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: P1501513

Luminaire Tested: GSS-SB6A-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:	P1501513
Test Lab:	INNOVATION CENTER(G1)
Issue Date:	7/20/2026
Manufacturer:	COOPER LIGHTING SOLUTIONS
Product Line:	McGRAW-EDISON
Catalog Number:	GSS-SB6A-827-U-T2LG
Description:	GALLEON II SLIM SITE HIGH DENSITY LED ARRAYS 6SQUARE 170W 80CRI 2700K FIXTURE w/ TYPE II LOW GLARE DISTRIBUTION FIXTURE
Light Source:	(156) 2700K CCT, 80 CRI LEDS
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	22638.4 lumens
Efficiency:	N/A
Efficacy:	133.2 lumens/watt
Luminous Opening:	Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification:	Type II - Short
BUG Rating:	B3 - U0 - G3

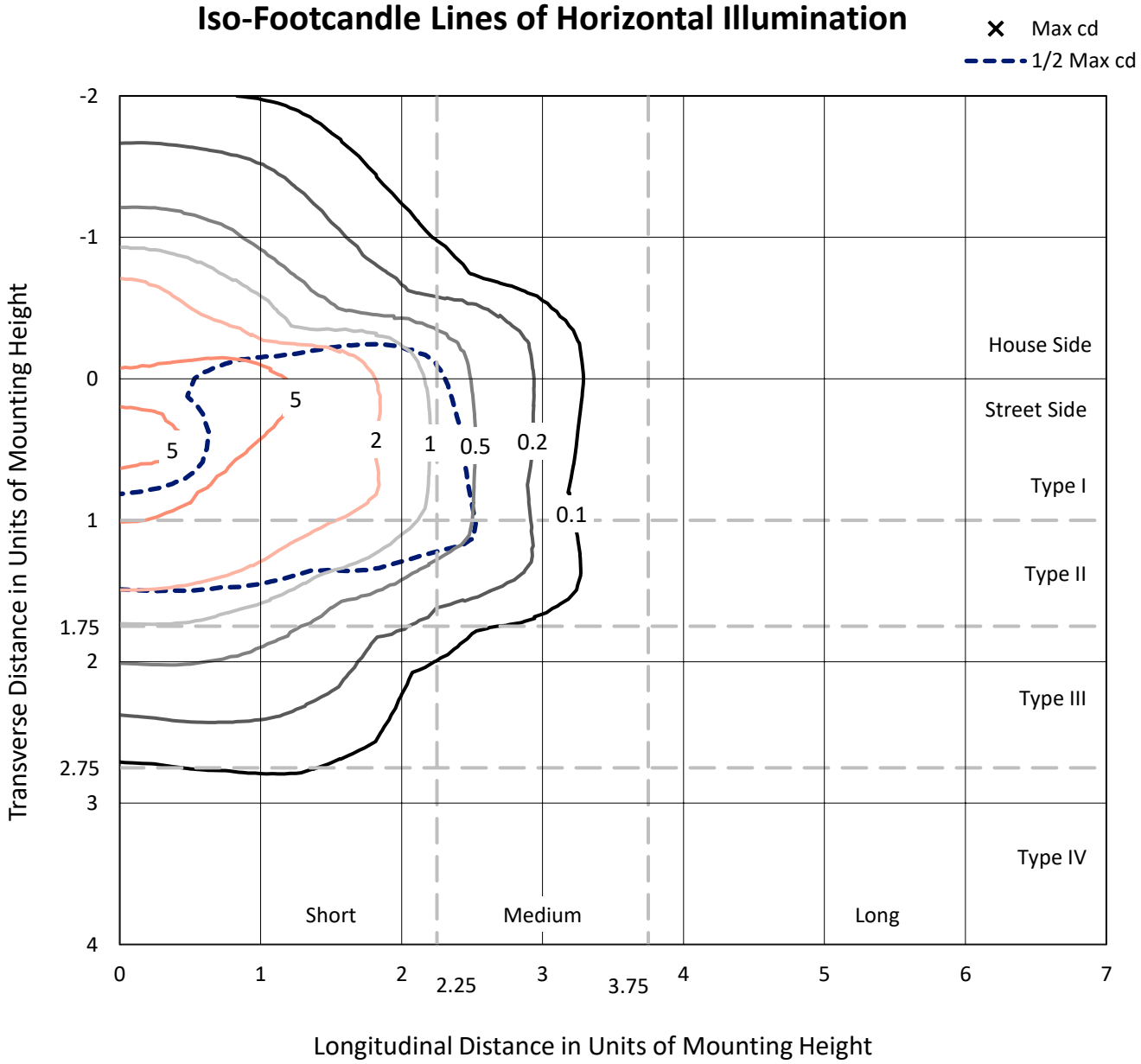
Input Watts (W):	170
Input Voltage (V):	120
Input Current (Ain):	NR
Voltage Rise (V):	NR
Power Factor:	0.98
Total Harmonic Distortion (THDi):	12.0%
Frequency (hertz):	60
Stabilization Time:	NR
Operation Time:	NR
Ambient Temperature (°C):	NR
Test Distance:	28.75 FT

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Iso-Footcandle Lines of Horizontal Illumination



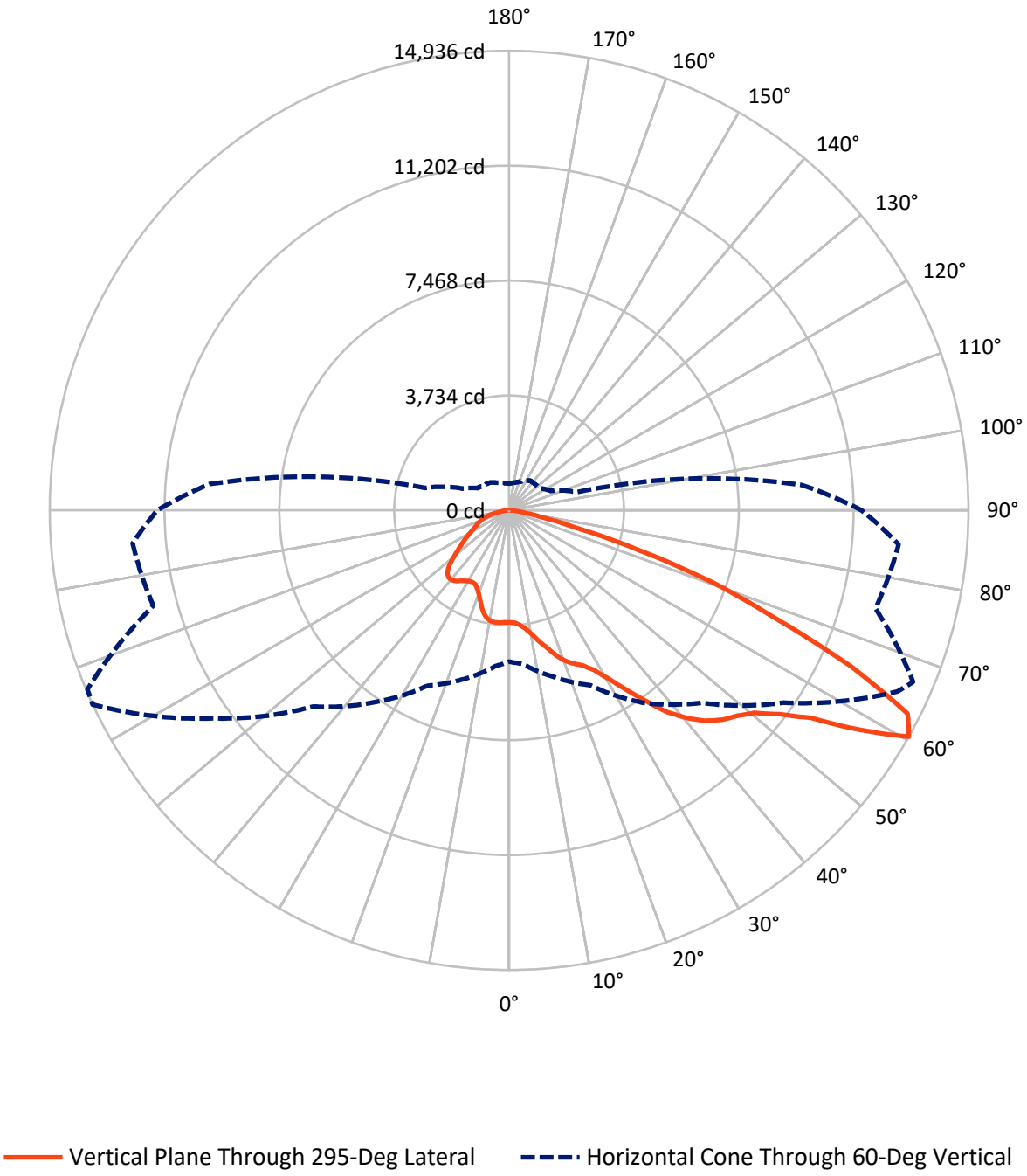
Based on 25 foot mounting height. Maximum calculated value = 8.8 fc
Type II - Short - N/A

