20°	5652.2	5402.4	4484.8	3067.7	2568.2	2606.2	2671.4	2758.2	2812.5	2839.7	2839.7
22.5°	6135.4	5825.9	4501.1	2899.4	2568.2	2611.6	2671.4	2758.2	2818.0	2845.1	2839.7
25°	6792.4	6368.9	4506.6	2779.9	2573.6	2584.5	2638.8	2714.8	2801.7	2828.8	2839.7
27.5°	7492.8	6966.2	4533.7	2752.8	2551.9	2546.5	2584.5	2655.1	2741.9	2812.5	2818.0
30°	8361.6	7639.4	4544.6	2779.9	2557.3	2486.7	2513.9	2584.5	2676.8	2747.4	2769.1
32.5°	9214.0	8263.8	4522.8	2839.7	2568.2	2448.7	2454.2	2497.6	2595.3	2644.2	2682.2
35°	10115.3	8926.2	4484.8	2921.1	2573.6	2432.5	2383.6	2405.3	2470.5	2475.9	2492.2
37.5°	10821.2	9420.3	4370.8	3029.7	2584.5	2372.7	2275.0	2258.7	2231.6	2177.3	2188.1
40°	11402.1	9751.5	4180.8	3084.0	2557.3	2302.1	2139.3	2063.2	1960.1	1878.6	1894.9
42.5°	11820.2	9974.1	3952.7	3094.9	2513.9	2182.7	1981.8	1851.5	1737.5	1650.6	1656.0
45°	12004.8	9952.4	3708.4	3013.4	2410.7	2036.1	1835.2	1710.3	1585.4	1493.1	1482.3
47.5°	12010.2	9740.7	3371.8	2818.0	2237.0	1867.8	1699.5	1563.7	1460.6	1395.4	1390.0
50°	12053.7	9621.2	3056.9	2535.6	2008.9	1688.6	1580.0	1444.3	1384.5	1292.2	1265.1
52.5°	12325.2	9816.7	2839.7	2226.1	1797.2	1558.3	1476.8	1357.4	1259.7	1199.9	1194.5
55°	12764.9	10153.3	2720.2	1992.7	1596.3	1433.4	1379.1	1276.0	1189.1	1129.4	1113.1
57.5°	12819.2	10327.1	2579.1	1775.5	1433.4	1335.7	1314.0	1199.9	1075.1	1031.6	1015.3
60°	*12059.1*	*10033.9*	*2405.3*	*1574.6*	*1314.0*	*1259.7*	*1248.8*	*1096.8*	*993.6*	*939.3*	*917.6*
62.5°	11022.1	9300.9	2139.3	1390.0	1221.7	1183.6	1140.2	1020.8	890.5	830.7	814.4
65°	9007.7	7818.6	1818.9	1265.1	1129.4	1085.9	1075.1	912.2	825.3	792.7	787.3
67.5°	6825.0	6282.0	1601.7	1172.8	1031.6	1015.3	977.3	923.0	885.0	847.0	836.2
70°	4826.9	4533.7	1362.8	1053.3	933.9	906.7	1064.2	1004.5	868.7	819.9	814.4
72.5°	2926.5	2845.1	1178.2	944.7	803.6	847.0	982.8	906.7	781.9	722.1	700.4
75°	1846.1	1688.6	988.2	803.6	640.7	689.6	857.9	809.0	673.3	613.5	597.3
77.5°	1004.5	933.9	743.9	657.0	505.0	559.2	749.3	667.8	537.5	586.4	521.2
80°	439.8	488.7	494.1	380.1	336.6	412.6	537.5	521.2	412.6	418.1	347.5
82.5°	211.8	276.9	320.3	260.6	190.0	244.3	358.4	298.6	276.9	260.6	249.8
85°	65.2	103.2	141.2	124.9	86.9	103.2	168.3	162.9	195.5	168.3	157.5
87.5°	21.7	21.7	16.3	16.3	16.3	21.7	27.1	16.3	5.4	5.4	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°	3833.3	3833.3	3833.3	3833.3	3833.3	3833.3	3833.3	3833.3	3833.3	3833.3	3833.3
2.5°	3751.8	3757.3	3757.3	3762.7	3762.7	3779.0	3800.7	3822.4	3806.1	3827.9	3833.3
5°	3491.2	3518.4	3540.1	3621.5	3686.7	3741.0	3800.7	3855.0	3871.3	3882.2	3909.3
7.5°	2877.7	2953.7	3094.9	3279.5	3485.8	3686.7	3822.4	3963.6	3985.3	4012.5	4050.5
