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: P1501428

Luminaire Tested: GSS-SB2D-735-U-T2LG

Issue Date: 07/20/2026

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Scaled Data Report

Test Information

Test Method:	LM-79-2024
Report Number:	P1501428
Test Lab:	INNOVATION CENTER(G1)
Issue Date:	7/20/2026
Manufacturer:	COOPER LIGHTING SOLUTIONS
Product Line:	McGRAW-EDISON
Catalog Number:	GSS-SB2D-735-U-T2LG
Description:	GALLEON II SLIM SITE HIGH DENSITY LED ARRAYS 2SQUARE 147W 70CRI 3500K FIXTURE w/ TYPE II LOW GLARE DISTRIBUTION FIXTURE
Light Source:	(52) 3500K CCT, 70 CRI LEDS
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	18920.2 lumens
Efficiency:	N/A
Efficacy:	128.7 lumens/watt
Luminous Opening:	Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification:	Type II - Short
BUG Rating:	B3 - U0 - G3

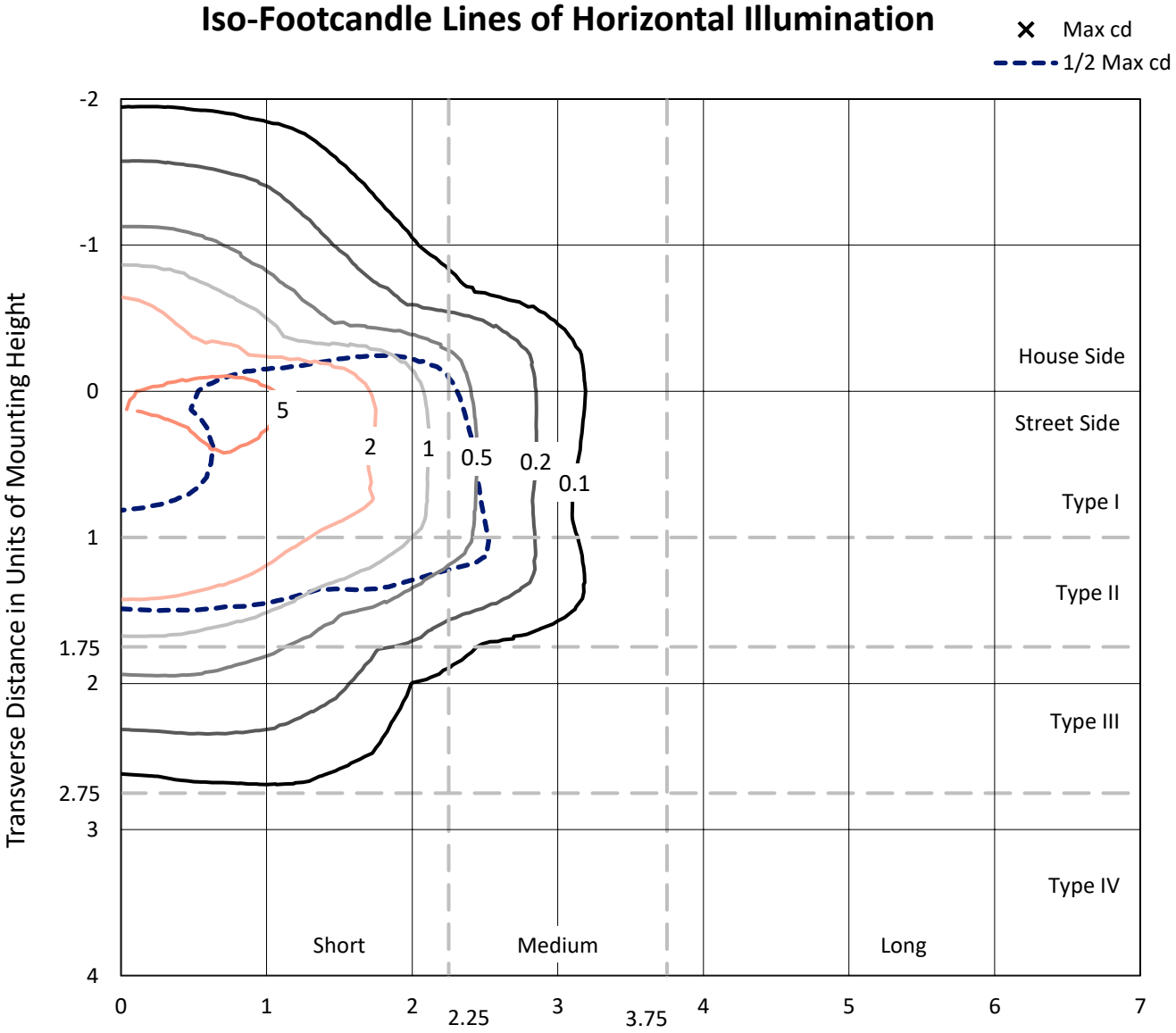
Input Watts (W):	147
Input Voltage (V):	120
Input Current (Ain):	NR
Voltage Rise (V):	NR
Power Factor:	0.98
Total Harmonic Distortion (THDi):	3.1%
Frequency (hertz):	60
Stabilization Time:	NR
Operation Time:	NR
Ambient Temperature (°C):	NR
Test Distance:	28.75 FT

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Iso-Footcandle Lines of Horizontal Illumination



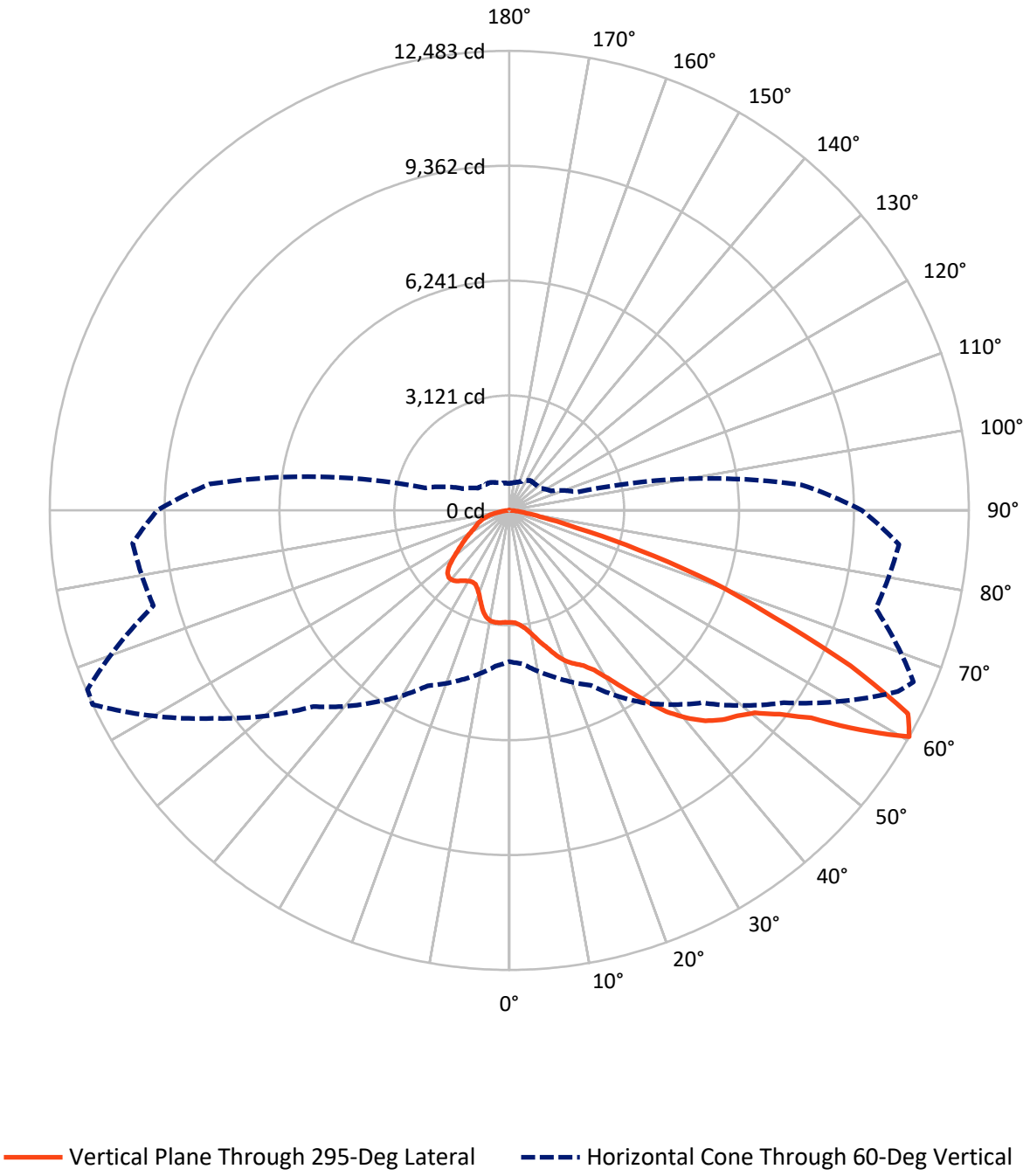
Based on 25 foot mounting height. Maximum calculated value = 7.3 fc
Type II - Short - N/A

