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: P1501370

Luminaire Tested: GSS-SB6B-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:	P1501370
Test Lab:	INNOVATION CENTER(G1)
Issue Date:	7/20/2026
Manufacturer:	COOPER LIGHTING SOLUTIONS
Product Line:	McGRAW-EDISON
Catalog Number:	GSS-SB6B-722-U-T2LG
Description:	GALLEON II SLIM SITE HIGH DENSITY LED ARRAYS 6SQUARE 219W 70CRI 2200K FIXTURE w/ TYPE II LOW GLARE DISTRIBUTION FIXTURE
Light Source:	(156) 2200K CCT, 70 CRI LEDS
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	27098.5 lumens
Efficiency:	N/A
Efficacy:	123.7 lumens/watt
Luminous Opening:	Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification:	Type II - Short
BUG Rating:	B3 - U0 - G3

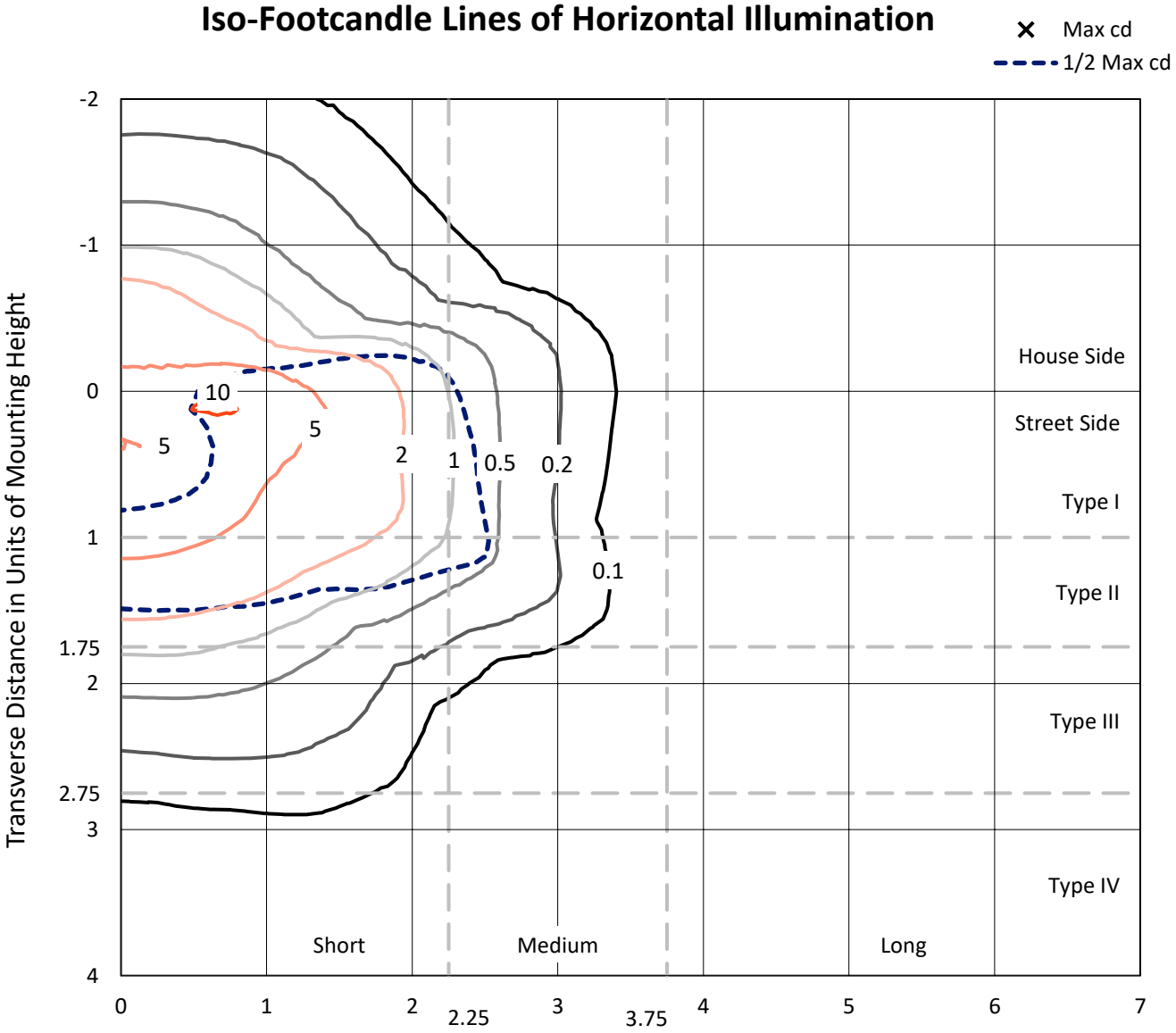
Input Watts (W):	219
Input Voltage (V):	120
Input Current (Ain):	NR
Voltage Rise (V):	NR
Power Factor:	0.98
Total Harmonic Distortion (THDi):	8.7%
Frequency (hertz):	60
Stabilization Time:	NR
Operation Time:	NR
Ambient Temperature (°C):	NR
Test Distance:	28.75 FT

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Iso-Footcandle Lines of Horizontal Illumination



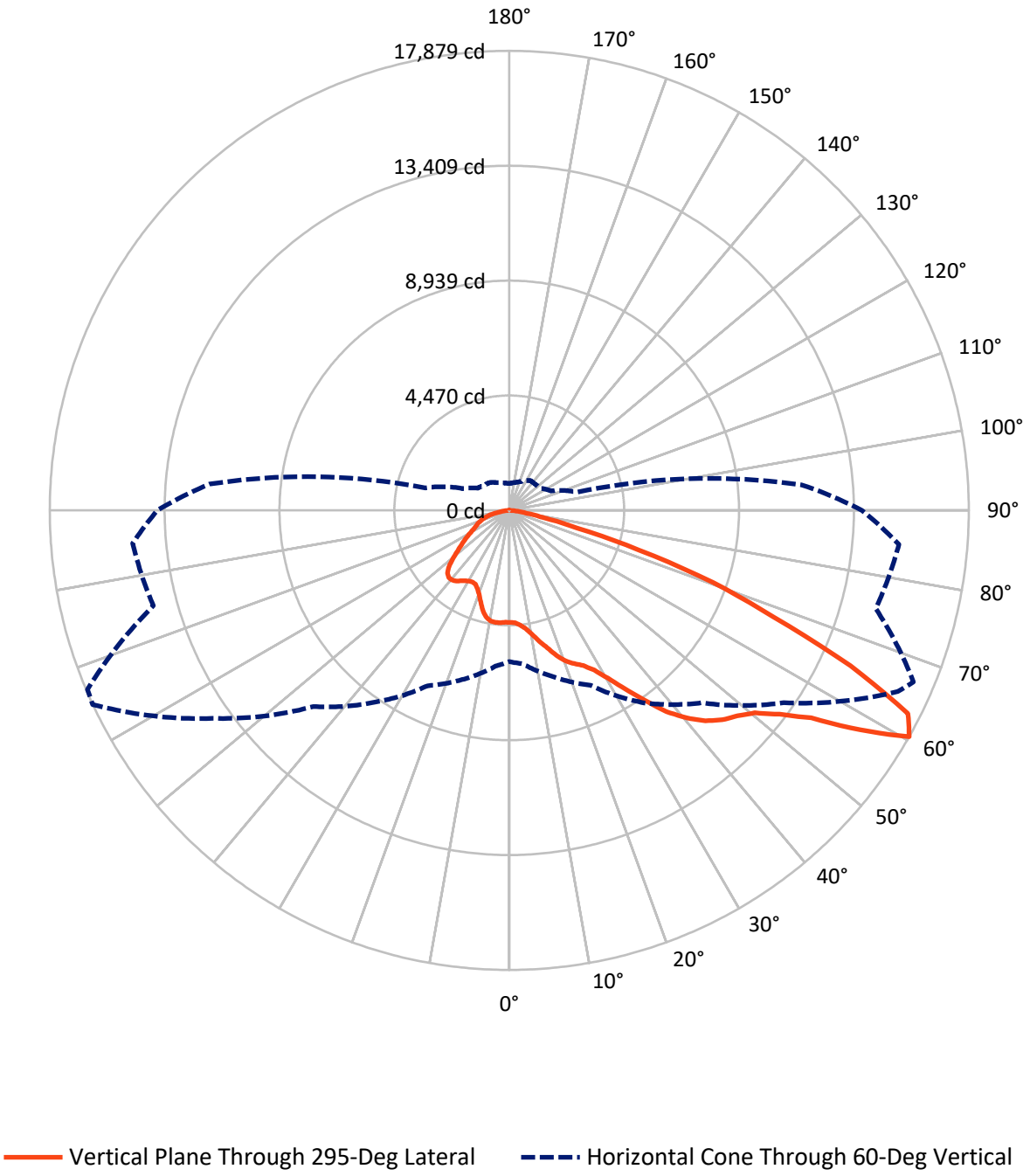
Based on 25 foot mounting height. Maximum calculated value = 10.5 fc
Type II - Short - N/A

