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: P1501923

Luminaire Tested: GSS-SB6C-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:	P1501923
Test Lab:	INNOVATION CENTER(G1)
Issue Date:	7/20/2026
Manufacturer:	COOPER LIGHTING SOLUTIONS
Product Line:	McGRAW-EDISON
Catalog Number:	GSS-SB6C-830-U-T2LG-HSS
Description:	GALLEON II SLIM SITE HIGH DENSITY LED ARRAYS 6SQUARE 300W 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:	31617.4 lumens
Efficiency:	N/A
Efficacy:	105.4 lumens/watt
Luminous Opening:	Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification:	Type II - Short
BUG Rating:	B3 - U0 - G3

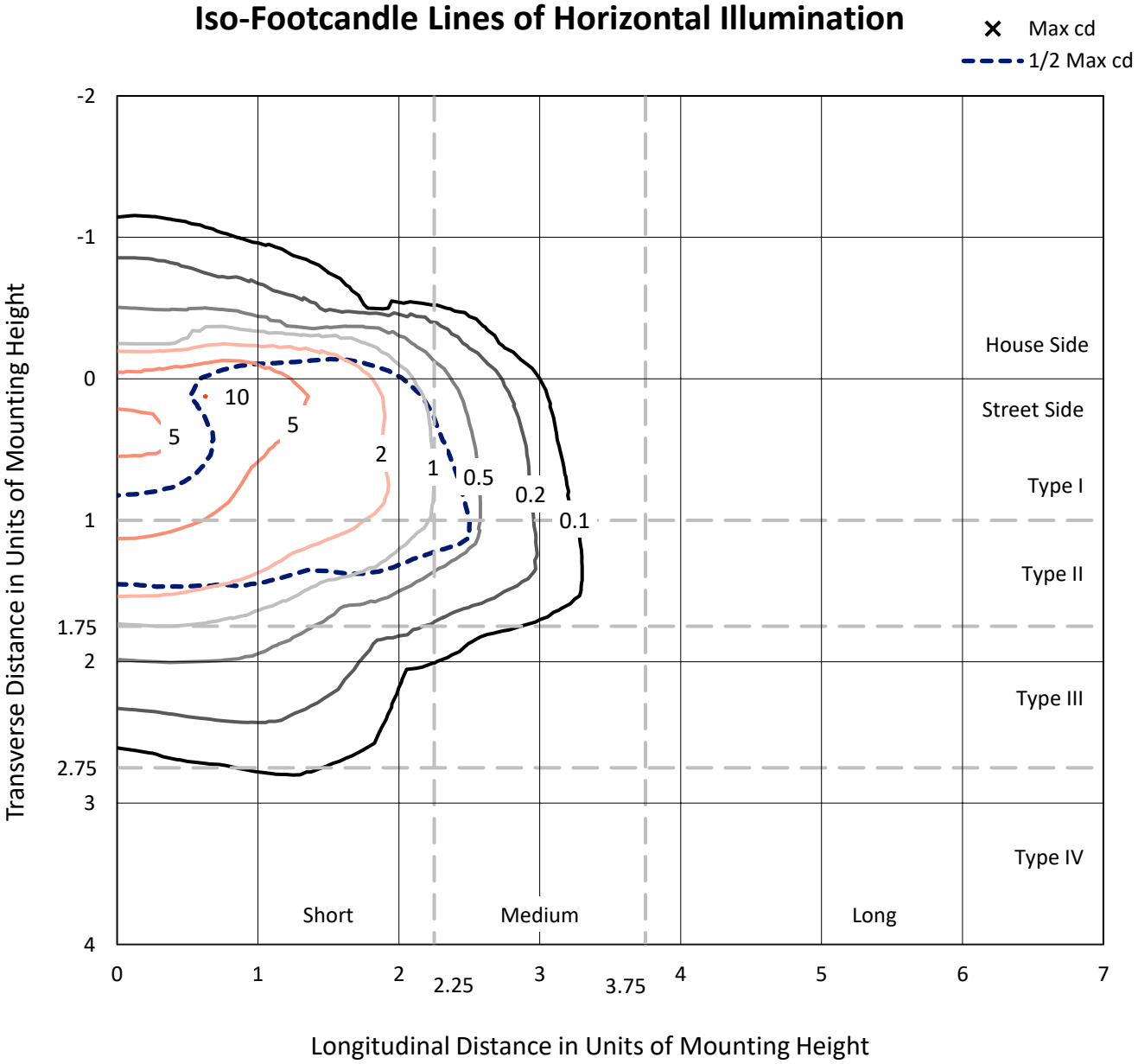
Input Watts (W):	300
Input Voltage (V):	120
Input Current (Ain):	NR
Voltage Rise (V):	NR
Power Factor:	0.98
Total Harmonic Distortion (THDi):	6.3%
Frequency (hertz):	60
Stabilization Time:	NR
Operation Time:	NR
Ambient Temperature (°C):	NR
Test Distance:	28.75 FT

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Iso-Footcandle Lines of Horizontal Illumination



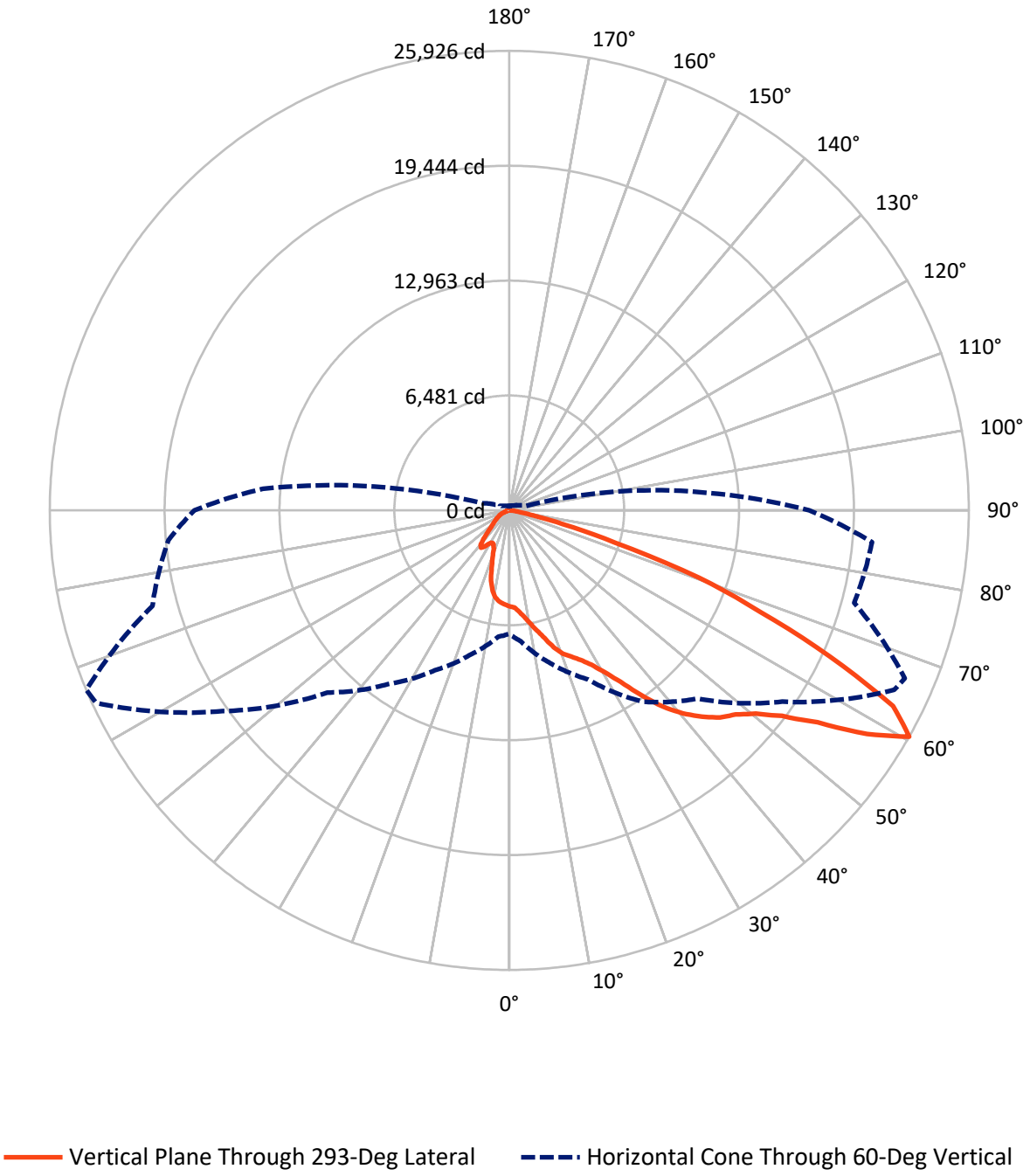
Based on 30 foot mounting height. Maximum calculated value = 10 fc
Type II - Short - N/A

