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: P1501893

Luminaire Tested: GSS-SB5A-827-U-T2LG-HSS

Issue Date: 07/20/2026

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1121 Highway 74 South
Peachtree City, GA 30269

Scaled Data Report

Test Information

Test Method:	LM-79-2024
Report Number:	P1501893
Test Lab:	INNOVATION CENTER(G1)
Issue Date:	7/20/2026
Manufacturer:	COOPER LIGHTING SOLUTIONS
Product Line:	McGRAW-EDISON
Catalog Number:	GSS-SB5A-827-U-T2LG-HSS
Description:	GALLEON II SLIM SITE HIGH DENSITY LED ARRAYS 5SQUARE 143W 80CRI 2700K FIXTURE w/ TYPE II LOW GLARE DISTRIBUTION FIXTURE W/ HOUSE SIDE SHIELD
Light Source:	(130) 2700K CCT, 80 CRI LEDS
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	15346.6 lumens
Efficiency:	N/A
Efficacy:	107.3 lumens/watt
Luminous Opening:	Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification:	Type II - Short
BUG Rating:	B2 - U0 - G2

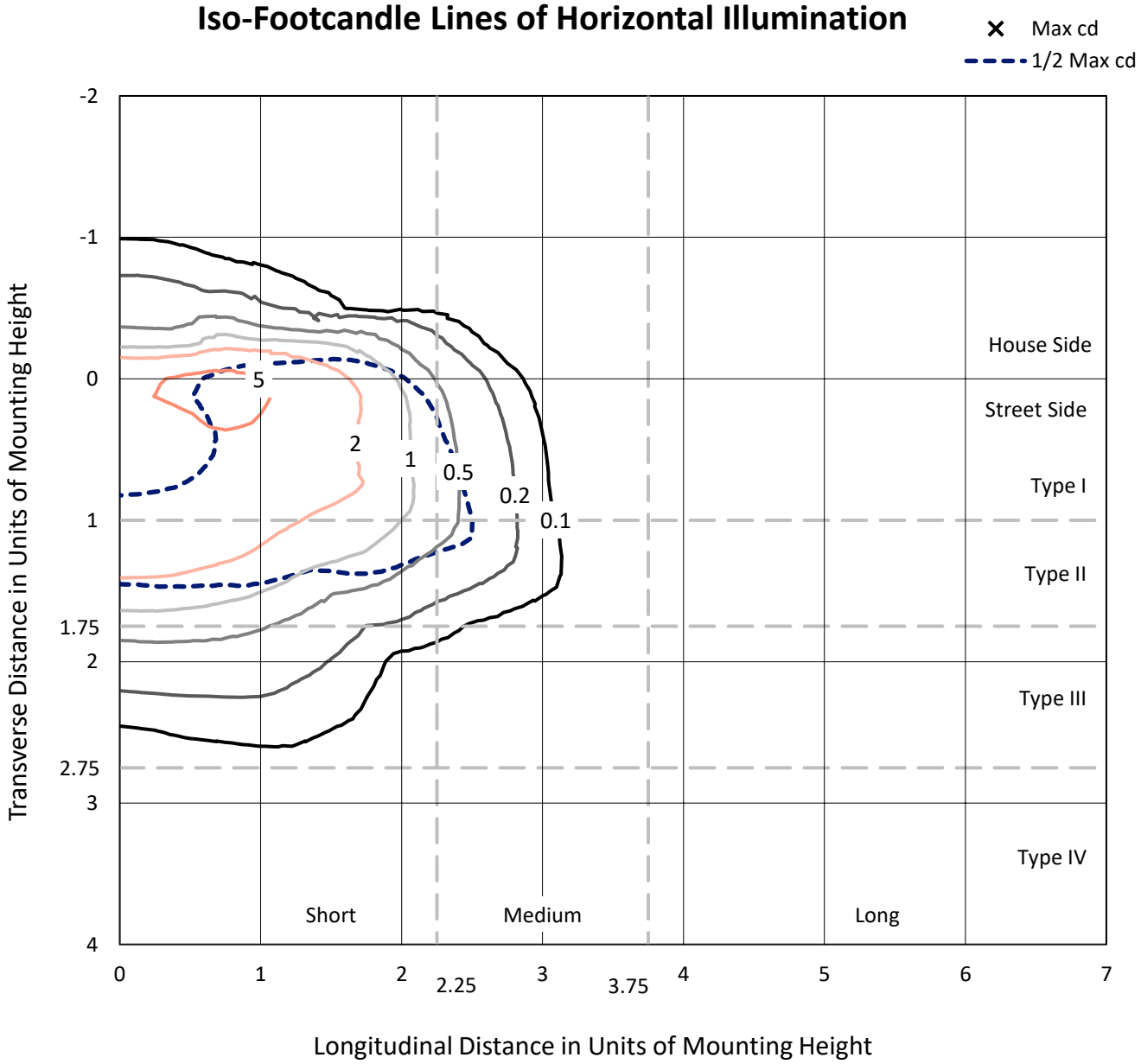
Input Watts (W):	143
Input Voltage (V):	120
Input Current (Ain):	NR
Voltage Rise (V):	NR
Power Factor:	0.98
Total Harmonic Distortion (THDi):	10.5%
Frequency (hertz):	60
Stabilization Time:	NR
Operation Time:	NR
Ambient Temperature (°C):	NR
Test Distance:	28.75 FT

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Iso-Footcandle Lines of Horizontal Illumination



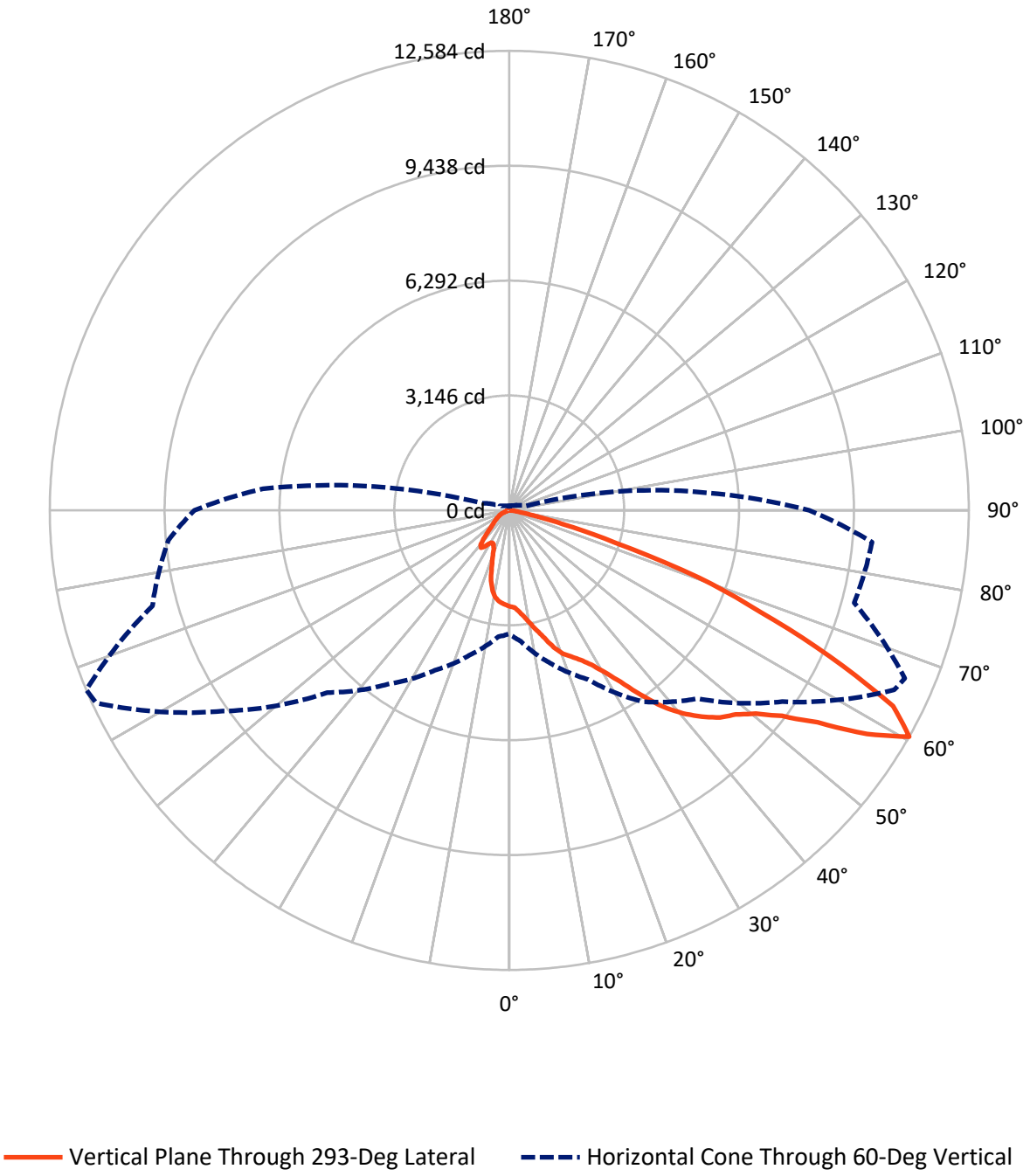
Based on 25 foot mounting height. Maximum calculated value = 7 fc
Type II - Short - N/A

