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: P1501418

Luminaire Tested: GSS-SB6B-730-U-T2LG

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:	P1501418
Test Lab:	INNOVATION CENTER(G1)
Issue Date:	7/20/2026
Manufacturer:	COOPER LIGHTING SOLUTIONS
Product Line:	McGRAW-EDISON
Catalog Number:	GSS-SB6B-730-U-T2LG
Description:	GALLEON II SLIM SITE HIGH DENSITY LED ARRAYS 6SQUARE 219W 70CRI 3000K FIXTURE w/ TYPE II LOW GLARE DISTRIBUTION FIXTURE
Light Source:	(156) 3000K CCT, 70 CRI LEDS
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	32788.9 lumens
Efficiency:	N/A
Efficacy:	149.7 lumens/watt
Luminous Opening:	Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification:	Type II - Short
BUG Rating:	B3 - U0 - G3

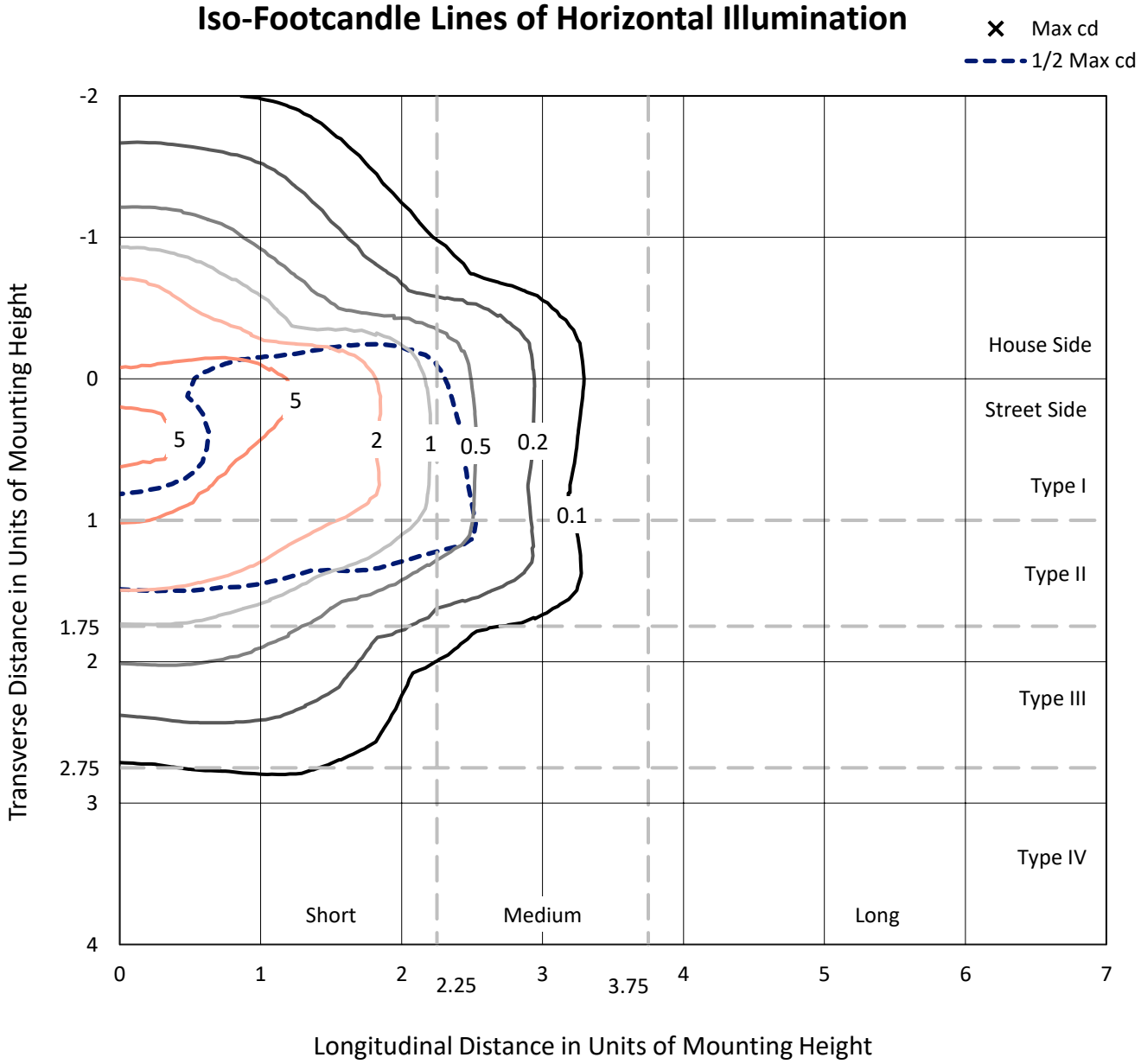
Input Watts (W):	219
Input Voltage (V):	120
Input Current (Ain):	NR
Voltage Rise (V):	NR
Power Factor:	0.98
Total Harmonic Distortion (THDi):	8.7%
Frequency (hertz):	60
Stabilization Time:	NR
Operation Time:	NR
Ambient Temperature (°C):	NR
Test Distance:	28.75 FT

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Iso-Footcandle Lines of Horizontal Illumination



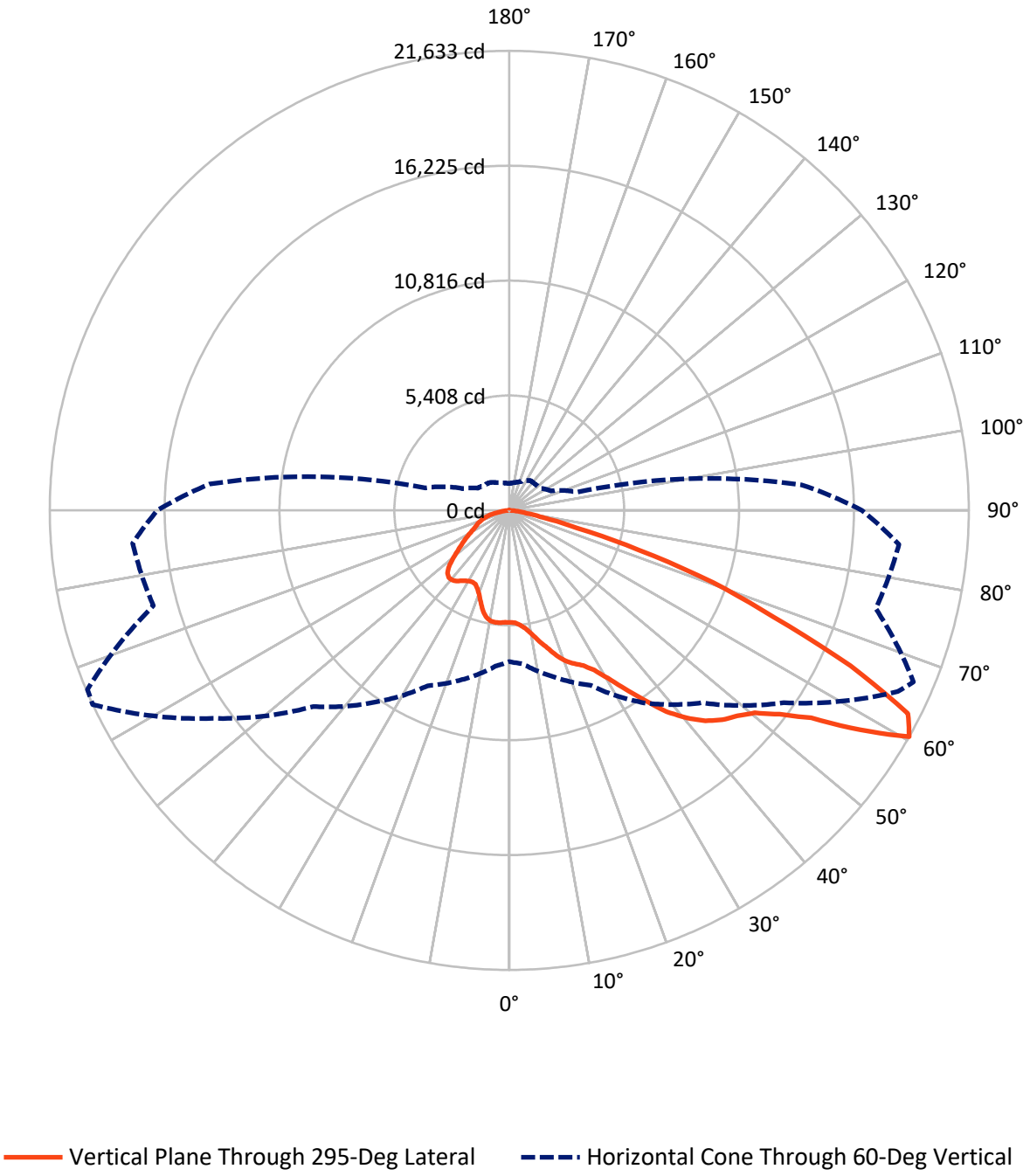
Based on 30 foot mounting height. Maximum calculated value = 8.8 fc
Type II - Short - N/A

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Luminous Intensity Polar Plot



