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: P1501535

Luminaire Tested: GSS-SB5C-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:	P1501535
Test Lab:	INNOVATION CENTER(G1)
Issue Date:	7/20/2026
Manufacturer:	COOPER LIGHTING SOLUTIONS
Product Line:	McGRAW-EDISON
Catalog Number:	GSS-SB5C-830-U-T2LG
Description:	GALLEON II SLIM SITE HIGH DENSITY LED ARRAYS 5SQUARE 252W 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:	32356.4 lumens
Efficiency:	N/A
Efficacy:	128.4 lumens/watt
Luminous Opening:	Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification:	Type II - Short
BUG Rating:	B3 - U0 - G3

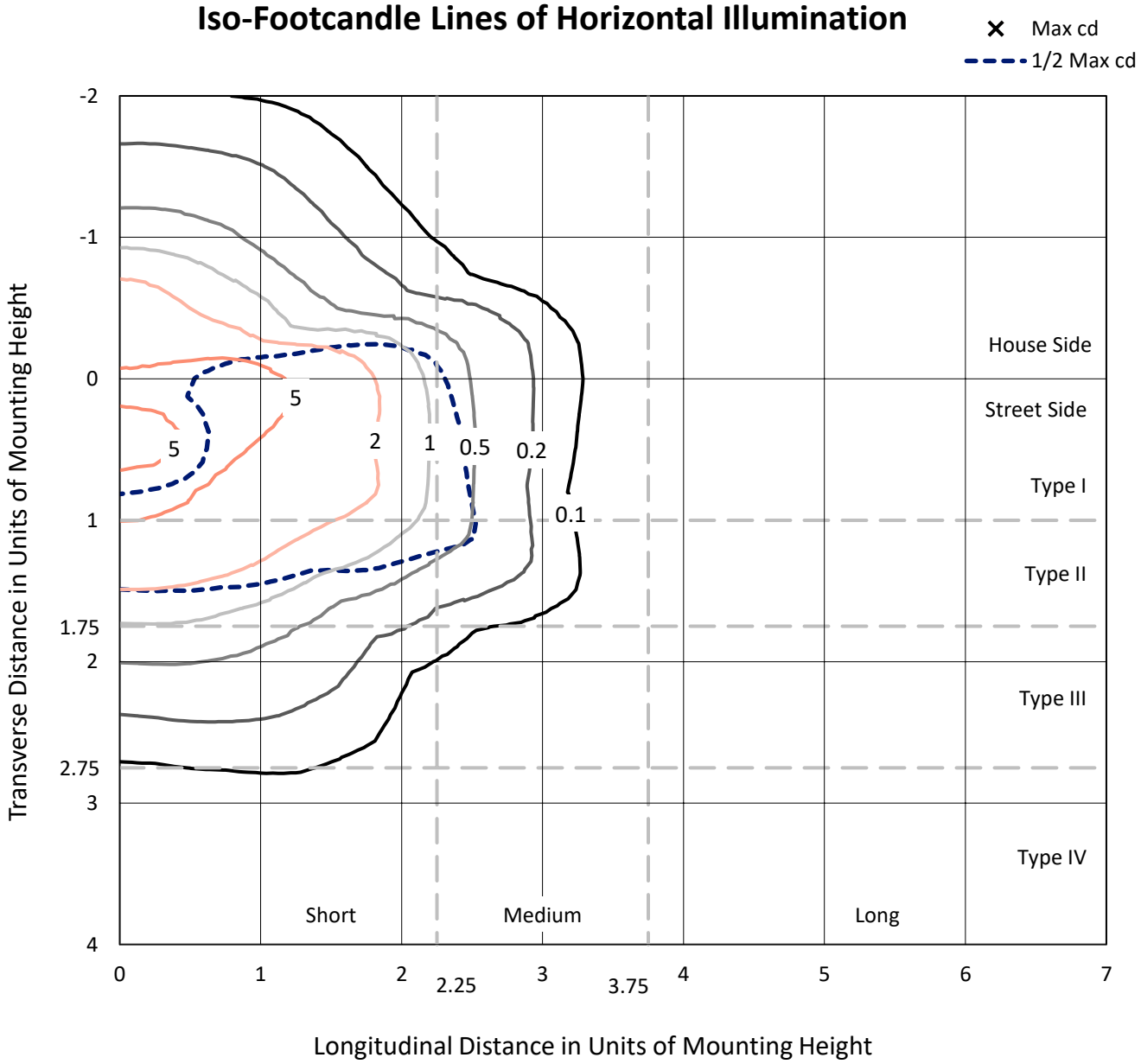
Input Watts (W):	252
Input Voltage (V):	120
Input Current (Ain):	NR
Voltage Rise (V):	NR
Power Factor:	0.98
Total Harmonic Distortion (THDi):	7.9%
Frequency (hertz):	60
Stabilization Time:	NR
Operation Time:	NR
Ambient Temperature (°C):	NR
Test Distance:	28.75 FT

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Iso-Footcandle Lines of Horizontal Illumination



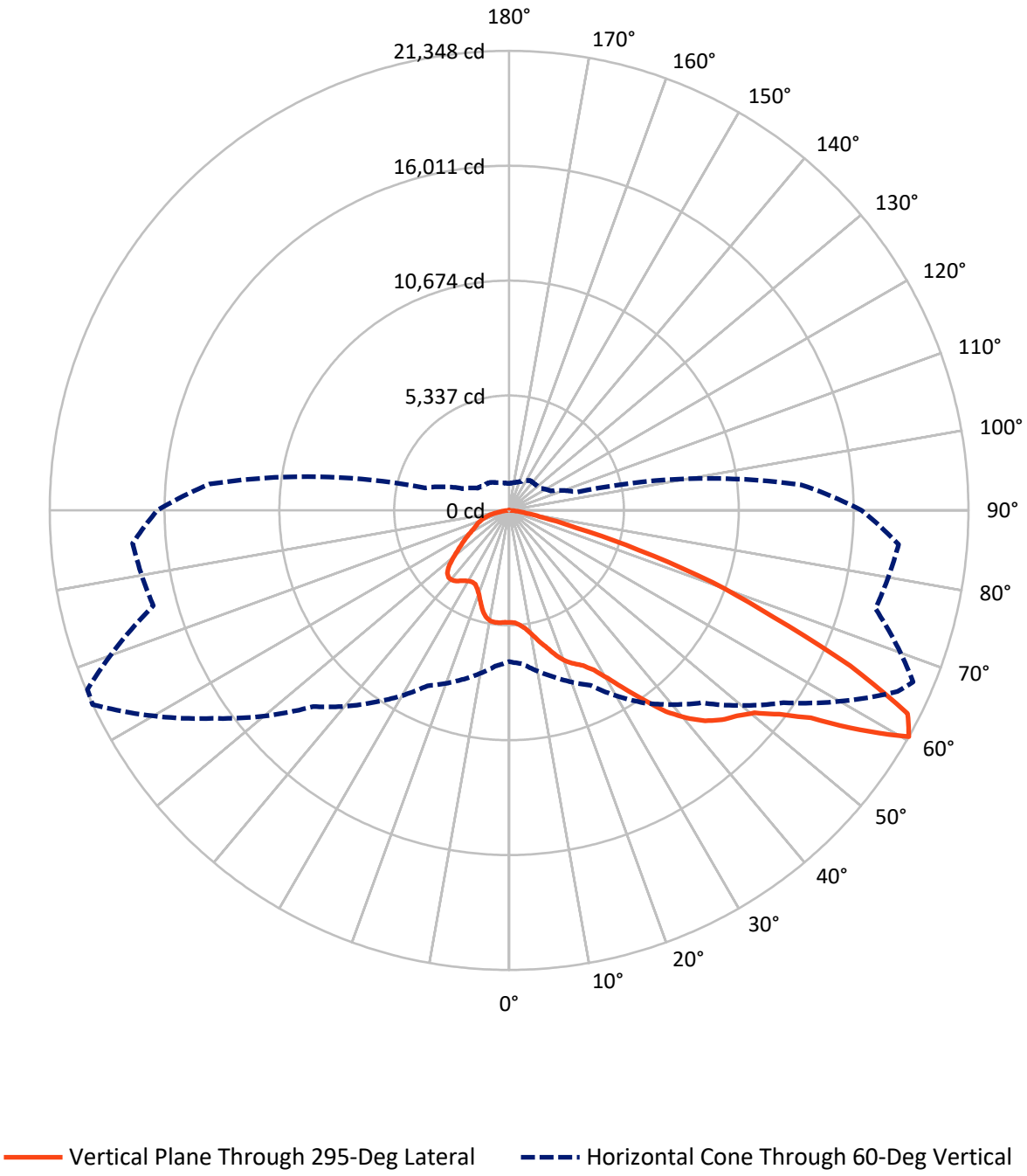
Based on 30 foot mounting height. Maximum calculated value = 8.7 fc
Type II - Short - N/A

