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: P1501754

Luminaire Tested: GSS-SB6B-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:	P1501754
Test Lab:	INNOVATION CENTER(G1)
Issue Date:	7/20/2026
Manufacturer:	COOPER LIGHTING SOLUTIONS
Product Line:	McGRAW-EDISON
Catalog Number:	GSS-SB6B-722-U-T2LG-HSS
Description:	GALLEON II SLIM SITE HIGH DENSITY LED ARRAYS 6SQUARE 219W 70CRI 2200K FIXTURE w/ TYPE II LOW GLARE DISTRIBUTION FIXTURE W/ HOUSE SIDE SHIELD
Light Source:	(156) 2200K CCT, 70 CRI LEDS
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	22055.4 lumens
Efficiency:	N/A
Efficacy:	100.7 lumens/watt
Luminous Opening:	Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification:	Type II - Short
BUG Rating:	B2 - U0 - G2

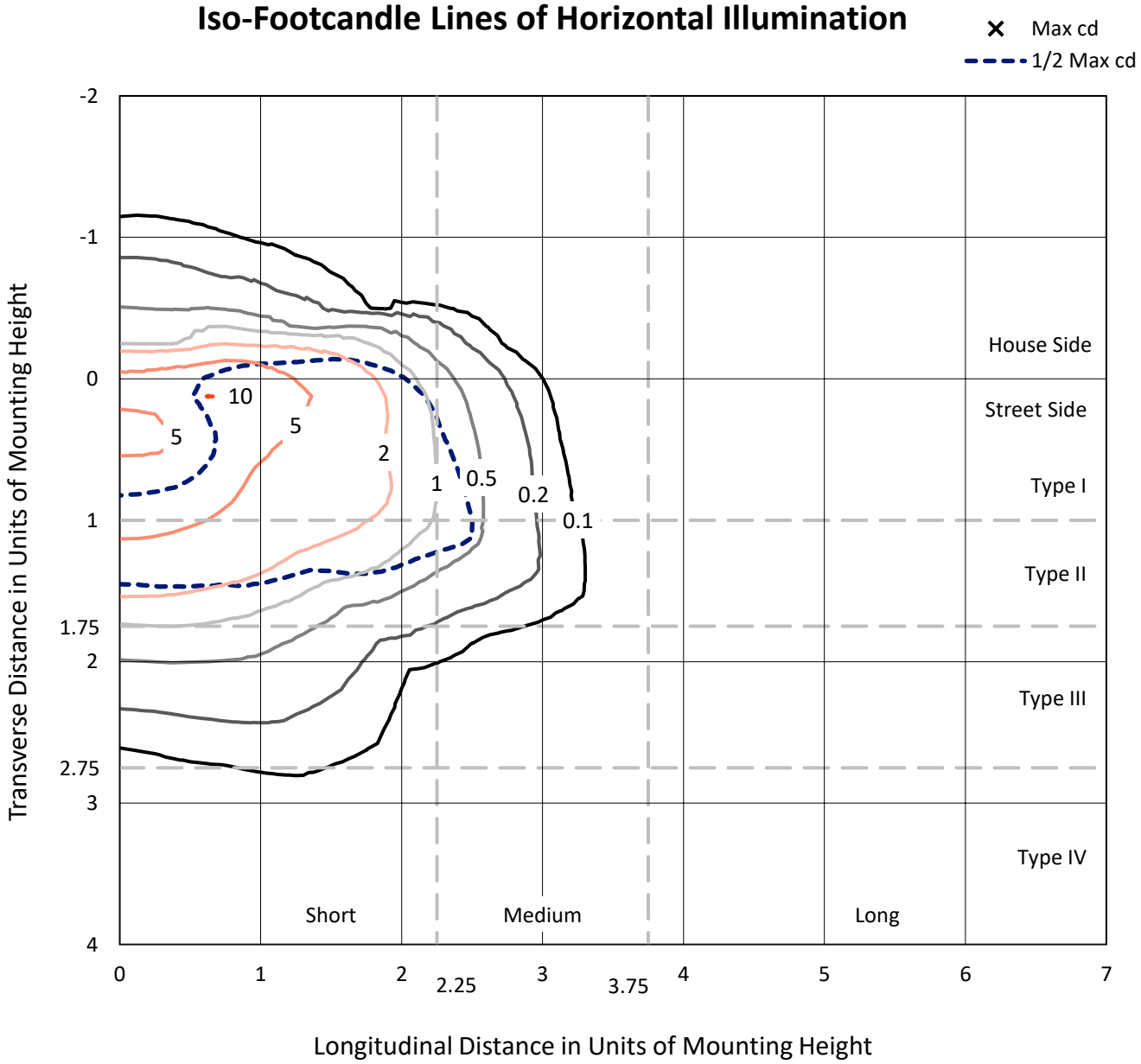
Input Watts (W):	219
Input Voltage (V):	120
Input Current (Ain):	NR
Voltage Rise (V):	NR
Power Factor:	0.98
Total Harmonic Distortion (THDi):	8.7%
Frequency (hertz):	60
Stabilization Time:	NR
Operation Time:	NR
Ambient Temperature (°C):	NR
Test Distance:	28.75 FT

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Iso-Footcandle Lines of Horizontal Illumination



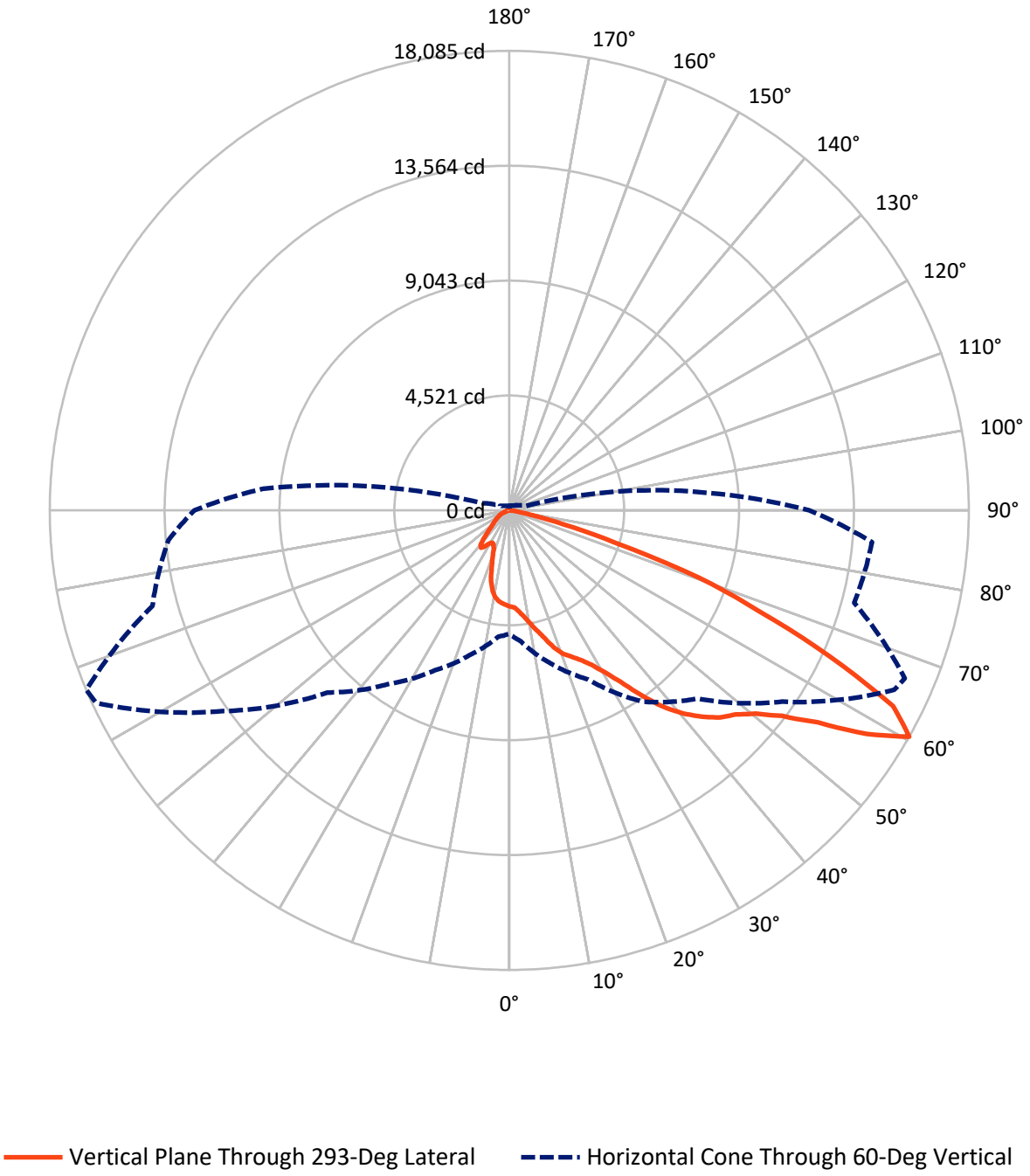
Based on 25 foot mounting height. Maximum calculated value = 10.1 fc
Type II - Short - N/A

