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: P1501417

Luminaire Tested: GSS-SB6A-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:	P1501417
Test Lab:	INNOVATION CENTER(G1)
Issue Date:	7/20/2026
Manufacturer:	COOPER LIGHTING SOLUTIONS
Product Line:	McGRAW-EDISON
Catalog Number:	GSS-SB6A-730-U-T2LG
Description:	GALLEON II SLIM SITE HIGH DENSITY LED ARRAYS 6SQUARE 170W 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:	26025.9 lumens
Efficiency:	N/A
Efficacy:	153.1 lumens/watt
Luminous Opening:	Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification:	Type II - Short
BUG Rating:	B3 - U0 - G3

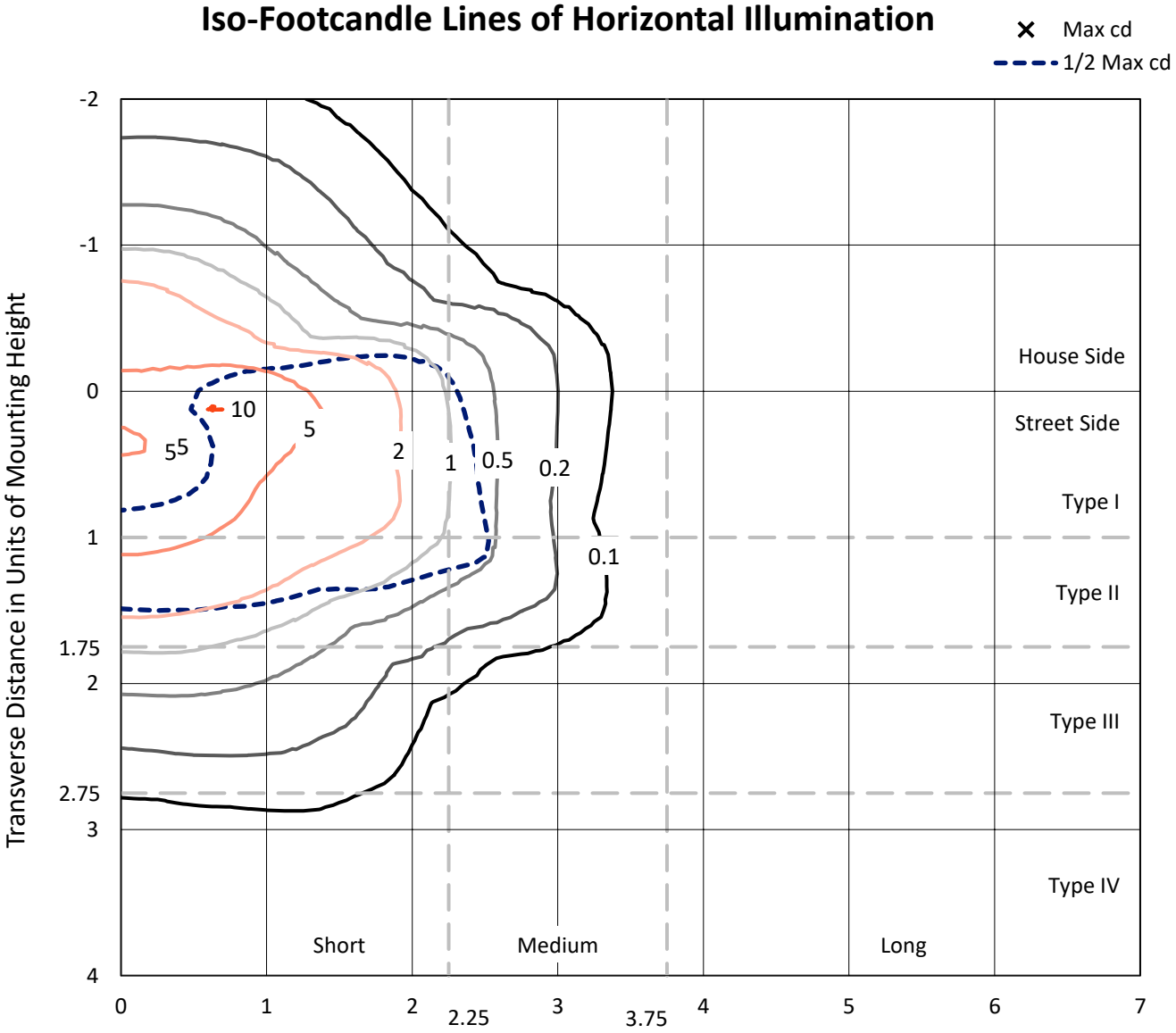
Input Watts (W):	170
Input Voltage (V):	120
Input Current (Ain):	NR
Voltage Rise (V):	NR
Power Factor:	0.98
Total Harmonic Distortion (THDi):	12.0%
Frequency (hertz):	60
Stabilization Time:	NR
Operation Time:	NR
Ambient Temperature (°C):	NR
Test Distance:	28.75 FT

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Iso-Footcandle Lines of Horizontal Illumination



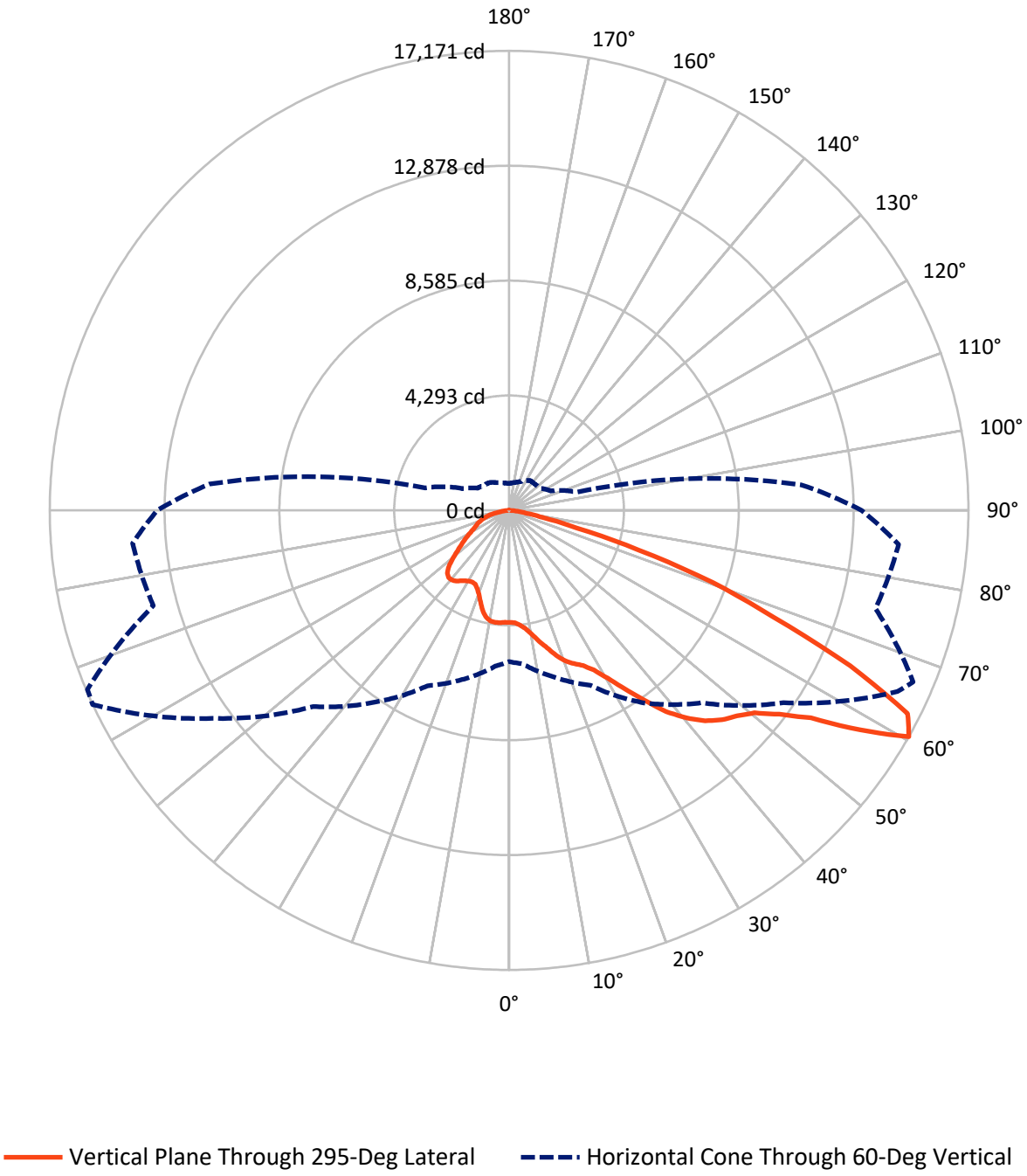
Based on 25 foot mounting height. Maximum calculated value = 10.1 fc
Type II - Short - N/A

