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: P1501360

Luminaire Tested: GSS-SB3D-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:	P1501360
Test Lab:	INNOVATION CENTER(G1)
Issue Date:	7/20/2026
Manufacturer:	COOPER LIGHTING SOLUTIONS
Product Line:	McGRAW-EDISON
Catalog Number:	GSS-SB3D-722-U-T2LG
Description:	GALLEON II SLIM SITE HIGH DENSITY LED ARRAYS 3SQUARE 219W 70CRI 2200K FIXTURE w/ TYPE II LOW GLARE DISTRIBUTION FIXTURE
Light Source:	(78) 2200K CCT, 70 CRI LEDS
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	23554.7 lumens
Efficiency:	N/A
Efficacy:	107.6 lumens/watt
Luminous Opening:	Rectangular (W 1.5' x L: 0.5' x H: 0')
IES Classification:	Type II - Short
BUG Rating:	B3 - U0 - G3

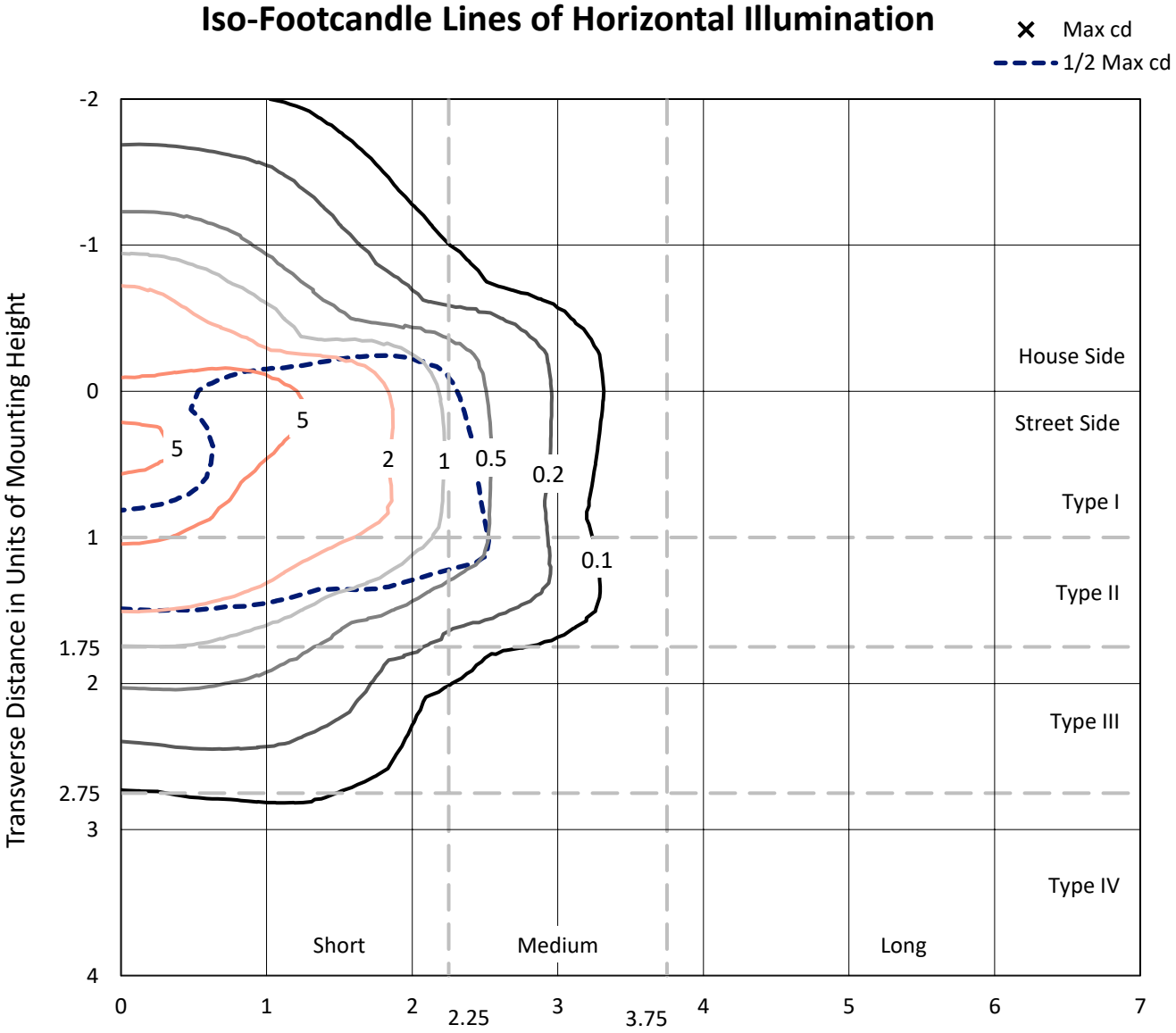
Input Watts (W):	219
Input Voltage (V):	120
Input Current (Ain):	NR
Voltage Rise (V):	NR
Power Factor:	0.98
Total Harmonic Distortion (THDi):	2.5%
Frequency (hertz):	60
Stabilization Time:	NR
Operation Time:	NR
Ambient Temperature (°C):	NR
Test Distance:	28.75 FT

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Iso-Footcandle Lines of Horizontal Illumination



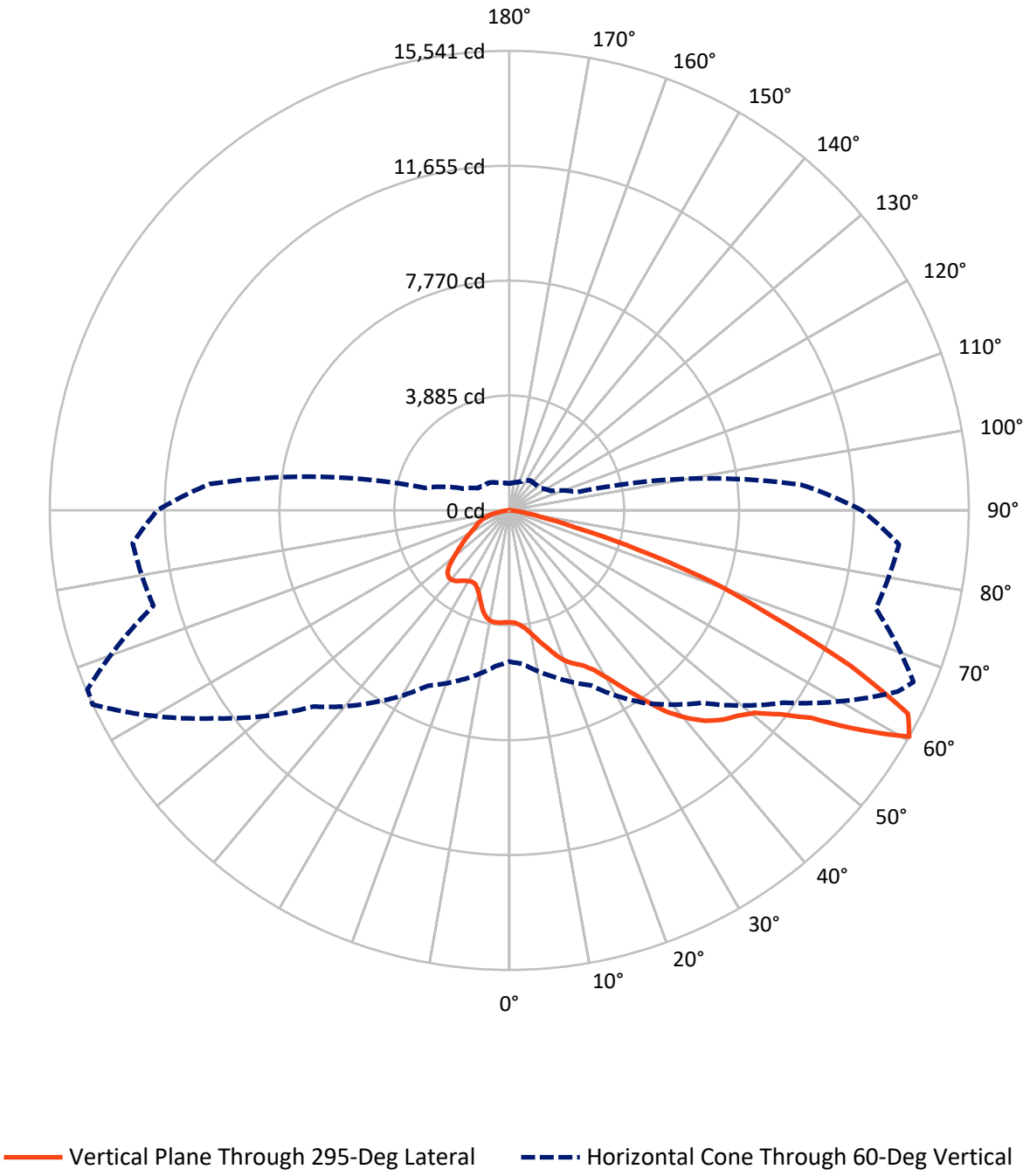
Based on 25 foot mounting height. Maximum calculated value = 9.1 fc
Type II - Short - N/A

