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: P1501825

Luminaire Tested: GSS-SB6A-735-U-T2LG-HSS

Issue Date: 07/20/2026

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Scaled Data Report

Test Information

Test Method:	LM-79-2024
Report Number:	P1501825
Test Lab:	INNOVATION CENTER(G1)
Issue Date:	7/20/2026
Manufacturer:	COOPER LIGHTING SOLUTIONS
Product Line:	McGRAW-EDISON
Catalog Number:	GSS-SB6A-735-U-T2LG-HSS
Description:	GALLEON II SLIM SITE HIGH DENSITY LED ARRAYS 6SQUARE 170W 70CRI 3500K FIXTURE w/ TYPE II LOW GLARE DISTRIBUTION FIXTURE W/ HOUSE SIDE SHIELD
Light Source:	(156) 3500K CCT, 70 CRI LEDS
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	21182.4 lumens
Efficiency:	N/A
Efficacy:	124.6 lumens/watt
Luminous Opening:	Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification:	Type II - Short
BUG Rating:	B2 - U0 - G2

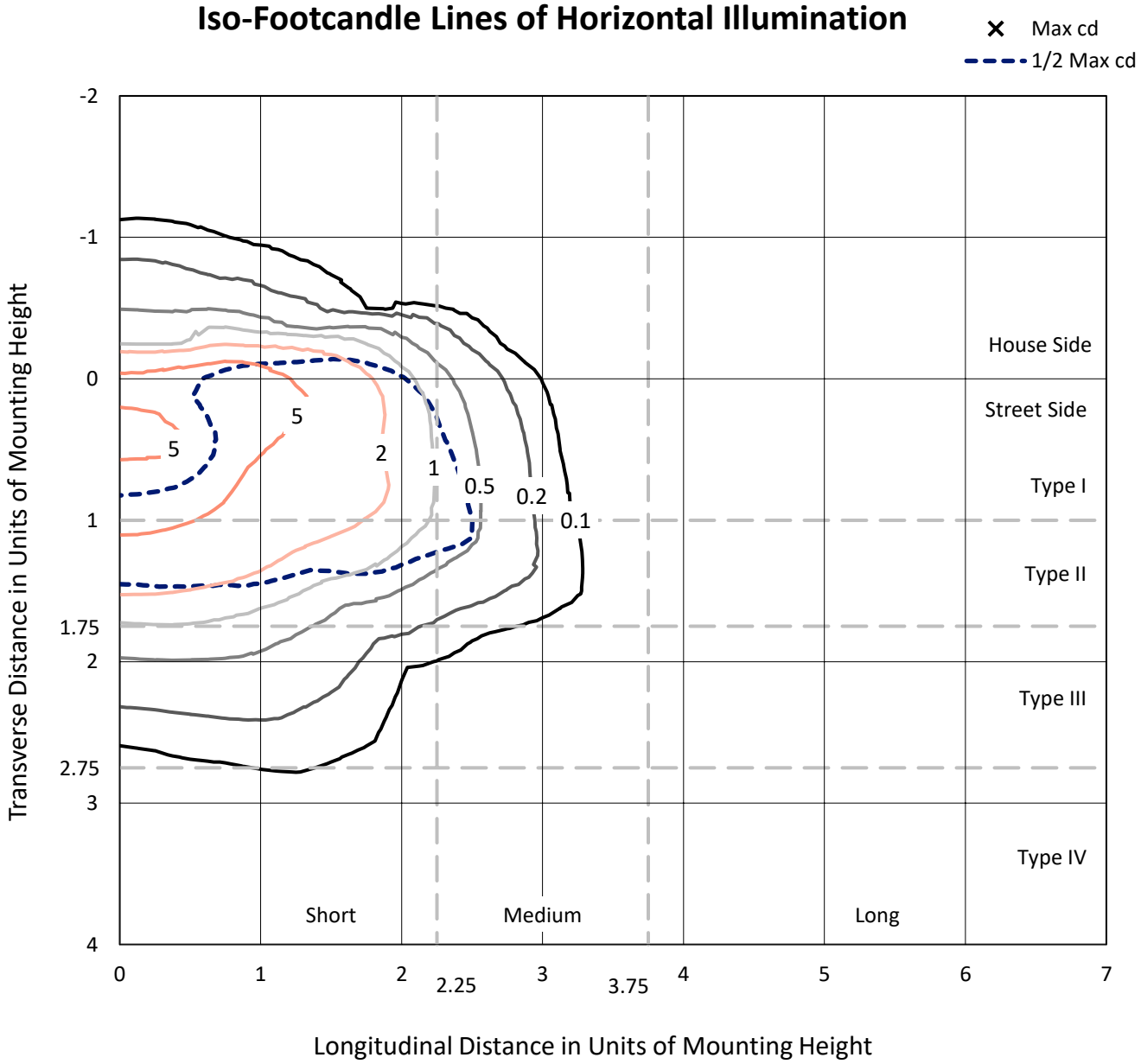
Input Watts (W):	170
Input Voltage (V):	120
Input Current (Ain):	NR
Voltage Rise (V):	NR
Power Factor:	0.98
Total Harmonic Distortion (THDi):	12.0%
Frequency (hertz):	60
Stabilization Time:	NR
Operation Time:	NR
Ambient Temperature (°C):	NR
Test Distance:	28.75 FT

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Iso-Footcandle Lines of Horizontal Illumination



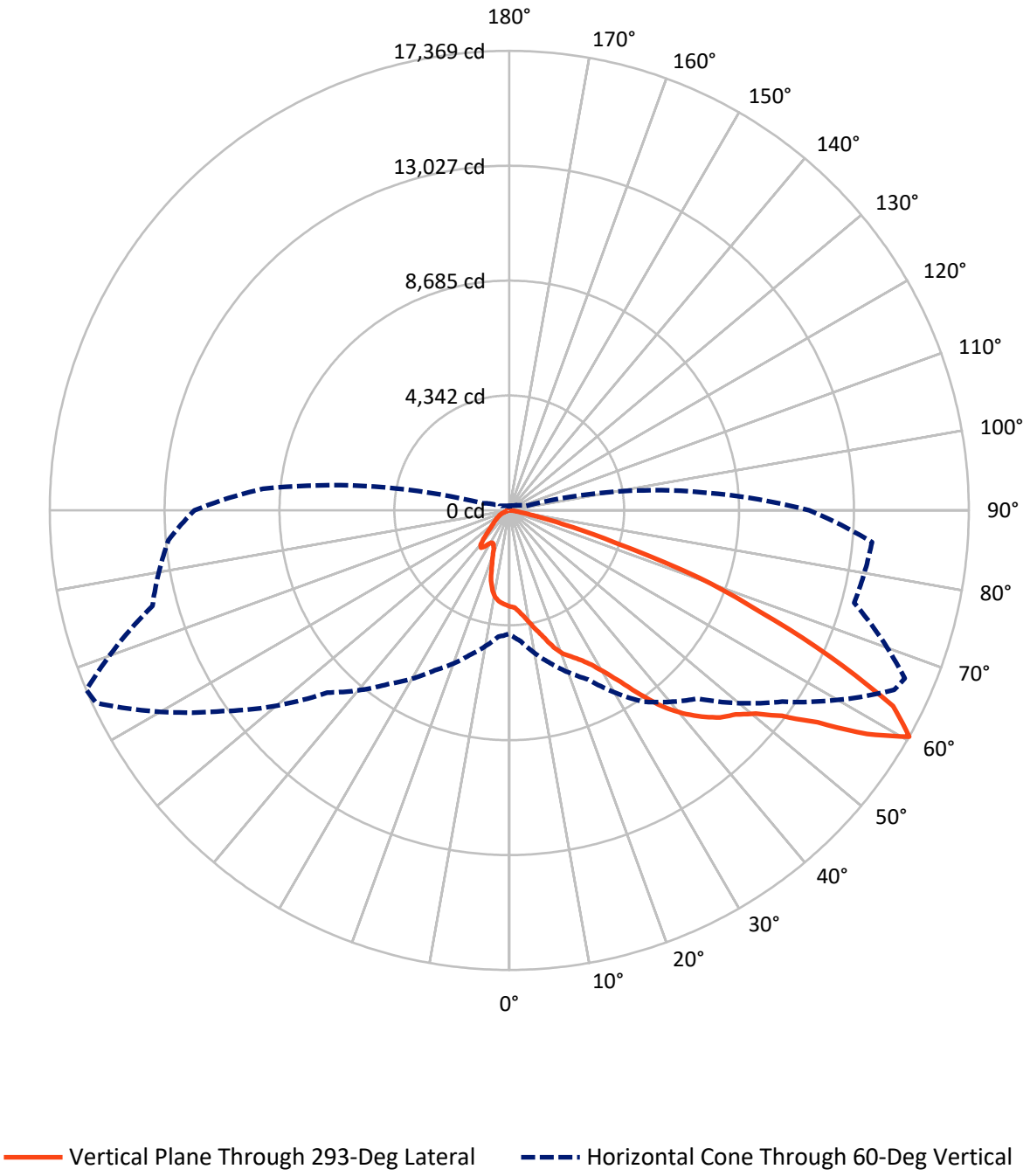
Based on 25 foot mounting height. Maximum calculated value = 9.7 fc
Type II - Short - N/A

