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: P1501773

Luminaire Tested: GSS-SB5A-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:	P1501773
Test Lab:	INNOVATION CENTER(G1)
Issue Date:	7/20/2026
Manufacturer:	COOPER LIGHTING SOLUTIONS
Product Line:	McGRAW-EDISON
Catalog Number:	GSS-SB5A-727-U-T2LG-HSS
Description:	GALLEON II SLIM SITE HIGH DENSITY LED ARRAYS 5SQUARE 143W 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:	16373.5 lumens
Efficiency:	N/A
Efficacy:	114.5 lumens/watt
Luminous Opening:	Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification:	Type II - Short
BUG Rating:	B2 - U0 - G2

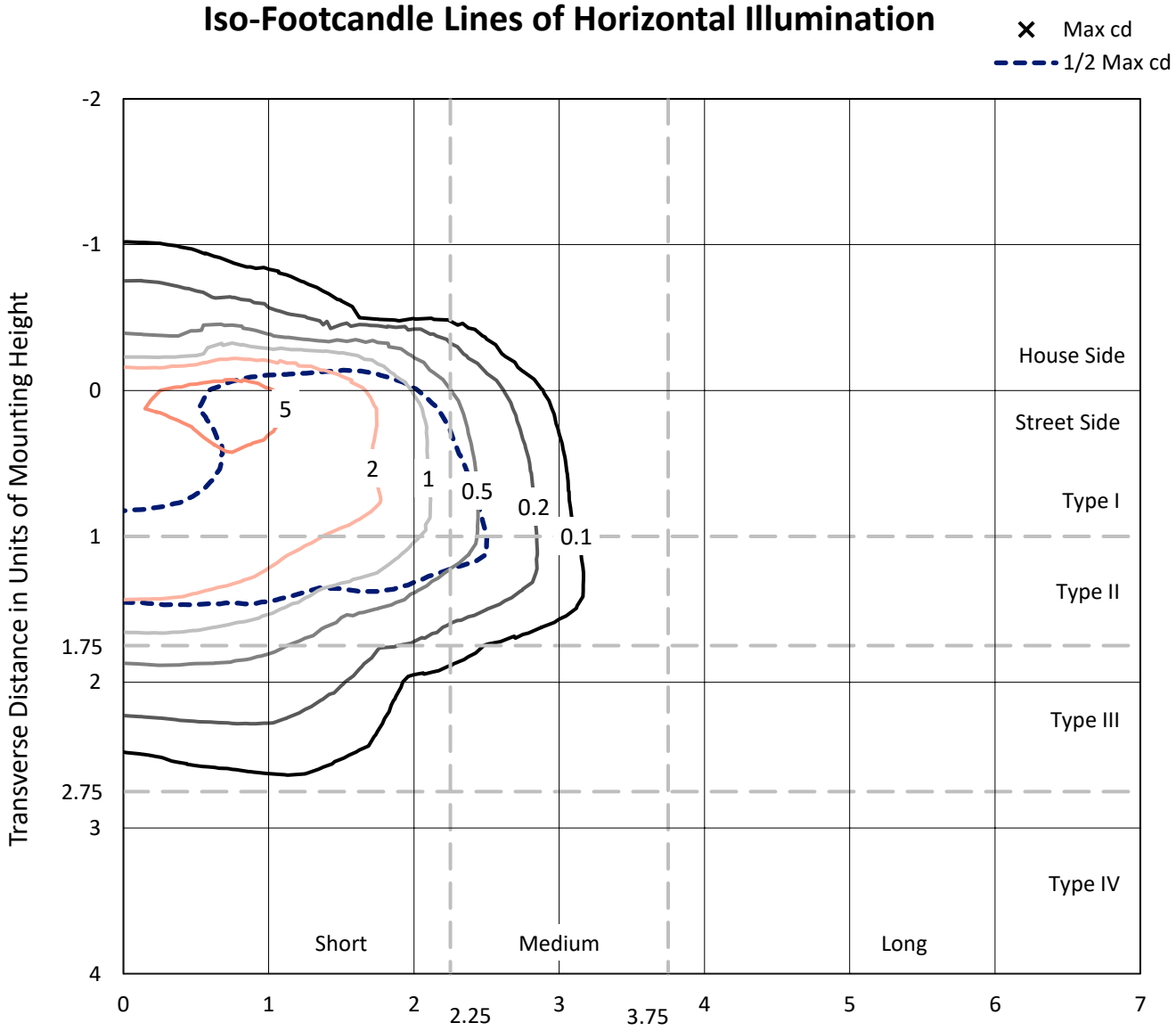
Input Watts (W):	143
Input Voltage (V):	120
Input Current (Ain):	NR
Voltage Rise (V):	NR
Power Factor:	0.98
Total Harmonic Distortion (THDi):	10.5%
Frequency (hertz):	60
Stabilization Time:	NR
Operation Time:	NR
Ambient Temperature (°C):	NR
Test Distance:	28.75 FT

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Iso-Footcandle Lines of Horizontal Illumination



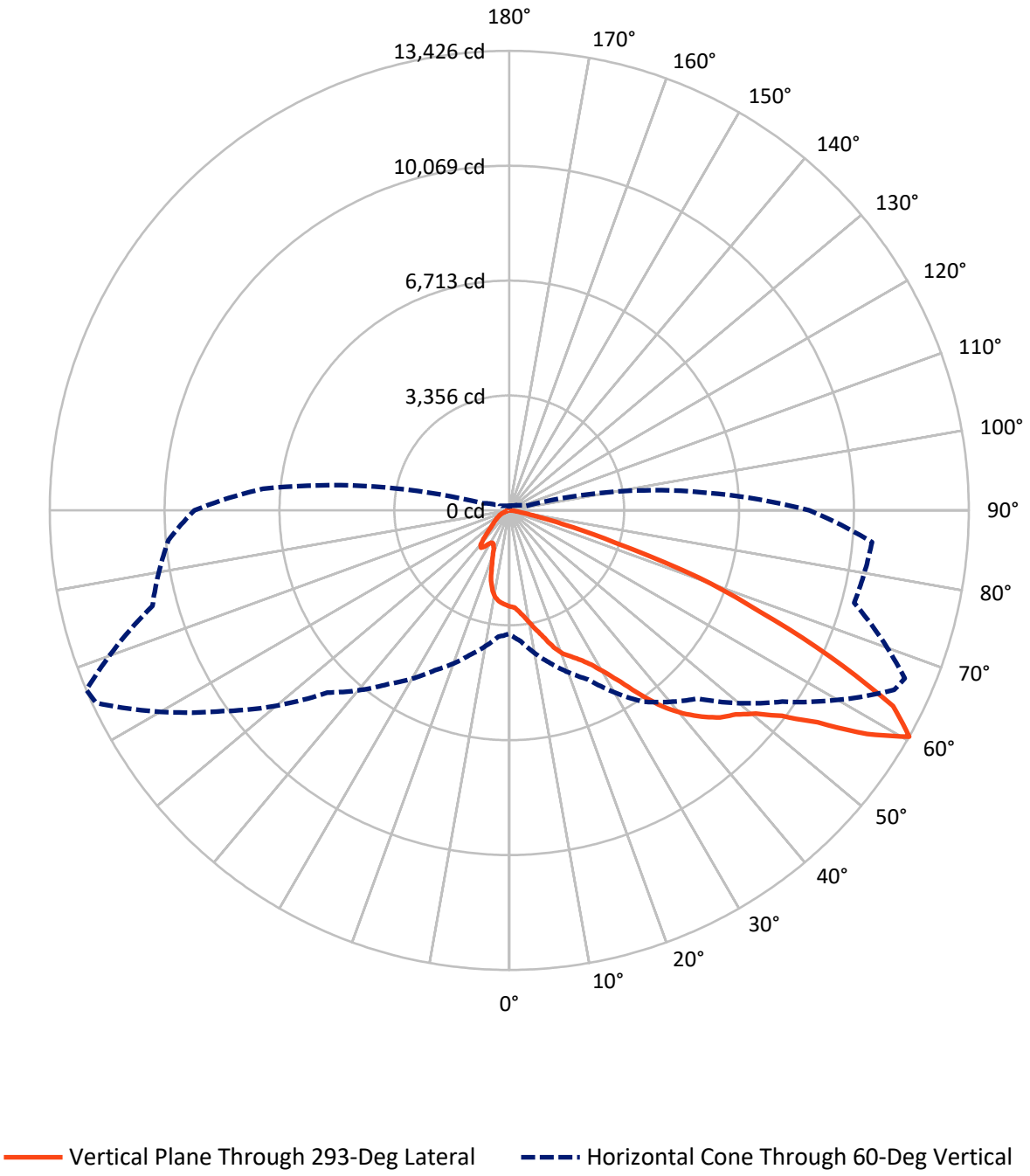
Based on 25 foot mounting height. Maximum calculated value = 7.5 fc
Type II - Short - N/A

