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: P1501791

Luminaire Tested: GSS-SB3C-730-U-T2LG-HSS

Issue Date: 07/20/2026

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Scaled Data Report

Test Information

Test Method:	LM-79-2024
Report Number:	P1501791
Test Lab:	INNOVATION CENTER(G1)
Issue Date:	7/20/2026
Manufacturer:	COOPER LIGHTING SOLUTIONS
Product Line:	McGRAW-EDISON
Catalog Number:	GSS-SB3C-730-U-T2LG-HSS
Description:	GALLEON II SLIM SITE HIGH DENSITY LED ARRAYS 3SQUARE 150W 70CRI 3000K FIXTURE w/ TYPE II LOW GLARE DISTRIBUTION FIXTURE W/ HOUSE SIDE SHIELD
Light Source:	(78) 3000K CCT, 70 CRI LEDS
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	16877 lumens
Efficiency:	N/A
Efficacy:	112.5 lumens/watt
Luminous Opening:	Rectangular (W 1.5' x L: 0.5' x H: 0')
IES Classification:	Type II - Short
BUG Rating:	B2 - U0 - G2

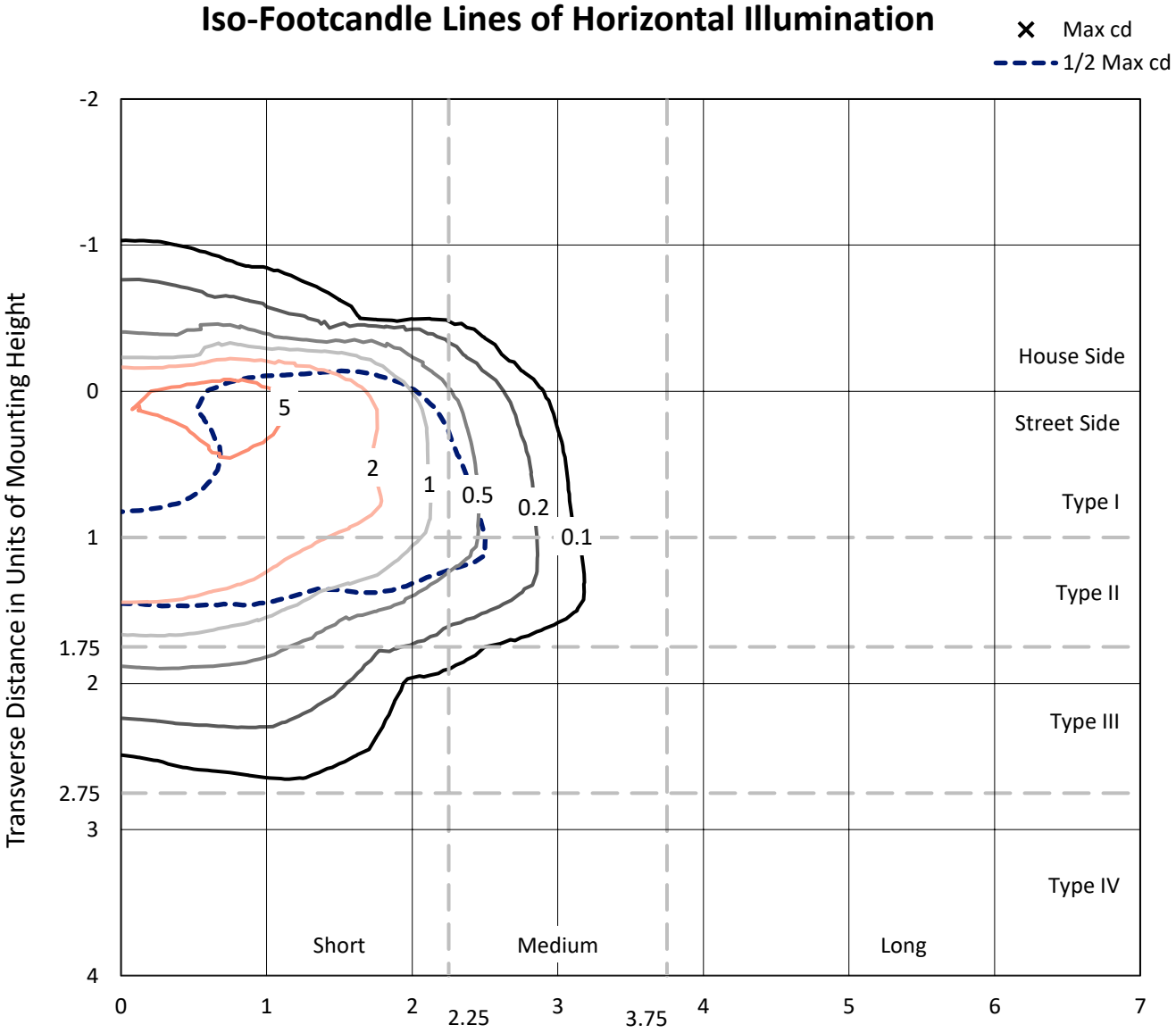
Input Watts (W):	150
Input Voltage (V):	120
Input Current (Ain):	NR
Voltage Rise (V):	NR
Power Factor:	0.98
Total Harmonic Distortion (THDi):	6.3%
Frequency (hertz):	60
Stabilization Time:	NR
Operation Time:	NR
Ambient Temperature (°C):	NR
Test Distance:	28.75 FT

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Iso-Footcandle Lines of Horizontal Illumination



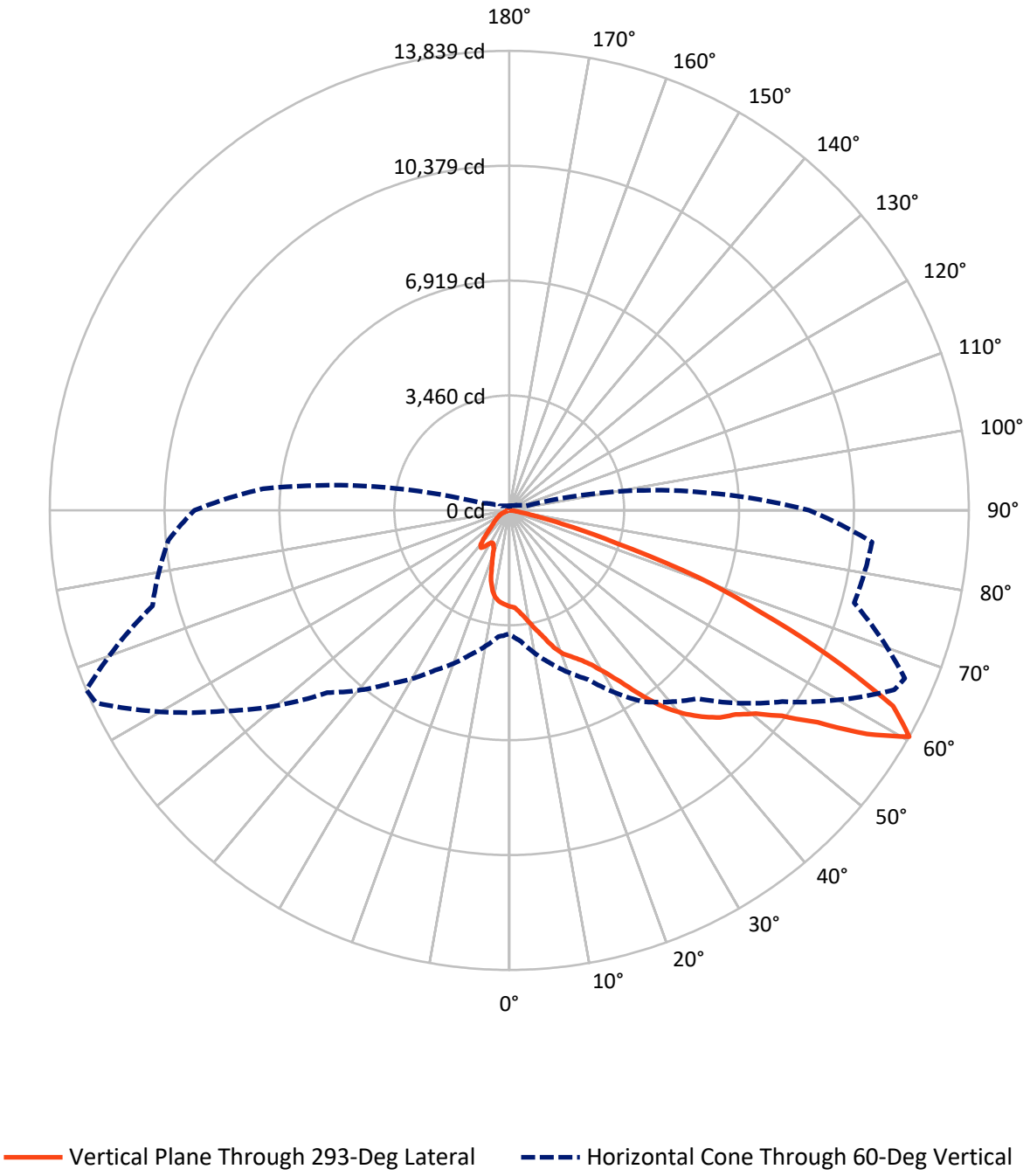
Based on 25 foot mounting height. Maximum calculated value = 7.7 fc
Type II - Short - N/A

