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: P1501504

Luminaire Tested: GSS-SB3D-827-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:	P1501504
Test Lab:	INNOVATION CENTER(G1)
Issue Date:	7/20/2026
Manufacturer:	COOPER LIGHTING SOLUTIONS
Product Line:	McGRAW-EDISON
Catalog Number:	GSS-SB3D-827-U-T2LG
Description:	GALLEON II SLIM SITE HIGH DENSITY LED ARRAYS 3SQUARE 219W 80CRI 2700K FIXTURE w/ TYPE II LOW GLARE DISTRIBUTION FIXTURE
Light Source:	(78) 2700K CCT, 80 CRI LEDS
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	24791.2 lumens
Efficiency:	N/A
Efficacy:	113.2 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

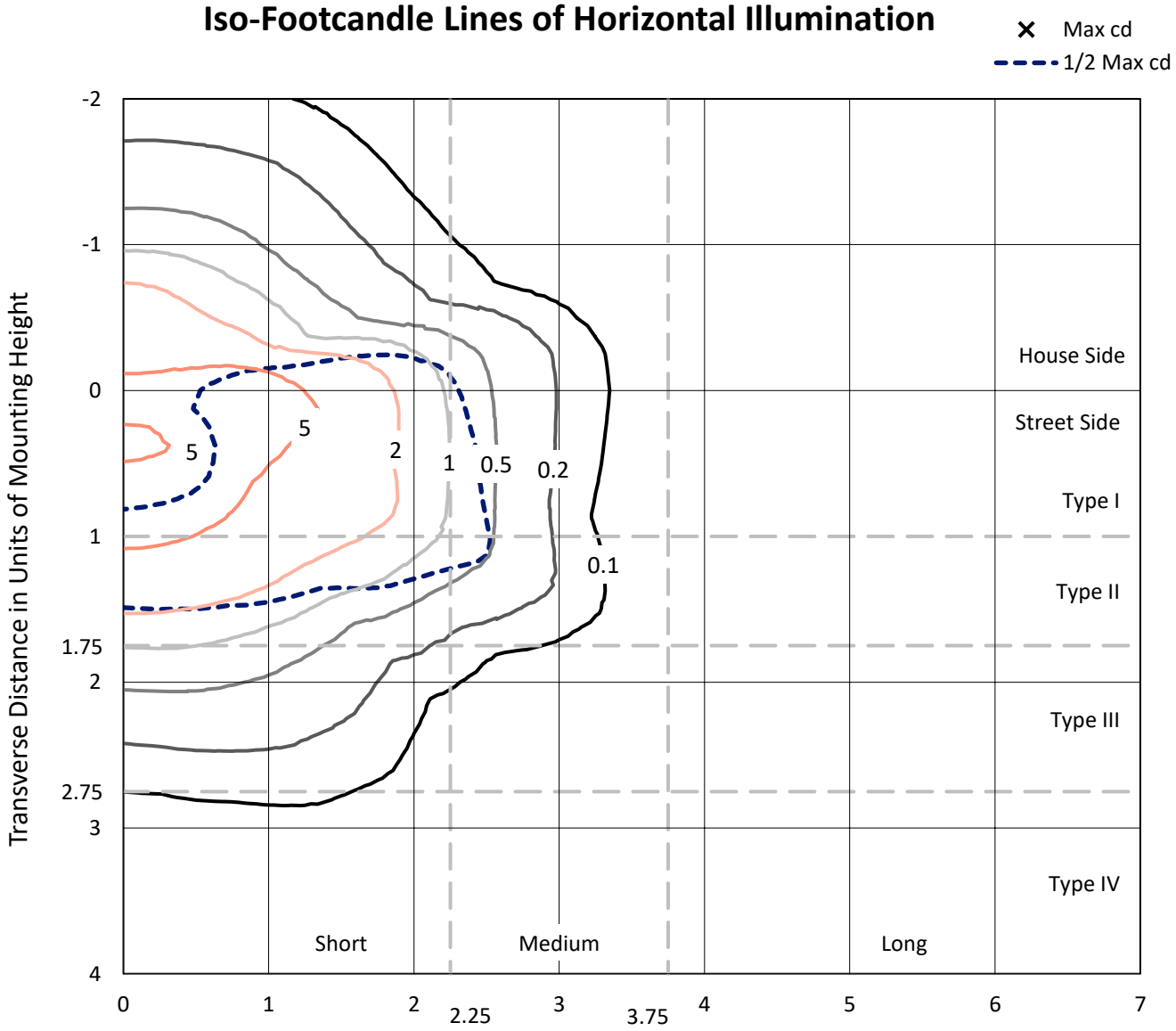
Input Watts (W):	219
Input Voltage (V):	120
Input Current (Ain):	NR
Voltage Rise (V):	NR
Power Factor:	0.98
Total Harmonic Distortion (THDi):	2.5%
Frequency (hertz):	60
Stabilization Time:	NR
Operation Time:	NR
Ambient Temperature (°C):	NR
Test Distance:	28.75 FT

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Iso-Footcandle Lines of Horizontal Illumination



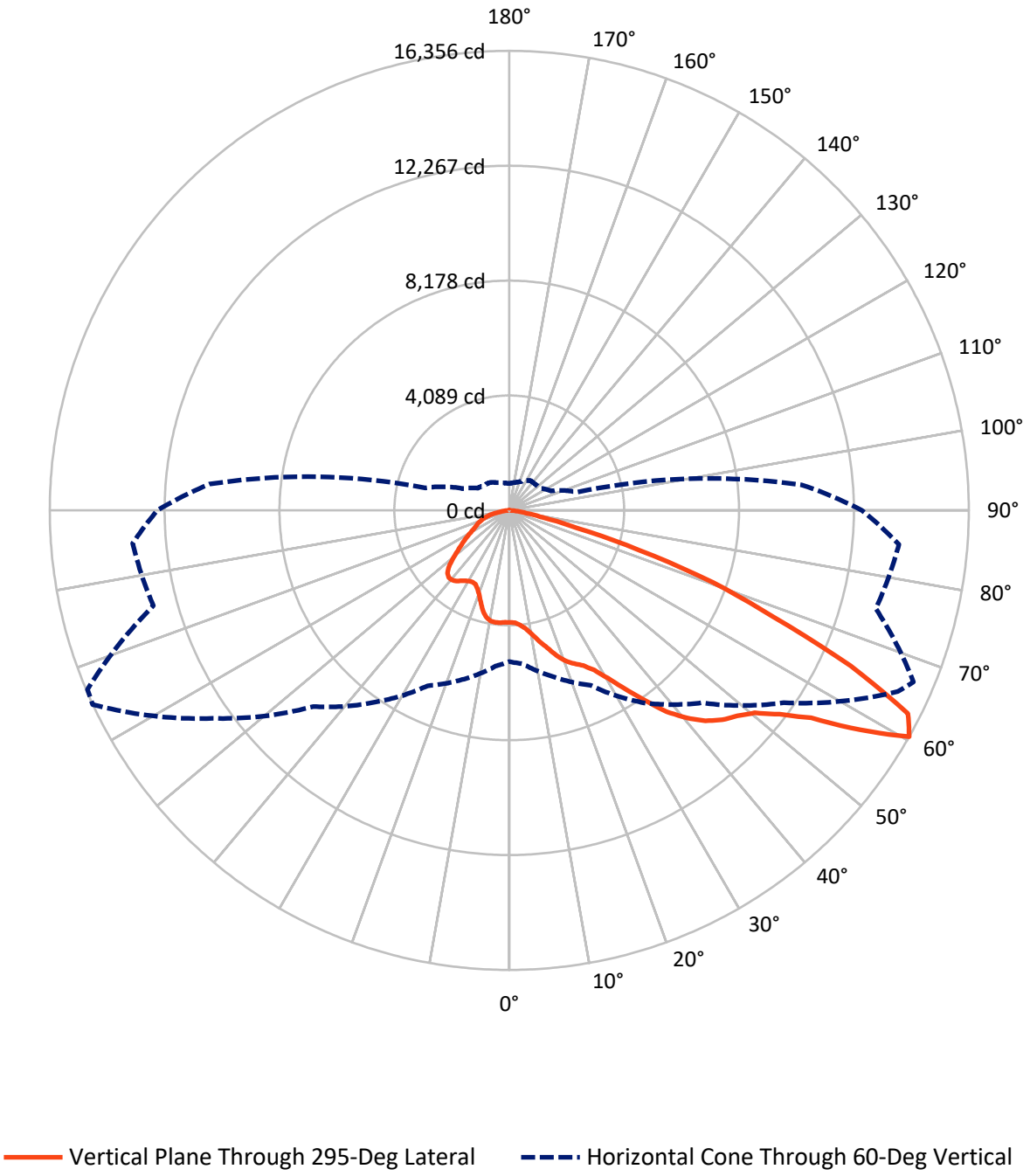
Based on 25 foot mounting height. Maximum calculated value = 9.6 fc
Type II - Short - N/A

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Luminous Intensity Polar Plot