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Luminous Intensity Polar Plot



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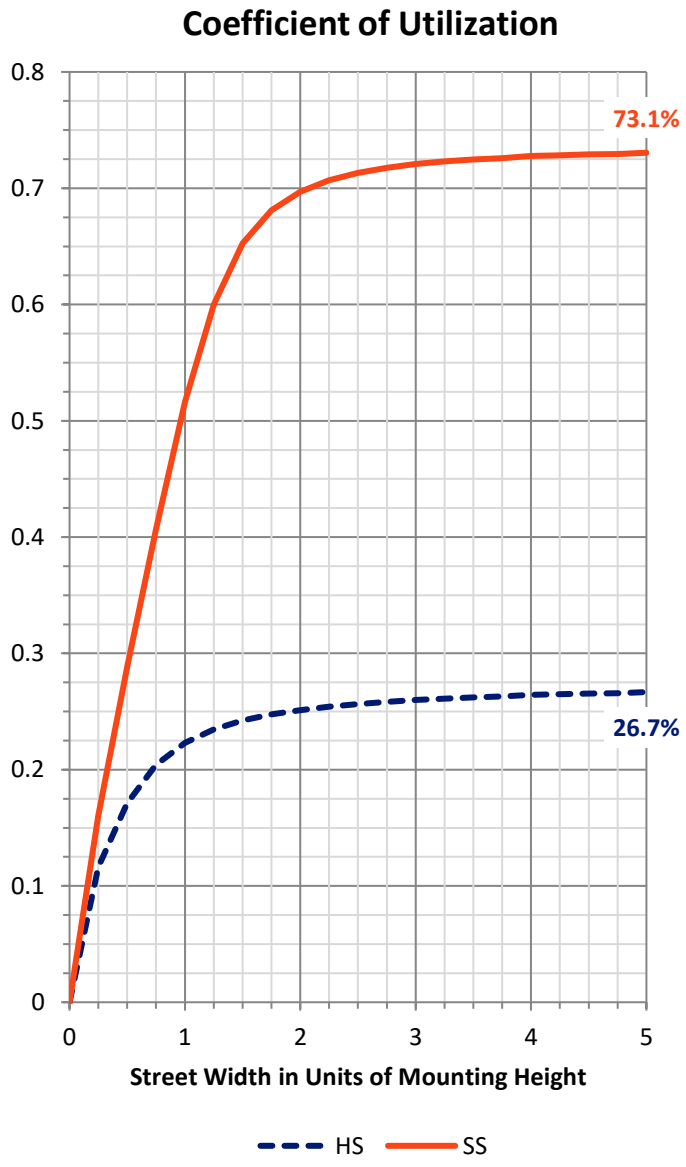
REPORT NUMBER: P1501360
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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	6334.2	0.0	6334.2
	% Fixture	26.9	0.0	26.9
Street Side	Lumens	17220.6	0.0	17220.6
	% Fixture	73.1	0.0	73.1
Total	Lumens	23554.7	0.0	23554.7
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	356.3	1.5
10°-20°	1024.3	4.3
20°-30°	1940.3	8.2
30°-40°	3420.6	14.5
40°-50°	5058.7	21.5
50°-60°	5940.3	25.2
60°-70°	4304.0	18.3
70°-80°	1327.3	5.6
80°-90°	182.7	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°	23554.7	100.0
0°-180°	23554.7	100.0