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Luminous Intensity Polar Plot



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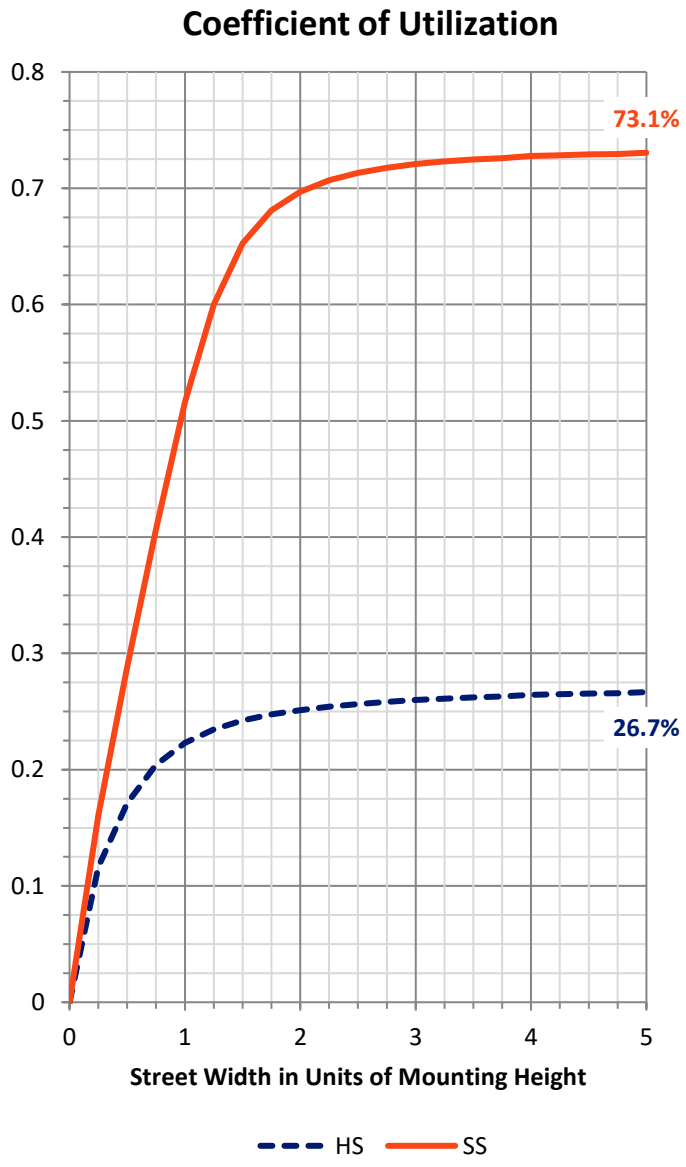
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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	6998.7	0.0	6998.7
	% Fixture	26.9	0.0	26.9
Street Side	Lumens	19027.2	0.0	19027.2
	% Fixture	73.1	0.0	73.1
Total	Lumens	26025.9	0.0	26025.9
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	393.7	1.5
10°-20°	1131.8	4.3
20°-30°	2143.8	8.2
30°-40°	3779.5	14.5
40°-50°	5589.5	21.5
50°-60°	6563.5	25.2
60°-70°	4755.6	18.3
70°-80°	1466.6	5.6
80°-90°	201.9	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°	26025.9	100.0
0°-180°	26025.9	100.0



