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: P1501747

Luminaire Tested: GSS-SB4C-722-U-T2LG-HSS

Issue Date: 07/20/2026

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Scaled Data Report

Test Information

Test Method:	LM-79-2024
Report Number:	P1501747
Test Lab:	INNOVATION CENTER(G1)
Issue Date:	7/20/2026
Manufacturer:	COOPER LIGHTING SOLUTIONS
Product Line:	McGRAW-EDISON
Catalog Number:	GSS-SB4C-722-U-T2LG-HSS
Description:	GALLEON II SLIM SITE HIGH DENSITY LED ARRAYS 4SQUARE 204W 70CRI 2200K FIXTURE w/ TYPE II LOW GLARE DISTRIBUTION FIXTURE W/ HOUSE SIDE SHIELD
Light Source:	(104) 2200K CCT, 70 CRI LEDS
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	19390.8 lumens
Efficiency:	N/A
Efficacy:	95.1 lumens/watt
Luminous Opening:	Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification:	Type II - Short
BUG Rating:	B2 - U0 - G2

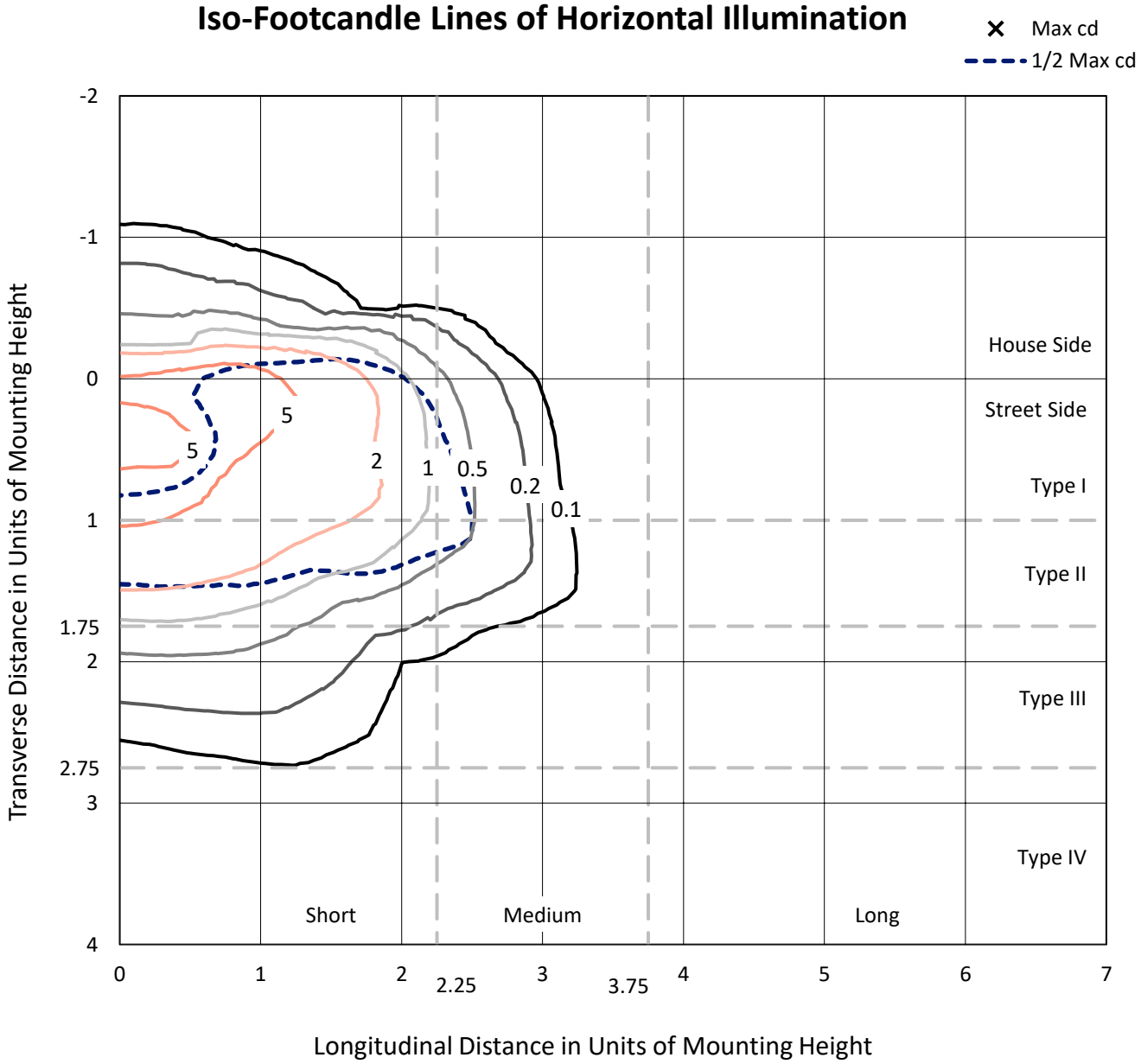
Input Watts (W):	204
Input Voltage (V):	120
Input Current (Ain):	NR
Voltage Rise (V):	NR
Power Factor:	0.98
Total Harmonic Distortion (THDi):	9.5%
Frequency (hertz):	60
Stabilization Time:	NR
Operation Time:	NR
Ambient Temperature (°C):	NR
Test Distance:	28.75 FT

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Iso-Footcandle Lines of Horizontal Illumination



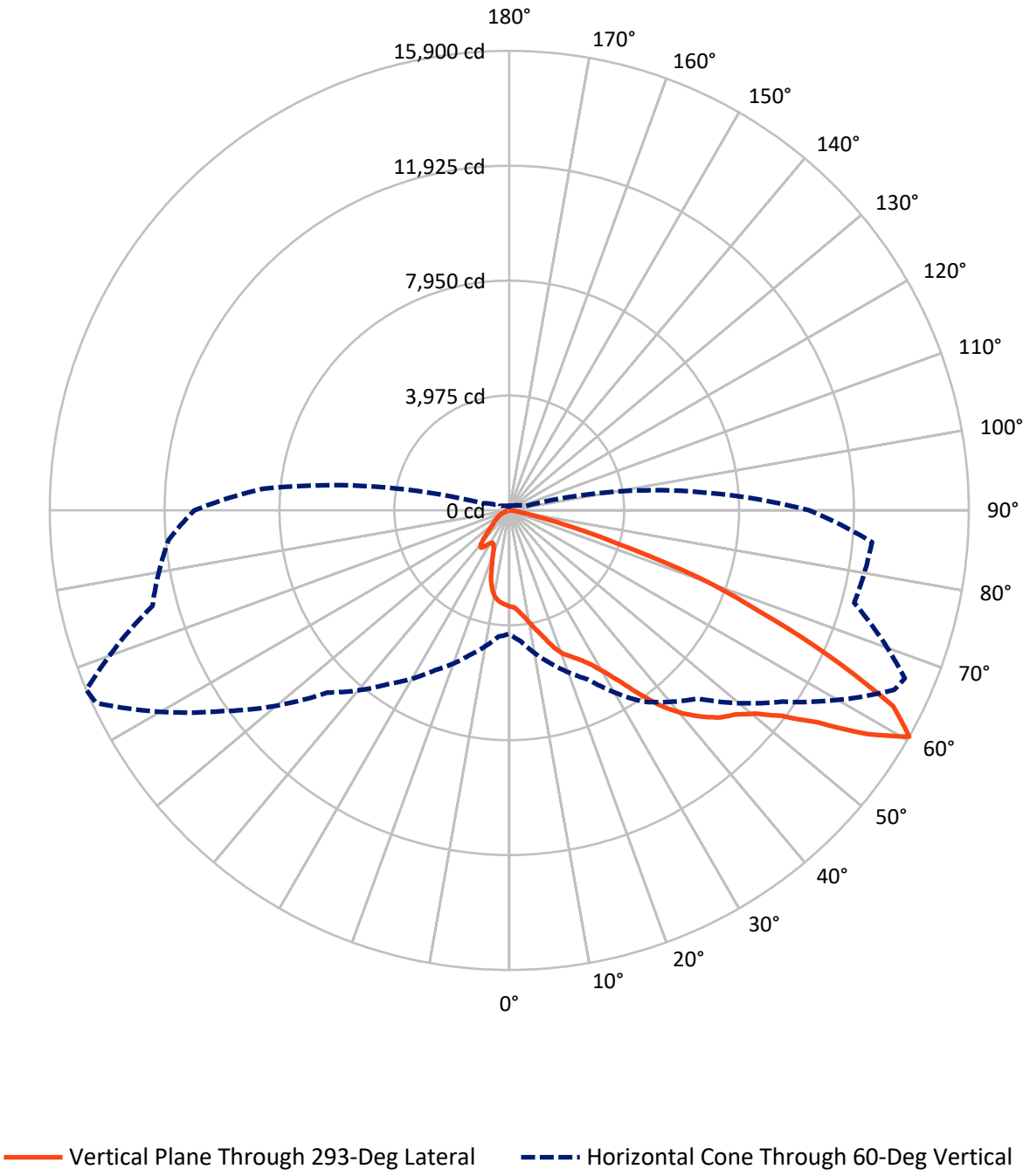
Based on 25 foot mounting height. Maximum calculated value = 8.8 fc
Type II - Short - N/A