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Luminous Intensity Polar Plot



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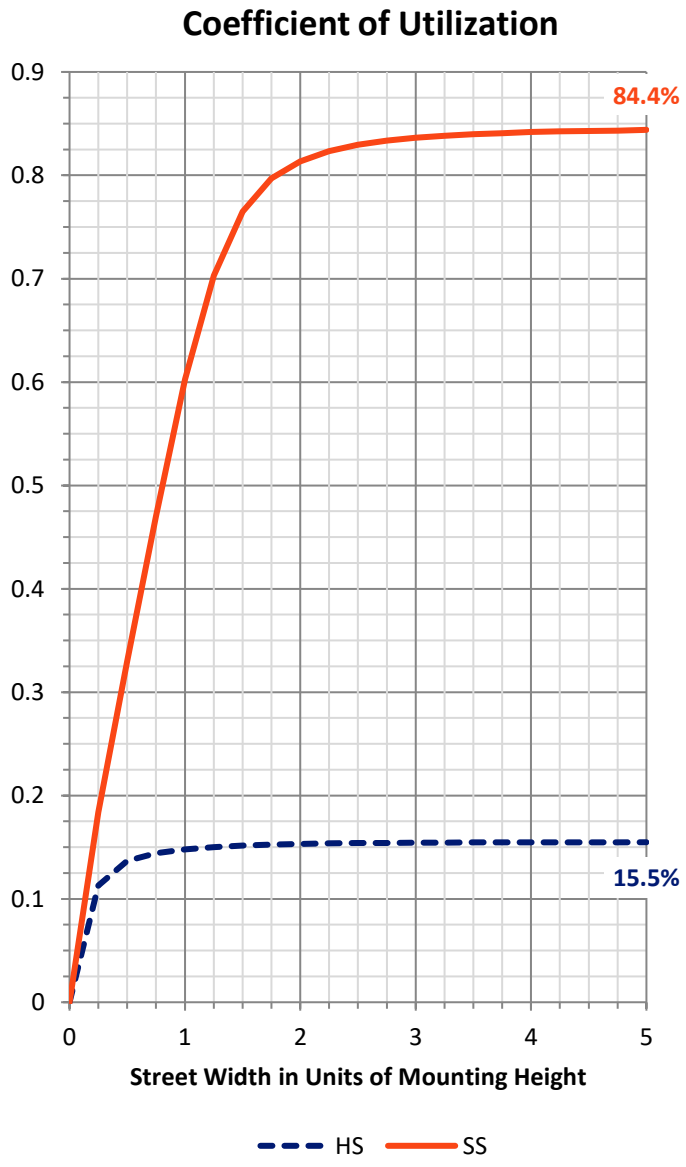
REPORT NUMBER: P1501754
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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3441.2	0.0	3441.2
	% Fixture	15.6	0.0	15.6
Street Side	Lumens	18614.2	0.0	18614.2
	% Fixture	84.4	0.0	84.4
Total	Lumens	22055.4	0.0	22055.4
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	342.2	1.6
10°-20°	862.1	3.9
20°-30°	1609.3	7.3
30°-40°	3191.3	14.5
40°-50°	5088.2	23.1
50°-60°	6079.1	27.6
60°-70°	3985.2	18.1
70°-80°	834.9	3.8
80°-90°	63.2	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°	22055.4	100.0
0°-180°	22055.4	100.0