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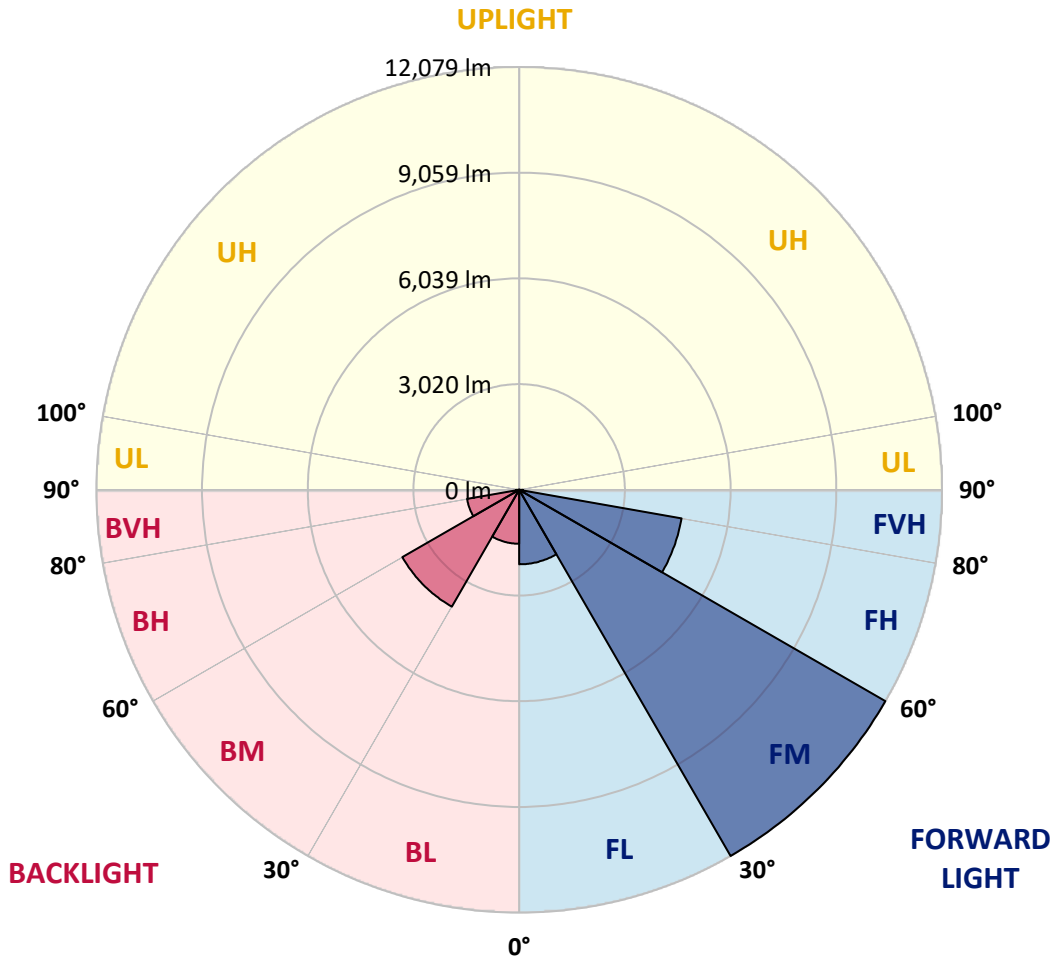
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	2128.0	8.2			
FM	(30°-60°)	12078.8	46.4			
FH	(60°-80°)	4711.5	18.1			G2/5000
FVH	(80°-90°)	108.9	0.4			G2/225
BL	(0°-30°)	1541.3	5.9	B3/2500		
BM	(30°-60°)	3853.7	14.8	B3/5000		
BH	(60°-80°)	1510.7	5.8	B3/2500		G3/2500
BVH	(80°-90°)	93.0	0.4			G1/100
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°	4187.5	4187.5	4187.5	4187.5	4187.5	4187.5	4187.5	4187.5	4187.5	4187.5	4187.5
2.5°	4270.5	4282.4	4264.6	4276.4	4276.4	4258.6	4252.7	4229.0	4240.8	4234.9	4229.0
5°	4371.3	4377.3	4365.4	4383.2	4383.2	4389.1	4383.2	4353.5	4353.5	4353.5	4341.7
7.5°	4341.7	4341.7	4347.6	4406.9	4466.2	4543.3	4543.3	4531.5	4543.3	4537.4	4484.0
10°	4092.6	4116.3	4169.7	4317.9	4460.3	4626.4	4739.1	4774.6	4774.6	4780.6	4691.6
12.5°	3647.7	3665.5	3790.1	4015.4	4312.0	4614.5	4887.3	5065.3	5083.1	5112.7	4994.1
15°	3250.3	3262.2	3351.1	3582.5	3920.5	4454.4	4970.4	5338.1	5397.4	5522.0	5344.0
17.5°	3285.9	3280.0	3303.7	3392.7	3635.8	4193.4	4952.6	5658.4	5765.2	5984.6	5830.4
20°	3499.4	3499.4	3517.2	3535.0	3624.0	4003.6	4822.1	5919.4	6127.0	6554.0	6376.1
22.5°	3837.5	3837.5	3831.6	3861.2	3861.2	4086.6	4828.0	6115.1	6423.5	7188.7	7016.7
25°	4306.1	4282.4	4282.4	4294.2	4240.8	4401.0	4976.3	6316.8	6720.1	7941.9	7793.6
27.5°	4834.0	4851.8	4839.9	4798.4	4727.2	4851.8	5332.2	6631.1	7052.2	8736.7	8677.4
30°	5409.3	5415.2	5427.1	5403.4	5344.0	5433.0	5889.7	7105.6	7491.2	9567.1	9697.6
32.5°	5972.8	6055.8	6026.1	5966.8	5990.5	6150.7	6577.7	7746.2	8143.6	10338.1	10800.8
35°	6690.4	6720.1	6838.7	6619.3	6625.2	6898.0	7455.6	8588.4	8974.0	11138.9	11904.0
37.5°	7734.3	7787.7	7734.3	7390.3	7336.9	7716.5	8309.7	9418.8	9697.6	11743.8	12930.1
40°	8760.4	8825.7	8914.6	8511.3	8173.2	8487.6	9116.3	10053.4	10344.1	12076.0	13612.2
42.5°	9608.6	9715.4	9620.5	9501.8	9193.4	9252.7	9679.8	10545.7	10836.4	12497.1	14300.2
45°	10326.3	10344.1	10385.6	10302.6	10148.3	10095.0	10160.2	10978.7	11299.0	12686.9	14638.3
47.5°	10622.8	10699.9	10735.5	10877.9	11038.0	10931.3	10569.5	11180.4	11471.0	12675.1	14745.1
50°	10462.7	10539.8	10729.6	11067.7	11453.2	11643.0	11049.9	11459.1	11785.4	12888.6	14964.5
52.5°	10041.6	10124.6	10433.0	10818.6	11465.1	11898.1	11726.1	12040.4	12354.8	13268.2	15332.2
55°	9021.4	9146.0	9578.9	10219.5	11109.2	11761.6	12437.8	12894.5	13238.5	13724.9	15711.8
57.5°	7538.6	7669.1	8155.4	9116.3	10450.8	11198.2	12645.4	14495.9	14650.2	14270.6	15747.4
60°	*5646.5*	*5753.3*	*6441.3*	*7212.4*	*8778.2*	*10166.1*	*12526.8*	*16014.3*	*16405.8*	*14175.7*	*14614.6*
62.5°	4472.2	4602.6	5213.6	5569.4	6690.4	8398.6	12111.6	16435.5	16773.5	13392.7	13036.9
65°	3493.5	3582.5	4151.9	4662.0	4934.8	5735.5	10379.7	14377.3	14679.8	12117.5	10759.3
67.5°	2307.3	2443.7	3119.8	3819.7	3962.1	3647.7	7141.2	11061.8	11204.1	9632.3	8090.2
70°	1654.8	1720.1	2224.2	2971.5	3185.1	2443.7	3890.9	8374.9	8416.4	6465.0	5450.8
72.5°	1126.9	1138.8	1512.5	2277.6	2538.6	1773.4	2141.2	5516.0	5373.7	3191.0	3119.8
75°	765.1	777.0	966.8	1518.4	1797.2	1233.7	1393.8	3007.1	2888.5	1761.6	1892.1
77.5°	516.0	527.9	664.3	1020.2	1198.1	854.1	1020.2	1589.6	1559.9	1168.5	1014.2
80°	391.5	409.3	492.3	652.4	836.3	498.2	581.3	753.3	765.1	622.8	516.0
82.5°	219.5	243.2	296.6	332.1	539.7	278.8	278.8	450.8	433.0	385.5	278.8
85°	94.9	100.8	118.6	124.6	219.5	118.6	100.8	195.7	201.7	189.8	89.0
87.5°	17.8	17.8	17.8	17.8	17.8	17.8	17.8	23.7	23.7	23.7	23.7
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°	4187.5	4187.5	4187.5	4187.5	4187.5	4187.5	4187.5	4187.5	4187.5	4187.5	4187.5
2.5°	4199.3	4234.9	4199.3	4181.5	4181.5	4151.9	4140.0	4140.0	4098.5	4116.3	4104.4
5°	4294.2	4306.1	4264.6	4211.2	4140.0	4080.7	3997.7	3890.9	3825.6	3819.7	3825.6
7.5°	4442.5	4448.4	4335.7	4217.1	4039.2	3825.6	3570.6	3363.0	3179.1	3149.5	3185.1
10°	4650.1	4638.2	4472.2	4193.4	3819.7	3368.9	2977.5	2787.7	2680.9	2675.0	2669.1
12.5°	4928.9	4851.8	4596.7	4092.6	3440.1	2918.2	2716.5	2704.6	2734.3	2758.0	2764.0
15°	5249.1	5148.3	4697.5	3896.8	3054.6	2752.1	2764.0	2864.8	2900.4	2924.1	2924.1
17.5°	5646.5	5516.0	4810.2	3618.1	2858.9	2787.7	2870.7	2965.6	3024.9	3048.7	3042.7
20°	6174.4	5901.6	4899.2	3351.1	2805.5	2847.0	2918.2	3013.1	3072.4	3102.0	3102.0
22.5°	6702.3	6364.2	4917.0	3167.3	2805.5	2852.9	2918.2	3013.1	3078.3	3108.0	3102.0
25°	7420.0	6957.3	4922.9	3036.8	2811.4	2823.3	2882.6	2965.6	3060.5	3090.2	3102.0
27.5°	8185.1	7609.8	4952.6	3007.1	2787.7	2781.7	2823.3	2900.4	2995.3	3072.4	3078.3
30°	9134.1	8345.2	4964.4	3036.8	2793.6	2716.5	2746.2	2823.3	2924.1	3001.2	3024.9
32.5°	10065.3	9027.3	4940.7	3102.0	2805.5	2675.0	2680.9	2728.4	2835.1	2888.5	2930.0
35°	11049.9	9751.0	4899.2	3191.0	2811.4	2657.2	2603.8	2627.5	2698.7	2704.6	2722.4