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Luminous Intensity Polar Plot



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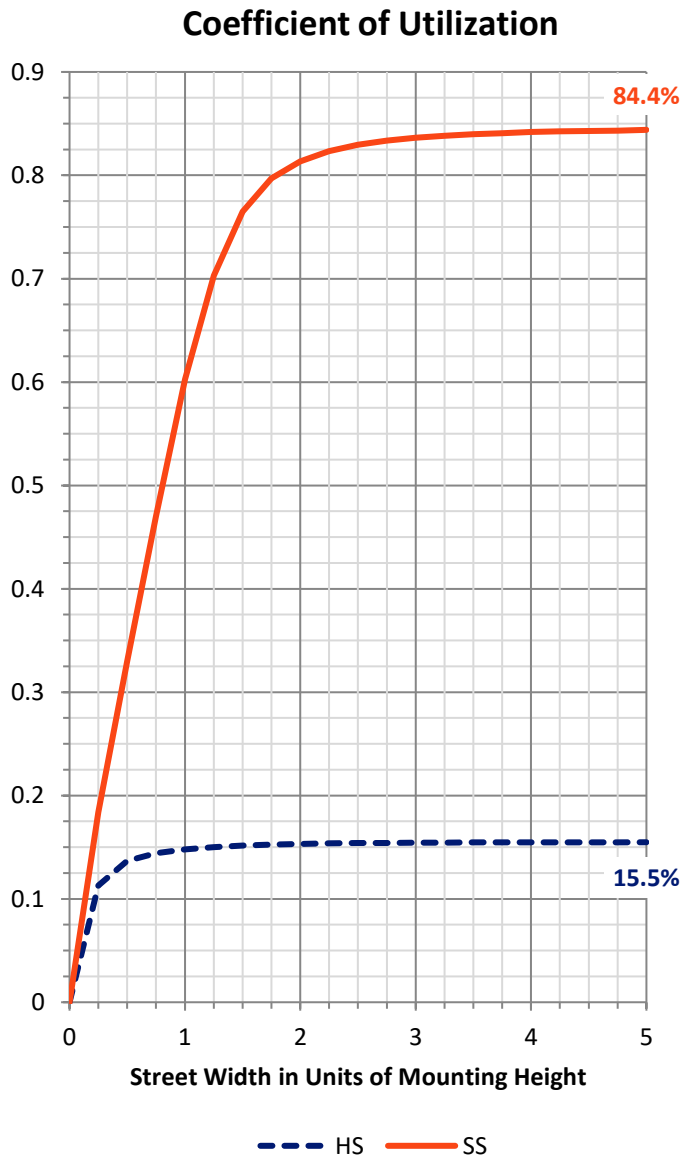
REPORT NUMBER: P1501893
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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2394.4	0.0	2394.4
	% Fixture	15.6	0.0	15.6
Street Side	Lumens	12952.2	0.0	12952.2
	% Fixture	84.4	0.0	84.4
Total	Lumens	15346.6	0.0	15346.6
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	238.1	1.6
10°-20°	599.8	3.9
20°-30°	1119.8	7.3
30°-40°	2220.6	14.5
40°-50°	3540.4	23.1
50°-60°	4229.9	27.6
60°-70°	2773.0	18.1
70°-80°	581.0	3.8
80°-90°	44.0	0.3
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°	15346.6	100.0
0°-180°	15346.6	100.0



