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: P1501922

Luminaire Tested: GSS-SB6B-830-U-T2LG-HSS

Issue Date: 07/20/2026

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Scaled Data Report

Test Information

Test Method:	LM-79-2024
Report Number:	P1501922
Test Lab:	INNOVATION CENTER(G1)
Issue Date:	7/20/2026
Manufacturer:	COOPER LIGHTING SOLUTIONS
Product Line:	McGRAW-EDISON
Catalog Number:	GSS-SB6B-830-U-T2LG-HSS
Description:	GALLEON II SLIM SITE HIGH DENSITY LED ARRAYS 6SQUARE 219W 80CRI 3000K FIXTURE w/ TYPE II LOW GLARE DISTRIBUTION FIXTURE W/ HOUSE SIDE SHIELD
Light Source:	(156) 3000K CCT, 80 CRI LEDS
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	23975.7 lumens
Efficiency:	N/A
Efficacy:	109.5 lumens/watt
Luminous Opening:	Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification:	Type II - Short
BUG Rating:	B2 - U0 - G2

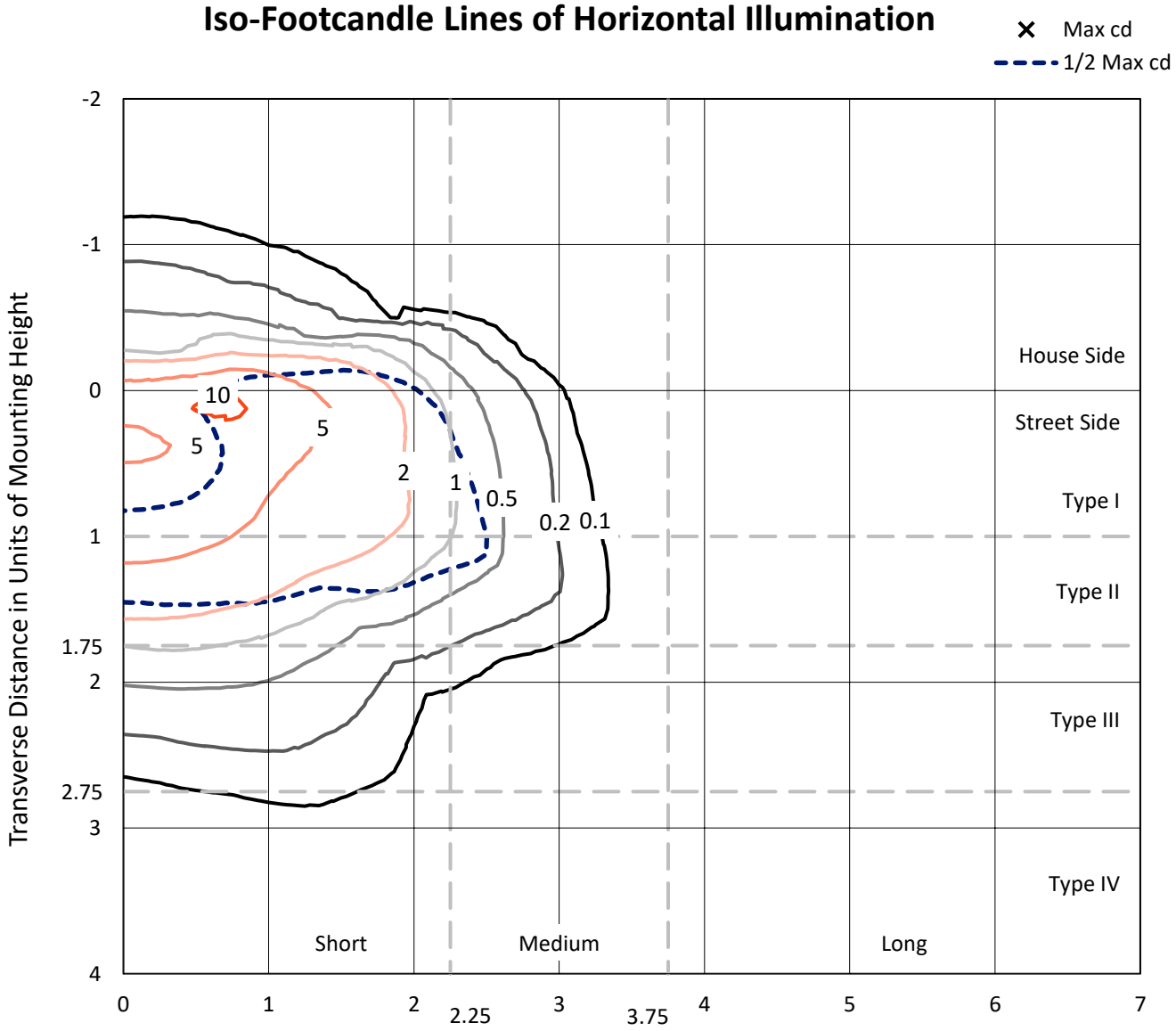
Input Watts (W):	219
Input Voltage (V):	120
Input Current (Ain):	NR
Voltage Rise (V):	NR
Power Factor:	0.98
Total Harmonic Distortion (THDi):	8.7%
Frequency (hertz):	60
Stabilization Time:	NR
Operation Time:	NR
Ambient Temperature (°C):	NR
Test Distance:	28.75 FT

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Iso-Footcandle Lines of Horizontal Illumination



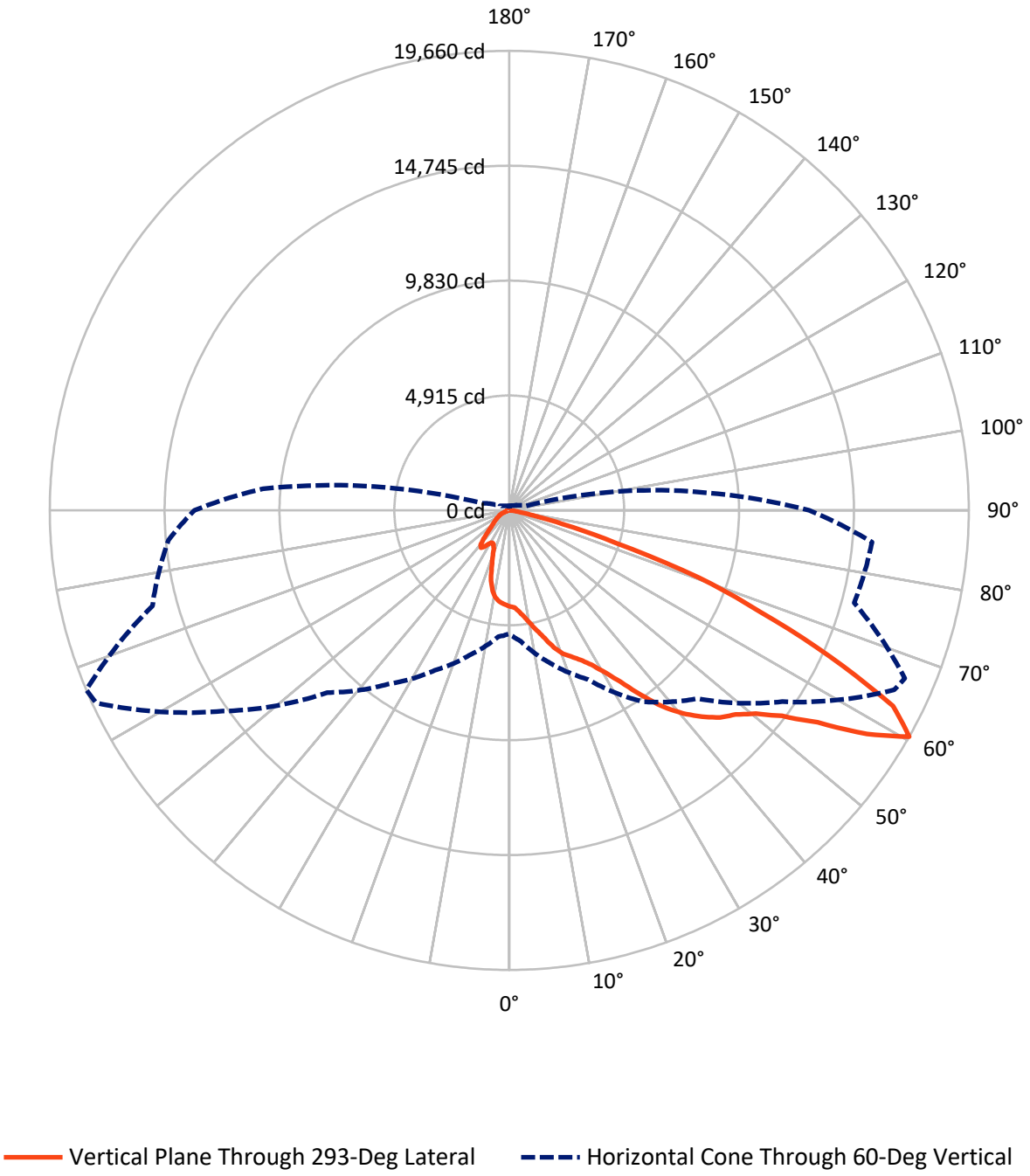
Based on 25 foot mounting height. Maximum calculated value = 10.9 fc
Type II - Short - N/A