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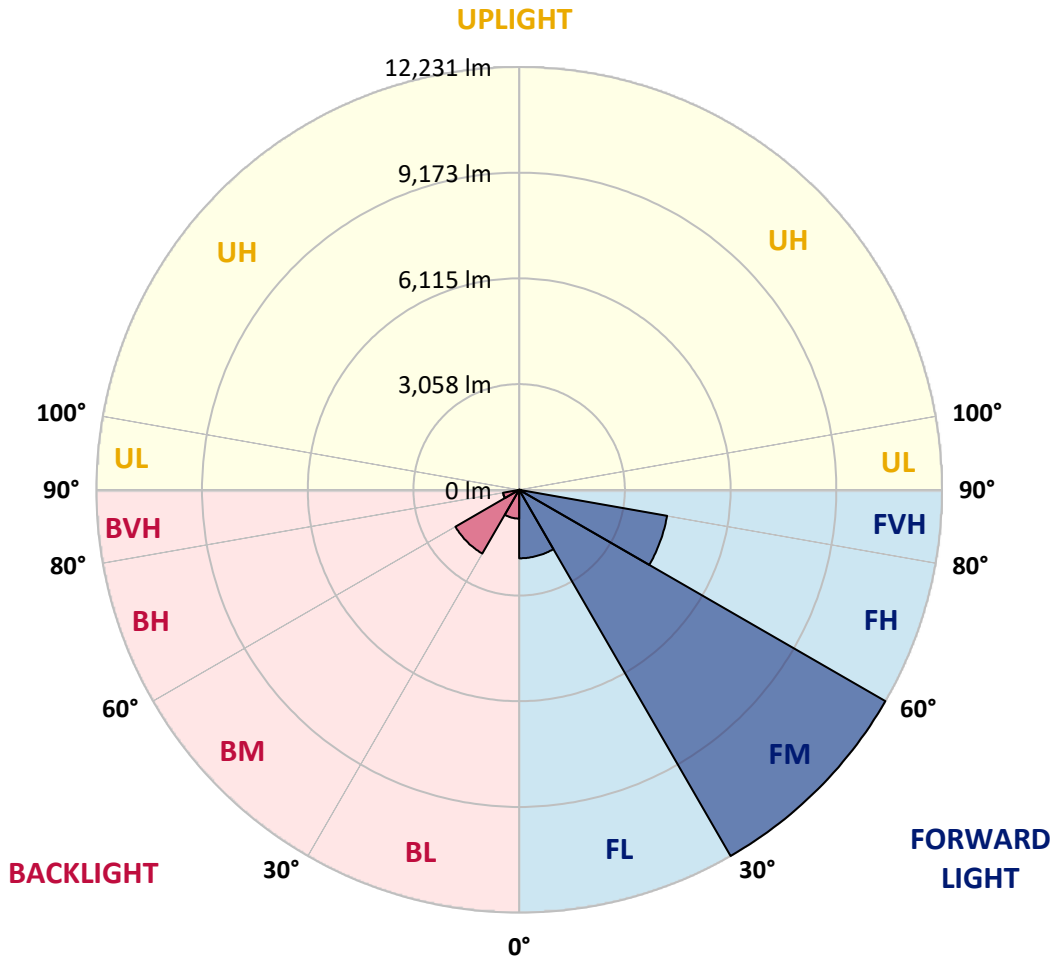
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	1981.0	9.0			
FM	(30°-60°)	12230.5	55.5			
FH	(60°-80°)	4344.8	19.7			G2/5000
FVH	(80°-90°)	57.9	0.3			G1/100
BL	(0°-30°)	832.5	3.8	B2/1000		
BM	(30°-60°)	2128.0	9.6	B2/2500		
BH	(60°-80°)	475.3	2.2	B1/500		G1/500
BVH	(80°-90°)	5.3	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°	3780.1	3780.1	3780.1	3780.1	3780.1	3780.1	3780.1	3780.1	3780.1	3780.1	3780.1
2.5°	3971.5	3959.2	3940.7	3946.8	3940.7	3916.0	3878.9	3848.0	3872.7	3835.7	3811.0
5°	4088.9	4088.9	4076.5	4076.5	4082.7	4070.4	4045.7	4002.4	4008.6	3977.7	3897.4
7.5°	4088.9	4070.4	4101.3	4132.1	4187.7	4218.6	4231.0	4206.3	4218.6	4156.8	4051.8
10°	3848.0	3835.7	3916.0	4033.3	4193.9	4336.0	4428.6	4434.8	4453.3	4391.5	4268.0
12.5°	3335.4	3310.6	3471.2	3693.6	4021.0	4348.3	4607.7	4706.6	4749.8	4725.1	4552.1
15°	2859.8	2890.6	3001.8	3242.7	3681.2	4181.5	4706.6	5033.9	5095.7	5126.6	4922.7
17.5°	2810.3	2816.5	2853.6	2970.9	3304.5	3909.8	4718.9	5373.6	5460.1	5596.0	5318.0
20°	2946.2	2933.9	2970.9	3008.0	3168.6	3668.9	4601.6	5701.0	5867.8	6158.1	5855.4
22.5°	3199.5	3199.5	3218.0	3242.7	3323.0	3650.4	4552.1	6003.6	6287.8	6880.7	6528.6
25°	3625.7	3576.2	3588.6	3557.7	3625.7	3872.7	4663.3	6244.5	6633.6	7683.7	7331.6
27.5°	4286.5	4305.1	4193.9	4027.1	4064.2	4274.2	4935.1	6516.3	6991.9	8517.5	8146.9
30°	5200.7	5169.8	5101.9	4774.5	4626.3	4811.6	5435.4	6961.0	7473.7	9573.7	9234.0
32.5°	5917.2	6003.6	5886.3	5657.7	5429.2	5484.8	6139.5	7677.5	8060.4	10543.4	10358.1
35°	6781.9	6781.9	6806.6	6485.4	6331.0	6318.6	7022.8	8455.7	8838.7	11420.5	11550.2
37.5°	7949.3	7869.0	7733.1	7374.8	7257.5	7411.9	7850.4	9258.7	9672.5	12130.8	12476.7
40°	8931.3	8986.9	8968.4	8449.6	8221.0	8387.8	8776.9	9944.3	10265.5	12587.9	13224.1
42.5°	9894.9	9925.8	9845.5	9598.4	9264.9	9277.2	9598.4	10463.1	10790.5	13026.4	13928.2
45°	10617.5	10611.4	10555.8	10494.0	10296.4	10092.5	10148.1	11037.6	11321.7	13168.5	14311.1
47.5°	10846.1	10895.5	10944.9	11117.8	11253.7	10932.5	10648.4	11346.4	11605.8	13143.8	14453.2
50°	10636.1	10741.1	10982.0	11241.4	11704.6	11679.9	11068.4	11679.9	11933.2	13279.7	14620.0
52.5°	10166.7	10271.7	10592.8	11062.3	11760.2	12106.1	11846.7	12242.0	12538.5	13625.5	14965.9
55°	9073.4	9116.6	9777.5	10395.2	11482.3	11920.8	12680.5	13193.2	13440.2	14045.5	15422.9
57.5°	7387.2	7492.2	8140.7	9147.5	10704.0	11432.9	13156.1	14817.6	14811.4	14447.0	15521.7
60°	*4861.0*	*5169.8*	*6226.0*	*7337.8*	*9196.9*	*10475.5*	*13125.2*	*16720.0*	*16911.5*	*14051.7*	*14329.7*
62.5°	3712.1	3841.8	4441.0	5367.4	6806.6	8684.3	12921.4	17288.3	17436.5	12989.4	12544.6
65°	2791.8	2952.4	3526.8	4354.5	4805.4	5886.3	11587.3	15027.6	15231.4	11593.4	9752.8
67.5°	1710.9	1840.6	2606.5	3576.2	3638.0	3656.5	7819.6	11383.4	11457.6	9351.3	6565.7
70°	1142.7	1272.4	1803.6	2748.6	2896.8	2106.2	4292.7	8616.3	8610.2	6398.9	3990.1
72.5°	660.9	722.7	1142.7	2025.9	2279.2	1340.3	2143.3	5478.6	5237.7	3008.0	1865.3
75°	376.8	420.0	630.0	1303.3	1599.7	852.4	846.2	2933.9	2594.2	1550.3	1019.1
77.5°	228.5	247.1	345.9	852.4	963.5	574.4	469.4	1365.0	1315.6	908.0	537.4
80°	111.2	129.7	210.0	500.3	617.7	308.8	284.1	537.4	574.4	500.3	284.1
82.5°	37.1	49.4	117.4	191.5	401.5	123.5	117.4	296.5	315.0	296.5	135.9
85°	18.5	24.7	55.6	61.8	154.4	61.8	43.2	129.7	160.6	98.8	55.6
87.5°	0.0	6.2	6.2	6.2	6.2	6.2	6.2	12.4	12.4	12.4	12.4
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°	3780.1	3780.1	3780.1	3780.1	3780.1	3780.1	3780.1	3780.1	3780.1	3780.1	3780.1
2.5°	3792.4	3780.1	3755.4	3712.1	3705.9	3675.1	3625.7	3594.8	3570.1	3588.6	3594.8
5°	3860.4	3829.5	3755.4	3638.0	3514.5	3390.9	3273.6	3137.7	3045.1	3032.7	3008.0
7.5°	3983.9	3922.1	3761.5	3533.0	3218.0	2921.5	2575.6	2242.1	2075.3	2050.6	1995.0
10°	4181.5	4076.5	3811.0	3347.7	2742.4	2124.7	1599.7	1241.5	1037.7	1000.6	1013.0
12.5°	4416.3	4268.0	3817.1	3032.7	2087.7	1315.6	908.0	772.1	728.8	710.3	710.3
15°	4718.9	4502.7	3811.0	2625.0	1408.3	846.2	728.8	673.2	654.7	642.4	642.4
17.5°	5101.9	4817.7	3767.7	2013.6	951.2	735.0	667.1	623.8	599.1	593.0	593.0
20°	5552.7	5169.8	3668.9	1500.9	796.8	685.6	630.0	574.4	555.9	543.5	543.5
22.5°	6127.2	5596.0	3477.4	1167.4	753.5	654.7	593.0	531.2	512.7	500.3	500.3
25°	6794.2	6139.5	3224.2	1050.0	747.4	630.0	555.9	494.1	475.6	469.4	463.2
27.5°	7584.8	6720.1	2989.5	1056.2	759.7	611.5	518.8	463.2	444.7	426.2	432.4
30°	8517.5	7319.2	2798.0	1130.3	772.1	593.0	494.1	444.7	426.2	401.5	401.5
32.5°	9437.8	8023.4	2779.5	1266.2	815.3	580.6	469.4	420.0	401.5	382.9	382.9
35°	10382.8	8665.7	2884.5	1445.3	901.8	562.1	438.5	395.3	376.8	364.4	358.2
37.5°	11284.6	9178.4	2983.3	1556.5	852.4	481.8	401.5	364.4	345.9	321.2	321.2
40°	11883.7	9456.3	3001.8	1470.0	704.1	432.4	364.4	327.4	302.7	290.3	284.1
42.5°	12322.3	9635.5	2791.8	1192.1	611.5	395.3	333.5	296.5	277.9	265.6	265.6
45°	12501.4	9573.7	2433.6	908.0	562.1	364.4	302.7	271.8	259.4	247.1	247.1
47.5°	12476.7	9289.6	2069.2	728.8	512.7	333.5	284.1	259.4	247.1	234.7	228.5
50°	12433.5	9024.0	1698.6	648.5	457.1	315.0	265.6	247.1	228.5	216.2	210.0
52.5°	12717.6	8937.5	1408.3	593.0	426.2	302.7	259.4	234.7	216.2	203.8	203.8
55°	13001.7	8974.6	1105.6	555.9	395.3	296.5	253.2	228.5	210.0	191.5	191.5
57.5°	12983.2	8814.0	840.0	518.8	370.6	290.3	247.1	222.4	191.5	179.1	179.1
60°	*11803.4*	*7862.8*	*654.7*	*475.6*	*339.7*	*271.8*	*228.5*	*210.0*	*179.1*	*160.6*	*160.6*
62.5°	9981.4	6182.8	537.4	420.0	302.7	247.1	210.0	191.5	160.6	129.7	129.7
65°	7374.8	4459.5	432.4	364.4	277.9	216.2	191.5	166.8	129.7	105.0	98.8
67.5°	4990.7	2742.4	345.9	302.7	247.1	185.3	160.6	142.1	117.4	86.5	80.3
70°	2958.6	1457.7	253.2	210.0	185.3	135.9	135.9	123.5	98.8	74.1	67.9
72.5°	1408.3	506.5	185.3	154.4	142.1	98.8	105.0	105.0	80.3	55.6	49.4
75°	716.5	247.1	123.5	111.2	92.6	74.1	86.5	80.3	55.6	37.1	37.1
77.5°	407.7	172.9	86.5	74.1	61.8	49.4	55.6	49.4	30.9	18.5	18.5
80°	228.5	123.5	55.6	49.4	37.1	30.9	30.9	24.7	18.5	6.2	6.2
82.5°	86.5	74.1	37.1	24.7	18.5	18.5	12.4	12.4	6.2	0.0	0.0
85°	37.1	18.5	18.5	12.4	12.4	6.2	6.2	6.2	0.0	0.0	0.0
87.5°	6.2	6.2	6.2	6.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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CANDELA DISTRIBUTION (continued):

