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: P1501897

Luminaire Tested: GSS-SB6A-827-U-T2LG-HSS

Issue Date: 07/20/2026

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Scaled Data Report

Test Information

Test Method:	LM-79-2024
Report Number:	P1501897
Test Lab:	INNOVATION CENTER(G1)
Issue Date:	7/20/2026
Manufacturer:	COOPER LIGHTING SOLUTIONS
Product Line:	McGRAW-EDISON
Catalog Number:	GSS-SB6A-827-U-T2LG-HSS
Description:	GALLEON II SLIM SITE HIGH DENSITY LED ARRAYS 6SQUARE 170W 80CRI 2700K FIXTURE w/ TYPE II LOW GLARE DISTRIBUTION FIXTURE W/ HOUSE SIDE SHIELD
Light Source:	(156) 2700K CCT, 80 CRI LEDS
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	18425.4 lumens
Efficiency:	N/A
Efficacy:	108.4 lumens/watt
Luminous Opening:	Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification:	Type II - Short
BUG Rating:	B2 - U0 - G2

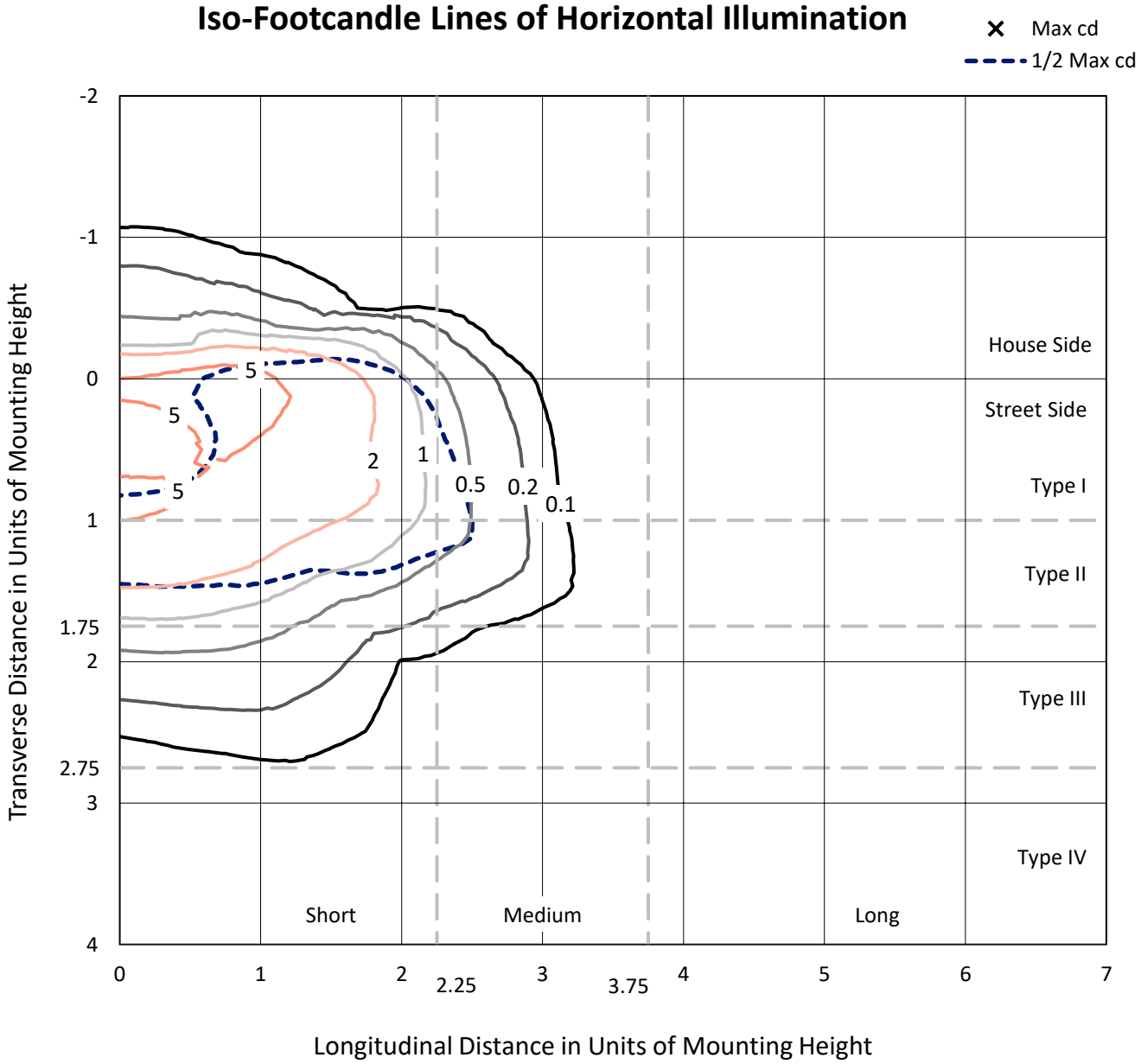
Input Watts (W):	170
Input Voltage (V):	120
Input Current (Ain):	NR
Voltage Rise (V):	NR
Power Factor:	0.98
Total Harmonic Distortion (THDi):	12.0%
Frequency (hertz):	60
Stabilization Time:	NR
Operation Time:	NR
Ambient Temperature (°C):	NR
Test Distance:	28.75 FT