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Luminous Intensity Polar Plot



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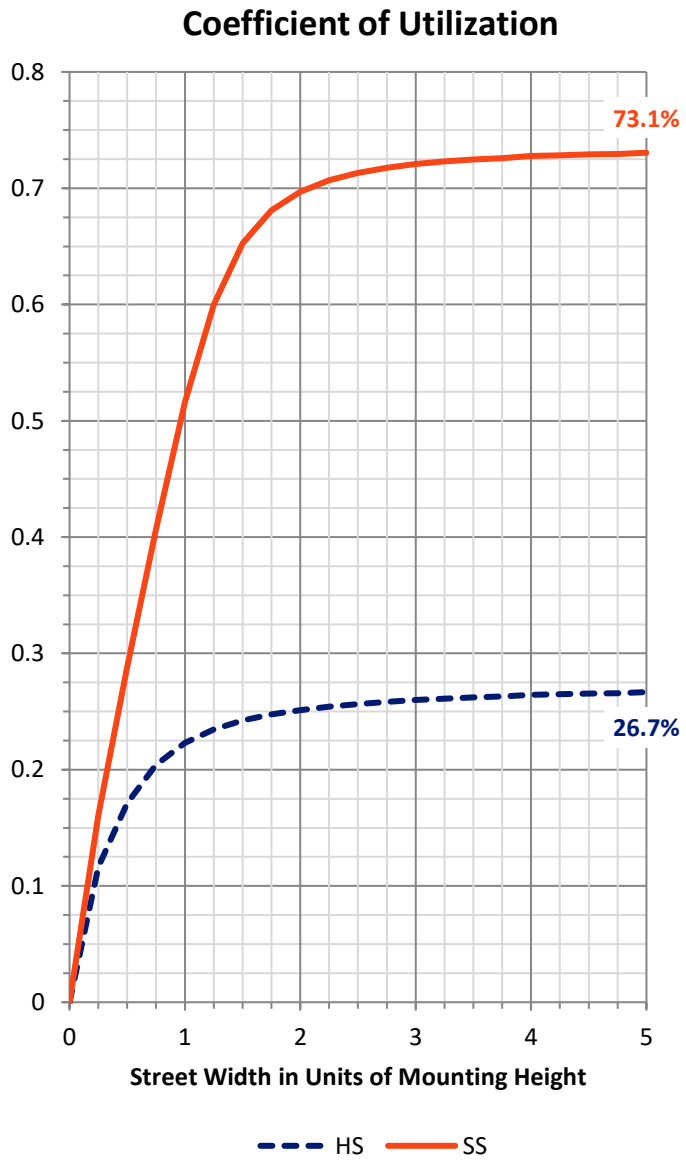
REPORT NUMBER: P1501428
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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	5087.9	0.0	5087.9
	% Fixture	26.9	0.0	26.9
Street Side	Lumens	13832.3	0.0	13832.3
	% Fixture	73.1	0.0	73.1
Total	Lumens	18920.2	0.0	18920.2
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	286.2	1.5
10°-20°	822.8	4.3
20°-30°	1558.5	8.2
30°-40°	2747.6	14.5
40°-50°	4063.4	21.5
50°-60°	4771.5	25.2
60°-70°	3457.2	18.3
70°-80°	1066.2	5.6
80°-90°	146.8	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°	18920.2	100.0
0°-180°	18920.2	100.0