10°	2448.7	2481.3	2579.1	2769.1	3138.3	3534.7	3865.9	4088.5	4180.8	4235.1	4273.1
12.5°	2519.3	2497.6	2481.3	2508.5	2747.4	3257.7	3838.7	4267.7	4441.4	4501.1	4550.0
15°	2687.6	2665.9	2606.2	2530.2	2557.3	2964.6	3746.4	4436.0	4712.9	4810.6	4913.8
17.5°	2785.4	2763.7	2714.8	2633.3	2562.8	2720.2	3572.7	4588.0	5141.8	5261.3	5407.9
20°	2839.7	2818.0	2769.1	2687.6	2606.2	2627.9	3350.1	4778.0	5630.5	5820.5	6037.7
22.5°	2850.5	2823.4	2769.1	2687.6	2638.8	2622.5	3138.3	4892.1	6157.1	6450.3	6700.1
25°	2845.1	2796.2	2725.7	2665.9	2638.8	2633.3	2991.7	4957.2	6727.3	7194.2	7476.5
27.5°	2807.1	2747.4	2676.8	2633.3	2622.5	2655.1	2926.5	5033.2	7395.1	7992.3	8443.0
30°	2763.7	2676.8	2589.9	2573.6	2600.8	2703.9	2980.8	5060.4	8095.5	8861.1	9322.6
32.5°	2649.6	2584.5	2497.6	2492.2	2557.3	2741.9	3105.7	5022.4	8714.5	9729.8	10310.8
35°	2486.7	2448.7	2399.9	2416.2	2519.3	2774.5	3192.6	4902.9	9279.2	10538.8	11217.5
37.5°	2199.0	2226.1	2253.3	2291.3	2421.6	2769.1	3230.6	4712.9	9746.1	11184.9	12053.7
40°	1878.6	1970.9	2057.8	2155.5	2329.3	2725.7	3241.5	4479.4	10017.6	11673.6	12797.5
42.5°	1677.7	1764.6	1873.2	2014.4	2204.4	2627.9	3230.6	4218.8	10104.5	12010.2	13269.9
45°	1493.1	1596.3	1732.0	1878.6	2095.8	2486.7	3132.9	3936.4	10147.9	12167.7	13470.8
47.5°	1395.4	1455.1	1580.0	1726.6	1954.6	2313.0	2942.8	3730.1	10082.7	12200.3	13715.1
50°	1281.4	1362.8	1444.3	1585.4	1808.1	2095.8	2714.8	3610.7	10191.3	12520.6	14100.6
52.5°	1194.5	1237.9	1324.8	1455.1	1618.0	1894.9	2497.6	3512.9	10490.0	12846.4	14502.4
55°	1129.4	1178.2	1232.5	1341.1	1466.0	1694.0	2275.0	3366.3	10837.4	13193.9	14904.2
57.5°	1026.2	1058.8	1134.8	1248.8	1330.2	1498.6	2014.4	3192.6	10810.3	12922.4	14209.2
60°	*933.9*	*966.5*	*1047.9*	*1161.9*	*1210.8*	*1324.8*	*1759.2*	*2970.0*	*10289.1*	*12037.4*	*12927.8*
62.5°	830.7	868.7	966.5	1047.9	1091.3	1178.2	1493.1	2562.8	9203.1	10707.1	11429.3
65°	787.3	809.0	874.2	971.9	966.5	1047.9	1259.7	2014.4	7406.0	8182.4	8839.4
67.5°	836.2	868.7	857.9	885.0	868.7	912.2	1129.4	1618.0	5820.5	6162.6	6542.6
70°	825.3	901.3	939.3	885.0	760.1	809.0	977.3	1292.2	4164.5	4131.9	4115.6
72.5°	722.1	798.1	906.7	961.0	743.9	673.3	847.0	1118.5	2671.4	2660.5	2405.3
75°	613.5	667.8	798.1	868.7	640.7	543.0	727.6	950.2	1596.3	1618.0	1444.3
77.5°	564.7	537.5	667.8	765.6	521.2	418.1	586.4	716.7	879.6	890.5	825.3
80°	407.2	390.9	499.5	559.2	396.4	298.6	331.2	445.2	472.4	423.5	439.8
82.5°	260.6	266.0	298.6	358.4	244.3	162.9	228.0	298.6	255.2	206.3	244.3
85°	168.3	190.0	157.5	184.6	76.0	76.0	97.7	130.3	86.9	59.7	65.2
87.5°	0.0	0.0	10.9	21.7	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: P1501363
CATALOG NUMBER: GSS-SB4C-722-U-T2LG