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Luminous Intensity Polar Plot



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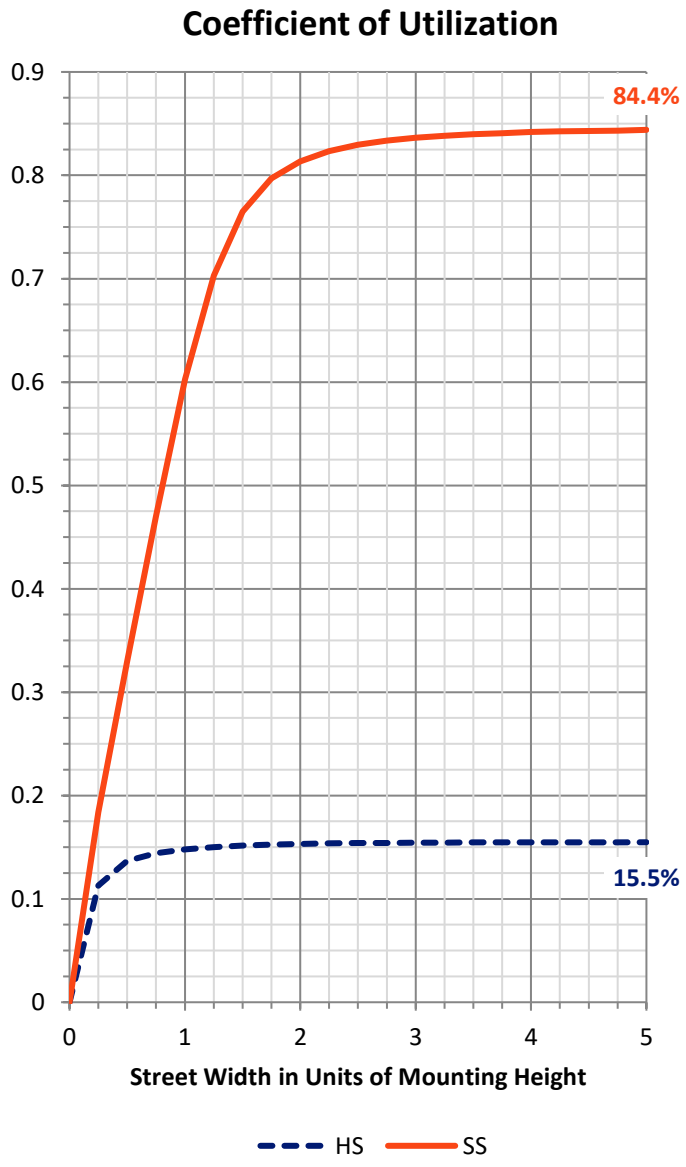
REPORT NUMBER: P1501923
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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4933.1	0.0	4933.1
	% Fixture	15.6	0.0	15.6
Street Side	Lumens	26684.3	0.0	26684.3
	% Fixture	84.4	0.0	84.4
Total	Lumens	31617.4	0.0	31617.4
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	490.6	1.6
10°-20°	1235.8	3.9
20°-30°	2307.0	7.3
30°-40°	4574.9	14.5
40°-50°	7294.1	23.1
50°-60°	8714.6	27.6
60°-70°	5712.9	18.1
70°-80°	1196.9	3.8
80°-90°	90.5	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°	31617.4	100.0
0°-180°	31617.4	100.0