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Luminous Intensity Polar Plot



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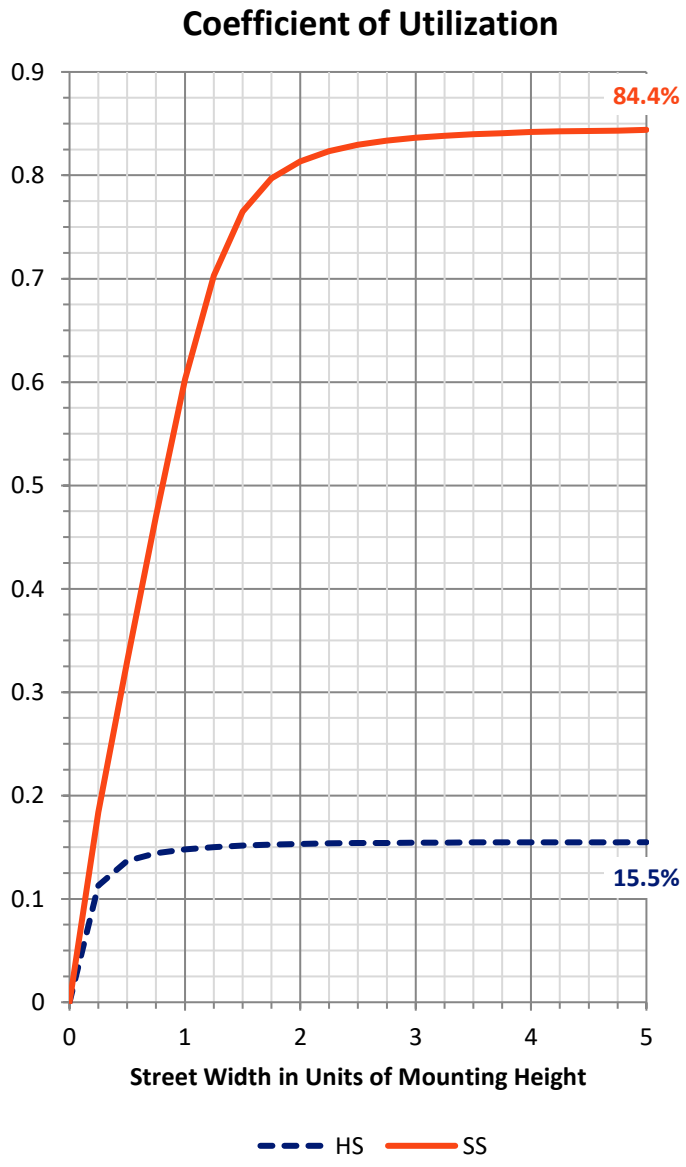
REPORT NUMBER: P1501825
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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3305.0	0.0	3305.0
	% Fixture	15.6	0.0	15.6
Street Side	Lumens	17877.4	0.0	17877.4
	% Fixture	84.4	0.0	84.4
Total	Lumens	21182.4	0.0	21182.4
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	328.7	1.6
10°-20°	827.9	3.9
20°-30°	1545.6	7.3
30°-40°	3065.0	14.5
40°-50°	4886.8	23.1
50°-60°	5838.5	27.6
60°-70°	3827.5	18.1
70°-80°	801.9	3.8
80°-90°	60.7	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°	21182.4	100.0
0°-180°	21182.4	100.0