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Luminous Intensity Polar Plot



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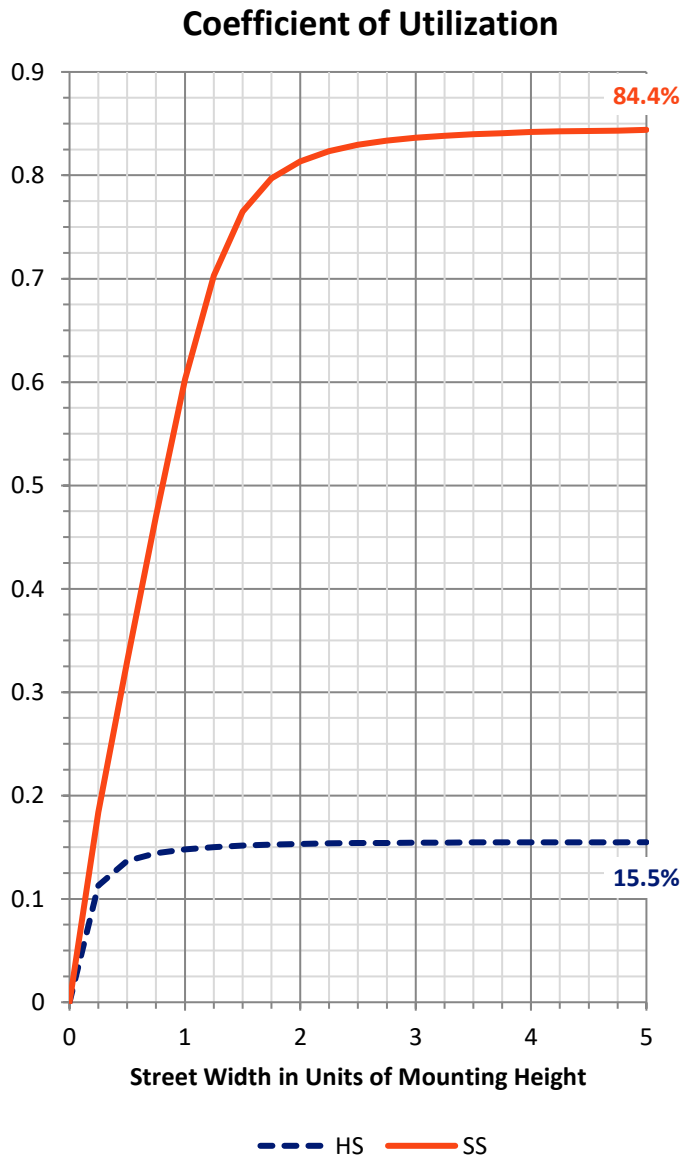
REPORT NUMBER: P1501791
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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2633.2	0.0	2633.2
	% Fixture	15.6	0.0	15.6
Street Side	Lumens	14243.8	0.0	14243.8
	% Fixture	84.4	0.0	84.4
Total	Lumens	16877.0	0.0	16877.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	261.9	1.6
10°-20°	659.7	3.9
20°-30°	1231.4	7.3
30°-40°	2442.0	14.5
40°-50°	3893.5	23.1
50°-60°	4651.8	27.6
60°-70°	3049.5	18.1
70°-80°	638.9	3.8
80°-90°	48.3	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°	16877.0	100.0
0°-180°	16877.0	100.0