37.5°	11821.0	10290.7	4774.6	3309.6	2823.3	2592.0	2485.2	2467.4	2437.7	2378.4	2390.3
40°	12455.6	10652.5	4567.1	3368.9	2793.6	2514.8	2336.9	2253.9	2141.2	2052.2	2070.0
42.5°	12912.3	10895.7	4317.9	3380.8	2746.2	2384.4	2164.9	2022.6	1898.0	1803.1	1809.0
45°	13114.0	10872.0	4051.0	3291.8	2633.5	2224.2	2004.8	1868.3	1731.9	1631.1	1619.2
47.5°	13119.9	10640.6	3683.3	3078.3	2443.7	2040.3	1856.5	1708.2	1595.5	1524.3	1518.4
50°	13167.3	10510.2	3339.3	2769.9	2194.6	1844.6	1726.0	1577.7	1512.5	1411.6	1382.0
52.5°	13463.9	10723.7	3102.0	2431.8	1963.2	1702.3	1613.3	1482.8	1376.0	1310.8	1304.9
55°	13944.3	11091.4	2971.5	2176.8	1743.8	1565.8	1506.5	1393.8	1298.9	1233.7	1215.9
57.5°	14003.6	11281.2	2817.3	1939.5	1565.8	1459.1	1435.4	1310.8	1174.4	1126.9	1109.1
60°	*13173.3*	*10960.9*	*2627.5*	*1720.1*	*1435.4*	*1376.0*	*1364.2*	*1198.1*	*1085.4*	*1026.1*	*1002.4*
62.5°	12040.4	10160.2	2336.9	1518.4	1334.5	1293.0	1245.6	1115.1	972.7	907.5	889.7
65°	9839.9	8541.0	1987.0	1382.0	1233.7	1186.2	1174.4	996.4	901.5	866.0	860.0
67.5°	7455.6	6862.4	1749.7	1281.1	1126.9	1109.1	1067.6	1008.3	966.8	925.3	913.4
70°	5272.9	4952.6	1488.7	1150.7	1020.2	990.5	1162.5	1097.3	949.0	895.6	889.7
72.5°	3196.9	3108.0	1287.1	1032.0	877.8	925.3	1073.6	990.5	854.1	788.9	765.1
75°	2016.6	1844.6	1079.5	877.8	699.9	753.3	937.1	883.8	735.5	670.2	652.4
77.5°	1097.3	1020.2	812.6	717.7	551.6	610.9	818.5	729.5	587.2	640.6	569.4
80°	480.4	533.8	539.7	415.2	367.7	450.8	587.2	569.4	450.8	456.7	379.6
82.5°	231.3	302.5	349.9	284.7	207.6	266.9	391.5	326.2	302.5	284.7	272.8
85°	71.2	112.7	154.2	136.4	94.9	112.7	183.9	177.9	213.5	183.9	172.0
87.5°	23.7	23.7	17.8	17.8	17.8	23.7	29.7	17.8	5.9	5.9	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°	4187.5	4187.5	4187.5	4187.5	4187.5	4187.5	4187.5	4187.5	4187.5	4187.5	4187.5
2.5°	4098.5	4104.4	4104.4	4110.3	4110.3	4128.1	4151.9	4175.6	4157.8	4181.5	4187.5
5°	3813.8	3843.4	3867.2	3956.1	4027.3	4086.6	4151.9	4211.2	4229.0	4240.8	4270.5
7.5°	3143.6	3226.6	3380.8	3582.5	3807.9	4027.3	4175.6	4329.8	4353.5	4383.2	4424.7
10°	2675.0	2710.6	2817.3	3024.9	3428.3	3861.2	4223.0	4466.2	4567.1	4626.4	4667.9
12.5°	2752.1	2728.4	2710.6	2740.2	3001.2	3558.7	4193.4	4662.0	4851.8	4917.0	4970.4
15°	2936.0	2912.2	2847.0	2764.0	2793.6	3238.5	4092.6	4845.8	5148.3	5255.1	5367.8
17.5°	3042.7	3019.0	2965.6	2876.6	2799.5	2971.5	3902.8	5011.9	5616.9	5747.4	5907.5
20°	3102.0	3078.3	3024.9	2936.0	2847.0	2870.7	3659.6	5219.5	6150.7	6358.3	6595.5
22.5°	3113.9	3084.2	3024.9	2936.0	2882.6	2864.8	3428.3	5344.0	6726.0	7046.3	7319.1
25°	3108.0	3054.6	2977.5	2912.2	2882.6	2876.6	3268.1	5415.2	7348.8	7858.9	8167.3
27.5°	3066.4	3001.2	2924.1	2876.6	2864.8	2900.4	3196.9	5498.3	8078.3	8730.8	9223.1
30°	3019.0	2924.1	2829.2	2811.4	2841.1	2953.8	3256.2	5527.9	8843.5	9679.8	10183.9
32.5°	2894.4	2823.3	2728.4	2722.4	2793.6	2995.3	3392.7	5486.4	9519.6	10628.8	11263.4
35°	2716.5	2675.0	2621.6	2639.4	2752.1	3030.9	3487.6	5355.9	10136.5	11512.5	12253.9
37.5°	2402.2	2431.8	2461.5	2503.0	2645.3	3024.9	3529.1	5148.3	10646.6	12218.3	13167.3
40°	2052.2	2153.0	2247.9	2354.7	2544.5	2977.5	3540.9	4893.3	10943.1	12752.2	13979.9
42.5°	1832.8	1927.7	2046.3	2200.5	2408.1	2870.7	3529.1	4608.6	11038.0	13119.9	14495.9
45°	1631.1	1743.8	1892.1	2052.2	2289.5	2716.5	3422.3	4300.1	11085.5	13291.9	14715.4
47.5°	1524.3	1589.6	1726.0	1886.1	2135.2	2526.7	3214.7	4074.8	11014.3	13327.5	14982.3
50°	1399.8	1488.7	1577.7	1731.9	1975.1	2289.5	2965.6	3944.3	11132.9	13677.4	15403.4
52.5°	1304.9	1352.3	1447.2	1589.6	1767.5	2070.0	2728.4	3837.5	11459.1	14033.3	15842.3
55°	1233.7	1287.1	1346.4	1465.0	1601.4	1850.5	2485.2	3677.4	11838.7	14412.9	16281.2
57.5°	1121.0	1156.6	1239.6	1364.2	1453.2	1637.0	2200.5	3487.6	11809.1	14116.3	15522.0
60°	*1020.2*	*1055.8*	*1144.7*	*1269.3*	*1322.7*	*1447.2*	*1921.7*	*3244.4*	*11239.7*	*13149.6*	*14122.3*
62.5°	907.5	949.0	1055.8	1144.7	1192.2	1287.1	1631.1	2799.5	10053.4	11696.4	12485.3
65°	860.0	883.8	954.9	1061.7	1055.8	1144.7	1376.0	2200.5	8090.2	8938.4	9656.1
67.5°	913.4	949.0	937.1	966.8	949.0	996.4	1233.7	1767.5	6358.3	6732.0	7147.1
70°	901.5	984.6	1026.1	966.8	830.4	883.8	1067.6	1411.6	4549.3	4513.7	4495.9
72.5°	788.9	871.9	990.5	1049.8	812.6	735.5	925.3	1221.8	2918.2	2906.3	2627.5
75°	670.2	729.5	871.9	949.0	699.9	593.1	794.8	1038.0	1743.8	1767.5	1577.7
77.5°	616.8	587.2	729.5	836.3	569.4	456.7	640.6	782.9	960.9	972.7	901.5
80°	444.8	427.0	545.7	610.9	433.0	326.2	361.8	486.4	516.0	462.6	480.4
82.5°	284.7	290.6	326.2	391.5	266.9	177.9	249.1	326.2	278.8	225.4	266.9
85°	183.9	207.6	172.0	201.7	83.0	83.0	106.8	142.3	94.9	65.2	71.2
87.5°	0.0	0.0	11.9	23.7	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: P1501417
CATALOG NUMBER: GSS-SB6A-730-U-T2LG

