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: P1501774

Luminaire Tested: GSS-SB5B-727-U-T2LG-HSS

Issue Date: 07/20/2026

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Scaled Data Report

Test Information

Test Method:	LM-79-2024
Report Number:	P1501774
Test Lab:	INNOVATION CENTER(G1)
Issue Date:	7/20/2026
Manufacturer:	COOPER LIGHTING SOLUTIONS
Product Line:	McGRAW-EDISON
Catalog Number:	GSS-SB5B-727-U-T2LG-HSS
Description:	GALLEON II SLIM SITE HIGH DENSITY LED ARRAYS 5SQUARE 184W 70CRI 2700K FIXTURE w/ TYPE II LOW GLARE DISTRIBUTION FIXTURE W/ HOUSE SIDE SHIELD
Light Source:	(130) 2700K CCT, 70 CRI LEDS
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	20628 lumens
Efficiency:	N/A
Efficacy:	112.1 lumens/watt
Luminous Opening:	Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification:	Type II - Short
BUG Rating:	B2 - U0 - G2

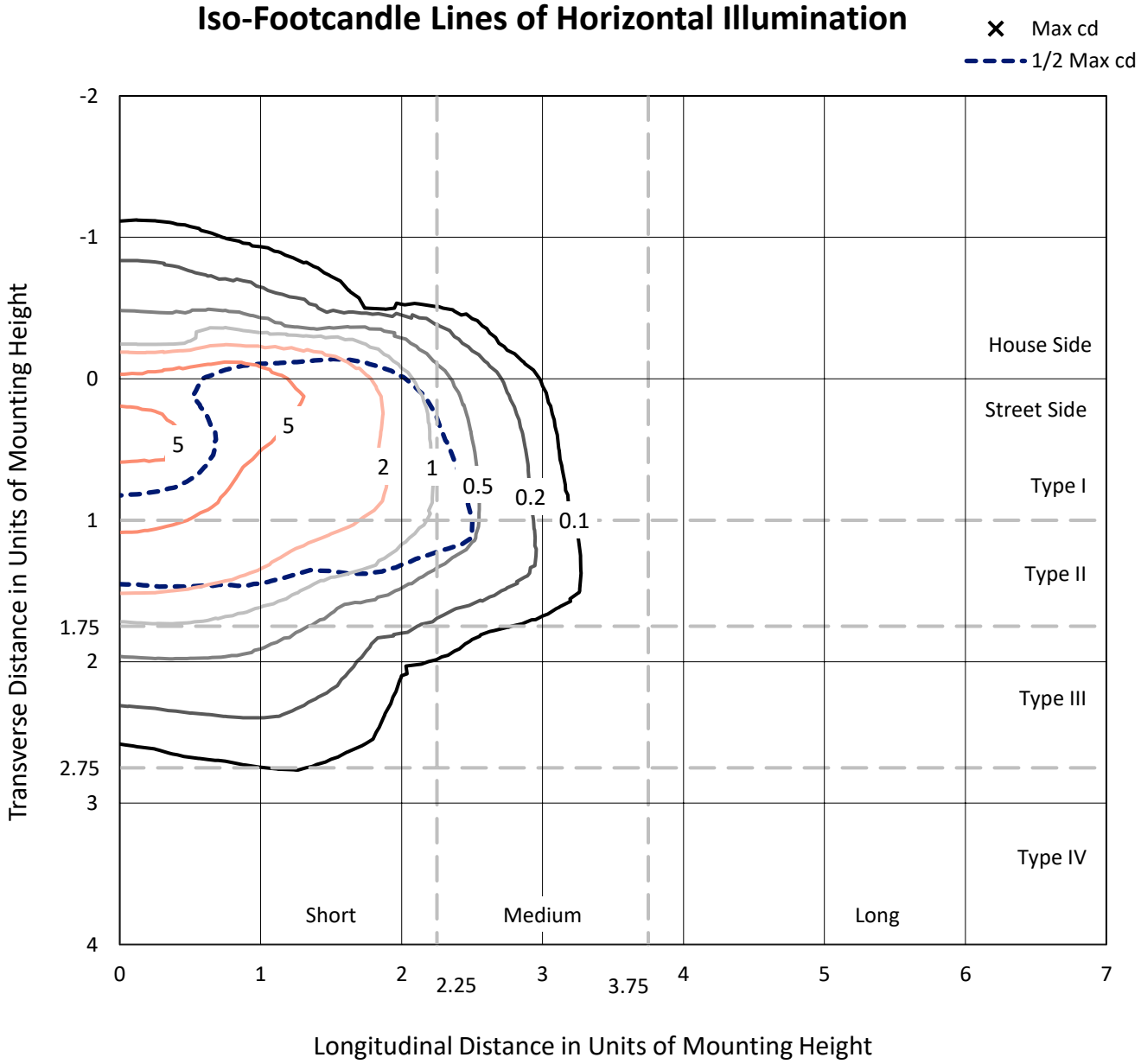
Input Watts (W):	184
Input Voltage (V):	120
Input Current (Ain):	NR
Voltage Rise (V):	NR
Power Factor:	0.98
Total Harmonic Distortion (THDi):	11.1%
Frequency (hertz):	60
Stabilization Time:	NR
Operation Time:	NR
Ambient Temperature (°C):	NR
Test Distance:	28.75 FT

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Iso-Footcandle Lines of Horizontal Illumination



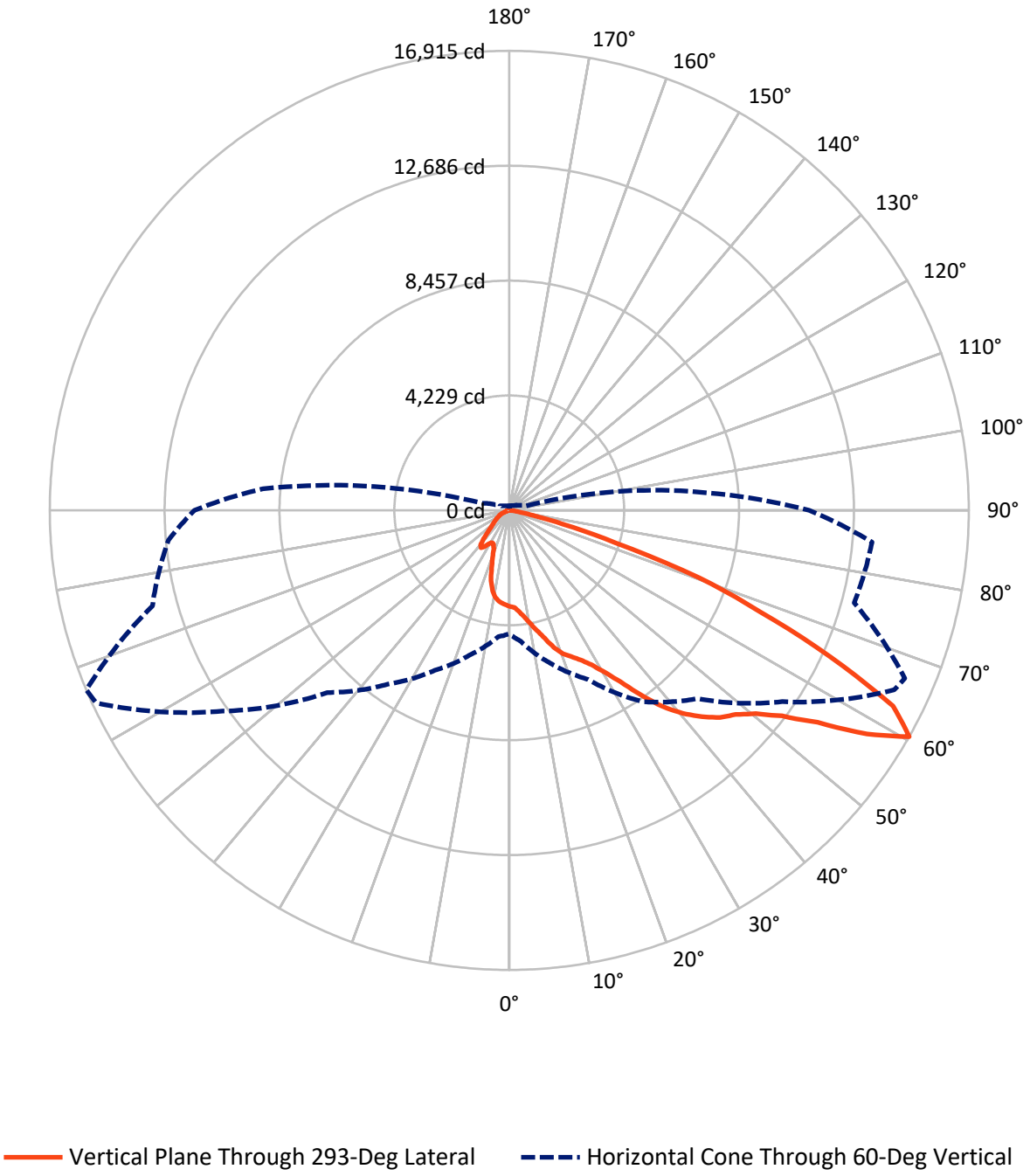
Based on 25 foot mounting height. Maximum calculated value = 9.4 fc
Type II - Short - N/A