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Iso-Footcandle Lines of Horizontal Illumination



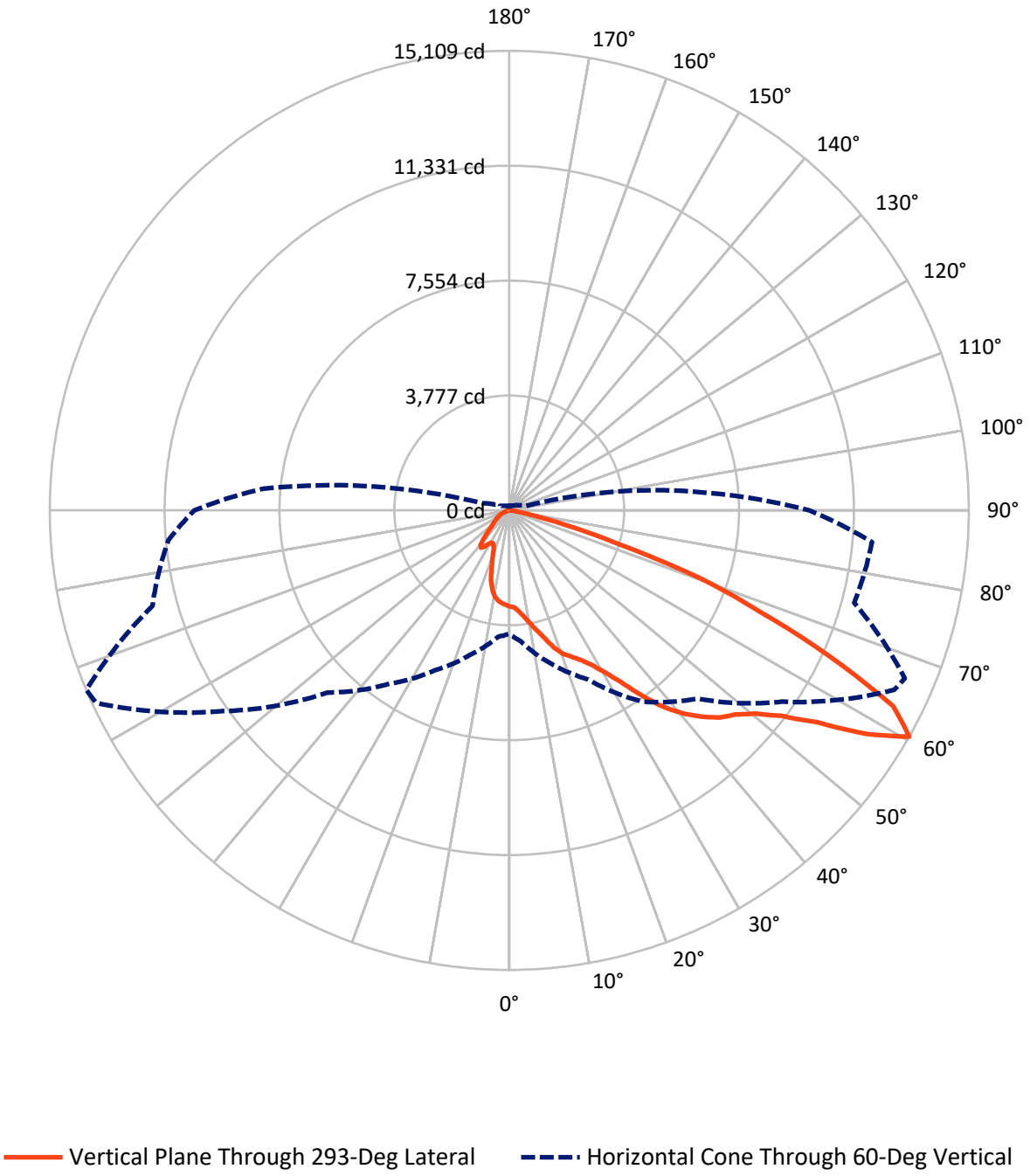
Based on 25 foot mounting height. Maximum calculated value = 8.4 fc
Type II - Short - N/A

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Luminous Intensity Polar Plot