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Luminous Intensity Polar Plot



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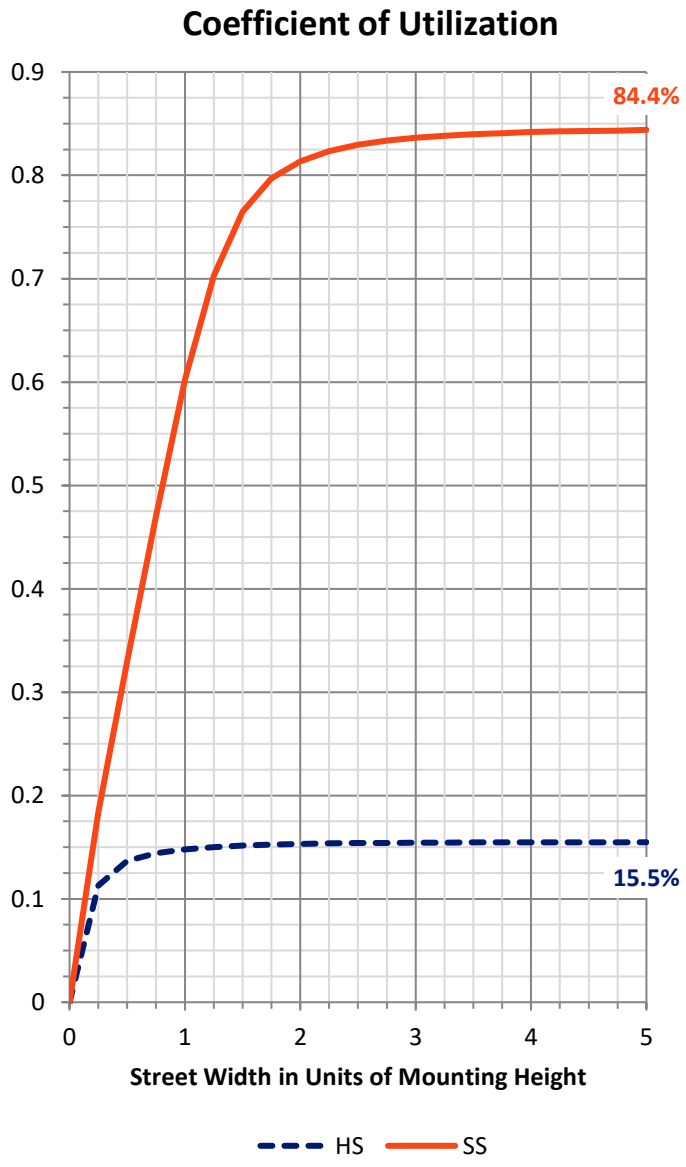
REPORT NUMBER: P1501922
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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3740.8	0.0	3740.8
	% Fixture	15.6	0.0	15.6
Street Side	Lumens	20234.9	0.0	20234.9
	% Fixture	84.4	0.0	84.4
Total	Lumens	23975.7	0.0	23975.7
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	372.0	1.6
10°-20°	937.1	3.9
20°-30°	1749.4	7.3
30°-40°	3469.2	14.5
40°-50°	5531.2	23.1
50°-60°	6608.4	27.6
60°-70°	4332.2	18.1
70°-80°	907.6	3.8
80°-90°	68.6	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°	23975.7	100.0
0°-180°	23975.7	100.0