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Luminous Intensity Polar Plot



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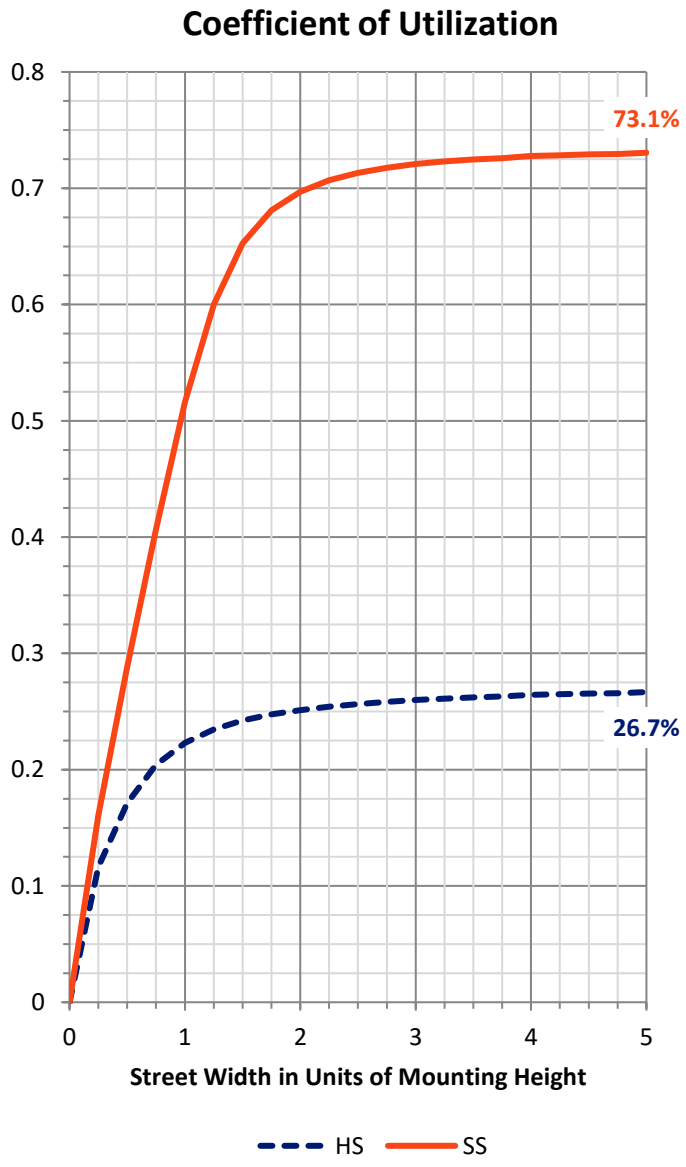
REPORT NUMBER: P1501513
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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	6087.8	0.0	6087.8
	% Fixture	26.9	0.0	26.9
Street Side	Lumens	16550.7	0.0	16550.7
	% Fixture	73.1	0.0	73.1
Total	Lumens	22638.4	0.0	22638.4
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	342.5	1.5
10°-20°	984.5	4.3
20°-30°	1864.8	8.2
30°-40°	3287.6	14.5
40°-50°	4861.9	21.5
50°-60°	5709.2	25.2
60°-70°	4136.6	18.3
70°-80°	1275.7	5.6
80°-90°	175.6	0.8
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	22638.4	100.0
0°-180°	22638.4	100.0