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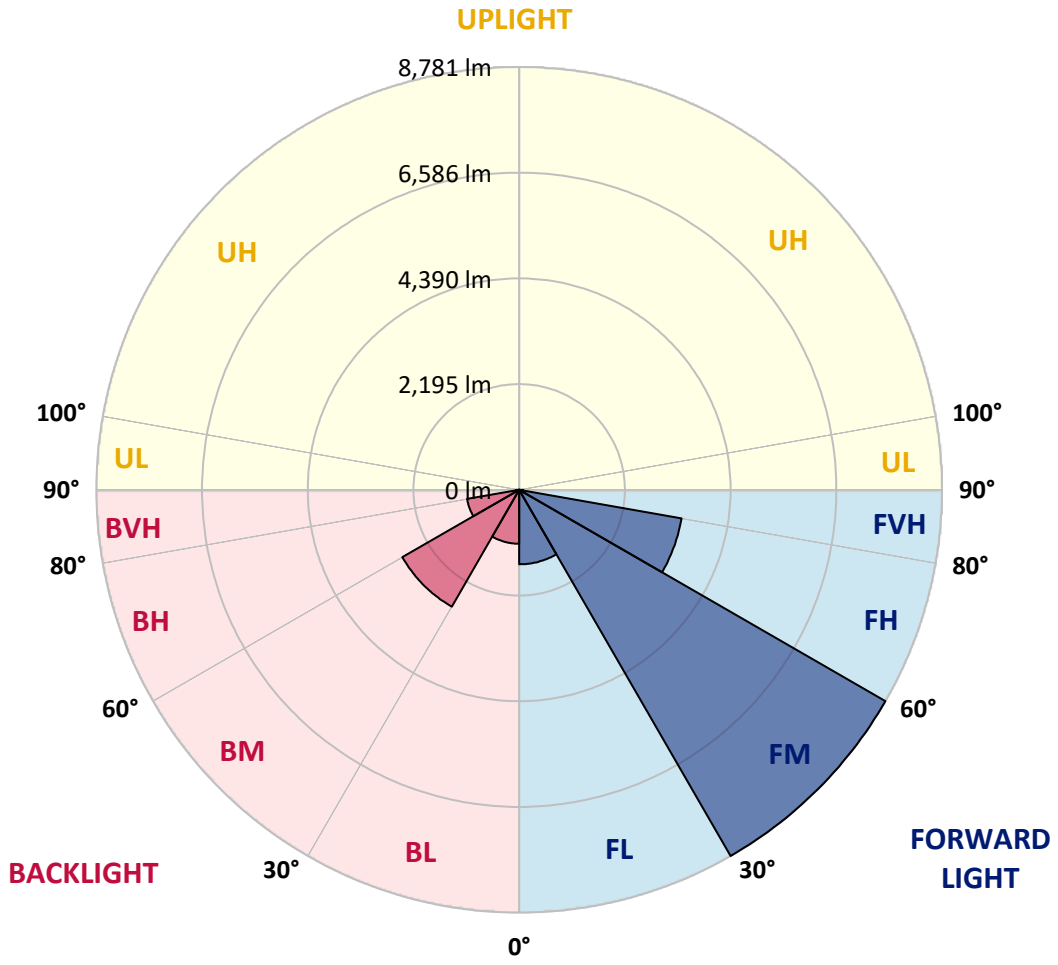
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	1547.0	8.2			
FM	(30°-60°)	8781.0	46.4			
FH	(60°-80°)	3425.1	18.1			G2/5000
FVH	(80°-90°)	79.2	0.4			G1/100
BL	(0°-30°)	1120.5	5.9	B3/2500		
BM	(30°-60°)	2801.5	14.8	B3/5000		
BH	(60°-80°)	1098.2	5.8	B3/2500		G3/2500
BVH	(80°-90°)	67.6	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°	3044.2	3044.2	3044.2	3044.2	3044.2	3044.2	3044.2	3044.2	3044.2	3044.2	3044.2
2.5°	3104.5	3113.2	3100.2	3108.8	3108.8	3095.9	3091.6	3074.4	3083.0	3078.7	3074.4
5°	3177.8	3182.1	3173.5	3186.5	3186.5	3190.8	3186.5	3164.9	3164.9	3164.9	3156.3
7.5°	3156.3	3156.3	3160.6	3203.7	3246.8	3302.9	3302.9	3294.3	3302.9	3298.6	3259.8
10°	2975.2	2992.4	3031.2	3139.0	3242.5	3363.2	3445.2	3471.0	3471.0	3475.4	3410.7
12.5°	2651.8	2664.7	2755.3	2919.1	3134.7	3354.6	3553.0	3682.3	3695.3	3716.8	3630.6
15°	2362.9	2371.5	2436.2	2604.4	2850.1	3238.2	3613.3	3880.7	3923.8	4014.3	3885.0
17.5°	2388.8	2384.5	2401.7	2466.4	2643.2	3048.5	3600.4	4113.5	4191.1	4350.7	4238.6
20°	2544.0	2544.0	2556.9	2569.9	2634.5	2910.5	3505.5	4303.2	4454.1	4764.6	4635.2
22.5°	2789.8	2789.8	2785.5	2807.0	2807.0	2970.9	3509.9	4445.5	4669.7	5226.0	5100.9
25°	3130.4	3113.2	3113.2	3121.8	3083.0	3199.4	3617.6	4592.1	4885.3	5773.6	5665.8
27.5°	3514.2	3527.1	3518.5	3488.3	3436.5	3527.1	3876.4	4820.7	5126.8	6351.4	6308.2
30°	3932.4	3936.7	3945.3	3928.1	3885.0	3949.7	4281.7	5165.6	5445.9	6955.0	7049.9
32.5°	4342.0	4402.4	4380.8	4337.7	4355.0	4471.4	4781.8	5631.3	5920.2	7515.6	7851.9
35°	4863.8	4885.3	4971.6	4812.0	4816.3	5014.7	5420.0	6243.6	6523.8	8097.7	8653.9
37.5°	5622.7	5661.5	5622.7	5372.6	5333.8	5609.7	6040.9	6847.2	7049.9	8537.5	9399.8
40°	6368.6	6416.0	6480.7	6187.5	5941.7	6170.3	6627.3	7308.6	7519.9	8778.9	9895.7
42.5°	6985.2	7062.8	6993.8	6907.6	6683.4	6726.5	7036.9	7666.5	7877.8	9085.1	10395.9
45°	7506.9	7519.9	7550.1	7489.7	7377.6	7338.8	7386.2	7981.2	8214.1	9223.1	10641.7
47.5°	7722.5	7778.6	7804.5	7907.9	8024.4	7946.7	7683.7	8127.8	8339.1	9214.4	10719.3
50°	7606.1	7662.2	7800.1	8045.9	8326.2	8464.2	8033.0	8330.5	8567.7	9369.7	10878.8
52.5°	7300.0	7360.3	7584.6	7864.8	8334.8	8649.6	8524.5	8753.1	8981.6	9645.6	11146.1
55°	6558.3	6648.9	6963.6	7429.3	8076.1	8550.4	9042.0	9374.0	9624.1	9977.6	11422.1
57.5°	5480.4	5575.2	5928.8	6627.3	7597.5	8140.8	9192.9	10538.2	10650.3	10374.3	11448.0
60°	*4104.9*	*4182.5*	*4682.7*	*5243.2*	*6381.5*	*7390.5*	*9106.6*	*11642.0*	*11926.6*	*10305.3*	*10624.4*
62.5°	3251.1	3346.0	3790.1	4048.8	4863.8	6105.6	8804.8	11948.2	12193.9	9736.2	9477.5
65°	2539.7	2604.4	3018.3	3389.1	3587.5	4169.6	7545.7	10451.9	10671.8	8809.1	7821.7
67.5°	1677.3	1776.5	2268.0	2776.8	2880.3	2651.8	5191.5	8041.6	8145.1	7002.5	5881.4
70°	1203.0	1250.4	1616.9	2160.2	2315.5	1776.5	2828.6	6088.3	6118.5	4699.9	3962.6
72.5°	819.3	827.9	1099.5	1655.8	1845.5	1289.2	1556.6	4010.0	3906.5	2319.8	2268.0
75°	556.2	564.9	702.8	1103.8	1306.5	896.9	1013.3	2186.1	2099.9	1280.6	1375.5
77.5°	375.1	383.8	482.9	741.6	871.0	620.9	741.6	1155.6	1134.0	849.4	737.3
80°	284.6	297.5	357.9	474.3	608.0	362.2	422.6	547.6	556.2	452.7	375.1
82.5°	159.5	176.8	215.6	241.5	392.4	202.7	202.7	327.7	314.8	280.3	202.7
85°	69.0	73.3	86.2	90.5	159.5	86.2	73.3	142.3	146.6	138.0	64.7
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°	3044.2	3044.2	3044.2	3044.2	3044.2	3044.2	3044.2	3044.2	3044.2	3044.2	3044.2
2.5°	3052.8	3078.7	3052.8	3039.9	3039.9	3018.3	3009.7	3009.7	2979.5	2992.4	2983.8
5°	3121.8	3130.4	3100.2	3061.4	3009.7	2966.6	2906.2	2828.6	2781.1	2776.8	2781.1
7.5°	3229.6	3233.9	3152.0	3065.7	2936.4	2781.1	2595.7	2444.8	2311.2	2289.6	2315.5
10°	3380.5	3371.9	3251.1	3048.5	2776.8	2449.1	2164.6	2026.6	1949.0	1944.6	1940.3
12.5°	3583.2	3527.1	3341.7	2975.2	2500.9	2121.4	1974.8	1966.2	1987.8	2005.0	2009.3
15°	3816.0	3742.7	3415.0	2832.9	2220.6	2000.7	2009.3	2082.6	2108.5	2125.7	2125.7
17.5°	4104.9	4010.0	3496.9	2630.2	2078.3	2026.6	2086.9	2155.9	2199.0	2216.3	2212.0
20°	4488.6	4290.3	3561.6	2436.2	2039.5	2069.7	2121.4	2190.4	2233.5	2255.1	2255.1
22.5°	4872.4	4626.6	3574.5	2302.5	2039.5	2074.0	2121.4	2190.4	2237.9	2259.4	2255.1
25°	5394.1	5057.8	3578.8	2207.7	2043.8	2052.4	2095.6	2155.9	2224.9	2246.5	2255.1
27.5°	5950.4	5532.1	3600.4	2186.1	2026.6	2022.3	2052.4	2108.5	2177.5	2233.5	2237.9
30°	6640.3	6066.8	3609.0	2207.7	2030.9	1974.8	1996.4	2052.4	2125.7	2181.8	2199.0
32.5°	7317.2	6562.6	3591.8	2255.1	2039.5	1944.6	1949.0	1983.5	2061.1	2099.9	2130.1
35°	8033.0	7088.7	3561.6	2319.8	2043.8	1931.7	1892.9	1910.2	1961.9	1966.2	1979.1
37.5°	8593.5	7481.1	3471.0	2406.0	2052.4	1884.3	1806.7	1793.7	1772.2	1729.1	1737.7
40°	9054.9	7744.1	3320.1	2449.1	2030.9	1828.2	1698.9	1638.5	1556.6	1491.9	1504.8
42.5°	9386.9	7920.9	3139.0	2457.8	1996.4	1733.4	1573.8	1470.3	1379.8	1310.8	1315.1
45°	9533.5	7903.6	2945.0	2393.1	1914.5	1616.9	1457.4	1358.2	1259.1	1185.8	1177.1
47.5°	9537.8	7735.5	2677.7	2237.9	1776.5	1483.3	1349.6	1241.8	1159.9	1108.1	1103.8
50°	9572.3	7640.6	2427.6	2013.6	1595.4	1341.0	1254.7	1147.0	1099.5	1026.2	1004.7
52.5°	9787.9	7795.8	2255.1	1767.9	1427.2	1237.5	1172.8	1078.0	1000.4	952.9	948.6
55°	10137.2	8063.2	2160.2	1582.5	1267.7	1138.3	1095.2	1013.3	944.3	896.9	883.9
57.5°	10180.3	8201.1	2048.1	1410.0	1138.3	1060.7	1043.5	952.9	853.7	819.3	806.3
60°	*9576.6*	*7968.3*	*1910.2*	*1250.4*	*1043.5*	*1000.4*	*991.7*	*871.0*	*789.1*	*746.0*	*728.7*
62.5°	8753.1	7386.2	1698.9	1103.8	970.2	940.0	905.5	810.6	707.1	659.7	646.8
65°	7153.4	6209.1	1444.5	1004.7	896.9	862.4	853.7	724.4	655.4	629.5	625.2
67.5°	5420.0	4988.8	1272.0	931.4	819.3	806.3	776.1	733.0	702.8	672.6	664.0
70°	3833.2	3600.4	1082.3	836.5	741.6	720.1	845.1	797.7	689.9	651.1	646.8
72.5°	2324.1	2259.4	935.7	750.3	638.2	672.6	780.4	720.1	620.9	573.5	556.2
75°	1466.0	1341.0	784.8	638.2	508.8	547.6	681.3	642.5	534.7	487.2	474.3
77.5°	797.7	741.6	590.7	521.7	401.0	444.1	595.0	530.4	426.9	465.7	413.9
80°	349.3	388.1	392.4	301.8	267.3	327.7	426.9	413.9	327.7	332.0	276.0
82.5°	168.2	219.9	254.4	207.0	150.9	194.0	284.6	237.2	219.9	207.0	198.3
85°	51.7	81.9	112.1	99.2	69.0	81.9	133.7	129.4	155.2	133.7	125.0
87.5°	17.2	17.2	12.9	12.9	12.9	17.2	21.6	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°	3044.2	3044.2	3044.2	3044.2	3044.2	3044.2	3044.2	3044.2	3044.2	3044.2	3044.2
2.5°	2979.5	2983.8	2983.8	2988.1	2988.1	3001.1	3018.3	3035.5	3022.6	3039.9	3044.2
5°	2772.5	2794.1	2811.3	2876.0	2927.7	2970.9	3018.3	3061.4	3074.4	3083.0	3104.5
7.5°	2285.3	2345.6	2457.8	2604.4	2768.2	2927.7	3035.5	3147.7	3164.9	3186.5	3216.6
10°	1944.6	1970.5	2048.1	2199.0	2492.3	2807.0	3070.0	3246.8	3320.1	3363.2	3393.4
12.5°	2000.7	1983.5	1970.5	1992.1	2181.8	2587.1	3048.5	3389.1	3527.1	3574.5	3613.3
15°	2134.4	2117.1	2069.7	2009.3	2030.9	2354.3	2975.2	3522.8	3742.7	3820.3	3902.2
17.5°	2212.0	2194.7	2155.9	2091.2	2035.2	2160.2	2837.2	3643.5	4083.3	4178.2	4294.6
20°	2255.1	2237.9	2199.0	2134.4	2069.7	2086.9	2660.4	3794.4	4471.4	4622.3	4794.8
22.5°	2263.7	2242.2	2199.0	2134.4	2095.6	2082.6	2492.3	3885.0	4889.6	5122.5	5320.8
25°	2259.4	2220.6	2164.6	2117.1	2095.6	2091.2	2375.8	3936.7	5342.4	5713.2	5937.4
27.5°	2229.2	2181.8	2125.7	2091.2	2082.6	2108.5	2324.1	3997.1	5872.7	6347.1	6704.9
30°	2194.7	2125.7	2056.8	2043.8	2065.4	2147.3	2367.2	4018.6	6429.0	7036.9	7403.5
32.5°	2104.2	2052.4	1983.5	1979.1	2030.9	2177.5	2466.4	3988.5	6920.5	7726.8	8188.2
35°	1974.8	1944.6	1905.8	1918.8	2000.7	2203.4	2535.4	3893.6	7369.0	8369.3	8908.3
37.5°	1746.3	1767.9	1789.4	1819.6	1923.1	2199.0	2565.6	3742.7	7739.8	8882.4	9572.3
40°	1491.9	1565.2	1634.2	1711.8	1849.8	2164.6	2574.2	3557.3	7955.4	9270.5	10163.0
42.5°	1332.4	1401.4	1487.6	1599.7	1750.6	2086.9	2565.6	3350.3	8024.4	9537.8	10538.2
45°	1185.8	1267.7	1375.5	1491.9	1664.4	1974.8	2487.9	3126.1	8058.9	9662.9	10697.7
47.5°	1108.1	1155.6	1254.7	1371.2	1552.3	1836.9	2337.0	2962.2	8007.1	9688.7	10891.7
50°	1017.6	1082.3	1147.0	1259.1	1435.8	1664.4	2155.9	2867.4	8093.4	9943.1	11197.9
52.5°	948.6	983.1	1052.1	1155.6	1284.9	1504.8	1983.5	2789.8	8330.5	10201.8	11517.0
55°	896.9	935.7	978.8	1065.0	1164.2	1345.3	1806.7	2673.4	8606.5	10477.8	11836.0
57.5°	814.9	840.8	901.2	991.7	1056.4	1190.1	1599.7	2535.4	8584.9	10262.2	11284.1
60°	*741.6*	*767.5*	*832.2*	*922.7*	*961.5*	*1052.1*	*1397.0*	*2358.6*	*8171.0*	*9559.4*	*10266.5*
62.5°	659.7	689.9	767.5	832.2	866.7	935.7	1185.8	2035.2	7308.6	8503.0	9076.5
65°	625.2	642.5	694.2	771.8	767.5	832.2	1000.4	1599.7	5881.4	6498.0	7019.7
67.5°	664.0	689.9	681.3	702.8	689.9	724.4	896.9	1284.9	4622.3	4894.0	5195.8
70°	655.4	715.8	746.0	702.8	603.7	642.5	776.1	1026.2	3307.2	3281.3	3268.4
72.5°	573.5	633.8	720.1	763.2	590.7	534.7	672.6	888.2	2121.4	2112.8	1910.2
75°	487.2	530.4	633.8	689.9	508.8	431.2	577.8	754.6	1267.7	1284.9	1147.0
77.5°	448.4	426.9	530.4	608.0	413.9	332.0	465.7	569.2	698.5	707.1	655.4
80°	323.4	310.5	396.7	444.1	314.8	237.2	263.0	353.6	375.1	336.3	349.3
82.5°	207.0	211.3	237.2	284.6	194.0	129.4	181.1	237.2	202.7	163.9	194.0
85°	133.7	150.9	125.0	146.6	60.4	60.4	77.6	103.5	69.0	47.4	51.7
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: P1501428
CATALOG NUMBER: GSS-SB2D-735-U-T2LG