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Luminous Intensity Polar Plot



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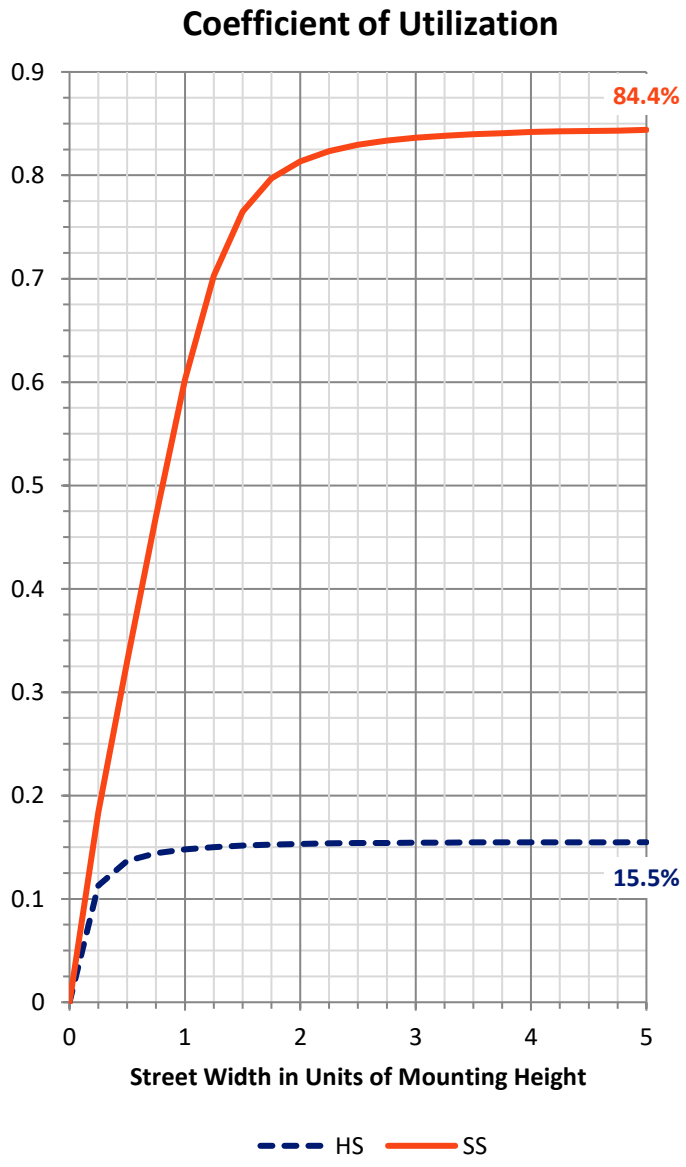
REPORT NUMBER: P1501747
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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3025.4	0.0	3025.4
	% Fixture	15.6	0.0	15.6
Street Side	Lumens	16365.4	0.0	16365.4
	% Fixture	84.4	0.0	84.4
Total	Lumens	19390.8	0.0	19390.8
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	300.9	1.6
10°-20°	757.9	3.9
20°-30°	1414.9	7.3
30°-40°	2805.8	14.5
40°-50°	4473.5	23.1
50°-60°	5344.6	27.6
60°-70°	3503.7	18.1
70°-80°	734.1	3.8
80°-90°	55.5	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°	19390.8	100.0
0°-180°	19390.8	100.0



