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: P1501894

Luminaire Tested: GSS-SB5B-827-U-T2LG-HSS

Issue Date: 07/20/2026

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Peachtree City, GA 30269

Scaled Data Report

Test Information

Test Method:	LM-79-2024
Report Number:	P1501894
Test Lab:	INNOVATION CENTER(G1)
Issue Date:	7/20/2026
Manufacturer:	COOPER LIGHTING SOLUTIONS
Product Line:	McGRAW-EDISON
Catalog Number:	GSS-SB5B-827-U-T2LG-HSS
Description:	GALLEON II SLIM SITE HIGH DENSITY LED ARRAYS 5SQUARE 184W 80CRI 2700K FIXTURE w/ TYPE II LOW GLARE DISTRIBUTION FIXTURE W/ HOUSE SIDE SHIELD
Light Source:	(130) 2700K CCT, 80 CRI LEDS
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	19334.4 lumens
Efficiency:	N/A
Efficacy:	105.1 lumens/watt
Luminous Opening:	Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification:	Type II - Short
BUG Rating:	B2 - U0 - G2

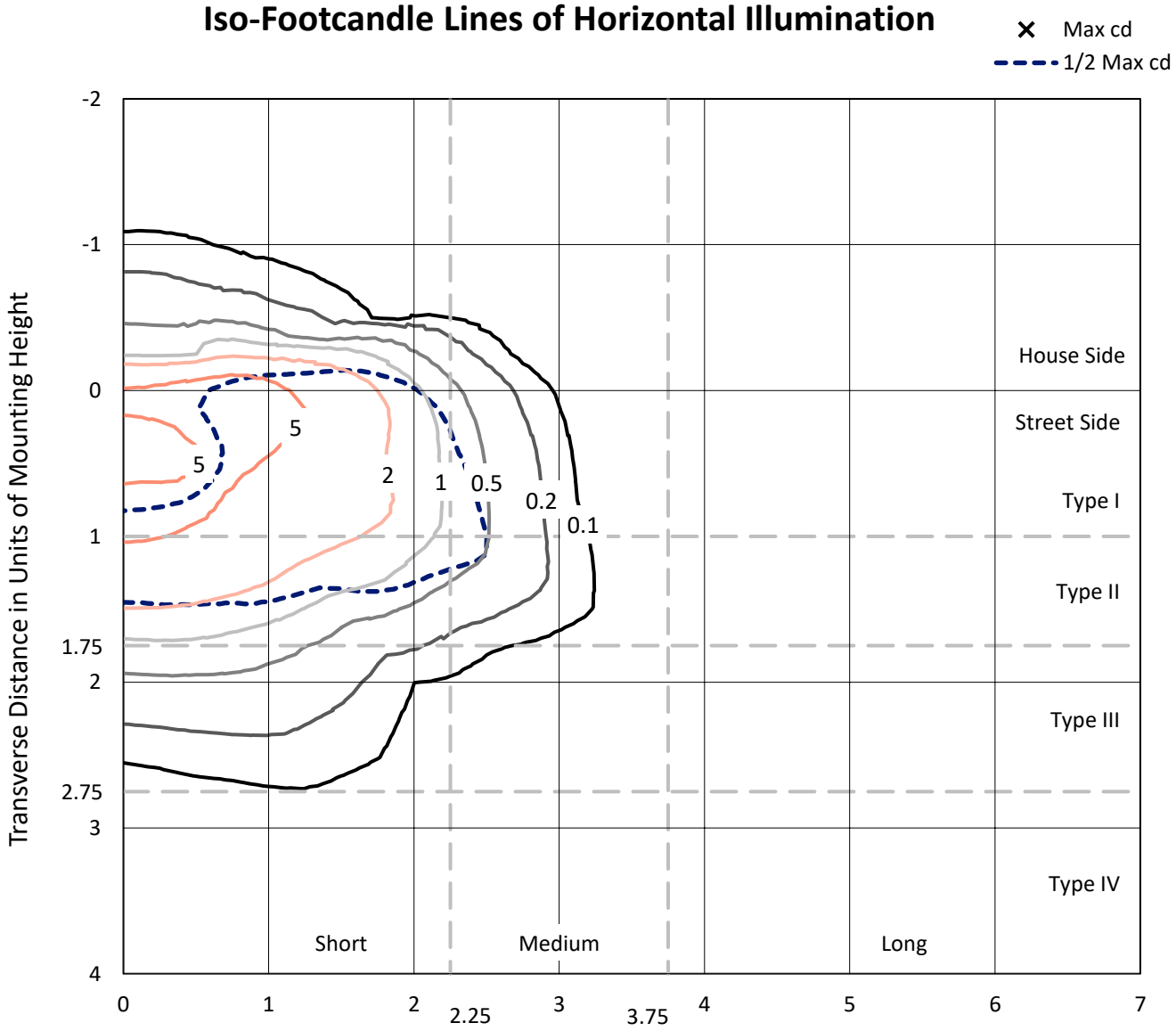
Input Watts (W):	184
Input Voltage (V):	120
Input Current (Ain):	NR
Voltage Rise (V):	NR
Power Factor:	0.98
Total Harmonic Distortion (THDi):	11.1%
Frequency (hertz):	60
Stabilization Time:	NR
Operation Time:	NR
Ambient Temperature (°C):	NR
Test Distance:	28.75 FT

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Iso-Footcandle Lines of Horizontal Illumination



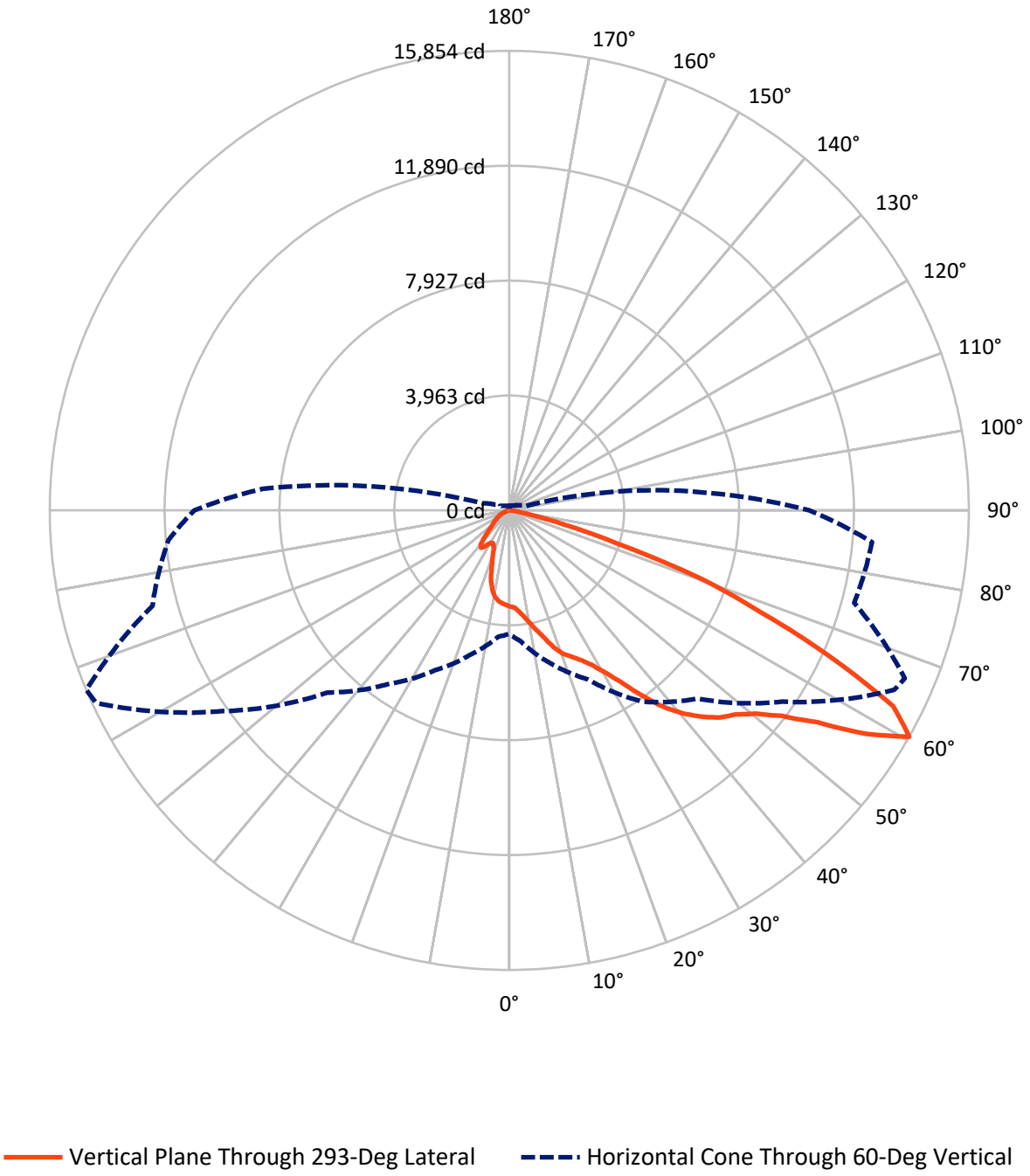
Based on 25 foot mounting height. Maximum calculated value = 8.8 fc
Type II - Short - N/A