CANDELA DISTRIBUTION (continued):

	285°	293°	295°	305°	315°	325°	335°	345°	355°	360°
0°	3044.2	3044.2	*3044.2*	3044.2	3044.2	3044.2	3044.2	3044.2	3044.2	3044.2
2.5°	3057.1	3052.8	*3052.8*	3061.4	3083.0	3091.6	3104.5	3100.2	3113.2	3104.5
5°	3117.5	3121.8	*3134.7*	3139.0	3152.0	3169.2	3173.5	3169.2	3177.8	3177.8
7.5°	3238.2	3255.5	*3246.8*	3268.4	3251.1	3229.6	3195.1	3169.2	3147.7	3156.3
10°	3440.9	3432.2	*3427.9*	3389.1	3311.5	3199.4	3108.8	3009.7	2992.4	2975.2
12.5°	3665.1	3656.5	*3656.5*	3522.8	3302.9	3070.0	2863.1	2707.8	2656.1	2651.8
15°	3979.8	3923.8	*3872.0*	3591.8	3152.0	2755.3	2513.8	2393.1	2362.9	2362.9
17.5°	4372.2	4225.6	*4139.4*	3540.0	2906.2	2548.3	2406.0	2375.8	2367.2	2388.8
20°	4859.5	4488.6	*4363.6*	3423.6	2815.6	2574.2	2505.2	2509.5	2513.8	2544.0
22.5°	5394.1	4730.1	*4523.1*	3423.6	2906.2	2738.0	2703.5	2751.0	2763.9	2789.8
25°	5989.2	4945.7	*4665.4*	3604.7	3173.5	3048.5	3005.4	3052.8	3087.3	3130.4
27.5°	6657.5	5169.9	*4911.2*	3932.4	3518.5	3440.9	3393.4	3415.0	3462.4	3514.2
30°	7256.9	5545.0	*5286.3*	4432.6	3988.5	3893.6	3811.7	3846.2	3897.9	3932.4
32.5°	7787.2	6002.1	*5782.2*	4958.6	4527.4	4363.6	4273.0	4264.4	4367.9	4342.0
35°	8274.5	6541.1	*6329.8*	5558.0	5075.1	4872.4	4751.7	4906.9	4837.9	4863.8
37.5°	8658.2	7101.6	*6933.5*	6131.5	5644.2	5368.3	5295.0	5484.7	5592.5	5622.7
40°	8973.0	7588.9	*7412.1*	6700.6	6166.0	5963.3	6079.7	6394.5	6381.5	6368.6
42.5°	9214.4	8007.1	*7813.1*	7131.8	6666.1	6704.9	6795.5	7006.8	7058.5	6985.2
45°	9322.2	8270.1	*8114.9*	7472.4	7235.3	7459.5	7498.3	7588.9	7554.4	7506.9
47.5°	9447.3	8503.0	*8339.1*	7782.9	7851.9	8071.8	7994.2	7920.9	7795.8	7722.5
50°	9658.6	8778.9	*8641.0*	8235.6	8485.7	8412.4	8110.6	7946.7	7692.4	7606.1
52.5°	10059.6	9300.7	*9197.2*	8951.4	8783.2	8360.7	7994.2	7701.0	7416.4	7300.0
55°	10417.4	10007.8	*9947.5*	9619.7	8692.7	8089.0	7597.5	7144.7	6657.5	6558.3
57.5°	10624.4	11180.6	*11249.6*	9904.3	8278.8	7472.4	6748.1	6023.7	5562.3	5480.4
60°	*10007.8*	*12448.3*	*12482.8*	*9848.3*	*7532.8*	*6360.0*	*5256.2*	*4743.0*	*4247.2*	*4104.9*
62.5°	9158.4	12185.3	*12155.1*	9512.0	5997.8	4639.6	3992.8	3751.3	3367.6	3251.1
65°	7873.4	10150.1	*10184.6*	8218.4	3988.5	3354.6	3354.6	3048.5	2621.6	2539.7
67.5°	6416.0	7826.0	*7748.4*	5329.5	2449.1	2686.3	2815.6	2375.8	1776.5	1677.3
70°	4169.6	5976.2	*5868.4*	3074.4	1539.3	2237.9	2216.3	1785.1	1272.0	1203.0
72.5°	1793.7	3453.8	*3673.7*	1569.5	1159.9	1802.4	1767.9	1250.4	849.4	819.3
75°	1082.3	1737.7	*1892.9*	1000.4	845.1	1358.2	1224.6	793.4	577.8	556.2
77.5°	685.6	952.9	*944.3*	750.3	633.8	918.4	823.6	547.6	392.4	375.1
80°	396.7	470.0	*487.2*	470.0	426.9	655.4	526.0	396.7	306.1	284.6
82.5°	254.4	293.2	*297.5*	228.5	237.2	422.6	284.6	232.8	176.8	159.5
85°	112.1	125.0	*120.7*	77.6	77.6	172.5	99.2	94.9	69.0	69.0
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: SP1-2407-184-5

