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: P1501459

Luminaire Tested: GSS-SB4C-750-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:	P1501459
Test Lab:	INNOVATION CENTER(G1)
Issue Date:	7/20/2026
Manufacturer:	COOPER LIGHTING SOLUTIONS
Product Line:	McGRAW-EDISON
Catalog Number:	GSS-SB4C-750-U-T2LG
Description:	GALLEON II SLIM SITE HIGH DENSITY LED ARRAYS 4SQUARE 204W 70CRI 5000K FIXTURE w/ TYPE II LOW GLARE DISTRIBUTION FIXTURE
Light Source:	(104) 5000K CCT, 70 CRI LEDS
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	30505.4 lumens
Efficiency:	N/A
Efficacy:	149.5 lumens/watt
Luminous Opening:	Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification:	Type II - Short
BUG Rating:	B3 - U0 - G3

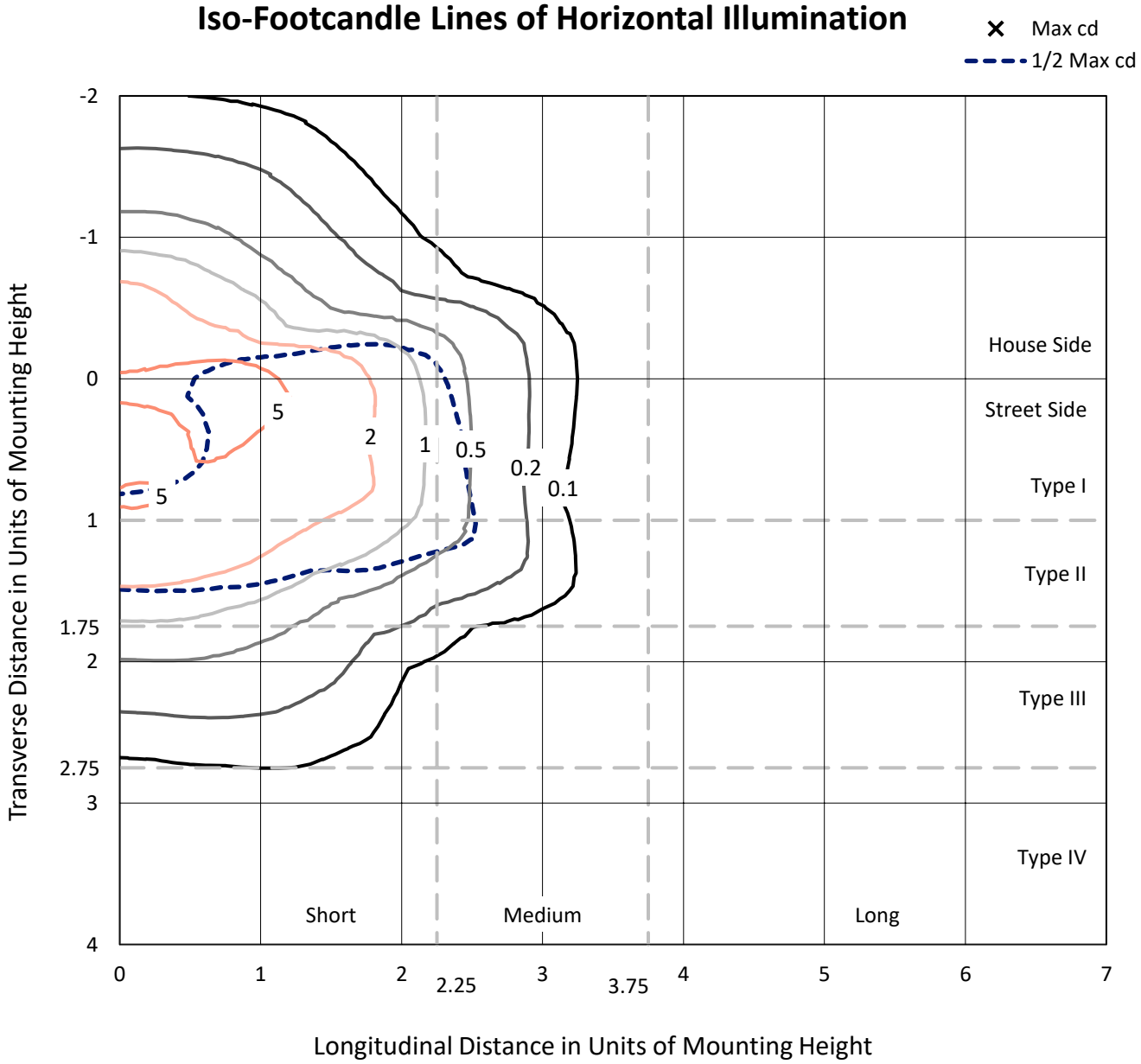
Input Watts (W):	204
Input Voltage (V):	120
Input Current (Ain):	NR
Voltage Rise (V):	NR
Power Factor:	0.98
Total Harmonic Distortion (THDi):	9.5%
Frequency (hertz):	60
Stabilization Time:	NR
Operation Time:	NR
Ambient Temperature (°C):	NR
Test Distance:	28.75 FT

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Iso-Footcandle Lines of Horizontal Illumination



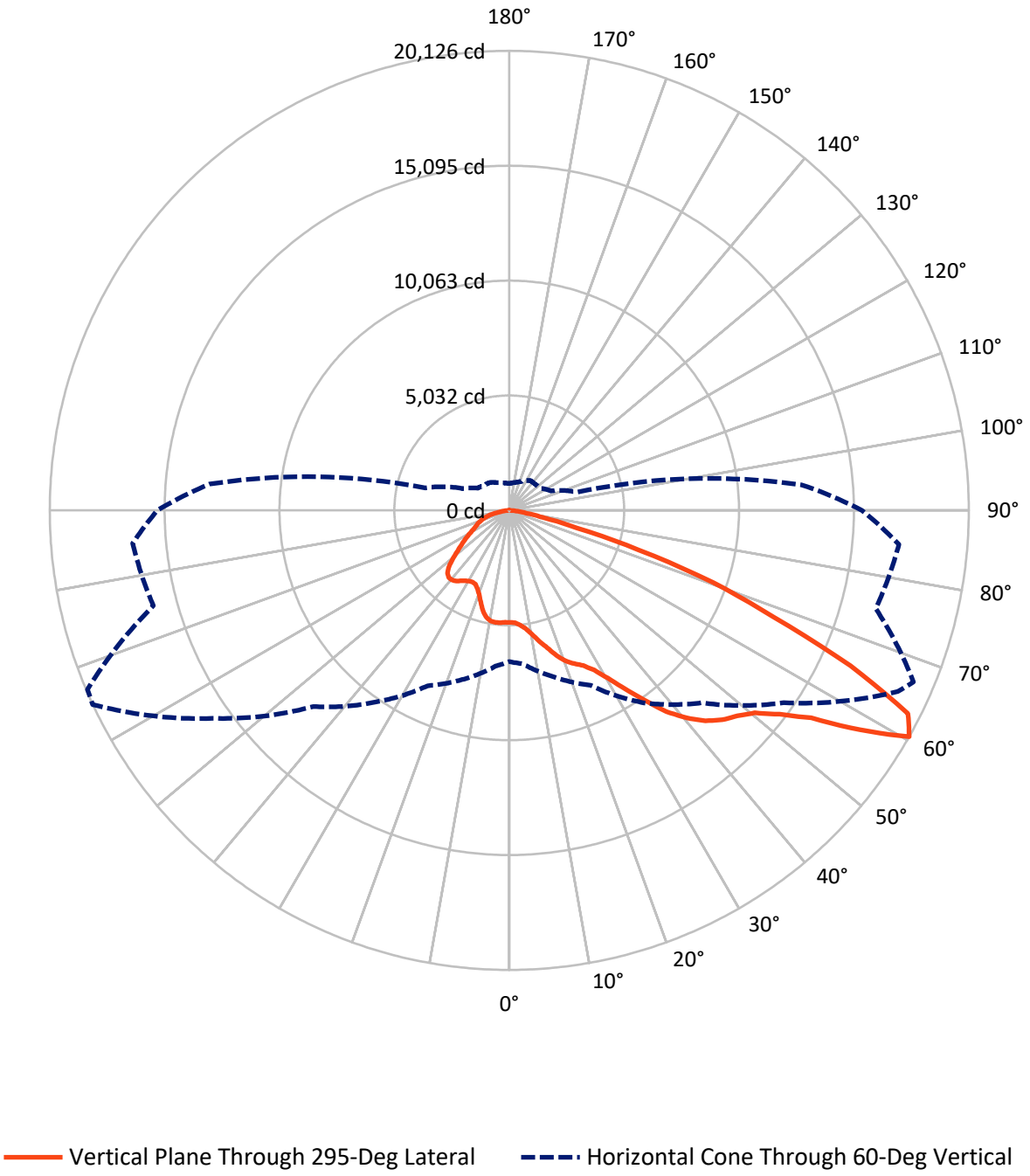
Based on 30 foot mounting height. Maximum calculated value = 8.2 fc
Type II - Short - N/A

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Luminous Intensity Polar Plot