CANDELA DISTRIBUTION (continued):

	285°	293°	295°	305°	315°	325°	335°	345°	355°	360°
0°	4187.5	4187.5	*4187.5*	4187.5	4187.5	4187.5	4187.5	4187.5	4187.5	4187.5
2.5°	4205.2	4199.3	*4199.3*	4211.2	4240.8	4252.7	4270.5	4264.6	4282.4	4270.5
5°	4288.3	4294.2	*4312.0*	4317.9	4335.7	4359.5	4365.4	4359.5	4371.3	4371.3
7.5°	4454.4	4478.1	*4466.2*	4495.9	4472.2	4442.5	4395.0	4359.5	4329.8	4341.7
10°	4733.1	4721.3	*4715.3*	4662.0	4555.2	4401.0	4276.4	4140.0	4116.3	4092.6
12.5°	5041.6	5029.7	*5029.7*	4845.8	4543.3	4223.0	3938.3	3724.8	3653.6	3647.7
15°	5474.5	5397.4	*5326.2*	4940.7	4335.7	3790.1	3457.9	3291.8	3250.3	3250.3
17.5°	6014.3	5812.6	*5694.0*	4869.5	3997.7	3505.4	3309.6	3268.1	3256.2	3285.9
20°	6684.5	6174.4	*6002.4*	4709.4	3873.1	3540.9	3446.0	3452.0	3457.9	3499.4
22.5°	7420.0	6506.6	*6221.9*	4709.4	3997.7	3766.3	3718.9	3784.1	3801.9	3837.5
25°	8238.5	6803.1	*6417.6*	4958.5	4365.4	4193.4	4134.1	4199.3	4246.8	4306.1
27.5°	9157.8	7111.6	*6755.7*	5409.3	4839.9	4733.1	4667.9	4697.5	4762.8	4834.0
30°	9982.3	7627.6	*7271.7*	6097.3	5486.4	5355.9	5243.2	5290.7	5361.8	5409.3
32.5°	10711.8	8256.3	*7953.8*	6820.9	6227.8	6002.4	5877.9	5866.0	6008.3	5972.8
35°	11382.0	8997.7	*8707.1*	7645.4	6981.1	6702.3	6536.2	6749.7	6654.8	6690.4
37.5°	11909.9	9768.7	*9537.4*	8434.2	7764.0	7384.4	7283.6	7544.5	7692.8	7734.3
40°	12342.9	10439.0	*10195.8*	9217.1	8481.7	8202.9	8363.0	8796.0	8778.2	8760.4
42.5°	12675.1	11014.3	*10747.4*	9810.3	9169.7	9223.1	9347.6	9638.3	9709.4	9608.6
45°	12823.3	11376.1	*11162.6*	10278.8	9952.6	10261.0	10314.4	10439.0	10391.5	10326.3
47.5°	12995.3	11696.4	*11471.0*	10705.9	10800.8	11103.3	10996.5	10895.7	10723.7	10622.8
50°	13286.0	12076.0	*11886.2*	11328.7	11672.7	11571.8	11156.7	10931.3	10581.3	10462.7
52.5°	13837.6	12793.7	*12651.3*	12313.2	12081.9	11500.7	10996.5	10593.2	10201.7	10041.6
55°	14329.9	13766.4	*13683.4*	13232.6	11957.4	11127.0	10450.8	9828.1	9157.8	9021.4
57.5°	14614.6	15379.7	*15474.6*	13624.0	11388.0	10278.8	9282.4	8285.9	7651.3	7538.6
60°	*13766.4*	*17123.5*	*17170.9*	*13546.9*	*10361.9*	*8748.6*	*7230.2*	*6524.4*	*5842.3*	*5646.5*
62.5°	12597.9	16761.7	*16720.2*	13084.3	8250.3	6382.0	5492.3	5160.2	4632.3	4472.2
65°	10830.4	13962.1	*14009.6*	11304.9	5486.4	4614.5	4614.5	4193.4	3606.2	3493.5
67.5°	8825.7	10765.2	*10658.4*	7331.0	3368.9	3695.2	3873.1	3268.1	2443.7	2307.3
70°	5735.5	8220.7	*8072.4*	4229.0	2117.5	3078.3	3048.7	2455.5	1749.7	1654.8
72.5°	2467.4	4750.9	*5053.4*	2159.0	1595.5	2479.3	2431.8	1720.1	1168.5	1126.9
75°	1488.7	2390.3	*2603.8*	1376.0	1162.5	1868.3	1684.5	1091.3	794.8	765.1
77.5°	943.1	1310.8	*1298.9*	1032.0	871.9	1263.4	1132.9	753.3	539.7	516.0
80°	545.7	646.5	*670.2*	646.5	587.2	901.5	723.6	545.7	421.1	391.5
82.5°	349.9	403.3	*409.3*	314.4	326.2	581.3	391.5	320.3	243.2	219.5
85°	154.2	172.0	*166.1*	106.8	106.8	237.2	136.4	130.5	94.9	94.9
87.5°	5.9	11.9	*5.9*	5.9	5.9	23.7	11.9	17.8	17.8	17.8
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

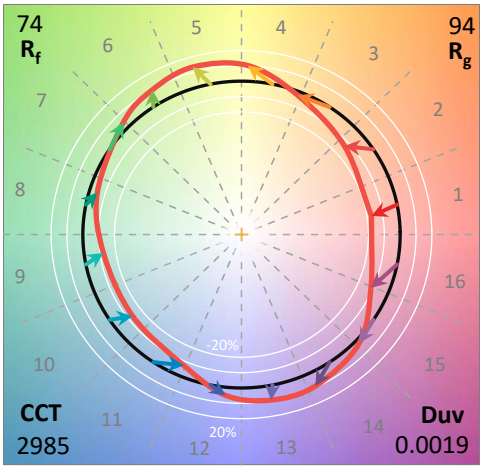
Test Information

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

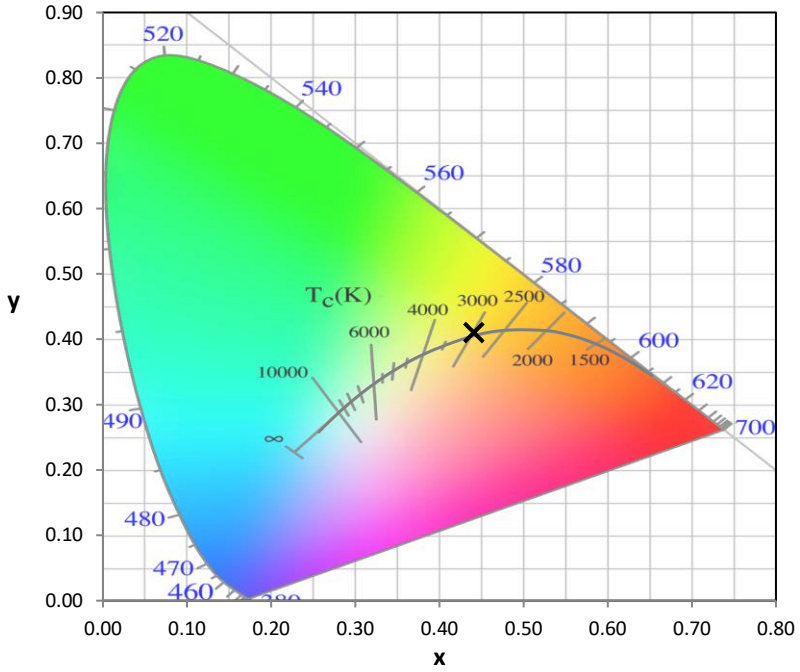
Stabilization Time:	36M
Operation Time:	1H 36M
Sphere Temperature (°C):	25.2