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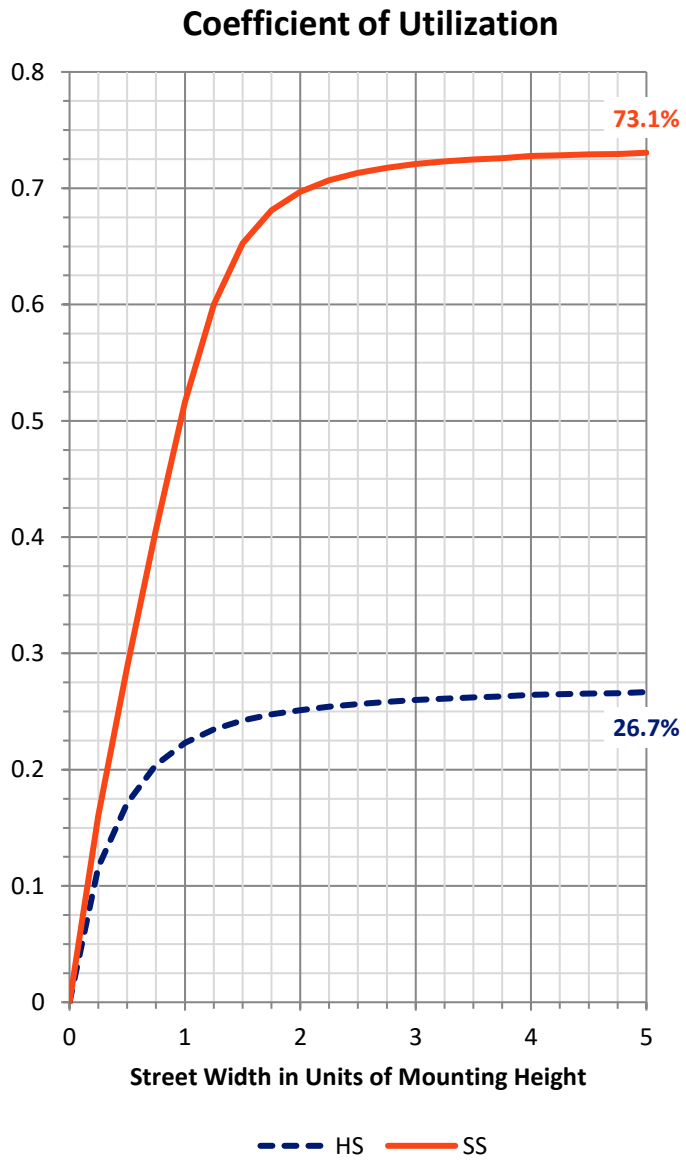
REPORT NUMBER: P1501418
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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	8817.3	0.0	8817.3
	% Fixture	26.9	0.0	26.9
Street Side	Lumens	23971.5	0.0	23971.5
	% Fixture	73.1	0.0	73.1
Total	Lumens	32788.9	0.0	32788.9
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	496.0	1.5
10°-20°	1425.9	4.3
20°-30°	2700.9	8.2
30°-40°	4761.6	14.5
40°-50°	7041.9	21.5
50°-60°	8269.1	25.2
60°-70°	5991.3	18.3
70°-80°	1847.7	5.6
80°-90°	254.4	0.8
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°	32788.9	100.0
0°-180°	32788.9	100.0