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Luminous Intensity Polar Plot



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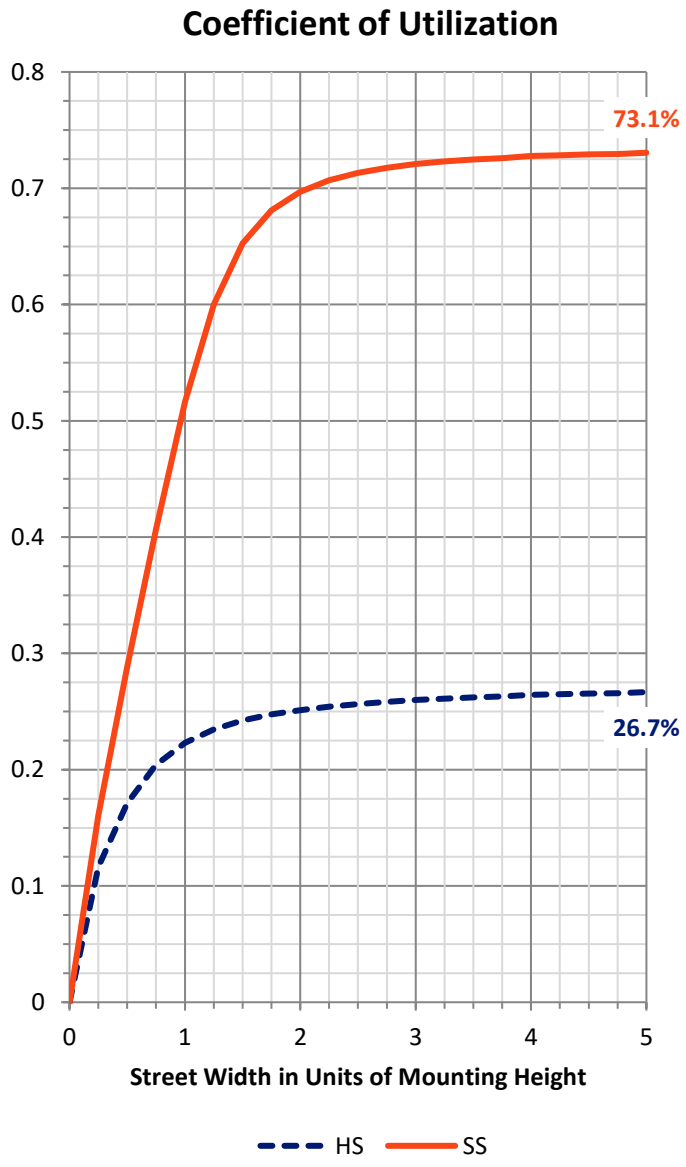
REPORT NUMBER: P1501535
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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	8701.0	0.0	8701.0
	% Fixture	26.9	0.0	26.9
Street Side	Lumens	23655.3	0.0	23655.3
	% Fixture	73.1	0.0	73.1
Total	Lumens	32356.4	0.0	32356.4
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	489.5	1.5
10°-20°	1407.1	4.3
20°-30°	2665.3	8.2
30°-40°	4698.8	14.5
40°-50°	6949.0	21.5
50°-60°	8160.0	25.2
60°-70°	5912.3	18.3
70°-80°	1823.3	5.6
80°-90°	251.0	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°	32356.4	100.0
0°-180°	32356.4	100.0



