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: P1501819

Luminaire Tested: GSS-SB4C-735-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:	P1501819
Test Lab:	INNOVATION CENTER(G1)
Issue Date:	7/20/2026
Manufacturer:	COOPER LIGHTING SOLUTIONS
Product Line:	McGRAW-EDISON
Catalog Number:	GSS-SB4C-735-U-T2LG-HSS
Description:	GALLEON II SLIM SITE HIGH DENSITY LED ARRAYS 4SQUARE 204W 70CRI 3500K FIXTURE w/ TYPE II LOW GLARE DISTRIBUTION FIXTURE W/ HOUSE SIDE SHIELD
Light Source:	(104) 3500K CCT, 70 CRI LEDS
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	23462.7 lumens
Efficiency:	N/A
Efficacy:	115.0 lumens/watt
Luminous Opening:	Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification:	Type II - Short
BUG Rating:	B2 - U0 - G2

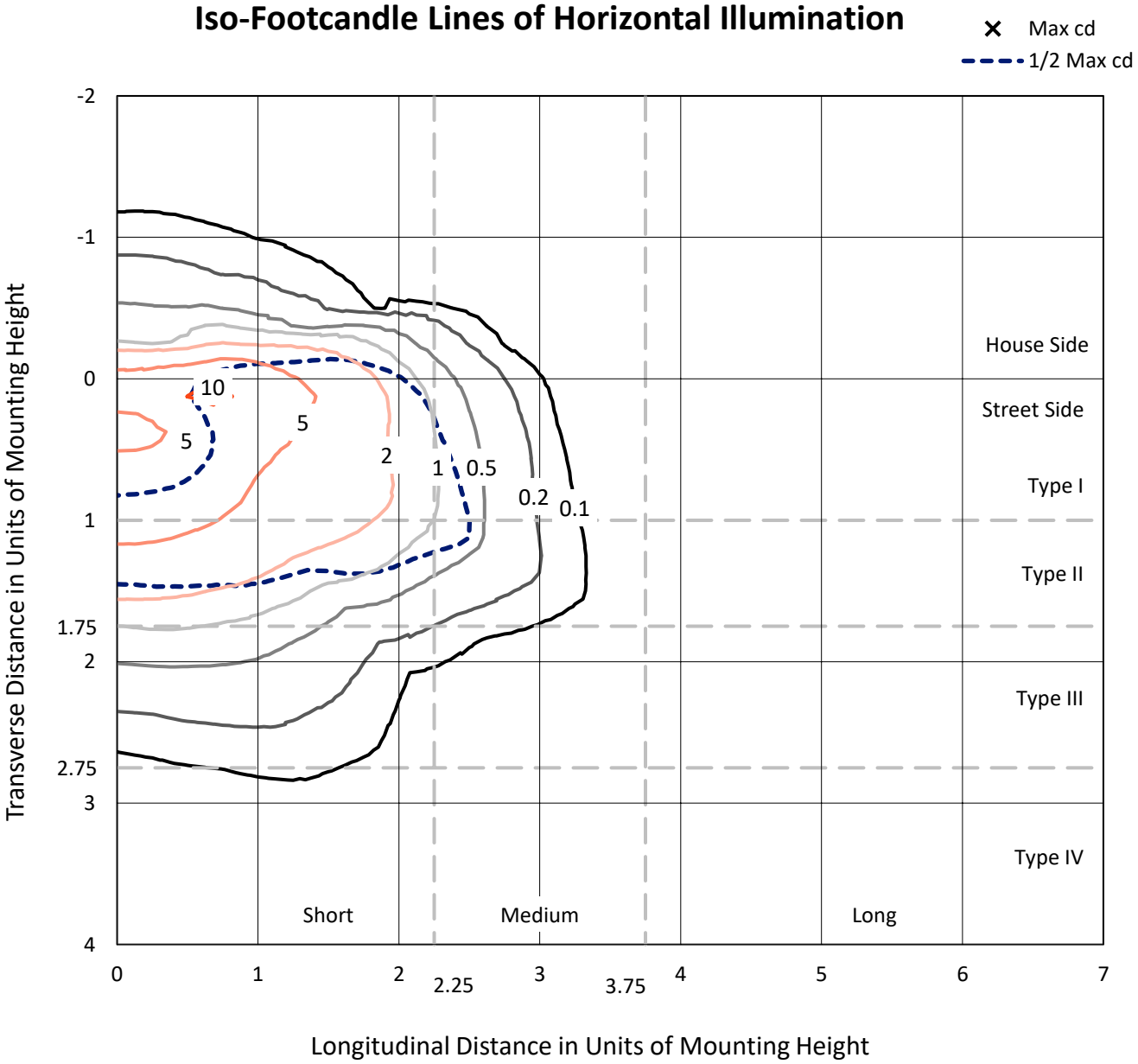
Input Watts (W):	204
Input Voltage (V):	120
Input Current (Ain):	NR
Voltage Rise (V):	NR
Power Factor:	0.98
Total Harmonic Distortion (THDi):	9.5%
Frequency (hertz):	60
Stabilization Time:	NR
Operation Time:	NR
Ambient Temperature (°C):	NR
Test Distance:	28.75 FT

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Iso-Footcandle Lines of Horizontal Illumination



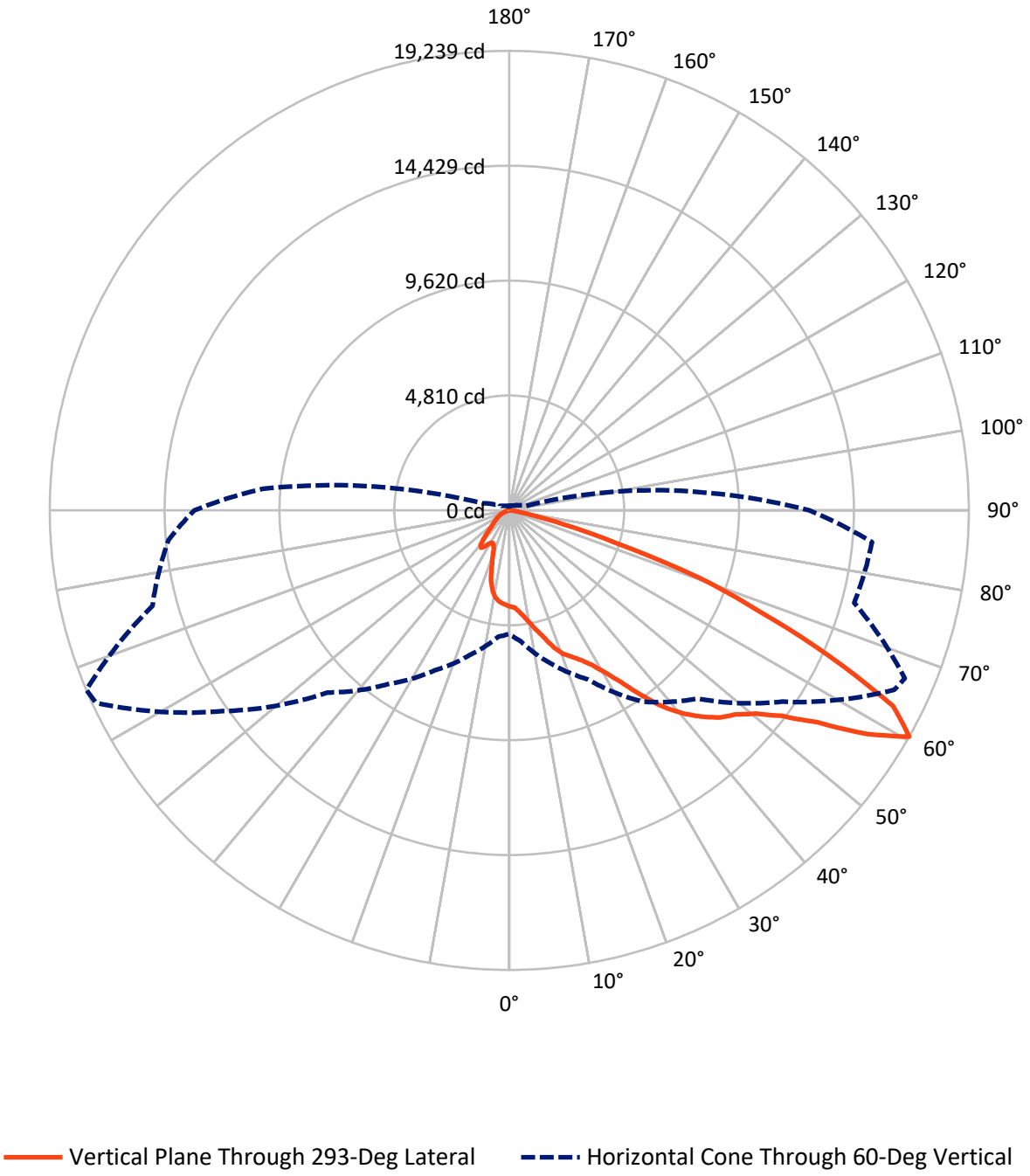
Based on 25 foot mounting height. Maximum calculated value = 10.7 fc
Type II - Short - N/A

