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: P1501509

Luminaire Tested: GSS-SB5A-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:	P1501509
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
Description:	GALLEON II SLIM SITE HIGH DENSITY LED ARRAYS 5SQUARE 143W 80CRI 2700K FIXTURE w/ TYPE II LOW GLARE DISTRIBUTION FIXTURE
Light Source:	(130) 2700K CCT, 80 CRI LEDS
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	18855.7 lumens
Efficiency:	N/A
Efficacy:	131.9 lumens/watt
Luminous Opening:	Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification:	Type II - Short
BUG Rating:	B3 - U0 - G3

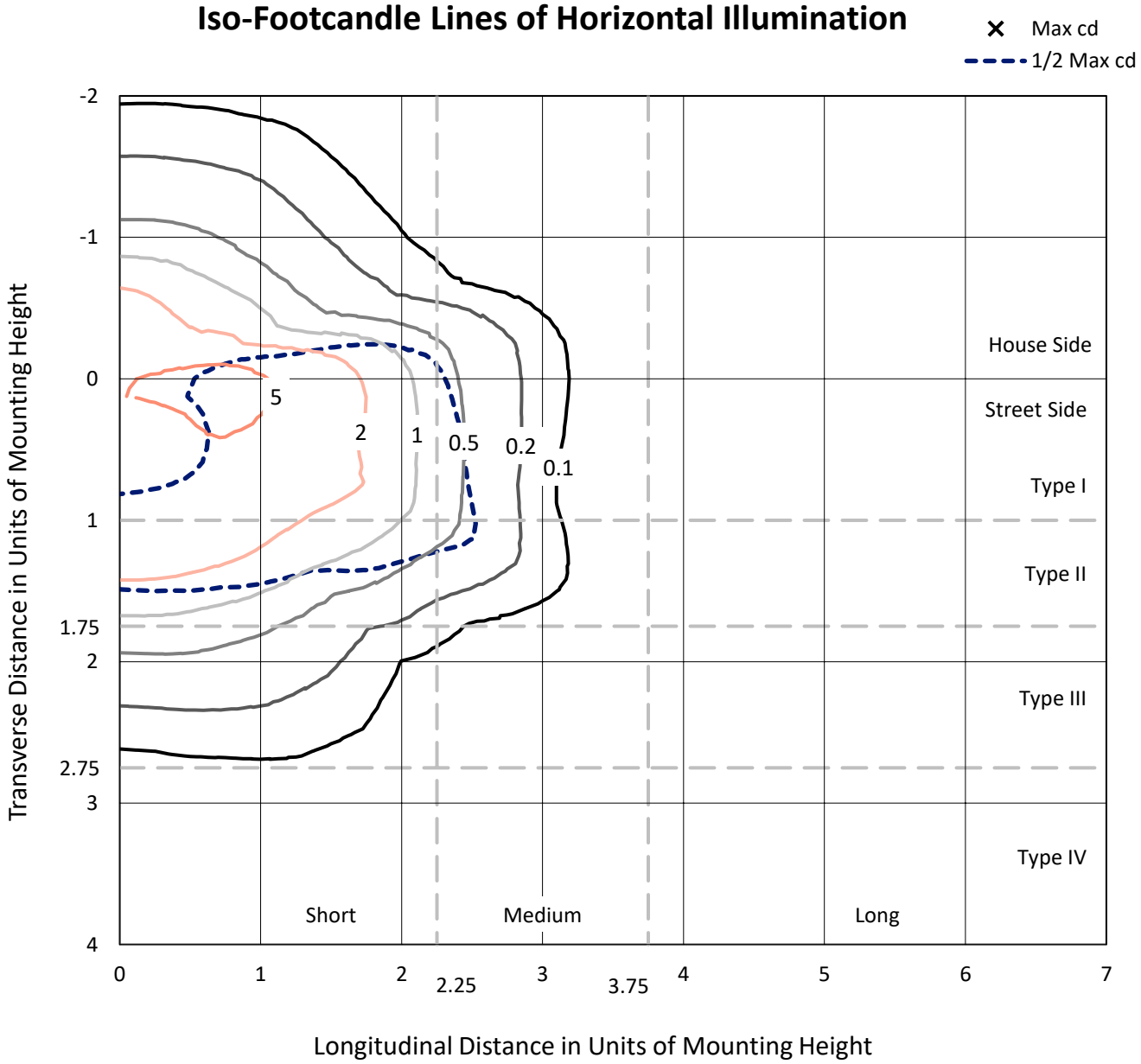
Input Watts (W):	143
Input Voltage (V):	120
Input Current (Ain):	NR
Voltage Rise (V):	NR
Power Factor:	0.98
Total Harmonic Distortion (THDi):	10.5%
Frequency (hertz):	60
Stabilization Time:	NR
Operation Time:	NR
Ambient Temperature (°C):	NR
Test Distance:	28.75 FT

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Iso-Footcandle Lines of Horizontal Illumination



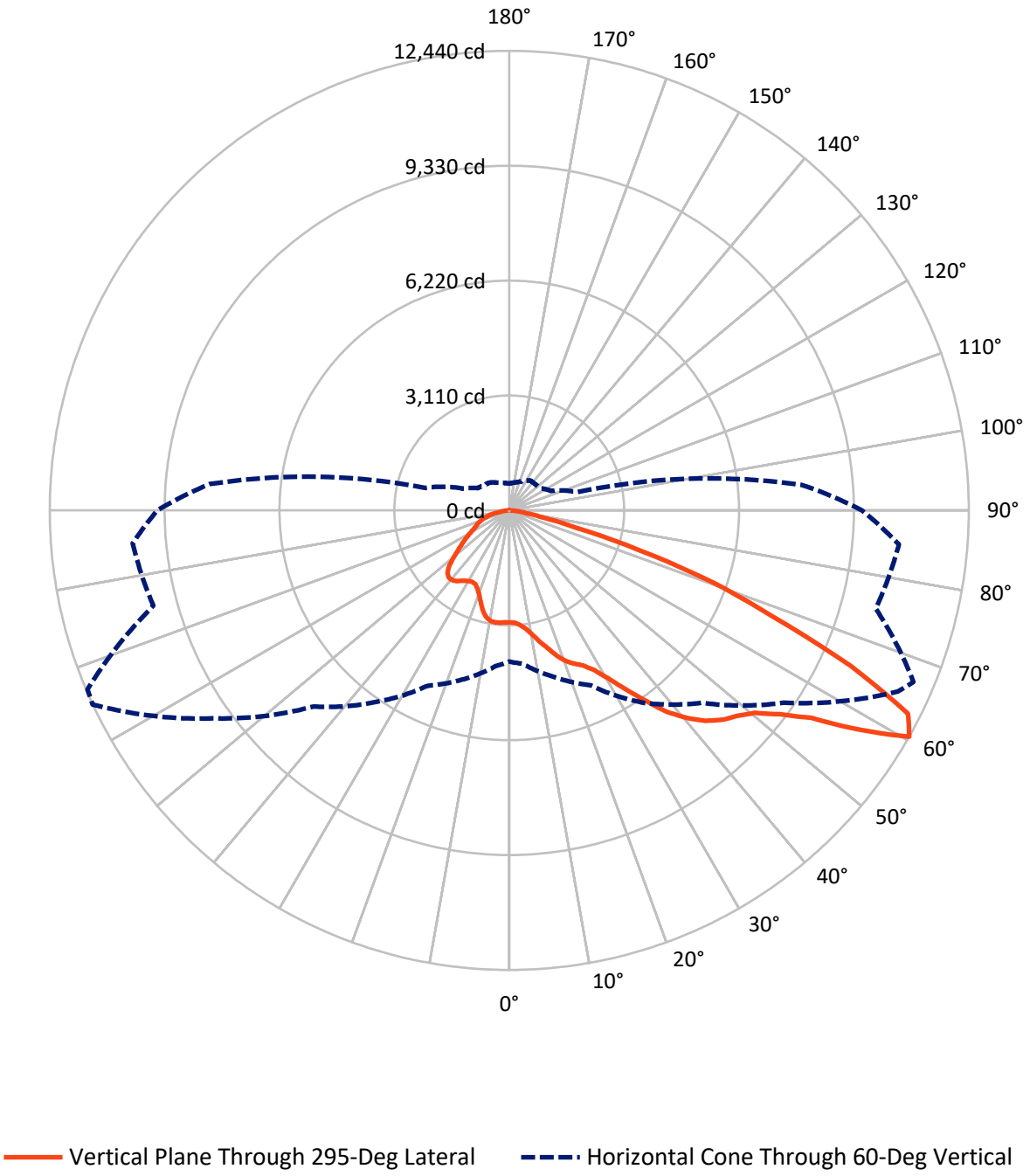
Based on 25 foot mounting height. Maximum calculated value = 7.3 fc
Type II - Short - N/A