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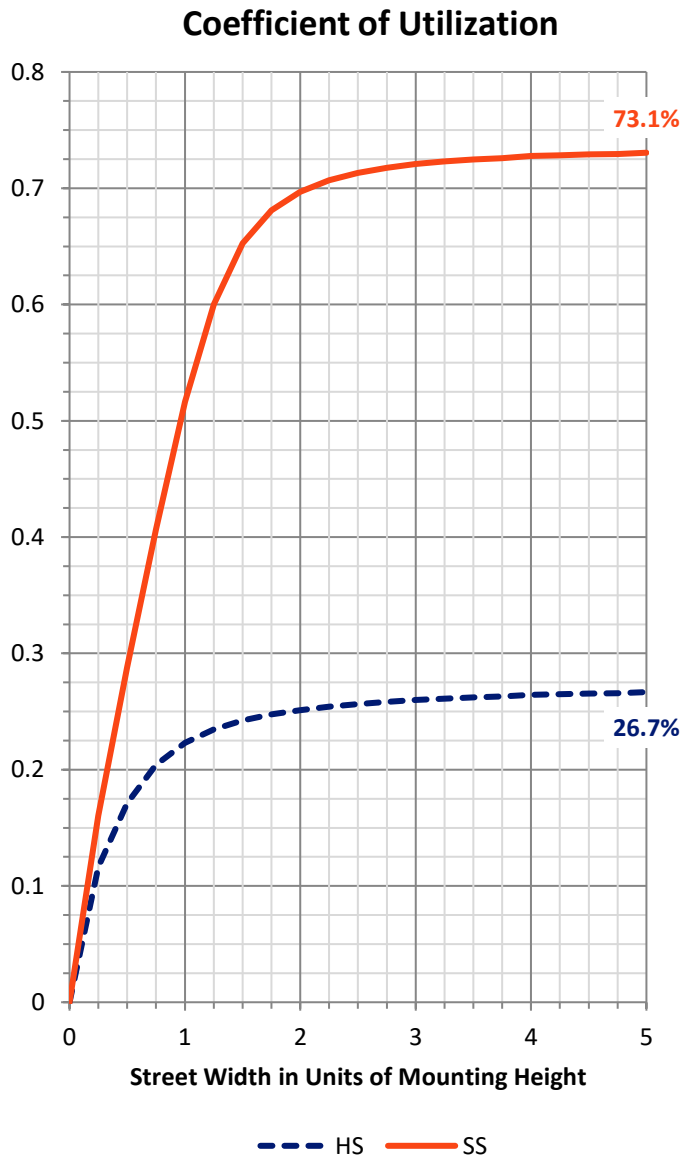
REPORT NUMBER: P1501459
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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	8203.3	0.0	8203.3
	% Fixture	26.9	0.0	26.9
Street Side	Lumens	22302.1	0.0	22302.1
	% Fixture	73.1	0.0	73.1
Total	Lumens	30505.4	0.0	30505.4
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	461.5	1.5
10°-20°	1326.6	4.3
20°-30°	2512.8	8.2
30°-40°	4430.0	14.5
40°-50°	6551.5	21.5
50°-60°	7693.2	25.2
60°-70°	5574.1	18.3
70°-80°	1719.0	5.6
80°-90°	236.6	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°	30505.4	100.0
0°-180°	30505.4	100.0



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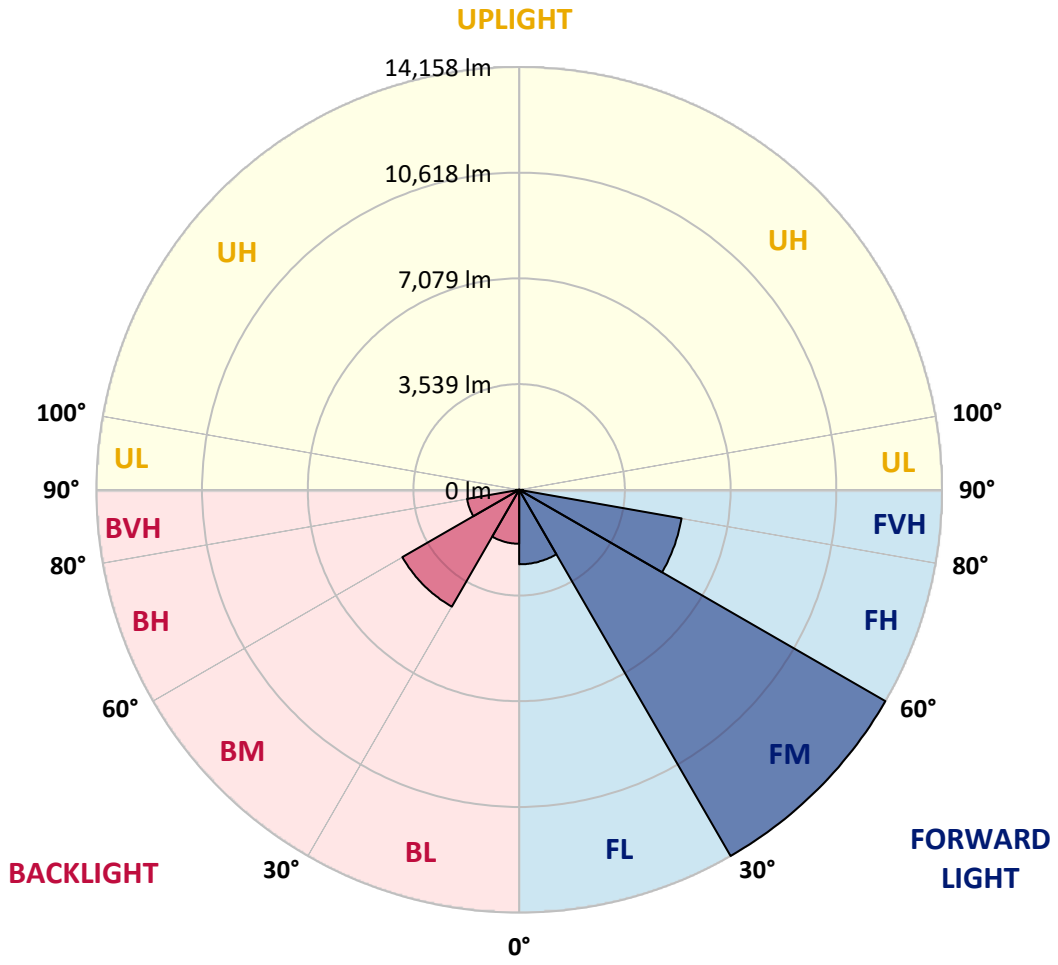
Scaled Data Report