CANDELA DISTRIBUTION (continued):

	285°	293°	295°	305°	315°	325°	335°	345°	355°	360°
0°	3833.3	3833.3	*3833.3*	3833.3	3833.3	3833.3	3833.3	3833.3	3833.3	3833.3
2.5°	3849.6	3844.1	*3844.1*	3855.0	3882.2	3893.0	3909.3	3903.9	3920.2	3909.3
5°	3925.6	3931.0	*3947.3*	3952.7	3969.0	3990.7	3996.2	3990.7	4001.6	4001.6
7.5°	4077.6	4099.3	*4088.5*	4115.6	4093.9	4066.8	4023.3	3990.7	3963.6	3974.5
10°	4332.8	4321.9	*4316.5*	4267.7	4169.9	4028.7	3914.7	3789.8	3768.1	3746.4
12.5°	4615.1	4604.3	*4604.3*	4436.0	4159.1	3865.9	3605.2	3409.8	3344.6	3339.2
15°	5011.5	4940.9	*4875.8*	4522.8	3969.0	3469.5	3165.4	3013.4	2975.4	2975.4
17.5°	5505.6	5321.0	*5212.4*	4457.7	3659.5	3208.9	3029.7	2991.7	2980.8	3008.0
20°	6119.1	5652.2	*5494.7*	4311.1	3545.5	3241.5	3154.6	3160.0	3165.4	3203.5
22.5°	6792.4	5956.3	*5695.6*	4311.1	3659.5	3447.8	3404.3	3464.1	3480.4	3512.9
25°	7541.7	6227.7	*5874.8*	4539.1	3996.2	3838.7	3784.4	3844.1	3887.6	3941.9
27.5°	8383.3	6510.1	*6184.3*	4951.8	4430.5	4332.8	4273.1	4300.2	4360.0	4425.1
30°	9138.0	6982.4	*6656.7*	5581.6	5022.4	4902.9	4799.8	4843.2	4908.3	4951.8
32.5°	9805.8	7558.0	*7281.1*	6244.0	5701.1	5494.7	5380.7	5369.9	5500.2	5467.6
35°	10419.4	8236.7	*7970.6*	6998.7	6390.6	6135.4	5983.4	6178.9	6092.0	6124.6
37.5°	10902.6	8942.5	*8730.8*	7720.9	7107.3	6759.8	6667.5	6906.4	7042.2	7080.2
40°	11299.0	9556.1	*9333.5*	8437.6	7764.3	7509.1	7655.7	8052.1	8035.8	8019.5
42.5°	11603.0	10082.7	*9838.4*	8980.5	8394.1	8443.0	8557.0	8823.1	8888.2	8795.9
45°	11738.8	10413.9	*10218.5*	9409.5	9110.8	9393.2	9442.0	9556.1	9512.6	9452.9
47.5°	11896.2	10707.1	*10500.8*	9800.4	9887.3	10164.2	10066.4	9974.1	9816.7	9724.4
50°	12162.3	11054.6	*10880.9*	10370.5	10685.4	10593.1	10213.0	10006.7	9686.4	9577.8
52.5°	12667.2	11711.6	*11581.3*	11271.8	11060.1	10528.0	10066.4	9697.2	9338.9	9192.3
55°	13117.9	12602.1	*12526.0*	12113.4	10946.0	10185.9	9566.9	8996.8	8383.3	8258.4
57.5°	13378.5	14078.9	*14165.8*	12471.8	10424.8	9409.5	8497.3	7585.1	7004.2	6901.0
60°	*12602.1*	*15675.2*	*15718.6*	*12401.2*	*9485.5*	*8008.6*	*6618.7*	*5972.5*	*5348.1*	*5169.0*
62.5°	11532.4	15344.0	*15306.0*	11977.7	7552.5	5842.2	5027.8	4723.7	4240.5	4093.9
65°	9914.4	12781.2	*12824.7*	10348.8	5022.4	4224.2	4224.2	3838.7	3301.2	3198.0
67.5°	8079.2	9854.7	*9757.0*	6711.0	3084.0	3382.6	3545.5	2991.7	2237.0	2112.1
70°	5250.4	7525.4	*7389.7*	3871.3	1938.4	2818.0	2790.8	2247.8	1601.7	1514.9
72.5°	2258.7	4349.1	*4626.0*	1976.4	1460.6	2269.6	2226.1	1574.6	1069.6	1031.6
75°	1362.8	2188.1	*2383.6*	1259.7	1064.2	1710.3	1542.0	999.0	727.6	700.4
77.5°	863.3	1199.9	*1189.1*	944.7	798.1	1156.5	1037.1	689.6	494.1	472.4
80°	499.5	591.8	*613.5*	591.8	537.5	825.3	662.4	499.5	385.5	358.4
82.5°	320.3	369.2	*374.6*	287.8	298.6	532.1	358.4	293.2	222.6	200.9
85°	141.2	157.5	*152.0*	97.7	97.7	217.2	124.9	119.5	86.9	86.9
87.5°	5.4	10.9	*5.4*	5.4	5.4	21.7	10.9	16.3	16.3	16.3
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