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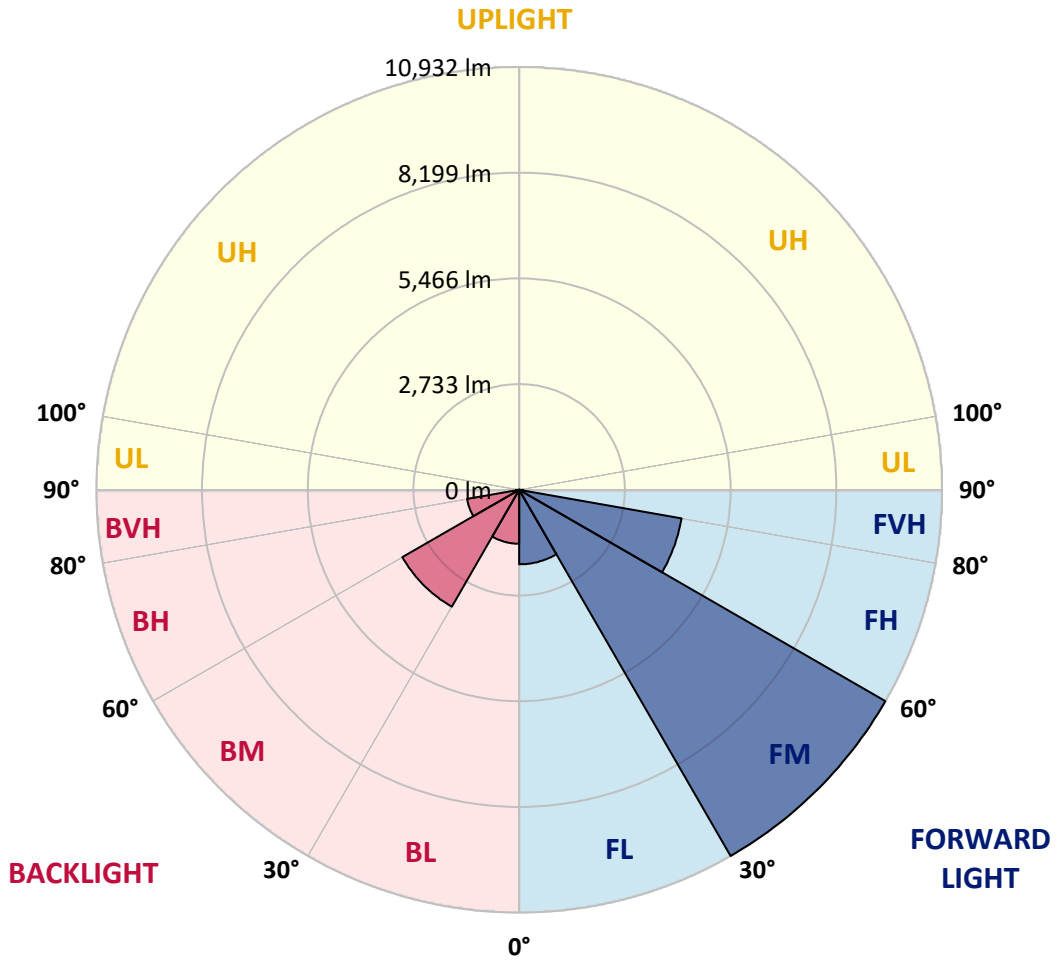
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	1926.0	8.2			
FM	(30°-60°)	10931.9	46.4			
FH	(60°-80°)	4264.1	18.1			G2/5000
FVH	(80°-90°)	98.6	0.4			G1/100
BL	(0°-30°)	1395.0	5.9	B3/2500		
BM	(30°-60°)	3487.8	14.8	B3/5000		
BH	(60°-80°)	1367.2	5.8	B3/2500		G3/2500
BVH	(80°-90°)	84.2	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°	3789.8	3789.8	3789.8	3789.8	3789.8	3789.8	3789.8	3789.8	3789.8	3789.8	3789.8
2.5°	3865.0	3875.7	3859.6	3870.4	3870.4	3854.3	3848.9	3827.4	3838.2	3832.8	3827.4
5°	3956.3	3961.6	3950.9	3967.0	3967.0	3972.4	3967.0	3940.1	3940.1	3940.1	3929.4
7.5°	3929.4	3929.4	3934.8	3988.5	4042.1	4111.9	4111.9	4101.2	4111.9	4106.6	4058.2
10°	3704.0	3725.4	3773.7	3907.9	4036.8	4187.1	4289.1	4321.3	4321.3	4326.6	4246.1
12.5°	3301.4	3317.5	3430.2	3634.2	3902.6	4176.3	4423.3	4584.3	4600.4	4627.3	4519.9
15°	2941.7	2952.4	3032.9	3242.3	3548.3	4031.4	4498.4	4831.2	4884.9	4997.7	4836.6
17.5°	2973.9	2968.5	2990.0	3070.5	3290.6	3795.2	4482.3	5121.1	5217.7	5416.4	5276.8
20°	3167.1	3167.1	3183.3	3199.4	3279.9	3623.4	4364.2	5357.3	5545.2	5931.7	5770.7
22.5°	3473.1	3473.1	3467.8	3494.6	3494.6	3698.6	4369.6	5534.5	5813.6	6506.1	6350.4
25°	3897.2	3875.7	3875.7	3886.5	3838.2	3983.1	4503.8	5717.0	6082.0	7187.8	7053.6
27.5°	4375.0	4391.1	4380.3	4342.8	4278.3	4391.1	4825.9	6001.5	6382.6	7907.1	7853.5
30°	4895.7	4901.0	4911.8	4890.3	4836.6	4917.1	5330.5	6430.9	6779.8	8658.7	8776.8
32.5°	5405.6	5480.8	5453.9	5400.3	5421.7	5566.7	5953.2	7010.7	7370.3	9356.5	9775.2
35°	6055.2	6082.0	6189.4	5990.7	5996.1	6243.0	6747.6	7772.9	8121.9	10081.2	10773.7
37.5°	6999.9	7048.2	6999.9	6688.6	6640.3	6983.8	7520.6	8524.5	8776.8	10628.7	11702.3
40°	7928.6	7987.7	8068.2	7703.2	7397.2	7681.7	8250.7	9098.8	9361.9	10929.3	12319.7
42.5°	8696.2	8792.9	8707.0	8599.6	8320.5	8374.2	8760.7	9544.4	9807.4	11310.5	12942.4
45°	9345.8	9361.9	9399.5	9324.3	9184.7	9136.4	9195.5	9936.3	10226.1	11482.3	13248.3
47.5°	9614.2	9684.0	9716.2	9845.0	9989.9	9893.3	9565.9	10118.8	10381.8	11471.5	13345.0
50°	9469.2	9539.0	9710.8	10016.8	10365.7	10537.5	10000.7	10371.1	10666.3	11664.8	13543.6
52.5°	9088.1	9163.3	9442.4	9791.3	10376.4	10768.3	10612.6	10897.1	11181.6	12008.3	13876.4
55°	8164.8	8277.5	8669.4	9249.1	10054.4	10644.8	11256.8	11670.1	11981.5	12421.7	14220.0
57.5°	6822.8	6940.9	7381.1	8250.7	9458.5	10134.9	11444.7	13119.5	13259.1	12915.5	14252.2
60°	*5110.4*	*5207.0*	*5829.7*	*6527.5*	*7944.7*	*9200.8*	*11337.3*	*14493.7*	*14848.0*	*12829.6*	*13226.9*
62.5°	4047.5	4165.6	4718.5	5040.6	6055.2	7601.2	10961.6	14874.9	15180.8	12121.1	11799.0
65°	3161.8	3242.3	3757.6	4219.3	4466.2	5190.9	9394.1	13012.2	13285.9	10966.9	9737.6
67.5°	2088.2	2211.6	2823.6	3457.0	3585.9	3301.4	6463.1	10011.4	10140.2	8717.7	7322.0
70°	1497.7	1556.7	2013.0	2689.4	2882.6	2211.6	3521.4	7579.7	7617.3	5851.2	4933.2
72.5°	1019.9	1030.7	1368.9	2061.3	2297.5	1605.0	1937.9	4992.3	4863.5	2888.0	2823.6
75°	692.5	703.2	875.0	1374.2	1626.5	1116.6	1261.5	2721.6	2614.2	1594.3	1712.4
77.5°	467.0	477.8	601.2	923.3	1084.3	773.0	923.3	1438.6	1411.8	1057.5	917.9
80°	354.3	370.4	445.5	590.5	756.9	450.9	526.1	681.7	692.5	563.6	467.0
82.5°	198.6	220.1	268.4	300.6	488.5	252.3	252.3	408.0	391.9	348.9	252.3
85°	85.9	91.3	107.4	112.7	198.6	107.4	91.3	177.1	182.5	171.8	80.5
87.5°	16.1	16.1	16.1	16.1	16.1	16.1	16.1	21.5	21.5	21.5	21.5
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	3789.8	3789.8	3789.8	3789.8	3789.8	3789.8	3789.8	3789.8	3789.8	3789.8	3789.8
2.5°	3800.6	3832.8	3800.6	3784.5	3784.5	3757.6	3746.9	3746.9	3709.3	3725.4	3714.7
5°	3886.5	3897.2	3859.6	3811.3	3746.9	3693.2	3618.1	3521.4	3462.4	3457.0	3462.4
7.5°	4020.7	4026.0	3924.0	3816.7	3655.6	3462.4	3231.6	3043.7	2877.3	2850.4	2882.6
10°	4208.6	4197.8	4047.5	3795.2	3457.0	3049.1	2694.8	2523.0	2426.4	2421.0	2415.6
12.5°	4460.8	4391.1	4160.2	3704.0	3113.5	2641.1	2458.6	2447.8	2474.7	2496.1	2501.5
15°	4750.7	4659.5	4251.5	3526.8	2764.5	2490.8	2501.5	2592.8	2625.0	2646.4	2646.4
17.5°	5110.4	4992.3	4353.5	3274.5	2587.4	2523.0	2598.1	2684.0	2737.7	2759.2	2753.8
20°	5588.1	5341.2	4434.0	3032.9	2539.1	2576.7	2641.1	2727.0	2780.6	2807.5	2807.5
22.5°	6065.9	5759.9	4450.1	2866.5	2539.1	2582.0	2641.1	2727.0	2786.0	2812.9	2807.5
25°	6715.4	6296.7	4455.5	2748.4	2544.5	2555.2	2608.9	2684.0	2769.9	2796.8	2807.5
27.5°	7407.9	6887.2	4482.3	2721.6	2523.0	2517.6	2555.2	2625.0	2710.9	2780.6	2786.0
30°	8266.8	7552.8	4493.1	2748.4	2528.4	2458.6	2485.4	2555.2	2646.4	2716.2	2737.7
32.5°	9109.6	8170.2	4471.6	2807.5	2539.1	2421.0	2426.4	2469.3	2565.9	2614.2	2651.8
35°	10000.7	8825.1	4434.0	2888.0	2544.5	2404.9	2356.6	2378.0	2442.5	2447.8	2463.9