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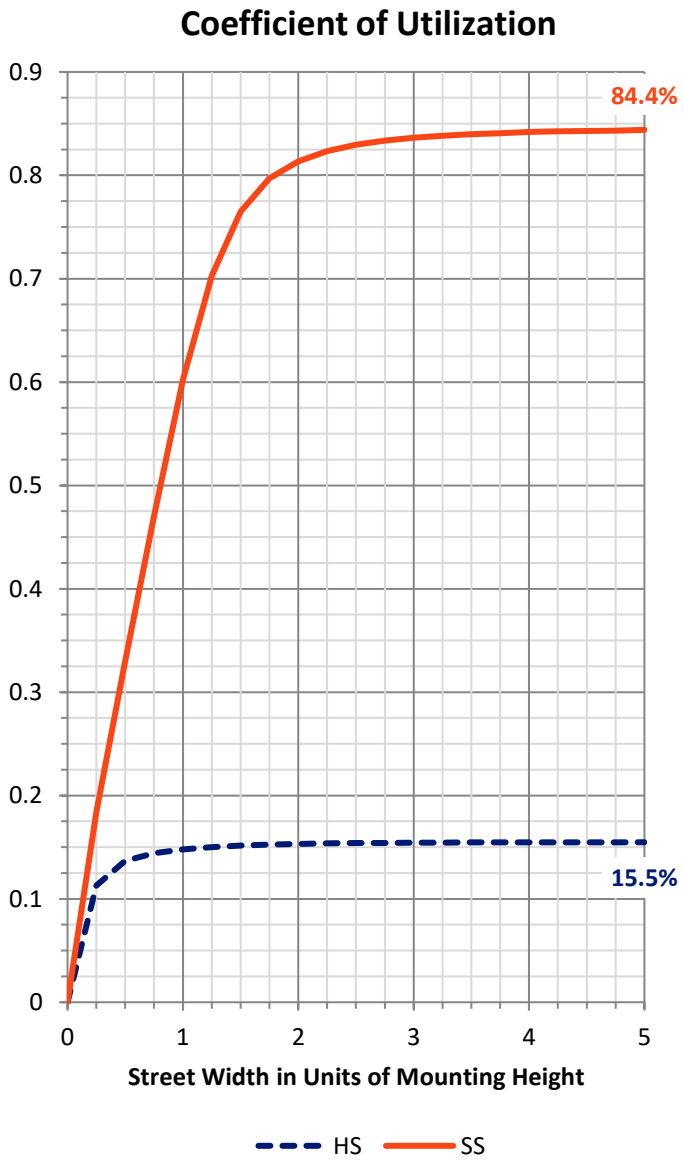
REPORT NUMBER: P1501897
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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2874.8	0.0	2874.8
	% Fixture	15.6	0.0	15.6
Street Side	Lumens	15550.6	0.0	15550.6
	% Fixture	84.4	0.0	84.4
Total	Lumens	18425.4	0.0	18425.4
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	285.9	1.6
10°-20°	720.2	3.9
20°-30°	1344.4	7.3
30°-40°	2666.1	14.5
40°-50°	4250.7	23.1
50°-60°	5078.5	27.6
60°-70°	3329.3	18.1
70°-80°	697.5	3.8
80°-90°	52.8	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°	18425.4	100.0
0°-180°	18425.4	100.0