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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	2494.3	8.2			
FM	(30°-60°)	14157.7	46.4			
FH	(60°-80°)	5522.4	18.1			G3/7500
FVH	(80°-90°)	127.7	0.4			G2/225
BL	(0°-30°)	1806.6	5.9	B3/2500		
BM	(30°-60°)	4517.0	14.8	B3/5000		
BH	(60°-80°)	1770.7	5.8	B3/2500		G3/2500
BVH	(80°-90°)	109.0	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°	4908.2	4908.2	4908.2	4908.2	4908.2	4908.2	4908.2	4908.2	4908.2	4908.2	4908.2
2.5°	5005.5	5019.4	4998.6	5012.5	5012.5	4991.6	4984.6	4956.8	4970.7	4963.8	4956.8
5°	5123.7	5130.6	5116.7	5137.6	5137.6	5144.5	5137.6	5102.8	5102.8	5102.8	5088.9
7.5°	5088.9	5088.9	5095.9	5165.4	5234.9	5325.3	5325.3	5311.4	5325.3	5318.3	5255.8
10°	4796.9	4824.8	4887.3	5061.1	5228.0	5422.6	5554.7	5596.4	5596.4	5603.4	5499.1
12.5°	4275.5	4296.4	4442.4	4706.6	5054.2	5408.7	5728.5	5937.1	5957.9	5992.7	5853.7
15°	3809.7	3823.6	3927.9	4199.1	4595.3	5221.0	5825.9	6256.9	6326.4	6472.4	6263.8
17.5°	3851.5	3844.5	3872.3	3976.6	4261.6	4915.1	5805.0	6632.3	6757.4	7014.7	6833.9
20°	4101.7	4101.7	4122.6	4143.4	4247.7	4692.7	5652.0	6938.2	7181.5	7682.1	7473.5
22.5°	4498.0	4498.0	4491.1	4525.8	4525.8	4790.0	5659.0	7167.6	7529.1	8425.9	8224.3
25°	5047.2	5019.4	5019.4	5033.3	4970.7	5158.5	5832.8	7404.0	7876.7	9308.8	9135.0
27.5°	5666.0	5686.8	5672.9	5624.2	5540.8	5686.8	6249.9	7772.4	8266.0	10240.4	10170.9
30°	6340.3	6347.3	6361.2	6333.4	6263.8	6368.1	6903.4	8328.6	8780.5	11213.7	11366.7
32.5°	7000.8	7098.1	7063.3	6993.8	7021.6	7209.3	7709.9	9079.4	9545.2	12117.5	12659.8
35°	7842.0	7876.7	8015.8	7758.5	7765.5	8085.3	8738.8	10066.6	10518.5	13056.0	13952.8
37.5°	9065.5	9128.1	9065.5	8662.3	8599.7	9044.7	9739.9	11039.9	11366.7	13765.1	15155.6
40°	10268.2	10344.7	10449.0	9976.2	9580.0	9948.4	10685.4	11783.8	12124.4	14154.5	15955.0
42.5°	11262.4	11387.5	11276.3	11137.2	10775.7	10845.3	11345.8	12360.8	12701.5	14648.1	16761.5
45°	12103.6	12124.4	12173.1	12075.8	11895.0	11832.5	11908.9	12868.3	13243.7	14870.5	17157.8
47.5°	12451.2	12541.6	12583.3	12750.1	12937.8	12812.7	12388.6	13104.7	13445.3	14856.6	17282.9
50°	12263.5	12353.9	12576.3	12972.6	13424.5	13647.0	12951.7	13431.4	13813.8	15106.9	17540.1
52.5°	11769.9	11867.2	12228.7	12680.6	13438.4	13945.9	13744.3	14112.7	14481.2	15551.8	17971.2
55°	10574.1	10720.1	11227.6	11978.5	13021.3	13786.0	14578.5	15113.8	15517.1	16087.1	18416.1
57.5°	8836.1	8989.1	9559.1	10685.4	12249.6	13125.5	14821.9	16990.9	17171.7	16726.7	18457.8
60°	*6618.4*	*6743.5*	*7550.0*	*8453.7*	*10289.1*	*11915.9*	*14682.8*	*18770.6*	*19229.5*	*16615.5*	*17129.9*
62.5°	5241.9	5394.8	6110.9	6528.0	7842.0	9844.2	14196.2	19264.2	19660.5	15697.8	15280.7
65°	4094.8	4199.1	4866.5	5464.3	5784.1	6722.7	12166.2	16851.9	17206.4	14203.1	12611.1
67.5°	2704.4	2864.3	3656.8	4477.1	4644.0	4275.5	8370.3	12965.6	13132.5	11290.2	9482.7
70°	1939.6	2016.1	2607.0	3483.0	3733.3	2864.3	4560.6	9816.4	9865.0	7577.8	6389.0
72.5°	1320.9	1334.8	1772.8	2669.6	2975.5	2078.7	2509.7	6465.4	6298.6	3740.2	3656.8
75°	896.8	910.7	1133.2	1779.7	2106.5	1446.0	1633.7	3524.7	3385.7	2064.8	2217.7
77.5°	604.8	618.7	778.6	1195.8	1404.3	1001.1	1195.8	1863.2	1828.4	1369.6	1188.8
80°	458.8	479.7	577.0	764.7	980.2	584.0	681.3	882.9	896.8	730.0	604.8
82.5°	257.2	285.0	347.6	389.3	632.6	326.7	326.7	528.4	507.5	451.9	326.7
85°	111.2	118.2	139.0	146.0	257.2	139.0	118.2	229.4	236.4	222.5	104.3
87.5°	20.9	20.9	20.9	20.9	20.9	20.9	20.9	27.8	27.8	27.8	27.8
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°	4908.2	4908.2	4908.2	4908.2	4908.2	4908.2	4908.2	4908.2	4908.2	4908.2	4908.2
2.5°	4922.1	4963.8	4922.1	4901.2	4901.2	4866.5	4852.6	4852.6	4803.9	4824.8	4810.8
5°	5033.3	5047.2	4998.6	4936.0	4852.6	4783.0	4685.7	4560.6	4484.1	4477.1	4484.1
7.5°	5207.1	5214.1	5082.0	4942.9	4734.4	4484.1	4185.2	3941.8	3726.3	3691.6	3733.3
10°	5450.4	5436.5	5241.9	4915.1	4477.1	3948.8	3489.9	3267.5	3142.3	3135.4	3128.4
12.5°	5777.2	5686.8	5387.9	4796.9	4032.2	3420.4	3184.1	3170.2	3204.9	3232.7	3239.7
15°	6152.6	6034.4	5506.1	4567.5	3580.3	3225.8	3239.7	3357.9	3399.6	3427.4	3427.4
17.5°	6618.4	6465.4	5638.1	4240.8	3350.9	3267.5	3364.8	3476.0	3545.6	3573.4	3566.4
20°	7237.1	6917.3	5742.4	3927.9	3288.3	3337.0	3420.4	3531.7	3601.2	3635.9	3635.9
22.5°	7855.9	7459.6	5763.3	3712.4	3288.3	3344.0	3420.4	3531.7	3608.1	3642.9	3635.9
25°	8697.1	8154.8	5770.2	3559.5	3295.3	3309.2	3378.7	3476.0	3587.3	3622.0	3635.9
27.5°	9593.9	8919.5	5805.0	3524.7	3267.5	3260.5	3309.2	3399.6	3510.8	3601.2	3608.1
30°	10706.2	9781.6	5818.9	3559.5	3274.4	3184.1	3218.8	3309.2	3427.4	3517.8	3545.6
32.5°	11797.7	10581.1	5791.1	3635.9	3288.3	3135.4	3142.3	3198.0	3323.1	3385.7	3434.3
35°	12951.7	11429.2	5742.4	3740.2	3295.3	3114.5	3052.0	3079.8	3163.2	3170.2	3191.0
37.5°	13855.5	12061.9	5596.4	3879.3	3309.2	3038.1	2912.9	2892.1	2857.3	2787.8	2801.7
40°	14599.4	12486.0	5353.1	3948.8	3274.4	2947.7	2739.1	2641.8	2509.7	2405.4	2426.3
42.5°	15134.7	12771.0	5061.1	3962.7	3218.8	2794.7	2537.5	2370.7	2224.7	2113.4	2120.4
45°	15371.1	12743.2	4748.3	3858.4	3086.7	2607.0	2349.8	2189.9	2030.0	1911.8	1897.9
47.5°	15378.0	12472.0	4317.2	3608.1	2864.3	2391.5	2176.0	2002.2	1870.1	1786.7	1779.7
50°	15433.6	12319.1	3914.0	3246.6	2572.3	2162.1	2023.1	1849.3	1772.8	1654.6	1619.8
52.5°	15781.2	12569.4	3635.9	2850.4	2301.1	1995.2	1891.0	1738.0	1612.9	1536.4	1529.5
55°	16344.4	13000.4	3483.0	2551.4	2043.9	1835.4	1765.8	1633.7	1522.5	1446.0	1425.2
57.5°	16413.9	13222.9	3302.2	2273.3	1835.4	1710.2	1682.4	1536.4	1376.5	1320.9	1300.0
60°	*15440.6*	*12847.5*	*3079.8*	*2016.1*	*1682.4*	*1612.9*	*1599.0*	*1404.3*	*1272.2*	*1202.7*	*1174.9*
62.5°	14112.7	11908.9	2739.1	1779.7	1564.2	1515.6	1459.9	1307.0	1140.1	1063.7	1042.8
65°	11533.5	10011.0	2329.0	1619.8	1446.0	1390.4	1376.5	1168.0	1056.7	1015.0	1008.1
67.5°	8738.8	8043.6	2050.9	1501.7	1320.9	1300.0	1251.4	1181.9	1133.2	1084.5	1070.6
70°	6180.4	5805.0	1745.0	1348.7	1195.8	1161.0	1362.6	1286.1	1112.3	1049.8	1042.8
72.5°	3747.2	3642.9	1508.6	1209.7	1028.9	1084.5	1258.3	1161.0	1001.1	924.6	896.8
75°	2363.7	2162.1	1265.3	1028.9	820.3	882.9	1098.4	1035.9	862.1	785.6	764.7
77.5°	1286.1	1195.8	952.4	841.2	646.5	716.1	959.4	855.1	688.3	750.8	667.4
80°	563.1	625.7	632.6	486.6	431.0	528.4	688.3	667.4	528.4	535.3	444.9
82.5°	271.1	354.6	410.2	333.7	243.3	312.8	458.8	382.4	354.6	333.7	319.8
85°	83.4	132.1	180.8	159.9	111.2	132.1	215.5	208.6	250.3	215.5	201.6
87.5°	27.8	27.8	20.9	20.9	20.9	27.8	34.8	20.9	7.0	7.0	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

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CANDELA DISTRIBUTION (continued):