	185°	195°	205°	215°	225°	235°	245°	255°	265°	270°	275°
0°	3780.1	3780.1	3780.1	3780.1	3780.1	3780.1	3780.1	3780.1	3780.1	3780.1	3780.1
2.5°	3545.4	3557.7	3570.1	3619.5	3631.8	3668.9	3699.8	3736.8	3743.0	3792.4	3792.4
5°	3057.4	3051.2	3156.2	3310.6	3409.5	3545.4	3650.4	3761.5	3823.3	3903.6	3940.7
7.5°	2025.9	2180.3	2415.0	2686.8	3038.9	3366.2	3613.3	3829.5	3977.7	4070.4	4107.4
10°	1006.8	1093.3	1340.3	1785.0	2384.2	3051.2	3576.2	3977.7	4218.6	4323.6	4391.5
12.5°	710.3	728.8	772.1	1013.0	1587.4	2532.4	3458.9	4138.3	4471.8	4669.5	4756.0
15°	636.2	648.5	667.1	735.0	982.1	1890.0	3248.9	4317.4	4867.1	5095.7	5206.9
17.5°	586.8	593.0	611.5	667.1	772.1	1284.7	2909.2	4508.9	5342.7	5620.7	5830.7
20°	543.5	543.5	562.1	630.0	716.5	988.3	2421.2	4725.1	5948.0	6349.5	6559.5
22.5°	494.1	506.5	518.8	593.0	698.0	901.8	1964.2	4891.9	6621.3	7109.2	7356.3
25°	457.1	469.4	481.8	555.9	679.4	901.8	1698.6	4996.9	7374.8	7955.4	8295.1
27.5°	426.2	438.5	457.1	531.2	660.9	938.8	1593.6	5027.7	8196.3	8949.9	9406.9
30°	401.5	413.8	432.4	512.7	673.2	982.1	1630.6	4984.5	9030.2	9975.2	10518.7
32.5°	376.8	389.1	407.7	494.1	673.2	1037.7	1754.1	4898.0	9839.3	11000.5	11667.6
35°	358.2	364.4	370.6	444.7	611.5	1031.5	1908.6	4811.6	10654.6	12013.5	12791.7
37.5°	321.2	327.4	339.7	382.9	487.9	938.8	1939.4	4706.6	11297.0	12865.8	13724.4
40°	284.1	296.5	308.8	352.1	407.7	759.7	1803.6	4484.2	11636.7	13520.5	14564.4
42.5°	259.4	265.6	277.9	321.2	376.8	605.3	1513.3	4095.1	11939.3	13965.3	15175.9
45°	240.9	247.1	259.4	290.3	352.1	525.0	1192.1	3619.5	11964.0	14107.3	15472.3
47.5°	222.4	228.5	234.7	265.6	339.7	469.4	914.1	3187.1	11957.9	14292.6	15725.6
50°	210.0	216.2	228.5	253.2	321.2	420.0	753.5	2835.1	12217.3	14694.1	16238.2
52.5°	203.8	203.8	222.4	247.1	302.7	382.9	630.0	2520.0	12353.2	15089.4	16608.8
55°	191.5	197.7	210.0	234.7	284.1	364.4	537.4	2124.7	12414.9	15287.0	16676.8
57.5°	179.1	185.3	203.8	222.4	271.8	345.9	463.2	1587.4	11531.7	14255.6	15540.3
60°	*160.6*	*172.9*	*197.7*	*216.2*	*253.2*	*315.0*	*407.7*	*1074.7*	*9728.1*	*12390.2*	*13464.9*
62.5°	129.7	154.4	179.1	191.5	228.5	265.6	345.9	716.5	7770.1	10253.1	11476.1
65°	98.8	129.7	148.2	166.8	191.5	222.4	290.3	487.9	5182.2	6899.2	8276.6
67.5°	86.5	111.2	123.5	135.9	160.6	191.5	234.7	339.7	3143.9	4144.5	5503.3
70°	67.9	92.6	105.0	98.8	123.5	148.2	166.8	228.5	1605.9	2248.3	3131.5
72.5°	49.4	74.1	80.3	80.3	74.1	105.0	123.5	160.6	698.0	1093.3	1420.6
75°	37.1	49.4	55.6	49.4	43.2	67.9	86.5	105.0	457.1	654.7	827.7
77.5°	18.5	18.5	30.9	30.9	18.5	37.1	43.2	61.8	259.4	382.9	475.6
80°	6.2	0.0	0.0	6.2	0.0	12.4	18.5	30.9	135.9	203.8	296.5
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.2	67.9	61.8	154.4
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	12.4	37.1
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: P1501754
CATALOG NUMBER: GSS-SB6B-722-U-T2LG-HSS

CANDELA DISTRIBUTION (continued):