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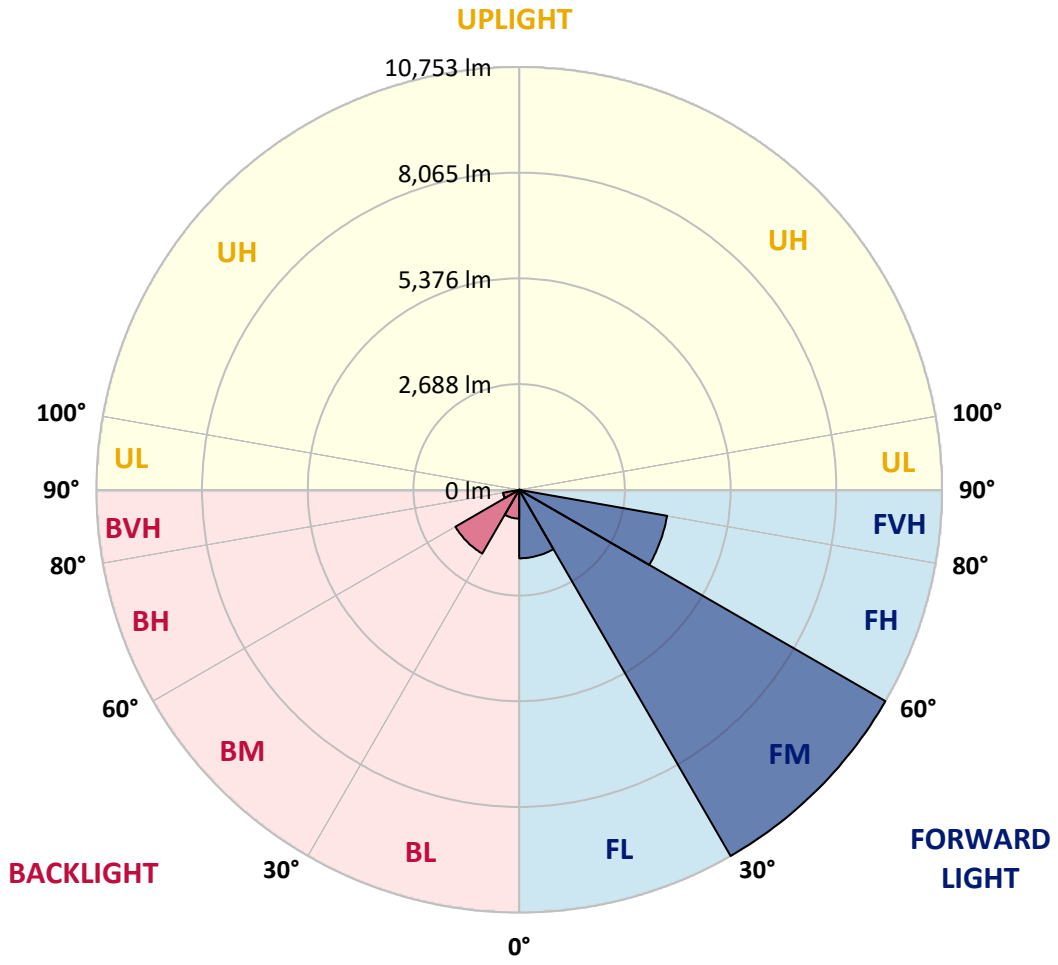
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	1741.7	9.0			
FM	(30°-60°)	10753.0	55.5			
FH	(60°-80°)	3819.9	19.7			G2/5000
FVH	(80°-90°)	50.9	0.3			G1/100
BL	(0°-30°)	731.9	3.8	B2/1000		
BM	(30°-60°)	1870.9	9.6	B2/2500		
BH	(60°-80°)	417.9	2.2	B1/500		G1/500
BVH	(80°-90°)	4.6	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°	3323.4	3323.4	3323.4	3323.4	3323.4	3323.4	3323.4	3323.4	3323.4	3323.4	3323.4
2.5°	3491.7	3480.9	3464.6	3470.0	3464.6	3442.9	3410.3	3383.1	3404.8	3372.3	3350.5
5°	3594.9	3594.9	3584.1	3584.1	3589.5	3578.6	3556.9	3518.9	3524.3	3497.2	3426.6
7.5°	3594.9	3578.6	3605.8	3632.9	3681.8	3709.0	3719.8	3698.1	3709.0	3654.6	3562.3
10°	3383.1	3372.3	3442.9	3546.0	3687.2	3812.1	3893.6	3899.0	3915.3	3861.0	3752.4
12.5°	2932.4	2910.7	3051.9	3247.4	3535.2	3823.0	4051.1	4138.0	4176.0	4154.2	4002.2
15°	2514.3	2541.4	2639.2	2851.0	3236.5	3676.4	4138.0	4425.8	4480.1	4507.2	4328.0
17.5°	2470.8	2476.3	2508.8	2612.0	2905.3	3437.4	4148.8	4724.4	4800.5	4919.9	4675.6
20°	2590.3	2579.4	2612.0	2644.6	2785.8	3225.6	4045.6	5012.2	5158.9	5414.1	5148.0
22.5°	2812.9	2812.9	2829.2	2851.0	2921.5	3209.4	4002.2	5278.3	5528.1	6049.4	5739.9
25°	3187.6	3144.2	3155.1	3127.9	3187.6	3404.8	4099.9	5490.1	5832.2	6755.4	6445.9
27.5°	3768.7	3785.0	3687.2	3540.6	3573.2	3757.8	4338.9	5729.1	6147.2	7488.5	7162.7
30°	4572.4	4545.2	4485.5	4197.7	4067.4	4230.3	4778.7	6120.0	6570.8	8417.1	8118.4
32.5°	5202.3	5278.3	5175.2	4974.2	4773.3	4822.2	5397.8	6750.0	7086.6	9269.7	9106.8
35°	5962.6	5962.6	5984.3	5701.9	5566.1	5555.3	6174.3	7434.2	7770.9	10040.8	10154.8
37.5°	6988.9	6918.3	6798.8	6483.9	6380.7	6516.5	6902.0	8140.1	8504.0	10665.3	10969.4
40°	7852.3	7901.2	7884.9	7428.8	7227.8	7374.5	7716.6	8742.9	9025.3	11067.1	11626.4
42.5°	8699.5	8726.6	8656.0	8438.8	8145.6	8156.4	8438.8	9199.1	9486.9	11452.7	12245.5
45°	9334.8	9329.4	9280.5	9226.2	9052.4	8873.2	8922.1	9704.1	9953.9	11577.6	12582.2
47.5°	9535.8	9579.2	9622.6	9774.7	9894.2	9611.8	9362.0	9975.6	10203.7	11555.9	12707.1
50°	9351.1	9443.4	9655.2	9883.3	10290.6	10268.9	9731.2	10268.9	10491.5	11675.3	12853.7
52.5°	8938.4	9030.7	9313.1	9725.8	10339.4	10643.5	10415.5	10763.0	11023.7	11979.4	13157.8
55°	7977.2	8015.2	8596.3	9139.3	10095.1	10480.6	11148.6	11599.3	11816.5	12348.7	13559.7
57.5°	6494.7	6587.1	7157.2	8042.4	9410.9	10051.6	11566.7	13027.5	13022.1	12701.7	13646.6
60°	*4273.7*	*4545.2*	*5473.8*	*6451.3*	*8085.8*	*9209.9*	*11539.6*	*14700.0*	*14868.4*	*12354.1*	*12598.5*
62.5°	3263.7	3377.7	3904.4	4719.0	5984.3	7635.1	11360.4	15199.6	15330.0	11420.1	11029.1
65°	2454.5	2595.7	3100.7	3828.4	4224.8	5175.2	10187.4	13212.1	13391.3	10192.8	8574.6
67.5°	1504.2	1618.3	2291.6	3144.2	3198.5	3214.8	6874.9	10008.2	10073.4	8221.6	5772.5
70°	1004.6	1118.7	1585.7	2416.5	2546.8	1851.8	3774.1	7575.4	7570.0	5625.9	3508.0
72.5°	581.1	635.4	1004.6	1781.2	2003.8	1178.4	1884.3	4816.7	4605.0	2644.6	1640.0
75°	331.3	369.3	553.9	1145.8	1406.5	749.4	744.0	2579.4	2280.8	1363.0	896.0
77.5°	200.9	217.2	304.1	749.4	847.1	505.0	412.7	1200.1	1156.7	798.3	472.4
80°	97.7	114.0	184.6	439.9	543.0	271.5	249.8	472.4	505.0	439.9	249.8
82.5°	32.6	43.4	103.2	168.3	353.0	108.6	103.2	260.7	276.9	260.7	119.5
85°	16.3	21.7	48.9	54.3	135.8	54.3	38.0	114.0	141.2	86.9	48.9
87.5°	0.0	5.4	5.4	5.4	5.4	5.4	5.4	10.9	10.9	10.9	10.9
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°	3323.4	3323.4	3323.4	3323.4	3323.4	3323.4	3323.4	3323.4	3323.4	3323.4	3323.4
2.5°	3334.3	3323.4	3301.7	3263.7	3258.2	3231.1	3187.6	3160.5	3138.8	3155.1	3160.5
5°	3394.0	3366.8	3301.7	3198.5	3089.9	2981.3	2878.1	2758.6	2677.2	2666.3	2644.6
7.5°	3502.6	3448.3	3307.1	3106.2	2829.2	2568.6	2264.5	1971.2	1824.6	1802.9	1754.0
10°	3676.4	3584.1	3350.5	2943.3	2411.1	1868.1	1406.5	1091.5	912.3	879.7	890.6
12.5°	3882.7	3752.4	3356.0	2666.3	1835.5	1156.7	798.3	678.8	640.8	624.5	624.5
15°	4148.8	3958.7	3350.5	2307.9	1238.1	744.0	640.8	591.9	575.6	564.8	564.8
17.5°	4485.5	4235.7	3312.5	1770.3	836.3	646.2	586.5	548.5	526.7	521.3	521.3
20°	4881.9	4545.2	3225.6	1319.6	700.5	602.8	553.9	505.0	488.7	477.9	477.9
22.5°	5386.9	4919.9	3057.3	1026.3	662.5	575.6	521.3	467.0	450.7	439.9	439.9
25°	5973.4	5397.8	2834.7	923.2	657.1	553.9	488.7	434.4	418.1	412.7	407.3
27.5°	6668.5	5908.3	2628.3	928.6	667.9	537.6	456.2	407.3	391.0	374.7	380.1
30°	7488.5	6435.0	2460.0	993.8	678.8	521.3	434.4	391.0	374.7	353.0	353.0
32.5°	8297.6	7054.1	2443.7	1113.2	716.8	510.5	412.7	369.3	353.0	336.7	336.7
35°	9128.5	7618.8	2536.0	1270.7	792.8	494.2	385.6	347.5	331.3	320.4	315.0
37.5°	9921.3	8069.5	2622.9	1368.5	749.4	423.6	353.0	320.4	304.1	282.4	282.4
40°	10448.1	8313.9	2639.2	1292.4	619.1	380.1	320.4	287.8	266.1	255.2	249.8
42.5°	10833.6	8471.4	2454.5	1048.1	537.6	347.5	293.2	260.7	244.4	233.5	233.5
45°	10991.1	8417.1	2139.6	798.3	494.2	320.4	266.1	238.9	228.1	217.2	217.2
47.5°	10969.4	8167.3	1819.2	640.8	450.7	293.2	249.8	228.1	217.2	206.4	200.9
50°	10931.4	7933.8	1493.4	570.2	401.8	276.9	233.5	217.2	200.9	190.1	184.6
52.5°	11181.2	7857.8	1238.1	521.3	374.7	266.1	228.1	206.4	190.1	179.2	179.2
55°	11431.0	7890.3	972.0	488.7	347.5	260.7	222.6	200.9	184.6	168.3	168.3
57.5°	11414.7	7749.2	738.5	456.2	325.8	255.2	217.2	195.5	168.3	157.5	157.5
60°	*10377.5*	*6912.9*	*575.6*	*418.1*	*298.7*	*238.9*	*200.9*	*184.6*	*157.5*	*141.2*	*141.2*
62.5°	8775.5	5435.8	472.4	369.3	266.1	217.2	184.6	168.3	141.2	114.0	114.0
65°	6483.9	3920.7	380.1	320.4	244.4	190.1	168.3	146.6	114.0	92.3	86.9
67.5°	4387.7	2411.1	304.1	266.1	217.2	162.9	141.2	124.9	103.2	76.0	70.6
70°	2601.2	1281.6	222.6	184.6	162.9	119.5	119.5	108.6	86.9	65.2	59.7
72.5°	1238.1	445.3	162.9	135.8	124.9	86.9	92.3	92.3	70.6	48.9	43.4
75°	629.9	217.2	108.6	97.7	81.5	65.2	76.0	70.6	48.9	32.6	32.6
77.5°	358.4	152.1	76.0	65.2	54.3	43.4	48.9	43.4	27.2	16.3	16.3
80°	200.9	108.6	48.9	43.4	32.6	27.2	27.2	21.7	16.3	5.4	5.4
82.5°	76.0	65.2	32.6	21.7	16.3	16.3	10.9	10.9	5.4	0.0	0.0
85°	32.6	16.3	16.3	10.9	10.9	5.4	5.4	5.4	0.0	0.0	0.0
87.5°	5.4	5.4	5.4	5.4	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°	3323.4	3323.4	3323.4	3323.4	3323.4	3323.4	3323.4	3323.4	3323.4	3323.4	3323.4
2.5°	3117.0	3127.9	3138.8	3182.2	3193.1	3225.6	3252.8	3285.4	3290.8	3334.3	3334.3
5°	2688.0	2682.6	2774.9	2910.7	2997.6	3117.0	3209.4	3307.1	3361.4	3432.0	3464.6
7.5°	1781.2	1916.9	2123.3	2362.2	2671.7	2959.6	3176.8	3366.8	3497.2	3578.6	3611.2
10°	885.2	961.2	1178.4	1569.4	2096.1	2682.6	3144.2	3497.2	3709.0	3801.3	3861.0
12.5°	624.5	640.8	678.8	890.6	1395.6	2226.5	3041.0	3638.4	3931.6	4105.4	4181.4
15°	559.3	570.2	586.5	646.2	863.4	1661.7	2856.4	3795.8	4279.1	4480.1	4577.8
17.5°	515.9	521.3	537.6	586.5	678.8	1129.5	2557.7	3964.2	4697.3	4941.6	5126.3
20°	477.9	477.9	494.2	553.9	629.9	868.9	2128.7	4154.2	5229.5	5582.4	5767.1
22.5°	434.4	445.3	456.2	521.3	613.6	792.8	1726.9	4300.9	5821.4	6250.4	6467.6
25°	401.8	412.7	423.6	488.7	597.3	792.8	1493.4	4393.2	6483.9	6994.3	7293.0
27.5°	374.7	385.6	401.8	467.0	581.1	825.4	1401.0	4420.3	7206.1	7868.6	8270.5
30°	353.0	363.8	380.1	450.7	591.9	863.4	1433.6	4382.3	7939.2	8770.1	9247.9
32.5°	331.3	342.1	358.4	434.4	591.9	912.3	1542.2	4306.3	8650.6	9671.5	10258.0
35°	315.0	320.4	325.8	391.0	537.6	906.9	1678.0	4230.3	9367.4	10562.1	11246.3
37.5°	282.4	287.8	298.7	336.7	429.0	825.4	1705.1	4138.0	9932.2	11311.5	12066.3
40°	249.8	260.7	271.5	309.5	358.4	667.9	1585.7	3942.5	10230.8	11887.1	12804.8
42.5°	228.1	233.5	244.4	282.4	331.3	532.2	1330.4	3600.3	10496.9	12278.1	13342.4
45°	211.8	217.2	228.1	255.2	309.5	461.6	1048.1	3182.2	10518.7	12403.0	13603.1
47.5°	195.5	200.9	206.4	233.5	298.7	412.7	803.7	2802.1	10513.2	12565.9	13825.8
50°	184.6	190.1	200.9	222.6	282.4	369.3	662.5	2492.5	10741.3	12918.9	14276.5
52.5°	179.2	179.2	195.5	217.2	266.1	336.7	553.9	2215.6	10860.8	13266.4	14602.3
55°	168.3	173.8	184.6	206.4	249.8	320.4	472.4	1868.1	10915.1	13440.2	14662.0
57.5°	157.5	162.9	179.2	195.5	238.9	304.1	407.3	1395.6	10138.5	12533.3	13662.8
60°	*141.2*	*152.1*	*173.8*	*190.1*	*222.6*	*276.9*	*358.4*	*944.9*	*8552.9*	*10893.3*	*11838.2*
62.5°	114.0	135.8	157.5	168.3	200.9	233.5	304.1	629.9	6831.4	9014.4	10089.7
65°	86.9	114.0	130.3	146.6	168.3	195.5	255.2	429.0	4556.1	6065.7	7276.7
67.5°	76.0	97.7	108.6	119.5	141.2	168.3	206.4	298.7	2764.1	3643.8	4838.5
70°	59.7	81.5	92.3	86.9	108.6	130.3	146.6	200.9	1411.9	1976.7	2753.2
72.5°	43.4	65.2	70.6	70.6	65.2	92.3	108.6	141.2	613.6	961.2	1249.0
75°	32.6	43.4	48.9	43.4	38.0	59.7	76.0	92.3	401.8	575.6	727.7
77.5°	16.3	16.3	27.2	27.2	16.3	32.6	38.0	54.3	228.1	336.7	418.1
80°	5.4	0.0	0.0	5.4	0.0	10.9	16.3	27.2	119.5	179.2	260.7
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.4	59.7	54.3	135.8
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10.9	32.6
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: P1501747
CATALOG NUMBER: GSS-SB4C-722-U-T2LG-HSS