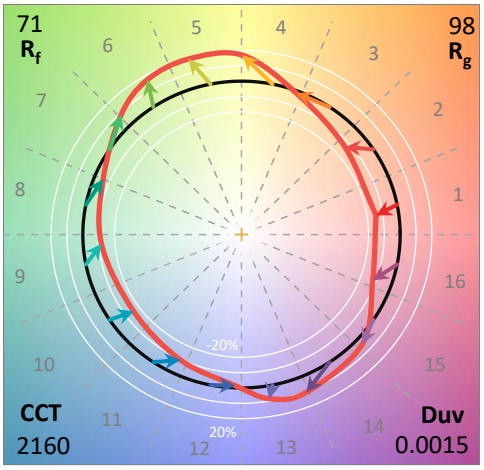
Test Information

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

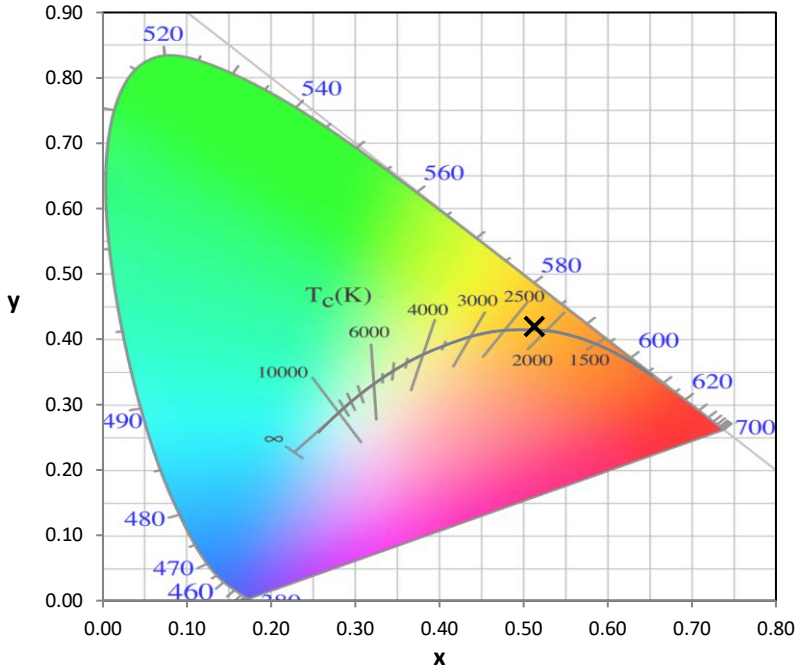
Stabilization Time:	21M
Operation Time:	1H 21M
Sphere Temperature (°C):	25.2

REPORT NUMBER: SP1-2407-184-2

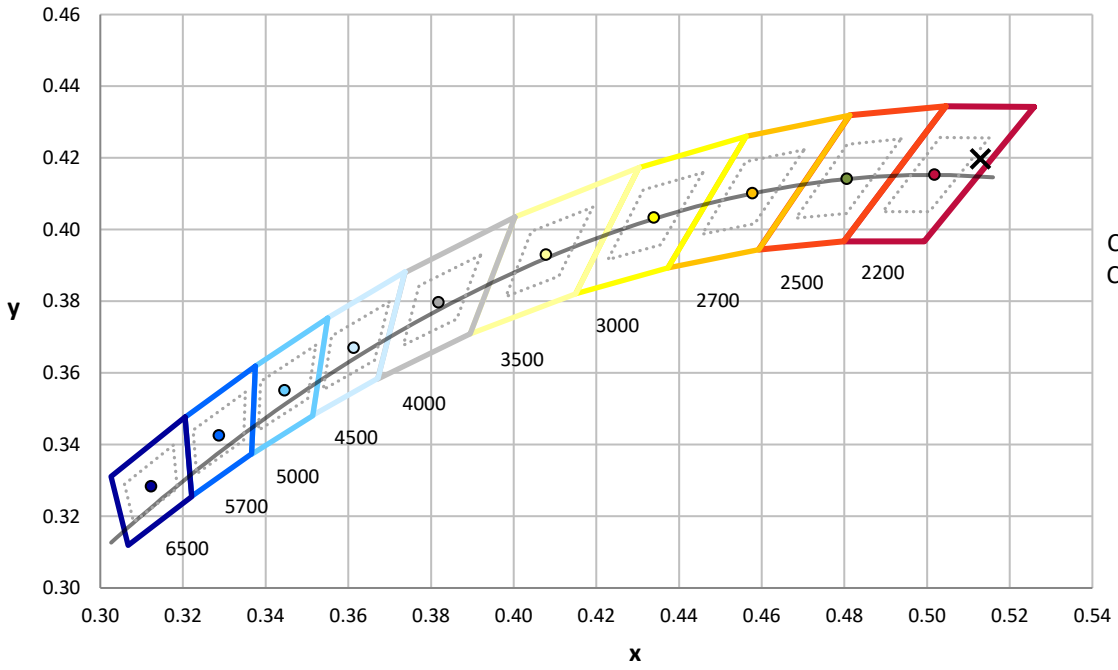
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