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Luminous Intensity Polar Plot



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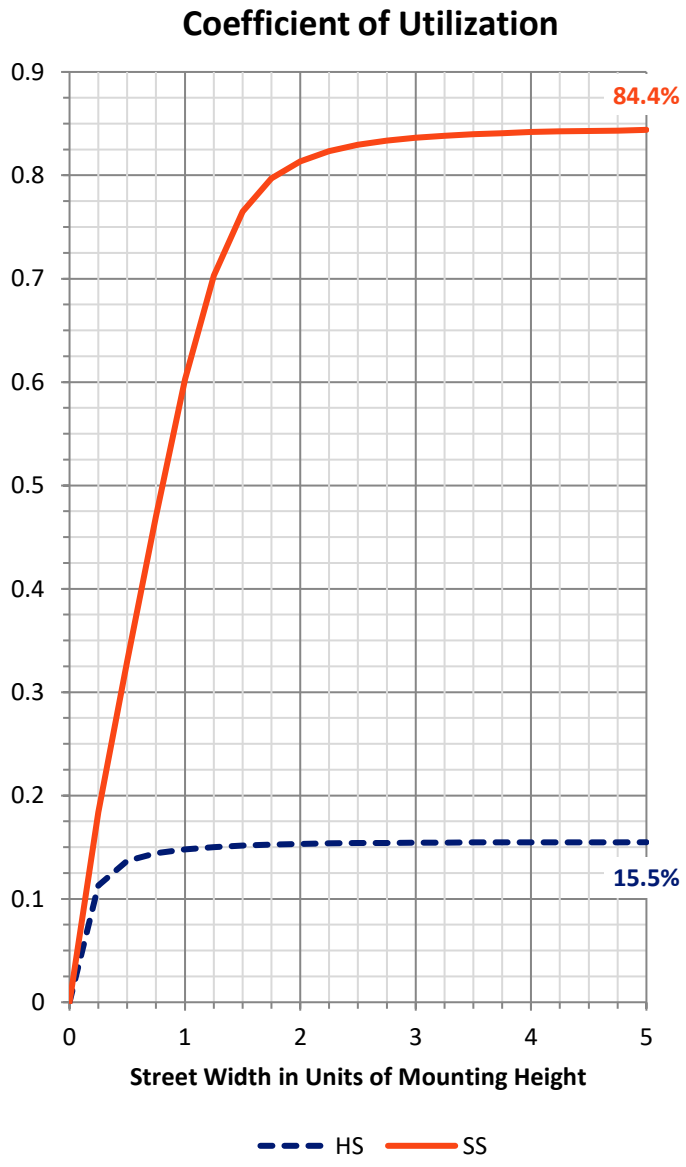
REPORT NUMBER: P1501774
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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3218.5	0.0	3218.5
	% Fixture	15.6	0.0	15.6
Street Side	Lumens	17409.6	0.0	17409.6
	% Fixture	84.4	0.0	84.4
Total	Lumens	20628.0	0.0	20628.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	320.1	1.6
10°-20°	806.3	3.9
20°-30°	1505.1	7.3
30°-40°	2984.8	14.5
40°-50°	4758.9	23.1
50°-60°	5685.7	27.6
60°-70°	3727.3	18.1
70°-80°	780.9	3.8
80°-90°	59.1	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°	20628.0	100.0
0°-180°	20628.0	100.0