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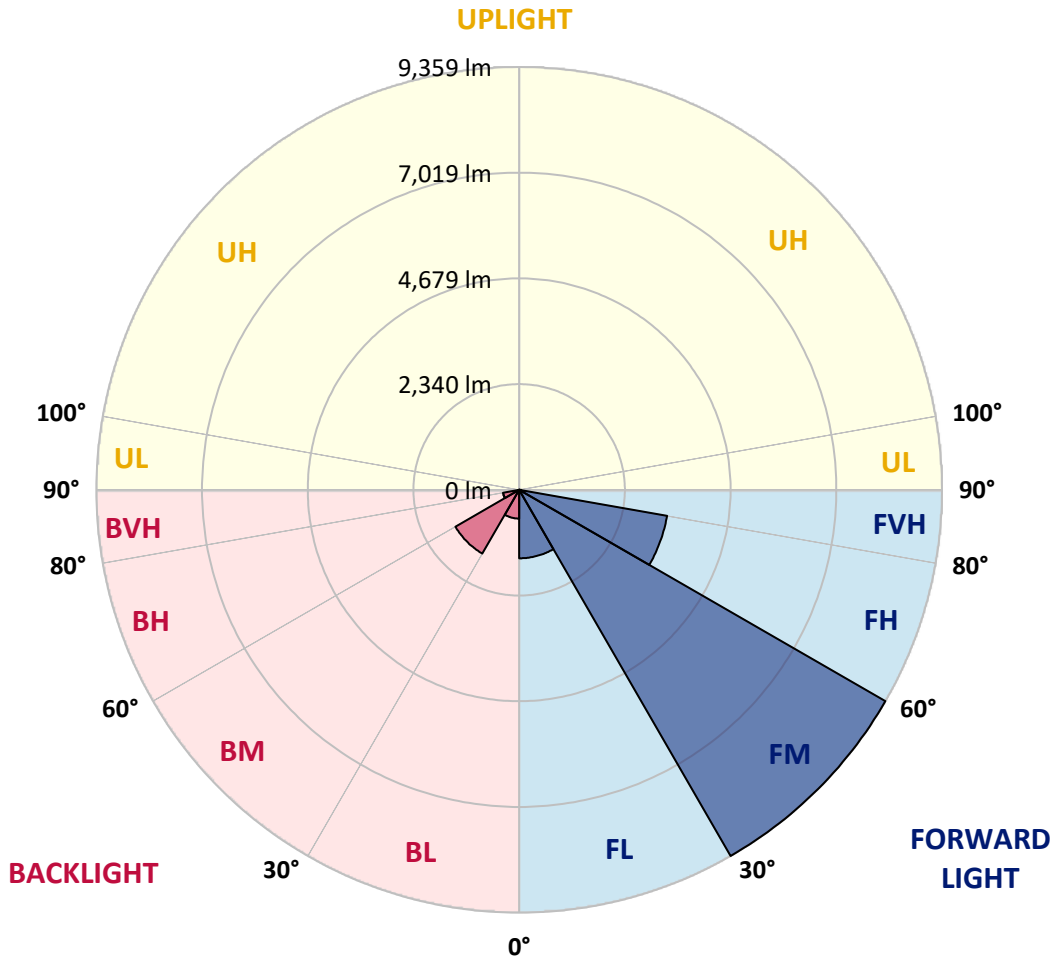
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	1515.9	9.0			
FM	(30°-60°)	9358.9	55.5			
FH	(60°-80°)	3324.7	19.7			G2/5000
FVH	(80°-90°)	44.3	0.3			G1/100
BL	(0°-30°)	637.1	3.8	B2/1000		
BM	(30°-60°)	1628.4	9.6	B2/2500		
BH	(60°-80°)	363.7	2.2	B1/500		G1/500
BVH	(80°-90°)	4.0	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°	2892.5	2892.5	2892.5	2892.5	2892.5	2892.5	2892.5	2892.5	2892.5	2892.5	2892.5
2.5°	3039.1	3029.6	3015.4	3020.2	3015.4	2996.5	2968.2	2944.5	2963.4	2935.1	2916.2
5°	3128.9	3128.9	3119.4	3119.4	3124.1	3114.7	3095.8	3062.7	3067.4	3043.8	2982.3
7.5°	3128.9	3114.7	3138.3	3161.9	3204.5	3228.1	3237.6	3218.7	3228.1	3180.9	3100.5
10°	2944.5	2935.1	2996.5	3086.3	3209.2	3317.9	3388.8	3393.5	3407.7	3360.5	3265.9
12.5°	2552.2	2533.3	2656.2	2826.4	3076.9	3327.4	3525.9	3601.5	3634.6	3615.7	3483.3
15°	2188.3	2211.9	2297.0	2481.3	2816.9	3199.8	3601.5	3852.0	3899.3	3922.9	3766.9
17.5°	2150.5	2155.2	2183.6	2273.4	2528.6	2991.8	3611.0	4111.9	4178.1	4282.1	4069.4
20°	2254.5	2245.0	2273.4	2301.7	2424.6	2807.5	3521.2	4362.4	4490.1	4712.2	4480.6
22.5°	2448.3	2448.3	2462.4	2481.3	2542.8	2793.3	3483.3	4594.0	4811.5	5265.2	4995.8
25°	2774.4	2736.6	2746.0	2722.4	2774.4	2963.4	3568.4	4778.4	5076.1	5879.6	5610.2
27.5°	3280.1	3294.3	3209.2	3081.6	3110.0	3270.7	3776.4	4986.3	5350.3	6517.7	6234.1
30°	3979.6	3956.0	3904.0	3653.5	3540.1	3681.8	4159.2	5326.6	5718.9	7325.9	7065.9
32.5°	4527.9	4594.0	4504.2	4329.4	4154.5	4197.0	4698.0	5874.9	6167.9	8067.9	7926.1
35°	5189.6	5189.6	5208.5	4962.7	4844.5	4835.1	5373.9	6470.4	6763.4	8739.1	8838.3
37.5°	6082.9	6021.4	5917.4	5643.3	5553.5	5671.7	6007.2	7084.8	7401.5	9282.6	9547.3
40°	6834.3	6876.9	6862.7	6465.7	6290.8	6418.4	6716.2	7609.5	7855.2	9632.4	10119.2
42.5°	7571.7	7595.3	7533.8	7344.8	7089.6	7099.0	7344.8	8006.5	8257.0	9967.9	10658.0
45°	8124.6	8119.9	8077.4	8030.1	7878.9	7722.9	7765.4	8446.0	8663.5	10076.6	10951.0
47.5°	8299.5	8337.3	8375.1	8507.5	8611.5	8365.7	8148.3	8682.4	8880.9	10057.7	11059.7
50°	8138.8	8219.2	8403.5	8602.0	8956.5	8937.6	8469.7	8937.6	9131.4	10161.7	11187.3
52.5°	7779.6	7860.0	8105.7	8464.9	8999.0	9263.7	9065.2	9367.7	9594.5	10426.4	11452.0
55°	6943.1	6976.1	7481.9	7954.5	8786.3	9121.9	9703.3	10095.5	10284.6	10747.8	11801.8
57.5°	5652.7	5733.1	6229.4	6999.8	8190.8	8748.5	10067.2	11338.6	11333.9	11055.0	11877.4
60°	*3719.7*	*3956.0*	*4764.2*	*5614.9*	*7037.6*	*8015.9*	*10043.6*	*12794.3*	*12940.8*	*10752.5*	*10965.2*
62.5°	2840.6	2939.8	3398.3	4107.2	5208.5	6645.3	9887.6	13229.1	13342.6	9939.6	9599.3
65°	2136.3	2259.2	2698.8	3332.1	3677.1	4504.2	8866.7	11499.3	11655.3	8871.4	7463.0
67.5°	1309.2	1408.5	1994.5	2736.6	2783.8	2798.0	5983.6	8710.7	8767.4	7155.7	5024.1
70°	874.4	973.6	1380.1	2103.2	2216.7	1611.7	3284.8	6593.3	6588.6	4896.5	3053.2
72.5°	505.7	553.0	874.4	1550.3	1744.0	1025.6	1640.1	4192.3	4008.0	2301.7	1427.4
75°	288.3	321.4	482.1	997.3	1224.1	652.2	647.5	2245.0	1985.1	1186.3	779.9
77.5°	174.9	189.1	264.7	652.2	737.3	439.6	359.2	1044.5	1006.7	694.8	411.2
80°	85.1	99.3	160.7	382.8	472.6	236.3	217.4	411.2	439.6	382.8	217.4
82.5°	28.4	37.8	89.8	146.5	307.2	94.5	89.8	226.9	241.0	226.9	104.0
85°	14.2	18.9	42.5	47.3	118.2	47.3	33.1	99.3	122.9	75.6	42.5
87.5°	0.0	4.7	4.7	4.7	4.7	4.7	4.7	9.5	9.5	9.5	9.5
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°	2892.5	2892.5	2892.5	2892.5	2892.5	2892.5	2892.5	2892.5	2892.5	2892.5	2892.5
2.5°	2902.0	2892.5	2873.6	2840.6	2835.8	2812.2	2774.4	2750.8	2731.8	2746.0	2750.8
5°	2954.0	2930.4	2873.6	2783.8	2689.3	2594.8	2505.0	2401.0	2330.1	2320.7	2301.7
7.5°	3048.5	3001.3	2878.4	2703.5	2462.4	2235.6	1970.9	1715.7	1588.1	1569.2	1526.6
10°	3199.8	3119.4	2916.2	2561.7	2098.5	1625.9	1224.1	950.0	794.0	765.7	775.1
12.5°	3379.4	3265.9	2920.9	2320.7	1597.5	1006.7	694.8	590.8	557.7	543.5	543.5
15°	3611.0	3445.5	2916.2	2008.7	1077.6	647.5	557.7	515.2	501.0	491.5	491.5
17.5°	3904.0	3686.6	2883.1	1540.8	727.9	562.4	510.4	477.4	458.5	453.7	453.7
20°	4249.0	3956.0	2807.5	1148.5	609.7	524.6	482.1	439.6	425.4	415.9	415.9
22.5°	4688.6	4282.1	2661.0	893.3	576.6	501.0	453.7	406.5	392.3	382.8	382.8
25°	5199.0	4698.0	2467.2	803.5	571.9	482.1	425.4	378.1	363.9	359.2	354.5
27.5°	5804.0	5142.3	2287.6	808.2	581.3	467.9	397.0	354.5	340.3	326.1	330.8
30°	6517.7	5600.8	2141.0	864.9	590.8	453.7	378.1	340.3	326.1	307.2	307.2
32.5°	7221.9	6139.6	2126.9	968.9	623.9	444.3	359.2	321.4	307.2	293.0	293.0
35°	7945.0	6631.1	2207.2	1106.0	690.1	430.1	335.6	302.5	288.3	278.9	274.1
37.5°	8635.1	7023.4	2282.8	1191.0	652.2	368.7	307.2	278.9	264.7	245.8	245.8
40°	9093.6	7236.1	2297.0	1124.9	538.8	330.8	278.9	250.5	231.6	222.1	217.4
42.5°	9429.1	7373.2	2136.3	912.2	467.9	302.5	255.2	226.9	212.7	203.2	203.2
45°	9566.2	7325.9	1862.2	694.8	430.1	278.9	231.6	208.0	198.5	189.1	189.1
47.5°	9547.3	7108.5	1583.3	557.7	392.3	255.2	217.4	198.5	189.1	179.6	174.9
50°	9514.2	6905.2	1299.8	496.3	349.8	241.0	203.2	189.1	174.9	165.4	160.7
52.5°	9731.6	6839.1	1077.6	453.7	326.1	231.6	198.5	179.6	165.4	156.0	156.0
55°	9949.0	6867.4	846.0	425.4	302.5	226.9	193.8	174.9	160.7	146.5	146.5
57.5°	9934.8	6744.5	642.8	397.0	283.6	222.1	189.1	170.1	146.5	137.1	137.1
60°	*9032.1*	*6016.7*	*501.0*	*363.9*	*260.0*	*208.0*	*174.9*	*160.7*	*137.1*	*122.9*	*122.9*
62.5°	7637.8	4731.1	411.2	321.4	231.6	189.1	160.7	146.5	122.9	99.3	99.3
65°	5643.3	3412.4	330.8	278.9	212.7	165.4	146.5	127.6	99.3	80.3	75.6
67.5°	3818.9	2098.5	264.7	231.6	189.1	141.8	122.9	108.7	89.8	66.2	61.4
70°	2263.9	1115.4	193.8	160.7	141.8	104.0	104.0	94.5	75.6	56.7	52.0
72.5°	1077.6	387.6	141.8	118.2	108.7	75.6	80.3	80.3	61.4	42.5	37.8
75°	548.3	189.1	94.5	85.1	70.9	56.7	66.2	61.4	42.5	28.4	28.4
77.5°	311.9	132.3	66.2	56.7	47.3	37.8	42.5	37.8	23.6	14.2	14.2
80°	174.9	94.5	42.5	37.8	28.4	23.6	23.6	18.9	14.2	4.7	4.7
82.5°	66.2	56.7	28.4	18.9	14.2	14.2	9.5	9.5	4.7	0.0	0.0
85°	28.4	14.2	14.2	9.5	9.5	4.7	4.7	4.7	0.0	0.0	0.0
87.5°	4.7	4.7	4.7	4.7	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°	2892.5	2892.5	2892.5	2892.5	2892.5	2892.5	2892.5	2892.5	2892.5	2892.5	2892.5
2.5°	2712.9	2722.4	2731.8	2769.7	2779.1	2807.5	2831.1	2859.5	2864.2	2902.0	2902.0
5°	2339.6	2334.8	2415.2	2533.3	2609.0	2712.9	2793.3	2878.4	2925.6	2987.1	3015.4
7.5°	1550.3	1668.4	1848.0	2056.0	2325.4	2575.9	2764.9	2930.4	3043.8	3114.7	3143.0
10°	770.4	836.6	1025.6	1365.9	1824.4	2334.8	2736.6	3043.8	3228.1	3308.5	3360.5
12.5°	543.5	557.7	590.8	775.1	1214.7	1937.8	2646.8	3166.7	3421.9	3573.1	3639.3
15°	486.8	496.3	510.4	562.4	751.5	1446.3	2486.1	3303.7	3724.4	3899.3	3984.3
17.5°	449.0	453.7	467.9	510.4	590.8	983.1	2226.1	3450.3	4088.3	4301.0	4461.7
20°	415.9	415.9	430.1	482.1	548.3	756.2	1852.7	3615.7	4551.5	4858.7	5019.4
22.5°	378.1	387.6	397.0	453.7	534.1	690.1	1503.0	3743.3	5066.7	5440.1	5629.1
25°	349.8	359.2	368.7	425.4	519.9	690.1	1299.8	3823.6	5643.3	6087.6	6347.5
27.5°	326.1	335.6	349.8	406.5	505.7	718.4	1219.4	3847.3	6271.9	6848.5	7198.3
30°	307.2	316.7	330.8	392.3	515.2	751.5	1247.8	3814.2	6910.0	7633.1	8049.0
32.5°	288.3	297.8	311.9	378.1	515.2	794.0	1342.3	3748.0	7529.1	8417.7	8928.1
35°	274.1	278.9	283.6	340.3	467.9	789.3	1460.5	3681.8	8153.0	9192.8	9788.3
37.5°	245.8	250.5	260.0	293.0	373.4	718.4	1484.1	3601.5	8644.5	9845.0	10502.0
40°	217.4	226.9	236.3	269.4	311.9	581.3	1380.1	3431.4	8904.5	10346.0	11144.8
42.5°	198.5	203.2	212.7	245.8	288.3	463.2	1158.0	3133.6	9136.1	10686.3	11612.7
45°	184.3	189.1	198.5	222.1	269.4	401.7	912.2	2769.7	9155.0	10795.1	11839.6
47.5°	170.1	174.9	179.6	203.2	260.0	359.2	699.5	2438.8	9150.3	10936.8	12033.4
50°	160.7	165.4	174.9	193.8	245.8	321.4	576.6	2169.4	9348.8	11244.1	12425.7
52.5°	156.0	156.0	170.1	189.1	231.6	293.0	482.1	1928.4	9452.8	11546.5	12709.2
55°	146.5	151.2	160.7	179.6	217.4	278.9	411.2	1625.9	9500.0	11697.8	12761.2
57.5°	137.1	141.8	156.0	170.1	208.0	264.7	354.5	1214.7	8824.2	10908.5	11891.6
60°	*122.9*	*132.3*	*151.2*	*165.4*	*193.8*	*241.0*	*311.9*	*822.4*	*7444.0*	*9481.1*	*10303.5*
62.5°	99.3	118.2	137.1	146.5	174.9	203.2	264.7	548.3	5945.8	7845.8	8781.6
65°	75.6	99.3	113.4	127.6	146.5	170.1	222.1	373.4	3965.4	5279.4	6333.3
67.5°	66.2	85.1	94.5	104.0	122.9	146.5	179.6	260.0	2405.7	3171.4	4211.2
70°	52.0	70.9	80.3	75.6	94.5	113.4	127.6	174.9	1228.9	1720.4	2396.3
72.5°	37.8	56.7	61.4	61.4	56.7	80.3	94.5	122.9	534.1	836.6	1087.1
75°	28.4	37.8	42.5	37.8	33.1	52.0	66.2	80.3	349.8	501.0	633.3
77.5°	14.2	14.2	23.6	23.6	14.2	28.4	33.1	47.3	198.5	293.0	363.9
80°	4.7	0.0	0.0	4.7	0.0	9.5	14.2	23.6	104.0	156.0	226.9
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.7	52.0	47.3	118.2
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	9.5	28.4
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

Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

Scaled Data Report

REPORT NUMBER: P1501791
CATALOG NUMBER: GSS-SB3C-730-U-T2LG-HSS

CANDELA DISTRIBUTION (continued):

	285°	293°	295°	305°	315°	325°	335°	345°	355°	360°
0°	2892.5	*2892.5*	2892.5	2892.5	2892.5	2892.5	2892.5	2892.5	2892.5	2892.5
2.5°	2925.6	*2925.6*	2944.5	2972.9	2987.1	2996.5	3001.3	3010.7	3048.5	3039.1
5°	3048.5	*3058.0*	3072.1	3100.5	3133.6	3124.1	3124.1	3124.1	3147.8	3128.9
7.5°	3209.2	*3237.6*	3242.3	3275.4	3251.7	3204.5	3176.1	3133.6	3128.9	3128.9
10°	3469.2	*3459.7*	3459.7	3417.2	3332.1	3195.0	3072.1	2987.1	2939.8	2944.5
12.5°	3748.0	*3710.2*	3714.9	3559.0	3317.9	3015.4	2764.9	2580.6	2566.4	2552.2
15°	4093.0	*3993.8*	3974.9	3615.7	3105.2	2642.0	2396.3	2249.8	2202.5	2188.3
17.5°	4584.6	*4334.1*	4244.3	3516.4	2826.4	2410.5	2226.1	2160.0	2155.2	2150.5
20°	5104.5	*4608.2*	4438.1	3369.9	2731.8	2415.2	2278.1	2259.2	2249.8	2254.5
22.5°	5709.5	*4783.1*	4565.7	3393.5	2816.9	2571.2	2462.4	2448.3	2438.8	2448.3
25°	6333.3	*4986.3*	4716.9	3582.6	3072.1	2859.5	2731.8	2703.5	2731.8	2774.4
27.5°	6962.0	*5260.5*	5014.7	3956.0	3483.3	3251.7	3128.9	3232.8	3275.4	3280.1
30°	7519.7	*5643.3*	5416.4	4480.6	3951.3	3719.7	3743.3	3875.6	3927.6	3979.6
32.5°	8030.1	*6153.7*	5978.9	5076.1	4556.2	4419.2	4405.0	4504.2	4561.0	4527.9
35°	8545.3	*6820.2*	6650.0	5723.6	5298.3	5184.8	5066.7	5260.5	5241.6	5189.6
37.5°	9032.1	*7491.3*	7335.3	6418.4	5978.9	5780.4	5761.5	5936.3	6092.3	6082.9
40°	9381.9	*8034.8*	7845.8	7108.5	6692.6	6522.4	6621.7	6924.1	6886.3	6834.3
42.5°	9703.3	*8498.0*	8327.9	7713.5	7278.6	7354.2	7444.0	7647.3	7623.6	7571.7
45°	9854.5	*8895.0*	8748.5	8171.9	7959.2	8200.3	8195.5	8271.2	8143.6	8124.6
47.5°	10067.2	*9178.6*	9027.4	8583.1	8772.2	8871.4	8592.6	8512.2	8394.0	8299.5
50°	10459.5	*9618.2*	9466.9	9207.0	9367.7	9060.5	8720.2	8545.3	8304.2	8138.8
52.5°	10917.9	*10284.6*	10152.3	10048.3	9599.3	8965.9	8531.1	8214.4	7921.4	7779.6
55°	11494.6	*11267.7*	11173.2	10601.3	9391.3	8578.4	8067.9	7477.1	7075.4	6943.1
57.5°	11683.6	*12709.2*	12676.1	10691.1	8810.0	7874.1	6952.5	6153.7	5737.8	5652.7
60°	*11125.9*	*13838.8*	*13720.7*	*10539.8*	*7756.0*	*6390.1*	*5312.5*	*4494.8*	*3818.9*	*3719.7*
62.5°	10412.2	*12973.9*	12931.4	9778.9	5908.0	4579.9	3970.2	3204.5	2916.2	2840.6
65°	8918.7	*10615.4*	10634.4	7845.8	3738.6	3289.6	3261.2	2547.5	2193.0	2136.3
67.5°	6867.4	*8143.6*	8011.2	4934.3	2178.9	2632.6	2604.2	1862.2	1347.0	1309.2
70°	4012.7	*6063.9*	5851.3	2566.4	1441.5	2197.8	2004.0	1309.2	916.9	874.4
72.5°	1772.4	*3336.8*	3582.6	1129.6	1016.2	1748.8	1446.3	803.5	515.2	505.7
75°	983.1	*1654.2*	1729.9	491.5	713.7	1243.0	874.4	449.0	293.0	288.3
77.5°	590.8	*732.6*	713.7	316.7	534.1	794.0	529.4	255.2	184.3	174.9
80°	330.8	*335.6*	283.6	231.6	316.7	444.3	297.8	160.7	85.1	85.1
82.5°	203.2	*184.3*	146.5	70.9	85.1	269.4	108.7	89.8	28.4	28.4
85°	85.1	*56.7*	37.8	14.2	33.1	70.9	37.8	42.5	14.2	14.2
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: SP1-2407-184-4

Test Date: 10/10/2024

Luminaire Tested: GSS-SB1A-730-U-5WQ

Data in this report applies to families of products including GSS-SB1A-730-U-5WQ

Report Generated By FNC07603 / LDUCLS01DT446
Version: v7.04

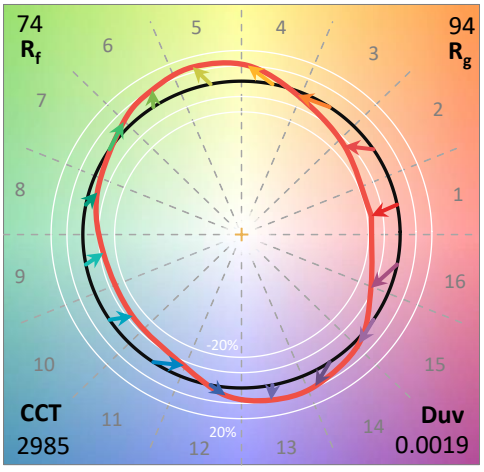
Test Information

Test Method:	LM-79-2019
Report Number:	SP1-2407-184-4
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-730-U-5WQ**
Description:	GALLEON II SITE SLIM 1SQ 350MA 5WQ HIGH DENSITY LIGHTSQUARE WITH 70 CRI 3000K CCT 26 LEDS

