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: P1501408

Luminaire Tested: GSS-SB3D-730-U-T2LG

Issue Date: 07/20/2026

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Scaled Data Report

Test Information

Test Method:	LM-79-2024
Report Number:	P1501408
Test Lab:	INNOVATION CENTER(G1)
Issue Date:	7/20/2026
Manufacturer:	COOPER LIGHTING SOLUTIONS
Product Line:	McGRAW-EDISON
Catalog Number:	GSS-SB3D-730-U-T2LG
Description:	GALLEON II SLIM SITE HIGH DENSITY LED ARRAYS 3SQUARE 219W 70CRI 3000K FIXTURE w/ TYPE II LOW GLARE DISTRIBUTION FIXTURE
Light Source:	(78) 3000K CCT, 70 CRI LEDS
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	28500.9 lumens
Efficiency:	N/A
Efficacy:	130.1 lumens/watt
Luminous Opening:	Rectangular (W 1.5' x L: 0.5' x H: 0')
IES Classification:	Type II - Short
BUG Rating:	B3 - U0 - G3

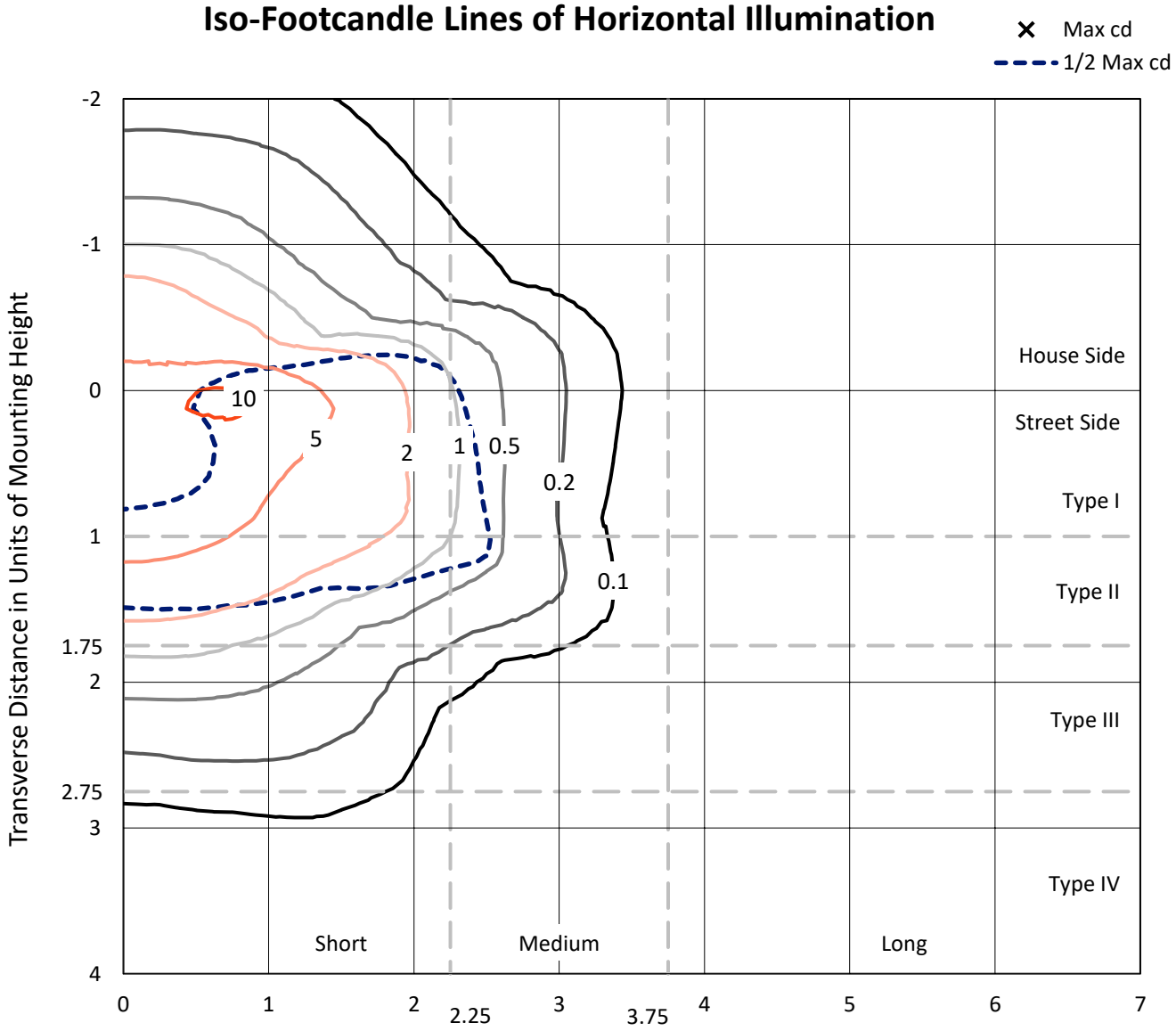
Input Watts (W):	219
Input Voltage (V):	120
Input Current (Ain):	NR
Voltage Rise (V):	NR
Power Factor:	0.98
Total Harmonic Distortion (THDi):	2.5%
Frequency (hertz):	60
Stabilization Time:	NR
Operation Time:	NR
Ambient Temperature (°C):	NR
Test Distance:	28.75 FT

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Iso-Footcandle Lines of Horizontal Illumination



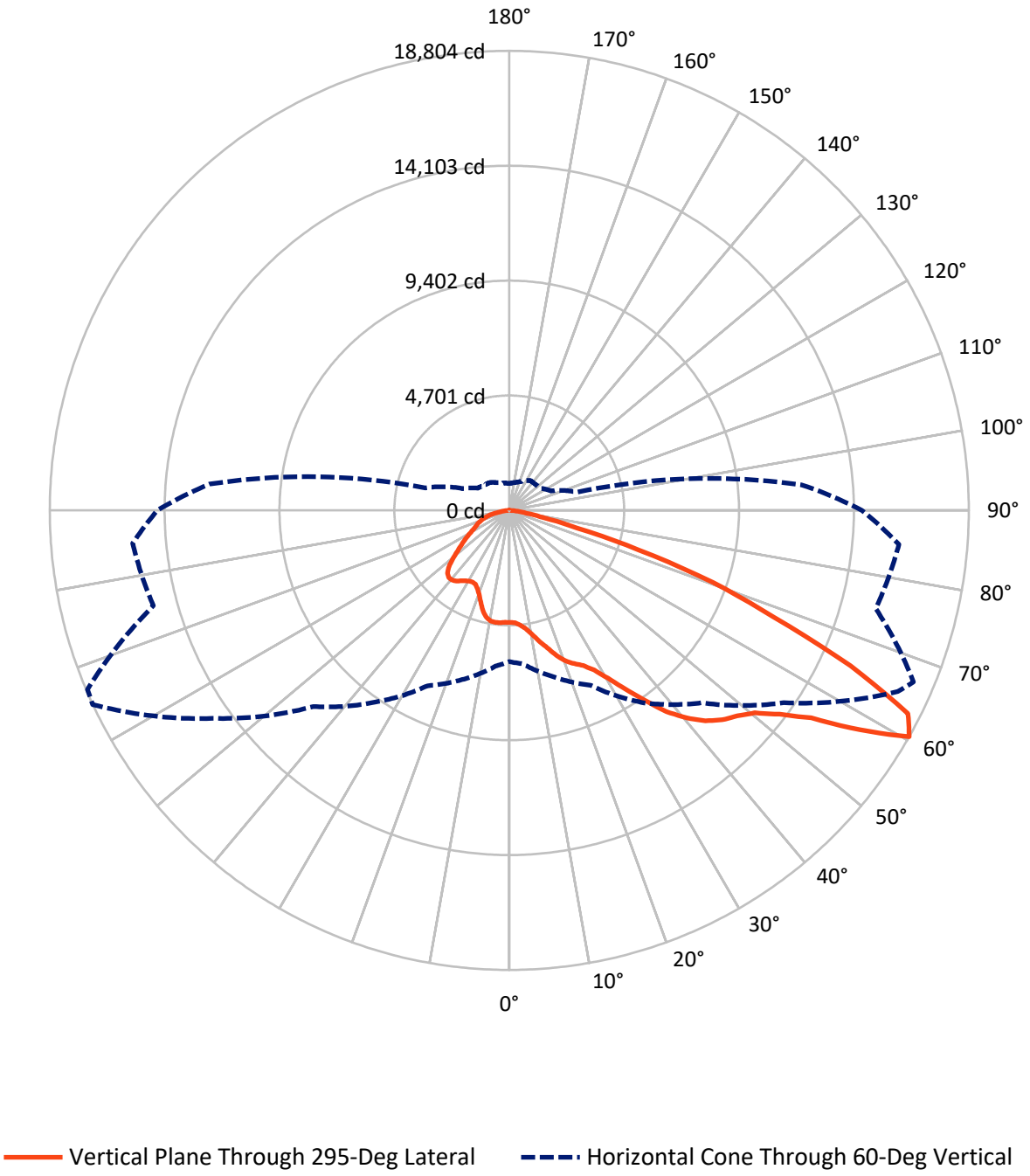
Based on 25 foot mounting height. Maximum calculated value = 11 fc
Type II - Short - N/A