37.5°	10698.5	9313.6	4321.3	2995.4	2555.2	2345.8	2249.2	2233.1	2206.3	2152.6	2163.3
40°	11272.9	9641.0	4133.4	3049.1	2528.4	2276.1	2115.0	2039.9	1937.9	1857.3	1873.4
42.5°	11686.2	9861.1	3907.9	3059.8	2485.4	2158.0	1959.3	1830.5	1717.8	1631.9	1637.3
45°	11868.8	9839.6	3666.4	2979.3	2383.4	2013.0	1814.4	1690.9	1567.5	1476.2	1465.5
47.5°	11874.1	9630.3	3333.6	2786.0	2211.6	1846.6	1680.2	1546.0	1444.0	1379.6	1374.2
50°	11917.1	9512.2	3022.2	2506.9	1986.2	1669.5	1562.1	1427.9	1368.9	1277.6	1250.8
52.5°	12185.5	9705.4	2807.5	2200.9	1776.8	1540.6	1460.1	1342.0	1245.4	1186.3	1181.0
55°	12620.3	10038.3	2689.4	1970.1	1578.2	1417.2	1363.5	1261.5	1175.6	1116.6	1100.5
57.5°	12674.0	10210.0	2549.8	1755.4	1417.2	1320.5	1299.1	1186.3	1062.9	1019.9	1003.8
60°	*11922.4*	*9920.2*	*2378.0*	*1556.7*	*1299.1*	*1245.4*	*1234.7*	*1084.3*	*982.4*	*928.7*	*907.2*
62.5°	10897.1	9195.5	2115.0	1374.2	1207.8	1170.2	1127.3	1009.2	880.4	821.3	805.2
65°	8905.6	7730.0	1798.3	1250.8	1116.6	1073.6	1062.9	901.8	815.9	783.7	778.4
67.5°	6747.6	6210.8	1583.6	1159.5	1019.9	1003.8	966.2	912.6	875.0	837.4	826.7
70°	4772.2	4482.3	1347.4	1041.4	923.3	896.5	1052.1	993.1	858.9	810.6	805.2
72.5°	2893.4	2812.9	1164.9	934.0	794.5	837.4	971.6	896.5	773.0	714.0	692.5
75°	1825.1	1669.5	977.0	794.5	633.4	681.7	848.2	799.8	665.6	606.6	590.5
77.5°	993.1	923.3	735.4	649.5	499.2	552.9	740.8	660.3	531.4	579.7	515.3
80°	434.8	483.1	488.5	375.8	332.8	408.0	531.4	515.3	408.0	413.3	343.6
82.5°	209.4	273.8	316.7	257.7	187.9	241.6	354.3	295.2	273.8	257.7	246.9
85°	64.4	102.0	139.6	123.5	85.9	102.0	166.4	161.0	193.2	166.4	155.7
87.5°	21.5	21.5	16.1	16.1	16.1	21.5	26.8	16.1	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°	3789.8	3789.8	3789.8	3789.8	3789.8	3789.8	3789.8	3789.8	3789.8	3789.8	3789.8
2.5°	3709.3	3714.7	3714.7	3720.1	3720.1	3736.2	3757.6	3779.1	3763.0	3784.5	3789.8
5°	3451.7	3478.5	3500.0	3580.5	3644.9	3698.6	3757.6	3811.3	3827.4	3838.2	3865.0
7.5°	2845.1	2920.2	3059.8	3242.3	3446.3	3644.9	3779.1	3918.7	3940.1	3967.0	4004.6
10°	2421.0	2453.2	2549.8	2737.7	3102.7	3494.6	3822.1	4042.1	4133.4	4187.1	4224.7
12.5°	2490.8	2469.3	2453.2	2480.0	2716.2	3220.8	3795.2	4219.3	4391.1	4450.1	4498.4
15°	2657.2	2635.7	2576.7	2501.5	2528.4	2931.0	3704.0	4385.7	4659.5	4756.1	4858.1
17.5°	2753.8	2732.3	2684.0	2603.5	2533.7	2689.4	3532.2	4536.0	5083.5	5201.6	5346.6
20°	2807.5	2786.0	2737.7	2657.2	2576.7	2598.1	3312.1	4723.9	5566.7	5754.5	5969.3
22.5°	2818.2	2791.4	2737.7	2657.2	2608.9	2592.8	3102.7	4836.6	6087.4	6377.2	6624.2
25°	2812.9	2764.5	2694.8	2635.7	2608.9	2603.5	2957.8	4901.0	6651.0	7112.7	7391.8
27.5°	2775.3	2716.2	2646.4	2603.5	2592.8	2625.0	2893.4	4976.2	7311.3	7901.8	8347.3
30°	2732.3	2646.4	2560.6	2544.5	2571.3	2673.3	2947.1	5003.0	8003.8	8760.7	9216.9
32.5°	2619.6	2555.2	2469.3	2463.9	2528.4	2710.9	3070.5	4965.4	8615.7	9619.5	10193.9
35°	2458.6	2421.0	2372.7	2388.8	2490.8	2743.1	3156.4	4847.3	9174.0	10419.4	11090.4
37.5°	2174.1	2200.9	2227.7	2265.3	2394.1	2737.7	3194.0	4659.5	9635.6	11058.2	11917.1
40°	1857.3	1948.6	2034.5	2131.1	2302.9	2694.8	3204.7	4428.6	9904.1	11541.3	12652.5
42.5°	1658.7	1744.6	1852.0	1991.5	2179.4	2598.1	3194.0	4171.0	9989.9	11874.1	13119.5
45°	1476.2	1578.2	1712.4	1857.3	2072.1	2458.6	3097.4	3891.8	10032.9	12029.8	13318.1
47.5°	1379.6	1438.6	1562.1	1707.0	1932.5	2286.8	2909.5	3687.8	9968.5	12062.0	13559.7
50°	1266.9	1347.4	1427.9	1567.5	1787.6	2072.1	2684.0	3569.8	10075.8	12378.7	13940.8
52.5°	1181.0	1223.9	1309.8	1438.6	1599.7	1873.4	2469.3	3473.1	10371.1	12700.8	14338.1
55°	1116.6	1164.9	1218.5	1325.9	1449.4	1674.8	2249.2	3328.2	10714.6	13044.4	14735.3
57.5°	1014.6	1046.8	1121.9	1234.7	1315.2	1481.6	1991.5	3156.4	10687.8	12776.0	14048.2
60°	*923.3*	*955.5*	*1036.0*	*1148.8*	*1197.1*	*1309.8*	*1739.2*	*2936.3*	*10172.5*	*11901.0*	*12781.3*
62.5°	821.3	858.9	955.5	1036.0	1079.0	1164.9	1476.2	2533.7	9098.8	10585.8	11299.7
65°	778.4	799.8	864.3	960.9	955.5	1036.0	1245.4	1991.5	7322.0	8089.6	8739.2
67.5°	826.7	858.9	848.2	875.0	858.9	901.8	1116.6	1599.7	5754.5	6092.7	6468.5
70°	815.9	891.1	928.7	875.0	751.5	799.8	966.2	1277.6	4117.3	4085.1	4069.0
72.5°	714.0	789.1	896.5	950.1	735.4	665.6	837.4	1105.8	2641.1	2630.3	2378.0
75°	606.6	660.3	789.1	858.9	633.4	536.8	719.3	939.4	1578.2	1599.7	1427.9
77.5°	558.3	531.4	660.3	756.9	515.3	413.3	579.7	708.6	869.6	880.4	815.9
80°	402.6	386.5	493.9	552.9	391.9	295.2	327.5	440.2	467.0	418.7	434.8
82.5°	257.7	263.0	295.2	354.3	241.6	161.0	225.5	295.2	252.3	204.0	241.6
85°	166.4	187.9	155.7	182.5	75.2	75.2	96.6	128.8	85.9	59.0	64.4
87.5°	0.0	0.0	10.7	21.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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