REPORT NUMBER: SP1-2407-184-2

CIE 1931 Chromaticity Diagram



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

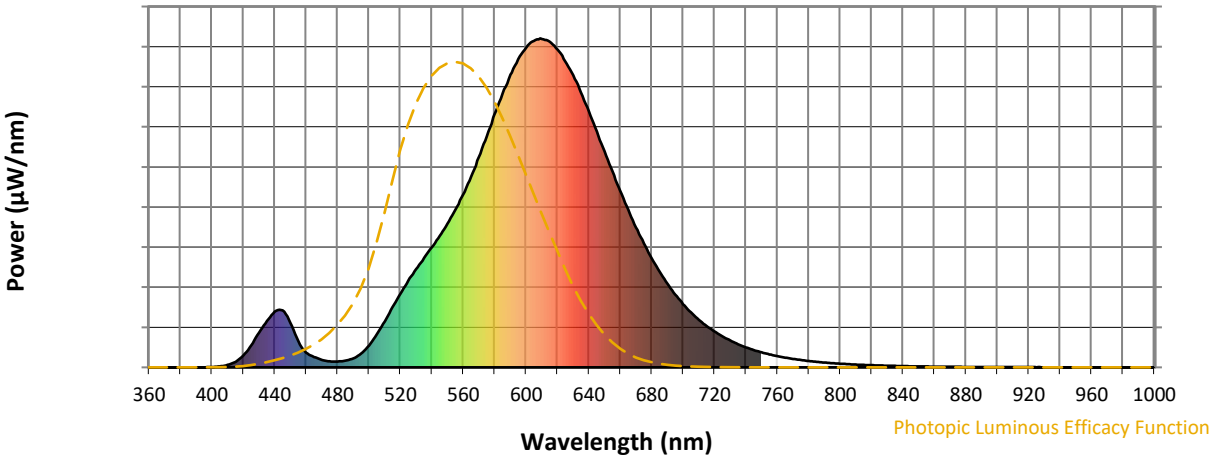


CCT = 2160K
CIE x = 0.5130
CIE y = 0.4197
Duv = 0.0015

Point lies inside the ANSI 2200K 7-step quadrangle

REPORT NUMBER: SP1-2407-184-2

Photopic Flux vs. Wavelength

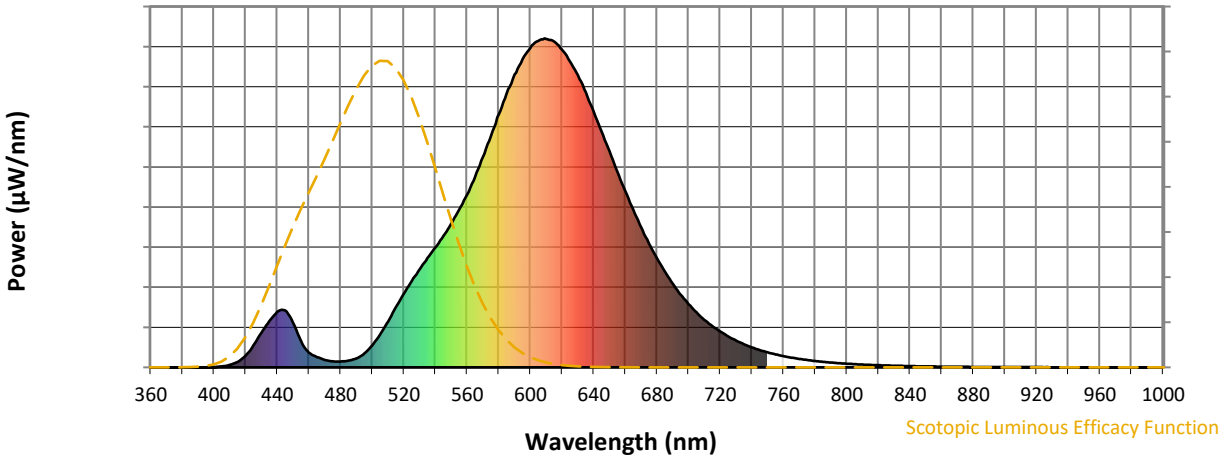


Photopic Lumens: NR

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