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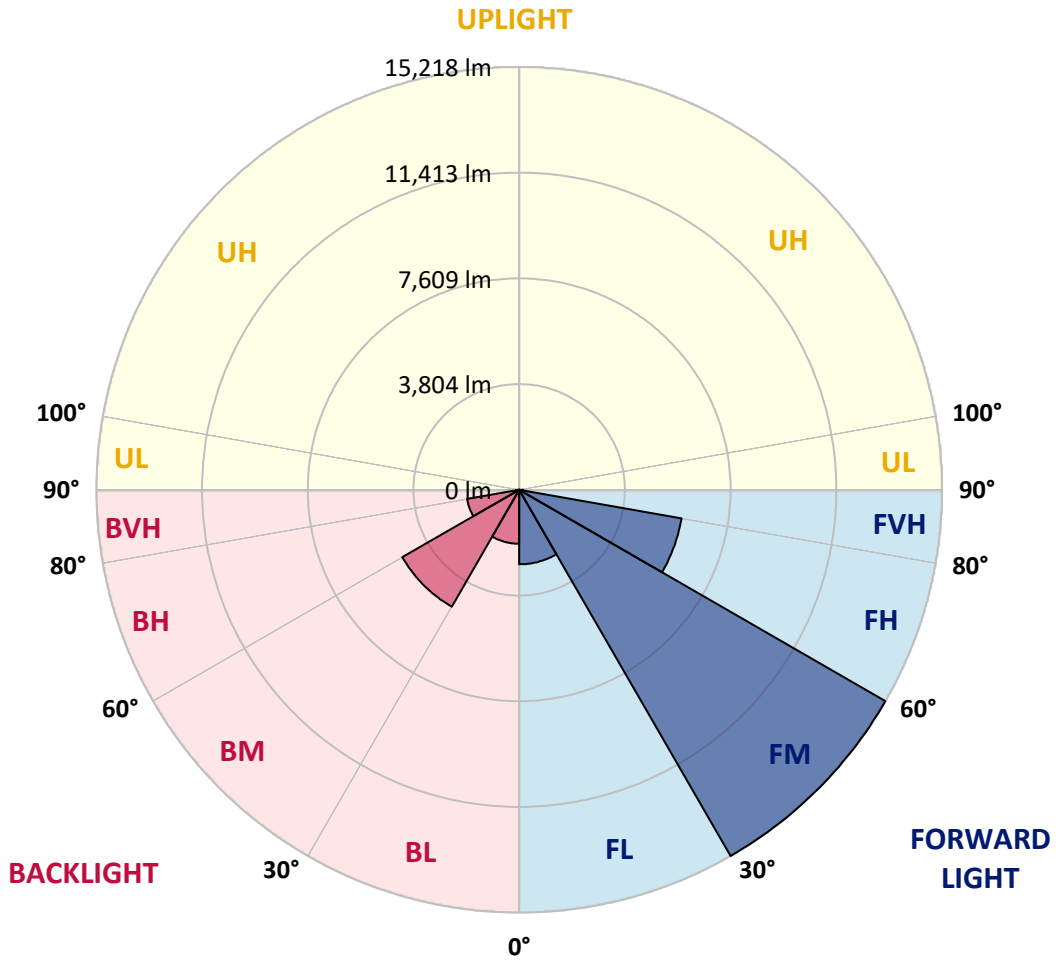
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	2681.0	8.2			
FM	(30°-60°)	15217.5	46.4			
FH	(60°-80°)	5935.8	18.1			G3/7500
FVH	(80°-90°)	137.2	0.4			G2/225
BL	(0°-30°)	1941.9	5.9	B3/2500		
BM	(30°-60°)	4855.1	14.8	B3/5000		
BH	(60°-80°)	1903.2	5.8	B3/2500		G3/2500
BVH	(80°-90°)	117.2	0.4			G2/225
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G3
Type II Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	67°	75°	85°
0°	5275.6	5275.6	5275.6	5275.6	5275.6	5275.6	5275.6	5275.6	5275.6	5275.6	5275.6
2.5°	5380.2	5395.1	5372.7	5387.7	5387.7	5365.2	5357.8	5327.9	5342.8	5335.4	5327.9
5°	5507.2	5514.7	5499.7	5522.2	5522.2	5529.6	5522.2	5484.8	5484.8	5484.8	5469.9
7.5°	5469.9	5469.9	5477.3	5552.1	5626.8	5723.9	5723.9	5709.0	5723.9	5716.4	5649.2
10°	5156.0	5185.9	5253.2	5440.0	5619.3	5828.5	5970.5	6015.3	6015.3	6022.8	5910.7
12.5°	4595.6	4618.0	4774.9	5058.9	5432.5	5813.6	6157.3	6381.5	6403.9	6441.3	6291.8
15°	4094.9	4109.9	4222.0	4513.4	4939.3	5611.8	6261.9	6725.2	6800.0	6956.9	6732.7
17.5°	4139.8	4132.3	4162.2	4274.3	4580.6	5283.0	6239.5	7128.7	7263.3	7539.7	7345.5
20°	4408.8	4408.8	4431.2	4453.6	4565.7	5043.9	6075.1	7457.5	7719.1	8257.1	8032.9
22.5°	4834.7	4834.7	4827.2	4864.6	4864.6	5148.5	6082.6	7704.1	8092.7	9056.6	8839.9
25°	5425.0	5395.1	5395.1	5410.1	5342.8	5544.6	6269.4	7958.2	8466.3	10005.7	9818.8
27.5°	6090.1	6112.5	6097.5	6045.2	5955.6	6112.5	6717.8	8354.2	8884.8	11007.0	10932.2
30°	6814.9	6822.4	6837.3	6807.4	6732.7	6844.8	7420.2	8952.0	9437.7	12053.1	12217.5
32.5°	7524.8	7629.4	7592.0	7517.3	7547.2	7749.0	8287.0	9759.1	10259.7	13024.5	13607.4
35°	8429.0	8466.3	8615.8	8339.3	8346.8	8690.5	9392.9	10820.2	11305.9	14033.3	14997.3
37.5°	9744.1	9811.4	9744.1	9310.7	9243.5	9721.7	10468.9	11866.3	12217.5	14795.5	16290.0
40°	11036.9	11119.1	11231.1	10723.0	10297.1	10693.1	11485.2	12665.9	13032.0	15214.0	17149.3
42.5°	12105.4	12239.9	12120.4	11970.9	11582.3	11657.1	12195.1	13286.1	13652.2	15744.5	18016.2
45°	13009.6	13032.0	13084.3	12979.7	12785.4	12718.2	12800.4	13831.6	14235.1	15983.6	18442.1
47.5°	13383.2	13480.4	13525.2	13704.5	13906.3	13771.8	13316.0	14085.6	14451.8	15968.7	18576.6
50°	13181.5	13278.6	13517.7	13943.7	14429.4	14668.5	13921.2	14436.8	14847.8	16237.7	18853.1
52.5°	12650.9	12755.5	13144.1	13629.8	14444.3	14989.8	14773.1	15169.1	15565.2	16715.9	19316.4
55°	11365.6	11522.6	12068.1	12875.1	13996.0	14817.9	15669.8	16245.2	16678.6	17291.3	19794.6
57.5°	9497.5	9661.9	10274.7	11485.2	13166.5	14108.0	15931.3	18262.7	18457.0	17978.8	19839.4
60°	*7113.8*	*7248.3*	*8115.1*	*9086.5*	*11059.3*	*12807.8*	*15781.9*	*20175.7*	*20668.9*	*17859.2*	*18412.2*
62.5°	5634.3	5798.6	6568.3	7016.7	8429.0	10581.0	15258.8	20706.3	21132.2	16872.9	16424.5
65°	4401.3	4513.4	5230.7	5873.4	6217.1	7225.9	13076.8	18113.3	18494.4	15266.3	13555.1
67.5°	2906.8	3078.7	3930.5	4812.3	4991.6	4595.6	8996.9	13936.2	14115.5	12135.3	10192.5
70°	2084.8	2167.0	2802.2	3743.7	4012.7	3078.7	4901.9	10551.1	10603.5	8145.0	6867.2
72.5°	1419.8	1434.7	1905.5	2869.4	3198.2	2234.3	2697.6	6949.4	6770.1	4020.2	3930.5
75°	964.0	978.9	1218.0	1913.0	2264.2	1554.3	1756.0	3788.5	3639.1	2219.3	2383.7
77.5°	650.1	665.1	836.9	1285.3	1509.4	1076.0	1285.3	2002.6	1965.3	1472.1	1277.8
80°	493.2	515.6	620.2	822.0	1053.6	627.7	732.3	949.0	964.0	784.6	650.1
82.5°	276.5	306.4	373.6	418.5	680.0	351.2	351.2	567.9	545.5	485.7	351.2
85°	119.6	127.0	149.4	156.9	276.5	149.4	127.0	246.6	254.1	239.1	112.1
87.5°	22.4	22.4	22.4	22.4	22.4	22.4	22.4	29.9	29.9	29.9	29.9
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	5275.6	5275.6	5275.6	5275.6	5275.6	5275.6	5275.6	5275.6	5275.6	5275.6	5275.6
2.5°	5290.5	5335.4	5290.5	5268.1	5268.1	5230.7	5215.8	5215.8	5163.5	5185.9	5171.0
5°	5410.1	5425.0	5372.7	5305.5	5215.8	5141.1	5036.5	4901.9	4819.8	4812.3	4819.8
7.5°	5596.9	5604.4	5462.4	5312.9	5088.8	4819.8	4498.4	4236.9	4005.3	3967.9	4012.7
10°	5858.4	5843.5	5634.3	5283.0	4812.3	4244.4	3751.2	3512.1	3377.6	3370.1	3362.6
12.5°	6209.6	6112.5	5791.2	5156.0	4334.0	3676.5	3422.4	3407.5	3444.8	3474.7	3482.2
15°	6613.1	6486.1	5918.2	4909.4	3848.3	3467.2	3482.2	3609.2	3654.0	3683.9	3683.9
17.5°	7113.8	6949.4	6060.2	4558.2	3601.7	3512.1	3616.7	3736.2	3811.0	3840.9	3833.4
20°	7778.9	7435.1	6172.3	4222.0	3534.5	3586.8	3676.5	3796.0	3870.7	3908.1	3908.1
22.5°	8443.9	8018.0	6194.7	3990.3	3534.5	3594.3	3676.5	3796.0	3878.2	3915.6	3908.1
25°	9348.1	8765.2	6202.2	3825.9	3542.0	3556.9	3631.6	3736.2	3855.8	3893.2	3908.1
27.5°	10312.0	9587.2	6239.5	3788.5	3512.1	3504.6	3556.9	3654.0	3773.6	3870.7	3878.2
30°	11507.6	10513.8	6254.5	3825.9	3519.5	3422.4	3459.8	3556.9	3683.9	3781.1	3811.0
32.5°	12680.8	11373.1	6224.6	3908.1	3534.5	3370.1	3377.6	3437.3	3571.8	3639.1	3691.4
35°	13921.2	12284.8	6172.3	4020.2	3542.0	3347.7	3280.4	3310.3	3400.0	3407.5	3429.9
37.5°	14892.7	12964.8	6015.3	4169.6	3556.9	3265.5	3131.0	3108.6	3071.2	2996.5	3011.4
40°	15692.2	13420.6	5753.8	4244.4	3519.5	3168.3	2944.2	2839.5	2697.6	2585.5	2607.9
42.5°	16267.6	13727.0	5440.0	4259.3	3459.8	3003.9	2727.5	2548.1	2391.2	2271.6	2279.1
45°	16521.7	13697.1	5103.7	4147.2	3317.8	2802.2	2525.7	2353.8	2182.0	2054.9	2040.0
47.5°	16529.1	13405.6	4640.4	3878.2	3078.7	2570.5	2338.9	2152.1	2010.1	1920.4	1913.0
50°	16588.9	13241.2	4207.0	3489.6	2764.8	2323.9	2174.5	1987.7	1905.5	1778.5	1741.1
52.5°	16962.5	13510.2	3908.1	3063.7	2473.4	2144.6	2032.5	1868.1	1733.6	1651.4	1643.9
55°	17567.8	13973.5	3743.7	2742.4	2196.9	1972.7	1898.0	1756.0	1636.5	1554.3	1531.9
57.5°	17642.5	14212.7	3549.4	2443.5	1972.7	1838.2	1808.3	1651.4	1479.6	1419.8	1397.4
60°	*16596.4*	*13809.1*	*3310.3*	*2167.0*	*1808.3*	*1733.6*	*1718.7*	*1509.4*	*1367.5*	*1292.7*	*1262.8*
62.5°	15169.1	12800.4	2944.2	1913.0	1681.3	1629.0	1569.2	1404.8	1225.5	1143.3	1120.9
65°	12396.8	10760.4	2503.3	1741.1	1554.3	1494.5	1479.6	1255.4	1135.8	1091.0	1083.5
67.5°	9392.9	8645.7	2204.4	1614.1	1419.8	1397.4	1345.0	1270.3	1218.0	1165.7	1150.8
70°	6643.0	6239.5	1875.6	1449.7	1285.3	1247.9	1464.6	1382.4	1195.6	1128.3	1120.9
72.5°	4027.7	3915.6	1621.5	1300.2	1105.9	1165.7	1352.5	1247.9	1076.0	993.8	964.0
75°	2540.6	2323.9	1360.0	1105.9	881.8	949.0	1180.7	1113.4	926.6	844.4	822.0
77.5°	1382.4	1285.3	1023.7	904.2	694.9	769.7	1031.2	919.1	739.8	807.0	717.4
80°	605.3	672.5	680.0	523.1	463.3	567.9	739.8	717.4	567.9	575.4	478.2
82.5°	291.4	381.1	440.9	358.7	261.5	336.3	493.2	411.0	381.1	358.7	343.7
85°	89.7	142.0	194.3	171.9	119.6	142.0	231.6	224.2	269.0	231.6	216.7
87.5°	29.9	29.9	22.4	22.4	22.4	29.9	37.4	22.4	7.5	7.5	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°	5275.6	5275.6	5275.6	5275.6	5275.6	5275.6	5275.6	5275.6	5275.6	5275.6	5275.6
2.5°	5163.5	5171.0	5171.0	5178.4	5178.4	5200.8	5230.7	5260.6	5238.2	5268.1	5275.6
5°	4804.8	4842.2	4872.1	4984.1	5073.8	5148.5	5230.7	5305.5	5327.9	5342.8	5380.2
7.5°	3960.4	4065.0	4259.3	4513.4	4797.3	5073.8	5260.6	5454.9	5484.8	5522.2	5574.5
10°	3370.1	3414.9	3549.4	3811.0	4319.1	4864.6	5320.4	5626.8	5753.8	5828.5	5880.8
12.5°	3467.2	3437.3	3414.9	3452.3	3781.1	4483.5	5283.0	5873.4	6112.5	6194.7	6261.9
15°	3698.9	3669.0	3586.8	3482.2	3519.5	4080.0	5156.0	6105.0	6486.1	6620.6	6762.6
17.5°	3833.4	3803.5	3736.2	3624.2	3527.0	3743.7	4916.9	6314.2	7076.4	7240.8	7442.6
20°	3908.1	3878.2	3811.0	3698.9	3586.8	3616.7	4610.5	6575.8	7749.0	8010.5	8309.4
22.5°	3923.1	3885.7	3811.0	3698.9	3631.6	3609.2	4319.1	6732.7	8473.8	8877.3	9221.0
25°	3915.6	3848.3	3751.2	3669.0	3631.6	3624.2	4117.3	6822.4	9258.4	9901.0	10289.6
27.5°	3863.3	3781.1	3683.9	3624.2	3609.2	3654.0	4027.7	6927.0	10177.5	10999.5	11619.7
30°	3803.5	3683.9	3564.4	3542.0	3579.3	3721.3	4102.4	6964.4	11141.5	12195.1	12830.3
32.5°	3646.6	3556.9	3437.3	3429.9	3519.5	3773.6	4274.3	6912.0	11993.3	13390.7	14190.2
35°	3422.4	3370.1	3302.8	3325.3	3467.2	3818.4	4393.8	6747.7	12770.5	14504.1	15438.1
37.5°	3026.4	3063.7	3101.1	3153.4	3332.7	3811.0	4446.1	6486.1	13413.1	15393.3	16588.9
40°	2585.5	2712.5	2832.1	2966.6	3205.7	3751.2	4461.1	6164.8	13786.7	16065.8	17612.6
42.5°	2309.0	2428.6	2578.0	2772.3	3033.8	3616.7	4446.1	5806.1	13906.3	16529.1	18262.7
45°	2054.9	2196.9	2383.7	2585.5	2884.4	3422.4	4311.6	5417.6	13966.1	16745.8	18539.2
47.5°	1920.4	2002.6	2174.5	2376.2	2690.1	3183.3	4050.1	5133.6	13876.4	16790.7	18875.5
50°	1763.5	1875.6	1987.7	2182.0	2488.3	2884.4	3736.2	4969.2	14025.9	17231.5	19406.0
52.5°	1643.9	1703.7	1823.3	2002.6	2226.8	2607.9	3437.3	4834.7	14436.8	17679.9	19959.0
55°	1554.3	1621.5	1696.3	1845.7	2017.6	2331.4	3131.0	4632.9	14915.1	18158.1	20512.0
57.5°	1412.3	1457.1	1561.7	1718.7	1830.8	2062.4	2772.3	4393.8	14877.7	17784.5	19555.5
60°	*1285.3*	*1330.1*	*1442.2*	*1599.1*	*1666.4*	*1823.3*	*2421.1*	*4087.4*	*14160.4*	*16566.5*	*17792.0*
62.5°	1143.3	1195.6	1330.1	1442.2	1502.0	1621.5	2054.9	3527.0	12665.9	14735.7	15729.6
65°	1083.5	1113.4	1203.1	1337.6	1330.1	1442.2	1733.6	2772.3	10192.5	11261.0	12165.2
67.5°	1150.8	1195.6	1180.7	1218.0	1195.6	1255.4	1554.3	2226.8	8010.5	8481.3	9004.3
70°	1135.8	1240.4	1292.7	1218.0	1046.1	1113.4	1345.0	1778.5	5731.4	5686.6	5664.1
72.5°	993.8	1098.5	1247.9	1322.6	1023.7	926.6	1165.7	1539.3	3676.5	3661.5	3310.3
75°	844.4	919.1	1098.5	1195.6	881.8	747.2	1001.3	1307.7	2196.9	2226.8	1987.7
77.5°	777.1	739.8	919.1	1053.6	717.4	575.4	807.0	986.4	1210.5	1225.5	1135.8
80°	560.4	538.0	687.5	769.7	545.5	411.0	455.8	612.7	650.1	582.9	605.3
82.5°	358.7	366.2	411.0	493.2	336.3	224.2	313.8	411.0	351.2	284.0	336.3
85°	231.6	261.5	216.7	254.1	104.6	104.6	134.5	179.3	119.6	82.2	89.7
87.5°	0.0	0.0	14.9	29.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