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Luminous Intensity Polar Plot



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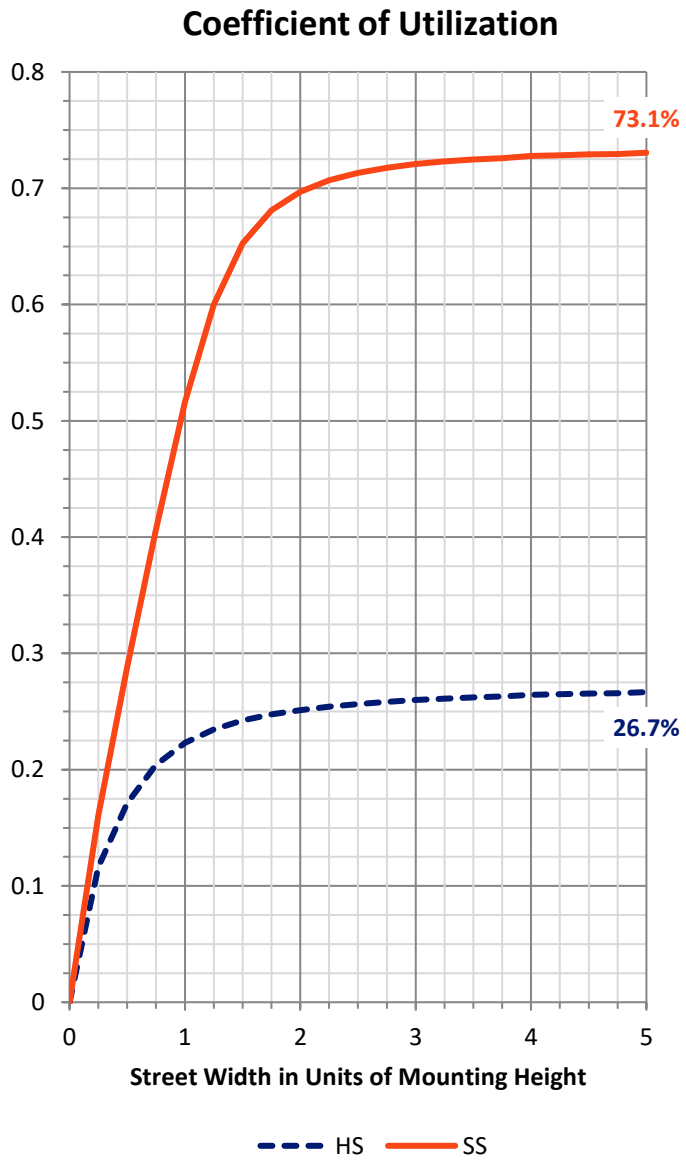
REPORT NUMBER: P1501370
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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	7287.1	0.0	7287.1
	% Fixture	26.9	0.0	26.9
Street Side	Lumens	19811.4	0.0	19811.4
	% Fixture	73.1	0.0	73.1
Total	Lumens	27098.5	0.0	27098.5
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	410.0	1.5
10°-20°	1178.5	4.3
20°-30°	2232.2	8.2
30°-40°	3935.2	14.5
40°-50°	5819.8	21.5
50°-60°	6834.0	25.2
60°-70°	4951.6	18.3
70°-80°	1527.0	5.6
80°-90°	210.2	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°	27098.5	100.0
0°-180°	27098.5	100.0