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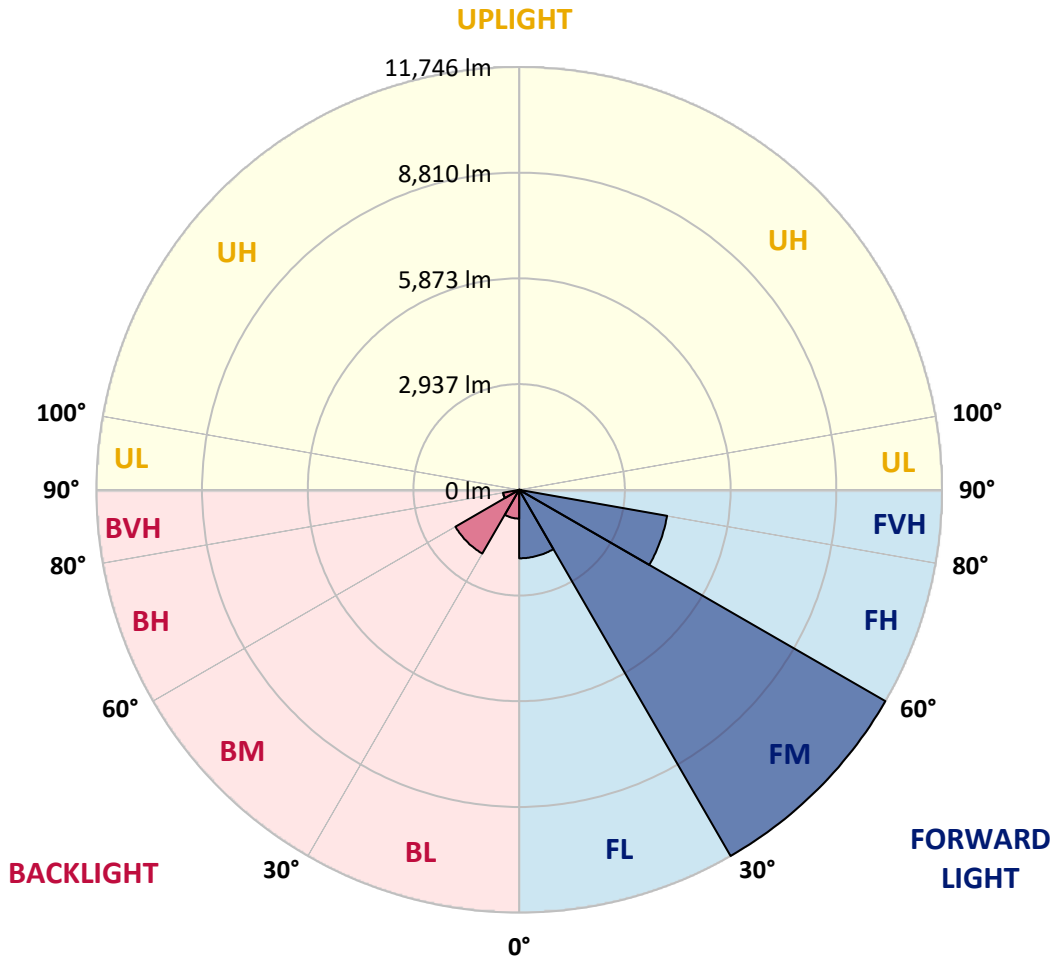
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	1902.6	9.0			
FM	(30°-60°)	11746.5	55.5			
FH	(60°-80°)	4172.8	19.7			G2/5000
FVH	(80°-90°)	55.6	0.3			G1/100
BL	(0°-30°)	799.6	3.8	B2/1000		
BM	(30°-60°)	2043.8	9.6	B2/2500		
BH	(60°-80°)	456.5	2.2	B1/500		G1/500
BVH	(80°-90°)	5.1	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°	3630.5	3630.5	3630.5	3630.5	3630.5	3630.5	3630.5	3630.5	3630.5	3630.5	3630.5
2.5°	3814.3	3802.5	3784.7	3790.6	3784.7	3761.0	3725.4	3695.7	3719.4	3683.8	3660.1
5°	3927.1	3927.1	3915.2	3915.2	3921.1	3909.3	3885.5	3844.0	3849.9	3820.3	3743.2
7.5°	3927.1	3909.3	3938.9	3968.6	4022.0	4051.6	4063.5	4039.8	4051.6	3992.3	3891.5
10°	3695.7	3683.8	3761.0	3873.7	4027.9	4164.3	4253.3	4259.3	4277.1	4217.7	4099.1
12.5°	3203.3	3179.6	3333.8	3547.4	3861.8	4176.2	4425.4	4520.3	4561.8	4538.1	4372.0
15°	2746.6	2776.2	2883.0	3114.4	3535.5	4016.0	4520.3	4834.7	4894.0	4923.7	4727.9
17.5°	2699.1	2705.0	2740.6	2853.3	3173.7	3755.0	4532.1	5160.9	5244.0	5374.5	5107.5
20°	2829.6	2817.8	2853.3	2888.9	3043.2	3523.7	4419.4	5475.3	5635.5	5914.3	5623.6
22.5°	3072.8	3072.8	3090.6	3114.4	3191.5	3505.9	4372.0	5766.0	6038.9	6608.4	6270.2
25°	3482.1	3434.7	3446.6	3416.9	3482.1	3719.4	4478.7	5997.4	6371.1	7379.5	7041.4
27.5°	4116.9	4134.7	4027.9	3867.7	3903.3	4105.0	4739.8	6258.4	6715.1	8180.4	7824.5
30°	4994.8	4965.2	4899.9	4585.5	4443.2	4621.1	5220.3	6685.5	7177.9	9194.8	8868.5
32.5°	5683.0	5766.0	5653.3	5433.8	5214.3	5267.7	5896.5	7373.6	7741.4	10126.1	9948.1
35°	6513.5	6513.5	6537.2	6228.7	6080.4	6068.5	6744.8	8121.1	8488.8	10968.5	11093.0
37.5°	7634.6	7557.5	7427.0	7082.9	6970.2	7118.5	7539.7	8892.2	9289.7	11650.7	11982.9
40°	8577.8	8631.2	8613.4	8115.1	7895.6	8055.8	8429.5	9550.7	9859.2	12089.6	12700.6
42.5°	9503.2	9532.9	9455.8	9218.5	8898.2	8910.0	9218.5	10049.0	10363.4	12510.8	13376.9
45°	10197.3	10191.4	10138.0	10078.7	9888.8	9693.1	9746.5	10600.7	10873.6	12647.3	13744.7
47.5°	10416.8	10464.2	10511.7	10677.8	10808.3	10499.8	10227.0	10897.3	11146.4	12623.5	13881.1
50°	10215.1	10315.9	10547.3	10796.4	11241.3	11217.6	10630.3	11217.6	11460.8	12754.0	14041.3
52.5°	9764.3	9865.1	10173.6	10624.4	11294.7	11626.9	11377.8	11757.4	12042.2	13086.2	14373.5
55°	8714.3	8755.8	9390.5	9983.7	11027.8	11449.0	12178.6	12671.0	12908.3	13489.6	14812.5
57.5°	7094.8	7195.6	7818.5	8785.5	10280.3	10980.3	12635.4	14231.1	14225.2	13875.2	14907.4
60°	*4668.6*	*4965.2*	*5979.6*	*7047.3*	*8832.9*	*10060.9*	*12605.7*	*16058.2*	*16242.1*	*13495.6*	*13762.5*
62.5°	3565.2	3689.8	4265.2	5155.0	6537.2	8340.5	12410.0	16604.0	16746.3	12475.2	12048.1
65°	2681.3	2835.5	3387.2	4182.1	4615.2	5653.3	11128.6	14432.8	14628.6	11134.6	9366.8
67.5°	1643.2	1767.8	2503.4	3434.7	3494.0	3511.8	7510.1	10932.9	11004.1	8981.2	6305.8
70°	1097.4	1222.0	1732.2	2639.8	2782.2	2022.8	4122.8	8275.3	8269.4	6145.7	3832.1
72.5°	634.7	694.1	1097.4	1945.7	2188.9	1287.3	2058.4	5261.8	5030.4	2888.9	1791.5
75°	361.9	403.4	605.1	1251.7	1536.4	818.6	812.7	2817.8	2491.5	1489.0	978.8
77.5°	219.5	237.3	332.2	818.6	925.4	551.7	450.8	1311.0	1263.5	872.0	516.1
80°	106.8	124.6	201.7	480.5	593.2	296.6	272.9	516.1	551.7	480.5	272.9
82.5°	35.6	47.5	112.7	183.9	385.6	118.6	112.7	284.7	302.5	284.7	130.5
85°	17.8	23.7	53.4	59.3	148.3	59.3	41.5	124.6	154.2	94.9	53.4
87.5°	0.0	5.9	5.9	5.9	5.9	5.9	5.9	11.9	11.9	11.9	11.9
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°	3630.5	3630.5	3630.5	3630.5	3630.5	3630.5	3630.5	3630.5	3630.5	3630.5	3630.5
2.5°	3642.3	3630.5	3606.7	3565.2	3559.3	3529.6	3482.1	3452.5	3428.8	3446.6	3452.5
5°	3707.6	3677.9	3606.7	3494.0	3375.4	3256.7	3144.0	3013.5	2924.5	2912.7	2888.9
7.5°	3826.2	3766.9	3612.7	3393.2	3090.6	2805.9	2473.7	2153.4	1993.2	1969.5	1916.1
10°	4016.0	3915.2	3660.1	3215.2	2633.9	2040.6	1536.4	1192.4	996.6	961.0	972.9
12.5°	4241.5	4099.1	3666.0	2912.7	2005.1	1263.5	872.0	741.5	700.0	682.2	682.2
15°	4532.1	4324.5	3660.1	2521.1	1352.5	812.7	700.0	646.6	628.8	616.9	616.9
17.5°	4899.9	4627.0	3618.6	1933.9	913.5	705.9	640.7	599.1	575.4	569.5	569.5
20°	5333.0	4965.2	3523.7	1441.5	765.2	658.5	605.1	551.7	533.9	522.0	522.0
22.5°	5884.7	5374.5	3339.8	1121.2	723.7	628.8	569.5	510.2	492.4	480.5	480.5
25°	6525.3	5896.5	3096.6	1008.5	717.8	605.1	533.9	474.6	456.8	450.8	444.9
27.5°	7284.6	6454.1	2871.1	1014.4	729.6	587.3	498.3	444.9	427.1	409.3	415.2
30°	8180.4	7029.6	2687.2	1085.6	741.5	569.5	474.6	427.1	409.3	385.6	385.6