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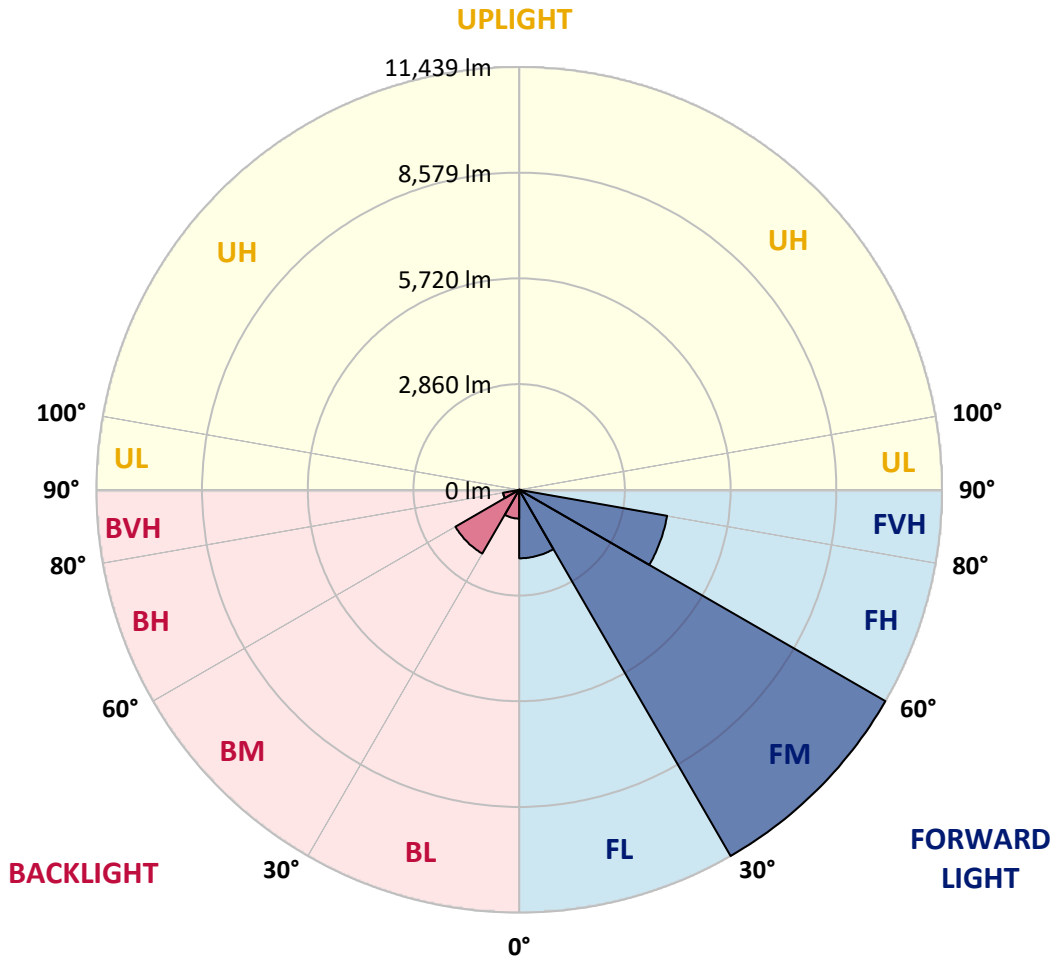
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	1852.8	9.0			
FM	(30°-60°)	11439.0	55.5			
FH	(60°-80°)	4063.6	19.7			G2/5000
FVH	(80°-90°)	54.1	0.3			G1/100
BL	(0°-30°)	778.6	3.8	B2/1000		
BM	(30°-60°)	1990.3	9.6	B2/2500		
BH	(60°-80°)	444.6	2.2	B1/500		G1/500
BVH	(80°-90°)	4.9	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°	3535.4	3535.4	3535.4	3535.4	3535.4	3535.4	3535.4	3535.4	3535.4	3535.4	3535.4
2.5°	3714.5	3703.0	3685.6	3691.4	3685.6	3662.5	3627.9	3599.0	3622.1	3587.4	3564.3
5°	3824.3	3824.3	3812.7	3812.7	3818.5	3806.9	3783.8	3743.4	3749.2	3720.3	3645.2
7.5°	3824.3	3806.9	3835.8	3864.7	3916.7	3945.6	3957.1	3934.0	3945.6	3887.8	3789.6
10°	3599.0	3587.4	3662.5	3772.3	3922.5	4055.4	4142.0	4147.8	4165.1	4107.3	3991.8
12.5°	3119.5	3096.4	3246.6	3454.6	3760.7	4066.9	4309.5	4402.0	4442.4	4419.3	4257.5
15°	2674.7	2703.6	2807.6	3032.8	3443.0	3910.9	4402.0	4708.1	4765.9	4794.8	4604.2
17.5°	2628.5	2634.2	2668.9	2778.7	3090.6	3656.7	4413.5	5025.9	5106.7	5233.8	4973.9
20°	2755.6	2744.0	2778.7	2813.3	2963.5	3431.5	4303.8	5332.0	5488.0	5759.5	5476.5
22.5°	2992.4	2992.4	3009.7	3032.8	3107.9	3414.1	4257.5	5615.1	5880.8	6435.4	6106.1
25°	3391.0	3344.8	3356.4	3327.5	3391.0	3622.1	4361.5	5840.4	6204.3	7186.4	6857.1
27.5°	4009.1	4026.5	3922.5	3766.5	3801.2	3997.6	4615.7	6094.6	6539.4	7966.3	7619.7
30°	4864.1	4835.2	4771.7	4465.5	4326.9	4500.2	5083.6	6510.5	6990.0	8954.1	8636.4
32.5°	5534.2	5615.1	5505.3	5291.6	5077.9	5129.8	5742.2	7180.6	7538.8	9861.1	9687.8
35°	6343.0	6343.0	6366.1	6065.7	5921.3	5909.7	6568.3	7908.5	8266.7	10681.4	10802.7
37.5°	7434.8	7359.7	7232.6	6897.6	6787.8	6932.2	7342.4	8659.5	9046.6	11345.7	11669.2
40°	8353.3	8405.3	8388.0	7902.7	7689.0	7845.0	8208.9	9300.7	9601.1	11773.2	12368.2
42.5°	9254.5	9283.4	9208.3	8977.2	8665.3	8676.8	8977.2	9786.0	10092.2	12183.4	13026.8
45°	9930.4	9924.6	9872.6	9814.9	9630.0	9439.4	9491.4	10323.2	10589.0	12316.3	13385.0
47.5°	10144.2	10190.4	10236.6	10398.3	10525.4	10225.0	9959.3	10612.1	10854.7	12293.1	13517.8
50°	9947.7	10046.0	10271.2	10513.9	10947.1	10924.0	10352.1	10924.0	11160.9	12420.2	13673.8
52.5°	9508.7	9606.9	9907.3	10346.3	10999.1	11322.6	11080.0	11449.7	11727.0	12743.7	13997.3
55°	8486.2	8526.6	9144.8	9722.4	10739.2	11149.3	11859.9	12339.4	12570.4	13136.6	14424.8
57.5°	6909.1	7007.3	7613.9	8555.5	10011.3	10693.0	12304.7	13858.7	13852.9	13512.1	14517.2
60°	*4546.4*	*4835.2*	*5823.1*	*6862.9*	*8601.7*	*9797.5*	*12275.8*	*15637.9*	*15817.0*	*13142.3*	*13402.3*
62.5°	3471.9	3593.2	4153.6	5020.1	6366.1	8122.3	12085.2	16169.4	16308.1	12148.7	11732.8
65°	2611.1	2761.3	3298.6	4072.7	4494.4	5505.3	10837.4	14055.1	14245.7	10843.2	9121.7
67.5°	1600.2	1721.5	2437.8	3344.8	3402.6	3419.9	7313.5	10646.7	10716.1	8746.2	6140.8
70°	1068.7	1190.0	1686.8	2570.7	2709.3	1969.9	4014.9	8058.7	8052.9	5984.8	3731.8
72.5°	618.1	675.9	1068.7	1894.8	2131.7	1253.6	2004.6	5124.1	4898.8	2813.3	1744.6
75°	352.4	392.8	589.2	1218.9	1496.2	797.2	791.4	2744.0	2426.3	1450.0	953.2
77.5°	213.7	231.1	323.5	797.2	901.2	537.2	439.0	1276.7	1230.5	849.2	502.6
80°	104.0	121.3	196.4	467.9	577.7	288.8	265.7	502.6	537.2	467.9	265.7
82.5°	34.7	46.2	109.8	179.1	375.5	115.5	109.8	277.3	294.6	277.3	127.1
85°	17.3	23.1	52.0	57.8	144.4	57.8	40.4	121.3	150.2	92.4	52.0
87.5°	0.0	5.8	5.8	5.8	5.8	5.8	5.8	11.6	11.6	11.6	11.6
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°	3535.4	3535.4	3535.4	3535.4	3535.4	3535.4	3535.4	3535.4	3535.4	3535.4	3535.4
2.5°	3547.0	3535.4	3512.3	3471.9	3466.1	3437.2	3391.0	3362.1	3339.0	3356.4	3362.1
5°	3610.5	3581.7	3512.3	3402.6	3287.0	3171.5	3061.7	2934.6	2848.0	2836.4	2813.3
7.5°	3726.1	3668.3	3518.1	3304.4	3009.7	2732.5	2408.9	2097.0	1941.0	1917.9	1865.9
10°	3910.9	3812.7	3564.3	3131.1	2564.9	1987.2	1496.2	1161.1	970.5	935.9	947.4
12.5°	4130.5	3991.8	3570.1	2836.4	1952.6	1230.5	849.2	722.1	681.7	664.3	664.3
15°	4413.5	4211.3	3564.3	2455.2	1317.1	791.4	681.7	629.7	612.3	600.8	600.8
17.5°	4771.7	4505.9	3523.9	1883.3	889.6	687.4	623.9	583.5	560.4	554.6	554.6
20°	5193.4	4835.2	3431.5	1403.8	745.2	641.2	589.2	537.2	519.9	508.4	508.4
22.5°	5730.6	5233.8	3252.4	1091.8	704.8	612.3	554.6	496.8	479.5	467.9	467.9
25°	6354.5	5742.2	3015.5	982.1	699.0	589.2	519.9	462.1	444.8	439.0	433.3
27.5°	7094.0	6285.2	2796.0	987.8	710.6	571.9	485.3	433.3	415.9	398.6	404.4
30°	7966.3	6845.6	2616.9	1057.2	722.1	554.6	462.1	415.9	398.6	375.5	375.5
32.5°	8827.0	7504.1	2599.6	1184.3	762.5	543.0	439.0	392.8	375.5	358.2	358.2
35°	9710.9	8104.9	2697.8	1351.8	843.4	525.7	410.2	369.7	352.4	340.8	335.1
37.5°	10554.3	8584.4	2790.2	1455.8	797.2	450.6	375.5	340.8	323.5	300.4	300.4
40°	11114.7	8844.4	2807.6	1374.9	658.6	404.4	340.8	306.2	283.1	271.5	265.7
42.5°	11524.8	9011.9	2611.1	1114.9	571.9	369.7	312.0	277.3	260.0	248.4	248.4
45°	11692.4	8954.1	2276.1	849.2	525.7	340.8	283.1	254.2	242.6	231.1	231.1
47.5°	11669.2	8688.4	1935.2	681.7	479.5	312.0	265.7	242.6	231.1	219.5	213.7
50°	11628.8	8440.0	1588.6	606.6	427.5	294.6	248.4	231.1	213.7	202.2	196.4
52.5°	11894.5	8359.1	1317.1	554.6	398.6	283.1	242.6	219.5	202.2	190.6	190.6
55°	12160.3	8393.8	1034.1	519.9	369.7	277.3	236.9	213.7	196.4	179.1	179.1
57.5°	12143.0	8243.6	785.7	485.3	346.6	271.5	231.1	208.0	179.1	167.5	167.5
60°	*11039.6*	*7353.9*	*612.3*	*444.8*	*317.7*	*254.2*	*213.7*	*196.4*	*167.5*	*150.2*	*150.2*
62.5°	9335.4	5782.6	502.6	392.8	283.1	231.1	196.4	179.1	150.2	121.3	121.3
65°	6897.6	4170.9	404.4	340.8	260.0	202.2	179.1	156.0	121.3	98.2	92.4
67.5°	4667.7	2564.9	323.5	283.1	231.1	173.3	150.2	132.9	109.8	80.9	75.1
70°	2767.1	1363.3	236.9	196.4	173.3	127.1	127.1	115.5	92.4	69.3	63.5
72.5°	1317.1	473.7	173.3	144.4	132.9	92.4	98.2	98.2	75.1	52.0	46.2
75°	670.1	231.1	115.5	104.0	86.7	69.3	80.9	75.1	52.0	34.7	34.7
77.5°	381.3	161.8	80.9	69.3	57.8	46.2	52.0	46.2	28.9	17.3	17.3
80°	213.7	115.5	52.0	46.2	34.7	28.9	28.9	23.1	17.3	5.8	5.8
82.5°	80.9	69.3	34.7	23.1	17.3	17.3	11.6	11.6	5.8	0.0	0.0
85°	34.7	17.3	17.3	11.6	11.6	5.8	5.8	5.8	0.0	0.0	0.0
87.5°	5.8	5.8	5.8	5.8	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°	3535.4	3535.4	3535.4	3535.4	3535.4	3535.4	3535.4	3535.4	3535.4	3535.4	3535.4
2.5°	3315.9	3327.5	3339.0	3385.2	3396.8	3431.5	3460.3	3495.0	3500.8	3547.0	3547.0
5°	2859.5	2853.8	2952.0	3096.4	3188.8	3315.9	3414.1	3518.1	3575.9	3651.0	3685.6
7.5°	1894.8	2039.2	2258.8	2512.9	2842.2	3148.4	3379.5	3581.7	3720.3	3806.9	3841.6
10°	941.6	1022.5	1253.6	1669.5	2229.9	2853.8	3344.8	3720.3	3945.6	4043.8	4107.3
12.5°	664.3	681.7	722.1	947.4	1484.7	2368.5	3235.0	3870.5	4182.4	4367.3	4448.2
15°	595.0	606.6	623.9	687.4	918.5	1767.7	3038.6	4038.0	4552.2	4765.9	4869.9
17.5°	548.8	554.6	571.9	623.9	722.1	1201.6	2720.9	4217.1	4997.0	5256.9	5453.4
20°	508.4	508.4	525.7	589.2	670.1	924.3	2264.5	4419.3	5563.1	5938.6	6135.0
22.5°	462.1	473.7	485.3	554.6	652.8	843.4	1837.0	4575.3	6192.8	6649.2	6880.2
25°	427.5	439.0	450.6	519.9	635.5	843.4	1588.6	4673.5	6897.6	7440.6	7758.3
27.5°	398.6	410.2	427.5	496.8	618.1	878.1	1490.4	4702.4	7665.9	8370.7	8798.2
30°	375.5	387.0	404.4	479.5	629.7	918.5	1525.1	4661.9	8445.8	9329.6	9838.0
32.5°	352.4	363.9	381.3	462.1	629.7	970.5	1640.6	4581.0	9202.5	10288.6	10912.5
35°	335.1	340.8	346.6	415.9	571.9	964.7	1785.0	4500.2	9965.1	11236.0	11963.9
37.5°	300.4	306.2	317.7	358.2	456.4	878.1	1813.9	4402.0	10565.9	12033.2	12836.2
40°	265.7	277.3	288.8	329.3	381.3	710.6	1686.8	4194.0	10883.6	12645.5	13621.8
42.5°	242.6	248.4	260.0	300.4	352.4	566.1	1415.3	3830.1	11166.7	13061.5	14193.7
45°	225.3	231.1	242.6	271.5	329.3	491.0	1114.9	3385.2	11189.8	13194.3	14471.0
47.5°	208.0	213.7	219.5	248.4	317.7	439.0	855.0	2980.9	11184.0	13367.6	14707.9
50°	196.4	202.2	213.7	236.9	300.4	392.8	704.8	2651.6	11426.6	13743.1	15187.4
52.5°	190.6	190.6	208.0	231.1	283.1	358.2	589.2	2357.0	11553.7	14112.9	15534.0
55°	179.1	184.9	196.4	219.5	265.7	340.8	502.6	1987.2	11611.5	14297.7	15597.5
57.5°	167.5	173.3	190.6	208.0	254.2	323.5	433.3	1484.7	10785.4	13333.0	14534.6
60°	*150.2*	*161.8*	*184.9*	*202.2*	*236.9*	*294.6*	*381.3*	*1005.2*	*9098.5*	*11588.4*	*12593.5*
62.5°	121.3	144.4	167.5	179.1	213.7	248.4	323.5	670.1	7267.3	9589.6	10733.4
65°	92.4	121.3	138.6	156.0	179.1	208.0	271.5	456.4	4846.8	6452.7	7741.0
67.5°	80.9	104.0	115.5	127.1	150.2	179.1	219.5	317.7	2940.4	3876.3	5147.2
70°	63.5	86.7	98.2	92.4	115.5	138.6	156.0	213.7	1502.0	2102.8	2928.9
72.5°	46.2	69.3	75.1	75.1	69.3	98.2	115.5	150.2	652.8	1022.5	1328.7
75°	34.7	46.2	52.0	46.2	40.4	63.5	80.9	98.2	427.5	612.3	774.1
77.5°	17.3	17.3	28.9	28.9	17.3	34.7	40.4	57.8	242.6	358.2	444.8
80°	5.8	0.0	0.0	5.8	0.0	11.6	17.3	28.9	127.1	190.6	277.3
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.8	63.5	57.8	144.4
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	11.6	34.7
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: P1501774
CATALOG NUMBER: GSS-SB5B-727-U-T2LG-HSS