Test Date: 10/10/2024

Luminaire Tested: GSS-SB1A-735-U-5WQ

Data in this report applies to families of products including GSS-SB1A-735-U-5WQ

Report Generated By FNC07603 / LDUCLS01DT446
Version: v7.04

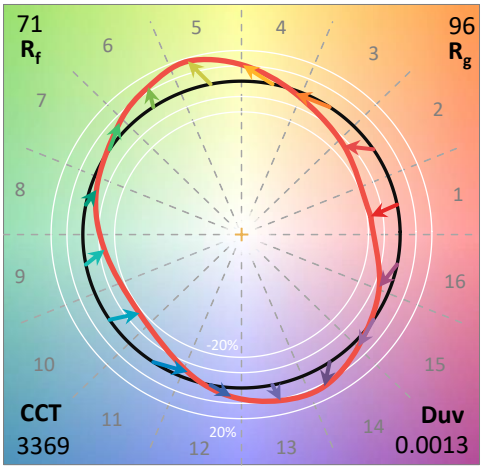
Test Information

Test Method:	LM-79-2019
Report Number:	SP1-2407-184-5
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-735-U-5WQ**
Description:	GALLEON II SITE SLIM 1SQ 350MA 5WQ HIGH DENSITY LIGHTSQUARE WITH 70 CRI 3500K CCT 26 LEDS

Spectral Parameters

CCT (K):	3369
CIE u':	0.2386
CIE v':	0.5156
Duv:	0.0013
CIE x:	0.4143
CIE y:	0.3980
CIE z:	0.1877
Peak Wavelength (nm):	590
Dominant Wavelength (nm):	580
Purity:	43.80166
Rf:	71.4
Rg:	96

CRI (Ra):	70.1
R1:	66.6
R2:	77.6
R3:	88.5
R4:	69.5
R5:	66.4
R6:	69.6
R7:	77.5
R8:	44.9
R9:	-40.2
R10:	49.1
R11:	66.3
R12:	45.7
R13:	68.0
R14:	93.4
R15:	57.6



Test Conditions

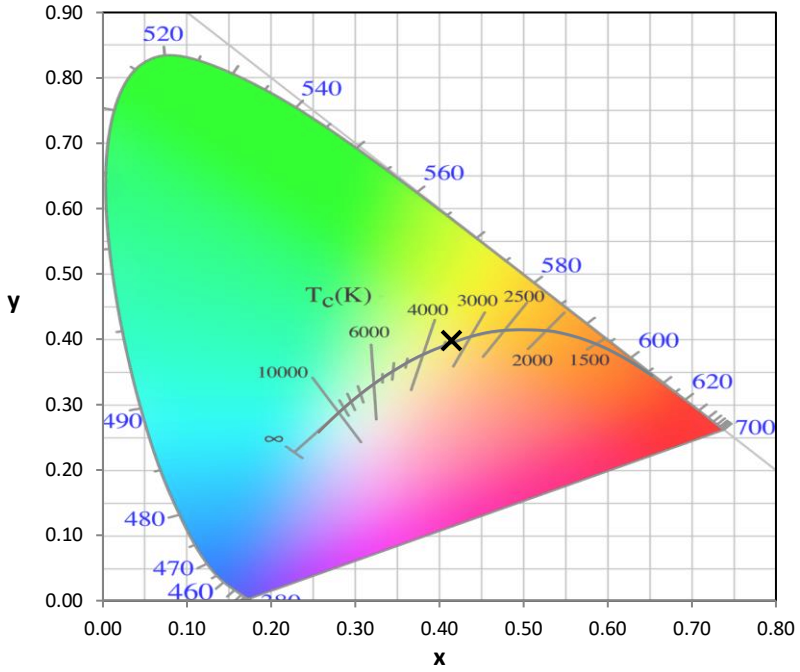
Stabilization Time:	21M
Operation Time:	1H 21M
Sphere Temperature (°C):	25.2

REPORT NUMBER: SP1-2407-184-5

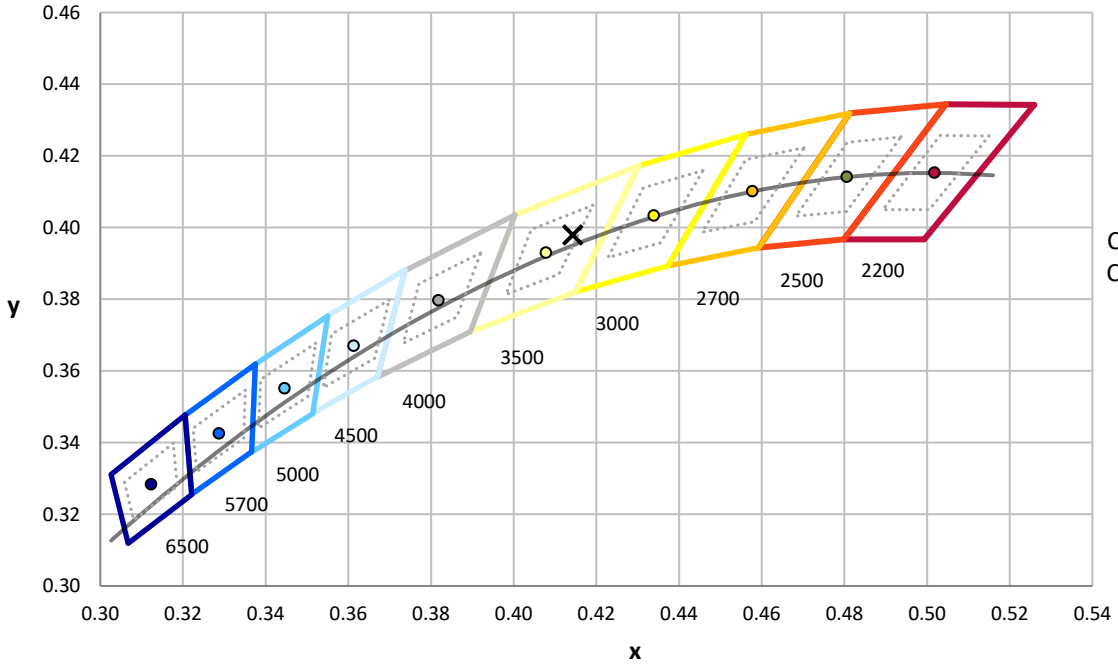
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