Scaled Data Report

REPORT NUMBER: P1501418
CATALOG NUMBER: GSS-SB6B-730-U-T2LG

CANDELA DISTRIBUTION (continued):

	285°	293°	295°	305°	315°	325°	335°	345°	355°	360°
0°	5275.6	5275.6	5275.6	5275.6	5275.6	5275.6	5275.6	5275.6	5275.6	5275.6
2.5°	5298.0	5290.5	5290.5	5305.5	5342.8	5357.8	5380.2	5372.7	5395.1	5380.2
5°	5402.6	5410.1	5432.5	5440.0	5462.4	5492.3	5499.7	5492.3	5507.2	5507.2
7.5°	5611.8	5641.7	5626.8	5664.1	5634.3	5596.9	5537.1	5492.3	5454.9	5469.9
10°	5963.0	5948.1	5940.6	5873.4	5738.9	5544.6	5387.7	5215.8	5185.9	5156.0
12.5°	6351.6	6336.7	6336.7	6105.0	5723.9	5320.4	4961.7	4692.7	4603.0	4595.6
15°	6897.1	6800.0	6710.3	6224.6	5462.4	4774.9	4356.5	4147.2	4094.9	4094.9
17.5°	7577.1	7323.0	7173.6	6134.9	5036.5	4416.2	4169.6	4117.3	4102.4	4139.8
20°	8421.5	7778.9	7562.2	5933.2	4879.5	4461.1	4341.5	4349.0	4356.5	4408.8
22.5°	9348.1	8197.3	7838.6	5933.2	5036.5	4745.0	4685.2	4767.4	4789.9	4834.7
25°	10379.3	8570.9	8085.2	6247.0	5499.7	5283.0	5208.3	5290.5	5350.3	5425.0
27.5°	11537.5	8959.5	8511.2	6814.9	6097.5	5963.0	5880.8	5918.2	6000.4	6090.1
30°	12576.2	9609.6	9161.3	7681.7	6912.0	6747.7	6605.7	6665.5	6755.1	6814.9
32.5°	13495.3	10401.7	10020.6	8593.4	7846.1	7562.2	7405.2	7390.3	7569.6	7524.8
35°	14339.7	11335.8	10969.6	9632.0	8795.1	8443.9	8234.7	8503.7	8384.1	8429.0
37.5°	15004.7	12307.2	12015.8	10625.9	9781.5	9303.2	9176.2	9505.0	9691.8	9744.1
40°	15550.2	13151.6	12845.2	11612.2	10685.7	10334.4	10536.2	11081.7	11059.3	11036.9
42.5°	15968.7	13876.4	13540.1	12359.5	11552.5	11619.7	11776.6	12142.8	12232.5	12105.4
45°	16155.5	14332.2	14063.2	12949.8	12538.8	12927.4	12994.6	13151.6	13091.8	13009.6
47.5°	16372.2	14735.7	14451.8	13487.8	13607.4	13988.5	13854.0	13727.0	13510.2	13383.2
50°	16738.4	15214.0	14974.9	14272.4	14705.8	14578.8	14055.7	13771.8	13330.9	13181.5
52.5°	17433.3	16118.1	15938.8	15512.9	15221.4	14489.1	13854.0	13345.9	12852.7	12650.9
55°	18053.5	17343.6	17239.0	16671.1	15064.5	14018.4	13166.5	12381.9	11537.5	11365.6
57.5°	18412.2	19376.1	19495.7	17164.3	14347.2	12949.8	11694.4	10439.1	9639.5	9497.5
60°	17343.6	21573.1	21632.8	17067.2	13054.4	11021.9	9109.0	8219.7	7360.4	7113.8
62.5°	15871.6	21117.2	21064.9	16484.3	10394.2	8040.4	6919.5	6501.1	5836.0	5634.3
65°	13644.8	17590.2	17650.0	14242.6	6912.0	5813.6	5813.6	5283.0	4543.3	4401.3
67.5°	11119.1	13562.6	13428.1	9236.0	4244.4	4655.4	4879.5	4117.3	3078.7	2906.8
70°	7225.9	10356.9	10170.0	5327.9	2667.7	3878.2	3840.9	3093.6	2204.4	2084.8
72.5°	3108.6	5985.5	6366.6	2720.0	2010.1	3123.5	3063.7	2167.0	1472.1	1419.8
75°	1875.6	3011.4	3280.4	1733.6	1464.6	2353.8	2122.2	1374.9	1001.3	964.0
77.5°	1188.1	1651.4	1636.5	1300.2	1098.5	1591.6	1427.2	949.0	680.0	650.1
80°	687.5	814.5	844.4	814.5	739.8	1135.8	911.6	687.5	530.5	493.2
82.5°	440.9	508.1	515.6	396.0	411.0	732.3	493.2	403.5	306.4	276.5
85°	194.3	216.7	209.2	134.5	134.5	298.9	171.9	164.4	119.6	119.6
87.5°	7.5	14.9	7.5	7.5	7.5	29.9	14.9	22.4	22.4	22.4
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: SP1-2407-184-4