Spectral Parameters

CCT (K):	2985
CIE u':	0.2504
CIE v':	0.5243
Duv:	0.0019
CIE x:	0.4408
CIE y:	0.4101
CIE z:	0.1491
Peak Wavelength (nm):	595
Dominant Wavelength (nm):	582
Purity:	55.41818
Rf:	73.8
Rg:	94.4

CRI (Ra):	70.8
R1:	66.3
R2:	80.6
R3:	94.5
R4:	68.2
R5:	66.5
R6:	74.7
R7:	76.2
R8:	39.6
R9:	-43.2
R10:	57.6
R11:	64.8
R12:	53.5
R13:	68.7
R14:	97.0
R15:	56.4



Test Conditions

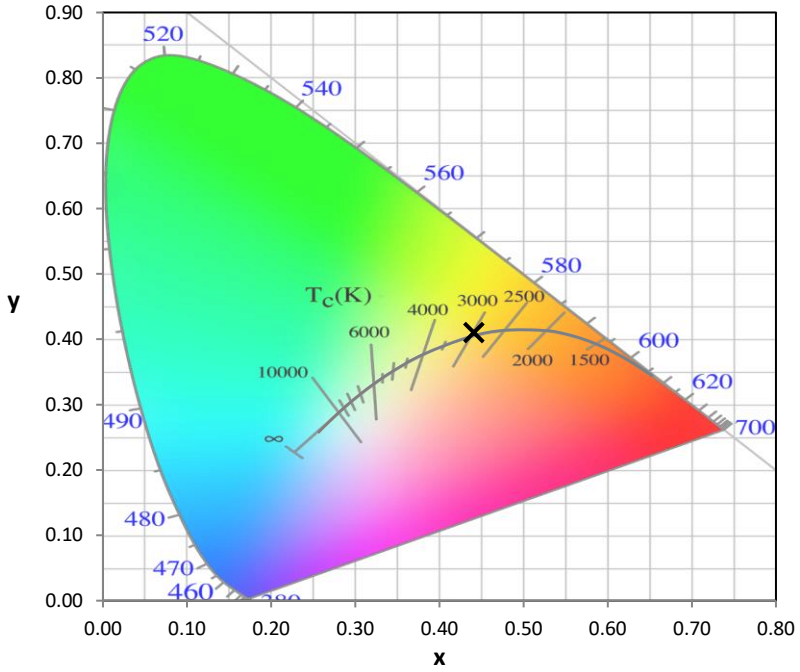
Stabilization Time:	36M
Operation Time:	1H 36M
Sphere Temperature (°C):	25.2

REPORT NUMBER: SP1-2407-184-4

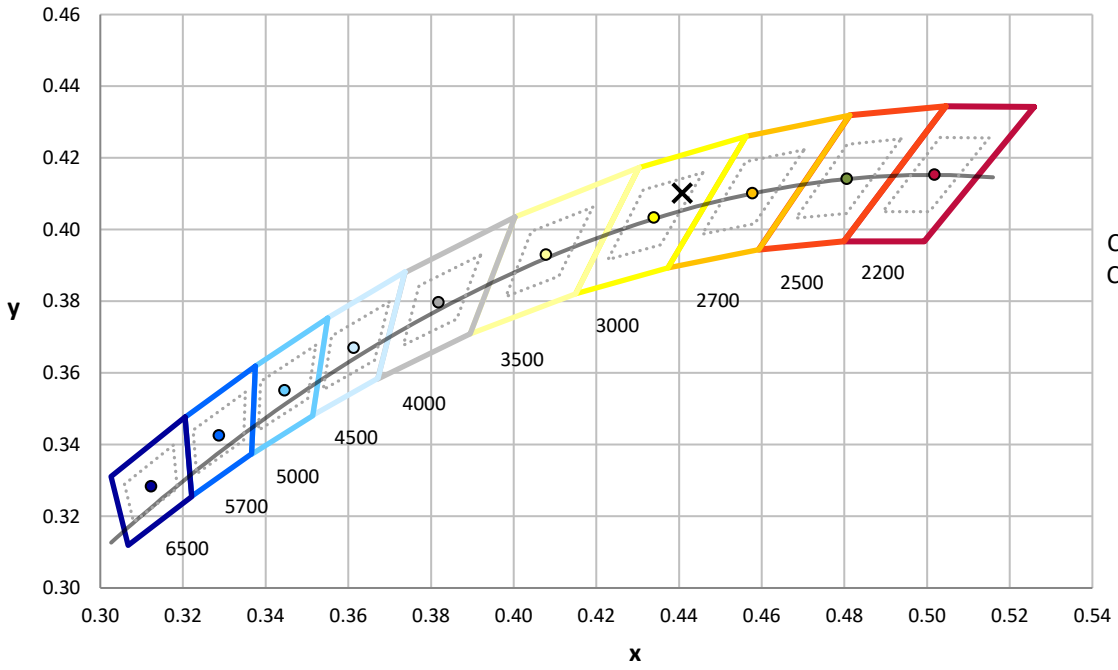
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