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Luminous Intensity Polar Plot



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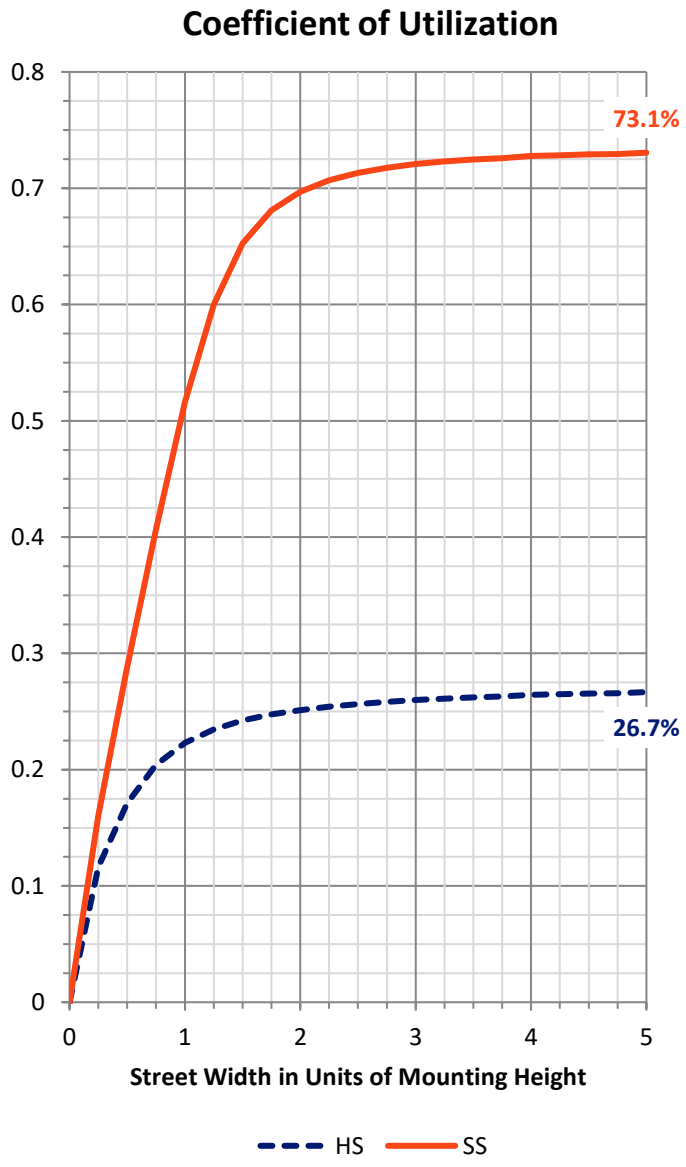
REPORT NUMBER: P1501509
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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	5070.5	0.0	5070.5
	% Fixture	26.9	0.0	26.9
Street Side	Lumens	13785.2	0.0	13785.2
	% Fixture	73.1	0.0	73.1
Total	Lumens	18855.7	0.0	18855.7
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	285.3	1.5
10°-20°	820.0	4.3
20°-30°	1553.2	8.2
30°-40°	2738.2	14.5
40°-50°	4049.5	21.5
50°-60°	4755.3	25.2
60°-70°	3445.4	18.3
70°-80°	1062.5	5.6
80°-90°	146.3	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°	18855.7	100.0
0°-180°	18855.7	100.0