REPORT NUMBER: SP1-2407-184-5

CIE 1931 Chromaticity Diagram



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

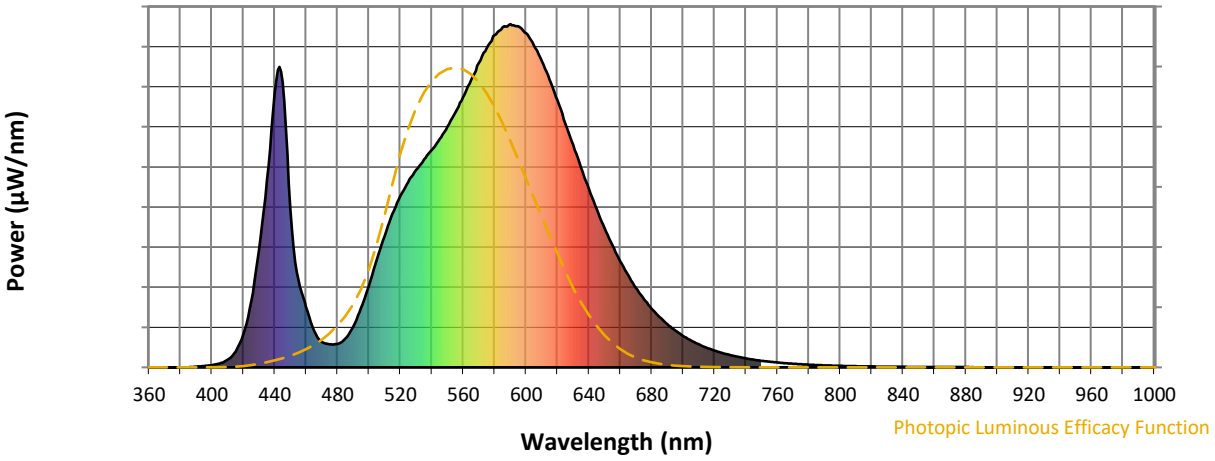


CCT = 3369K
CIE x = 0.4143
CIE y = 0.3980
Duv = 0.0013

Point lies inside the ANSI 3500K 4-step quadrangle

REPORT NUMBER: SP1-2407-184-5

Photopic Flux vs. Wavelength

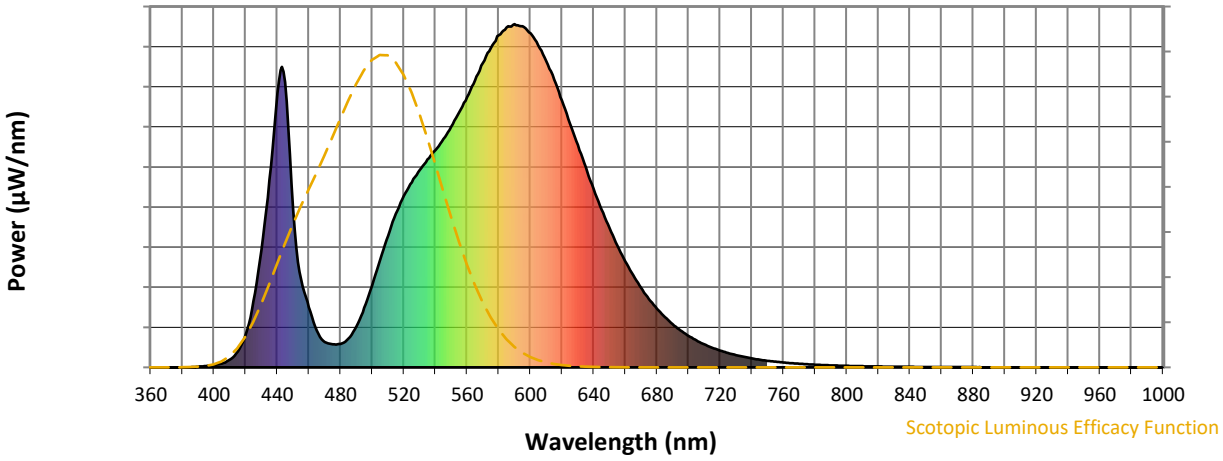


Photopic Lumens: NR

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	119	NR	620	778	NR	750	19	NR	880	1	NR
365	0	NR	495	173	NR	625	711	NR	755	16	NR	885	0	NR
370	0	NR	500	239	NR	630	648	NR	760	14	NR	890	0	NR
375	0	NR	505	313	NR	635	582	NR	765	12	NR	895	0	NR
380	0	NR	510	383	NR	640	520	NR	770	11	NR	900	0	NR
385	0	NR	515	448	NR	645	460	NR	775	9	NR	905	0	NR
390	2	NR	520	500	NR	650	406	NR	780	8	NR	910	0	NR
395	4	NR	525	539	NR	655	355	NR	785	7	NR	915	0	NR
400	6	NR	530	575	NR	660	309	NR	790	6	NR	920	0	NR
405	11	NR	535	606	NR	665	269	NR	795	5	NR	925	0	NR
410	22	NR	540	633	NR	670	231	NR	800	4	NR	930	0	NR
415	45	NR	545	666	NR	675	199	NR	805	4	NR	935	0	NR
420	96	NR	550	701	NR	680	171	NR	810	3	NR	940	0	NR
425	193	NR	555	743	NR	685	147	NR	815	3	NR	945	0	NR
430	341	NR	560	788	NR	690	126	NR	820	3	NR	950	0	NR
435	547	NR	565	837	NR	695	107	NR	825	2	NR	955	0	NR
440	799	NR	570	887	NR	700	92	NR	830	2	NR	960	0	NR
445	831	NR	575	931	NR	705	78	NR	835	2	NR	965	0	NR
450	461	NR	580	967	NR	710	67	NR	840	2	NR	970	0	NR
455	256	NR	585	990	NR	715	57	NR	845	1	NR	975	0	NR
460	176	NR	590	1000	NR	720	49	NR	850	1	NR	980	0	NR
465	107	NR	595	994	NR	725	42	NR	855	1	NR	985	0	NR
470	74	NR	600	973	NR	730	36	NR	860	1	NR	990	0	NR
475	67	NR	605	938	NR	735	31	NR	865	1	NR	995	0	NR
480	68	NR	610	892	NR	740	26	NR	870	1	NR	1000	0	NR
485	84	NR	615	838	NR	745	22	NR	875	1	NR			

REPORT NUMBER: SP1-2407-184-5

Scotopic Flux vs. Wavelength

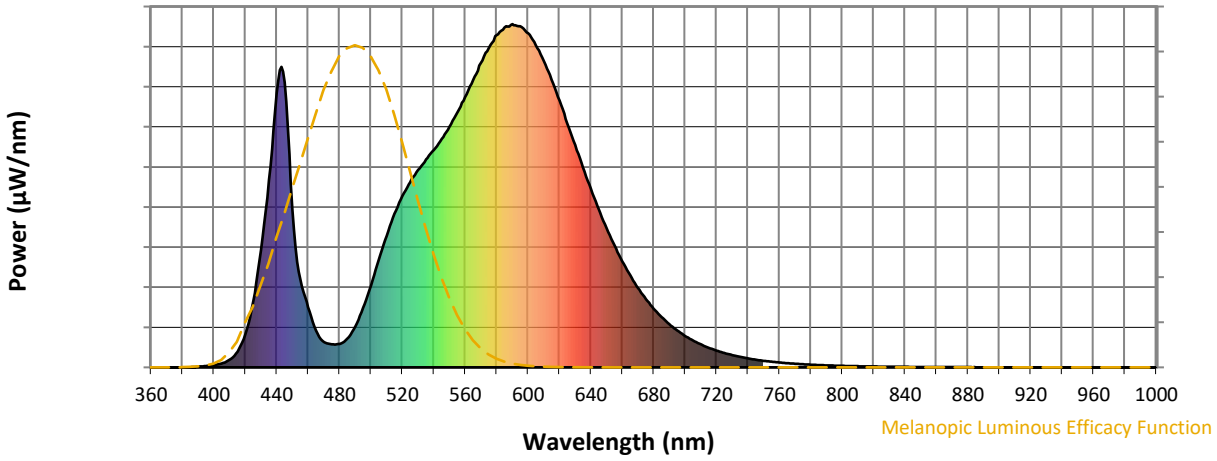


Scotopic Lumens: NR **S/P: 1.29**

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	119	NR	620	778	NR	750	19	NR	880	1	NR
365	0	NR	495	173	NR	625	711	NR	755	16	NR	885	0	NR
370	0	NR	500	239	NR	630	648	NR	760	14	NR	890	0	NR
375	0	NR	505	313	NR	635	582	NR	765	12	NR	895	0	NR
380	0	NR	510	383	NR	640	520	NR	770	11	NR	900	0	NR
385	0	NR	515	448	NR	645	460	NR	775	9	NR	905	0	NR
390	2	NR	520	500	NR	650	406	NR	780	8	NR	910	0	NR
395	4	NR	525	539	NR	655	355	NR	785	7	NR	915	0	NR
400	6	NR	530	575	NR	660	309	NR	790	6	NR	920	0	NR
405	11	NR	535	606	NR	665	269	NR	795	5	NR	925	0	NR
410	22	NR	540	633	NR	670	231	NR	800	4	NR	930	0	NR
415	45	NR	545	666	NR	675	199	NR	805	4	NR	935	0	NR
420	96	NR	550	701	NR	680	171	NR	810	3	NR	940	0	NR
425	193	NR	555	743	NR	685	147	NR	815	3	NR	945	0	NR
430	341	NR	560	788	NR	690	126	NR	820	3	NR	950	0	NR
435	547	NR	565	837	NR	695	107	NR	825	2	NR	955	0	NR
440	799	NR	570	887	NR	700	92	NR	830	2	NR	960	0	NR
445	831	NR	575	931	NR	705	78	NR	835	2	NR	965	0	NR
450	461	NR	580	967	NR	710	67	NR	840	2	NR	970	0	NR
455	256	NR	585	990	NR	715	57	NR	845	1	NR	975	0	NR
460	176	NR	590	1000	NR	720	49	NR	850	1	NR	980	0	NR
465	107	NR	595	994	NR	725	42	NR	855	1	NR	985	0	NR
470	74	NR	600	973	NR	730	36	NR	860	1	NR	990	0	NR
475	67	NR	605	938	NR	735	31	NR	865	1	NR	995	0	NR
480	68	NR	610	892	NR	740	26	NR	870	1	NR	1000	0	NR
485	84	NR	615	838	NR	745	22	NR	875	1	NR			

REPORT NUMBER: SP1-2407-184-5

Melanopic Flux vs. Wavelength



Melanopic Lumens: NR **M/P: 2.36**

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	119	NR	620	778	NR	750	19	NR	880	1	NR
365	0	NR	495	173	NR	625	711	NR	755	16	NR	885	0	NR
370	0	NR	500	239	NR	630	648	NR	760	14	NR	890	0	NR
375	0	NR	505	313	NR	635	582	NR	765	12	NR	895	0	NR
380	0	NR	510	383	NR	640	520	NR	770	11	NR	900	0	NR
385	0	NR	515	448	NR	645	460	NR	775	9	NR	905	0	NR
390	2	NR	520	500	NR	650	406	NR	780	8	NR	910	0	NR
395	4	NR	525	539	NR	655	355	NR	785	7	NR	915	0	NR
400	6	NR	530	575	NR	660	309	NR	790	6	NR	920	0	NR
405	11	NR	535	606	NR	665	269	NR	795	5	NR	925	0	NR
410	22	NR	540	633	NR	670	231	NR	800	4	NR	930	0	NR
415	45	NR	545	666	NR	675	199	NR	805	4	NR	935	0	NR
420	96	NR	550	701	NR	680	171	NR	810	3	NR	940	0	NR
425	193	NR	555	743	NR	685	147	NR	815	3	NR	945	0	NR
430	341	NR	560	788	NR	690	126	NR	820	3	NR	950	0	NR
435	547	NR	565	837	NR	695	107	NR	825	2	NR	955	0	NR
440	799	NR	570	887	NR	700	92	NR	830	2	NR	960	0	NR
445	831	NR	575	931	NR	705	78	NR	835	2	NR	965	0	NR
450	461	NR	580	967	NR	710	67	NR	840	2	NR	970	0	NR
455	256	NR	585	990	NR	715	57	NR	845	1	NR	975	0	NR
460	176	NR	590	1000	NR	720	49	NR	850	1	NR	980	0	NR
465	107	NR	595	994	NR	725	42	NR	855	1	NR	985	0	NR
470	74	NR	600	973	NR	730	36	NR	860	1	NR	990	0	NR
475	67	NR	605	938	NR	735	31	NR	865	1	NR	995	0	NR
480	68	NR	610	892	NR	740	26	NR	870	1	NR	1000	0	NR
485	84	NR	615	838	NR	745	22	NR	875	1	NR			