CANDELA DISTRIBUTION (continued):

	285°	293°	295°	305°	315°	325°	335°	345°	355°	360°
0°	3535.4	*3535.4*	3535.4	3535.4	3535.4	3535.4	3535.4	3535.4	3535.4	3535.4
2.5°	3575.9	*3575.9*	3599.0	3633.6	3651.0	3662.5	3668.3	3679.9	3726.1	3714.5
5°	3726.1	*3737.6*	3755.0	3789.6	3830.1	3818.5	3818.5	3818.5	3847.4	3824.3
7.5°	3922.5	*3957.1*	3962.9	4003.4	3974.5	3916.7	3882.0	3830.1	3824.3	3824.3
10°	4240.2	*4228.7*	4228.7	4176.7	4072.7	3905.2	3755.0	3651.0	3593.2	3599.0
12.5°	4581.0	*4534.8*	4540.6	4350.0	4055.4	3685.6	3379.5	3154.2	3136.8	3119.5
15°	5002.8	*4881.4*	4858.3	4419.3	3795.4	3229.3	2928.9	2749.8	2692.0	2674.7
17.5°	5603.6	*5297.4*	5187.6	4298.0	3454.6	2946.2	2720.9	2640.0	2634.2	2628.5
20°	6239.0	*5632.4*	5424.5	4118.9	3339.0	2952.0	2784.4	2761.3	2749.8	2755.6
22.5°	6978.4	*5846.2*	5580.4	4147.8	3443.0	3142.6	3009.7	2992.4	2980.9	2992.4
25°	7741.0	*6094.6*	5765.3	4378.9	3755.0	3495.0	3339.0	3304.4	3339.0	3391.0
27.5°	8509.3	*6429.6*	6129.2	4835.2	4257.5	3974.5	3824.3	3951.4	4003.4	4009.1
30°	9191.0	*6897.6*	6620.3	5476.5	4829.5	4546.4	4575.3	4737.0	4800.6	4864.1
32.5°	9814.9	*7521.5*	7307.7	6204.3	5568.9	5401.4	5384.0	5505.3	5574.7	5534.2
35°	10444.6	*8336.0*	8128.0	6995.8	6475.9	6337.2	6192.8	6429.6	6406.5	6343.0
37.5°	11039.6	*9156.3*	8965.7	7845.0	7307.7	7065.1	7042.0	7255.7	7446.4	7434.8
40°	11467.1	*9820.7*	9589.6	8688.4	8180.0	7972.1	8093.4	8463.1	8416.9	8353.3
42.5°	11859.9	*10386.8*	10178.8	9427.8	8896.4	8988.8	9098.5	9347.0	9318.1	9254.5
45°	12044.7	*10872.0*	10693.0	9988.2	9728.2	10022.8	10017.1	10109.5	9953.5	9930.4
47.5°	12304.7	*11218.7*	11033.8	10490.8	10721.8	10843.2	10502.3	10404.1	10259.7	10144.2
50°	12784.2	*11755.9*	11571.0	11253.3	11449.7	11074.2	10658.3	10444.6	10149.9	9947.7
52.5°	13344.5	*12570.4*	12408.7	12281.6	11732.8	10958.7	10427.2	10040.2	9682.0	9508.7
55°	14049.3	*13772.0*	13656.5	12957.5	11478.6	10485.0	9861.1	9139.0	8648.0	8486.2
57.5°	14280.4	*15534.0*	15493.5	13067.2	10768.1	9624.2	8497.8	7521.5	7013.1	6909.1
60°	*13598.7*	*16914.6*	*16770.2*	*12882.4*	*9479.8*	*7810.3*	*6493.2*	*5493.8*	*4667.7*	*4546.4*
62.5°	12726.4	*15857.5*	15805.5	11952.3	7221.1	5597.8	4852.6	3916.7	3564.3	3471.9
65°	10900.9	*12974.8*	12997.9	9589.6	4569.5	4020.7	3986.0	3113.7	2680.5	2611.1
67.5°	8393.8	*9953.5*	9791.8	6031.0	2663.1	3217.7	3183.0	2276.1	1646.4	1600.2
70°	4904.6	*7411.7*	7151.7	3136.8	1761.9	2686.2	2449.4	1600.2	1120.7	1068.7
72.5°	2166.3	*4078.5*	4378.9	1380.7	1242.0	2137.4	1767.7	982.1	629.7	618.1
75°	1201.6	*2021.9*	2114.3	600.8	872.3	1519.3	1068.7	548.8	358.2	352.4
77.5°	722.1	*895.4*	872.3	387.0	652.8	970.5	647.0	312.0	225.3	213.7
80°	404.4	*410.2*	346.6	283.1	387.0	543.0	363.9	196.4	104.0	104.0
82.5°	248.4	*225.3*	179.1	86.7	104.0	329.3	132.9	109.8	34.7	34.7
85°	104.0	*69.3*	46.2	17.3	40.4	86.7	46.2	52.0	17.3	17.3
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: SP1-2407-184-3

Test Date: 10/09/2024

Luminaire Tested: GSS-SB1A-727-U-5WQ

Data in this report applies to families of products including GSS-SB1A-727-U-5WQ

Report Generated By FNC07603 / LDUCLS01DT446
Version: v7.04

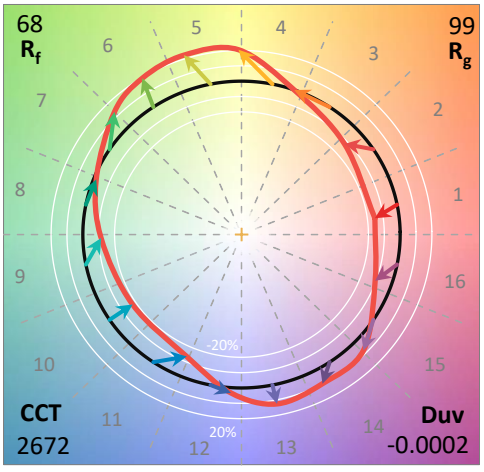
Test Information

Test Method:	LM-79-2019
Report Number:	SP1-2407-184-3
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-727-U-5WQ**
Description:	GALLEON II SITE SLIM 1SQ 350MA 5WQ HIGH DENSITY LIGHTSQUARE WITH 70 CRI 2700K CCT 26 LEDS