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Luminous Intensity Polar Plot



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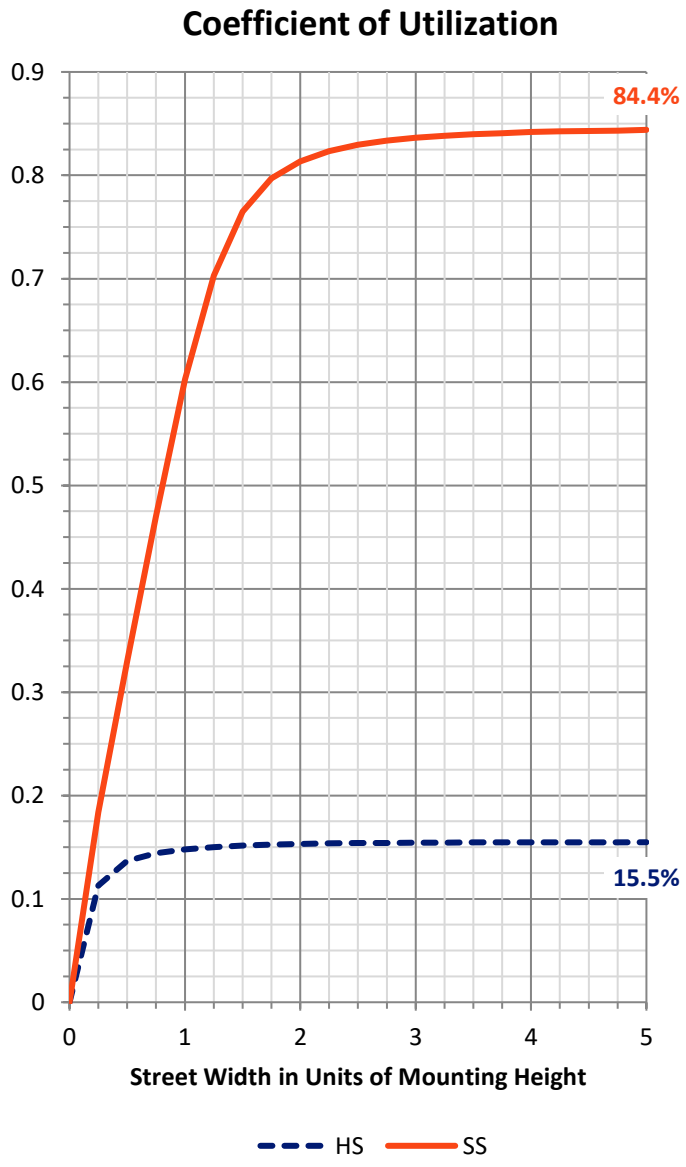
REPORT NUMBER: P1501773
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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2554.7	0.0	2554.7
	% Fixture	15.6	0.0	15.6
Street Side	Lumens	13818.8	0.0	13818.8
	% Fixture	84.4	0.0	84.4
Total	Lumens	16373.5	0.0	16373.5
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	254.1	1.6
10°-20°	640.0	3.9
20°-30°	1194.7	7.3
30°-40°	2369.2	14.5
40°-50°	3777.3	23.1
50°-60°	4513.0	27.6
60°-70°	2958.5	18.1
70°-80°	619.8	3.8
80°-90°	46.9	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°	16373.5	100.0
0°-180°	16373.5	100.0