	285°	293°	295°	305°	315°	325°	335°	345°	355°	360°
0°	3780.1	*3780.1*	3780.1	3780.1	3780.1	3780.1	3780.1	3780.1	3780.1	3780.1
2.5°	3823.3	*3823.3*	3848.0	3885.1	3903.6	3916.0	3922.1	3934.5	3983.9	3971.5
5°	3983.9	*3996.2*	4014.8	4051.8	4095.1	4082.7	4082.7	4082.7	4113.6	4088.9
7.5°	4193.9	*4231.0*	4237.1	4280.4	4249.5	4187.7	4150.7	4095.1	4088.9	4088.9
10°	4533.6	*4521.3*	4521.3	4465.7	4354.5	4175.4	4014.8	3903.6	3841.8	3848.0
12.5°	4898.0	*4848.6*	4854.8	4651.0	4336.0	3940.7	3613.3	3372.4	3353.9	3335.4
15°	5348.9	*5219.2*	5194.5	4725.1	4058.0	3452.7	3131.5	2940.1	2878.3	2859.8
17.5°	5991.3	*5663.9*	5546.6	4595.4	3693.6	3150.1	2909.2	2822.7	2816.5	2810.3
20°	6670.7	*6022.2*	5799.8	4403.9	3570.1	3156.2	2977.1	2952.4	2940.1	2946.2
22.5°	7461.3	*6250.7*	5966.6	4434.8	3681.2	3360.1	3218.0	3199.5	3187.1	3199.5
25°	8276.6	*6516.3*	6164.2	4681.8	4014.8	3736.8	3570.1	3533.0	3570.1	3625.7
27.5°	9098.1	*6874.5*	6553.4	5169.8	4552.1	4249.5	4088.9	4224.8	4280.4	4286.5
30°	9826.9	*7374.8*	7078.4	5855.4	5163.6	4861.0	4891.9	5064.8	5132.7	5200.7
32.5°	10494.0	*8041.9*	7813.4	6633.6	5954.2	5775.1	5756.6	5886.3	5960.4	5917.2
35°	11167.3	*8912.8*	8690.5	7479.8	6923.9	6775.7	6621.3	6874.5	6849.8	6781.9
37.5°	11803.4	*9789.9*	9586.1	8387.8	7813.4	7554.0	7529.3	7757.8	7961.6	7949.3
40°	12260.5	*10500.2*	10253.1	9289.6	8746.0	8523.7	8653.4	9048.7	8999.3	8931.3
42.5°	12680.5	*11105.5*	10883.1	10080.2	9511.9	9610.8	9728.1	9993.7	9962.8	9894.9
45°	12878.2	*11624.3*	11432.9	10679.3	10401.4	10716.4	10710.2	10809.0	10642.2	10617.5
47.5°	13156.1	*11994.9*	11797.3	11216.7	11463.7	11593.4	11229.0	11124.0	10969.6	10846.1
50°	13668.8	*12569.3*	12371.7	12032.0	12242.0	11840.5	11395.8	11167.3	10852.3	10636.1
52.5°	14267.9	*13440.2*	13267.3	13131.4	12544.6	11717.0	11148.7	10734.9	10352.0	10166.7
55°	15021.4	*14725.0*	14601.4	13854.1	12272.9	11210.5	10543.4	9771.4	9246.3	9073.4
57.5°	15268.5	*16608.8*	16565.6	13971.4	11513.1	10290.2	9085.8	8041.9	7498.4	7387.2
60°	*14539.7*	*18085.0*	*17930.6*	*13773.8*	*10135.8*	*8350.7*	*6942.5*	*5873.9*	*4990.7*	*4861.0*
62.5°	13607.0	*16954.7*	16899.1	12779.3	7720.7	5985.1	5188.3	4187.7	3811.0	3712.1
65°	11655.2	*13872.6*	13897.3	10253.1	4885.7	4298.9	4261.8	3329.2	2865.9	2791.8
67.5°	8974.6	*10642.2*	10469.3	6448.4	2847.4	3440.4	3403.3	2433.6	1760.3	1710.9
70°	5243.9	*7924.6*	7646.6	3353.9	1883.9	2872.1	2618.9	1710.9	1198.3	1142.7
72.5°	2316.2	*4360.7*	4681.8	1476.2	1328.0	2285.3	1890.0	1050.0	673.2	660.9
75°	1284.7	*2161.8*	2260.6	642.4	932.7	1624.4	1142.7	586.8	382.9	376.8
77.5°	772.1	*957.4*	932.7	413.8	698.0	1037.7	691.8	333.5	240.9	228.5
80°	432.4	*438.5*	370.6	302.7	413.8	580.6	389.1	210.0	111.2	111.2
82.5°	265.6	*240.9*	191.5	92.6	111.2	352.1	142.1	117.4	37.1	37.1
85°	111.2	*74.1*	49.4	18.5	43.2	92.6	49.4	55.6	18.5	18.5
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

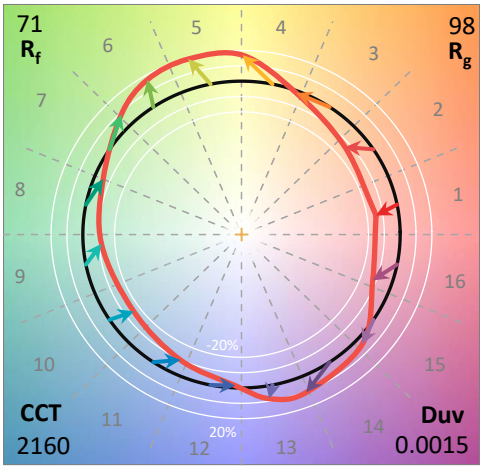
Test Information

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

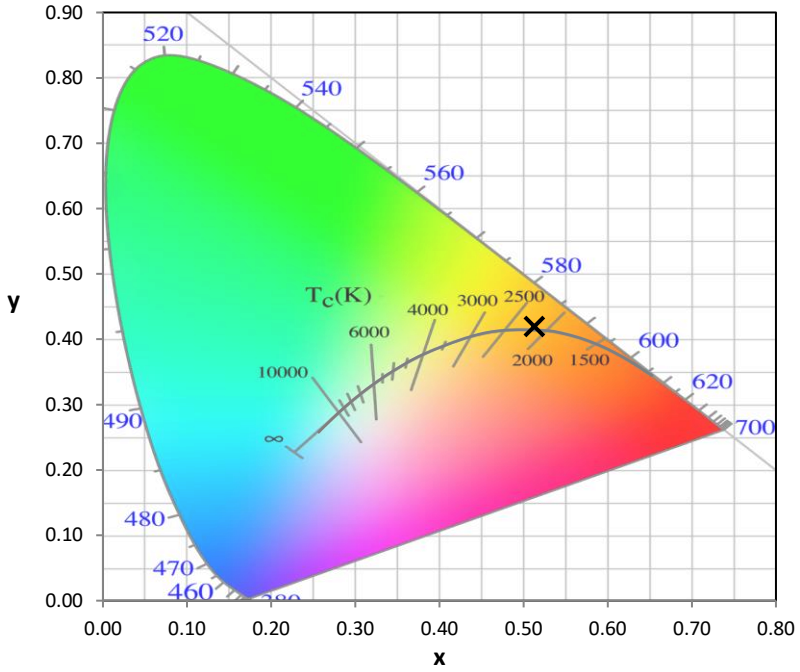
Stabilization Time:	21M
Operation Time:	1H 21M
Sphere Temperature (°C):	25.2

REPORT NUMBER: SP1-2407-184-2

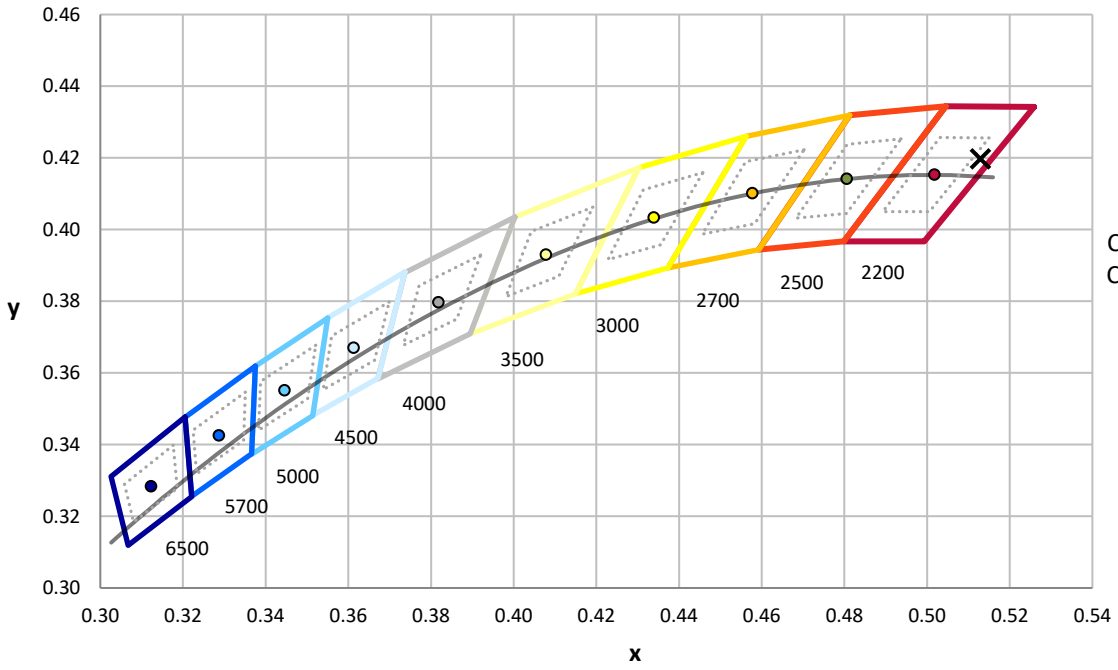
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