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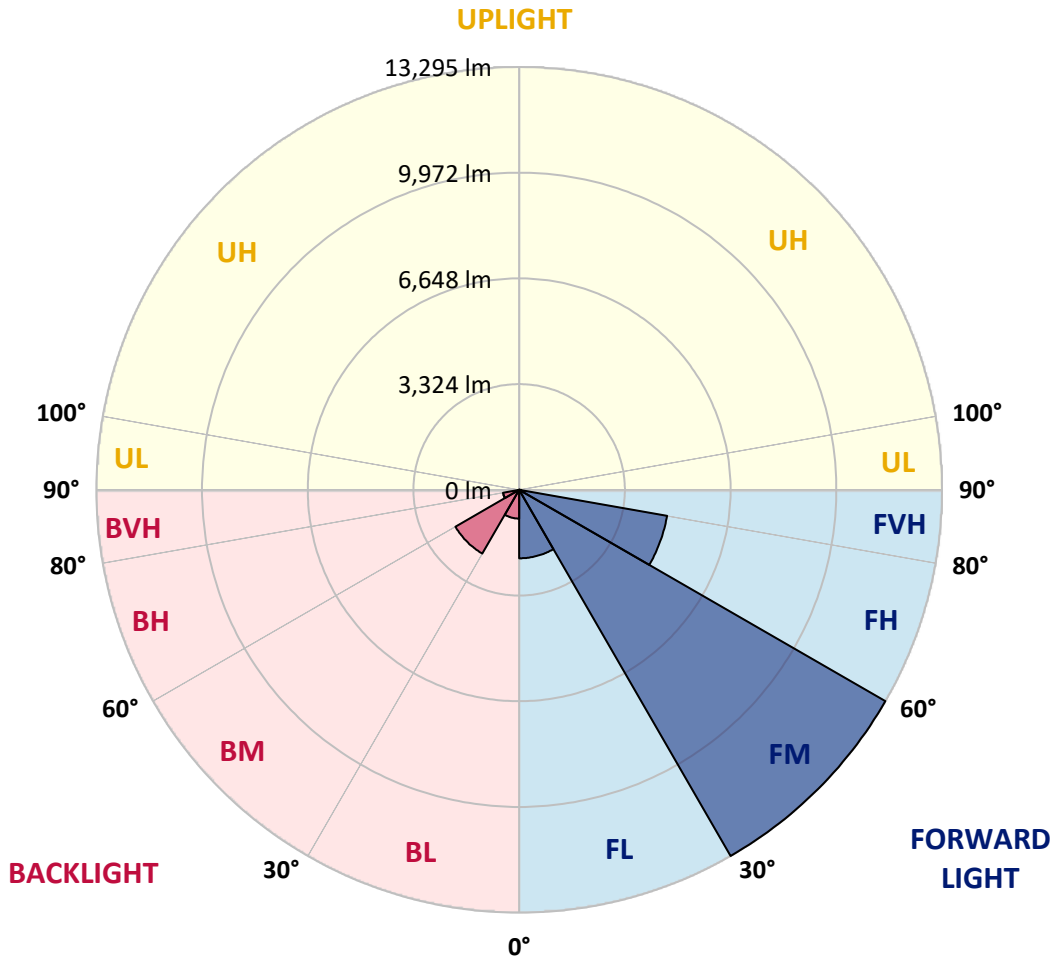
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	2153.5	9.0			
FM	(30°-60°)	13295.4	55.5			
FH	(60°-80°)	4723.1	19.7			G2/5000
FVH	(80°-90°)	62.9	0.3			G1/100
BL	(0°-30°)	905.0	3.8	B2/1000		
BM	(30°-60°)	2313.3	9.6	B2/2500		
BH	(60°-80°)	516.7	2.2	B2/1000		G2/1000
BVH	(80°-90°)	5.7	0.0			G0/10
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G2
Type II Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	67°	75°	85°
0°	4109.2	4109.2	4109.2	4109.2	4109.2	4109.2	4109.2	4109.2	4109.2	4109.2	4109.2
2.5°	4317.3	4303.9	4283.8	4290.5	4283.8	4256.9	4216.6	4183.0	4209.9	4169.6	4142.8
5°	4444.9	4444.9	4431.5	4431.5	4438.2	4424.8	4397.9	4350.9	4357.6	4324.0	4236.8
7.5°	4444.9	4424.8	4458.3	4491.9	4552.3	4585.9	4599.3	4572.5	4585.9	4518.8	4404.6
10°	4183.0	4169.6	4256.9	4384.5	4559.1	4713.5	4814.2	4820.9	4841.1	4773.9	4639.6
12.5°	3625.8	3598.9	3773.5	4015.2	4371.1	4726.9	5008.9	5116.3	5163.3	5136.5	4948.5
15°	3108.8	3142.3	3263.2	3525.0	4001.8	4545.6	5116.3	5472.2	5539.3	5572.9	5351.3
17.5°	3055.0	3061.7	3102.0	3229.6	3592.2	4250.2	5129.8	5841.5	5935.5	6083.2	5781.1
20°	3202.8	3189.3	3229.6	3269.9	3444.5	3988.3	5002.2	6197.4	6378.6	6694.2	6365.2
22.5°	3478.0	3478.0	3498.2	3525.0	3612.3	3968.2	4948.5	6526.4	6835.2	7479.8	7097.1
25°	3941.3	3887.6	3901.0	3867.5	3941.3	4209.9	5069.3	6788.2	7211.2	8352.7	7969.9
27.5°	4659.8	4679.9	4559.1	4377.8	4418.1	4646.3	5364.8	7083.7	7600.7	9259.1	8856.2
30°	5653.5	5619.9	5546.1	5190.2	5029.1	5230.5	5908.6	7567.1	8124.4	10407.3	10038.0
32.5°	6432.4	6526.4	6398.8	6150.4	5901.9	5962.4	6674.1	8346.0	8762.2	11461.4	11260.0
35°	7372.4	7372.4	7399.2	7050.1	6882.2	6868.8	7634.2	9192.0	9608.3	12414.9	12555.9
37.5°	8641.4	8554.1	8406.4	8016.9	7889.4	8057.2	8534.0	10064.8	10514.7	13187.0	13563.0
40°	9709.0	9769.4	9749.3	9185.2	8936.8	9118.1	9541.1	10810.1	11159.3	13683.9	14375.5
42.5°	10756.4	10790.0	10702.7	10434.1	10071.5	10085.0	10434.1	11374.1	11730.0	14160.6	15140.9
45°	11542.0	11535.3	11474.8	11407.7	11192.8	10971.3	11031.7	11998.6	12307.4	14315.0	15557.2
47.5°	11790.4	11844.1	11897.9	12085.9	12233.6	11884.4	11575.6	12334.3	12616.3	14288.2	15711.6
50°	11562.1	11676.3	11938.1	12220.1	12723.7	12696.9	12032.1	12696.9	12972.1	14435.9	15892.9
52.5°	11051.8	11166.0	11515.1	12025.4	12784.1	13160.2	12878.1	13307.9	13630.2	14811.9	16268.9
55°	9863.4	9910.4	10628.8	11300.3	12482.0	12958.7	13784.6	14341.9	14610.5	15268.5	16765.8
57.5°	8030.4	8144.5	8849.5	9944.0	11636.0	12428.3	14301.6	16107.8	16101.0	15704.9	16873.2
60°	*5284.2*	*5619.9*	*6768.1*	*7976.7*	*9997.7*	*11387.6*	*14268.0*	*18175.8*	*18383.9*	*15275.2*	*15577.3*
62.5°	4035.3	4176.3	4827.6	5834.8	7399.2	9440.4	14046.4	18793.5	18954.6	14120.3	13636.9
65°	3034.9	3209.5	3833.9	4733.6	5223.8	6398.8	12596.1	16336.0	16557.6	12602.9	10602.0
67.5°	1859.9	2000.9	2833.5	3887.6	3954.8	3974.9	8500.4	12374.6	12455.1	10165.5	7137.4
70°	1242.2	1383.2	1960.6	2987.9	3149.0	2289.6	4666.5	9366.5	9359.8	6956.1	4337.5
72.5°	718.4	785.6	1242.2	2202.3	2477.6	1457.0	2329.9	5955.6	5693.8	3269.9	2027.7
75°	409.6	456.6	684.9	1416.7	1739.0	926.6	919.9	3189.3	2820.0	1685.3	1107.9
77.5°	248.4	268.6	376.0	926.6	1047.4	624.4	510.3	1483.9	1430.2	987.0	584.1
80°	120.9	141.0	228.3	543.9	671.4	335.7	308.9	584.1	624.4	543.9	308.9
82.5°	40.3	53.7	127.6	208.1	436.4	134.3	127.6	322.3	342.4	322.3	147.7
85°	20.1	26.9	60.4	67.1	167.9	67.1	47.0	141.0	174.6	107.4	60.4
87.5°	0.0	6.7	6.7	6.7	6.7	6.7	6.7	13.4	13.4	13.4	13.4
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°	4109.2	4109.2	4109.2	4109.2	4109.2	4109.2	4109.2	4109.2	4109.2	4109.2	4109.2
2.5°	4122.6	4109.2	4082.3	4035.3	4028.6	3995.0	3941.3	3907.8	3880.9	3901.0	3907.8
5°	4196.5	4162.9	4082.3	3954.8	3820.5	3686.2	3558.6	3410.9	3310.2	3296.8	3269.9
7.5°	4330.8	4263.6	4089.0	3840.6	3498.2	3175.9	2799.9	2437.3	2256.0	2229.2	2168.7
10°	4545.6	4431.5	4142.8	3639.2	2981.2	2309.7	1739.0	1349.6	1128.0	1087.7	1101.2
12.5°	4800.8	4639.6	4149.5	3296.8	2269.5	1430.2	987.0	839.3	792.3	772.2	772.2
15°	5129.8	4894.8	4142.8	2853.6	1530.9	919.9	792.3	731.9	711.7	698.3	698.3
17.5°	5546.1	5237.2	4095.8	2188.9	1034.0	799.0	725.2	678.2	651.3	644.6	644.6
20°	6036.2	5619.9	3988.3	1631.6	866.2	745.3	684.9	624.4	604.3	590.9	590.9
22.5°	6660.6	6083.2	3780.2	1269.0	819.2	711.7	644.6	577.4	557.3	543.9	543.9
25°	7385.8	6674.1	3504.9	1141.4	812.4	684.9	604.3	537.1	517.0	510.3	503.6
27.5°	8245.2	7305.2	3249.8	1148.2	825.9	664.7	564.0	503.6	483.4	463.3	470.0
30°	9259.1	7956.5	3041.6	1228.7	839.3	644.6	537.1	483.4	463.3	436.4	436.4
32.5°	10259.5	8722.0	3021.5	1376.4	886.3	631.2	510.3	456.6	436.4	416.3	416.3
35°	11286.8	9420.3	3135.6	1571.2	980.3	611.0	476.7	429.7	409.6	396.1	389.4
37.5°	12267.1	9977.5	3243.0	1692.0	926.6	523.7	436.4	396.1	376.0	349.1	349.1
40°	12918.4	10279.7	3263.2	1598.0	765.4	470.0	396.1	355.9	329.0	315.6	308.9
42.5°	13395.2	10474.4	3034.9	1295.9	664.7	429.7	362.6	322.3	302.1	288.7	288.7
45°	13589.9	10407.3	2645.5	987.0	611.0	396.1	329.0	295.4	282.0	268.6	268.6
47.5°	13563.0	10098.4	2249.3	792.3	557.3	362.6	308.9	282.0	268.6	255.1	248.4
50°	13516.0	9809.7	1846.4	705.0	496.9	342.4	288.7	268.6	248.4	235.0	228.3
52.5°	13824.9	9715.7	1530.9	644.6	463.3	329.0	282.0	255.1	235.0	221.6	221.6
55°	14133.7	9756.0	1201.9	604.3	429.7	322.3	275.3	248.4	228.3	208.1	208.1
57.5°	14113.6	9581.4	913.2	564.0	402.9	315.6	268.6	241.7	208.1	194.7	194.7
60°	*12831.1*	*8547.4*	*711.7*	*517.0*	*369.3*	*295.4*	*248.4*	*228.3*	*194.7*	*174.6*	*174.6*
62.5°	10850.4	6721.1	584.1	456.6	329.0	268.6	228.3	208.1	174.6	141.0	141.0
65°	8016.9	4847.8	470.0	396.1	302.1	235.0	208.1	181.3	141.0	114.1	107.4
67.5°	5425.2	2981.2	376.0	329.0	268.6	201.4	174.6	154.4	127.6	94.0	87.3
70°	3216.2	1584.6	275.3	228.3	201.4	147.7	147.7	134.3	107.4	80.6	73.9
72.5°	1530.9	550.6	201.4	167.9	154.4	107.4	114.1	114.1	87.3	60.4	53.7
75°	778.9	268.6	134.3	120.9	100.7	80.6	94.0	87.3	60.4	40.3	40.3
77.5°	443.1	188.0	94.0	80.6	67.1	53.7	60.4	53.7	33.6	20.1	20.1
80°	248.4	134.3	60.4	53.7	40.3	33.6	33.6	26.9	20.1	6.7	6.7
82.5°	94.0	80.6	40.3	26.9	20.1	20.1	13.4	13.4	6.7	0.0	0.0
85°	40.3	20.1	20.1	13.4	13.4	6.7	6.7	6.7	0.0	0.0	0.0
87.5°	6.7	6.7	6.7	6.7	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

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CANDELA DISTRIBUTION (continued):