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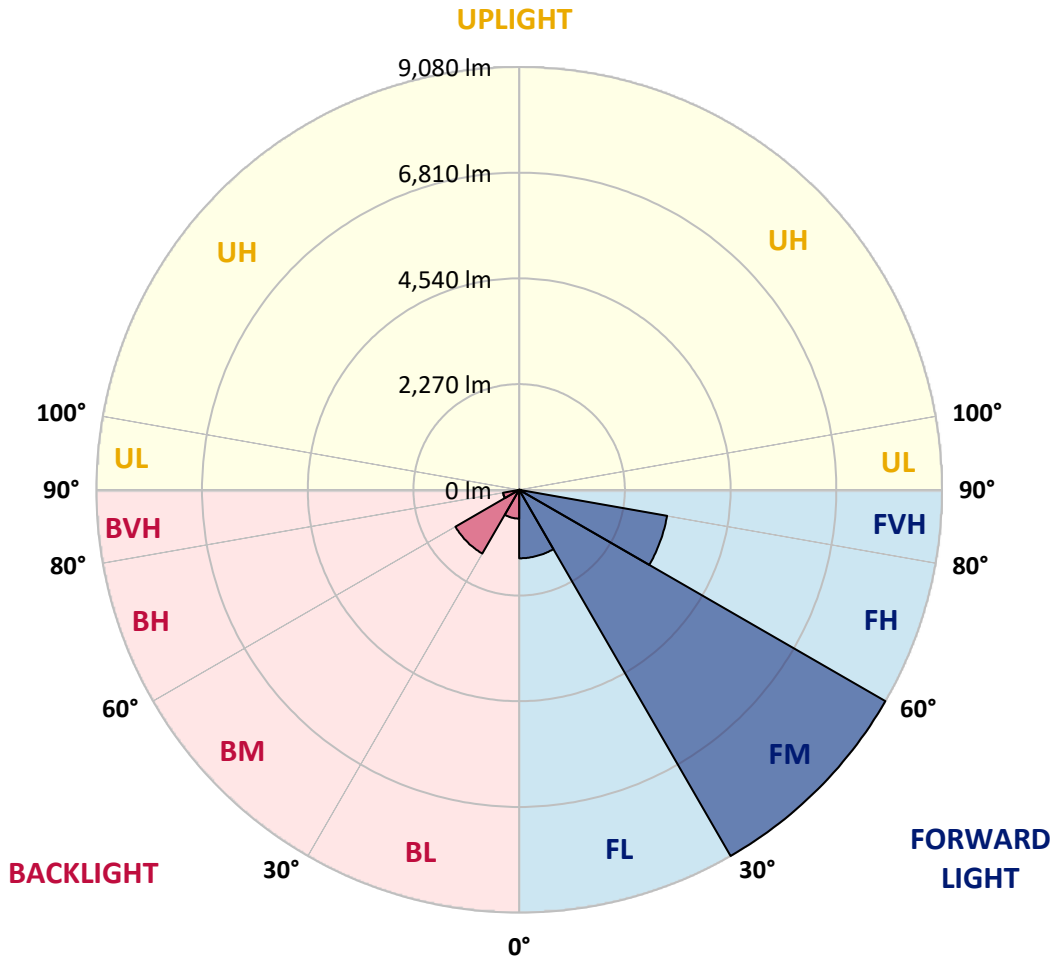
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	1470.7	9.0			
FM	(30°-60°)	9079.7	55.5			
FH	(60°-80°)	3225.5	19.7			G2/5000
FVH	(80°-90°)	43.0	0.3			G1/100
BL	(0°-30°)	618.1	3.8	B2/1000		
BM	(30°-60°)	1579.8	9.6	B2/2500		
BH	(60°-80°)	352.9	2.2	B1/500		G1/500
BVH	(80°-90°)	3.9	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°	2806.2	2806.2	2806.2	2806.2	2806.2	2806.2	2806.2	2806.2	2806.2	2806.2	2806.2
2.5°	2948.4	2939.2	2925.5	2930.0	2925.5	2907.1	2879.6	2856.7	2875.0	2847.5	2829.2
5°	3035.5	3035.5	3026.3	3026.3	3030.9	3021.8	3003.4	2971.3	2975.9	2953.0	2893.4
7.5°	3035.5	3021.8	3044.7	3067.6	3108.9	3131.8	3141.0	3122.6	3131.8	3086.0	3008.0
10°	2856.7	2847.5	2907.1	2994.2	3113.5	3218.9	3287.7	3292.3	3306.0	3260.2	3168.5
12.5°	2476.1	2457.8	2577.0	2742.0	2985.1	3228.1	3420.7	3494.0	3526.1	3507.8	3379.4
15°	2123.0	2146.0	2228.5	2407.3	2732.9	3104.3	3494.0	3737.1	3782.9	3805.9	3654.5
17.5°	2086.3	2090.9	2118.4	2205.6	2453.2	2902.5	3503.2	3989.3	4053.5	4154.3	3948.0
20°	2187.2	2178.0	2205.6	2233.1	2352.3	2723.7	3416.1	4232.3	4356.1	4571.6	4346.9
22.5°	2375.2	2375.2	2389.0	2407.3	2466.9	2710.0	3379.4	4457.0	4667.9	5108.1	4846.7
25°	2691.6	2654.9	2664.1	2641.2	2691.6	2875.0	3461.9	4635.8	4924.7	5704.2	5442.8
27.5°	3182.2	3196.0	3113.5	2989.7	3017.2	3173.1	3663.7	4837.6	5190.6	6323.2	6048.1
30°	3860.9	3837.9	3787.5	3544.5	3434.4	3572.0	4035.1	5167.7	5548.3	7107.3	6855.1
32.5°	4392.8	4457.0	4369.9	4200.2	4030.5	4071.8	4557.9	5699.6	5983.9	7827.2	7689.7
35°	5034.7	5034.7	5053.1	4814.6	4700.0	4690.8	5213.6	6277.4	6561.7	8478.3	8574.6
37.5°	5901.4	5841.8	5740.9	5474.9	5387.8	5502.4	5828.0	6873.5	7180.7	9005.7	9262.4
40°	6630.4	6671.7	6657.9	6272.8	6103.1	6226.9	6515.8	7382.4	7620.9	9345.0	9817.3
42.5°	7345.8	7368.7	7309.1	7125.7	6878.0	6887.2	7125.7	7767.6	8010.6	9670.5	10340.0
45°	7882.2	7877.7	7836.4	7790.5	7643.8	7492.5	7533.8	8194.0	8405.0	9776.0	10624.3
47.5°	8051.9	8088.6	8125.3	8253.7	8354.5	8116.1	7905.2	8423.3	8615.9	9757.7	10729.8
50°	7896.0	7973.9	8152.8	8345.4	8689.3	8670.9	8217.0	8670.9	8858.9	9858.5	10853.6
52.5°	7547.5	7625.5	7863.9	8212.4	8730.5	8987.3	8794.7	9088.2	9308.3	10115.3	11110.3
55°	6735.9	6768.0	7258.6	7717.2	8524.2	8849.8	9413.8	9794.3	9977.8	10427.1	11449.7
57.5°	5484.1	5562.0	6043.5	6790.9	7946.4	8487.5	9766.8	11000.3	10995.7	10725.2	11523.0
60°	*3608.7*	*3837.9*	*4622.0*	*5447.4*	*6827.6*	*7776.8*	*9743.9*	*12412.6*	*12554.7*	*10431.7*	*10638.0*
62.5°	2755.8	2852.1	3296.9	3984.7	5053.1	6447.0	9592.6	12834.4	12944.5	9643.0	9312.9
65°	2072.6	2191.8	2618.2	3232.7	3567.4	4369.9	8602.1	11156.2	11307.5	8606.7	7240.3
67.5°	1270.1	1366.4	1935.0	2654.9	2700.8	2714.5	5805.1	8450.8	8505.9	6942.2	4874.2
70°	848.3	944.6	1338.9	2040.5	2150.5	1563.6	3186.8	6396.6	6392.0	4750.4	2962.1
72.5°	490.6	536.5	848.3	1504.0	1692.0	995.0	1591.1	4067.2	3888.4	2233.1	1384.8
75°	279.7	311.8	467.7	967.5	1187.6	632.8	628.2	2178.0	1925.9	1150.9	756.6
77.5°	169.7	183.4	256.8	632.8	715.3	426.4	348.5	1013.4	976.7	674.0	398.9
80°	82.5	96.3	155.9	371.4	458.5	229.3	210.9	398.9	426.4	371.4	210.9
82.5°	27.5	36.7	87.1	142.1	298.0	91.7	87.1	220.1	233.9	220.1	100.9
85°	13.8	18.3	41.3	45.9	114.6	45.9	32.1	96.3	119.2	73.4	41.3
87.5°	0.0	4.6	4.6	4.6	4.6	4.6	4.6	9.2	9.2	9.2	9.2
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°	2806.2	2806.2	2806.2	2806.2	2806.2	2806.2	2806.2	2806.2	2806.2	2806.2	2806.2
2.5°	2815.4	2806.2	2787.9	2755.8	2751.2	2728.3	2691.6	2668.7	2650.3	2664.1	2668.7
5°	2865.9	2842.9	2787.9	2700.8	2609.1	2517.4	2430.2	2329.4	2260.6	2251.4	2233.1
7.5°	2957.6	2911.7	2792.5	2622.8	2389.0	2168.9	1912.1	1664.5	1540.7	1522.3	1481.1
10°	3104.3	3026.3	2829.2	2485.3	2035.9	1577.4	1187.6	921.7	770.3	742.8	752.0
12.5°	3278.5	3168.5	2833.8	2251.4	1549.9	976.7	674.0	573.2	541.1	527.3	527.3
15°	3503.2	3342.7	2829.2	1948.8	1045.5	628.2	541.1	499.8	486.0	476.9	476.9
17.5°	3787.5	3576.6	2797.1	1494.8	706.1	545.7	495.2	463.1	444.8	440.2	440.2
20°	4122.2	3837.9	2723.7	1114.2	591.5	509.0	467.7	426.4	412.7	403.5	403.5
22.5°	4548.7	4154.3	2581.6	866.6	559.4	486.0	440.2	394.3	380.6	371.4	371.4
25°	5043.9	4557.9	2393.6	779.5	554.8	467.7	412.7	366.8	353.1	348.5	343.9
27.5°	5630.8	4988.9	2219.3	784.1	564.0	454.0	385.2	343.9	330.1	316.4	321.0
30°	6323.2	5433.7	2077.2	839.1	573.2	440.2	366.8	330.1	316.4	298.0	298.0