Test Date: 10/10/2024

Luminaire Tested: GSS-SB1A-730-U-5WQ

Data in this report applies to families of products including GSS-SB1A-730-U-5WQ

Report Generated By FNC07603 / LDUCLS01DT446
Version: v7.04

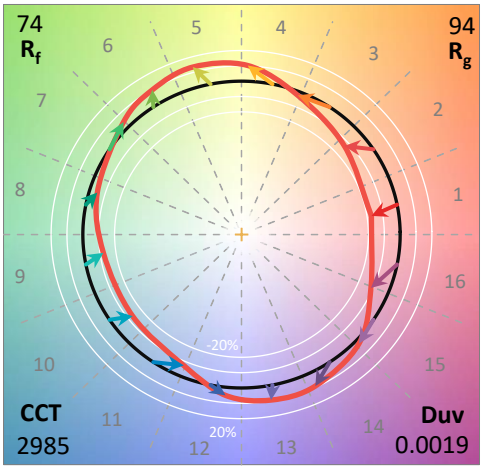
Test Information

Test Method:	LM-79-2019
Report Number:	SP1-2407-184-4
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-730-U-5WQ**
Description:	GALLEON II SITE SLIM 1SQ 350MA 5WQ HIGH DENSITY LIGHTSQUARE WITH 70 CRI 3000K CCT 26 LEDS

Spectral Parameters

CCT (K):	2985
CIE u':	0.2504
CIE v':	0.5243
Duv:	0.0019
CIE x:	0.4408
CIE y:	0.4101
CIE z:	0.1491
Peak Wavelength (nm):	595
Dominant Wavelength (nm):	582
Purity:	55.41818
Rf:	73.8
Rg:	94.4

CRI (Ra):	70.8
R1:	66.3
R2:	80.6
R3:	94.5
R4:	68.2
R5:	66.5
R6:	74.7
R7:	76.2
R8:	39.6
R9:	-43.2
R10:	57.6
R11:	64.8
R12:	53.5
R13:	68.7
R14:	97.0
R15:	56.4



Test Conditions

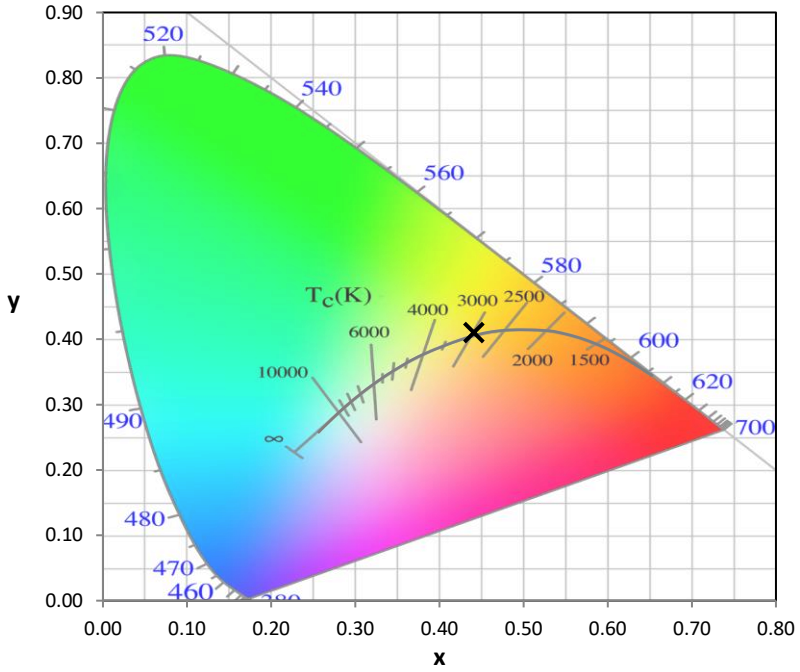
Stabilization Time:	36M
Operation Time:	1H 36M
Sphere Temperature (°C):	25.2

REPORT NUMBER: SP1-2407-184-4

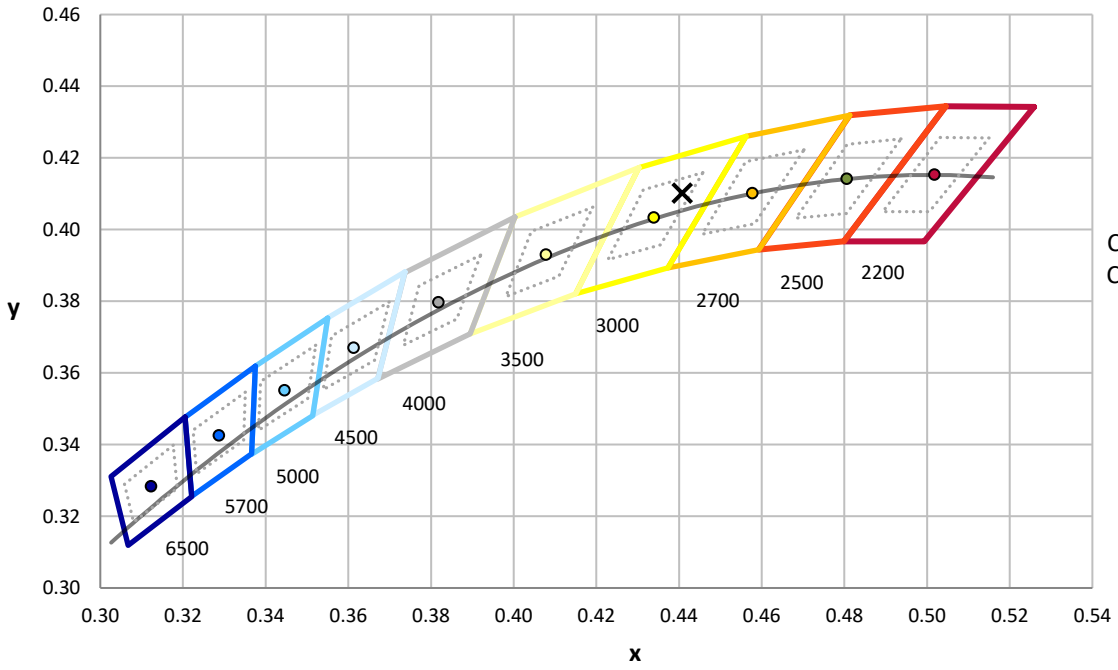
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