	185°	195°	205°	215°	225°	235°	245°	255°	265°	270°	275°
0°	4908.2	4908.2	4908.2	4908.2	4908.2	4908.2	4908.2	4908.2	4908.2	4908.2	4908.2
2.5°	4803.9	4810.8	4810.8	4817.8	4817.8	4838.7	4866.5	4894.3	4873.4	4901.2	4908.2
5°	4470.2	4505.0	4532.8	4637.0	4720.5	4790.0	4866.5	4936.0	4956.8	4970.7	5005.5
7.5°	3684.6	3781.9	3962.7	4199.1	4463.2	4720.5	4894.3	5075.0	5102.8	5137.6	5186.3
10°	3135.4	3177.1	3302.2	3545.6	4018.3	4525.8	4949.9	5234.9	5353.1	5422.6	5471.3
12.5°	3225.8	3198.0	3177.1	3211.9	3517.8	4171.3	4915.1	5464.3	5686.8	5763.3	5825.9
15°	3441.3	3413.5	3337.0	3239.7	3274.4	3795.8	4796.9	5679.9	6034.4	6159.6	6291.6
17.5°	3566.4	3538.6	3476.0	3371.8	3281.4	3483.0	4574.5	5874.5	6583.6	6736.6	6924.3
20°	3635.9	3608.1	3545.6	3441.3	3337.0	3364.8	4289.4	6117.8	7209.3	7452.6	7730.7
22.5°	3649.8	3615.1	3545.6	3441.3	3378.7	3357.9	4018.3	6263.8	7883.7	8259.1	8578.9
25°	3642.9	3580.3	3489.9	3413.5	3378.7	3371.8	3830.6	6347.3	8613.6	9211.5	9573.0
27.5°	3594.2	3517.8	3427.4	3371.8	3357.9	3399.6	3747.2	6444.6	9468.7	10233.5	10810.5
30°	3538.6	3427.4	3316.1	3295.3	3330.1	3462.1	3816.7	6479.3	10365.6	11345.8	11936.7
32.5°	3392.6	3309.2	3198.0	3191.0	3274.4	3510.8	3976.6	6430.7	11158.1	12458.1	13202.0
35°	3184.1	3135.4	3072.8	3093.7	3225.8	3552.5	4087.8	6277.7	11881.1	13494.0	14363.0
37.5°	2815.6	2850.4	2885.1	2933.8	3100.6	3545.6	4136.5	6034.4	12479.0	14321.3	15433.6
40°	2405.4	2523.6	2634.8	2760.0	2982.4	3489.9	4150.4	5735.5	12826.6	14947.0	16386.1
42.5°	2148.2	2259.4	2398.5	2579.2	2822.5	3364.8	4136.5	5401.8	12937.8	15378.0	16990.9
45°	1911.8	2043.9	2217.7	2405.4	2683.5	3184.1	4011.4	5040.3	12993.5	15579.6	17248.1
47.5°	1786.7	1863.2	2023.1	2210.8	2502.8	2961.6	3768.0	4776.1	12910.0	15621.3	17561.0
50°	1640.7	1745.0	1849.3	2030.0	2315.0	2683.5	3476.0	4623.1	13049.1	16031.5	18054.6
52.5°	1529.5	1585.1	1696.3	1863.2	2071.7	2426.3	3198.0	4498.0	13431.4	16448.6	18569.0
55°	1446.0	1508.6	1578.1	1717.2	1877.1	2169.1	2912.9	4310.3	13876.4	16893.6	19083.5
57.5°	1313.9	1355.7	1453.0	1599.0	1703.3	1918.8	2579.2	4087.8	13841.6	16546.0	18193.6
60°	*1195.8*	*1237.5*	*1341.8*	*1487.7*	*1550.3*	*1696.3*	*2252.5*	*3802.8*	*13174.2*	*15412.8*	*16552.9*
62.5°	1063.7	1112.3	1237.5	1341.8	1397.4	1508.6	1911.8	3281.4	11783.8	13709.5	14634.1
65°	1008.1	1035.9	1119.3	1244.4	1237.5	1341.8	1612.9	2579.2	9482.7	10476.8	11318.0
67.5°	1070.6	1112.3	1098.4	1133.2	1112.3	1168.0	1446.0	2071.7	7452.6	7890.6	8377.3
70°	1056.7	1154.0	1202.7	1133.2	973.3	1035.9	1251.4	1654.6	5332.3	5290.5	5269.7
72.5°	924.6	1022.0	1161.0	1230.5	952.4	862.1	1084.5	1432.1	3420.4	3406.5	3079.8
75°	785.6	855.1	1022.0	1112.3	820.3	695.2	931.6	1216.6	2043.9	2071.7	1849.3
77.5°	723.0	688.3	855.1	980.2	667.4	535.3	750.8	917.7	1126.2	1140.1	1056.7
80°	521.4	500.6	639.6	716.1	507.5	382.4	424.1	570.1	604.8	542.3	563.1
82.5°	333.7	340.7	382.4	458.8	312.8	208.6	292.0	382.4	326.7	264.2	312.8
85°	215.5	243.3	201.6	236.4	97.3	97.3	125.1	166.9	111.2	76.5	83.4
87.5°	0.0	0.0	13.9	27.8	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: P1501459
CATALOG NUMBER: GSS-SB4C-750-U-T2LG

CANDELA DISTRIBUTION (continued):

	285°	293°	295°	305°	315°	325°	335°	345°	355°	360°
0°	4908.2	4908.2	*4908.2*	4908.2	4908.2	4908.2	4908.2	4908.2	4908.2	4908.2
2.5°	4929.0	4922.1	*4922.1*	4936.0	4970.7	4984.6	5005.5	4998.6	5019.4	5005.5
5°	5026.4	5033.3	*5054.2*	5061.1	5082.0	5109.8	5116.7	5109.8	5123.7	5123.7
7.5°	5221.0	5248.8	*5234.9*	5269.7	5241.9	5207.1	5151.5	5109.8	5075.0	5088.9
10°	5547.8	5533.9	*5526.9*	5464.3	5339.2	5158.5	5012.5	4852.6	4824.8	4796.9
12.5°	5909.3	5895.4	*5895.4*	5679.9	5325.3	4949.9	4616.2	4365.9	4282.5	4275.5
15°	6416.8	6326.4	*6243.0*	5791.1	5082.0	4442.4	4053.1	3858.4	3809.7	3809.7
17.5°	7049.4	6813.0	*6674.0*	5707.7	4685.7	4108.7	3879.3	3830.6	3816.7	3851.5
20°	7835.0	7237.1	*7035.5*	5520.0	4539.7	4150.4	4039.2	4046.1	4053.1	4101.7
22.5°	8697.1	7626.4	*7292.7*	5520.0	4685.7	4414.6	4359.0	4435.4	4456.3	4498.0
25°	9656.5	7974.0	*7522.2*	5811.9	5116.7	4915.1	4845.6	4922.1	4977.7	5047.2
27.5°	10734.0	8335.6	*7918.4*	6340.3	5672.9	5547.8	5471.3	5506.1	5582.5	5666.0
30°	11700.4	8940.4	*8523.3*	7146.7	6430.7	6277.7	6145.6	6201.3	6284.7	6340.3
32.5°	12555.5	9677.3	*9322.8*	7994.9	7299.7	7035.5	6889.5	6875.6	7042.5	7000.8
35°	13341.1	10546.3	*10205.7*	8961.2	8182.6	7855.9	7661.2	7911.5	7800.2	7842.0
37.5°	13959.8	11450.1	*11179.0*	9885.9	9100.3	8655.4	8537.2	8843.1	9016.9	9065.5
40°	14467.3	12235.7	*11950.6*	10803.5	9941.5	9614.7	9802.4	10309.9	10289.1	10268.2
42.5°	14856.6	12910.0	*12597.2*	11498.8	10747.9	10810.5	10956.5	11297.1	11380.6	11262.4
45°	15030.4	13334.1	*13083.8*	12048.0	11665.6	12027.1	12089.7	12235.7	12180.1	12103.6
47.5°	15232.0	13709.5	*13445.3*	12548.5	12659.8	13014.3	12889.2	12771.0	12569.4	12451.2
50°	15572.7	14154.5	*13932.0*	13278.5	13681.7	13563.5	13076.9	12812.7	12402.5	12263.5
52.5°	16219.2	14995.7	*14828.8*	14432.5	14161.4	13480.1	12889.2	12416.4	11957.6	11769.9
55°	16796.2	16135.8	*16038.5*	15510.1	14015.4	13042.1	12249.6	11519.6	10734.0	10574.1
57.5°	17129.9	18026.8	*18138.0*	15969.0	13348.0	12048.0	10880.0	9712.1	8968.2	8836.1
60°	*16135.8*	*20070.7*	*20126.3*	*15878.6*	*12145.3*	*10254.3*	*8474.6*	*7647.3*	*6847.8*	*6618.4*
62.5°	14766.2	19646.6	*19597.9*	15336.3	9670.4	7480.4	6437.6	6048.3	5429.6	5241.9
65°	12694.5	16365.2	*16420.8*	13250.7	6430.7	5408.7	5408.7	4915.1	4226.9	4094.8
67.5°	10344.7	12618.0	*12492.9*	8592.8	3948.8	4331.2	4539.7	3830.6	2864.3	2704.4
70°	6722.7	9635.6	*9461.8*	4956.8	2481.9	3608.1	3573.4	2878.2	2050.9	1939.6
72.5°	2892.1	5568.6	*5923.2*	2530.6	1870.1	2906.0	2850.4	2016.1	1369.6	1320.9
75°	1745.0	2801.7	*3052.0*	1612.9	1362.6	2189.9	1974.4	1279.2	931.6	896.8
77.5°	1105.4	1536.4	*1522.5*	1209.7	1022.0	1480.8	1327.8	882.9	632.6	604.8
80°	639.6	757.8	*785.6*	757.8	688.3	1056.7	848.2	639.6	493.6	458.8
82.5°	410.2	472.7	*479.7*	368.5	382.4	681.3	458.8	375.4	285.0	257.2
85°	180.8	201.6	*194.7*	125.1	125.1	278.1	159.9	152.9	111.2	111.2
87.5°	7.0	13.9	*7.0*	7.0	7.0	27.8	13.9	20.9	20.9	20.9
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: SP1-2407-184-6

