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: P1501802

Luminaire Tested: GSS-SB6B-730-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:	P1501802
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-HSS
Description:	GALLEON II SLIM SITE HIGH DENSITY LED ARRAYS 6SQUARE 219W 70CRI 3000K FIXTURE w/ TYPE II LOW GLARE DISTRIBUTION FIXTURE W/ HOUSE SIDE SHIELD
Light Source:	(156) 3000K CCT, 70 CRI LEDS
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	26686.7 lumens
Efficiency:	N/A
Efficacy:	121.9 lumens/watt
Luminous Opening:	Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification:	Type II - Short
BUG Rating:	B3 - U0 - G3

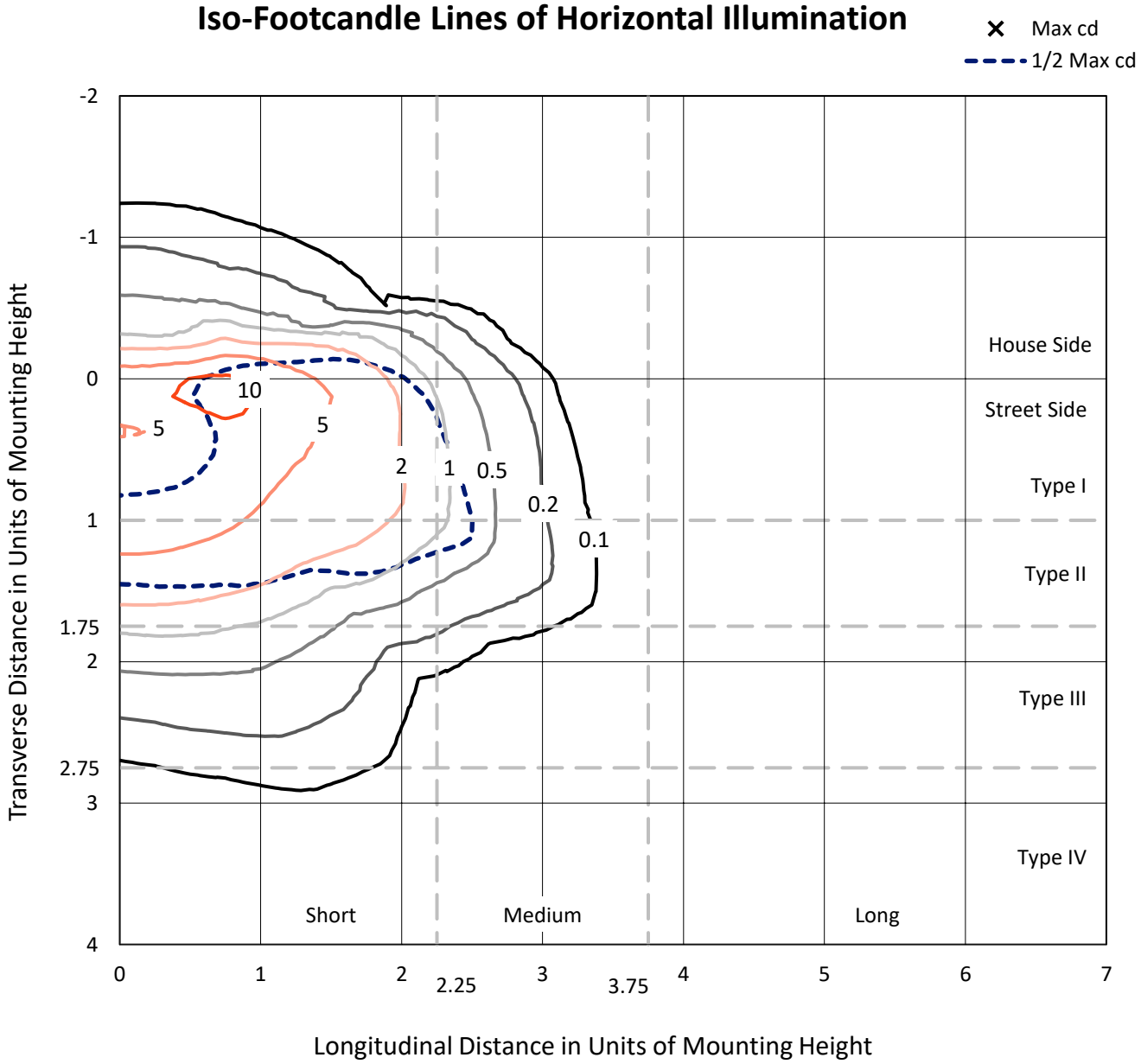
Input Watts (W):	219
Input Voltage (V):	120
Input Current (Ain):	NR
Voltage Rise (V):	NR
Power Factor:	0.98
Total Harmonic Distortion (THDi):	8.7%
Frequency (hertz):	60
Stabilization Time:	NR
Operation Time:	NR
Ambient Temperature (°C):	NR
Test Distance:	28.75 FT

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Iso-Footcandle Lines of Horizontal Illumination



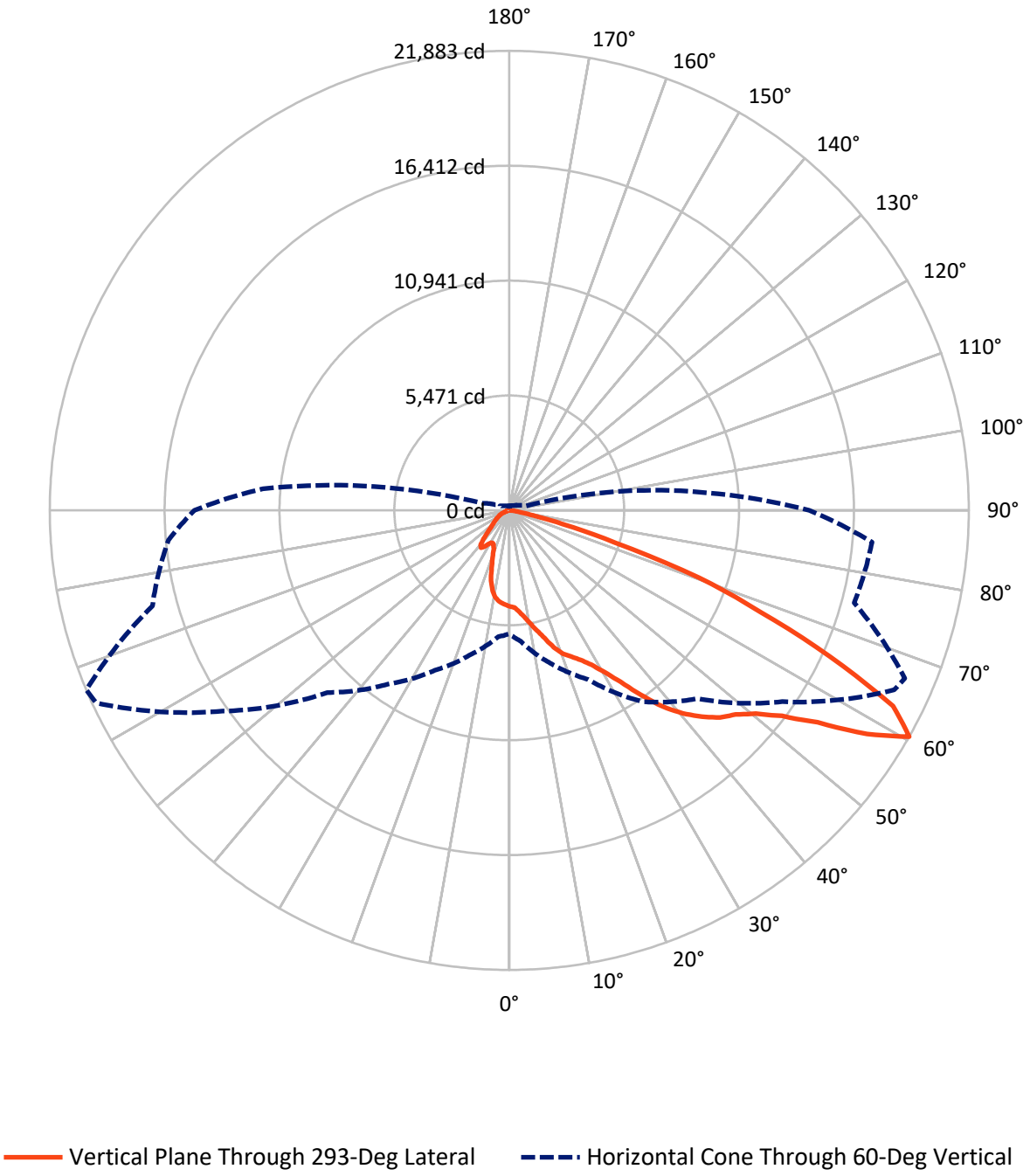
Based on 25 foot mounting height. Maximum calculated value = 12.2 fc
Type II - Short - N/A