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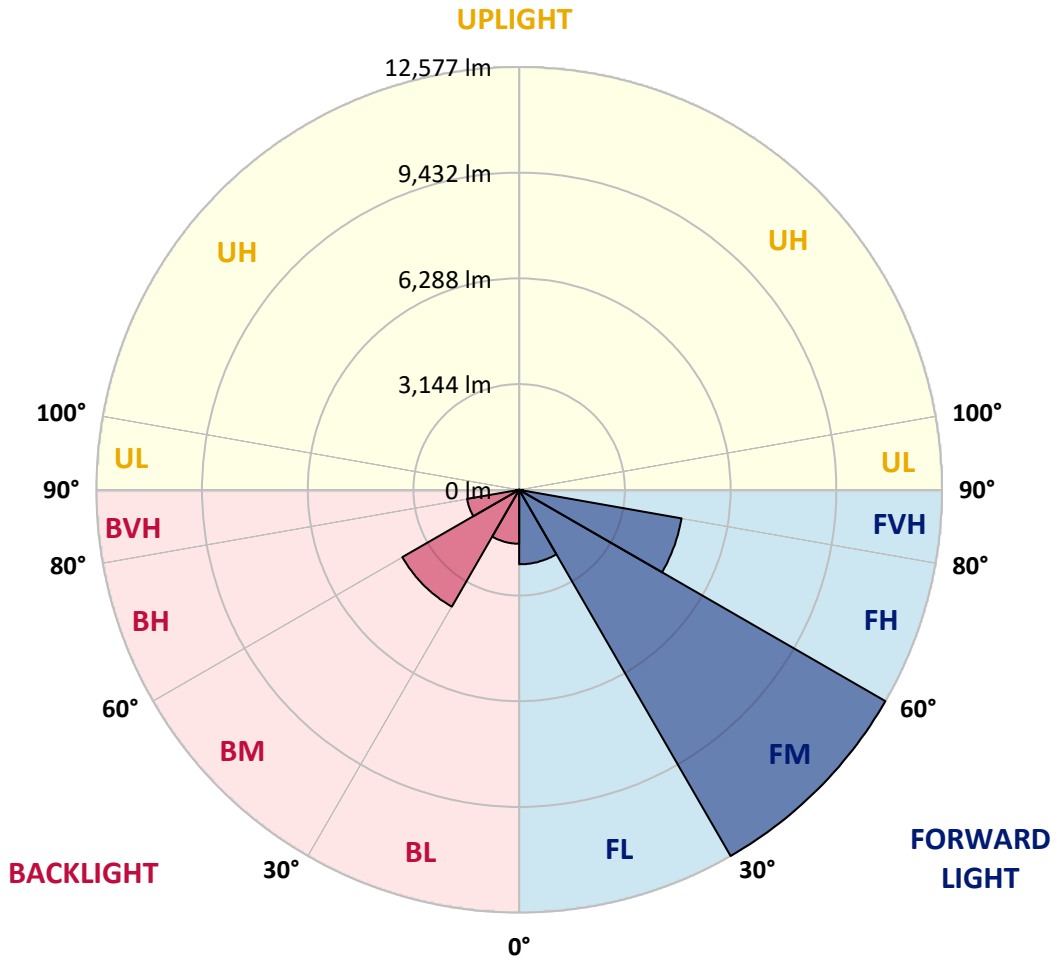
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	2215.7	8.2			
FM	(30°-60°)	12576.6	46.4			
FH	(60°-80°)	4905.7	18.1			G2/5000
FVH	(80°-90°)	113.4	0.4			G2/225
BL	(0°-30°)	1604.9	5.9	B3/2500		
BM	(30°-60°)	4012.5	14.8	B3/5000		
BH	(60°-80°)	1572.9	5.8	B3/2500		G3/2500
BVH	(80°-90°)	96.8	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°	4360.0	4360.0	4360.0	4360.0	4360.0	4360.0	4360.0	4360.0	4360.0	4360.0	4360.0
2.5°	4446.5	4458.8	4440.3	4452.7	4452.7	4434.1	4428.0	4403.3	4415.6	4409.4	4403.3
5°	4551.5	4557.6	4545.3	4563.8	4563.8	4570.0	4563.8	4532.9	4532.9	4532.9	4520.6
7.5°	4520.6	4520.6	4526.8	4588.5	4650.3	4730.6	4730.6	4718.2	4730.6	4724.4	4668.8
10°	4261.2	4285.9	4341.5	4495.9	4644.1	4817.0	4934.4	4971.4	4971.4	4977.6	4885.0
12.5°	3798.0	3816.6	3946.3	4180.9	4489.7	4804.7	5088.8	5274.0	5292.6	5323.4	5199.9
15°	3384.3	3396.6	3489.3	3730.1	4082.1	4637.9	5175.2	5558.1	5619.9	5749.5	5564.3
17.5°	3421.3	3415.1	3439.8	3532.5	3785.7	4366.2	5156.7	5891.6	6002.8	6231.3	6070.7
20°	3643.6	3643.6	3662.2	3680.7	3773.3	4168.6	5020.8	6163.3	6379.5	6824.1	6638.8
22.5°	3995.7	3995.7	3989.5	4020.4	4020.4	4255.0	5027.0	6367.1	6688.3	7484.9	7305.8
25°	4483.5	4458.8	4458.8	4471.2	4415.6	4582.3	5181.4	6577.1	6997.0	8269.2	8114.8
27.5°	5033.2	5051.7	5039.3	4996.1	4922.0	5051.7	5551.9	6904.4	7342.9	9096.8	9035.0
30°	5632.2	5638.4	5650.7	5626.0	5564.3	5656.9	6132.4	7398.5	7799.9	9961.4	10097.2
32.5°	6218.9	6305.4	6274.5	6212.7	6237.4	6404.2	6848.8	8065.4	8479.2	10764.2	11245.9
35°	6966.2	6997.0	7120.5	6892.0	6898.2	7182.3	7762.8	8942.4	9343.8	11597.9	12394.6
37.5°	8053.1	8108.7	8053.1	7694.9	7639.3	8034.5	8652.1	9807.0	10097.2	12227.8	13463.0
40°	9121.5	9189.4	9282.0	8862.1	8510.1	8837.4	9492.0	10467.8	10770.4	12573.7	14173.2
42.5°	10004.6	10115.7	10016.9	9893.4	9572.3	9634.0	10078.7	10980.3	11283.0	13012.1	14889.5
45°	10751.8	10770.4	10813.6	10727.1	10566.6	10511.0	10578.9	11431.2	11764.7	13209.8	15241.6
47.5°	11060.6	11140.9	11178.0	11326.2	11492.9	11381.8	11005.0	11641.1	11943.7	13197.4	15352.7
50°	10893.9	10974.2	11171.8	11523.8	11925.2	12122.8	11505.3	11931.4	12271.1	13419.7	15581.2
52.5°	10455.4	10541.9	10863.0	11264.4	11937.6	12388.4	12209.3	12536.6	12863.9	13815.0	15964.1
55°	9393.2	9522.9	9973.7	10640.7	11567.0	12246.4	12950.4	13425.9	13784.1	14290.5	16359.4
57.5°	7849.3	7985.1	8491.5	9492.0	10881.5	11659.7	13166.5	15093.3	15253.9	14858.7	16396.4
60°	*5879.2*	*5990.4*	*6706.8*	*7509.6*	*9140.0*	*10585.1*	*13043.0*	*16674.3*	*17081.9*	*14759.9*	*15216.9*
62.5°	4656.5	4792.3	5428.4	5799.0	6966.2	8744.8	12610.7	17112.8	17464.8	13944.7	13574.1
65°	3637.5	3730.1	4323.0	4854.1	5138.2	5971.9	10807.4	14969.8	15284.8	12616.9	11202.7
67.5°	2402.3	2544.4	3248.4	3977.1	4125.3	3798.0	7435.5	11517.6	11665.8	10029.3	8423.6
70°	1723.0	1790.9	2315.9	3094.0	3316.3	2544.4	4051.2	8720.0	8763.3	6731.5	5675.4
72.5°	1173.4	1185.7	1574.8	2371.5	2643.2	1846.5	2229.4	5743.4	5595.2	3322.5	3248.4
75°	796.7	809.0	1006.6	1581.0	1871.2	1284.5	1451.3	3131.1	3007.6	1834.2	1970.0
77.5°	537.3	549.6	691.7	1062.2	1247.5	889.3	1062.2	1655.1	1624.2	1216.6	1056.0
80°	407.6	426.1	512.6	679.3	870.8	518.8	605.2	784.3	796.7	648.4	537.3
82.5°	228.5	253.2	308.8	345.8	562.0	290.3	290.3	469.4	450.8	401.4	290.3
85°	98.8	105.0	123.5	129.7	228.5	123.5	105.0	203.8	210.0	197.6	92.6
87.5°	18.5	18.5	18.5	18.5	18.5	18.5	18.5	24.7	24.7	24.7	24.7
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°	4360.0	4360.0	4360.0	4360.0	4360.0	4360.0	4360.0	4360.0	4360.0	4360.0	4360.0
2.5°	4372.4	4409.4	4372.4	4353.8	4353.8	4323.0	4310.6	4310.6	4267.4	4285.9	4273.6
5°	4471.2	4483.5	4440.3	4384.7	4310.6	4248.9	4162.4	4051.2	3983.3	3977.1	3983.3
7.5°	4625.6	4631.8	4514.4	4390.9	4205.6	3983.3	3717.8	3501.6	3310.2	3279.3	3316.3
10°	4841.7	4829.4	4656.5	4366.2	3977.1	3507.8	3100.2	2902.6	2791.4	2785.2	2779.1
12.5°	5132.0	5051.7	4786.1	4261.2	3581.9	3038.4	2828.5	2816.1	2847.0	2871.7	2877.9
15°	5465.5	5360.5	4891.1	4057.4	3180.5	2865.5	2877.9	2982.8	3019.9	3044.6	3044.6
17.5°	5879.2	5743.4	5008.5	3767.2	2976.7	2902.6	2989.0	3087.8	3149.6	3174.3	3168.1
20°	6428.9	6144.8	5101.1	3489.3	2921.1	2964.3	3038.4	3137.2	3199.0	3229.9	3229.9
22.5°	6978.5	6626.5	5119.6	3297.8	2921.1	2970.5	3038.4	3137.2	3205.2	3236.1	3229.9
25°	7725.8	7244.1	5125.8	3161.9	2927.3	2939.6	3001.4	3087.8	3186.6	3217.5	3229.9
27.5°	8522.4	7923.4	5156.7	3131.1	2902.6	2896.4	2939.6	3019.9	3118.7	3199.0	3205.2
30°	9510.5	8689.2	5169.0	3161.9	2908.7	2828.5	2859.3	2939.6	3044.6	3124.9	3149.6
32.5°	10480.1	9399.4	5144.3	3229.9	2921.1	2785.2	2791.4	2840.8	2952.0	3007.6	3050.8
35°	11505.3	10152.8	5101.1	3322.5	2927.3	2766.7	2711.1	2735.8	2809.9	2816.1	2834.6