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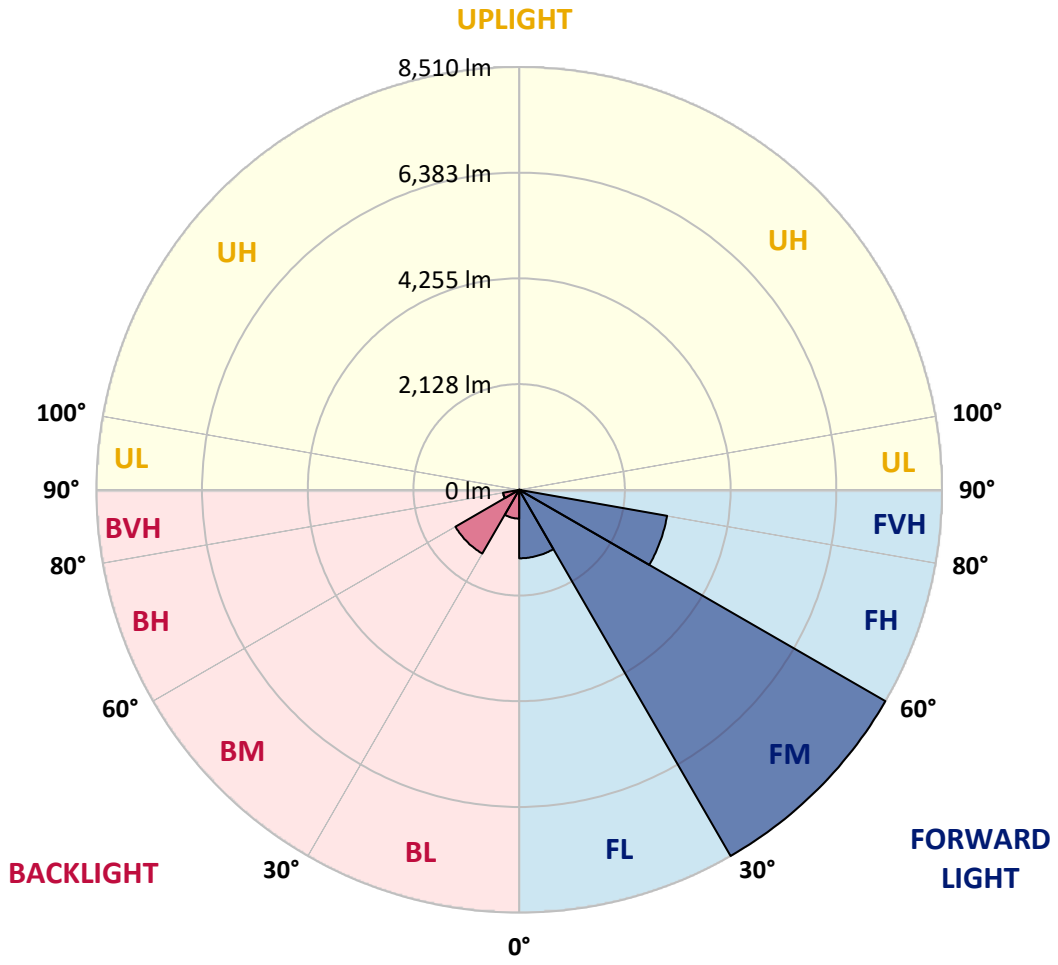
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	1378.4	9.0			
FM	(30°-60°)	8510.3	55.5			
FH	(60°-80°)	3023.2	19.7			G2/5000
FVH	(80°-90°)	40.3	0.3			G1/100
BL	(0°-30°)	579.3	3.8	B2/1000		
BM	(30°-60°)	1480.7	9.6	B2/2500		
BH	(60°-80°)	330.8	2.2	B1/500		G1/500
BVH	(80°-90°)	3.7	0.0			G0/10
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G2
Type II Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	67°	75°	85°
0°	2630.3	2630.3	2630.3	2630.3	2630.3	2630.3	2630.3	2630.3	2630.3	2630.3	2630.3
2.5°	2763.5	2754.9	2742.0	2746.3	2742.0	2724.8	2699.0	2677.5	2694.7	2668.9	2651.7
5°	2845.1	2845.1	2836.5	2836.5	2840.8	2832.2	2815.1	2785.0	2789.3	2767.8	2711.9
7.5°	2845.1	2832.2	2853.7	2875.2	2913.9	2935.4	2944.0	2926.8	2935.4	2892.4	2819.4
10°	2677.5	2668.9	2724.8	2806.5	2918.2	3017.1	3081.5	3085.8	3098.7	3055.7	2969.8
12.5°	2320.8	2303.6	2415.4	2570.1	2797.9	3025.7	3206.2	3274.9	3305.0	3287.8	3167.5
15°	1989.9	2011.4	2088.7	2256.3	2561.5	2909.6	3274.9	3502.7	3545.7	3567.2	3425.3
17.5°	1955.5	1959.8	1985.6	2067.2	2299.3	2720.5	3283.5	3739.1	3799.3	3893.8	3700.4
20°	2050.0	2041.5	2067.2	2093.0	2204.8	2552.9	3201.9	3966.9	4082.9	4284.9	4074.3
22.5°	2226.3	2226.3	2239.2	2256.3	2312.2	2540.0	3167.5	4177.5	4375.2	4787.7	4542.8
25°	2522.8	2488.4	2497.0	2475.5	2522.8	2694.7	3244.8	4345.1	4615.8	5346.5	5101.5
27.5°	2982.7	2995.6	2918.2	2802.2	2828.0	2974.1	3433.9	4534.2	4865.1	5926.7	5668.8
30°	3618.7	3597.3	3550.0	3322.2	3219.1	3348.0	3782.1	4843.6	5200.3	6661.6	6425.2
32.5°	4117.3	4177.5	4095.8	3936.8	3777.8	3816.4	4272.0	5342.2	5608.6	7336.3	7207.4
35°	4719.0	4719.0	4736.2	4512.7	4405.2	4396.6	4886.6	5883.7	6150.1	7946.6	8036.9
37.5°	5531.3	5475.4	5380.8	5131.6	5049.9	5157.4	5462.5	6442.4	6730.4	8440.9	8681.6
40°	6214.6	6253.3	6240.4	5879.4	5720.4	5836.4	6107.2	6919.5	7142.9	8758.9	9201.6
42.5°	6885.1	6906.6	6850.7	6678.8	6446.7	6455.3	6678.8	7280.5	7508.3	9064.1	9691.5
45°	7387.9	7383.6	7344.9	7302.0	7164.4	7022.6	7061.3	7680.2	7877.9	9162.9	9958.0
47.5°	7546.9	7581.3	7615.7	7736.0	7830.6	7607.1	7409.4	7895.1	8075.6	9145.7	10056.8
50°	7400.8	7473.9	7641.5	7822.0	8144.3	8127.1	7701.7	8127.1	8303.3	9240.3	10172.9
52.5°	7074.2	7147.2	7370.7	7697.4	8183.0	8423.7	8243.2	8518.2	8724.5	9480.9	10413.6
55°	6313.5	6343.6	6803.4	7233.2	7989.6	8294.8	8823.4	9180.1	9352.0	9773.2	10731.6
57.5°	5140.2	5213.2	5664.5	6365.0	7448.1	7955.2	9154.3	10310.4	10306.1	10052.6	10800.4
60°	*3382.4*	*3597.3*	*4332.2*	*5105.8*	*6399.4*	*7289.1*	*9132.8*	*11634.1*	*11767.4*	*9777.5*	*9970.9*
62.5°	2583.0	2673.2	3090.1	3734.8	4736.2	6042.7	8991.0	12029.5	12132.7	9038.3	8728.8
65°	1942.6	2054.3	2454.0	3029.9	3343.7	4095.8	8062.7	10456.5	10598.4	8067.0	6786.2
67.5°	1190.5	1280.7	1813.7	2488.4	2531.4	2544.3	5441.0	7920.8	7972.4	6506.9	4568.6
70°	795.1	885.3	1255.0	1912.5	2015.7	1465.5	2987.0	5995.4	5991.1	4452.5	2776.4
72.5°	459.9	502.8	795.1	1409.7	1585.9	932.6	1491.3	3812.1	3644.5	2093.0	1297.9
75°	262.2	292.3	438.4	906.8	1113.1	593.1	588.8	2041.5	1805.1	1078.7	709.1
77.5°	159.0	171.9	240.7	593.1	670.5	399.7	326.6	949.8	915.4	631.8	373.9
80°	77.4	90.3	146.1	348.1	429.8	214.9	197.7	373.9	399.7	348.1	197.7
82.5°	25.8	34.4	81.7	133.2	279.4	86.0	81.7	206.3	219.2	206.3	94.6
85°	12.9	17.2	38.7	43.0	107.4	43.0	30.1	90.3	111.7	68.8	38.7
87.5°	0.0	4.3	4.3	4.3	4.3	4.3	4.3	8.6	8.6	8.6	8.6
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°	2630.3	2630.3	2630.3	2630.3	2630.3	2630.3	2630.3	2630.3	2630.3	2630.3	2630.3
2.5°	2638.8	2630.3	2613.1	2583.0	2578.7	2557.2	2522.8	2501.3	2484.1	2497.0	2501.3
5°	2686.1	2664.6	2613.1	2531.4	2445.4	2359.5	2277.8	2183.3	2118.8	2110.2	2093.0
7.5°	2772.1	2729.1	2617.4	2458.3	2239.2	2032.9	1792.2	1560.1	1444.1	1426.9	1388.2
10°	2909.6	2836.5	2651.7	2329.4	1908.2	1478.4	1113.1	863.9	722.0	696.2	704.8
12.5°	3072.9	2969.8	2656.0	2110.2	1452.7	915.4	631.8	537.2	507.1	494.2	494.2
15°	3283.5	3133.1	2651.7	1826.6	979.9	588.8	507.1	468.5	455.6	447.0	447.0
17.5°	3550.0	3352.3	2621.7	1401.1	661.9	511.4	464.2	434.1	416.9	412.6	412.6
20°	3863.7	3597.3	2552.9	1044.4	554.4	477.1	438.4	399.7	386.8	378.2	378.2
22.5°	4263.4	3893.8	2419.7	812.3	524.3	455.6	412.6	369.6	356.7	348.1	348.1
25°	4727.6	4272.0	2243.5	730.6	520.0	438.4	386.8	343.8	330.9	326.6	322.3
27.5°	5277.7	4676.0	2080.1	734.9	528.6	425.5	361.0	322.3	309.4	296.5	300.8
30°	5926.7	5092.9	1946.9	786.5	537.2	412.6	343.8	309.4	296.5	279.4	279.4
32.5°	6567.0	5582.8	1934.0	881.0	567.3	404.0	326.6	292.3	279.4	266.5	266.5
35°	7224.6	6029.8	2007.1	1005.7	627.5	391.1	305.1	275.1	262.2	253.6	249.3
37.5°	7852.1	6386.5	2075.8	1083.0	593.1	335.2	279.4	253.6	240.7	223.5	223.5
40°	8269.0	6579.9	2088.7	1022.9	489.9	300.8	253.6	227.8	210.6	202.0	197.7
42.5°	8574.1	6704.6	1942.6	829.5	425.5	275.1	232.1	206.3	193.4	184.8	184.8
45°	8698.7	6661.6	1693.3	631.8	391.1	253.6	210.6	189.1	180.5	171.9	171.9
47.5°	8681.6	6463.9	1439.8	507.1	356.7	232.1	197.7	180.5	171.9	163.3	159.0
50°	8651.5	6279.1	1181.9	451.3	318.0	219.2	184.8	171.9	159.0	150.4	146.1
52.5°	8849.2	6218.9	979.9	412.6	296.5	210.6	180.5	163.3	150.4	141.8	141.8
55°	9046.9	6244.7	769.3	386.8	275.1	206.3	176.2	159.0	146.1	133.2	133.2
57.5°	9034.0	6133.0	584.5	361.0	257.9	202.0	171.9	154.7	133.2	124.6	124.6
60°	*8213.1*	*5471.1*	*455.6*	*330.9*	*236.4*	*189.1*	*159.0*	*146.1*	*124.6*	*111.7*	*111.7*
62.5°	6945.2	4302.1	373.9	292.3	210.6	171.9	146.1	133.2	111.7	90.3	90.3
65°	5131.6	3103.0	300.8	253.6	193.4	150.4	133.2	116.0	90.3	73.1	68.8
67.5°	3472.6	1908.2	240.7	210.6	171.9	128.9	111.7	98.8	81.7	60.2	55.9
70°	2058.6	1014.3	176.2	146.1	128.9	94.6	94.6	86.0	68.8	51.6	47.3
72.5°	979.9	352.4	128.9	107.4	98.8	68.8	73.1	73.1	55.9	38.7	34.4
75°	498.5	171.9	86.0	77.4	64.5	51.6	60.2	55.9	38.7	25.8	25.8
77.5°	283.7	120.3	60.2	51.6	43.0	34.4	38.7	34.4	21.5	12.9	12.9
80°	159.0	86.0	38.7	34.4	25.8	21.5	21.5	17.2	12.9	4.3	4.3
82.5°	60.2	51.6	25.8	17.2	12.9	12.9	8.6	8.6	4.3	0.0	0.0
85°	25.8	12.9	12.9	8.6	8.6	4.3	4.3	4.3	0.0	0.0	0.0
87.5°	4.3	4.3	4.3	4.3	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