32.5°	9064.3	7705.8	2669.4	1216.1	783.0	557.6	450.8	403.4	385.6	367.8	367.8
35°	9971.9	8322.8	2770.3	1388.1	866.1	539.8	421.2	379.7	361.9	350.0	344.1
37.5°	10838.0	8815.1	2865.2	1494.9	818.6	462.7	385.6	350.0	332.2	308.5	308.5
40°	11413.4	9082.1	2883.0	1411.8	676.3	415.2	350.0	314.4	290.7	278.8	272.9
42.5°	11834.6	9254.1	2681.3	1144.9	587.3	379.7	320.3	284.7	266.9	255.1	255.1
45°	12006.6	9194.8	2337.3	872.0	539.8	350.0	290.7	261.0	249.1	237.3	237.3
47.5°	11982.9	8921.9	1987.3	700.0	492.4	320.3	272.9	249.1	237.3	225.4	219.5
50°	11941.3	8666.8	1631.3	622.9	439.0	302.5	255.1	237.3	219.5	207.6	201.7
52.5°	12214.2	8583.8	1352.5	569.5	409.3	290.7	249.1	225.4	207.6	195.8	195.8
55°	12487.1	8619.4	1061.8	533.9	379.7	284.7	243.2	219.5	201.7	183.9	183.9
57.5°	12469.3	8465.1	806.8	498.3	355.9	278.8	237.3	213.6	183.9	172.0	172.0
60°	*11336.3*	*7551.6*	*628.8*	*456.8*	*326.3*	*261.0*	*219.5*	*201.7*	*172.0*	*154.2*	*154.2*
62.5°	9586.3	5938.0	516.1	403.4	290.7	237.3	201.7	183.9	154.2	124.6	124.6
65°	7082.9	4283.0	415.2	350.0	266.9	207.6	183.9	160.2	124.6	100.8	94.9
67.5°	4793.1	2633.9	332.2	290.7	237.3	178.0	154.2	136.4	112.7	83.0	77.1
70°	2841.5	1400.0	243.2	201.7	178.0	130.5	130.5	118.6	94.9	71.2	65.3
72.5°	1352.5	486.4	178.0	148.3	136.4	94.9	100.8	100.8	77.1	53.4	47.5
75°	688.1	237.3	118.6	106.8	89.0	71.2	83.0	77.1	53.4	35.6	35.6
77.5°	391.5	166.1	83.0	71.2	59.3	47.5	53.4	47.5	29.7	17.8	17.8
80°	219.5	118.6	53.4	47.5	35.6	29.7	29.7	23.7	17.8	5.9	5.9
82.5°	83.0	71.2	35.6	23.7	17.8	17.8	11.9	11.9	5.9	0.0	0.0
85°	35.6	17.8	17.8	11.9	11.9	5.9	5.9	5.9	0.0	0.0	0.0
87.5°	5.9	5.9	5.9	5.9	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°	3630.5	3630.5	3630.5	3630.5	3630.5	3630.5	3630.5	3630.5	3630.5	3630.5	3630.5
2.5°	3405.0	3416.9	3428.8	3476.2	3488.1	3523.7	3553.3	3588.9	3594.9	3642.3	3642.3
5°	2936.4	2930.5	3031.3	3179.6	3274.5	3405.0	3505.9	3612.7	3672.0	3749.1	3784.7
7.5°	1945.7	2094.0	2319.5	2580.5	2918.6	3233.0	3470.3	3677.9	3820.3	3909.3	3944.9
10°	966.9	1050.0	1287.3	1714.4	2289.8	2930.5	3434.7	3820.3	4051.6	4152.5	4217.7
12.5°	682.2	700.0	741.5	972.9	1524.6	2432.2	3322.0	3974.5	4294.8	4484.7	4567.7
15°	611.0	622.9	640.7	705.9	943.2	1815.2	3120.3	4146.5	4674.5	4894.0	5000.8
17.5°	563.6	569.5	587.3	640.7	741.5	1233.9	2794.0	4330.4	5131.3	5398.2	5599.9
20°	522.0	522.0	539.8	605.1	688.1	949.1	2325.4	4538.1	5712.6	6098.2	6299.9
22.5°	474.6	486.4	498.3	569.5	670.3	866.1	1886.4	4698.2	6359.2	6827.9	7065.1
25°	439.0	450.8	462.7	533.9	652.5	866.1	1631.3	4799.1	7082.9	7640.6	7966.8
27.5°	409.3	421.2	439.0	510.2	634.7	901.7	1530.5	4828.7	7871.9	8595.6	9034.6
30°	385.6	397.5	415.2	492.4	646.6	943.2	1566.1	4787.2	8672.7	9580.4	10102.4
32.5°	361.9	373.7	391.5	474.6	646.6	996.6	1684.7	4704.2	9449.9	10565.1	11205.8
35°	344.1	350.0	355.9	427.1	587.3	990.7	1833.0	4621.1	10232.9	11538.0	12285.4
37.5°	308.5	314.4	326.3	367.8	468.6	901.7	1862.7	4520.3	10849.8	12356.6	13181.1
40°	272.9	284.7	296.6	338.1	391.5	729.6	1732.2	4306.7	11176.1	12985.4	13987.9
42.5°	249.1	255.1	266.9	308.5	361.9	581.3	1453.4	3933.0	11466.8	13412.5	14575.2
45°	231.4	237.3	249.1	278.8	338.1	504.2	1144.9	3476.2	11490.5	13548.9	14859.9
47.5°	213.6	219.5	225.4	255.1	326.3	450.8	878.0	3061.0	11484.6	13726.9	15103.2
50°	201.7	207.6	219.5	243.2	308.5	403.4	723.7	2722.8	11733.7	14112.5	15595.5
52.5°	195.8	195.8	213.6	237.3	290.7	367.8	605.1	2420.3	11864.2	14492.1	15951.4
55°	183.9	189.8	201.7	225.4	272.9	350.0	516.1	2040.6	11923.5	14682.0	16016.7
57.5°	172.0	178.0	195.8	213.6	261.0	332.2	444.9	1524.6	11075.3	13691.3	14925.2
60°	*154.2*	*166.1*	*189.8*	*207.6*	*243.2*	*302.5*	*391.5*	*1032.2*	*9343.1*	*11899.8*	*12932.0*
62.5°	124.6	148.3	172.0	183.9	219.5	255.1	332.2	688.1	7462.6	9847.3	11021.9
65°	94.9	124.6	142.4	160.2	183.9	213.6	278.8	468.6	4977.0	6626.2	7949.0
67.5°	83.0	106.8	118.6	130.5	154.2	183.9	225.4	326.3	3019.4	3980.4	5285.5
70°	65.3	89.0	100.8	94.9	118.6	142.4	160.2	219.5	1542.3	2159.3	3007.6
72.5°	47.5	71.2	77.1	77.1	71.2	100.8	118.6	154.2	670.3	1050.0	1364.4
75°	35.6	47.5	53.4	47.5	41.5	65.3	83.0	100.8	439.0	628.8	794.9
77.5°	17.8	17.8	29.7	29.7	17.8	35.6	41.5	59.3	249.1	367.8	456.8
80°	5.9	0.0	0.0	5.9	0.0	11.9	17.8	29.7	130.5	195.8	284.7
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.9	65.3	59.3	148.3
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	11.9	35.6
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: P1501825
CATALOG NUMBER: GSS-SB6A-735-U-T2LG-HSS