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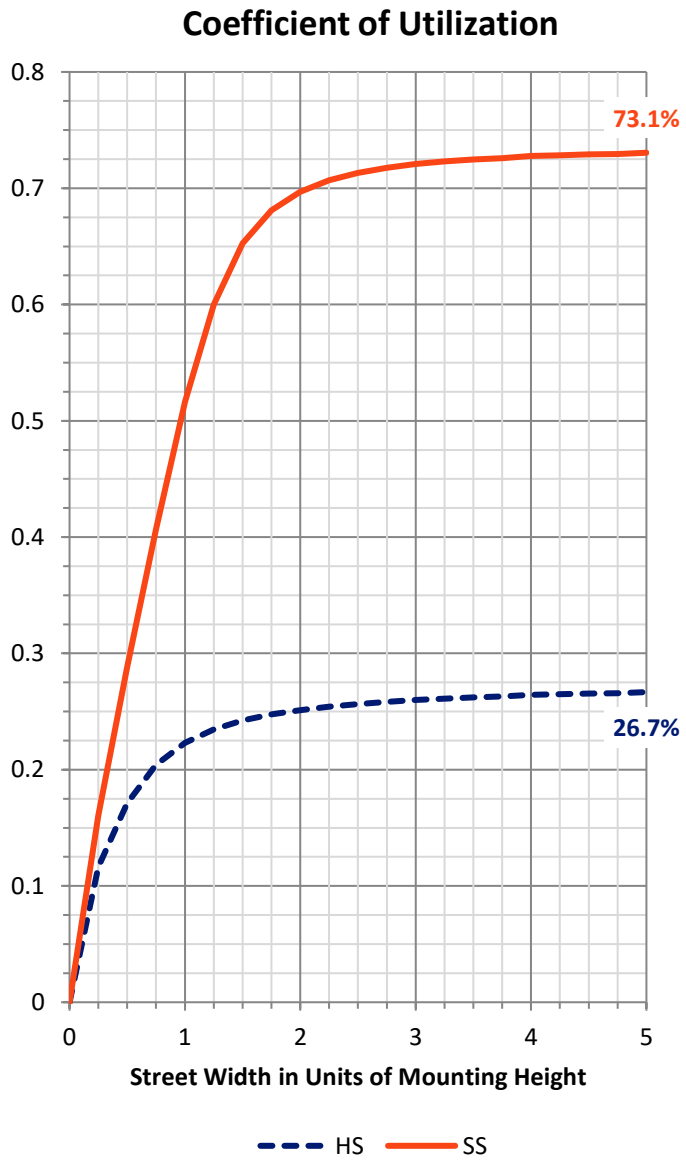
REPORT NUMBER: P1501504
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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	6666.7	0.0	6666.7
	% Fixture	26.9	0.0	26.9
Street Side	Lumens	18124.6	0.0	18124.6
	% Fixture	73.1	0.0	73.1
Total	Lumens	24791.2	0.0	24791.2
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	375.0	1.5
10°-20°	1078.1	4.3
20°-30°	2042.1	8.2
30°-40°	3600.2	14.5
40°-50°	5324.3	21.5
50°-60°	6252.2	25.2
60°-70°	4530.0	18.3
70°-80°	1397.0	5.6
80°-90°	192.3	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°	24791.2	100.0
0°-180°	24791.2	100.0