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CANDELA DISTRIBUTION (continued):

	185°	195°	205°	215°	225°	235°	245°	255°	265°	270°	275°
0°	2630.3	2630.3	2630.3	2630.3	2630.3	2630.3	2630.3	2630.3	2630.3	2630.3	2630.3
2.5°	2466.9	2475.5	2484.1	2518.5	2527.1	2552.9	2574.4	2600.2	2604.5	2638.8	2638.8
5°	2127.4	2123.1	2196.2	2303.6	2372.4	2466.9	2540.0	2617.4	2660.3	2716.2	2742.0
7.5°	1409.7	1517.1	1680.4	1869.5	2114.5	2342.3	2514.2	2664.6	2767.8	2832.2	2858.0
10°	700.5	760.7	932.6	1242.1	1659.0	2123.1	2488.4	2767.8	2935.4	3008.5	3055.7
12.5°	494.2	507.1	537.2	704.8	1104.5	1762.1	2406.8	2879.5	3111.6	3249.1	3309.3
15°	442.7	451.3	464.2	511.4	683.3	1315.1	2260.6	3004.2	3386.7	3545.7	3623.0
17.5°	408.3	412.6	425.5	464.2	537.2	893.9	2024.3	3137.4	3717.6	3911.0	4057.1
20°	378.2	378.2	391.1	438.4	498.5	687.6	1684.7	3287.8	4138.8	4418.1	4564.3
22.5°	343.8	352.4	361.0	412.6	485.7	627.5	1366.7	3403.9	4607.2	4946.8	5118.7
25°	318.0	326.6	335.2	386.8	472.8	627.5	1181.9	3476.9	5131.6	5535.6	5771.9
27.5°	296.5	305.1	318.0	369.6	459.9	653.3	1108.8	3498.4	5703.2	6227.5	6545.5
30°	279.4	288.0	300.8	356.7	468.5	683.3	1134.6	3468.3	6283.4	6940.9	7319.2
32.5°	262.2	270.8	283.7	343.8	468.5	722.0	1220.6	3408.2	6846.4	7654.4	8118.5
35°	249.3	253.6	257.9	309.4	425.5	717.7	1328.0	3348.0	7413.7	8359.2	8900.7
37.5°	223.5	227.8	236.4	266.5	339.5	653.3	1349.5	3274.9	7860.7	8952.3	9549.7
40°	197.7	206.3	214.9	245.0	283.7	528.6	1255.0	3120.2	8097.1	9407.9	10134.2
42.5°	180.5	184.8	193.4	223.5	262.2	421.2	1053.0	2849.4	8307.6	9717.3	10559.7
45°	167.6	171.9	180.5	202.0	245.0	365.3	829.5	2518.5	8324.8	9816.2	10766.0
47.5°	154.7	159.0	163.3	184.8	236.4	326.6	636.1	2217.7	8320.5	9945.1	10942.2
50°	146.1	150.4	159.0	176.2	223.5	292.3	524.3	1972.7	8501.0	10224.5	11298.9
52.5°	141.8	141.8	154.7	171.9	210.6	266.5	438.4	1753.5	8595.6	10499.5	11556.8
55°	133.2	137.5	146.1	163.3	197.7	253.6	373.9	1478.4	8638.6	10637.1	11604.1
57.5°	124.6	128.9	141.8	154.7	189.1	240.7	322.3	1104.5	8024.0	9919.3	10813.3
60°	*111.7*	*120.3*	*137.5*	*150.4*	*176.2*	*219.2*	*283.7*	*747.8*	*6769.0*	*8621.4*	*9369.2*
62.5°	90.3	107.4	124.6	133.2	159.0	184.8	240.7	498.5	5406.6	7134.3	7985.3
65°	68.8	90.3	103.1	116.0	133.2	154.7	202.0	339.5	3605.9	4800.6	5759.1
67.5°	60.2	77.4	86.0	94.6	111.7	133.2	163.3	236.4	2187.6	2883.8	3829.3
70°	47.3	64.5	73.1	68.8	86.0	103.1	116.0	159.0	1117.4	1564.4	2179.0
72.5°	34.4	51.6	55.9	55.9	51.6	73.1	86.0	111.7	485.7	760.7	988.5
75°	25.8	34.4	38.7	34.4	30.1	47.3	60.2	73.1	318.0	455.6	575.9
77.5°	12.9	12.9	21.5	21.5	12.9	25.8	30.1	43.0	180.5	266.5	330.9
80°	4.3	0.0	0.0	4.3	0.0	8.6	12.9	21.5	94.6	141.8	206.3
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.3	47.3	43.0	107.4
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	8.6	25.8
87.5°	0.0	0.0	0.0	0.0	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: P1501893
CATALOG NUMBER: GSS-SB5A-827-U-T2LG-HSS

CANDELA DISTRIBUTION (continued):