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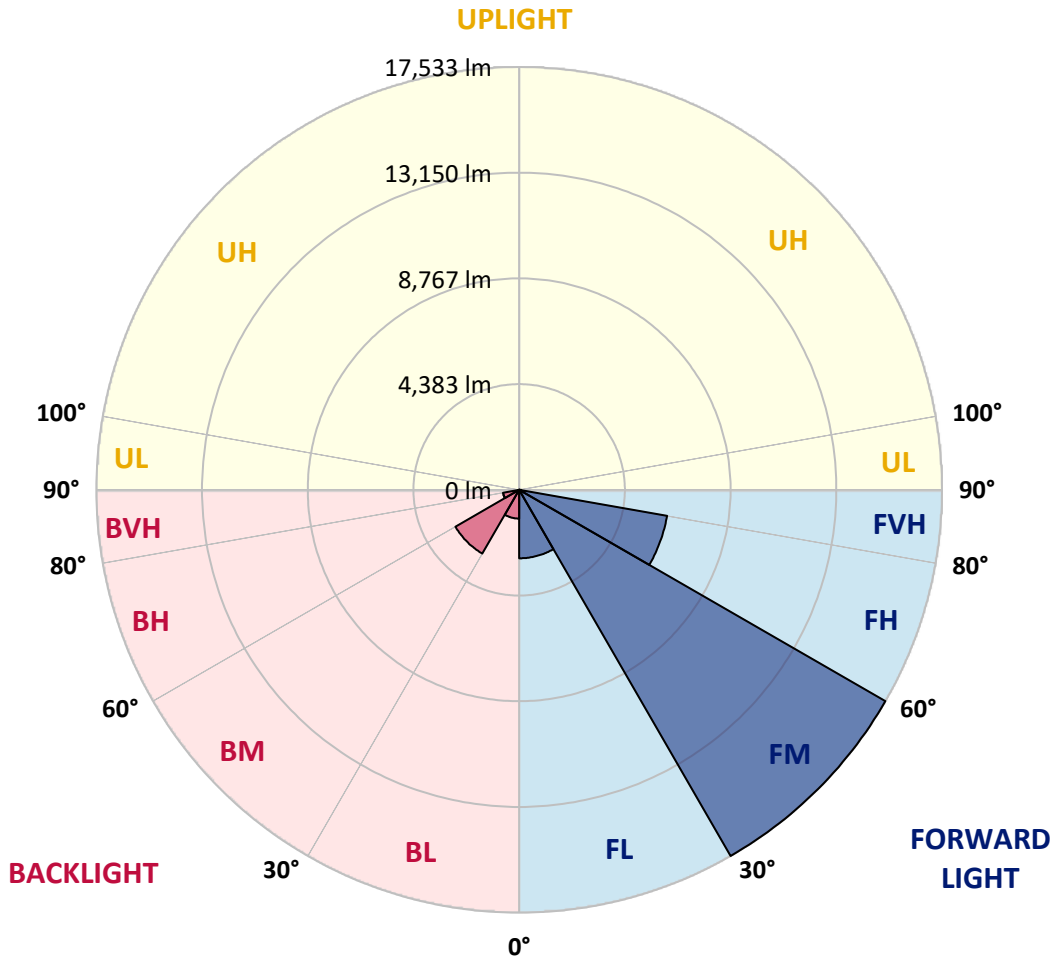
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	2839.9	9.0			
FM	(30°-60°)	17533.0	55.5			
FH	(60°-80°)	6228.4	19.7			G3/7500
FVH	(80°-90°)	83.0	0.3			G1/100
BL	(0°-30°)	1193.5	3.8	B3/2500		
BM	(30°-60°)	3050.6	9.6	B3/5000		
BH	(60°-80°)	681.4	2.2	B2/1000		G2/1000
BVH	(80°-90°)	7.6	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°	5418.9	5418.9	5418.9	5418.9	5418.9	5418.9	5418.9	5418.9	5418.9	5418.9	5418.9
2.5°	5693.4	5675.7	5649.1	5658.0	5649.1	5613.7	5560.6	5516.3	5551.7	5498.6	5463.2
5°	5861.6	5861.6	5843.9	5843.9	5852.8	5835.1	5799.6	5737.7	5746.5	5702.2	5587.1
7.5°	5861.6	5835.1	5879.3	5923.6	6003.3	6047.6	6065.3	6029.8	6047.6	5959.0	5808.5
10°	5516.3	5498.6	5613.7	5781.9	6012.1	6215.8	6348.6	6357.5	6384.0	6295.5	6118.4
12.5°	4781.4	4746.0	4976.2	5294.9	5764.2	6233.5	6605.4	6747.1	6809.0	6773.6	6525.7
15°	4099.6	4143.9	4303.2	4648.6	5277.2	5994.4	6747.1	7216.3	7304.9	7349.2	7057.0
17.5°	4028.8	4037.6	4090.7	4259.0	4737.1	5604.8	6764.8	7703.3	7827.3	8022.1	7623.6
20°	4223.5	4205.8	4259.0	4312.1	4542.3	5259.5	6596.5	8172.6	8411.7	8827.8	8394.0
22.5°	4586.6	4586.6	4613.1	4648.6	4763.7	5233.0	6525.7	8606.5	9013.8	9863.8	9359.1
25°	5197.5	5126.7	5144.4	5100.1	5197.5	5551.7	6685.1	8951.8	9509.6	11014.9	10510.2
27.5°	6145.0	6171.5	6012.1	5773.1	5826.2	6127.2	7074.7	9341.4	10023.2	12210.2	11679.0
30°	7455.4	7411.1	7313.7	6844.5	6631.9	6897.6	7791.9	9978.9	10713.8	13724.3	13237.3
32.5°	8482.5	8606.5	8438.2	8110.6	7783.0	7862.7	8801.3	11006.0	11555.0	15114.5	14848.8
35°	9722.1	9722.1	9757.6	9297.1	9075.8	9058.1	10067.5	12121.7	12670.6	16371.8	16557.7
37.5°	11395.6	11280.5	11085.7	10572.2	10403.9	10625.3	11253.9	13272.7	13866.0	17390.0	17885.9
40°	12803.5	12883.2	12856.6	12112.8	11785.2	12024.3	12582.1	14255.6	14716.0	18045.3	18957.3
42.5°	14184.8	14229.0	14113.9	13759.7	13281.6	13299.3	13759.7	14999.4	15468.6	18673.9	19966.7
45°	15220.7	15211.9	15132.2	15043.6	14760.3	14468.1	14547.8	15822.8	16230.1	18877.6	20515.7
47.5°	15548.3	15619.2	15690.0	15937.9	16132.7	15672.3	15265.0	16265.5	16637.4	18842.2	20719.3
50°	15247.3	15397.8	15743.1	16115.0	16779.1	16743.7	15867.1	16743.7	17106.7	19037.0	20958.4
52.5°	14574.3	14724.9	15185.3	15858.2	16858.8	17354.6	16982.7	17549.4	17974.4	19532.8	21454.2
55°	13007.1	13069.1	14016.5	14902.0	16460.3	17089.0	18178.1	18913.0	19267.2	20134.9	22109.4
57.5°	10589.9	10740.4	11670.1	13113.4	15344.7	16389.5	18859.9	21241.7	21232.9	20710.4	22251.1
60°	*6968.4*	*7411.1*	*8925.2*	*10519.0*	*13184.2*	*15017.1*	*18815.6*	*23968.9*	*24243.4*	*20143.8*	*20542.2*
62.5°	5321.5	5507.4	6366.3	7694.5	9757.6	12449.3	18523.4	24783.5	24996.0	18620.8	17983.3
65°	4002.2	4232.4	5055.9	6242.4	6888.7	8438.2	16610.9	21542.8	21835.0	16619.7	13981.1
67.5°	2452.7	2638.6	3736.6	5126.7	5215.2	5241.8	11209.7	16318.7	16424.9	13405.6	9412.2
70°	1638.1	1824.0	2585.5	3940.2	4152.7	3019.4	6153.8	12351.9	12343.0	9173.2	5719.9
72.5°	947.4	1036.0	1638.1	2904.2	3267.3	1921.4	3072.5	7853.9	7508.5	4312.1	2674.0
75°	540.1	602.1	903.1	1868.3	2293.3	1221.9	1213.1	4205.8	3718.8	2222.5	1461.0
77.5°	327.6	354.2	495.8	1221.9	1381.3	823.5	672.9	1956.8	1886.0	1301.6	770.3
80°	159.4	185.9	301.0	717.2	885.4	442.7	407.3	770.3	823.5	717.2	407.3
82.5°	53.1	70.8	168.2	274.5	575.5	177.1	168.2	425.0	451.6	425.0	194.8
85°	26.6	35.4	79.7	88.5	221.4	88.5	62.0	185.9	230.2	141.7	79.7
87.5°	0.0	8.9	8.9	8.9	8.9	8.9	8.9	17.7	17.7	17.7	17.7
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°	5418.9	5418.9	5418.9	5418.9	5418.9	5418.9	5418.9	5418.9	5418.9	5418.9	5418.9
2.5°	5436.6	5418.9	5383.5	5321.5	5312.6	5268.4	5197.5	5153.3	5117.8	5144.4	5153.3
5°	5534.0	5489.7	5383.5	5215.2	5038.2	4861.1	4692.8	4498.0	4365.2	4347.5	4312.1
7.5°	5711.1	5622.5	5392.3	5064.7	4613.1	4188.1	3692.3	3214.1	2975.1	2939.7	2860.0
10°	5994.4	5843.9	5463.2	4799.1	3931.4	3045.9	2293.3	1779.7	1487.5	1434.4	1452.1
12.5°	6330.9	6118.4	5472.0	4347.5	2992.8	1886.0	1301.6	1106.8	1044.8	1018.3	1018.3
15°	6764.8	6454.9	5463.2	3763.1	2018.8	1213.1	1044.8	965.1	938.6	920.9	920.9
17.5°	7313.7	6906.4	5401.2	2886.5	1363.6	1053.7	956.3	894.3	858.9	850.0	850.0
20°	7960.1	7411.1	5259.5	2151.6	1142.2	982.8	903.1	823.5	796.9	779.2	779.2
22.5°	8783.6	8022.1	4985.0	1673.5	1080.2	938.6	850.0	761.5	734.9	717.2	717.2
25°	9739.8	8801.3	4622.0	1505.2	1071.4	903.1	796.9	708.4	681.8	672.9	664.1
27.5°	10873.2	9633.6	4285.5	1514.1	1089.1	876.6	743.8	664.1	637.5	611.0	619.8
30°	12210.2	10492.5	4011.0	1620.4	1106.8	850.0	708.4	637.5	611.0	575.5	575.5
32.5°	13529.5	11501.9	3984.5	1815.2	1168.8	832.3	672.9	602.1	575.5	549.0	549.0
35°	14884.3	12422.7	4135.0	2071.9	1292.7	805.8	628.7	566.7	540.1	522.4	513.6
37.5°	16177.0	13157.6	4276.7	2231.3	1221.9	690.6	575.5	522.4	495.8	460.4	460.4
40°	17035.9	13556.1	4303.2	2107.3	1009.4	619.8	522.4	469.3	433.9	416.2	407.3
42.5°	17664.5	13812.9	4002.2	1708.9	876.6	566.7	478.1	425.0	398.4	380.7	380.7
45°	17921.3	13724.3	3488.6	1301.6	805.8	522.4	433.9	389.6	371.9	354.2	354.2
47.5°	17885.9	13317.0	2966.2	1044.8	734.9	478.1	407.3	371.9	354.2	336.5	327.6
50°	17823.9	12936.3	2435.0	929.7	655.2	451.6	380.7	354.2	327.6	309.9	301.0
52.5°	18231.2	12812.3	2018.8	850.0	611.0	433.9	371.9	336.5	309.9	292.2	292.2
55°	18638.5	12865.4	1584.9	796.9	566.7	425.0	363.0	327.6	301.0	274.5	274.5
57.5°	18612.0	12635.2	1204.2	743.8	531.3	416.2	354.2	318.8	274.5	256.8	256.8
60°	*16920.8*	*11271.7*	*938.6*	*681.8*	*487.0*	*389.6*	*327.6*	*301.0*	*256.8*	*230.2*	*230.2*
62.5°	14308.7	8863.3	770.3	602.1	433.9	354.2	301.0	274.5	230.2	185.9	185.9
65°	10572.2	6392.9	619.8	522.4	398.4	309.9	274.5	239.1	185.9	150.5	141.7
67.5°	7154.4	3931.4	495.8	433.9	354.2	265.6	230.2	203.7	168.2	124.0	115.1
70°	4241.3	2089.6	363.0	301.0	265.6	194.8	194.8	177.1	141.7	106.3	97.4
72.5°	2018.8	726.1	265.6	221.4	203.7	141.7	150.5	150.5	115.1	79.7	70.8
75°	1027.1	354.2	177.1	159.4	132.8	106.3	124.0	115.1	79.7	53.1	53.1
77.5°	584.4	247.9	124.0	106.3	88.5	70.8	79.7	70.8	44.3	26.6	26.6
80°	327.6	177.1	79.7	70.8	53.1	44.3	44.3	35.4	26.6	8.9	8.9
82.5°	124.0	106.3	53.1	35.4	26.6	26.6	17.7	17.7	8.9	0.0	0.0
85°	53.1	26.6	26.6	17.7	17.7	8.9	8.9	8.9	0.0	0.0	0.0
87.5°	8.9	8.9	8.9	8.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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CANDELA DISTRIBUTION (continued):