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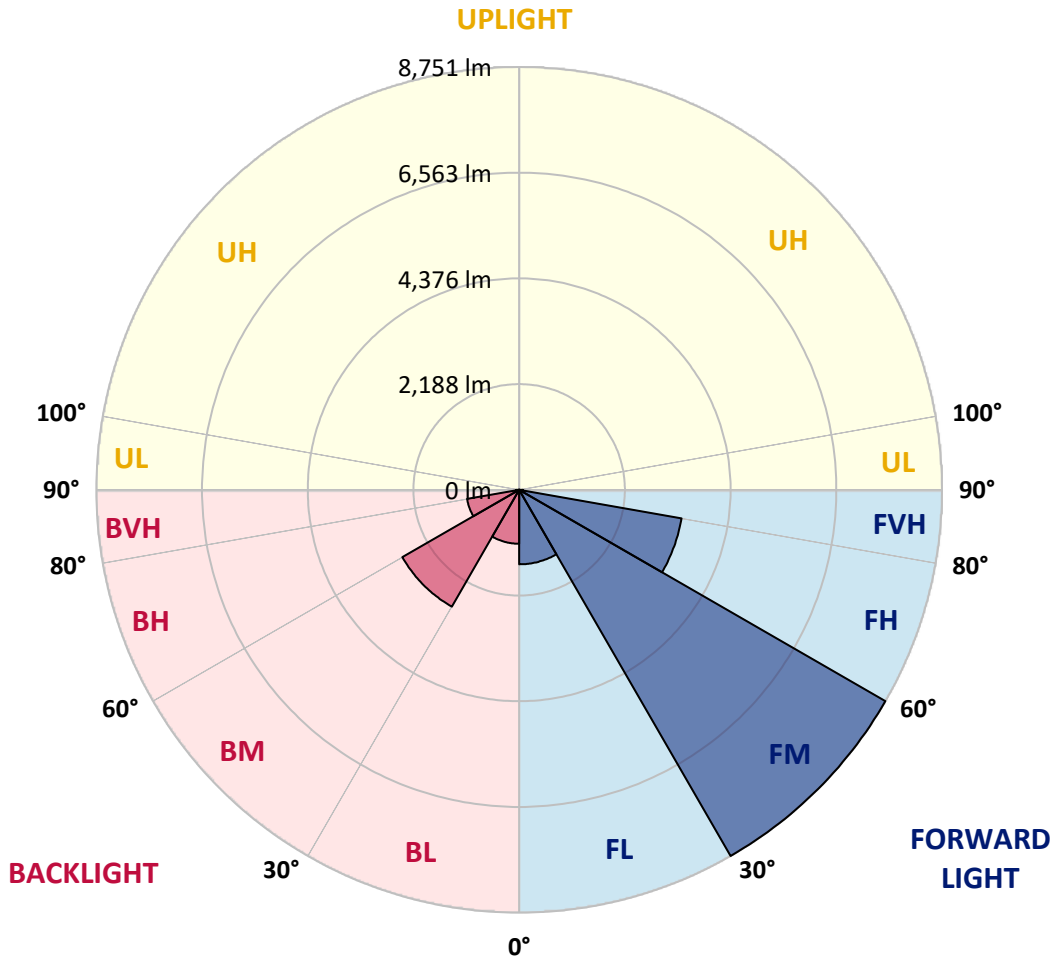
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	1541.8	8.2			
FM	(30°-60°)	8751.1	46.4			
FH	(60°-80°)	3413.5	18.1			G2/5000
FVH	(80°-90°)	78.9	0.4			G1/100
BL	(0°-30°)	1116.7	5.9	B3/2500		
BM	(30°-60°)	2792.0	14.8	B3/5000		
BH	(60°-80°)	1094.5	5.8	B3/2500		G3/2500
BVH	(80°-90°)	67.4	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°	3033.8	3033.8	3033.8	3033.8	3033.8	3033.8	3033.8	3033.8	3033.8	3033.8	3033.8
2.5°	3094.0	3102.6	3089.7	3098.3	3098.3	3085.4	3081.1	3063.9	3072.5	3068.2	3063.9
5°	3167.0	3171.3	3162.7	3175.6	3175.6	3179.9	3175.6	3154.1	3154.1	3154.1	3145.5
7.5°	3145.5	3145.5	3149.8	3192.8	3235.8	3291.6	3291.6	3283.0	3291.6	3287.3	3248.7
10°	2965.0	2982.2	3020.9	3128.3	3231.5	3351.8	3433.4	3459.2	3459.2	3463.5	3399.1
12.5°	2642.8	2655.6	2745.9	2909.2	3124.0	3343.2	3540.9	3669.8	3682.7	3704.2	3618.2
15°	2354.8	2363.4	2427.9	2595.5	2840.4	3227.2	3601.0	3867.4	3910.4	4000.7	3871.7
17.5°	2380.6	2376.3	2393.5	2458.0	2634.2	3038.1	3588.1	4099.5	4176.8	4335.8	4224.1
20°	2535.3	2535.3	2548.2	2561.1	2625.6	2900.6	3493.6	4288.6	4439.0	4748.4	4619.5
22.5°	2780.3	2780.3	2776.0	2797.5	2797.5	2960.7	3497.9	4430.4	4653.8	5208.2	5083.5
25°	3119.7	3102.6	3102.6	3111.1	3072.5	3188.5	3605.3	4576.5	4868.7	5753.9	5646.5
27.5°	3502.2	3515.1	3506.5	3476.4	3424.8	3515.1	3863.2	4804.2	5109.3	6329.7	6286.8
30°	3919.0	3923.3	3931.9	3914.7	3871.7	3936.2	4267.1	5148.0	5427.3	6931.3	7025.9
32.5°	4327.2	4387.4	4365.9	4322.9	4340.1	4456.2	4765.6	5612.1	5900.0	7490.0	7825.1
35°	4847.2	4868.7	4954.6	4795.6	4799.9	4997.6	5401.5	6222.3	6501.6	8070.1	8624.4
37.5°	5603.5	5642.2	5603.5	5354.3	5315.6	5590.6	6020.3	6823.9	7025.9	8508.4	9367.8
40°	6346.9	6394.2	6458.6	6166.4	5921.5	6149.2	6604.7	7283.7	7494.3	8749.0	9862.0
42.5°	6961.4	7038.8	6970.0	6884.1	6660.6	6703.6	7013.0	7640.4	7850.9	9054.1	10360.5
45°	7481.4	7494.3	7524.3	7464.2	7352.4	7313.8	7361.0	7954.1	8186.1	9191.6	10605.4
47.5°	7696.2	7752.1	7777.9	7881.0	7997.0	7919.7	7657.5	8100.2	8310.7	9183.0	10682.8
50°	7580.2	7636.1	7773.6	8018.5	8297.8	8435.3	8005.6	8302.1	8538.5	9337.7	10841.7
52.5°	7275.1	7335.3	7558.7	7838.0	8306.4	8620.1	8495.5	8723.2	8951.0	9612.8	11108.2
55°	6536.0	6626.2	6939.9	7404.0	8048.6	8521.3	9011.2	9342.0	9591.3	9943.6	11383.2
57.5°	5461.7	5556.2	5908.6	6604.7	7571.6	8113.0	9161.6	10502.3	10614.0	10339.0	11409.0
60°	*4090.9*	*4168.3*	*4666.7*	*5225.4*	*6359.8*	*7365.3*	*9075.6*	*11602.3*	*11886.0*	*10270.2*	*10588.2*
62.5°	3240.1	3334.6	3777.2	4035.0	4847.2	6084.8	8774.8	11907.4	12152.4	9703.0	9445.2
65°	2531.0	2595.5	3008.0	3377.6	3575.2	4155.4	7520.0	10416.3	10635.5	8779.1	7795.1
67.5°	1671.6	1770.4	2260.3	2767.4	2870.5	2642.8	5173.8	8014.2	8117.3	6978.6	5861.3
70°	1198.9	1246.2	1611.4	2152.9	2307.6	1770.4	2818.9	6067.6	6097.7	4683.9	3949.1
72.5°	816.5	825.1	1095.8	1650.1	1839.2	1284.9	1551.3	3996.4	3893.2	2311.9	2260.3
75°	554.3	562.9	700.4	1100.1	1302.0	893.8	1009.8	2178.7	2092.7	1276.3	1370.8
77.5°	373.9	382.4	481.3	739.1	868.0	618.8	739.1	1151.6	1130.2	846.5	734.8
80°	283.6	296.5	356.7	472.7	605.9	361.0	421.1	545.7	554.3	451.2	373.9
82.5°	159.0	176.2	214.9	240.6	391.0	202.0	202.0	326.6	313.7	279.3	202.0
85°	68.8	73.1	85.9	90.2	159.0	85.9	73.1	141.8	146.1	137.5	64.5
87.5°	12.9	12.9	12.9	12.9	12.9	12.9	12.9	17.2	17.2	17.2	17.2
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°	3033.8	3033.8	3033.8	3033.8	3033.8	3033.8	3033.8	3033.8	3033.8	3033.8	3033.8
2.5°	3042.4	3068.2	3042.4	3029.5	3029.5	3008.0	2999.4	2999.4	2969.3	2982.2	2973.6
5°	3111.1	3119.7	3089.7	3051.0	2999.4	2956.4	2896.3	2818.9	2771.7	2767.4	2771.7
7.5°	3218.6	3222.9	3141.2	3055.3	2926.4	2771.7	2586.9	2436.5	2303.3	2281.8	2307.6
10°	3369.0	3360.4	3240.1	3038.1	2767.4	2440.8	2157.2	2019.7	1942.3	1938.0	1933.7
12.5°	3570.9	3515.1	3330.3	2965.0	2492.4	2114.2	1968.1	1959.5	1981.0	1998.2	2002.5
15°	3803.0	3729.9	3403.4	2823.2	2213.0	1993.9	2002.5	2075.5	2101.3	2118.5	2118.5
17.5°	4090.9	3996.4	3485.0	2621.3	2071.2	2019.7	2079.8	2148.6	2191.6	2208.7	2204.4
20°	4473.3	4275.7	3549.5	2427.9	2032.6	2062.6	2114.2	2183.0	2225.9	2247.4	2247.4
22.5°	4855.8	4610.9	3562.3	2294.7	2032.6	2066.9	2114.2	2183.0	2230.2	2251.7	2247.4
25°	5375.8	5040.6	3566.6	2200.1	2036.9	2045.5	2088.4	2148.6	2217.3	2238.8	2247.4
27.5°	5930.1	5513.3	3588.1	2178.7	2019.7	2015.4	2045.5	2101.3	2170.1	2225.9	2230.2
30°	6617.6	6046.1	3596.7	2200.1	2024.0	1968.1	1989.6	2045.5	2118.5	2174.4	2191.6
32.5°	7292.3	6540.3	3579.5	2247.4	2032.6	1938.0	1942.3	1976.7	2054.0	2092.7	2122.8
35°	8005.6	7064.5	3549.5	2311.9	2036.9	1925.1	1886.5	1903.6	1955.2	1959.5	1972.4