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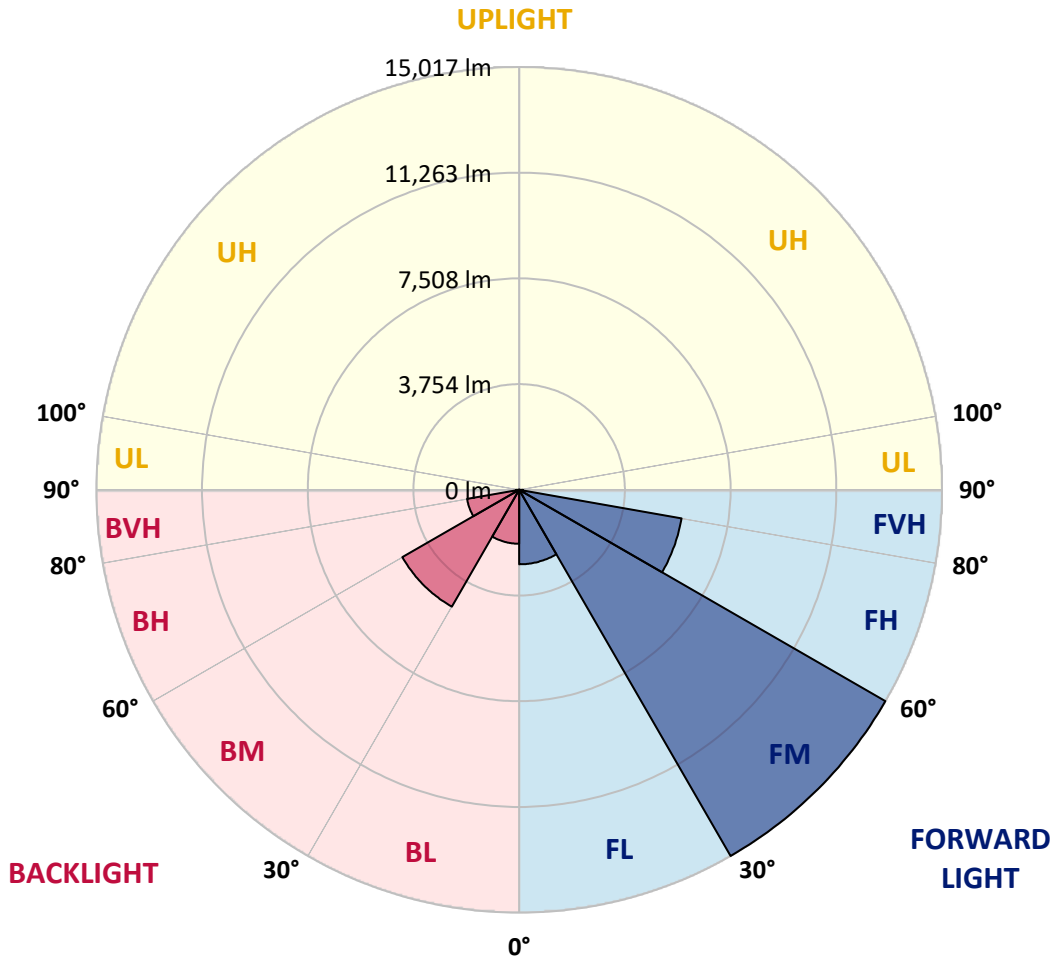
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	2645.7	8.2			
FM	(30°-60°)	15016.8	46.4			
FH	(60°-80°)	5857.5	18.1			G3/7500
FVH	(80°-90°)	135.4	0.4			G2/225
BL	(0°-30°)	1916.3	5.9	B3/2500		
BM	(30°-60°)	4791.0	14.8	B3/5000		
BH	(60°-80°)	1878.1	5.8	B3/2500		G3/2500
BVH	(80°-90°)	115.6	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°	5206.0	5206.0	5206.0	5206.0	5206.0	5206.0	5206.0	5206.0	5206.0	5206.0	5206.0
2.5°	5309.2	5324.0	5301.8	5316.6	5316.6	5294.5	5287.1	5257.6	5272.4	5265.0	5257.6
5°	5434.6	5442.0	5427.2	5449.3	5449.3	5456.7	5449.3	5412.5	5412.5	5412.5	5397.7
7.5°	5397.7	5397.7	5405.1	5478.8	5552.6	5648.4	5648.4	5633.7	5648.4	5641.0	5574.7
10°	5088.0	5117.5	5183.9	5368.2	5545.2	5751.7	5891.8	5936.0	5936.0	5943.4	5832.8
12.5°	4535.0	4557.1	4711.9	4992.1	5360.8	5736.9	6076.1	6297.3	6319.4	6356.3	6208.8
15°	4040.9	4055.7	4166.3	4453.8	4874.2	5537.8	6179.3	6636.5	6710.3	6865.1	6643.9
17.5°	4085.2	4077.8	4107.3	4217.9	4520.2	5213.4	6157.2	7034.7	7167.4	7440.3	7248.6
20°	4350.6	4350.6	4372.7	4394.9	4505.5	4977.4	5995.0	7359.2	7617.3	8148.2	7927.0
22.5°	4770.9	4770.9	4763.6	4800.4	4800.4	5080.6	6002.4	7602.5	7986.0	8937.2	8723.3
25°	5353.5	5324.0	5324.0	5338.7	5272.4	5471.4	6186.7	7853.2	8354.7	9873.7	9689.3
27.5°	6009.7	6031.9	6017.1	5965.5	5877.0	6031.9	6629.2	8244.0	8767.6	10861.8	10788.0
30°	6725.0	6732.4	6747.1	6717.6	6643.9	6754.5	7322.3	8834.0	9313.3	11894.1	12056.4
32.5°	7425.5	7528.8	7491.9	7418.2	7447.7	7646.8	8177.7	9630.3	10124.4	12852.7	13427.9
35°	8317.8	8354.7	8502.1	8229.3	8236.7	8575.9	9269.0	10677.4	11156.7	13848.2	14799.5
37.5°	9615.6	9682.0	9615.6	9187.9	9121.5	9593.5	10330.9	11709.8	12056.4	14600.4	16075.1
40°	10891.3	10972.4	11083.0	10581.6	10161.3	10552.1	11333.7	12498.8	12860.1	15013.3	16923.1
42.5°	11945.7	12078.5	11960.5	11813.0	11429.6	11503.3	12034.2	13110.8	13472.2	15536.8	17778.5
45°	12838.0	12860.1	12911.7	12808.5	12616.8	12550.4	12631.5	13649.1	14047.3	15772.8	18198.8
47.5°	13206.7	13302.6	13346.8	13523.8	13722.9	13590.1	13140.3	13899.8	14261.2	15758.1	18331.6
50°	13007.6	13103.5	13339.4	13759.7	14239.0	14475.0	13737.6	14246.4	14652.0	16023.5	18604.4
52.5°	12484.0	12587.3	12970.7	13450.0	14253.8	14792.1	14578.2	14969.1	15359.9	16495.5	19061.6
55°	11215.7	11370.6	11908.9	12705.3	13811.4	14622.5	15463.1	16030.9	16458.6	17063.2	19533.5
57.5°	9372.3	9534.5	10139.1	11333.7	12992.8	13922.0	15721.2	18021.9	18213.6	17741.6	19577.8
60°	*7020.0*	*7152.7*	*8008.1*	*8966.7*	*10913.4*	*12638.9*	*15573.7*	*19909.6*	*20396.3*	*17623.7*	*18169.3*
62.5°	5559.9	5722.2	6481.7	6924.1	8317.8	10441.5	15057.5	20433.1	20853.4	16650.3	16207.9
65°	4343.2	4453.8	5161.7	5795.9	6135.1	7130.6	12904.4	17874.4	18250.4	15064.9	13376.3
67.5°	2868.5	3038.1	3878.7	4748.8	4925.8	4535.0	8878.2	13752.4	13929.3	11975.2	10058.0
70°	2057.3	2138.4	2765.2	3694.3	3959.8	3038.1	4837.3	10412.0	10463.6	8037.6	6776.6
72.5°	1401.0	1415.8	1880.3	2831.6	3156.0	2204.8	2662.0	6857.7	6680.8	3967.2	3878.7
75°	951.2	966.0	1201.9	1887.7	2234.3	1533.8	1732.9	3738.6	3591.1	2190.1	2352.3
77.5°	641.5	656.3	825.9	1268.3	1489.5	1061.8	1268.3	1976.2	1939.3	1452.7	1260.9
80°	486.7	508.8	612.0	811.1	1039.7	619.4	722.6	936.5	951.2	774.3	641.5
82.5°	272.8	302.3	368.7	412.9	671.0	346.6	346.6	560.4	538.3	479.3	346.6
85°	118.0	125.4	147.5	154.9	272.8	147.5	125.4	243.3	250.7	236.0	110.6
87.5°	22.1	22.1	22.1	22.1	22.1	22.1	22.1	29.5	29.5	29.5	29.5
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°	5206.0	5206.0	5206.0	5206.0	5206.0	5206.0	5206.0	5206.0	5206.0	5206.0	5206.0
2.5°	5220.7	5265.0	5220.7	5198.6	5198.6	5161.7	5147.0	5147.0	5095.4	5117.5	5102.8
5°	5338.7	5353.5	5301.8	5235.5	5147.0	5073.3	4970.0	4837.3	4756.2	4748.8	4756.2
7.5°	5523.1	5530.4	5390.3	5242.9	5021.6	4756.2	4439.1	4181.0	3952.4	3915.6	3959.8
10°	5781.2	5766.4	5559.9	5213.4	4748.8	4188.4	3701.7	3465.7	3333.0	3325.6	3318.3
12.5°	6127.7	6031.9	5714.8	5088.0	4276.9	3628.0	3377.3	3362.5	3399.4	3428.9	3436.2
15°	6525.9	6400.6	5840.1	4844.7	3797.6	3421.5	3436.2	3561.6	3605.8	3635.3	3635.3
17.5°	7020.0	6857.7	5980.2	4498.1	3554.2	3465.7	3569.0	3687.0	3760.7	3790.2	3782.8
20°	7676.2	7337.0	6090.9	4166.3	3487.9	3539.5	3628.0	3746.0	3819.7	3856.6	3856.6
22.5°	8332.5	7912.2	6113.0	3937.7	3487.9	3546.9	3628.0	3746.0	3827.1	3863.9	3856.6
25°	9224.8	8649.6	6120.4	3775.4	3495.2	3510.0	3583.7	3687.0	3804.9	3841.8	3856.6
27.5°	10176.0	9460.7	6157.2	3738.6	3465.7	3458.4	3510.0	3605.8	3723.8	3819.7	3827.1
30°	11355.8	10375.1	6172.0	3775.4	3473.1	3377.3	3414.1	3510.0	3635.3	3731.2	3760.7
32.5°	12513.5	11223.1	6142.5	3856.6	3487.9	3325.6	3333.0	3392.0	3524.7	3591.1	3642.7
35°	13737.6	12122.7	6090.9	3967.2	3495.2	3303.5	3237.2	3266.6	3355.1	3362.5	3384.6