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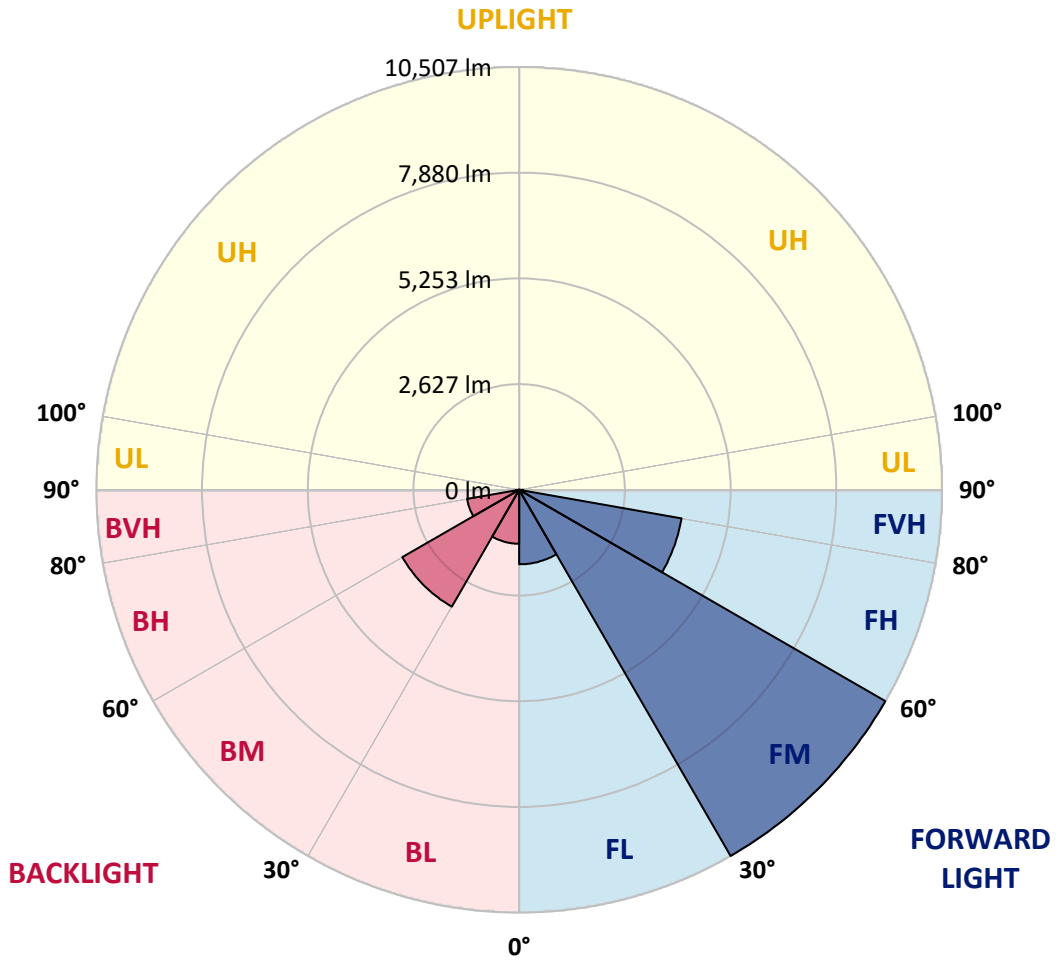
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	1851.1	8.2			
FM	(30°-60°)	10506.6	46.4			
FH	(60°-80°)	4098.3	18.1			G2/5000
FVH	(80°-90°)	94.7	0.4			G1/100
BL	(0°-30°)	1340.7	5.9	B3/2500		
BM	(30°-60°)	3352.1	14.8	B3/5000		
BH	(60°-80°)	1314.0	5.8	B3/2500		G3/2500
BVH	(80°-90°)	80.9	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°	3642.4	3642.4	3642.4	3642.4	3642.4	3642.4	3642.4	3642.4	3642.4	3642.4	3642.4
2.5°	3714.6	3725.0	3709.5	3719.8	3719.8	3704.3	3699.2	3678.5	3688.9	3683.7	3678.5
5°	3802.4	3807.5	3797.2	3812.7	3812.7	3817.8	3812.7	3786.9	3786.9	3786.9	3776.6
7.5°	3776.6	3776.6	3781.7	3833.3	3884.9	3952.0	3952.0	3941.7	3952.0	3946.8	3900.4
10°	3559.9	3580.5	3626.9	3755.9	3879.7	4024.2	4122.2	4153.2	4153.2	4158.3	4081.0
12.5°	3172.9	3188.4	3296.8	3492.8	3750.8	4013.9	4251.2	4406.0	4421.5	4447.3	4344.1
15°	2827.3	2837.6	2915.0	3116.2	3410.3	3874.6	4323.4	4643.3	4694.9	4803.2	4648.5
17.5°	2858.2	2853.1	2873.7	2951.1	3162.6	3647.6	4308.0	4921.9	5014.8	5205.7	5071.5
20°	3043.9	3043.9	3059.4	3074.9	3152.3	3482.5	4194.5	5148.9	5329.5	5701.0	5546.2
22.5°	3338.0	3338.0	3332.9	3358.7	3358.7	3554.7	4199.6	5319.2	5587.5	6253.0	6103.4
25°	3745.6	3725.0	3725.0	3735.3	3688.9	3828.2	4328.6	5494.6	5845.4	6908.2	6779.2
27.5°	4204.8	4220.3	4209.9	4173.8	4111.9	4220.3	4638.2	5768.0	6134.3	7599.6	7548.0
30°	4705.2	4710.4	4720.7	4700.1	4648.5	4725.9	5123.1	6180.8	6516.1	8321.8	8435.3
32.5°	5195.3	5267.6	5241.8	5190.2	5210.8	5350.1	5721.6	6738.0	7083.6	8992.5	9395.0
35°	5819.6	5845.4	5948.6	5757.7	5762.9	6000.2	6485.2	7470.6	7805.9	9689.0	10354.6
37.5°	6727.6	6774.1	6727.6	6428.4	6382.0	6712.2	7228.1	8192.9	8435.3	10215.3	11247.1
40°	7620.2	7676.9	7754.3	7403.5	7109.4	7382.9	7929.7	8744.9	8997.7	10504.2	11840.4
42.5°	8358.0	8450.8	8368.3	8265.1	7996.8	8048.4	8419.9	9173.1	9425.9	10870.5	12438.9
45°	8982.2	8997.7	9033.8	8961.6	8827.4	8781.0	8837.8	9549.7	9828.3	11035.6	12733.0
47.5°	9240.2	9307.3	9338.2	9462.0	9601.3	9508.5	9193.8	9725.2	9978.0	11025.3	12825.9
50°	9100.9	9168.0	9333.1	9627.1	9962.5	10127.6	9611.7	9967.6	10251.4	11211.0	13016.7
52.5°	8734.6	8806.8	9075.1	9410.4	9972.8	10349.4	10199.8	10473.2	10746.7	11541.2	13336.6
55°	7847.2	7955.5	8332.2	8889.4	9663.2	10230.8	10818.9	11216.2	11515.4	11938.5	13666.8
57.5°	6557.4	6670.9	7093.9	7929.7	9090.6	9740.6	10999.5	12609.2	12743.3	12413.1	13697.8
60°	*4911.6*	*5004.5*	*5602.9*	*6273.6*	*7635.7*	*8842.9*	*10896.3*	*13929.9*	*14270.4*	*12330.6*	*12712.4*
62.5°	3890.1	4003.6	4535.0	4844.5	5819.6	7305.5	10535.2	14296.2	14590.3	11649.6	11340.0
65°	3038.8	3116.2	3611.5	4055.2	4292.5	4989.0	9028.7	12506.0	12769.1	10540.3	9358.9
67.5°	2006.9	2125.6	2713.8	3322.5	3446.4	3172.9	6211.7	9622.0	9745.8	8378.6	7037.2
70°	1439.4	1496.2	1934.7	2584.8	2770.5	2125.6	3384.5	7284.8	7321.0	5623.6	4741.3
72.5°	980.3	990.6	1315.6	1981.1	2208.2	1542.6	1862.5	4798.1	4674.3	2775.7	2713.8
75°	665.5	675.9	841.0	1320.8	1563.2	1073.1	1212.4	2615.7	2512.5	1532.3	1645.8
77.5°	448.9	459.2	577.8	887.4	1042.2	742.9	887.4	1382.7	1356.9	1016.4	882.2
80°	340.5	356.0	428.2	567.5	727.5	433.4	505.6	655.2	665.5	541.7	448.9
82.5°	190.9	211.5	258.0	288.9	469.5	242.5	242.5	392.1	376.6	335.4	242.5
85°	82.5	87.7	103.2	108.3	190.9	103.2	87.7	170.3	175.4	165.1	77.4
87.5°	15.5	15.5	15.5	15.5	15.5	15.5	15.5	20.6	20.6	20.6	20.6
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°	3642.4	3642.4	3642.4	3642.4	3642.4	3642.4	3642.4	3642.4	3642.4	3642.4	3642.4
2.5°	3652.7	3683.7	3652.7	3637.3	3637.3	3611.5	3601.1	3601.1	3565.0	3580.5	3570.2
5°	3735.3	3745.6	3709.5	3663.1	3601.1	3549.6	3477.3	3384.5	3327.7	3322.5	3327.7
7.5°	3864.3	3869.4	3771.4	3668.2	3513.4	3327.7	3105.9	2925.3	2765.3	2739.6	2770.5
10°	4044.8	4034.5	3890.1	3647.6	3322.5	2930.4	2589.9	2424.8	2332.0	2326.8	2321.7
12.5°	4287.3	4220.3	3998.4	3559.9	2992.4	2538.3	2362.9	2352.6	2378.4	2399.0	2404.2
15°	4565.9	4478.2	4086.1	3389.6	2657.0	2393.9	2404.2	2491.9	2522.9	2543.5	2543.5
17.5°	4911.6	4798.1	4184.1	3147.1	2486.8	2424.8	2497.1	2579.6	2631.2	2651.8	2646.7
20°	5370.8	5133.4	4261.5	2915.0	2440.3	2476.4	2538.3	2620.9	2672.5	2698.3	2698.3
22.5°	5829.9	5535.9	4277.0	2755.0	2440.3	2481.6	2538.3	2620.9	2677.6	2703.4	2698.3
25°	6454.2	6051.8	4282.2	2641.5	2445.5	2455.8	2507.4	2579.6	2662.2	2688.0	2698.3
27.5°	7119.7	6619.3	4308.0	2615.7	2424.8	2419.7	2455.8	2522.9	2605.4	2672.5	2677.6
30°	7945.2	7259.0	4318.3	2641.5	2430.0	2362.9	2388.7	2455.8	2543.5	2610.6	2631.2
32.5°	8755.2	7852.4	4297.6	2698.3	2440.3	2326.8	2332.0	2373.2	2466.1	2512.5	2548.7
35°	9611.7	8481.8	4261.5	2775.7	2445.5	2311.3	2264.9	2285.5	2347.5	2352.6	2368.1