	185°	195°	205°	215°	225°	235°	245°	255°	265°	270°	275°
0°	4109.2	4109.2	4109.2	4109.2	4109.2	4109.2	4109.2	4109.2	4109.2	4109.2	4109.2
2.5°	3854.0	3867.5	3880.9	3934.6	3948.0	3988.3	4021.9	4062.2	4068.9	4122.6	4122.6
5°	3323.6	3316.9	3431.0	3598.9	3706.3	3854.0	3968.2	4089.0	4156.2	4243.5	4283.8
7.5°	2202.3	2370.2	2625.3	2920.7	3303.5	3659.3	3927.9	4162.9	4324.0	4424.8	4465.1
10°	1094.4	1188.4	1457.0	1940.5	2591.7	3316.9	3887.6	4324.0	4585.9	4700.1	4773.9
12.5°	772.2	792.3	839.3	1101.2	1725.6	2752.9	3760.0	4498.6	4861.2	5076.1	5170.1
15°	691.6	705.0	725.2	799.0	1067.6	2054.6	3531.8	4693.3	5290.9	5539.3	5660.2
17.5°	637.9	644.6	664.7	725.2	839.3	1396.6	3162.5	4901.5	5807.9	6110.1	6338.4
20°	590.9	590.9	611.0	684.9	778.9	1074.3	2632.0	5136.5	6465.9	6902.4	7130.7
22.5°	537.1	550.6	564.0	644.6	758.7	980.3	2135.2	5317.8	7197.8	7728.2	7996.8
25°	496.9	510.3	523.7	604.3	738.6	980.3	1846.4	5431.9	8016.9	8648.1	9017.4
27.5°	463.3	476.7	496.9	577.4	718.4	1020.6	1732.3	5465.5	8910.0	9729.1	10226.0
30°	436.4	449.9	470.0	557.3	731.9	1067.6	1772.6	5418.5	9816.4	10843.7	11434.6
32.5°	409.6	423.0	443.1	537.1	731.9	1128.0	1906.9	5324.5	10696.0	11958.3	12683.4
35°	389.4	396.1	402.9	483.4	664.7	1121.3	2074.7	5230.5	11582.3	13059.4	13905.4
37.5°	349.1	355.9	369.3	416.3	530.4	1020.6	2108.3	5116.3	12280.6	13986.0	14919.3
40°	308.9	322.3	335.7	382.7	443.1	825.9	1960.6	4874.6	12649.9	14697.7	15832.5
42.5°	282.0	288.7	302.1	349.1	409.6	658.0	1645.0	4451.6	12978.9	15181.2	16497.2
45°	261.9	268.6	282.0	315.6	382.7	570.7	1295.9	3934.6	13005.7	15335.6	16819.5
47.5°	241.7	248.4	255.1	288.7	369.3	510.3	993.7	3464.6	12999.0	15537.0	17094.8
50°	228.3	235.0	248.4	275.3	349.1	456.6	819.2	3081.9	13281.0	15973.5	17652.1
52.5°	221.6	221.6	241.7	268.6	329.0	416.3	684.9	2739.5	13428.7	16403.2	18054.9
55°	208.1	214.9	228.3	255.1	308.9	396.1	584.1	2309.7	13495.9	16618.0	18128.8
57.5°	194.7	201.4	221.6	241.7	295.4	376.0	503.6	1725.6	12535.7	15496.8	16893.3
60°	*174.6*	*188.0*	*214.9*	*235.0*	*275.3*	*342.4*	*443.1*	*1168.3*	*10575.1*	*13469.0*	*14637.3*
62.5°	141.0	167.9	194.7	208.1	248.4	288.7	376.0	778.9	8446.7	11145.8	12475.3
65°	107.4	141.0	161.1	181.3	208.1	241.7	315.6	530.4	5633.4	7499.9	8997.2
67.5°	94.0	120.9	134.3	147.7	174.6	208.1	255.1	369.3	3417.6	4505.3	5982.5
70°	73.9	100.7	114.1	107.4	134.3	161.1	181.3	248.4	1745.7	2444.0	3404.2
72.5°	53.7	80.6	87.3	87.3	80.6	114.1	134.3	174.6	758.7	1188.4	1544.3
75°	40.3	53.7	60.4	53.7	47.0	73.9	94.0	114.1	496.9	711.7	899.7
77.5°	20.1	20.1	33.6	33.6	20.1	40.3	47.0	67.1	282.0	416.3	517.0
80°	6.7	0.0	0.0	6.7	0.0	13.4	20.1	33.6	147.7	221.6	322.3
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.7	73.9	67.1	167.9
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	13.4	40.3
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

REPORT NUMBER: P1501922
CATALOG NUMBER: GSS-SB6B-830-U-T2LG-HSS

CANDELA DISTRIBUTION (continued):

	285°	293°	295°	305°	315°	325°	335°	345°	355°	360°
0°	4109.2	*4109.2*	4109.2	4109.2	4109.2	4109.2	4109.2	4109.2	4109.2	4109.2
2.5°	4156.2	*4156.2*	4183.0	4223.3	4243.5	4256.9	4263.6	4277.0	4330.8	4317.3
5°	4330.8	*4344.2*	4364.3	4404.6	4451.6	4438.2	4438.2	4438.2	4471.8	4444.9
7.5°	4559.1	*4599.3*	4606.1	4653.1	4619.5	4552.3	4512.1	4451.6	4444.9	4444.9
10°	4928.3	*4914.9*	4914.9	4854.5	4733.6	4538.9	4364.3	4243.5	4176.3	4183.0
12.5°	5324.5	*5270.8*	5277.5	5055.9	4713.5	4283.8	3927.9	3666.0	3645.9	3625.8
15°	5814.6	*5673.6*	5646.8	5136.5	4411.3	3753.3	3404.2	3196.0	3128.9	3108.8
17.5°	6512.9	*6157.1*	6029.5	4995.5	4015.2	3424.3	3162.5	3068.5	3061.7	3055.0
20°	7251.5	*6546.5*	6304.8	4787.3	3880.9	3431.0	3236.3	3209.5	3196.0	3202.8
22.5°	8111.0	*6794.9*	6486.1	4820.9	4001.8	3652.6	3498.2	3478.0	3464.6	3478.0
25°	8997.2	*7083.7*	6700.9	5089.5	4364.3	4062.2	3880.9	3840.6	3880.9	3941.3
27.5°	9890.3	*7473.1*	7123.9	5619.9	4948.5	4619.5	4444.9	4592.6	4653.1	4659.8
30°	10682.6	*8016.9*	7694.7	6365.2	5613.2	5284.2	5317.8	5505.8	5579.6	5653.5
32.5°	11407.7	*8742.1*	8493.7	7211.2	6472.6	6277.9	6257.8	6398.8	6479.4	6432.4
35°	12139.6	*9688.8*	9447.1	8131.1	7526.8	7365.7	7197.8	7473.1	7446.2	7372.4
37.5°	12831.1	*10642.3*	10420.7	9118.1	8493.7	8211.7	8184.8	8433.2	8654.8	8641.4
40°	13328.0	*11414.4*	11145.8	10098.4	9507.5	9265.8	9406.8	9836.5	9782.8	9709.0
42.5°	13784.6	*12072.4*	11830.7	10957.8	10340.1	10447.5	10575.1	10863.8	10830.3	10756.4
45°	13999.4	*12636.4*	12428.3	11609.1	11307.0	11649.4	11642.7	11750.1	11568.8	11542.0
47.5°	14301.6	*13039.3*	12824.4	12193.3	12461.9	12602.9	12206.7	12092.6	11924.7	11790.4
50°	14858.9	*13663.7*	13448.9	13079.6	13307.9	12871.4	12388.0	12139.6	11797.1	11562.1
52.5°	15510.2	*14610.5*	14422.5	14274.7	13636.9	12737.1	12119.4	11669.6	11253.3	11051.8
55°	16329.3	*16007.0*	15872.8	15060.3	13341.4	12186.6	11461.4	10622.1	10051.4	9863.4
57.5°	16597.9	*18054.9*	18007.9	15187.9	12515.6	11186.1	9876.8	8742.1	8151.2	8030.4
60°	*15805.6*	*19659.7*	*19491.8*	*14973.0*	*11018.3*	*9077.8*	*7546.9*	*6385.4*	*5425.2*	*5284.2*
62.5°	14791.7	*18430.9*	18370.5	13892.0	8393.0	6506.2	5640.1	4552.3	4142.8	4035.3
65°	12670.0	*15080.5*	15107.3	11145.8	5311.1	4673.2	4632.9	3619.0	3115.5	3034.9
67.5°	9756.0	*11568.8*	11380.8	7009.8	3095.3	3739.9	3699.6	2645.5	1913.6	1859.9
70°	5700.5	*8614.5*	8312.4	3645.9	2047.9	3122.2	2846.9	1859.9	1302.6	1242.2
72.5°	2517.9	*4740.3*	5089.5	1604.7	1443.6	2484.3	2054.6	1141.4	731.9	718.4
75°	1396.6	*2350.0*	2457.5	698.3	1013.9	1765.9	1242.2	637.9	416.3	409.6
77.5°	839.3	*1040.7*	1013.9	449.9	758.7	1128.0	752.0	362.6	261.9	248.4
80°	470.0	*476.7*	402.9	329.0	449.9	631.2	423.0	228.3	120.9	120.9
82.5°	288.7	*261.9*	208.1	100.7	120.9	382.7	154.4	127.6	40.3	40.3
85°	120.9	*80.6*	53.7	20.1	47.0	100.7	53.7	60.4	20.1	20.1
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: SP1-2407-184-9

Test Date: 10/10/2024

Luminaire Tested: GSS-SB1A-830-U-5WQ

Data in this report applies to families of products including GSS-SB1A-830-U-5WQ

Report Generated By FNC07603 / LDUCLS01DT446
Version: v7.04

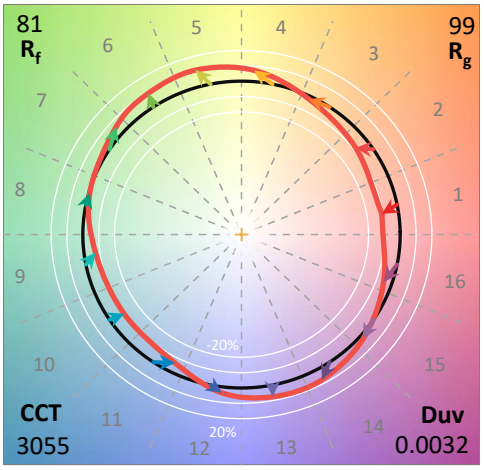
Test Information

Test Method:	LM-79-2019
Report Number:	SP1-2407-184-9
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-830-U-5WQ**
Description:	GALLEON II SITE SLIM 1SQ 350MA 5WQ HIGH DENSITY LIGHTSQUARE WITH 80 CRI 3000K CCT 26 LEDS