32.5°	7006.4	5956.4	2063.4	940.0	605.3	431.0	348.5	311.8	298.0	284.3	284.3
35°	7708.0	6433.3	2141.4	1073.0	669.5	417.3	325.6	293.5	279.7	270.5	266.0
37.5°	8377.5	6813.9	2214.7	1155.5	632.8	357.7	298.0	270.5	256.8	238.4	238.4
40°	8822.2	7020.2	2228.5	1091.3	522.7	321.0	270.5	243.0	224.7	215.5	210.9
42.5°	9147.8	7153.2	2072.6	885.0	454.0	293.5	247.6	220.1	206.3	197.2	197.2
45°	9280.8	7107.3	1806.6	674.0	417.3	270.5	224.7	201.8	192.6	183.4	183.4
47.5°	9262.4	6896.4	1536.1	541.1	380.6	247.6	210.9	192.6	183.4	174.2	169.7
50°	9230.3	6699.2	1261.0	481.5	339.3	233.9	197.2	183.4	169.7	160.5	155.9
52.5°	9441.3	6635.0	1045.5	440.2	316.4	224.7	192.6	174.2	160.5	151.3	151.3
55°	9652.2	6662.5	820.8	412.7	293.5	220.1	188.0	169.7	155.9	142.1	142.1
57.5°	9638.4	6543.3	623.6	385.2	275.1	215.5	183.4	165.1	142.1	133.0	133.0
60°	*8762.6*	*5837.2*	*486.0*	*353.1*	*252.2*	*201.8*	*169.7*	*155.9*	*133.0*	*119.2*	*119.2*
62.5°	7409.9	4589.9	398.9	311.8	224.7	183.4	155.9	142.1	119.2	96.3	96.3
65°	5474.9	3310.6	321.0	270.5	206.3	160.5	142.1	123.8	96.3	78.0	73.4
67.5°	3705.0	2035.9	256.8	224.7	183.4	137.6	119.2	105.5	87.1	64.2	59.6
70°	2196.4	1082.1	188.0	155.9	137.6	100.9	100.9	91.7	73.4	55.0	50.4
72.5°	1045.5	376.0	137.6	114.6	105.5	73.4	78.0	78.0	59.6	41.3	36.7
75°	531.9	183.4	91.7	82.5	68.8	55.0	64.2	59.6	41.3	27.5	27.5
77.5°	302.6	128.4	64.2	55.0	45.9	36.7	41.3	36.7	22.9	13.8	13.8
80°	169.7	91.7	41.3	36.7	27.5	22.9	22.9	18.3	13.8	4.6	4.6
82.5°	64.2	55.0	27.5	18.3	13.8	13.8	9.2	9.2	4.6	0.0	0.0
85°	27.5	13.8	13.8	9.2	9.2	4.6	4.6	4.6	0.0	0.0	0.0
87.5°	4.6	4.6	4.6	4.6	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°	2806.2	2806.2	2806.2	2806.2	2806.2	2806.2	2806.2	2806.2	2806.2	2806.2	2806.2
2.5°	2632.0	2641.2	2650.3	2687.0	2696.2	2723.7	2746.6	2774.1	2778.7	2815.4	2815.4
5°	2269.8	2265.2	2343.1	2457.8	2531.1	2632.0	2710.0	2792.5	2838.3	2898.0	2925.5
7.5°	1504.0	1618.6	1792.9	1994.6	2256.0	2499.0	2682.4	2842.9	2953.0	3021.8	3049.3
10°	747.4	811.6	995.0	1325.2	1770.0	2265.2	2654.9	2953.0	3131.8	3209.8	3260.2
12.5°	527.3	541.1	573.2	752.0	1178.4	1880.0	2567.8	3072.2	3319.8	3466.5	3530.7
15°	472.3	481.5	495.2	545.7	729.1	1403.1	2411.9	3205.2	3613.3	3782.9	3865.5
17.5°	435.6	440.2	454.0	495.2	573.2	953.8	2159.7	3347.3	3966.3	4172.7	4328.6
20°	403.5	403.5	417.3	467.7	531.9	733.7	1797.5	3507.8	4415.7	4713.8	4869.7
22.5°	366.8	376.0	385.2	440.2	518.1	669.5	1458.1	3631.6	4915.5	5277.8	5461.2
25°	339.3	348.5	357.7	412.7	504.4	669.5	1261.0	3709.6	5474.9	5905.9	6158.1
27.5°	316.4	325.6	339.3	394.3	490.6	697.0	1183.0	3732.5	6084.8	6644.2	6983.5
30°	298.0	307.2	321.0	380.6	499.8	729.1	1210.5	3700.4	6703.8	7405.4	7808.9
32.5°	279.7	288.9	302.6	366.8	499.8	770.3	1302.2	3636.2	7304.5	8166.5	8661.8
35°	266.0	270.5	275.1	330.1	454.0	765.8	1416.9	3572.0	7909.8	8918.5	9496.3
37.5°	238.4	243.0	252.2	284.3	362.2	697.0	1439.8	3494.0	8386.6	9551.3	10188.7
40°	210.9	220.1	229.3	261.4	302.6	564.0	1338.9	3329.0	8638.8	10037.4	10812.3
42.5°	192.6	197.2	206.3	238.4	279.7	449.4	1123.4	3040.1	8863.5	10367.5	11266.2
45°	178.8	183.4	192.6	215.5	261.4	389.8	885.0	2687.0	8881.9	10473.0	11486.3
47.5°	165.1	169.7	174.2	197.2	252.2	348.5	678.6	2366.0	8877.3	10610.5	11674.3
50°	155.9	160.5	169.7	188.0	238.4	311.8	559.4	2104.7	9069.9	10908.6	12054.9
52.5°	151.3	151.3	165.1	183.4	224.7	284.3	467.7	1870.8	9170.7	11202.0	12330.0
55°	142.1	146.7	155.9	174.2	210.9	270.5	398.9	1577.4	9216.6	11348.8	12380.5
57.5°	133.0	137.6	151.3	165.1	201.8	256.8	343.9	1178.4	8560.9	10583.0	11536.8
60°	*119.2*	*128.4*	*146.7*	*160.5*	*188.0*	*233.9*	*302.6*	*797.9*	*7221.9*	*9198.2*	*9996.1*
62.5°	96.3	114.6	133.0	142.1	169.7	197.2	256.8	531.9	5768.4	7611.7	8519.6
65°	73.4	96.3	110.0	123.8	142.1	165.1	215.5	362.2	3847.1	5121.9	6144.4
67.5°	64.2	82.5	91.7	100.9	119.2	142.1	174.2	252.2	2334.0	3076.8	4085.6
70°	50.4	68.8	78.0	73.4	91.7	110.0	123.8	169.7	1192.2	1669.1	2324.8
72.5°	36.7	55.0	59.6	59.6	55.0	78.0	91.7	119.2	518.1	811.6	1054.6
75°	27.5	36.7	41.3	36.7	32.1	50.4	64.2	78.0	339.3	486.0	614.4
77.5°	13.8	13.8	22.9	22.9	13.8	27.5	32.1	45.9	192.6	284.3	353.1
80°	4.6	0.0	0.0	4.6	0.0	9.2	13.8	22.9	100.9	151.3	220.1
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.6	50.4	45.9	114.6
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	9.2	27.5
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: P1501773
CATALOG NUMBER: GSS-SB5A-727-U-T2LG-HSS