	285°	293°	295°	305°	315°	325°	335°	345°	355°	360°
0°	2630.3	*2630.3*	2630.3	2630.3	2630.3	2630.3	2630.3	2630.3	2630.3	2630.3
2.5°	2660.3	*2660.3*	2677.5	2703.3	2716.2	2724.8	2729.1	2737.7	2772.1	2763.5
5°	2772.1	*2780.7*	2793.6	2819.4	2849.4	2840.8	2840.8	2840.8	2862.3	2845.1
7.5°	2918.2	*2944.0*	2948.3	2978.4	2956.9	2913.9	2888.1	2849.4	2845.1	2845.1
10°	3154.6	*3146.0*	3146.0	3107.3	3029.9	2905.3	2793.6	2716.2	2673.2	2677.5
12.5°	3408.2	*3373.8*	3378.1	3236.2	3017.1	2742.0	2514.2	2346.6	2333.7	2320.8
15°	3721.9	*3631.6*	3614.4	3287.8	2823.7	2402.5	2179.0	2045.8	2002.8	1989.9
17.5°	4168.9	*3941.1*	3859.4	3197.6	2570.1	2191.9	2024.3	1964.1	1959.8	1955.5
20°	4641.6	*4190.4*	4035.6	3064.3	2484.1	2196.2	2071.5	2054.3	2045.8	2050.0
22.5°	5191.7	*4349.4*	4151.7	3085.8	2561.5	2338.0	2239.2	2226.3	2217.7	2226.3
25°	5759.1	*4534.2*	4289.2	3257.7	2793.6	2600.2	2484.1	2458.3	2484.1	2522.8
27.5°	6330.7	*4783.4*	4560.0	3597.3	3167.5	2956.9	2845.1	2939.7	2978.4	2982.7
30°	6837.8	*5131.6*	4925.3	4074.3	3593.0	3382.4	3403.9	3524.2	3571.5	3618.7
32.5°	7302.0	*5595.7*	5436.7	4615.8	4143.1	4018.4	4005.5	4095.8	4147.4	4117.3
35°	7770.4	*6201.7*	6047.0	5204.6	4817.8	4714.7	4607.2	4783.4	4766.3	4719.0
37.5°	8213.1	*6812.0*	6670.2	5836.4	5436.7	5256.2	5239.0	5398.0	5539.9	5531.3
40°	8531.1	*7306.3*	7134.3	6463.9	6085.7	5931.0	6021.2	6296.3	6261.9	6214.6
42.5°	8823.4	*7727.4*	7572.7	7014.0	6618.6	6687.4	6769.0	6953.8	6932.3	6885.1
45°	8960.9	*8088.5*	7955.2	7430.9	7237.5	7456.7	7452.4	7521.1	7405.1	7387.9
47.5°	9154.3	*8346.3*	8208.8	7804.8	7976.7	8067.0	7813.4	7740.3	7632.9	7546.9
50°	9511.0	*8746.0*	8608.5	8372.1	8518.2	8238.9	7929.4	7770.4	7551.2	7400.8
52.5°	9927.9	*9352.0*	9231.7	9137.1	8728.8	8152.9	7757.5	7469.6	7203.1	7074.2
55°	10452.2	*10246.0*	10160.0	9640.0	8539.7	7800.5	7336.3	6799.1	6433.8	6313.5
57.5°	10624.2	*11556.8*	11526.7	9721.6	8011.1	7160.1	6322.1	5595.7	5217.5	5140.2
60°	*10117.0*	*12584.0*	*12476.5*	*9584.1*	*7052.7*	*5810.6*	*4830.7*	*4087.2*	*3472.6*	*3382.4*
62.5°	9468.1	*11797.5*	11758.8	8892.1	5372.2	4164.6	3610.2	2913.9	2651.7	2583.0
65°	8109.9	*9652.9*	9670.0	7134.3	3399.6	2991.3	2965.5	2316.5	1994.2	1942.6
67.5°	6244.7	*7405.1*	7284.8	4486.9	1981.3	2393.9	2368.1	1693.3	1224.9	1190.5
70°	3648.8	*5514.1*	5320.7	2333.7	1310.8	1998.5	1822.3	1190.5	833.8	795.1
72.5°	1611.7	*3034.2*	3257.7	1027.2	924.0	1590.2	1315.1	730.6	468.5	459.9
75°	893.9	*1504.2*	1573.0	447.0	649.0	1130.3	795.1	408.3	266.5	262.2
77.5°	537.2	*666.2*	649.0	288.0	485.7	722.0	481.4	232.1	167.6	159.0
80°	300.8	*305.1*	257.9	210.6	288.0	404.0	270.8	146.1	77.4	77.4
82.5°	184.8	*167.6*	133.2	64.5	77.4	245.0	98.8	81.7	25.8	25.8
85°	77.4	*51.6*	34.4	12.9	30.1	64.5	34.4	38.7	12.9	12.9
87.5°	0.0	*0.0*	0.0	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

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

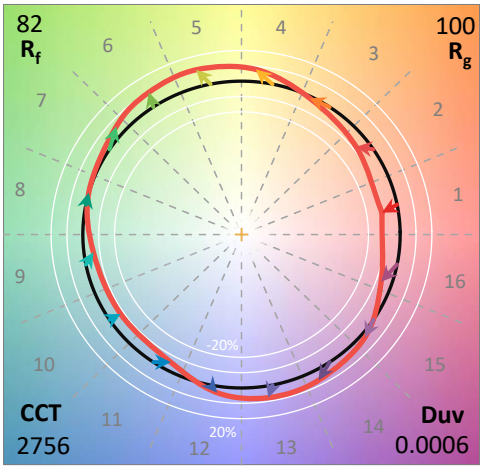
Test Information

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

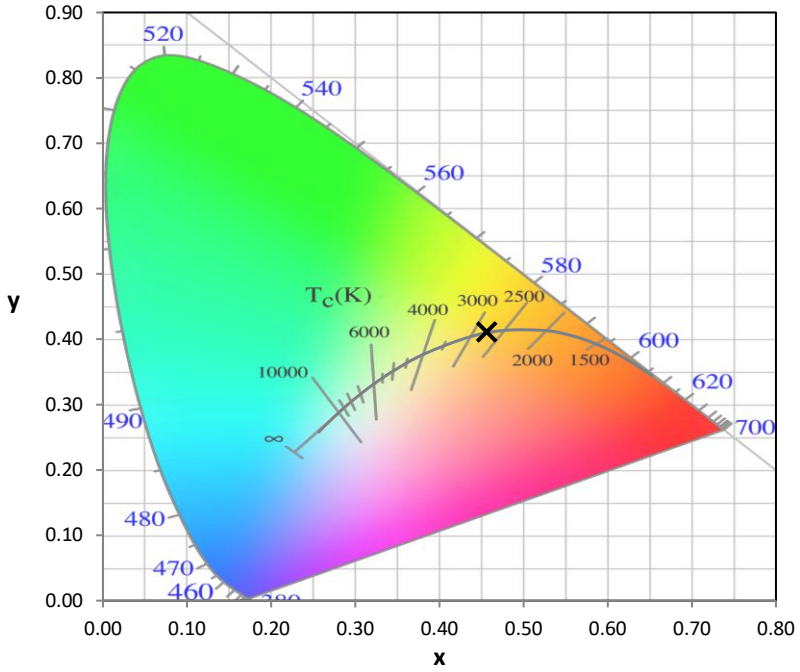
Stabilization Time:	29M
Operation Time:	1H 29M
Sphere Temperature (°C):	25.2

REPORT NUMBER: SP1-2407-184-8

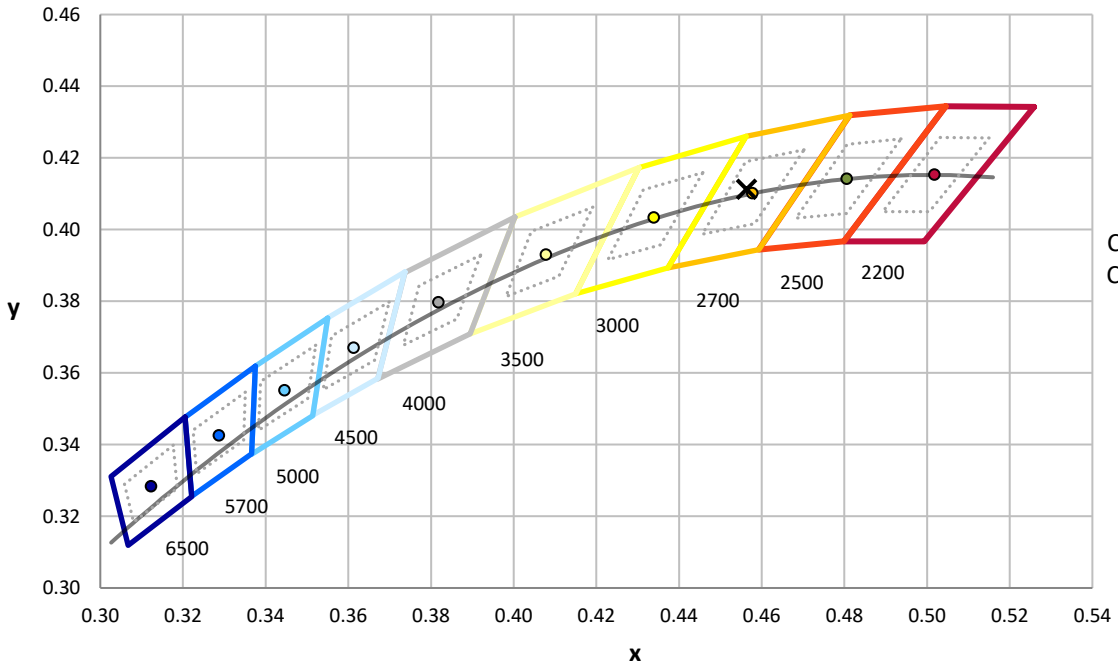
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

