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: P1501534

Luminaire Tested: GSS-SB5B-830-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:	P1501534
Test Lab:	INNOVATION CENTER(G1)
Issue Date:	7/20/2026
Manufacturer:	COOPER LIGHTING SOLUTIONS
Product Line:	McGRAW-EDISON
Catalog Number:	GSS-SB5B-830-U-T2LG
Description:	GALLEON II SLIM SITE HIGH DENSITY LED ARRAYS 5SQUARE 184W 80CRI 3000K FIXTURE w/ TYPE II LOW GLARE DISTRIBUTION FIXTURE
Light Source:	(130) 3000K CCT, 80 CRI LEDS
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	24535.6 lumens
Efficiency:	N/A
Efficacy:	133.3 lumens/watt
Luminous Opening:	Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification:	Type II - Short
BUG Rating:	B3 - U0 - G3

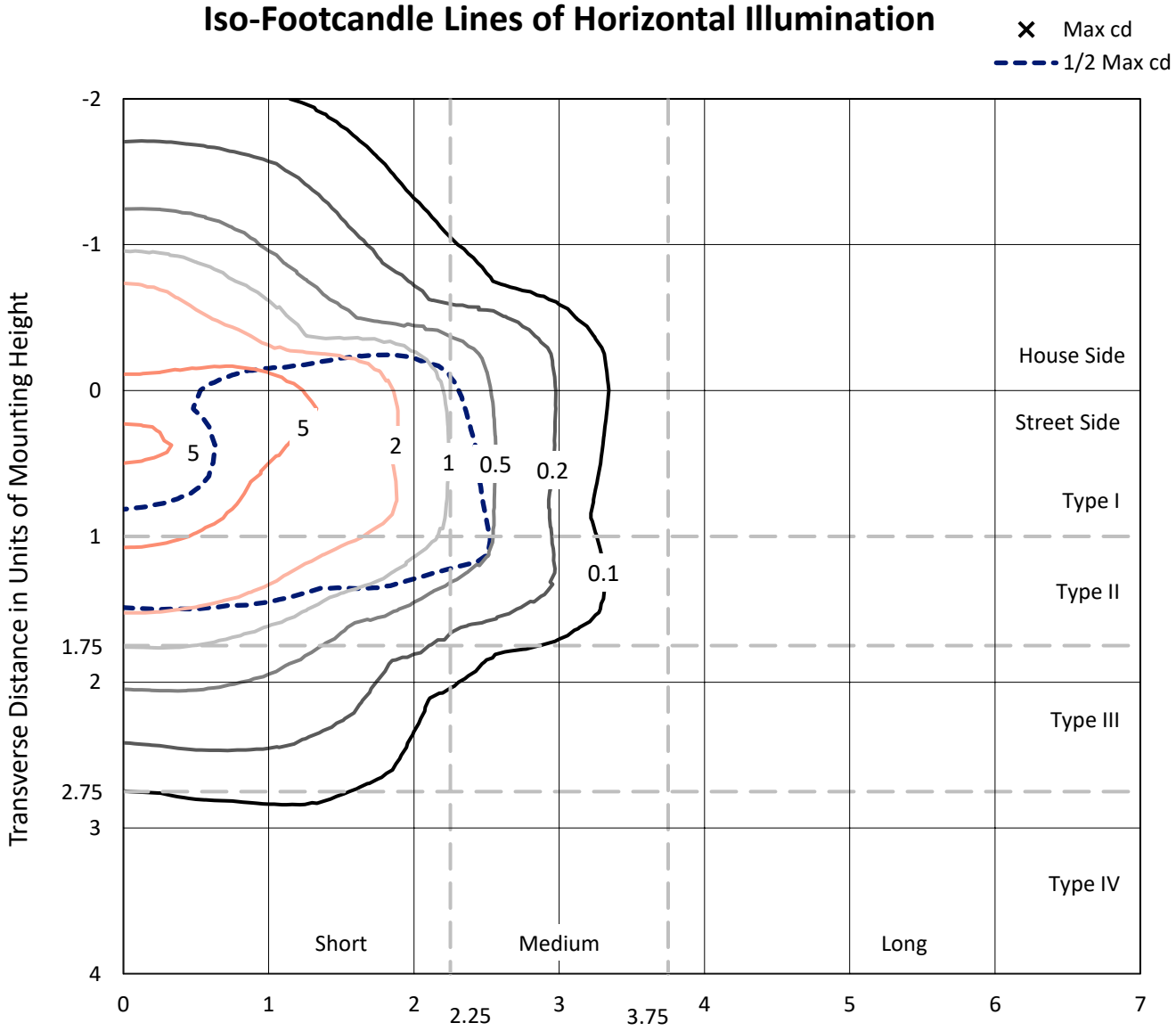
Input Watts (W):	184
Input Voltage (V):	120
Input Current (Ain):	NR
Voltage Rise (V):	NR
Power Factor:	0.98
Total Harmonic Distortion (THDi):	11.1%
Frequency (hertz):	60
Stabilization Time:	NR
Operation Time:	NR
Ambient Temperature (°C):	NR
Test Distance:	28.75 FT

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Iso-Footcandle Lines of Horizontal Illumination



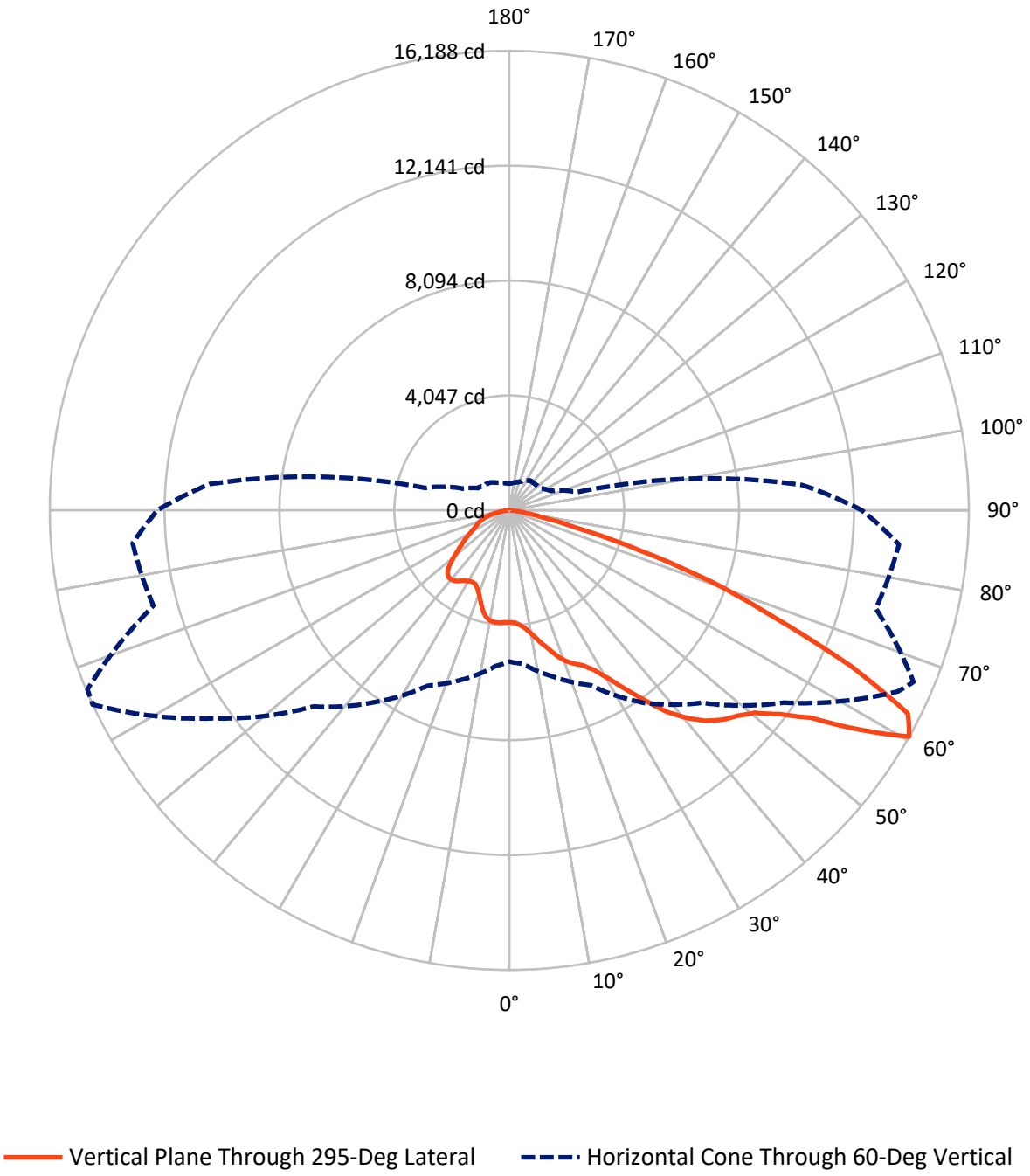
Based on 25 foot mounting height. Maximum calculated value = 9.5 fc
Type II - Short - N/A

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Luminous Intensity Polar Plot