CANDELA DISTRIBUTION (continued):

	285°	293°	295°	305°	315°	325°	335°	345°	355°	360°
0°	2806.2	*2806.2*	2806.2	2806.2	2806.2	2806.2	2806.2	2806.2	2806.2	2806.2
2.5°	2838.3	*2838.3*	2856.7	2884.2	2898.0	2907.1	2911.7	2920.9	2957.6	2948.4
5°	2957.6	*2966.7*	2980.5	3008.0	3040.1	3030.9	3030.9	3030.9	3053.9	3035.5
7.5°	3113.5	*3141.0*	3145.6	3177.7	3154.7	3108.9	3081.4	3040.1	3035.5	3035.5
10°	3365.7	*3356.5*	3356.5	3315.2	3232.7	3099.7	2980.5	2898.0	2852.1	2856.7
12.5°	3636.2	*3599.5*	3604.1	3452.8	3218.9	2925.5	2682.4	2503.6	2489.9	2476.1
15°	3970.9	*3874.6*	3856.3	3507.8	3012.6	2563.2	2324.8	2182.6	2136.8	2123.0
17.5°	4447.8	*4204.8*	4117.7	3411.5	2742.0	2338.5	2159.7	2095.5	2090.9	2086.3
20°	4952.2	*4470.7*	4305.7	3269.4	2650.3	2343.1	2210.1	2191.8	2182.6	2187.2
22.5°	5539.1	*4640.4*	4429.5	3292.3	2732.9	2494.4	2389.0	2375.2	2366.0	2375.2
25°	6144.4	*4837.6*	4576.2	3475.7	2980.5	2774.1	2650.3	2622.8	2650.3	2691.6
27.5°	6754.2	*5103.5*	4865.1	3837.9	3379.4	3154.7	3035.5	3136.4	3177.7	3182.2
30°	7295.3	*5474.9*	5254.8	4346.9	3833.4	3608.7	3631.6	3760.0	3810.4	3860.9
32.5°	7790.5	*5970.1*	5800.5	4924.7	4420.3	4287.3	4273.6	4369.9	4424.9	4392.8
35°	8290.3	*6616.7*	6451.6	5552.9	5140.2	5030.1	4915.5	5103.5	5085.2	5034.7
37.5°	8762.6	*7267.8*	7116.5	6226.9	5800.5	5607.9	5589.6	5759.2	5910.5	5901.4
40°	9101.9	*7795.1*	7611.7	6896.4	6492.9	6327.8	6424.1	6717.6	6680.9	6630.4
42.5°	9413.8	*8244.5*	8079.4	7483.3	7061.5	7134.8	7221.9	7419.1	7396.2	7345.8
45°	9560.5	*8629.7*	8487.5	7928.1	7721.8	7955.6	7951.0	8024.4	7900.6	7882.2
47.5°	9766.8	*8904.8*	8758.0	8327.0	8510.4	8606.7	8336.2	8258.2	8143.6	8051.9
50°	10147.4	*9331.2*	9184.5	8932.3	9088.2	8790.1	8460.0	8290.3	8056.5	7896.0
52.5°	10592.2	*9977.8*	9849.4	9748.5	9312.9	8698.4	8276.6	7969.4	7685.1	7547.5
55°	11151.6	*10931.5*	10839.8	10285.0	9111.1	8322.4	7827.2	7254.0	6864.3	6735.9
57.5°	11335.0	*12330.0*	12297.9	10372.1	8547.1	7639.2	6745.1	5970.1	5566.6	5484.1
60°	*10793.9*	*13425.9*	*13311.3*	*10225.4*	*7524.6*	*6199.4*	*5153.9*	*4360.7*	*3705.0*	*3608.7*
62.5°	10101.6	*12586.8*	12545.6	9487.1	5731.7	4443.2	3851.7	3108.9	2829.2	2755.8
65°	8652.6	*10298.7*	10317.1	7611.7	3627.0	3191.4	3163.9	2471.5	2127.6	2072.6
67.5°	6662.5	*7900.6*	7772.2	4787.1	2113.9	2554.0	2526.5	1806.6	1306.8	1270.1
70°	3893.0	*5883.0*	5676.7	2489.9	1398.5	2132.2	1944.2	1270.1	889.6	848.3
72.5°	1719.5	*3237.3*	3475.7	1095.9	985.9	1696.6	1403.1	779.5	499.8	490.6
75°	953.8	*1604.9*	1678.2	476.9	692.4	1206.0	848.3	435.6	284.3	279.7
77.5°	573.2	*710.7*	692.4	307.2	518.1	770.3	513.6	247.6	178.8	169.7
80°	321.0	*325.6*	275.1	224.7	307.2	431.0	288.9	155.9	82.5	82.5
82.5°	197.2	*178.8*	142.1	68.8	82.5	261.4	105.5	87.1	27.5	27.5
85°	82.5	*55.0*	36.7	13.8	32.1	68.8	36.7	41.3	13.8	13.8
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: SP1-2407-184-3

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

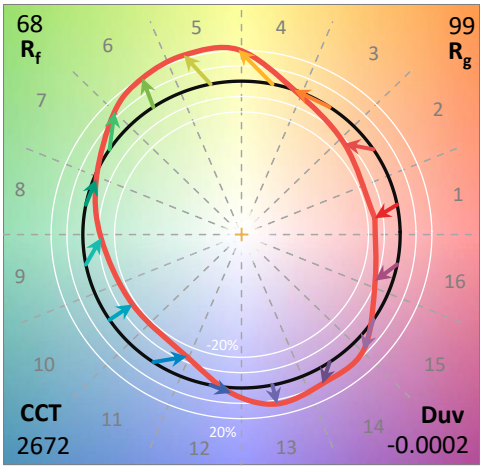
Test Information

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

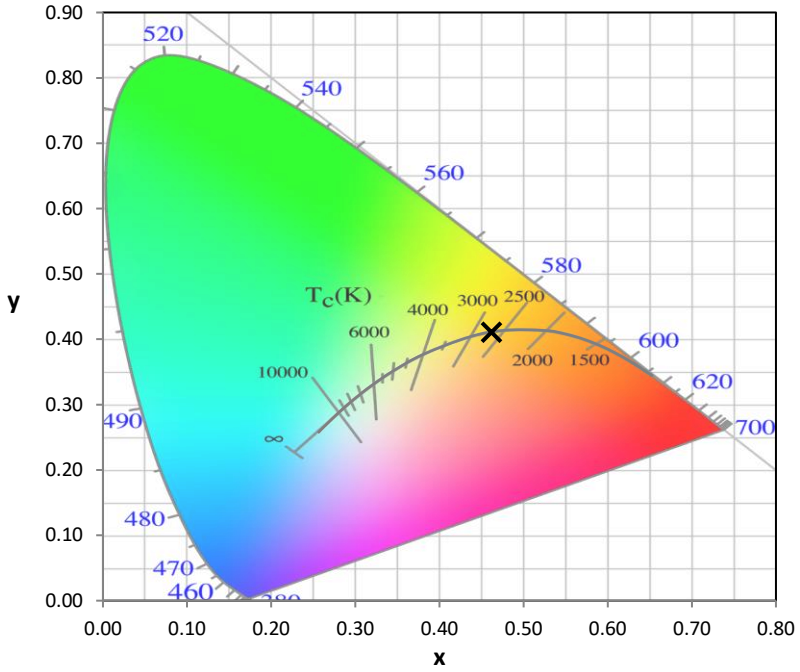
Stabilization Time:	21M
Operation Time:	1H 21M
Sphere Temperature (°C):	25.2

REPORT NUMBER: SP1-2407-184-3

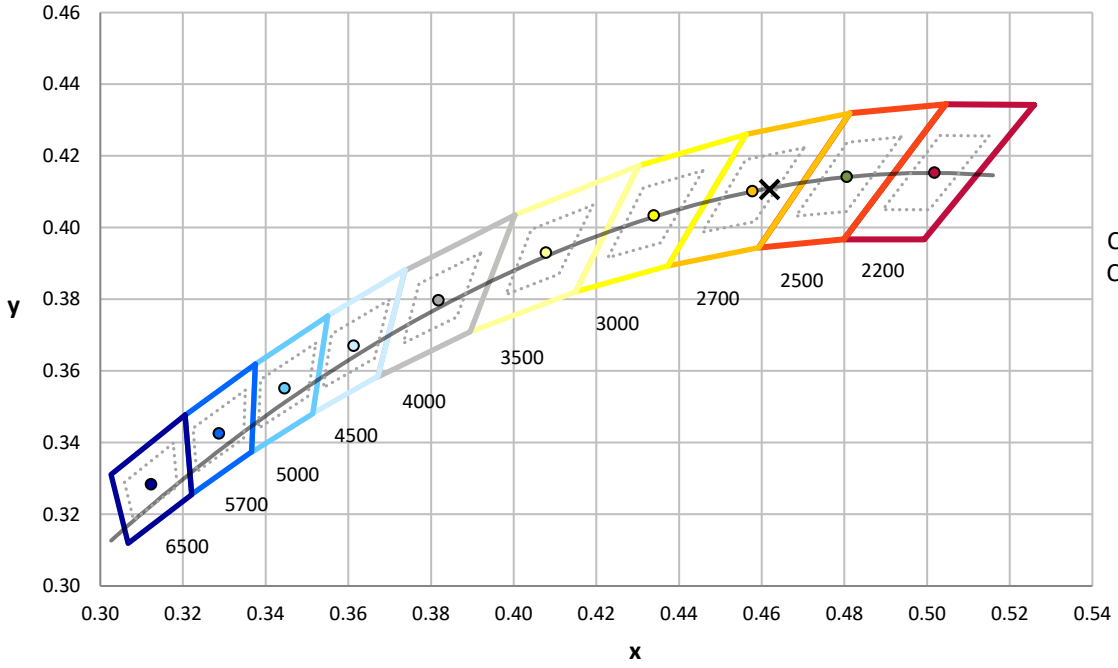
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