37.5°	12308.1	10714.8	4971.4	3446.0	2939.6	2698.8	2587.6	2569.1	2538.2	2476.4	2488.8
40°	12968.9	11091.5	4755.3	3507.8	2908.7	2618.5	2433.2	2346.8	2229.4	2136.8	2155.3
42.5°	13444.4	11344.7	4495.9	3520.1	2859.3	2482.6	2254.1	2105.9	1976.2	1877.4	1883.6
45°	13654.4	11320.0	4218.0	3427.5	2742.0	2315.9	2087.4	1945.3	1803.3	1698.3	1686.0
47.5°	13660.6	11079.2	3835.1	3205.2	2544.4	2124.4	1933.0	1778.6	1661.3	1587.1	1581.0
50°	13710.0	10943.3	3476.9	2884.0	2285.0	1920.6	1797.1	1642.7	1574.8	1469.8	1438.9
52.5°	14018.8	11165.6	3229.9	2532.0	2044.1	1772.4	1679.8	1543.9	1432.8	1364.8	1358.6
55°	14519.0	11548.5	3094.0	2266.5	1815.6	1630.4	1568.6	1451.3	1352.5	1284.5	1266.0
57.5°	14580.8	11746.1	2933.4	2019.4	1630.4	1519.2	1494.5	1364.8	1222.8	1173.4	1154.9
60°	*13716.2*	*11412.6*	*2735.8*	*1790.9*	*1494.5*	*1432.8*	*1420.4*	*1247.5*	*1130.1*	*1068.4*	*1043.7*
62.5°	12536.6	10578.9	2433.2	1581.0	1389.5	1346.3	1296.9	1161.0	1012.8	944.9	926.4
65°	10245.4	8893.0	2068.8	1438.9	1284.5	1235.1	1222.8	1037.5	938.7	901.6	895.5
67.5°	7762.8	7145.3	1821.8	1333.9	1173.4	1154.9	1111.6	1049.9	1006.6	963.4	951.1
70°	5490.2	5156.7	1550.1	1198.1	1062.2	1031.3	1210.4	1142.5	988.1	932.5	926.4
72.5°	3328.7	3236.1	1340.1	1074.6	914.0	963.4	1117.8	1031.3	889.3	821.4	796.7
75°	2099.7	1920.6	1124.0	914.0	728.7	784.3	975.8	920.2	765.8	697.9	679.3
77.5°	1142.5	1062.2	846.1	747.3	574.3	636.1	852.2	759.6	611.4	667.0	592.9
80°	500.2	555.8	562.0	432.3	382.9	469.4	611.4	592.9	469.4	475.5	395.2
82.5°	240.9	315.0	364.4	296.4	216.1	277.9	407.6	339.7	315.0	296.4	284.1
85°	74.1	117.3	160.6	142.0	98.8	117.3	191.4	185.3	222.3	191.4	179.1
87.5°	24.7	24.7	18.5	18.5	18.5	24.7	30.9	18.5	6.2	6.2	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°	4360.0	4360.0	4360.0	4360.0	4360.0	4360.0	4360.0	4360.0	4360.0	4360.0	4360.0
2.5°	4267.4	4273.6	4273.6	4279.7	4279.7	4298.3	4323.0	4347.7	4329.1	4353.8	4360.0
5°	3971.0	4001.8	4026.5	4119.2	4193.3	4255.0	4323.0	4384.7	4403.3	4415.6	4446.5
7.5°	3273.1	3359.6	3520.1	3730.1	3964.8	4193.3	4347.7	4508.2	4532.9	4563.8	4607.1
10°	2785.2	2822.3	2933.4	3149.6	3569.5	4020.4	4397.1	4650.3	4755.3	4817.0	4860.3
12.5°	2865.5	2840.8	2822.3	2853.2	3124.9	3705.4	4366.2	4854.1	5051.7	5119.6	5175.2
15°	3057.0	3032.3	2964.3	2877.9	2908.7	3371.9	4261.2	5045.5	5360.5	5471.6	5589.0
17.5°	3168.1	3143.4	3087.8	2995.2	2914.9	3094.0	4063.6	5218.4	5848.4	5984.2	6151.0
20°	3229.9	3205.2	3149.6	3057.0	2964.3	2989.0	3810.4	5434.6	6404.2	6620.3	6867.3
22.5°	3242.2	3211.3	3149.6	3057.0	3001.4	2982.8	3569.5	5564.3	7003.2	7336.7	7620.8
25°	3236.1	3180.5	3100.2	3032.3	3001.4	2995.2	3402.8	5638.4	7651.7	8182.8	8503.9
27.5°	3192.8	3124.9	3044.6	2995.2	2982.8	3019.9	3328.7	5724.8	8411.3	9090.6	9603.2
30°	3143.4	3044.6	2945.8	2927.3	2958.1	3075.5	3390.4	5755.7	9207.9	10078.7	10603.6
32.5°	3013.7	2939.6	2840.8	2834.6	2908.7	3118.7	3532.5	5712.5	9912.0	11066.8	11727.6
35°	2828.5	2785.2	2729.6	2748.2	2865.5	3155.8	3631.3	5576.6	10554.2	11987.0	12758.9
37.5°	2501.1	2532.0	2562.9	2606.1	2754.3	3149.6	3674.5	5360.5	11085.3	12721.9	13710.0
40°	2136.8	2241.8	2340.6	2451.7	2649.4	3100.2	3686.9	5094.9	11394.1	13277.7	14556.1
42.5°	1908.3	2007.1	2130.6	2291.2	2507.3	2989.0	3674.5	4798.5	11492.9	13660.6	15093.3
45°	1698.3	1815.6	1970.0	2136.8	2383.8	2828.5	3563.4	4477.4	11542.3	13839.7	15321.8
47.5°	1587.1	1655.1	1797.1	1963.9	2223.2	2630.8	3347.2	4242.7	11468.2	13876.7	15599.7
50°	1457.5	1550.1	1642.7	1803.3	2056.5	2383.8	3087.8	4106.8	11591.7	14241.1	16038.2
52.5°	1358.6	1408.1	1506.9	1655.1	1840.4	2155.3	2840.8	3995.7	11931.4	14611.6	16495.2
55°	1284.5	1340.1	1401.9	1525.4	1667.4	1926.8	2587.6	3828.9	12326.6	15006.9	16952.2
57.5°	1167.2	1204.3	1290.7	1420.4	1513.0	1704.5	2291.2	3631.3	12295.8	14698.1	16161.7
60°	*1062.2*	*1099.3*	*1191.9*	*1321.6*	*1377.2*	*1506.9*	*2000.9*	*3378.1*	*11702.9*	*13691.5*	*14704.3*
62.5°	944.9	988.1	1099.3	1191.9	1241.3	1340.1	1698.3	2914.9	10467.8	12178.4	12999.8
65°	895.5	920.2	994.3	1105.4	1099.3	1191.9	1432.8	2291.2	8423.6	9306.7	10054.0
67.5°	951.1	988.1	975.8	1006.6	988.1	1037.5	1284.5	1840.4	6620.3	7009.4	7441.7
70°	938.7	1025.2	1068.4	1006.6	864.6	920.2	1111.6	1469.8	4736.7	4699.7	4681.2
72.5°	821.4	907.8	1031.3	1093.1	846.1	765.8	963.4	1272.2	3038.4	3026.1	2735.8
75°	697.9	759.6	907.8	988.1	728.7	617.6	827.5	1080.7	1815.6	1840.4	1642.7
77.5°	642.3	611.4	759.6	870.8	592.9	475.5	667.0	815.2	1000.5	1012.8	938.7
80°	463.2	444.6	568.2	636.1	450.8	339.7	376.7	506.4	537.3	481.7	500.2
82.5°	296.4	302.6	339.7	407.6	277.9	185.3	259.4	339.7	290.3	234.7	277.9
85°	191.4	216.1	179.1	210.0	86.5	86.5	111.2	148.2	98.8	67.9	74.1
87.5°	0.0	0.0	12.4	24.7	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: P1501370
CATALOG NUMBER: GSS-SB6B-722-U-T2LG