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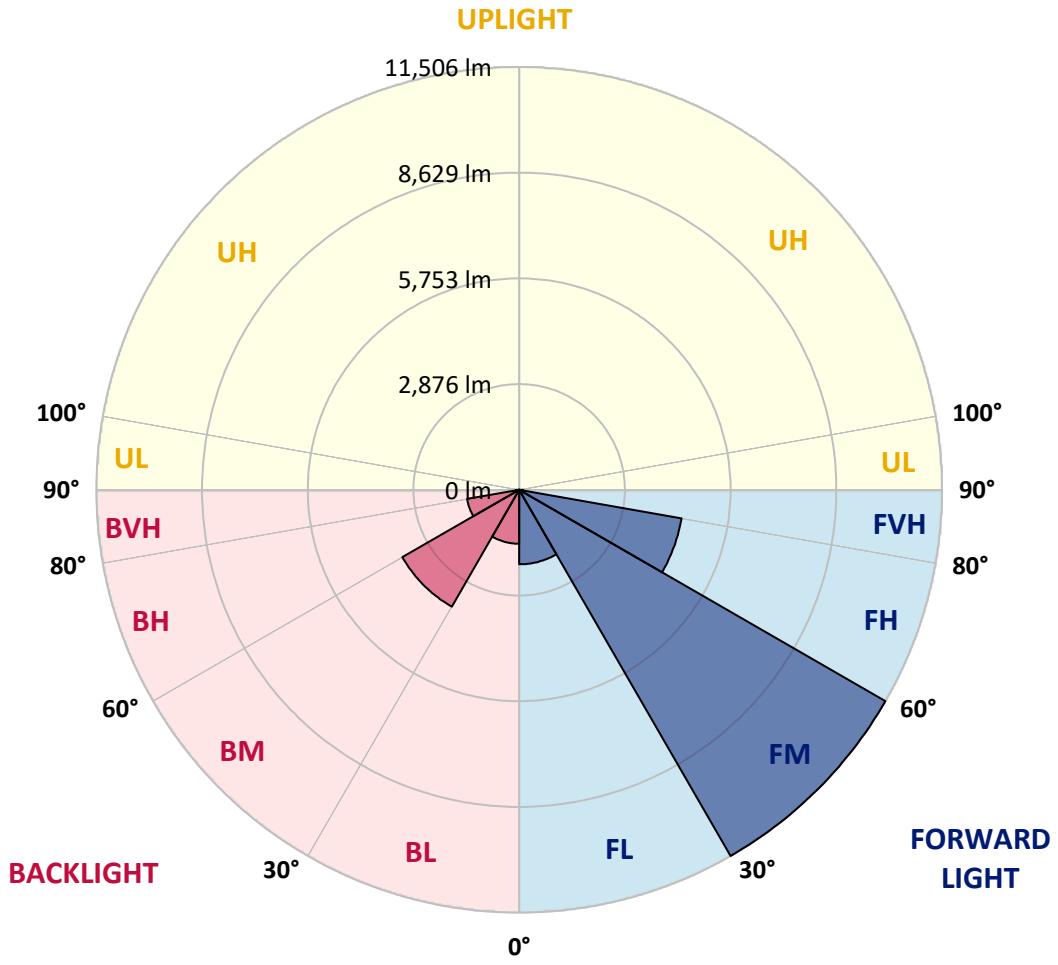
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	2027.1	8.2			
FM	(30°-60°)	11505.8	46.4			
FH	(60°-80°)	4488.0	18.1			G2/5000
FVH	(80°-90°)	103.7	0.4			G2/225
BL	(0°-30°)	1468.2	5.9	B3/2500		
BM	(30°-60°)	3670.9	14.8	B3/5000		
BH	(60°-80°)	1439.0	5.8	B3/2500		G3/2500
BVH	(80°-90°)	88.6	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°	3988.8	3988.8	3988.8	3988.8	3988.8	3988.8	3988.8	3988.8	3988.8	3988.8	3988.8
2.5°	4067.9	4079.2	4062.2	4073.5	4073.5	4056.6	4050.9	4028.3	4039.6	4034.0	4028.3
5°	4163.9	4169.6	4158.3	4175.2	4175.2	4180.9	4175.2	4147.0	4147.0	4147.0	4135.7
7.5°	4135.7	4135.7	4141.3	4197.8	4254.3	4327.8	4327.8	4316.5	4327.8	4322.1	4271.3
10°	3898.4	3921.0	3971.8	4113.1	4248.7	4406.9	4514.2	4548.1	4548.1	4553.8	4469.0
12.5°	3474.7	3491.6	3610.3	3825.0	4107.4	4395.6	4655.5	4825.0	4841.9	4870.2	4757.2
15°	3096.1	3107.4	3192.2	3412.5	3734.6	4243.0	4734.6	5084.9	5141.4	5260.0	5090.5
17.5°	3130.0	3124.4	3147.0	3231.7	3463.4	3994.4	4717.6	5390.0	5491.7	5700.7	5553.8
20°	3333.4	3333.4	3350.4	3367.3	3452.1	3813.7	4593.3	5638.6	5836.3	6243.1	6073.6
22.5°	3655.5	3655.5	3649.8	3678.1	3678.1	3892.7	4599.0	5825.0	6118.8	6847.6	6683.8
25°	4101.8	4079.2	4079.2	4090.5	4039.6	4192.2	4740.2	6017.1	6401.3	7565.2	7423.9
27.5°	4604.6	4621.6	4610.3	4570.7	4502.9	4621.6	5079.2	6316.5	6717.7	8322.2	8265.7
30°	5152.7	5158.3	5169.6	5147.0	5090.5	5175.3	5610.3	6768.5	7135.8	9113.2	9237.5
32.5°	5689.4	5768.5	5740.3	5683.8	5706.4	5858.9	6265.7	7378.7	7757.3	9847.7	10288.4
35°	6373.0	6401.3	6514.3	6305.2	6310.9	6570.8	7101.9	8181.0	8548.2	10610.4	11339.3
37.5°	7367.4	7418.3	7367.4	7039.7	6988.9	7350.5	7915.4	8972.0	9237.5	11186.7	12316.7
40°	8344.8	8407.0	8491.7	8107.5	7785.5	8084.9	8683.8	9576.5	9853.3	11503.1	12966.4
42.5°	9152.8	9254.5	9164.1	9051.1	8757.3	8813.8	9220.6	10045.4	10322.3	11904.2	13621.8
45°	9836.4	9853.3	9892.9	9813.8	9666.9	9616.1	9678.2	10457.9	10763.0	12085.0	13943.8
47.5°	10118.9	10192.3	10226.2	10361.8	10514.4	10412.7	10068.0	10650.0	10926.8	12073.7	14045.5
50°	9966.3	10039.8	10220.6	10542.6	10909.9	11090.7	10525.7	10915.5	11226.3	12277.1	14254.6
52.5°	9565.2	9644.3	9938.1	10305.3	10921.2	11333.6	11169.8	11469.2	11768.6	12638.7	14604.9
55°	8593.4	8712.1	9124.5	9734.7	10582.2	11203.7	11847.7	12282.8	12610.5	13073.8	14966.5
57.5°	7181.0	7305.3	7768.5	8683.8	9955.0	10666.9	12045.5	13808.2	13955.1	13593.5	15000.4
60°	*5378.7*	*5480.4*	*6135.7*	*6870.2*	*8361.8*	*9683.9*	*11932.5*	*15254.6*	*15627.5*	*13503.2*	*13921.2*
62.5°	4260.0	4384.3	4966.2	5305.2	6373.0	8000.2	11537.0	15655.7	15977.8	12757.4	12418.4
65°	3327.8	3412.5	3954.9	4440.8	4700.7	5463.4	9887.2	13695.2	13983.4	11542.7	10248.8
67.5°	2197.8	2327.7	2971.8	3638.5	3774.1	3474.7	6802.4	10537.0	10672.6	9175.4	7706.4
70°	1576.3	1638.5	2118.7	2830.6	3034.0	2327.7	3706.3	7977.6	8017.1	6158.3	5192.2
72.5°	1073.5	1084.8	1440.7	2169.5	2418.1	1689.3	2039.6	5254.4	5118.8	3039.6	2971.8
75°	728.8	740.1	920.9	1446.4	1711.9	1175.2	1327.7	2864.5	2751.5	1678.0	1802.3
77.5°	491.5	502.8	632.8	971.8	1141.3	813.6	971.8	1514.2	1485.9	1113.0	966.1
80°	372.9	389.8	468.9	621.5	796.6	474.6	553.7	717.5	728.8	593.2	491.5
82.5°	209.0	231.6	282.5	316.4	514.1	265.5	265.5	429.4	412.4	367.2	265.5
85°	90.4	96.0	113.0	118.6	209.0	113.0	96.0	186.4	192.1	180.8	84.7
87.5°	16.9	16.9	16.9	16.9	16.9	16.9	16.9	22.6	22.6	22.6	22.6
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°	3988.8	3988.8	3988.8	3988.8	3988.8	3988.8	3988.8	3988.8	3988.8	3988.8	3988.8
2.5°	4000.1	4034.0	4000.1	3983.1	3983.1	3954.9	3943.6	3943.6	3904.0	3921.0	3909.7
5°	4090.5	4101.8	4062.2	4011.4	3943.6	3887.1	3808.0	3706.3	3644.2	3638.5	3644.2
7.5°	4231.7	4237.4	4130.0	4017.0	3847.6	3644.2	3401.2	3203.5	3028.3	3000.1	3034.0
10°	4429.5	4418.2	4260.0	3994.4	3638.5	3209.1	2836.2	2655.4	2553.7	2548.1	2542.4
12.5°	4695.0	4621.6	4378.6	3898.4	3276.9	2779.7	2587.6	2576.3	2604.6	2627.2	2632.8
15°	5000.1	4904.1	4474.7	3712.0	2909.7	2621.5	2632.8	2728.9	2762.8	2785.4	2785.4
17.5°	5378.7	5254.4	4582.0	3446.4	2723.2	2655.4	2734.5	2824.9	2881.4	2904.0	2898.4
20°	5881.5	5621.6	4666.8	3192.2	2672.4	2711.9	2779.7	2870.1	2926.6	2954.9	2954.9
22.5°	6384.3	6062.3	4683.7	3017.0	2672.4	2717.6	2779.7	2870.1	2932.3	2960.5	2954.9
25°	7068.0	6627.3	4689.4	2892.7	2678.0	2689.3	2745.8	2824.9	2915.3	2943.6	2954.9
27.5°	7796.8	7248.8	4717.6	2864.5	2655.4	2649.8	2689.3	2762.8	2853.2	2926.6	2932.3
30°	8700.8	7949.3	4728.9	2892.7	2661.1	2587.6	2615.9	2689.3	2785.4	2858.8	2881.4
32.5°	9587.8	8599.1	4706.3	2954.9	2672.4	2548.1	2553.7	2598.9	2700.6	2751.5	2791.0
35°	10525.7	9288.4	4666.8	3039.6	2678.0	2531.1	2480.3	2502.9	2570.7	2576.3	2593.3
37.5°	11260.2	9802.5	4548.1	3152.6	2689.3	2469.0	2367.3	2350.3	2322.1	2265.6	2276.9
40°	11864.7	10147.1	4350.4	3209.1	2661.1	2395.5	2226.0	2146.9	2039.6	1954.8	1971.8
42.5°	12299.7	10378.8	4113.1	3220.4	2615.9	2271.2	2062.2	1926.6	1808.0	1717.6	1723.2
45°	12491.8	10356.2	3858.9	3135.7	2508.5	2118.7	1909.7	1779.7	1649.8	1553.7	1542.4
47.5°	12497.5	10135.8	3508.6	2932.3	2327.7	1943.5	1768.4	1627.2	1519.8	1452.0	1446.4
50°	12542.7	10011.5	3180.9	2638.5	2090.4	1757.1	1644.1	1502.9	1440.7	1344.7	1316.4
52.5°	12825.2	10214.9	2954.9	2316.4	1870.1	1621.5	1536.8	1412.5	1310.8	1248.6	1243.0
55°	13282.8	10565.2	2830.6	2073.5	1661.1	1491.6	1435.1	1327.7	1237.3	1175.2	1158.2
57.5°	13339.3	10746.0	2683.7	1847.5	1491.6	1389.9	1367.3	1248.6	1118.7	1073.5	1056.5
60°	*12548.3*	*10440.9*	*2502.9*	*1638.5*	*1367.3*	*1310.8*	*1299.5*	*1141.3*	*1033.9*	*977.4*	*954.8*
62.5°	11469.2	9678.2	2226.0	1446.4	1271.2	1231.7	1186.5	1062.2	926.6	864.4	847.5
65°	9373.1	8135.8	1892.7	1316.4	1175.2	1130.0	1118.7	949.2	858.8	824.9	819.2
67.5°	7101.9	6536.9	1666.7	1220.4	1073.5	1056.5	1017.0	960.5	920.9	881.4	870.1
70°	5022.7	4717.6	1418.1	1096.1	971.8	943.5	1107.4	1045.2	904.0	853.1	847.5
72.5°	3045.3	2960.5	1226.0	983.1	836.2	881.4	1022.6	943.5	813.6	751.4	728.8
75°	1921.0	1757.1	1028.3	836.2	666.7	717.5	892.7	841.8	700.6	638.4	621.5
77.5°	1045.2	971.8	774.0	683.6	525.4	581.9	779.7	694.9	559.3	610.2	542.4
80°	457.6	508.5	514.1	395.5	350.3	429.4	559.3	542.4	429.4	435.0	361.6
82.5°	220.3	288.1	333.3	271.2	197.7	254.2	372.9	310.7	288.1	271.2	259.9
85°	67.8	107.3	146.9	129.9	90.4	107.3	175.1	169.5	203.4	175.1	163.8
87.5°	22.6	22.6	16.9	16.9	16.9	22.6	28.2	16.9	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°	3988.8	3988.8	3988.8	3988.8	3988.8	3988.8	3988.8	3988.8	3988.8	3988.8	3988.8
2.5°	3904.0	3909.7	3909.7	3915.3	3915.3	3932.3	3954.9	3977.5	3960.5	3983.1	3988.8
5°	3632.9	3661.1	3683.7	3768.5	3836.3	3892.7	3954.9	4011.4	4028.3	4039.6	4067.9
7.5°	2994.4	3073.5	3220.4	3412.5	3627.2	3836.3	3977.5	4124.4	4147.0	4175.2	4214.8
10°	2548.1	2582.0	2683.7	2881.4	3265.6	3678.1	4022.7	4254.3	4350.4	4406.9	4446.4
12.5°	2621.5	2598.9	2582.0	2610.2	2858.8	3389.9	3994.4	4440.8	4621.6	4683.7	4734.6
15°	2796.7	2774.1	2711.9	2632.8	2661.1	3084.8	3898.4	4615.9	4904.1	5005.8	5113.1
17.5°	2898.4	2875.8	2824.9	2740.2	2666.7	2830.6	3717.6	4774.1	5350.4	5474.7	5627.3
20°	2954.9	2932.3	2881.4	2796.7	2711.9	2734.5	3486.0	4971.9	5858.9	6056.6	6282.6
22.5°	2966.2	2937.9	2881.4	2796.7	2745.8	2728.9	3265.6	5090.5	6406.9	6712.0	6971.9
25°	2960.5	2909.7	2836.2	2774.1	2745.8	2740.2	3113.1	5158.3	7000.2	7486.1	7779.8
27.5°	2921.0	2858.8	2785.4	2740.2	2728.9	2762.8	3045.3	5237.4	7695.1	8316.6	8785.5
30°	2875.8	2785.4	2695.0	2678.0	2706.3	2813.6	3101.8	5265.7	8423.9	9220.6	9700.8
32.5°	2757.1	2689.3	2598.9	2593.3	2661.1	2853.2	3231.7	5226.1	9068.0	10124.5	10729.1
35°	2587.6	2548.1	2497.2	2514.2	2621.5	2887.1	3322.1	5101.8	9655.6	10966.4	11672.6
37.5°	2288.2	2316.4	2344.7	2384.2	2519.8	2881.4	3361.7	4904.1	10141.5	11638.7	12542.7
40°	1954.8	2050.9	2141.3	2243.0	2423.8	2836.2	3373.0	4661.1	10424.0	12147.2	13316.7
42.5°	1745.8	1836.2	1949.2	2096.1	2293.8	2734.5	3361.7	4389.9	10514.4	12497.5	13808.2
45°	1553.7	1661.1	1802.3	1954.8	2180.8	2587.6	3260.0	4096.1	10559.6	12661.3	14017.3
47.5°	1452.0	1514.2	1644.1	1796.7	2033.9	2406.8	3062.2	3881.4	10491.8	12695.2	14271.5
50°	1333.4	1418.1	1502.9	1649.8	1881.4	2180.8	2824.9	3757.2	10604.8	13028.6	14672.7
52.5°	1243.0	1288.2	1378.6	1514.2	1683.7	1971.8	2598.9	3655.5	10915.5	13367.6	15090.8
55°	1175.2	1226.0	1282.5	1395.5	1525.5	1762.8	2367.3	3502.9	11277.1	13729.1	15508.9
57.5°	1067.8	1101.7	1180.8	1299.5	1384.2	1559.4	2096.1	3322.1	11248.9	13446.7	14785.7
60°	*971.8*	*1005.7*	*1090.4*	*1209.1*	*1259.9*	*1378.6*	*1830.6*	*3090.5*	*10706.5*	*12525.7*	*13452.3*
62.5°	864.4	904.0	1005.7	1090.4	1135.6	1226.0	1553.7	2666.7	9576.5	11141.5	11892.9
65°	819.2	841.8	909.6	1011.3	1005.7	1090.4	1310.8	2096.1	7706.4	8514.3	9198.0
67.5°	870.1	904.0	892.7	920.9	904.0	949.2	1175.2	1683.7	6056.6	6412.6	6808.1
70°	858.8	937.9	977.4	920.9	791.0	841.8	1017.0	1344.7	4333.4	4299.5	4282.6
72.5°	751.4	830.5	943.5	1000.0	774.0	700.6	881.4	1163.9	2779.7	2768.4	2502.9
75°	638.4	694.9	830.5	904.0	666.7	565.0	757.1	988.7	1661.1	1683.7	1502.9
77.5°	587.6	559.3	694.9	796.6	542.4	435.0	610.2	745.8	915.3	926.6	858.8
80°	423.7	406.8	519.8	581.9	412.4	310.7	344.6	463.3	491.5	440.7	457.6
82.5°	271.2	276.8	310.7	372.9	254.2	169.5	237.3	310.7	265.5	214.7	254.2
85°	175.1	197.7	163.8	192.1	79.1	79.1	101.7	135.6	90.4	62.1	67.8
87.5°	0.0	0.0	11.3	22.6	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: P1501504
CATALOG NUMBER: GSS-SB3D-827-U-T2LG