CANDELA DISTRIBUTION (continued):

	285°	293°	295°	305°	315°	325°	335°	345°	355°	360°
0°	3630.5	*3630.5*	3630.5	3630.5	3630.5	3630.5	3630.5	3630.5	3630.5	3630.5
2.5°	3672.0	*3672.0*	3695.7	3731.3	3749.1	3761.0	3766.9	3778.8	3826.2	3814.3
5°	3826.2	*3838.1*	3855.9	3891.5	3933.0	3921.1	3921.1	3921.1	3950.8	3927.1
7.5°	4027.9	*4063.5*	4069.4	4111.0	4081.3	4022.0	3986.4	3933.0	3927.1	3927.1
10°	4354.2	*4342.3*	4342.3	4288.9	4182.1	4010.1	3855.9	3749.1	3689.8	3695.7
12.5°	4704.2	*4656.7*	4662.6	4466.9	4164.3	3784.7	3470.3	3238.9	3221.1	3203.3
15°	5137.2	*5012.6*	4988.9	4538.1	3897.4	3316.0	3007.6	2823.7	2764.4	2746.6
17.5°	5754.1	*5439.7*	5327.0	4413.5	3547.4	3025.4	2794.0	2711.0	2705.0	2699.1
20°	6406.7	*5783.8*	5570.3	4229.6	3428.8	3031.3	2859.3	2835.5	2823.7	2829.6
22.5°	7166.0	*6003.3*	5730.4	4259.3	3535.5	3227.1	3090.6	3072.8	3061.0	3072.8
25°	7949.0	*6258.4*	5920.2	4496.5	3855.9	3588.9	3428.8	3393.2	3428.8	3482.1
27.5°	8738.0	*6602.4*	6294.0	4965.2	4372.0	4081.3	3927.1	4057.6	4111.0	4116.9
30°	9438.0	*7082.9*	6798.2	5623.6	4959.2	4668.6	4698.2	4864.3	4929.6	4994.8
32.5°	10078.7	*7723.6*	7504.1	6371.1	5718.6	5546.5	5528.7	5653.3	5724.5	5683.0
35°	10725.3	*8560.0*	8346.5	7183.8	6649.9	6507.5	6359.2	6602.4	6578.7	6513.5
37.5°	11336.3	*9402.4*	9206.6	8055.8	7504.1	7255.0	7231.2	7450.7	7646.5	7634.6
40°	11775.2	*10084.6*	9847.3	8921.9	8399.9	8186.3	8310.9	8690.5	8643.1	8577.8
42.5°	12178.6	*10665.9*	10452.4	9681.2	9135.4	9230.4	9343.1	9598.2	9568.5	9503.2
45°	12368.5	*11164.2*	10980.3	10256.6	9989.7	10292.2	10286.3	10381.2	10221.0	10197.3
47.5°	12635.4	*11520.2*	11330.3	10772.7	11010.0	11134.6	10784.6	10683.7	10535.4	10416.8
50°	13127.8	*12071.8*	11882.0	11555.8	11757.4	11371.9	10944.7	10725.3	10422.7	10215.1
52.5°	13703.2	*12908.3*	12742.2	12611.7	12048.1	11253.2	10707.5	10310.0	9942.2	9764.3
55°	14426.9	*14142.2*	14023.5	13305.7	11787.1	10766.8	10126.1	9384.6	8880.4	8714.3
57.5°	14664.2	*15951.4*	15909.9	13418.4	11057.5	9882.9	8726.1	7723.6	7201.6	7094.8
60°	*13964.2*	*17369.2*	*17220.9*	*13228.6*	*9734.6*	*8020.2*	*6667.7*	*5641.4*	*4793.1*	*4668.6*
62.5°	13068.4	*16283.6*	16230.3	12273.5	7415.1	5748.2	4983.0	4022.0	3660.1	3565.2
65°	11193.9	*13323.5*	13347.2	9847.3	4692.3	4128.7	4093.2	3197.4	2752.5	2681.3
67.5°	8619.4	*10221.0*	10054.9	6193.1	2734.7	3304.2	3268.6	2337.3	1690.7	1643.2
70°	5036.4	*7610.9*	7344.0	3221.1	1809.3	2758.4	2515.2	1643.2	1150.8	1097.4
72.5°	2224.5	*4188.1*	4496.5	1417.8	1275.4	2194.9	1815.2	1008.5	646.6	634.7
75°	1233.9	*2076.2*	2171.2	616.9	895.7	1560.1	1097.4	563.6	367.8	361.9
77.5°	741.5	*919.5*	895.7	397.5	670.3	996.6	664.4	320.3	231.4	219.5
80°	415.2	*421.2*	355.9	290.7	397.5	557.6	373.7	201.7	106.8	106.8
82.5°	255.1	*231.4*	183.9	89.0	106.8	338.1	136.4	112.7	35.6	35.6
85°	106.8	*71.2*	47.5	17.8	41.5	89.0	47.5	53.4	17.8	17.8
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: SP1-2407-184-5

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

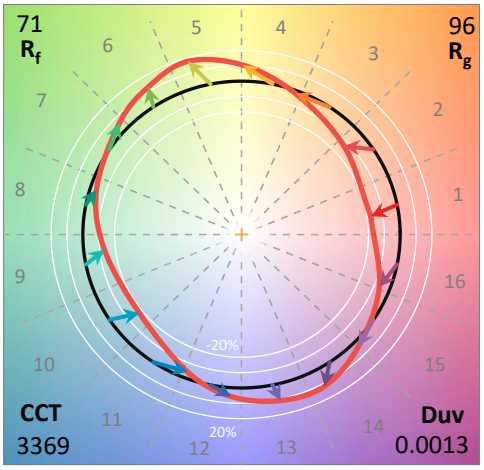
Test Information

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

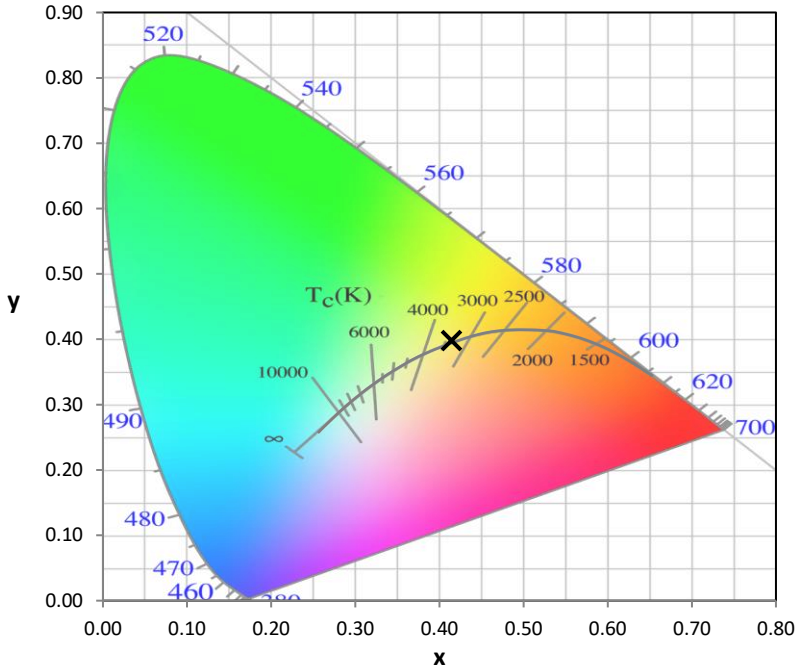
Stabilization Time:	21M
Operation Time:	1H 21M
Sphere Temperature (°C):	25.2

REPORT NUMBER: SP1-2407-184-5

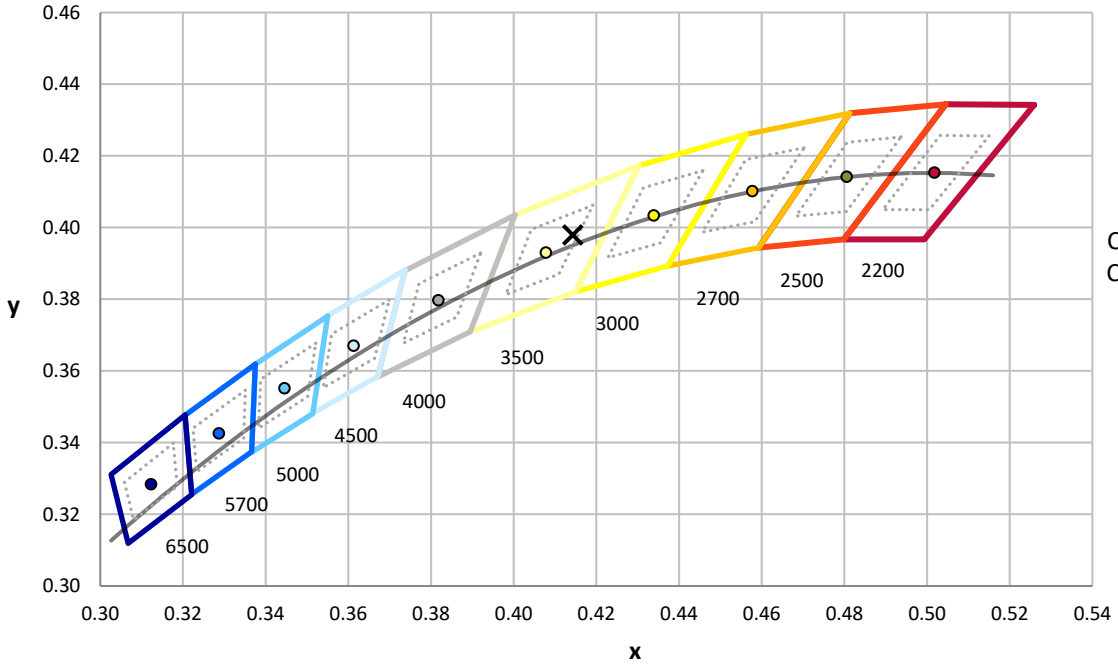
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