37.5°	14696.2	12793.7	5936.0	4114.6	3510.0	3222.4	3089.7	3067.6	3030.7	2956.9	2971.7
40°	15485.2	13243.6	5677.9	4188.4	3473.1	3126.5	2905.3	2802.1	2662.0	2551.4	2573.5
42.5°	16053.0	13545.9	5368.2	4203.1	3414.1	2964.3	2691.5	2514.5	2359.7	2241.7	2249.0
45°	16303.7	13516.4	5036.4	4092.5	3274.0	2765.2	2492.4	2322.8	2153.2	2027.8	2013.1
47.5°	16311.1	13228.8	4579.2	3827.1	3038.1	2536.6	2308.0	2123.7	1983.6	1895.1	1887.7
50°	16370.1	13066.6	4151.5	3443.6	2728.4	2293.3	2145.8	1961.5	1880.3	1755.0	1718.1
52.5°	16738.8	13332.0	3856.6	3023.3	2440.8	2116.3	2005.7	1843.5	1710.7	1629.6	1622.3
55°	17336.1	13789.2	3694.3	2706.2	2167.9	1946.7	1873.0	1732.9	1614.9	1533.8	1511.7
57.5°	17409.8	14025.2	3502.6	2411.3	1946.7	1814.0	1784.5	1629.6	1460.0	1401.0	1378.9
60°	*16377.5*	*13627.0*	*3266.6*	*2138.4*	*1784.5*	*1710.7*	*1696.0*	*1489.5*	*1349.4*	*1275.7*	*1246.2*
62.5°	14969.1	12631.5	2905.3	1887.7	1659.1	1607.5	1548.5	1386.3	1209.3	1128.2	1106.1
65°	12233.3	10618.4	2470.3	1718.1	1533.8	1474.8	1460.0	1238.8	1120.8	1076.6	1069.2
67.5°	9269.0	8531.6	2175.3	1592.8	1401.0	1378.9	1327.3	1253.6	1201.9	1150.3	1135.6
70°	6555.4	6157.2	1850.9	1430.5	1268.3	1231.4	1445.3	1364.2	1179.8	1113.5	1106.1
72.5°	3974.5	3863.9	1600.1	1283.1	1091.3	1150.3	1334.7	1231.4	1061.8	980.7	951.2
75°	2507.1	2293.3	1342.1	1091.3	870.1	936.5	1165.1	1098.7	914.4	833.3	811.1
77.5°	1364.2	1268.3	1010.2	892.2	685.8	759.5	1017.6	907.0	730.0	796.4	707.9
80°	597.3	663.7	671.0	516.2	457.2	560.4	730.0	707.9	560.4	567.8	471.9
82.5°	287.6	376.1	435.1	353.9	258.1	331.8	486.7	405.6	376.1	353.9	339.2
85°	88.5	140.1	191.7	169.6	118.0	140.1	228.6	221.2	265.5	228.6	213.8
87.5°	29.5	29.5	22.1	22.1	22.1	29.5	36.9	22.1	7.4	7.4	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°	5206.0	5206.0	5206.0	5206.0	5206.0	5206.0	5206.0	5206.0	5206.0	5206.0	5206.0
2.5°	5095.4	5102.8	5102.8	5110.1	5110.1	5132.2	5161.7	5191.2	5169.1	5198.6	5206.0
5°	4741.4	4778.3	4807.8	4918.4	5006.9	5080.6	5161.7	5235.5	5257.6	5272.4	5309.2
7.5°	3908.2	4011.4	4203.1	4453.8	4734.1	5006.9	5191.2	5383.0	5412.5	5449.3	5500.9
10°	3325.6	3369.9	3502.6	3760.7	4262.1	4800.4	5250.2	5552.6	5677.9	5751.7	5803.3
12.5°	3421.5	3392.0	3369.9	3406.8	3731.2	4424.4	5213.4	5795.9	6031.9	6113.0	6179.3
15°	3650.1	3620.6	3539.5	3436.2	3473.1	4026.2	5088.0	6024.5	6400.6	6533.3	6673.4
17.5°	3782.8	3753.3	3687.0	3576.4	3480.5	3694.3	4852.0	6231.0	6983.1	7145.3	7344.4
20°	3856.6	3827.1	3760.7	3650.1	3539.5	3569.0	4549.7	6489.0	7646.8	7904.8	8199.8
22.5°	3871.3	3834.4	3760.7	3650.1	3583.7	3561.6	4262.1	6643.9	8362.0	8760.2	9099.4
25°	3863.9	3797.6	3701.7	3620.6	3583.7	3576.4	4063.0	6732.4	9136.3	9770.4	10153.9
27.5°	3812.3	3731.2	3635.3	3576.4	3561.6	3605.8	3974.5	6835.6	10043.3	10854.4	11466.4
30°	3753.3	3635.3	3517.4	3495.2	3532.1	3672.2	4048.3	6872.5	10994.5	12034.2	12661.0
32.5°	3598.5	3510.0	3392.0	3384.6	3473.1	3723.8	4217.9	6820.9	11835.1	13214.1	14003.1
35°	3377.3	3325.6	3259.3	3281.4	3421.5	3768.1	4335.9	6658.6	12602.0	14312.8	15234.5
37.5°	2986.4	3023.3	3060.2	3111.8	3288.8	3760.7	4387.5	6400.6	13236.2	15190.3	16370.1
40°	2551.4	2676.7	2794.7	2927.4	3163.4	3701.7	4402.2	6083.5	13604.9	15853.9	17380.3
42.5°	2278.5	2396.5	2544.0	2735.7	2993.8	3569.0	4387.5	5729.5	13722.9	16311.1	18021.9
45°	2027.8	2167.9	2352.3	2551.4	2846.3	3377.3	4254.8	5346.1	13781.9	16525.0	18294.7
47.5°	1895.1	1976.2	2145.8	2344.9	2654.6	3141.3	3996.7	5065.9	13693.4	16569.2	18626.5
50°	1740.2	1850.9	1961.5	2153.2	2455.5	2846.3	3687.0	4903.7	13840.8	17004.3	19150.1
52.5°	1622.3	1681.3	1799.2	1976.2	2197.4	2573.5	3392.0	4770.9	14246.4	17446.7	19695.7
55°	1533.8	1600.1	1673.9	1821.4	1991.0	2300.7	3089.7	4571.8	14718.3	17918.6	20241.4
57.5°	1393.7	1437.9	1541.1	1696.0	1806.6	2035.2	2735.7	4335.9	14681.5	17549.9	19297.5
60°	*1268.3*	*1312.6*	*1423.2*	*1578.0*	*1644.4*	*1799.2*	*2389.1*	*4033.5*	*13973.6*	*16348.0*	*17557.3*
62.5°	1128.2	1179.8	1312.6	1423.2	1482.2	1600.1	2027.8	3480.5	12498.8	14541.4	15522.1
65°	1069.2	1098.7	1187.2	1319.9	1312.6	1423.2	1710.7	2735.7	10058.0	11112.5	12004.7
67.5°	1135.6	1179.8	1165.1	1201.9	1179.8	1238.8	1533.8	2197.4	7904.8	8369.4	8885.6
70°	1120.8	1224.1	1275.7	1201.9	1032.3	1098.7	1327.3	1755.0	5655.8	5611.6	5589.4
72.5°	980.7	1084.0	1231.4	1305.2	1010.2	914.4	1150.3	1519.0	3628.0	3613.2	3266.6
75°	833.3	907.0	1084.0	1179.8	870.1	737.4	988.1	1290.4	2167.9	2197.4	1961.5
77.5°	766.9	730.0	907.0	1039.7	707.9	567.8	796.4	973.4	1194.6	1209.3	1120.8
80°	553.0	530.9	678.4	759.5	538.3	405.6	449.8	604.7	641.5	575.2	597.3
82.5°	353.9	361.3	405.6	486.7	331.8	221.2	309.7	405.6	346.6	280.2	331.8
85°	228.6	258.1	213.8	250.7	103.2	103.2	132.7	177.0	118.0	81.1	88.5
87.5°	0.0	0.0	14.7	29.5	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: P1501535
CATALOG NUMBER: GSS-SB5C-830-U-T2LG