Spectral Parameters

CCT (K):	3055
CIE u':	0.2475
CIE v':	0.5247
Duv:	0.0032
CIE x:	0.4377
CIE y:	0.4124
CIE z:	0.1499
Peak Wavelength (nm):	604
Dominant Wavelength (nm):	581
Purity:	55.16339
Rf:	81.5
Rg:	99.2

CRI (Ra):	80.9
R1:	79.5
R2:	85.6
R3:	92.1
R4:	82.4
R5:	78.9
R6:	81.7
R7:	85.1
R8:	61.9
R9:	6.8
R10:	67.1
R11:	82.5
R12:	63.4
R13:	80.2
R14:	95.1
R15:	71.7



Test Conditions

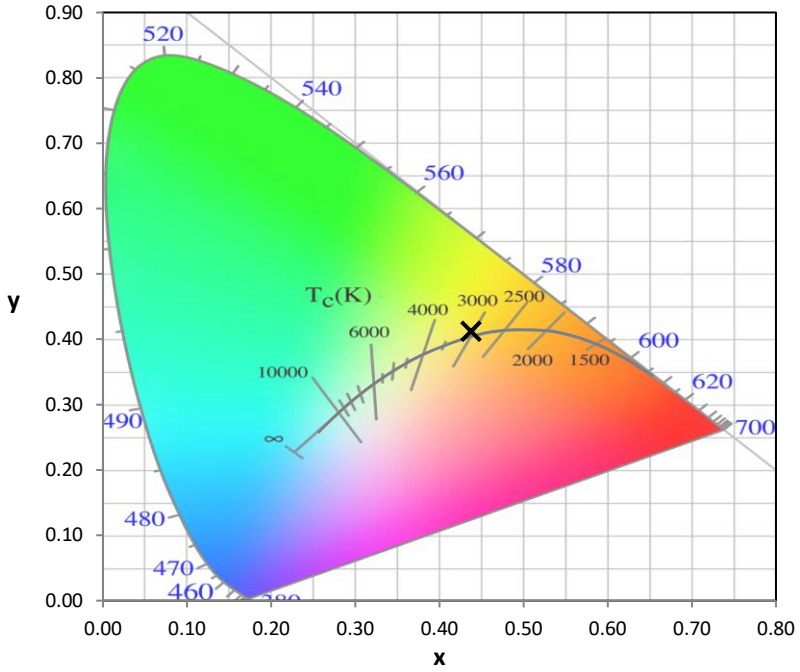
Stabilization Time:	20M
Operation Time:	1H 20M
Sphere Temperature (°C):	25.2

REPORT NUMBER: SP1-2407-184-9

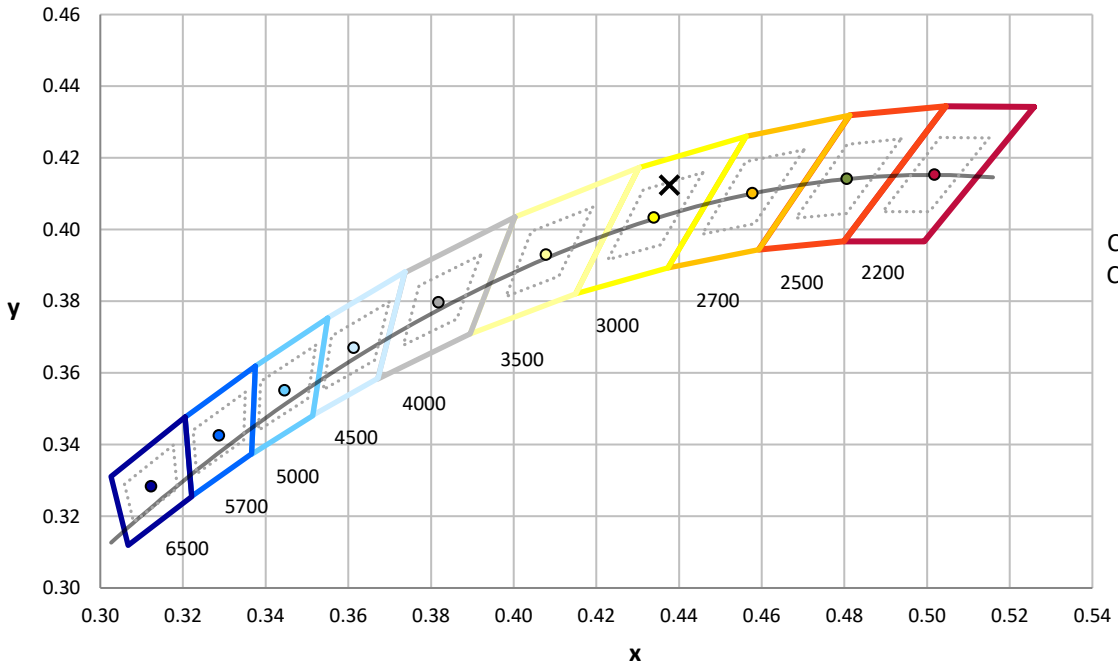
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

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CIE 1931 Chromaticity Diagram