CANDELA DISTRIBUTION (continued):

	285°	293°	295°	305°	315°	325°	335°	345°	355°	360°
0°	3988.8	3988.8	*3988.8*	3988.8	3988.8	3988.8	3988.8	3988.8	3988.8	3988.8
2.5°	4005.7	4000.1	*4000.1*	4011.4	4039.6	4050.9	4067.9	4062.2	4079.2	4067.9
5°	4084.8	4090.5	*4107.4*	4113.1	4130.0	4152.6	4158.3	4152.6	4163.9	4163.9
7.5°	4243.0	4265.6	*4254.3*	4282.6	4260.0	4231.7	4186.5	4152.6	4124.4	4135.7
10°	4508.6	4497.3	*4491.6*	4440.8	4339.1	4192.2	4073.5	3943.6	3921.0	3898.4
12.5°	4802.4	4791.1	*4791.1*	4615.9	4327.8	4022.7	3751.5	3548.1	3480.3	3474.7
15°	5214.8	5141.4	*5073.6*	4706.3	4130.0	3610.3	3293.9	3135.7	3096.1	3096.1
17.5°	5729.0	5536.9	*5423.9*	4638.5	3808.0	3339.1	3152.6	3113.1	3101.8	3130.0
20°	6367.4	5881.5	*5717.7*	4486.0	3689.4	3373.0	3282.6	3288.2	3293.9	3333.4
22.5°	7068.0	6197.9	*5926.7*	4486.0	3808.0	3587.7	3542.5	3604.6	3621.6	3655.5
25°	7847.6	6480.4	*6113.1*	4723.3	4158.3	3994.4	3937.9	4000.1	4045.3	4101.8
27.5°	8723.4	6774.2	*6435.2*	5152.7	4610.3	4508.6	4446.4	4474.7	4536.8	4604.6
30°	9508.7	7265.7	*6926.7*	5808.1	5226.1	5101.8	4994.5	5039.7	5107.5	5152.7
32.5°	10203.6	7864.6	*7576.5*	6497.3	5932.3	5717.7	5599.0	5587.7	5723.3	5689.4
35°	10842.1	8570.8	*8294.0*	7282.7	6649.9	6384.3	6226.1	6429.5	6339.1	6373.0
37.5°	11344.9	9305.3	*9085.0*	8034.1	7395.7	7034.1	6938.0	7186.6	7327.9	7367.4
40°	11757.3	9943.7	*9712.1*	8779.9	8079.3	7813.7	7966.3	8378.7	8361.8	8344.8
42.5°	12073.7	10491.8	*10237.5*	9344.9	8734.7	8785.5	8904.2	9181.0	9248.8	9152.8
45°	12215.0	10836.4	*10633.0*	9791.2	9480.5	9774.2	9825.1	9943.7	9898.5	9836.4
47.5°	12378.8	11141.5	*10926.8*	10198.0	10288.4	10576.5	10474.8	10378.8	10214.9	10118.9
50°	12655.7	11503.1	*11322.3*	10791.2	11118.9	11022.9	10627.4	10412.7	10079.3	9966.3
52.5°	13181.1	12186.7	*12051.1*	11729.1	11508.8	10955.1	10474.8	10090.6	9717.7	9565.2
55°	13650.0	13113.3	*13034.2*	12604.8	11390.1	10599.1	9955.0	9361.8	8723.4	8593.4
57.5°	13921.2	14650.1	*14740.5*	12977.7	10847.7	9791.2	8842.0	7892.8	7288.3	7181.0
60°	*13113.3*	*16311.1*	*16356.3*	*12904.3*	*9870.3*	*8333.5*	*6887.2*	*6214.8*	*5565.1*	*5378.7*
62.5°	12000.3	15966.5	*15926.9*	12463.6	7858.9	6079.2	5231.8	4915.4	4412.5	4260.0
65°	10316.6	13299.8	*13345.0*	10768.6	5226.1	4395.6	4395.6	3994.4	3435.1	3327.8
67.5°	8407.0	10254.5	*10152.8*	6983.2	3209.1	3519.9	3689.4	3113.1	2327.7	2197.8
70°	5463.4	7830.7	*7689.5*	4028.3	2017.0	2932.3	2904.0	2339.0	1666.7	1576.3
72.5°	2350.3	4525.5	*4813.7*	2056.5	1519.8	2361.6	2316.4	1638.5	1113.0	1073.5
75°	1418.1	2276.9	*2480.3*	1310.8	1107.4	1779.7	1604.6	1039.6	757.1	728.8
77.5°	898.3	1248.6	*1237.3*	983.1	830.5	1203.4	1079.1	717.5	514.1	491.5
80°	519.8	615.8	*638.4*	615.8	559.3	858.8	689.3	519.8	401.1	372.9
82.5°	333.3	384.2	*389.8*	299.4	310.7	553.7	372.9	305.1	231.6	209.0
85°	146.9	163.8	*158.2*	101.7	101.7	226.0	129.9	124.3	90.4	90.4
87.5°	5.6	11.3	*5.6*	5.6	5.6	22.6	11.3	16.9	16.9	16.9
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: SP1-2407-184-8