	185°	195°	205°	215°	225°	235°	245°	255°	265°	270°	275°
0°	5418.9	5418.9	5418.9	5418.9	5418.9	5418.9	5418.9	5418.9	5418.9	5418.9	5418.9
2.5°	5082.4	5100.1	5117.8	5188.7	5206.4	5259.5	5303.8	5356.9	5365.8	5436.6	5436.6
5°	4382.9	4374.1	4524.6	4746.0	4887.6	5082.4	5233.0	5392.3	5480.9	5596.0	5649.1
7.5°	2904.2	3125.6	3462.1	3851.7	4356.4	4825.6	5179.8	5489.7	5702.2	5835.1	5888.2
10°	1443.3	1567.2	1921.4	2558.9	3417.8	4374.1	5126.7	5702.2	6047.6	6198.1	6295.5
12.5°	1018.3	1044.8	1106.8	1452.1	2275.6	3630.3	4958.5	5932.4	6410.6	6693.9	6817.9
15°	912.0	929.7	956.3	1053.7	1407.8	2709.4	4657.4	6189.2	6977.3	7304.9	7464.3
17.5°	841.2	850.0	876.6	956.3	1106.8	1841.7	4170.4	6463.7	7659.1	8057.5	8358.6
20°	779.2	779.2	805.8	903.1	1027.1	1416.7	3470.9	6773.6	8526.8	9102.3	9403.4
22.5°	708.4	726.1	743.8	850.0	1000.5	1292.7	2815.7	7012.7	9491.9	10191.4	10545.6
25°	655.2	672.9	690.6	796.9	974.0	1292.7	2435.0	7163.2	10572.2	11404.5	11891.5
27.5°	611.0	628.7	655.2	761.5	947.4	1345.9	2284.4	7207.5	11749.8	12830.0	13485.3
30°	575.5	593.2	619.8	734.9	965.1	1407.8	2337.6	7145.5	12945.1	14299.9	15079.0
32.5°	540.1	557.8	584.4	708.4	965.1	1487.5	2514.7	7021.5	14105.1	15769.7	16726.0
35°	513.6	522.4	531.3	637.5	876.6	1478.7	2736.0	6897.6	15273.8	17221.8	18337.5
37.5°	460.4	469.3	487.0	549.0	699.5	1345.9	2780.3	6747.1	16194.7	18443.7	19674.5
40°	407.3	425.0	442.7	504.7	584.4	1089.1	2585.5	6428.3	16681.7	19382.3	20878.7
42.5°	371.9	380.7	398.4	460.4	540.1	867.7	2169.3	5870.5	17115.6	20019.8	21755.3
45°	345.3	354.2	371.9	416.2	504.7	752.6	1708.9	5188.7	17151.0	20223.5	22180.3
47.5°	318.8	327.6	336.5	380.7	487.0	672.9	1310.5	4568.9	17142.1	20489.1	22543.3
50°	301.0	309.9	327.6	363.0	460.4	602.1	1080.2	4064.2	17514.0	21064.6	23278.2
52.5°	292.2	292.2	318.8	354.2	433.9	549.0	903.1	3612.6	17708.8	21631.3	23809.5
55°	274.5	283.3	301.0	336.5	407.3	522.4	770.3	3045.9	17797.3	21914.6	23906.9
57.5°	256.8	265.6	292.2	318.8	389.6	495.8	664.1	2275.6	16531.2	20436.0	22277.7
60°	*230.2*	*247.9*	*283.3*	*309.9*	*363.0*	*451.6*	*584.4*	*1540.7*	*13945.7*	*17761.9*	*19302.6*
62.5°	185.9	221.4	256.8	274.5	327.6	380.7	495.8	1027.1	11138.8	14698.3	16451.5
65°	141.7	185.9	212.5	239.1	274.5	318.8	416.2	699.5	7428.8	9890.4	11864.9
67.5°	124.0	159.4	177.1	194.8	230.2	274.5	336.5	487.0	4506.9	5941.3	7889.3
70°	97.4	132.8	150.5	141.7	177.1	212.5	239.1	327.6	2302.1	3223.0	4489.2
72.5°	70.8	106.3	115.1	115.1	106.3	150.5	177.1	230.2	1000.5	1567.2	2036.5
75°	53.1	70.8	79.7	70.8	62.0	97.4	124.0	150.5	655.2	938.6	1186.5
77.5°	26.6	26.6	44.3	44.3	26.6	53.1	62.0	88.5	371.9	549.0	681.8
80°	8.9	0.0	0.0	8.9	0.0	17.7	26.6	44.3	194.8	292.2	425.0
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	8.9	97.4	88.5	221.4
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	17.7	53.1
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: P1501923
CATALOG NUMBER: GSS-SB6C-830-U-T2LG-HSS

CANDELA DISTRIBUTION (continued):