REPORT NUMBER: SP1-2407-184-4

CIE 1931 Chromaticity Diagram



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

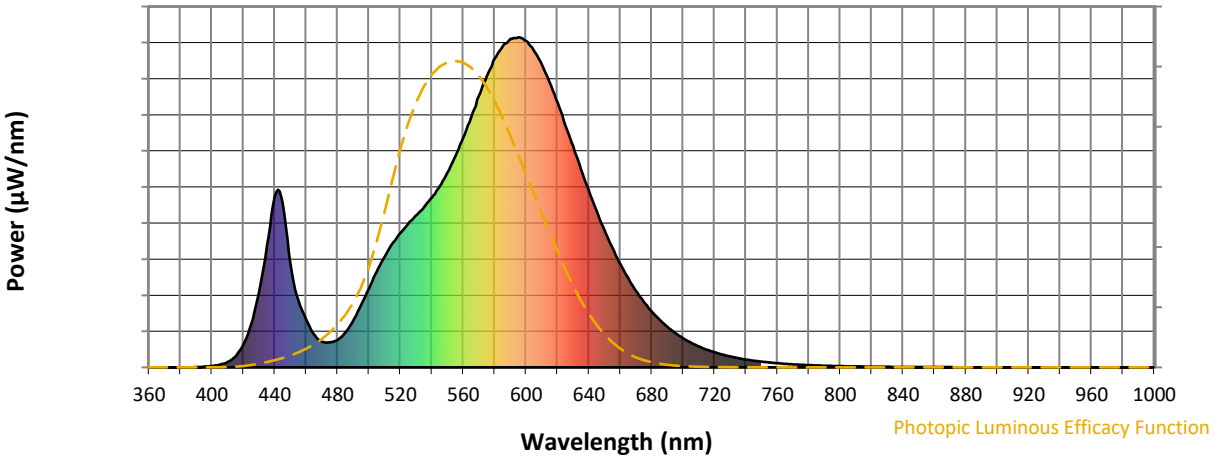


CCT = 2985K
CIE x = 0.4408
CIE y = 0.4101
Duv = 0.0019

Point lies inside the ANSI 3000K 4-step quadrangle

REPORT NUMBER: SP1-2407-184-4

Photopic Flux vs. Wavelength

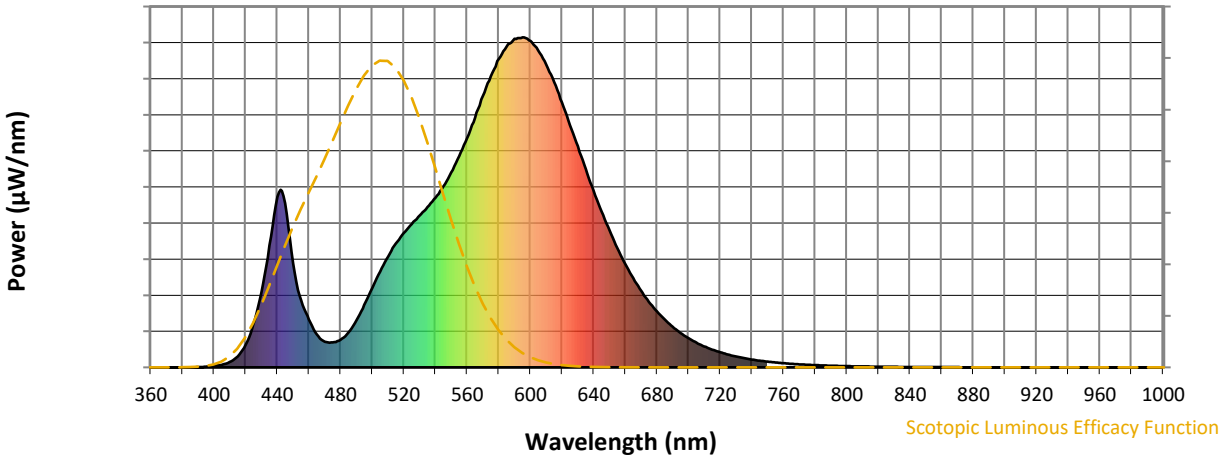


Photopic Lumens: NR

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	142	NR	620	803	NR	750	17	NR	880	0	NR
365	0	NR	495	189	NR	625	734	NR	755	15	NR	885	0	NR
370	0	NR	500	240	NR	630	670	NR	760	13	NR	890	0	NR
375	0	NR	505	290	NR	635	600	NR	765	11	NR	895	0	NR
380	0	NR	510	335	NR	640	535	NR	770	9	NR	900	0	NR
385	0	NR	515	375	NR	645	473	NR	775	8	NR	905	0	NR
390	1	NR	520	408	NR	650	415	NR	780	7	NR	910	0	NR
395	2	NR	525	434	NR	655	362	NR	785	6	NR	915	0	NR
400	4	NR	530	461	NR	660	313	NR	790	5	NR	920	0	NR
405	8	NR	535	486	NR	665	271	NR	795	4	NR	925	0	NR
410	16	NR	540	514	NR	670	231	NR	800	4	NR	930	0	NR
415	33	NR	545	549	NR	675	198	NR	805	3	NR	935	0	NR
420	69	NR	550	591	NR	680	169	NR	810	3	NR	940	0	NR
425	131	NR	555	640	NR	685	144	NR	815	2	NR	945	0	NR
430	227	NR	560	695	NR	690	123	NR	820	2	NR	950	0	NR
435	369	NR	565	757	NR	695	104	NR	825	2	NR	955	0	NR
440	517	NR	570	822	NR	700	88	NR	830	2	NR	960	0	NR
445	498	NR	575	882	NR	705	75	NR	835	1	NR	965	0	NR
450	315	NR	580	935	NR	710	63	NR	840	1	NR	970	0	NR
455	204	NR	585	972	NR	715	54	NR	845	1	NR	975	0	NR
460	145	NR	590	996	NR	720	46	NR	850	1	NR	980	0	NR
465	100	NR	595	1000	NR	725	39	NR	855	1	NR	985	0	NR
470	78	NR	600	989	NR	730	33	NR	860	1	NR	990	0	NR
475	76	NR	605	960	NR	735	28	NR	865	1	NR	995	0	NR
480	83	NR	610	918	NR	740	24	NR	870	1	NR	1000	0	NR
485	105	NR	615	864	NR	745	20	NR	875	1	NR			

REPORT NUMBER: SP1-2407-184-4

Scotopic Flux vs. Wavelength

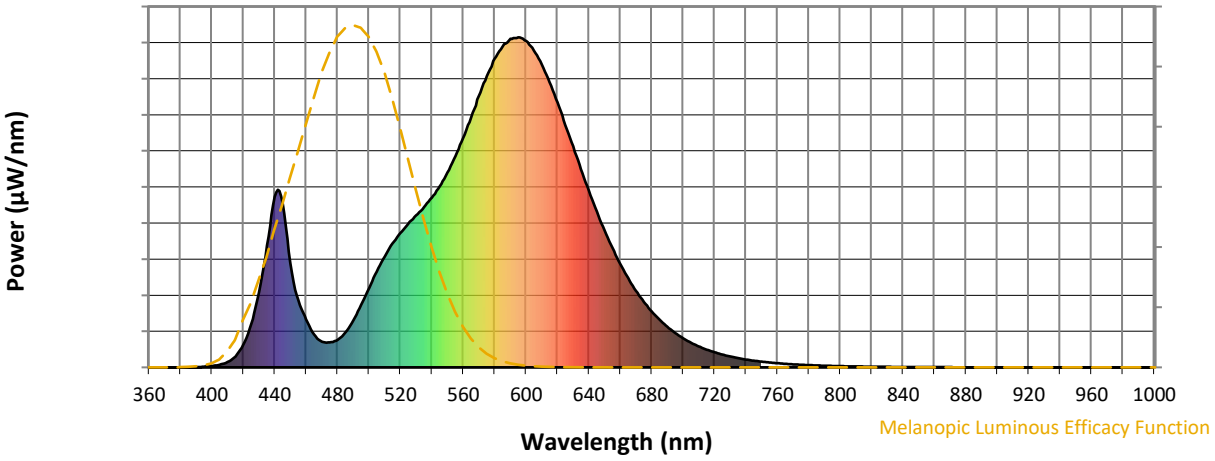


Scotopic Lumens: NR **S/P: 1.19**

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	142	NR	620	803	NR	750	17	NR	880	0	NR
365	0	NR	495	189	NR	625	734	NR	755	15	NR	885	0	NR
370	0	NR	500	240	NR	630	670	NR	760	13	NR	890	0	NR
375	0	NR	505	290	NR	635	600	NR	765	11	NR	895	0	NR
380	0	NR	510	335	NR	640	535	NR	770	9	NR	900	0	NR
385	0	NR	515	375	NR	645	473	NR	775	8	NR	905	0	NR
390	1	NR	520	408	NR	650	415	NR	780	7	NR	910	0	NR
395	2	NR	525	434	NR	655	362	NR	785	6	NR	915	0	NR
400	4	NR	530	461	NR	660	313	NR	790	5	NR	920	0	NR
405	8	NR	535	486	NR	665	271	NR	795	4	NR	925	0	NR
410	16	NR	540	514	NR	670	231	NR	800	4	NR	930	0	NR
415	33	NR	545	549	NR	675	198	NR	805	3	NR	935	0	NR
420	69	NR	550	591	NR	680	169	NR	810	3	NR	940	0	NR
425	131	NR	555	640	NR	685	144	NR	815	2	NR	945	0	NR
430	227	NR	560	695	NR	690	123	NR	820	2	NR	950	0	NR
435	369	NR	565	757	NR	695	104	NR	825	2	NR	955	0	NR
440	517	NR	570	822	NR	700	88	NR	830	2	NR	960	0	NR
445	498	NR	575	882	NR	705	75	NR	835	1	NR	965	0	NR
450	315	NR	580	935	NR	710	63	NR	840	1	NR	970	0	NR
455	204	NR	585	972	NR	715	54	NR	845	1	NR	975	0	NR
460	145	NR	590	996	NR	720	46	NR	850	1	NR	980	0	NR
465	100	NR	595	1000	NR	725	39	NR	855	1	NR	985	0	NR
470	78	NR	600	989	NR	730	33	NR	860	1	NR	990	0	NR
475	76	NR	605	960	NR	735	28	NR	865	1	NR	995	0	NR
480	83	NR	610	918	NR	740	24	NR	870	1	NR	1000	0	NR
485	105	NR	615	864	NR	745	20	NR	875	1	NR			

REPORT NUMBER: SP1-2407-184-4

Melanopic Flux vs. Wavelength



Melanopic Lumens: NR **M/P: 2.13**

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	142	NR	620	803	NR	750	17	NR	880	0	NR
365	0	NR	495	189	NR	625	734	NR	755	15	NR	885	0	NR
370	0	NR	500	240	NR	630	670	NR	760	13	NR	890	0	NR
375	0	NR	505	290	NR	635	600	NR	765	11	NR	895	0	NR
380	0	NR	510	335	NR	640	535	NR	770	9	NR	900	0	NR
385	0	NR	515	375	NR	645	473	NR	775	8	NR	905	0	NR
390	1	NR	520	408	NR	650	415	NR	780	7	NR	910	0	NR
395	2	NR	525	434	NR	655	362	NR	785	6	NR	915	0	NR
400	4	NR	530	461	NR	660	313	NR	790	5	NR	920	0	NR
405	8	NR	535	486	NR	665	271	NR	795	4	NR	925	0	NR
410	16	NR	540	514	NR	670	231	NR	800	4	NR	930	0	NR
415	33	NR	545	549	NR	675	198	NR	805	3	NR	935	0	NR
420	69	NR	550	591	NR	680	169	NR	810	3	NR	940	0	NR
425	131	NR	555	640	NR	685	144	NR	815	2	NR	945	0	NR
430	227	NR	560	695	NR	690	123	NR	820	2	NR	950	0	NR
435	369	NR	565	757	NR	695	104	NR	825	2	NR	955	0	NR
440	517	NR	570	822	NR	700	88	NR	830	2	NR	960	0	NR
445	498	NR	575	882	NR	705	75	NR	835	1	NR	965	0	NR
450	315	NR	580	935	NR	710	63	NR	840	1	NR	970	0	NR
455	204	NR	585	972	NR	715	54	NR	845	1	NR	975	0	NR
460	145	NR	590	996	NR	720	46	NR	850	1	NR	980	0	NR
465	100	NR	595	1000	NR	725	39	NR	855	1	NR	985	0	NR
470	78	NR	600	989	NR	730	33	NR	860	1	NR	990	0	NR
475	76	NR	605	960	NR	735	28	NR	865	1	NR	995	0	NR
480	83	NR	610	918	NR	740	24	NR	870	1	NR	1000	0	NR
485	105	NR	615	864	NR	745	20	NR	875	1	NR			