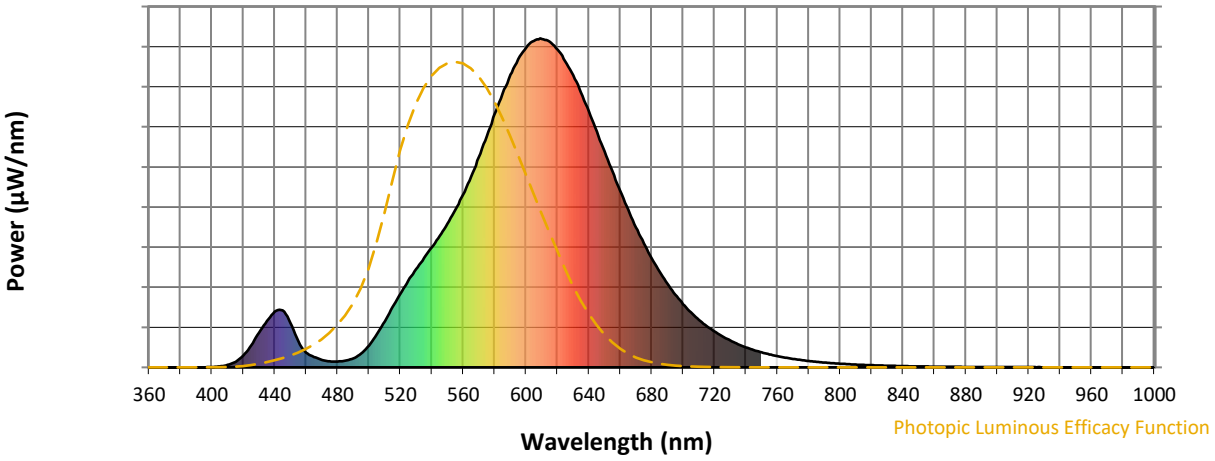


CCT = 2160K
CIE x = 0.5130
CIE y = 0.4197
Duv = 0.0015

Point lies inside the ANSI 2200K 7-step quadrangle

REPORT NUMBER: SP1-2407-184-2

Photopic Flux vs. Wavelength

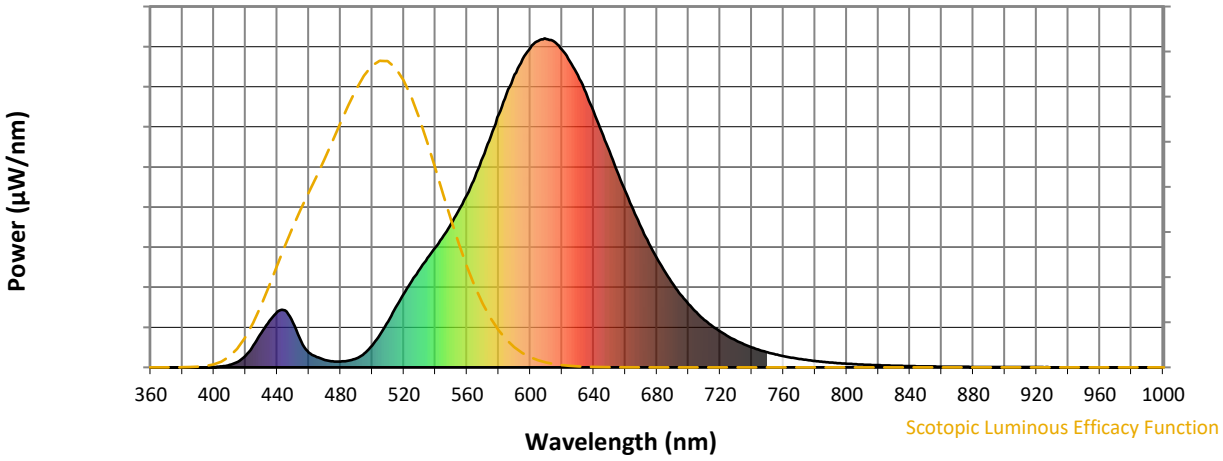


Photopic Lumens: NR

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

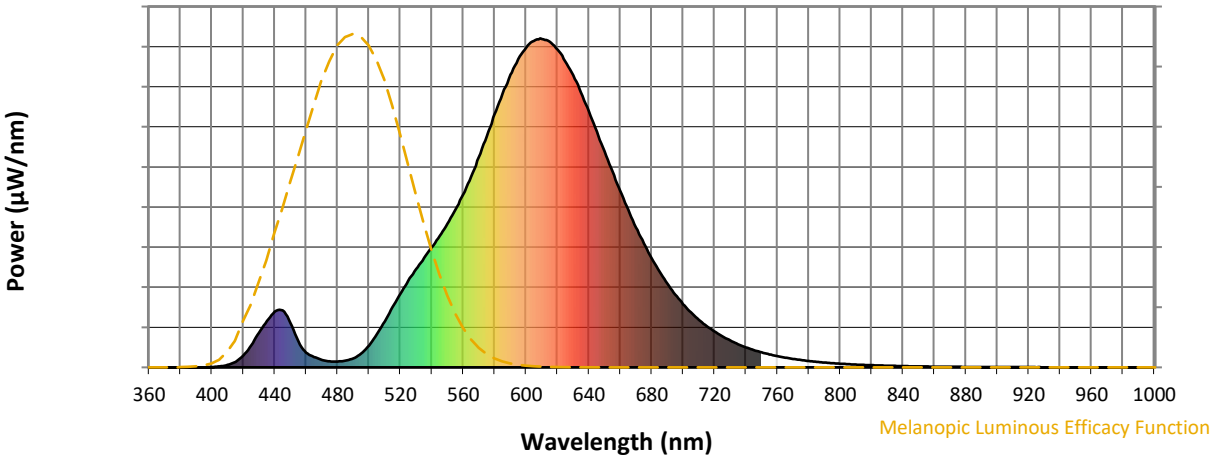


Scotopic Lumens: NR **S/P: 0.8**

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			

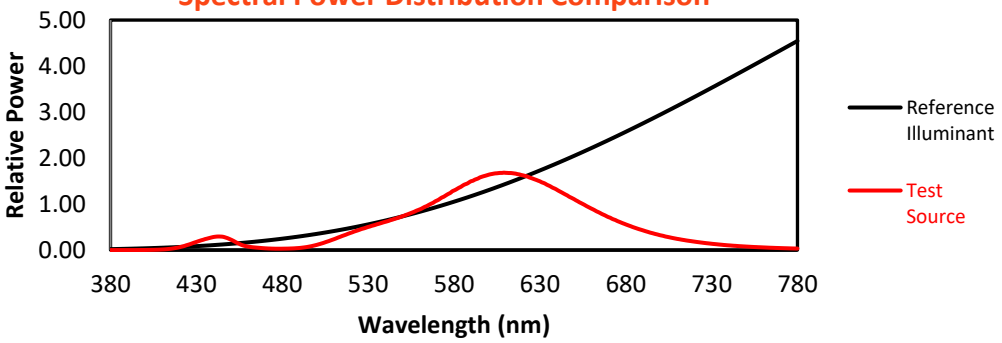
REPORT NUMBER: SP1-2407-184-2

TM-30-18

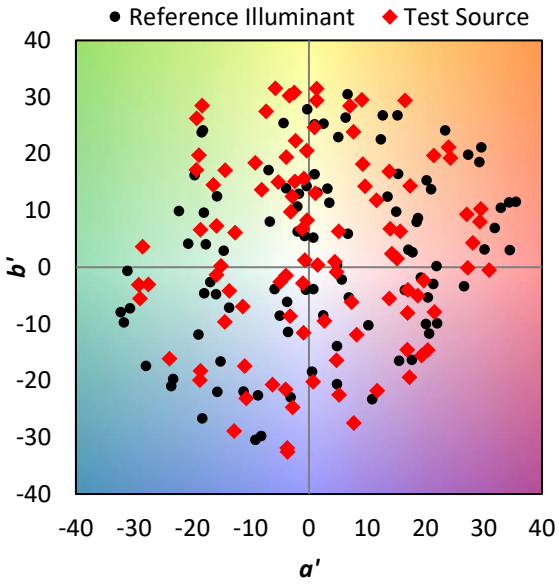
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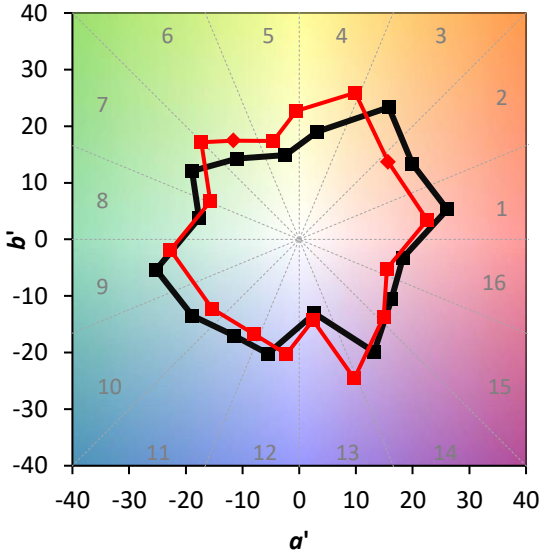
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R_g = 97.6