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Luminous Intensity Polar Plot



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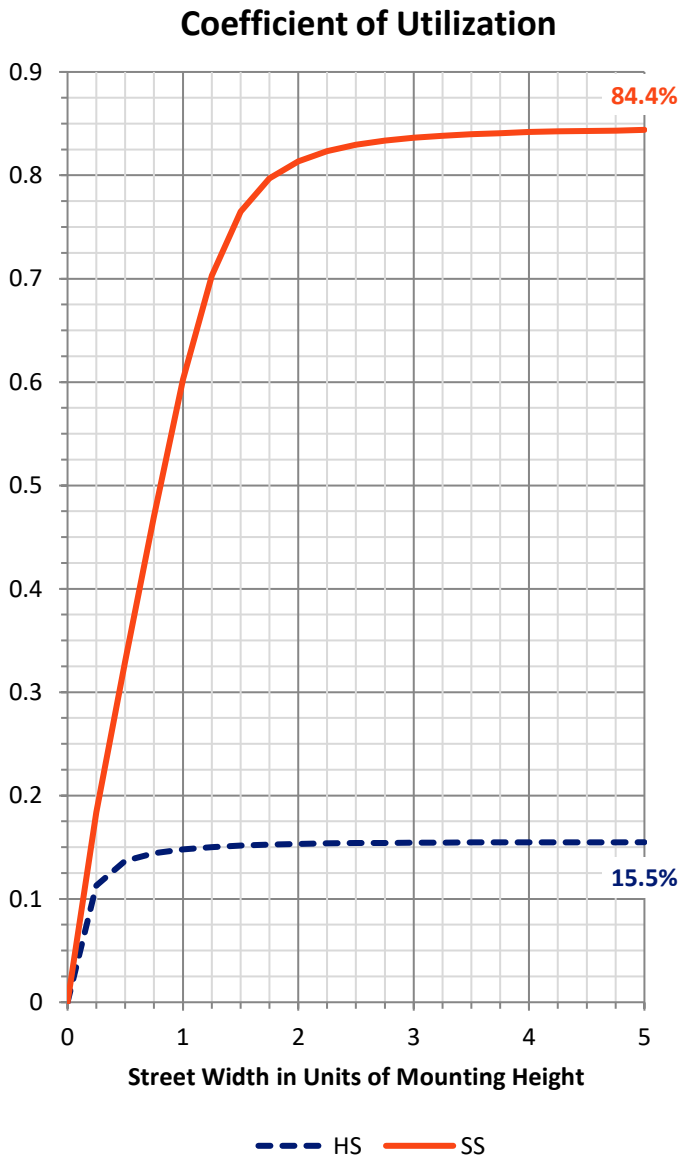
REPORT NUMBER: P1501894
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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3016.6	0.0	3016.6
	% Fixture	15.6	0.0	15.6
Street Side	Lumens	16317.7	0.0	16317.7
	% Fixture	84.4	0.0	84.4
Total	Lumens	19334.4	0.0	19334.4
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	300.0	1.6
10°-20°	755.7	3.9
20°-30°	1410.7	7.3
30°-40°	2797.6	14.5
40°-50°	4460.4	23.1
50°-60°	5329.1	27.6
60°-70°	3493.5	18.1
70°-80°	731.9	3.8
80°-90°	55.4	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°	19334.4	100.0
0°-180°	19334.4	100.0