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Luminous Intensity Polar Plot



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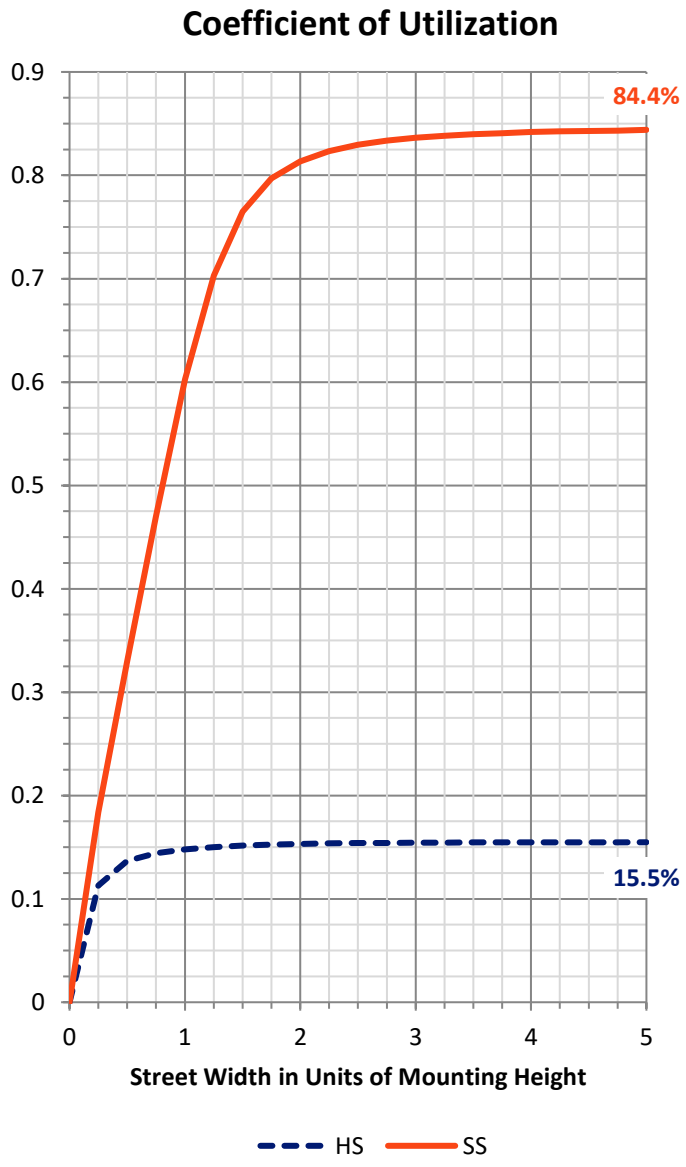
REPORT NUMBER: P1501802
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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4163.8	0.0	4163.8
	% Fixture	15.6	0.0	15.6
Street Side	Lumens	22523.0	0.0	22523.0
	% Fixture	84.4	0.0	84.4
Total	Lumens	26686.7	0.0	26686.7
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	414.1	1.6
10°-20°	1043.1	3.9
20°-30°	1947.2	7.3
30°-40°	3861.5	14.5
40°-50°	6156.6	23.1
50°-60°	7355.6	27.6
60°-70°	4822.0	18.1
70°-80°	1010.3	3.8
80°-90°	76.4	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°	26686.7	100.0
0°-180°	26686.7	100.0