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CIE 1931 Chromaticity Diagram



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

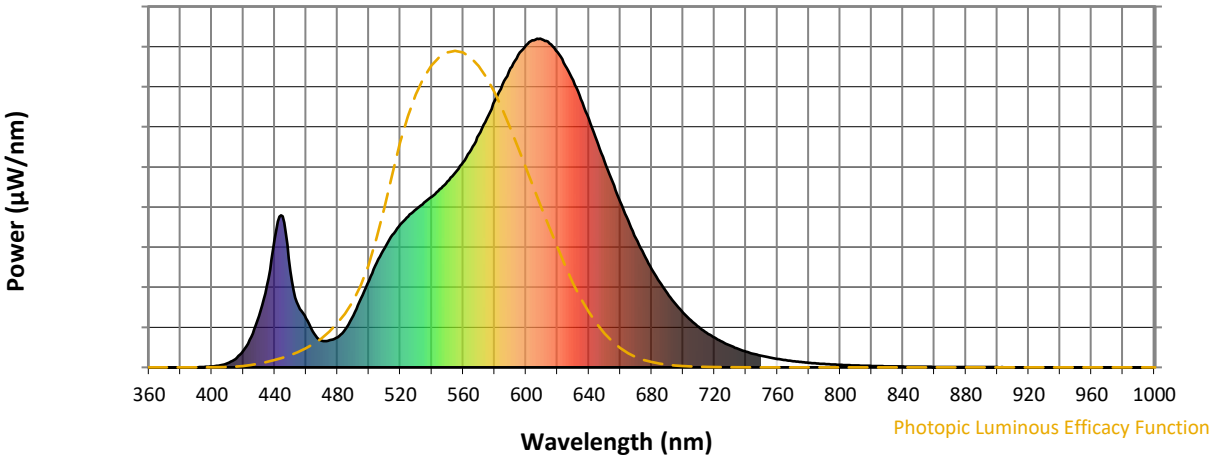


CCT = 2756K
CIE x = 0.4563
CIE y = 0.4112
Duv = 0.0006

Point lies inside the ANSI 2700K 4-step quadrangle

REPORT NUMBER: SP1-2407-184-8

Photopic Flux vs. Wavelength

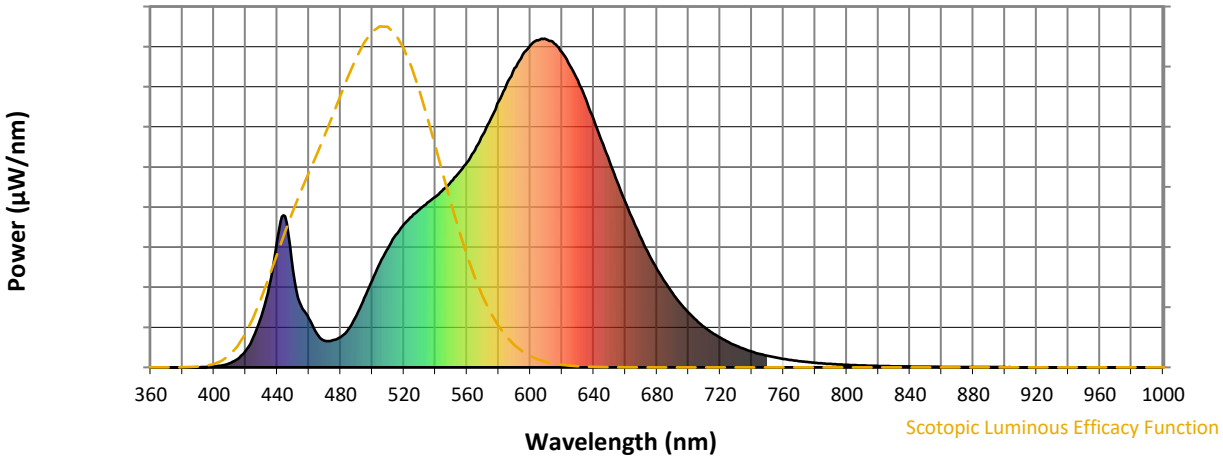


Photopic Lumens: NR

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			

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Scotopic Flux vs. Wavelength