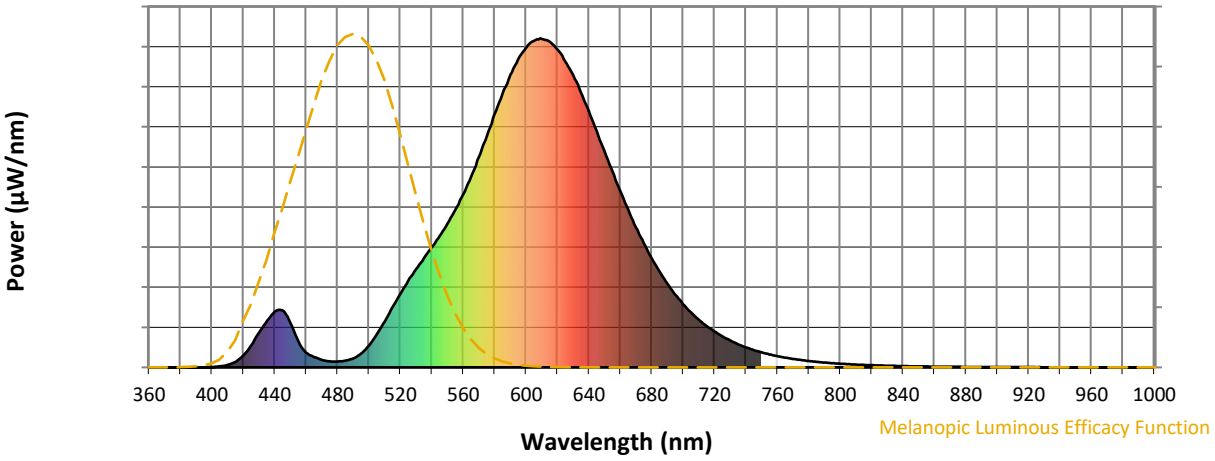


Scotopic Lumens: NR **S/P: 0.8**

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			

REPORT NUMBER: SP1-2407-184-2

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			

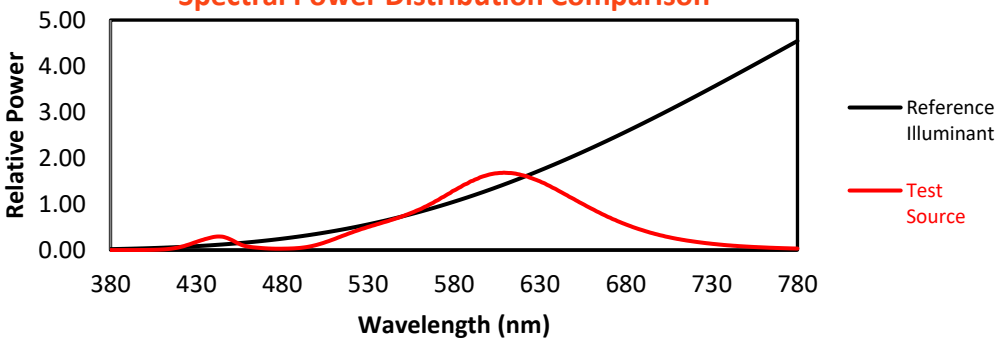
REPORT NUMBER: SP1-2407-184-2

TM-30-18

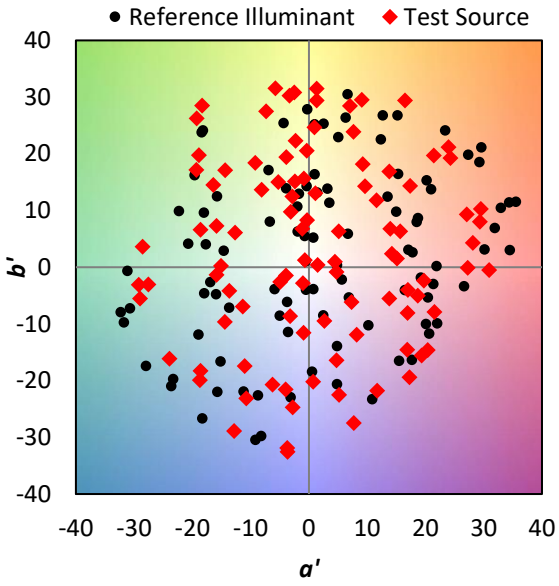
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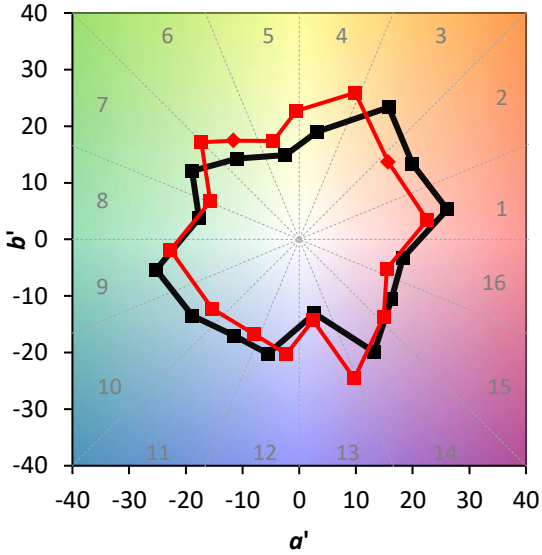
R_f = 70.6
R_g = 97.6
CIE R_a = 71.9
R_9 = -17.8