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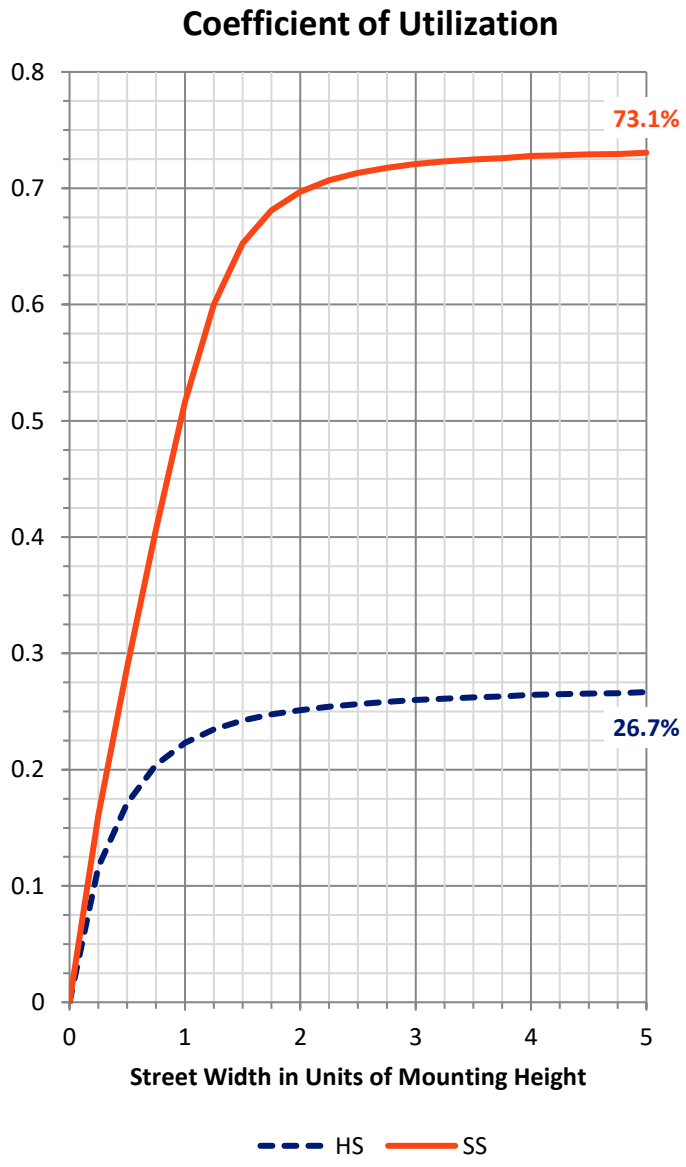
REPORT NUMBER: P1501534
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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	6597.9	0.0	6597.9
	% Fixture	26.9	0.0	26.9
Street Side	Lumens	17937.7	0.0	17937.7
	% Fixture	73.1	0.0	73.1
Total	Lumens	24535.6	0.0	24535.6
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	371.2	1.5
10°-20°	1067.0	4.3
20°-30°	2021.1	8.2
30°-40°	3563.1	14.5
40°-50°	5269.4	21.5
50°-60°	6187.7	25.2
60°-70°	4483.3	18.3
70°-80°	1382.6	5.6
80°-90°	190.3	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°	24535.6	100.0
0°-180°	24535.6	100.0