REPORT NUMBER: SP1-2407-184-4

CIE 1931 Chromaticity Diagram



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

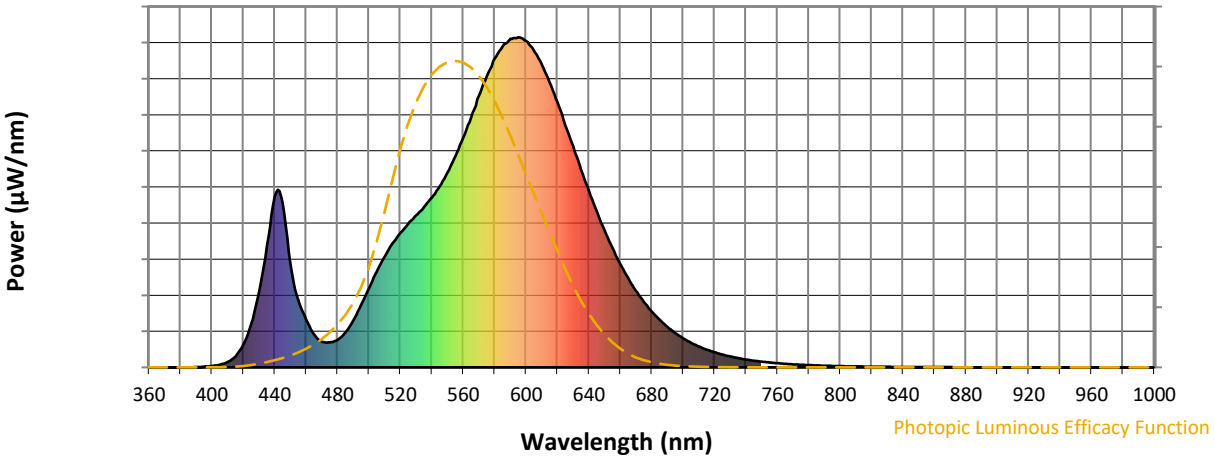


CCT = 2985K
CIE x = 0.4408
CIE y = 0.4101
Duv = 0.0019

Point lies inside the ANSI 3000K 4-step quadrangle

REPORT NUMBER: SP1-2407-184-4

Photopic Flux vs. Wavelength

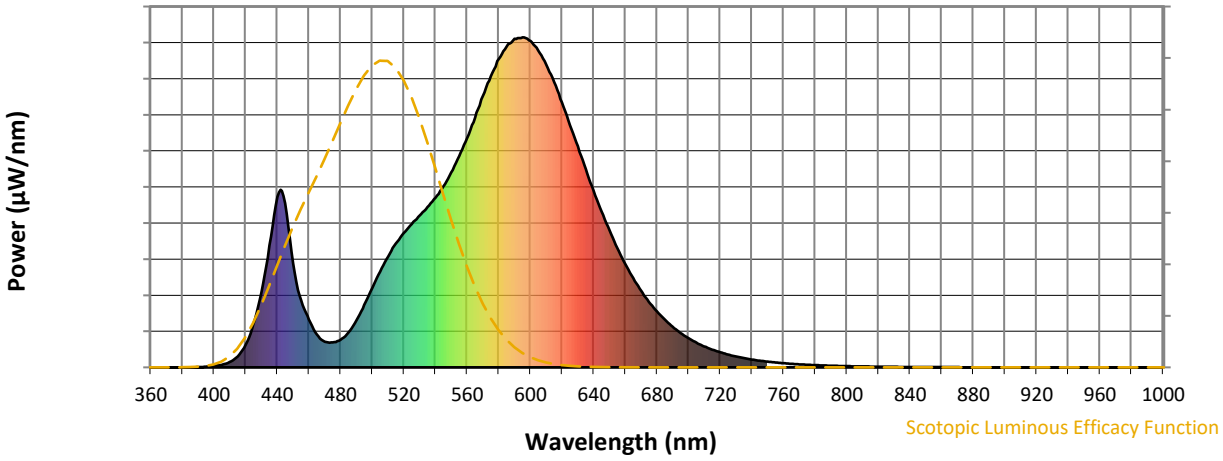


Photopic Lumens: NR

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	142	NR	620	803	NR	750	17	NR	880	0	NR
365	0	NR	495	189	NR	625	734	NR	755	15	NR	885	0	NR
370	0	NR	500	240	NR	630	670	NR	760	13	NR	890	0	NR
375	0	NR	505	290	NR	635	600	NR	765	11	NR	895	0	NR
380	0	NR	510	335	NR	640	535	NR	770	9	NR	900	0	NR
385	0	NR	515	375	NR	645	473	NR	775	8	NR	905	0	NR
390	1	NR	520	408	NR	650	415	NR	780	7	NR	910	0	NR
395	2	NR	525	434	NR	655	362	NR	785	6	NR	915	0	NR
400	4	NR	530	461	NR	660	313	NR	790	5	NR	920	0	NR
405	8	NR	535	486	NR	665	271	NR	795	4	NR	925	0	NR
410	16	NR	540	514	NR	670	231	NR	800	4	NR	930	0	NR
415	33	NR	545	549	NR	675	198	NR	805	3	NR	935	0	NR
420	69	NR	550	591	NR	680	169	NR	810	3	NR	940	0	NR
425	131	NR	555	640	NR	685	144	NR	815	2	NR	945	0	NR
430	227	NR	560	695	NR	690	123	NR	820	2	NR	950	0	NR
435	369	NR	565	757	NR	695	104	NR	825	2	NR	955	0	NR
440	517	NR	570	822	NR	700	88	NR	830	2	NR	960	0	NR
445	498	NR	575	882	NR	705	75	NR	835	1	NR	965	0	NR
450	315	NR	580	935	NR	710	63	NR	840	1	NR	970	0	NR
455	204	NR	585	972	NR	715	54	NR	845	1	NR	975	0	NR
460	145	NR	590	996	NR	720	46	NR	850	1	NR	980	0	NR
465	100	NR	595	1000	NR	725	39	NR	855	1	NR	985	0	NR
470	78	NR	600	989	NR	730	33	NR	860	1	NR	990	0	NR
475	76	NR	605	960	NR	735	28	NR	865	1	NR	995	0	NR
480	83	NR	610	918	NR	740	24	NR	870	1	NR	1000	0	NR
485	105	NR	615	864	NR	745	20	NR	875	1	NR			

REPORT NUMBER: SP1-2407-184-4

Scotopic Flux vs. Wavelength

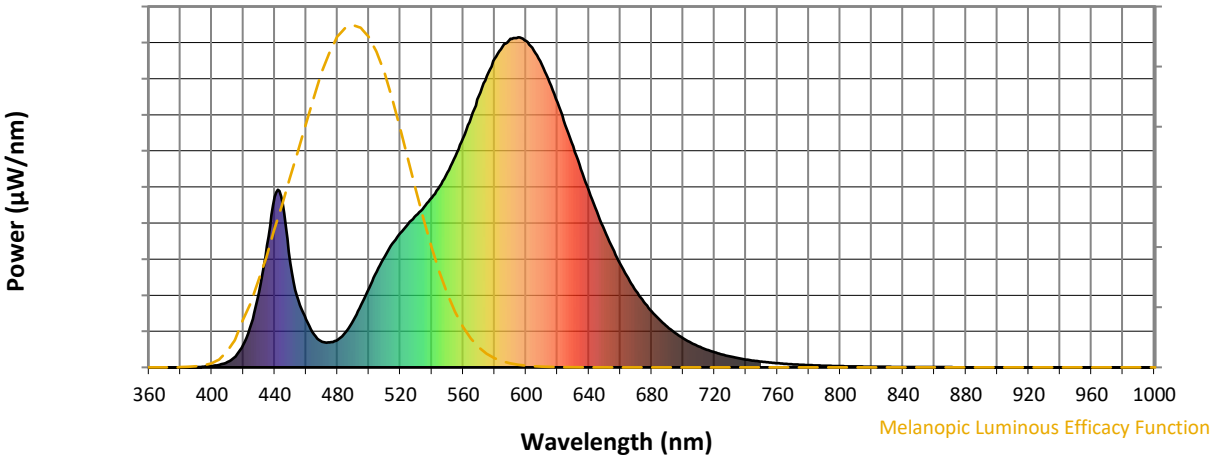


Scotopic Lumens: NR **S/P: 1.19**

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	142	NR	620	803	NR	750	17	NR	880	0	NR
365	0	NR	495	189	NR	625	734	NR	755	15	NR	885	0	NR
370	0	NR	500	240	NR	630	670	NR	760	13	NR	890	0	NR
375	0	NR	505	290	NR	635	600	NR	765	11	NR	895	0	NR
380	0	NR	510	335	NR	640	535	NR	770	9	NR	900	0	NR
385	0	NR	515	375	NR	645	473	NR	775	8	NR	905	0	NR
390	1	NR	520	408	NR	650	415	NR	780	7	NR	910	0	NR
395	2	NR	525	434	NR	655	362	NR	785	6	NR	915	0	NR
400	4	NR	530	461	NR	660	313	NR	790	5	NR	920	0	NR
405	8	NR	535	486	NR	665	271	NR	795	4	NR	925	0	NR
410	16	NR	540	514	NR	670	231	NR	800	4	NR	930	0	NR
415	33	NR	545	549	NR	675	198	NR	805	3	NR	935	0	NR
420	69	NR	550	591	NR	680	169	NR	810	3	NR	940	0	NR
425	131	NR	555	640	NR	685	144	NR	815	2	NR	945	0	NR
430	227	NR	560	695	NR	690	123	NR	820	2	NR	950	0	NR
435	369	NR	565	757	NR	695	104	NR	825	2	NR	955	0	NR
440	517	NR	570	822	NR	700	88	NR	830	2	NR	960	0	NR
445	498	NR	575	882	NR	705	75	NR	835	1	NR	965	0	NR
450	315	NR	580	935	NR	710	63	NR	840	1	NR	970	0	NR
455	204	NR	585	972	NR	715	54	NR	845	1	NR	975	0	NR
460	145	NR	590	996	NR	720	46	NR	850	1	NR	980	0	NR
465	100	NR	595	1000	NR	725	39	NR	855	1	NR	985	0	NR
470	78	NR	600	989	NR	730	33	NR	860	1	NR	990	0	NR
475	76	NR	605	960	NR	735	28	NR	865	1	NR	995	0	NR
480	83	NR	610	918	NR	740	24	NR	870	1	NR	1000	0	NR
485	105	NR	615	864	NR	745	20	NR	875	1	NR			

REPORT NUMBER: SP1-2407-184-4

Melanopic Flux vs. Wavelength



Melanopic Lumens: NR **M/P: 2.13**

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	142	NR	620	803	NR	750	17	NR	880	0	NR
365	0	NR	495	189	NR	625	734	NR	755	15	NR	885	0	NR
370	0	NR	500	240	NR	630	670	NR	760	13	NR	890	0	NR
375	0	NR	505	290	NR	635	600	NR	765	11	NR	895	0	NR
380	0	NR	510	335	NR	640	535	NR	770	9	NR	900	0	NR
385	0	NR	515	375	NR	645	473	NR	775	8	NR	905	0	NR
390	1	NR	520	408	NR	650	415	NR	780	7	NR	910	0	NR
395	2	NR	525	434	NR	655	362	NR	785	6	NR	915	0	NR
400	4	NR	530	461	NR	660	313	NR	790	5	NR	920	0	NR
405	8	NR	535	486	NR	665	271	NR	795	4	NR	925	0	NR
410	16	NR	540	514	NR	670	231	NR	800	4	NR	930	0	NR
415	33	NR	545	549	NR	675	198	NR	805	3	NR	935	0	NR
420	69	NR	550	591	NR	680	169	NR	810	3	NR	940	0	NR
425	131	NR	555	640	NR	685	144	NR	815	2	NR	945	0	NR
430	227	NR	560	695	NR	690	123	NR	820	2	NR	950	0	NR
435	369	NR	565	757	NR	695	104	NR	825	2	NR	955	0	NR
440	517	NR	570	822	NR	700	88	NR	830	2	NR	960	0	NR
445	498	NR	575	882	NR	705	75	NR	835	1	NR	965	0	NR
450	315	NR	580	935	NR	710	63	NR	840	1	NR	970	0	NR
455	204	NR	585	972	NR	715	54	NR	845	1	NR	975	0	NR
460	145	NR	590	996	NR	720	46	NR	850	1	NR	980	0	NR
465	100	NR	595	1000	NR	725	39	NR	855	1	NR	985	0	NR
470	78	NR	600	989	NR	730	33	NR	860	1	NR	990	0	NR
475	76	NR	605	960	NR	735	28	NR	865	1	NR	995	0	NR
480	83	NR	610	918	NR	740	24	NR	870	1	NR	1000	0	NR
485	105	NR	615	864	NR	745	20	NR	875	1	NR			