CANDELA DISTRIBUTION (continued):

	285°	293°	295°	305°	315°	325°	335°	345°	355°	360°
0°	3323.4	3323.4	3323.4	3323.4	3323.4	3323.4	3323.4	3323.4	3323.4	3323.4
2.5°	3361.4	3361.4	3383.1	3415.7	3432.0	3442.9	3448.3	3459.2	3502.6	3491.7
5°	3502.6	3513.5	3529.7	3562.3	3600.3	3589.5	3589.5	3589.5	3616.6	3594.9
7.5°	3687.2	3719.8	3725.2	3763.3	3736.1	3681.8	3649.2	3600.3	3594.9	3594.9
10°	3985.9	3975.0	3975.0	3926.2	3828.4	3670.9	3529.7	3432.0	3377.7	3383.1
12.5°	4306.3	4262.9	4268.3	4089.1	3812.1	3464.6	3176.8	2965.0	2948.7	2932.4
15°	4702.7	4588.7	4567.0	4154.2	3567.8	3035.6	2753.2	2584.9	2530.6	2514.3
17.5°	5267.5	4979.7	4876.5	4040.2	3247.4	2769.5	2557.7	2481.7	2476.3	2470.8
20°	5864.8	5294.6	5099.1	3871.9	3138.8	2774.9	2617.4	2595.7	2584.9	2590.3
22.5°	6559.9	5495.5	5245.7	3899.0	3236.5	2954.1	2829.2	2812.9	2802.1	2812.9
25°	7276.7	5729.1	5419.5	4116.2	3529.7	3285.4	3138.8	3106.2	3138.8	3187.6
27.5°	7999.0	6044.0	5761.6	4545.2	4002.2	3736.1	3594.9	3714.4	3763.3	3768.7
30°	8639.7	6483.9	6223.2	5148.0	4539.8	4273.7	4300.9	4452.9	4512.6	4572.4
32.5°	9226.2	7070.4	6869.4	5832.2	5234.9	5077.4	5061.1	5175.2	5240.3	5202.3
35°	9818.1	7836.0	7640.5	6576.2	6087.5	5957.1	5821.4	6044.0	6022.3	5962.6
37.5°	10377.5	8607.2	8428.0	7374.5	6869.4	6641.4	6619.6	6820.6	6999.8	6988.9
40°	10779.3	9231.7	9014.4	8167.3	7689.4	7493.9	7608.0	7955.5	7912.1	7852.3
42.5°	11148.6	9763.8	9568.3	8862.4	8362.8	8449.7	8552.9	8786.4	8759.2	8699.5
45°	11322.3	10220.0	10051.6	9389.1	9144.8	9421.7	9416.3	9503.2	9356.5	9334.8
47.5°	11566.7	10545.8	10372.0	9861.6	10078.8	10192.8	9872.4	9780.1	9644.4	9535.8
50°	12017.4	11050.8	10877.1	10578.4	10763.0	10410.0	10019.1	9818.1	9541.2	9351.1
52.5°	12544.2	11816.5	11664.5	11545.0	11029.1	10301.4	9801.8	9438.0	9101.3	8938.4
55°	13206.7	12946.0	12837.4	12180.3	10790.2	9856.1	9269.7	8590.9	8129.3	7977.2
57.5°	13423.9	14602.3	14564.3	12283.5	10122.2	9047.0	7988.1	7070.4	6592.5	6494.7
60°	12783.1	15900.2	15764.4	12109.8	8911.3	7341.9	6103.7	5164.3	4387.7	4273.7
62.5°	11963.1	14906.4	14857.5	11235.5	6788.0	5262.0	4561.5	3681.8	3350.5	3263.7
65°	10247.1	12196.6	12218.4	9014.4	4295.4	3779.5	3747.0	2927.0	2519.7	2454.5
67.5°	7890.3	9356.5	9204.5	5669.3	2503.4	3024.7	2992.1	2139.6	1547.7	1504.2
70°	4610.4	6967.2	6722.8	2948.7	1656.3	2525.1	2302.5	1504.2	1053.5	1004.6
72.5°	2036.4	3833.9	4116.2	1297.9	1167.5	2009.2	1661.7	923.2	591.9	581.1
75°	1129.5	1900.6	1987.5	564.8	820.0	1428.2	1004.6	515.9	336.7	331.3
77.5°	678.8	841.7	820.0	363.8	613.6	912.3	608.2	293.2	211.8	200.9
80°	380.1	385.6	325.8	266.1	363.8	510.5	342.1	184.6	97.7	97.7
82.5°	233.5	211.8	168.3	81.5	97.7	309.5	124.9	103.2	32.6	32.6
85°	97.7	65.2	43.4	16.3	38.0	81.5	43.4	48.9	16.3	16.3
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: SP1-2407-184-2

Test Date: 10/09/2024

Luminaire Tested: GSS-SB1A-722-U-5WQ

Data in this report applies to families of products including GSS-SB1A-722-U-5WQ

Report Generated By FNC07603 / LDUCLS01DT446
Version: v7.04

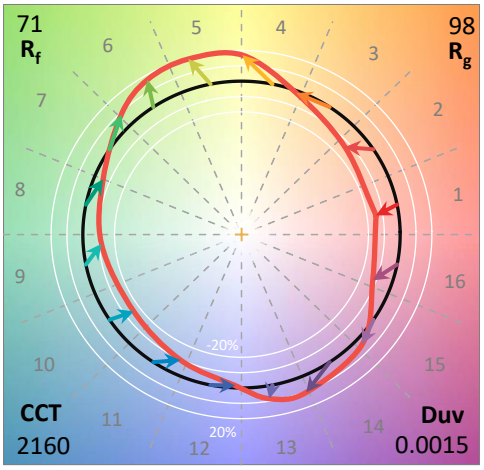
Test Information

Test Method:	LM-79-2019
Report Number:	SP1-2407-184-2
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-722-U-5WQ**
Description:	GALLEON II SITE SLIM 1SQ 350MA 5WQ HIGH DENSITY LIGHTSQUARE WITH 70 CRI 2200K CCT 26 LEDS