CANDELA DISTRIBUTION (continued):

	285°	293°	295°	305°	315°	325°	335°	345°	355°	360°
0°	5206.0	5206.0	*5206.0*	5206.0	5206.0	5206.0	5206.0	5206.0	5206.0	5206.0
2.5°	5228.1	5220.7	*5220.7*	5235.5	5272.4	5287.1	5309.2	5301.8	5324.0	5309.2
5°	5331.3	5338.7	*5360.8*	5368.2	5390.3	5419.8	5427.2	5419.8	5434.6	5434.6
7.5°	5537.8	5567.3	*5552.6*	5589.4	5559.9	5523.1	5464.1	5419.8	5383.0	5397.7
10°	5884.4	5869.6	*5862.3*	5795.9	5663.2	5471.4	5316.6	5147.0	5117.5	5088.0
12.5°	6267.8	6253.1	*6253.1*	6024.5	5648.4	5250.2	4896.3	4630.8	4542.3	4535.0
15°	6806.1	6710.3	*6621.8*	6142.5	5390.3	4711.9	4299.0	4092.5	4040.9	4040.9
17.5°	7477.2	7226.4	*7079.0*	6054.0	4970.0	4358.0	4114.6	4063.0	4048.3	4085.2
20°	8310.4	7676.2	*7462.4*	5854.9	4815.2	4402.2	4284.2	4291.6	4299.0	4350.6
22.5°	9224.8	8089.2	*7735.2*	5854.9	4970.0	4682.4	4623.4	4704.6	4726.7	4770.9
25°	10242.4	8457.9	*7978.6*	6164.6	5427.2	5213.4	5139.6	5220.7	5279.7	5353.5
27.5°	11385.3	8841.3	*8398.9*	6725.0	6017.1	5884.4	5803.3	5840.1	5921.3	6009.7
30°	12410.3	9482.9	*9040.4*	7580.4	6820.9	6658.6	6518.5	6577.5	6666.0	6725.0
32.5°	13317.3	10264.5	*9888.4*	8480.0	7742.6	7462.4	7307.6	7292.8	7469.8	7425.5
35°	14150.6	11186.2	*10824.9*	9505.0	8679.1	8332.5	8126.1	8391.5	8273.5	8317.8
37.5°	14806.8	12144.8	*11857.3*	10485.7	9652.5	9180.5	9055.2	9379.6	9564.0	9615.6
40°	15345.1	12978.1	*12675.8*	11459.1	10544.7	10198.1	10397.2	10935.5	10913.4	10891.3
42.5°	15758.1	13693.4	*13361.5*	12196.5	11400.1	11466.4	11621.3	11982.6	12071.1	11945.7
45°	15942.4	14143.2	*13877.7*	12779.0	12373.4	12756.9	12823.2	12978.1	12919.1	12838.0
47.5°	16156.3	14541.4	*14261.2*	13309.9	13427.9	13804.0	13671.2	13545.9	13332.0	13206.7
50°	16517.6	15013.3	*14777.3*	14084.2	14511.9	14386.5	13870.3	13590.1	13155.1	13007.6
52.5°	17203.4	15905.5	*15728.6*	15308.3	15020.7	14298.0	13671.2	13169.8	12683.1	12484.0
55°	17815.4	17114.9	*17011.6*	16451.2	14865.8	13833.5	12992.8	12218.6	11385.3	11215.7
57.5°	18169.3	19120.6	*19238.6*	16937.9	14157.9	12779.0	11540.2	10301.4	9512.4	9372.3
60°	*17114.9*	*21288.5*	*21347.5*	*16842.0*	*12882.2*	*10876.5*	*8988.8*	*8111.3*	*7263.3*	*7020.0*
62.5°	15662.2	20838.7	*20787.1*	16266.9	10257.1	7934.3	6828.2	6415.3	5759.0	5559.9
65°	13464.8	17358.2	*17417.2*	14054.7	6820.9	5736.9	5736.9	5213.4	4483.3	4343.2
67.5°	10972.4	13383.7	*13250.9*	9114.2	4188.4	4594.0	4815.2	4063.0	3038.1	2868.5
70°	7130.6	10220.3	*10035.9*	5257.6	2632.5	3827.1	3790.2	3052.8	2175.3	2057.3
72.5°	3067.6	5906.5	*6282.6*	2684.1	1983.6	3082.3	3023.3	2138.4	1452.7	1401.0
75°	1850.9	2971.7	*3237.2*	1710.7	1445.3	2322.8	2094.2	1356.8	988.1	951.2
77.5°	1172.5	1629.6	*1614.9*	1283.1	1084.0	1570.6	1408.4	936.5	671.0	641.5
80°	678.4	803.8	*833.3*	803.8	730.0	1120.8	899.6	678.4	523.5	486.7
82.5°	435.1	501.4	*508.8*	390.8	405.6	722.6	486.7	398.2	302.3	272.8
85°	191.7	213.8	*206.5*	132.7	132.7	295.0	169.6	162.2	118.0	118.0
87.5°	7.4	14.7	*7.4*	7.4	7.4	29.5	14.7	22.1	22.1	22.1
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: SP1-2407-184-9

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

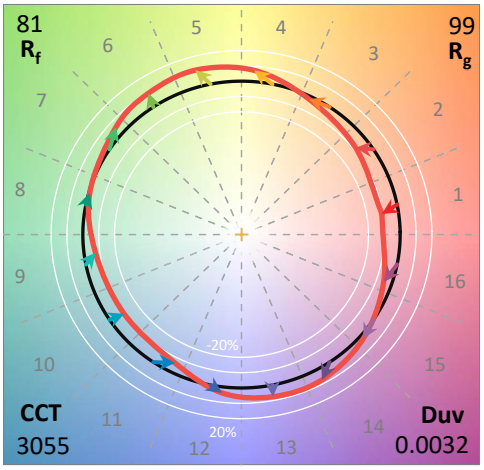
Test Information

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

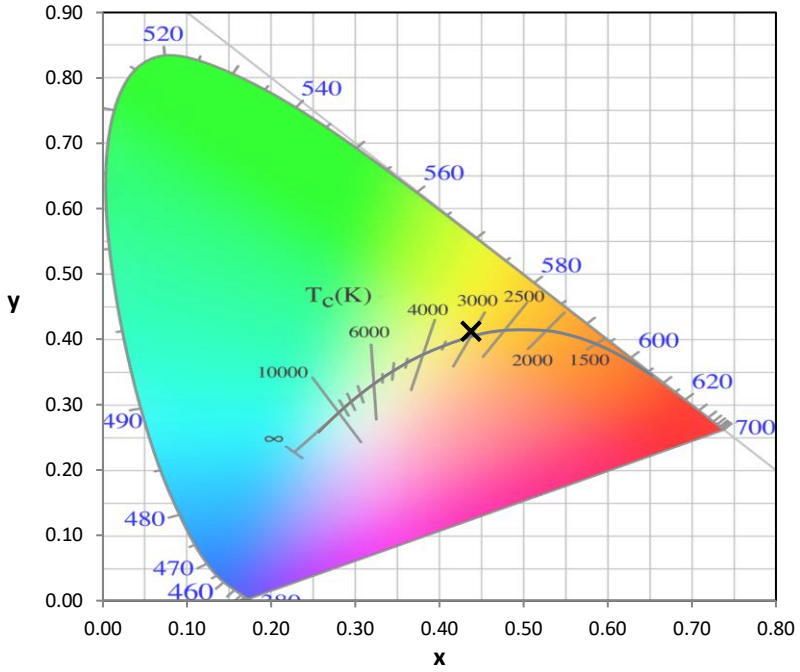
Stabilization Time:	20M
Operation Time:	1H 20M
Sphere Temperature (°C):	25.2