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Luminous Intensity Polar Plot



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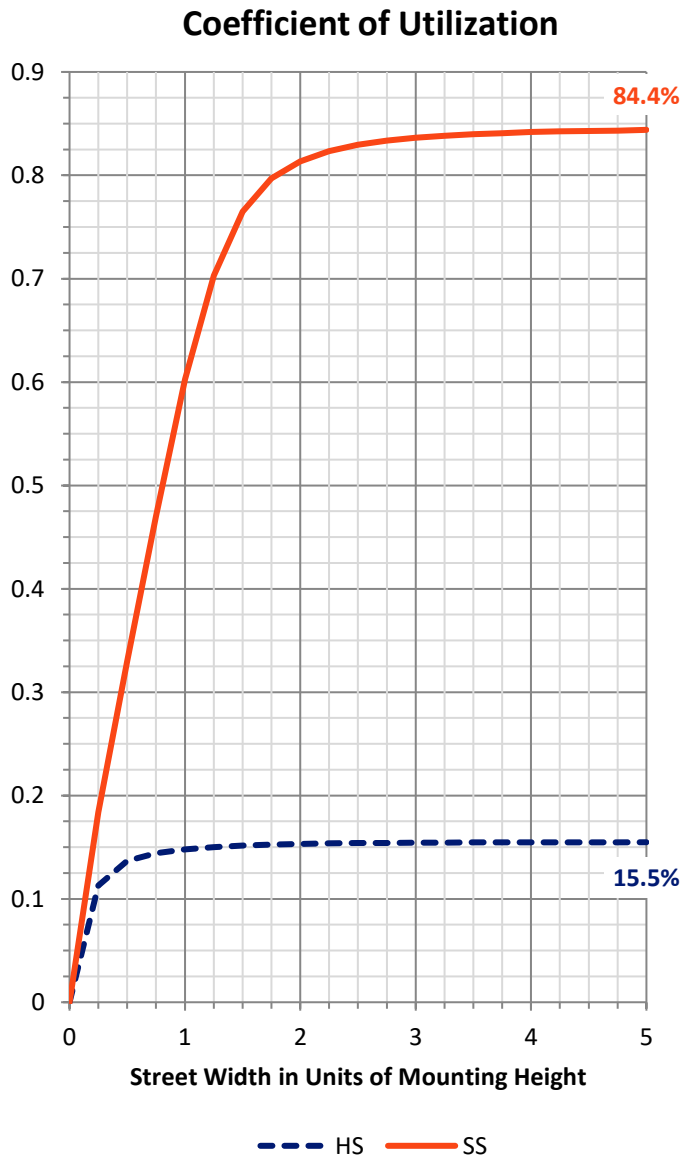
REPORT NUMBER: P1501819
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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3660.7	0.0	3660.7
	% Fixture	15.6	0.0	15.6
Street Side	Lumens	19801.9	0.0	19801.9
	% Fixture	84.4	0.0	84.4
Total	Lumens	23462.7	0.0	23462.7
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	364.1	1.6
10°-20°	917.1	3.9
20°-30°	1712.0	7.3
30°-40°	3395.0	14.5
40°-50°	5412.8	23.1
50°-60°	6467.0	27.6
60°-70°	4239.5	18.1
70°-80°	888.2	3.8
80°-90°	67.2	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°	23462.7	100.0
0°-180°	23462.7	100.0