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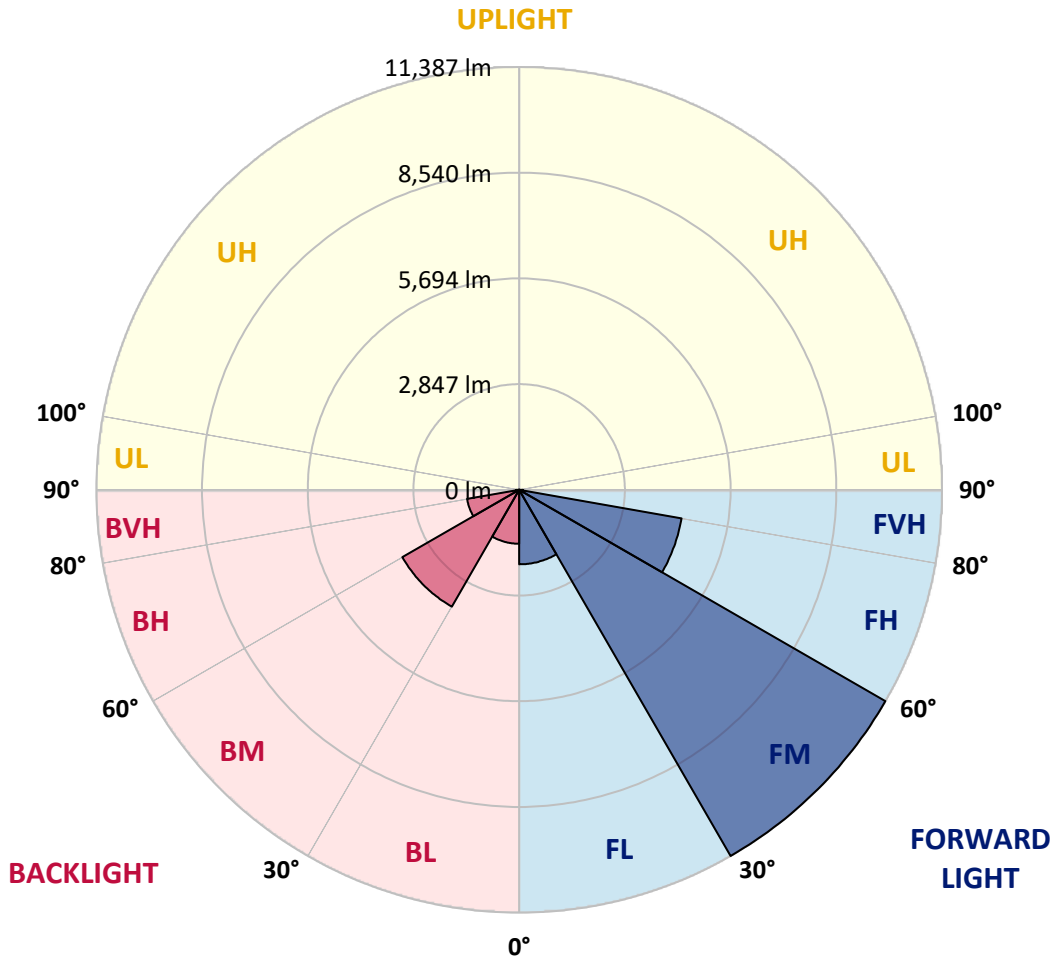
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	2006.2	8.2			
FM	(30°-60°)	11387.1	46.4			
FH	(60°-80°)	4441.7	18.1			G2/5000
FVH	(80°-90°)	102.7	0.4			G2/225
BL	(0°-30°)	1453.1	5.9	B3/2500		
BM	(30°-60°)	3633.0	14.8	B3/5000		
BH	(60°-80°)	1424.2	5.8	B3/2500		G3/2500
BVH	(80°-90°)	87.7	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°	3947.7	3947.7	3947.7	3947.7	3947.7	3947.7	3947.7	3947.7	3947.7	3947.7	3947.7
2.5°	4025.9	4037.1	4020.4	4031.5	4031.5	4014.8	4009.2	3986.8	3998.0	3992.4	3986.8
5°	4121.0	4126.6	4115.4	4132.2	4132.2	4137.8	4132.2	4104.2	4104.2	4104.2	4093.0
7.5°	4093.0	4093.0	4098.6	4154.6	4210.5	4283.2	4283.2	4272.0	4283.2	4277.6	4227.2
10°	3858.2	3880.6	3930.9	4070.7	4204.9	4361.4	4467.7	4501.2	4501.2	4506.8	4423.0
12.5°	3438.8	3455.6	3573.0	3785.5	4065.1	4350.3	4607.5	4775.2	4792.0	4820.0	4708.1
15°	3064.2	3075.4	3159.3	3377.3	3696.0	4199.3	4685.8	5032.4	5088.4	5205.8	5038.0
17.5°	3097.7	3092.2	3114.5	3198.4	3427.6	3953.3	4669.0	5334.4	5435.0	5641.9	5496.5
20°	3299.0	3299.0	3315.8	3332.6	3416.5	3774.3	4546.0	5580.4	5776.1	6178.7	6011.0
22.5°	3617.8	3617.8	3612.2	3640.1	3640.1	3852.6	4551.6	5764.9	6055.7	6777.0	6614.9
25°	4059.5	4037.1	4037.1	4048.3	3998.0	4149.0	4691.3	5955.0	6335.3	7487.1	7347.4
27.5°	4557.1	4573.9	4562.7	4523.6	4456.5	4573.9	5026.8	6251.4	6648.4	8236.4	8180.5
30°	5099.5	5105.1	5116.3	5093.9	5038.0	5121.9	5552.5	6698.7	7062.2	9019.2	9142.3
32.5°	5630.7	5709.0	5681.1	5625.1	5647.5	5798.5	6201.1	7302.6	7677.3	9746.1	10182.3
35°	6307.3	6335.3	6447.1	6240.2	6245.8	6503.0	7028.6	8096.6	8460.1	10501.0	11222.3
37.5°	7291.4	7341.8	7291.4	6967.1	6916.8	7274.7	7833.8	8879.5	9142.3	11071.4	12189.7
40°	8258.8	8320.3	8404.2	8023.9	7705.2	8001.6	8594.3	9477.8	9751.7	11384.5	12832.7
42.5°	9058.4	9159.0	9069.6	8957.7	8667.0	8722.9	9125.5	9941.9	10215.8	11781.5	13481.3
45°	9735.0	9751.7	9790.9	9712.6	9567.2	9516.9	9578.4	10350.0	10652.0	11960.4	13800.1
47.5°	10014.5	10087.2	10120.8	10255.0	10406.0	10305.3	9964.2	10540.2	10814.1	11949.2	13900.7
50°	9863.6	9936.3	10115.2	10433.9	10797.4	10976.3	10417.1	10803.0	11110.5	12150.5	14107.6
52.5°	9466.6	9544.9	9835.6	10199.1	10808.6	11216.7	11054.6	11350.9	11647.3	12508.4	14454.3
55°	8504.8	8622.2	9030.4	9634.3	10473.1	11088.1	11725.6	12156.1	12480.4	12938.9	14812.1
57.5°	7106.9	7229.9	7688.4	8594.3	9852.4	10556.9	11921.3	13665.9	13811.2	13453.4	14845.7
60°	*5323.2*	*5423.8*	*6072.5*	*6799.4*	*8275.6*	*9584.0*	*11809.4*	*15097.3*	*15466.3*	*13363.9*	*13777.7*
62.5°	4216.1	4339.1	4915.0	5250.5	6307.3	7917.7	11418.0	15494.3	15813.0	12625.8	12290.3
65°	3293.4	3377.3	3914.1	4395.0	4652.2	5407.1	9785.3	13554.0	13839.2	11423.6	10143.2
67.5°	2175.1	2303.7	2941.2	3601.0	3735.2	3438.8	6732.3	10428.3	10562.5	9080.7	7626.9
70°	1560.1	1621.6	2096.8	2801.4	3002.7	2303.7	3668.1	7895.3	7934.5	6094.8	5138.7
72.5°	1062.4	1073.6	1425.9	2147.2	2393.2	1671.9	2018.6	5200.2	5066.0	3008.3	2941.2
75°	721.3	732.5	911.4	1431.4	1694.3	1163.1	1314.0	2834.9	2723.1	1660.7	1783.7
77.5°	486.5	497.7	626.3	961.8	1129.5	805.2	961.8	1498.5	1470.6	1101.5	956.2
80°	369.0	385.8	464.1	615.1	788.4	469.7	548.0	710.1	721.3	587.1	486.5
82.5°	206.9	229.3	279.6	313.1	508.8	262.8	262.8	425.0	408.2	363.5	262.8
85°	89.5	95.1	111.8	117.4	206.9	111.8	95.1	184.5	190.1	178.9	83.9
87.5°	16.8	16.8	16.8	16.8	16.8	16.8	16.8	22.4	22.4	22.4	22.4
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°	3947.7	3947.7	3947.7	3947.7	3947.7	3947.7	3947.7	3947.7	3947.7	3947.7	3947.7
2.5°	3958.8	3992.4	3958.8	3942.1	3942.1	3914.1	3902.9	3902.9	3863.8	3880.6	3869.4
5°	4048.3	4059.5	4020.4	3970.0	3902.9	3847.0	3768.7	3668.1	3606.6	3601.0	3606.6
7.5°	4188.1	4193.7	4087.5	3975.6	3807.9	3606.6	3366.1	3170.4	2997.1	2969.1	3002.7
10°	4383.8	4372.6	4216.1	3953.3	3601.0	3176.0	2807.0	2628.0	2527.4	2521.8	2516.2
12.5°	4646.6	4573.9	4333.5	3858.2	3243.1	2751.1	2560.9	2549.8	2577.7	2600.1	2605.7
15°	4948.6	4853.5	4428.5	3673.7	2879.7	2594.5	2605.7	2700.7	2734.3	2756.7	2756.7
17.5°	5323.2	5200.2	4534.8	3410.9	2695.1	2628.0	2706.3	2795.8	2851.7	2874.1	2868.5
20°	5820.8	5563.6	4618.7	3159.3	2644.8	2684.0	2751.1	2840.5	2896.4	2924.4	2924.4
22.5°	6318.5	5999.8	4635.4	2985.9	2644.8	2689.6	2751.1	2840.5	2902.0	2930.0	2924.4
25°	6995.1	6558.9	4641.0	2862.9	2650.4	2661.6	2717.5	2795.8	2885.3	2913.2	2924.4
27.5°	7716.4	7174.0	4669.0	2834.9	2628.0	2622.5	2661.6	2734.3	2823.8	2896.4	2902.0
30°	8611.1	7867.4	4680.2	2862.9	2633.6	2560.9	2588.9	2661.6	2756.7	2829.3	2851.7
32.5°	9488.9	8510.4	4657.8	2924.4	2644.8	2521.8	2527.4	2572.1	2672.8	2723.1	2762.2
35°	10417.1	9192.6	4618.7	3008.3	2650.4	2505.0	2454.7	2477.1	2544.2	2549.8	2566.5
37.5°	11144.0	9701.4	4501.2	3120.1	2661.6	2443.5	2342.9	2326.1	2298.1	2242.2	2253.4
40°	11742.3	10042.5	4305.5	3176.0	2633.6	2370.8	2203.1	2124.8	2018.6	1934.7	1951.5
42.5°	12172.9	10271.8	4070.7	3187.2	2588.9	2247.8	2040.9	1906.7	1789.3	1699.8	1705.4
45°	12363.0	10249.4	3819.1	3103.3	2482.7	2096.8	1890.0	1761.4	1632.7	1537.7	1526.5
47.5°	12368.6	10031.3	3472.4	2902.0	2303.7	1923.5	1750.2	1610.4	1504.1	1437.0	1431.4
50°	12413.3	9908.3	3148.1	2611.3	2068.9	1739.0	1627.2	1487.4	1425.9	1330.8	1302.8
52.5°	12692.9	10109.6	2924.4	2292.6	1850.8	1604.8	1520.9	1397.9	1297.2	1235.7	1230.2
55°	13145.8	10456.3	2801.4	2052.1	1643.9	1476.2	1420.3	1314.0	1224.6	1163.1	1146.3
57.5°	13201.8	10635.2	2656.0	1828.5	1476.2	1375.5	1353.2	1235.7	1107.1	1062.4	1045.6
60°	*12418.9*	*10333.3*	*2477.1*	*1621.6*	*1353.2*	*1297.2*	*1286.1*	*1129.5*	*1023.3*	*967.3*	*945.0*
62.5°	11350.9	9578.4	2203.1	1431.4	1258.1	1219.0	1174.2	1051.2	917.0	855.5	838.7
65°	9276.5	8051.9	1873.2	1302.8	1163.1	1118.3	1107.1	939.4	849.9	816.4	810.8
67.5°	7028.6	6469.5	1649.5	1207.8	1062.4	1045.6	1006.5	950.6	911.4	872.3	861.1
70°	4970.9	4669.0	1403.5	1084.8	961.8	933.8	1096.0	1034.4	894.7	844.3	838.7
72.5°	3013.9	2930.0	1213.4	972.9	827.6	872.3	1012.1	933.8	805.2	743.7	721.3
75°	1901.1	1739.0	1017.7	827.6	659.8	710.1	883.5	833.1	693.4	631.9	615.1
77.5°	1034.4	961.8	766.0	676.6	520.0	575.9	771.6	687.8	553.6	603.9	536.8
80°	452.9	503.2	508.8	391.4	346.7	425.0	553.6	536.8	425.0	430.6	357.9
82.5°	218.1	285.2	329.9	268.4	195.7	251.6	369.0	307.5	285.2	268.4	257.2
85°	67.1	106.2	145.4	128.6	89.5	106.2	173.3	167.7	201.3	173.3	162.2
87.5°	22.4	22.4	16.8	16.8	16.8	22.4	28.0	16.8	5.6	5.6	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°	3947.7	3947.7	3947.7	3947.7	3947.7	3947.7	3947.7	3947.7	3947.7	3947.7	3947.7
2.5°	3863.8	3869.4	3869.4	3875.0	3875.0	3891.7	3914.1	3936.5	3919.7	3942.1	3947.7
5°	3595.4	3623.4	3645.7	3729.6	3796.7	3852.6	3914.1	3970.0	3986.8	3998.0	4025.9
7.5°	2963.5	3041.8	3187.2	3377.3	3589.8	3796.7	3936.5	4081.9	4104.2	4132.2	4171.3
10°	2521.8	2555.4	2656.0	2851.7	3231.9	3640.1	3981.2	4210.5	4305.5	4361.4	4400.6
12.5°	2594.5	2572.1	2555.4	2583.3	2829.3	3355.0	3953.3	4395.0	4573.9	4635.4	4685.8
15°	2767.8	2745.5	2684.0	2605.7	2633.6	3053.0	3858.2	4568.3	4853.5	4954.2	5060.4
17.5°	2868.5	2846.1	2795.8	2711.9	2639.2	2801.4	3679.3	4724.9	5295.2	5418.3	5569.2
20°	2924.4	2902.0	2851.7	2767.8	2684.0	2706.3	3450.0	4920.6	5798.5	5994.2	6217.9
22.5°	2935.6	2907.6	2851.7	2767.8	2717.5	2700.7	3231.9	5038.0	6340.9	6642.8	6900.0
25°	2930.0	2879.7	2807.0	2745.5	2717.5	2711.9	3081.0	5105.1	6928.0	7408.9	7699.6
27.5°	2890.9	2829.3	2756.7	2711.9	2700.7	2734.3	3013.9	5183.4	7615.8	8230.8	8694.9
30°	2846.1	2756.7	2667.2	2650.4	2678.4	2784.6	3069.8	5211.4	8337.1	9125.5	9600.8
32.5°	2728.7	2661.6	2572.1	2566.5	2633.6	2823.8	3198.4	5172.2	8974.5	10020.1	10618.4
35°	2560.9	2521.8	2471.5	2488.3	2594.5	2857.3	3287.9	5049.2	9556.0	10853.3	11552.2
37.5°	2264.6	2292.6	2320.5	2359.7	2493.9	2851.7	3327.0	4853.5	10036.9	11518.7	12413.3
40°	1934.7	2029.7	2119.2	2219.9	2398.8	2807.0	3338.2	4613.1	10316.5	12021.9	13179.4
42.5°	1727.8	1817.3	1929.1	2074.5	2270.2	2706.3	3327.0	4344.7	10406.0	12368.6	13665.9
45°	1537.7	1643.9	1783.7	1934.7	2158.4	2560.9	3226.3	4053.9	10450.7	12530.8	13872.7
47.5°	1437.0	1498.5	1627.2	1778.1	2013.0	2382.0	3030.6	3841.4	10383.6	12564.3	14124.4
50°	1319.6	1403.5	1487.4	1632.7	1862.0	2158.4	2795.8	3718.4	10495.4	12894.2	14521.4
52.5°	1230.2	1274.9	1364.3	1498.5	1666.3	1951.5	2572.1	3617.8	10803.0	13229.7	14935.1
55°	1163.1	1213.4	1269.3	1381.1	1509.7	1744.6	2342.9	3466.8	11160.8	13587.6	15348.9
57.5°	1056.8	1090.4	1168.6	1286.1	1369.9	1543.3	2074.5	3287.9	11132.9	13308.0	14633.2
60°	*961.8*	*995.3*	*1079.2*	*1196.6*	*1246.9*	*1364.3*	*1811.7*	*3058.6*	*10596.1*	*12396.6*	*13313.6*
62.5°	855.5	894.7	995.3	1079.2	1123.9	1213.4	1537.7	2639.2	9477.8	11026.6	11770.3
65°	810.8	833.1	900.2	1000.9	995.3	1079.2	1297.2	2074.5	7626.9	8426.5	9103.1
67.5°	861.1	894.7	883.5	911.4	894.7	939.4	1163.1	1666.3	5994.2	6346.5	6737.9
70°	849.9	928.2	967.3	911.4	782.8	833.1	1006.5	1330.8	4288.8	4255.2	4238.4
72.5°	743.7	822.0	933.8	989.7	766.0	693.4	872.3	1151.9	2751.1	2739.9	2477.1
75°	631.9	687.8	822.0	894.7	659.8	559.2	749.3	978.5	1643.9	1666.3	1487.4
77.5°	581.5	553.6	687.8	788.4	536.8	430.6	603.9	738.1	905.8	917.0	849.9
80°	419.4	402.6	514.4	575.9	408.2	307.5	341.1	458.5	486.5	436.1	452.9
82.5°	268.4	274.0	307.5	369.0	251.6	167.7	234.8	307.5	262.8	212.5	251.6
85°	173.3	195.7	162.2	190.1	78.3	78.3	100.6	134.2	89.5	61.5	67.1
87.5°	0.0	0.0	11.2	22.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