CANDELA DISTRIBUTION (continued):

	285°	293°	295°	305°	315°	325°	335°	345°	355°	360°
0°	4360.0	4360.0	*4360.0*	4360.0	4360.0	4360.0	4360.0	4360.0	4360.0	4360.0
2.5°	4378.6	4372.4	*4372.4*	4384.7	4415.6	4428.0	4446.5	4440.3	4458.8	4446.5
5°	4465.0	4471.2	*4489.7*	4495.9	4514.4	4539.1	4545.3	4539.1	4551.5	4551.5
7.5°	4637.9	4662.6	*4650.3*	4681.2	4656.5	4625.6	4576.2	4539.1	4508.2	4520.6
10°	4928.2	4915.8	*4909.7*	4854.1	4742.9	4582.3	4452.7	4310.6	4285.9	4261.2
12.5°	5249.3	5237.0	*5237.0*	5045.5	4730.6	4397.1	4100.6	3878.3	3804.2	3798.0
15°	5700.1	5619.9	*5545.8*	5144.3	4514.4	3946.3	3600.4	3427.5	3384.3	3384.3
17.5°	6262.1	6052.2	*5928.6*	5070.2	4162.4	3649.8	3446.0	3402.8	3390.4	3421.3
20°	6960.0	6428.9	*6249.8*	4903.5	4032.7	3686.9	3588.1	3594.2	3600.4	3643.6
22.5°	7725.8	6774.7	*6478.3*	4903.5	4162.4	3921.6	3872.1	3940.1	3958.6	3995.7
25°	8578.0	7083.5	*6682.1*	5162.9	4545.3	4366.2	4304.4	4372.4	4421.8	4483.5
27.5°	9535.2	7404.6	*7034.1*	5632.2	5039.3	4928.2	4860.3	4891.1	4959.1	5033.2
30°	10393.7	7941.9	*7571.4*	6348.6	5712.5	5576.6	5459.3	5508.7	5582.8	5632.2
32.5°	11153.3	8596.5	*8281.6*	7102.0	6484.5	6249.8	6120.1	6107.7	6256.0	6218.9
35°	11851.1	9368.5	*9065.9*	7960.4	7268.8	6978.5	6805.6	7027.9	6929.1	6966.2
37.5°	12400.7	10171.3	*9930.5*	8781.8	8084.0	7688.7	7583.7	7855.5	8009.8	8053.1
40°	12851.6	10869.2	*10616.0*	9597.0	8831.2	8541.0	8707.7	9158.5	9140.0	9121.5
42.5°	13197.4	11468.2	*11190.3*	10214.6	9547.6	9603.2	9732.9	10035.5	10109.6	10004.6
45°	13351.8	11844.9	*11622.6*	10702.4	10362.8	10683.9	10739.5	10869.2	10819.8	10751.8
47.5°	13530.9	12178.4	*11943.7*	11147.1	11245.9	11560.9	11449.7	11344.7	11165.6	11060.6
50°	13833.5	12573.7	*12376.0*	11795.5	12153.7	12048.7	11616.4	11381.8	11017.4	10893.9
52.5°	14407.8	13320.9	*13172.7*	12820.7	12579.8	11974.6	11449.7	11029.7	10622.2	10455.4
55°	14920.4	14333.7	*14247.3*	13777.9	12450.2	11585.6	10881.5	10233.1	9535.2	9393.2
57.5°	15216.9	16013.5	*16112.3*	14185.5	11857.3	10702.4	9664.9	8627.4	7966.6	7849.3
60°	*14333.7*	*17829.2*	*17878.6*	*14105.2*	*10788.9*	*9109.1*	*7528.1*	*6793.2*	*6083.0*	*5879.2*
62.5°	13117.1	17452.4	*17409.2*	13623.5	8590.4	6645.0	5718.7	5372.8	4823.2	4656.5
65°	11276.8	14537.5	*14586.9*	11770.8	5712.5	4804.7	4804.7	4366.2	3754.8	3637.5
67.5°	9189.4	11208.8	*11097.7*	7633.1	3507.8	3847.4	4032.7	3402.8	2544.4	2402.3
70°	5971.9	8559.5	*8405.1*	4403.3	2204.7	3205.2	3174.3	2556.7	1821.8	1723.0
72.5°	2569.1	4946.7	*5261.7*	2247.9	1661.3	2581.4	2532.0	1790.9	1216.6	1173.4
75°	1550.1	2488.8	*2711.1*	1432.8	1210.4	1945.3	1753.9	1136.3	827.5	796.7
77.5°	981.9	1364.8	*1352.5*	1074.6	907.8	1315.4	1179.6	784.3	562.0	537.3
80°	568.2	673.1	*697.9*	673.1	611.4	938.7	753.4	568.2	438.5	407.6
82.5°	364.4	419.9	*426.1*	327.3	339.7	605.2	407.6	333.5	253.2	228.5
85°	160.6	179.1	*172.9*	111.2	111.2	247.0	142.0	135.9	98.8	98.8
87.5°	6.2	12.4	*6.2*	6.2	6.2	24.7	12.4	18.5	18.5	18.5
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

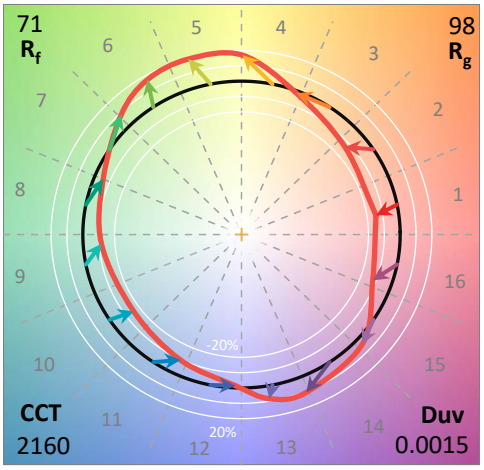
Test Information

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

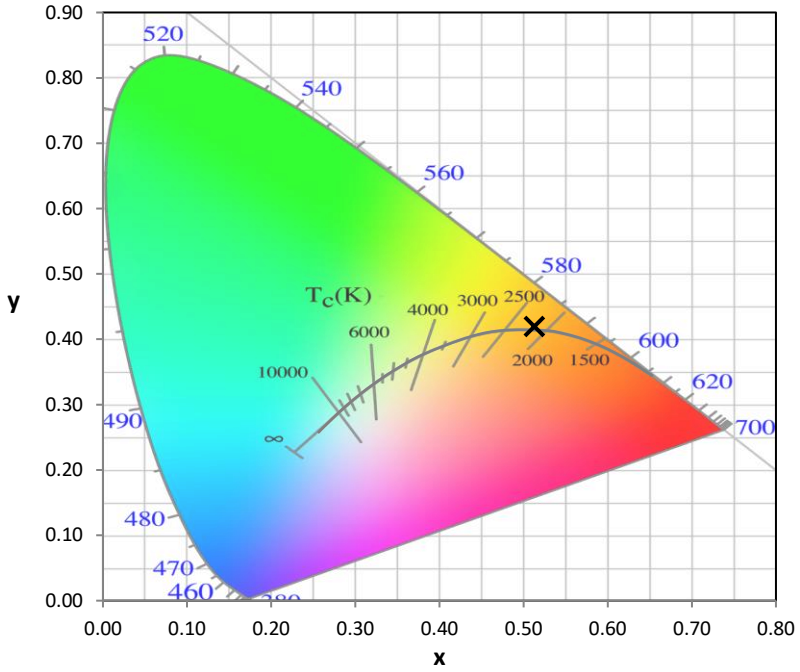
Stabilization Time:	21M
Operation Time:	1H 21M
Sphere Temperature (°C):	25.2