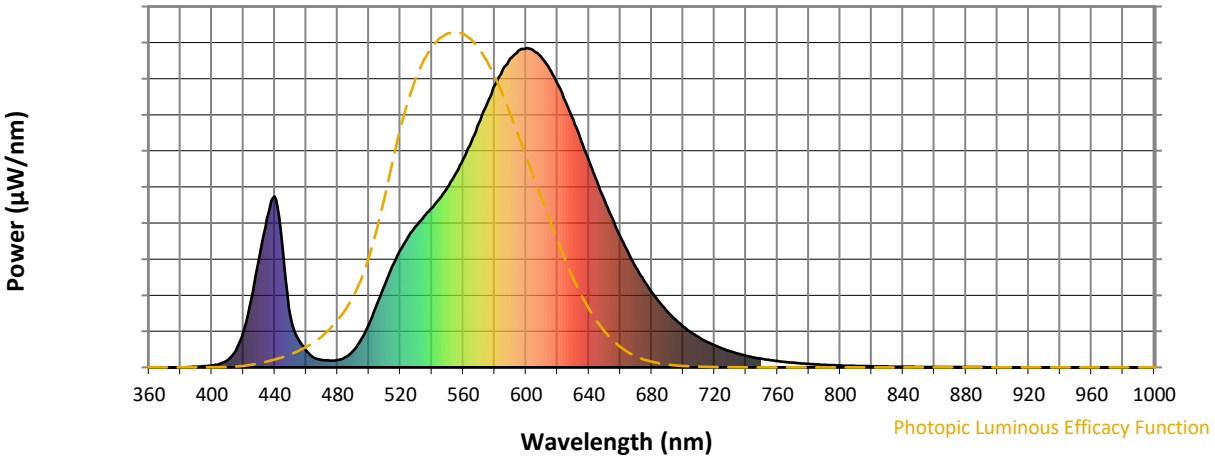


CCT = 2672K
CIE x = 0.4619
CIE y = 0.4106
Duv = -0.0002

Point lies inside the ANSI 2700K 4-step quadrangle

REPORT NUMBER: SP1-2407-184-3

Photopic Flux vs. Wavelength

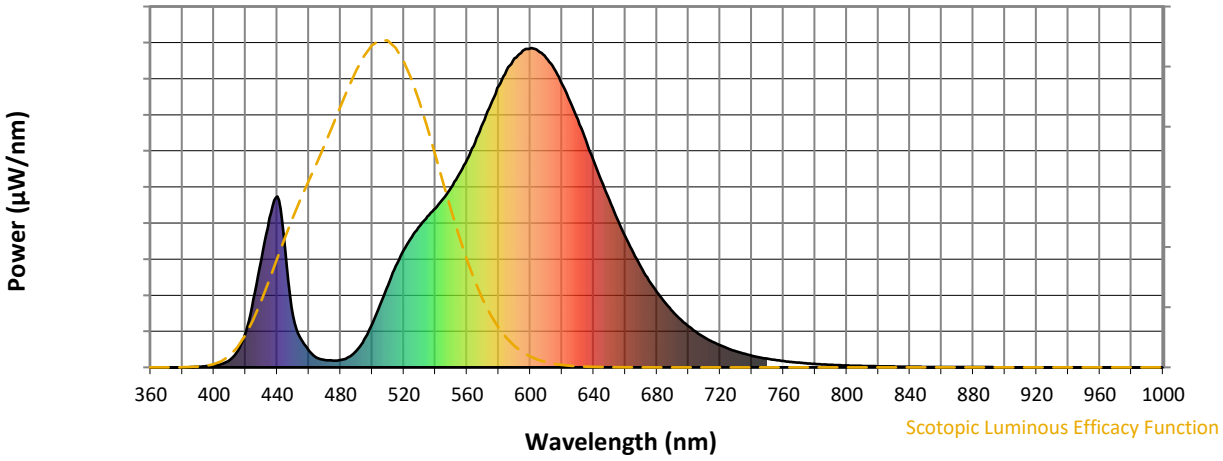


Photopic Lumens: NR

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

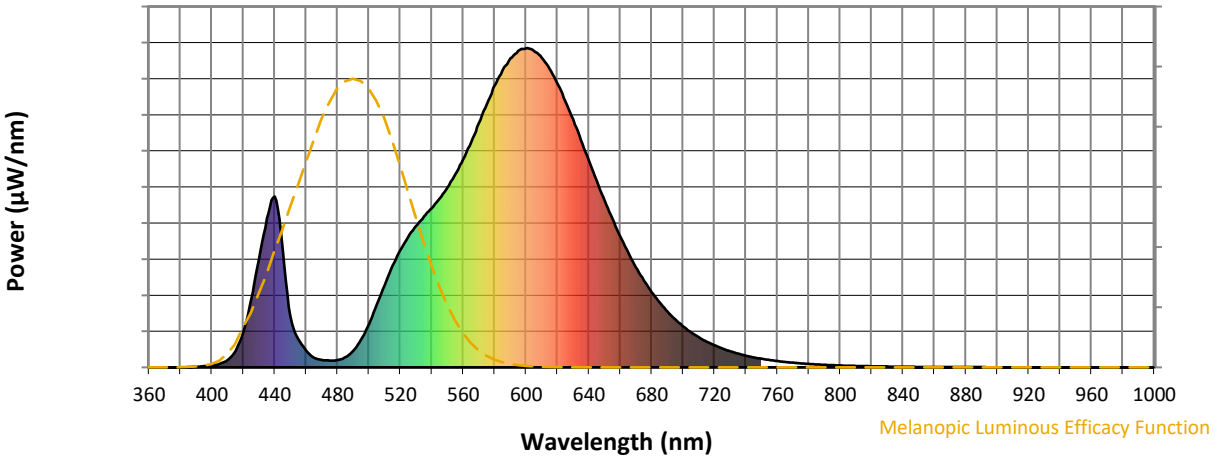


Scotopic Lumens: NR **S/P: 1.02**

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			

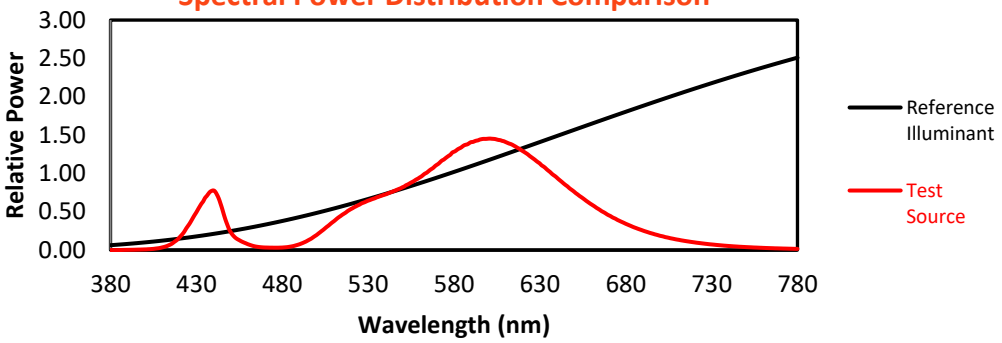
REPORT NUMBER: SP1-2407-184-3

TM-30-18

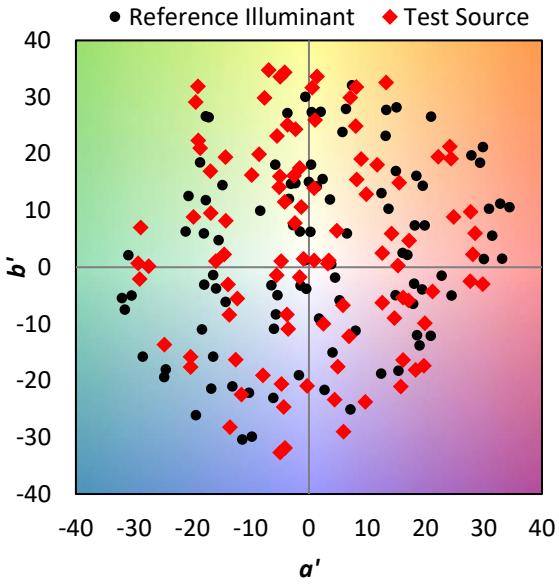
Summary

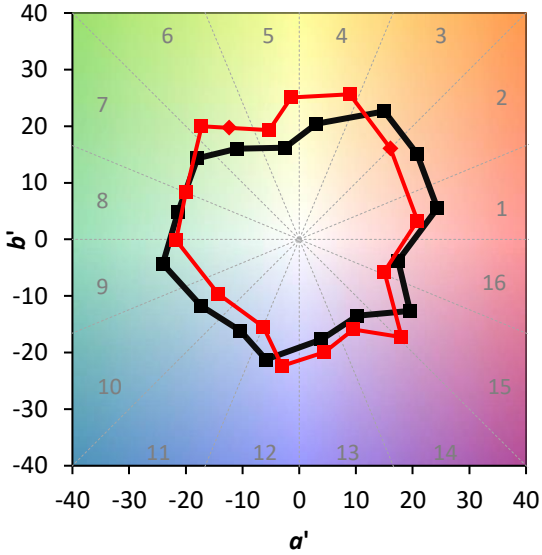
R_f = 67.9
R_g = 98.6
CIE R_a = 71.1
R_9 = -27.8