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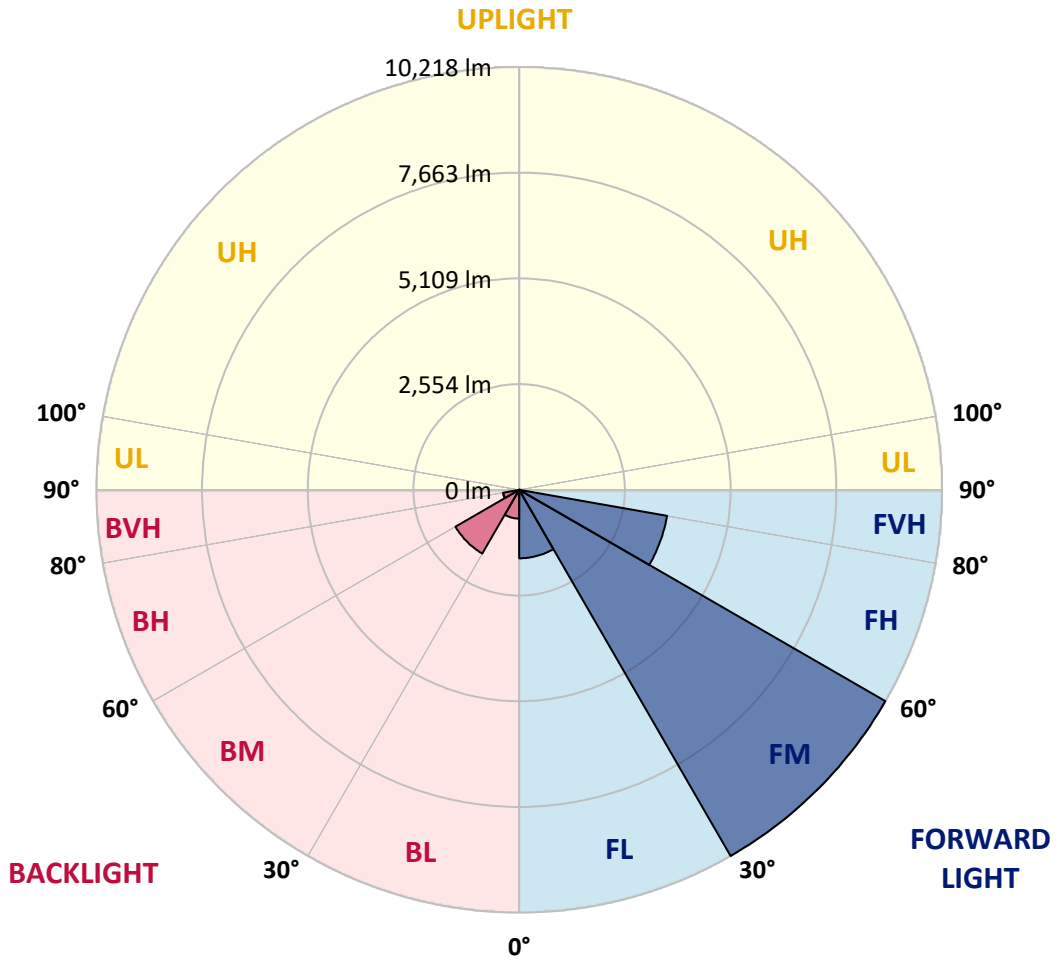
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	1655.0	9.0			
FM	(30°-60°)	10217.6	55.5			
FH	(60°-80°)	3629.7	19.7			G2/5000
FVH	(80°-90°)	48.3	0.3			G1/100
BL	(0°-30°)	695.5	3.8	B2/1000		
BM	(30°-60°)	1777.8	9.6	B2/2500		
BH	(60°-80°)	397.1	2.2	B1/500		G1/500
BVH	(80°-90°)	4.4	0.0			G0/10
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: 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°	3157.9	3157.9	3157.9	3157.9	3157.9	3157.9	3157.9	3157.9	3157.9	3157.9	3157.9
2.5°	3317.9	3307.6	3292.1	3297.2	3292.1	3271.4	3240.5	3214.7	3235.3	3204.4	3183.7
5°	3415.9	3415.9	3405.6	3405.6	3410.8	3400.4	3379.8	3343.7	3348.8	3323.0	3256.0
7.5°	3415.9	3400.4	3426.2	3452.0	3498.5	3524.3	3534.6	3514.0	3524.3	3472.7	3385.0
10°	3214.7	3204.4	3271.4	3369.5	3503.6	3622.3	3699.7	3704.9	3720.4	3668.8	3565.6
12.5°	2786.4	2765.8	2899.9	3085.7	3359.2	3632.6	3849.4	3931.9	3968.0	3947.4	3802.9
15°	2389.1	2414.9	2507.8	2709.0	3075.4	3493.3	3931.9	4205.4	4257.0	4282.8	4112.5
17.5°	2347.8	2353.0	2383.9	2482.0	2760.6	3266.3	3942.2	4489.2	4561.4	4675.0	4442.8
20°	2461.3	2451.0	2482.0	2512.9	2647.1	3065.0	3844.2	4762.7	4902.0	5144.5	4891.7
22.5°	2672.9	2672.9	2688.4	2709.0	2776.1	3049.6	3802.9	5015.5	5252.9	5748.2	5454.1
25°	3028.9	2987.6	2998.0	2972.2	3028.9	3235.3	3895.8	5216.8	5541.8	6419.0	6124.9
27.5°	3581.0	3596.5	3503.6	3364.3	3395.3	3570.7	4122.8	5443.8	5841.1	7115.6	6806.0
30°	4344.7	4318.9	4262.2	3988.7	3864.8	4019.6	4540.8	5815.3	6243.6	7998.0	7714.2
32.5°	4943.3	5015.5	4917.5	4726.6	4535.6	4582.1	5129.0	6413.9	6733.8	8808.1	8653.3
35°	5665.7	5665.7	5686.3	5418.0	5289.0	5278.7	5866.9	7064.0	7384.0	9540.8	9649.2
37.5°	6640.9	6573.8	6460.3	6161.0	6063.0	6192.0	6558.4	7734.8	8080.6	10134.2	10423.2
40°	7461.4	7507.8	7492.3	7058.9	6868.0	7007.3	7332.4	8307.6	8575.9	10516.1	11047.5
42.5°	8266.3	8292.1	8225.0	8018.6	7740.0	7750.3	8018.6	8741.0	9014.5	10882.4	11635.8
45°	8870.0	8864.9	8818.4	8766.8	8601.7	8431.4	8477.9	9220.9	9458.3	11001.1	11955.7
47.5°	9061.0	9102.2	9143.5	9288.0	9401.5	9133.2	8895.8	9478.9	9695.6	10980.5	12074.4
50°	8885.5	8973.2	9174.5	9391.2	9778.2	9757.5	9246.7	9757.5	9969.1	11094.0	12213.7
52.5°	8493.4	8581.1	8849.4	9241.5	9824.6	10113.6	9896.9	10227.1	10474.8	11382.9	12502.7
55°	7580.0	7616.2	8168.3	8684.3	9592.4	9958.8	10593.5	11021.7	11228.1	11733.8	12884.5
57.5°	6171.4	6259.1	6800.9	7642.0	8942.3	9551.1	10990.8	12378.8	12373.7	12069.2	12967.1
60°	*4060.9*	*4318.9*	*5201.3*	*6130.1*	*7683.2*	*8751.4*	*10965.0*	*13968.1*	*14128.1*	*11739.0*	*11971.2*
62.5°	3101.2	3209.5	3710.0	4484.0	5686.3	7255.0	10794.7	14442.8	14566.7	10851.5	10479.9
65°	2332.3	2466.5	2946.4	3637.8	4014.5	4917.5	9680.1	12554.3	12724.5	9685.3	8147.6
67.5°	1429.3	1537.7	2177.5	2987.6	3039.2	3054.7	6532.6	9509.9	9571.8	7812.2	5485.1
70°	954.6	1063.0	1506.7	2296.2	2420.0	1759.6	3586.2	7198.2	7193.0	5345.8	3333.4