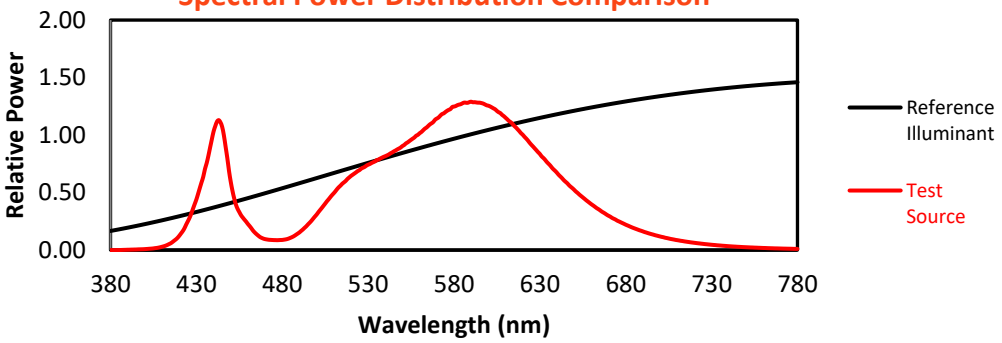
REPORT NUMBER: SP1-2407-184-5

TM-30-18

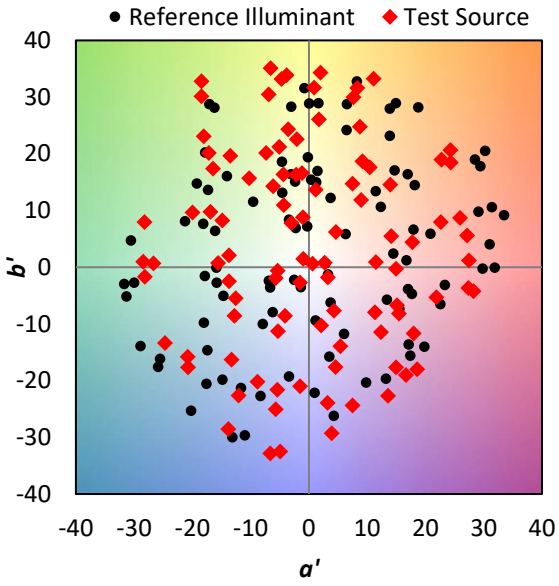
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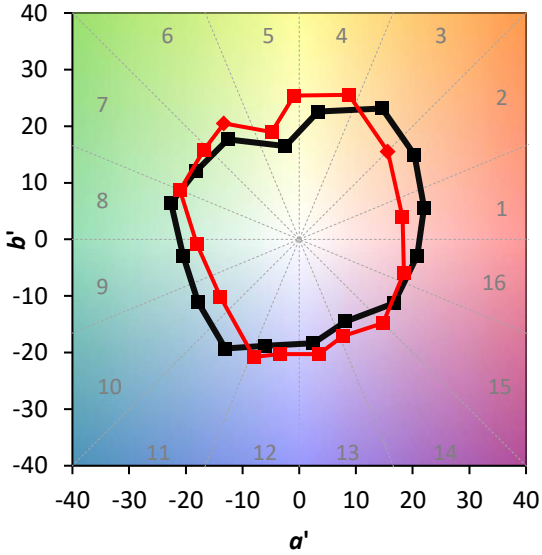
R_f = 71.4
R_g = 96
CIE R_a = 70.1
R_9 = -40.2

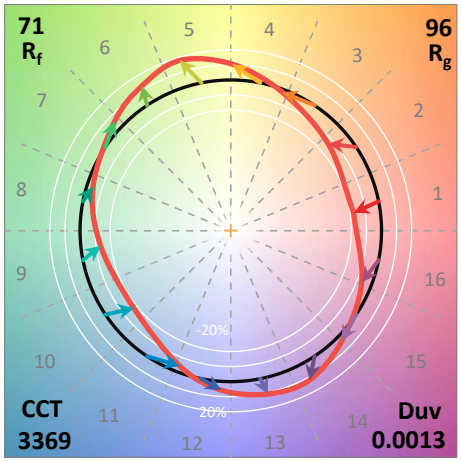
Spectral Power Distribution Comparison

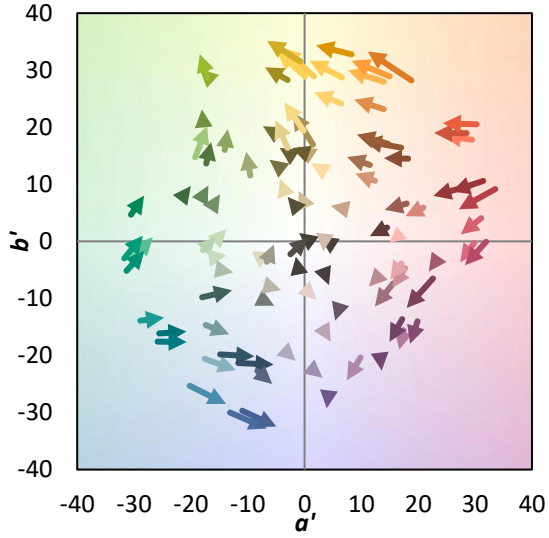


Color Vector Graphics







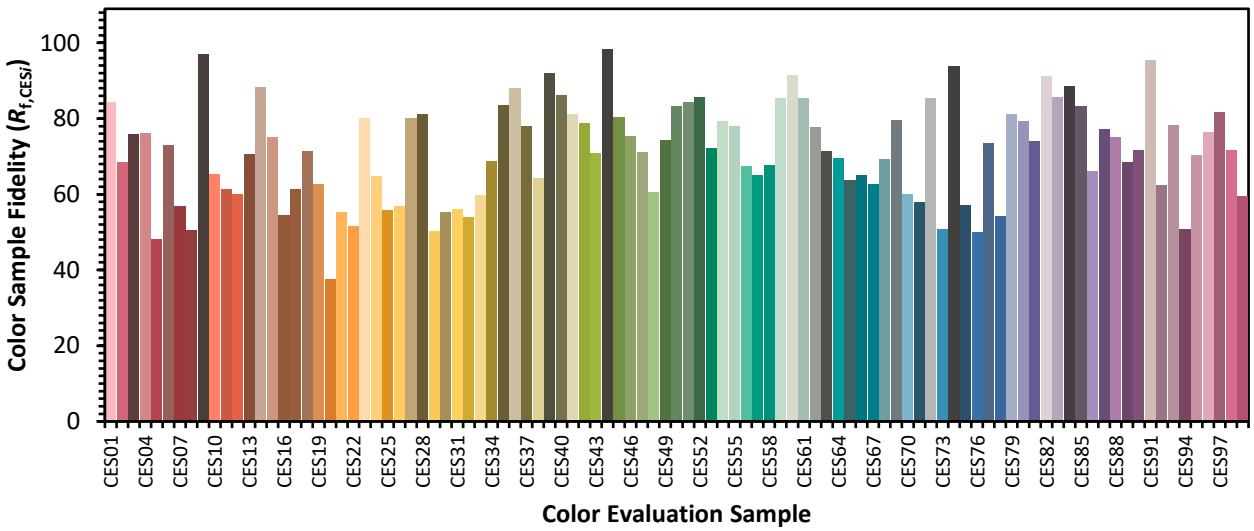


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Individual Sample Fidelity Index ($R_{f,i}$)