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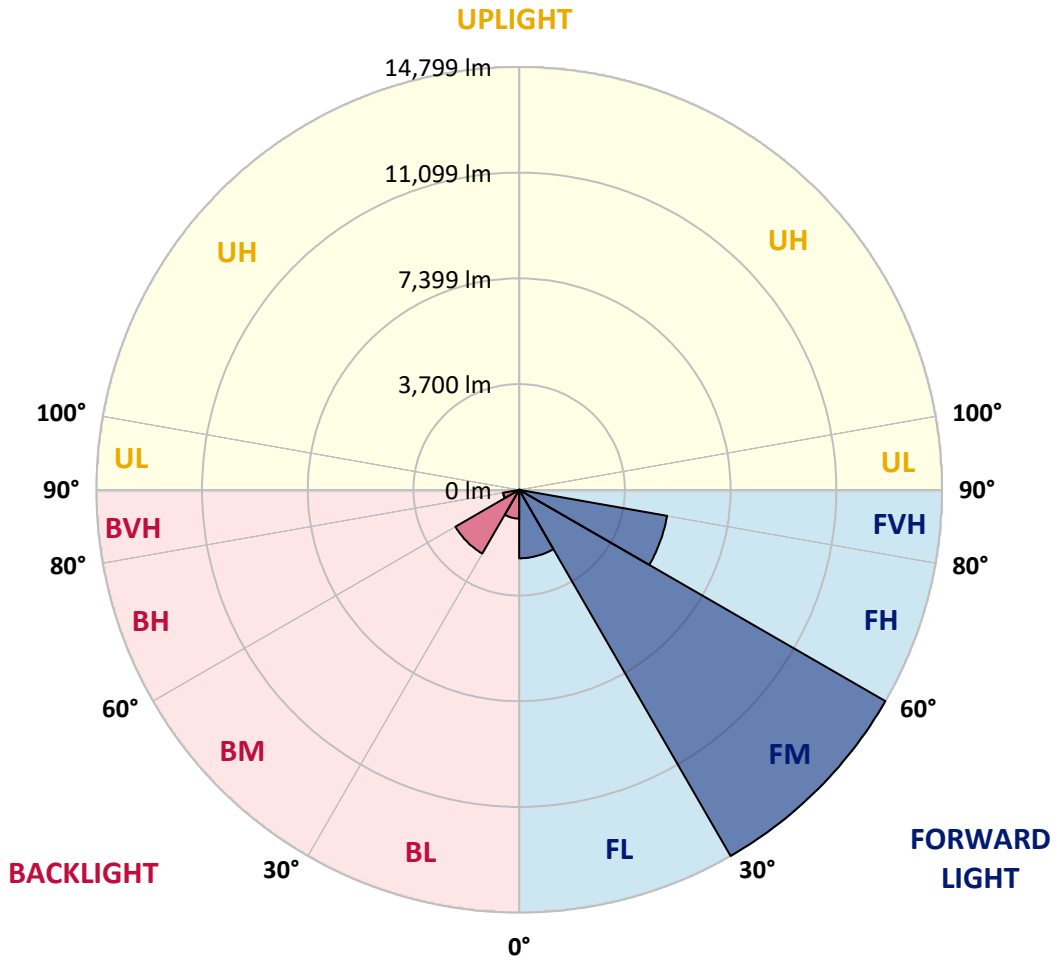
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	2397.0	9.0			
FM	(30°-60°)	14798.8	55.5			
FH	(60°-80°)	5257.1	19.7			G3/7500
FVH	(80°-90°)	70.0	0.3			G1/100
BL	(0°-30°)	1007.3	3.8	B3/2500		
BM	(30°-60°)	2574.9	9.6	B3/5000		
BH	(60°-80°)	575.2	2.2	B2/1000		G2/1000
BVH	(80°-90°)	6.4	0.0			G0/10
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°	4573.8	4573.8	4573.8	4573.8	4573.8	4573.8	4573.8	4573.8	4573.8	4573.8	4573.8
2.5°	4805.5	4790.6	4768.1	4775.6	4768.1	4738.3	4693.4	4656.0	4685.9	4641.1	4611.2
5°	4947.5	4947.5	4932.6	4932.6	4940.0	4925.1	4895.2	4842.9	4850.4	4813.0	4715.8
7.5°	4947.5	4925.1	4962.5	4999.8	5067.1	5104.5	5119.4	5089.5	5104.5	5029.7	4902.7
10°	4656.0	4641.1	4738.3	4880.3	5074.6	5246.5	5358.6	5366.0	5388.5	5313.7	5164.2
12.5°	4035.7	4005.8	4200.2	4469.2	4865.3	5261.4	5575.3	5694.9	5747.2	5717.3	5508.0
15°	3460.3	3497.6	3632.2	3923.6	4454.3	5059.6	5694.9	6091.0	6165.7	6203.1	5956.4
17.5°	3400.5	3408.0	3452.8	3594.8	3998.4	4730.8	5709.8	6502.0	6606.6	6771.1	6434.8
20°	3564.9	3550.0	3594.8	3639.6	3833.9	4439.3	5567.8	6898.1	7099.9	7451.2	7085.0
22.5°	3871.3	3871.3	3893.7	3923.6	4020.8	4416.9	5508.0	7264.3	7608.1	8325.6	7899.6
25°	4387.0	4327.2	4342.2	4304.8	4387.0	4685.9	5642.6	7555.8	8026.6	9297.1	8871.1
27.5°	5186.7	5209.1	5074.6	4872.8	4917.6	5171.7	5971.4	7884.6	8460.1	10306.1	9857.7
30°	6292.8	6255.4	6173.2	5777.1	5597.7	5821.9	6576.8	8422.7	9043.0	11584.1	11173.0
32.5°	7159.7	7264.3	7122.3	6845.8	6569.3	6636.5	7428.7	9289.7	9753.0	12757.4	12533.2
35°	8206.0	8206.0	8235.9	7847.3	7660.4	7645.5	8497.5	10231.3	10694.7	13818.7	13975.6
37.5°	9618.5	9521.3	9356.9	8923.5	8781.5	8968.3	9498.9	11202.9	11703.6	14678.1	15096.6
40°	10806.8	10874.1	10851.6	10223.9	9947.3	10149.1	10620.0	12032.5	12421.1	15231.2	16000.9
42.5°	11972.7	12010.1	11912.9	11614.0	11210.4	11225.3	11614.0	12660.3	13056.4	15761.8	16852.9
45°	12847.1	12839.6	12772.4	12697.6	12458.5	12211.8	12279.1	13355.3	13699.1	15933.7	17316.3
47.5°	13123.6	13183.4	13243.2	13452.5	13616.9	13228.2	12884.5	13729.0	14042.9	15903.8	17488.2
50°	12869.5	12996.6	13288.0	13601.9	14162.4	14132.5	13392.7	14132.5	14439.0	16068.2	17690.0
52.5°	12301.5	12428.6	12817.2	13385.2	14229.7	14648.2	14334.3	14812.6	15171.4	16486.7	18108.5
55°	10978.7	11031.0	11830.7	12578.0	13893.4	14424.0	15343.3	15963.6	16262.5	16994.9	18661.5
57.5°	8938.4	9065.5	9850.2	11068.4	12951.7	13833.6	15918.7	17929.1	17921.7	17480.7	18781.1
60°	*5881.7*	*6255.4*	*7533.4*	*8878.6*	*11128.2*	*12675.2*	*15881.4*	*20231.0*	*20462.7*	*17002.4*	*17338.7*
62.5°	4491.6	4648.6	5373.5	6494.5	8235.9	10507.9	15634.7	20918.6	21097.9	15716.9	15178.9
65°	3378.1	3572.4	4267.4	5268.9	5814.4	7122.3	14020.4	18183.2	18429.9	14027.9	11800.8
67.5°	2070.2	2227.1	3153.9	4327.2	4401.9	4424.4	9461.6	13773.8	13863.5	11315.0	7944.4
70°	1382.6	1539.6	2182.3	3325.7	3505.1	2548.5	5194.1	10425.7	10418.2	7742.6	4827.9
72.5°	799.7	874.4	1382.6	2451.3	2757.8	1621.8	2593.3	6629.1	6337.6	3639.6	2257.0
75°	455.9	508.2	762.3	1576.9	1935.7	1031.4	1023.9	3550.0	3138.9	1875.9	1233.1
77.5°	276.5	298.9	418.5	1031.4	1165.9	695.0	568.0	1651.7	1591.9	1098.6	650.2
80°	134.5	156.9	254.1	605.4	747.4	373.7	343.8	650.2	695.0	605.4	343.8
82.5°	44.8	59.8	142.0	231.7	485.8	149.5	142.0	358.7	381.2	358.7	164.4
85°	22.4	29.9	67.3	74.7	186.8	74.7	52.3	156.9	194.3	119.6	67.3
87.5°	0.0	7.5	7.5	7.5	7.5	7.5	7.5	14.9	14.9	14.9	14.9
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°	4573.8	4573.8	4573.8	4573.8	4573.8	4573.8	4573.8	4573.8	4573.8	4573.8	4573.8
2.5°	4588.8	4573.8	4543.9	4491.6	4484.2	4446.8	4387.0	4349.6	4319.7	4342.2	4349.6
5°	4671.0	4633.6	4543.9	4401.9	4252.5	4103.0	3961.0	3796.6	3684.5	3669.5	3639.6
7.5°	4820.5	4745.7	4551.4	4274.9	3893.7	3535.0	3116.5	2712.9	2511.1	2481.2	2414.0
10°	5059.6	4932.6	4611.2	4050.7	3318.3	2570.9	1935.7	1502.2	1255.6	1210.7	1225.7
12.5°	5343.6	5164.2	4618.7	3669.5	2526.1	1591.9	1098.6	934.2	881.9	859.5	859.5
15°	5709.8	5448.2	4611.2	3176.3	1704.0	1023.9	881.9	814.6	792.2	777.3	777.3
17.5°	6173.2	5829.4	4558.9	2436.4	1150.9	889.4	807.1	754.8	724.9	717.5	717.5
20°	6718.8	6255.4	4439.3	1816.1	964.1	829.6	762.3	695.0	672.6	657.7	657.7
22.5°	7413.8	6771.1	4207.6	1412.5	911.8	792.2	717.5	642.7	620.3	605.4	605.4
25°	8220.9	7428.7	3901.2	1270.5	904.3	762.3	672.6	597.9	575.5	568.0	560.5
27.5°	9177.6	8131.3	3617.2	1278.0	919.3	739.9	627.8	560.5	538.1	515.7	523.2
30°	10306.1	8856.2	3385.5	1367.7	934.2	717.5	597.9	538.1	515.7	485.8	485.8