37.5°	8564.3	7455.6	3459.2	2397.8	2045.5	1877.9	1800.5	1787.6	1766.1	1723.2	1731.8
40°	9024.0	7717.7	3308.8	2440.8	2024.0	1822.0	1693.1	1632.9	1551.3	1486.8	1499.7
42.5°	9354.9	7893.9	3128.3	2449.4	1989.6	1727.5	1568.5	1465.3	1375.1	1306.3	1310.6
45°	9501.0	7876.7	2935.0	2384.9	1907.9	1611.4	1452.4	1353.6	1254.8	1181.7	1173.1
47.5°	9505.3	7709.1	2668.5	2230.2	1770.4	1478.2	1345.0	1237.6	1155.9	1104.4	1100.1
50°	9539.7	7614.6	2419.3	2006.8	1590.0	1336.4	1250.5	1143.0	1095.8	1022.7	1001.2
52.5°	9754.6	7769.3	2247.4	1761.8	1422.4	1233.3	1168.8	1074.3	996.9	949.7	945.4
55°	10102.6	8035.7	2152.9	1577.1	1263.4	1134.5	1091.5	1009.8	941.1	893.8	880.9
57.5°	10145.6	8173.2	2041.2	1405.2	1134.5	1057.1	1039.9	949.7	850.8	816.5	803.6
60°	*9544.0*	*7941.2*	*1903.6*	*1246.2*	*1039.9*	*996.9*	*988.3*	*868.0*	*786.4*	*743.4*	*726.2*
62.5°	8723.2	7361.0	1693.1	1100.1	966.9	936.8	902.4	807.9	704.7	657.5	644.6
65°	7129.0	6187.9	1439.6	1001.2	893.8	859.4	850.8	721.9	653.2	627.4	623.1
67.5°	5401.5	4971.8	1267.7	928.2	816.5	803.6	773.5	730.5	700.4	670.4	661.8
70°	3820.2	3588.1	1078.6	833.7	739.1	717.6	842.2	795.0	687.5	648.9	644.6
72.5°	2316.2	2251.7	932.5	747.7	636.0	670.4	777.8	717.6	618.8	571.5	554.3
75°	1461.0	1336.4	782.1	636.0	507.1	545.7	679.0	640.3	532.8	485.6	472.7
77.5°	795.0	739.1	588.7	520.0	399.6	442.6	593.0	528.6	425.4	464.1	412.5
80°	348.1	386.7	391.0	300.8	266.4	326.6	425.4	412.5	326.6	330.9	275.0
82.5°	167.6	219.2	253.5	206.3	150.4	193.4	283.6	236.3	219.2	206.3	197.7
85°	51.6	81.6	111.7	98.8	68.8	81.6	133.2	128.9	154.7	133.2	124.6
87.5°	17.2	17.2	12.9	12.9	12.9	17.2	21.5	12.9	4.3	4.3	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°	3033.8	3033.8	3033.8	3033.8	3033.8	3033.8	3033.8	3033.8	3033.8	3033.8	3033.8
2.5°	2969.3	2973.6	2973.6	2977.9	2977.9	2990.8	3008.0	3025.2	3012.3	3029.5	3033.8
5°	2763.1	2784.6	2801.8	2866.2	2917.8	2960.7	3008.0	3051.0	3063.9	3072.5	3094.0
7.5°	2277.5	2337.7	2449.4	2595.5	2758.8	2917.8	3025.2	3136.9	3154.1	3175.6	3205.7
10°	1938.0	1963.8	2041.2	2191.6	2483.8	2797.5	3059.6	3235.8	3308.8	3351.8	3381.9
12.5°	1993.9	1976.7	1963.8	1985.3	2174.4	2578.3	3038.1	3377.6	3515.1	3562.3	3601.0
15°	2127.1	2109.9	2062.6	2002.5	2024.0	2346.3	2965.0	3510.8	3729.9	3807.3	3888.9
17.5°	2204.4	2187.3	2148.6	2084.1	2028.3	2152.9	2827.5	3631.1	4069.4	4164.0	4280.0
20°	2247.4	2230.2	2191.6	2127.1	2062.6	2079.8	2651.4	3781.5	4456.2	4606.6	4778.4
22.5°	2256.0	2234.5	2191.6	2127.1	2088.4	2075.5	2483.8	3871.7	4873.0	5105.0	5302.7
25°	2251.7	2213.0	2157.2	2109.9	2088.4	2084.1	2367.7	3923.3	5324.2	5693.7	5917.2
27.5°	2221.6	2174.4	2118.5	2084.1	2075.5	2101.3	2316.2	3983.5	5852.7	6325.4	6682.1
30°	2187.3	2118.5	2049.7	2036.9	2058.3	2140.0	2359.1	4005.0	6407.1	7013.0	7378.2
32.5°	2097.0	2045.5	1976.7	1972.4	2024.0	2170.1	2458.0	3974.9	6897.0	7700.5	8160.3
35°	1968.1	1938.0	1899.3	1912.2	1993.9	2195.9	2526.7	3880.3	7343.9	8340.8	8877.9
37.5°	1740.4	1761.8	1783.3	1813.4	1916.5	2191.6	2556.8	3729.9	7713.4	8852.2	9539.7
40°	1486.8	1559.9	1628.6	1706.0	1843.5	2157.2	2565.4	3545.2	7928.3	9238.9	10128.4
42.5°	1327.8	1396.6	1482.5	1594.2	1744.6	2079.8	2556.8	3338.9	7997.0	9505.3	10502.3
45°	1181.7	1263.4	1370.8	1486.8	1658.7	1968.1	2479.5	3115.4	8031.4	9629.9	10661.3
47.5°	1104.4	1151.6	1250.5	1366.5	1547.0	1830.6	2329.1	2952.2	7979.8	9655.7	10854.6
50°	1014.1	1078.6	1143.0	1254.8	1431.0	1658.7	2148.6	2857.6	8065.8	9909.3	11159.7
52.5°	945.4	979.8	1048.5	1151.6	1280.6	1499.7	1976.7	2780.3	8302.1	10167.1	11477.7
55°	893.8	932.5	975.5	1061.4	1160.2	1340.7	1800.5	2664.2	8577.1	10442.1	11795.7
57.5°	812.2	837.9	898.1	988.3	1052.8	1186.0	1594.2	2526.7	8555.7	10227.3	11245.7
60°	*739.1*	*764.9*	*829.4*	*919.6*	*958.3*	*1048.5*	*1392.3*	*2350.5*	*8143.1*	*9526.8*	*10231.6*
62.5°	657.5	687.5	764.9	829.4	863.7	932.5	1181.7	2028.3	7283.7	8474.0	9045.5
65°	623.1	640.3	691.8	769.2	764.9	829.4	996.9	1594.2	5861.3	6475.8	6995.8
67.5°	661.8	687.5	679.0	700.4	687.5	721.9	893.8	1280.6	4606.6	4877.3	5178.1
70°	653.2	713.3	743.4	700.4	601.6	640.3	773.5	1022.7	3295.9	3270.1	3257.3
72.5°	571.5	631.7	717.6	760.6	588.7	532.8	670.4	885.2	2114.2	2105.6	1903.6
75°	485.6	528.6	631.7	687.5	507.1	429.7	575.8	752.0	1263.4	1280.6	1143.0
77.5°	446.9	425.4	528.6	605.9	412.5	330.9	464.1	567.2	696.1	704.7	653.2
80°	322.3	309.4	395.3	442.6	313.7	236.3	262.1	352.4	373.9	335.2	348.1
82.5°	206.3	210.6	236.3	283.6	193.4	128.9	180.5	236.3	202.0	163.3	193.4
85°	133.2	150.4	124.6	146.1	60.2	60.2	77.3	103.1	68.8	47.3	51.6
87.5°	0.0	0.0	8.6	17.2	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: P1501509
CATALOG NUMBER: GSS-SB5A-827-U-T2LG