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Luminous Intensity Polar Plot



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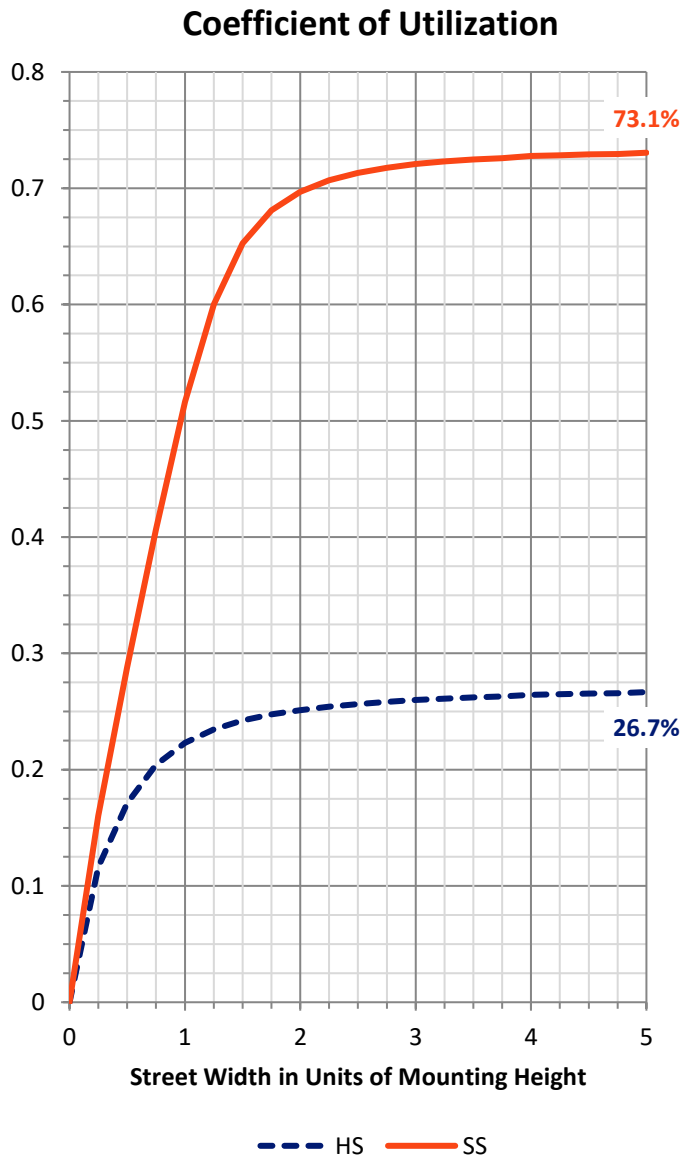
REPORT NUMBER: P1501408
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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	7664.2	0.0	7664.2
	% Fixture	26.9	0.0	26.9
Street Side	Lumens	20836.7	0.0	20836.7
	% Fixture	73.1	0.0	73.1
Total	Lumens	28500.9	0.0	28500.9
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	431.2	1.5
10°-20°	1239.4	4.3
20°-30°	2347.7	8.2
30°-40°	4138.9	14.5
40°-50°	6121.0	21.5
50°-60°	7187.7	25.2
60°-70°	5207.8	18.3
70°-80°	1606.0	5.6
80°-90°	221.1	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°	28500.9	100.0
0°-180°	28500.9	100.0