	285°	293°	295°	305°	315°	325°	335°	345°	355°	360°
0°	5418.9	5418.9	5418.9	5418.9	5418.9	5418.9	5418.9	5418.9	5418.9	5418.9
2.5°	5480.9	5480.9	5516.3	5569.4	5596.0	5613.7	5622.5	5640.3	5711.1	5693.4
5°	5711.1	5728.8	5755.4	5808.5	5870.5	5852.8	5852.8	5852.8	5897.0	5861.6
7.5°	6012.1	6065.3	6074.1	6136.1	6091.8	6003.3	5950.2	5870.5	5861.6	5861.6
10°	6499.1	6481.4	6481.4	6401.7	6242.4	5985.6	5755.4	5596.0	5507.4	5516.3
12.5°	7021.5	6950.7	6959.6	6667.4	6215.8	5649.1	5179.8	4834.5	4807.9	4781.4
15°	7667.9	7482.0	7446.6	6773.6	5817.3	4949.6	4489.2	4214.7	4126.2	4099.6
17.5°	8588.8	8119.5	7951.3	6587.7	5294.9	4515.7	4170.4	4046.5	4037.6	4028.8
20°	9562.8	8633.0	8314.3	6313.2	5117.8	4524.6	4267.8	4232.4	4214.7	4223.5
22.5°	10696.1	8960.7	8553.4	6357.5	5277.2	4816.8	4613.1	4586.6	4568.9	4586.6
25°	11864.9	9341.4	8836.7	6711.6	5755.4	5356.9	5117.8	5064.7	5117.8	5197.5
27.5°	13042.5	9854.9	9394.5	7411.1	6525.7	6091.8	5861.6	6056.4	6136.1	6145.0
30°	14087.4	10572.2	10147.1	8394.0	7402.3	6968.4	7012.7	7260.6	7358.0	7455.4
32.5°	15043.6	11528.4	11200.8	9509.6	8535.6	8278.9	8252.3	8438.2	8544.5	8482.5
35°	16008.8	12776.9	12458.1	10722.7	9925.8	9713.3	9491.9	9854.9	9819.5	9722.1
37.5°	16920.8	14034.2	13742.0	12024.3	11200.8	10828.9	10793.5	11121.1	11413.3	11395.6
40°	17576.0	15052.5	14698.3	13317.0	12537.8	12219.1	12405.0	12971.7	12900.9	12803.5
42.5°	18178.1	15920.2	15601.5	14450.4	13635.8	13777.5	13945.7	14326.4	14282.2	14184.8
45°	18461.4	16664.0	16389.5	15309.3	14910.8	15362.4	15353.5	15495.2	15256.1	15220.7
47.5°	18859.9	17195.2	16911.9	16079.6	16433.8	16619.7	16097.3	15946.8	15725.4	15548.3
50°	19594.8	18018.7	17735.4	17248.4	17549.4	16973.9	16336.4	16008.8	15557.2	15247.3
52.5°	20453.7	19267.2	19019.3	18824.5	17983.3	16796.8	15982.2	15389.0	14840.0	14574.3
55°	21533.9	21108.9	20931.8	19860.4	17593.7	16070.7	15114.5	14007.7	13255.0	13007.1
57.5°	21888.1	23809.5	23747.5	20028.7	16504.6	14751.4	13024.8	11528.4	10749.2	10589.9
60°	20843.3	25925.7	25704.3	19745.3	14530.1	11971.2	9952.3	8420.5	7154.4	6968.4
62.5°	19506.2	24305.3	24225.6	18319.8	11068.0	8579.9	7437.7	6003.3	5463.2	5321.5
65°	16708.3	19887.0	19922.4	14698.3	7003.8	6162.7	6109.5	4772.5	4108.4	4002.2
67.5°	12865.4	15256.1	15008.2	9244.0	4081.9	4931.9	4878.8	3488.6	2523.5	2452.7
70°	7517.4	11360.2	10961.8	4807.9	2700.6	4117.3	3754.3	2452.7	1717.8	1638.1
72.5°	3320.4	6251.2	6711.6	2116.2	1903.7	3276.1	2709.4	1505.2	965.1	947.4
75°	1841.7	3099.0	3240.7	920.9	1337.0	2328.7	1638.1	841.2	549.0	540.1
77.5°	1106.8	1372.4	1337.0	593.2	1000.5	1487.5	991.7	478.1	345.3	327.6
80°	619.8	628.7	531.3	433.9	593.2	832.3	557.8	301.0	159.4	159.4
82.5°	380.7	345.3	274.5	132.8	159.4	504.7	203.7	168.2	53.1	53.1
85°	159.4	106.3	70.8	26.6	62.0	132.8	70.8	79.7	26.6	26.6
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

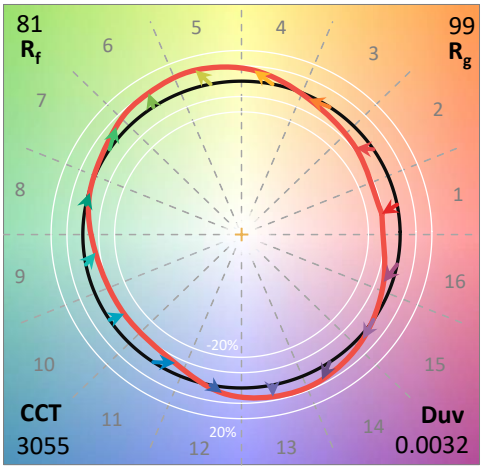
Test Information

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

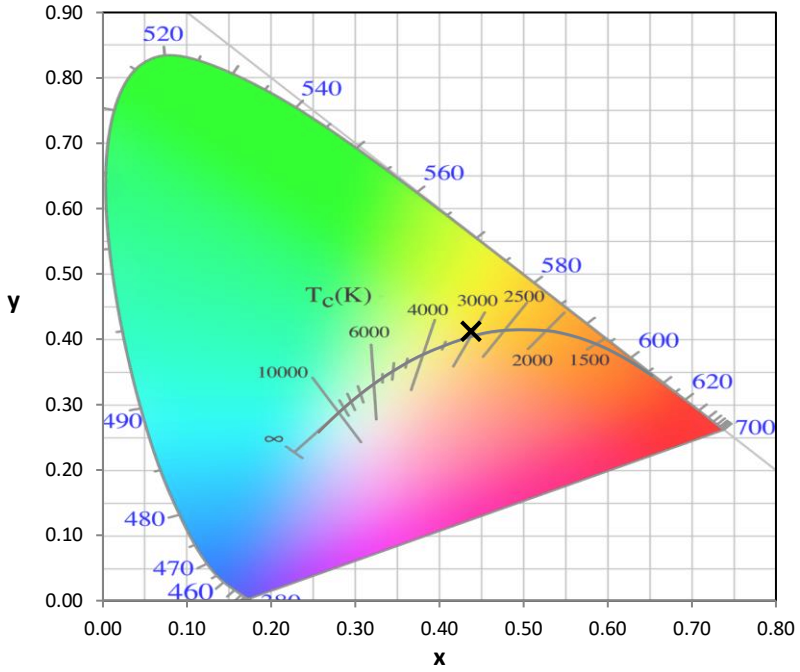
Stabilization Time:	20M
Operation Time:	1H 20M
Sphere Temperature (°C):	25.2

REPORT NUMBER: SP1-2407-184-9

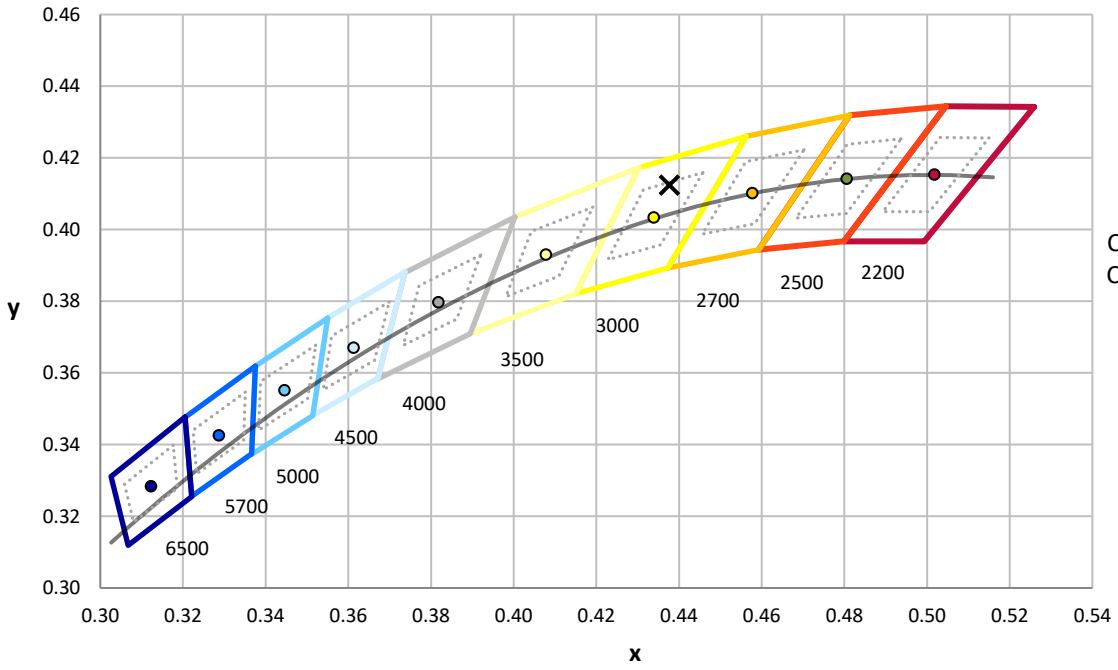
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