37.5°	10282.4	8951.3	4153.2	2878.9	2455.8	2254.6	2161.7	2146.2	2120.4	2068.9	2079.2
40°	10834.4	9266.0	3972.6	2930.4	2430.0	2187.5	2032.7	1960.5	1862.5	1785.1	1800.6
42.5°	11231.7	9477.5	3755.9	2940.8	2388.7	2074.0	1883.1	1759.3	1651.0	1568.4	1573.6
45°	11407.1	9456.9	3523.8	2863.4	2290.7	1934.7	1743.8	1625.2	1506.5	1418.8	1408.5
47.5°	11412.2	9255.7	3203.9	2677.6	2125.6	1774.8	1614.8	1485.9	1387.8	1325.9	1320.8
50°	11453.5	9142.2	2904.6	2409.4	1908.9	1604.5	1501.3	1372.4	1315.6	1227.9	1202.1
52.5°	11711.5	9327.9	2698.3	2115.3	1707.7	1480.7	1403.3	1289.8	1196.9	1140.2	1135.0
55°	12129.4	9647.8	2584.8	1893.4	1516.8	1362.0	1310.4	1212.4	1129.9	1073.1	1057.6
57.5°	12181.0	9812.9	2450.6	1687.1	1362.0	1269.2	1248.5	1140.2	1021.5	980.3	964.8
60°	*11458.7*	*9534.3*	*2285.5*	*1496.2*	*1248.5*	*1196.9*	*1186.6*	*1042.2*	*944.1*	*892.5*	*871.9*
62.5°	10473.2	8837.8	2032.7	1320.8	1160.8	1124.7	1083.4	969.9	846.1	789.4	773.9
65°	8559.2	7429.3	1728.3	1202.1	1073.1	1031.8	1021.5	866.8	784.2	753.2	748.1
67.5°	6485.2	5969.2	1522.0	1114.4	980.3	964.8	928.7	877.1	841.0	804.8	794.5
70°	4586.6	4308.0	1295.0	1000.9	887.4	861.6	1011.2	954.5	825.5	779.0	773.9
72.5°	2780.8	2703.4	1119.6	897.7	763.6	804.8	933.8	861.6	742.9	686.2	665.5
75°	1754.1	1604.5	939.0	763.6	608.8	655.2	815.2	768.7	639.7	583.0	567.5
77.5°	954.5	887.4	706.8	624.3	479.8	531.4	712.0	634.6	510.8	557.2	495.3
80°	417.9	464.3	469.5	361.1	319.9	392.1	510.8	495.3	392.1	397.3	330.2
82.5°	201.2	263.1	304.4	247.6	180.6	232.2	340.5	283.8	263.1	247.6	237.3
85°	61.9	98.0	134.1	118.7	82.5	98.0	159.9	154.8	185.7	159.9	149.6
87.5°	20.6	20.6	15.5	15.5	15.5	20.6	25.8	15.5	5.2	5.2	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°	3642.4	3642.4	3642.4	3642.4	3642.4	3642.4	3642.4	3642.4	3642.4	3642.4	3642.4
2.5°	3565.0	3570.2	3570.2	3575.3	3575.3	3590.8	3611.5	3632.1	3616.6	3637.3	3642.4
5°	3317.4	3343.2	3363.8	3441.2	3503.1	3554.7	3611.5	3663.1	3678.5	3688.9	3714.6
7.5°	2734.4	2806.6	2940.8	3116.2	3312.2	3503.1	3632.1	3766.2	3786.9	3812.7	3848.8
10°	2326.8	2357.8	2450.6	2631.2	2982.0	3358.7	3673.4	3884.9	3972.6	4024.2	4060.3
12.5°	2393.9	2373.2	2357.8	2383.6	2610.6	3095.5	3647.6	4055.2	4220.3	4277.0	4323.4
15°	2553.8	2533.2	2476.4	2404.2	2430.0	2816.9	3559.9	4215.1	4478.2	4571.1	4669.1
17.5°	2646.7	2626.1	2579.6	2502.2	2435.2	2584.8	3394.8	4359.6	4885.8	4999.3	5138.6
20°	2698.3	2677.6	2631.2	2553.8	2476.4	2497.1	3183.2	4540.1	5350.1	5530.7	5737.1
22.5°	2708.6	2682.8	2631.2	2553.8	2507.4	2491.9	2982.0	4648.5	5850.6	6129.2	6366.5
25°	2703.4	2657.0	2589.9	2533.2	2507.4	2502.2	2842.7	4710.4	6392.3	6836.0	7104.3
27.5°	2667.3	2610.6	2543.5	2502.2	2491.9	2522.9	2780.8	4782.6	7026.9	7594.4	8022.6
30°	2626.1	2543.5	2461.0	2445.5	2471.3	2569.3	2832.4	4808.4	7692.4	8419.9	8858.4
32.5°	2517.7	2455.8	2373.2	2368.1	2430.0	2605.4	2951.1	4772.3	8280.6	9245.3	9797.4
35°	2362.9	2326.8	2280.4	2295.9	2393.9	2636.4	3033.6	4658.8	8817.1	10014.1	10659.0
37.5°	2089.5	2115.3	2141.1	2177.2	2301.0	2631.2	3069.7	4478.2	9260.8	10628.0	11453.5
40°	1785.1	1872.8	1955.3	2048.2	2213.3	2589.9	3080.1	4256.4	9518.8	11092.4	12160.3
42.5°	1594.2	1676.8	1779.9	1914.1	2094.6	2497.1	3069.7	4008.7	9601.3	11412.2	12609.2
45°	1418.8	1516.8	1645.8	1785.1	1991.5	2362.9	2976.9	3740.4	9642.6	11561.8	12800.1
47.5°	1325.9	1382.7	1501.3	1640.6	1857.3	2197.8	2796.3	3544.4	9580.7	11592.8	13032.2
50°	1217.6	1295.0	1372.4	1506.5	1718.0	1991.5	2579.6	3430.9	9683.9	11897.2	13398.5
52.5°	1135.0	1176.3	1258.9	1382.7	1537.5	1800.6	2373.2	3338.0	9967.6	12206.7	13780.3
55°	1073.1	1119.6	1171.1	1274.3	1393.0	1609.7	2161.7	3198.7	10297.8	12536.9	14162.1
57.5°	975.1	1006.1	1078.3	1186.6	1264.0	1423.9	1914.1	3033.6	10272.0	12279.0	13501.7
60°	*887.4*	*918.3*	*995.7*	*1104.1*	*1150.5*	*1258.9*	*1671.6*	*2822.1*	*9776.7*	*11438.0*	*12284.1*
62.5°	789.4	825.5	918.3	995.7	1037.0	1119.6	1418.8	2435.2	8744.9	10174.0	10860.2
65°	748.1	768.7	830.6	923.5	918.3	995.7	1196.9	1914.1	7037.2	7775.0	8399.2
67.5°	794.5	825.5	815.2	841.0	825.5	866.8	1073.1	1537.5	5530.7	5855.7	6216.9
70°	784.2	856.4	892.5	841.0	722.3	768.7	928.7	1227.9	3957.1	3926.2	3910.7
72.5°	686.2	758.4	861.6	913.2	706.8	639.7	804.8	1062.8	2538.3	2528.0	2285.5
75°	583.0	634.6	758.4	825.5	608.8	515.9	691.3	902.9	1516.8	1537.5	1372.4
77.5°	536.6	510.8	634.6	727.5	495.3	397.3	557.2	681.0	835.8	846.1	784.2
80°	386.9	371.5	474.6	531.4	376.6	283.8	314.7	423.1	448.9	402.4	417.9
82.5°	247.6	252.8	283.8	340.5	232.2	154.8	216.7	283.8	242.5	196.1	232.2
85°	159.9	180.6	149.6	175.4	72.2	72.2	92.9	123.8	82.5	56.8	61.9
87.5°	0.0	0.0	10.3	20.6	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: P1501513
CATALOG NUMBER: GSS-SB6A-827-U-T2LG