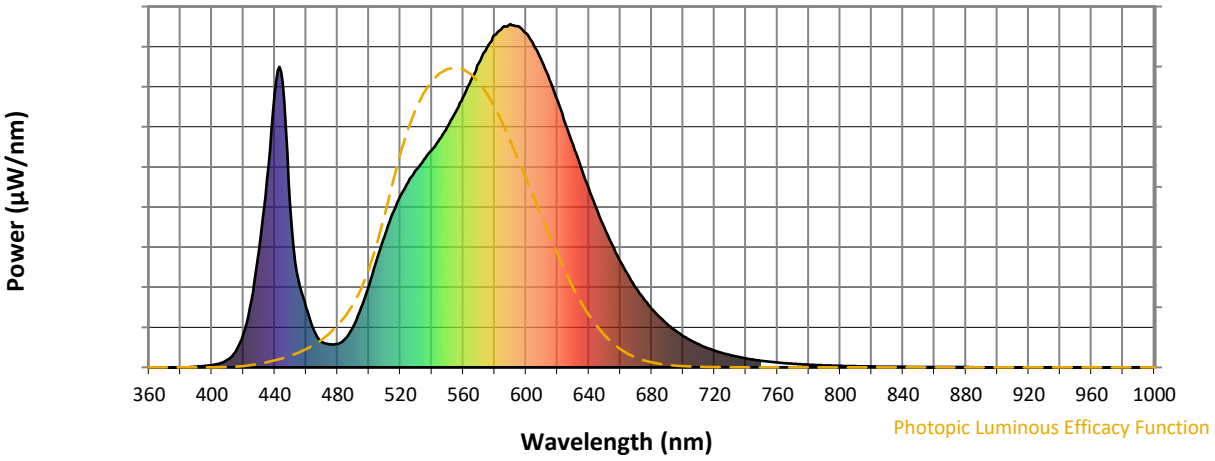


CCT = 3369K
CIE x = 0.4143
CIE y = 0.3980
Duv = 0.0013

Point lies inside the ANSI 3500K 4-step quadrangle

REPORT NUMBER: SP1-2407-184-5

Photopic Flux vs. Wavelength

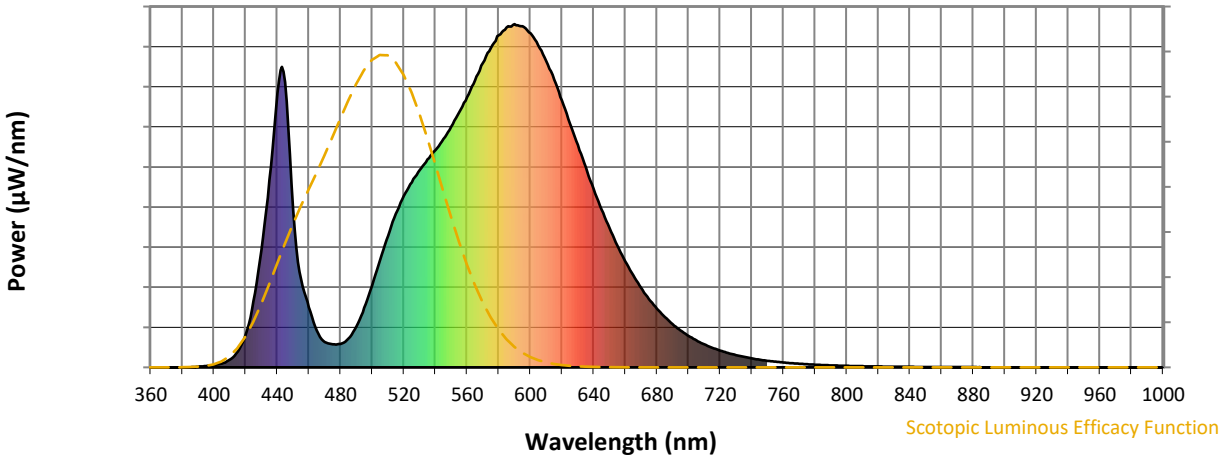


Photopic Lumens: NR

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

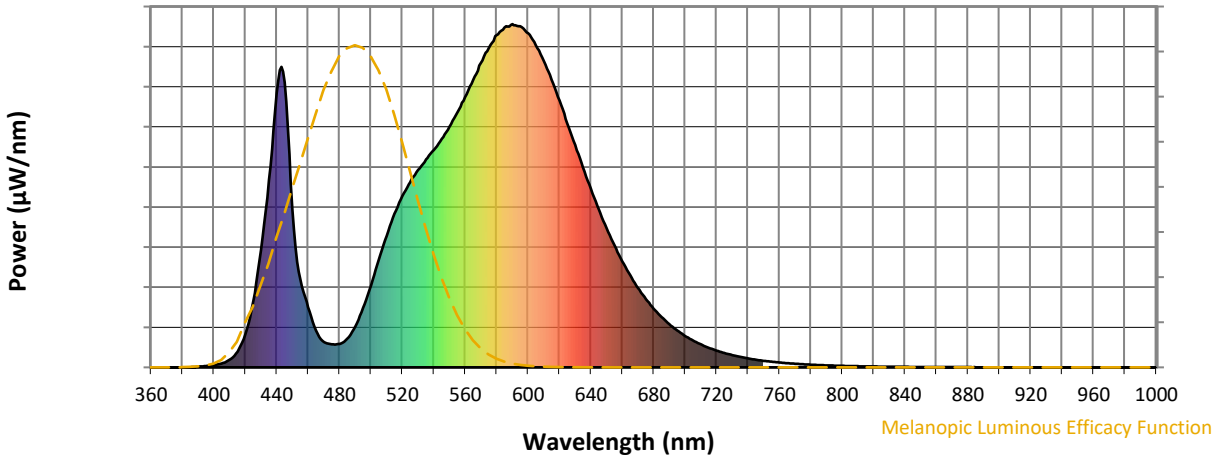


Scotopic Lumens: NR **S/P: 1.29**

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			

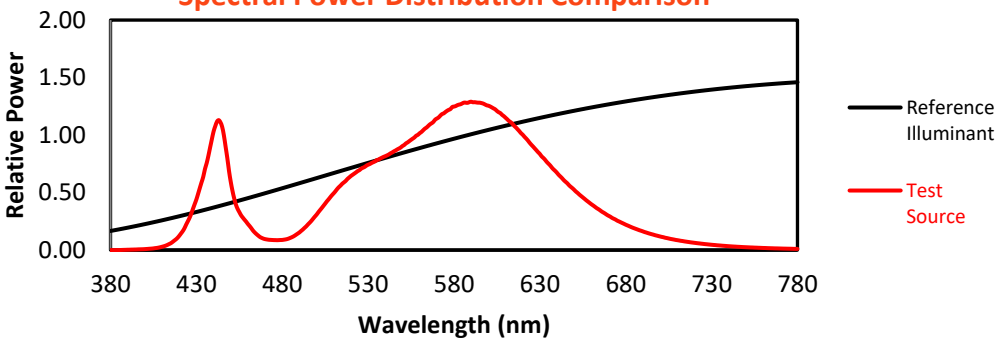
REPORT NUMBER: SP1-2407-184-5

TM-30-18

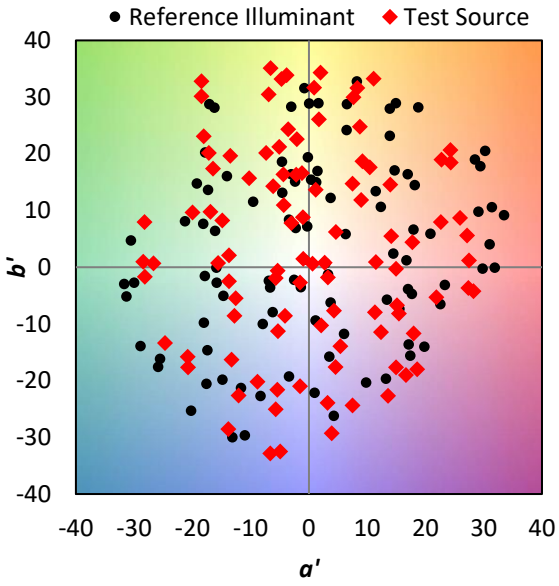
Summary

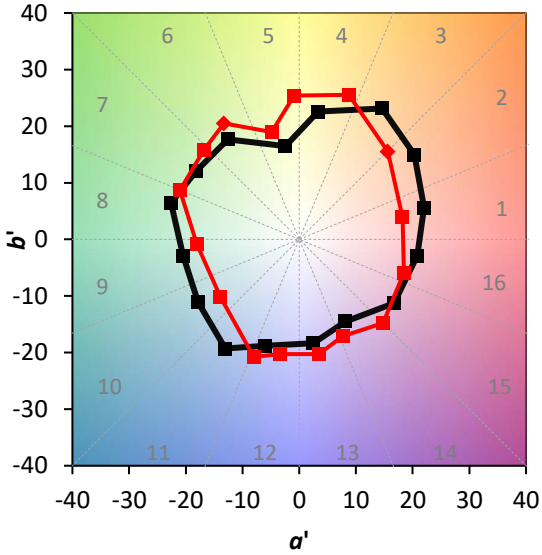
R_f = 71.4
R_g = 96
CIE R_a = 70.1
R_9 = -40.2