REPORT NUMBER: SP1-2407-184-9

CIE 1931 Chromaticity Diagram



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

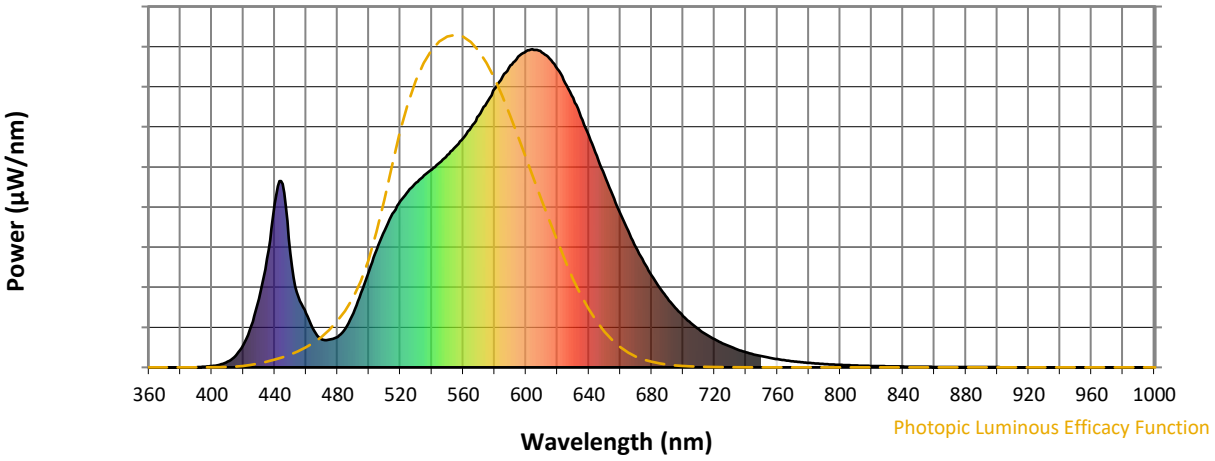


CCT = 3055K
CIE x = 0.4377
CIE y = 0.4124
Duv = 0.0032

Point lies inside the ANSI 3000K 4-step quadrangle

REPORT NUMBER: SP1-2407-184-9

Photopic Flux vs. Wavelength

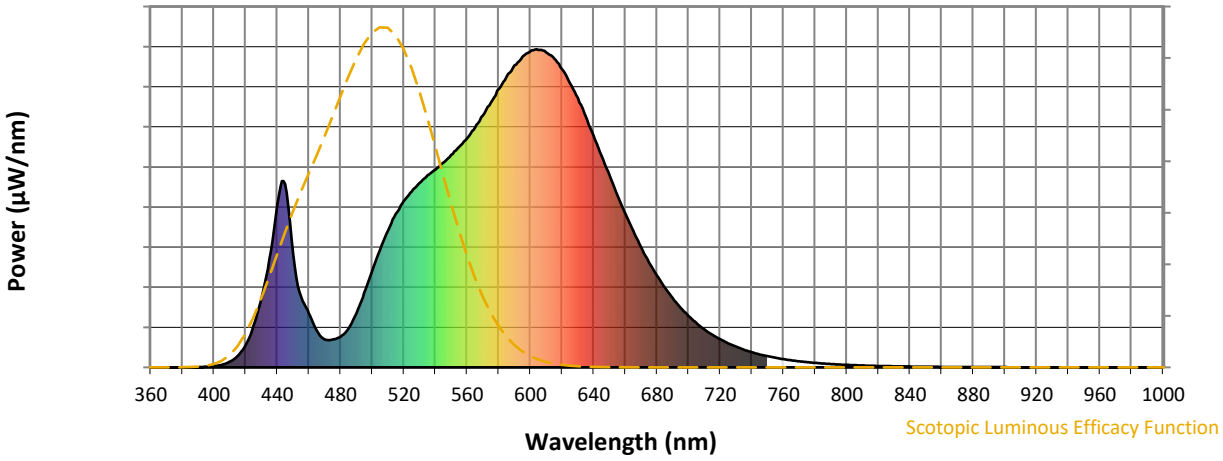


Photopic Lumens: NR

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

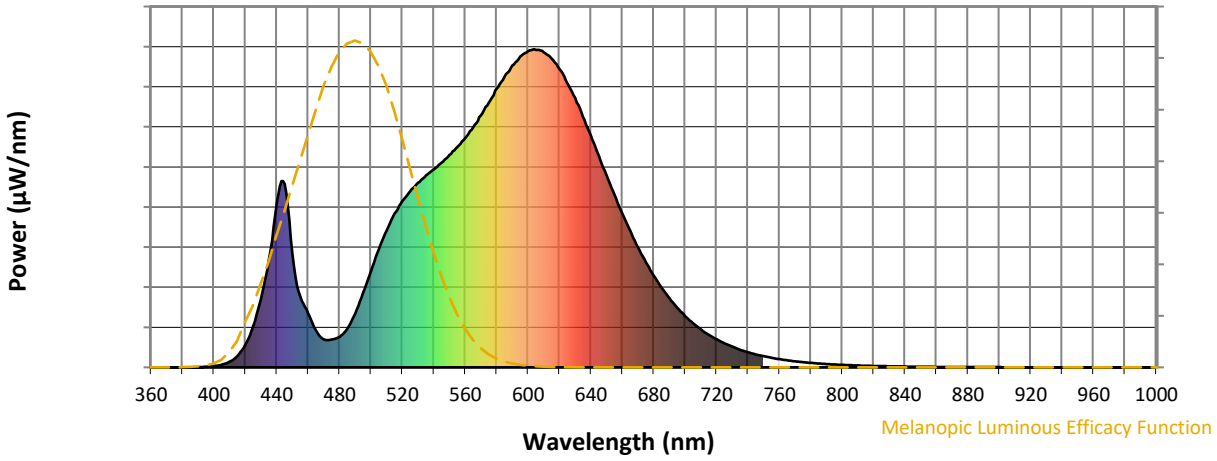


Scotopic Lumens: NR **S/P: 1.28**

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			

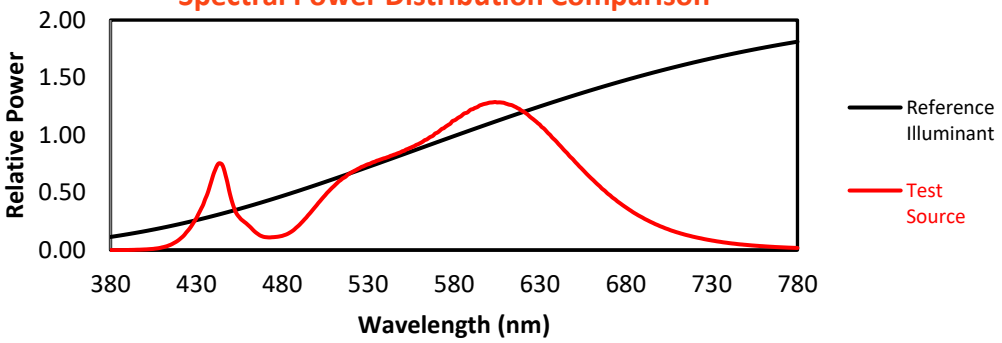
REPORT NUMBER: SP1-2407-184-9

TM-30-18

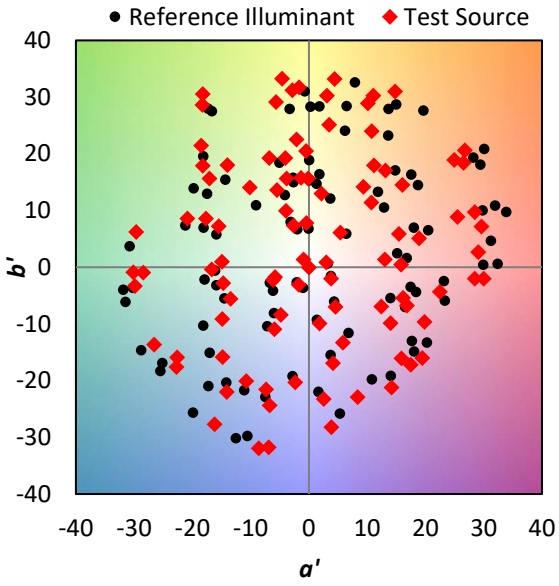
Summary

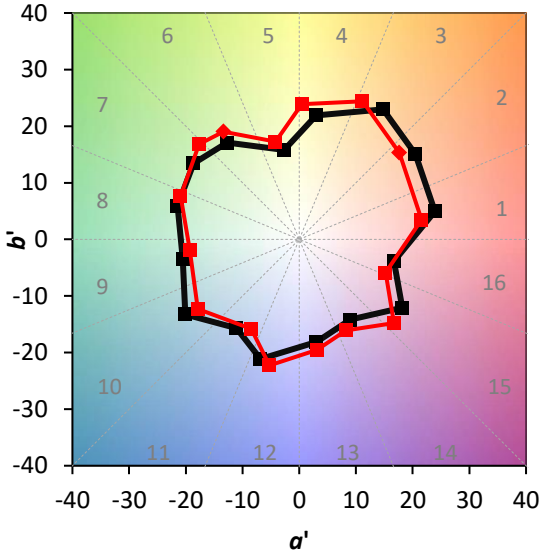