Test Date: 10/10/2024

Luminaire Tested: GSS-SB1A-750-U-5WQ

Data in this report applies to families of products including GSS-SB1A-750-U-5WQ

Report Generated By FNC07603 / LDUCLS01DT446
Version: v7.04

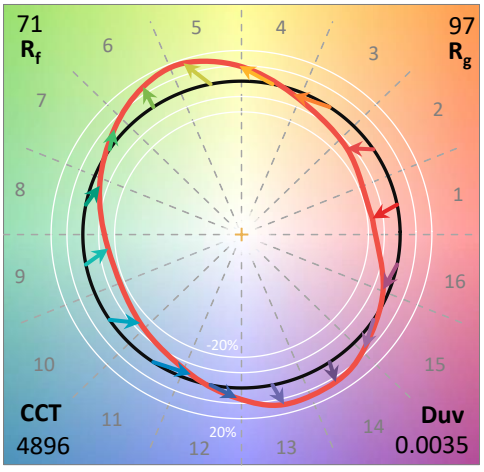
Test Information

Test Method:	LM-79-2019
Report Number:	SP1-2407-184-6
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-750-U-5WQ**
Description:	GALLEON II SITE SLIM 1SQ 350MA 5WQ HIGH DENSITY LIGHTSQUARE WITH 70 CRI 5000K CCT 26 LEDS

Spectral Parameters

CCT (K):	4896
CIE u':	0.2101
CIE v':	0.4901
Duv:	0.0035
CIE x:	0.3489
CIE y:	0.3618
CIE z:	0.2893
Peak Wavelength (nm):	443
Dominant Wavelength (nm):	570
Purity:	13.25435
Rf:	70.7
Rg:	96.8

CRI (Ra):	70.2
R1:	68.1
R2:	73.9
R3:	79.4
R4:	72.1
R5:	69.2
R6:	65.7
R7:	78.1
R8:	55.3
R9:	-35.1
R10:	39.3
R11:	71.1
R12:	43.8
R13:	68.1
R14:	88.4
R15:	59.7



Test Conditions

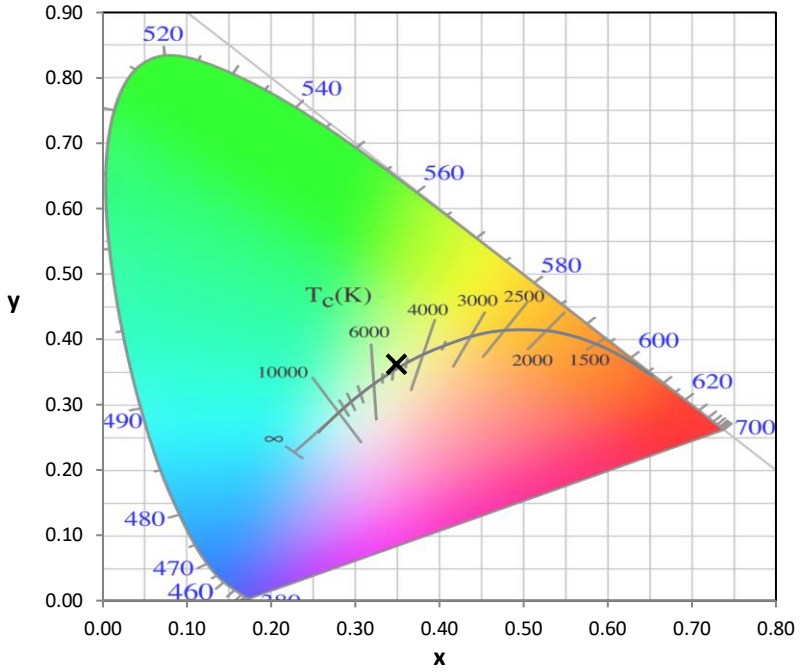
Stabilization Time:	21M
Operation Time:	1H 21M
Sphere Temperature (°C):	25.2

REPORT NUMBER: SP1-2407-184-6

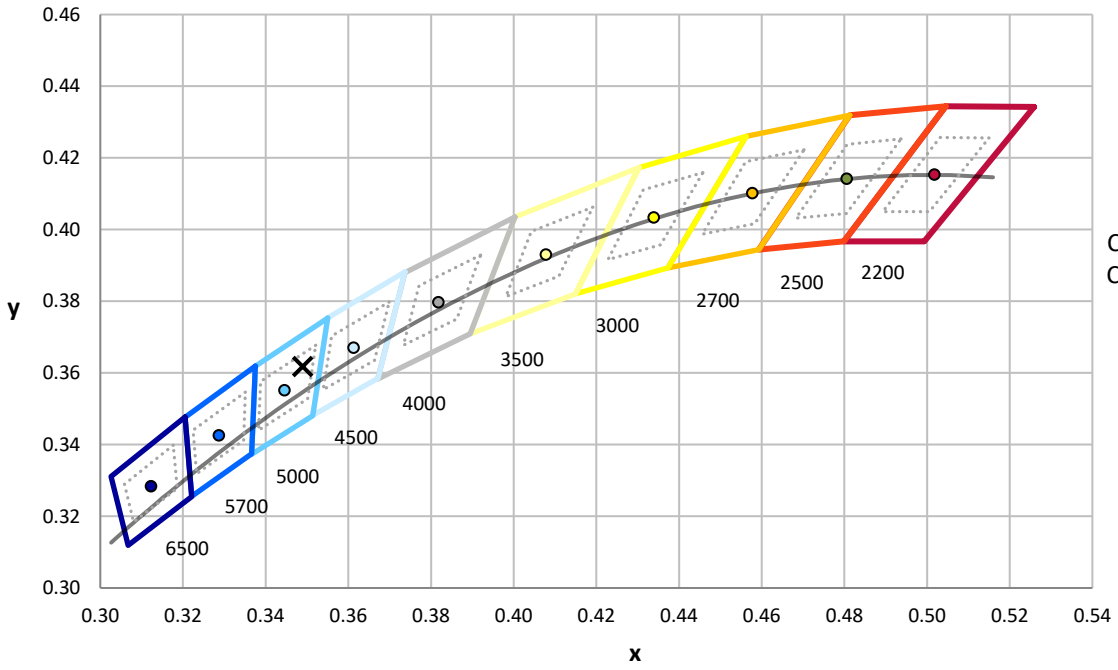
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