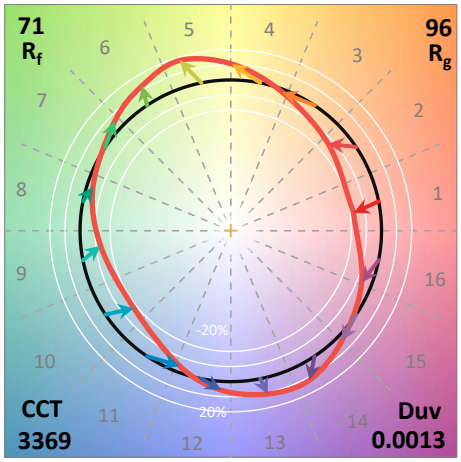
Spectral Power Distribution Comparison

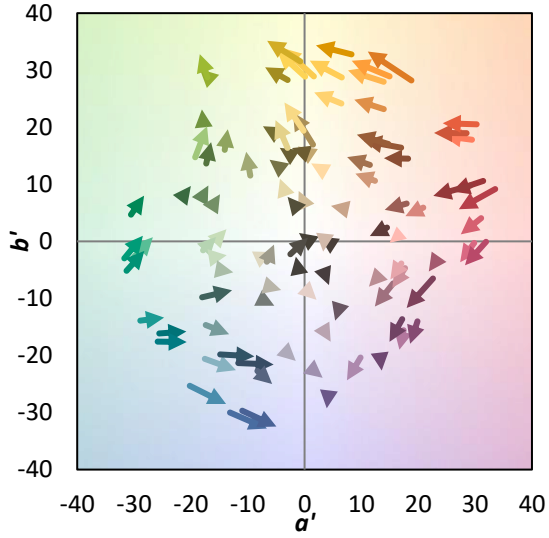


Color Vector Graphics







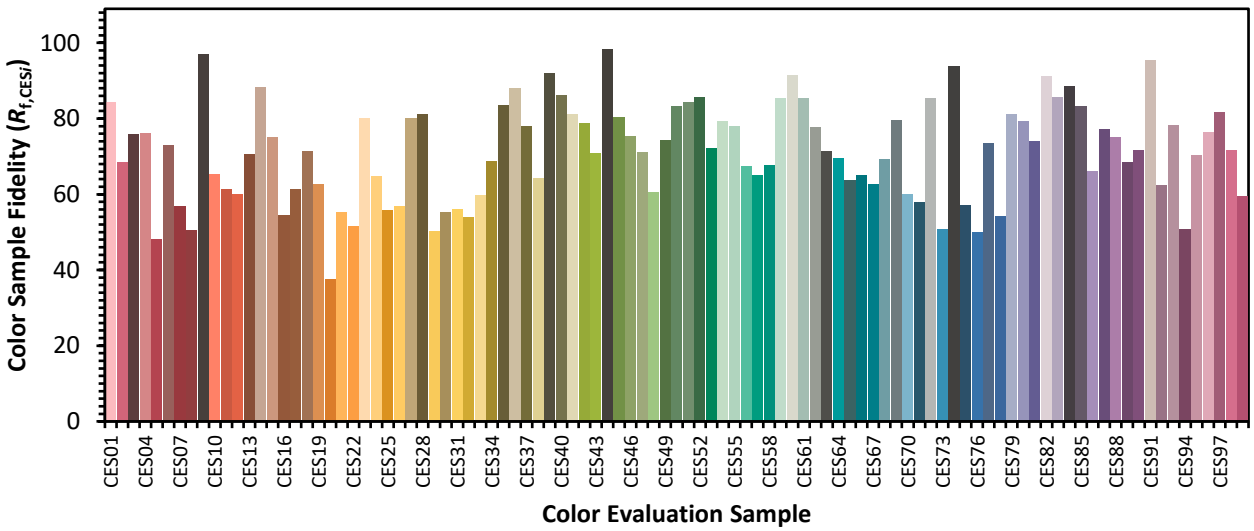


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Individual Sample Fidelity Index ($R_{f,i}$)

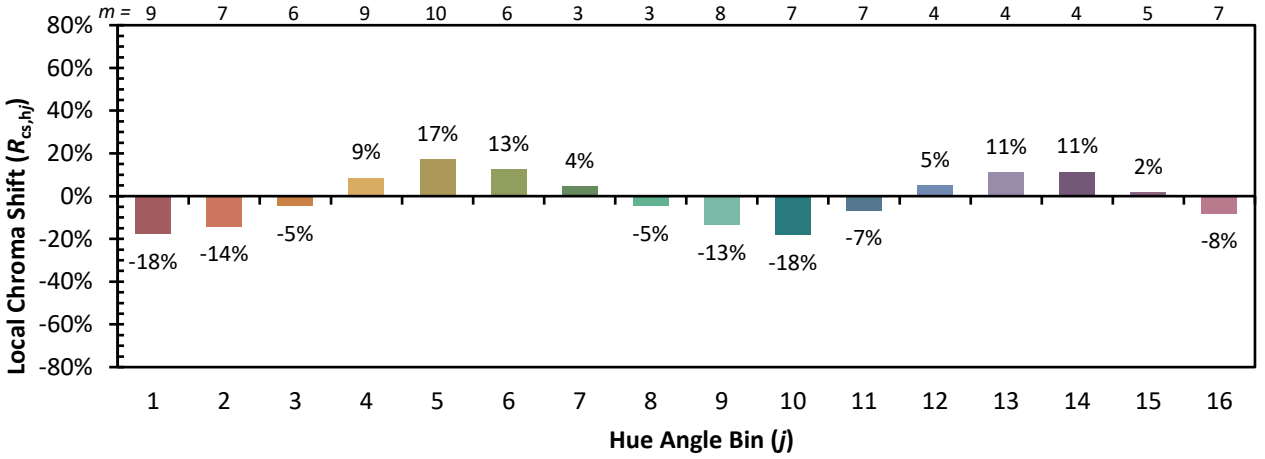
CES01 = 86	CES26 = 57	CES51 = 84	CES76 = 50
CES02 = 62	CES27 = 80	CES52 = 86	CES77 = 74
CES03 = 31	CES28 = 81	CES53 = 72	CES78 = 54
CES04 = 70	CES29 = 50	CES54 = 79	CES79 = 81
CES05 = 48	CES30 = 55	CES55 = 78	CES80 = 79
CES06 = 51	CES31 = 56	CES56 = 67	CES81 = 74
CES07 = 40	CES32 = 54	CES57 = 65	CES82 = 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	