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R_g = 99.2
CIE R_a = 80.9
R_9 = 6.8

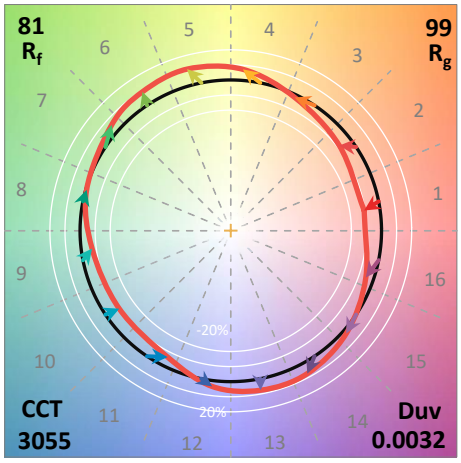
Spectral Power Distribution Comparison

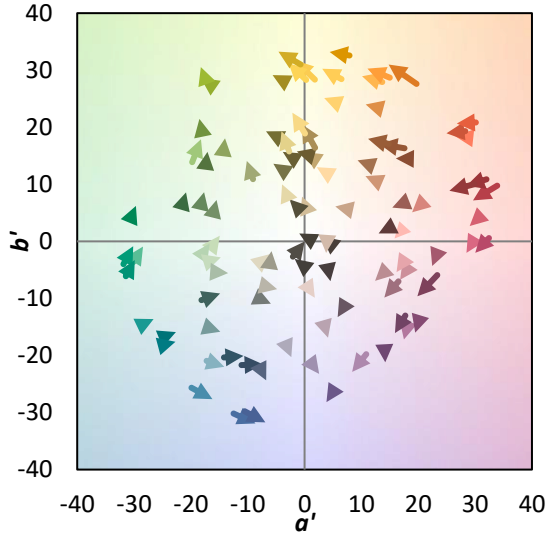


Color Vector Graphics







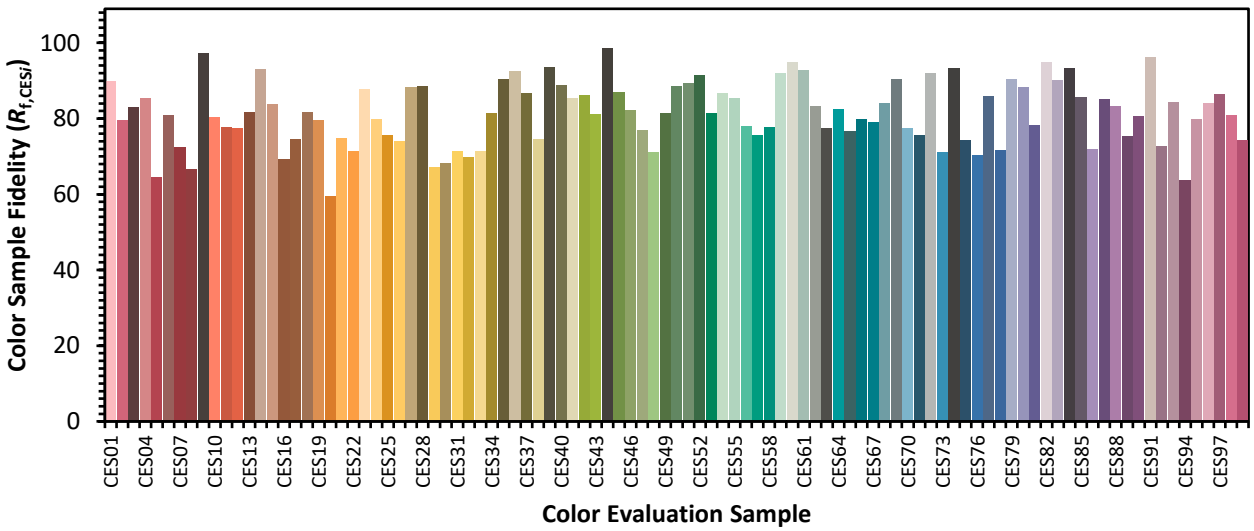


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Individual Sample Fidelity Index ($R_{f,i}$)

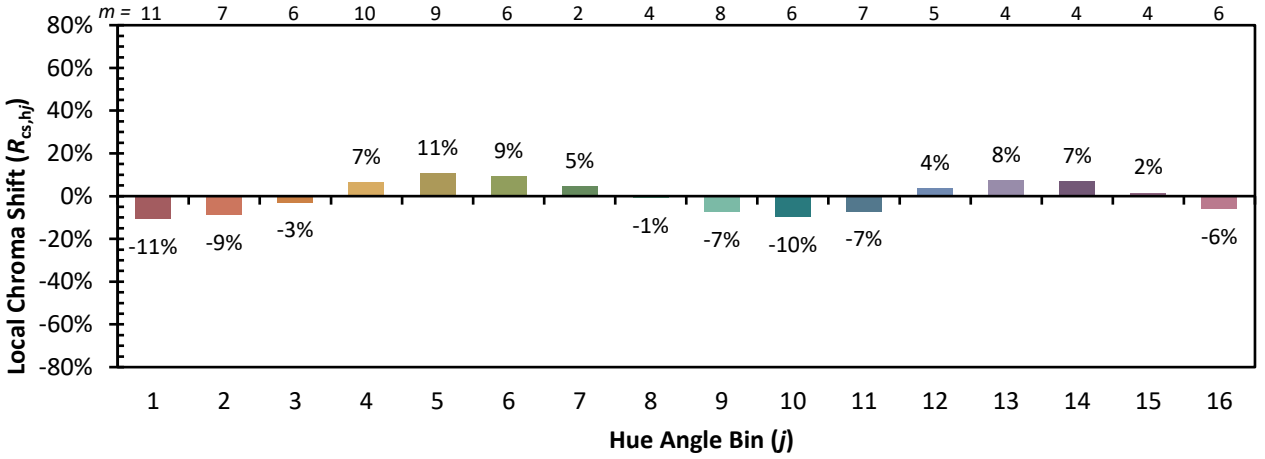
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CES02 = 63	CES27 = 88	CES52 = 91	CES77 = 86
CES03 = 31	CES28 = 89	CES53 = 81	CES78 = 72
CES04 = 70	CES29 = 67	CES54 = 87	CES79 = 90
CES05 = 50	CES30 = 68	CES55 = 85	CES80 = 88
CES06 = 51	CES31 = 71	CES56 = 78	CES81 = 78
CES07 = 42	CES32 = 70	CES57 = 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	