Spectral Parameters

CCT (K):	2672
CIE u':	0.2638
CIE v':	0.5276
Duv:	-0.0002
CIE x:	0.4619
CIE y:	0.4106
CIE z:	0.1275
Peak Wavelength (nm):	601
Dominant Wavelength (nm):	584
Purity:	61.88407
Rf:	67.9
Rg:	98.6

CRI (Ra):	71.1
R1:	68.3
R2:	79.8
R3:	91.2
R4:	69.4
R5:	66.5
R6:	72.6
R7:	77.0
R8:	44.1
R9:	-27.8
R10:	54.4
R11:	65.8
R12:	45.6
R13:	69.8
R14:	94.5
R15:	60.1



Test Conditions

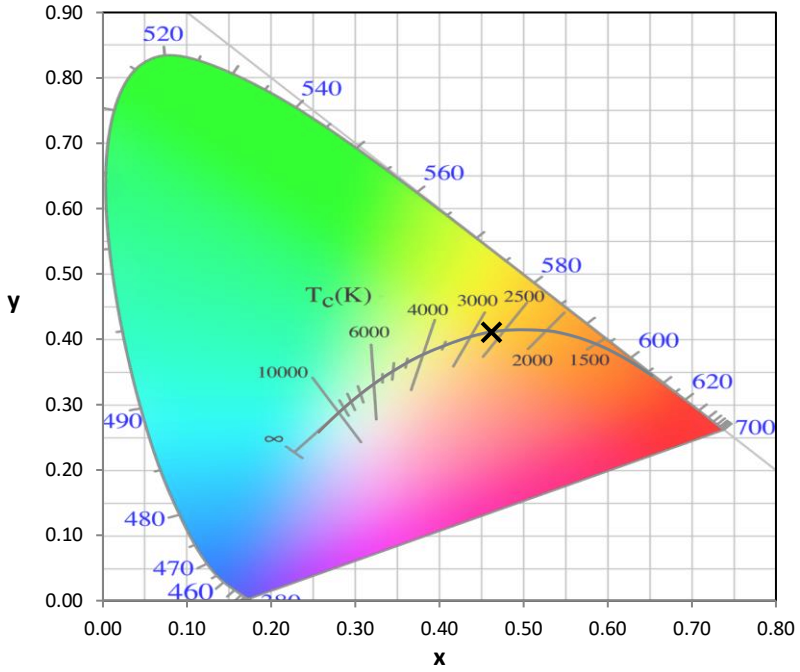
Stabilization Time:	21M
Operation Time:	1H 21M
Sphere Temperature (°C):	25.2

REPORT NUMBER: SP1-2407-184-3

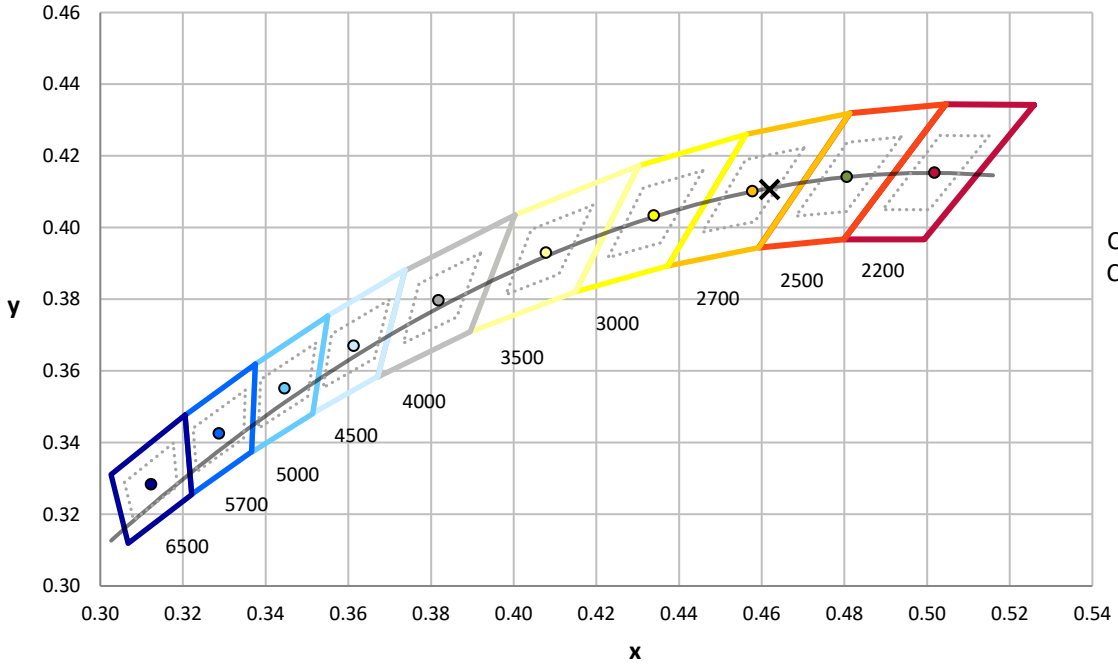
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