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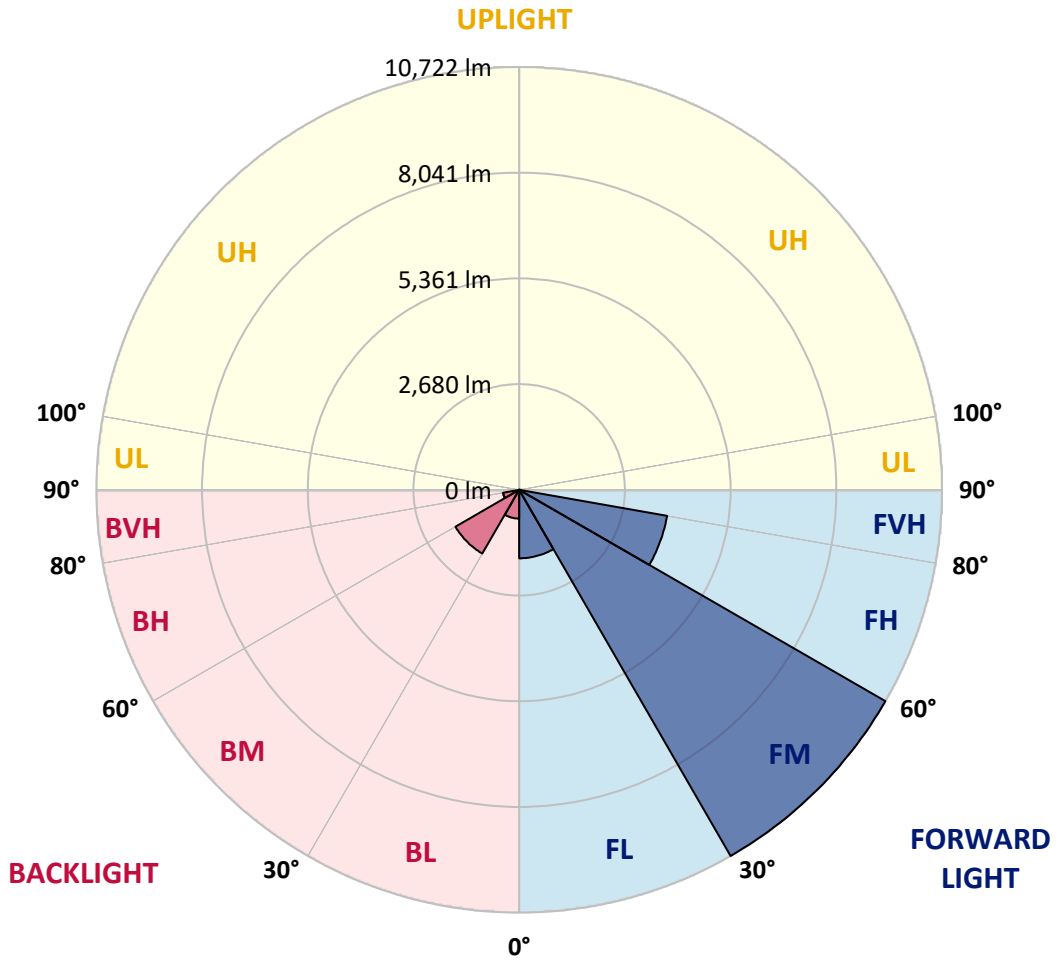
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	1736.6	9.0			
FM	(30°-60°)	10721.6	55.5			
FH	(60°-80°)	3808.8	19.7			G2/5000
FVH	(80°-90°)	50.7	0.3			G1/100
BL	(0°-30°)	729.8	3.8	B2/1000		
BM	(30°-60°)	1865.5	9.6	B2/2500		
BH	(60°-80°)	416.7	2.2	B1/500		G1/500
BVH	(80°-90°)	4.6	0.0			G0/10
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G2
Type II Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	67°	75°	85°
0°	3313.7	3313.7	3313.7	3313.7	3313.7	3313.7	3313.7	3313.7	3313.7	3313.7	3313.7
2.5°	3481.6	3470.7	3454.5	3459.9	3454.5	3432.8	3400.3	3373.3	3394.9	3362.4	3340.8
5°	3584.4	3584.4	3573.6	3573.6	3579.0	3568.2	3546.5	3508.6	3514.1	3487.0	3416.6
7.5°	3584.4	3568.2	3595.3	3622.3	3671.1	3698.1	3709.0	3687.3	3698.1	3644.0	3552.0
10°	3373.3	3362.4	3432.8	3535.7	3676.5	3801.0	3882.2	3887.7	3903.9	3849.8	3741.5
12.5°	2923.9	2902.2	3043.0	3237.9	3524.9	3811.9	4039.3	4125.9	4163.8	4142.1	3990.5
15°	2506.9	2534.0	2631.5	2842.6	3227.1	3665.7	4125.9	4412.9	4467.0	4494.1	4315.4
17.5°	2463.6	2469.0	2501.5	2604.4	2896.8	3427.4	4136.7	4710.7	4786.5	4905.6	4661.9
20°	2582.7	2571.9	2604.4	2636.9	2777.7	3216.3	4033.9	4997.6	5143.8	5398.3	5133.0
22.5°	2804.7	2804.7	2821.0	2842.6	2913.0	3200.0	3990.5	5263.0	5512.0	6031.8	5723.2
25°	3178.4	3135.0	3145.9	3118.8	3178.4	3394.9	4088.0	5474.1	5815.2	6735.7	6427.1
27.5°	3757.7	3774.0	3676.5	3530.3	3562.8	3746.9	4326.2	5712.4	6129.3	7466.7	7141.8
30°	4559.1	4532.0	4472.4	4185.5	4055.5	4217.9	4764.8	6102.2	6551.6	8392.6	8094.8
32.5°	5187.2	5263.0	5160.1	4959.7	4759.4	4808.1	5382.1	6730.3	7066.0	9242.7	9080.2
35°	5945.2	5945.2	5966.9	5685.3	5549.9	5539.1	6156.4	7412.5	7748.2	10011.5	10125.2
37.5°	6968.5	6898.2	6779.0	6465.0	6362.1	6497.5	6881.9	8116.4	8479.2	10634.2	10937.4
40°	7829.5	7878.2	7862.0	7407.1	7206.8	7353.0	7694.1	8717.5	8999.0	11034.9	11592.6
42.5°	8674.1	8701.2	8630.8	8414.2	8121.9	8132.7	8414.2	9172.3	9459.2	11419.3	12209.8
45°	9307.6	9302.2	9253.5	9199.3	9026.1	8847.4	8896.1	9675.8	9924.9	11543.9	12545.6
47.5°	9508.0	9551.3	9594.6	9746.2	9865.3	9583.8	9334.7	9946.6	10174.0	11522.2	12670.1
50°	9323.9	9415.9	9627.1	9854.5	10260.6	10238.9	9702.9	10238.9	10460.9	11641.3	12816.3
52.5°	8912.4	9004.4	9286.0	9697.5	10309.3	10612.6	10385.1	10731.7	10991.6	11944.5	13119.5
55°	7954.0	7991.9	8571.3	9112.7	10065.7	10450.1	11116.1	11565.5	11782.1	12312.7	13520.2
57.5°	6475.8	6567.9	7136.4	8019.0	9383.4	10022.4	11533.0	12989.5	12984.1	12664.7	13606.8
60°	*4261.3*	*4532.0*	*5457.9*	*6432.5*	*8062.3*	*9183.1*	*11506.0*	*14657.2*	*14825.1*	*12318.1*	*12561.8*
62.5°	3254.2	3367.9	3893.1	4705.3	5966.9	7612.9	11327.3	15155.4	15285.3	11386.8	10997.0
65°	2447.4	2588.2	3091.7	3817.3	4212.5	5160.1	10157.7	13173.6	13352.3	10163.1	8549.6
67.5°	1499.8	1613.5	2284.9	3135.0	3189.2	3205.4	6854.8	9979.0	10044.0	8197.7	5755.7
70°	1001.7	1115.4	1581.1	2409.5	2539.4	1846.4	3763.1	7553.3	7547.9	5609.5	3497.8
72.5°	579.4	633.5	1001.7	1776.0	1998.0	1175.0	1878.9	4802.7	4591.6	2636.9	1635.2
75°	330.3	368.2	552.3	1142.5	1402.4	747.2	741.8	2571.9	2274.1	1359.1	893.4
77.5°	200.3	216.6	303.2	747.2	844.7	503.6	411.5	1196.6	1153.3	795.9	471.1
80°	97.5	113.7	184.1	438.6	541.5	270.7	249.1	471.1	503.6	438.6	249.1
82.5°	32.5	43.3	102.9	167.9	351.9	108.3	102.9	259.9	276.1	259.9	119.1
85°	16.2	21.7	48.7	54.1	135.4	54.1	37.9	113.7	140.8	86.6	48.7
87.5°	0.0	5.4	5.4	5.4	5.4	5.4	5.4	10.8	10.8	10.8	10.8
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°	3313.7	3313.7	3313.7	3313.7	3313.7	3313.7	3313.7	3313.7	3313.7	3313.7	3313.7
2.5°	3324.5	3313.7	3292.1	3254.2	3248.7	3221.7	3178.4	3151.3	3129.6	3145.9	3151.3
5°	3384.1	3357.0	3292.1	3189.2	3080.9	2972.6	2869.7	2750.6	2669.4	2658.6	2636.9
7.5°	3492.4	3438.3	3297.5	3097.1	2821.0	2561.1	2257.9	1965.5	1819.3	1797.6	1748.9
10°	3665.7	3573.6	3340.8	2934.7	2404.1	1862.6	1402.4	1088.3	909.6	877.2	888.0
12.5°	3871.4	3741.5	3346.2	2658.6	1830.1	1153.3	795.9	676.8	638.9	622.7	622.7
15°	4136.7	3947.2	3340.8	2301.2	1234.5	741.8	638.9	590.2	573.9	563.1	563.1
17.5°	4472.4	4223.4	3302.9	1765.1	833.8	644.3	584.8	546.9	525.2	519.8	519.8
20°	4867.7	4532.0	3216.3	1315.7	698.5	601.0	552.3	503.6	487.3	476.5	476.5
22.5°	5371.3	4905.6	3048.4	1023.4	660.6	573.9	519.8	465.7	449.4	438.6	438.6
25°	5956.0	5382.1	2826.4	920.5	655.2	552.3	487.3	433.2	416.9	411.5	406.1
27.5°	6649.1	5891.0	2620.7	925.9	666.0	536.0	454.8	406.1	389.8	373.6	379.0
30°	7466.7	6416.3	2452.8	990.9	676.8	519.8	433.2	389.8	373.6	351.9	351.9
32.5°	8273.5	7033.5	2436.6	1110.0	714.7	509.0	411.5	368.2	351.9	335.7	335.7
35°	9101.9	7596.6	2528.6	1267.0	790.5	492.7	384.4	346.5	330.3	319.5	314.0
37.5°	9892.4	8046.0	2615.2	1364.5	747.2	422.3	351.9	319.5	303.2	281.6	281.6
40°	10417.6	8289.7	2631.5	1288.7	617.3	379.0	319.5	287.0	265.3	254.5	249.1
42.5°	10802.1	8446.7	2447.4	1045.0	536.0	346.5	292.4	259.9	243.7	232.8	232.8
45°	10959.1	8392.6	2133.3	795.9	492.7	319.5	265.3	238.2	227.4	216.6	216.6
47.5°	10937.4	8143.5	1813.9	638.9	449.4	292.4	249.1	227.4	216.6	205.8	200.3
50°	10899.5	7910.7	1489.0	568.5	400.7	276.1	232.8	216.6	200.3	189.5	184.1
52.5°	11148.6	7834.9	1234.5	519.8	373.6	265.3	227.4	205.8	189.5	178.7	178.7
55°	11397.7	7867.4	969.2	487.3	346.5	259.9	222.0	200.3	184.1	167.9	167.9
57.5°	11381.4	7726.6	736.4	454.8	324.9	254.5	216.6	194.9	167.9	157.0	157.0
60°	*10347.2*	*6892.7*	*573.9*	*416.9*	*297.8*	*238.2*	*200.3*	*184.1*	*157.0*	*140.8*	*140.8*
62.5°	8749.9	5420.0	471.1	368.2	265.3	216.6	184.1	167.9	140.8	113.7	113.7
65°	6465.0	3909.3	379.0	319.5	243.7	189.5	167.9	146.2	113.7	92.0	86.6
67.5°	4375.0	2404.1	303.2	265.3	216.6	162.4	140.8	124.5	102.9	75.8	70.4
70°	2593.6	1277.8	222.0	184.1	162.4	119.1	119.1	108.3	86.6	65.0	59.6
72.5°	1234.5	444.0	162.4	135.4	124.5	86.6	92.0	92.0	70.4	48.7	43.3
75°	628.1	216.6	108.3	97.5	81.2	65.0	75.8	70.4	48.7	32.5	32.5
77.5°	357.4	151.6	75.8	65.0	54.1	43.3	48.7	43.3	27.1	16.2	16.2
80°	200.3	108.3	48.7	43.3	32.5	27.1	27.1	21.7	16.2	5.4	5.4
82.5°	75.8	65.0	32.5	21.7	16.2	16.2	10.8	10.8	5.4	0.0	0.0
85°	32.5	16.2	16.2	10.8	10.8	5.4	5.4	5.4	0.0	0.0	0.0
87.5°	5.4	5.4	5.4	5.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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CANDELA DISTRIBUTION (continued):