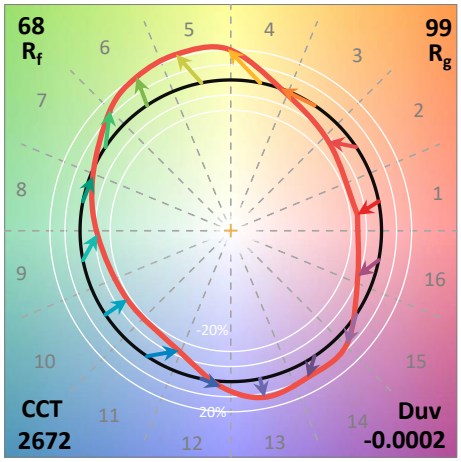
Spectral Power Distribution Comparison

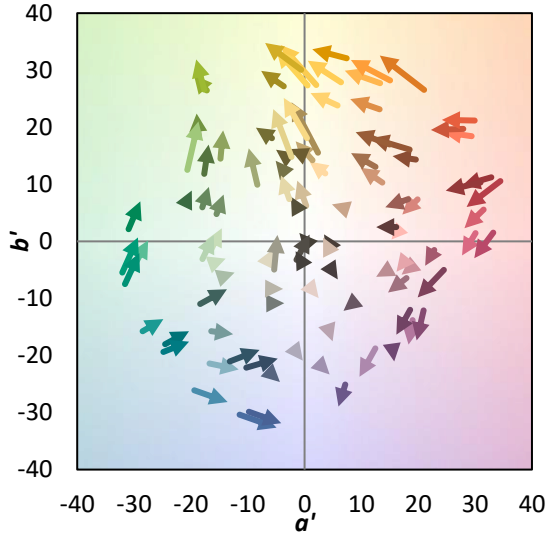


Color Vector Graphics







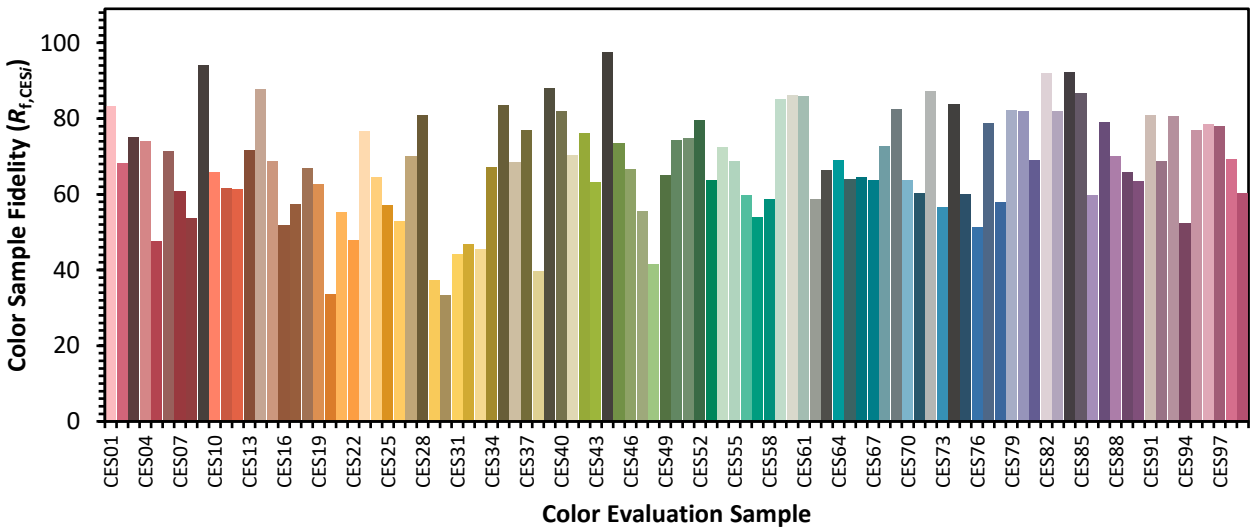


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Individual Sample Fidelity Index ($R_{f,i}$)

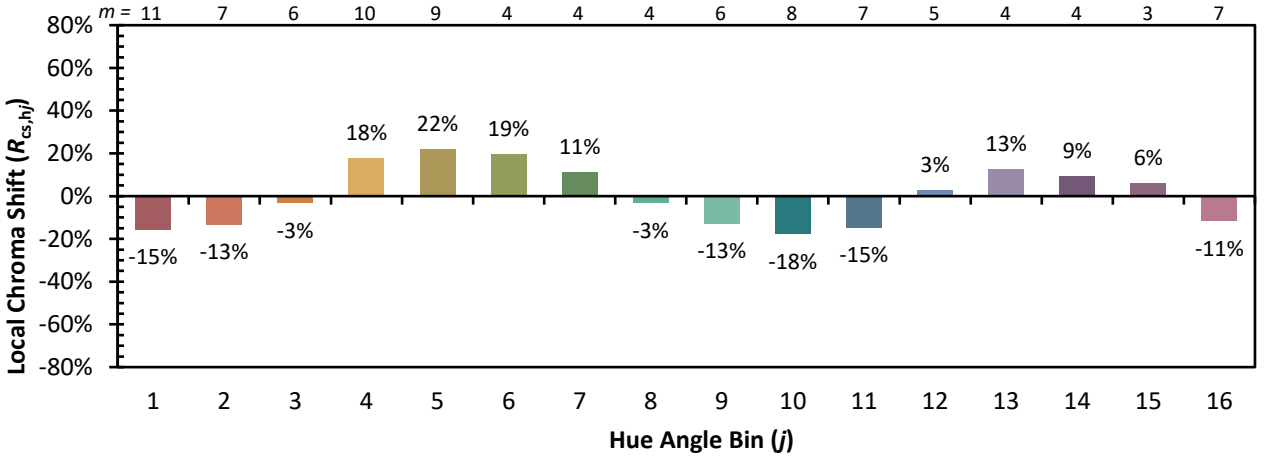
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CES02 = 63	CES27 = 70	CES52 = 80	CES77 = 79
CES03 = 31	CES28 = 81	CES53 = 64	CES78 = 58
CES04 = 71	CES29 = 37	CES54 = 73	CES79 = 82
CES05 = 50	CES30 = 33	CES55 = 69	CES80 = 82
CES06 = 52	CES31 = 44	CES56 = 60	CES81 = 69
CES07 = 42	CES32 = 47	CES57 = 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	