REPORT NUMBER: SP1-2407-184-3

CIE 1931 Chromaticity Diagram



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

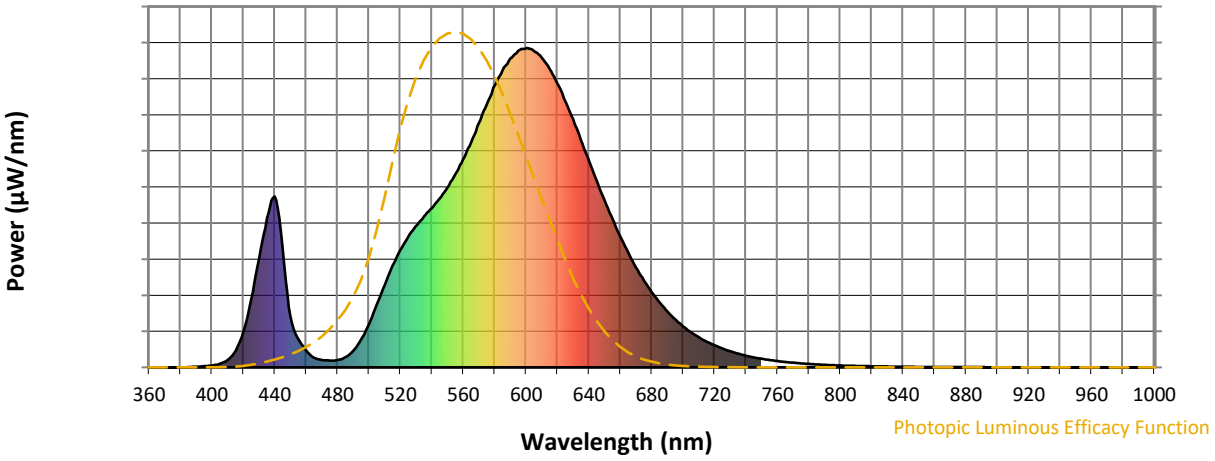


CCT = 2672K
CIE x = 0.4619
CIE y = 0.4106
Duv = -0.0002

Point lies inside the ANSI 2700K 4-step quadrangle

REPORT NUMBER: SP1-2407-184-3

Photopic Flux vs. Wavelength

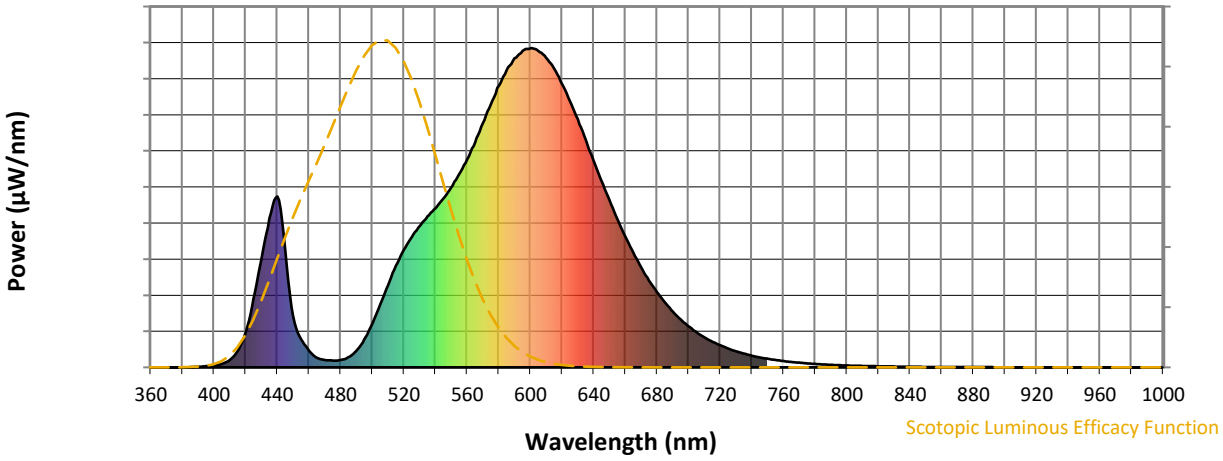


Photopic Lumens: NR

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	52	NR	620	888	NR	750	27	NR	880	1	NR
365	0	NR	495	87	NR	625	834	NR	755	23	NR	885	1	NR
370	0	NR	500	135	NR	630	776	NR	760	20	NR	890	1	NR
375	0	NR	505	196	NR	635	712	NR	765	17	NR	895	0	NR
380	0	NR	510	258	NR	640	648	NR	770	15	NR	900	0	NR
385	1	NR	515	317	NR	645	583	NR	775	12	NR	905	0	NR
390	2	NR	520	368	NR	650	523	NR	780	11	NR	910	0	NR
395	4	NR	525	408	NR	655	465	NR	785	9	NR	915	0	NR
400	6	NR	530	443	NR	660	410	NR	790	8	NR	920	0	NR
405	11	NR	535	473	NR	665	360	NR	795	7	NR	925	0	NR
410	23	NR	540	498	NR	670	313	NR	800	6	NR	930	0	NR
415	51	NR	545	530	NR	675	272	NR	805	5	NR	935	0	NR
420	111	NR	550	563	NR	680	236	NR	810	4	NR	940	0	NR
425	214	NR	555	605	NR	685	203	NR	815	4	NR	945	0	NR
430	339	NR	560	651	NR	690	175	NR	820	3	NR	950	0	NR
435	467	NR	565	705	NR	695	150	NR	825	3	NR	955	0	NR
440	535	NR	570	765	NR	700	128	NR	830	3	NR	960	0	NR
445	372	NR	575	824	NR	705	110	NR	835	2	NR	965	0	NR
450	160	NR	580	882	NR	710	94	NR	840	2	NR	970	0	NR
455	89	NR	585	930	NR	715	80	NR	845	2	NR	975	0	NR
460	53	NR	590	968	NR	720	69	NR	850	1	NR	980	0	NR
465	31	NR	595	991	NR	725	59	NR	855	1	NR	985	0	NR
470	23	NR	600	999	NR	730	50	NR	860	1	NR	990	0	NR
475	21	NR	605	992	NR	735	43	NR	865	1	NR	995	0	NR
480	23	NR	610	969	NR	740	36	NR	870	1	NR	1000	0	NR
485	32	NR	615	935	NR	745	31	NR	875	1	NR			

REPORT NUMBER: SP1-2407-184-3

Scotopic Flux vs. Wavelength

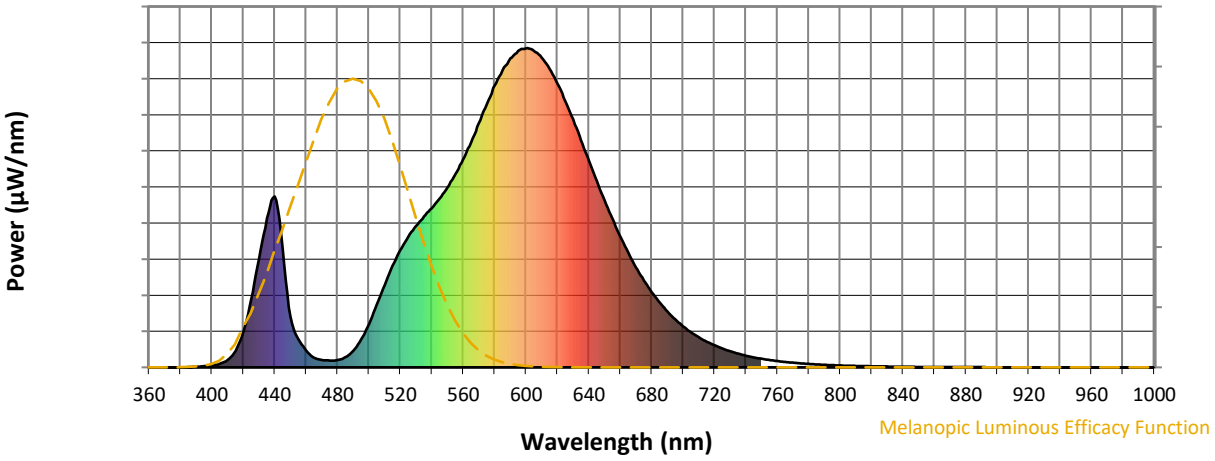


Scotopic Lumens: NR **S/P: 1.02**

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	52	NR	620	888	NR	750	27	NR	880	1	NR
365	0	NR	495	87	NR	625	834	NR	755	23	NR	885	1	NR
370	0	NR	500	135	NR	630	776	NR	760	20	NR	890	1	NR
375	0	NR	505	196	NR	635	712	NR	765	17	NR	895	0	NR
380	0	NR	510	258	NR	640	648	NR	770	15	NR	900	0	NR
385	1	NR	515	317	NR	645	583	NR	775	12	NR	905	0	NR
390	2	NR	520	368	NR	650	523	NR	780	11	NR	910	0	NR
395	4	NR	525	408	NR	655	465	NR	785	9	NR	915	0	NR
400	6	NR	530	443	NR	660	410	NR	790	8	NR	920	0	NR
405	11	NR	535	473	NR	665	360	NR	795	7	NR	925	0	NR
410	23	NR	540	498	NR	670	313	NR	800	6	NR	930	0	NR
415	51	NR	545	530	NR	675	272	NR	805	5	NR	935	0	NR
420	111	NR	550	563	NR	680	236	NR	810	4	NR	940	0	NR
425	214	NR	555	605	NR	685	203	NR	815	4	NR	945	0	NR
430	339	NR	560	651	NR	690	175	NR	820	3	NR	950	0	NR
435	467	NR	565	705	NR	695	150	NR	825	3	NR	955	0	NR
440	535	NR	570	765	NR	700	128	NR	830	3	NR	960	0	NR
445	372	NR	575	824	NR	705	110	NR	835	2	NR	965	0	NR
450	160	NR	580	882	NR	710	94	NR	840	2	NR	970	0	NR
455	89	NR	585	930	NR	715	80	NR	845	2	NR	975	0	NR
460	53	NR	590	968	NR	720	69	NR	850	1	NR	980	0	NR
465	31	NR	595	991	NR	725	59	NR	855	1	NR	985	0	NR
470	23	NR	600	999	NR	730	50	NR	860	1	NR	990	0	NR
475	21	NR	605	992	NR	735	43	NR	865	1	NR	995	0	NR
480	23	NR	610	969	NR	740	36	NR	870	1	NR	1000	0	NR
485	32	NR	615	935	NR	745	31	NR	875	1	NR			

REPORT NUMBER: SP1-2407-184-3

Melanopic Flux vs. Wavelength



Melanopic Lumens: NR **M/P: 1.71**

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	52	NR	620	888	NR	750	27	NR	880	1	NR
365	0	NR	495	87	NR	625	834	NR	755	23	NR	885	1	NR
370	0	NR	500	135	NR	630	776	NR	760	20	NR	890	1	NR
375	0	NR	505	196	NR	635	712	NR	765	17	NR	895	0	NR
380	0	NR	510	258	NR	640	648	NR	770	15	NR	900	0	NR
385	1	NR	515	317	NR	645	583	NR	775	12	NR	905	0	NR
390	2	NR	520	368	NR	650	523	NR	780	11	NR	910	0	NR
395	4	NR	525	408	NR	655	465	NR	785	9	NR	915	0	NR
400	6	NR	530	443	NR	660	410	NR	790	8	NR	920	0	NR
405	11	NR	535	473	NR	665	360	NR	795	7	NR	925	0	NR
410	23	NR	540	498	NR	670	313	NR	800	6	NR	930	0	NR
415	51	NR	545	530	NR	675	272	NR	805	5	NR	935	0	NR
420	111	NR	550	563	NR	680	236	NR	810	4	NR	940	0	NR
425	214	NR	555	605	NR	685	203	NR	815	4	NR	945	0	NR
430	339	NR	560	651	NR	690	175	NR	820	3	NR	950	0	NR
435	467	NR	565	705	NR	695	150	NR	825	3	NR	955	0	NR
440	535	NR	570	765	NR	700	128	NR	830	3	NR	960	0	NR
445	372	NR	575	824	NR	705	110	NR	835	2	NR	965	0	NR
450	160	NR	580	882	NR	710	94	NR	840	2	NR	970	0	NR
455	89	NR	585	930	NR	715	80	NR	845	2	NR	975	0	NR
460	53	NR	590	968	NR	720	69	NR	850	1	NR	980	0	NR
465	31	NR	595	991	NR	725	59	NR	855	1	NR	985	0	NR
470	23	NR	600	999	NR	730	50	NR	860	1	NR	990	0	NR
475	21	NR	605	992	NR	735	43	NR	865	1	NR	995	0	NR
480	23	NR	610	969	NR	740	36	NR	870	1	NR	1000	0	NR
485	32	NR	615	935	NR	745	31	NR	875	1	NR			