REPORT NUMBER: P1501534
CATALOG NUMBER: GSS-SB5B-830-U-T2LG

CANDELA DISTRIBUTION (continued):

	285°	293°	295°	305°	315°	325°	335°	345°	355°	360°
0°	3947.7	3947.7	*3947.7*	3947.7	3947.7	3947.7	3947.7	3947.7	3947.7	3947.7
2.5°	3964.4	3958.8	*3958.8*	3970.0	3998.0	4009.2	4025.9	4020.4	4037.1	4025.9
5°	4042.7	4048.3	*4065.1*	4070.7	4087.5	4109.8	4115.4	4109.8	4121.0	4121.0
7.5°	4199.3	4221.7	*4210.5*	4238.4	4216.1	4188.1	4143.4	4109.8	4081.9	4093.0
10°	4462.1	4450.9	*4445.3*	4395.0	4294.3	4149.0	4031.5	3902.9	3880.6	3858.2
12.5°	4752.9	4741.7	*4741.7*	4568.3	4283.2	3981.2	3712.8	3511.5	3444.4	3438.8
15°	5161.0	5088.4	*5021.3*	4657.8	4087.5	3573.0	3259.9	3103.3	3064.2	3064.2
17.5°	5669.9	5479.8	*5367.9*	4590.7	3768.7	3304.6	3120.1	3081.0	3069.8	3097.7
20°	6301.7	5820.8	*5658.7*	4439.7	3651.3	3338.2	3248.7	3254.3	3259.9	3299.0
22.5°	6995.1	6134.0	*5865.6*	4439.7	3768.7	3550.7	3505.9	3567.4	3584.2	3617.8
25°	7766.7	6413.6	*6050.1*	4674.6	4115.4	3953.3	3897.3	3958.8	4003.6	4059.5
27.5°	8633.4	6704.3	*6368.8*	5099.5	4562.7	4462.1	4400.6	4428.5	4490.0	4557.1
30°	9410.7	7190.8	*6855.3*	5748.2	5172.2	5049.2	4943.0	4987.7	5054.8	5099.5
32.5°	10098.4	7783.5	*7498.3*	6430.3	5871.2	5658.7	5541.3	5530.1	5664.3	5630.7
35°	10730.3	8482.4	*8208.5*	7207.6	6581.3	6318.5	6161.9	6363.2	6273.8	6307.3
37.5°	11227.9	9209.4	*8991.3*	7951.2	7319.4	6961.5	6866.5	7112.5	7252.3	7291.4
40°	11636.1	9841.2	*9611.9*	8689.3	7996.0	7733.2	7884.1	8292.3	8275.6	8258.8
42.5°	11949.2	10383.6	*10132.0*	9248.5	8644.6	8694.9	8812.4	9086.3	9153.4	9058.4
45°	12089.0	10724.7	*10523.4*	9690.2	9382.7	9673.5	9723.8	9841.2	9796.5	9735.0
47.5°	12251.2	11026.6	*10814.1*	10092.8	10182.3	10467.5	10366.8	10271.8	10109.6	10014.5
50°	12525.2	11384.5	*11205.6*	10679.9	11004.3	10909.2	10517.8	10305.3	9975.4	9863.6
52.5°	13045.2	12061.1	*11926.9*	11608.1	11390.1	10842.1	10366.8	9986.6	9617.5	9466.6
55°	13509.3	12978.1	*12899.8*	12474.8	11272.7	10489.8	9852.4	9265.3	8633.4	8504.8
57.5°	13777.7	14499.0	*14588.5*	12843.9	10735.9	9690.2	8750.8	7811.5	7213.2	7106.9
60°	*12978.1*	*16142.9*	*16187.7*	*12771.2*	*9768.5*	*8247.6*	*6816.2*	*6150.8*	*5507.7*	*5323.2*
62.5°	11876.5	15801.8	*15762.7*	12335.1	7777.9	6016.6	5177.8	4864.7	4367.0	4216.1
65°	10210.3	13162.6	*13207.3*	10657.6	5172.2	4350.3	4350.3	3953.3	3399.7	3293.4
67.5°	8320.3	10148.7	*10048.1*	6911.2	3176.0	3483.6	3651.3	3081.0	2303.7	2175.1
70°	5407.1	7749.9	*7610.2*	3986.8	1996.2	2902.0	2874.1	2314.9	1649.5	1560.1
72.5°	2326.1	4478.9	*4764.0*	2035.3	1504.1	2337.3	2292.6	1621.6	1101.5	1062.4
75°	1403.5	2253.4	*2454.7*	1297.2	1096.0	1761.4	1588.0	1028.9	749.3	721.3
77.5°	889.1	1235.7	*1224.6*	972.9	822.0	1191.0	1068.0	710.1	508.8	486.5
80°	514.4	609.5	*631.9*	609.5	553.6	849.9	682.2	514.4	397.0	369.0
82.5°	329.9	380.2	*385.8*	296.4	307.5	548.0	369.0	301.9	229.3	206.9
85°	145.4	162.2	*156.6*	100.6	100.6	223.7	128.6	123.0	89.5	89.5
87.5°	5.6	11.2	*5.6*	5.6	5.6	22.4	11.2	16.8	16.8	16.8
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: SP1-2407-184-9