Spectral Parameters

CCT (K):	2160
CIE u':	0.2927
CIE v':	0.5388
Duv:	0.0015
CIE x:	0.5130
CIE y:	0.4197
CIE z:	0.0674
Peak Wavelength (nm):	609
Dominant Wavelength (nm):	587
Purity:	79.96089
Rf:	70.6
Rg:	97.6

CRI (Ra):	71.9
R1:	68.7
R2:	82.6
R3:	95.5
R4:	66.4
R5:	65.4
R6:	75.9
R7:	77.2
R8:	43.5
R9:	-17.8
R10:	60.5
R11:	60.2
R12:	48.2
R13:	70.7
R14:	96.8
R15:	61.8



Test Conditions

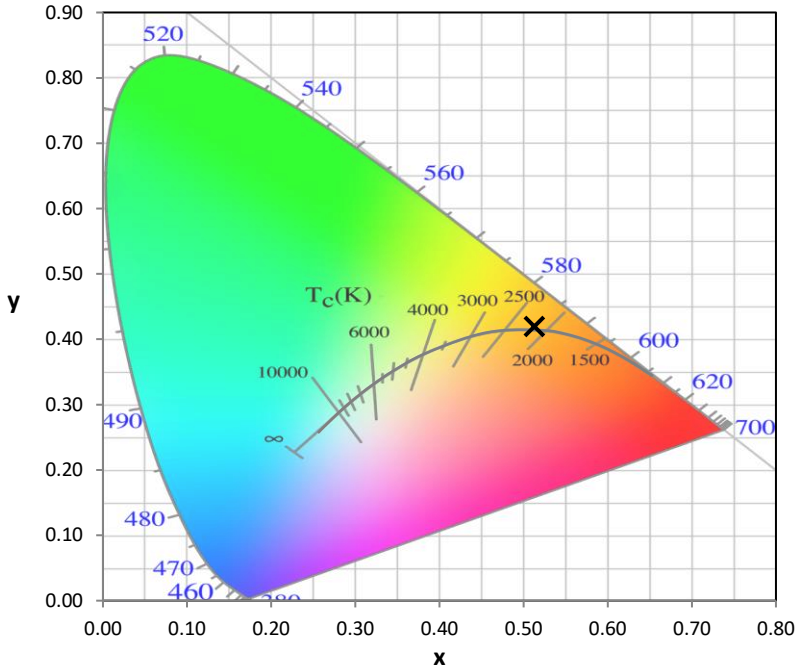
Stabilization Time:	21M
Operation Time:	1H 21M
Sphere Temperature (°C):	25.2

REPORT NUMBER: SP1-2407-184-2

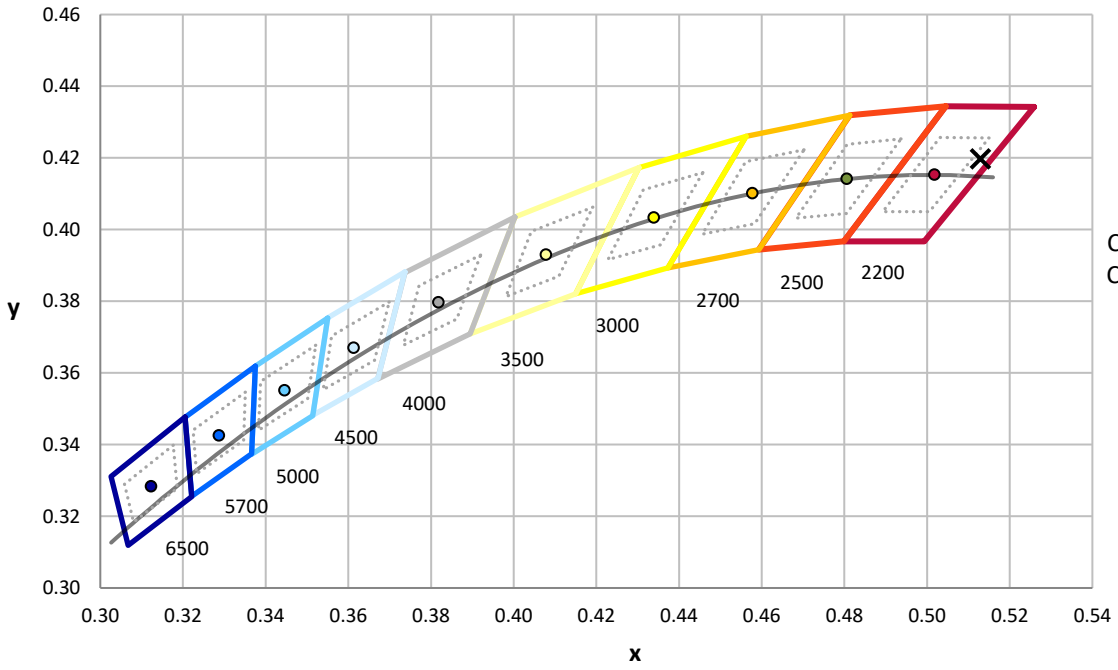
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