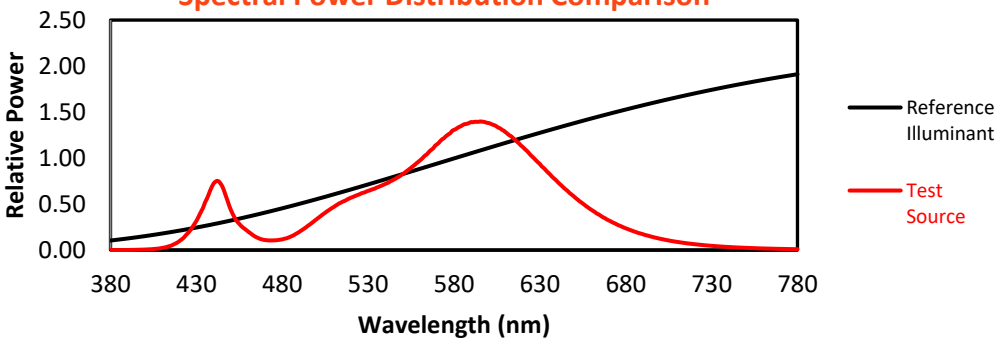
REPORT NUMBER: SP1-2407-184-4

TM-30-18

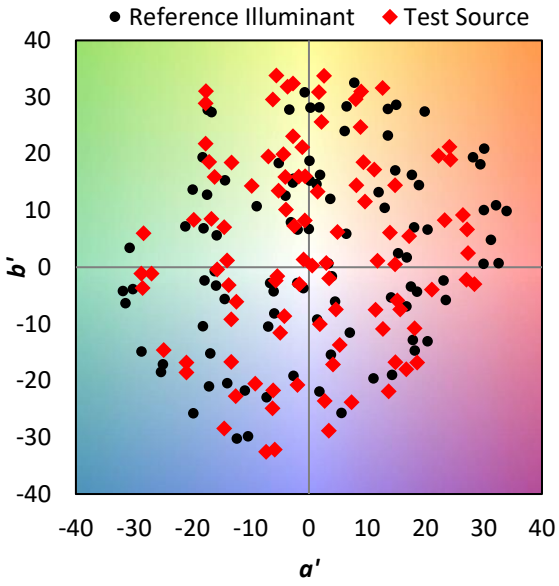
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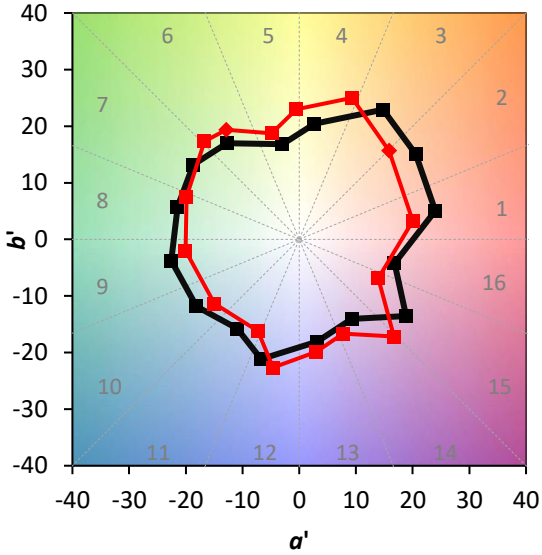
R_f = 73.8
R_g = 94.4
CIE R_a = 70.8
R_9 = -43.2

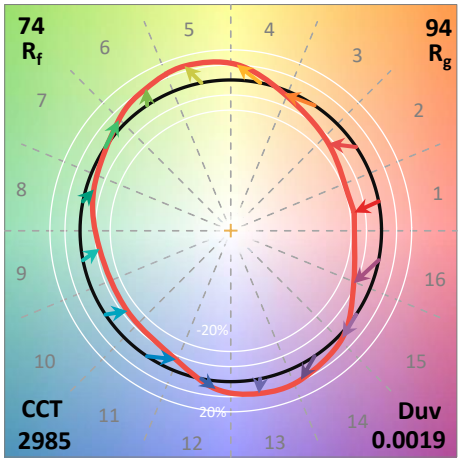
Spectral Power Distribution Comparison

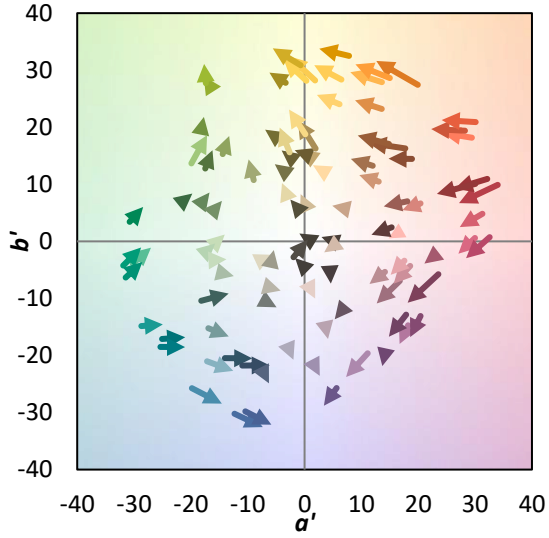


Color Vector Graphics







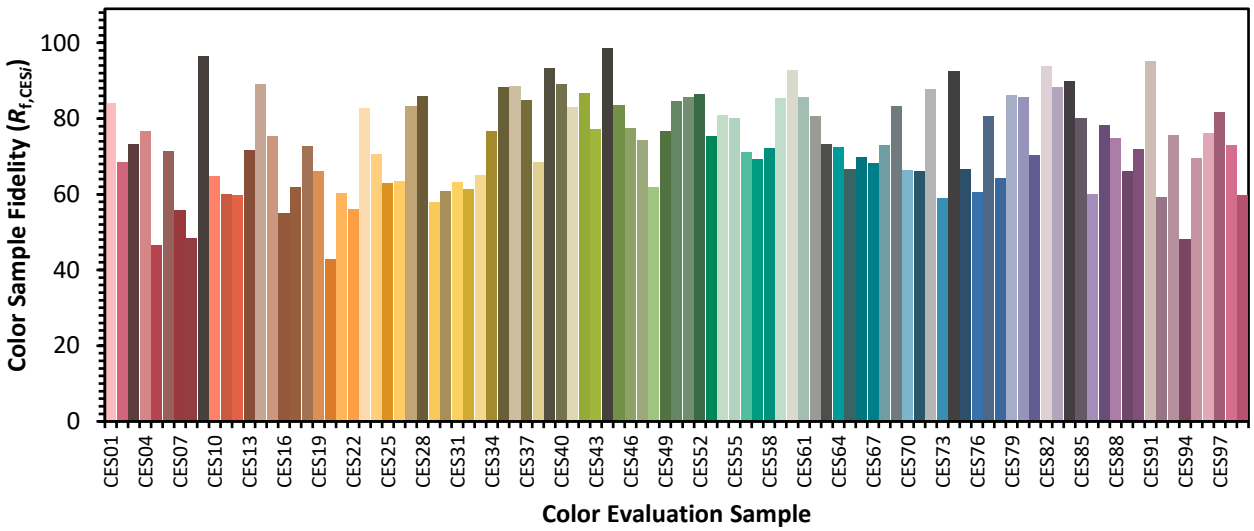


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Individual Sample Fidelity Index ($R_{f,i}$)