Test Date: 10/10/2024

Luminaire Tested: GSS-SB1A-827-U-5WQ

Data in this report applies to families of products including GSS-SB1A-827-U-5WQ

Report Generated By FNC07603 / LDUCLS01DT446
Version: v7.04

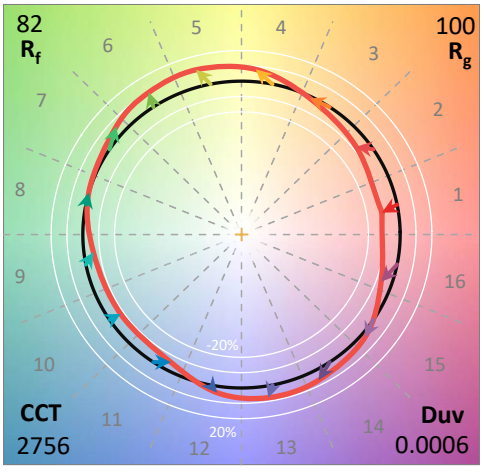
Test Information

Test Method:	LM-79-2019
Report Number:	SP1-2407-184-8
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-827-U-5WQ**
Description:	GALLEON II SITE SLIM 1SQ 350MA 5WQ HIGH DENSITY LIGHTSQUARE WITH 80 CRI 2700K CCT 26 LEDS

Spectral Parameters

CCT (K):	2756
CIE u':	0.2599
CIE v':	0.5271
Duv:	0.0006
CIE x:	0.4563
CIE y:	0.4112
CIE z:	0.1325
Peak Wavelength (nm):	609
Dominant Wavelength (nm):	583
Purity:	60.41121
Rf:	82.2
Rg:	99.9

CRI (Ra):	82.9
R1:	81.6
R2:	88.8
R3:	96.0
R4:	83.4
R5:	81.4
R6:	87.0
R7:	84.0
R8:	60.8
R9:	10.8
R10:	74.8
R11:	84.3
R12:	72.1
R13:	82.9
R14:	97.3
R15:	73.7



Test Conditions

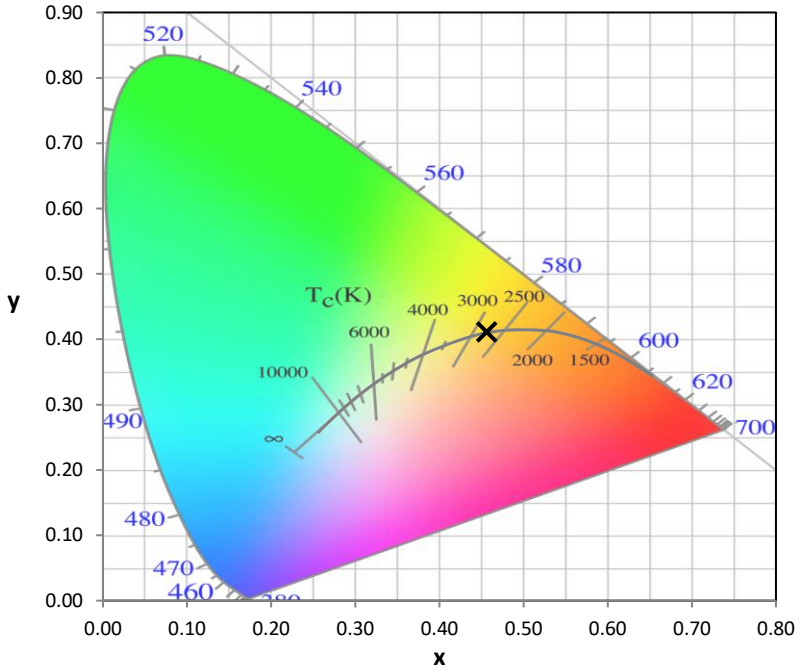
Stabilization Time:	29M
Operation Time:	1H 29M
Sphere Temperature (°C):	25.2

REPORT NUMBER: SP1-2407-184-8

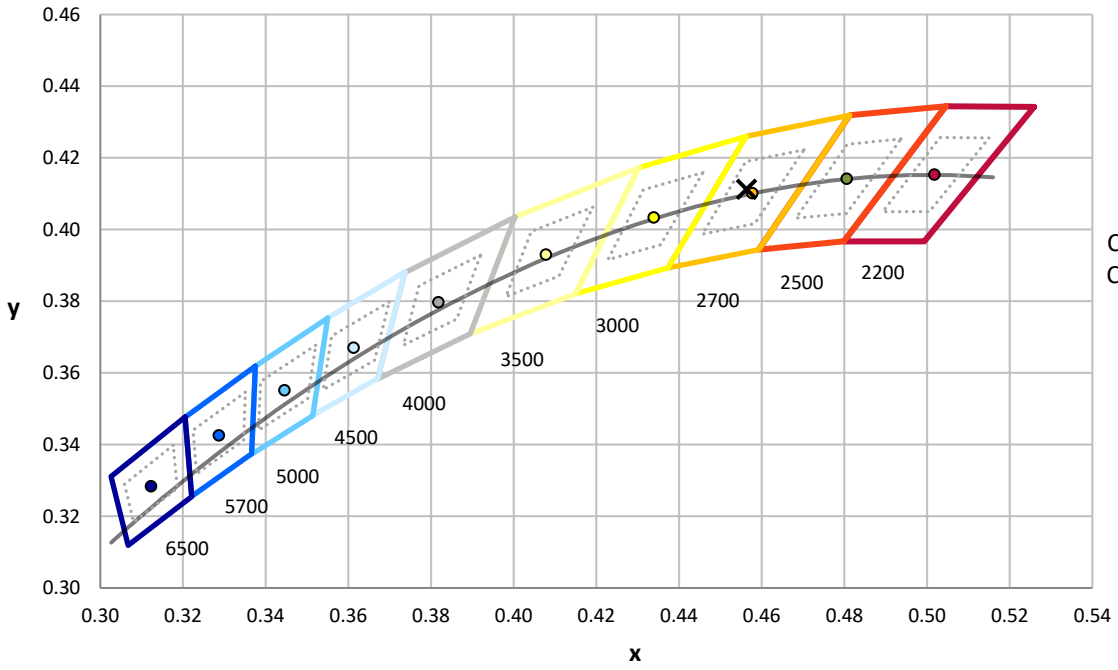
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