72.5°	552.1	603.7	954.6	1692.5	1904.0	1119.7	1790.5	4576.9	4375.7	2512.9	1558.3
75°	314.8	350.9	526.3	1088.8	1336.4	712.1	706.9	2451.0	2167.2	1295.2	851.4
77.5°	190.9	206.4	289.0	712.1	805.0	479.9	392.2	1140.4	1099.1	758.5	448.9
80°	92.9	108.4	175.4	418.0	516.0	258.0	237.4	448.9	479.9	418.0	237.4
82.5°	31.0	41.3	98.0	160.0	335.4	103.2	98.0	247.7	263.2	247.7	113.5
85°	15.5	20.6	46.4	51.6	129.0	51.6	36.1	108.4	134.2	82.6	46.4
87.5°	0.0	5.2	5.2	5.2	5.2	5.2	5.2	10.3	10.3	10.3	10.3
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°	3157.9	3157.9	3157.9	3157.9	3157.9	3157.9	3157.9	3157.9	3157.9	3157.9	3157.9
2.5°	3168.2	3157.9	3137.3	3101.2	3096.0	3070.2	3028.9	3003.1	2982.5	2998.0	3003.1
5°	3225.0	3199.2	3137.3	3039.2	2936.0	2832.8	2734.8	2621.3	2543.9	2533.6	2512.9
7.5°	3328.2	3276.6	3142.4	2951.5	2688.4	2440.7	2151.7	1873.1	1733.8	1713.1	1666.7
10°	3493.3	3405.6	3183.7	2796.7	2291.0	1775.0	1336.4	1037.2	866.9	835.9	846.2
12.5°	3689.4	3565.6	3188.9	2533.6	1744.1	1099.1	758.5	645.0	608.9	593.4	593.4
15°	3942.2	3761.6	3183.7	2193.0	1176.5	706.9	608.9	562.4	547.0	536.6	536.6
17.5°	4262.2	4024.8	3147.6	1682.2	794.6	614.0	557.3	521.2	500.5	495.4	495.4
20°	4638.8	4318.9	3065.0	1253.9	665.6	572.8	526.3	479.9	464.4	454.1	454.1
22.5°	5118.7	4675.0	2905.1	975.2	629.5	547.0	495.4	443.8	428.3	418.0	418.0
25°	5676.0	5129.0	2693.5	877.2	624.4	526.3	464.4	412.8	397.3	392.2	387.0
27.5°	6336.5	5614.1	2497.4	882.4	634.7	510.8	433.4	387.0	371.5	356.0	361.2
30°	7115.6	6114.6	2337.5	944.3	645.0	495.4	412.8	371.5	356.0	335.4	335.4
32.5°	7884.5	6702.8	2322.0	1057.8	681.1	485.0	392.2	350.9	335.4	319.9	319.9
35°	8674.0	7239.5	2409.7	1207.4	753.4	469.6	366.4	330.2	314.8	304.4	299.3
37.5°	9427.3	7667.8	2492.3	1300.3	712.1	402.5	335.4	304.4	289.0	268.3	268.3
40°	9927.8	7900.0	2507.8	1228.1	588.2	361.2	304.4	273.5	252.8	242.5	237.4
42.5°	10294.2	8049.6	2332.3	995.9	510.8	330.2	278.6	247.7	232.2	221.9	221.9
45°	10443.8	7998.0	2033.0	758.5	469.6	304.4	252.8	227.0	216.7	206.4	206.4
47.5°	10423.2	7760.6	1728.6	608.9	428.3	278.6	237.4	216.7	206.4	196.1	190.9
50°	10387.1	7538.8	1419.0	541.8	381.8	263.2	221.9	206.4	190.9	180.6	175.4
52.5°	10624.4	7466.5	1176.5	495.4	356.0	252.8	216.7	196.1	180.6	170.3	170.3
55°	10861.8	7497.5	923.6	464.4	330.2	247.7	211.6	190.9	175.4	160.0	160.0
57.5°	10846.3	7363.3	701.8	433.4	309.6	242.5	206.4	185.8	160.0	149.6	149.6
60°	*9860.7*	*6568.7*	*547.0*	*397.3*	*283.8*	*227.0*	*190.9*	*175.4*	*149.6*	*134.2*	*134.2*
62.5°	8338.6	5165.2	448.9	350.9	252.8	206.4	175.4	160.0	134.2	108.4	108.4
65°	6161.0	3725.5	361.2	304.4	232.2	180.6	160.0	139.3	108.4	87.7	82.6
67.5°	4169.3	2291.0	289.0	252.8	206.4	154.8	134.2	118.7	98.0	72.2	67.1
70°	2471.6	1217.8	211.6	175.4	154.8	113.5	113.5	103.2	82.6	61.9	56.8
72.5°	1176.5	423.1	154.8	129.0	118.7	82.6	87.7	87.7	67.1	46.4	41.3
75°	598.6	206.4	103.2	92.9	77.4	61.9	72.2	67.1	46.4	31.0	31.0
77.5°	340.6	144.5	72.2	61.9	51.6	41.3	46.4	41.3	25.8	15.5	15.5
80°	190.9	103.2	46.4	41.3	31.0	25.8	25.8	20.6	15.5	5.2	5.2