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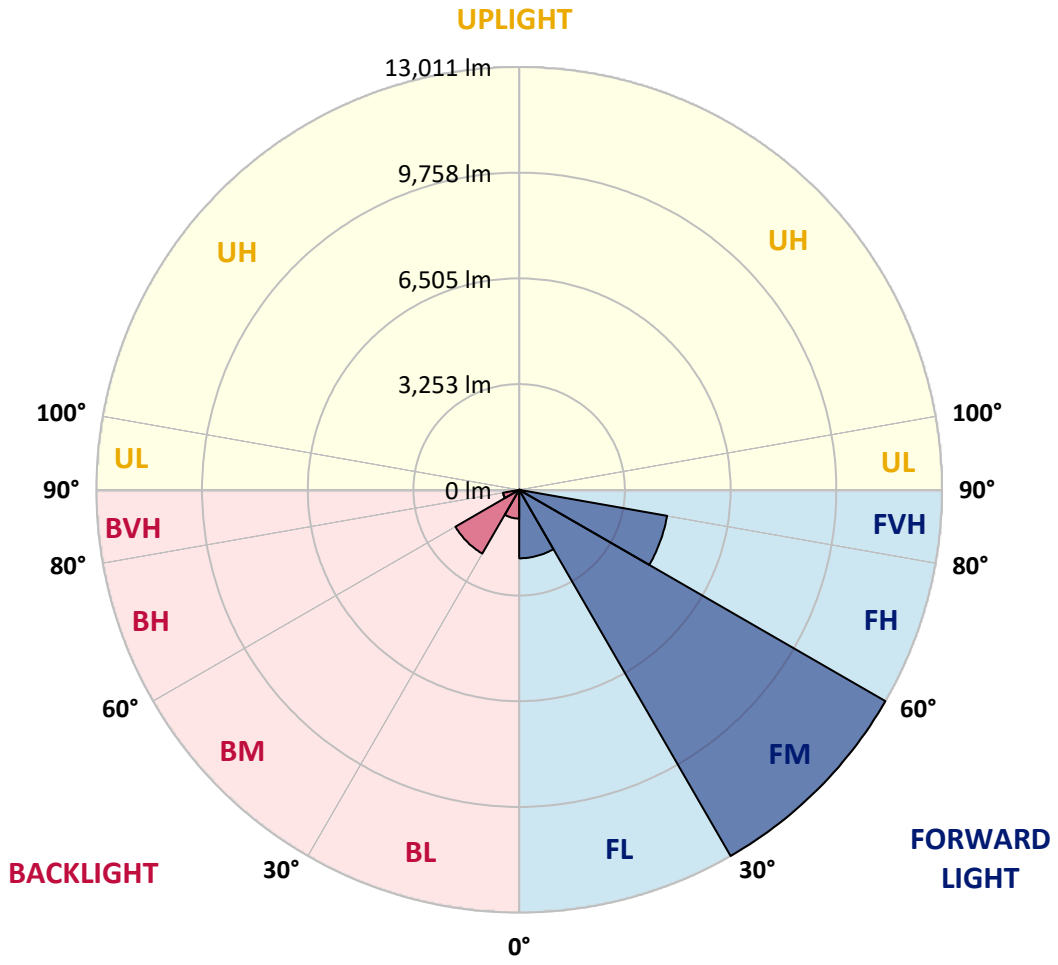
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	2107.4	9.0			
FM	(30°-60°)	13010.9	55.5			
FH	(60°-80°)	4622.0	19.7			G2/5000
FVH	(80°-90°)	61.6	0.3			G1/100
BL	(0°-30°)	885.6	3.8	B2/1000		
BM	(30°-60°)	2263.8	9.6	B2/2500		
BH	(60°-80°)	505.7	2.2	B2/1000		G2/1000
BVH	(80°-90°)	5.6	0.0			G0/10
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: 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°	4021.3	4021.3	4021.3	4021.3	4021.3	4021.3	4021.3	4021.3	4021.3	4021.3	4021.3
2.5°	4225.0	4211.8	4192.1	4198.7	4192.1	4165.8	4126.4	4093.5	4119.8	4080.4	4054.1
5°	4349.8	4349.8	4336.7	4336.7	4343.2	4330.1	4303.8	4257.8	4264.4	4231.5	4146.1
7.5°	4349.8	4330.1	4362.9	4395.8	4454.9	4487.8	4500.9	4474.6	4487.8	4422.1	4310.4
10°	4093.5	4080.4	4165.8	4290.7	4461.5	4612.6	4711.2	4717.8	4737.5	4671.8	4540.3
12.5°	3548.2	3521.9	3692.7	3929.3	4277.5	4625.8	4901.7	5006.9	5052.9	5026.6	4842.6
15°	3042.2	3075.1	3193.4	3449.6	3916.1	4448.4	5006.9	5355.1	5420.8	5453.7	5236.8
17.5°	2989.7	2996.2	3035.7	3160.5	3515.3	4159.2	5020.0	5716.5	5808.5	5953.0	5657.4
20°	3134.2	3121.1	3160.5	3199.9	3370.8	3903.0	4895.2	6064.7	6242.2	6551.0	6229.0
22.5°	3403.6	3403.6	3423.3	3449.6	3535.0	3883.3	4842.6	6386.7	6689.0	7319.8	6945.2
25°	3857.0	3804.4	3817.6	3784.7	3857.0	4119.8	4960.9	6643.0	7056.9	8173.9	7799.4
27.5°	4560.1	4579.8	4461.5	4284.1	4323.5	4546.9	5250.0	6932.1	7438.0	9061.0	8666.7
30°	5532.5	5499.7	5427.4	5079.1	4921.4	5118.6	5782.2	7405.2	7950.5	10184.6	9823.2
32.5°	6294.7	6386.7	6261.9	6018.8	5775.6	5834.8	6531.3	8167.4	8574.8	11216.2	11019.1
35°	7214.6	7214.6	7240.9	6899.2	6735.0	6721.8	7470.9	8995.3	9402.7	12149.2	12287.2
37.5°	8456.5	8371.1	8226.5	7845.4	7720.6	7884.8	8351.4	9849.5	10289.7	12904.8	13272.8
40°	9501.2	9560.4	9540.6	8988.7	8745.6	8923.0	9337.0	10578.8	10920.5	13391.1	14067.9
42.5°	10526.3	10559.1	10473.7	10210.9	9856.0	9869.2	10210.9	11130.8	11479.0	13857.6	14816.9
45°	11295.0	11288.5	11229.3	11163.6	10953.3	10736.5	10795.6	11741.8	12044.1	14008.7	15224.3
47.5°	11538.1	11590.7	11643.3	11827.2	11971.8	11630.1	11327.9	12070.4	12346.3	13982.4	15375.4
50°	11314.7	11426.4	11682.7	11958.7	12451.5	12425.2	11774.7	12425.2	12694.6	14127.0	15552.8
52.5°	10815.4	10927.1	11268.7	11768.1	12510.6	12878.6	12602.6	13023.1	13338.5	14494.9	15920.8
55°	9652.3	9698.3	10401.4	11058.5	12214.9	12681.4	13489.6	14035.0	14297.8	14941.8	16407.0
57.5°	7858.5	7970.3	8660.2	9731.2	11387.0	12162.4	13995.6	15763.1	15756.5	15368.9	16512.2
60°	*5171.1*	*5499.7*	*6623.3*	*7806.0*	*9783.8*	*11143.9*	*13962.7*	*17786.9*	*17990.6*	*14948.3*	*15244.0*
62.5°	3949.0	4087.0	4724.3	5709.9	7240.9	9238.4	13745.9	18391.4	18549.1	13818.2	13345.1
65°	2970.0	3140.8	3751.9	4632.3	5112.0	6261.9	12326.6	15986.5	16203.3	12333.2	10375.1
67.5°	1820.1	1958.1	2772.8	3804.4	3870.1	3889.9	8318.5	12109.8	12188.6	9948.0	6984.6
70°	1215.6	1353.6	1918.6	2924.0	3081.7	2240.6	4566.6	9166.1	9159.5	6807.2	4244.7
72.5°	703.1	768.8	1215.6	2155.2	2424.6	1425.8	2280.0	5828.2	5571.9	3199.9	1984.3
75°	400.8	446.8	670.2	1386.4	1701.8	906.8	900.2	3121.1	2759.7	1649.2	1084.2
77.5°	243.1	262.8	368.0	906.8	1025.0	611.1	499.4	1452.1	1399.6	965.9	571.7
80°	118.3	138.0	223.4	532.2	657.1	328.5	302.3	571.7	611.1	532.2	302.3
82.5°	39.4	52.6	124.8	203.7	427.1	131.4	124.8	315.4	335.1	315.4	144.6
85°	19.7	26.3	59.1	65.7	164.3	65.7	46.0	138.0	170.8	105.1	59.1
87.5°	0.0	6.6	6.6	6.6	6.6	6.6	6.6	13.1	13.1	13.1	13.1
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°	4021.3	4021.3	4021.3	4021.3	4021.3	4021.3	4021.3	4021.3	4021.3	4021.3	4021.3
2.5°	4034.4	4021.3	3995.0	3949.0	3942.4	3909.6	3857.0	3824.1	3797.9	3817.6	3824.1
5°	4106.7	4073.8	3995.0	3870.1	3738.7	3607.3	3482.5	3337.9	3239.4	3226.2	3199.9
7.5°	4238.1	4172.4	4001.6	3758.4	3423.3	3107.9	2740.0	2385.2	2207.8	2181.5	2122.3
10°	4448.4	4336.7	4054.1	3561.3	2917.4	2260.3	1701.8	1320.7	1103.9	1064.5	1077.6
12.5°	4698.0	4540.3	4060.7	3226.2	2220.9	1399.6	965.9	821.3	775.3	755.6	755.6
15°	5020.0	4790.0	4054.1	2792.5	1498.1	900.2	775.3	716.2	696.5	683.4	683.4
17.5°	5427.4	5125.1	4008.1	2142.0	1011.9	781.9	709.6	663.6	637.4	630.8	630.8
20°	5907.1	5499.7	3903.0	1596.7	847.6	729.3	670.2	611.1	591.4	578.2	578.2
22.5°	6518.1	5953.0	3699.3	1241.9	801.6	696.5	630.8	565.1	545.4	532.2	532.2
25°	7227.8	6531.3	3429.9	1117.0	795.1	670.2	591.4	525.7	505.9	499.4	492.8
27.5°	8068.8	7148.9	3180.2	1123.6	808.2	650.5	551.9	492.8	473.1	453.4	459.9
30°	9061.0	7786.3	2976.5	1202.4	821.3	630.8	525.7	473.1	453.4	427.1	427.1
32.5°	10040.0	8535.3	2956.8	1347.0	867.3	617.6	499.4	446.8	427.1	407.4	407.4
35°	11045.3	9218.7	3068.5	1537.5	959.3	597.9	466.5	420.5	400.8	387.7	381.1
37.5°	12004.7	9764.1	3173.6	1655.8	906.8	512.5	427.1	387.7	368.0	341.7	341.7
40°	12642.0	10059.7	3193.4	1563.8	749.1	459.9	387.7	348.2	322.0	308.8	302.3
42.5°	13108.5	10250.3	2970.0	1268.1	650.5	420.5	354.8	315.4	295.7	282.5	282.5
45°	13299.1	10184.6	2588.9	965.9	597.9	387.7	322.0	289.1	276.0	262.8	262.8
47.5°	13272.8	9882.3	2201.2	775.3	545.4	354.8	302.3	276.0	262.8	249.7	243.1
50°	13226.8	9599.8	1806.9	689.9	486.2	335.1	282.5	262.8	243.1	230.0	223.4
52.5°	13529.1	9507.8	1498.1	630.8	453.4	322.0	276.0	249.7	230.0	216.8	216.8
55°	13831.3	9547.2	1176.2	591.4	420.5	315.4	269.4	243.1	223.4	203.7	203.7
57.5°	13811.6	9376.4	893.6	551.9	394.2	308.8	262.8	236.5	203.7	190.6	190.6
60°	*12556.6*	*8364.5*	*696.5*	*505.9*	*361.4*	*289.1*	*243.1*	*223.4*	*190.6*	*170.8*	*170.8*
62.5°	10618.2	6577.3	571.7	446.8	322.0	262.8	223.4	203.7	170.8	138.0	138.0
65°	7845.4	4744.0	459.9	387.7	295.7	230.0	203.7	177.4	138.0	111.7	105.1
67.5°	5309.1	2917.4	368.0	322.0	262.8	197.1	170.8	151.1	124.8	92.0	85.4
70°	3147.4	1550.7	269.4	223.4	197.1	144.6	144.6	131.4	105.1	78.8	72.3
72.5°	1498.1	538.8	197.1	164.3	151.1	105.1	111.7	111.7	85.4	59.1	52.6
75°	762.2	262.8	131.4	118.3	98.6	78.8	92.0	85.4	59.1	39.4	39.4
77.5°	433.7	184.0	92.0	78.8	65.7	52.6	59.1	52.6	32.9	19.7	19.7
80°	243.1	131.4	59.1	52.6	39.4	32.9	32.9	26.3	19.7	6.6	6.6
82.5°	92.0	78.8	39.4	26.3	19.7	19.7	13.1	13.1	6.6	0.0	0.0
85°	39.4	19.7	19.7	13.1	13.1	6.6	6.6	6.6	0.0	0.0	0.0
87.5°	6.6	6.6	6.6	6.6	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°	4021.3	4021.3	4021.3	4021.3	4021.3	4021.3	4021.3	4021.3	4021.3	4021.3	4021.3
2.5°	3771.6	3784.7	3797.9	3850.4	3863.6	3903.0	3935.8	3975.3	3981.8	4034.4	4034.4
5°	3252.5	3245.9	3357.6	3521.9	3627.0	3771.6	3883.3	4001.6	4067.3	4152.7	4192.1
7.5°	2155.2	2319.5	2569.1	2858.3	3232.8	3581.0	3843.9	4073.8	4231.5	4330.1	4369.5
10°	1071.0	1163.0	1425.8	1898.9	2536.3	3245.9	3804.4	4231.5	4487.8	4599.5	4671.8
12.5°	755.6	775.3	821.3	1077.6	1688.7	2694.0	3679.6	4402.4	4757.2	4967.4	5059.4
15°	676.8	689.9	709.6	781.9	1044.7	2010.6	3456.2	4592.9	5177.7	5420.8	5539.1
17.5°	624.2	630.8	650.5	709.6	821.3	1366.7	3094.8	4796.6	5683.6	5979.3	6202.7
20°	578.2	578.2	597.9	670.2	762.2	1051.3	2575.7	5026.6	6327.6	6754.7	6978.1
22.5°	525.7	538.8	551.9	630.8	742.5	959.3	2089.5	5204.0	7043.8	7562.9	7825.7
25°	486.2	499.4	512.5	591.4	722.8	959.3	1806.9	5315.7	7845.4	8463.1	8824.4
27.5°	453.4	466.5	486.2	565.1	703.1	998.7	1695.2	5348.5	8719.3	9520.9	10007.2
30°	427.1	440.2	459.9	545.4	716.2	1044.7	1734.7	5302.5	9606.4	10611.7	11189.9
32.5°	400.8	414.0	433.7	525.7	716.2	1103.9	1866.1	5210.6	10467.1	11702.4	12412.0
35°	381.1	387.7	394.2	473.1	650.5	1097.3	2030.3	5118.6	11334.4	12780.0	13607.9
37.5°	341.7	348.2	361.4	407.4	519.1	998.7	2063.2	5006.9	12017.8	13686.8	14600.1
40°	302.3	315.4	328.5	374.5	433.7	808.2	1918.6	4770.3	12379.2	14383.2	15493.7
42.5°	276.0	282.5	295.7	341.7	400.8	643.9	1609.8	4356.4	12701.2	14856.3	16144.2
45°	256.3	262.8	276.0	308.8	374.5	558.5	1268.1	3850.4	12727.4	15007.5	16459.6
47.5°	236.5	243.1	249.7	282.5	361.4	499.4	972.5	3390.5	12720.9	15204.6	16729.0
50°	223.4	230.0	243.1	269.4	341.7	446.8	801.6	3015.9	12996.8	15631.7	17274.4
52.5°	216.8	216.8	236.5	262.8	322.0	407.4	670.2	2680.8	13141.4	16052.2	17668.6
55°	203.7	210.3	223.4	249.7	302.3	387.7	571.7	2260.3	13207.1	16262.5	17740.9
57.5°	190.6	197.1	216.8	236.5	289.1	368.0	492.8	1688.7	12267.5	15165.2	16531.9
60°	*170.8*	*184.0*	*210.3*	*230.0*	*269.4*	*335.1*	*433.7*	*1143.3*	*10348.8*	*13180.8*	*14324.1*
62.5°	138.0	164.3	190.6	203.7	243.1	282.5	368.0	762.2	8265.9	10907.4	12208.3
65°	105.1	138.0	157.7	177.4	203.7	236.5	308.8	519.1	5512.8	7339.5	8804.7
67.5°	92.0	118.3	131.4	144.6	170.8	203.7	249.7	361.4	3344.5	4408.9	5854.5
70°	72.3	98.6	111.7	105.1	131.4	157.7	177.4	243.1	1708.4	2391.7	3331.3
72.5°	52.6	78.8	85.4	85.4	78.8	111.7	131.4	170.8	742.5	1163.0	1511.3
75°	39.4	52.6	59.1	52.6	46.0	72.3	92.0	111.7	486.2	696.5	880.5
77.5°	19.7	19.7	32.9	32.9	19.7	39.4	46.0	65.7	276.0	407.4	505.9
80°	6.6	0.0	0.0	6.6	0.0	13.1	19.7	32.9	144.6	216.8	315.4
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.6	72.3	65.7	164.3
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	13.1	39.4
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: P1501819
CATALOG NUMBER: GSS-SB4C-735-U-T2LG-HSS