Scaled Data Report

REPORT NUMBER: P1501360
CATALOG NUMBER: GSS-SB3D-722-U-T2LG

CANDELA DISTRIBUTION (continued):

	285°	293°	295°	305°	315°	325°	335°	345°	355°	360°
0°	3789.8	3789.8	*3789.8*	3789.8	3789.8	3789.8	3789.8	3789.8	3789.8	3789.8
2.5°	3805.9	3800.6	*3800.6*	3811.3	3838.2	3848.9	3865.0	3859.6	3875.7	3865.0
5°	3881.1	3886.5	*3902.6*	3907.9	3924.0	3945.5	3950.9	3945.5	3956.3	3956.3
7.5°	4031.4	4052.9	*4042.1*	4069.0	4047.5	4020.7	3977.7	3945.5	3918.7	3929.4
10°	4283.7	4273.0	*4267.6*	4219.3	4122.7	3983.1	3870.4	3746.9	3725.4	3704.0
12.5°	4562.8	4552.1	*4552.1*	4385.7	4111.9	3822.1	3564.4	3371.1	3306.7	3301.4
15°	4954.7	4884.9	*4820.5*	4471.6	3924.0	3430.2	3129.6	2979.3	2941.7	2941.7
17.5°	5443.2	5260.7	*5153.3*	4407.2	3618.1	3172.5	2995.4	2957.8	2947.1	2973.9
20°	6049.8	5588.1	*5432.5*	4262.2	3505.3	3204.7	3118.8	3124.2	3129.6	3167.1
22.5°	6715.4	5888.7	*5631.1*	4262.2	3618.1	3408.7	3365.8	3424.8	3440.9	3473.1
25°	7456.2	6157.2	*5808.2*	4487.7	3950.9	3795.2	3741.5	3800.6	3843.5	3897.2
27.5°	8288.3	6436.3	*6114.2*	4895.7	4380.3	4283.7	4224.7	4251.5	4310.5	4375.0
30°	9034.4	6903.3	*6581.2*	5518.4	4965.4	4847.3	4745.4	4788.3	4852.7	4895.7
32.5°	9694.7	7472.3	*7198.6*	6173.3	5636.5	5432.5	5319.7	5309.0	5437.8	5405.6
35°	10301.3	8143.3	*7880.3*	6919.4	6318.2	6065.9	5915.6	6108.8	6023.0	6055.2
37.5°	10779.0	8841.2	*8631.8*	7633.4	7026.8	6683.2	6592.0	6828.2	6962.4	6999.9
40°	11170.9	9447.8	*9227.7*	8341.9	7676.3	7424.0	7568.9	7960.8	7944.7	7928.6
42.5°	11471.5	9968.5	*9726.9*	8878.8	8299.0	8347.3	8460.0	8723.1	8787.5	8696.2
45°	11605.7	10295.9	*10102.7*	9302.8	9007.6	9286.7	9335.0	9447.8	9404.8	9345.8
47.5°	11761.4	10585.8	*10381.8*	9689.3	9775.2	10049.0	9952.4	9861.1	9705.4	9614.2
50°	12024.4	10929.3	*10757.6*	10253.0	10564.3	10473.1	10097.3	9893.3	9576.6	9469.2
52.5°	12523.7	11578.9	*11450.0*	11144.1	10934.7	10408.6	9952.4	9587.3	9233.0	9088.1
55°	12969.2	12459.2	*12384.1*	11976.1	10822.0	10070.5	9458.5	8894.9	8288.3	8164.8
57.5°	13226.9	13919.4	*14005.2*	12330.4	10306.7	9302.8	8401.0	7499.2	6924.8	6822.8
60°	*12459.2*	*15497.6*	*15540.5*	*12260.6*	*9378.0*	*7917.9*	*6543.7*	*5904.9*	*5287.5*	*5110.4*
62.5°	11401.7	15170.1	*15132.5*	11841.9	7467.0	5776.0	4970.8	4670.2	4192.4	4047.5
65°	9802.1	12636.4	*12679.3*	10231.5	4965.4	4176.3	4176.3	3795.2	3263.8	3161.8
67.5°	7987.7	9743.0	*9646.4*	6634.9	3049.1	3344.3	3505.3	2957.8	2211.6	2088.2
70°	5190.9	7440.1	*7305.9*	3827.4	1916.4	2786.0	2759.2	2222.4	1583.6	1497.7
72.5°	2233.1	4299.8	*4573.6*	1954.0	1444.0	2243.8	2200.9	1556.7	1057.5	1019.9
75°	1347.4	2163.3	*2356.6*	1245.4	1052.1	1690.9	1524.5	987.7	719.3	692.5
77.5°	853.5	1186.3	*1175.6*	934.0	789.1	1143.4	1025.3	681.7	488.5	467.0
80°	493.9	585.1	*606.6*	585.1	531.4	815.9	654.9	493.9	381.1	354.3
82.5°	316.7	365.0	*370.4*	284.5	295.2	526.1	354.3	289.9	220.1	198.6
85°	139.6	155.7	*150.3*	96.6	96.6	214.7	123.5	118.1	85.9	85.9
87.5°	5.4	10.7	*5.4*	5.4	5.4	21.5	10.7	16.1	16.1	16.1
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

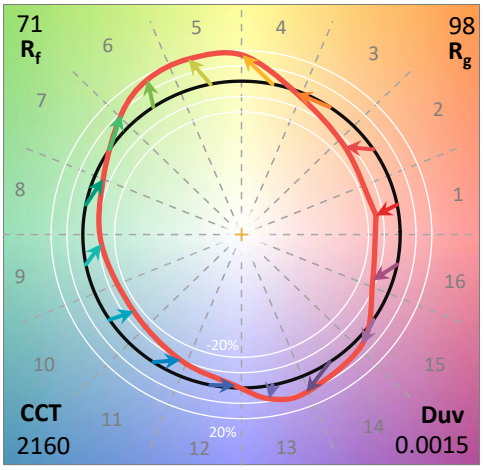
Test Information

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

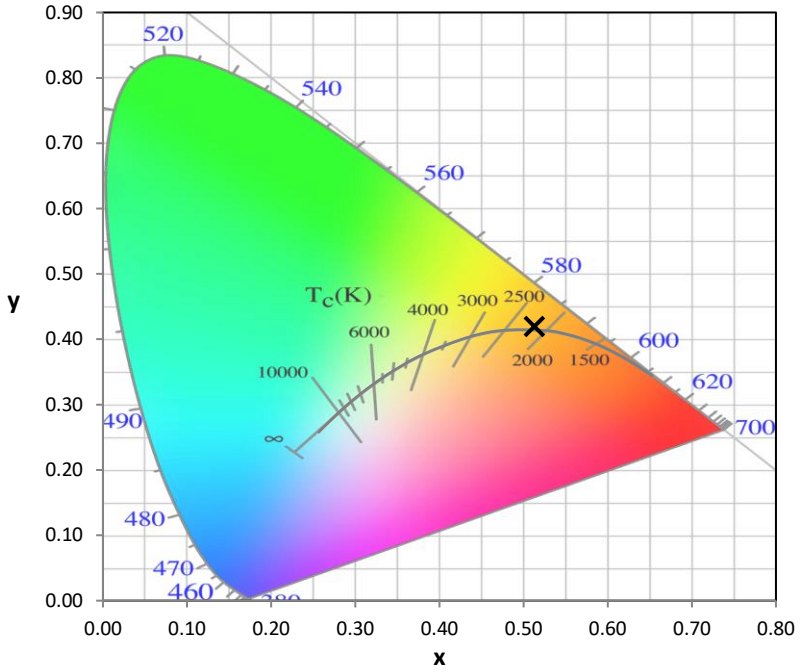
Stabilization Time:	21M
Operation Time:	1H 21M
Sphere Temperature (°C):	25.2