REPORT NUMBER: SP1-2407-184-8

CIE 1931 Chromaticity Diagram



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

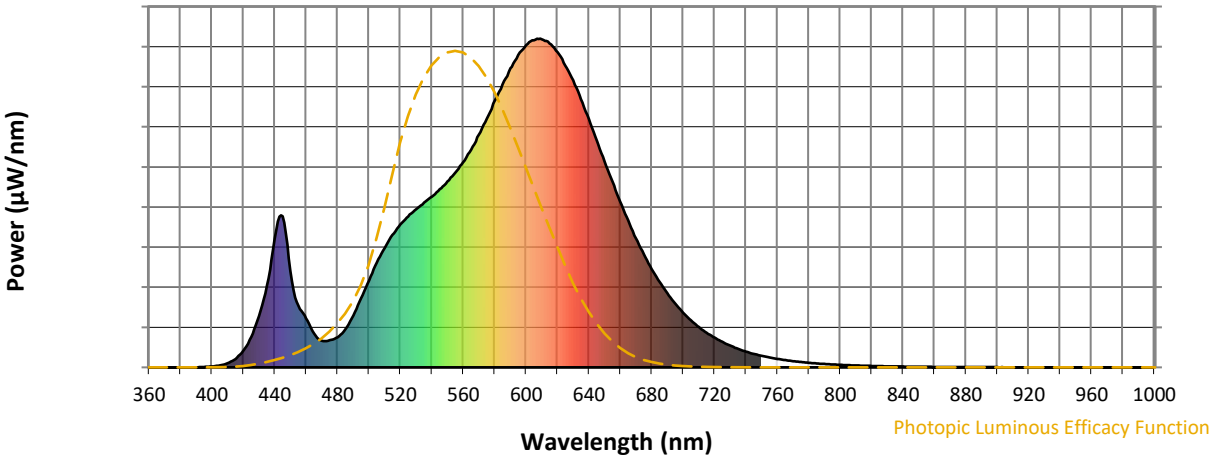


CCT = 2756K
CIE x = 0.4563
CIE y = 0.4112
Duv = 0.0006

Point lies inside the ANSI 2700K 4-step quadrangle

REPORT NUMBER: SP1-2407-184-8

Photopic Flux vs. Wavelength

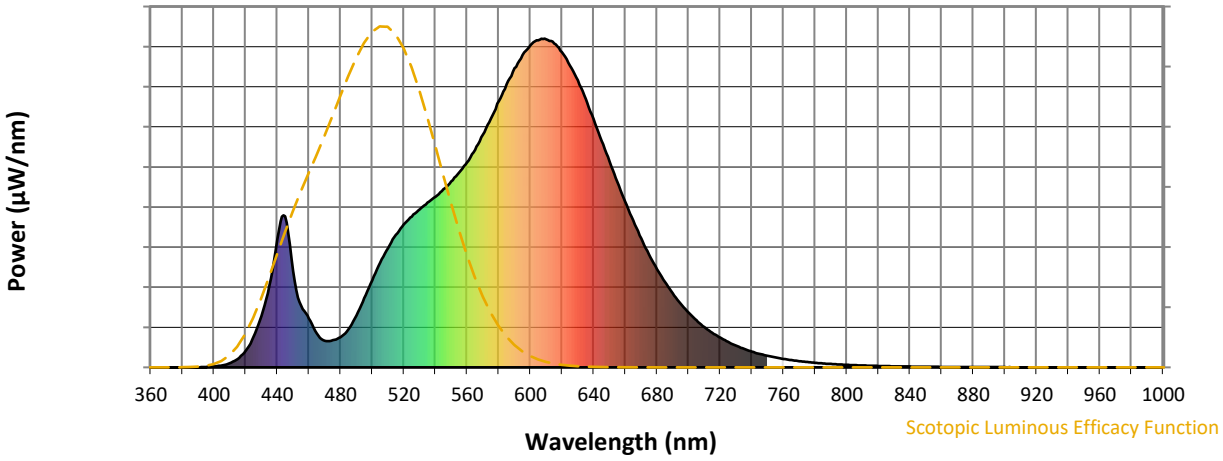


Photopic Lumens: NR

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	158	NR	620	959	NR	750	35	NR	880	1	NR
365	0	NR	495	211	NR	625	918	NR	755	30	NR	885	1	NR
370	0	NR	500	264	NR	630	873	NR	760	26	NR	890	1	NR
375	0	NR	505	318	NR	635	816	NR	765	22	NR	895	1	NR
380	0	NR	510	363	NR	640	755	NR	770	19	NR	900	1	NR
385	0	NR	515	403	NR	645	689	NR	775	16	NR	905	1	NR
390	0	NR	520	435	NR	650	626	NR	780	14	NR	910	0	NR
395	1	NR	525	459	NR	655	564	NR	785	12	NR	915	0	NR
400	3	NR	530	481	NR	660	503	NR	790	10	NR	920	0	NR
405	6	NR	535	501	NR	665	447	NR	795	9	NR	925	0	NR
410	13	NR	540	519	NR	670	392	NR	800	8	NR	930	0	NR
415	26	NR	545	542	NR	675	343	NR	805	7	NR	935	0	NR
420	51	NR	550	565	NR	680	299	NR	810	6	NR	940	0	NR
425	93	NR	555	593	NR	685	260	NR	815	5	NR	945	0	NR
430	156	NR	560	624	NR	690	225	NR	820	4	NR	950	0	NR
435	250	NR	565	662	NR	695	194	NR	825	4	NR	955	0	NR
440	391	NR	570	707	NR	700	166	NR	830	3	NR	960	0	NR
445	460	NR	575	756	NR	705	143	NR	835	3	NR	965	0	NR
450	293	NR	580	810	NR	710	122	NR	840	2	NR	970	0	NR
455	188	NR	585	860	NR	715	105	NR	845	2	NR	975	0	NR
460	149	NR	590	910	NR	720	90	NR	850	2	NR	980	0	NR
465	103	NR	595	950	NR	725	77	NR	855	2	NR	985	0	NR
470	80	NR	600	980	NR	730	66	NR	860	1	NR	990	0	NR
475	82	NR	605	995	NR	735	56	NR	865	1	NR	995	0	NR
480	92	NR	610	998	NR	740	48	NR	870	1	NR	1000	0	NR
485	116	NR	615	985	NR	745	41	NR	875	1	NR			

REPORT NUMBER: SP1-2407-184-8

Scotopic Flux vs. Wavelength

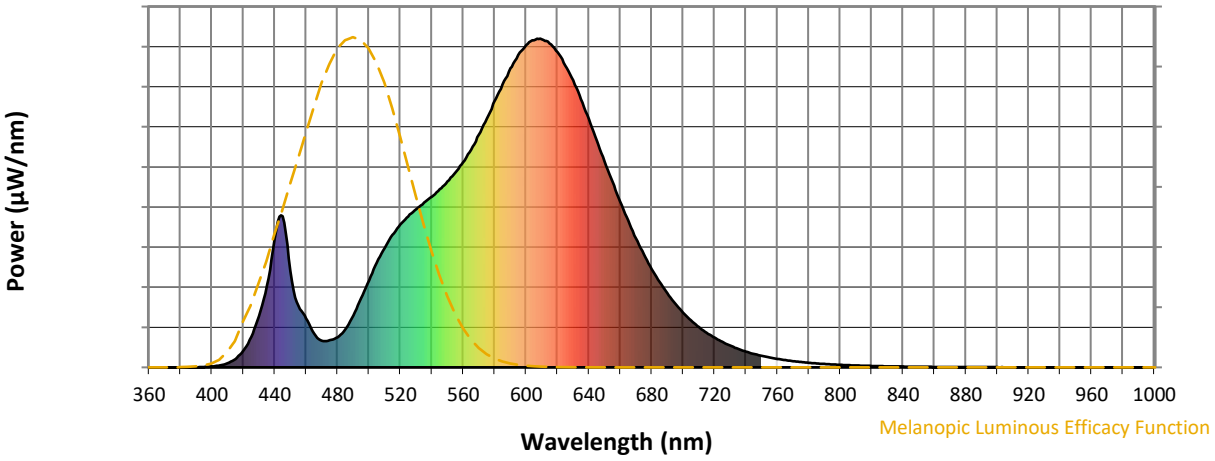


Scotopic Lumens: NR **S/P: 1.2**

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	158	NR	620	959	NR	750	35	NR	880	1	NR
365	0	NR	495	211	NR	625	918	NR	755	30	NR	885	1	NR
370	0	NR	500	264	NR	630	873	NR	760	26	NR	890	1	NR
375	0	NR	505	318	NR	635	816	NR	765	22	NR	895	1	NR
380	0	NR	510	363	NR	640	755	NR	770	19	NR	900	1	NR
385	0	NR	515	403	NR	645	689	NR	775	16	NR	905	1	NR
390	0	NR	520	435	NR	650	626	NR	780	14	NR	910	0	NR
395	1	NR	525	459	NR	655	564	NR	785	12	NR	915	0	NR
400	3	NR	530	481	NR	660	503	NR	790	10	NR	920	0	NR
405	6	NR	535	501	NR	665	447	NR	795	9	NR	925	0	NR
410	13	NR	540	519	NR	670	392	NR	800	8	NR	930	0	NR
415	26	NR	545	542	NR	675	343	NR	805	7	NR	935	0	NR
420	51	NR	550	565	NR	680	299	NR	810	6	NR	940	0	NR
425	93	NR	555	593	NR	685	260	NR	815	5	NR	945	0	NR
430	156	NR	560	624	NR	690	225	NR	820	4	NR	950	0	NR
435	250	NR	565	662	NR	695	194	NR	825	4	NR	955	0	NR
440	391	NR	570	707	NR	700	166	NR	830	3	NR	960	0	NR
445	460	NR	575	756	NR	705	143	NR	835	3	NR	965	0	NR
450	293	NR	580	810	NR	710	122	NR	840	2	NR	970	0	NR
455	188	NR	585	860	NR	715	105	NR	845	2	NR	975	0	NR
460	149	NR	590	910	NR	720	90	NR	850	2	NR	980	0	NR
465	103	NR	595	950	NR	725	77	NR	855	2	NR	985	0	NR
470	80	NR	600	980	NR	730	66	NR	860	1	NR	990	0	NR
475	82	NR	605	995	NR	735	56	NR	865	1	NR	995	0	NR
480	92	NR	610	998	NR	740	48	NR	870	1	NR	1000	0	NR
485	116	NR	615	985	NR	745	41	NR	875	1	NR			

REPORT NUMBER: SP1-2407-184-8

Melanopic Flux vs. Wavelength



Melanopic Lumens: NR **M/P: 2.16**

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	158	NR	620	959	NR	750	35	NR	880	1	NR
365	0	NR	495	211	NR	625	918	NR	755	30	NR	885	1	NR
370	0	NR	500	264	NR	630	873	NR	760	26	NR	890	1	NR
375	0	NR	505	318	NR	635	816	NR	765	22	NR	895	1	NR
380	0	NR	510	363	NR	640	755	NR	770	19	NR	900	1	NR
385	0	NR	515	403	NR	645	689	NR	775	16	NR	905	1	NR
390	0	NR	520	435	NR	650	626	NR	780	14	NR	910	0	NR
395	1	NR	525	459	NR	655	564	NR	785	12	NR	915	0	NR
400	3	NR	530	481	NR	660	503	NR	790	10	NR	920	0	NR
405	6	NR	535	501	NR	665	447	NR	795	9	NR	925	0	NR
410	13	NR	540	519	NR	670	392	NR	800	8	NR	930	0	NR
415	26	NR	545	542	NR	675	343	NR	805	7	NR	935	0	NR
420	51	NR	550	565	NR	680	299	NR	810	6	NR	940	0	NR
425	93	NR	555	593	NR	685	260	NR	815	5	NR	945	0	NR
430	156	NR	560	624	NR	690	225	NR	820	4	NR	950	0	NR
435	250	NR	565	662	NR	695	194	NR	825	4	NR	955	0	NR
440	391	NR	570	707	NR	700	166	NR	830	3	NR	960	0	NR
445	460	NR	575	756	NR	705	143	NR	835	3	NR	965	0	NR
450	293	NR	580	810	NR	710	122	NR	840	2	NR	970	0	NR
455	188	NR	585	860	NR	715	105	NR	845	2	NR	975	0	NR
460	149	NR	590	910	NR	720	90	NR	850	2	NR	980	0	NR
465	103	NR	595	950	NR	725	77	NR	855	2	NR	985	0	NR
470	80	NR	600	980	NR	730	66	NR	860	1	NR	990	0	NR
475	82	NR	605	995	NR	735	56	NR	865	1	NR	995	0	NR
480	92	NR	610	998	NR	740	48	NR	870	1	NR	1000	0	NR
485	116	NR	615	985	NR	745	41	NR	875	1	NR			