CANDELA DISTRIBUTION (continued):

	285°	293°	295°	305°	315°	325°	335°	345°	355°	360°
0°	3033.8	3033.8	*3033.8*	3033.8	3033.8	3033.8	3033.8	3033.8	3033.8	3033.8
2.5°	3046.7	3042.4	*3042.4*	3051.0	3072.5	3081.1	3094.0	3089.7	3102.6	3094.0
5°	3106.9	3111.1	*3124.0*	3128.3	3141.2	3158.4	3162.7	3158.4	3167.0	3167.0
7.5°	3227.2	3244.4	*3235.8*	3257.3	3240.1	3218.6	3184.2	3158.4	3136.9	3145.5
10°	3429.1	3420.5	*3416.2*	3377.6	3300.2	3188.5	3098.3	2999.4	2982.2	2965.0
12.5°	3652.6	3644.0	*3644.0*	3510.8	3291.6	3059.6	2853.3	2698.6	2647.1	2642.8
15°	3966.3	3910.4	*3858.9*	3579.5	3141.2	2745.9	2505.2	2384.9	2354.8	2354.8
17.5°	4357.3	4211.2	*4125.3*	3528.0	2896.3	2539.6	2397.8	2367.7	2359.1	2380.6
20°	4842.9	4473.3	*4348.7*	3411.9	2806.0	2565.4	2496.7	2501.0	2505.2	2535.3
22.5°	5375.8	4714.0	*4507.7*	3411.9	2896.3	2728.7	2694.3	2741.6	2754.5	2780.3
25°	5968.8	4928.8	*4649.5*	3592.4	3162.7	3038.1	2995.1	3042.4	3076.8	3119.7
27.5°	6634.8	5152.3	*4894.5*	3919.0	3506.5	3429.1	3381.9	3403.4	3450.6	3502.2
30°	7232.1	5526.2	*5268.3*	4417.5	3974.9	3880.3	3798.7	3833.1	3884.6	3919.0
32.5°	7760.7	5981.7	*5762.5*	4941.7	4512.0	4348.7	4258.5	4249.9	4353.0	4327.2
35°	8246.3	6518.8	*6308.2*	5539.0	5057.8	4855.8	4735.5	4890.2	4821.4	4847.2
37.5°	8628.7	7077.4	*6909.8*	6110.6	5625.0	5350.0	5276.9	5466.0	5573.4	5603.5
40°	8942.4	7563.0	*7386.8*	6677.8	6144.9	5943.0	6059.0	6372.7	6359.8	6346.9
42.5°	9183.0	7979.8	*7786.5*	7107.5	6643.4	6682.1	6772.3	6982.9	7034.5	6961.4
45°	9290.5	8242.0	*8087.3*	7447.0	7210.6	7434.1	7472.8	7563.0	7528.6	7481.4
47.5°	9415.1	8474.0	*8310.7*	7756.4	7825.1	8044.3	7966.9	7893.9	7769.3	7696.2
50°	9625.6	8749.0	*8611.5*	8207.6	8456.8	8383.8	8083.0	7919.7	7666.1	7580.2
52.5°	10025.3	9269.0	*9165.9*	8920.9	8753.3	8332.2	7966.9	7674.7	7391.1	7275.1
55°	10382.0	9973.7	*9913.6*	9587.0	8663.1	8061.5	7571.6	7120.4	6634.8	6536.0
57.5°	10588.2	11142.5	*11211.3*	9870.6	8250.6	7447.0	6725.1	6003.1	5543.3	5461.7
60°	*9973.7*	*12405.9*	*12440.3*	*9814.7*	*7507.1*	*6338.3*	*5238.2*	*4726.9*	*4232.7*	*4090.9*
62.5°	9127.2	12143.8	*12113.7*	9479.5	5977.4	4623.7	3979.2	3738.5	3356.1	3240.1
65°	7846.6	10115.5	*10149.9*	8190.4	3974.9	3343.2	3343.2	3038.1	2612.7	2531.0
67.5°	6394.2	7799.4	*7722.0*	5311.3	2440.8	2677.1	2806.0	2367.7	1770.4	1671.6
70°	4155.4	5955.9	*5848.4*	3063.9	1534.1	2230.2	2208.7	1779.0	1267.7	1198.9
72.5°	1787.6	3442.0	*3661.2*	1564.2	1155.9	1796.2	1761.8	1246.2	846.5	816.5
75°	1078.6	1731.8	*1886.5*	996.9	842.2	1353.6	1220.4	790.7	575.8	554.3
77.5°	683.2	949.7	*941.1*	747.7	631.7	915.3	820.8	545.7	391.0	373.9
80°	395.3	468.4	*485.6*	468.4	425.4	653.2	524.3	395.3	305.1	283.6
82.5°	253.5	292.2	*296.5*	227.7	236.3	421.1	283.6	232.0	176.2	159.0
85°	111.7	124.6	*120.3*	77.3	77.3	171.9	98.8	94.5	68.8	68.8
87.5°	4.3	8.6	*4.3*	4.3	4.3	17.2	8.6	12.9	12.9	12.9
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

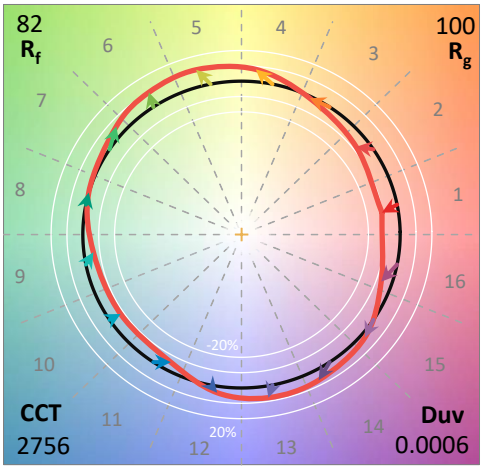
Test Information

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

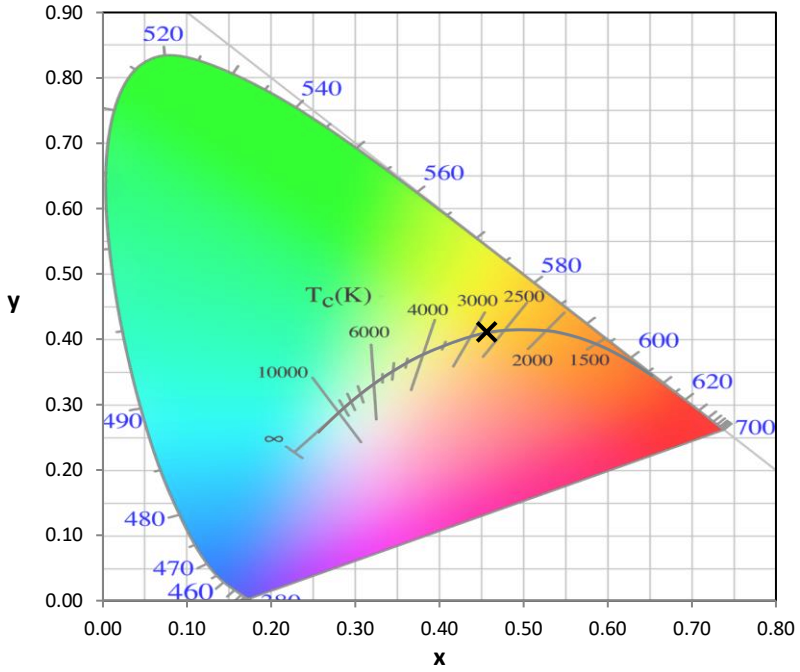
Stabilization Time:	29M
Operation Time:	1H 29M
Sphere Temperature (°C):	25.2