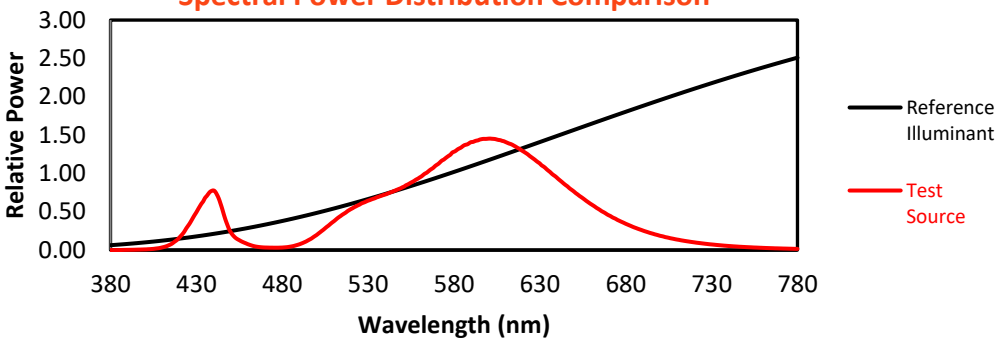
REPORT NUMBER: SP1-2407-184-3

TM-30-18

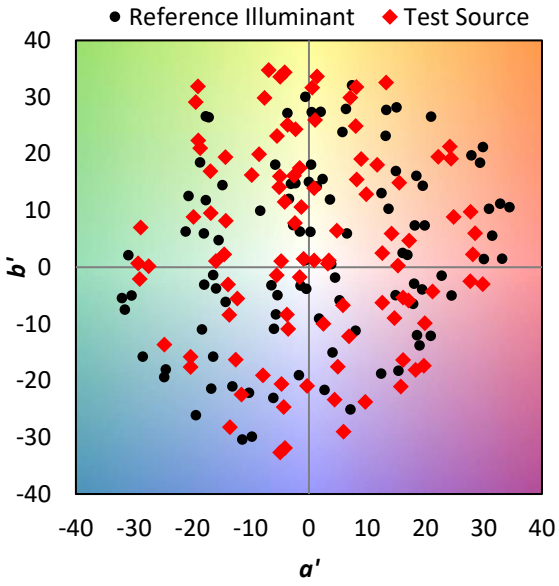
Summary

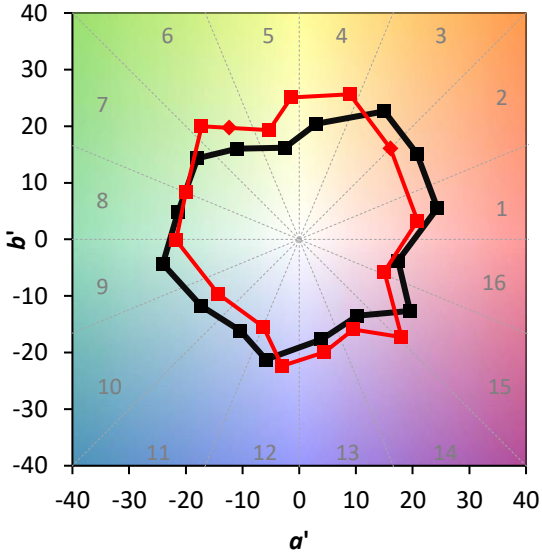
R_f = 67.9
R_g = 98.6
CIE R_a = 71.1
R_9 = -27.8

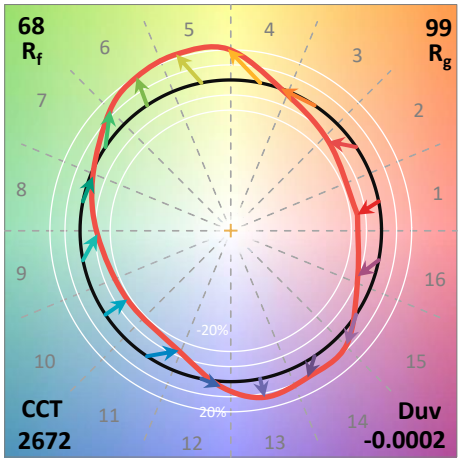
Spectral Power Distribution Comparison

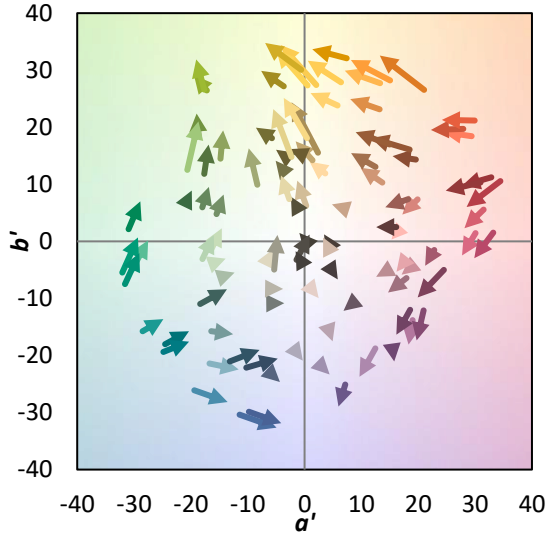


Color Vector Graphics







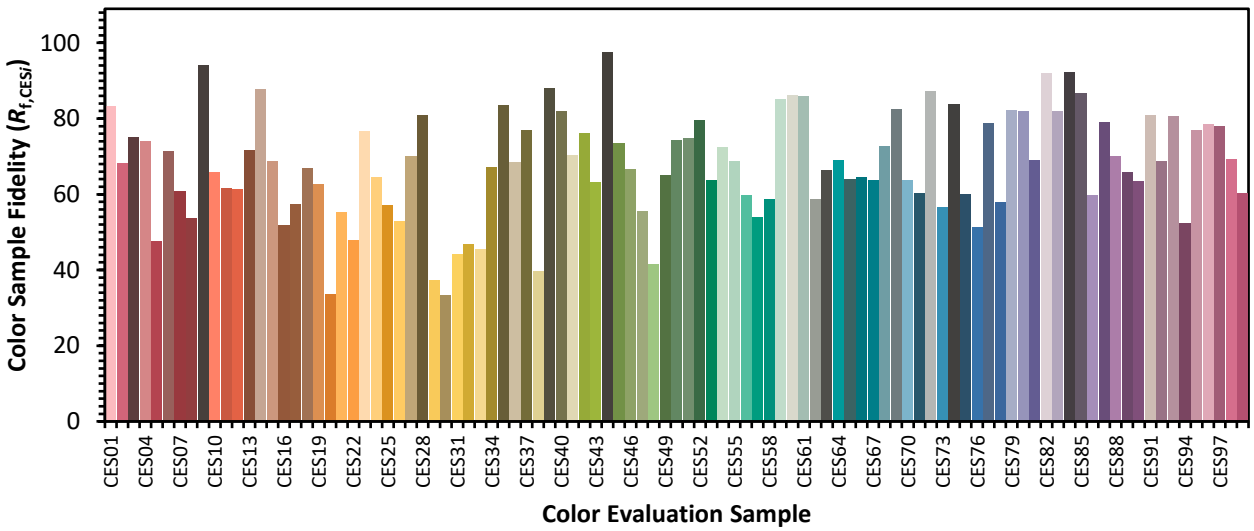


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Individual Sample Fidelity Index ($R_{f,i}$)