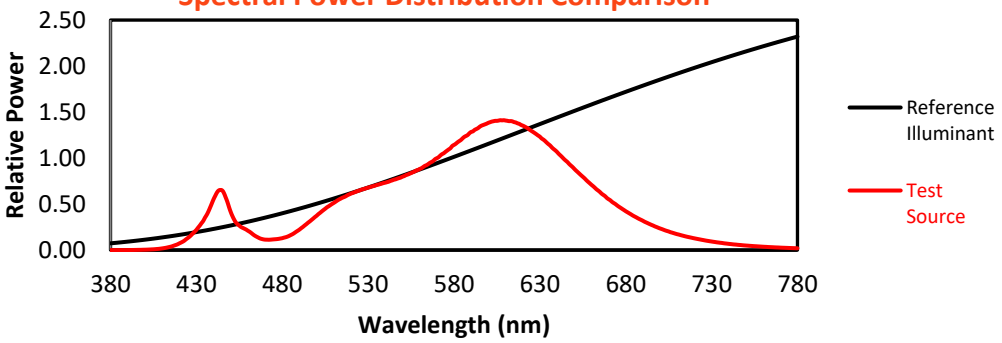
REPORT NUMBER: SP1-2407-184-8

TM-30-18

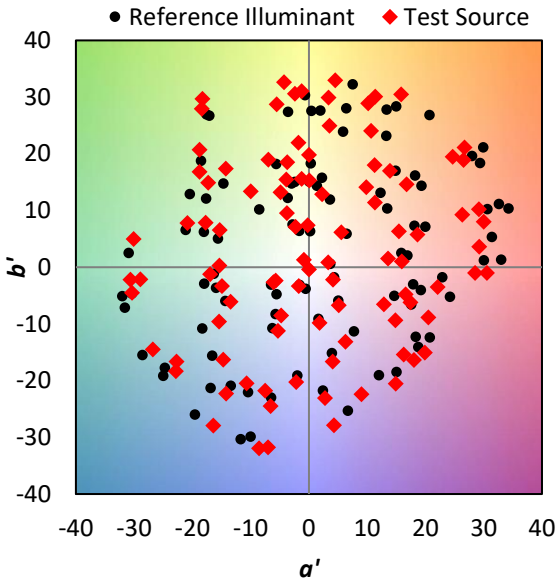
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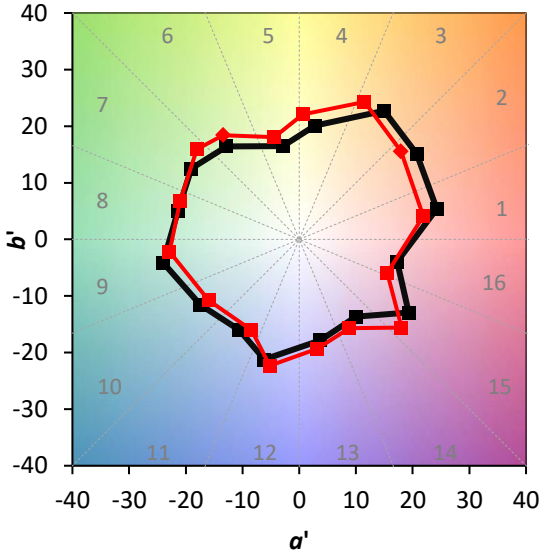
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R_g = 99.9
CIE R_a = 82.9
R_9 = 10.8

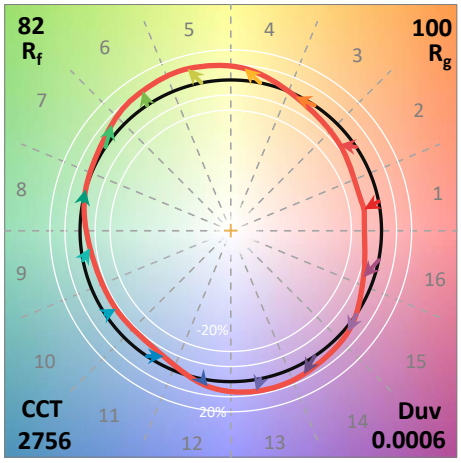
Spectral Power Distribution Comparison

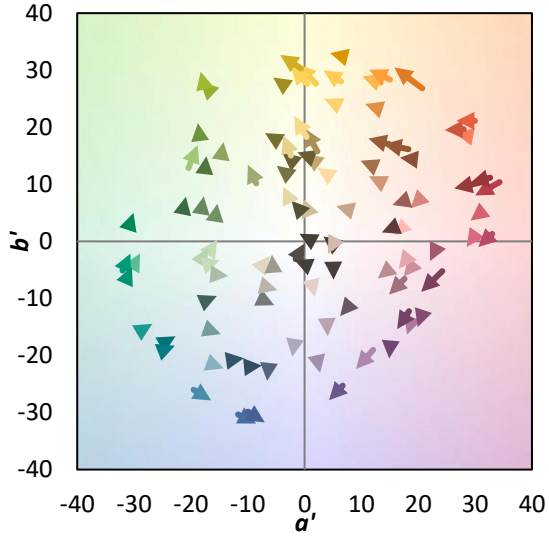


Color Vector Graphics







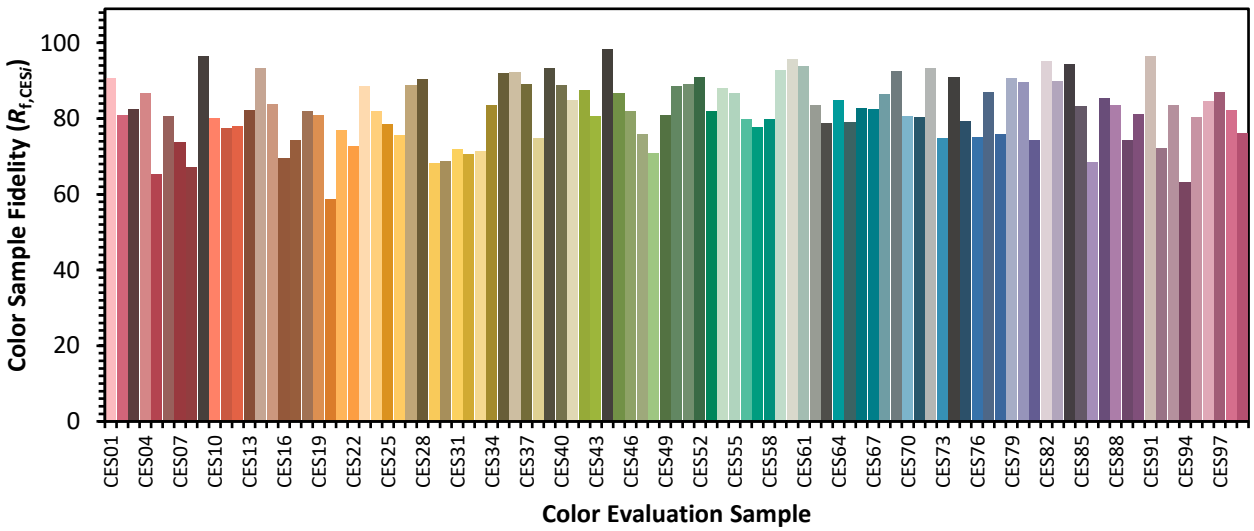


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Individual Sample Fidelity Index ($R_{f,i}$)