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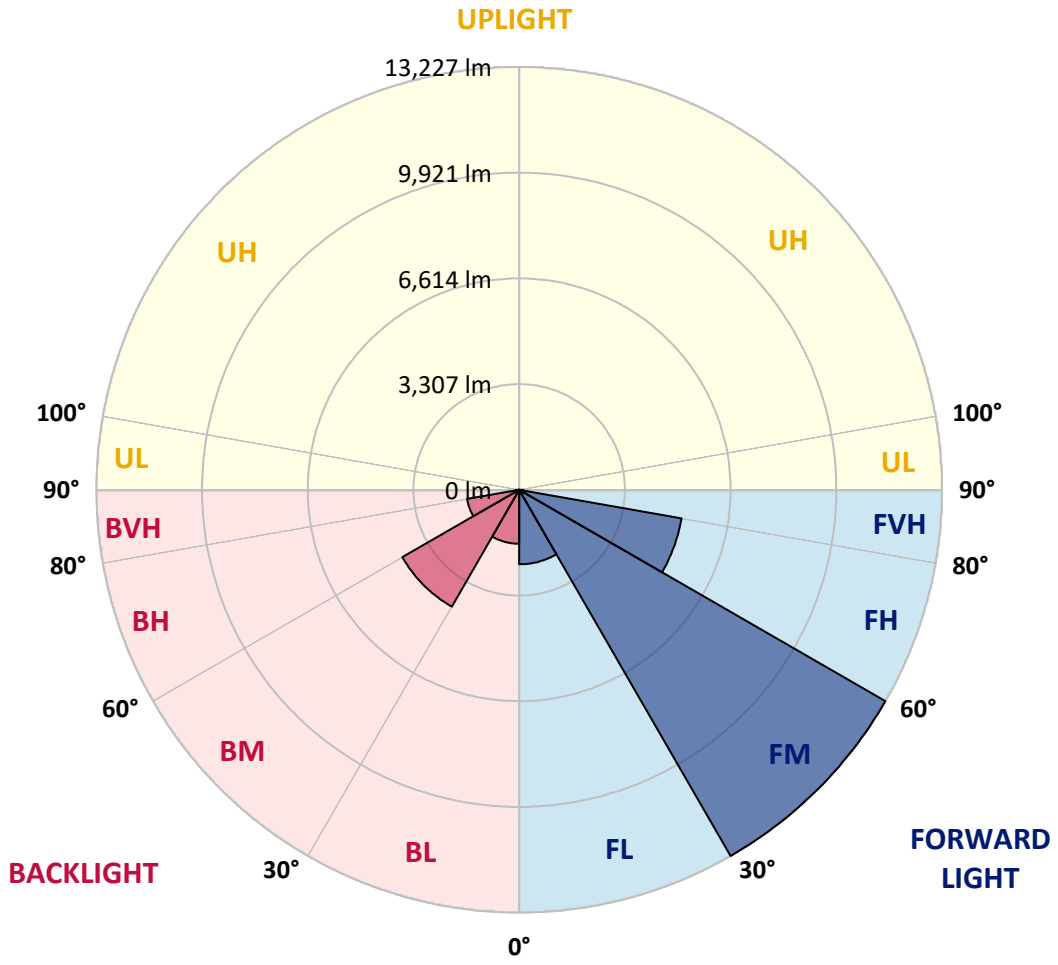
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	2330.4	8.2			
FM	(30°-60°)	13227.4	46.4			
FH	(60°-80°)	5159.5	18.1			G3/7500
FVH	(80°-90°)	119.3	0.4			G2/225
BL	(0°-30°)	1687.9	5.9	B3/2500		
BM	(30°-60°)	4220.2	14.8	B3/5000		
BH	(60°-80°)	1654.3	5.8	B3/2500		G3/2500
BVH	(80°-90°)	101.8	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°	4585.7	4585.7	4585.7	4585.7	4585.7	4585.7	4585.7	4585.7	4585.7	4585.7	4585.7
2.5°	4676.6	4689.6	4670.1	4683.1	4683.1	4663.6	4657.1	4631.1	4644.1	4637.6	4631.1
5°	4787.0	4793.5	4780.5	4800.0	4800.0	4806.5	4800.0	4767.5	4767.5	4767.5	4754.5
7.5°	4754.5	4754.5	4761.0	4826.0	4890.9	4975.4	4975.4	4962.4	4975.4	4968.9	4910.4
10°	4481.7	4507.7	4566.2	4728.6	4884.4	5066.3	5189.7	5228.7	5228.7	5235.2	5137.8
12.5°	3994.6	4014.1	4150.5	4397.3	4722.1	5053.3	5352.1	5547.0	5566.4	5598.9	5469.0
15°	3559.4	3572.4	3669.8	3923.1	4293.4	4877.9	5443.0	5845.7	5910.7	6047.1	5852.2
17.5°	3598.4	3591.9	3617.9	3715.3	3981.6	4592.2	5423.6	6196.5	6313.4	6553.7	6384.9
20°	3832.2	3832.2	3851.7	3871.2	3968.6	4384.3	5280.7	6482.3	6709.6	7177.3	6982.4
22.5°	4202.4	4202.4	4195.9	4228.4	4228.4	4475.2	5287.2	6696.6	7034.4	7872.3	7683.9
25°	4715.6	4689.6	4689.6	4702.6	4644.1	4819.5	5449.5	6917.5	7359.1	8697.2	8534.8
27.5°	5293.6	5313.1	5300.1	5254.7	5176.7	5313.1	5839.2	7261.7	7722.9	9567.5	9502.6
30°	5923.7	5930.2	5943.2	5917.2	5852.2	5949.7	6449.8	7781.3	8203.5	10476.9	10619.8
32.5°	6540.7	6631.7	6599.2	6534.2	6560.2	6735.6	7203.3	8482.8	8918.0	11321.3	11827.9
35°	7326.7	7359.1	7489.0	7248.7	7255.2	7554.0	8164.6	9405.2	9827.3	12198.1	13036.0
37.5°	8469.8	8528.3	8469.8	8093.1	8034.6	8450.3	9099.9	10314.5	10619.8	12860.6	14159.7
40°	9593.5	9665.0	9762.4	9320.7	8950.5	9294.7	9983.2	11009.5	11327.8	13224.4	14906.6
42.5°	10522.3	10639.3	10535.3	10405.4	10067.7	10132.6	10600.3	11548.6	11866.9	13685.5	15660.1
45°	11308.3	11327.8	11373.2	11282.3	11113.4	11055.0	11126.4	12022.7	12373.5	13893.4	16030.3
47.5°	11633.0	11717.5	11756.4	11912.3	12087.7	11970.8	11574.6	12243.6	12561.9	13880.4	16147.2
50°	11457.7	11542.1	11749.9	12120.2	12542.4	12750.2	12100.7	12548.9	12906.1	14114.2	16387.6
52.5°	10996.5	11087.4	11425.2	11847.4	12555.4	13029.5	12841.1	13185.4	13529.6	14529.9	16790.3
55°	9879.3	10015.7	10489.9	11191.4	12165.6	12880.1	13620.6	14120.7	14497.4	15030.1	17206.0
57.5°	8255.5	8398.4	8931.0	9983.2	11444.7	12263.1	13847.9	15874.4	16043.3	15627.6	17244.9
60°	*6183.5*	*6300.4*	*7053.9*	*7898.2*	*9613.0*	*11132.9*	*13718.0*	*17537.2*	*17965.9*	*15523.7*	*16004.3*
62.5°	4897.4	5040.3	5709.3	6099.1	7326.7	9197.3	13263.3	17998.4	18368.6	14666.3	14276.6
65°	3825.7	3923.1	4546.7	5105.3	5404.1	6280.9	11366.7	15744.5	16075.8	13269.8	11782.4
67.5°	2526.7	2676.1	3416.5	4183.0	4338.8	3994.6	7820.3	12113.7	12269.6	10548.3	8859.5
70°	1812.2	1883.6	2435.7	3254.1	3488.0	2676.1	4260.9	9171.3	9216.8	7079.8	5969.2
72.5°	1234.1	1247.1	1656.3	2494.2	2780.0	1942.1	2344.8	6040.6	5884.7	3494.5	3416.5
75°	837.9	850.9	1058.7	1662.8	1968.1	1351.0	1526.4	3293.1	3163.2	1929.1	2072.0
77.5°	565.1	578.1	727.5	1117.2	1312.0	935.3	1117.2	1740.7	1708.3	1279.6	1110.7
80°	428.7	448.2	539.1	714.5	915.8	545.6	636.5	824.9	837.9	682.0	565.1
82.5°	240.3	266.3	324.8	363.7	591.1	305.3	305.3	493.6	474.2	422.2	305.3
85°	103.9	110.4	129.9	136.4	240.3	129.9	110.4	214.3	220.8	207.8	97.4
87.5°	19.5	19.5	19.5	19.5	19.5	19.5	19.5	26.0	26.0	26.0	26.0
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):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	4585.7	4585.7	4585.7	4585.7	4585.7	4585.7	4585.7	4585.7	4585.7	4585.7	4585.7
2.5°	4598.7	4637.6	4598.7	4579.2	4579.2	4546.7	4533.7	4533.7	4488.2	4507.7	4494.7
5°	4702.6	4715.6	4670.1	4611.6	4533.7	4468.7	4377.8	4260.9	4189.4	4183.0	4189.4
7.5°	4865.0	4871.5	4748.0	4618.1	4423.3	4189.4	3910.2	3682.8	3481.5	3449.0	3488.0
10°	5092.3	5079.3	4897.4	4592.2	4183.0	3689.3	3260.6	3052.8	2935.9	2929.4	2922.9
12.5°	5397.6	5313.1	5033.8	4481.7	3767.3	3195.7	2974.8	2961.8	2994.3	3020.3	3026.8
15°	5748.3	5637.9	5144.3	4267.4	3345.1	3013.8	3026.8	3137.2	3176.2	3202.2	3202.2
17.5°	6183.5	6040.6	5267.7	3962.1	3130.7	3052.8	3143.7	3247.6	3312.6	3338.6	3332.1
20°	6761.6	6462.8	5365.1	3669.8	3072.3	3117.7	3195.7	3299.6	3364.6	3397.0	3397.0
22.5°	7339.7	6969.4	5384.6	3468.5	3072.3	3124.2	3195.7	3299.6	3371.0	3403.5	3397.0
25°	8125.6	7619.0	5391.1	3325.6	3078.8	3091.7	3156.7	3247.6	3351.6	3384.0	3397.0
27.5°	8963.5	8333.4	5423.6	3293.1	3052.8	3046.3	3091.7	3176.2	3280.1	3364.6	3371.0
30°	10002.7	9138.8	5436.5	3325.6	3059.3	2974.8	3007.3	3091.7	3202.2	3286.6	3312.6
32.5°	11022.5	9885.8	5410.6	3397.0	3072.3	2929.4	2935.9	2987.8	3104.7	3163.2	3208.7
35°	12100.7	10678.2	5365.1	3494.5	3078.8	2909.9	2851.4	2877.4	2955.3	2961.8	2981.3