	185°	195°	205°	215°	225°	235°	245°	255°	265°	270°	275°
0°	3313.7	3313.7	3313.7	3313.7	3313.7	3313.7	3313.7	3313.7	3313.7	3313.7	3313.7
2.5°	3108.0	3118.8	3129.6	3172.9	3183.8	3216.3	3243.3	3275.8	3281.2	3324.5	3324.5
5°	2680.2	2674.8	2766.8	2902.2	2988.8	3108.0	3200.0	3297.5	3351.6	3422.0	3454.5
7.5°	1776.0	1911.3	2117.1	2355.3	2664.0	2950.9	3167.5	3357.0	3487.0	3568.2	3600.7
10°	882.6	958.4	1175.0	1564.8	2090.0	2674.8	3135.0	3487.0	3698.1	3790.2	3849.8
12.5°	622.7	638.9	676.8	888.0	1391.5	2220.0	3032.2	3627.8	3920.1	4093.4	4169.2
15°	557.7	568.5	584.8	644.3	860.9	1656.9	2848.1	3784.8	4266.7	4467.0	4564.5
17.5°	514.4	519.8	536.0	584.8	676.8	1126.2	2550.3	3952.6	4683.6	4927.3	5111.4
20°	476.5	476.5	492.7	552.3	628.1	866.3	2122.5	4142.1	5214.2	5566.2	5750.3
22.5°	433.2	444.0	454.8	519.8	611.8	790.5	1721.8	4288.3	5804.4	6232.2	6448.7
25°	400.7	411.5	422.3	487.3	595.6	790.5	1489.0	4380.4	6465.0	6974.0	7271.8
27.5°	373.6	384.4	400.7	465.7	579.4	823.0	1397.0	4407.5	7185.1	7845.7	8246.4
30°	351.9	362.8	379.0	449.4	590.2	860.9	1429.4	4369.6	7916.1	8744.5	9221.0
32.5°	330.3	341.1	357.4	433.2	590.2	909.6	1537.7	4293.8	8625.4	9643.3	10228.1
35°	314.0	319.5	324.9	389.8	536.0	904.2	1673.1	4217.9	9340.1	10531.3	11213.6
37.5°	281.6	287.0	297.8	335.7	427.8	823.0	1700.2	4125.9	9903.2	11278.5	12031.2
40°	249.1	259.9	270.7	308.6	357.4	666.0	1581.1	3931.0	10201.0	11852.5	12767.5
42.5°	227.4	232.8	243.7	281.6	330.3	530.6	1326.6	3589.9	10466.4	12242.3	13303.6
45°	211.2	216.6	227.4	254.5	308.6	460.2	1045.0	3172.9	10488.0	12366.9	13563.5
47.5°	194.9	200.3	205.8	232.8	297.8	411.5	801.4	2793.9	10482.6	12529.3	13785.5
50°	184.1	189.5	200.3	222.0	281.6	368.2	660.6	2485.3	10710.0	12881.3	14234.9
52.5°	178.7	178.7	194.9	216.6	265.3	335.7	552.3	2209.1	10829.1	13227.8	14559.8
55°	167.9	173.3	184.1	205.8	249.1	319.5	471.1	1862.6	10883.3	13401.1	14619.3
57.5°	157.0	162.4	178.7	194.9	238.2	303.2	406.1	1391.5	10109.0	12496.8	13623.1
60°	*140.8*	*151.6*	*173.3*	*189.5*	*222.0*	*276.1*	*357.4*	*942.1*	*8527.9*	*10861.6*	*11803.8*
62.5°	113.7	135.4	157.0	167.9	200.3	232.8	303.2	628.1	6811.5	8988.2	10060.3
65°	86.6	113.7	129.9	146.2	167.9	194.9	254.5	427.8	4542.8	6048.1	7255.5
67.5°	75.8	97.5	108.3	119.1	140.8	167.9	205.8	297.8	2756.0	3633.2	4824.4
70°	59.6	81.2	92.0	86.6	108.3	129.9	146.2	200.3	1407.8	1970.9	2745.2
72.5°	43.3	65.0	70.4	70.4	65.0	92.0	108.3	140.8	611.8	958.4	1245.4
75°	32.5	43.3	48.7	43.3	37.9	59.6	75.8	92.0	400.7	573.9	725.6
77.5°	16.2	16.2	27.1	27.1	16.2	32.5	37.9	54.1	227.4	335.7	416.9
80°	5.4	0.0	0.0	5.4	0.0	10.8	16.2	27.1	119.1	178.7	259.9
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.4	59.6	54.1	135.4
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10.8	32.5
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: P1501894
CATALOG NUMBER: GSS-SB5B-827-U-T2LG-HSS

CANDELA DISTRIBUTION (continued):

	285°	293°	295°	305°	315°	325°	335°	345°	355°	360°
0°	3313.7	3313.7	3313.7	3313.7	3313.7	3313.7	3313.7	3313.7	3313.7	3313.7
2.5°	3351.6	3351.6	3373.3	3405.8	3422.0	3432.8	3438.3	3449.1	3492.4	3481.6
5°	3492.4	3503.2	3519.5	3552.0	3589.9	3579.0	3579.0	3579.0	3606.1	3584.4
7.5°	3676.5	3709.0	3714.4	3752.3	3725.2	3671.1	3638.6	3589.9	3584.4	3584.4
10°	3974.3	3963.5	3963.5	3914.7	3817.3	3660.2	3519.5	3422.0	3367.9	3373.3
12.5°	4293.8	4250.4	4255.8	4077.2	3801.0	3454.5	3167.5	2956.4	2940.1	2923.9
15°	4689.0	4575.3	4553.7	4142.1	3557.4	3026.7	2745.2	2577.3	2523.2	2506.9
17.5°	5252.1	4965.2	4862.3	4028.4	3237.9	2761.4	2550.3	2474.5	2469.0	2463.6
20°	5847.7	5279.2	5084.3	3860.6	3129.6	2766.8	2609.8	2588.2	2577.3	2582.7
22.5°	6540.8	5479.5	5230.5	3887.7	3227.1	2945.5	2821.0	2804.7	2793.9	2804.7
25°	7255.5	5712.4	5403.7	4104.2	3519.5	3275.8	3129.6	3097.1	3129.6	3178.4
27.5°	7975.7	6026.4	5744.9	4532.0	3990.5	3725.2	3584.4	3703.6	3752.3	3757.7
30°	8614.6	6465.0	6205.1	5133.0	4526.6	4261.3	4288.3	4439.9	4499.5	4559.1
32.5°	9199.3	7049.8	6849.4	5815.2	5219.6	5062.6	5046.4	5160.1	5225.1	5187.2
35°	9789.5	7813.2	7618.3	6557.0	6069.7	5939.8	5804.4	6026.4	6004.8	5945.2
37.5°	10347.2	8582.1	8403.4	7353.0	6849.4	6622.0	6600.4	6800.7	6979.4	6968.5
40°	10747.9	9204.8	8988.2	8143.5	7667.0	7472.1	7585.8	7932.3	7889.0	7829.5
42.5°	11116.1	9735.4	9540.5	8836.6	8338.4	8425.1	8527.9	8760.8	8733.7	8674.1
45°	11289.4	10190.2	10022.4	9361.8	9118.1	9394.3	9388.9	9475.5	9329.3	9307.6
47.5°	11533.0	10515.1	10341.8	9832.9	10049.4	10163.1	9843.7	9751.6	9616.3	9508.0
50°	11982.4	11018.6	10845.4	10547.6	10731.7	10379.7	9989.9	9789.5	9513.4	9323.9
52.5°	12507.7	11782.1	11630.5	11511.4	10997.0	10271.4	9773.3	9410.5	9074.8	8912.4
55°	13168.2	12908.3	12800.0	12144.9	10758.7	9827.4	9242.7	8565.8	8105.6	7954.0
57.5°	13384.8	14559.8	14521.9	12247.8	10092.8	9020.7	7964.8	7049.8	6573.3	6475.8
60°	12745.9	15853.9	15718.5	12074.5	8885.3	7320.5	6086.0	5149.3	4375.0	4261.3
62.5°	11928.3	14863.0	14814.3	11202.7	6768.2	5246.7	4548.2	3671.1	3340.8	3254.2
65°	10217.3	12161.1	12182.8	8988.2	4282.9	3768.5	3736.1	2918.5	2512.4	2447.4
67.5°	7867.4	9329.3	9177.7	5652.8	2496.1	3015.9	2983.4	2133.3	1543.2	1499.8
70°	4597.0	6946.9	6703.2	2940.1	1651.4	2517.8	2295.8	1499.8	1050.4	1001.7
72.5°	2030.5	3822.7	4104.2	1294.1	1164.1	2003.4	1656.9	920.5	590.2	579.4
75°	1126.2	1895.1	1981.7	563.1	817.6	1424.0	1001.7	514.4	335.7	330.3
77.5°	676.8	839.3	817.6	362.8	611.8	909.6	606.4	292.4	211.2	200.3
80°	379.0	384.4	324.9	265.3	362.8	509.0	341.1	184.1	97.5	97.5
82.5°	232.8	211.2	167.9	81.2	97.5	308.6	124.5	102.9	32.5	32.5
85°	97.5	65.0	43.3	16.2	37.9	81.2	43.3	48.7	16.2	16.2
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: SP1-2407-184-8

Test Date: 10/10/2024

Luminaire Tested: GSS-SB1A-827-U-5WQ

Data in this report applies to families of products including GSS-SB1A-827-U-5WQ

Report Generated By FNC07603 / LDUCLS01DT446
Version: v7.04

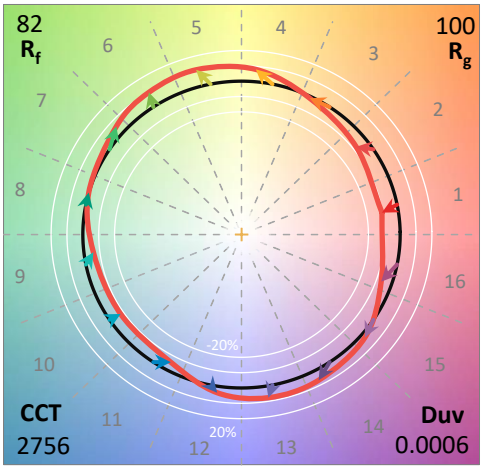
Test Information

Test Method:	LM-79-2019
Report Number:	SP1-2407-184-8
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-827-U-5WQ**
Description:	GALLEON II SITE SLIM 1SQ 350MA 5WQ HIGH DENSITY LIGHTSQUARE WITH 80 CRI 2700K CCT 26 LEDS