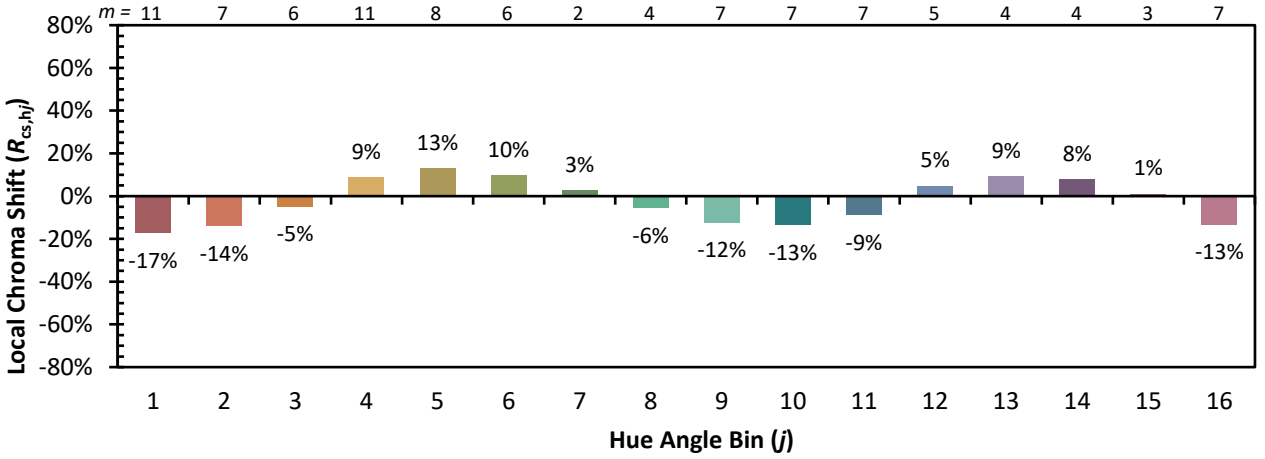
CES01 = 86	CES26 = 63	CES51 = 86	CES76 = 61
CES02 = 62	CES27 = 83	CES52 = 86	CES77 = 81
CES03 = 31	CES28 = 86	CES53 = 75	CES78 = 64
CES04 = 71	CES29 = 58	CES54 = 81	CES79 = 86
CES05 = 49	CES30 = 61	CES55 = 80	CES80 = 86
CES06 = 51	CES31 = 63	CES56 = 71	CES81 = 70
CES07 = 41	CES32 = 61	CES57 = 69	CES82 = 94
CES08 = 40	CES33 = 65	CES58 = 72	CES83 = 88
CES09 = 29	CES34 = 77	CES59 = 85	CES84 = 90
CES10 = 76	CES35 = 88	CES60 = 93	CES85 = 80
CES11 = 59	CES36 = 89	CES61 = 86	CES86 = 60
CES12 = 65	CES37 = 85	CES62 = 81	CES87 = 78
CES13 = 43	CES38 = 69	CES63 = 73	CES88 = 75
CES14 = 74	CES39 = 93	CES64 = 72	CES89 = 66
CES15 = 71	CES40 = 89	CES65 = 67	CES90 = 72
CES16 = 47	CES41 = 83	CES66 = 70	CES91 = 95
CES17 = 50	CES42 = 87	CES67 = 68	CES92 = 59
CES18 = 56	CES43 = 77	CES68 = 73	CES93 = 76
CES19 = 73	CES44 = 99	CES69 = 83	CES94 = 48
CES20 = 66	CES45 = 83	CES70 = 66	CES95 = 70
CES21 = 87	CES46 = 77	CES71 = 66	CES96 = 76
CES22 = 79	CES47 = 74	CES72 = 88	CES97 = 82
CES23 = 92	CES48 = 62	CES73 = 59	CES98 = 73
CES24 = 91	CES49 = 77	CES74 = 93	CES99 = 60
CES25 = 73	CES50 = 85	CES75 = 67	

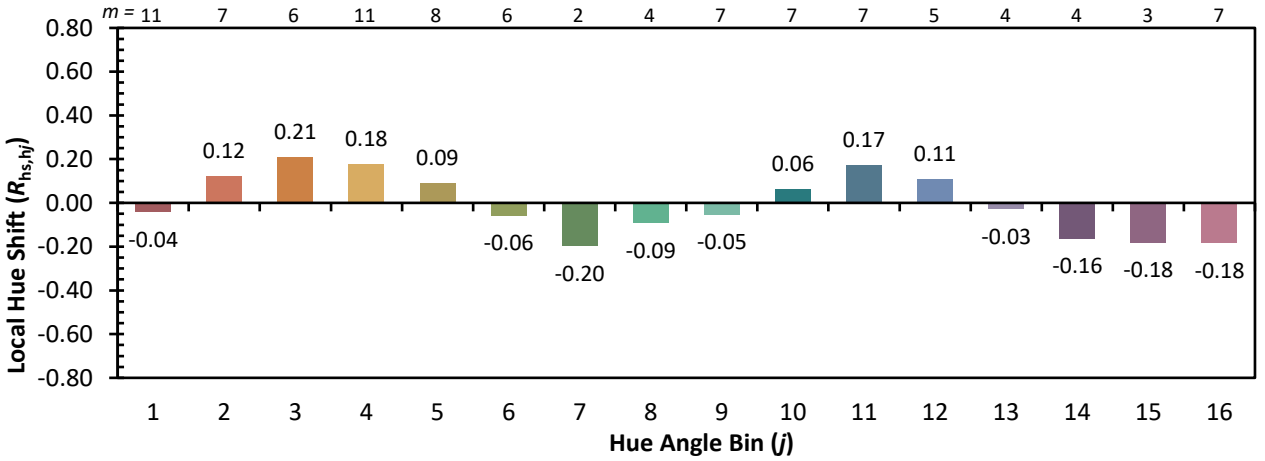


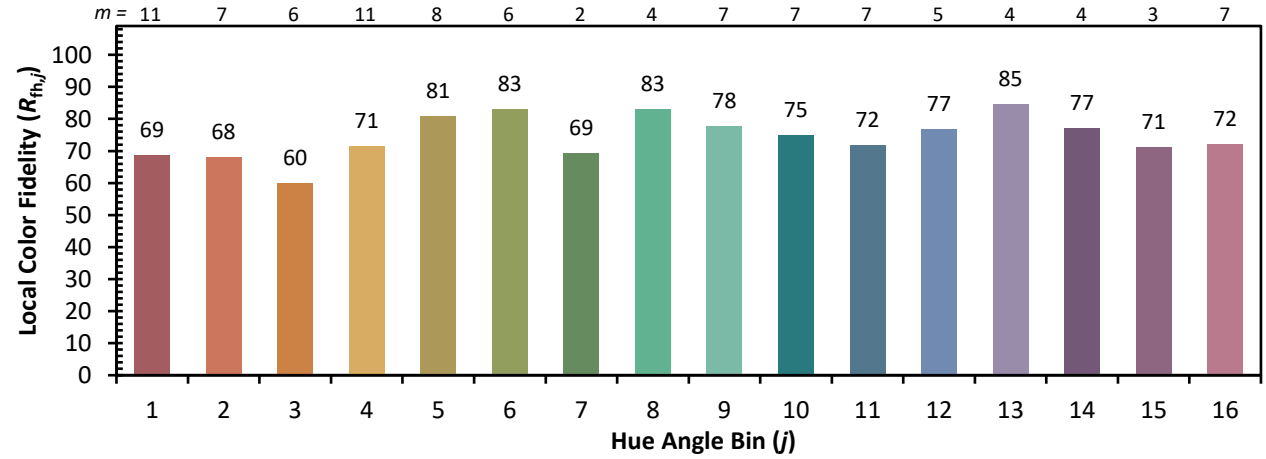
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Color Rendition by Hue-Angle Bin



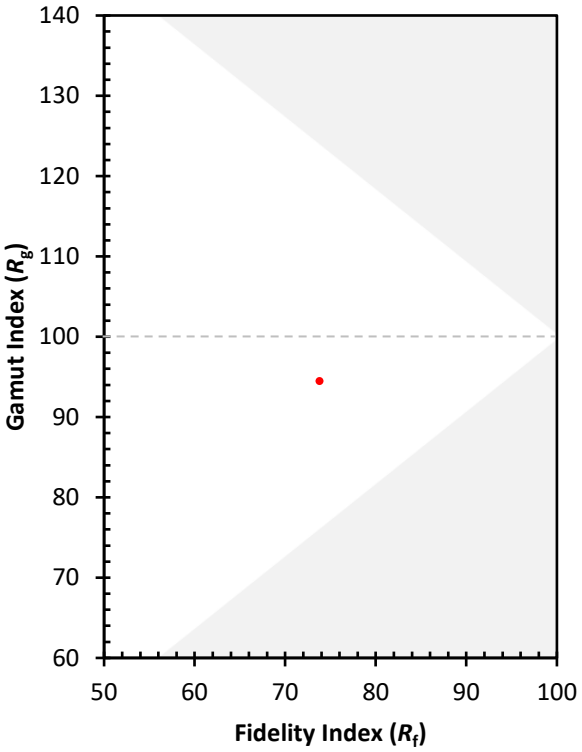


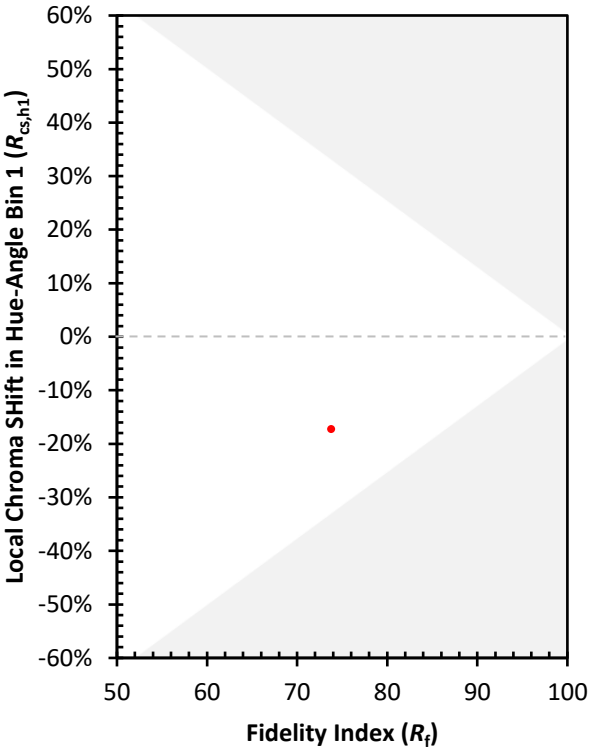


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Measure Comparisons





(END OF REPORT)