37.5°	12945.1	11269.3	5228.7	3624.4	3091.7	2838.4	2721.5	2702.0	2669.6	2604.6	2617.6
40°	13640.1	11665.5	5001.4	3689.3	3059.3	2754.0	2559.1	2468.2	2344.8	2247.4	2266.8
42.5°	14140.2	11931.8	4728.6	3702.3	3007.3	2611.1	2370.8	2214.9	2078.5	1974.6	1981.1
45°	14361.0	11905.8	4436.3	3604.9	2883.9	2435.7	2195.4	2046.0	1896.6	1786.2	1773.2
47.5°	14367.5	11652.5	4033.6	3371.0	2676.1	2234.4	2033.0	1870.6	1747.2	1669.3	1662.8
50°	14419.5	11509.6	3656.8	3033.3	2403.3	2020.0	1890.1	1727.7	1656.3	1545.9	1513.4
52.5°	14744.3	11743.4	3397.0	2663.1	2149.9	1864.1	1766.7	1623.8	1506.9	1435.5	1429.0
55°	15270.4	12146.2	3254.1	2383.8	1909.6	1714.8	1649.8	1526.4	1422.5	1351.0	1331.5
57.5°	15335.3	12354.0	3085.3	2124.0	1714.8	1597.8	1571.9	1435.5	1286.1	1234.1	1214.6
60°	*14426.0*	*12003.3*	*2877.4*	*1883.6*	*1571.9*	*1506.9*	*1493.9*	*1312.0*	*1188.6*	*1123.7*	*1097.7*
62.5°	13185.4	11126.4	2559.1	1662.8	1461.4	1416.0	1364.0	1221.1	1065.2	993.8	974.3
65°	10775.7	9353.2	2175.9	1513.4	1351.0	1299.1	1286.1	1091.2	987.3	948.3	941.8
67.5°	8164.6	7515.0	1916.1	1403.0	1234.1	1214.6	1169.1	1104.2	1058.7	1013.3	1000.3
70°	5774.3	5423.6	1630.3	1260.1	1117.2	1084.7	1273.1	1201.6	1039.2	980.8	974.3
72.5°	3501.0	3403.5	1409.5	1130.2	961.3	1013.3	1175.6	1084.7	935.3	863.9	837.9
75°	2208.4	2020.0	1182.1	961.3	766.4	824.9	1026.3	967.8	805.4	734.0	714.5
77.5°	1201.6	1117.2	889.9	785.9	604.1	669.0	896.3	798.9	643.0	701.5	623.5
80°	526.1	584.6	591.1	454.7	402.7	493.6	643.0	623.5	493.6	500.1	415.7
82.5°	253.3	331.3	383.2	311.8	227.3	292.3	428.7	357.2	331.3	311.8	298.8
85°	77.9	123.4	168.9	149.4	103.9	123.4	201.4	194.9	233.8	201.4	188.4
87.5°	26.0	26.0	19.5	19.5	19.5	26.0	32.5	19.5	6.5	6.5	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°	4585.7	4585.7	4585.7	4585.7	4585.7	4585.7	4585.7	4585.7	4585.7	4585.7	4585.7
2.5°	4488.2	4494.7	4494.7	4501.2	4501.2	4520.7	4546.7	4572.7	4553.2	4579.2	4585.7
5°	4176.5	4208.9	4234.9	4332.3	4410.3	4475.2	4546.7	4611.6	4631.1	4644.1	4676.6
7.5°	3442.5	3533.4	3702.3	3923.1	4170.0	4410.3	4572.7	4741.5	4767.5	4800.0	4845.5
10°	2929.4	2968.3	3085.3	3312.6	3754.3	4228.4	4624.6	4890.9	5001.4	5066.3	5111.8
12.5°	3013.8	2987.8	2968.3	3000.8	3286.6	3897.2	4592.2	5105.3	5313.1	5384.6	5443.0
15°	3215.2	3189.2	3117.7	3026.8	3059.3	3546.4	4481.7	5306.6	5637.9	5754.8	5878.2
17.5°	3332.1	3306.1	3247.6	3150.2	3065.8	3254.1	4273.9	5488.5	6151.0	6293.9	6469.3
20°	3397.0	3371.0	3312.6	3215.2	3117.7	3143.7	4007.6	5715.8	6735.6	6962.9	7222.7
22.5°	3410.0	3377.5	3312.6	3215.2	3156.7	3137.2	3754.3	5852.2	7365.6	7716.4	8015.2
25°	3403.5	3345.1	3260.6	3189.2	3156.7	3150.2	3578.9	5930.2	8047.6	8606.2	8944.0
27.5°	3358.1	3286.6	3202.2	3150.2	3137.2	3176.2	3501.0	6021.1	8846.6	9561.0	10100.1
30°	3306.1	3202.2	3098.2	3078.8	3111.2	3234.6	3565.9	6053.6	9684.4	10600.3	11152.4
32.5°	3169.7	3091.7	2987.8	2981.3	3059.3	3280.1	3715.3	6008.1	10424.9	11639.5	12334.5
35°	2974.8	2929.4	2870.9	2890.4	3013.8	3319.1	3819.2	5865.2	11100.4	12607.3	13419.2
37.5°	2630.6	2663.1	2695.5	2741.0	2896.9	3312.6	3864.7	5637.9	11659.0	13380.3	14419.5
40°	2247.4	2357.8	2461.7	2578.6	2786.5	3260.6	3877.7	5358.6	11983.8	13964.8	15309.4
42.5°	2007.0	2111.0	2240.9	2409.7	2637.1	3143.7	3864.7	5046.8	12087.7	14367.5	15874.4
45°	1786.2	1909.6	2072.0	2247.4	2507.2	2974.8	3747.8	4709.1	12139.7	14555.9	16114.8
47.5°	1669.3	1740.7	1890.1	2065.5	2338.3	2767.0	3520.4	4462.3	12061.7	14594.9	16407.1
50°	1532.9	1630.3	1727.7	1896.6	2162.9	2507.2	3247.6	4319.4	12191.6	14978.1	16868.2
52.5°	1429.0	1480.9	1584.8	1740.7	1935.6	2266.8	2987.8	4202.4	12548.9	15367.8	17348.9
55°	1351.0	1409.5	1474.4	1604.3	1753.7	2026.5	2721.5	4027.1	12964.6	15783.5	17829.5
57.5°	1227.6	1266.6	1357.5	1493.9	1591.3	1792.7	2409.7	3819.2	12932.1	15458.7	16998.1
60°	*1117.2*	*1156.2*	*1253.6*	*1390.0*	*1448.4*	*1584.8*	*2104.5*	*3552.9*	*12308.5*	*14400.0*	*15465.2*
62.5°	993.8	1039.2	1156.2	1253.6	1305.5	1409.5	1786.2	3065.8	11009.5	12808.7	13672.5
65°	941.8	967.8	1045.7	1162.7	1156.2	1253.6	1506.9	2409.7	8859.5	9788.4	10574.3
67.5°	1000.3	1039.2	1026.3	1058.7	1039.2	1091.2	1351.0	1935.6	6962.9	7372.1	7826.8
70°	987.3	1078.2	1123.7	1058.7	909.3	967.8	1169.1	1545.9	4981.9	4942.9	4923.4
72.5°	863.9	954.8	1084.7	1149.7	889.9	805.4	1013.3	1338.0	3195.7	3182.7	2877.4
75°	734.0	798.9	954.8	1039.2	766.4	649.5	870.4	1136.7	1909.6	1935.6	1727.7
77.5°	675.5	643.0	798.9	915.8	623.5	500.1	701.5	857.4	1052.2	1065.2	987.3
80°	487.1	467.7	597.6	669.0	474.2	357.2	396.2	532.6	565.1	506.6	526.1
82.5°	311.8	318.3	357.2	428.7	292.3	194.9	272.8	357.2	305.3	246.8	292.3
85°	201.4	227.3	188.4	220.8	90.9	90.9	116.9	155.9	103.9	71.4	77.9
87.5°	0.0	0.0	13.0	26.0	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: P1501408
CATALOG NUMBER: GSS-SB3D-730-U-T2LG