CIE R_a = 71.9
R_9 = -17.8

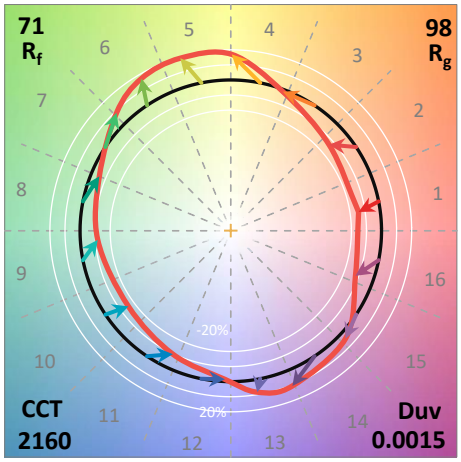
Spectral Power Distribution Comparison

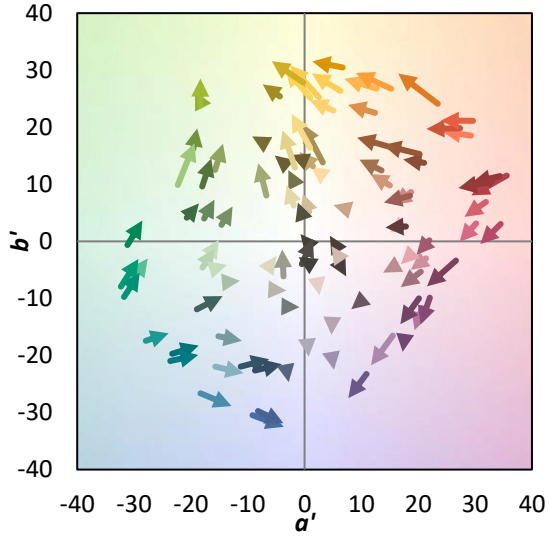


Color Vector Graphics







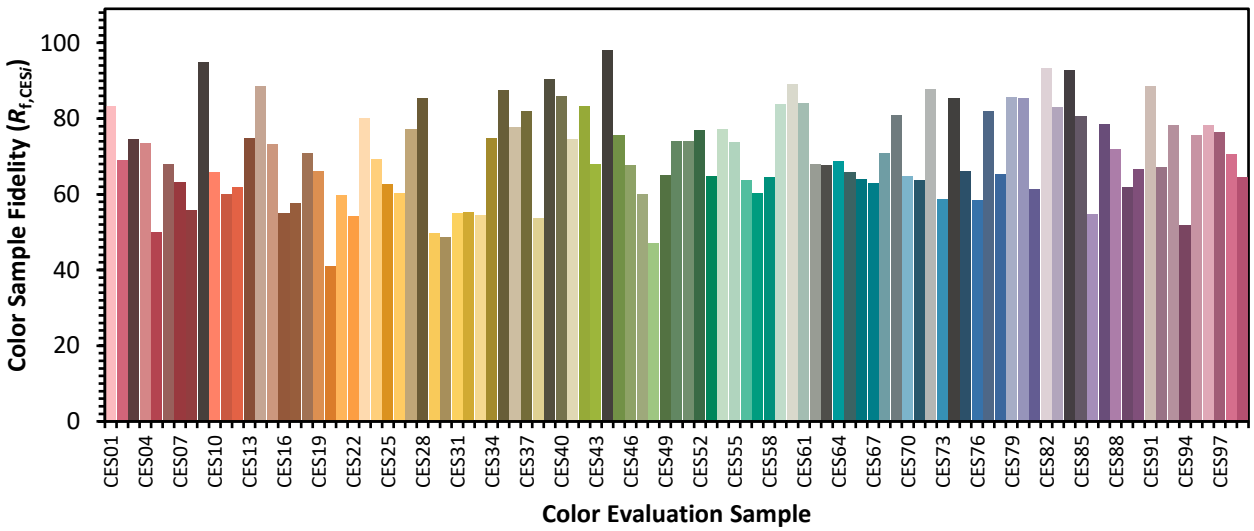


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Individual Sample Fidelity Index ($R_{f,i}$)

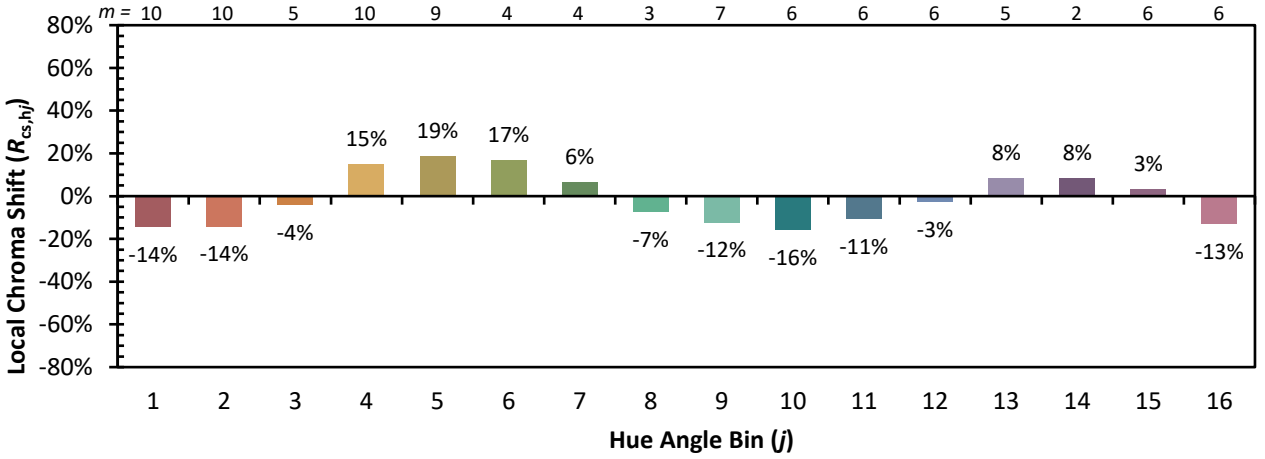
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CES02 = 65	CES27 = 77	CES52 = 77	CES77 = 82
CES03 = 32	CES28 = 85	CES53 = 65	CES78 = 65
CES04 = 72	CES29 = 50	CES54 = 77	CES79 = 86
CES05 = 52	CES30 = 49	CES55 = 74	CES80 = 85
CES06 = 53	CES31 = 55	CES56 = 64	CES81 = 61
CES07 = 44	CES32 = 55	CES57 = 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	