CANDELA DISTRIBUTION (continued):

	285°	293°	295°	305°	315°	325°	335°	345°	355°	360°
0°	3642.4	3642.4	*3642.4*	3642.4	3642.4	3642.4	3642.4	3642.4	3642.4	3642.4
2.5°	3657.9	3652.7	*3652.7*	3663.1	3688.9	3699.2	3714.6	3709.5	3725.0	3714.6
5°	3730.1	3735.3	*3750.8*	3755.9	3771.4	3792.0	3797.2	3792.0	3802.4	3802.4
7.5°	3874.6	3895.2	*3884.9*	3910.7	3890.1	3864.3	3823.0	3792.0	3766.2	3776.6
10°	4117.1	4106.8	*4101.6*	4055.2	3962.3	3828.2	3719.8	3601.1	3580.5	3559.9
12.5°	4385.3	4375.0	*4375.0*	4215.1	3952.0	3673.4	3425.7	3240.0	3178.1	3172.9
15°	4762.0	4694.9	*4633.0*	4297.6	3771.4	3296.8	3007.8	2863.4	2827.3	2827.3
17.5°	5231.5	5056.0	*4952.9*	4235.7	3477.3	3049.1	2878.9	2842.7	2832.4	2858.2
20°	5814.5	5370.8	*5221.1*	4096.4	3369.0	3080.1	2997.5	3002.7	3007.8	3043.9
22.5°	6454.2	5659.7	*5412.0*	4096.4	3477.3	3276.1	3234.8	3291.6	3307.1	3338.0
25°	7166.2	5917.6	*5582.3*	4313.1	3797.2	3647.6	3596.0	3652.7	3694.0	3745.6
27.5°	7965.9	6185.9	*5876.4*	4705.2	4209.9	4117.1	4060.3	4086.1	4142.9	4204.8
30°	8683.0	6634.8	*6325.2*	5303.7	4772.3	4658.8	4560.8	4602.0	4663.9	4705.2
32.5°	9317.6	7181.7	*6918.5*	5933.1	5417.2	5221.1	5112.8	5102.5	5226.3	5195.3
35°	9900.6	7826.6	*7573.8*	6650.3	6072.4	5829.9	5685.5	5871.2	5788.7	5819.6
37.5°	10359.7	8497.3	*8296.0*	7336.4	6753.4	6423.2	6335.5	6562.5	6691.5	6727.6
40°	10736.4	9080.3	*8868.7*	8017.4	7377.7	7135.2	7274.5	7651.1	7635.7	7620.2
42.5°	11025.3	9580.7	*9348.5*	8533.4	7976.2	8022.6	8131.0	8383.8	8445.7	8358.0
45°	11154.3	9895.4	*9709.7*	8941.0	8657.2	8925.5	8971.9	9080.3	9039.0	8982.2
47.5°	11303.9	10174.0	*9978.0*	9312.4	9395.0	9658.1	9565.2	9477.5	9327.9	9240.2
50°	11556.7	10504.2	*10339.1*	9854.1	10153.4	10065.7	9704.5	9508.5	9204.1	9100.9
52.5°	12036.5	11128.5	*11004.6*	10710.6	10509.4	10003.8	9565.2	9214.4	8873.9	8734.6
55°	12464.7	11974.6	*11902.4*	11510.3	10401.0	9678.7	9090.6	8548.9	7965.9	7847.2
57.5°	12712.4	13377.9	*13460.4*	11850.8	9905.7	8941.0	8074.2	7207.4	6655.4	6557.4
60°	*11974.6*	*14894.7*	*14936.0*	*11783.7*	*9013.2*	*7609.9*	*6289.1*	*5675.2*	*5081.8*	*4911.6*
62.5°	10958.2	14580.0	*14543.9*	11381.3	7176.5	5551.3	4777.5	4488.5	4029.4	3890.1
65°	9420.8	12144.8	*12186.1*	9833.5	4772.3	4013.9	4013.9	3647.6	3136.8	3038.8
67.5°	7676.9	9364.0	*9271.1*	6376.8	2930.4	3214.2	3369.0	2842.7	2125.6	2006.9
70°	4989.0	7150.7	*7021.7*	3678.5	1841.8	2677.6	2651.8	2135.9	1522.0	1439.4
72.5°	2146.2	4132.5	*4395.7*	1878.0	1387.8	2156.6	2115.3	1496.2	1016.4	980.3
75°	1295.0	2079.2	*2264.9*	1196.9	1011.2	1625.2	1465.2	949.3	691.3	665.5
77.5°	820.3	1140.2	*1129.9*	897.7	758.4	1098.9	985.4	655.2	469.5	448.9
80°	474.6	562.4	*583.0*	562.4	510.8	784.2	629.4	474.6	366.3	340.5
82.5°	304.4	350.8	*356.0*	273.4	283.8	505.6	340.5	278.6	211.5	190.9
85°	134.1	149.6	*144.5*	92.9	92.9	206.4	118.7	113.5	82.5	82.5
87.5°	5.2	10.3	*5.2*	5.2	5.2	20.6	10.3	15.5	15.5	15.5
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

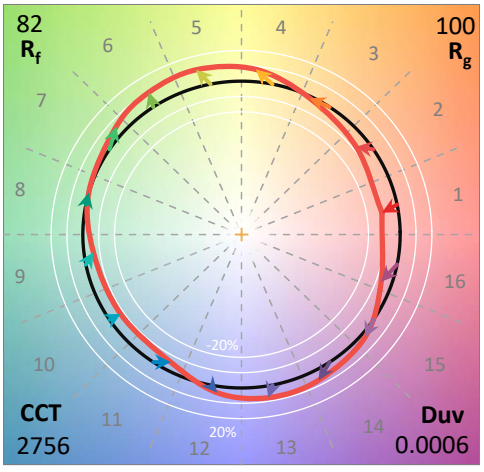
Test Information

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

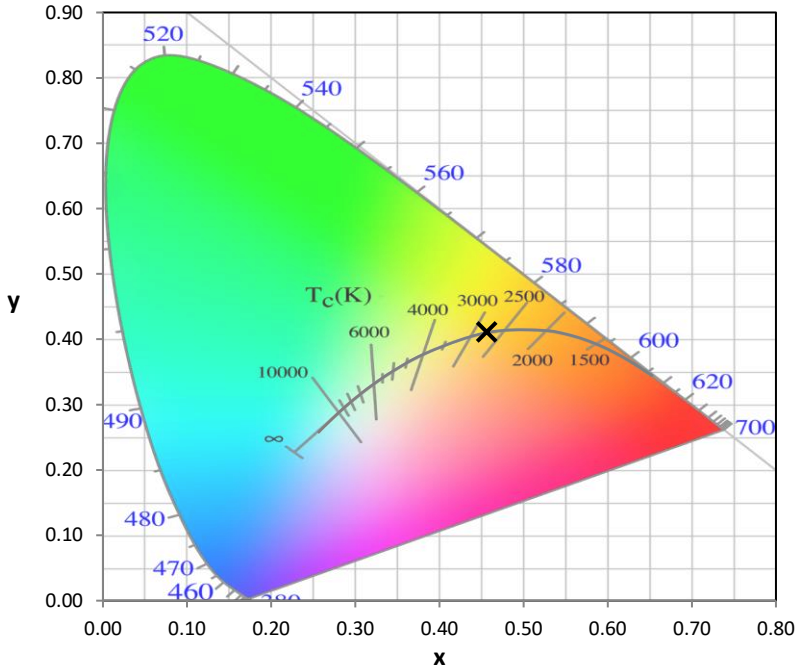
Stabilization Time:	29M
Operation Time:	1H 29M
Sphere Temperature (°C):	25.2