CANDELA DISTRIBUTION (continued):

	285°	293°	295°	305°	315°	325°	335°	345°	355°	360°
0°	4585.7	4585.7	*4585.7*	4585.7	4585.7	4585.7	4585.7	4585.7	4585.7	4585.7
2.5°	4605.1	4598.7	*4598.7*	4611.6	4644.1	4657.1	4676.6	4670.1	4689.6	4676.6
5°	4696.1	4702.6	*4722.1*	4728.6	4748.0	4774.0	4780.5	4774.0	4787.0	4787.0
7.5°	4877.9	4903.9	*4890.9*	4923.4	4897.4	4865.0	4813.0	4774.0	4741.5	4754.5
10°	5183.2	5170.2	*5163.7*	5105.3	4988.4	4819.5	4683.1	4533.7	4507.7	4481.7
12.5°	5521.0	5508.0	*5508.0*	5306.6	4975.4	4624.6	4312.9	4079.0	4001.1	3994.6
15°	5995.1	5910.7	*5832.8*	5410.6	4748.0	4150.5	3786.7	3604.9	3559.4	3559.4
17.5°	6586.2	6365.4	*6235.5*	5332.6	4377.8	3838.7	3624.4	3578.9	3565.9	3598.4
20°	7320.2	6761.6	*6573.2*	5157.2	4241.4	3877.7	3773.8	3780.2	3786.7	3832.2
22.5°	8125.6	7125.3	*6813.5*	5157.2	4377.8	4124.5	4072.5	4144.0	4163.5	4202.4
25°	9021.9	7450.1	*7027.9*	5430.0	4780.5	4592.2	4527.2	4598.7	4650.6	4715.6
27.5°	10028.7	7787.8	*7398.1*	5923.7	5300.1	5183.2	5111.8	5144.3	5215.7	5293.6
30°	10931.5	8352.9	*7963.2*	6677.1	6008.1	5865.2	5741.8	5793.8	5871.7	5923.7
32.5°	11730.5	9041.4	*8710.2*	7469.6	6820.0	6573.2	6436.8	6423.8	6579.7	6540.7
35°	12464.4	9853.3	*9535.1*	8372.4	7644.9	7339.7	7157.8	7391.6	7287.7	7326.7
37.5°	13042.5	10697.7	*10444.4*	9236.3	8502.3	8086.6	7976.2	8262.0	8424.4	8469.8
40°	13516.7	11431.7	*11165.4*	10093.7	9288.2	8983.0	9158.3	9632.5	9613.0	9593.5
42.5°	13880.4	12061.7	*11769.4*	10743.2	10041.7	10100.1	10236.5	10554.8	10632.8	10522.3
45°	14042.8	12457.9	*12224.1*	11256.3	10899.1	11236.8	11295.3	11431.7	11379.7	11308.3
47.5°	14231.1	12808.7	*12561.9*	11724.0	11827.9	12159.1	12042.2	11931.8	11743.4	11633.0
50°	14549.4	13224.4	*13016.5*	12406.0	12782.7	12672.3	12217.6	11970.8	11587.6	11457.7
52.5°	15153.5	14010.3	*13854.4*	13484.2	13230.9	12594.3	12042.2	11600.6	11171.9	10996.5
55°	15692.6	15075.5	*14984.6*	14490.9	13094.5	12185.1	11444.7	10762.7	10028.7	9879.3
57.5°	16004.3	16842.2	*16946.2*	14919.6	12470.9	11256.3	10165.1	9073.9	8378.9	8255.5
60°	*15075.5*	*18751.8*	*18803.8*	*14835.2*	*11347.2*	*9580.5*	*7917.7*	*7144.8*	*6397.8*	*6183.5*
62.5°	13796.0	18355.6	*18310.2*	14328.6	9034.9	6988.9	6014.6	5650.9	5072.8	4897.4
65°	11860.4	15289.9	*15341.8*	12380.0	6008.1	5053.3	5053.3	4592.2	3949.1	3825.7
67.5°	9665.0	11788.9	*11672.0*	8028.2	3689.3	4046.6	4241.4	3578.9	2676.1	2526.7
70°	6280.9	9002.4	*8840.1*	4631.1	2318.8	3371.0	3338.6	2689.0	1916.1	1812.2
72.5°	2702.0	5202.7	*5534.0*	2364.3	1747.2	2715.0	2663.1	1883.6	1279.6	1234.1
75°	1630.3	2617.6	*2851.4*	1506.9	1273.1	2046.0	1844.7	1195.1	870.4	837.9
77.5°	1032.7	1435.5	*1422.5*	1130.2	954.8	1383.5	1240.6	824.9	591.1	565.1
80°	597.6	708.0	*734.0*	708.0	643.0	987.3	792.4	597.6	461.2	428.7
82.5°	383.2	441.7	*448.2*	344.2	357.2	636.5	428.7	350.7	266.3	240.3
85°	168.9	188.4	*181.9*	116.9	116.9	259.8	149.4	142.9	103.9	103.9
87.5°	6.5	13.0	*6.5*	6.5	6.5	26.0	13.0	19.5	19.5	19.5
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

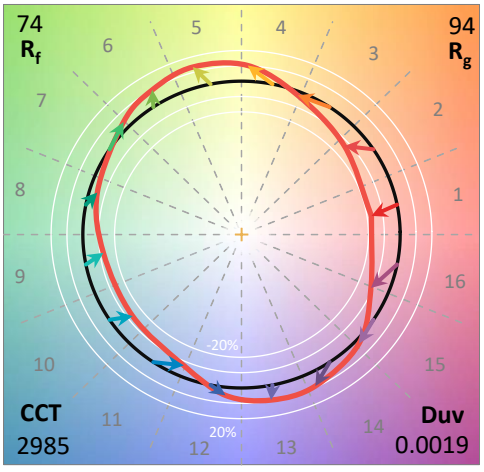
Test Information

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

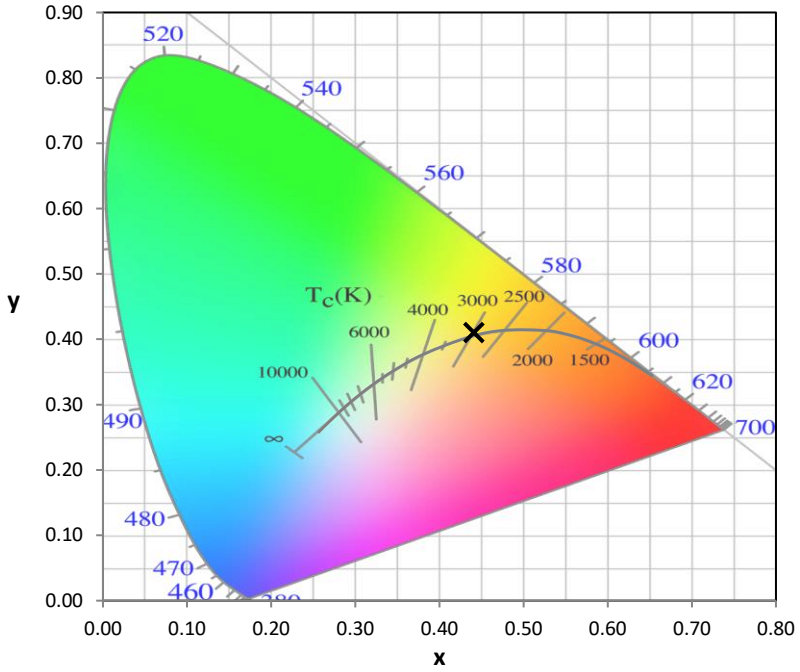
Stabilization Time:	36M
Operation Time:	1H 36M
Sphere Temperature (°C):	25.2