Test Date: 10/10/2024

Luminaire Tested: GSS-SB1A-830-U-5WQ

Data in this report applies to families of products including GSS-SB1A-830-U-5WQ

Report Generated By FNC07603 / LDUCLS01DT446
Version: v7.04

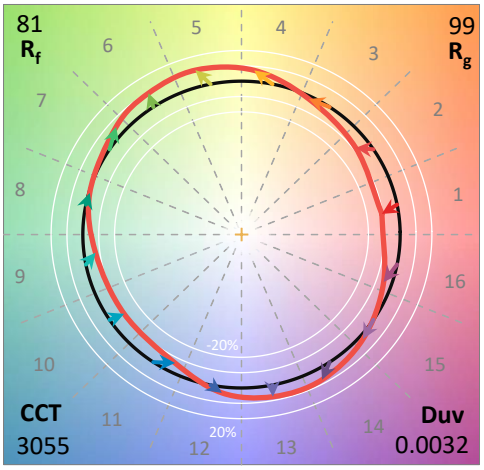
Test Information

Test Method:	LM-79-2019
Report Number:	SP1-2407-184-9
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-830-U-5WQ**
Description:	GALLEON II SITE SLIM 1SQ 350MA 5WQ HIGH DENSITY LIGHTSQUARE WITH 80 CRI 3000K CCT 26 LEDS

Spectral Parameters

CCT (K):	3055
CIE u':	0.2475
CIE v':	0.5247
Duv:	0.0032
CIE x:	0.4377
CIE y:	0.4124
CIE z:	0.1499
Peak Wavelength (nm):	604
Dominant Wavelength (nm):	581
Purity:	55.16339
Rf:	81.5
Rg:	99.2

CRI (Ra):	80.9
R1:	79.5
R2:	85.6
R3:	92.1
R4:	82.4
R5:	78.9
R6:	81.7
R7:	85.1
R8:	61.9
R9:	6.8
R10:	67.1
R11:	82.5
R12:	63.4
R13:	80.2
R14:	95.1
R15:	71.7



Test Conditions

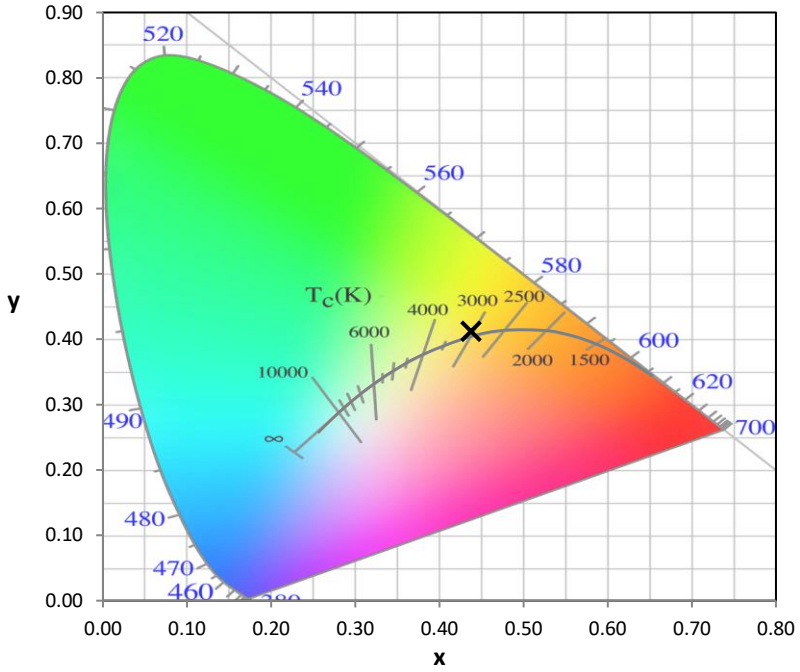
Stabilization Time:	20M
Operation Time:	1H 20M
Sphere Temperature (°C):	25.2

REPORT NUMBER: SP1-2407-184-9

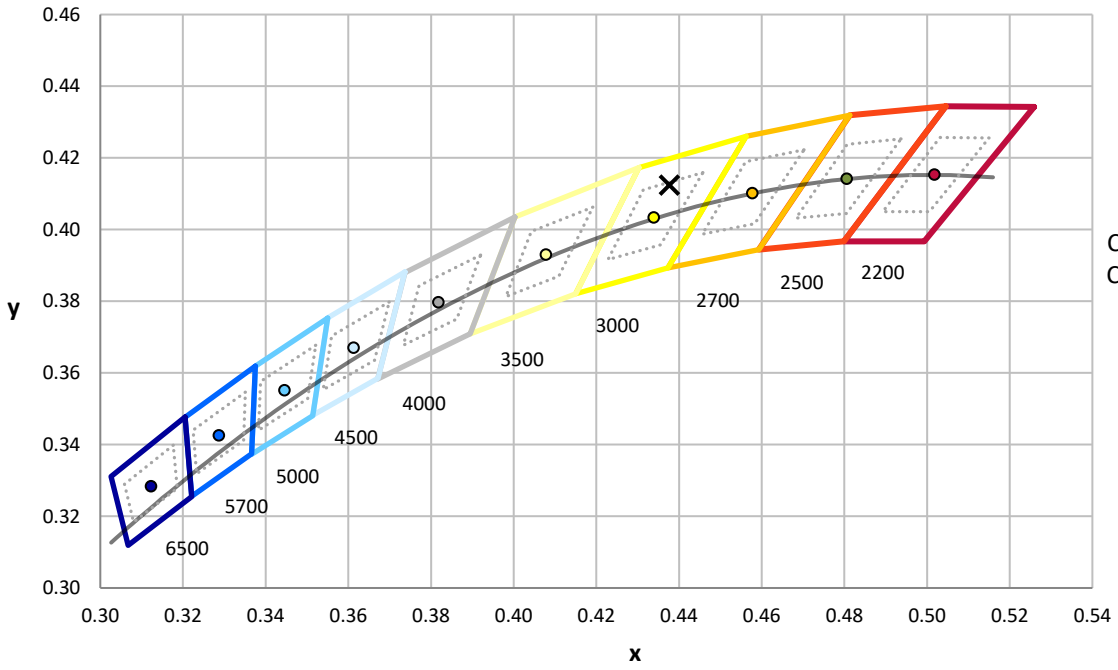
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

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CIE 1931 Chromaticity Diagram