REPORT NUMBER: SP1-2407-184-2

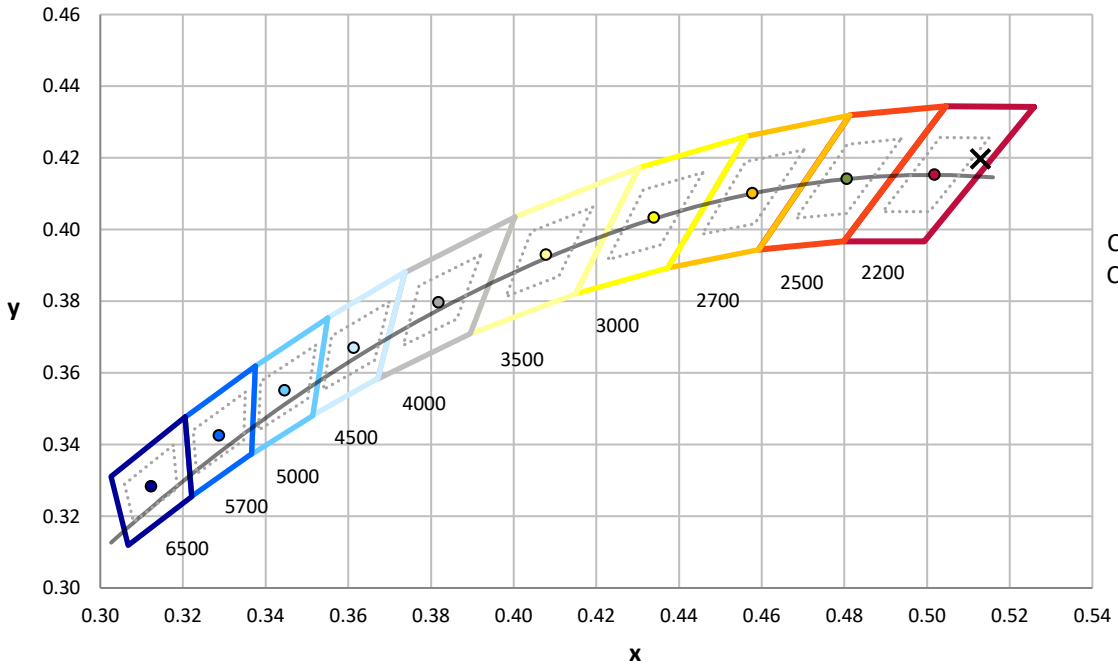
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