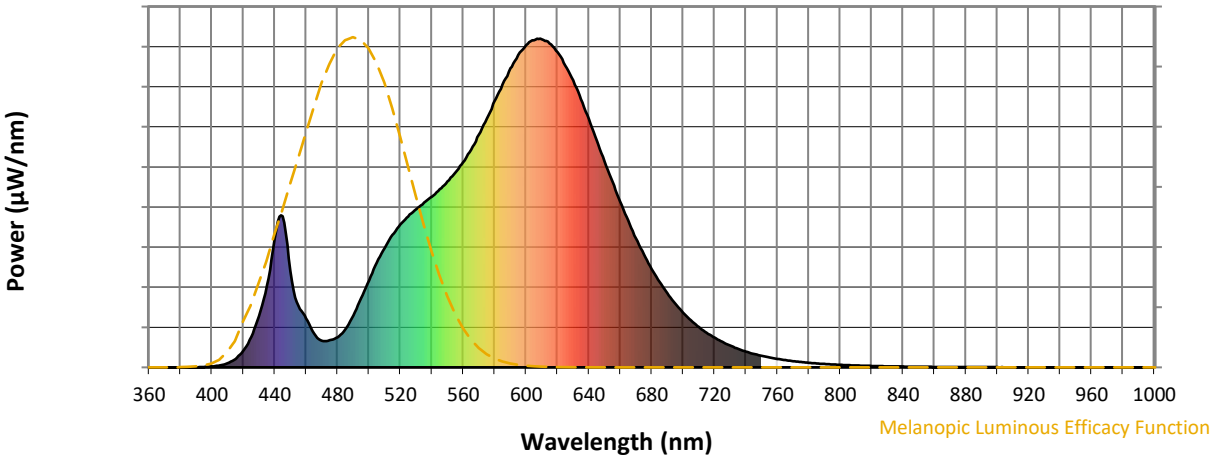


Scotopic Lumens: NR **S/P: 1.2**

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			

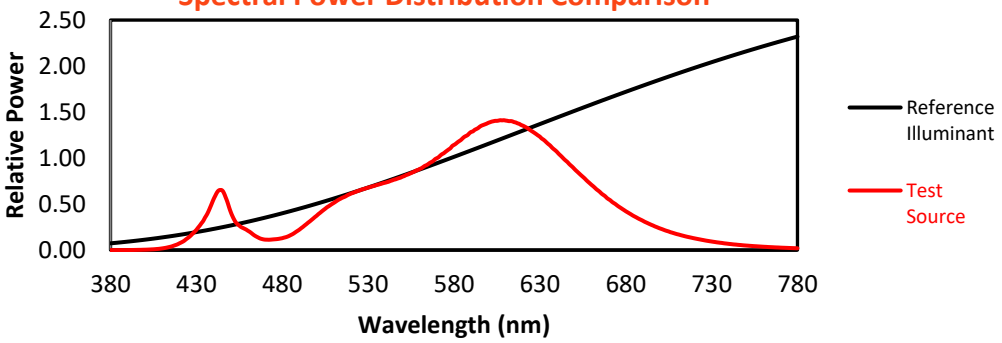
REPORT NUMBER: SP1-2407-184-8

TM-30-18

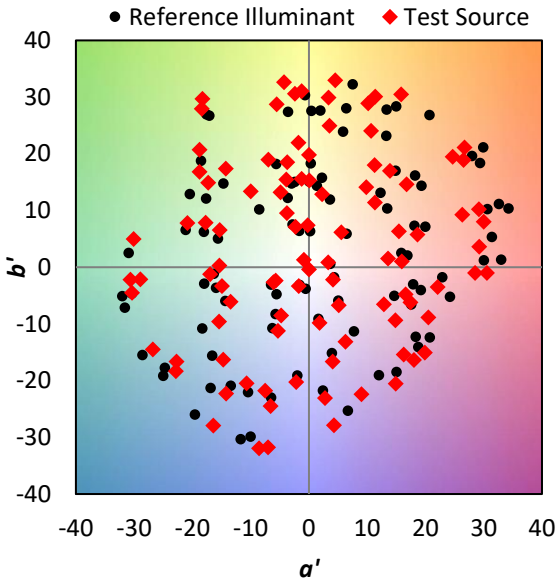
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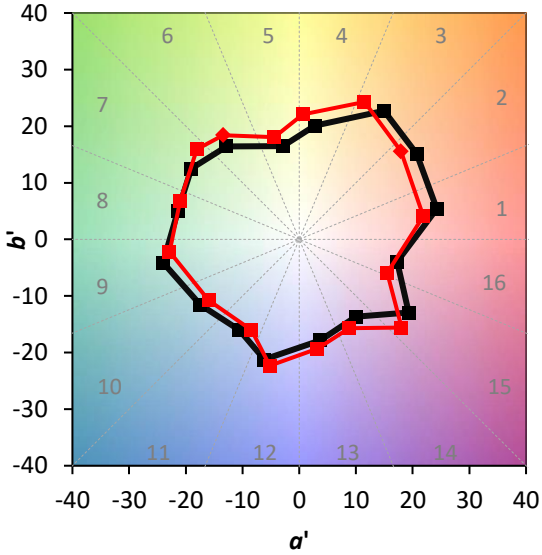
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R_g = 99.9
CIE R_a = 82.9
R_9 = 10.8

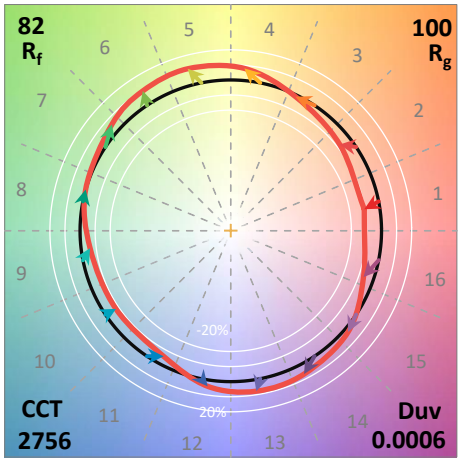
Spectral Power Distribution Comparison

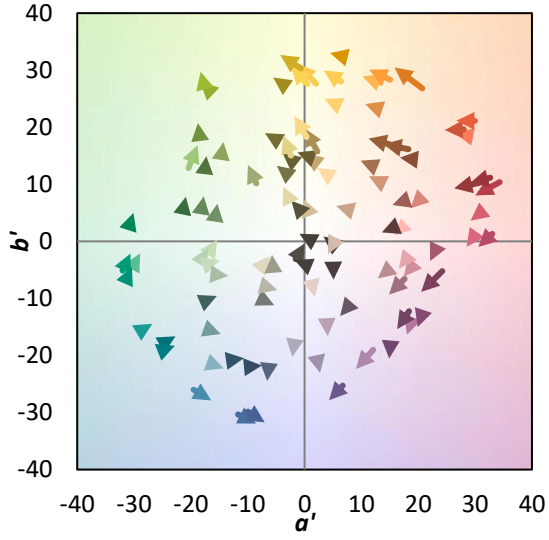


Color Vector Graphics







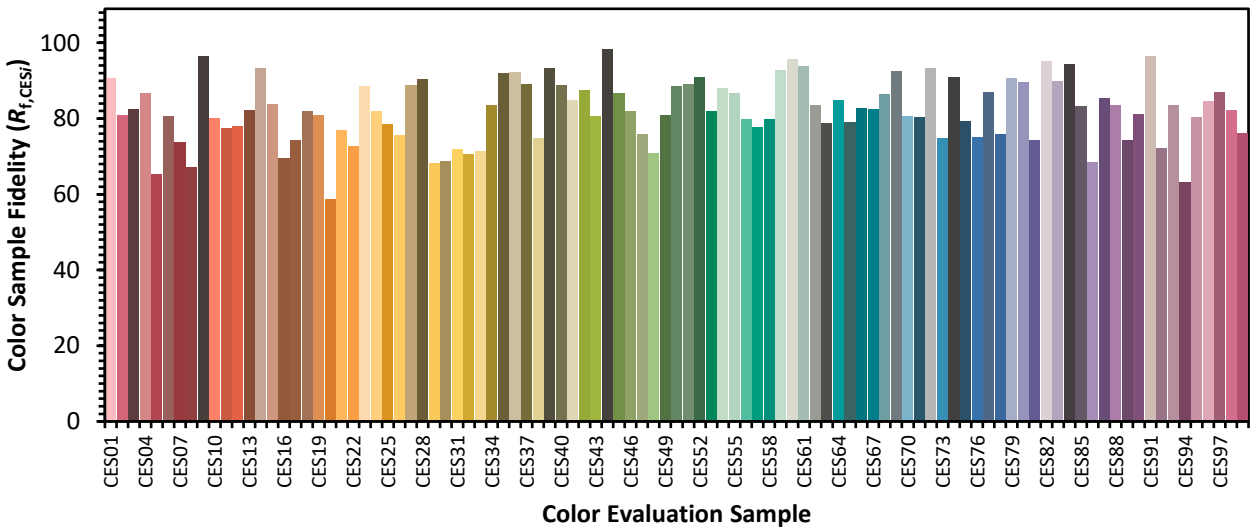


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Individual Sample Fidelity Index ($R_{f,i}$)

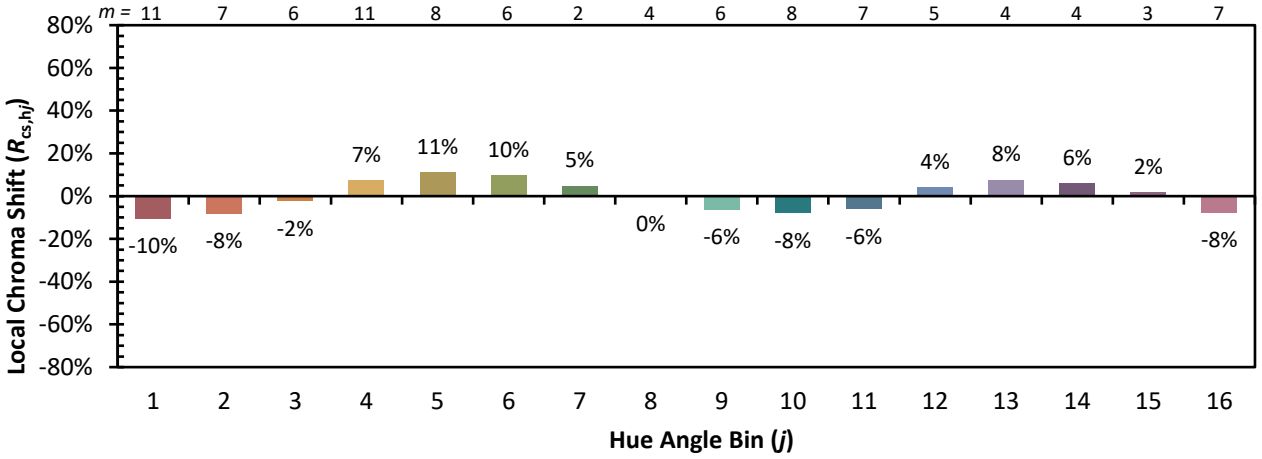
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CES02 = 63	CES27 = 89	CES52 = 91	CES77 = 87
CES03 = 31	CES28 = 90	CES53 = 82	CES78 = 76
CES04 = 71	CES29 = 68	CES54 = 88	CES79 = 91
CES05 = 50	CES30 = 69	CES55 = 87	CES80 = 90
CES06 = 52	CES31 = 72	CES56 = 80	CES81 = 74
CES07 = 43	CES32 = 71	CES57 = 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
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CES24 = 91	CES49 = 81	CES74 = 91	CES99 = 76
CES25 = 72	CES50 = 88	CES75 = 79	