REPORT NUMBER: SP1-2407-184-2

CIE 1931 Chromaticity Diagram



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

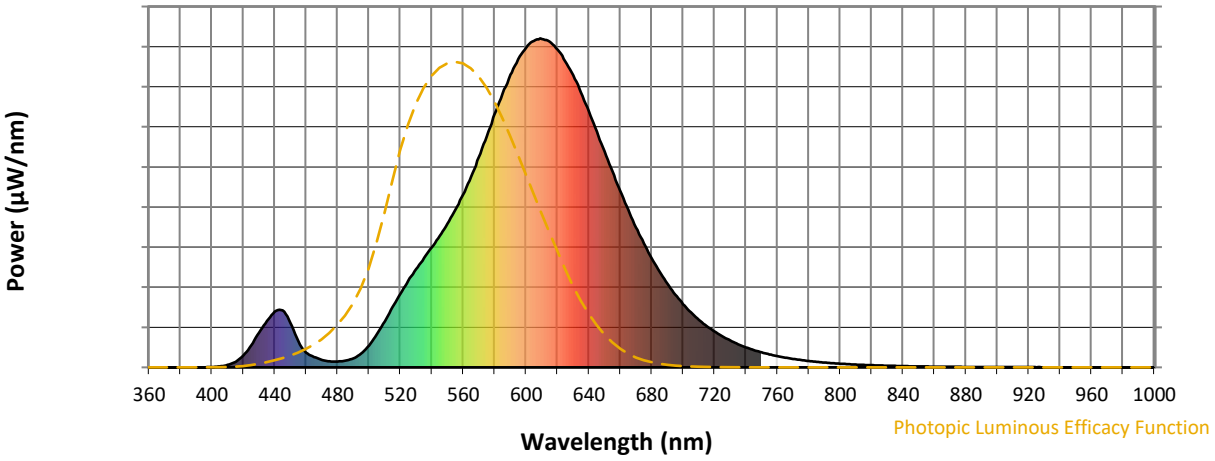


CCT = 2160K
CIE x = 0.5130
CIE y = 0.4197
Duv = 0.0015

Point lies inside the ANSI 2200K 7-step quadrangle

REPORT NUMBER: SP1-2407-184-2

Photopic Flux vs. Wavelength

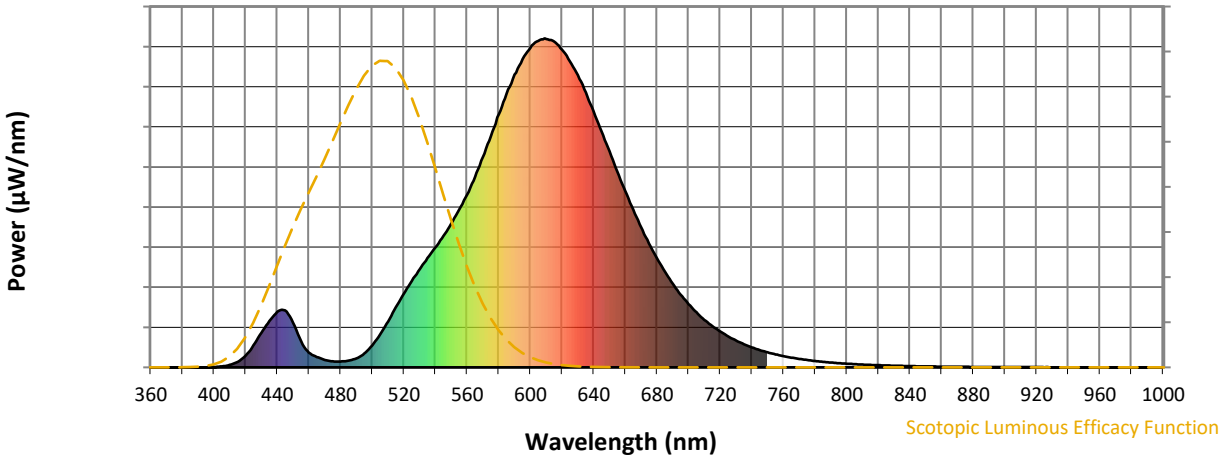


Photopic Lumens: NR

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	27	NR	620	966	NR	750	46	NR	880	1	NR
365	0	NR	495	42	NR	625	930	NR	755	39	NR	885	1	NR
370	0	NR	500	67	NR	630	888	NR	760	34	NR	890	1	NR
375	0	NR	505	101	NR	635	835	NR	765	30	NR	895	1	NR
380	0	NR	510	139	NR	640	778	NR	770	26	NR	900	1	NR
385	0	NR	515	183	NR	645	717	NR	775	22	NR	905	1	NR
390	0	NR	520	224	NR	650	656	NR	780	19	NR	910	1	NR
395	0	NR	525	262	NR	655	595	NR	785	17	NR	915	1	NR
400	1	NR	530	299	NR	660	536	NR	790	15	NR	920	1	NR
405	3	NR	535	332	NR	665	480	NR	795	13	NR	925	1	NR
410	7	NR	540	365	NR	670	425	NR	800	11	NR	930	1	NR
415	17	NR	545	400	NR	675	376	NR	805	10	NR	935	0	NR
420	36	NR	550	437	NR	680	332	NR	810	8	NR	940	0	NR
425	67	NR	555	479	NR	685	291	NR	815	8	NR	945	0	NR
430	105	NR	560	525	NR	690	255	NR	820	7	NR	950	0	NR
435	141	NR	565	579	NR	695	221	NR	825	6	NR	955	0	NR
440	169	NR	570	639	NR	700	192	NR	830	5	NR	960	0	NR
445	173	NR	575	703	NR	705	167	NR	835	4	NR	965	0	NR
450	136	NR	580	769	NR	710	144	NR	840	4	NR	970	0	NR
455	80	NR	585	832	NR	715	125	NR	845	3	NR	975	0	NR
460	45	NR	590	890	NR	720	109	NR	850	3	NR	980	0	NR
465	32	NR	595	937	NR	725	94	NR	855	3	NR	985	0	NR
470	23	NR	600	972	NR	730	81	NR	860	2	NR	990	0	NR
475	18	NR	605	992	NR	735	70	NR	865	2	NR	995	0	NR
480	18	NR	610	998	NR	740	61	NR	870	2	NR	1000	0	NR
485	20	NR	615	990	NR	745	53	NR	875	2	NR			

REPORT NUMBER: SP1-2407-184-2

Scotopic Flux vs. Wavelength

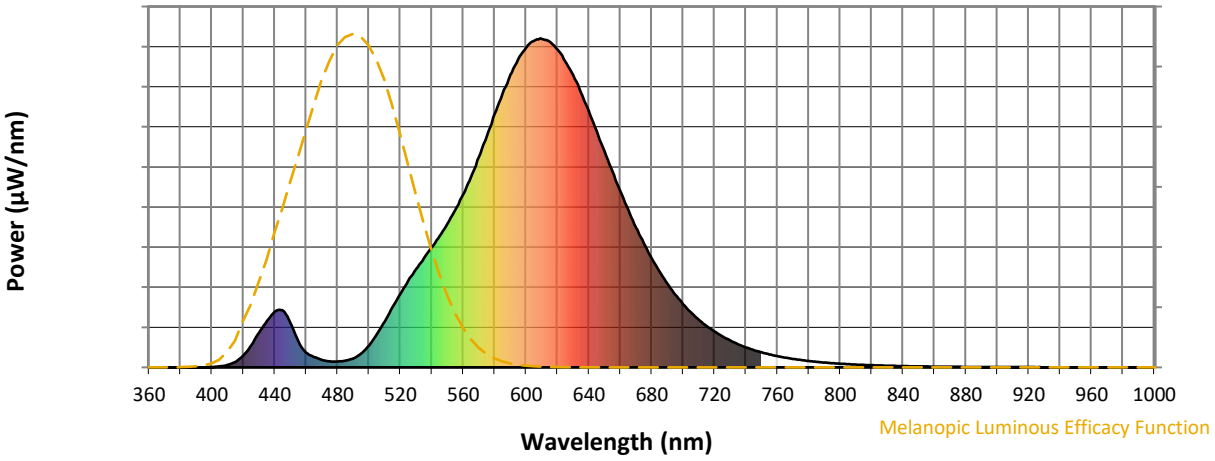


Scotopic Lumens: NR **S/P: 0.8**

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	27	NR	620	966	NR	750	46	NR	880	1	NR
365	0	NR	495	42	NR	625	930	NR	755	39	NR	885	1	NR
370	0	NR	500	67	NR	630	888	NR	760	34	NR	890	1	NR
375	0	NR	505	101	NR	635	835	NR	765	30	NR	895	1	NR
380	0	NR	510	139	NR	640	778	NR	770	26	NR	900	1	NR
385	0	NR	515	183	NR	645	717	NR	775	22	NR	905	1	NR
390	0	NR	520	224	NR	650	656	NR	780	19	NR	910	1	NR
395	0	NR	525	262	NR	655	595	NR	785	17	NR	915	1	NR
400	1	NR	530	299	NR	660	536	NR	790	15	NR	920	1	NR
405	3	NR	535	332	NR	665	480	NR	795	13	NR	925	1	NR
410	7	NR	540	365	NR	670	425	NR	800	11	NR	930	1	NR
415	17	NR	545	400	NR	675	376	NR	805	10	NR	935	0	NR
420	36	NR	550	437	NR	680	332	NR	810	8	NR	940	0	NR
425	67	NR	555	479	NR	685	291	NR	815	8	NR	945	0	NR
430	105	NR	560	525	NR	690	255	NR	820	7	NR	950	0	NR
435	141	NR	565	579	NR	695	221	NR	825	6	NR	955	0	NR
440	169	NR	570	639	NR	700	192	NR	830	5	NR	960	0	NR
445	173	NR	575	703	NR	705	167	NR	835	4	NR	965	0	NR
450	136	NR	580	769	NR	710	144	NR	840	4	NR	970	0	NR
455	80	NR	585	832	NR	715	125	NR	845	3	NR	975	0	NR
460	45	NR	590	890	NR	720	109	NR	850	3	NR	980	0	NR
465	32	NR	595	937	NR	725	94	NR	855	3	NR	985	0	NR
470	23	NR	600	972	NR	730	81	NR	860	2	NR	990	0	NR
475	18	NR	605	992	NR	735	70	NR	865	2	NR	995	0	NR
480	18	NR	610	998	NR	740	61	NR	870	2	NR	1000	0	NR
485	20	NR	615	990	NR	745	53	NR	875	2	NR			

REPORT NUMBER: SP1-2407-184-2

Melanopic Flux vs. Wavelength



Melanopic Lumens: NR **M/P: 1.21**

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	27	NR	620	966	NR	750	46	NR	880	1	NR
365	0	NR	495	42	NR	625	930	NR	755	39	NR	885	1	NR
370	0	NR	500	67	NR	630	888	NR	760	34	NR	890	1	NR
375	0	NR	505	101	NR	635	835	NR	765	30	NR	895	1	NR
380	0	NR	510	139	NR	640	778	NR	770	26	NR	900	1	NR
385	0	NR	515	183	NR	645	717	NR	775	22	NR	905	1	NR
390	0	NR	520	224	NR	650	656	NR	780	19	NR	910	1	NR
395	0	NR	525	262	NR	655	595	NR	785	17	NR	915	1	NR
400	1	NR	530	299	NR	660	536	NR	790	15	NR	920	1	NR
405	3	NR	535	332	NR	665	480	NR	795	13	NR	925	1	NR
410	7	NR	540	365	NR	670	425	NR	800	11	NR	930	1	NR
415	17	NR	545	400	NR	675	376	NR	805	10	NR	935	0	NR
420	36	NR	550	437	NR	680	332	NR	810	8	NR	940	0	NR
425	67	NR	555	479	NR	685	291	NR	815	8	NR	945	0	NR
430	105	NR	560	525	NR	690	255	NR	820	7	NR	950	0	NR
435	141	NR	565	579	NR	695	221	NR	825	6	NR	955	0	NR
440	169	NR	570	639	NR	700	192	NR	830	5	NR	960	0	NR
445	173	NR	575	703	NR	705	167	NR	835	4	NR	965	0	NR
450	136	NR	580	769	NR	710	144	NR	840	4	NR	970	0	NR
455	80	NR	585	832	NR	715	125	NR	845	3	NR	975	0	NR
460	45	NR	590	890	NR	720	109	NR	850	3	NR	980	0	NR
465	32	NR	595	937	NR	725	94	NR	855	3	NR	985	0	NR
470	23	NR	600	972	NR	730	81	NR	860	2	NR	990	0	NR
475	18	NR	605	992	NR	735	70	NR	865	2	NR	995	0	NR
480	18	NR	610	998	NR	740	61	NR	870	2	NR	1000	0	NR
485	20	NR	615	990	NR	745	53	NR	875	2	NR			