Spectral Parameters

CCT (K):	2756
CIE u':	0.2599
CIE v':	0.5271
Duv:	0.0006
CIE x:	0.4563
CIE y:	0.4112
CIE z:	0.1325
Peak Wavelength (nm):	609
Dominant Wavelength (nm):	583
Purity:	60.41121
Rf:	82.2
Rg:	99.9

CRI (Ra):	82.9
R1:	81.6
R2:	88.8
R3:	96.0
R4:	83.4
R5:	81.4
R6:	87.0
R7:	84.0
R8:	60.8
R9:	10.8
R10:	74.8
R11:	84.3
R12:	72.1
R13:	82.9
R14:	97.3
R15:	73.7



Test Conditions

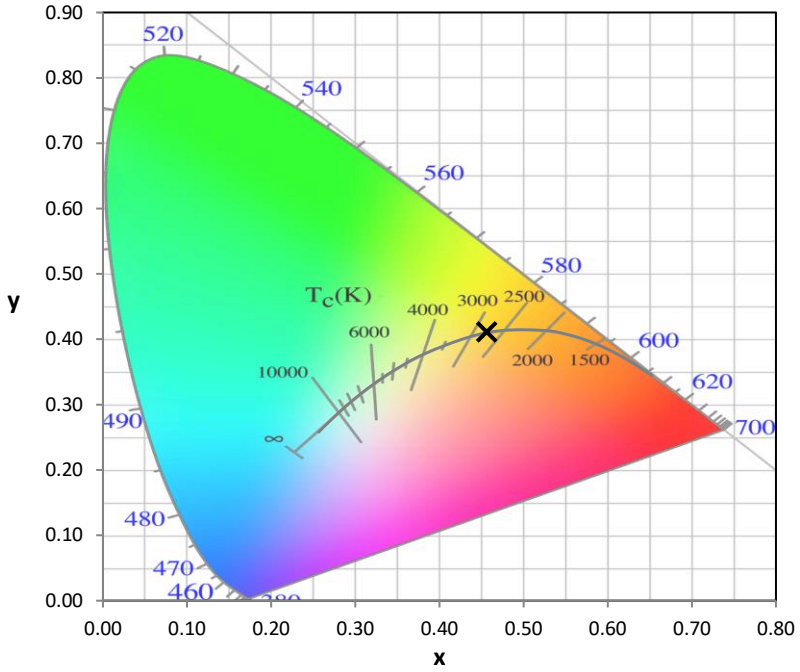
Stabilization Time:	29M
Operation Time:	1H 29M
Sphere Temperature (°C):	25.2

REPORT NUMBER: SP1-2407-184-8

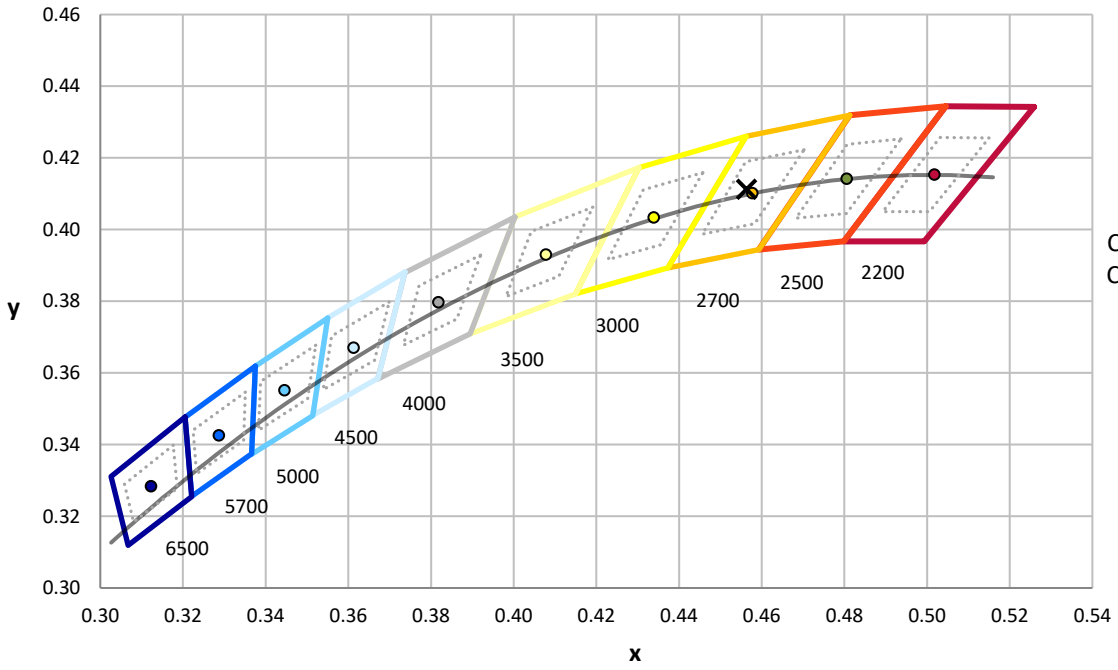
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