82.5°	72.2	61.9	31.0	20.6	15.5	15.5	10.3	10.3	5.2	0.0	0.0
85°	31.0	15.5	15.5	10.3	10.3	5.2	5.2	5.2	0.0	0.0	0.0
87.5°	5.2	5.2	5.2	5.2	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°	3157.9	3157.9	3157.9	3157.9	3157.9	3157.9	3157.9	3157.9	3157.9	3157.9	3157.9
2.5°	2961.8	2972.2	2982.5	3023.8	3034.1	3065.0	3090.8	3121.8	3127.0	3168.2	3168.2
5°	2554.2	2549.0	2636.8	2765.8	2848.3	2961.8	3049.6	3142.4	3194.0	3261.1	3292.1
7.5°	1692.5	1821.5	2017.6	2244.6	2538.7	2812.2	3018.6	3199.2	3323.0	3400.4	3431.4
10°	841.1	913.3	1119.7	1491.2	1991.8	2549.0	2987.6	3323.0	3524.3	3612.0	3668.8
12.5°	593.4	608.9	645.0	846.2	1326.1	2115.6	2889.6	3457.2	3735.8	3901.0	3973.2
15°	531.5	541.8	557.3	614.0	820.4	1579.0	2714.2	3606.8	4066.1	4257.0	4349.9
17.5°	490.2	495.4	510.8	557.3	645.0	1073.3	2430.4	3766.8	4463.4	4695.6	4871.0
20°	454.1	454.1	469.6	526.3	598.6	825.6	2022.7	3947.4	4969.1	5304.5	5479.9
22.5°	412.8	423.1	433.4	495.4	583.1	753.4	1640.9	4086.7	5531.5	5939.2	6145.6
25°	381.8	392.2	402.5	464.4	567.6	753.4	1419.0	4174.4	6161.0	6646.1	6929.9
27.5°	356.0	366.4	381.8	443.8	552.1	784.3	1331.3	4200.2	6847.3	7476.8	7858.7
30°	335.4	345.7	361.2	428.3	562.4	820.4	1362.2	4164.1	7543.9	8333.4	8787.5
32.5°	314.8	325.1	340.6	412.8	562.4	866.9	1465.4	4091.9	8219.9	9190.0	9747.2
35°	299.3	304.4	309.6	371.5	510.8	861.7	1594.4	4019.6	8901.0	10036.2	10686.3
37.5°	268.3	273.5	283.8	319.9	407.6	784.3	1620.2	3931.9	9437.6	10748.3	11465.5
40°	237.4	247.7	258.0	294.1	340.6	634.7	1506.7	3746.2	9721.4	11295.2	12167.3
42.5°	216.7	221.9	232.2	268.3	314.8	505.7	1264.2	3421.1	9974.3	11666.7	12678.1
45°	201.2	206.4	216.7	242.5	294.1	438.6	995.9	3023.8	9994.9	11785.4	12925.8
47.5°	185.8	190.9	196.1	221.9	283.8	392.2	763.7	2662.6	9989.7	11940.2	13137.3
50°	175.4	180.6	190.9	211.6	268.3	350.9	629.5	2368.4	10206.5	12275.6	13565.6
52.5°	170.3	170.3	185.8	206.4	252.8	319.9	526.3	2105.3	10320.0	12605.9	13875.2
55°	160.0	165.1	175.4	196.1	237.4	304.4	448.9	1775.0	10371.6	12771.0	13932.0
57.5°	149.6	154.8	170.3	185.8	227.0	289.0	387.0	1326.1	9633.7	11909.3	12982.5
60°	*134.2*	*144.5*	*165.1*	*180.6*	*211.6*	*263.2*	*340.6*	*897.8*	*8127.0*	*10350.9*	*11248.8*
62.5°	108.4	129.0	149.6	160.0	190.9	221.9	289.0	598.6	6491.3	8565.6	9587.3
65°	82.6	108.4	123.8	139.3	160.0	185.8	242.5	407.6	4329.2	5763.7	6914.4
67.5°	72.2	92.9	103.2	113.5	134.2	160.0	196.1	283.8	2626.4	3462.4	4597.6
70°	56.8	77.4	87.7	82.6	103.2	123.8	139.3	190.9	1341.6	1878.2	2616.1
72.5°	41.3	61.9	67.1	67.1	61.9	87.7	103.2	134.2	583.1	913.3	1186.8
75°	31.0	41.3	46.4	41.3	36.1	56.8	72.2	87.7	381.8	547.0	691.4
77.5°	15.5	15.5	25.8	25.8	15.5	31.0	36.1	51.6	216.7	319.9	397.3
80°	5.2	0.0	0.0	5.2	0.0	10.3	15.5	25.8	113.5	170.3	247.7
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.2	56.8	51.6	129.0
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10.3	31.0
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: P1501897
CATALOG NUMBER: GSS-SB6A-827-U-T2LG-HSS