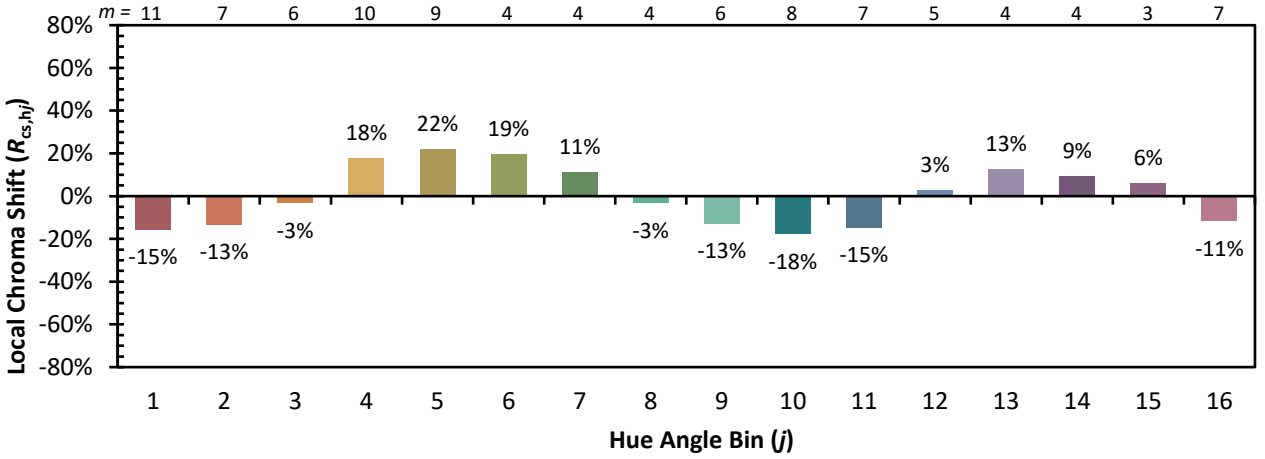
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CES02 = 63	CES27 = 70	CES52 = 80	CES77 = 79
CES03 = 31	CES28 = 81	CES53 = 64	CES78 = 58
CES04 = 71	CES29 = 37	CES54 = 73	CES79 = 82
CES05 = 50	CES30 = 33	CES55 = 69	CES80 = 82
CES06 = 52	CES31 = 44	CES56 = 60	CES81 = 69
CES07 = 42	CES32 = 47	CES57 = 54	CES82 = 92
CES08 = 41	CES33 = 45	CES58 = 59	CES83 = 82
CES09 = 29	CES34 = 67	CES59 = 85	CES84 = 92
CES10 = 77	CES35 = 84	CES60 = 86	CES85 = 87
CES11 = 60	CES36 = 68	CES61 = 86	CES86 = 60
CES12 = 66	CES37 = 77	CES62 = 59	CES87 = 79
CES13 = 44	CES38 = 40	CES63 = 66	CES88 = 70
CES14 = 74	CES39 = 88	CES64 = 69	CES89 = 66
CES15 = 72	CES40 = 82	CES65 = 64	CES90 = 64
CES16 = 48	CES41 = 70	CES66 = 65	CES91 = 81
CES17 = 51	CES42 = 76	CES67 = 64	CES92 = 69
CES18 = 57	CES43 = 63	CES68 = 73	CES93 = 81
CES19 = 73	CES44 = 97	CES69 = 83	CES94 = 53
CES20 = 67	CES45 = 74	CES70 = 64	CES95 = 77
CES21 = 88	CES46 = 67	CES71 = 60	CES96 = 79
CES22 = 80	CES47 = 55	CES72 = 87	CES97 = 78
CES23 = 92	CES48 = 42	CES73 = 57	CES98 = 69
CES24 = 92	CES49 = 65	CES74 = 84	CES99 = 60
CES25 = 73	CES50 = 74	CES75 = 60	

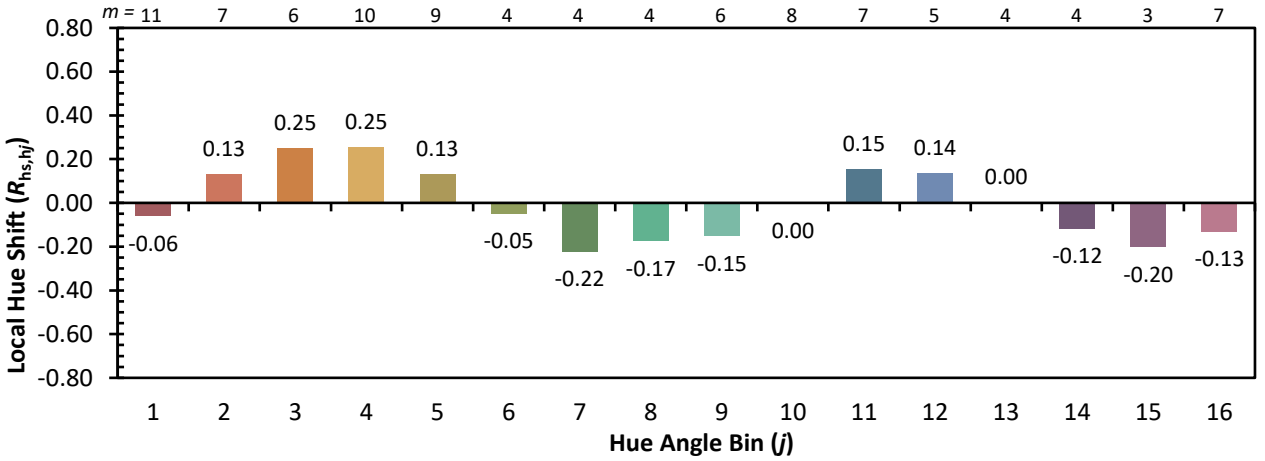


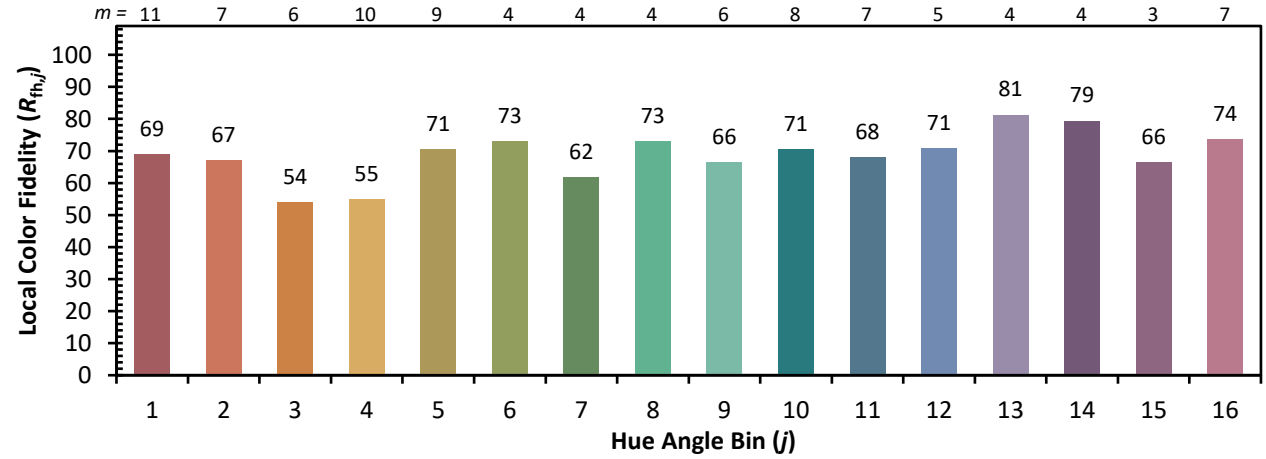
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Color Rendition by Hue-Angle Bin



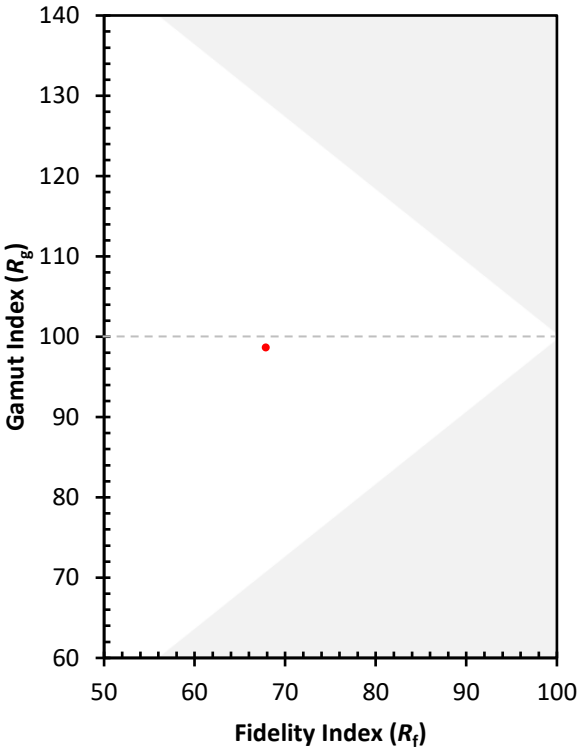


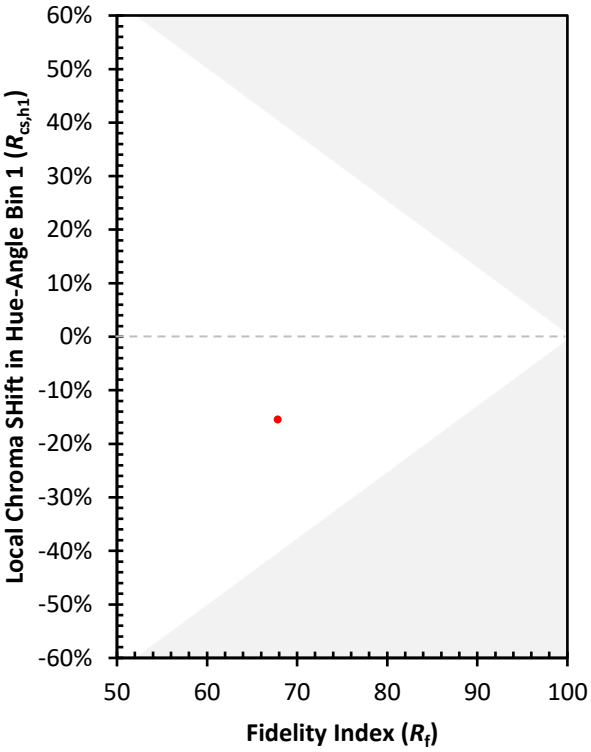


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Measure Comparisons





(END OF REPORT)