32.5°	11419.6	9708.2	3363.1	1532.1	986.5	702.5	568.0	508.2	485.8	463.4	463.4
35°	12563.1	10485.4	3490.2	1748.8	1091.1	680.1	530.6	478.3	455.9	440.9	433.5
37.5°	13654.2	11105.7	3609.7	1883.3	1031.4	582.9	485.8	440.9	418.5	388.6	388.6
40°	14379.2	11442.1	3632.2	1778.7	852.0	523.2	440.9	396.1	366.2	351.3	343.8
42.5°	14909.8	11658.8	3378.1	1442.4	739.9	478.3	403.6	358.7	336.3	321.4	321.4
45°	15126.5	11584.1	2944.6	1098.6	680.1	440.9	366.2	328.8	313.9	298.9	298.9
47.5°	15096.6	11240.3	2503.7	881.9	620.3	403.6	343.8	313.9	298.9	284.0	276.5
50°	15044.3	10918.9	2055.2	784.7	553.0	381.2	321.4	298.9	276.5	261.6	254.1
52.5°	15388.1	10814.3	1704.0	717.5	515.7	366.2	313.9	284.0	261.6	246.6	246.6
55°	15731.9	10859.1	1337.8	672.6	478.3	358.7	306.4	276.5	254.1	231.7	231.7
57.5°	15709.5	10664.8	1016.4	627.8	448.4	351.3	298.9	269.0	231.7	216.7	216.7
60°	*14282.0*	*9513.9*	*792.2*	*575.5*	*411.0*	*328.8*	*276.5*	*254.1*	*216.7*	*194.3*	*194.3*
62.5°	12077.3	7481.1	650.2	508.2	366.2	298.9	254.1	231.7	194.3	156.9	156.9
65°	8923.5	5395.9	523.2	440.9	336.3	261.6	231.7	201.8	156.9	127.1	119.6
67.5°	6038.7	3318.3	418.5	366.2	298.9	224.2	194.3	171.9	142.0	104.6	97.2
70°	3579.8	1763.8	306.4	254.1	224.2	164.4	164.4	149.5	119.6	89.7	82.2
72.5°	1704.0	612.8	224.2	186.8	171.9	119.6	127.1	127.1	97.2	67.3	59.8
75°	866.9	298.9	149.5	134.5	112.1	89.7	104.6	97.2	67.3	44.8	44.8
77.5°	493.3	209.3	104.6	89.7	74.7	59.8	67.3	59.8	37.4	22.4	22.4
80°	276.5	149.5	67.3	59.8	44.8	37.4	37.4	29.9	22.4	7.5	7.5
82.5°	104.6	89.7	44.8	29.9	22.4	22.4	14.9	14.9	7.5	0.0	0.0
85°	44.8	22.4	22.4	14.9	14.9	7.5	7.5	7.5	0.0	0.0	0.0
87.5°	7.5	7.5	7.5	7.5	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°	4573.8	4573.8	4573.8	4573.8	4573.8	4573.8	4573.8	4573.8	4573.8	4573.8	4573.8
2.5°	4289.8	4304.8	4319.7	4379.5	4394.5	4439.3	4476.7	4521.5	4529.0	4588.8	4588.8
5°	3699.4	3692.0	3819.0	4005.8	4125.4	4289.8	4416.9	4551.4	4626.1	4723.3	4768.1
7.5°	2451.3	2638.2	2922.2	3251.0	3677.0	4073.1	4372.0	4633.6	4813.0	4925.1	4969.9
10°	1218.2	1322.8	1621.8	2159.9	2884.8	3692.0	4327.2	4813.0	5104.5	5231.5	5313.7
12.5°	859.5	881.9	934.2	1225.7	1920.7	3064.2	4185.2	5007.3	5410.9	5650.0	5754.7
15°	769.8	784.7	807.1	889.4	1188.3	2286.9	3931.1	5224.0	5889.2	6165.7	6300.2
17.5°	710.0	717.5	739.9	807.1	934.2	1554.5	3520.1	5455.7	6464.7	6801.0	7055.1
20°	657.7	657.7	680.1	762.3	866.9	1195.8	2929.6	5717.3	7197.1	7682.8	7936.9
22.5°	597.9	612.8	627.8	717.5	844.5	1091.1	2376.6	5919.1	8011.7	8602.1	8901.0
25°	553.0	568.0	582.9	672.6	822.1	1091.1	2055.2	6046.1	8923.5	9626.0	10037.0
27.5°	515.7	530.6	553.0	642.7	799.7	1136.0	1928.2	6083.5	9917.4	10829.2	11382.3
30°	485.8	500.7	523.2	620.3	814.6	1188.3	1973.0	6031.2	10926.4	12069.8	12727.5
32.5°	455.9	470.8	493.3	597.9	814.6	1255.6	2122.5	5926.6	11905.4	13310.5	14117.6
35°	433.5	440.9	448.4	538.1	739.9	1248.1	2309.3	5821.9	12891.9	14536.1	15477.8
37.5°	388.6	396.1	411.0	463.4	590.4	1136.0	2346.7	5694.9	13669.2	15567.5	16606.3
40°	343.8	358.7	373.7	426.0	493.3	919.3	2182.3	5425.8	14080.2	16359.7	17622.7
42.5°	313.9	321.4	336.3	388.6	455.9	732.4	1831.0	4955.0	14446.4	16897.8	18362.6
45°	291.5	298.9	313.9	351.3	426.0	635.3	1442.4	4379.5	14476.3	17069.7	18721.3
47.5°	269.0	276.5	284.0	321.4	411.0	568.0	1106.1	3856.4	14468.9	17293.9	19027.7
50°	254.1	261.6	276.5	306.4	388.6	508.2	911.8	3430.4	14782.8	17779.7	19648.1
52.5°	246.6	246.6	269.0	298.9	366.2	463.4	762.3	3049.2	14947.2	18258.0	20096.5
55°	231.7	239.2	254.1	284.0	343.8	440.9	650.2	2570.9	15021.9	18497.1	20178.7
57.5°	216.7	224.2	246.6	269.0	328.8	418.5	560.5	1920.7	13953.2	17249.0	18803.5
60°	*194.3*	*209.3*	*239.2*	*261.6*	*306.4*	*381.2*	*493.3*	*1300.4*	*11770.9*	*14992.0*	*16292.4*
62.5°	156.9	186.8	216.7	231.7	276.5	321.4	418.5	866.9	9401.8	12406.2	13885.9
65°	119.6	156.9	179.4	201.8	231.7	269.0	351.3	590.4	6270.3	8348.0	10014.6
67.5°	104.6	134.5	149.5	164.4	194.3	231.7	284.0	411.0	3804.1	5014.8	6659.0
70°	82.2	112.1	127.1	119.6	149.5	179.4	201.8	276.5	1943.1	2720.4	3789.1
72.5°	59.8	89.7	97.2	97.2	89.7	127.1	149.5	194.3	844.5	1322.8	1718.9
75°	44.8	59.8	67.3	59.8	52.3	82.2	104.6	127.1	553.0	792.2	1001.5
77.5°	22.4	22.4	37.4	37.4	22.4	44.8	52.3	74.7	313.9	463.4	575.5
80°	7.5	0.0	0.0	7.5	0.0	14.9	22.4	37.4	164.4	246.6	358.7
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.5	82.2	74.7	186.8
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	14.9	44.8
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: P1501802
CATALOG NUMBER: GSS-SB6B-730-U-T2LG-HSS