CANDELA DISTRIBUTION (continued):

	285°	293°	295°	305°	315°	325°	335°	345°	355°	360°
0°	4021.3	*4021.3*	4021.3	4021.3	4021.3	4021.3	4021.3	4021.3	4021.3	4021.3
2.5°	4067.3	*4067.3*	4093.5	4133.0	4152.7	4165.8	4172.4	4185.5	4238.1	4225.0
5°	4238.1	*4251.2*	4271.0	4310.4	4356.4	4343.2	4343.2	4343.2	4376.1	4349.8
7.5°	4461.5	*4500.9*	4507.5	4553.5	4520.6	4454.9	4415.5	4356.4	4349.8	4349.8
10°	4822.9	*4809.7*	4809.7	4750.6	4632.3	4441.8	4271.0	4152.7	4087.0	4093.5
12.5°	5210.6	*5158.0*	5164.6	4947.7	4612.6	4192.1	3843.9	3587.6	3567.9	3548.2
15°	5690.2	*5552.2*	5526.0	5026.6	4316.9	3673.0	3331.3	3127.6	3061.9	3042.2
17.5°	6373.6	*6025.3*	5900.5	4888.6	3929.3	3351.1	3094.8	3002.8	2996.2	2989.7
20°	7096.3	*6406.4*	6169.9	4684.9	3797.9	3357.6	3167.1	3140.8	3127.6	3134.2
22.5°	7937.4	*6649.5*	6347.3	4717.8	3916.1	3574.5	3423.3	3403.6	3390.5	3403.6
25°	8804.7	*6932.1*	6557.6	4980.6	4271.0	3975.3	3797.9	3758.4	3797.9	3857.0
27.5°	9678.6	*7313.2*	6971.5	5499.7	4842.6	4520.6	4349.8	4494.4	4553.5	4560.1
30°	10454.0	*7845.4*	7530.0	6229.0	5493.1	5171.1	5204.0	5388.0	5460.2	5532.5
32.5°	11163.6	*8555.0*	8311.9	7056.9	6334.1	6143.6	6123.9	6261.9	6340.7	6294.7
35°	11879.8	*9481.5*	9245.0	7957.1	7365.7	7208.1	7043.8	7313.2	7286.9	7214.6
37.5°	12556.6	*10414.5*	10197.7	8923.0	8311.9	8036.0	8009.7	8252.8	8469.6	8456.5
40°	13042.8	*11170.2*	10907.4	9882.3	9304.1	9067.6	9205.5	9626.1	9573.5	9501.2
42.5°	13489.6	*11814.1*	11577.6	10723.4	10118.9	10224.0	10348.8	10631.4	10598.5	10526.3
45°	13699.9	*12366.0*	12162.4	11360.7	11065.0	11400.2	11393.6	11498.7	11321.3	11295.0
47.5°	13995.6	*12760.3*	12550.0	11932.4	12195.2	12333.2	11945.5	11833.8	11669.6	11538.1
50°	14540.9	*13371.4*	13161.1	12799.7	13023.1	12596.0	12122.9	11879.8	11544.7	11314.7
52.5°	15178.3	*14297.8*	14113.8	13969.3	13345.1	12464.6	11860.1	11419.9	11012.5	10815.4
55°	15979.9	*15664.5*	15533.1	14738.1	13056.0	11925.8	11216.2	10394.8	9836.3	9652.3
57.5°	16242.8	*17668.6*	17622.6	14862.9	12247.8	10946.8	9665.5	8555.0	7976.8	7858.5
60°	*15467.4*	*19239.0*	*19074.7*	*14652.6*	*10782.5*	*8883.6*	*7385.5*	*6248.7*	*5309.1*	*5171.1*
62.5°	14475.2	*18036.6*	17977.4	13594.8	8213.4	6367.0	5519.4	4454.9	4054.1	3949.0
65°	12398.9	*14757.8*	14784.1	10907.4	5197.4	4573.2	4533.8	3541.6	3048.8	2970.0
67.5°	9547.2	*11321.3*	11137.3	6859.8	3029.1	3659.9	3620.5	2588.9	1872.6	1820.1
70°	5578.5	*8430.2*	8134.5	3567.9	2004.1	3055.4	2786.0	1820.1	1274.7	1215.6
72.5°	2464.0	*4638.9*	4980.6	1570.4	1412.7	2431.2	2010.6	1117.0	716.2	703.1
75°	1366.7	*2299.7*	2404.9	683.4	992.2	1728.1	1215.6	624.2	407.4	400.8
77.5°	821.3	*1018.5*	992.2	440.2	742.5	1103.9	735.9	354.8	256.3	243.1
80°	459.9	*466.5*	394.2	322.0	440.2	617.6	414.0	223.4	118.3	118.3
82.5°	282.5	*256.3*	203.7	98.6	118.3	374.5	151.1	124.8	39.4	39.4
85°	118.3	*78.8*	52.6	19.7	46.0	98.6	52.6	59.1	19.7	19.7
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: SP1-2407-184-5

Test Date: 10/10/2024

Luminaire Tested: GSS-SB1A-735-U-5WQ

Data in this report applies to families of products including GSS-SB1A-735-U-5WQ

Report Generated By FNC07603 / LDUCLS01DT446
Version: v7.04

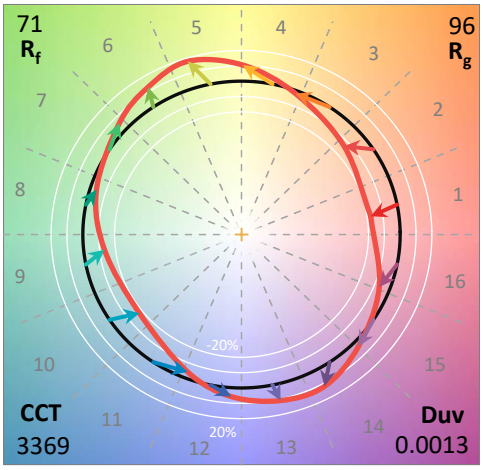
Test Information

Test Method:	LM-79-2019
Report Number:	SP1-2407-184-5
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-735-U-5WQ**
Description:	GALLEON II SITE SLIM 1SQ 350MA 5WQ HIGH DENSITY LIGHTSQUARE WITH 70 CRI 3500K CCT 26 LEDS