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

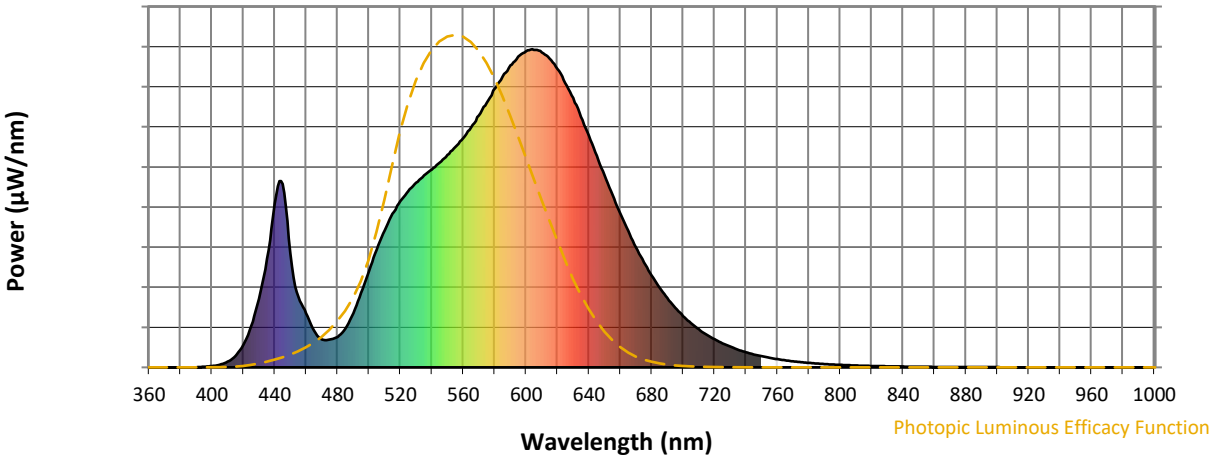


CCT = 3055K
CIE x = 0.4377
CIE y = 0.4124
Duv = 0.0032

Point lies inside the ANSI 3000K 4-step quadrangle

REPORT NUMBER: SP1-2407-184-9

Photopic Flux vs. Wavelength

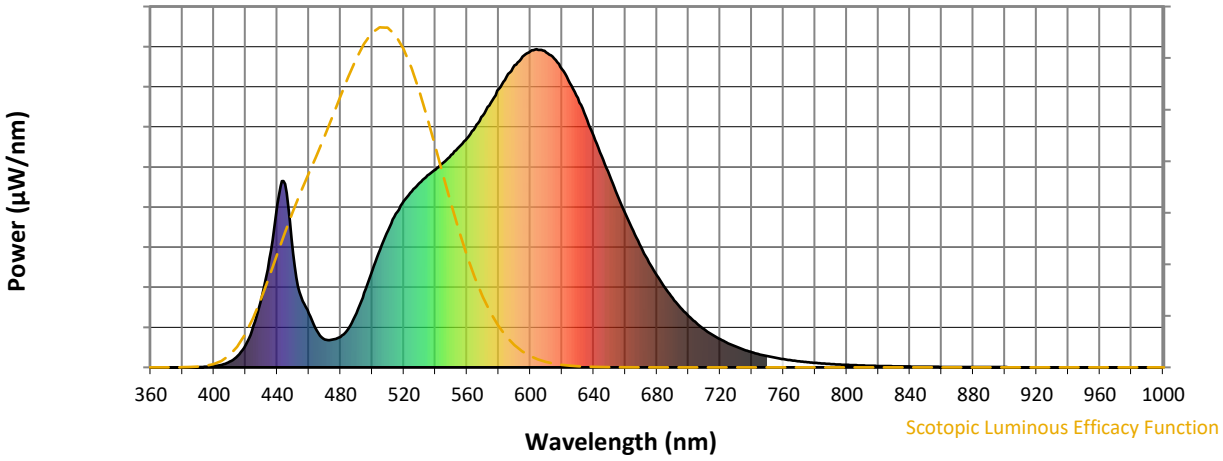


Photopic Lumens: NR

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	170	NR	620	938	NR	750	35	NR	880	1	NR
365	0	NR	495	234	NR	625	894	NR	755	30	NR	885	1	NR
370	0	NR	500	302	NR	630	847	NR	760	26	NR	890	1	NR
375	0	NR	505	371	NR	635	788	NR	765	22	NR	895	1	NR
380	0	NR	510	431	NR	640	728	NR	770	19	NR	900	1	NR
385	0	NR	515	482	NR	645	665	NR	775	16	NR	905	1	NR
390	0	NR	520	523	NR	650	603	NR	780	14	NR	910	0	NR
395	2	NR	525	553	NR	655	542	NR	785	12	NR	915	0	NR
400	4	NR	530	580	NR	660	484	NR	790	11	NR	920	0	NR
405	8	NR	535	603	NR	665	430	NR	795	9	NR	925	0	NR
410	18	NR	540	622	NR	670	377	NR	800	8	NR	930	0	NR
415	36	NR	545	644	NR	675	330	NR	805	7	NR	935	0	NR
420	71	NR	550	668	NR	680	289	NR	810	6	NR	940	0	NR
425	131	NR	555	693	NR	685	250	NR	815	5	NR	945	0	NR
430	215	NR	560	720	NR	690	218	NR	820	4	NR	950	0	NR
435	341	NR	565	754	NR	695	188	NR	825	4	NR	955	0	NR
440	514	NR	570	792	NR	700	161	NR	830	3	NR	960	0	NR
445	576	NR	575	832	NR	705	139	NR	835	3	NR	965	0	NR
450	358	NR	580	875	NR	710	119	NR	840	3	NR	970	0	NR
455	222	NR	585	913	NR	715	102	NR	845	2	NR	975	0	NR
460	170	NR	590	950	NR	720	88	NR	850	2	NR	980	0	NR
465	115	NR	595	977	NR	725	76	NR	855	2	NR	985	0	NR
470	88	NR	600	994	NR	730	65	NR	860	1	NR	990	0	NR
475	87	NR	605	997	NR	735	56	NR	865	1	NR	995	0	NR
480	96	NR	610	990	NR	740	47	NR	870	1	NR	1000	0	NR
485	122	NR	615	971	NR	745	41	NR	875	1	NR			

REPORT NUMBER: SP1-2407-184-9

Scotopic Flux vs. Wavelength

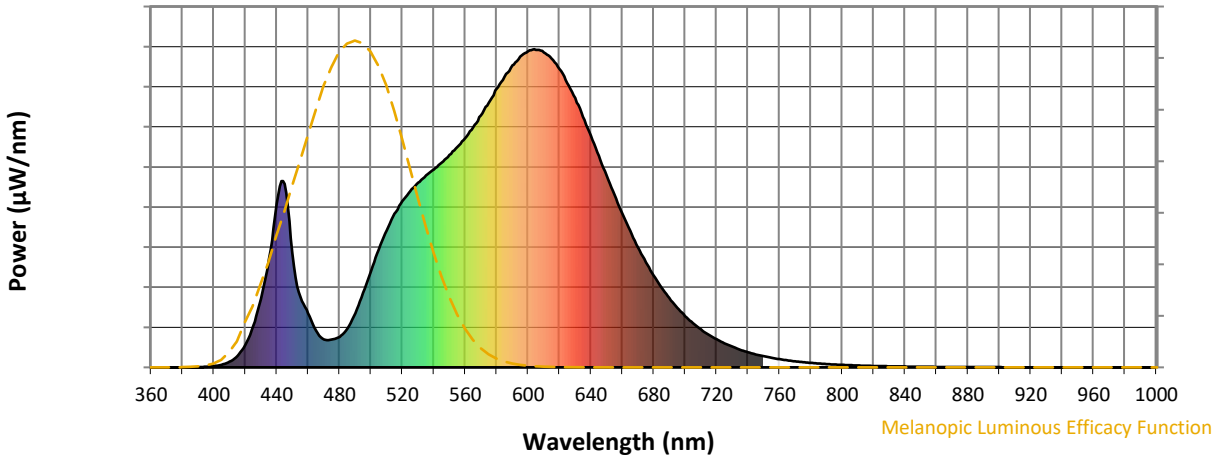


Scotopic Lumens: NR **S/P: 1.28**

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	170	NR	620	938	NR	750	35	NR	880	1	NR
365	0	NR	495	234	NR	625	894	NR	755	30	NR	885	1	NR
370	0	NR	500	302	NR	630	847	NR	760	26	NR	890	1	NR
375	0	NR	505	371	NR	635	788	NR	765	22	NR	895	1	NR
380	0	NR	510	431	NR	640	728	NR	770	19	NR	900	1	NR
385	0	NR	515	482	NR	645	665	NR	775	16	NR	905	1	NR
390	0	NR	520	523	NR	650	603	NR	780	14	NR	910	0	NR
395	2	NR	525	553	NR	655	542	NR	785	12	NR	915	0	NR
400	4	NR	530	580	NR	660	484	NR	790	11	NR	920	0	NR
405	8	NR	535	603	NR	665	430	NR	795	9	NR	925	0	NR
410	18	NR	540	622	NR	670	377	NR	800	8	NR	930	0	NR
415	36	NR	545	644	NR	675	330	NR	805	7	NR	935	0	NR
420	71	NR	550	668	NR	680	289	NR	810	6	NR	940	0	NR
425	131	NR	555	693	NR	685	250	NR	815	5	NR	945	0	NR
430	215	NR	560	720	NR	690	218	NR	820	4	NR	950	0	NR
435	341	NR	565	754	NR	695	188	NR	825	4	NR	955	0	NR
440	514	NR	570	792	NR	700	161	NR	830	3	NR	960	0	NR
445	576	NR	575	832	NR	705	139	NR	835	3	NR	965	0	NR
450	358	NR	580	875	NR	710	119	NR	840	3	NR	970	0	NR
455	222	NR	585	913	NR	715	102	NR	845	2	NR	975	0	NR
460	170	NR	590	950	NR	720	88	NR	850	2	NR	980	0	NR
465	115	NR	595	977	NR	725	76	NR	855	2	NR	985	0	NR
470	88	NR	600	994	NR	730	65	NR	860	1	NR	990	0	NR
475	87	NR	605	997	NR	735	56	NR	865	1	NR	995	0	NR
480	96	NR	610	990	NR	740	47	NR	870	1	NR	1000	0	NR
485	122	NR	615	971	NR	745	41	NR	875	1	NR			

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Melanopic Flux vs. Wavelength



Melanopic Lumens: NR **M/P: 2.33**

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	170	NR	620	938	NR	750	35	NR	880	1	NR
365	0	NR	495	234	NR	625	894	NR	755	30	NR	885	1	NR
370	0	NR	500	302	NR	630	847	NR	760	26	NR	890	1	NR
375	0	NR	505	371	NR	635	788	NR	765	22	NR	895	1	NR
380	0	NR	510	431	NR	640	728	NR	770	19	NR	900	1	NR
385	0	NR	515	482	NR	645	665	NR	775	16	NR	905	1	NR
390	0	NR	520	523	NR	650	603	NR	780	14	NR	910	0	NR
395	2	NR	525	553	NR	655	542	NR	785	12	NR	915	0	NR
400	4	NR	530	580	NR	660	484	NR	790	11	NR	920	0	NR
405	8	NR	535	603	NR	665	430	NR	795	9	NR	925	0	NR
410	18	NR	540	622	NR	670	377	NR	800	8	NR	930	0	NR
415	36	NR	545	644	NR	675	330	NR	805	7	NR	935	0	NR
420	71	NR	550	668	NR	680	289	NR	810	6	NR	940	0	NR
425	131	NR	555	693	NR	685	250	NR	815	5	NR	945	0	NR
430	215	NR	560	720	NR	690	218	NR	820	4	NR	950	0	NR
435	341	NR	565	754	NR	695	188	NR	825	4	NR	955	0	NR
440	514	NR	570	792	NR	700	161	NR	830	3	NR	960	0	NR
445	576	NR	575	832	NR	705	139	NR	835	3	NR	965	0	NR
450	358	NR	580	875	NR	710	119	NR	840	3	NR	970	0	NR
455	222	NR	585	913	NR	715	102	NR	845	2	NR	975	0	NR
460	170	NR	590	950	NR	720	88	NR	850	2	NR	980	0	NR
465	115	NR	595	977	NR	725	76	NR	855	2	NR	985	0	NR
470	88	NR	600	994	NR	730	65	NR	860	1	NR	990	0	NR
475	87	NR	605	997	NR	735	56	NR	865	1	NR	995	0	NR
480	96	NR	610	990	NR	740	47	NR	870	1	NR	1000	0	NR
485	122	NR	615	971	NR	745	41	NR	875	1	NR			