CANDELA DISTRIBUTION (continued):

	285°	293°	295°	305°	315°	325°	335°	345°	355°	360°
0°	4573.8	4573.8	4573.8	4573.8	4573.8	4573.8	4573.8	4573.8	4573.8	4573.8
2.5°	4626.1	4626.1	4656.0	4700.9	4723.3	4738.3	4745.7	4760.7	4820.5	4805.5
5°	4820.5	4835.4	4857.8	4902.7	4955.0	4940.0	4940.0	4940.0	4977.4	4947.5
7.5°	5074.6	5119.4	5126.9	5179.2	5141.8	5067.1	5022.2	4955.0	4947.5	4947.5
10°	5485.6	5470.7	5470.7	5403.4	5268.9	5052.1	4857.8	4723.3	4648.6	4656.0
12.5°	5926.6	5866.8	5874.2	5627.6	5246.5	4768.1	4372.0	4080.6	4058.2	4035.7
15°	6472.1	6315.2	6285.3	5717.3	4910.1	4177.7	3789.1	3557.4	3482.7	3460.3
17.5°	7249.4	6853.3	6711.3	5560.3	4469.2	3811.5	3520.1	3415.4	3408.0	3400.5
20°	8071.5	7286.7	7017.7	5328.7	4319.7	3819.0	3602.3	3572.4	3557.4	3564.9
22.5°	9028.1	7563.3	7219.5	5366.0	4454.3	4065.6	3893.7	3871.3	3856.4	3871.3
25°	10014.6	7884.6	7458.6	5665.0	4857.8	4521.5	4319.7	4274.9	4319.7	4387.0
27.5°	11008.6	8318.1	7929.5	6255.4	5508.0	5141.8	4947.5	5111.9	5179.2	5186.7
30°	11890.5	8923.5	8564.7	7085.0	6247.9	5881.7	5919.1	6128.3	6210.5	6292.8
32.5°	12697.6	9730.6	9454.1	8026.6	7204.5	6987.8	6965.4	7122.3	7212.0	7159.7
35°	13512.2	10784.4	10515.3	9050.5	8377.9	8198.5	8011.7	8318.1	8288.2	8206.0
37.5°	14282.0	11845.6	11599.0	10149.1	9454.1	9140.2	9110.3	9386.8	9633.5	9618.5
40°	14835.1	12705.1	12406.2	11240.3	10582.6	10313.5	10470.5	10948.8	10889.0	10806.8
42.5°	15343.3	13437.5	13168.5	12196.9	11509.3	11628.9	11770.9	12092.3	12054.9	11972.7
45°	15582.4	14065.3	13833.6	12921.8	12585.5	12966.7	12959.2	13078.8	12877.0	12847.1
47.5°	15918.7	14513.7	14274.5	13572.0	13871.0	14027.9	13587.0	13459.9	13273.1	13123.6
50°	16539.0	15208.7	14969.6	14558.5	14812.6	14326.9	13788.8	13512.2	13131.1	12869.5
52.5°	17264.0	16262.5	16053.3	15888.8	15178.9	14177.4	13489.8	12989.1	12525.7	12301.5
55°	18175.8	17817.0	17667.6	16763.3	14850.0	13564.6	12757.4	11823.2	11188.0	10978.7
57.5°	18474.7	20096.5	20044.2	16905.2	13930.8	12451.0	10993.6	9730.6	9072.9	8938.4
60°	17592.8	21882.7	21695.8	16666.1	12264.2	10104.3	8400.3	7107.4	6038.7	5881.7
62.5°	16464.3	20515.0	20447.7	15462.8	9342.0	7241.9	6277.8	5067.1	4611.2	4491.6
65°	14102.7	16785.7	16815.6	12406.2	5911.6	5201.6	5156.8	4028.3	3467.7	3378.1
67.5°	10859.1	12877.0	12667.7	7802.4	3445.3	4162.8	4117.9	2944.6	2130.0	2070.2
70°	6345.1	9588.6	9252.3	4058.2	2279.4	3475.2	3168.8	2070.2	1449.9	1382.6
72.5°	2802.6	5276.4	5665.0	1786.2	1606.8	2765.2	2286.9	1270.5	814.6	799.7
75°	1554.5	2615.8	2735.3	777.3	1128.5	1965.6	1382.6	710.0	463.4	455.9
77.5°	934.2	1158.4	1128.5	500.7	844.5	1255.6	837.0	403.6	291.5	276.5
80°	523.2	530.6	448.4	366.2	500.7	702.5	470.8	254.1	134.5	134.5
82.5°	321.4	291.5	231.7	112.1	134.5	426.0	171.9	142.0	44.8	44.8
85°	134.5	89.7	59.8	22.4	52.3	112.1	59.8	67.3	22.4	22.4
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: SP1-2407-184-4

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

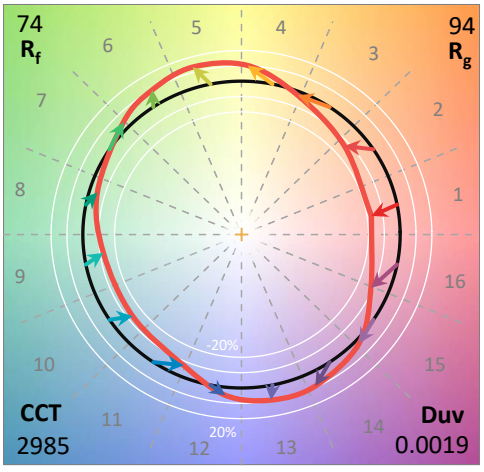
Test Information

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

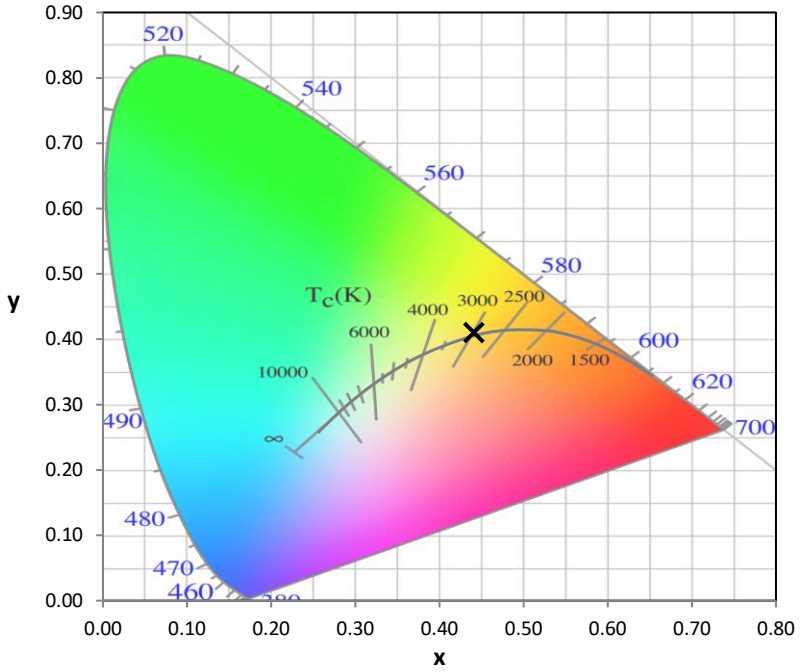
Stabilization Time:	36M
Operation Time:	1H 36M
Sphere Temperature (°C):	25.2

REPORT NUMBER: SP1-2407-184-4

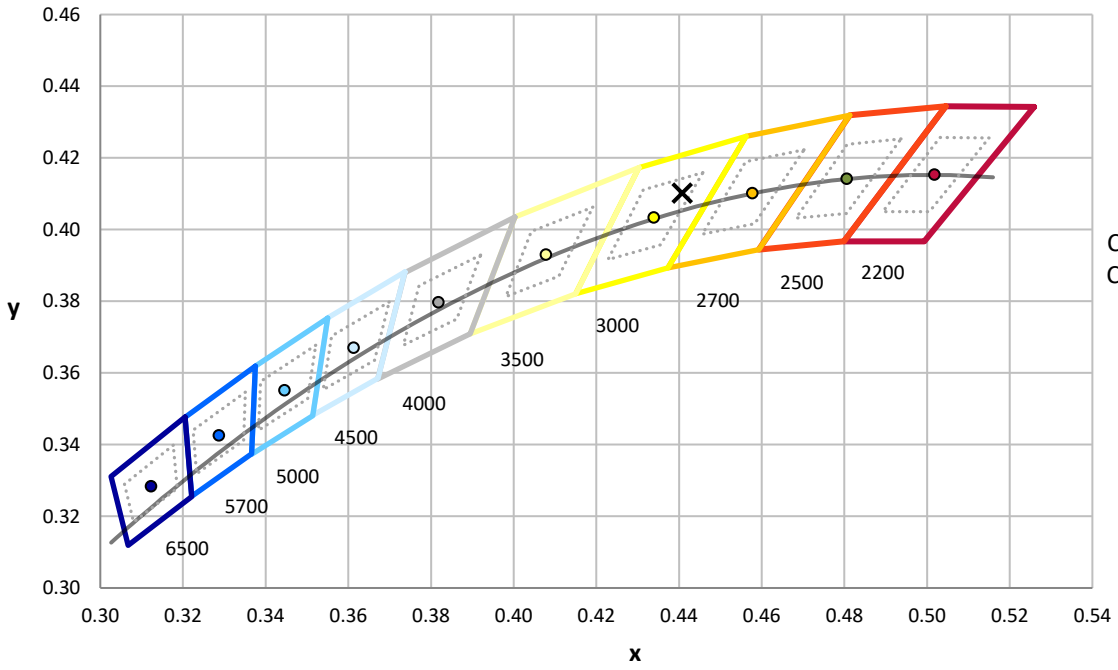
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