REPORT NUMBER: SP1-2407-184-4

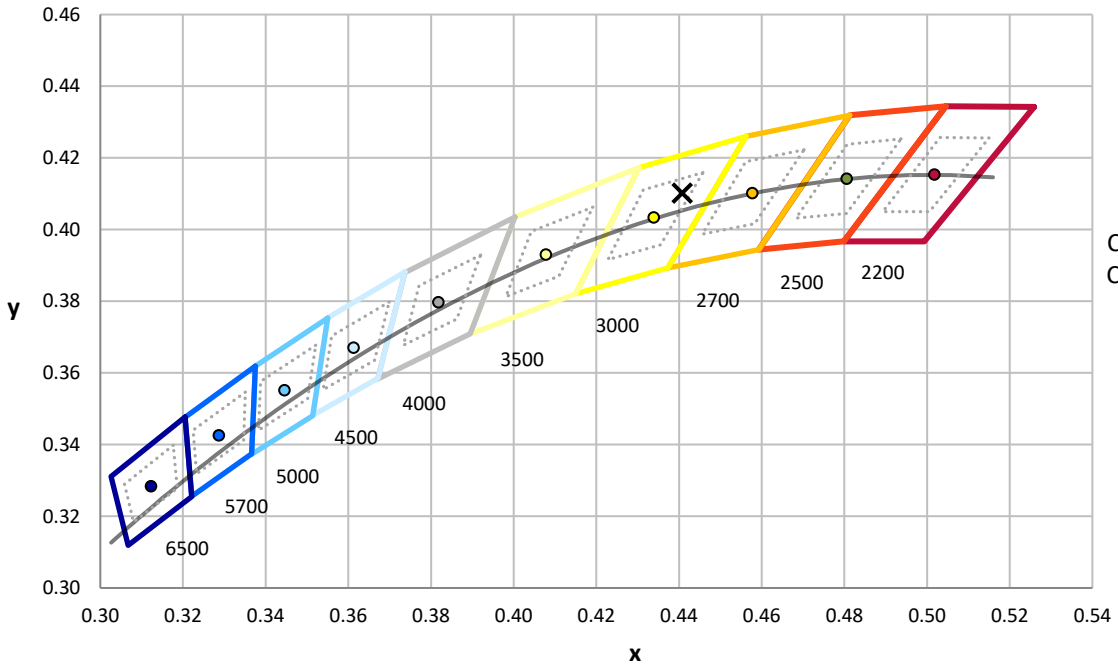
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