CANDELA DISTRIBUTION (continued):

	285°	293°	295°	305°	315°	325°	335°	345°	355°	360°
0°	3157.9	3157.9	3157.9	3157.9	3157.9	3157.9	3157.9	3157.9	3157.9	3157.9
2.5°	3194.0	3194.0	3214.7	3245.6	3261.1	3271.4	3276.6	3286.9	3328.2	3317.9
5°	3328.2	3338.5	3354.0	3385.0	3421.1	3410.8	3410.8	3410.8	3436.6	3415.9
7.5°	3503.6	3534.6	3539.8	3575.9	3550.1	3498.5	3467.5	3421.1	3415.9	3415.9
10°	3787.4	3777.1	3777.1	3730.7	3637.8	3488.2	3354.0	3261.1	3209.5	3214.7
12.5°	4091.9	4050.6	4055.8	3885.5	3622.3	3292.1	3018.6	2817.4	2801.9	2786.4
15°	4468.6	4360.2	4339.6	3947.4	3390.1	2884.4	2616.1	2456.2	2404.6	2389.1
17.5°	5005.2	4731.7	4633.7	3839.0	3085.7	2631.6	2430.4	2358.1	2353.0	2347.8
20°	5572.8	5031.0	4845.2	3679.1	2982.5	2636.8	2487.1	2466.5	2456.2	2461.3
22.5°	6233.3	5221.9	4984.6	3704.9	3075.4	2807.0	2688.4	2672.9	2662.6	2672.9
25°	6914.4	5443.8	5149.7	3911.3	3354.0	3121.8	2982.5	2951.5	2982.5	3028.9
27.5°	7600.7	5743.1	5474.8	4318.9	3802.9	3550.1	3415.9	3529.4	3575.9	3581.0
30°	8209.6	6161.0	5913.4	4891.7	4313.8	4060.9	4086.7	4231.2	4288.0	4344.7
32.5°	8766.8	6718.3	6527.4	5541.8	4974.2	4824.6	4809.1	4917.5	4979.4	4943.3
35°	9329.3	7445.9	7260.1	6248.8	5784.4	5660.5	5531.5	5743.1	5722.4	5665.7
37.5°	9860.7	8178.6	8008.3	7007.3	6527.4	6310.7	6290.0	6481.0	6651.2	6640.9
40°	10242.6	8772.0	8565.6	7760.6	7306.6	7120.8	7229.2	7559.4	7518.1	7461.4
42.5°	10593.5	9277.7	9091.9	8421.1	7946.4	8029.0	8127.0	8348.9	8323.1	8266.3
45°	10758.6	9711.1	9551.1	8921.6	8689.4	8952.6	8947.4	9030.0	8890.7	8870.0
47.5°	10990.8	10020.7	9855.6	9370.5	9576.9	9685.3	9380.9	9293.1	9164.2	9061.0
50°	11419.1	10500.6	10335.5	10051.7	10227.1	9891.7	9520.2	9329.3	9066.1	8885.5
52.5°	11919.6	11228.1	11083.7	10970.1	10479.9	9788.5	9313.8	8968.1	8648.2	8493.4
55°	12549.1	12301.4	12198.2	11573.9	10252.9	9365.4	8808.1	8163.1	7724.5	7580.0
57.5°	12755.5	13875.2	13839.1	11671.9	9618.2	8596.6	7590.4	6718.3	6264.2	6171.4
60°	12146.6	15108.5	14979.5	11506.8	8467.6	6976.3	5799.8	4907.2	4169.3	4060.9
62.5°	11367.5	14164.2	14117.7	10676.0	6450.0	5000.0	4334.4	3498.5	3183.7	3101.2
65°	9736.9	11589.3	11610.0	8565.6	4081.6	3591.4	3560.4	2781.2	2394.2	2332.3
67.5°	7497.5	8890.7	8746.2	5387.0	2378.8	2874.1	2843.2	2033.0	1470.6	1429.3
70°	4380.8	6620.3	6388.1	2801.9	1573.8	2399.4	2187.8	1429.3	1001.0	954.6
72.5°	1935.0	3643.0	3911.3	1233.2	1109.4	1909.2	1579.0	877.2	562.4	552.1
75°	1073.3	1806.0	1888.6	536.6	779.2	1357.1	954.6	490.2	319.9	314.8
77.5°	645.0	799.8	779.2	345.7	583.1	866.9	577.9	278.6	201.2	190.9
80°	361.2	366.4	309.6	252.8	345.7	485.0	325.1	175.4	92.9	92.9
82.5°	221.9	201.2	160.0	77.4	92.9	294.1	118.7	98.0	31.0	31.0
85°	92.9	61.9	41.3	15.5	36.1	77.4	41.3	46.4	15.5	15.5
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: SP1-2407-184-8