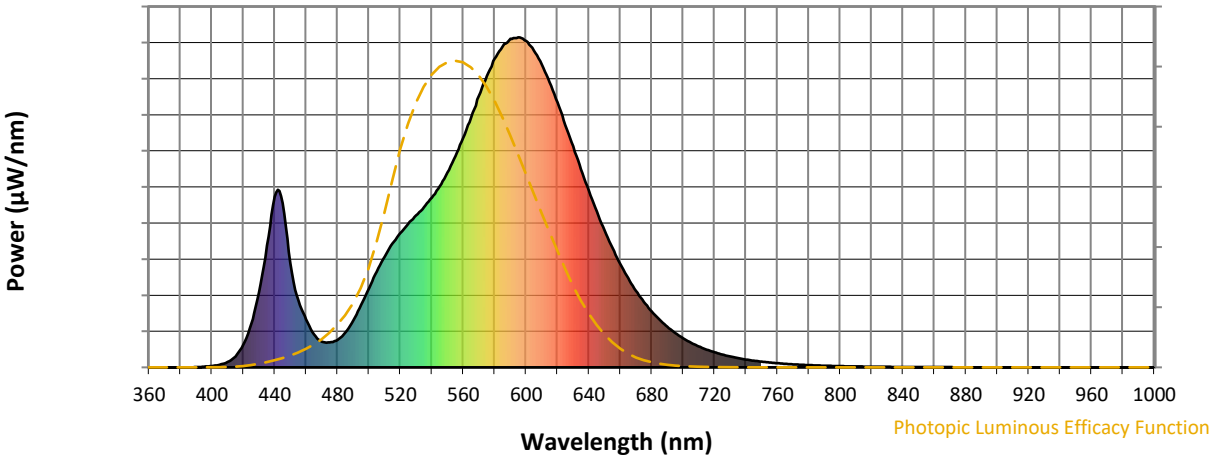


CCT = 2985K
CIE x = 0.4408
CIE y = 0.4101
Duv = 0.0019

Point lies inside the ANSI 3000K 4-step quadrangle

REPORT NUMBER: SP1-2407-184-4

Photopic Flux vs. Wavelength

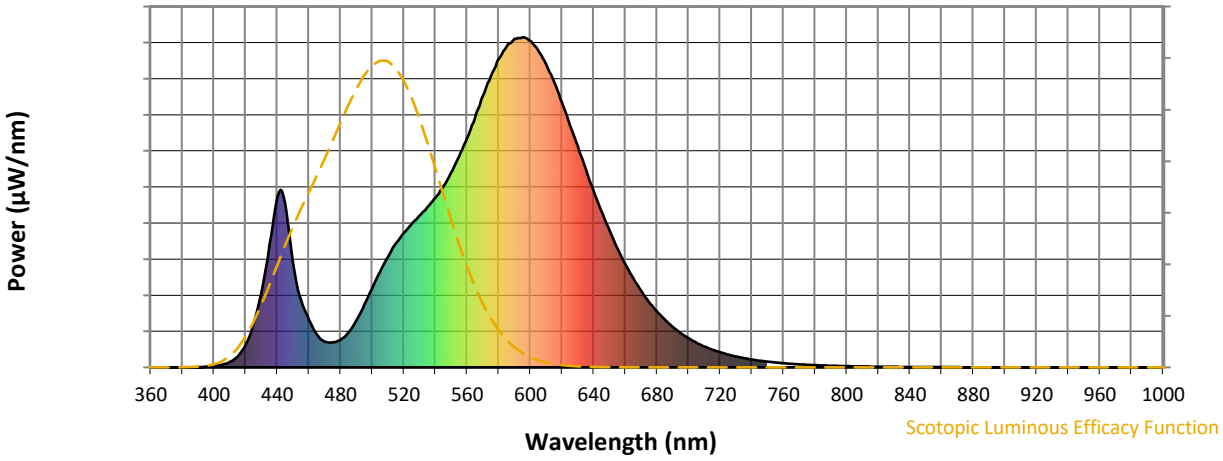


Photopic Lumens: NR

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

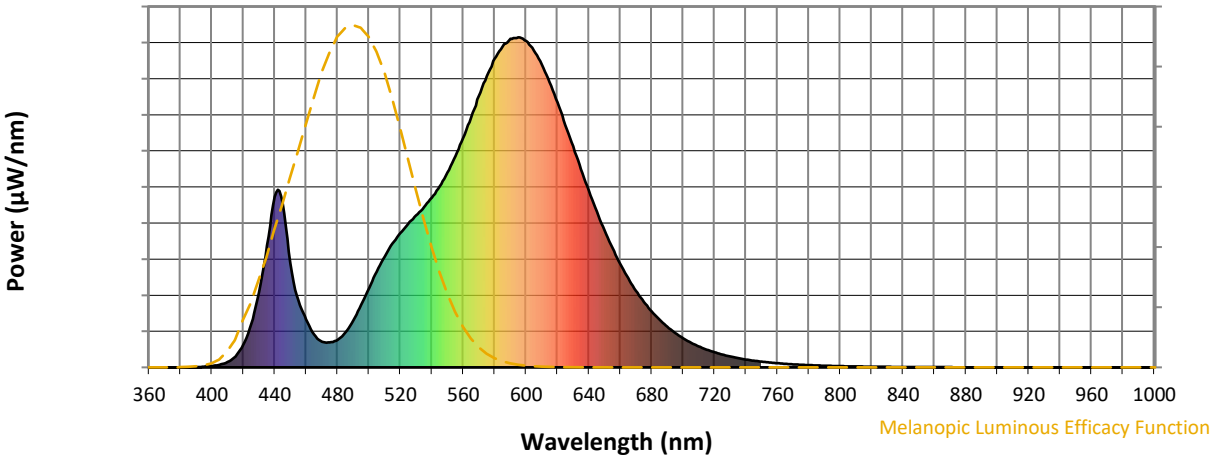


Scotopic Lumens: NR **S/P: 1.19**

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			

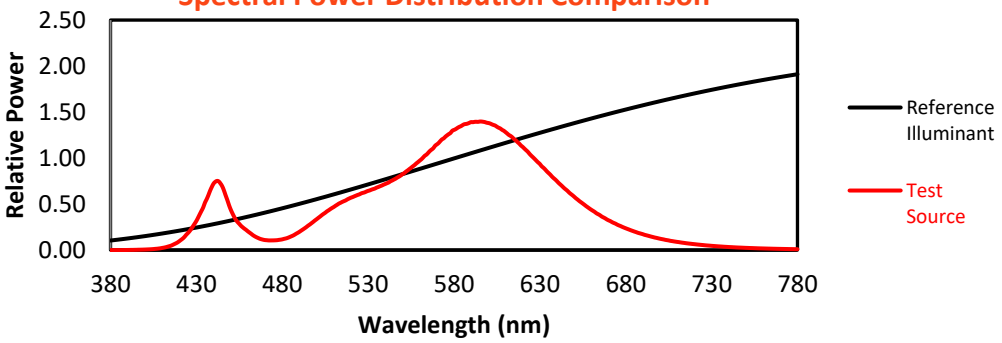