REPORT NUMBER: SP1-2407-184-2

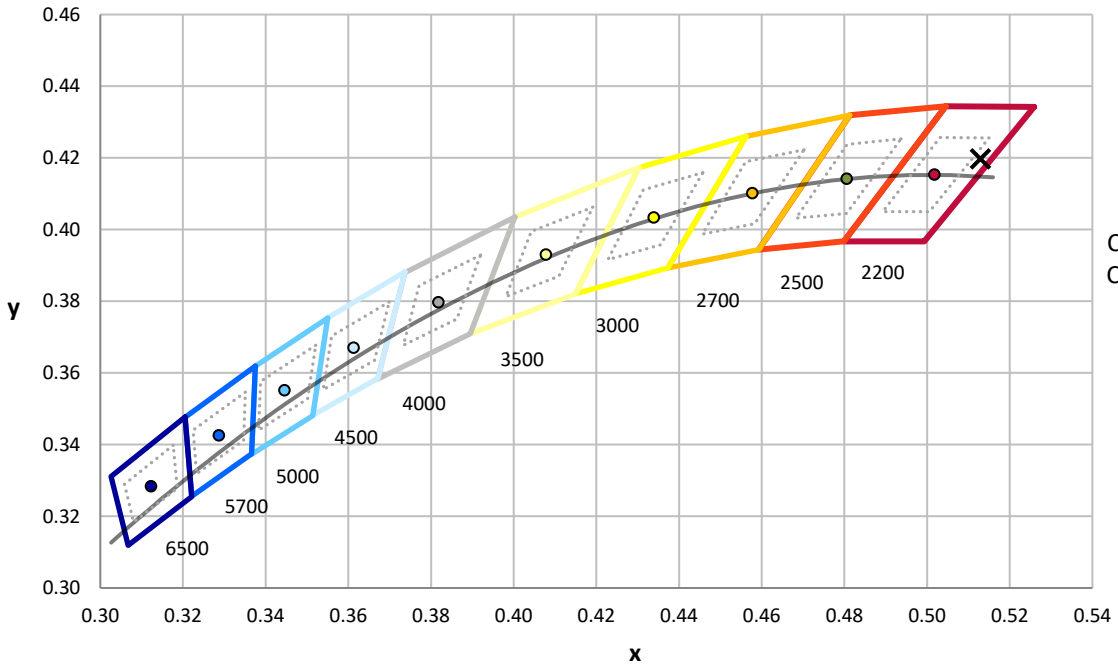
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