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

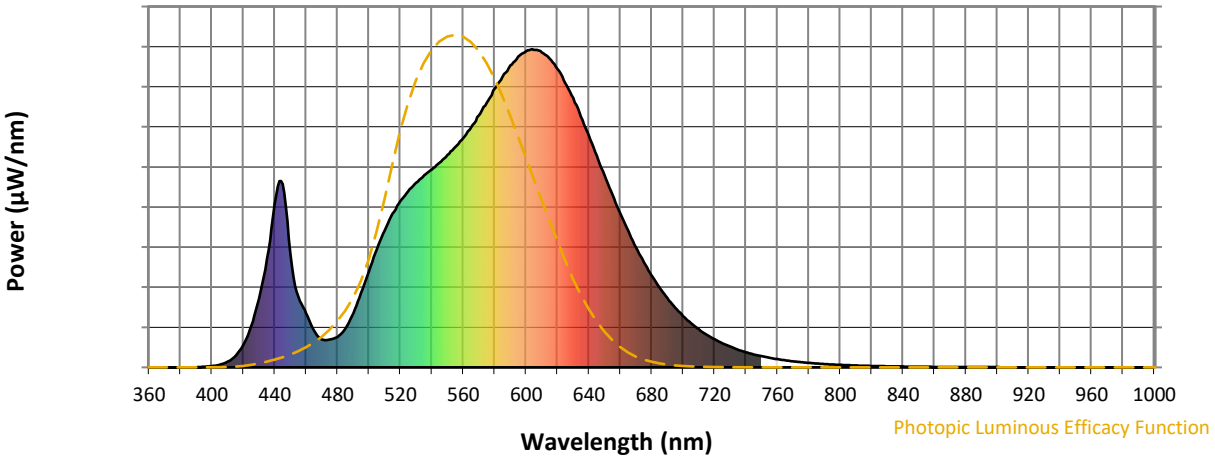


CCT = 3055K
CIE x = 0.4377
CIE y = 0.4124
Duv = 0.0032

Point lies inside the ANSI 3000K 4-step quadrangle

REPORT NUMBER: SP1-2407-184-9

Photopic Flux vs. Wavelength

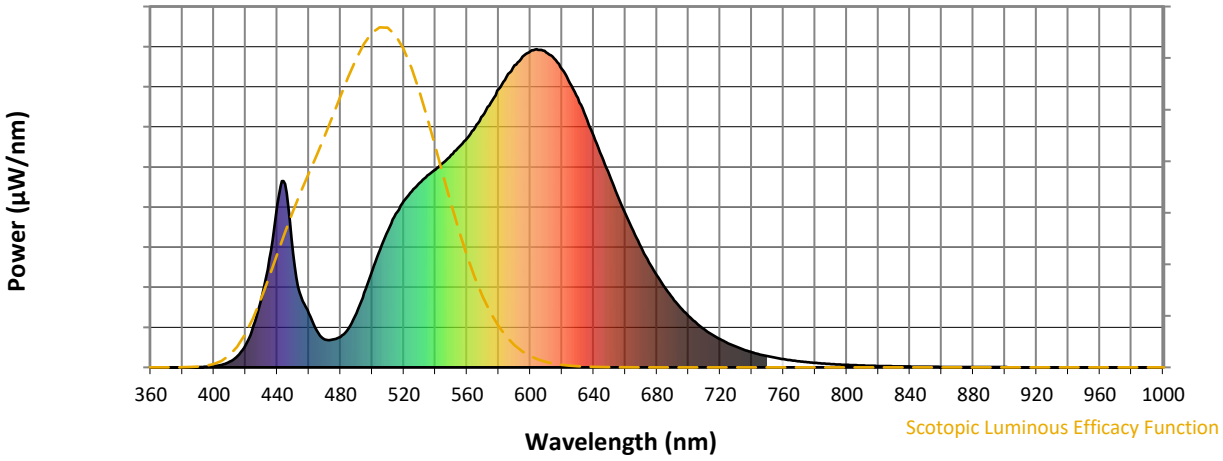


Photopic Lumens: NR

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	170	NR	620	938	NR	750	35	NR	880	1	NR
365	0	NR	495	234	NR	625	894	NR	755	30	NR	885	1	NR
370	0	NR	500	302	NR	630	847	NR	760	26	NR	890	1	NR
375	0	NR	505	371	NR	635	788	NR	765	22	NR	895	1	NR
380	0	NR	510	431	NR	640	728	NR	770	19	NR	900	1	NR
385	0	NR	515	482	NR	645	665	NR	775	16	NR	905	1	NR
390	0	NR	520	523	NR	650	603	NR	780	14	NR	910	0	NR
395	2	NR	525	553	NR	655	542	NR	785	12	NR	915	0	NR
400	4	NR	530	580	NR	660	484	NR	790	11	NR	920	0	NR
405	8	NR	535	603	NR	665	430	NR	795	9	NR	925	0	NR
410	18	NR	540	622	NR	670	377	NR	800	8	NR	930	0	NR
415	36	NR	545	644	NR	675	330	NR	805	7	NR	935	0	NR
420	71	NR	550	668	NR	680	289	NR	810	6	NR	940	0	NR
425	131	NR	555	693	NR	685	250	NR	815	5	NR	945	0	NR
430	215	NR	560	720	NR	690	218	NR	820	4	NR	950	0	NR
435	341	NR	565	754	NR	695	188	NR	825	4	NR	955	0	NR
440	514	NR	570	792	NR	700	161	NR	830	3	NR	960	0	NR
445	576	NR	575	832	NR	705	139	NR	835	3	NR	965	0	NR
450	358	NR	580	875	NR	710	119	NR	840	3	NR	970	0	NR
455	222	NR	585	913	NR	715	102	NR	845	2	NR	975	0	NR
460	170	NR	590	950	NR	720	88	NR	850	2	NR	980	0	NR
465	115	NR	595	977	NR	725	76	NR	855	2	NR	985	0	NR
470	88	NR	600	994	NR	730	65	NR	860	1	NR	990	0	NR
475	87	NR	605	997	NR	735	56	NR	865	1	NR	995	0	NR
480	96	NR	610	990	NR	740	47	NR	870	1	NR	1000	0	NR
485	122	NR	615	971	NR	745	41	NR	875	1	NR			

REPORT NUMBER: SP1-2407-184-9

Scotopic Flux vs. Wavelength

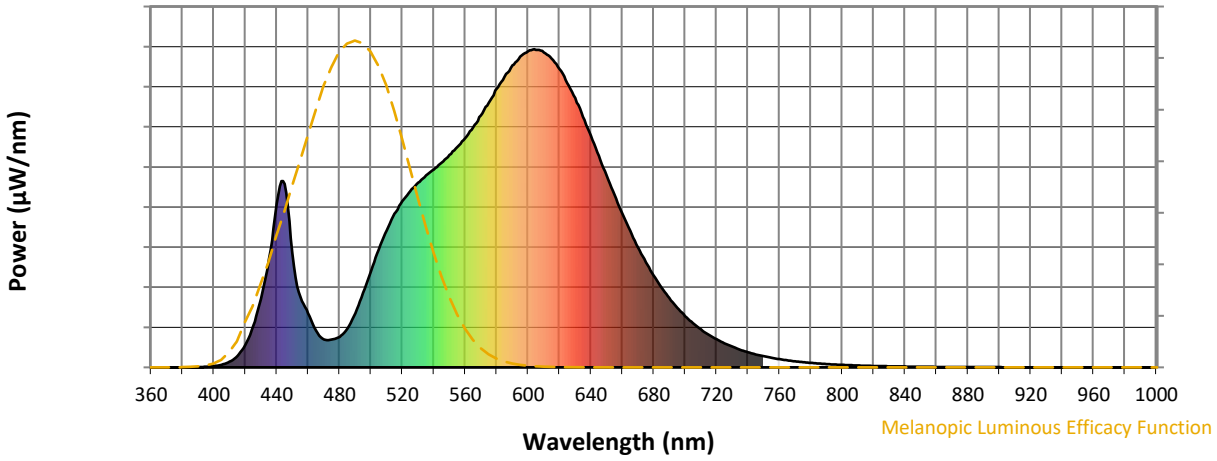


Scotopic Lumens: NR **S/P: 1.28**

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	170	NR	620	938	NR	750	35	NR	880	1	NR
365	0	NR	495	234	NR	625	894	NR	755	30	NR	885	1	NR
370	0	NR	500	302	NR	630	847	NR	760	26	NR	890	1	NR
375	0	NR	505	371	NR	635	788	NR	765	22	NR	895	1	NR
380	0	NR	510	431	NR	640	728	NR	770	19	NR	900	1	NR
385	0	NR	515	482	NR	645	665	NR	775	16	NR	905	1	NR
390	0	NR	520	523	NR	650	603	NR	780	14	NR	910	0	NR
395	2	NR	525	553	NR	655	542	NR	785	12	NR	915	0	NR
400	4	NR	530	580	NR	660	484	NR	790	11	NR	920	0	NR
405	8	NR	535	603	NR	665	430	NR	795	9	NR	925	0	NR
410	18	NR	540	622	NR	670	377	NR	800	8	NR	930	0	NR
415	36	NR	545	644	NR	675	330	NR	805	7	NR	935	0	NR
420	71	NR	550	668	NR	680	289	NR	810	6	NR	940	0	NR
425	131	NR	555	693	NR	685	250	NR	815	5	NR	945	0	NR
430	215	NR	560	720	NR	690	218	NR	820	4	NR	950	0	NR
435	341	NR	565	754	NR	695	188	NR	825	4	NR	955	0	NR
440	514	NR	570	792	NR	700	161	NR	830	3	NR	960	0	NR
445	576	NR	575	832	NR	705	139	NR	835	3	NR	965	0	NR
450	358	NR	580	875	NR	710	119	NR	840	3	NR	970	0	NR
455	222	NR	585	913	NR	715	102	NR	845	2	NR	975	0	NR
460	170	NR	590	950	NR	720	88	NR	850	2	NR	980	0	NR
465	115	NR	595	977	NR	725	76	NR	855	2	NR	985	0	NR
470	88	NR	600	994	NR	730	65	NR	860	1	NR	990	0	NR
475	87	NR	605	997	NR	735	56	NR	865	1	NR	995	0	NR
480	96	NR	610	990	NR	740	47	NR	870	1	NR	1000	0	NR
485	122	NR	615	971	NR	745	41	NR	875	1	NR			

REPORT NUMBER: SP1-2407-184-9

Melanopic Flux vs. Wavelength



Melanopic Lumens: NR **M/P: 2.33**

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	170	NR	620	938	NR	750	35	NR	880	1	NR
365	0	NR	495	234	NR	625	894	NR	755	30	NR	885	1	NR
370	0	NR	500	302	NR	630	847	NR	760	26	NR	890	1	NR
375	0	NR	505	371	NR	635	788	NR	765	22	NR	895	1	NR
380	0	NR	510	431	NR	640	728	NR	770	19	NR	900	1	NR
385	0	NR	515	482	NR	645	665	NR	775	16	NR	905	1	NR
390	0	NR	520	523	NR	650	603	NR	780	14	NR	910	0	NR
395	2	NR	525	553	NR	655	542	NR	785	12	NR	915	0	NR
400	4	NR	530	580	NR	660	484	NR	790	11	NR	920	0	NR
405	8	NR	535	603	NR	665	430	NR	795	9	NR	925	0	NR
410	18	NR	540	622	NR	670	377	NR	800	8	NR	930	0	NR
415	36	NR	545	644	NR	675	330	NR	805	7	NR	935	0	NR
420	71	NR	550	668	NR	680	289	NR	810	6	NR	940	0	NR
425	131	NR	555	693	NR	685	250	NR	815	5	NR	945	0	NR
430	215	NR	560	720	NR	690	218	NR	820	4	NR	950	0	NR
435	341	NR	565	754	NR	695	188	NR	825	4	NR	955	0	NR
440	514	NR	570	792	NR	700	161	NR	830	3	NR	960	0	NR
445	576	NR	575	832	NR	705	139	NR	835	3	NR	965	0	NR
450	358	NR	580	875	NR	710	119	NR	840	3	NR	970	0	NR
455	222	NR	585	913	NR	715	102	NR	845	2	NR	975	0	NR
460	170	NR	590	950	NR	720	88	NR	850	2	NR	980	0	NR
465	115	NR	595	977	NR	725	76	NR	855	2	NR	985	0	NR
470	88	NR	600	994	NR	730	65	NR	860	1	NR	990	0	NR
475	87	NR	605	997	NR	735	56	NR	865	1	NR	995	0	NR
480	96	NR	610	990	NR	740	47	NR	870	1	NR	1000	0	NR
485	122	NR	615	971	NR	745	41	NR	875	1	NR			