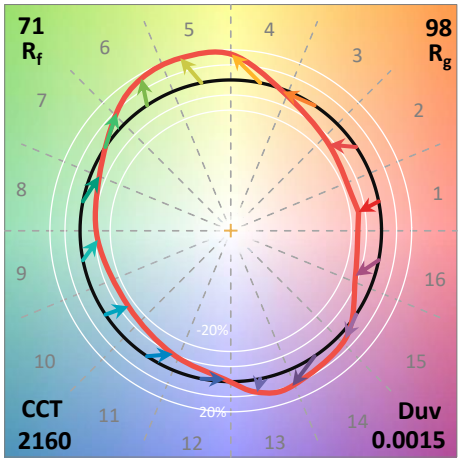
Spectral Power Distribution Comparison

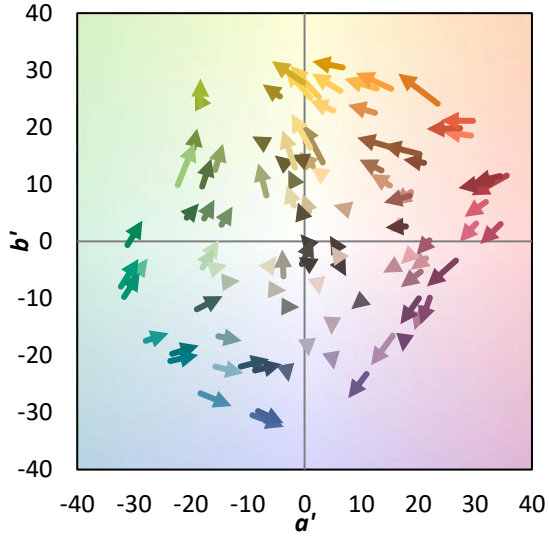


Color Vector Graphics







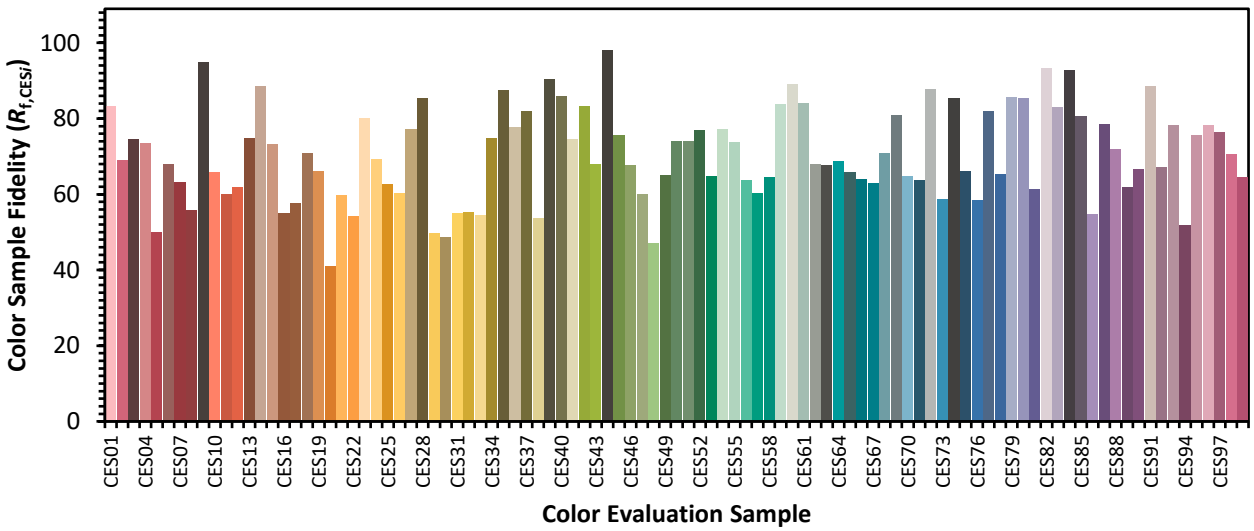


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Individual Sample Fidelity Index ($R_{f,i}$)

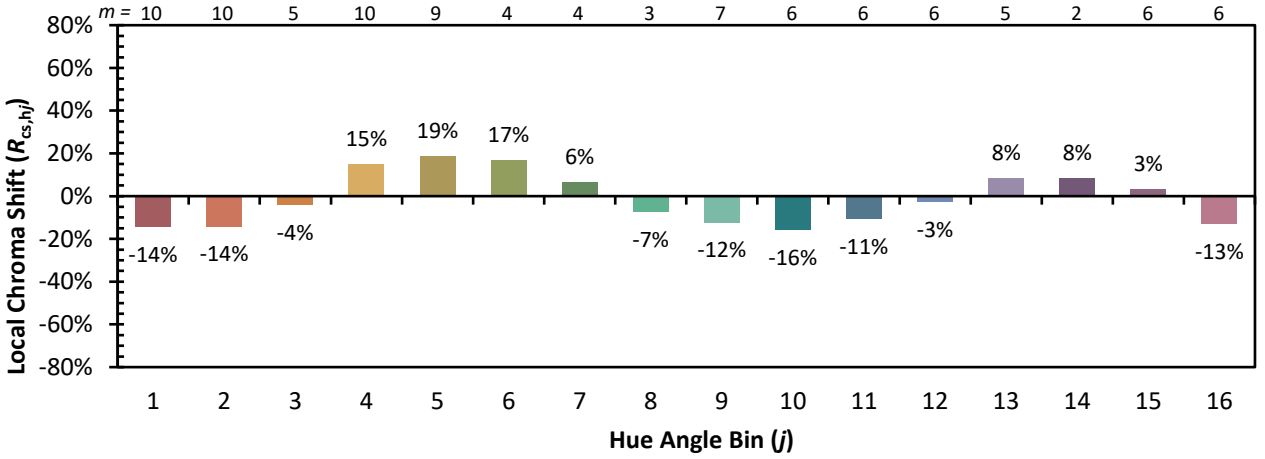
CES01 = 87	CES26 = 60	CES51 = 74	CES76 = 58
CES02 = 65	CES27 = 77	CES52 = 77	CES77 = 82
CES03 = 32	CES28 = 85	CES53 = 65	CES78 = 65
CES04 = 72	CES29 = 50	CES54 = 77	CES79 = 86
CES05 = 52	CES30 = 49	CES55 = 74	CES80 = 85
CES06 = 53	CES31 = 55	CES56 = 64	CES81 = 61
CES07 = 44	CES32 = 55	CES57 = 60	CES82 = 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	