REPORT NUMBER: SP1-2407-184-8

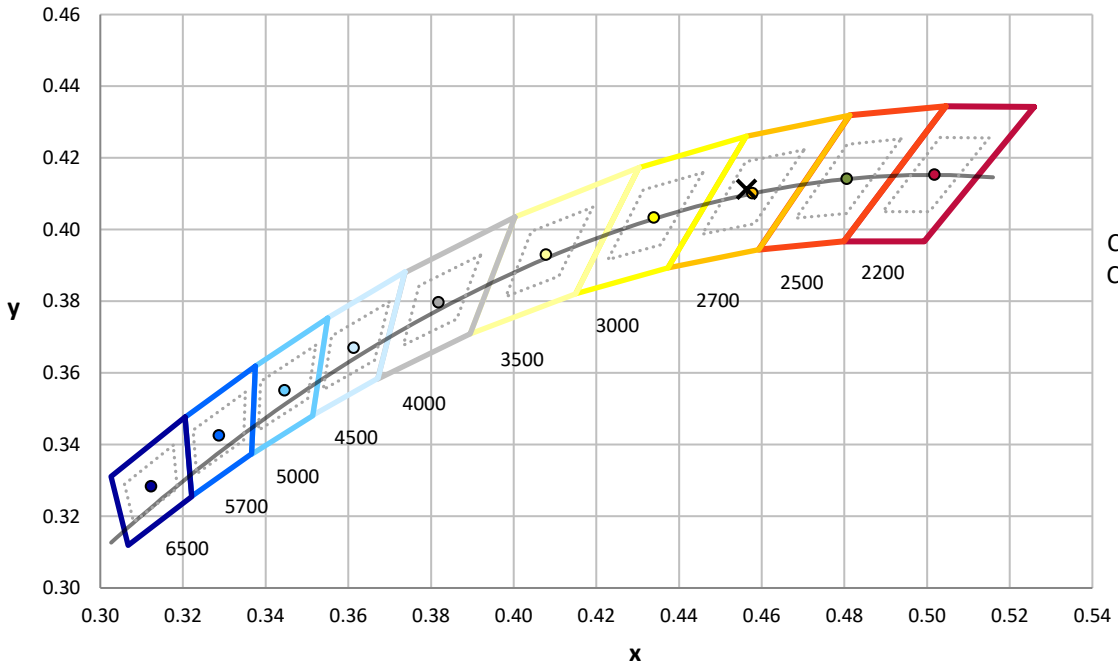
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