REPORT NUMBER: SP1-2407-184-6

CIE 1931 Chromaticity Diagram



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

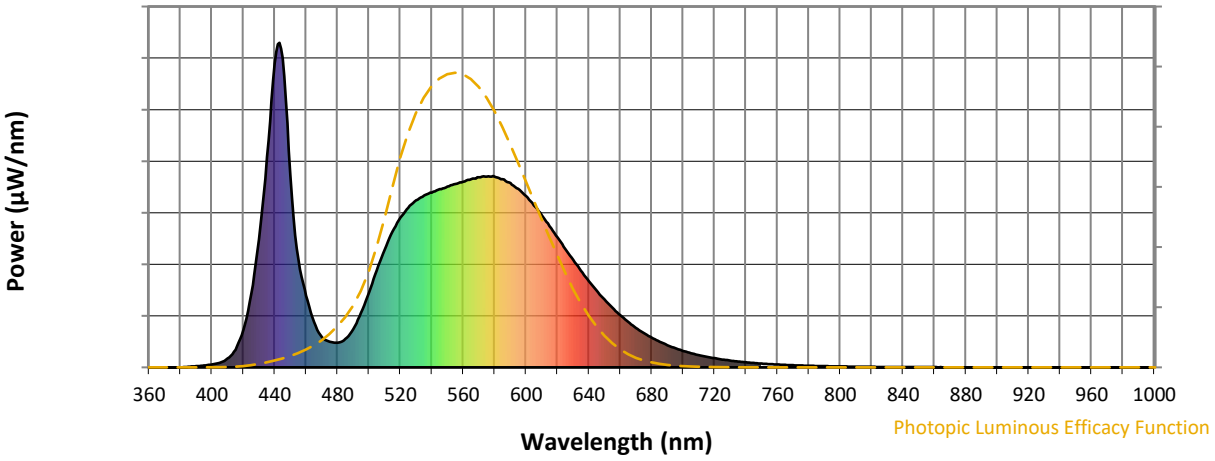


CCT = 4896K
CIE x = 0.3489
CIE y = 0.3618
Duv = 0.0035

Point lies inside the ANSI 5000K 4-step quadrangle

REPORT NUMBER: SP1-2407-184-6

Photopic Flux vs. Wavelength

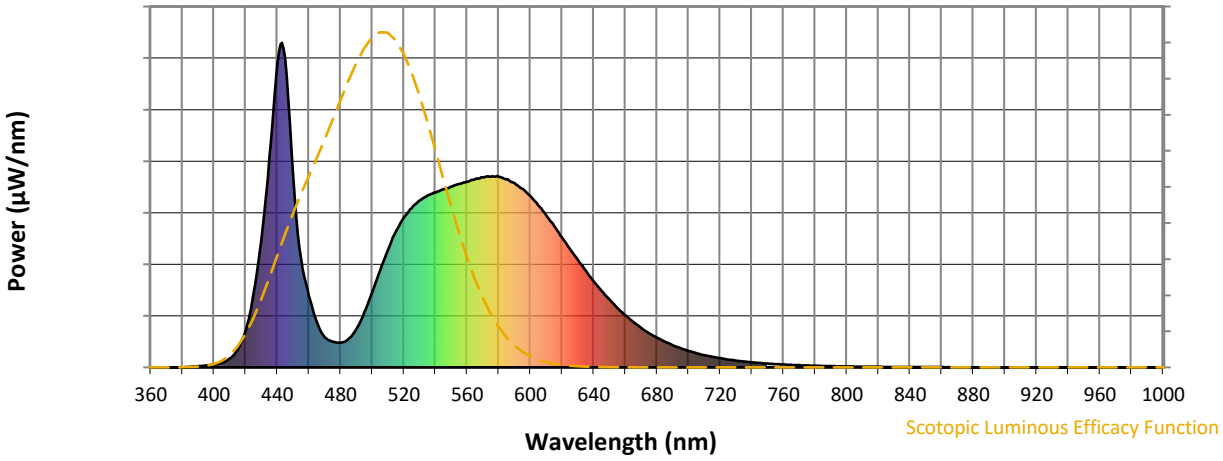


Photopic Lumens: NR

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	118	NR	620	401	NR	750	12	NR	880	0	NR
365	0	NR	495	168	NR	625	365	NR	755	10	NR	885	0	NR
370	0	NR	500	230	NR	630	331	NR	760	9	NR	890	0	NR
375	0	NR	505	299	NR	635	298	NR	765	8	NR	895	0	NR
380	0	NR	510	362	NR	640	266	NR	770	6	NR	900	0	NR
385	2	NR	515	418	NR	645	236	NR	775	6	NR	905	0	NR
390	4	NR	520	461	NR	650	209	NR	780	5	NR	910	0	NR
395	6	NR	525	491	NR	655	184	NR	785	4	NR	915	0	NR
400	9	NR	530	514	NR	660	160	NR	790	4	NR	920	0	NR
405	14	NR	535	530	NR	665	140	NR	795	3	NR	925	0	NR
410	27	NR	540	539	NR	670	122	NR	800	3	NR	930	0	NR
415	55	NR	545	549	NR	675	106	NR	805	2	NR	935	0	NR
420	115	NR	550	557	NR	680	92	NR	810	2	NR	940	0	NR
425	226	NR	555	565	NR	685	79	NR	815	2	NR	945	0	NR
430	395	NR	560	572	NR	690	68	NR	820	2	NR	950	0	NR
435	648	NR	565	580	NR	695	59	NR	825	1	NR	955	0	NR
440	937	NR	570	586	NR	700	51	NR	830	1	NR	960	0	NR
445	953	NR	575	588	NR	705	44	NR	835	1	NR	965	0	NR
450	591	NR	580	588	NR	710	38	NR	840	1	NR	970	0	NR
455	334	NR	585	580	NR	715	32	NR	845	1	NR	975	0	NR
460	221	NR	590	568	NR	720	28	NR	850	1	NR	980	0	NR
465	140	NR	595	550	NR	725	24	NR	855	1	NR	985	0	NR
470	93	NR	600	527	NR	730	21	NR	860	1	NR	990	0	NR
475	79	NR	605	499	NR	735	18	NR	865	0	NR	995	0	NR
480	76	NR	610	469	NR	740	15	NR	870	0	NR	1000	0	NR
485	87	NR	615	435	NR	745	13	NR	875	0	NR			

REPORT NUMBER: SP1-2407-184-6

Scotopic Flux vs. Wavelength

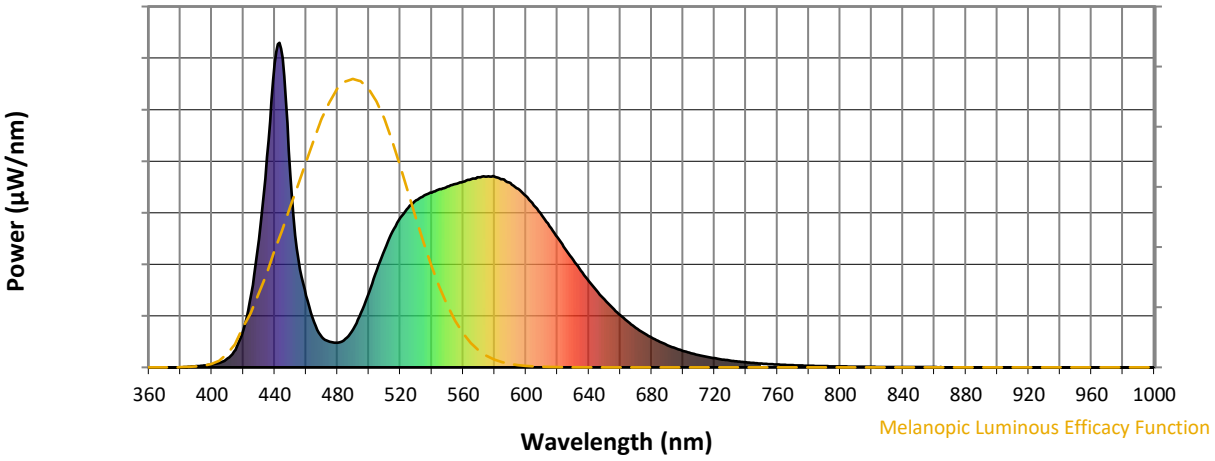


Scotopic Lumens: NR **S/P: 1.7**

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	118	NR	620	401	NR	750	12	NR	880	0	NR
365	0	NR	495	168	NR	625	365	NR	755	10	NR	885	0	NR
370	0	NR	500	230	NR	630	331	NR	760	9	NR	890	0	NR
375	0	NR	505	299	NR	635	298	NR	765	8	NR	895	0	NR
380	0	NR	510	362	NR	640	266	NR	770	6	NR	900	0	NR
385	2	NR	515	418	NR	645	236	NR	775	6	NR	905	0	NR
390	4	NR	520	461	NR	650	209	NR	780	5	NR	910	0	NR
395	6	NR	525	491	NR	655	184	NR	785	4	NR	915	0	NR
400	9	NR	530	514	NR	660	160	NR	790	4	NR	920	0	NR
405	14	NR	535	530	NR	665	140	NR	795	3	NR	925	0	NR
410	27	NR	540	539	NR	670	122	NR	800	3	NR	930	0	NR
415	55	NR	545	549	NR	675	106	NR	805	2	NR	935	0	NR
420	115	NR	550	557	NR	680	92	NR	810	2	NR	940	0	NR
425	226	NR	555	565	NR	685	79	NR	815	2	NR	945	0	NR
430	395	NR	560	572	NR	690	68	NR	820	2	NR	950	0	NR
435	648	NR	565	580	NR	695	59	NR	825	1	NR	955	0	NR
440	937	NR	570	586	NR	700	51	NR	830	1	NR	960	0	NR
445	953	NR	575	588	NR	705	44	NR	835	1	NR	965	0	NR
450	591	NR	580	588	NR	710	38	NR	840	1	NR	970	0	NR
455	334	NR	585	580	NR	715	32	NR	845	1	NR	975	0	NR
460	221	NR	590	568	NR	720	28	NR	850	1	NR	980	0	NR
465	140	NR	595	550	NR	725	24	NR	855	1	NR	985	0	NR
470	93	NR	600	527	NR	730	21	NR	860	1	NR	990	0	NR
475	79	NR	605	499	NR	735	18	NR	865	0	NR	995	0	NR
480	76	NR	610	469	NR	740	15	NR	870	0	NR	1000	0	NR
485	87	NR	615	435	NR	745	13	NR	875	0	NR			

REPORT NUMBER: SP1-2407-184-6

Melanopic Flux vs. Wavelength



Melanopic Lumens: NR **M/P: 3.37**

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	118	NR	620	401	NR	750	12	NR	880	0	NR
365	0	NR	495	168	NR	625	365	NR	755	10	NR	885	0	NR
370	0	NR	500	230	NR	630	331	NR	760	9	NR	890	0	NR
375	0	NR	505	299	NR	635	298	NR	765	8	NR	895	0	NR
380	0	NR	510	362	NR	640	266	NR	770	6	NR	900	0	NR
385	2	NR	515	418	NR	645	236	NR	775	6	NR	905	0	NR
390	4	NR	520	461	NR	650	209	NR	780	5	NR	910	0	NR
395	6	NR	525	491	NR	655	184	NR	785	4	NR	915	0	NR
400	9	NR	530	514	NR	660	160	NR	790	4	NR	920	0	NR
405	14	NR	535	530	NR	665	140	NR	795	3	NR	925	0	NR
410	27	NR	540	539	NR	670	122	NR	800	3	NR	930	0	NR
415	55	NR	545	549	NR	675	106	NR	805	2	NR	935	0	NR
420	115	NR	550	557	NR	680	92	NR	810	2	NR	940	0	NR
425	226	NR	555	565	NR	685	79	NR	815	2	NR	945	0	NR
430	395	NR	560	572	NR	690	68	NR	820	2	NR	950	0	NR
435	648	NR	565	580	NR	695	59	NR	825	1	NR	955	0	NR
440	937	NR	570	586	NR	700	51	NR	830	1	NR	960	0	NR
445	953	NR	575	588	NR	705	44	NR	835	1	NR	965	0	NR
450	591	NR	580	588	NR	710	38	NR	840	1	NR	970	0	NR
455	334	NR	585	580	NR	715	32	NR	845	1	NR	975	0	NR
460	221	NR	590	568	NR	720	28	NR	850	1	NR	980	0	NR
465	140	NR	595	550	NR	725	24	NR	855	1	NR	985	0	NR
470	93	NR	600	527	NR	730	21	NR	860	1	NR	990	0	NR
475	79	NR	605	499	NR	735	18	NR	865	0	NR	995	0	NR
480	76	NR	610	469	NR	740	15	NR	870	0	NR	1000	0	NR
485	87	NR	615	435	NR	745	13	NR	875	0	NR			