REPORT NUMBER: SP1-2407-184-8

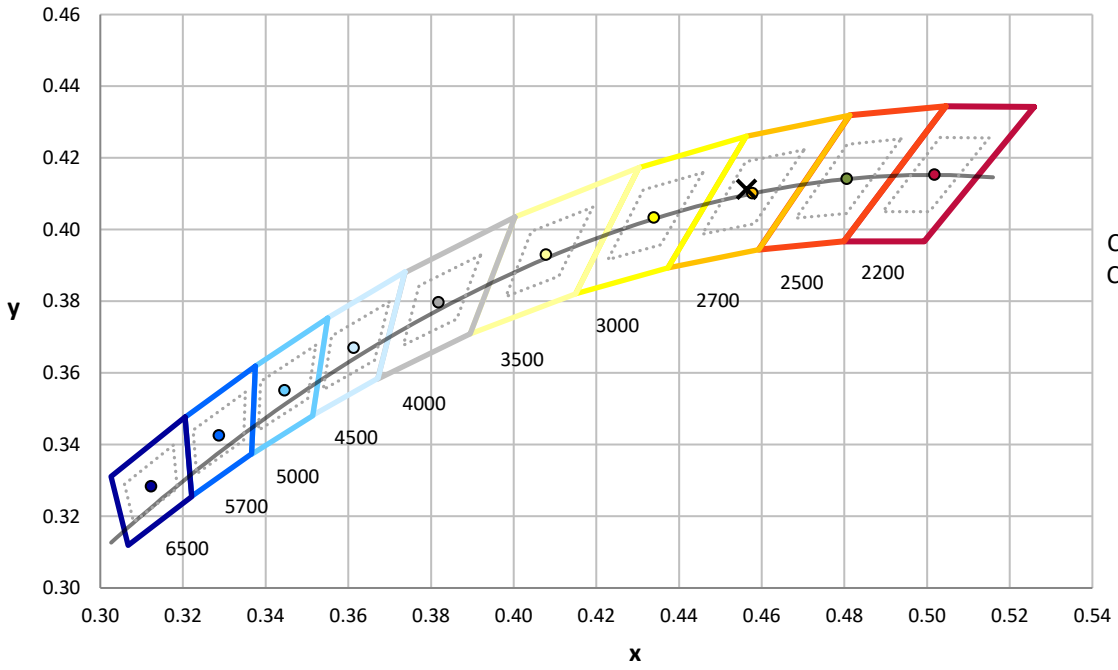
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