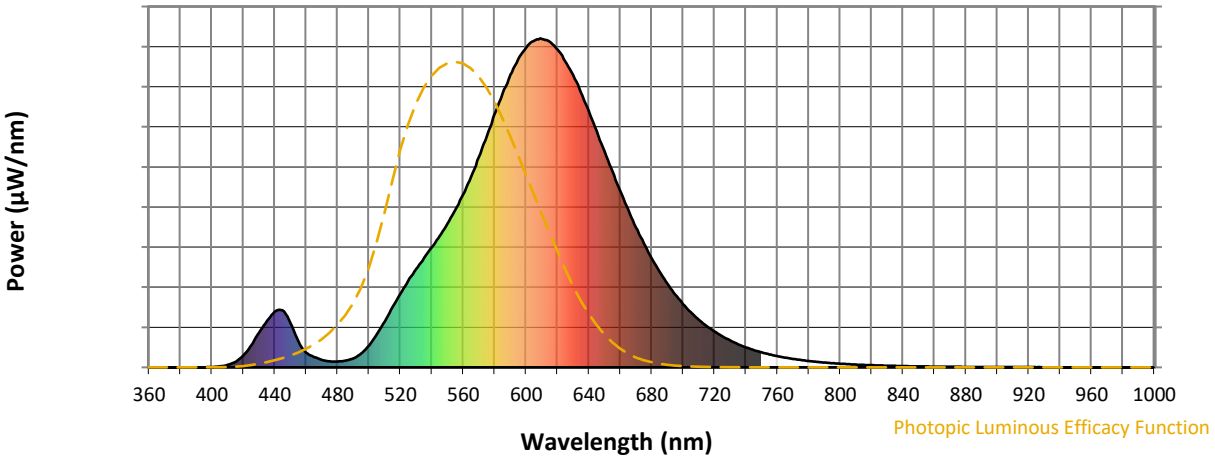


CCT = 2160K
CIE x = 0.5130
CIE y = 0.4197
Duv = 0.0015

Point lies inside the ANSI 2200K 7-step quadrangle

REPORT NUMBER: SP1-2407-184-2

Photopic Flux vs. Wavelength

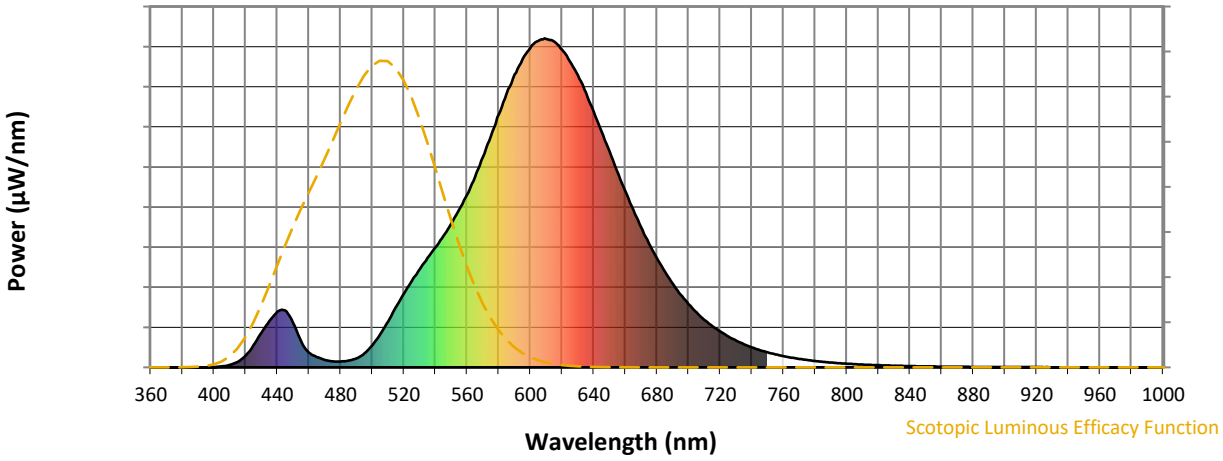


Photopic Lumens: NR

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

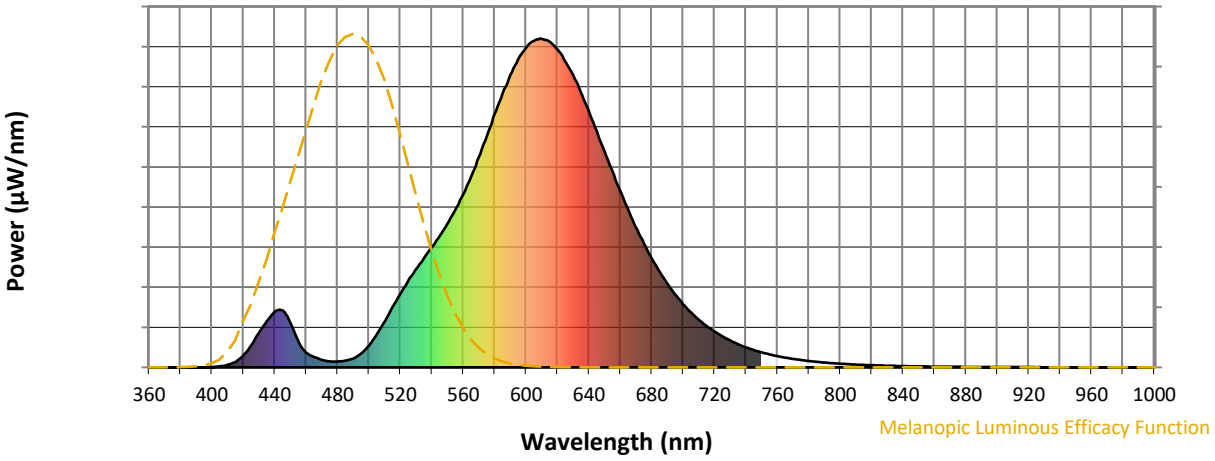


Scotopic Lumens: NR **S/P: 0.8**

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			

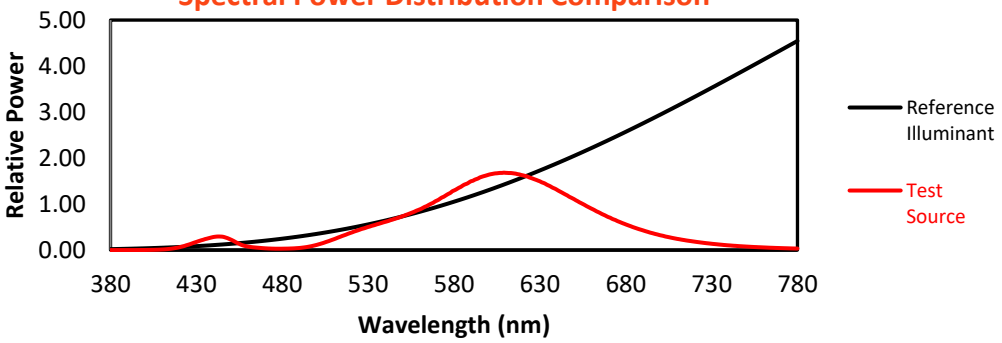
REPORT NUMBER: SP1-2407-184-2

TM-30-18

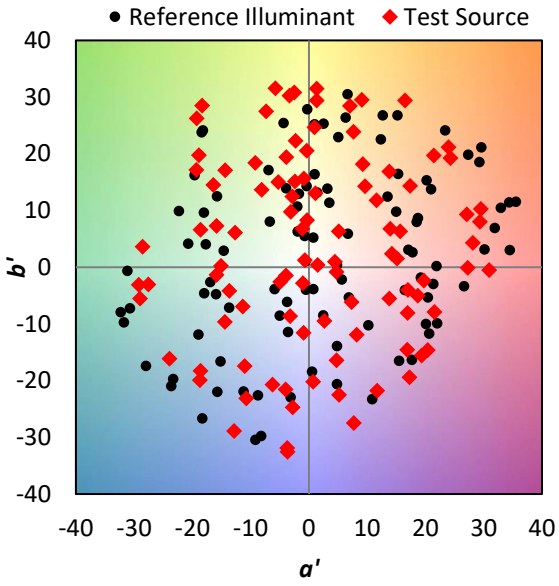
Summary

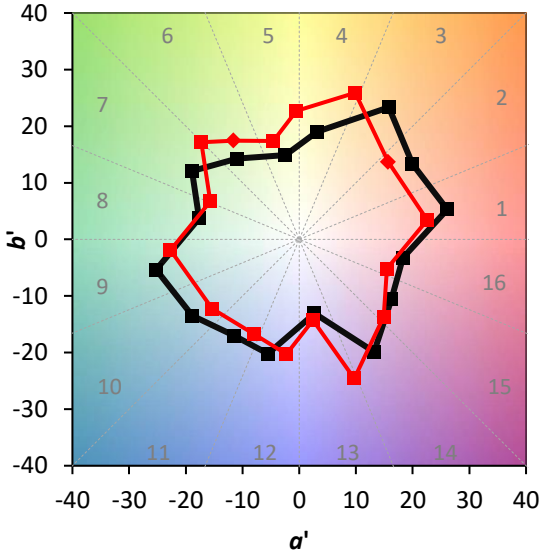
R_f = 70.6
R_g = 97.6
CIE R_a = 71.9
R_9 = -17.8

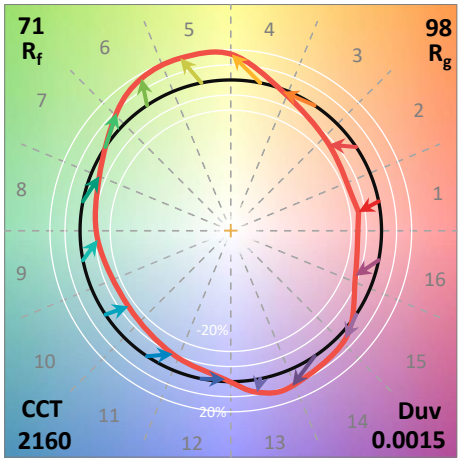
Spectral Power Distribution Comparison

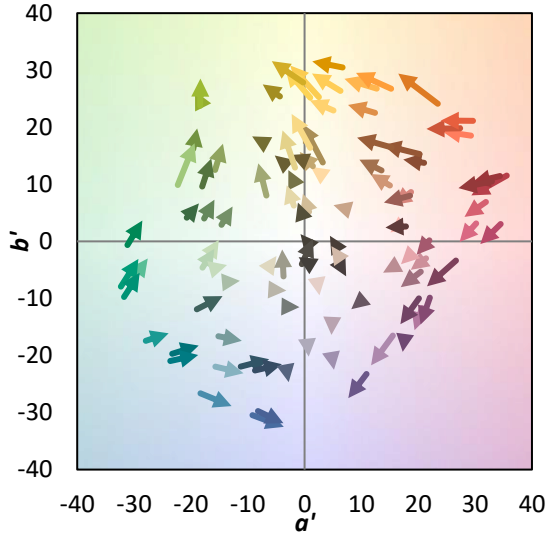


Color Vector Graphics







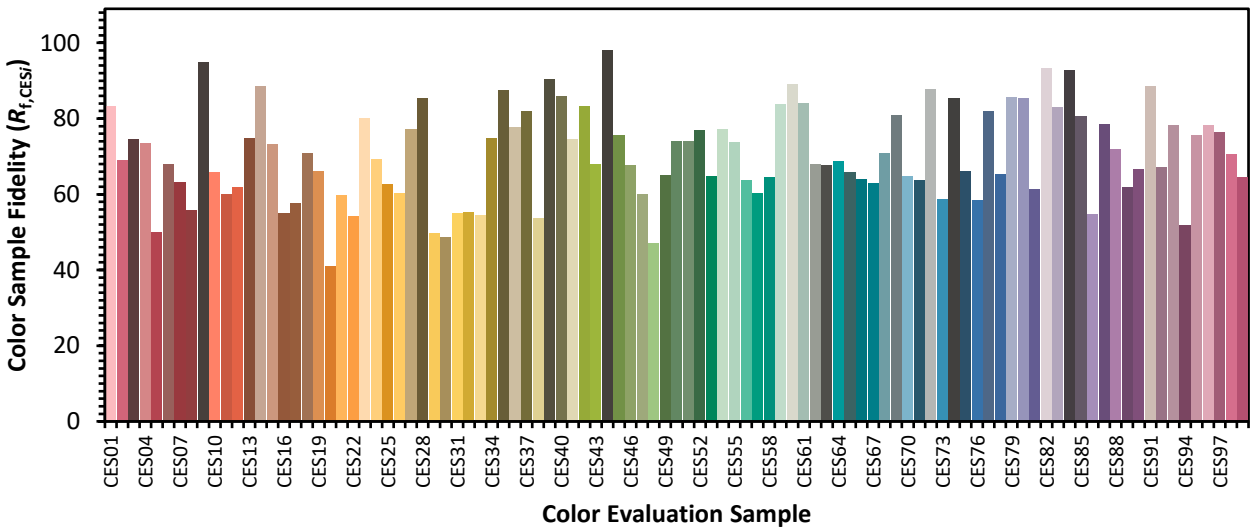


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Individual Sample Fidelity Index ($R_{f,i}$)

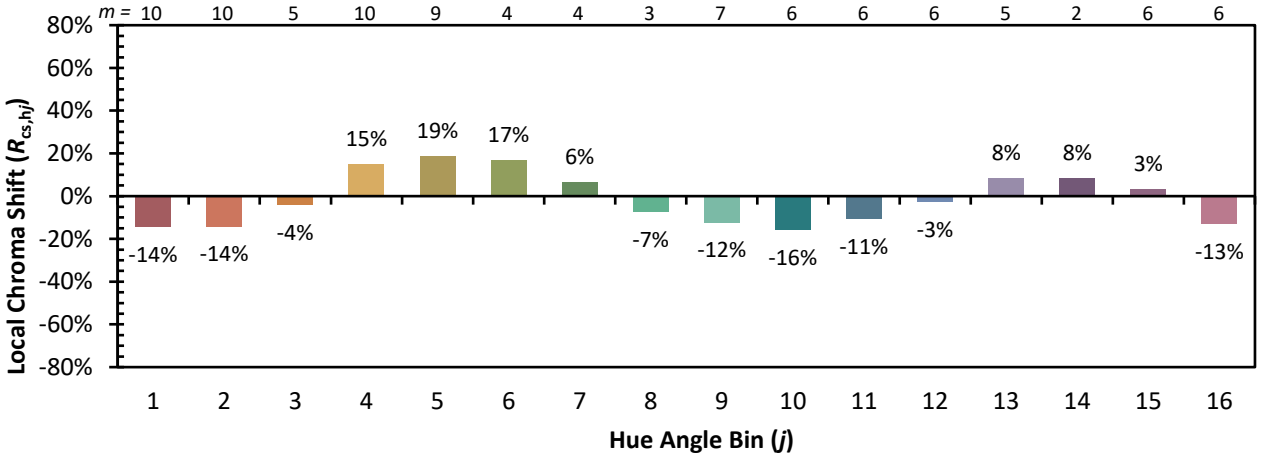
CES01 = 87	CES26 = 60	CES51 = 74	CES76 = 58
CES02 = 65	CES27 = 77	CES52 = 77	CES77 = 82
CES03 = 32	CES28 = 85	CES53 = 65	CES78 = 65
CES04 = 72	CES29 = 50	CES54 = 77	CES79 = 86
CES05 = 52	CES30 = 49	CES55 = 74	CES80 = 85
CES06 = 53	CES31 = 55	CES56 = 64	CES81 = 61
CES07 = 44	CES32 = 55	CES57 = 60	CES82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