REPORT NUMBER: SP1-2407-184-8

CIE 1931 Chromaticity Diagram



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

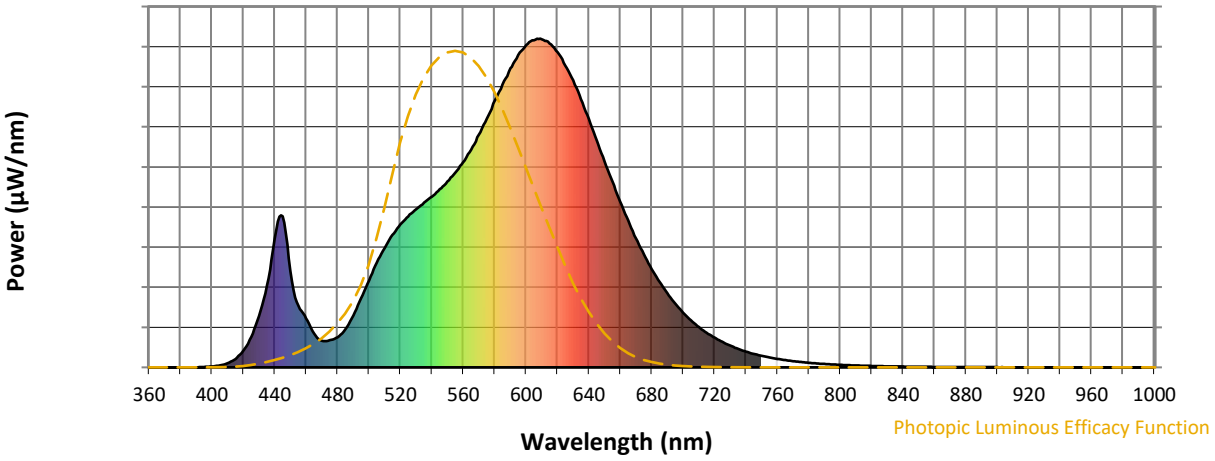


CCT = 2756K
CIE x = 0.4563
CIE y = 0.4112
Duv = 0.0006

Point lies inside the ANSI 2700K 4-step quadrangle

REPORT NUMBER: SP1-2407-184-8

Photopic Flux vs. Wavelength

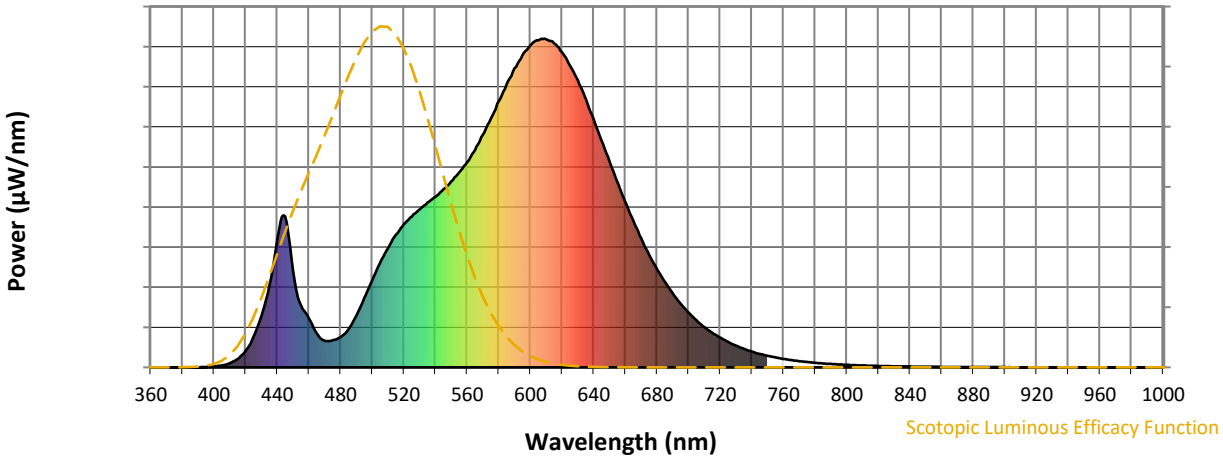


Photopic Lumens: NR

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	158	NR	620	959	NR	750	35	NR	880	1	NR
365	0	NR	495	211	NR	625	918	NR	755	30	NR	885	1	NR
370	0	NR	500	264	NR	630	873	NR	760	26	NR	890	1	NR
375	0	NR	505	318	NR	635	816	NR	765	22	NR	895	1	NR
380	0	NR	510	363	NR	640	755	NR	770	19	NR	900	1	NR
385	0	NR	515	403	NR	645	689	NR	775	16	NR	905	1	NR
390	0	NR	520	435	NR	650	626	NR	780	14	NR	910	0	NR
395	1	NR	525	459	NR	655	564	NR	785	12	NR	915	0	NR
400	3	NR	530	481	NR	660	503	NR	790	10	NR	920	0	NR
405	6	NR	535	501	NR	665	447	NR	795	9	NR	925	0	NR
410	13	NR	540	519	NR	670	392	NR	800	8	NR	930	0	NR
415	26	NR	545	542	NR	675	343	NR	805	7	NR	935	0	NR
420	51	NR	550	565	NR	680	299	NR	810	6	NR	940	0	NR
425	93	NR	555	593	NR	685	260	NR	815	5	NR	945	0	NR
430	156	NR	560	624	NR	690	225	NR	820	4	NR	950	0	NR
435	250	NR	565	662	NR	695	194	NR	825	4	NR	955	0	NR
440	391	NR	570	707	NR	700	166	NR	830	3	NR	960	0	NR
445	460	NR	575	756	NR	705	143	NR	835	3	NR	965	0	NR
450	293	NR	580	810	NR	710	122	NR	840	2	NR	970	0	NR
455	188	NR	585	860	NR	715	105	NR	845	2	NR	975	0	NR
460	149	NR	590	910	NR	720	90	NR	850	2	NR	980	0	NR
465	103	NR	595	950	NR	725	77	NR	855	2	NR	985	0	NR
470	80	NR	600	980	NR	730	66	NR	860	1	NR	990	0	NR
475	82	NR	605	995	NR	735	56	NR	865	1	NR	995	0	NR
480	92	NR	610	998	NR	740	48	NR	870	1	NR	1000	0	NR
485	116	NR	615	985	NR	745	41	NR	875	1	NR			

REPORT NUMBER: SP1-2407-184-8

Scotopic Flux vs. Wavelength

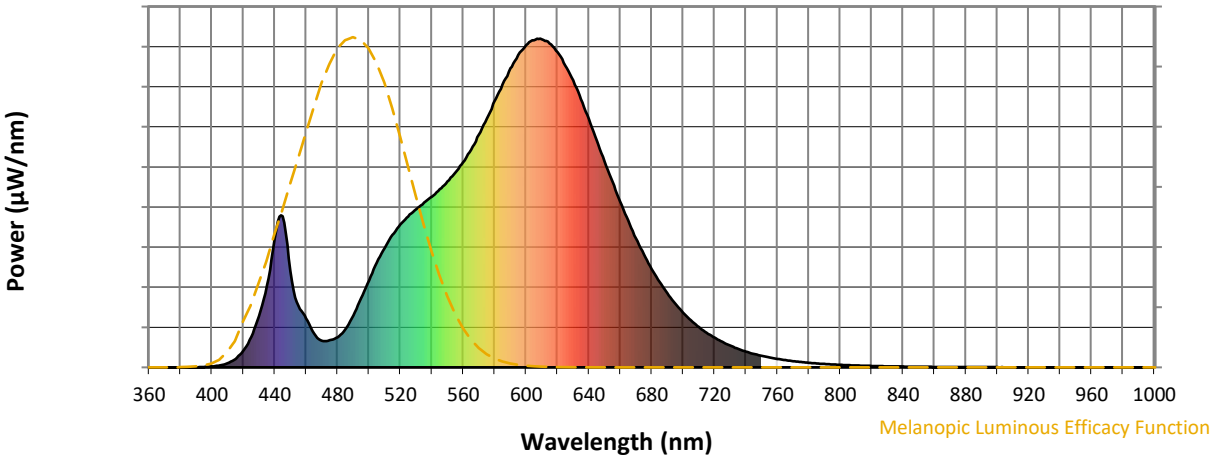


Scotopic Lumens: NR **S/P: 1.2**

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	158	NR	620	959	NR	750	35	NR	880	1	NR
365	0	NR	495	211	NR	625	918	NR	755	30	NR	885	1	NR
370	0	NR	500	264	NR	630	873	NR	760	26	NR	890	1	NR
375	0	NR	505	318	NR	635	816	NR	765	22	NR	895	1	NR
380	0	NR	510	363	NR	640	755	NR	770	19	NR	900	1	NR
385	0	NR	515	403	NR	645	689	NR	775	16	NR	905	1	NR
390	0	NR	520	435	NR	650	626	NR	780	14	NR	910	0	NR
395	1	NR	525	459	NR	655	564	NR	785	12	NR	915	0	NR
400	3	NR	530	481	NR	660	503	NR	790	10	NR	920	0	NR
405	6	NR	535	501	NR	665	447	NR	795	9	NR	925	0	NR
410	13	NR	540	519	NR	670	392	NR	800	8	NR	930	0	NR
415	26	NR	545	542	NR	675	343	NR	805	7	NR	935	0	NR
420	51	NR	550	565	NR	680	299	NR	810	6	NR	940	0	NR
425	93	NR	555	593	NR	685	260	NR	815	5	NR	945	0	NR
430	156	NR	560	624	NR	690	225	NR	820	4	NR	950	0	NR
435	250	NR	565	662	NR	695	194	NR	825	4	NR	955	0	NR
440	391	NR	570	707	NR	700	166	NR	830	3	NR	960	0	NR
445	460	NR	575	756	NR	705	143	NR	835	3	NR	965	0	NR
450	293	NR	580	810	NR	710	122	NR	840	2	NR	970	0	NR
455	188	NR	585	860	NR	715	105	NR	845	2	NR	975	0	NR
460	149	NR	590	910	NR	720	90	NR	850	2	NR	980	0	NR
465	103	NR	595	950	NR	725	77	NR	855	2	NR	985	0	NR
470	80	NR	600	980	NR	730	66	NR	860	1	NR	990	0	NR
475	82	NR	605	995	NR	735	56	NR	865	1	NR	995	0	NR
480	92	NR	610	998	NR	740	48	NR	870	1	NR	1000	0	NR
485	116	NR	615	985	NR	745	41	NR	875	1	NR			

REPORT NUMBER: SP1-2407-184-8

Melanopic Flux vs. Wavelength



Melanopic Lumens: NR **M/P: 2.16**

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	158	NR	620	959	NR	750	35	NR	880	1	NR
365	0	NR	495	211	NR	625	918	NR	755	30	NR	885	1	NR
370	0	NR	500	264	NR	630	873	NR	760	26	NR	890	1	NR
375	0	NR	505	318	NR	635	816	NR	765	22	NR	895	1	NR
380	0	NR	510	363	NR	640	755	NR	770	19	NR	900	1	NR
385	0	NR	515	403	NR	645	689	NR	775	16	NR	905	1	NR
390	0	NR	520	435	NR	650	626	NR	780	14	NR	910	0	NR
395	1	NR	525	459	NR	655	564	NR	785	12	NR	915	0	NR
400	3	NR	530	481	NR	660	503	NR	790	10	NR	920	0	NR
405	6	NR	535	501	NR	665	447	NR	795	9	NR	925	0	NR
410	13	NR	540	519	NR	670	392	NR	800	8	NR	930	0	NR
415	26	NR	545	542	NR	675	343	NR	805	7	NR	935	0	NR
420	51	NR	550	565	NR	680	299	NR	810	6	NR	940	0	NR
425	93	NR	555	593	NR	685	260	NR	815	5	NR	945	0	NR
430	156	NR	560	624	NR	690	225	NR	820	4	NR	950	0	NR
435	250	NR	565	662	NR	695	194	NR	825	4	NR	955	0	NR
440	391	NR	570	707	NR	700	166	NR	830	3	NR	960	0	NR
445	460	NR	575	756	NR	705	143	NR	835	3	NR	965	0	NR
450	293	NR	580	810	NR	710	122	NR	840	2	NR	970	0	NR
455	188	NR	585	860	NR	715	105	NR	845	2	NR	975	0	NR
460	149	NR	590	910	NR	720	90	NR	850	2	NR	980	0	NR
465	103	NR	595	950	NR	725	77	NR	855	2	NR	985	0	NR
470	80	NR	600	980	NR	730	66	NR	860	1	NR	990	0	NR
475	82	NR	605	995	NR	735	56	NR	865	1	NR	995	0	NR
480	92	NR	610	998	NR	740	48	NR	870	1	NR	1000	0	NR
485	116	NR	615	985	NR	745	41	NR	875	1	NR			