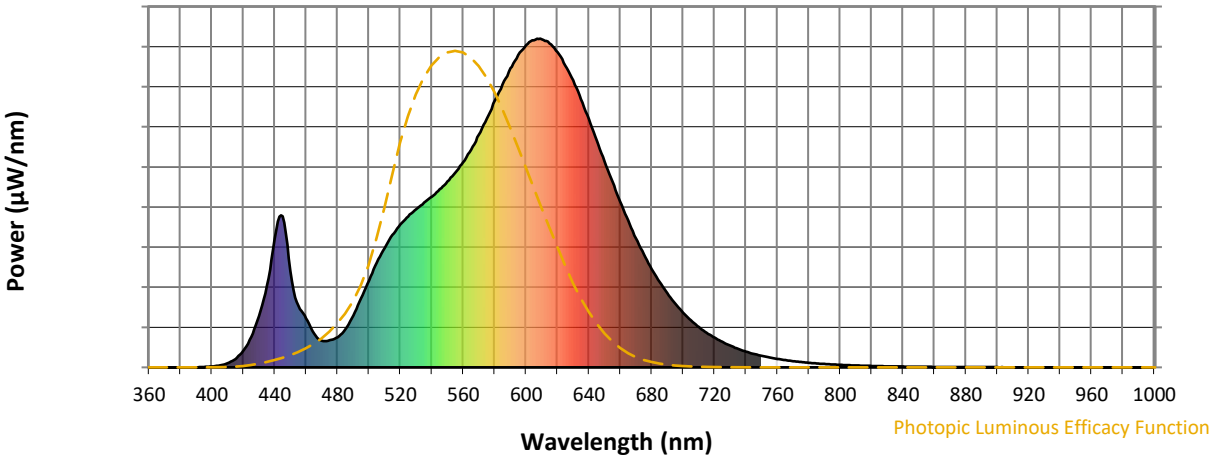


CCT = 2756K
CIE x = 0.4563
CIE y = 0.4112
Duv = 0.0006

Point lies inside the ANSI 2700K 4-step quadrangle

REPORT NUMBER: SP1-2407-184-8

Photopic Flux vs. Wavelength

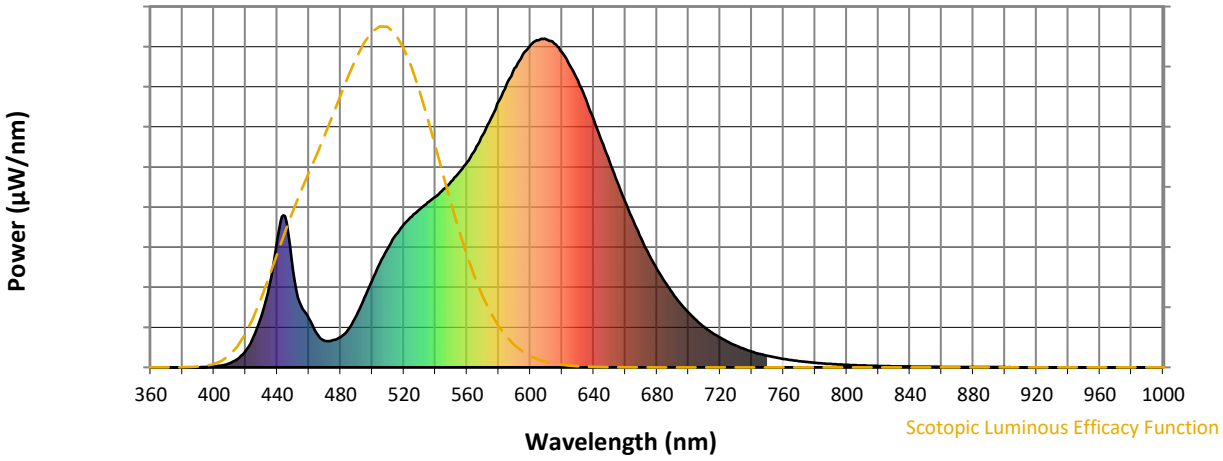


Photopic Lumens: NR

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

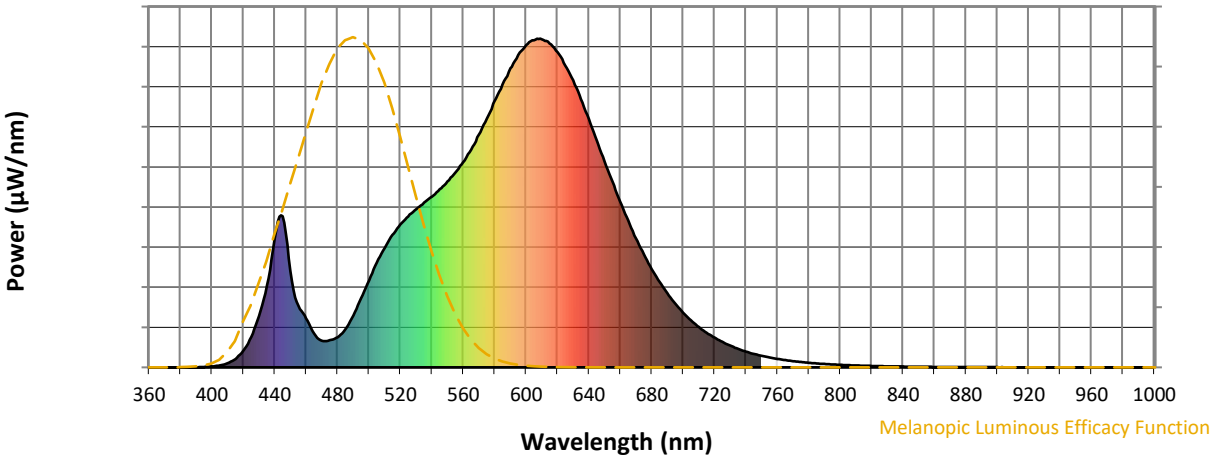


Scotopic Lumens: NR **S/P: 1.2**

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			

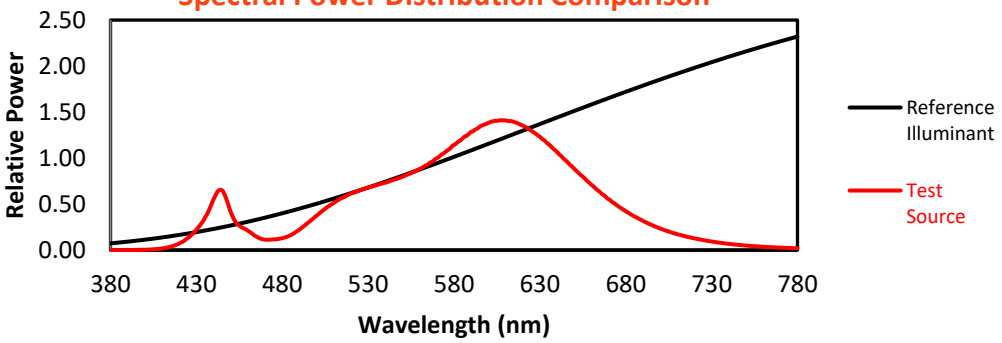
REPORT NUMBER: SP1-2407-184-8

TM-30-18

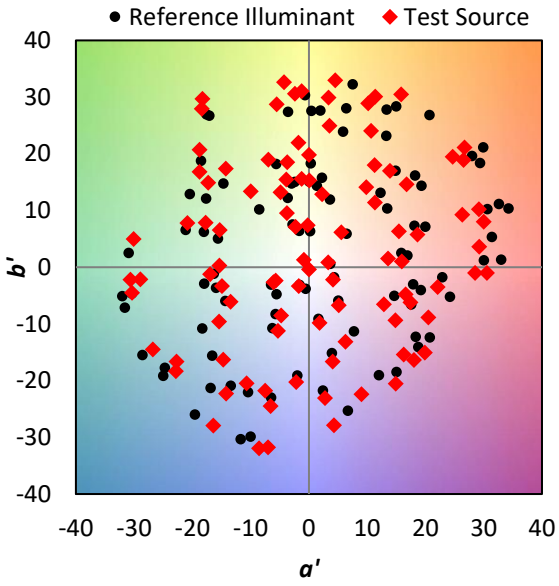
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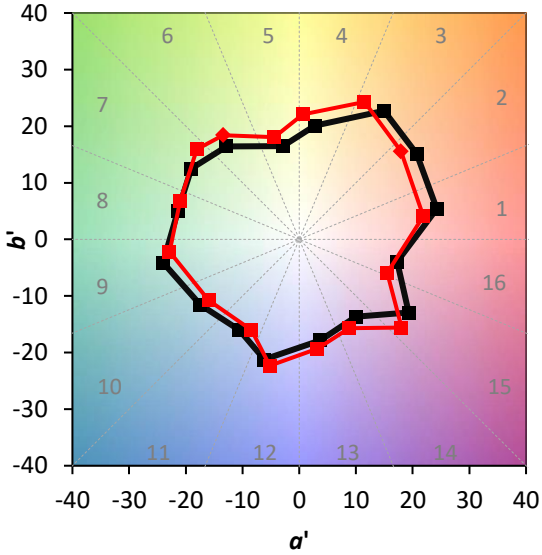
R_f = 82.2
R_g = 99.9
CIE R_a = 82.9
R_9 = 10.8

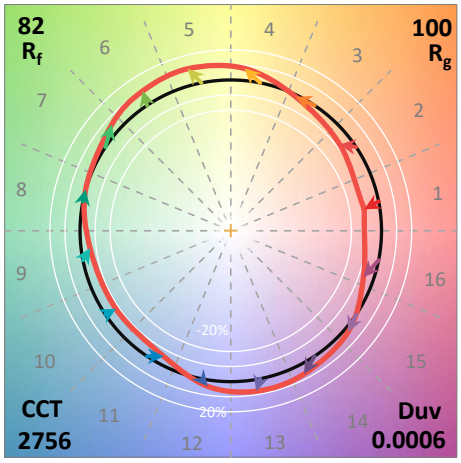
Spectral Power Distribution Comparison

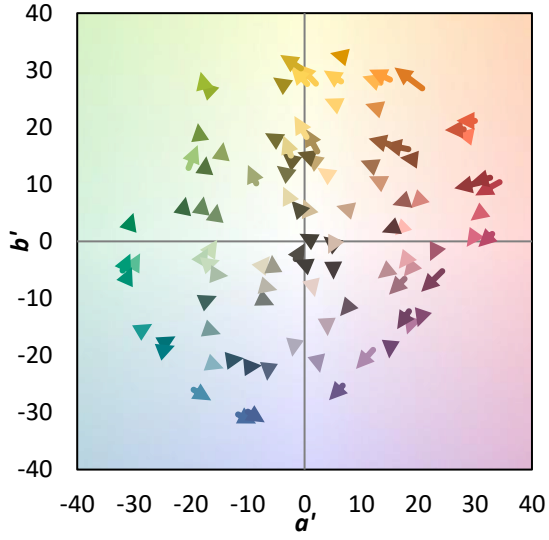


Color Vector Graphics







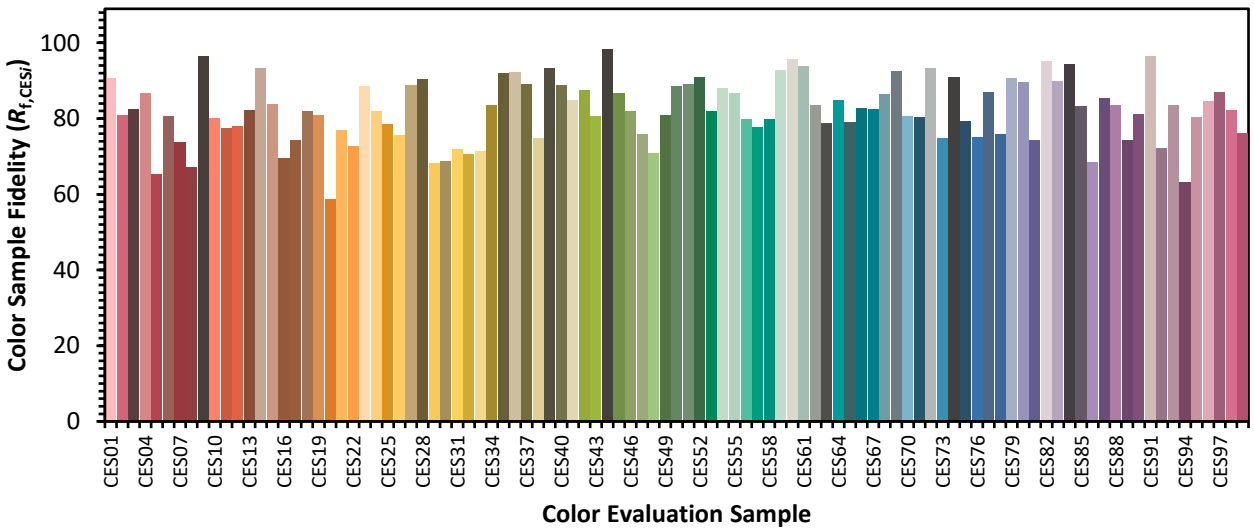


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Individual Sample Fidelity Index ($R_{f,i}$)

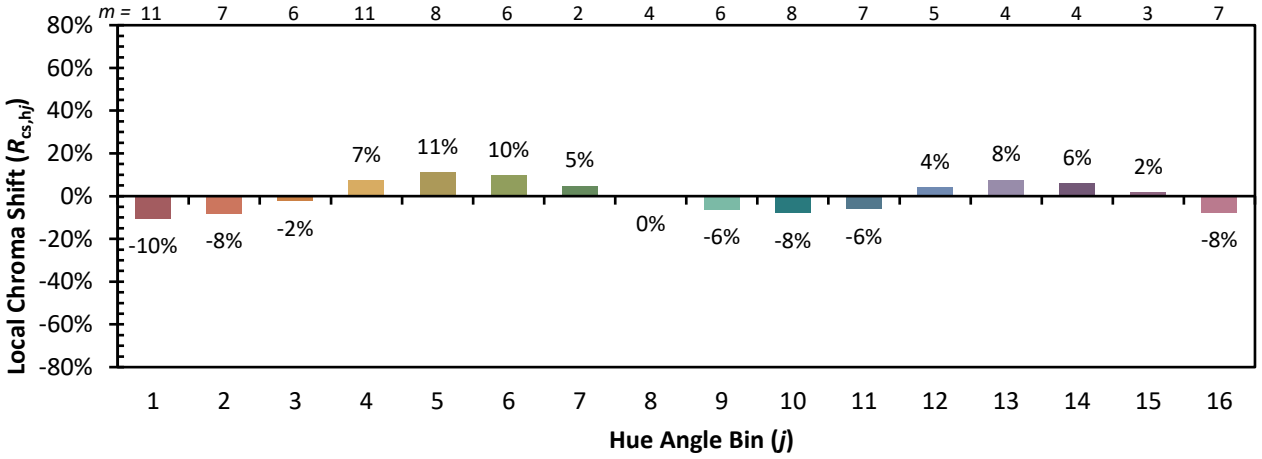
CES01 = 86	CES26 = 76	CES51 = 89	CES76 = 75
CES02 = 63	CES27 = 89	CES52 = 91	CES77 = 87
CES03 = 31	CES28 = 90	CES53 = 82	CES78 = 76
CES04 = 71	CES29 = 68	CES54 = 88	CES79 = 91
CES05 = 50	CES30 = 69	CES55 = 87	CES80 = 90
CES06 = 52	CES31 = 72	CES56 = 80	CES81 = 74
CES07 = 43	CES32 = 71	CES57 = 78	CES82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