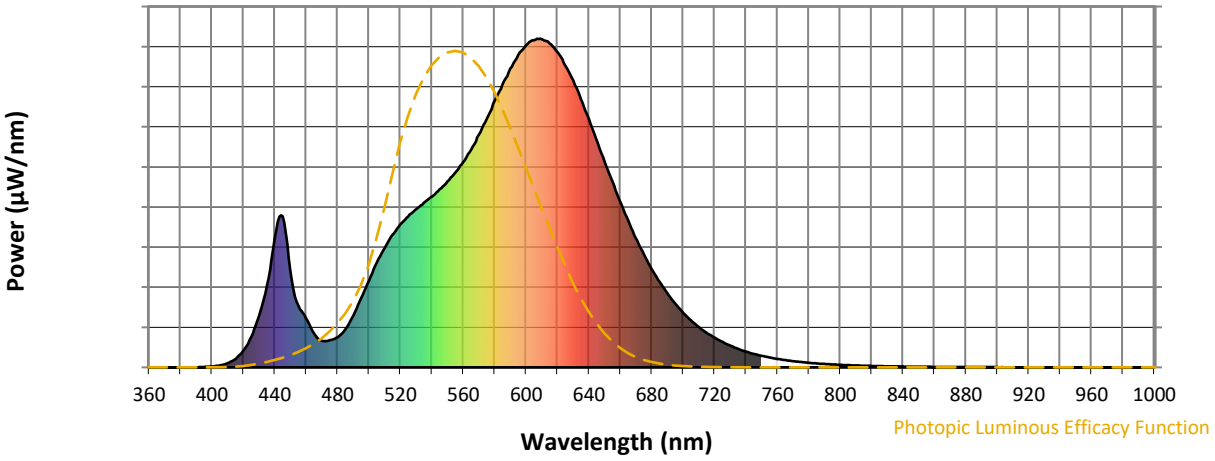


CCT = 2756K
CIE x = 0.4563
CIE y = 0.4112
Duv = 0.0006

Point lies inside the ANSI 2700K 4-step quadrangle

REPORT NUMBER: SP1-2407-184-8

Photopic Flux vs. Wavelength

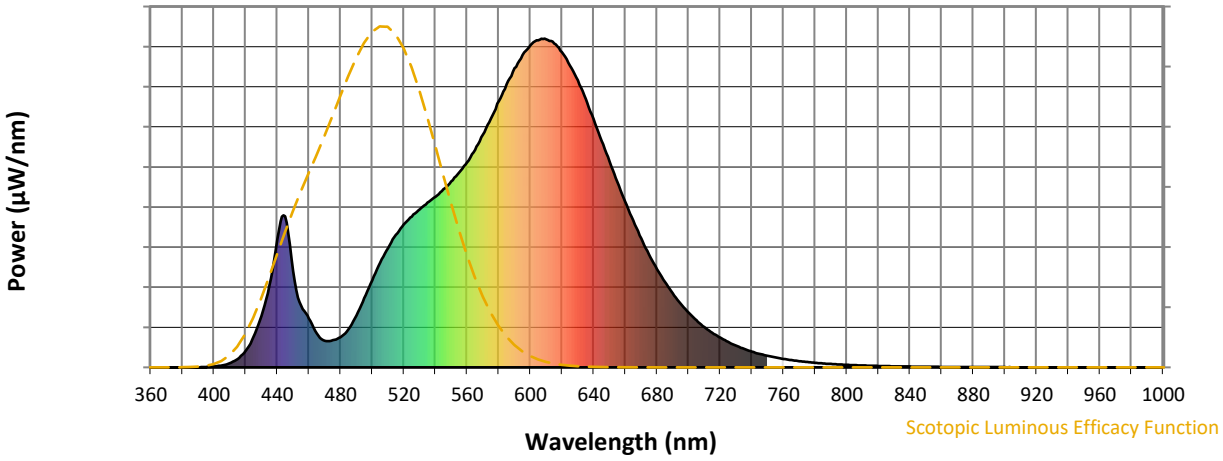


Photopic Lumens: NR

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

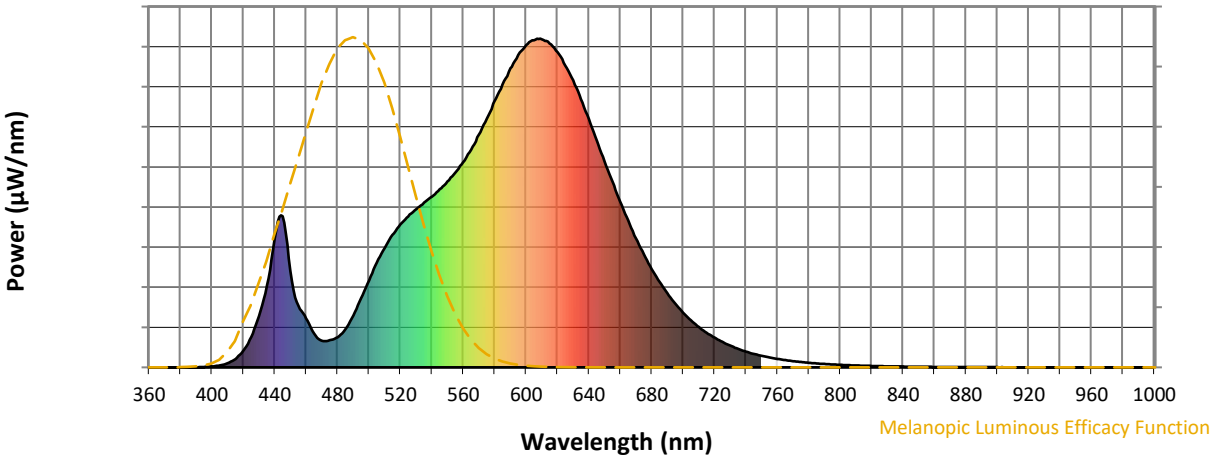


Scotopic Lumens: NR **S/P: 1.2**

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			

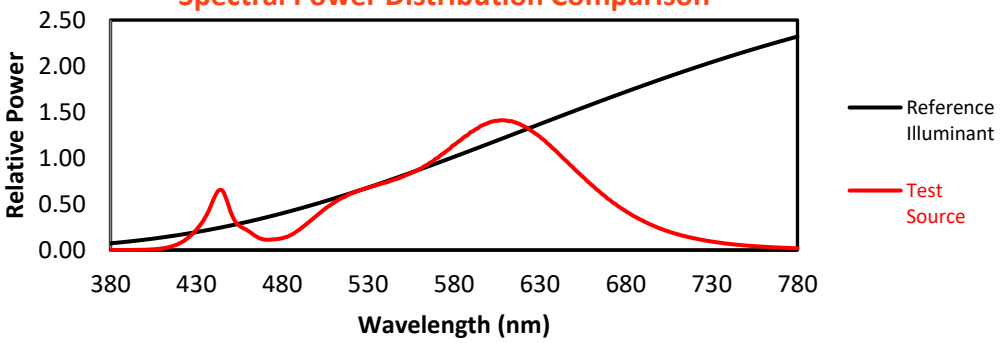
REPORT NUMBER: SP1-2407-184-8

TM-30-18

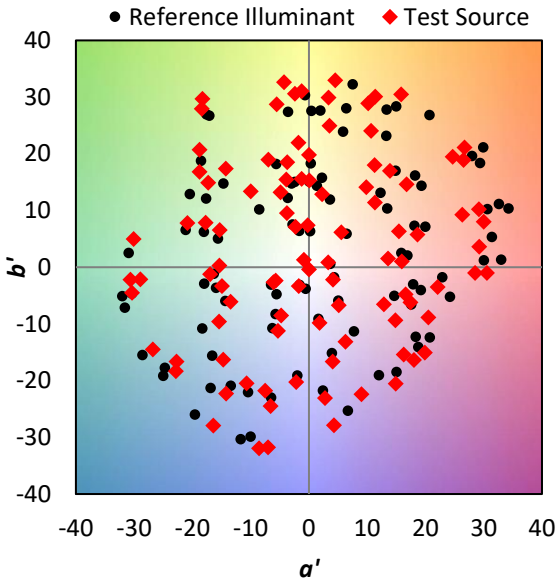
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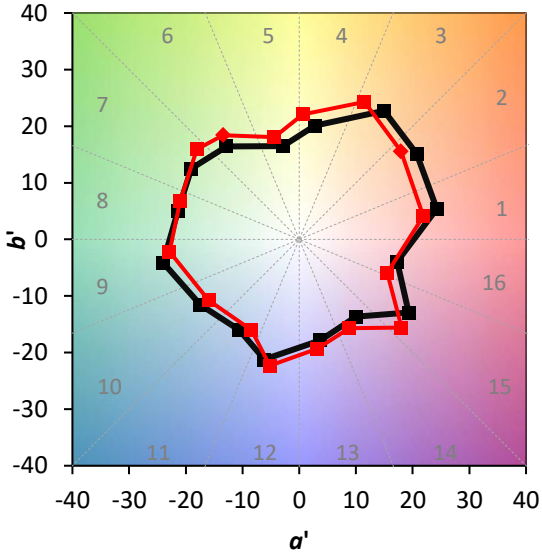
R_f = 82.2
R_g = 99.9
CIE R_a = 82.9
R_9 = 10.8

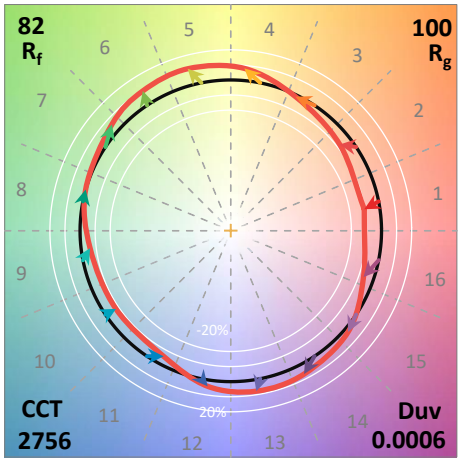
Spectral Power Distribution Comparison

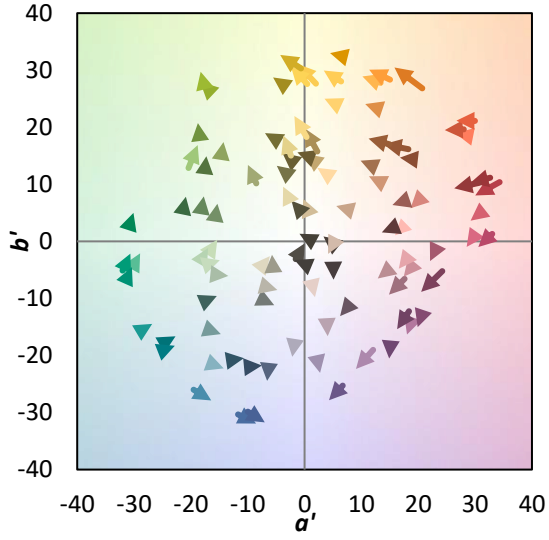


Color Vector Graphics







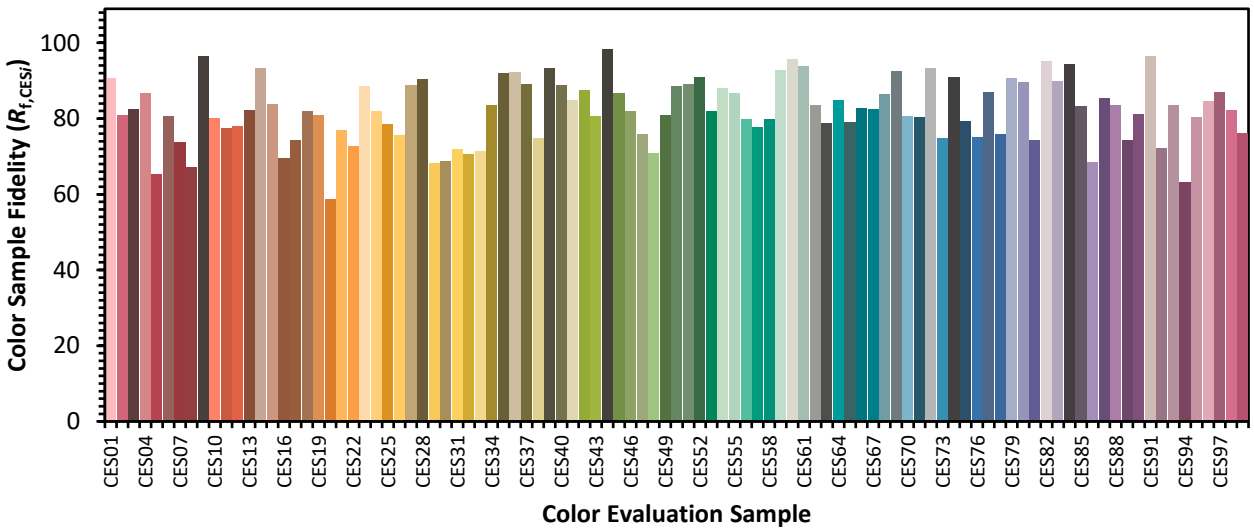


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Individual Sample Fidelity Index ($R_{f,i}$)

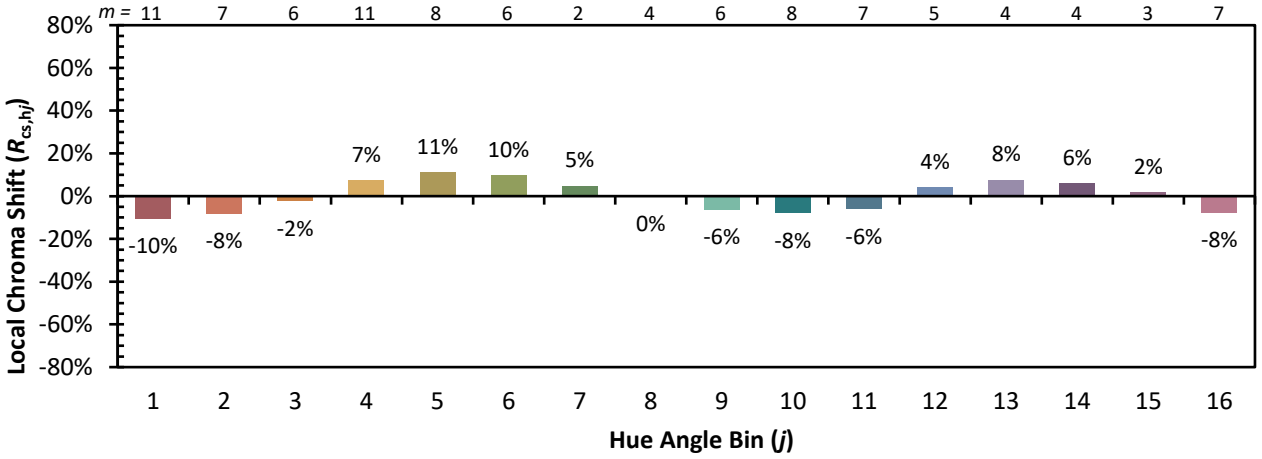
CES01 = 86	CES26 = 76	CES51 = 89	CES76 = 75
CES02 = 63	CES27 = 89	CES52 = 91	CES77 = 87
CES03 = 31	CES28 = 90	CES53 = 82	CES78 = 76
CES04 = 71	CES29 = 68	CES54 = 88	CES79 = 91
CES05 = 50	CES30 = 69	CES55 = 87	CES80 = 90
CES06 = 52	CES31 = 72	CES56 = 80	CES81 = 74
CES07 = 43	CES32 = 71	CES57 = 78	CES82 = 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	