REPORT NUMBER: SP1-2407-184-4

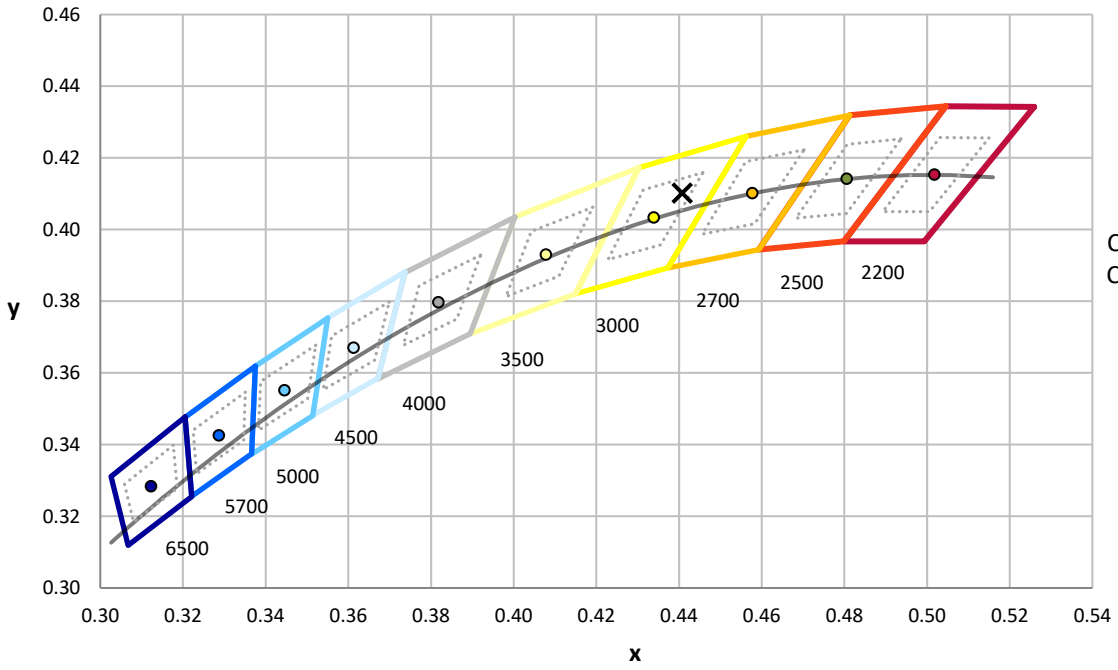
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