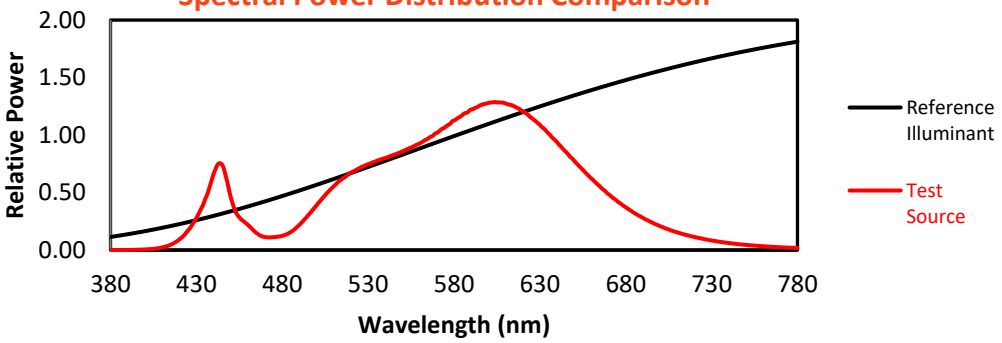
REPORT NUMBER: SP1-2407-184-9

TM-30-18

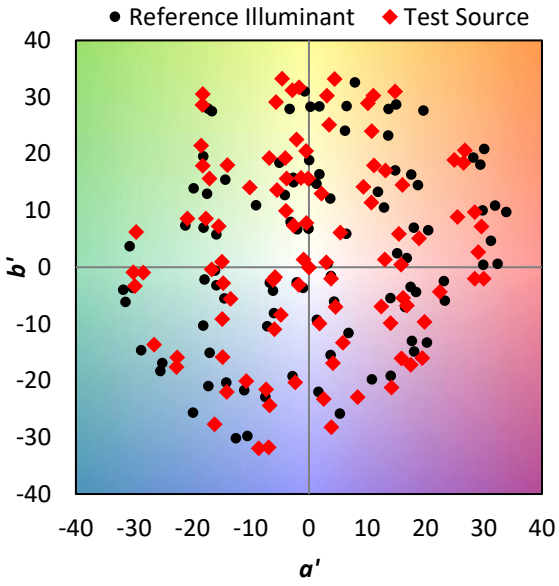
Summary

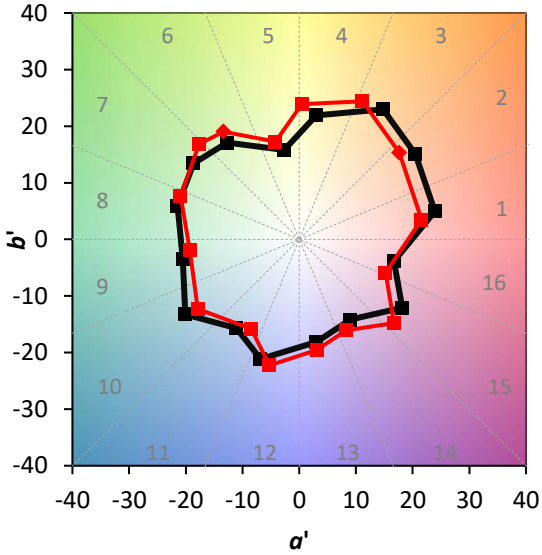
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R_g = 99.2
CIE R_a = 80.9
R_9 = 6.8

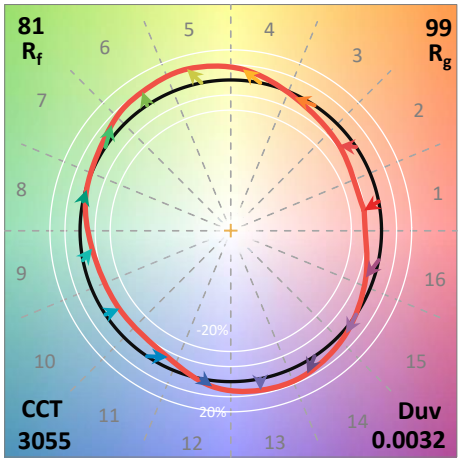
Spectral Power Distribution Comparison

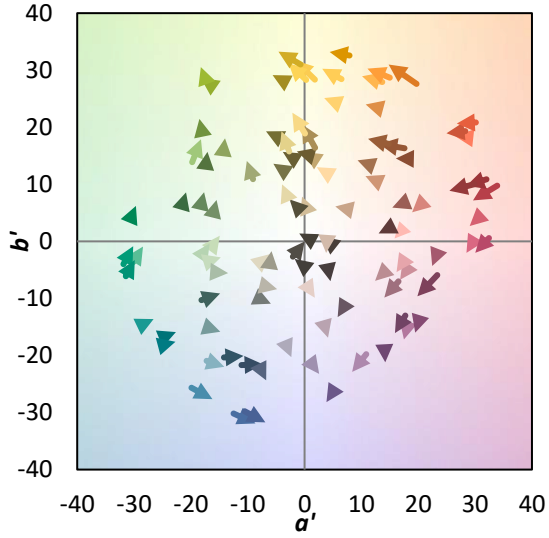


Color Vector Graphics







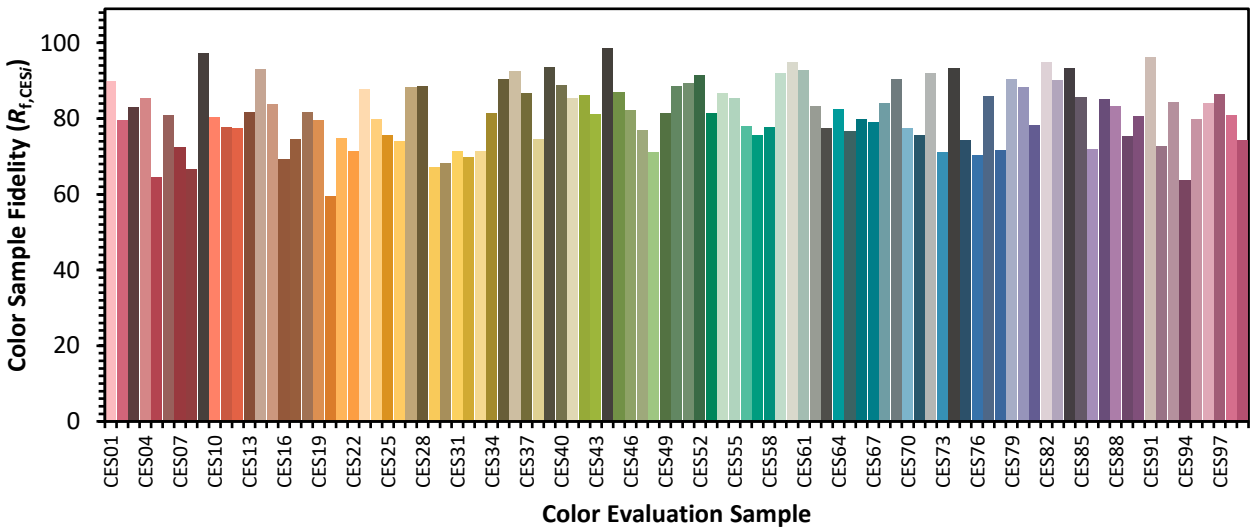


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Individual Sample Fidelity Index ($R_{f,i}$)