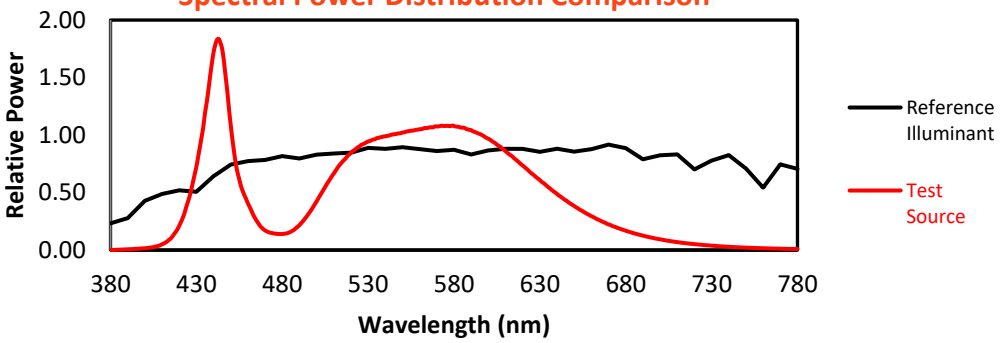
REPORT NUMBER: SP1-2407-184-6

TM-30-18

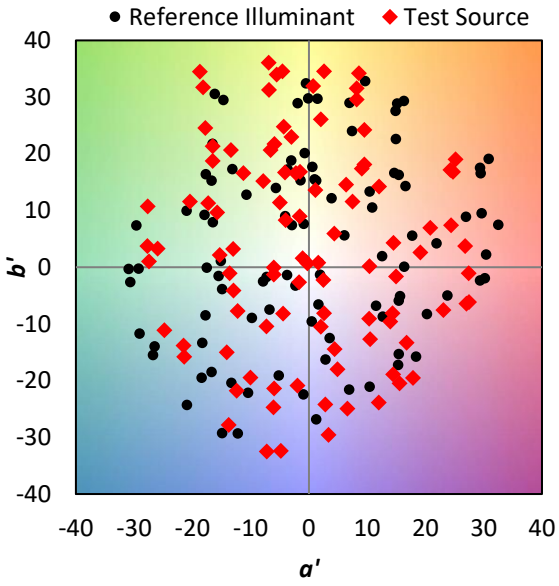
Summary

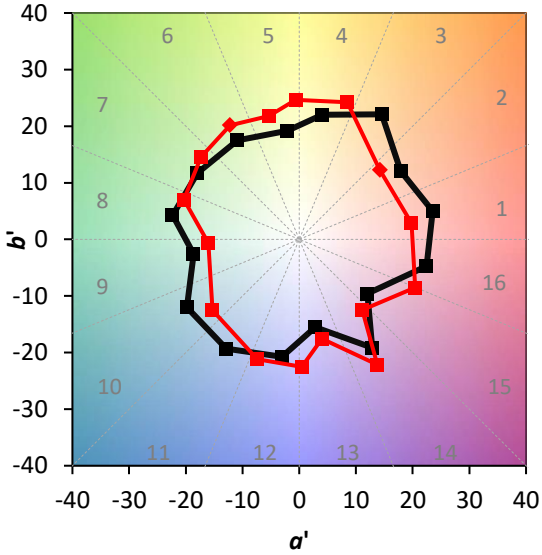
R_f = 70.7
R_g = 96.8
CIE R_a = 70.2
R_9 = -35.1

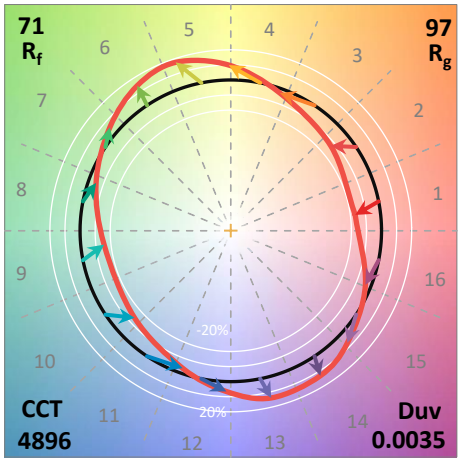
Spectral Power Distribution Comparison

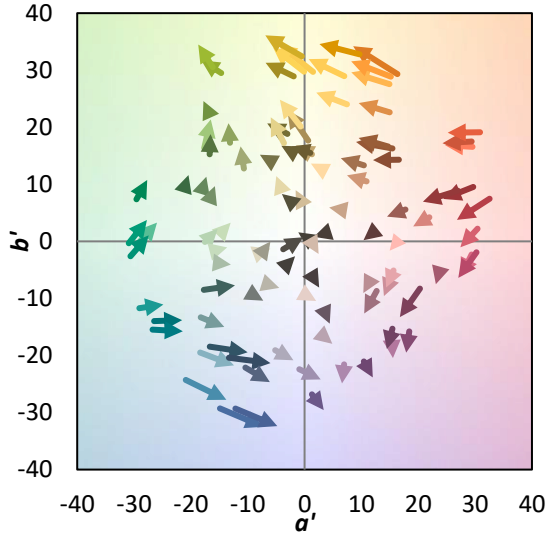


Color Vector Graphics







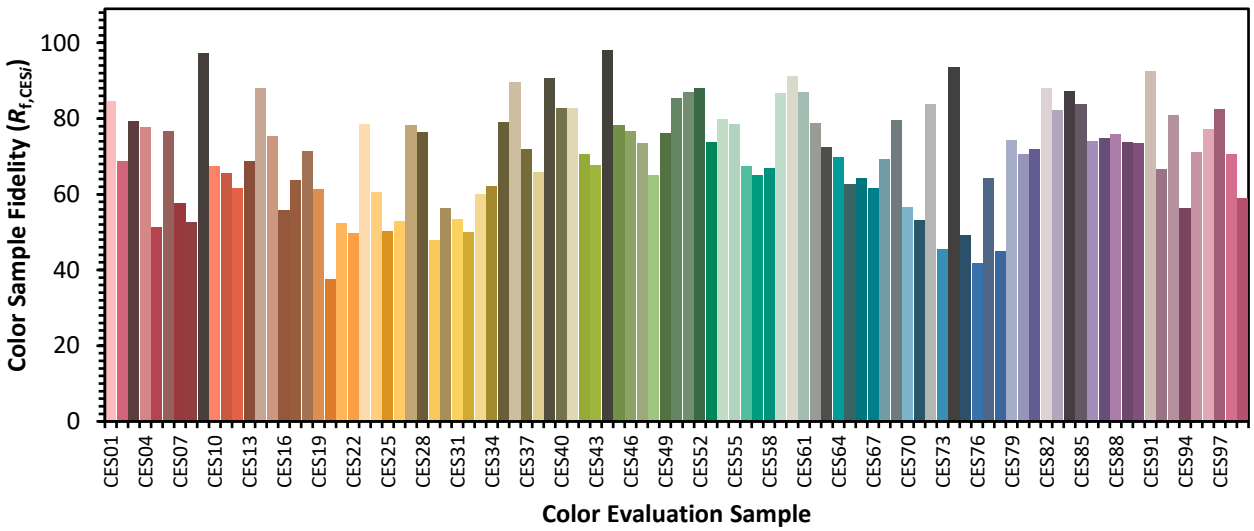


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Individual Sample Fidelity Index ($R_{f,i}$)