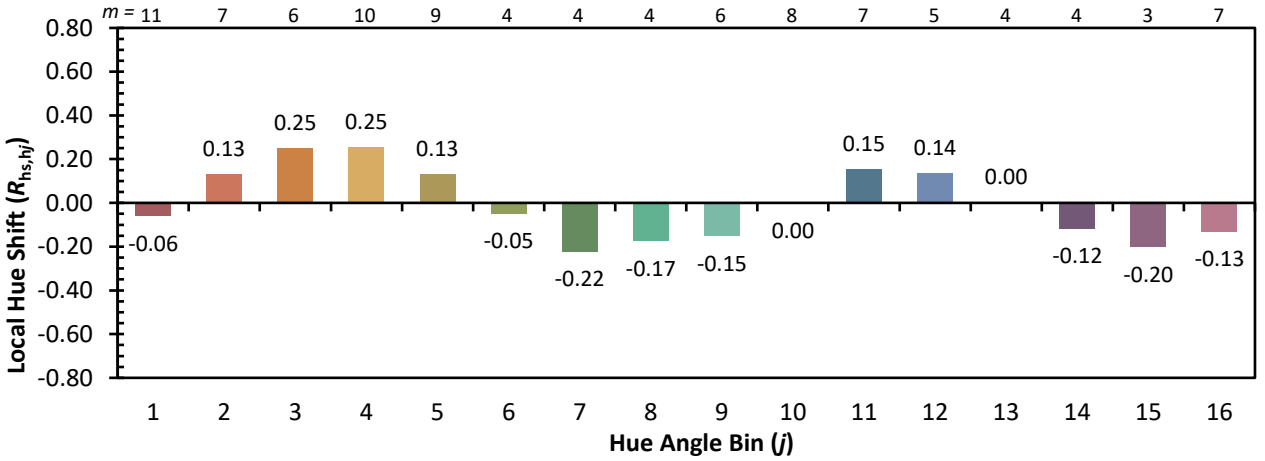


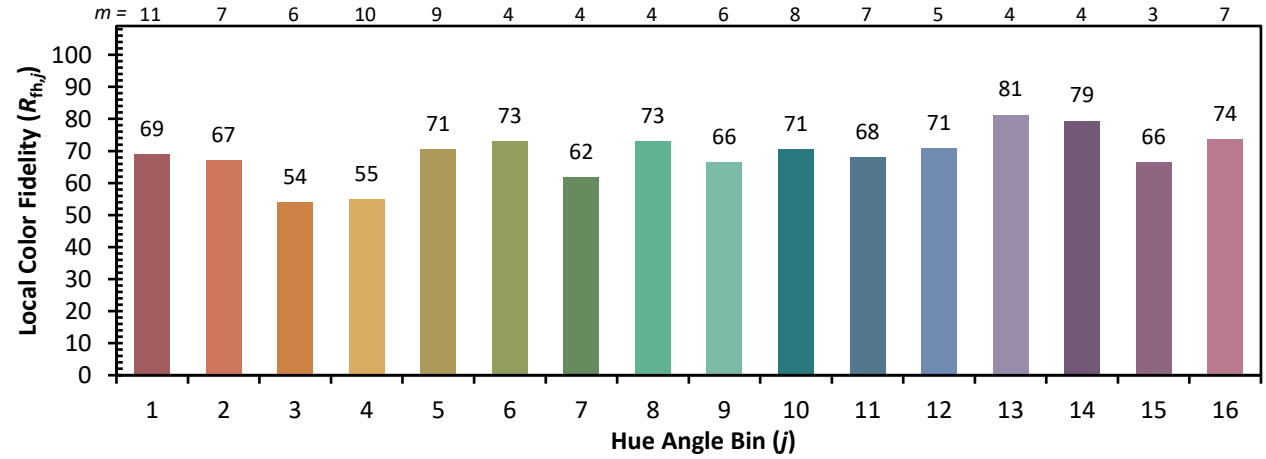
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Color Rendition by Hue-Angle Bin



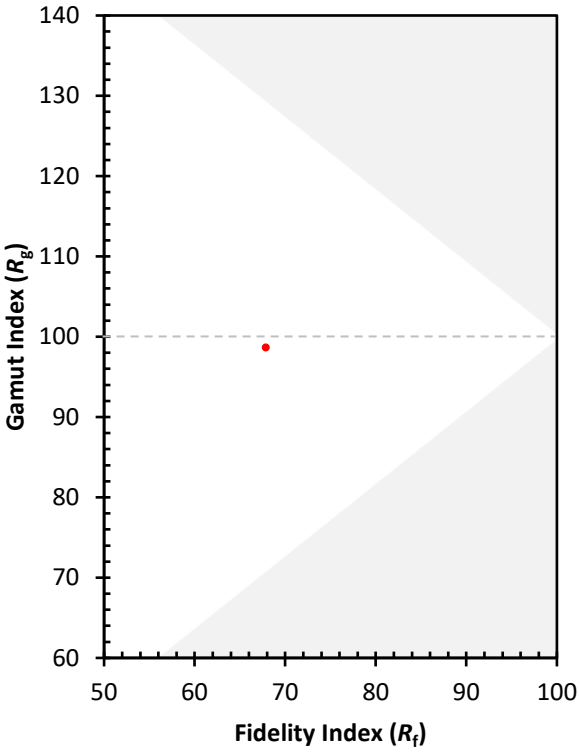


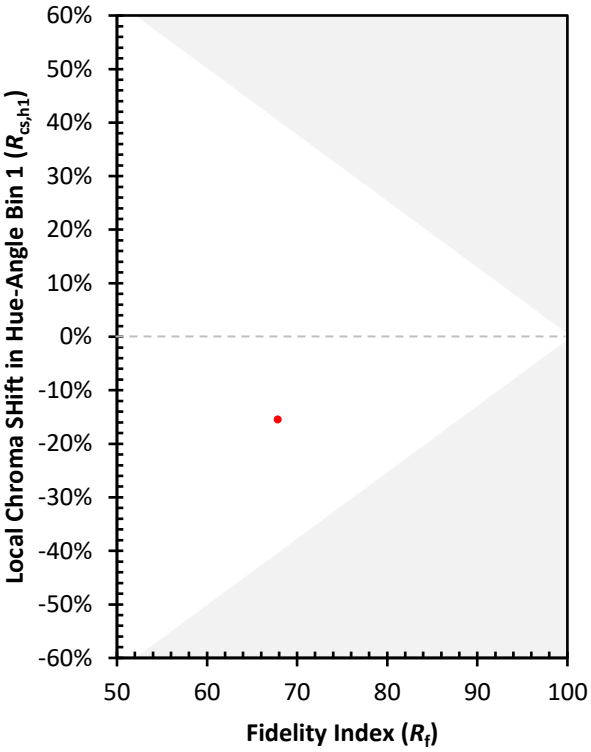


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Measure Comparisons





(END OF REPORT)