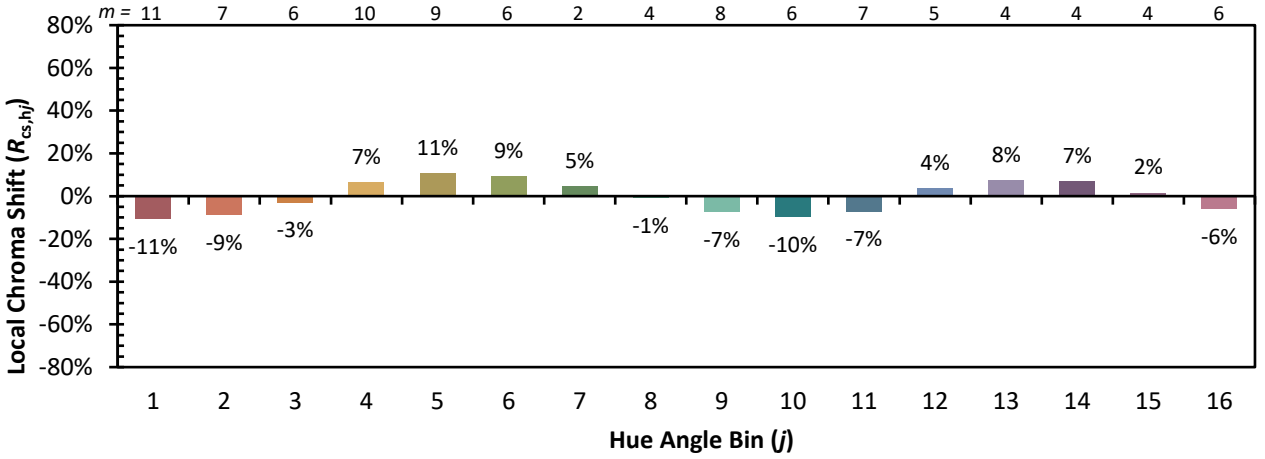
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CES02 = 63	CES27 = 88	CES52 = 91	CES77 = 86
CES03 = 31	CES28 = 89	CES53 = 81	CES78 = 72
CES04 = 70	CES29 = 67	CES54 = 87	CES79 = 90
CES05 = 50	CES30 = 68	CES55 = 85	CES80 = 88
CES06 = 51	CES31 = 71	CES56 = 78	CES81 = 78
CES07 = 42	CES32 = 70	CES57 = 76	CES82 = 95
CES08 = 41	CES33 = 71	CES58 = 78	CES83 = 90
CES09 = 29	CES34 = 82	CES59 = 92	CES84 = 93
CES10 = 76	CES35 = 90	CES60 = 95	CES85 = 86
CES11 = 59	CES36 = 93	CES61 = 93	CES86 = 72
CES12 = 65	CES37 = 87	CES62 = 83	CES87 = 85
CES13 = 43	CES38 = 75	CES63 = 77	CES88 = 83
CES14 = 74	CES39 = 94	CES64 = 83	CES89 = 75
CES15 = 71	CES40 = 89	CES65 = 77	CES90 = 81
CES16 = 47	CES41 = 85	CES66 = 80	CES91 = 96
CES17 = 50	CES42 = 86	CES67 = 79	CES92 = 73
CES18 = 56	CES43 = 81	CES68 = 84	CES93 = 84
CES19 = 72	CES44 = 99	CES69 = 90	CES94 = 64
CES20 = 66	CES45 = 87	CES70 = 77	CES95 = 80
CES21 = 87	CES46 = 82	CES71 = 76	CES96 = 84
CES22 = 79	CES47 = 77	CES72 = 92	CES97 = 87
CES23 = 92	CES48 = 71	CES73 = 71	CES98 = 81
CES24 = 91	CES49 = 81	CES74 = 93	CES99 = 74
CES25 = 72	CES50 = 89	CES75 = 74	

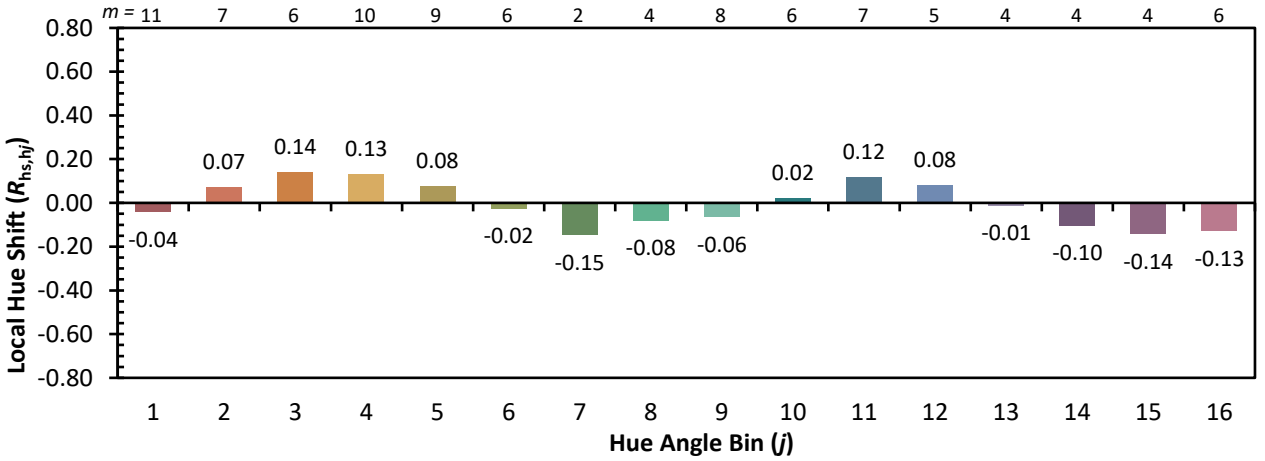


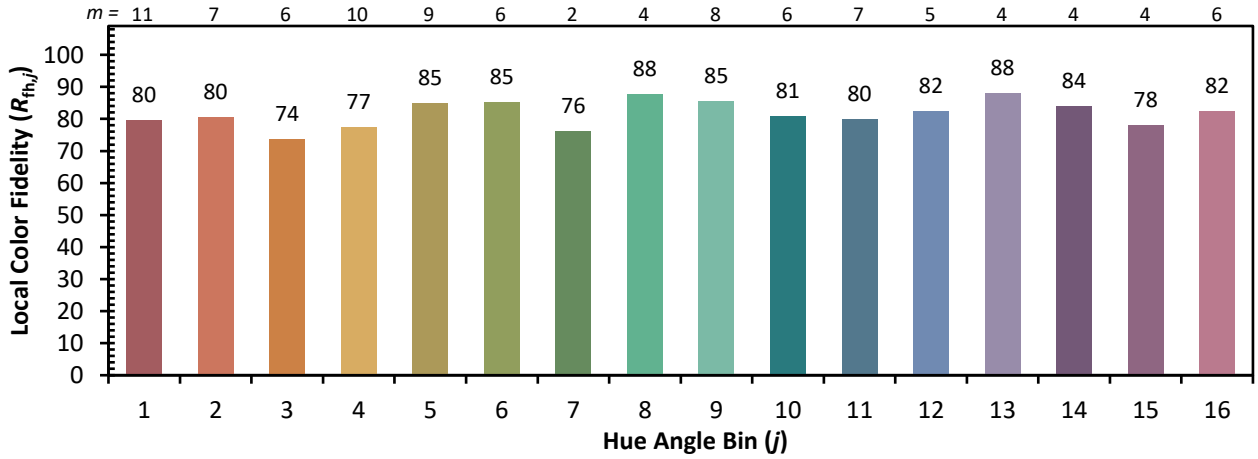
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Color Rendition by Hue-Angle Bin



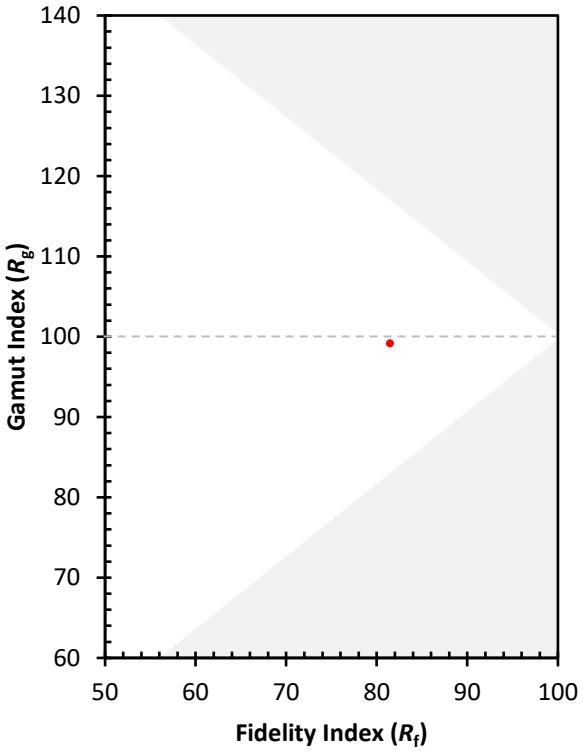


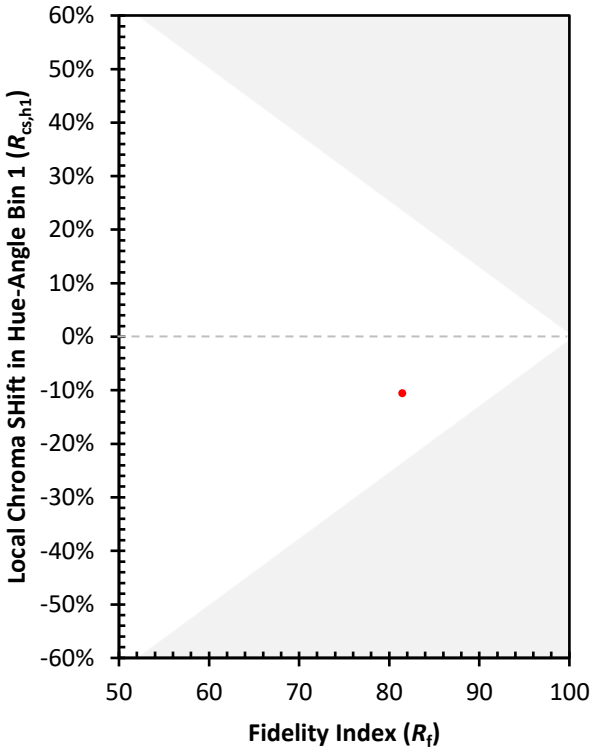


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Measure Comparisons





(END OF REPORT)