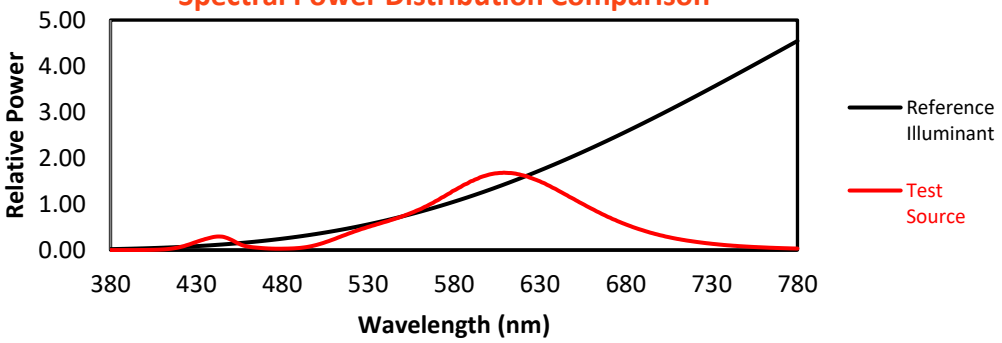
REPORT NUMBER: SP1-2407-184-2

TM-30-18

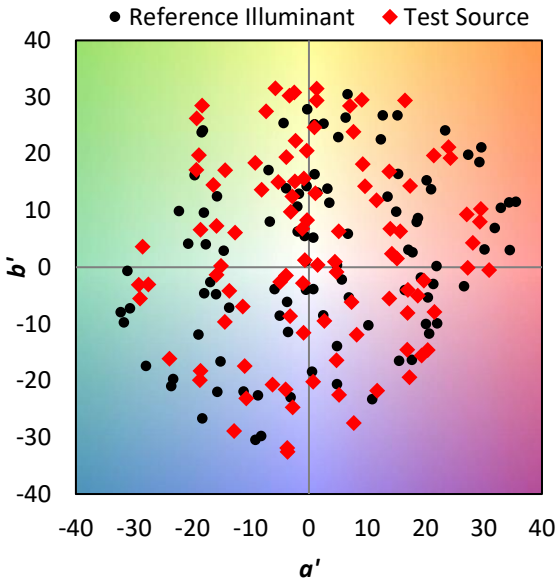
Summary

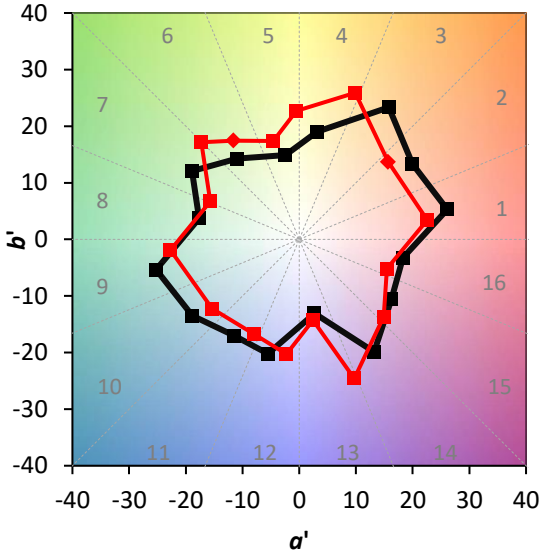
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R_g = 97.6
CIE R_a = 71.9
R_9 = -17.8

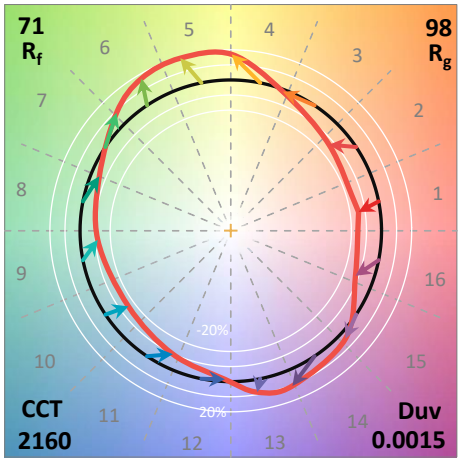
Spectral Power Distribution Comparison

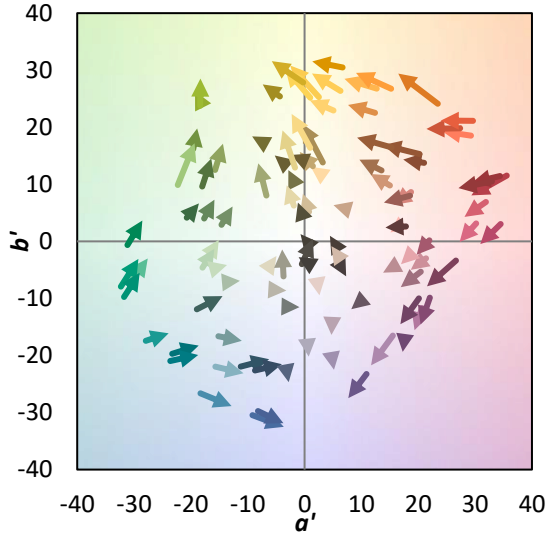


Color Vector Graphics







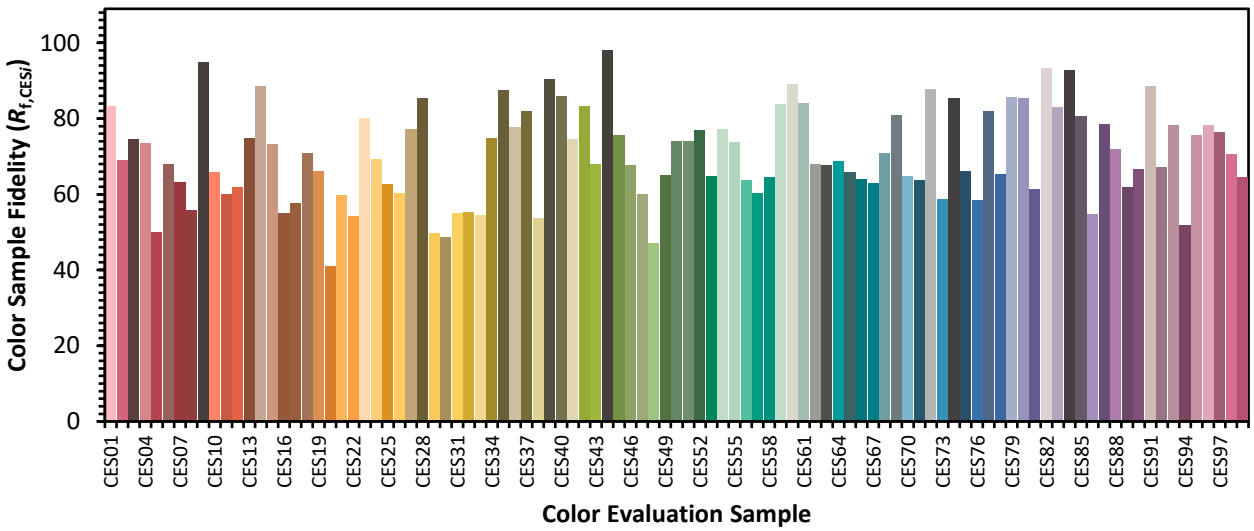


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Individual Sample Fidelity Index ($R_{f,i}$)