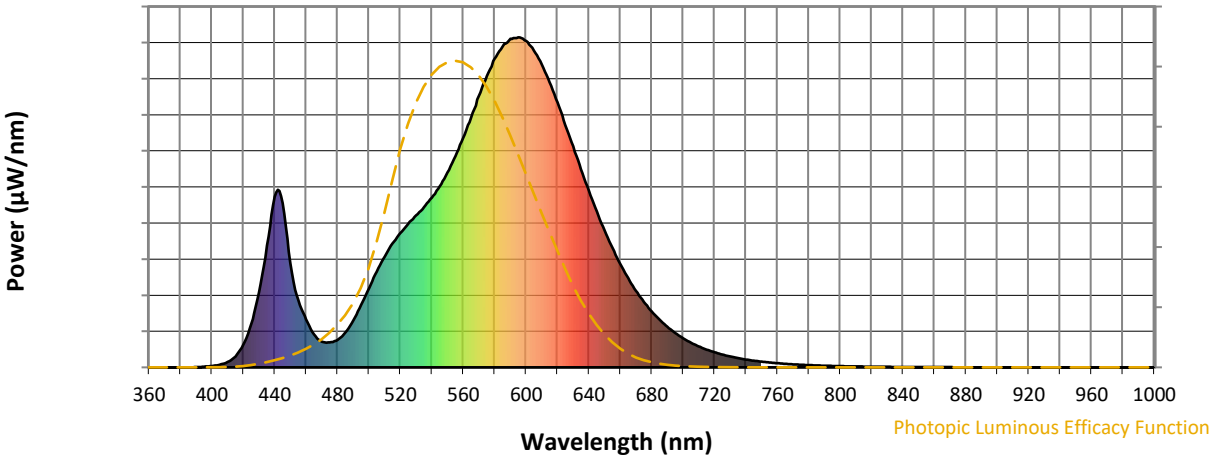


CCT = 2985K
CIE x = 0.4408
CIE y = 0.4101
Duv = 0.0019

Point lies inside the ANSI 3000K 4-step quadrangle

REPORT NUMBER: SP1-2407-184-4

Photopic Flux vs. Wavelength

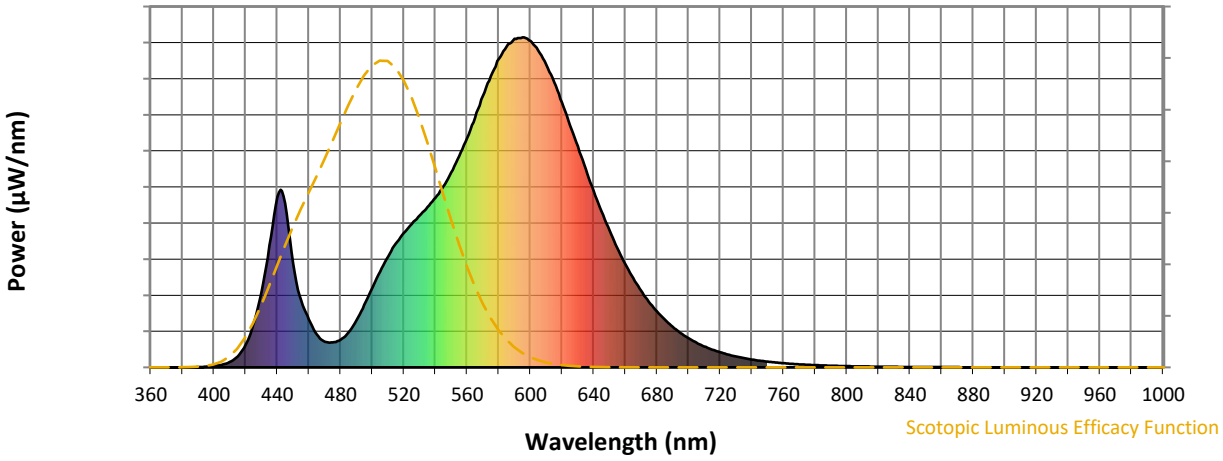


Photopic Lumens: NR

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

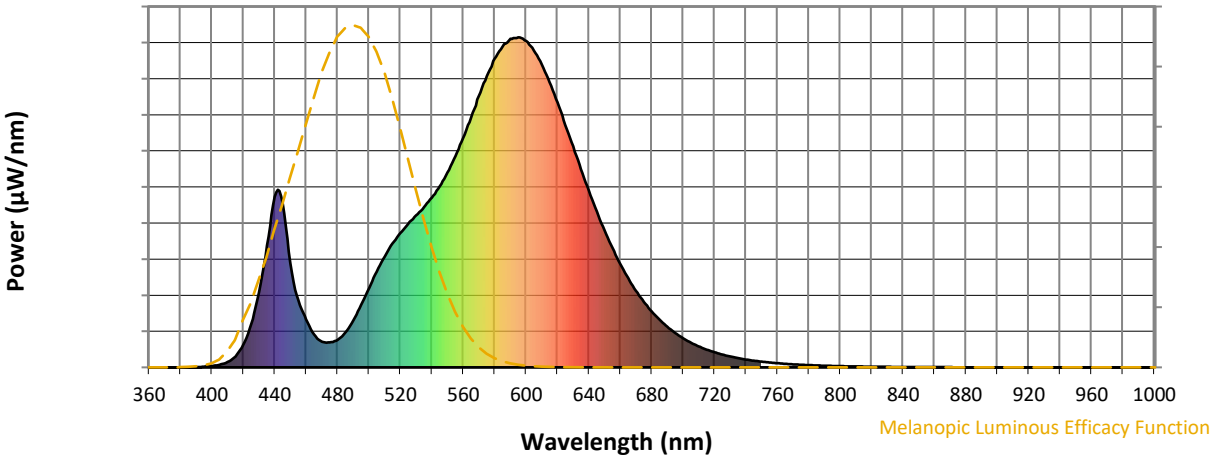


Scotopic Lumens: NR **S/P: 1.19**

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			

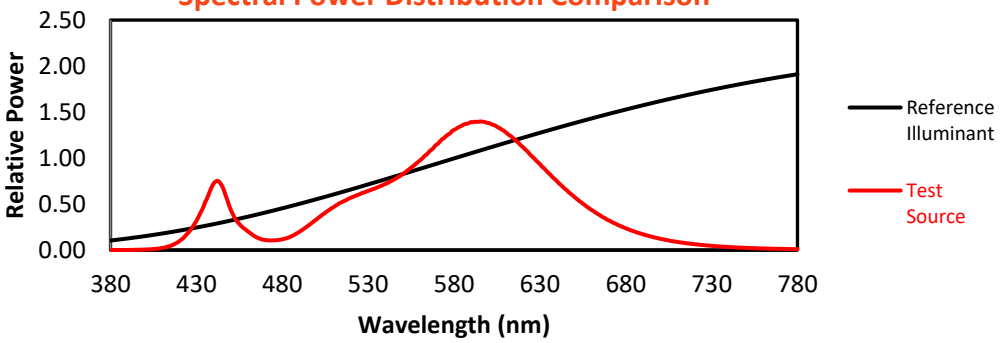
REPORT NUMBER: SP1-2407-184-4

TM-30-18

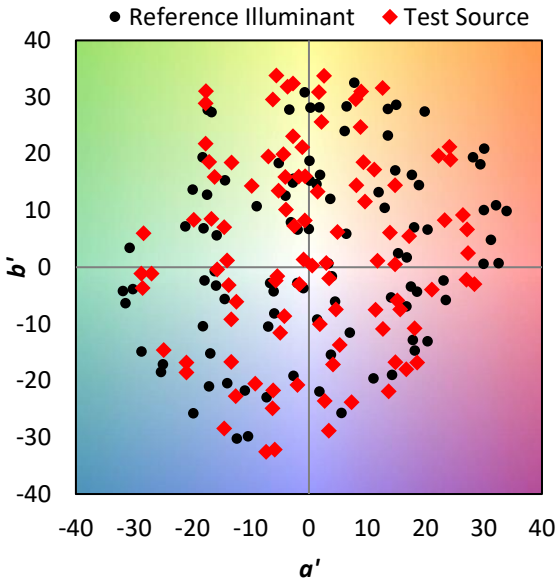
Summary

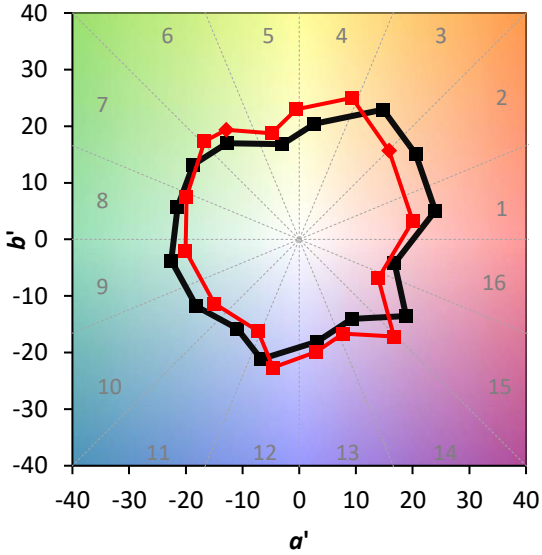
R_f = 73.8
R_g = 94.4
CIE R_a = 70.8
R_9 = -43.2

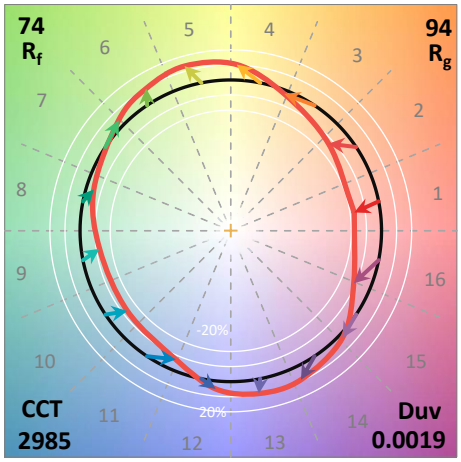
Spectral Power Distribution Comparison

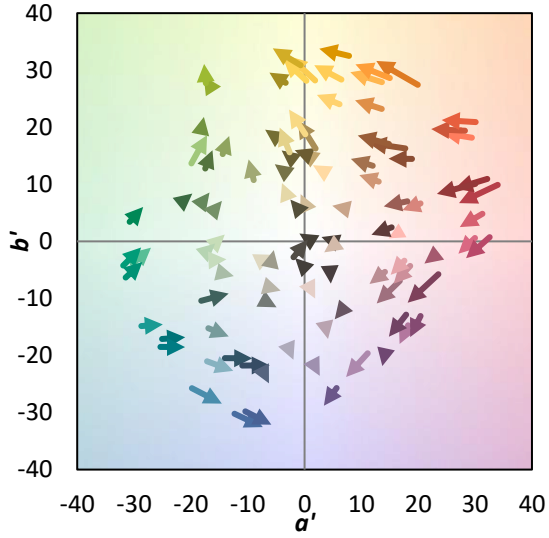


Color Vector Graphics







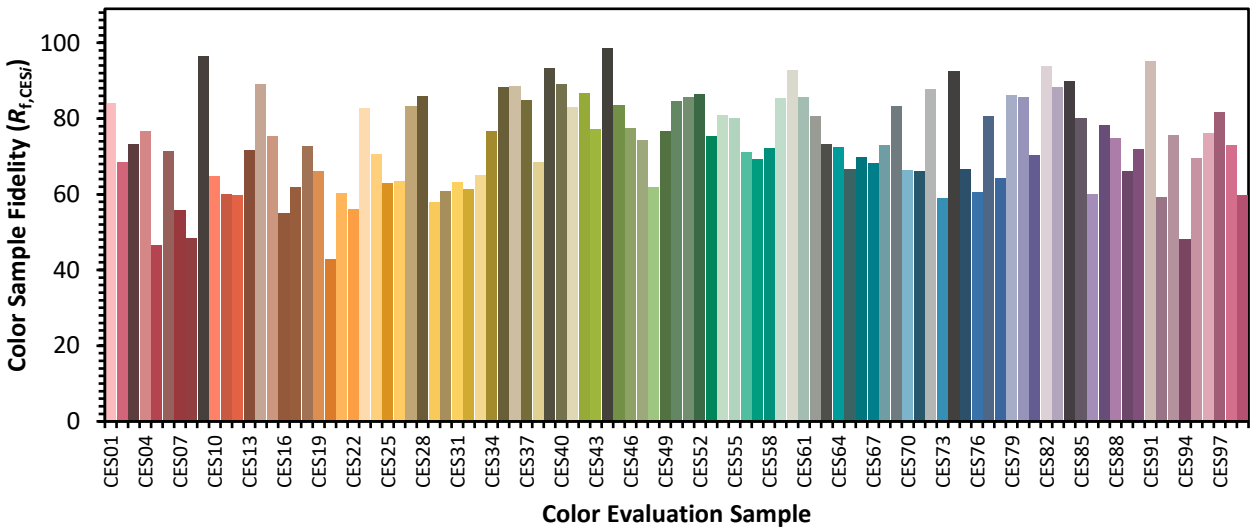


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Individual Sample Fidelity Index ($R_{f,i}$)

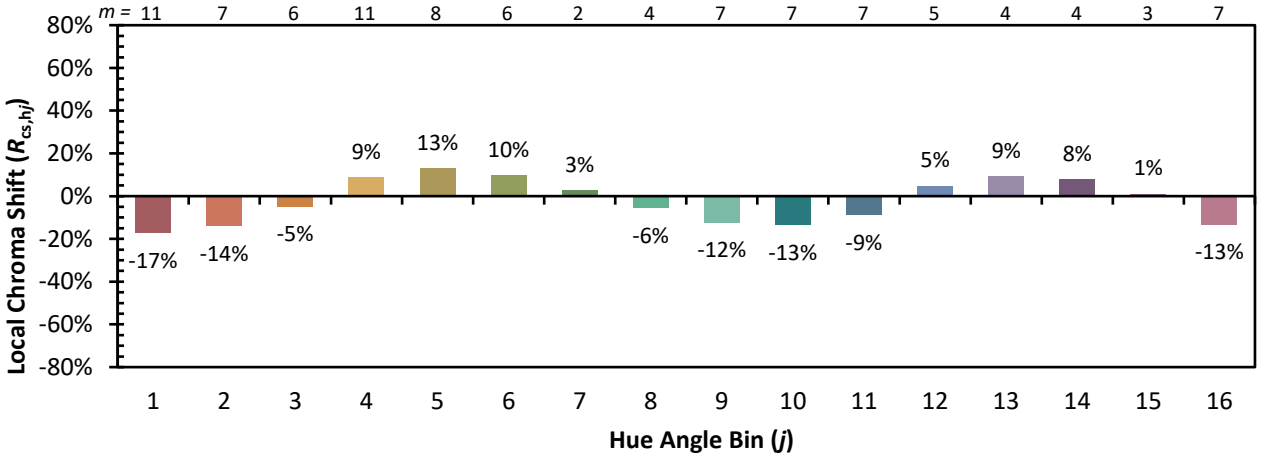
CES01 = 86	CES26 = 63	CES51 = 86	CES76 = 61
CES02 = 62	CES27 = 83	CES52 = 86	CES77 = 81
CES03 = 31	CES28 = 86	CES53 = 75	CES78 = 64
CES04 = 71	CES29 = 58	CES54 = 81	CES79 = 86
CES05 = 49	CES30 = 61	CES55 = 80	CES80 = 86
CES06 = 51	CES31 = 63	CES56 = 71	CES81 = 70
CES07 = 41	CES32 = 61	CES57 = 69	CES82 = 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	