REPORT NUMBER: SP1-2407-184-4

TM-30-18

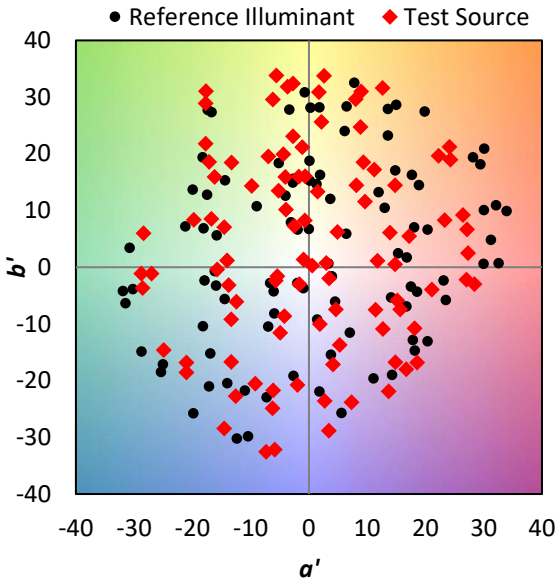
Summary

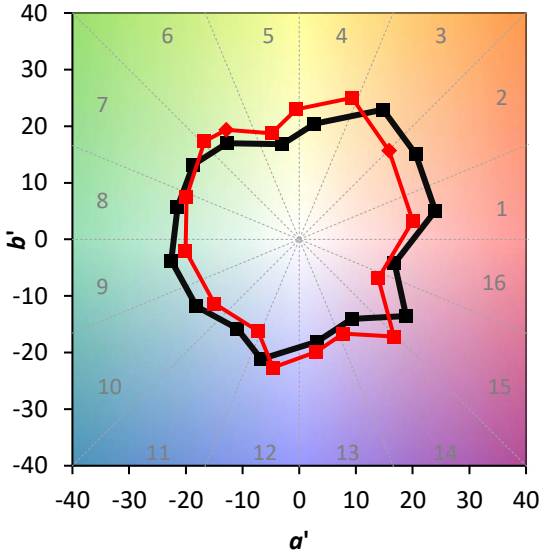
R_f = 73.8
R_g = 94.4
CIE R_a = 70.8
R_9 = -43.2

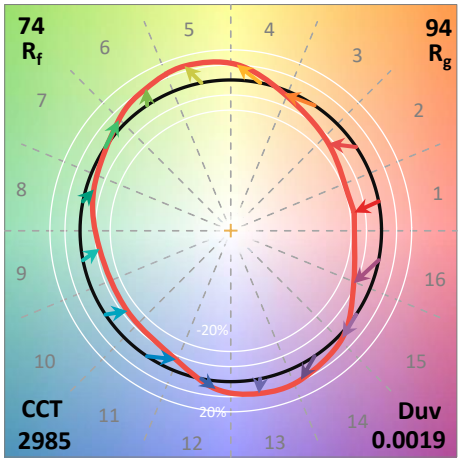
Spectral Power Distribution Comparison

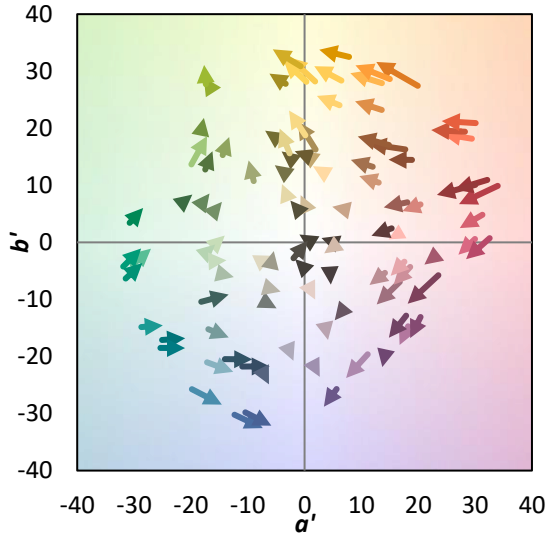


Color Vector Graphics







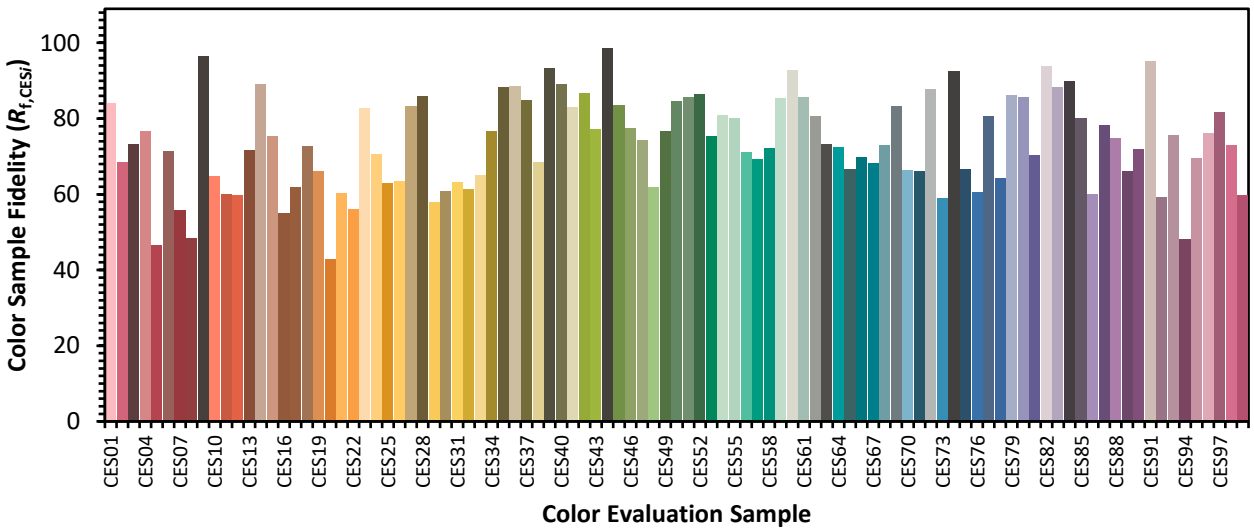


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Individual Sample Fidelity Index ($R_{f,i}$)