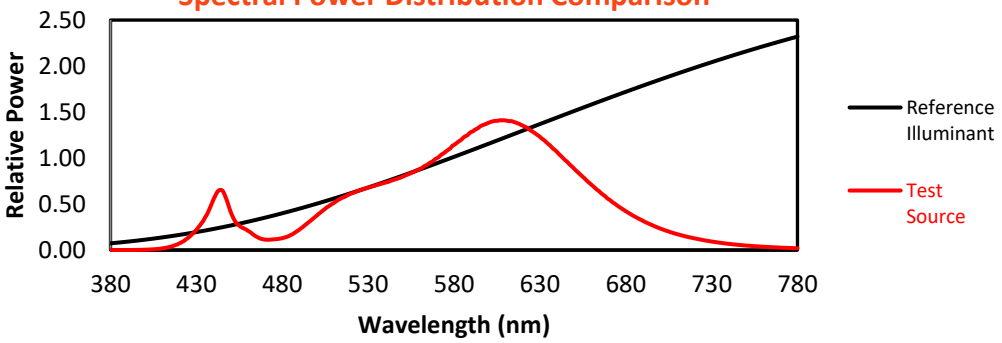
REPORT NUMBER: SP1-2407-184-8

TM-30-18

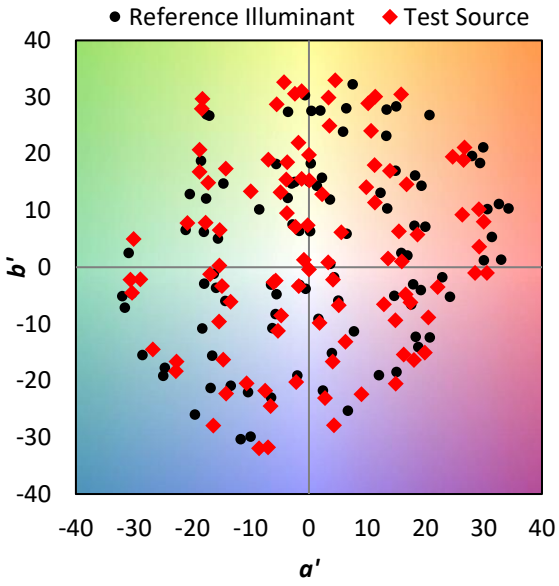
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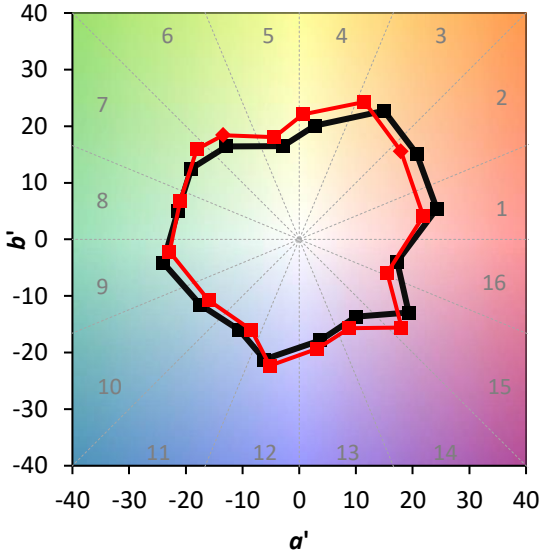
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R_g = 99.9
CIE R_a = 82.9
R_9 = 10.8

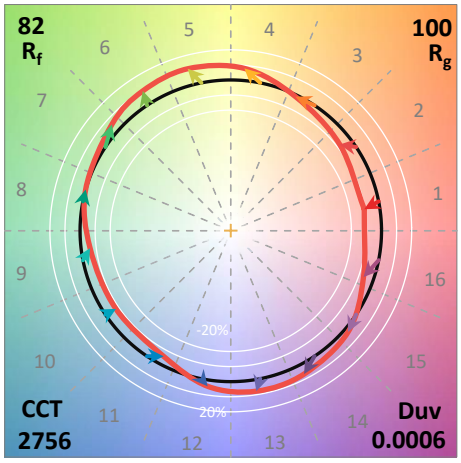
Spectral Power Distribution Comparison

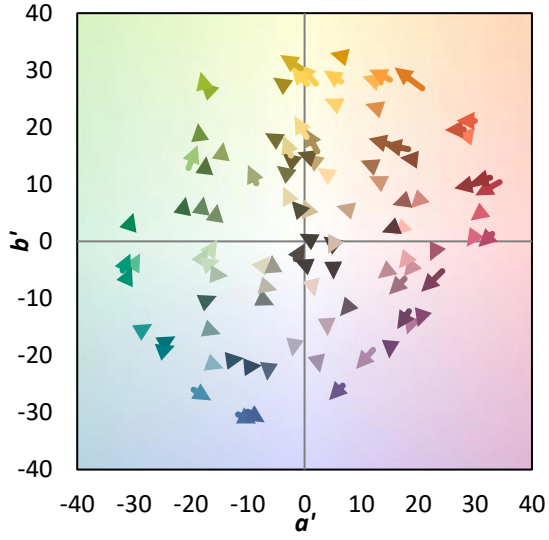


Color Vector Graphics







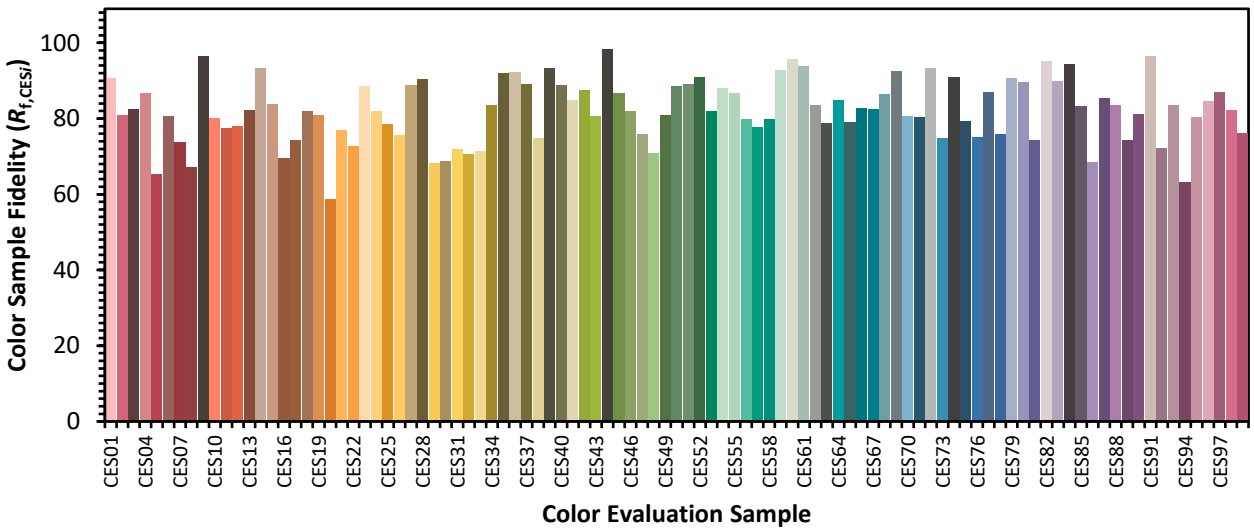


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Individual Sample Fidelity Index ($R_{f,i}$)