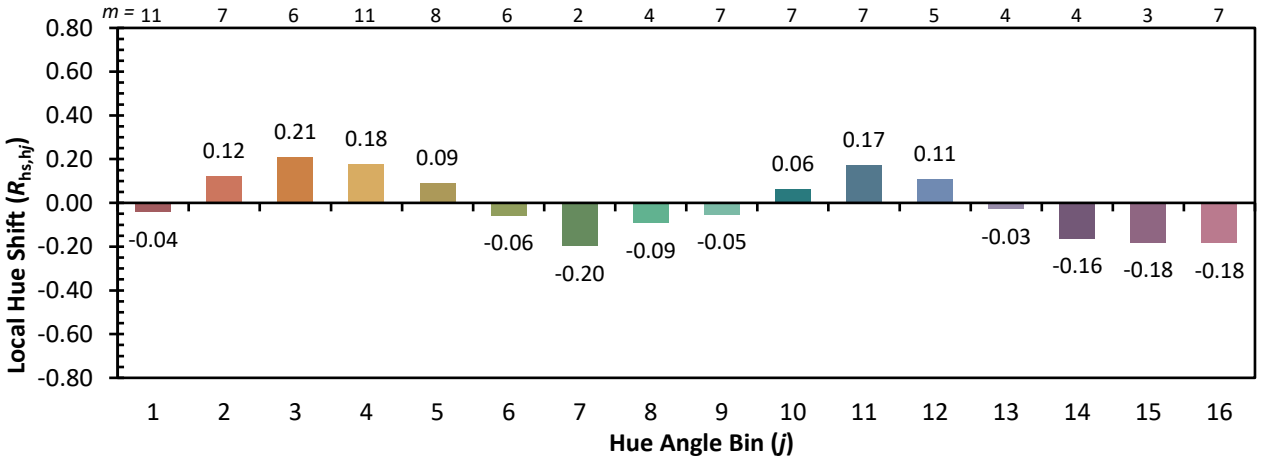


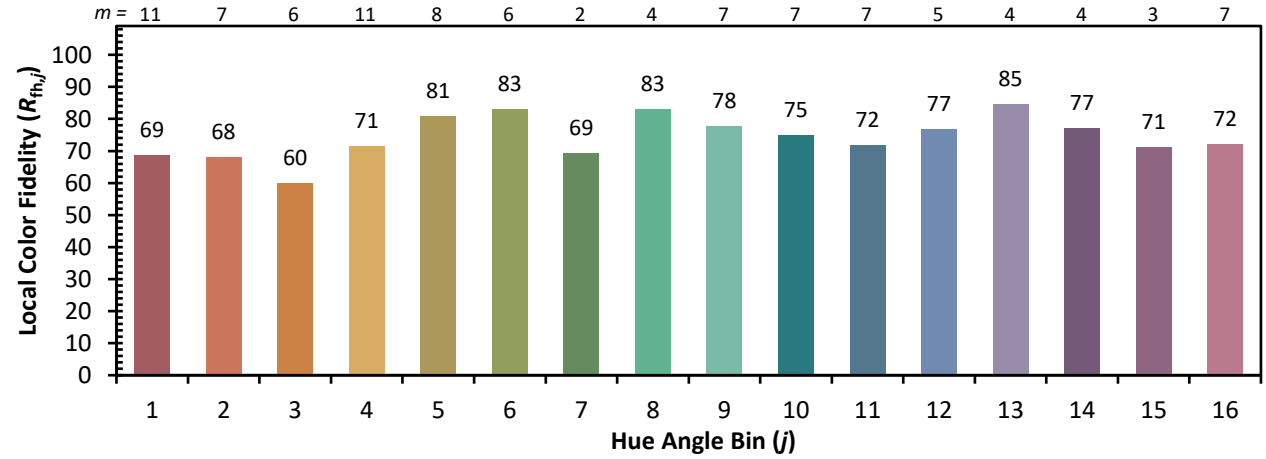
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Color Rendition by Hue-Angle Bin



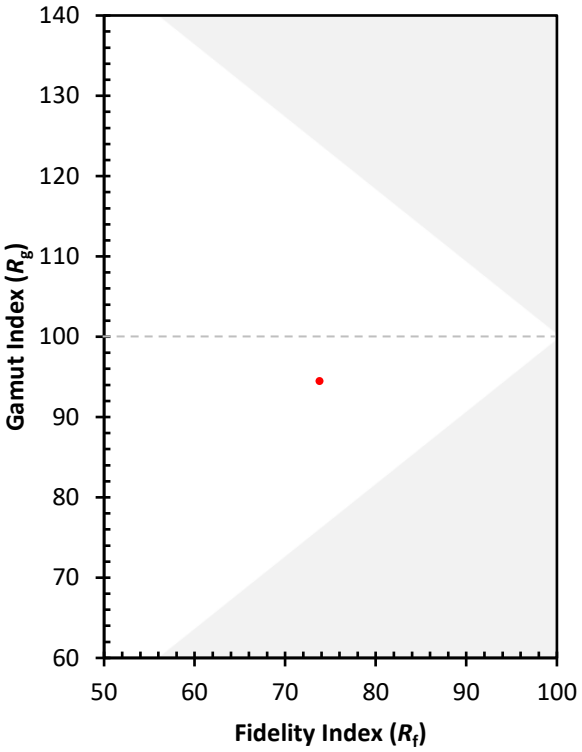


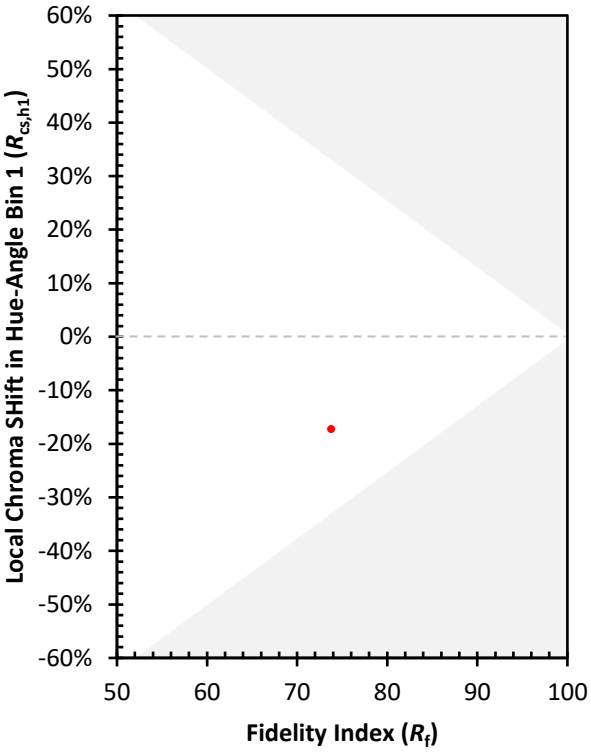


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Measure Comparisons





(END OF REPORT)