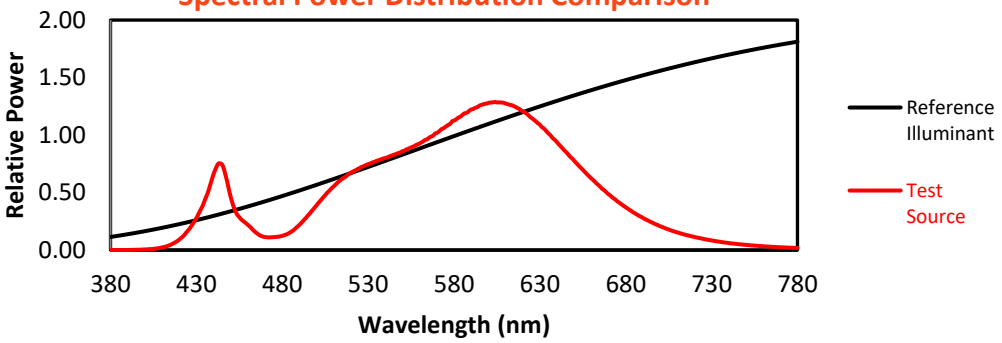
REPORT NUMBER: SP1-2407-184-9

TM-30-18

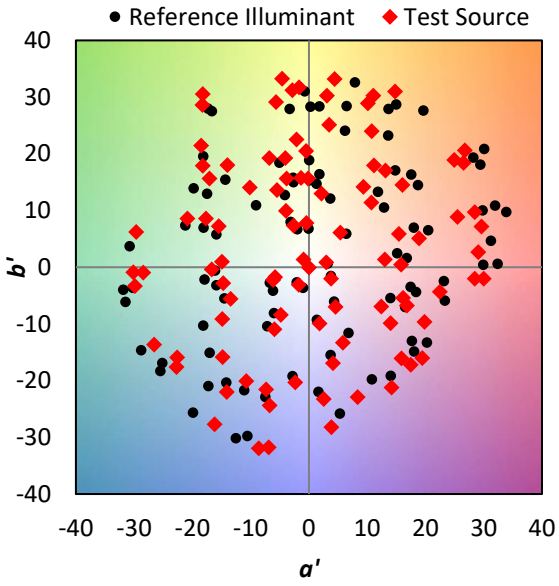
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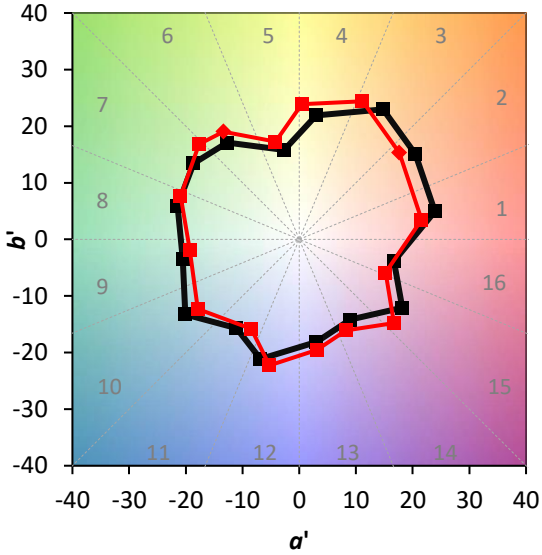
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R_g = 99.2
CIE R_a = 80.9
R_9 = 6.8

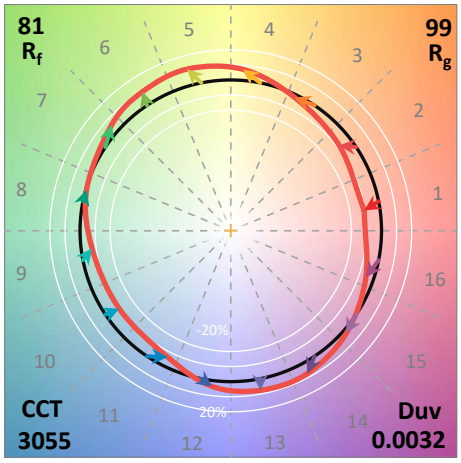
Spectral Power Distribution Comparison

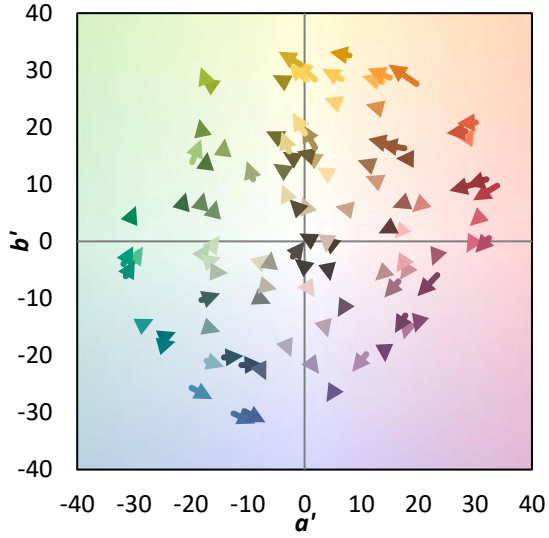


Color Vector Graphics







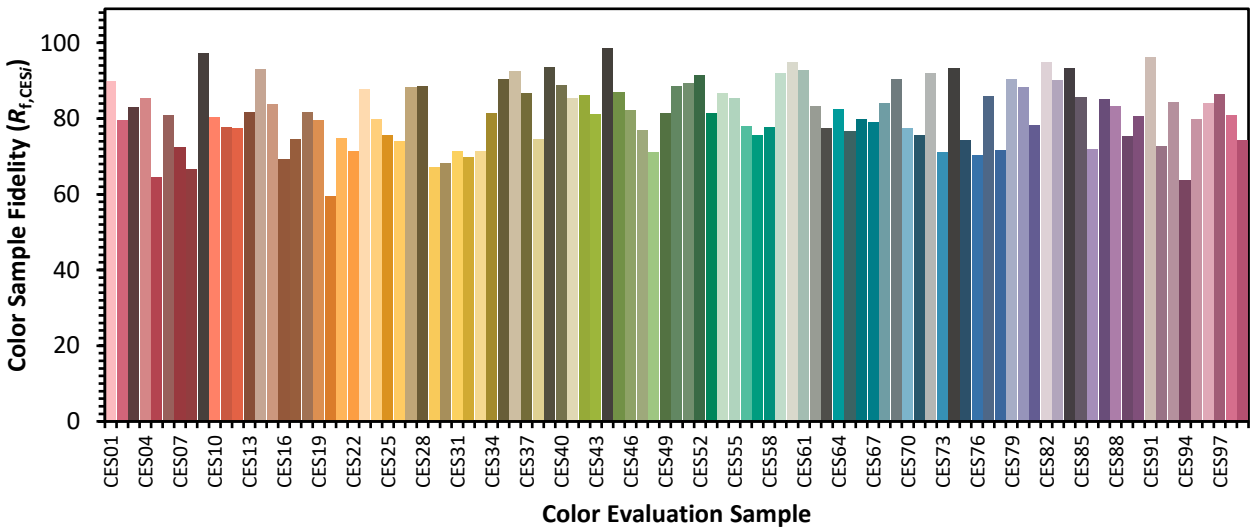


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Individual Sample Fidelity Index ($R_{f,i}$)