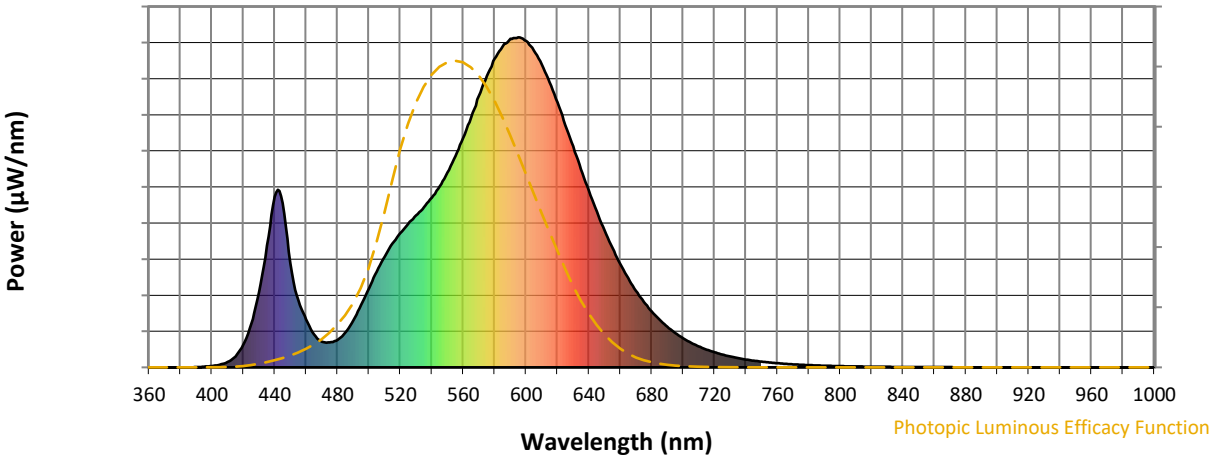


CCT = 2985K
CIE x = 0.4408
CIE y = 0.4101
Duv = 0.0019

Point lies inside the ANSI 3000K 4-step quadrangle

REPORT NUMBER: SP1-2407-184-4

Photopic Flux vs. Wavelength

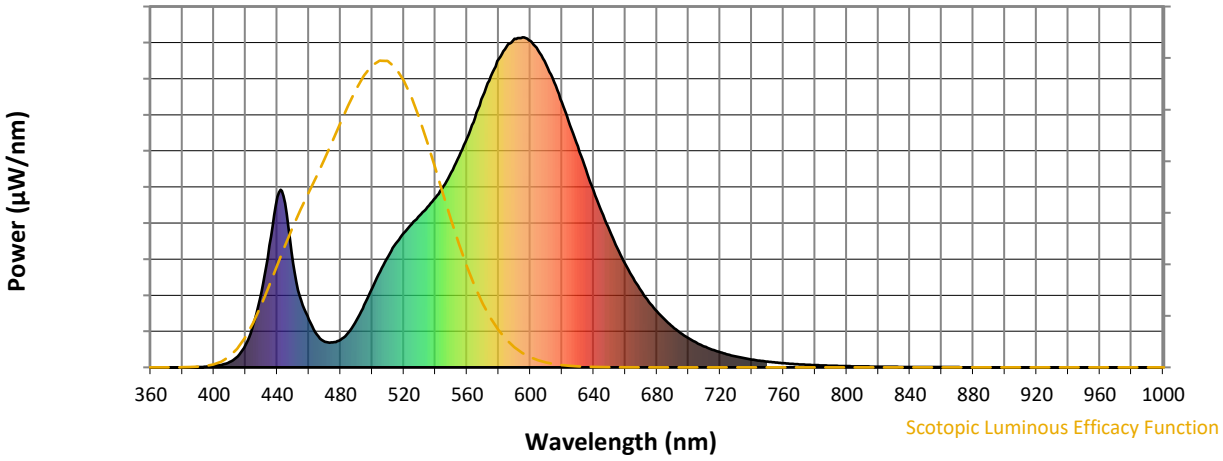


Photopic Lumens: NR

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

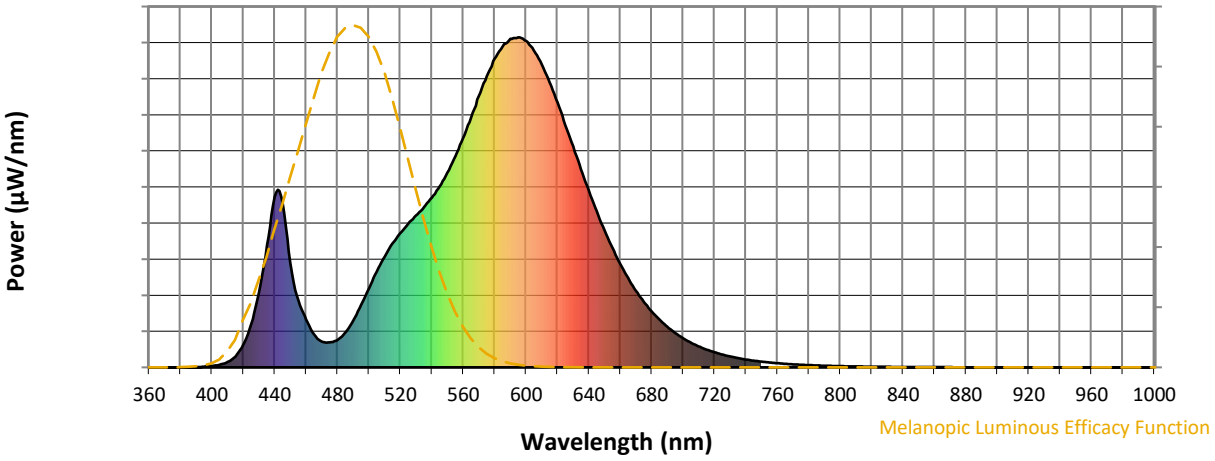


Scotopic Lumens: NR **S/P: 1.19**

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			

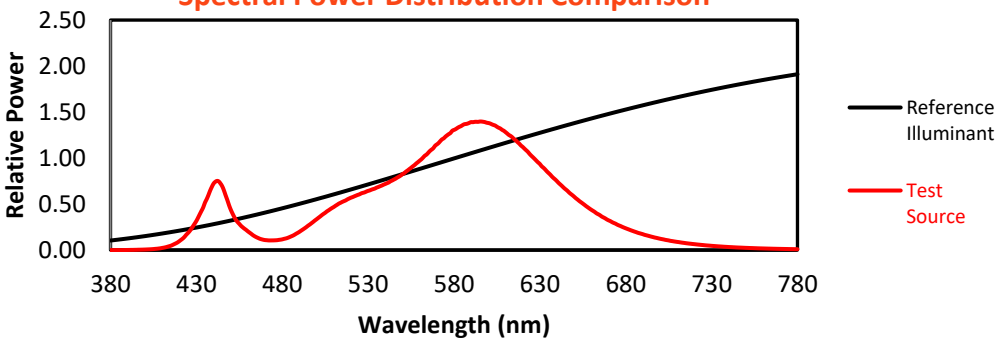
REPORT NUMBER: SP1-2407-184-4

TM-30-18

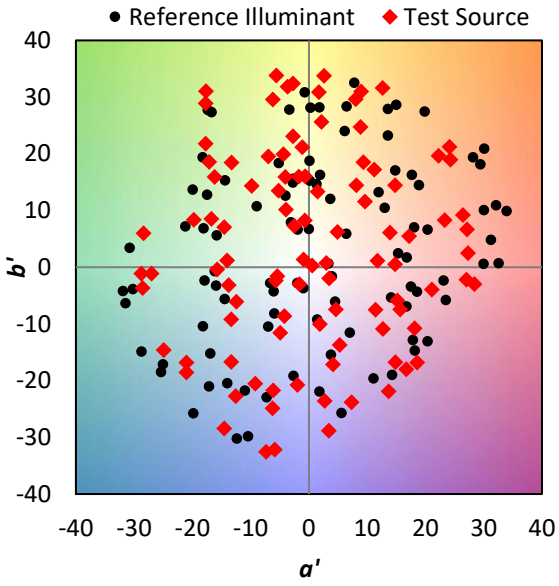
Summary

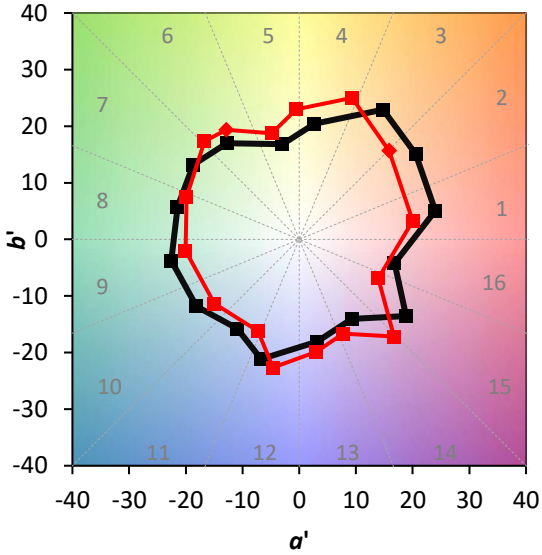
R_f = 73.8
R_g = 94.4
CIE R_a = 70.8
R_9 = -43.2

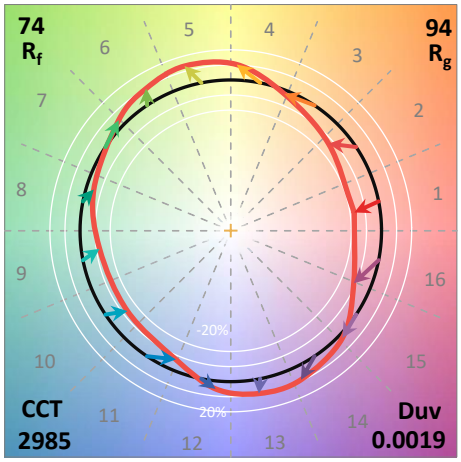
Spectral Power Distribution Comparison

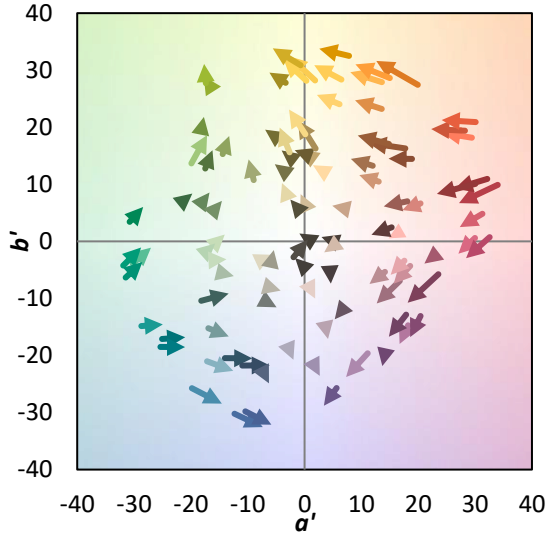


Color Vector Graphics







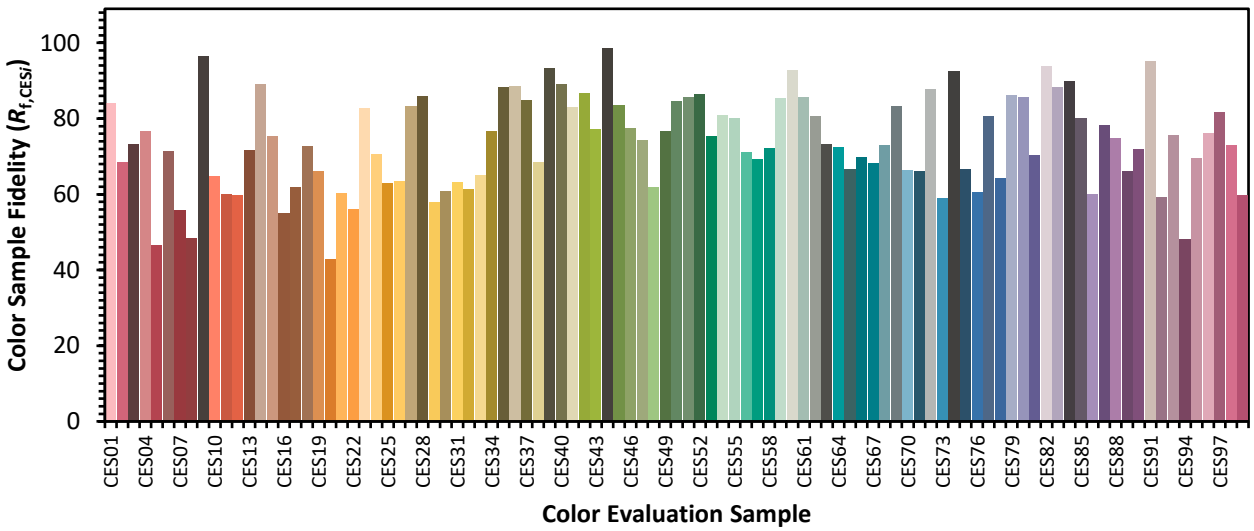


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Individual Sample Fidelity Index ($R_{f,i}$)

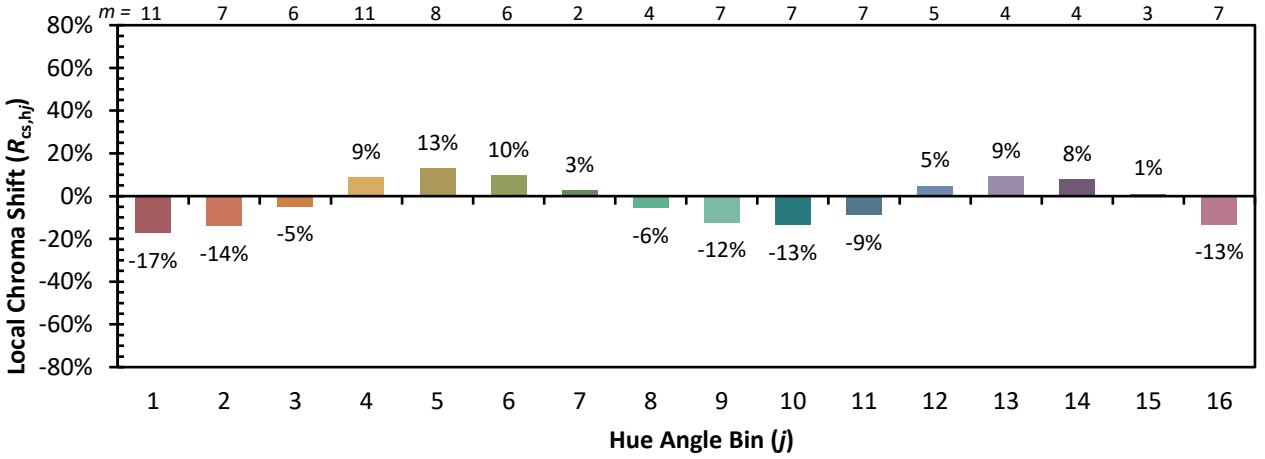
CES01 = 86	CES26 = 63	CES51 = 86	CES76 = 61
CES02 = 62	CES27 = 83	CES52 = 86	CES77 = 81
CES03 = 31	CES28 = 86	CES53 = 75	CES78 = 64
CES04 = 71	CES29 = 58	CES54 = 81	CES79 = 86
CES05 = 49	CES30 = 61	CES55 = 80	CES80 = 86
CES06 = 51	CES31 = 63	CES56 = 71	CES81 = 70
CES07 = 41	CES32 = 61	CES57 = 69	CES82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