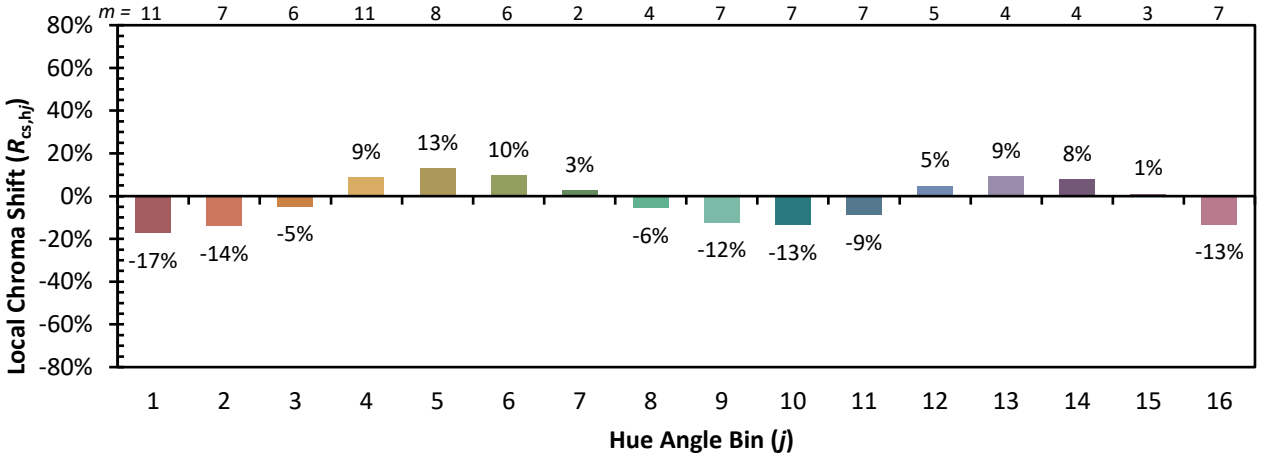
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CES02 = 62	CES27 = 83	CES52 = 86	CES77 = 81
CES03 = 31	CES28 = 86	CES53 = 75	CES78 = 64
CES04 = 71	CES29 = 58	CES54 = 81	CES79 = 86
CES05 = 49	CES30 = 61	CES55 = 80	CES80 = 86
CES06 = 51	CES31 = 63	CES56 = 71	CES81 = 70
CES07 = 41	CES32 = 61	CES57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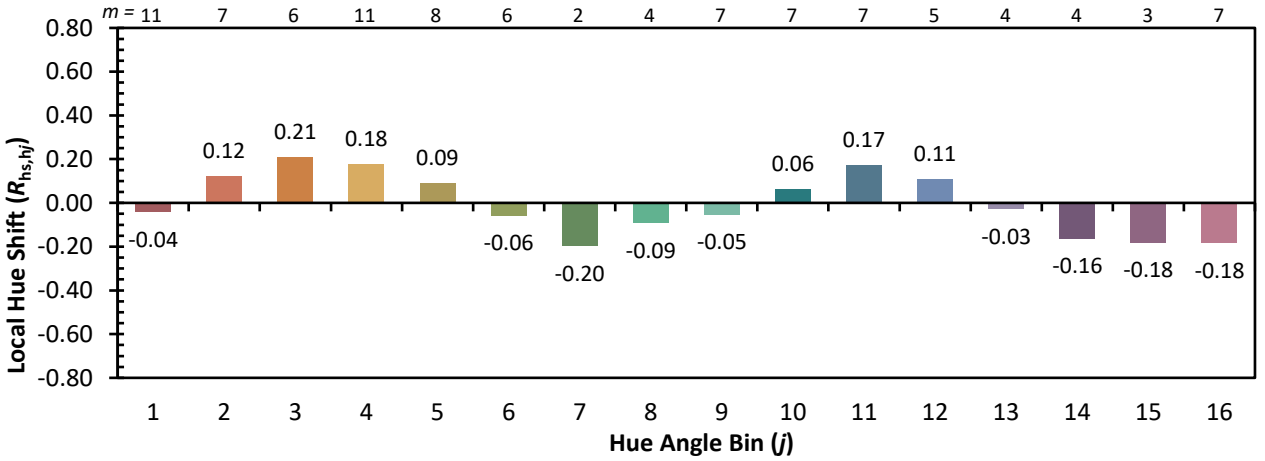


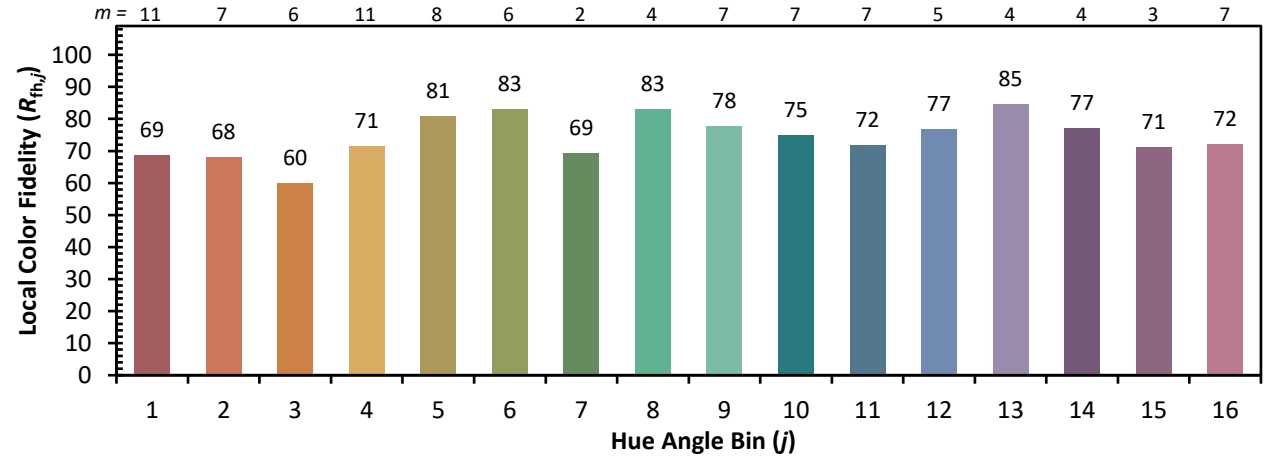
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Color Rendition by Hue-Angle Bin



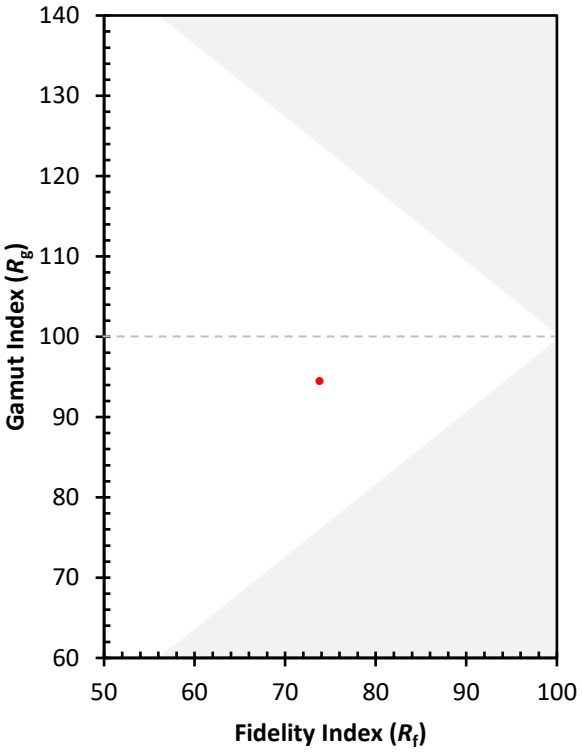


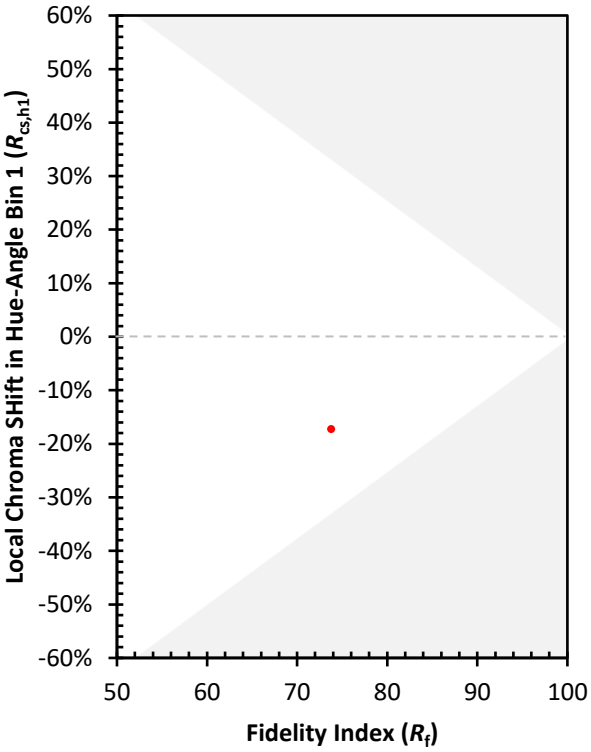


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Measure Comparisons





(END OF REPORT)