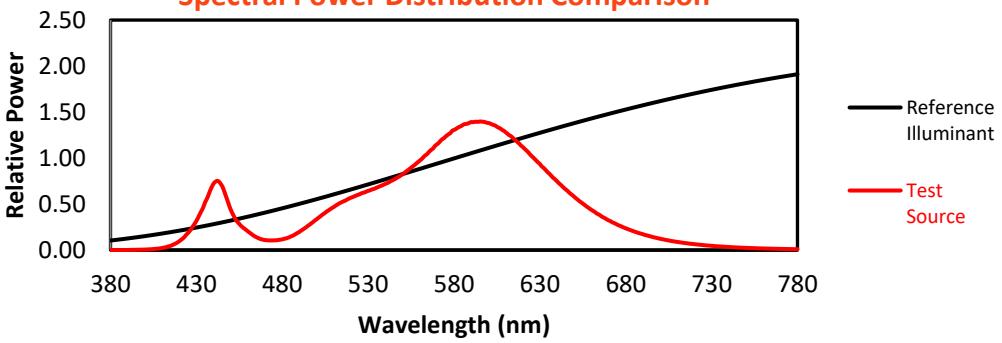
REPORT NUMBER: SP1-2407-184-4

TM-30-18

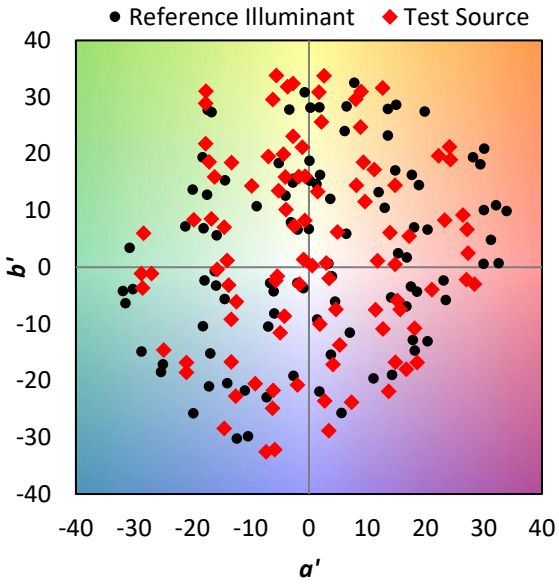
Summary

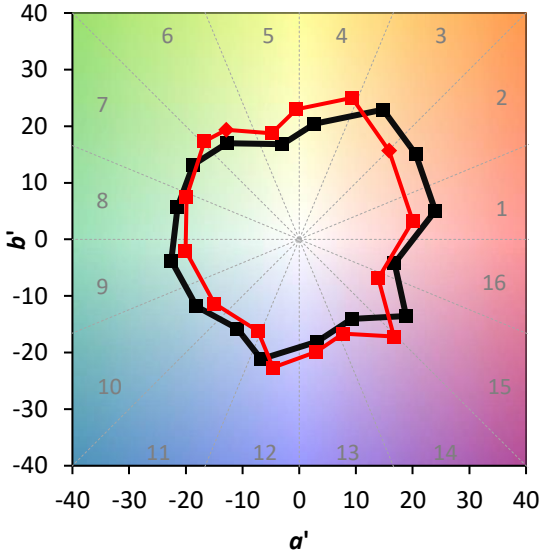
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R_g = 94.4
CIE R_a = 70.8
R_9 = -43.2

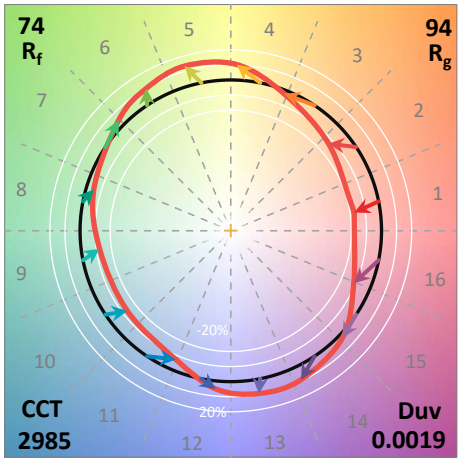
Spectral Power Distribution Comparison

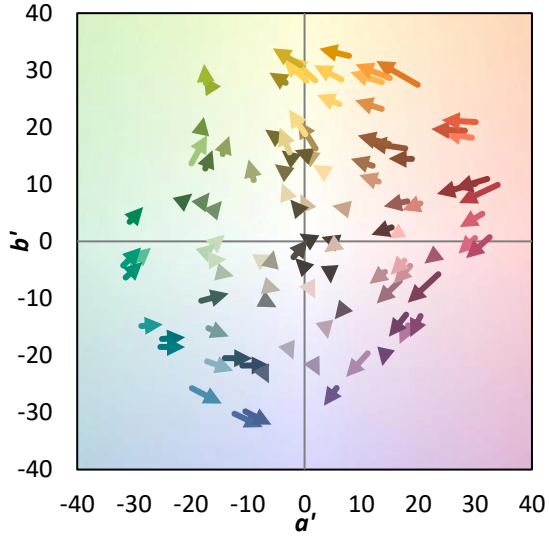


Color Vector Graphics







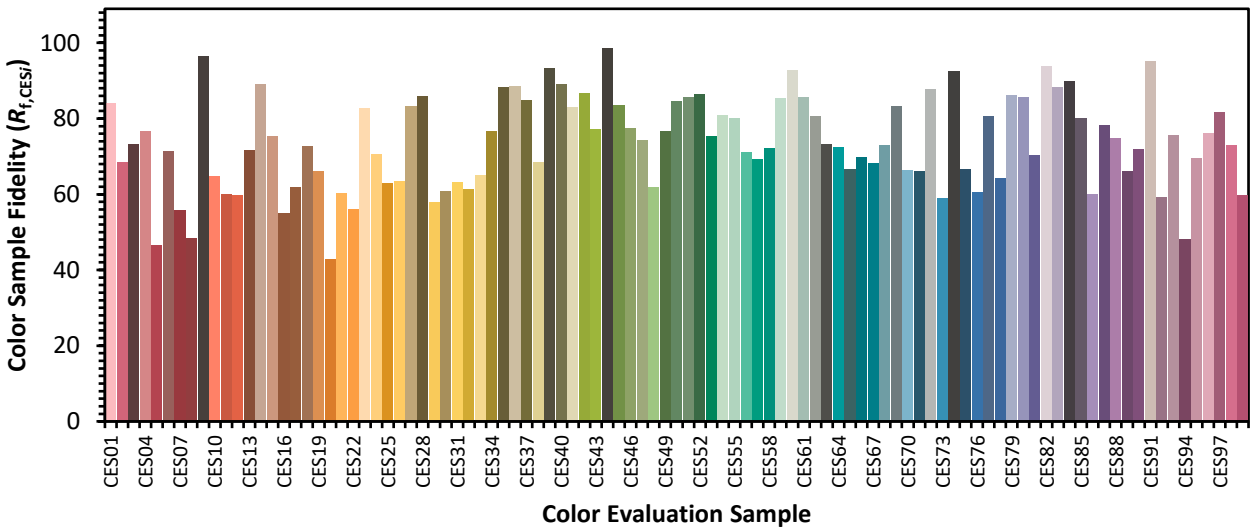


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Individual Sample Fidelity Index ($R_{f,i}$)