REPORT NUMBER: SP1-2407-184-9

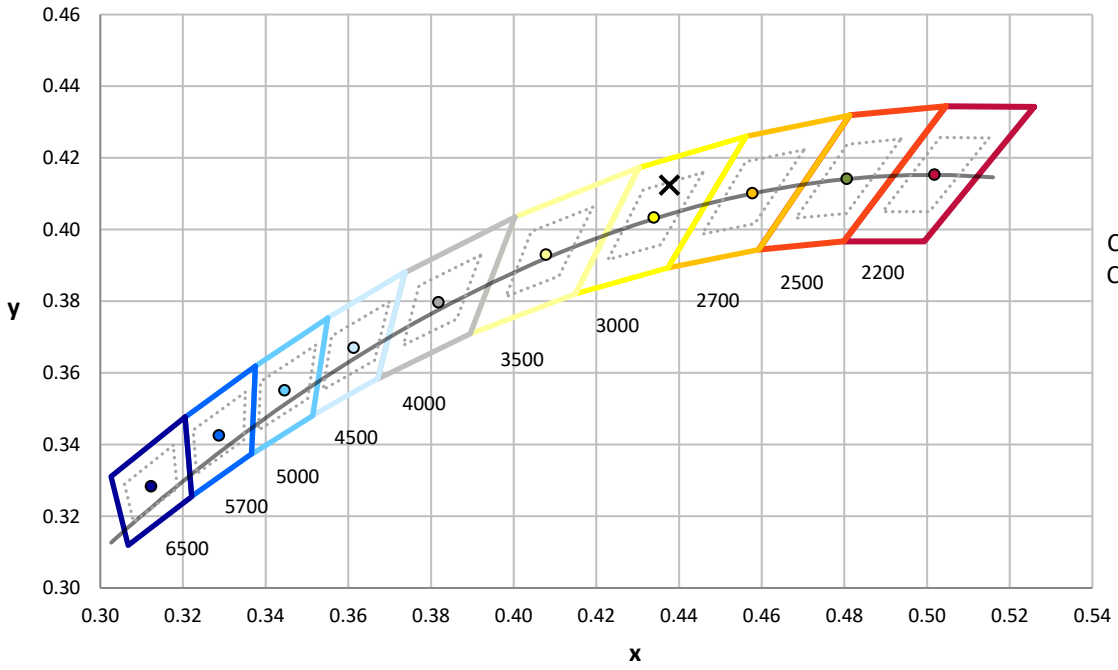
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