Spectral Parameters

CCT (K):	3369
CIE u':	0.2386
CIE v':	0.5156
Duv:	0.0013
CIE x:	0.4143
CIE y:	0.3980
CIE z:	0.1877
Peak Wavelength (nm):	590
Dominant Wavelength (nm):	580
Purity:	43.80166
Rf:	71.4
Rg:	96

CRI (Ra):	70.1
R1:	66.6
R2:	77.6
R3:	88.5
R4:	69.5
R5:	66.4
R6:	69.6
R7:	77.5
R8:	44.9
R9:	-40.2
R10:	49.1
R11:	66.3
R12:	45.7
R13:	68.0
R14:	93.4
R15:	57.6



Test Conditions

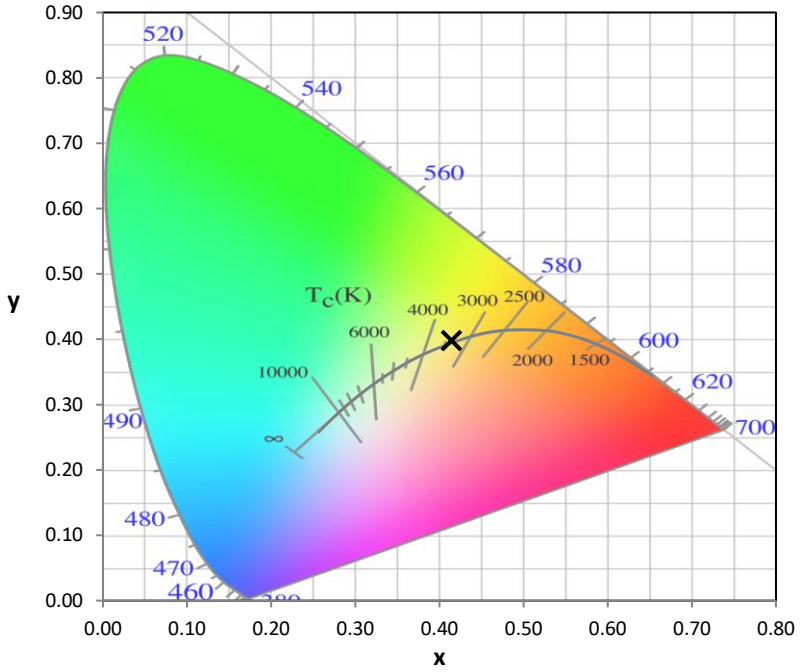
Stabilization Time:	21M
Operation Time:	1H 21M
Sphere Temperature (°C):	25.2

REPORT NUMBER: SP1-2407-184-5

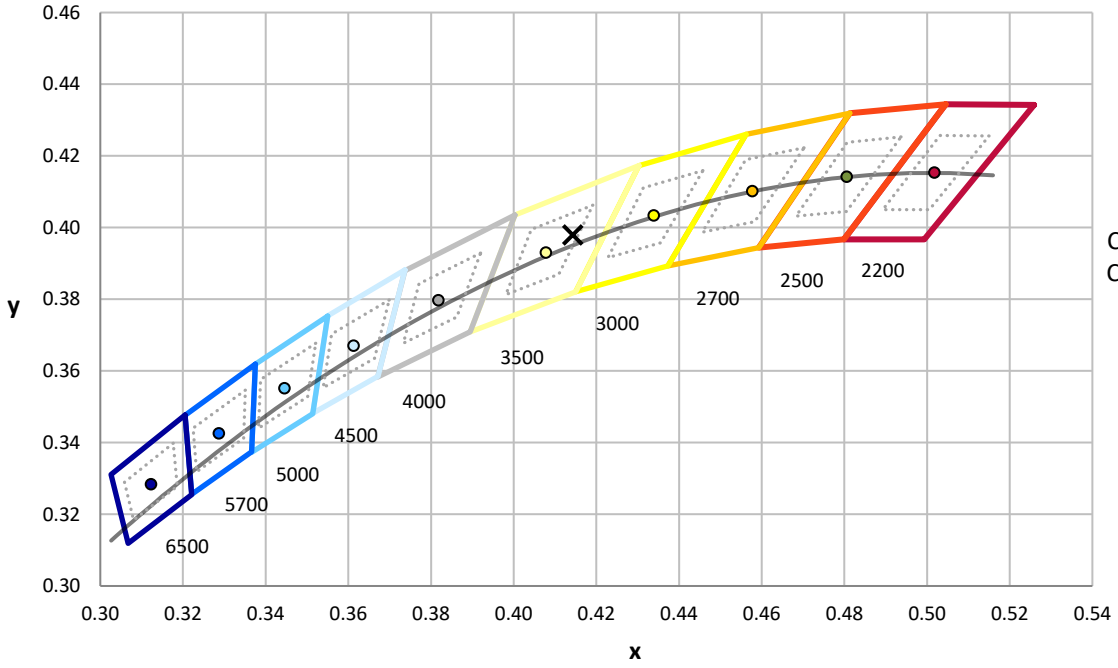
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