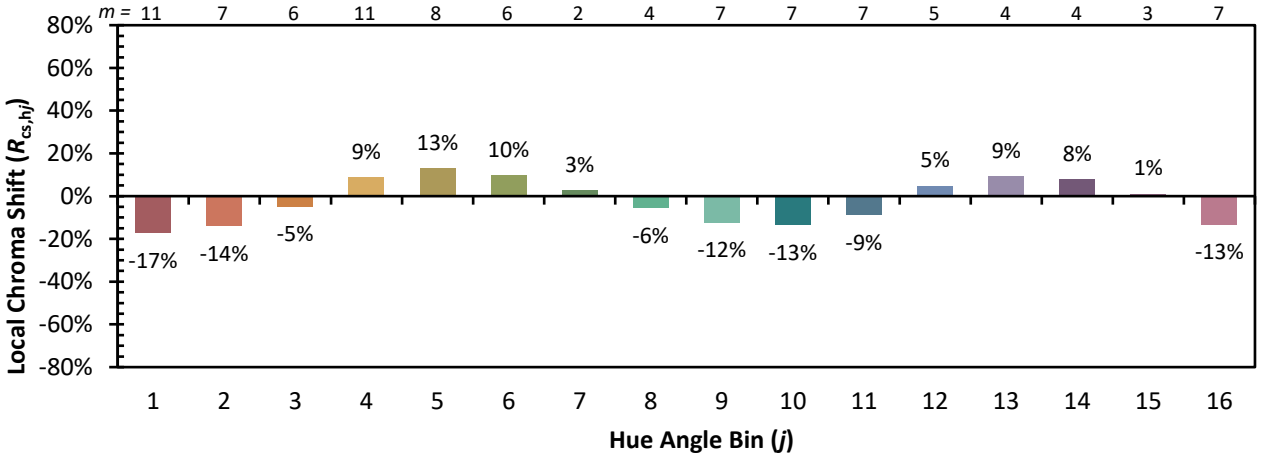
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CES02 = 62	CES27 = 83	CES52 = 86	CES77 = 81
CES03 = 31	CES28 = 86	CES53 = 75	CES78 = 64
CES04 = 71	CES29 = 58	CES54 = 81	CES79 = 86
CES05 = 49	CES30 = 61	CES55 = 80	CES80 = 86
CES06 = 51	CES31 = 63	CES56 = 71	CES81 = 70
CES07 = 41	CES32 = 61	CES57 = 69	CES82 = 94
CES08 = 40	CES33 = 65	CES58 = 72	CES83 = 88
CES09 = 29	CES34 = 77	CES59 = 85	CES84 = 90
CES10 = 76	CES35 = 88	CES60 = 93	CES85 = 80
CES11 = 59	CES36 = 89	CES61 = 86	CES86 = 60
CES12 = 65	CES37 = 85	CES62 = 81	CES87 = 78
CES13 = 43	CES38 = 69	CES63 = 73	CES88 = 75
CES14 = 74	CES39 = 93	CES64 = 72	CES89 = 66
CES15 = 71	CES40 = 89	CES65 = 67	CES90 = 72
CES16 = 47	CES41 = 83	CES66 = 70	CES91 = 95
CES17 = 50	CES42 = 87	CES67 = 68	CES92 = 59
CES18 = 56	CES43 = 77	CES68 = 73	CES93 = 76
CES19 = 73	CES44 = 99	CES69 = 83	CES94 = 48
CES20 = 66	CES45 = 83	CES70 = 66	CES95 = 70
CES21 = 87	CES46 = 77	CES71 = 66	CES96 = 76
CES22 = 79	CES47 = 74	CES72 = 88	CES97 = 82
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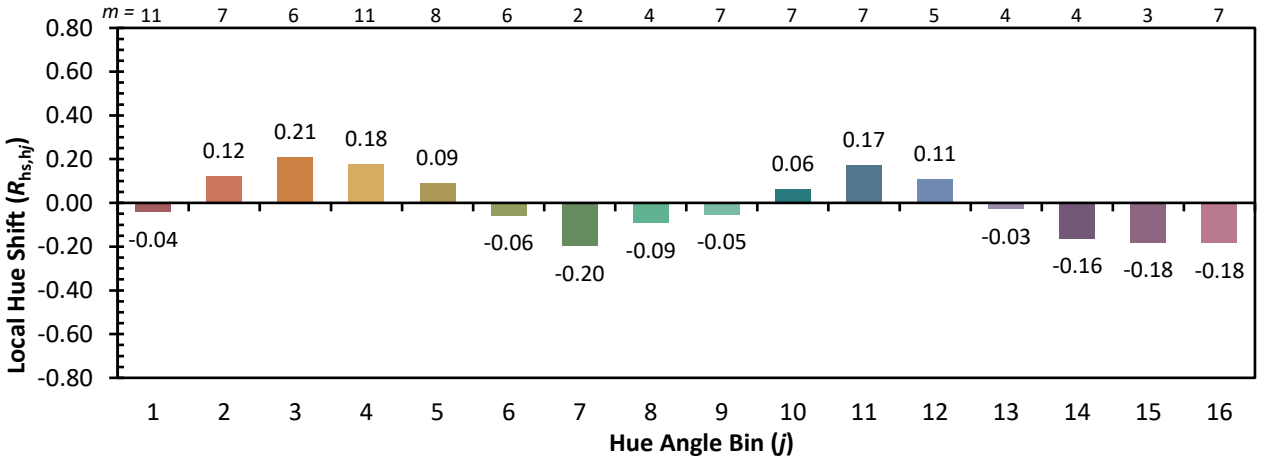


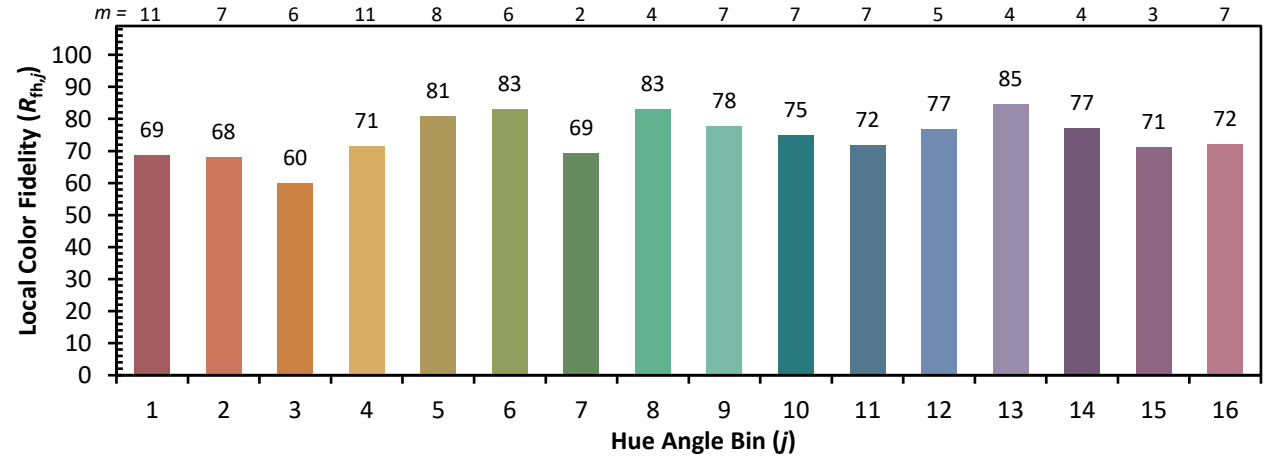
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Color Rendition by Hue-Angle Bin



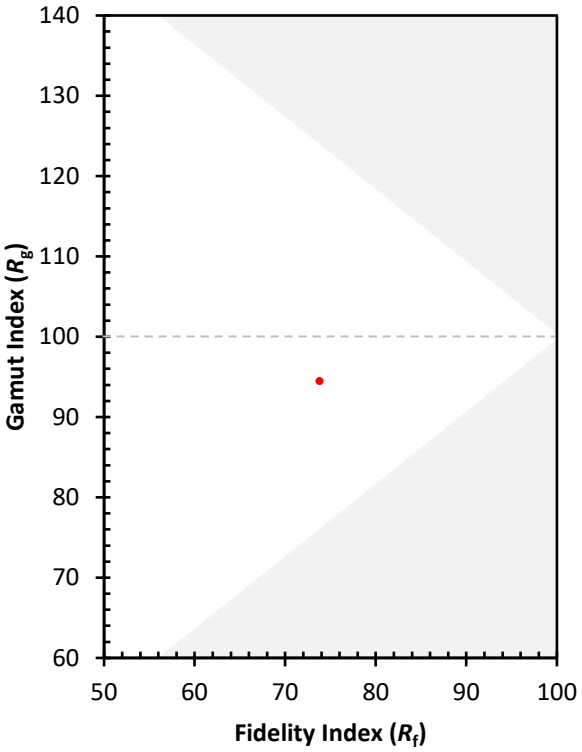


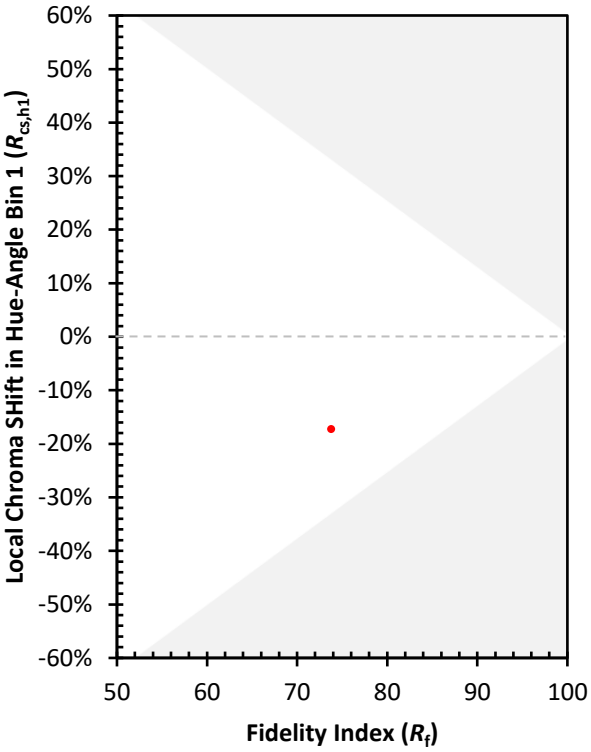


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Measure Comparisons





(END OF REPORT)