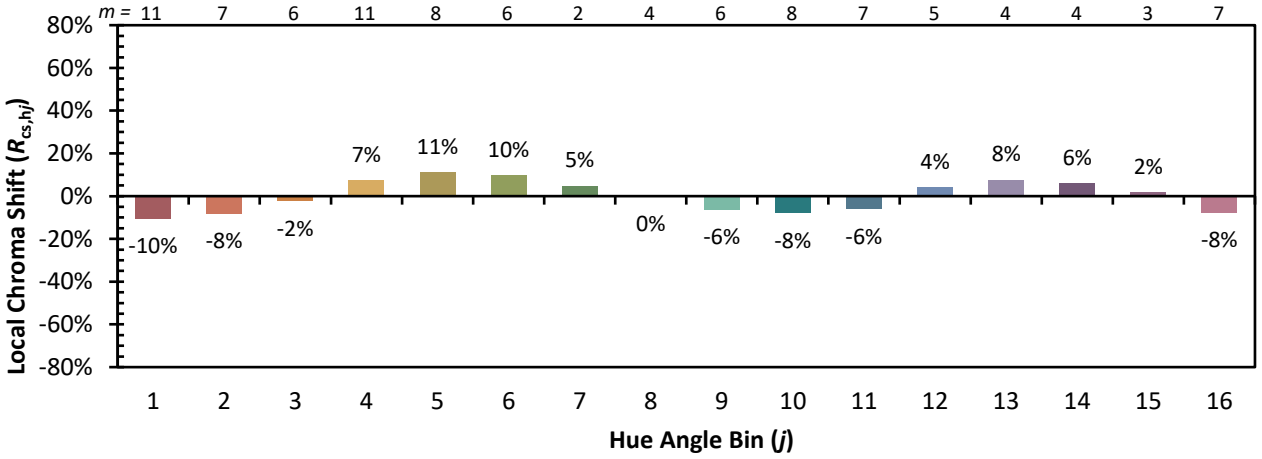
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CES02 = 63	CES27 = 89	CES52 = 91	CES77 = 87
CES03 = 31	CES28 = 90	CES53 = 82	CES78 = 76
CES04 = 71	CES29 = 68	CES54 = 88	CES79 = 91
CES05 = 50	CES30 = 69	CES55 = 87	CES80 = 90
CES06 = 52	CES31 = 72	CES56 = 80	CES81 = 74
CES07 = 43	CES32 = 71	CES57 = 78	CES82 = 95
CES08 = 42	CES33 = 71	CES58 = 80	CES83 = 90
CES09 = 29	CES34 = 84	CES59 = 93	CES84 = 94
CES10 = 77	CES35 = 92	CES60 = 96	CES85 = 83
CES11 = 59	CES36 = 92	CES61 = 94	CES86 = 69
CES12 = 66	CES37 = 89	CES62 = 84	CES87 = 85
CES13 = 44	CES38 = 75	CES63 = 79	CES88 = 84
CES14 = 74	CES39 = 93	CES64 = 85	CES89 = 74
CES15 = 72	CES40 = 89	CES65 = 79	CES90 = 81
CES16 = 48	CES41 = 85	CES66 = 83	CES91 = 96
CES17 = 50	CES42 = 88	CES67 = 82	CES92 = 72
CES18 = 57	CES43 = 81	CES68 = 86	CES93 = 84
CES19 = 73	CES44 = 98	CES69 = 92	CES94 = 63
CES20 = 67	CES45 = 87	CES70 = 81	CES95 = 80
CES21 = 87	CES46 = 82	CES71 = 81	CES96 = 85
CES22 = 79	CES47 = 76	CES72 = 93	CES97 = 87
CES23 = 92	CES48 = 71	CES73 = 75	CES98 = 82
CES24 = 91	CES49 = 81	CES74 = 91	CES99 = 76
CES25 = 72	CES50 = 88	CES75 = 79	

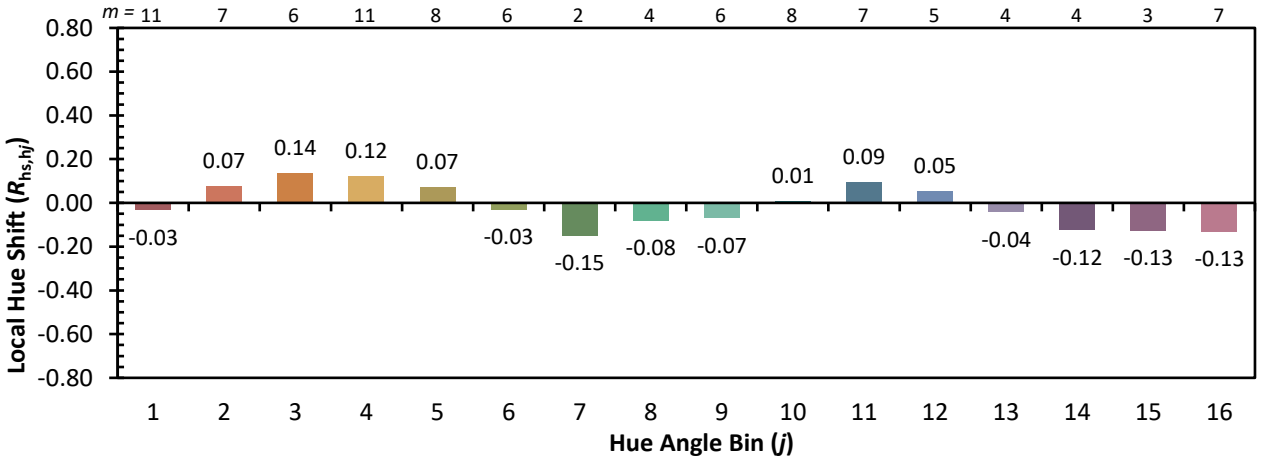


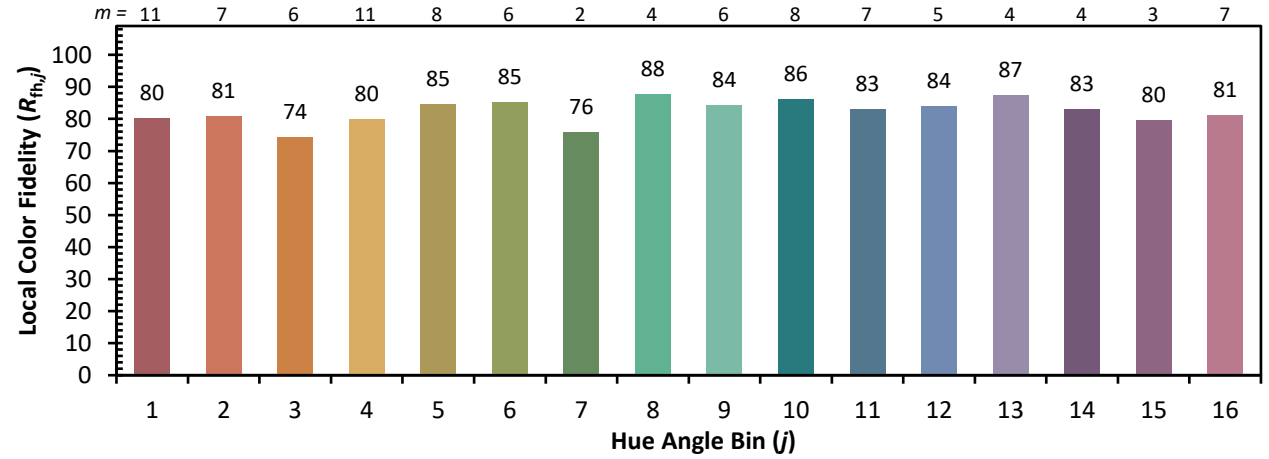
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Color Rendition by Hue-Angle Bin



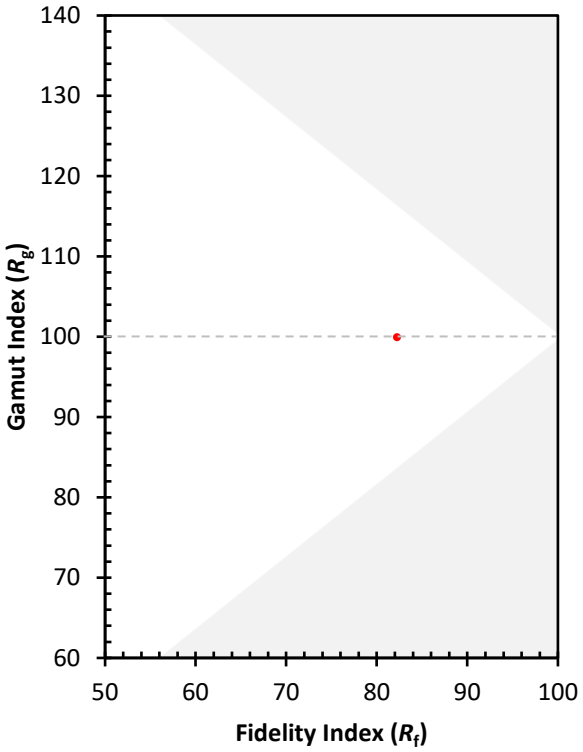


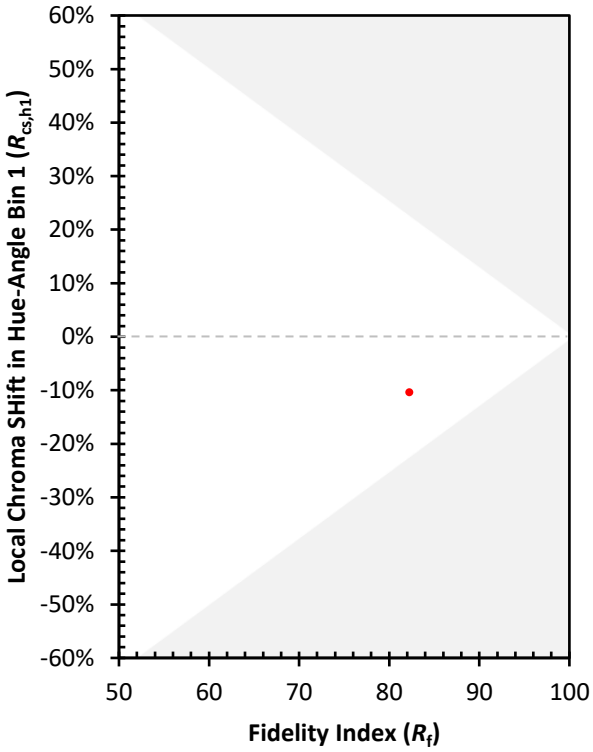


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Measure Comparisons





(END OF REPORT)