REPORT NUMBER: SP1-2407-184-5

CIE 1931 Chromaticity Diagram



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

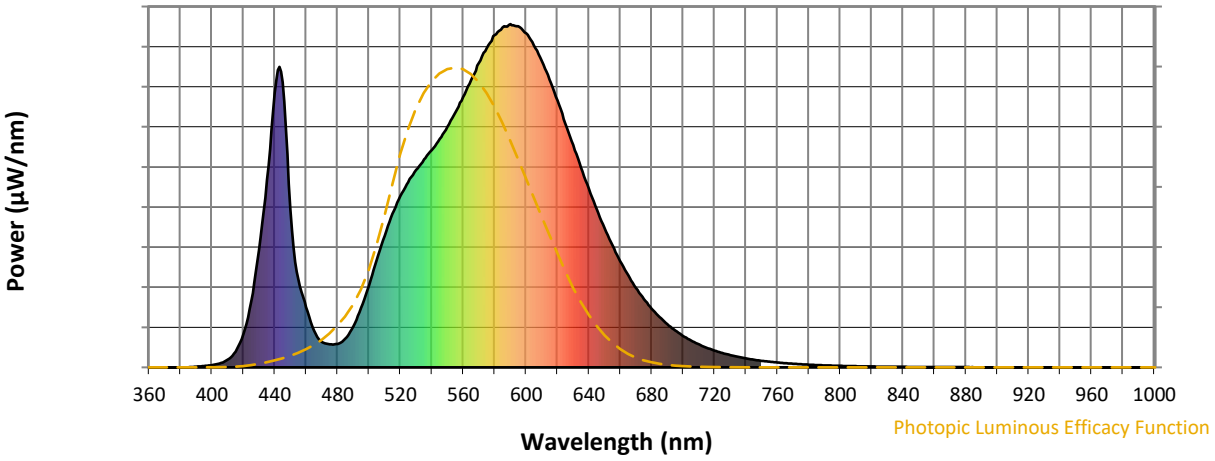


CCT = 3369K
CIE x = 0.4143
CIE y = 0.3980
Duv = 0.0013

Point lies inside the ANSI 3500K 4-step quadrangle

REPORT NUMBER: SP1-2407-184-5

Photopic Flux vs. Wavelength

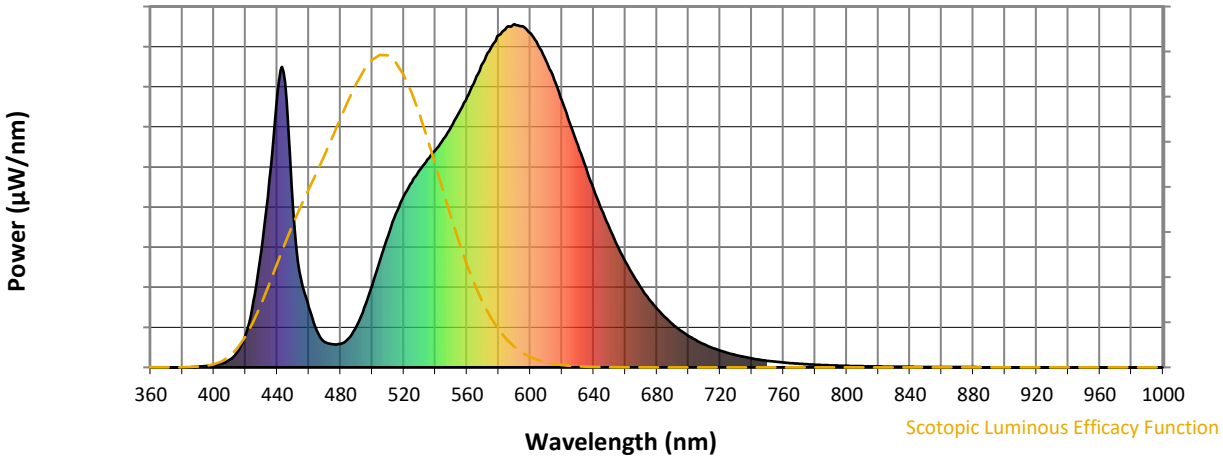


Photopic Lumens: NR

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	119	NR	620	778	NR	750	19	NR	880	1	NR
365	0	NR	495	173	NR	625	711	NR	755	16	NR	885	0	NR
370	0	NR	500	239	NR	630	648	NR	760	14	NR	890	0	NR
375	0	NR	505	313	NR	635	582	NR	765	12	NR	895	0	NR
380	0	NR	510	383	NR	640	520	NR	770	11	NR	900	0	NR
385	0	NR	515	448	NR	645	460	NR	775	9	NR	905	0	NR
390	2	NR	520	500	NR	650	406	NR	780	8	NR	910	0	NR
395	4	NR	525	539	NR	655	355	NR	785	7	NR	915	0	NR
400	6	NR	530	575	NR	660	309	NR	790	6	NR	920	0	NR
405	11	NR	535	606	NR	665	269	NR	795	5	NR	925	0	NR
410	22	NR	540	633	NR	670	231	NR	800	4	NR	930	0	NR
415	45	NR	545	666	NR	675	199	NR	805	4	NR	935	0	NR
420	96	NR	550	701	NR	680	171	NR	810	3	NR	940	0	NR
425	193	NR	555	743	NR	685	147	NR	815	3	NR	945	0	NR
430	341	NR	560	788	NR	690	126	NR	820	3	NR	950	0	NR
435	547	NR	565	837	NR	695	107	NR	825	2	NR	955	0	NR
440	799	NR	570	887	NR	700	92	NR	830	2	NR	960	0	NR
445	831	NR	575	931	NR	705	78	NR	835	2	NR	965	0	NR
450	461	NR	580	967	NR	710	67	NR	840	2	NR	970	0	NR
455	256	NR	585	990	NR	715	57	NR	845	1	NR	975	0	NR
460	176	NR	590	1000	NR	720	49	NR	850	1	NR	980	0	NR
465	107	NR	595	994	NR	725	42	NR	855	1	NR	985	0	NR
470	74	NR	600	973	NR	730	36	NR	860	1	NR	990	0	NR
475	67	NR	605	938	NR	735	31	NR	865	1	NR	995	0	NR
480	68	NR	610	892	NR	740	26	NR	870	1	NR	1000	0	NR
485	84	NR	615	838	NR	745	22	NR	875	1	NR			

REPORT NUMBER: SP1-2407-184-5

Scotopic Flux vs. Wavelength

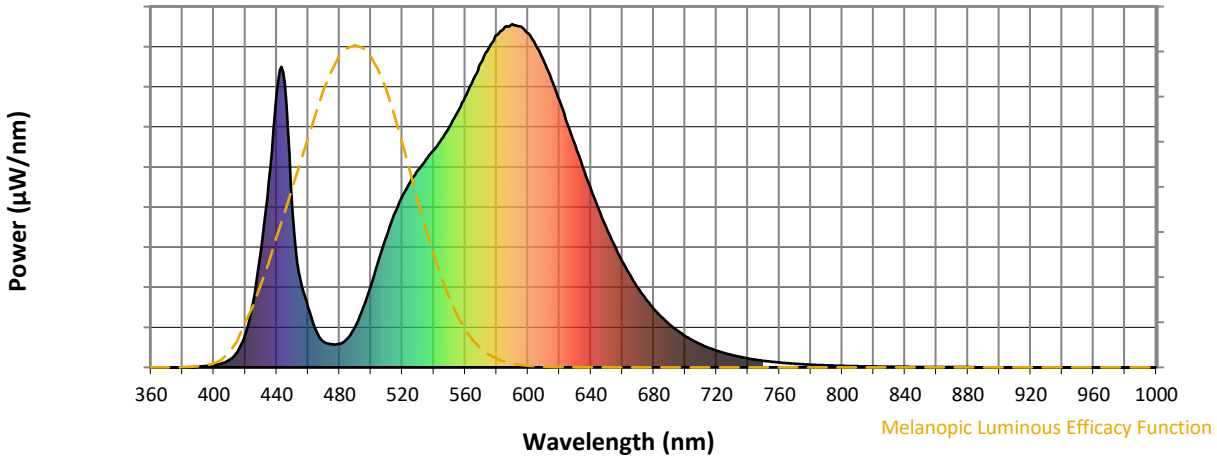


Scotopic Lumens: NR **S/P: 1.29**

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	119	NR	620	778	NR	750	19	NR	880	1	NR
365	0	NR	495	173	NR	625	711	NR	755	16	NR	885	0	NR
370	0	NR	500	239	NR	630	648	NR	760	14	NR	890	0	NR
375	0	NR	505	313	NR	635	582	NR	765	12	NR	895	0	NR
380	0	NR	510	383	NR	640	520	NR	770	11	NR	900	0	NR
385	0	NR	515	448	NR	645	460	NR	775	9	NR	905	0	NR
390	2	NR	520	500	NR	650	406	NR	780	8	NR	910	0	NR
395	4	NR	525	539	NR	655	355	NR	785	7	NR	915	0	NR
400	6	NR	530	575	NR	660	309	NR	790	6	NR	920	0	NR
405	11	NR	535	606	NR	665	269	NR	795	5	NR	925	0	NR
410	22	NR	540	633	NR	670	231	NR	800	4	NR	930	0	NR
415	45	NR	545	666	NR	675	199	NR	805	4	NR	935	0	NR
420	96	NR	550	701	NR	680	171	NR	810	3	NR	940	0	NR
425	193	NR	555	743	NR	685	147	NR	815	3	NR	945	0	NR
430	341	NR	560	788	NR	690	126	NR	820	3	NR	950	0	NR
435	547	NR	565	837	NR	695	107	NR	825	2	NR	955	0	NR
440	799	NR	570	887	NR	700	92	NR	830	2	NR	960	0	NR
445	831	NR	575	931	NR	705	78	NR	835	2	NR	965	0	NR
450	461	NR	580	967	NR	710	67	NR	840	2	NR	970	0	NR
455	256	NR	585	990	NR	715	57	NR	845	1	NR	975	0	NR
460	176	NR	590	1000	NR	720	49	NR	850	1	NR	980	0	NR
465	107	NR	595	994	NR	725	42	NR	855	1	NR	985	0	NR
470	74	NR	600	973	NR	730	36	NR	860	1	NR	990	0	NR
475	67	NR	605	938	NR	735	31	NR	865	1	NR	995	0	NR
480	68	NR	610	892	NR	740	26	NR	870	1	NR	1000	0	NR
485	84	NR	615	838	NR	745	22	NR	875	1	NR			

REPORT NUMBER: SP1-2407-184-5

Melanopic Flux vs. Wavelength



Melanopic Lumens: NR **M/P: 2.36**

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	119	NR	620	778	NR	750	19	NR	880	1	NR
365	0	NR	495	173	NR	625	711	NR	755	16	NR	885	0	NR
370	0	NR	500	239	NR	630	648	NR	760	14	NR	890	0	NR
375	0	NR	505	313	NR	635	582	NR	765	12	NR	895	0	NR
380	0	NR	510	383	NR	640	520	NR	770	11	NR	900	0	NR
385	0	NR	515	448	NR	645	460	NR	775	9	NR	905	0	NR
390	2	NR	520	500	NR	650	406	NR	780	8	NR	910	0	NR
395	4	NR	525	539	NR	655	355	NR	785	7	NR	915	0	NR
400	6	NR	530	575	NR	660	309	NR	790	6	NR	920	0	NR
405	11	NR	535	606	NR	665	269	NR	795	5	NR	925	0	NR
410	22	NR	540	633	NR	670	231	NR	800	4	NR	930	0	NR
415	45	NR	545	666	NR	675	199	NR	805	4	NR	935	0	NR
420	96	NR	550	701	NR	680	171	NR	810	3	NR	940	0	NR
425	193	NR	555	743	NR	685	147	NR	815	3	NR	945	0	NR
430	341	NR	560	788	NR	690	126	NR	820	3	NR	950	0	NR
435	547	NR	565	837	NR	695	107	NR	825	2	NR	955	0	NR
440	799	NR	570	887	NR	700	92	NR	830	2	NR	960	0	NR
445	831	NR	575	931	NR	705	78	NR	835	2	NR	965	0	NR
450	461	NR	580	967	NR	710	67	NR	840	2	NR	970	0	NR
455	256	NR	585	990	NR	715	57	NR	845	1	NR	975	0	NR
460	176	NR	590	1000	NR	720	49	NR	850	1	NR	980	0	NR
465	107	NR	595	994	NR	725	42	NR	855	1	NR	985	0	NR
470	74	NR	600	973	NR	730	36	NR	860	1	NR	990	0	NR
475	67	NR	605	938	NR	735	31	NR	865	1	NR	995	0	NR
480	68	NR	610	892	NR	740	26	NR	870	1	NR	1000	0	NR
485	84	NR	615	838	NR	745	22	NR	875	1	NR			