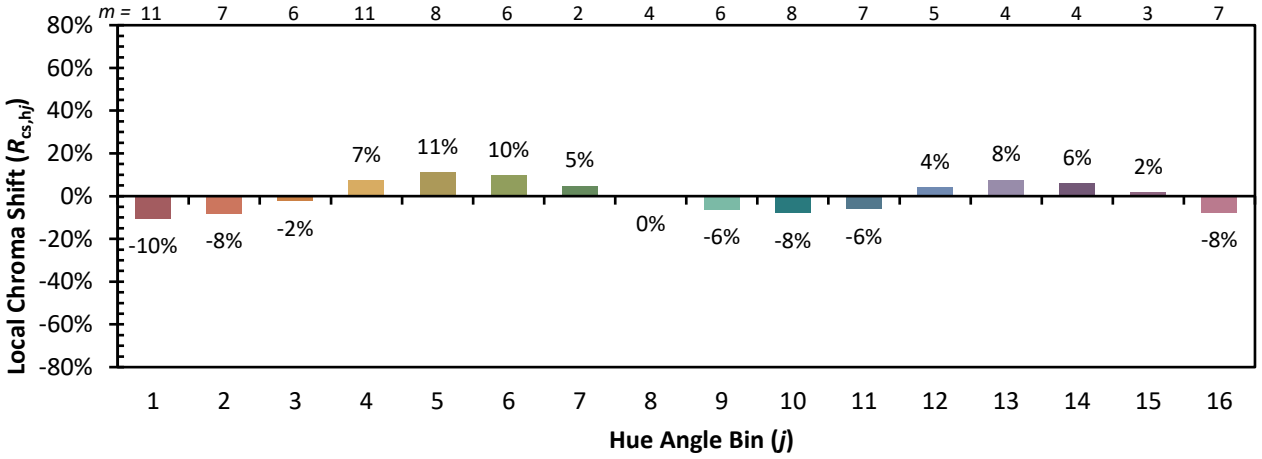
CES01 = 86	CES26 = 76	CES51 = 89	CES76 = 75
CES02 = 63	CES27 = 89	CES52 = 91	CES77 = 87
CES03 = 31	CES28 = 90	CES53 = 82	CES78 = 76
CES04 = 71	CES29 = 68	CES54 = 88	CES79 = 91
CES05 = 50	CES30 = 69	CES55 = 87	CES80 = 90
CES06 = 52	CES31 = 72	CES56 = 80	CES81 = 74
CES07 = 43	CES32 = 71	CES57 = 78	CES82 = 95
CES08 = 42	CES33 = 71	CES58 = 80	CES83 = 90
CES09 = 29	CES34 = 84	CES59 = 93	CES84 = 94
CES10 = 77	CES35 = 92	CES60 = 96	CES85 = 83
CES11 = 59	CES36 = 92	CES61 = 94	CES86 = 69
CES12 = 66	CES37 = 89	CES62 = 84	CES87 = 85
CES13 = 44	CES38 = 75	CES63 = 79	CES88 = 84
CES14 = 74	CES39 = 93	CES64 = 85	CES89 = 74
CES15 = 72	CES40 = 89	CES65 = 79	CES90 = 81
CES16 = 48	CES41 = 85	CES66 = 83	CES91 = 96
CES17 = 50	CES42 = 88	CES67 = 82	CES92 = 72
CES18 = 57	CES43 = 81	CES68 = 86	CES93 = 84
CES19 = 73	CES44 = 98	CES69 = 92	CES94 = 63
CES20 = 67	CES45 = 87	CES70 = 81	CES95 = 80
CES21 = 87	CES46 = 82	CES71 = 81	CES96 = 85
CES22 = 79	CES47 = 76	CES72 = 93	CES97 = 87
CES23 = 92	CES48 = 71	CES73 = 75	CES98 = 82
CES24 = 91	CES49 = 81	CES74 = 91	CES99 = 76
CES25 = 72	CES50 = 88	CES75 = 79	

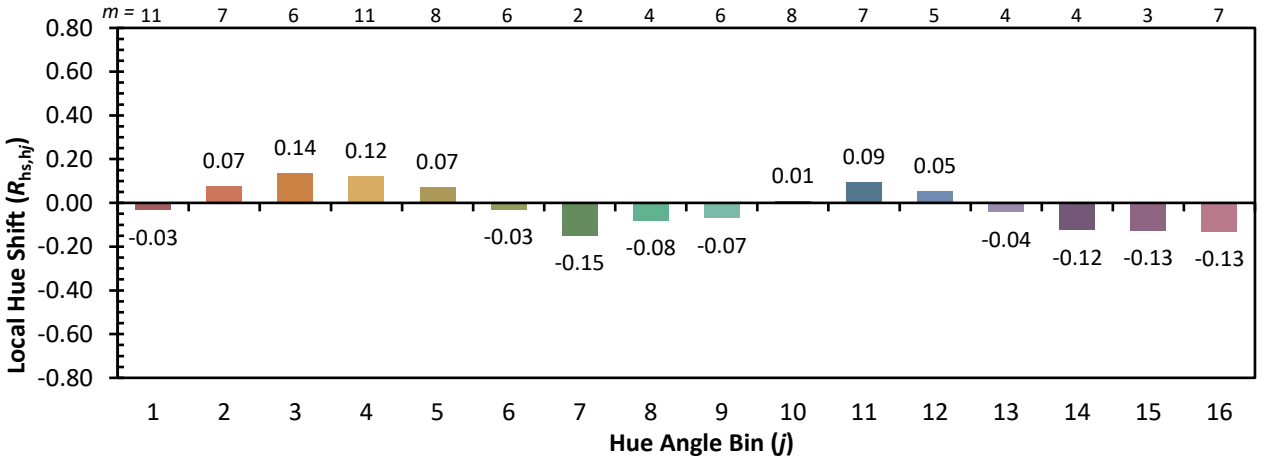


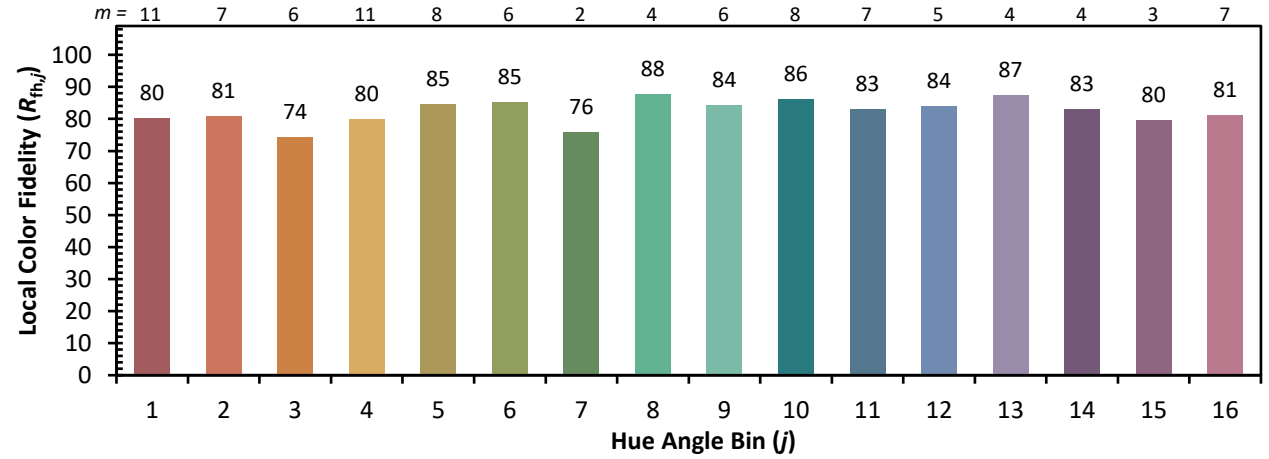
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Color Rendition by Hue-Angle Bin



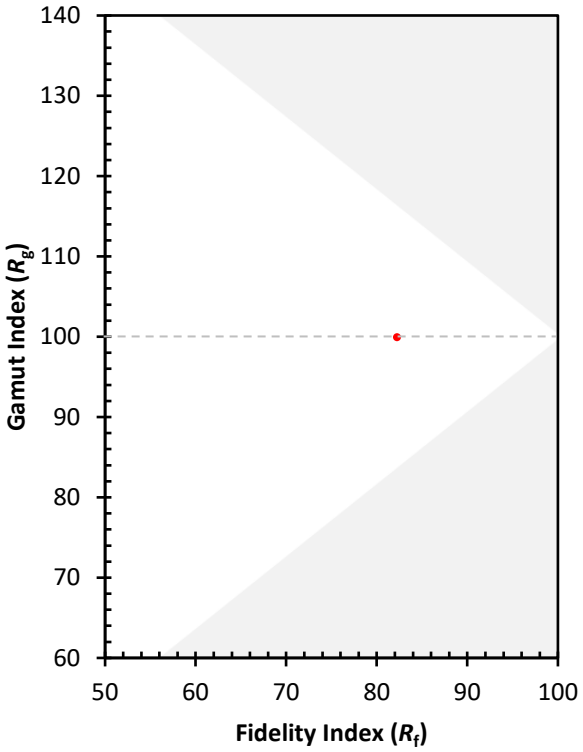


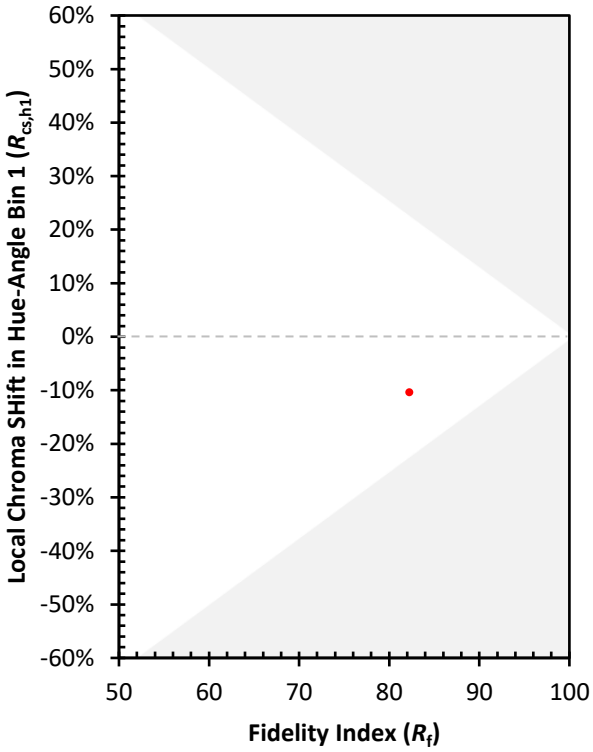


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Measure Comparisons





(END OF REPORT)