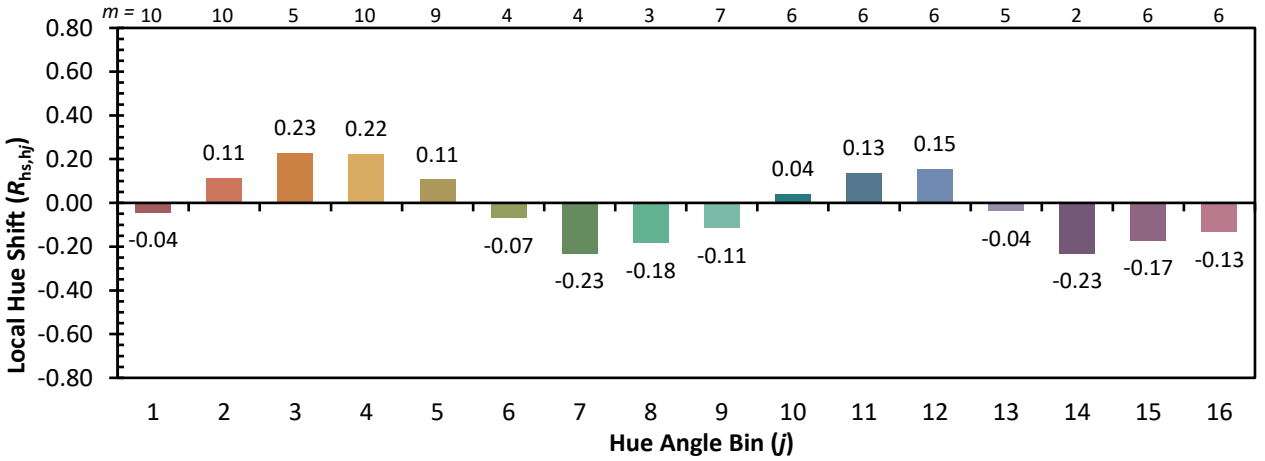


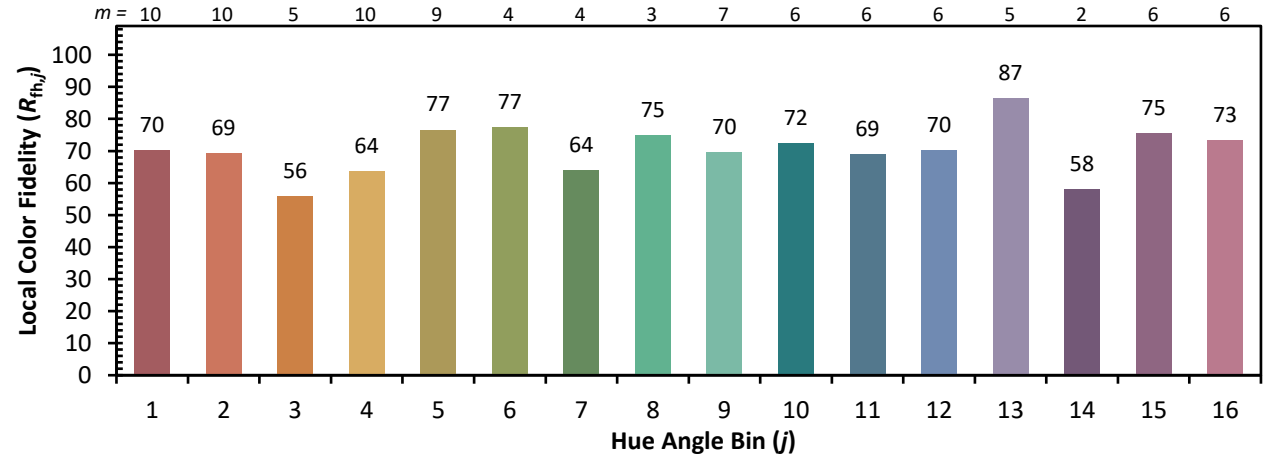
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Color Rendition by Hue-Angle Bin



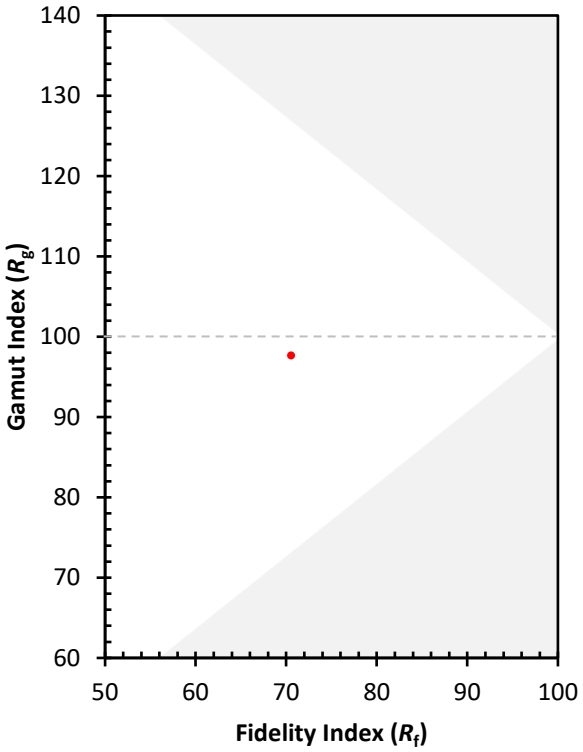


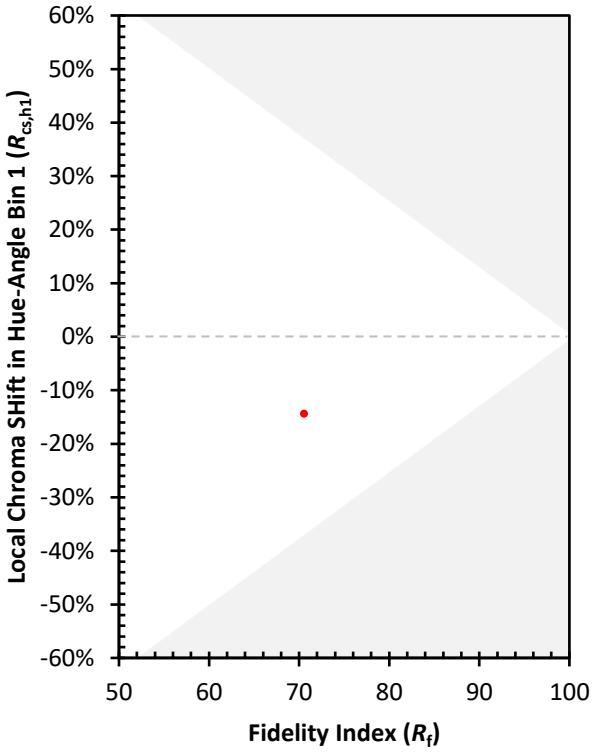


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Measure Comparisons





(END OF REPORT)