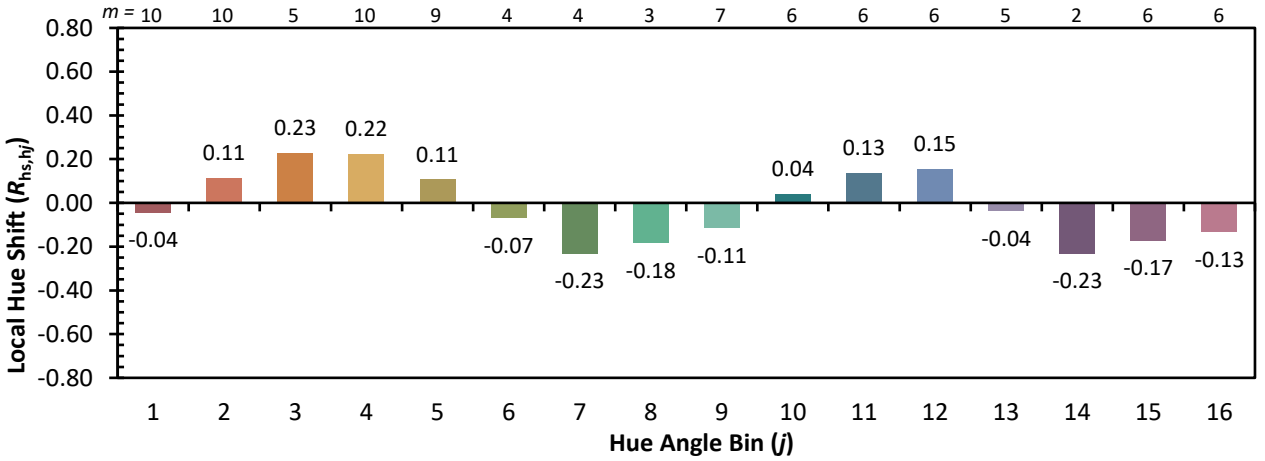


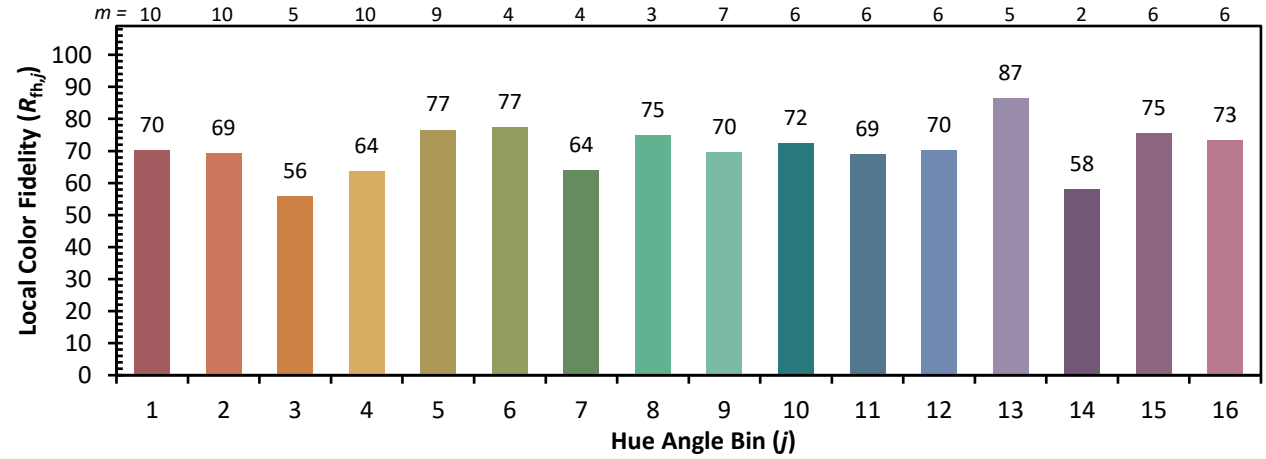
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Color Rendition by Hue-Angle Bin



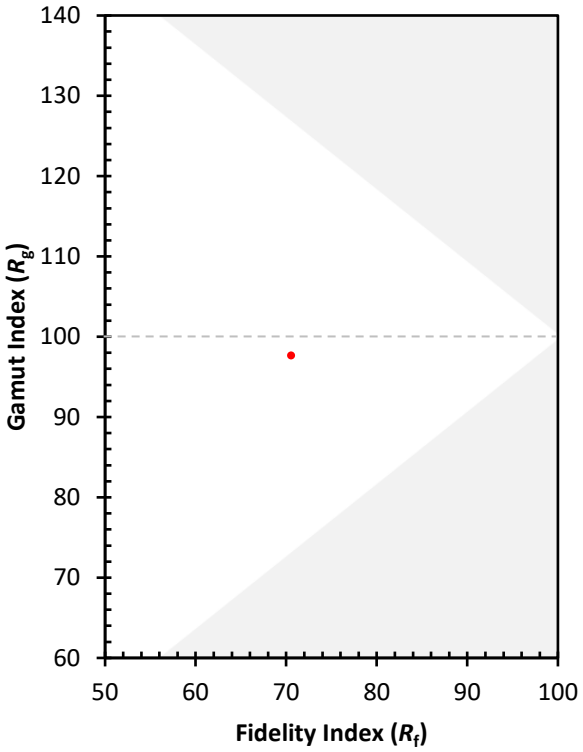


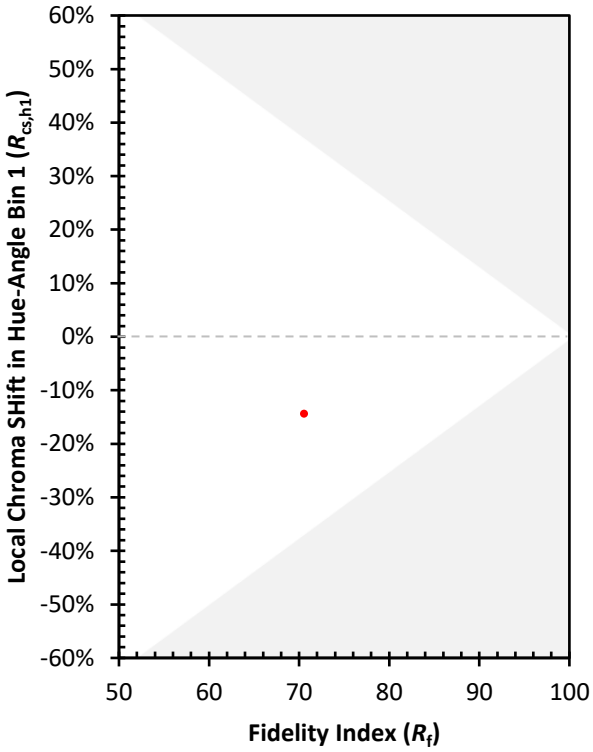


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Measure Comparisons





(END OF REPORT)