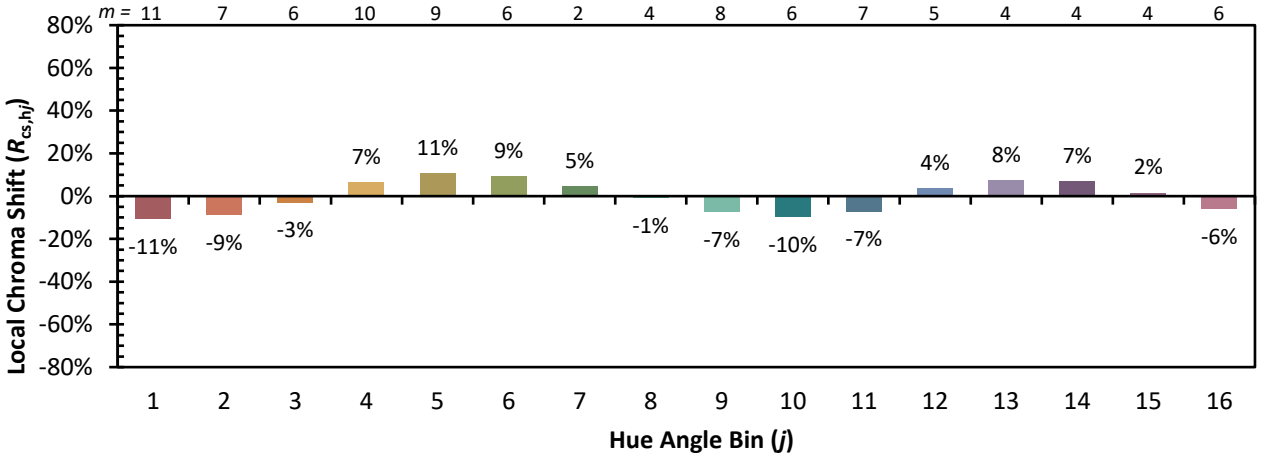
CES01 = 86	CES26 = 74	CES51 = 89	CES76 = 70
CES02 = 63	CES27 = 88	CES52 = 91	CES77 = 86
CES03 = 31	CES28 = 89	CES53 = 81	CES78 = 72
CES04 = 70	CES29 = 67	CES54 = 87	CES79 = 90
CES05 = 50	CES30 = 68	CES55 = 85	CES80 = 88
CES06 = 51	CES31 = 71	CES56 = 78	CES81 = 78
CES07 = 42	CES32 = 70	CES57 = 76	CES82 = 95
CES08 = 41	CES33 = 71	CES58 = 78	CES83 = 90
CES09 = 29	CES34 = 82	CES59 = 92	CES84 = 93
CES10 = 76	CES35 = 90	CES60 = 95	CES85 = 86
CES11 = 59	CES36 = 93	CES61 = 93	CES86 = 72
CES12 = 65	CES37 = 87	CES62 = 83	CES87 = 85
CES13 = 43	CES38 = 75	CES63 = 77	CES88 = 83
CES14 = 74	CES39 = 94	CES64 = 83	CES89 = 75
CES15 = 71	CES40 = 89	CES65 = 77	CES90 = 81
CES16 = 47	CES41 = 85	CES66 = 80	CES91 = 96
CES17 = 50	CES42 = 86	CES67 = 79	CES92 = 73
CES18 = 56	CES43 = 81	CES68 = 84	CES93 = 84
CES19 = 72	CES44 = 99	CES69 = 90	CES94 = 64
CES20 = 66	CES45 = 87	CES70 = 77	CES95 = 80
CES21 = 87	CES46 = 82	CES71 = 76	CES96 = 84
CES22 = 79	CES47 = 77	CES72 = 92	CES97 = 87
CES23 = 92	CES48 = 71	CES73 = 71	CES98 = 81
CES24 = 91	CES49 = 81	CES74 = 93	CES99 = 74
CES25 = 72	CES50 = 89	CES75 = 74	

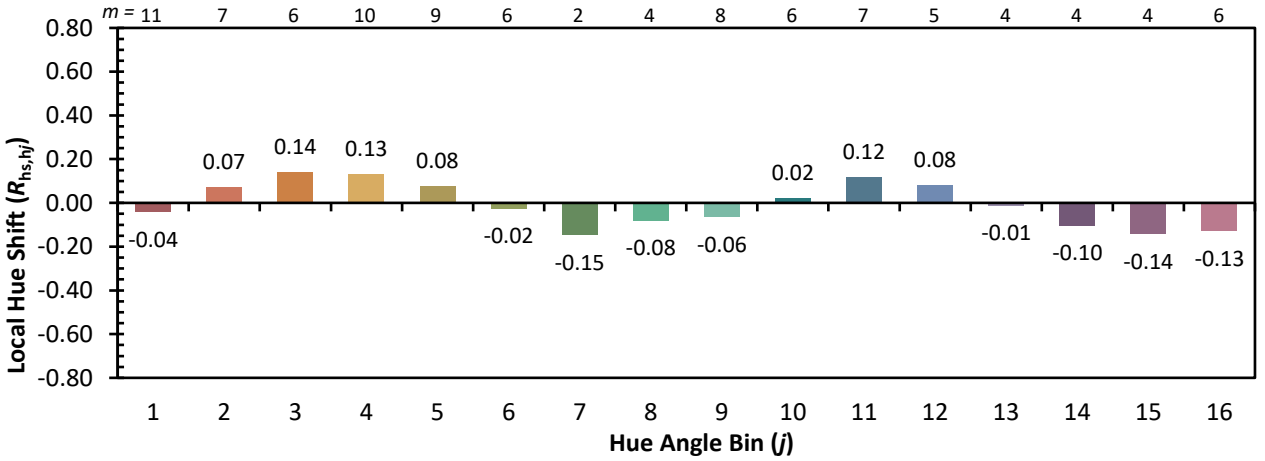


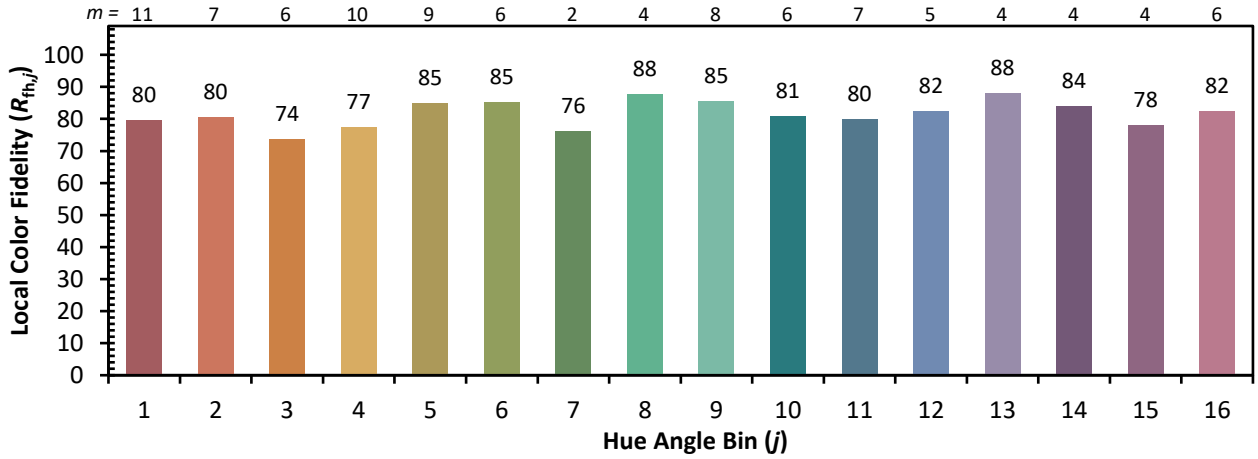
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Color Rendition by Hue-Angle Bin



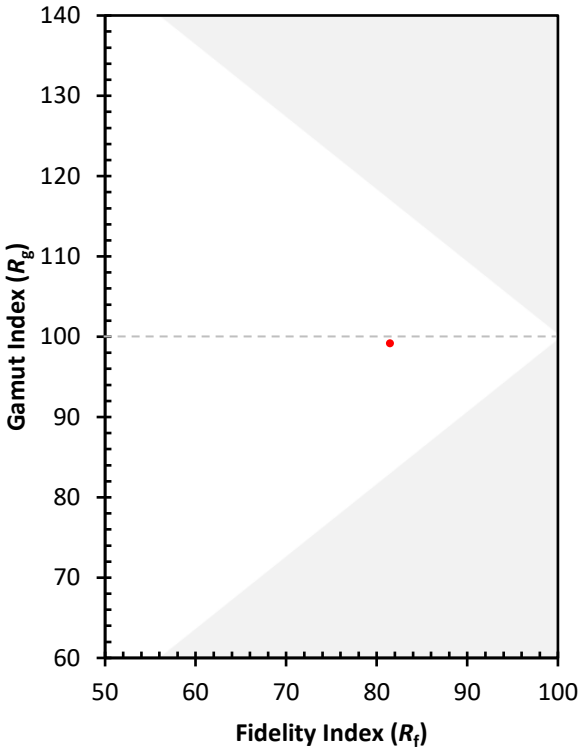


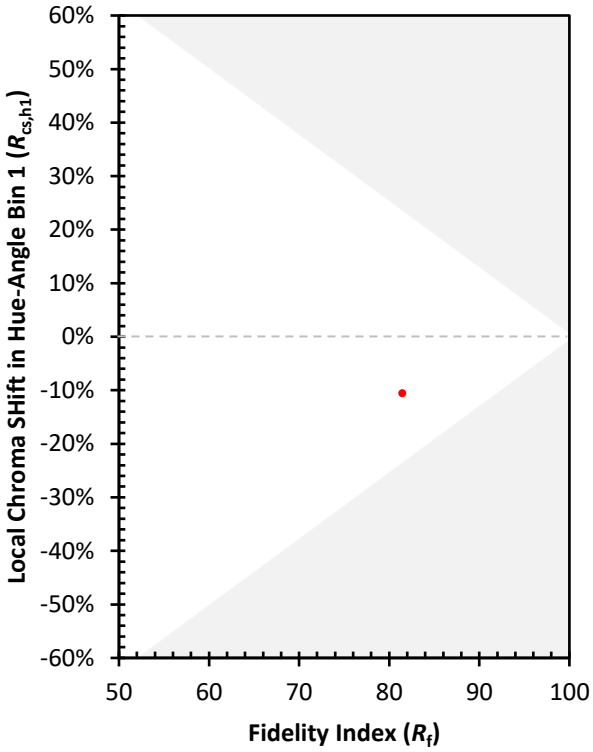


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Measure Comparisons





(END OF REPORT)