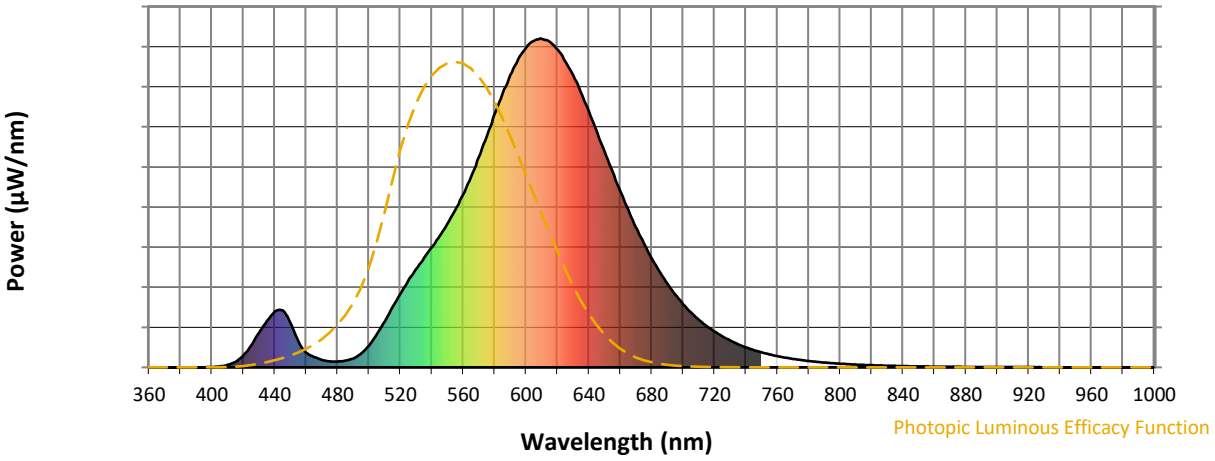


CCT = 2160K
CIE x = 0.5130
CIE y = 0.4197
Duv = 0.0015

Point lies inside the ANSI 2200K 7-step quadrangle

REPORT NUMBER: SP1-2407-184-2

Photopic Flux vs. Wavelength

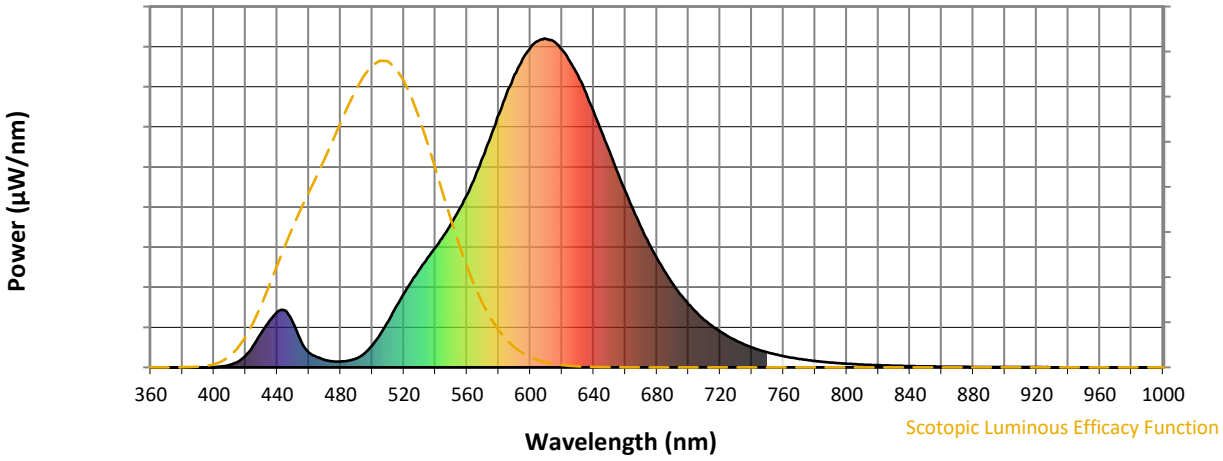


Photopic Lumens: NR

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

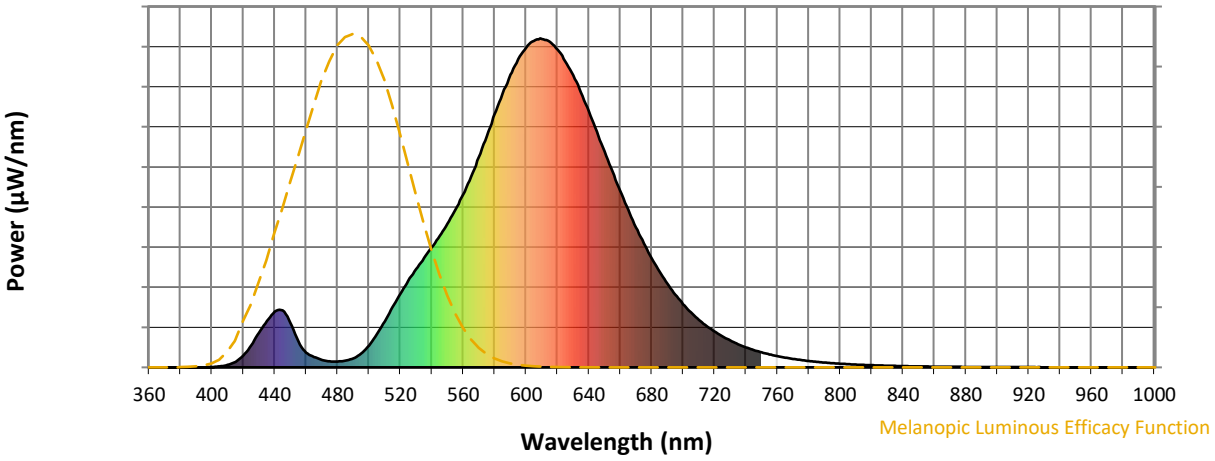


Scotopic Lumens: NR **S/P: 0.8**

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			

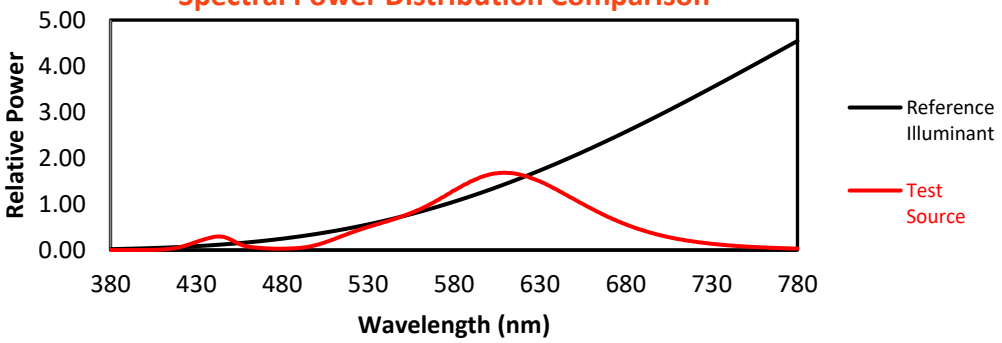
REPORT NUMBER: SP1-2407-184-2

TM-30-18

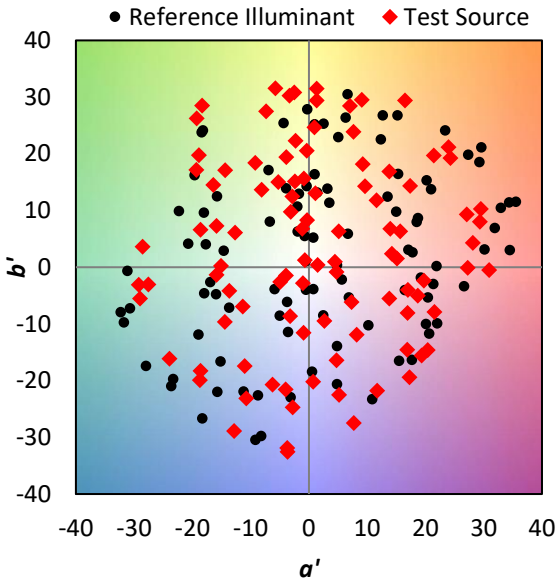
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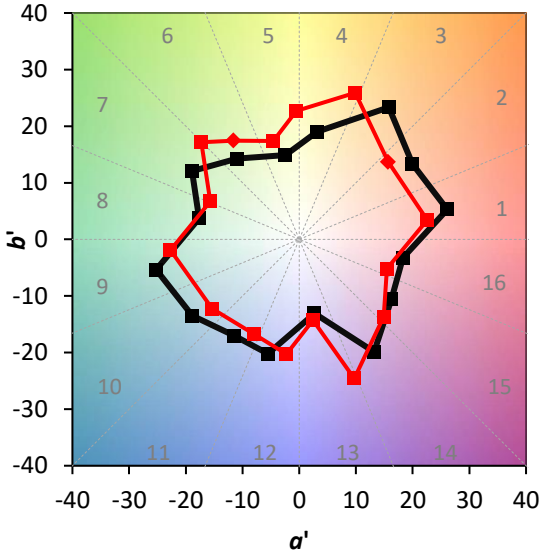
R_f = 70.6
R_g = 97.6
CIE R_a = 71.9
R_9 = -17.8

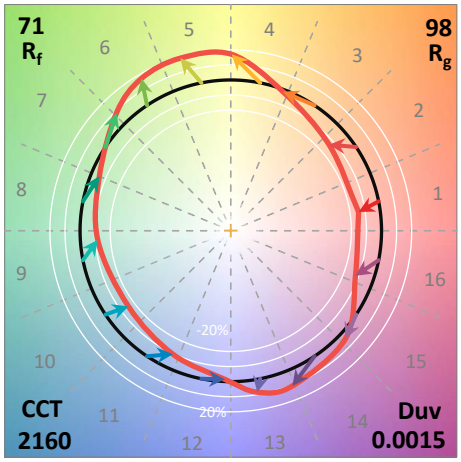
Spectral Power Distribution Comparison

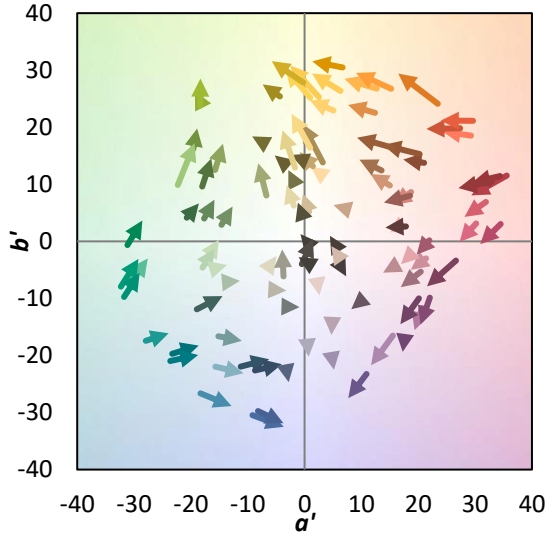


Color Vector Graphics







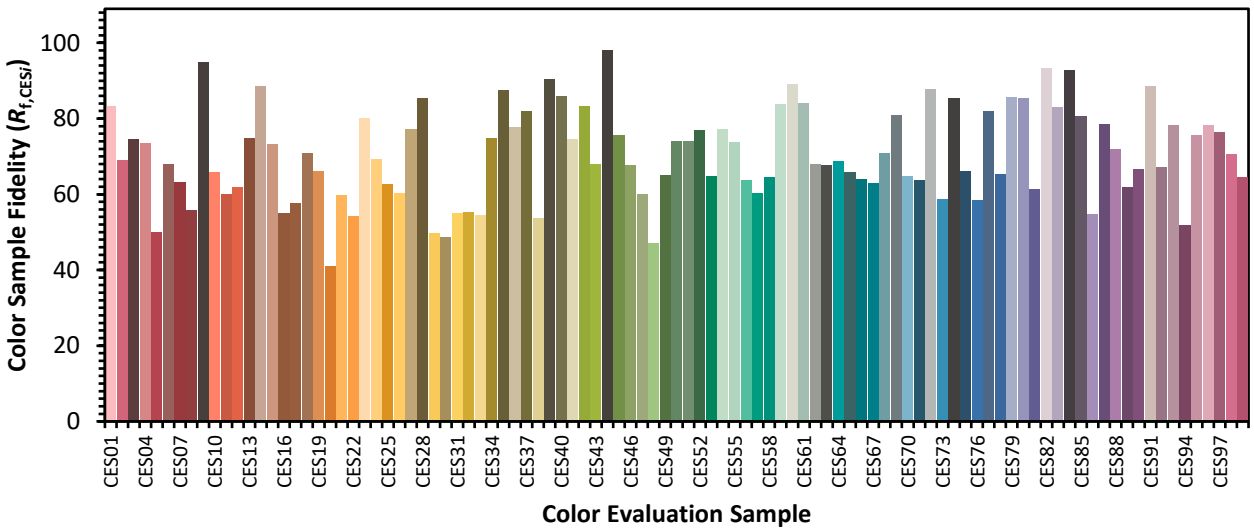


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Individual Sample Fidelity Index ($R_{f,i}$)

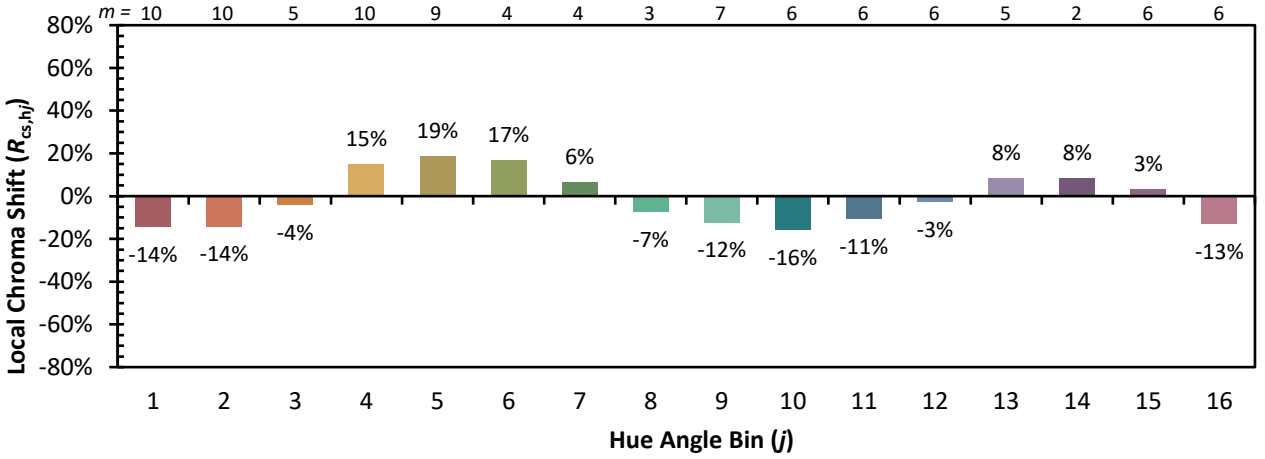
CES01 = 87	CES26 = 60	CES51 = 74	CES76 = 58
CES02 = 65	CES27 = 77	CES52 = 77	CES77 = 82
CES03 = 32	CES28 = 85	CES53 = 65	CES78 = 65
CES04 = 72	CES29 = 50	CES54 = 77	CES79 = 86
CES05 = 52	CES30 = 49	CES55 = 74	CES80 = 85
CES06 = 53	CES31 = 55	CES56 = 64	CES81 = 61
CES07 = 44	CES32 = 55	CES57 = 60	CES82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