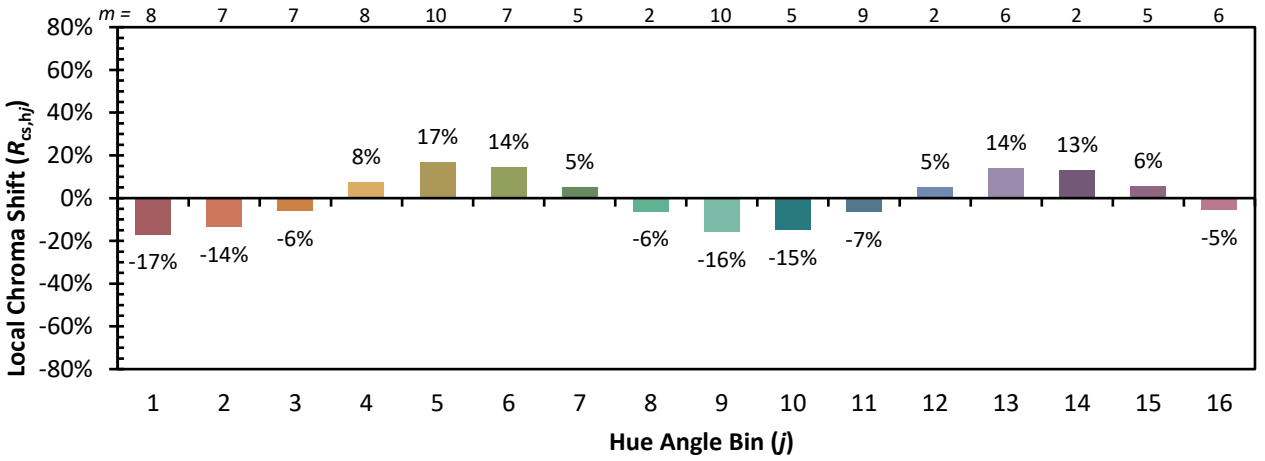
CES01 = 85	CES26 = 53	CES51 = 87	CES76 = 42
CES02 = 59	CES27 = 78	CES52 = 88	CES77 = 64
CES03 = 30	CES28 = 76	CES53 = 74	CES78 = 45
CES04 = 69	CES29 = 48	CES54 = 80	CES79 = 74
CES05 = 46	CES30 = 56	CES55 = 79	CES80 = 71
CES06 = 50	CES31 = 54	CES56 = 68	CES81 = 72
CES07 = 39	CES32 = 50	CES57 = 65	CES82 = 88
CES08 = 38	CES33 = 60	CES58 = 67	CES83 = 82
CES09 = 29	CES34 = 62	CES59 = 87	CES84 = 87
CES10 = 72	CES35 = 79	CES60 = 91	CES85 = 84
CES11 = 56	CES36 = 90	CES61 = 87	CES86 = 74
CES12 = 61	CES37 = 72	CES62 = 79	CES87 = 75
CES13 = 41	CES38 = 66	CES63 = 72	CES88 = 76
CES14 = 74	CES39 = 91	CES64 = 70	CES89 = 74
CES15 = 70	CES40 = 83	CES65 = 63	CES90 = 73
CES16 = 46	CES41 = 83	CES66 = 64	CES91 = 92
CES17 = 49	CES42 = 70	CES67 = 62	CES92 = 67
CES18 = 55	CES43 = 68	CES68 = 69	CES93 = 81
CES19 = 71	CES44 = 98	CES69 = 80	CES94 = 56
CES20 = 64	CES45 = 78	CES70 = 56	CES95 = 71
CES21 = 85	CES46 = 77	CES71 = 53	CES96 = 77
CES22 = 77	CES47 = 73	CES72 = 84	CES97 = 82
CES23 = 91	CES48 = 65	CES73 = 46	CES98 = 71
CES24 = 90	CES49 = 76	CES74 = 94	CES99 = 59
CES25 = 71	CES50 = 85	CES75 = 49	

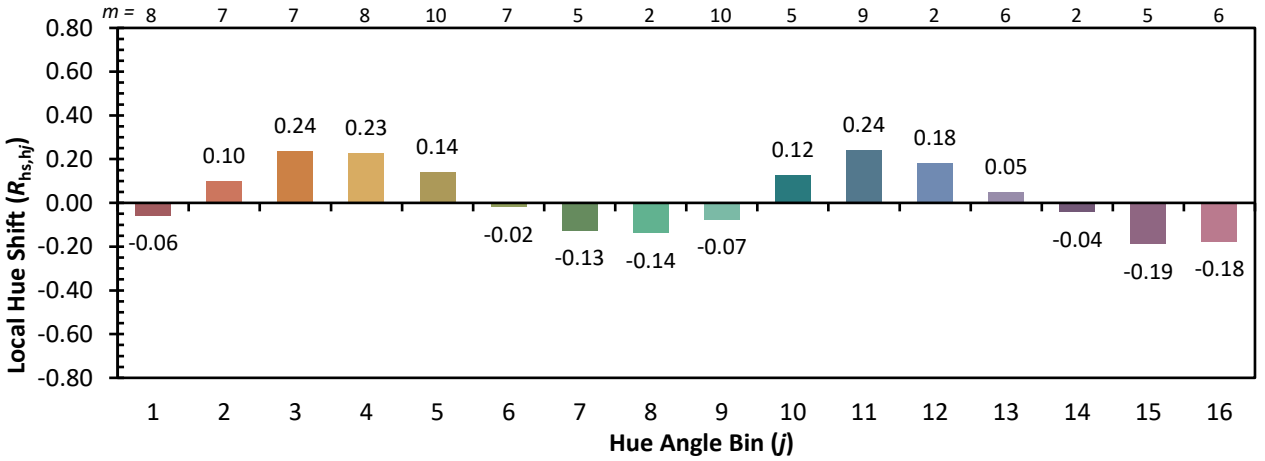


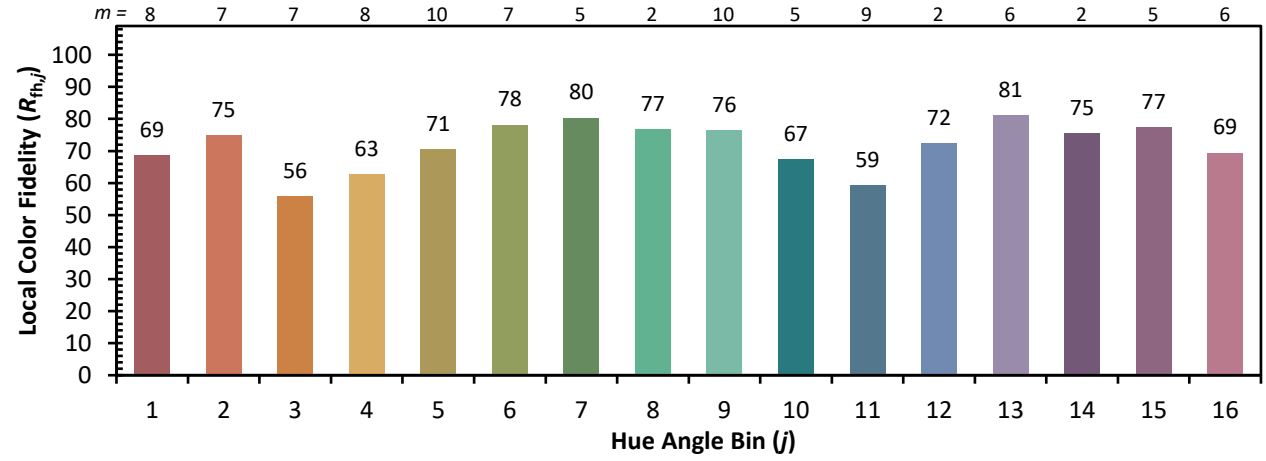
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Color Rendition by Hue-Angle Bin



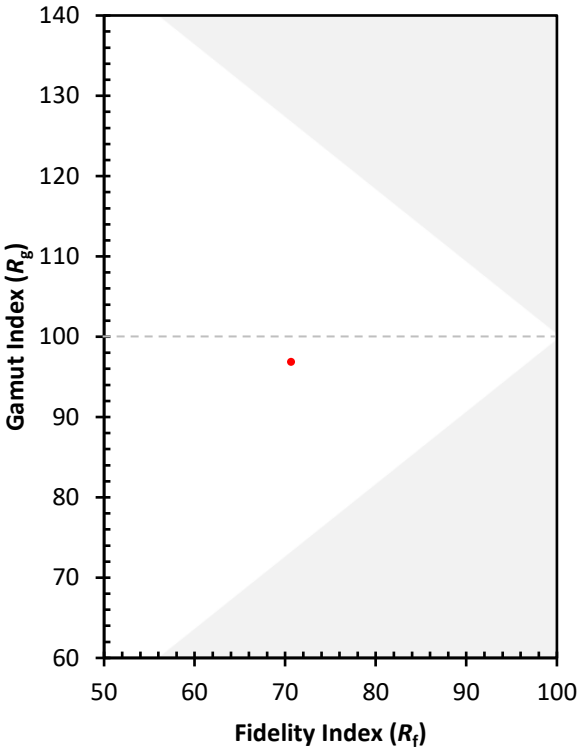


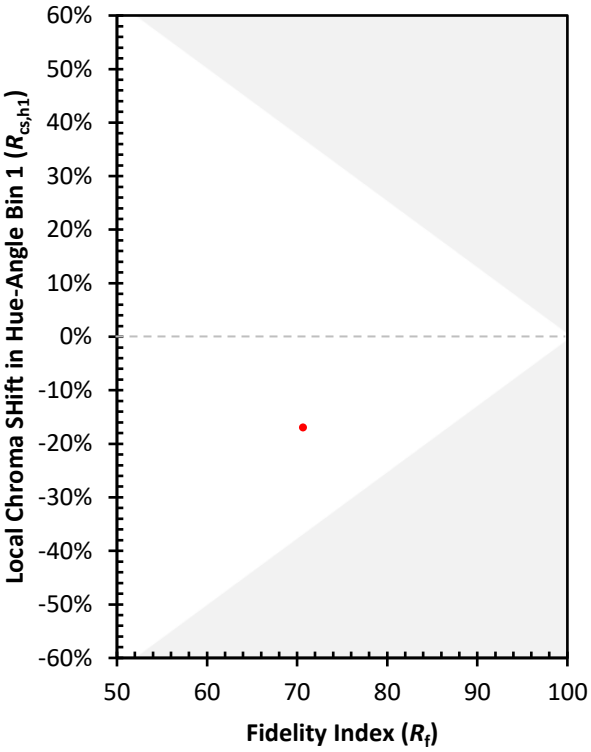


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Measure Comparisons





(END OF REPORT)