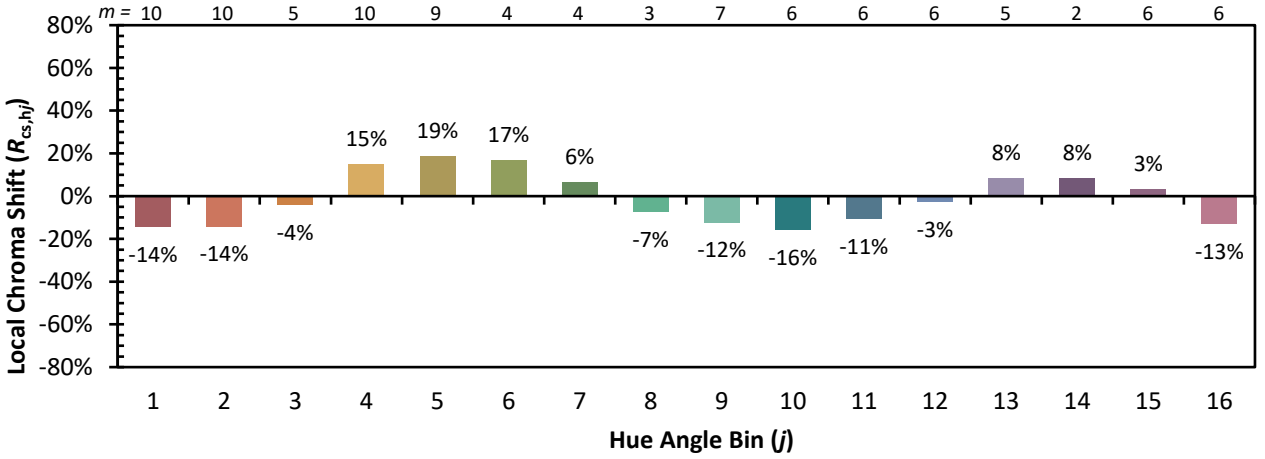
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CES02 = 65	CES27 = 77	CES52 = 77	CES77 = 82
CES03 = 32	CES28 = 85	CES53 = 65	CES78 = 65
CES04 = 72	CES29 = 50	CES54 = 77	CES79 = 86
CES05 = 52	CES30 = 49	CES55 = 74	CES80 = 85
CES06 = 53	CES31 = 55	CES56 = 64	CES81 = 61
CES07 = 44	CES32 = 55	CES57 = 60	CES82 = 93
CES08 = 43	CES33 = 55	CES58 = 64	CES83 = 83
CES09 = 29	CES34 = 75	CES59 = 84	CES84 = 93
CES10 = 79	CES35 = 88	CES60 = 89	CES85 = 81
CES11 = 62	CES36 = 78	CES61 = 84	CES86 = 55
CES12 = 68	CES37 = 82	CES62 = 68	CES87 = 79
CES13 = 45	CES38 = 54	CES63 = 68	CES88 = 72
CES14 = 75	CES39 = 90	CES64 = 69	CES89 = 62
CES15 = 72	CES40 = 86	CES65 = 66	CES90 = 67
CES16 = 49	CES41 = 75	CES66 = 64	CES91 = 89
CES17 = 51	CES42 = 83	CES67 = 63	CES92 = 67
CES18 = 57	CES43 = 68	CES68 = 71	CES93 = 78
CES19 = 74	CES44 = 98	CES69 = 81	CES94 = 52
CES20 = 68	CES45 = 76	CES70 = 65	CES95 = 76
CES21 = 89	CES46 = 68	CES71 = 64	CES96 = 78
CES22 = 81	CES47 = 60	CES72 = 88	CES97 = 76
CES23 = 92	CES48 = 47	CES73 = 59	CES98 = 71
CES24 = 92	CES49 = 65	CES74 = 85	CES99 = 65
CES25 = 74	CES50 = 74	CES75 = 66	

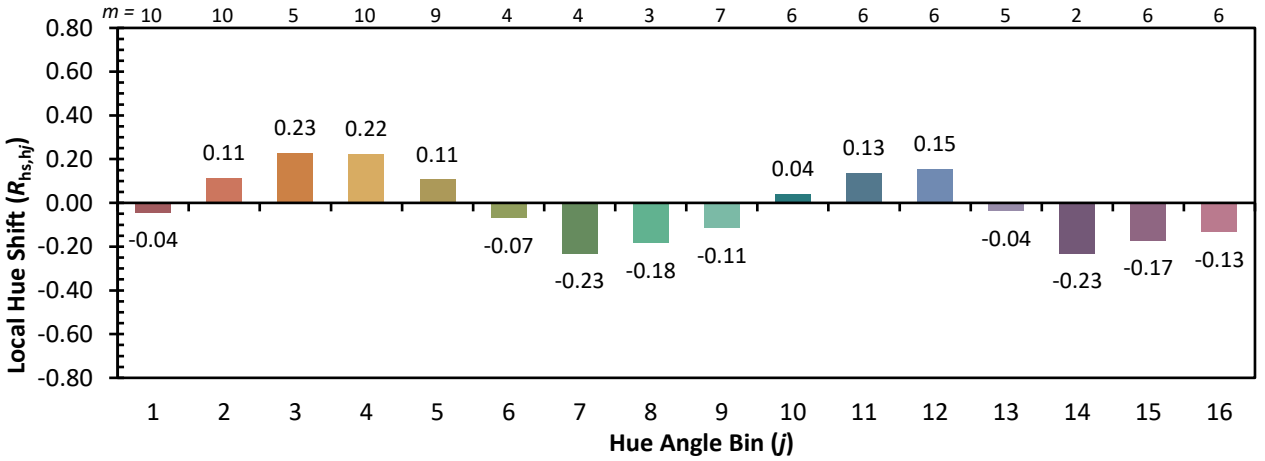


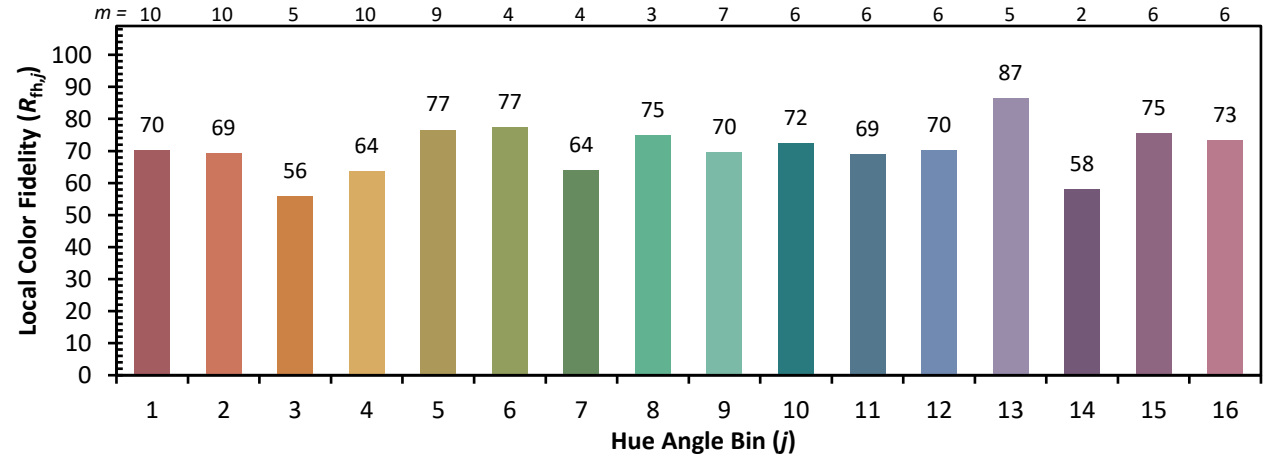
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Color Rendition by Hue-Angle Bin



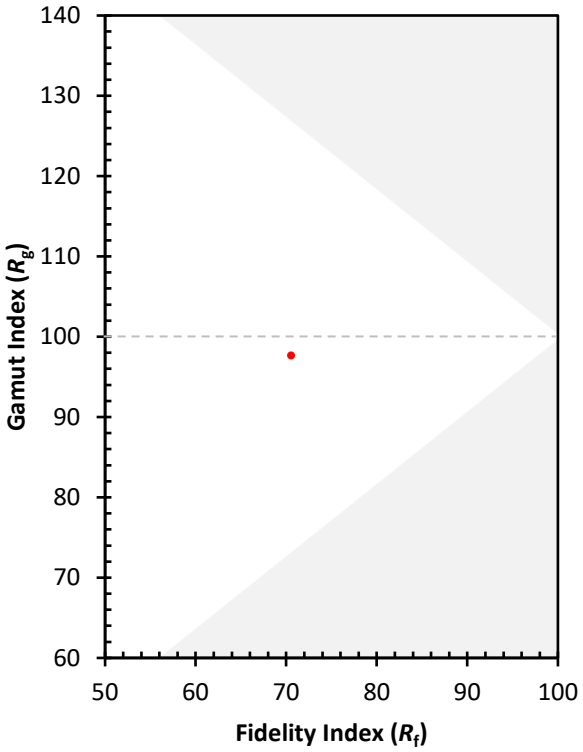


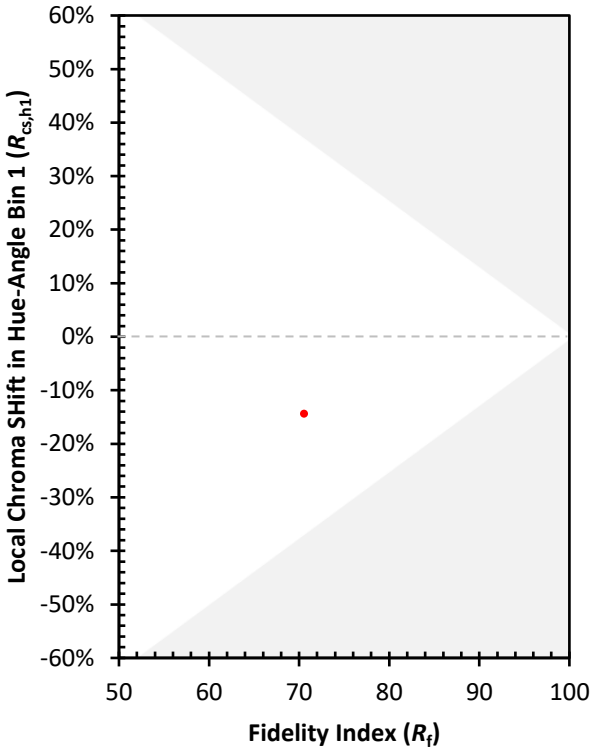


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Measure Comparisons





(END OF REPORT)