REPORT NUMBER: SP1-2407-184-9

CIE 1931 Chromaticity Diagram



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

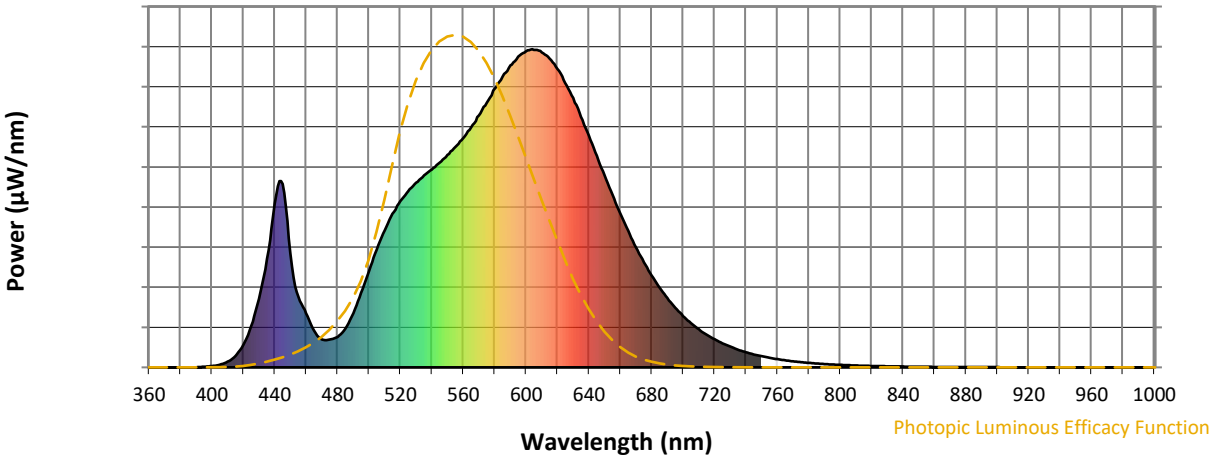


CCT = 3055K
CIE x = 0.4377
CIE y = 0.4124
Duv = 0.0032

Point lies inside the ANSI 3000K 4-step quadrangle

REPORT NUMBER: SP1-2407-184-9

Photopic Flux vs. Wavelength

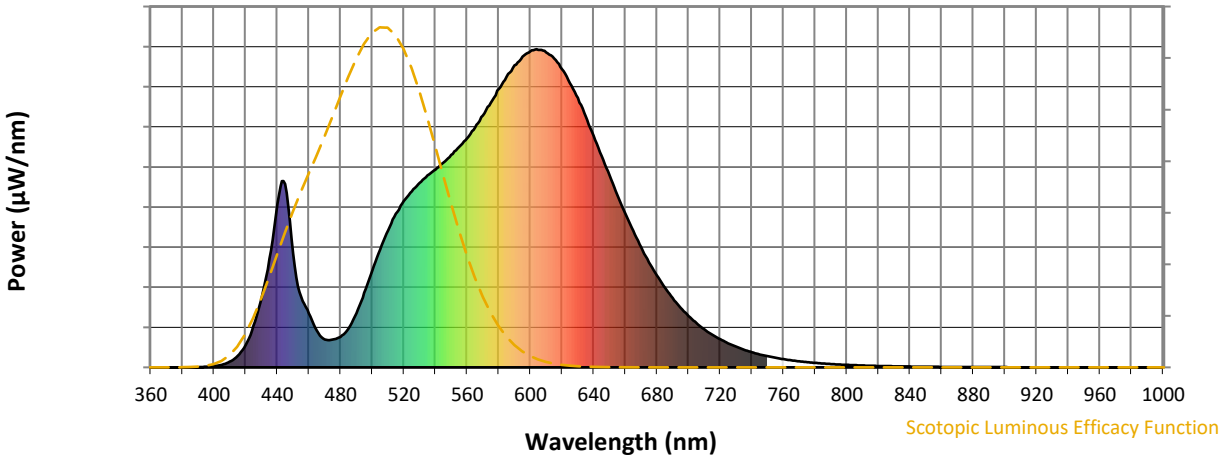


Photopic Lumens: NR

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

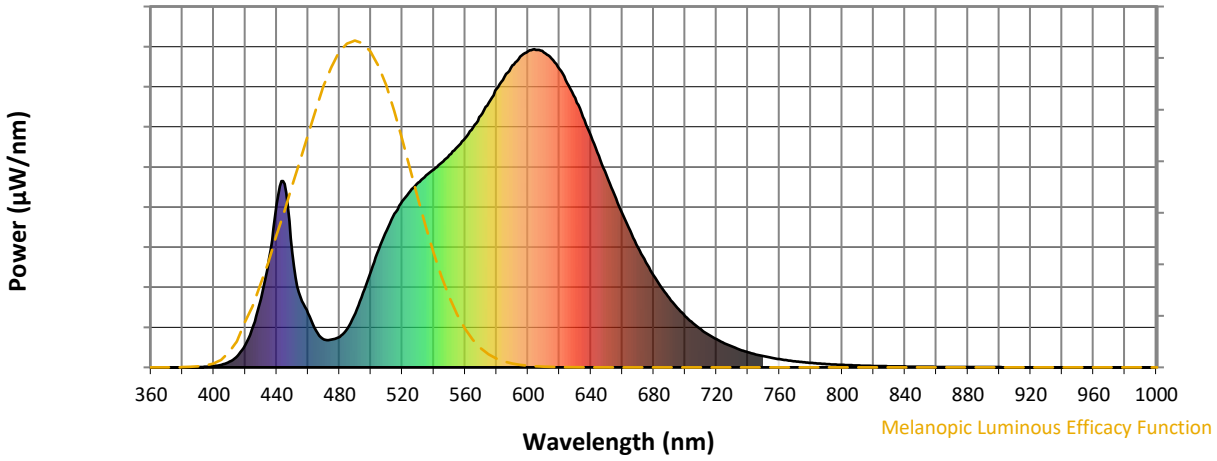


Scotopic Lumens: NR **S/P: 1.28**

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			

REPORT NUMBER: SP1-2407-184-9

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			

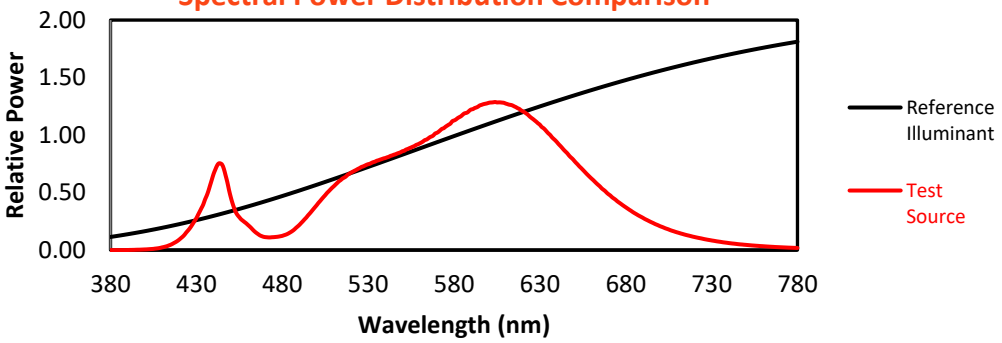
REPORT NUMBER: SP1-2407-184-9

TM-30-18

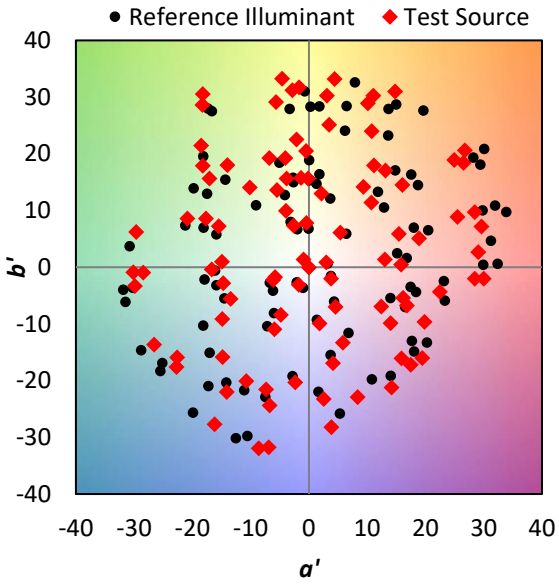
Summary

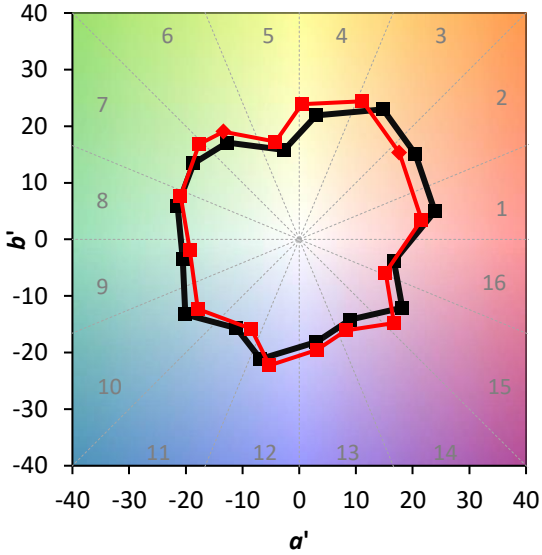
R_f = 81.5
R_g = 99.2
CIE R_a = 80.9
R_9 = 6.8

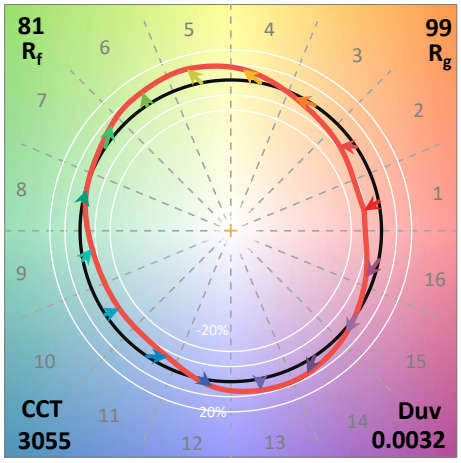
Spectral Power Distribution Comparison

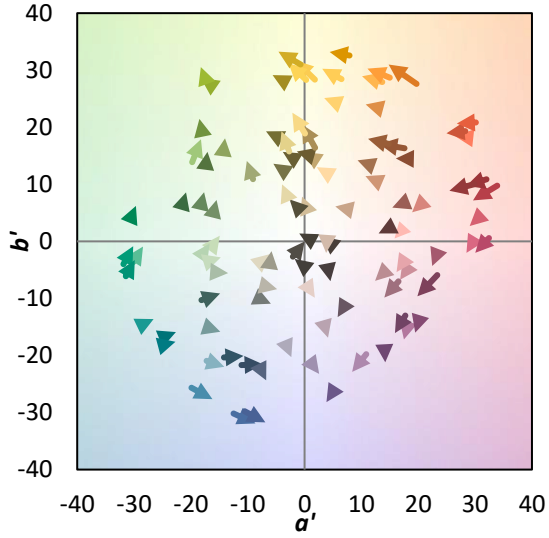


Color Vector Graphics







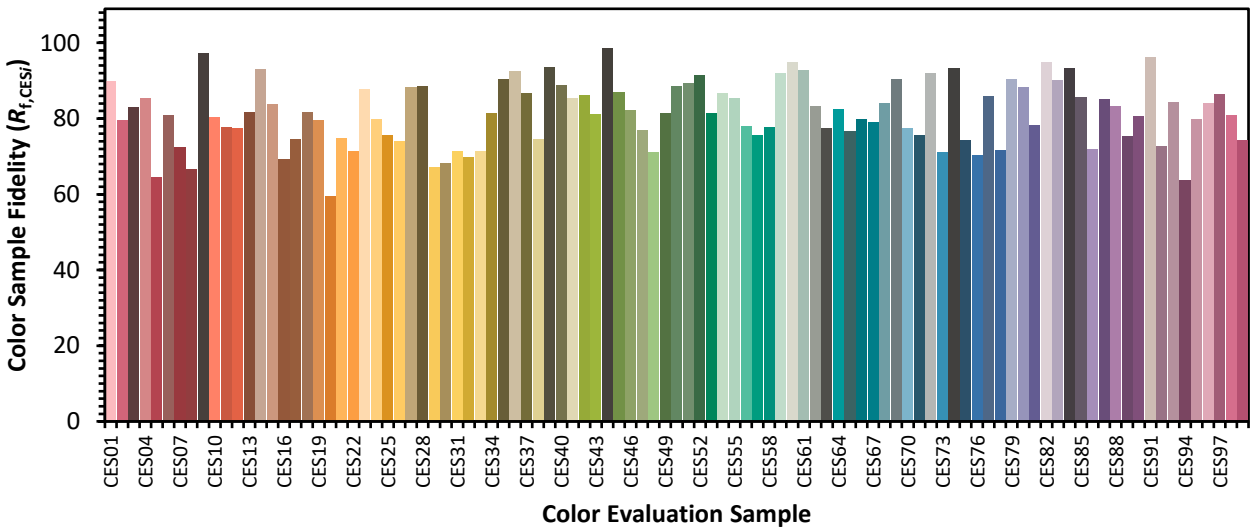


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Individual Sample Fidelity Index ($R_{f,i}$)

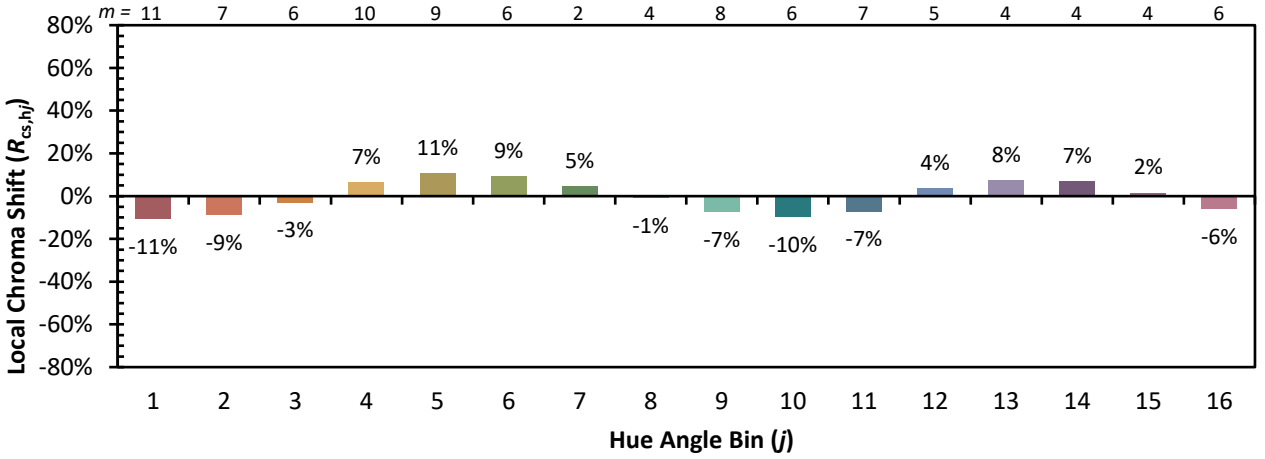
CES01 = 86	CES26 = 74	CES51 = 89	CES76 = 70
CES02 = 63	CES27 = 88	CES52 = 91	CES77 = 86
CES03 = 31	CES28 = 89	CES53 = 81	CES78 = 72
CES04 = 70	CES29 = 67	CES54 = 87	CES79 = 90
CES05 = 50	CES30 = 68	CES55 = 85	CES80 = 88
CES06 = 51	CES31 = 71	CES56 = 78	CES81 = 78
CES07 = 42	CES32 = 70	CES57 = 76	CES82 = 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	