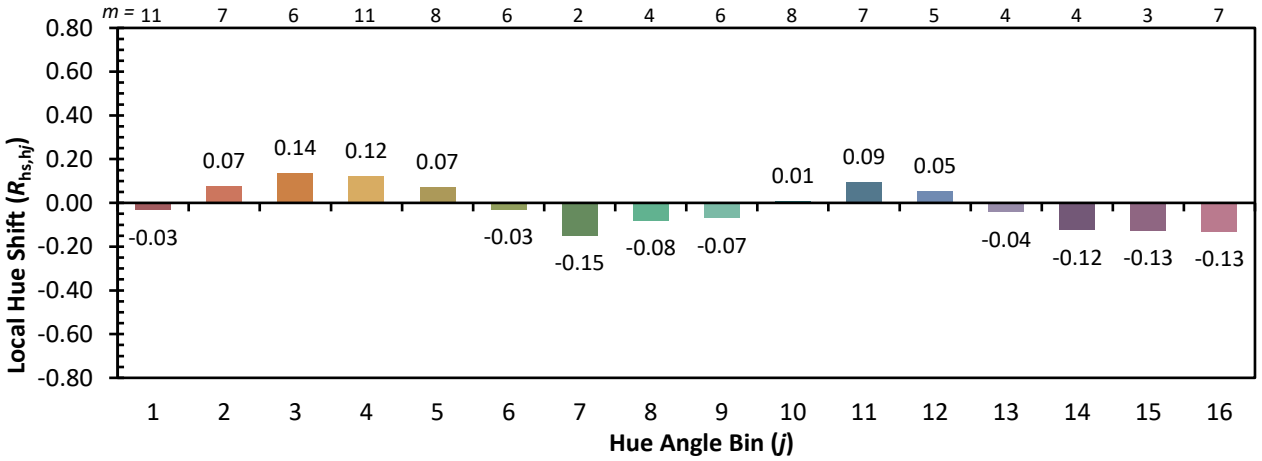


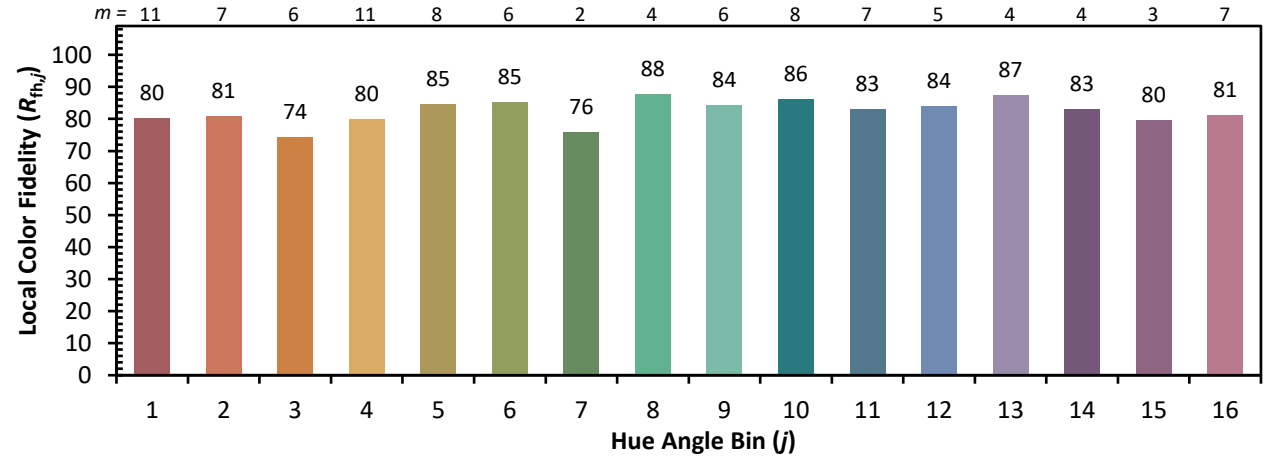
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Color Rendition by Hue-Angle Bin



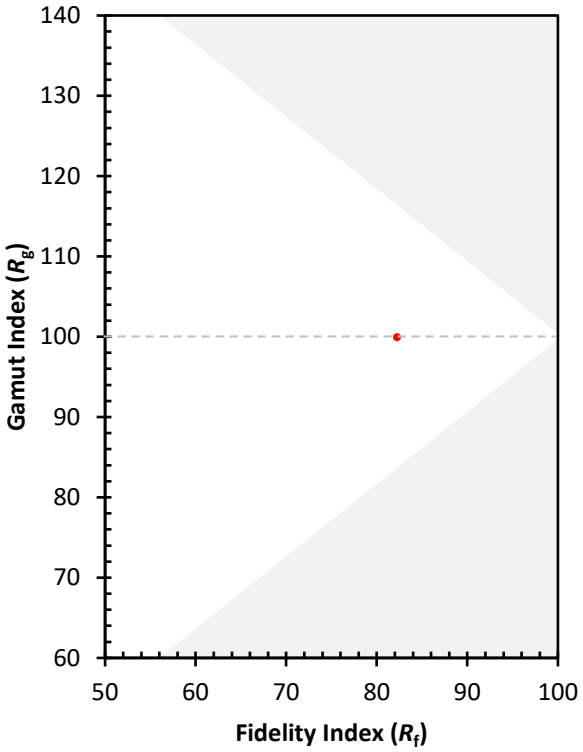


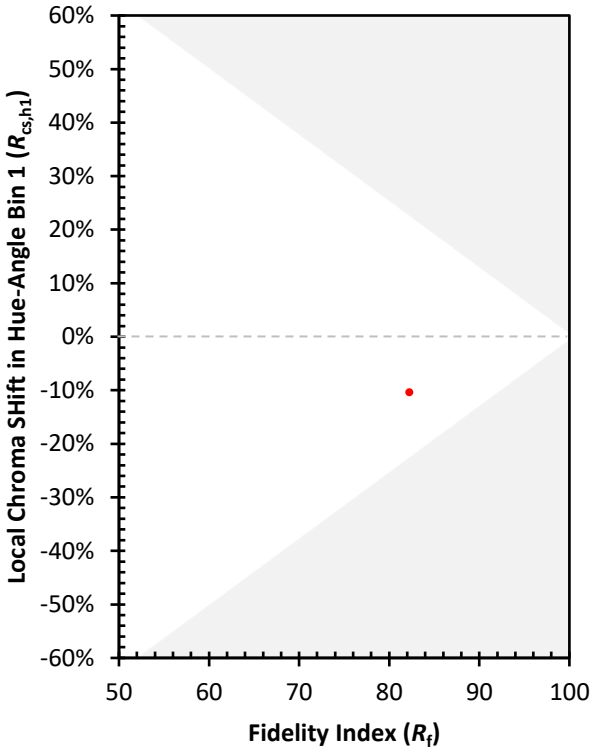


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Measure Comparisons





(END OF REPORT)