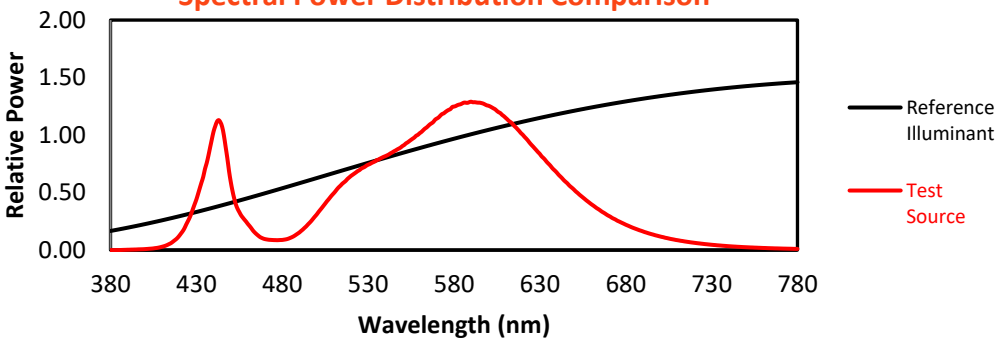
REPORT NUMBER: SP1-2407-184-5

TM-30-18

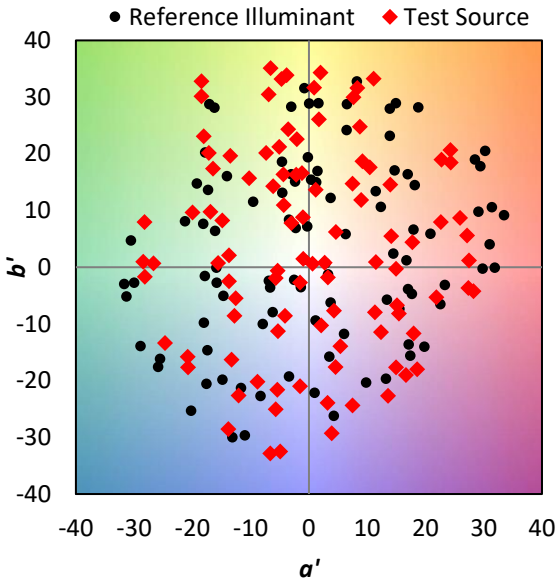
Summary

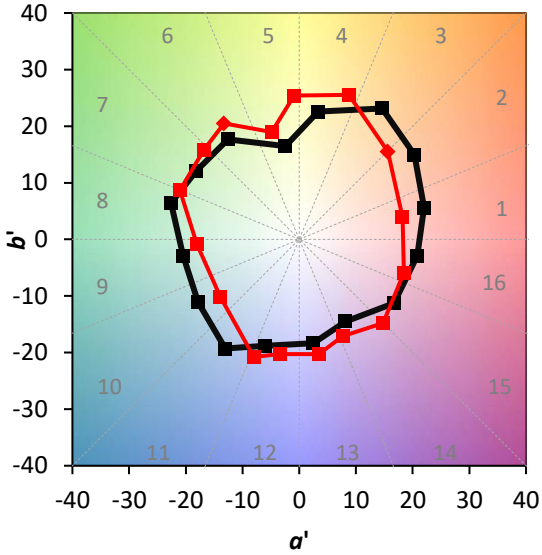
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R_g = 96
CIE R_a = 70.1
R_9 = -40.2

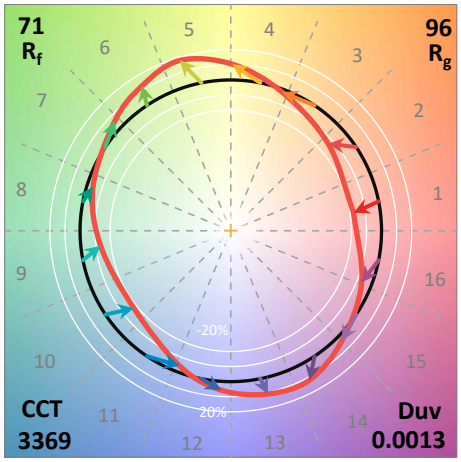
Spectral Power Distribution Comparison

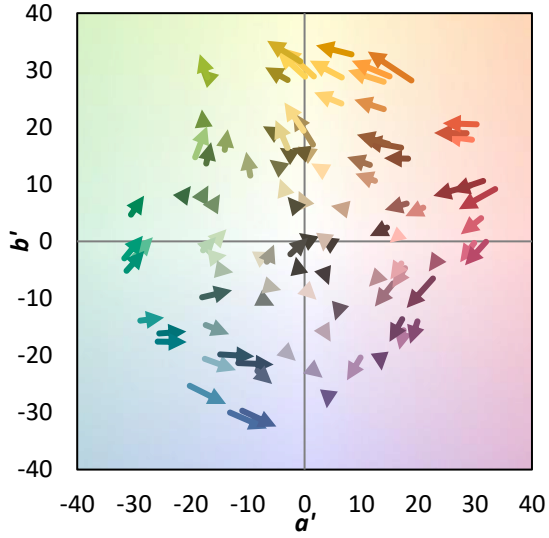


Color Vector Graphics







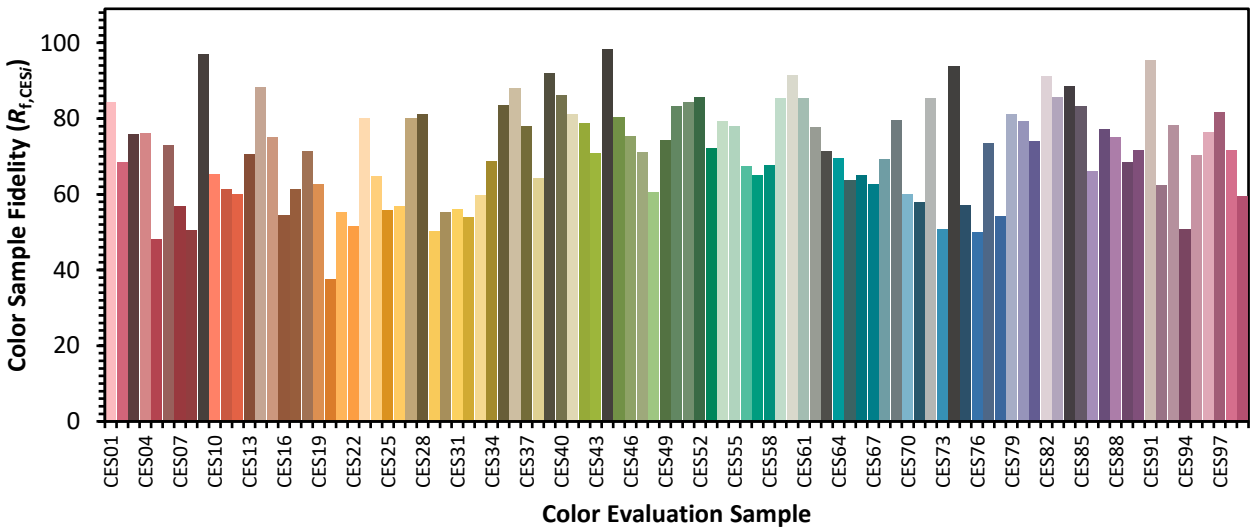


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Individual Sample Fidelity Index ($R_{f,i}$)