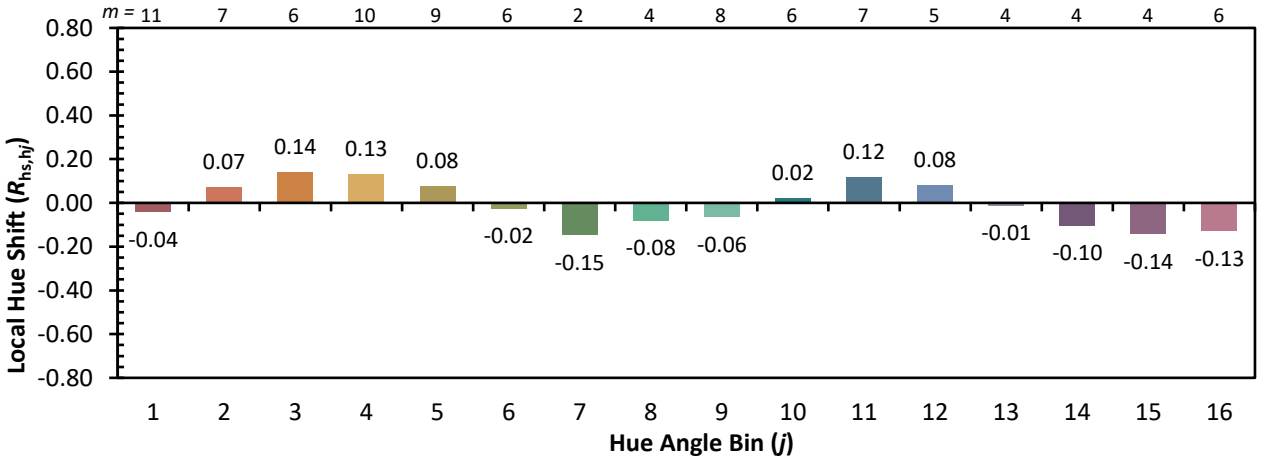


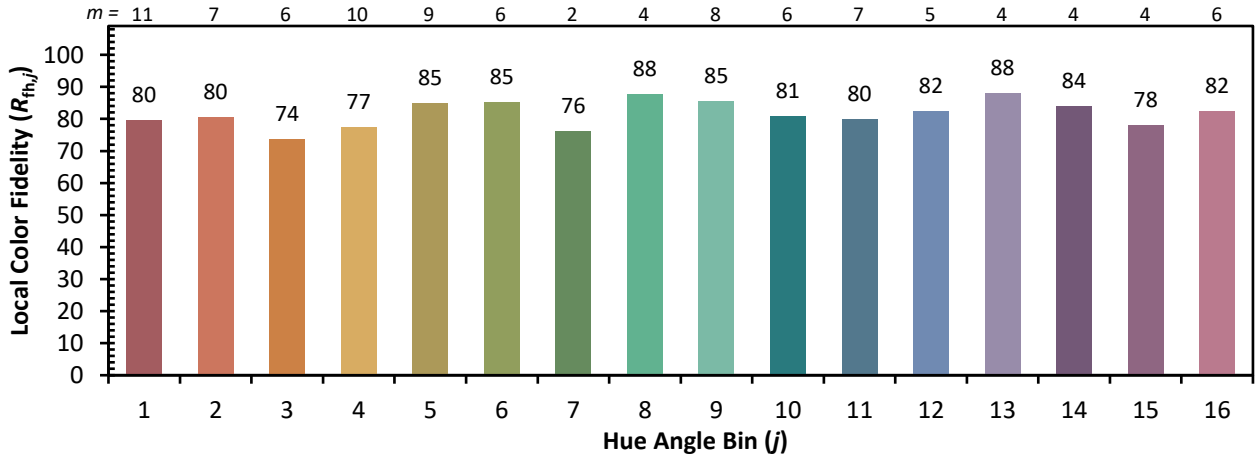
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Color Rendition by Hue-Angle Bin



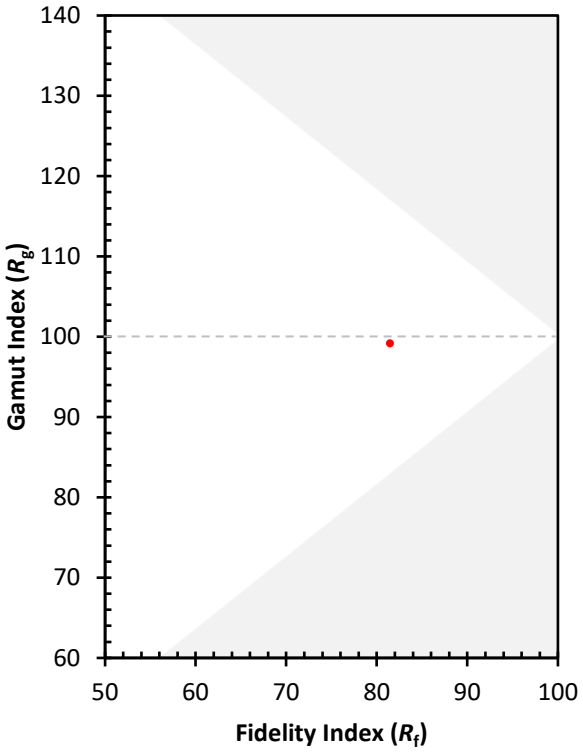


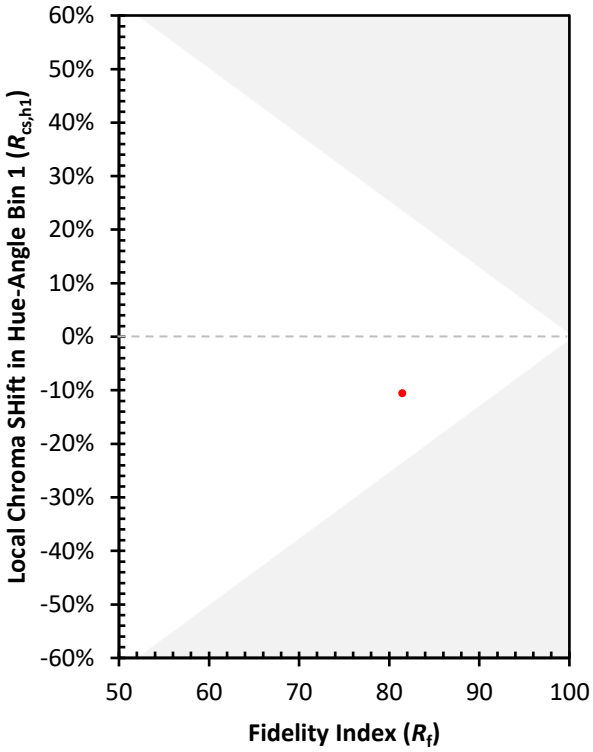


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Measure Comparisons





(END OF REPORT)