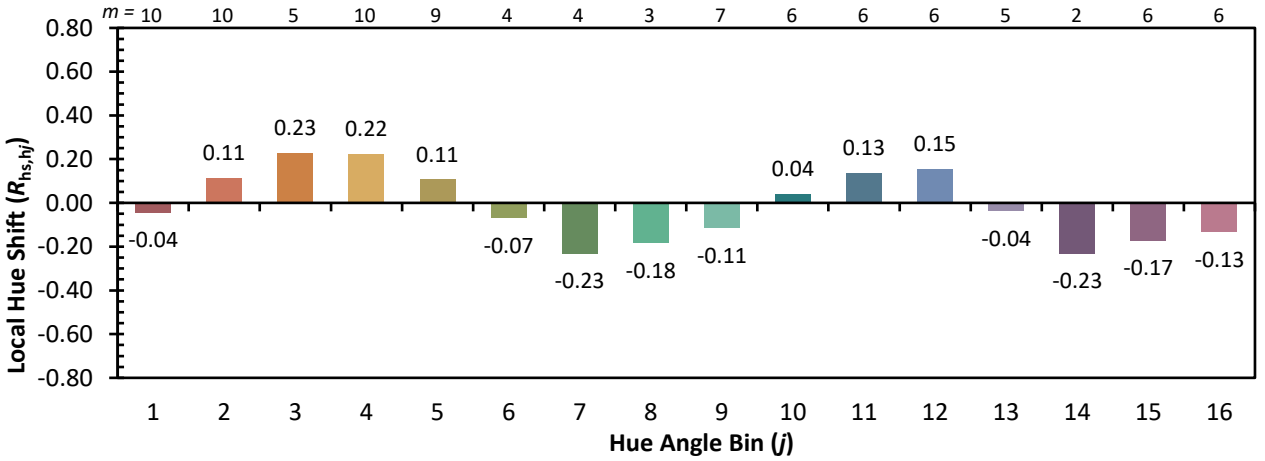


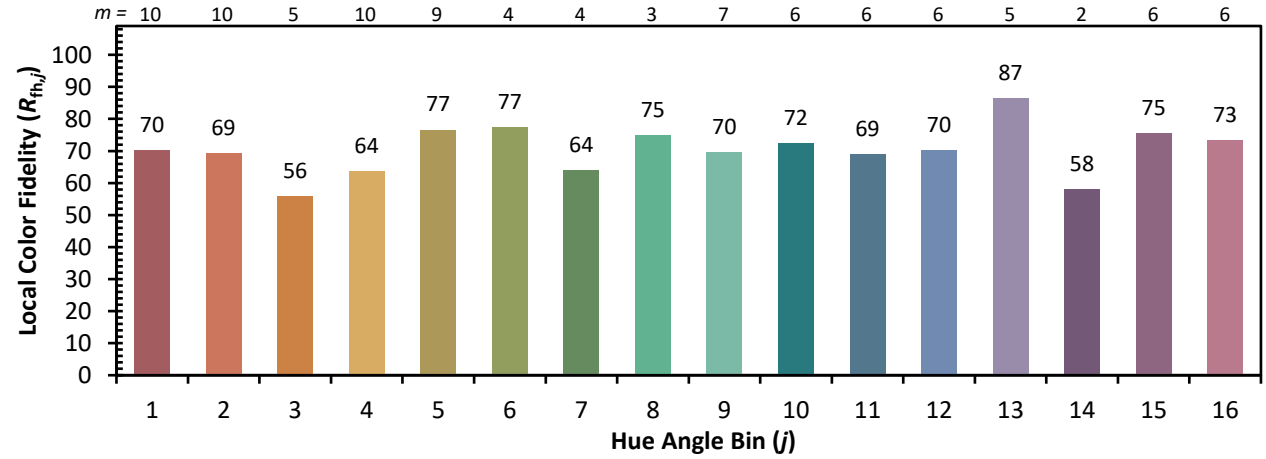
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Color Rendition by Hue-Angle Bin



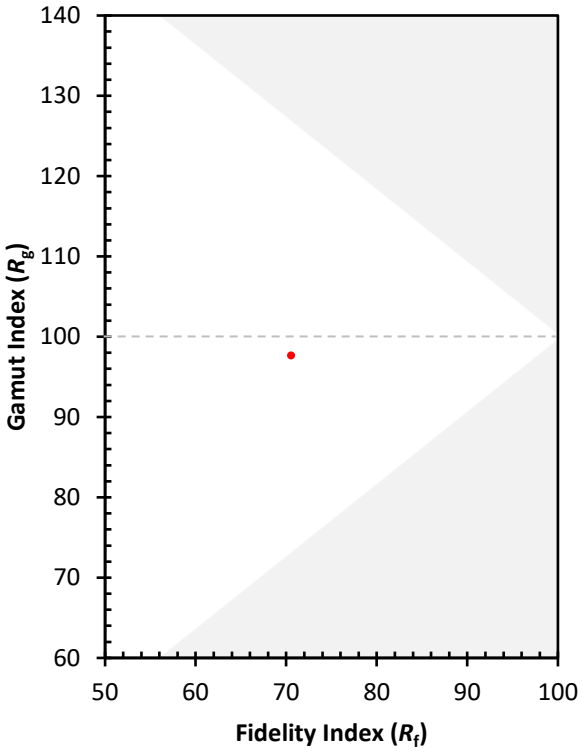


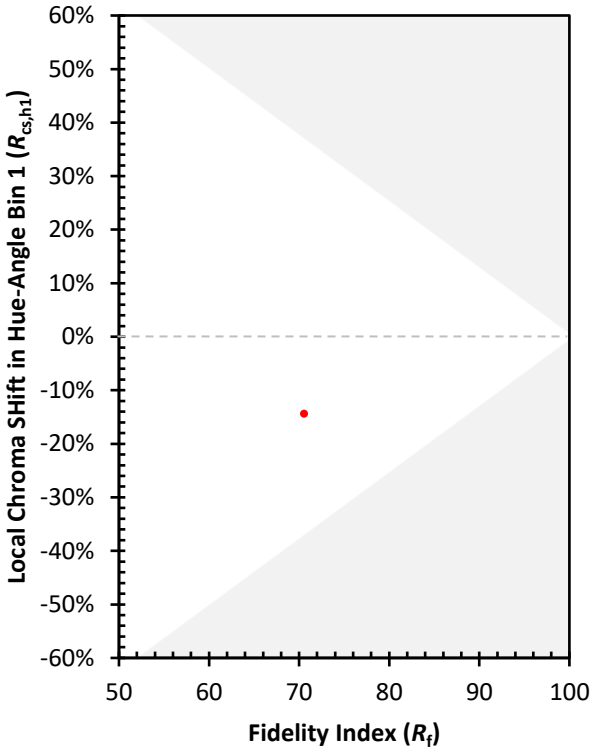


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Measure Comparisons





(END OF REPORT)