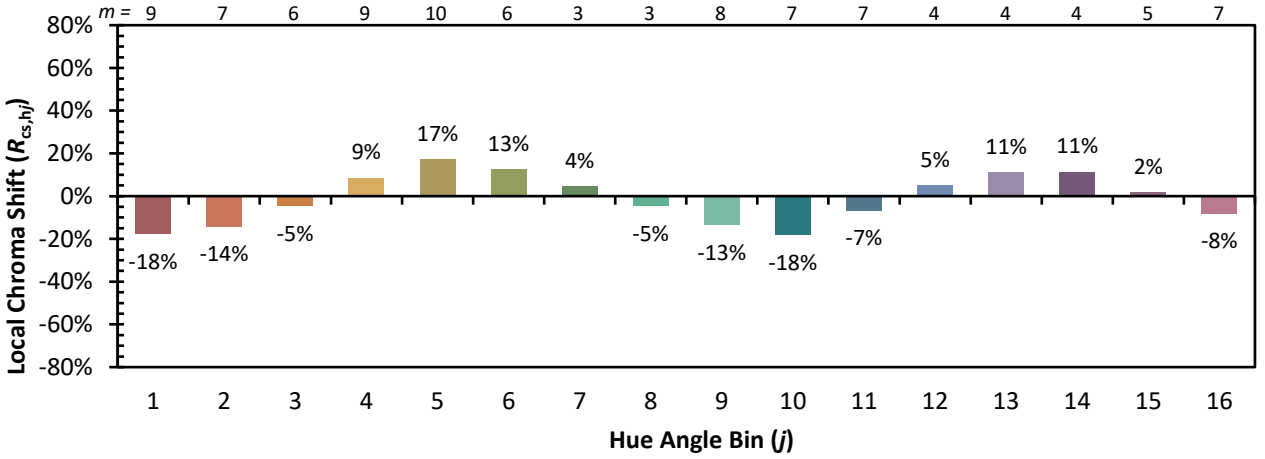
CES01 = 86	CES26 = 57	CES51 = 84	CES76 = 50
CES02 = 62	CES27 = 80	CES52 = 86	CES77 = 74
CES03 = 31	CES28 = 81	CES53 = 72	CES78 = 54
CES04 = 70	CES29 = 50	CES54 = 79	CES79 = 81
CES05 = 48	CES30 = 55	CES55 = 78	CES80 = 79
CES06 = 51	CES31 = 56	CES56 = 67	CES81 = 74
CES07 = 40	CES32 = 54	CES57 = 65	CES82 = 91
CES08 = 39	CES33 = 60	CES58 = 68	CES83 = 86
CES09 = 29	CES34 = 69	CES59 = 85	CES84 = 89
CES10 = 75	CES35 = 83	CES60 = 91	CES85 = 83
CES11 = 58	CES36 = 88	CES61 = 85	CES86 = 66
CES12 = 64	CES37 = 78	CES62 = 78	CES87 = 77
CES13 = 43	CES38 = 64	CES63 = 71	CES88 = 75
CES14 = 74	CES39 = 92	CES64 = 70	CES89 = 68
CES15 = 71	CES40 = 86	CES65 = 64	CES90 = 72
CES16 = 47	CES41 = 81	CES66 = 65	CES91 = 95
CES17 = 50	CES42 = 79	CES67 = 63	CES92 = 62
CES18 = 56	CES43 = 71	CES68 = 69	CES93 = 78
CES19 = 72	CES44 = 98	CES69 = 80	CES94 = 51
CES20 = 65	CES45 = 80	CES70 = 60	CES95 = 70
CES21 = 87	CES46 = 75	CES71 = 58	CES96 = 76
CES22 = 79	CES47 = 71	CES72 = 85	CES97 = 82
CES23 = 92	CES48 = 61	CES73 = 51	CES98 = 72
CES24 = 91	CES49 = 74	CES74 = 94	CES99 = 60
CES25 = 72	CES50 = 83	CES75 = 57	

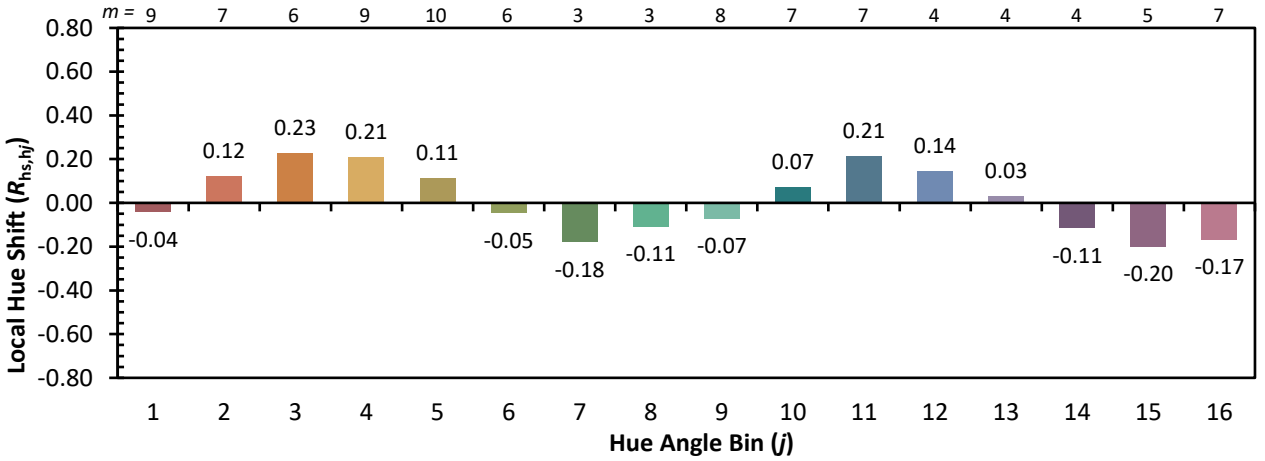


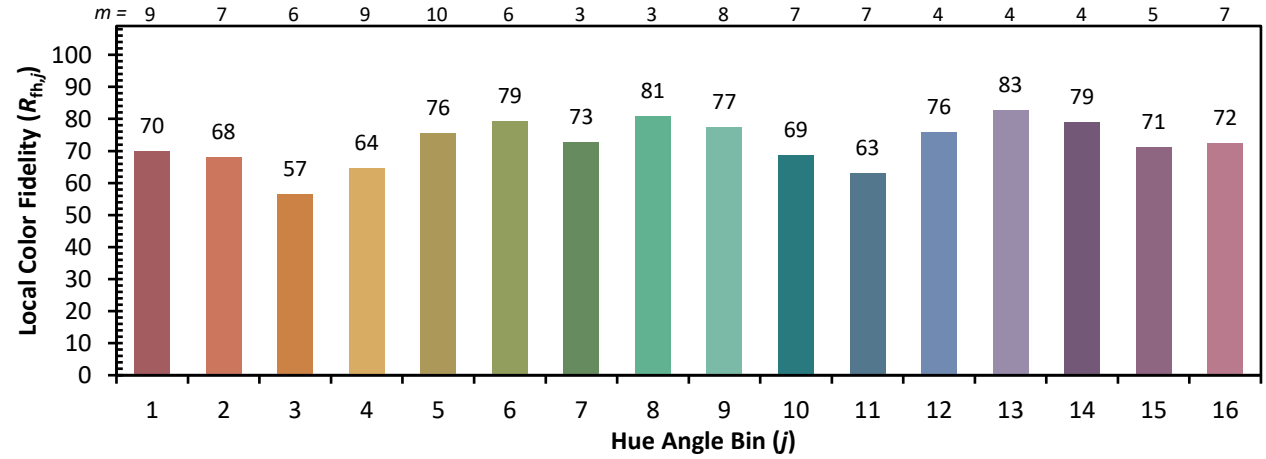
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Color Rendition by Hue-Angle Bin



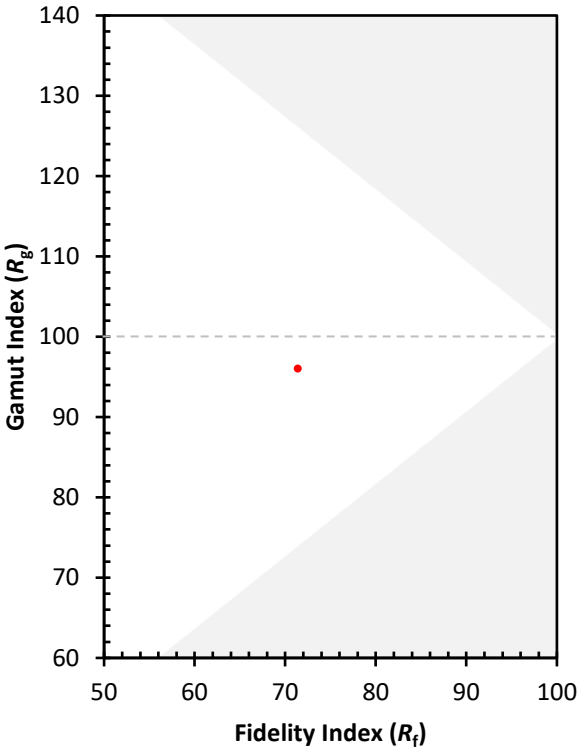


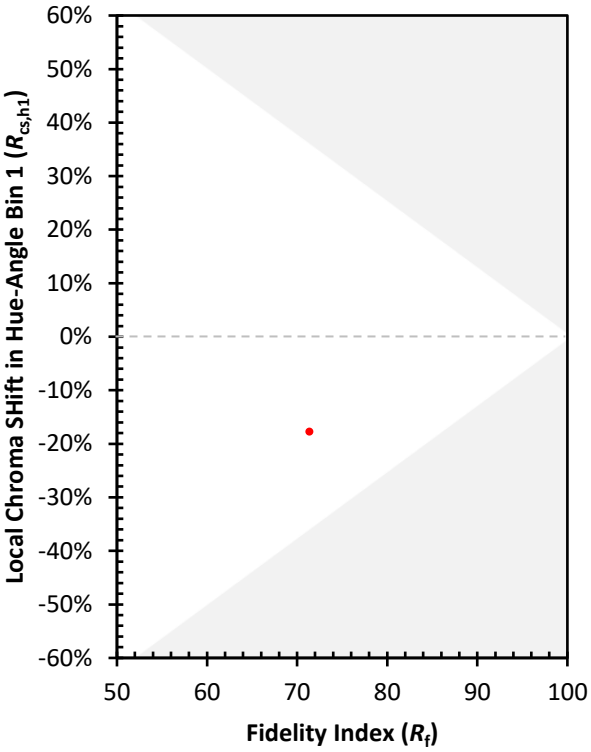


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Measure Comparisons





(END OF REPORT)