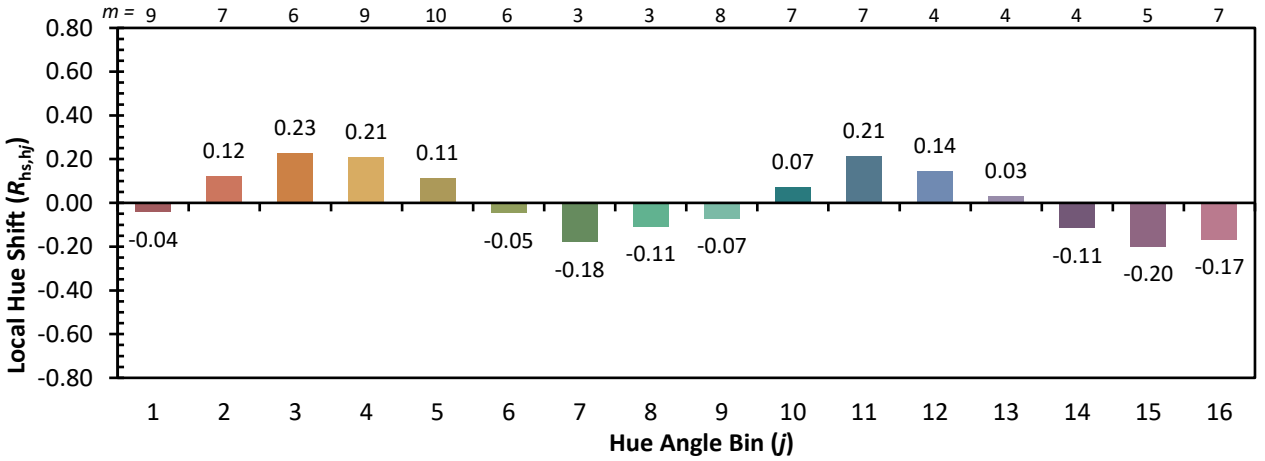


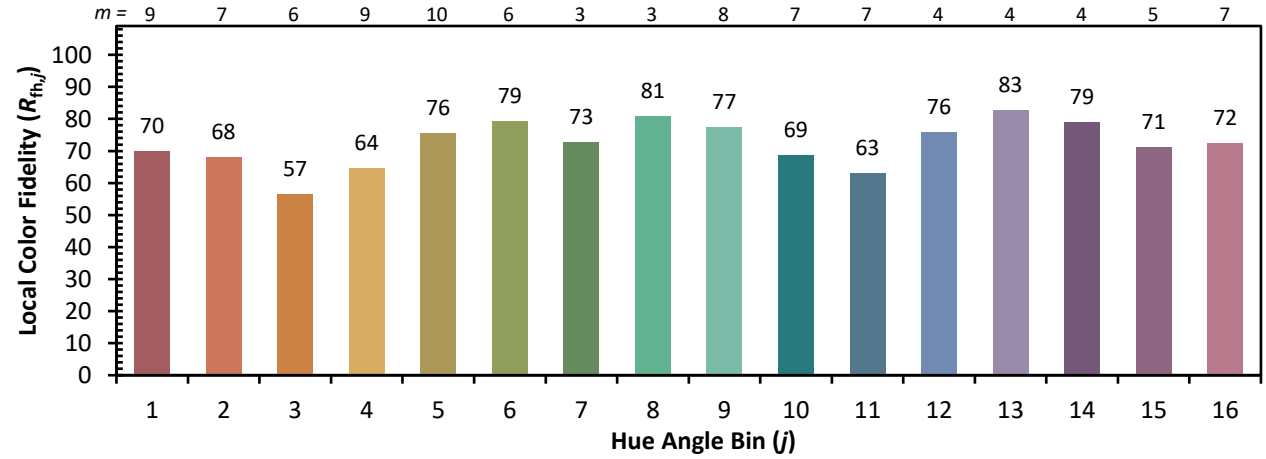
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Color Rendition by Hue-Angle Bin



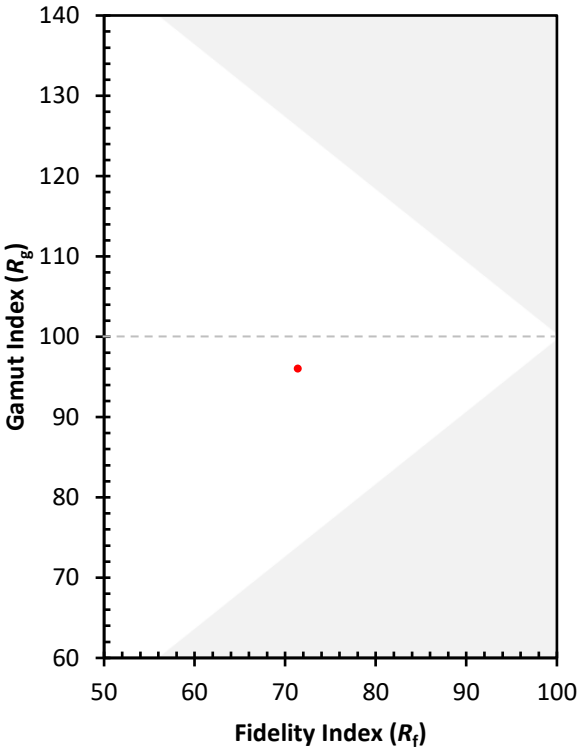


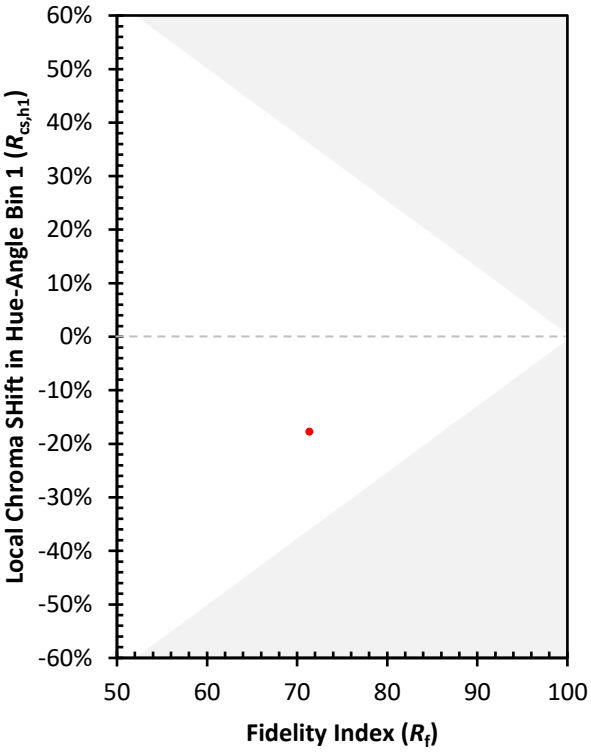


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Measure Comparisons





(END OF REPORT)