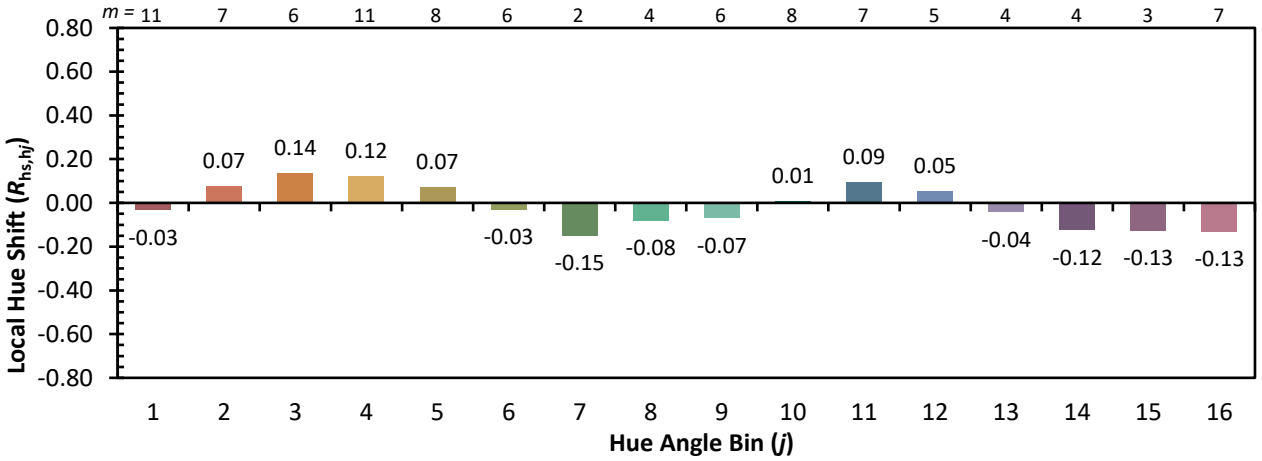


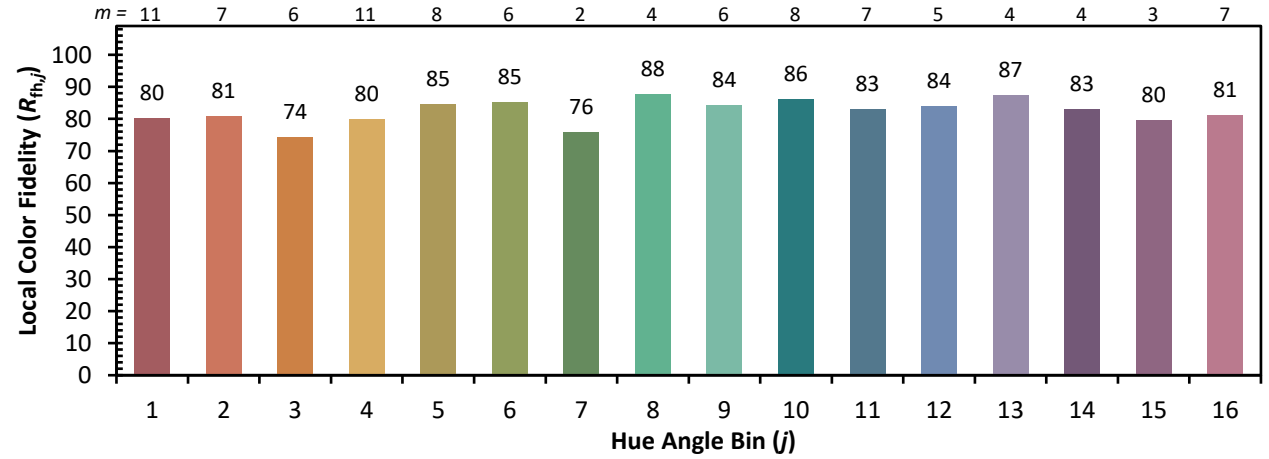
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Color Rendition by Hue-Angle Bin



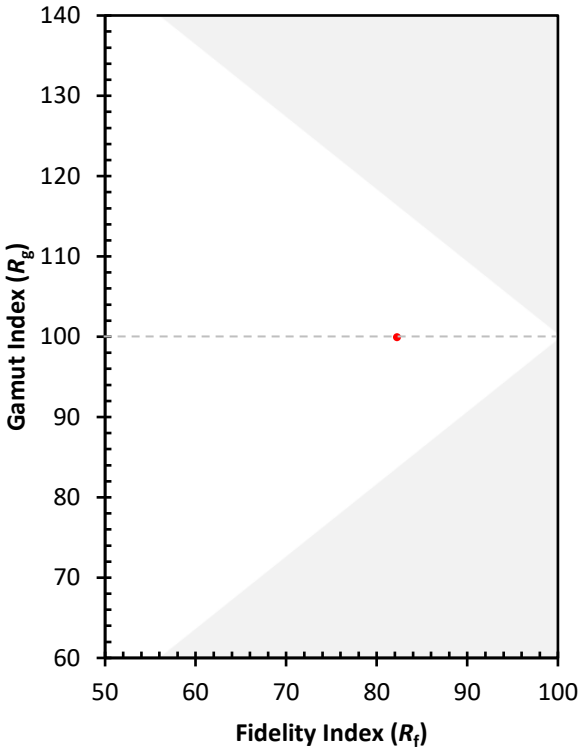


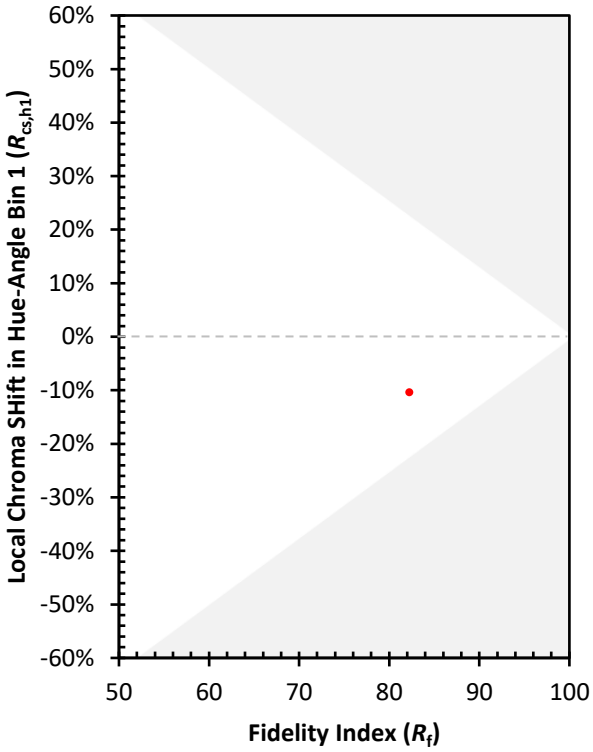


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Measure Comparisons





(END OF REPORT)