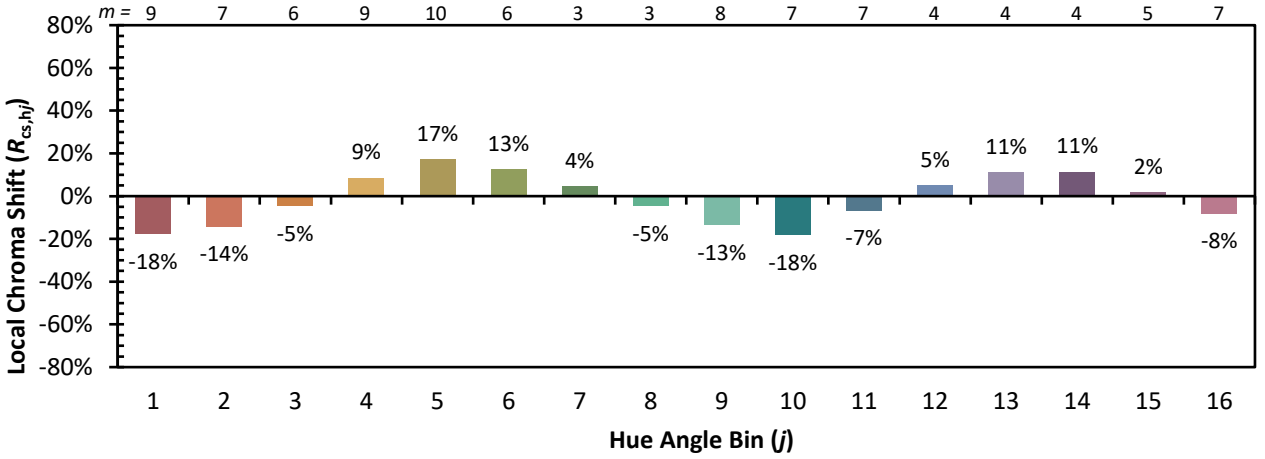
CES01 = 86	CES26 = 57	CES51 = 84	CES76 = 50
CES02 = 62	CES27 = 80	CES52 = 86	CES77 = 74
CES03 = 31	CES28 = 81	CES53 = 72	CES78 = 54
CES04 = 70	CES29 = 50	CES54 = 79	CES79 = 81
CES05 = 48	CES30 = 55	CES55 = 78	CES80 = 79
CES06 = 51	CES31 = 56	CES56 = 67	CES81 = 74
CES07 = 40	CES32 = 54	CES57 = 65	CES82 = 91
CES08 = 39	CES33 = 60	CES58 = 68	CES83 = 86
CES09 = 29	CES34 = 69	CES59 = 85	CES84 = 89
CES10 = 75	CES35 = 83	CES60 = 91	CES85 = 83
CES11 = 58	CES36 = 88	CES61 = 85	CES86 = 66
CES12 = 64	CES37 = 78	CES62 = 78	CES87 = 77
CES13 = 43	CES38 = 64	CES63 = 71	CES88 = 75
CES14 = 74	CES39 = 92	CES64 = 70	CES89 = 68
CES15 = 71	CES40 = 86	CES65 = 64	CES90 = 72
CES16 = 47	CES41 = 81	CES66 = 65	CES91 = 95
CES17 = 50	CES42 = 79	CES67 = 63	CES92 = 62
CES18 = 56	CES43 = 71	CES68 = 69	CES93 = 78
CES19 = 72	CES44 = 98	CES69 = 80	CES94 = 51
CES20 = 65	CES45 = 80	CES70 = 60	CES95 = 70
CES21 = 87	CES46 = 75	CES71 = 58	CES96 = 76
CES22 = 79	CES47 = 71	CES72 = 85	CES97 = 82
CES23 = 92	CES48 = 61	CES73 = 51	CES98 = 72
CES24 = 91	CES49 = 74	CES74 = 94	CES99 = 60
CES25 = 72	CES50 = 83	CES75 = 57	

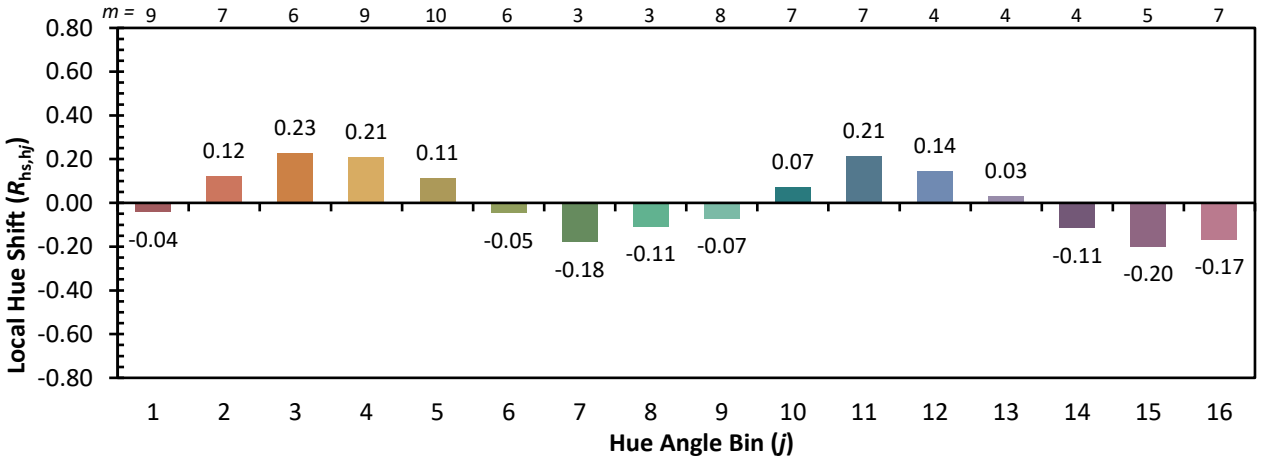


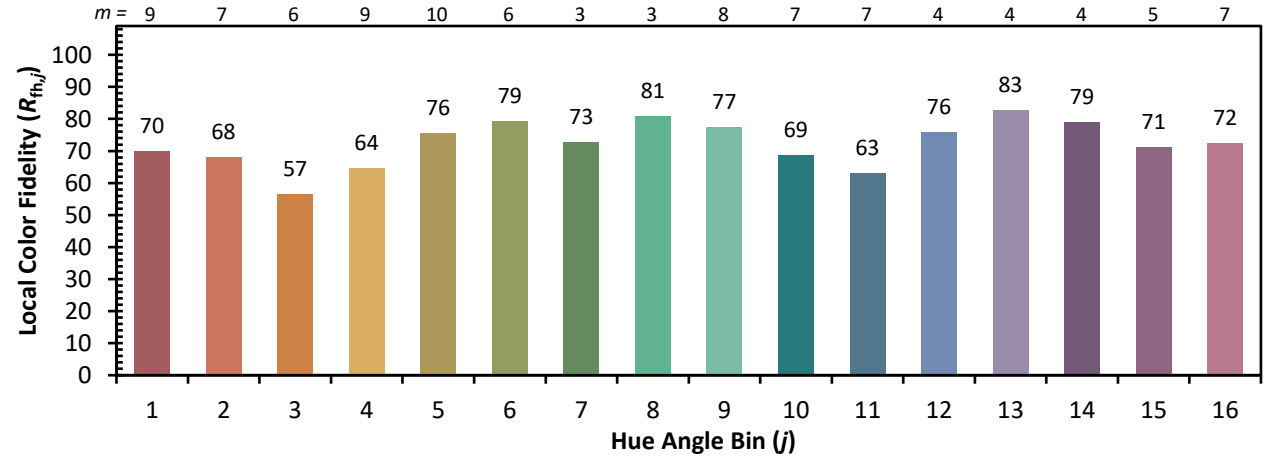
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Color Rendition by Hue-Angle Bin



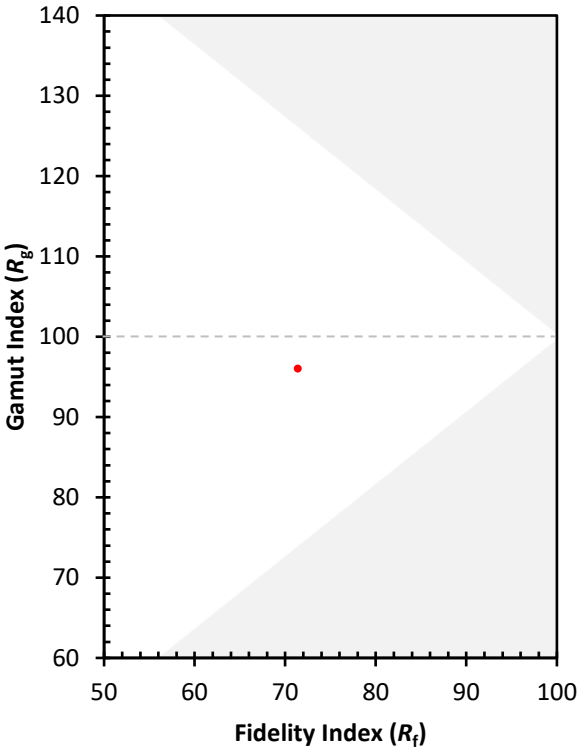


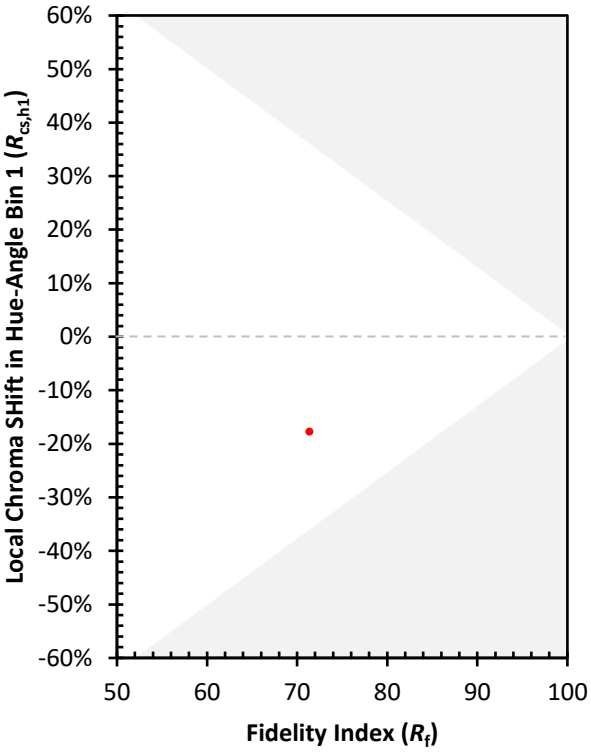


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Measure Comparisons





(END OF REPORT)