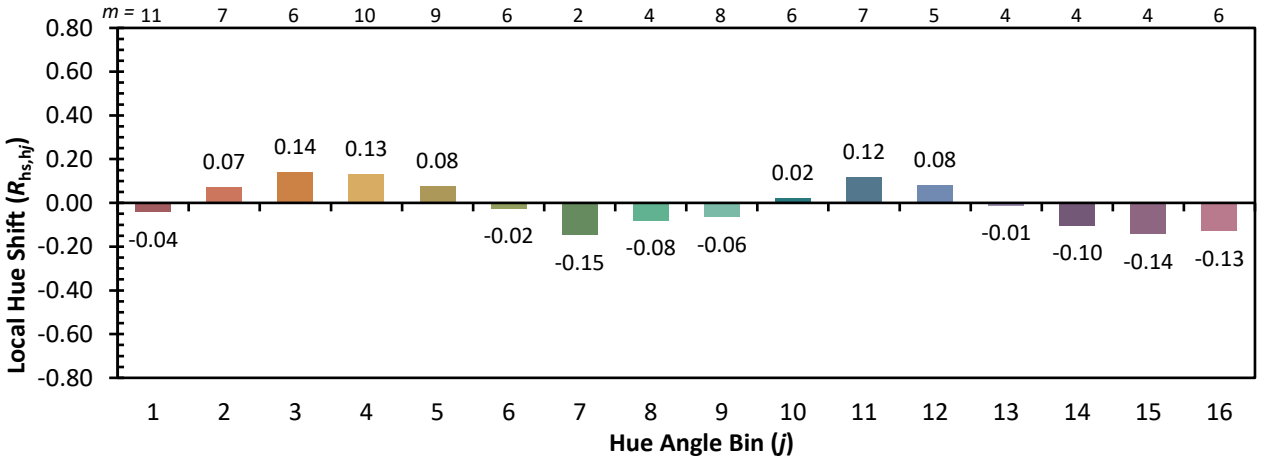


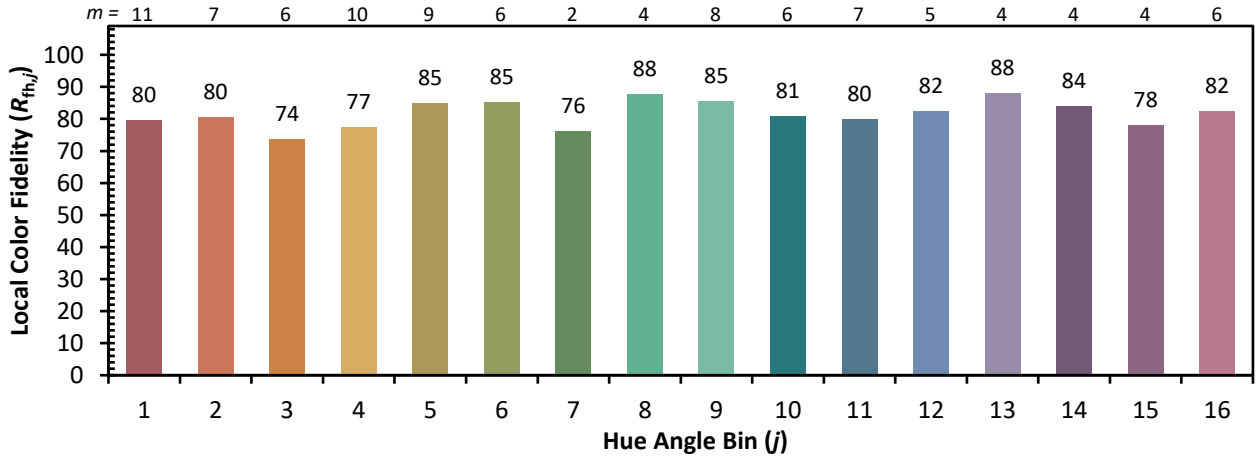
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Color Rendition by Hue-Angle Bin



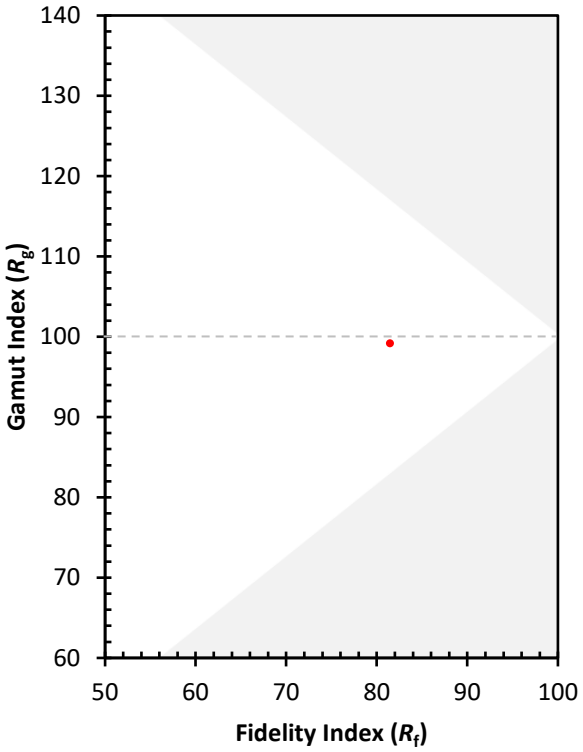


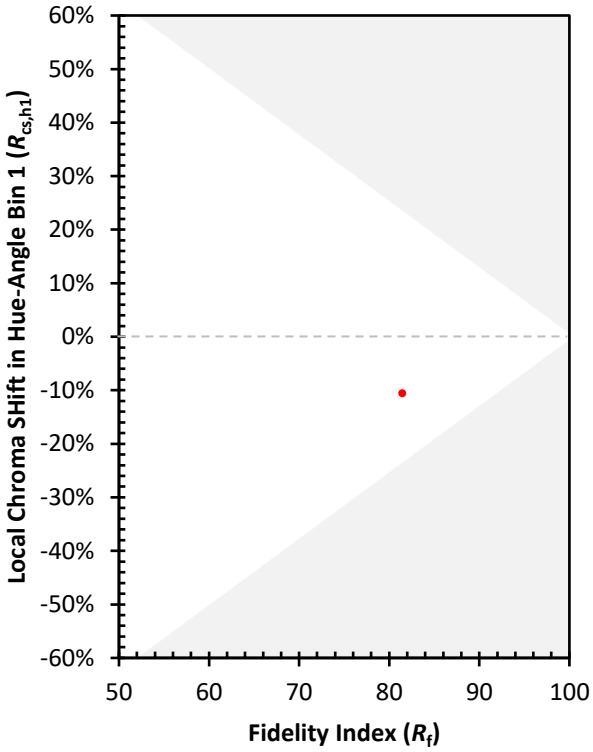


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Measure Comparisons





(END OF REPORT)