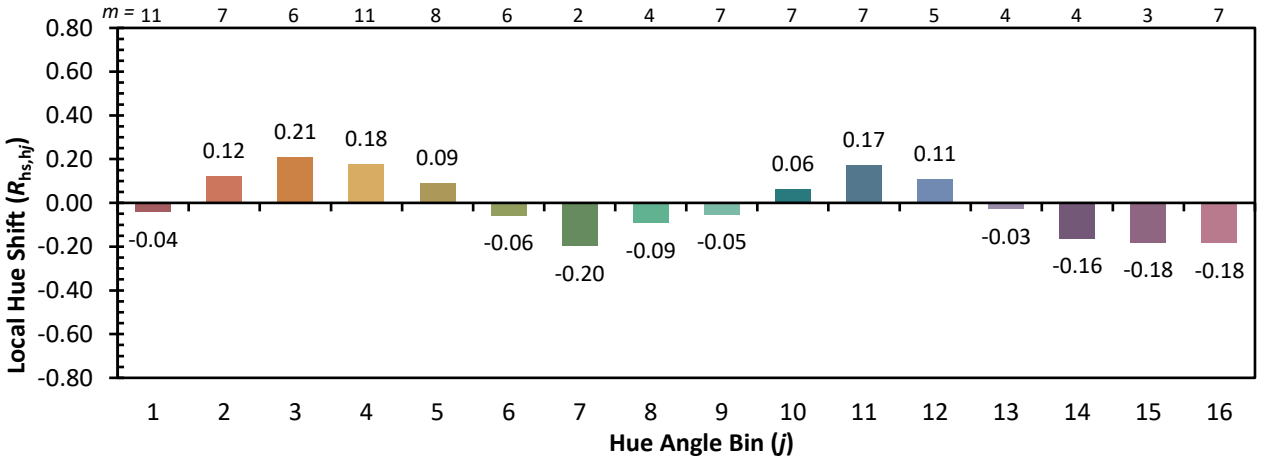


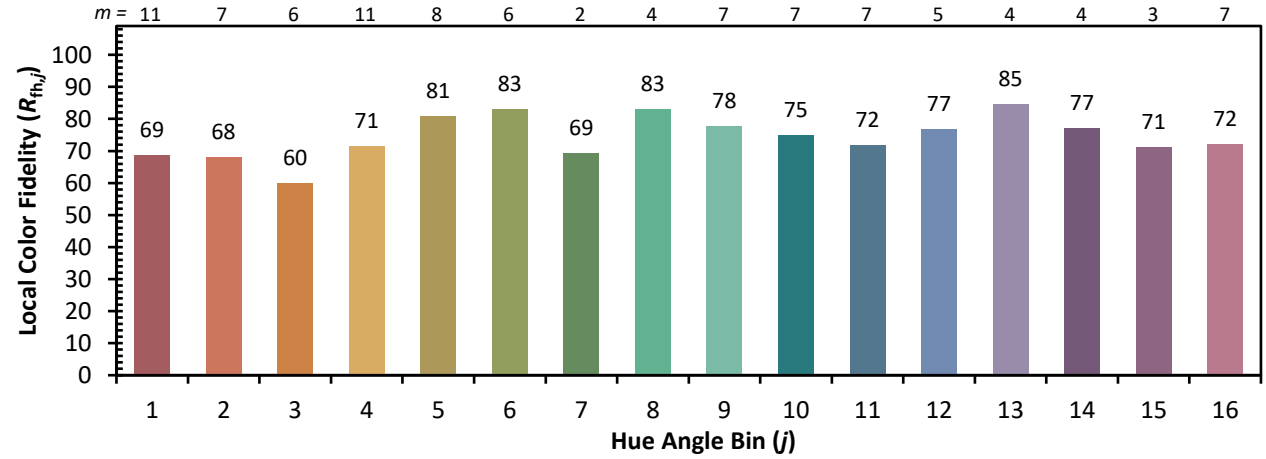
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Color Rendition by Hue-Angle Bin



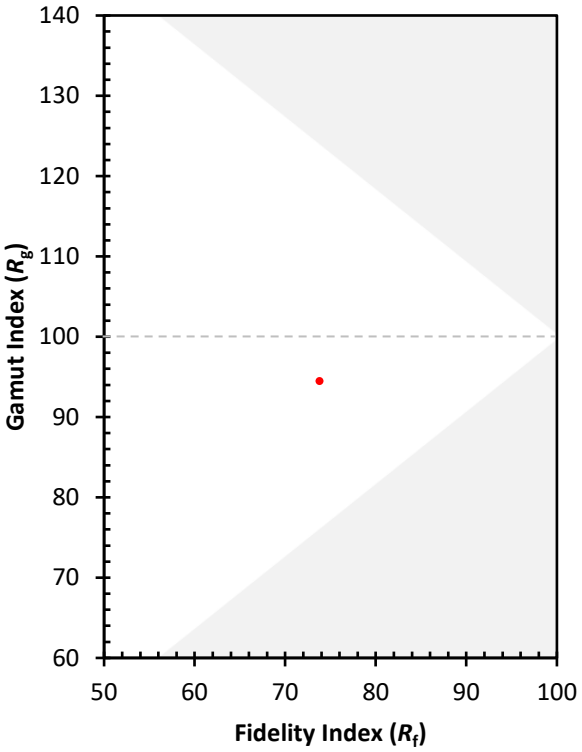


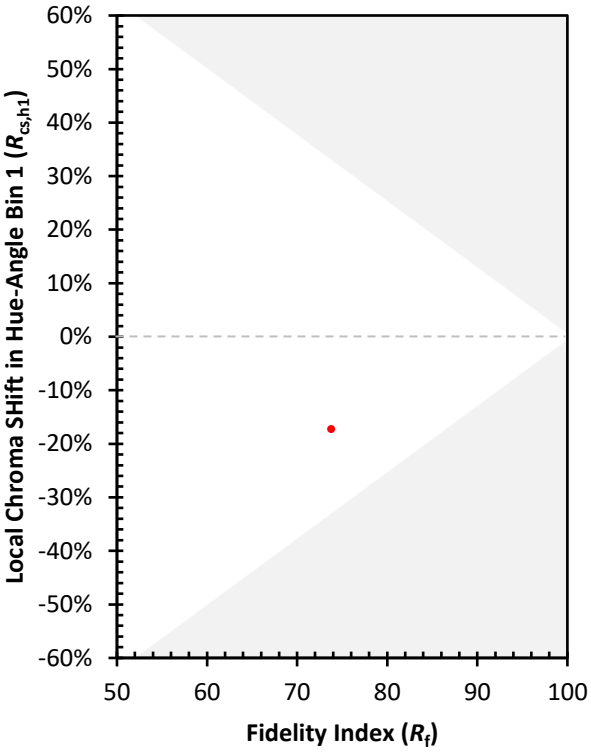


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Measure Comparisons





(END OF REPORT)