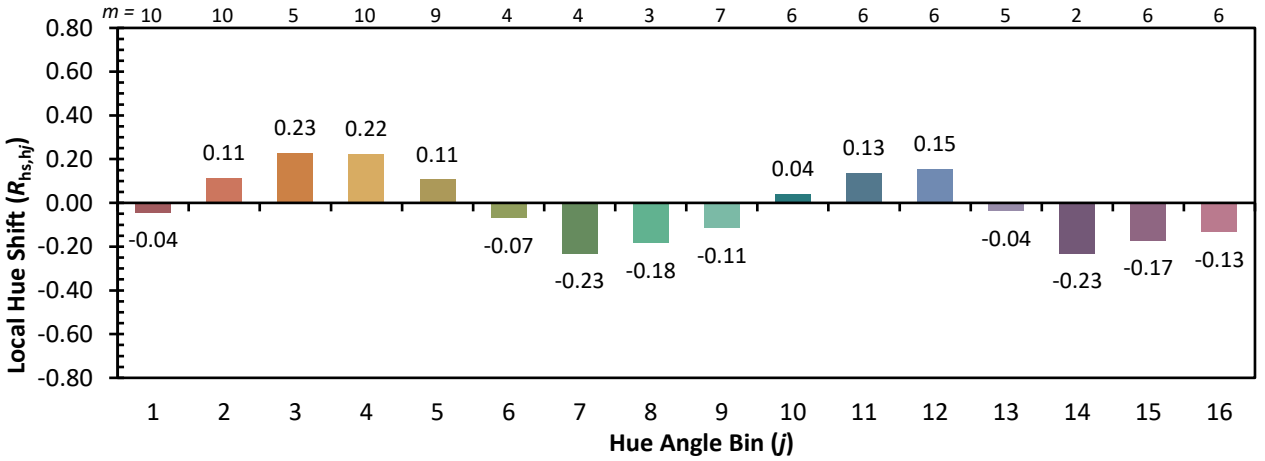


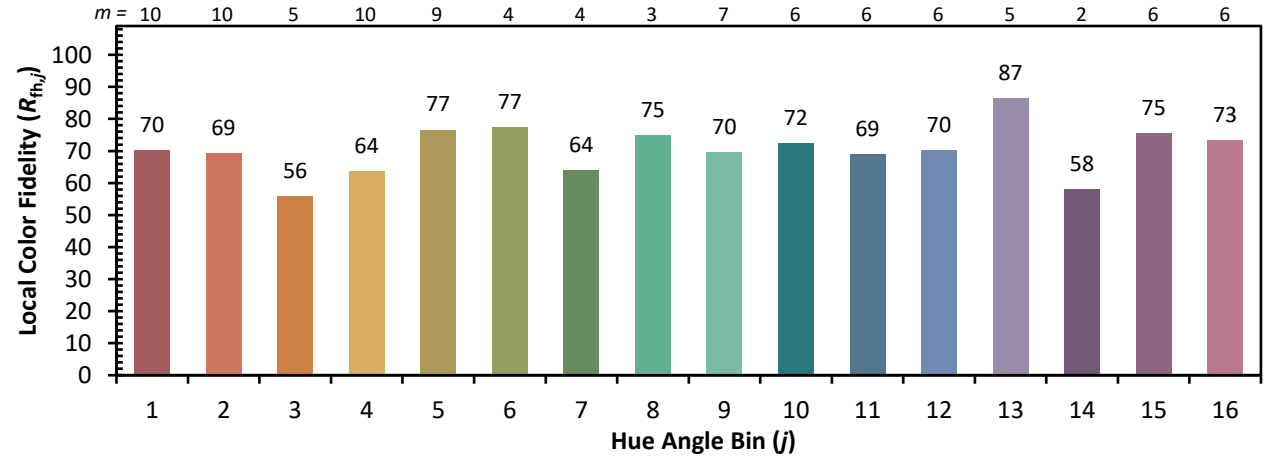
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Color Rendition by Hue-Angle Bin



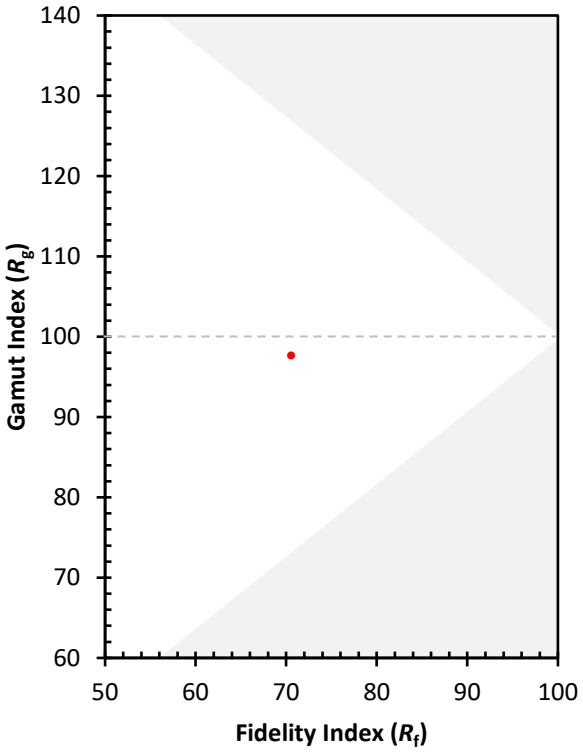


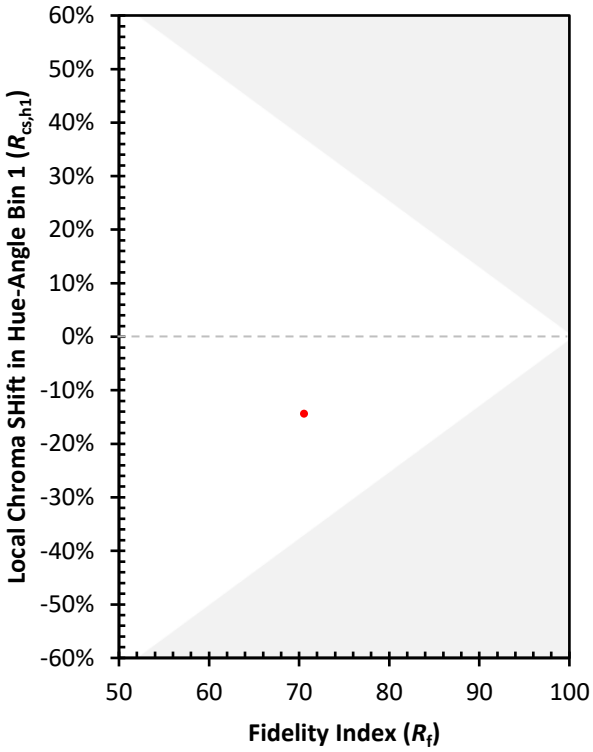


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Measure Comparisons





(END OF REPORT)