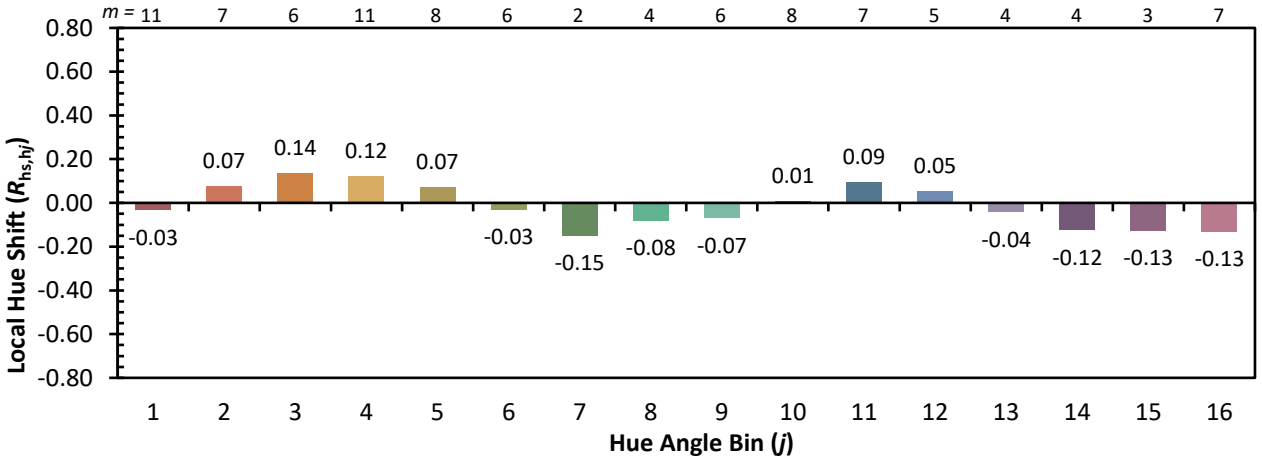


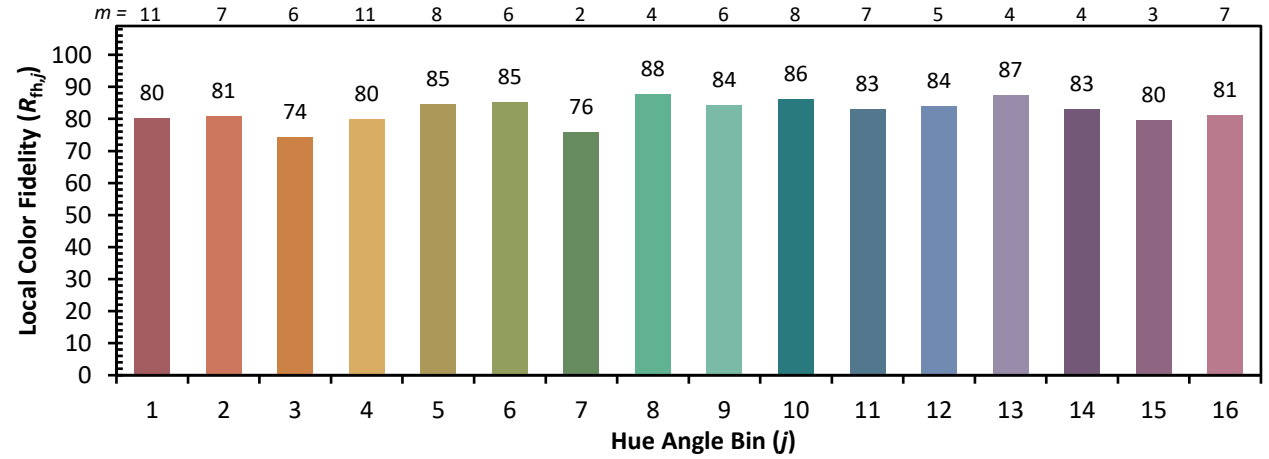
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Color Rendition by Hue-Angle Bin



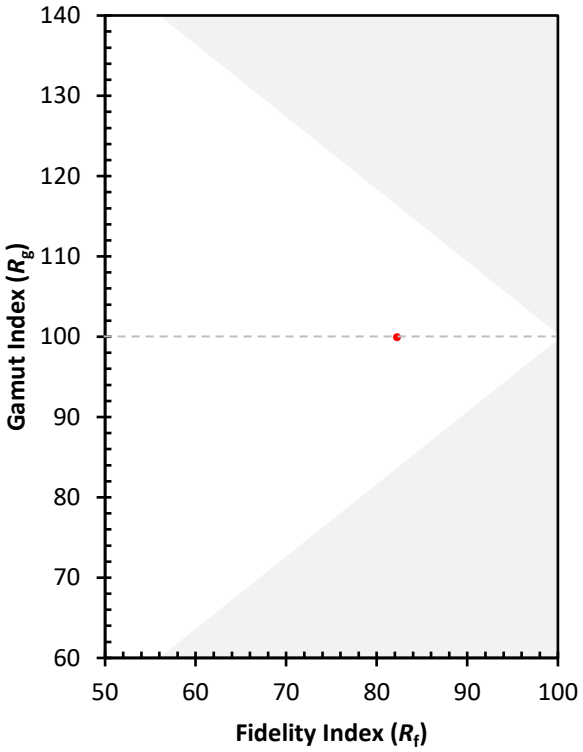


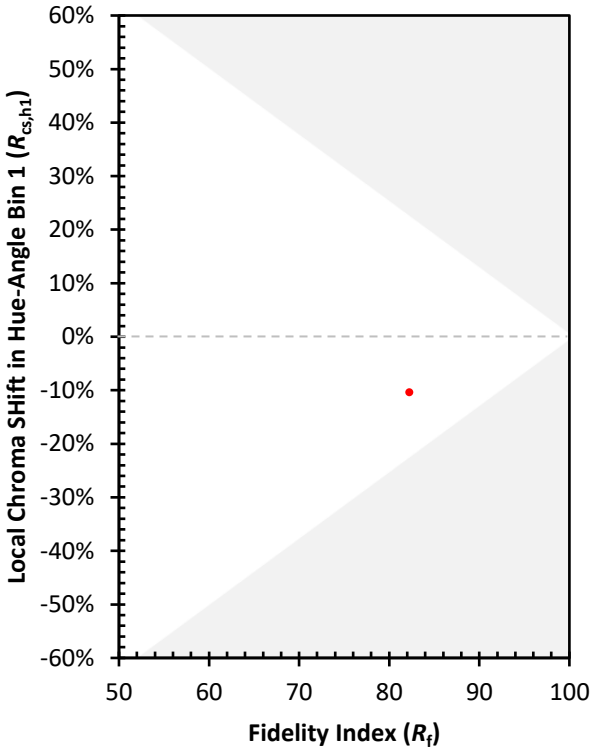


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Measure Comparisons





(END OF REPORT)