Test Date: 10/10/2024

Luminaire Tested: GSS-SB1A-827-U-5WQ

Data in this report applies to families of products including GSS-SB1A-827-U-5WQ

Report Generated By FNC07603 / LDUCLS01DT446
Version: v7.04

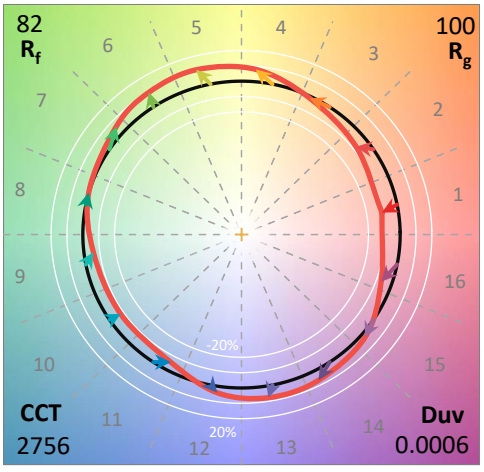
Test Information

Test Method:	LM-79-2019
Report Number:	SP1-2407-184-8
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-827-U-5WQ**
Description:	GALLEON II SITE SLIM 1SQ 350MA 5WQ HIGH DENSITY LIGHTSQUARE WITH 80 CRI 2700K CCT 26 LEDS

Spectral Parameters

CCT (K):	2756
CIE u':	0.2599
CIE v':	0.5271
Duv:	0.0006
CIE x:	0.4563
CIE y:	0.4112
CIE z:	0.1325
Peak Wavelength (nm):	609
Dominant Wavelength (nm):	583
Purity:	60.41121
Rf:	82.2
Rg:	99.9

CRI (Ra):	82.9
R1:	81.6
R2:	88.8
R3:	96.0
R4:	83.4
R5:	81.4
R6:	87.0
R7:	84.0
R8:	60.8
R9:	10.8
R10:	74.8
R11:	84.3
R12:	72.1
R13:	82.9
R14:	97.3
R15:	73.7



Test Conditions

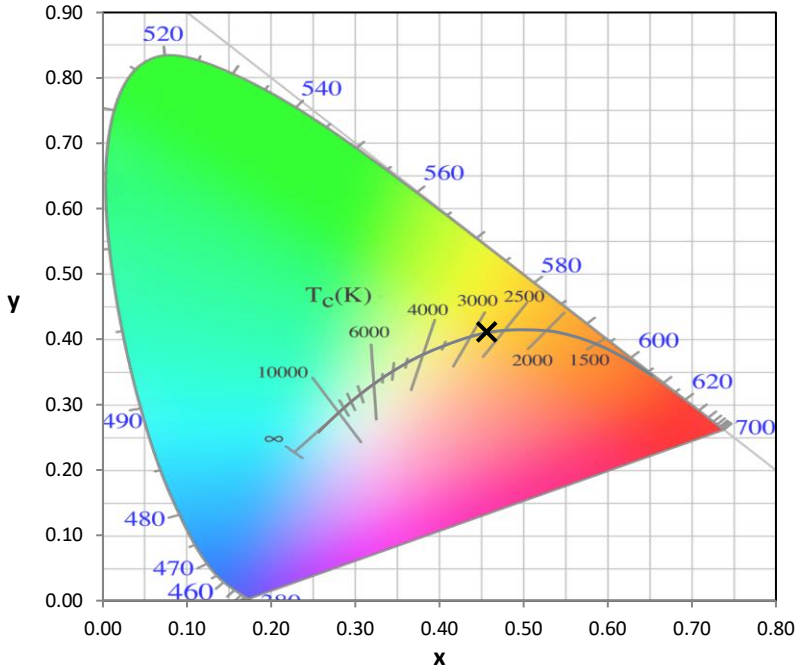
Stabilization Time:	29M
Operation Time:	1H 29M
Sphere Temperature (°C):	25.2

REPORT NUMBER: SP1-2407-184-8

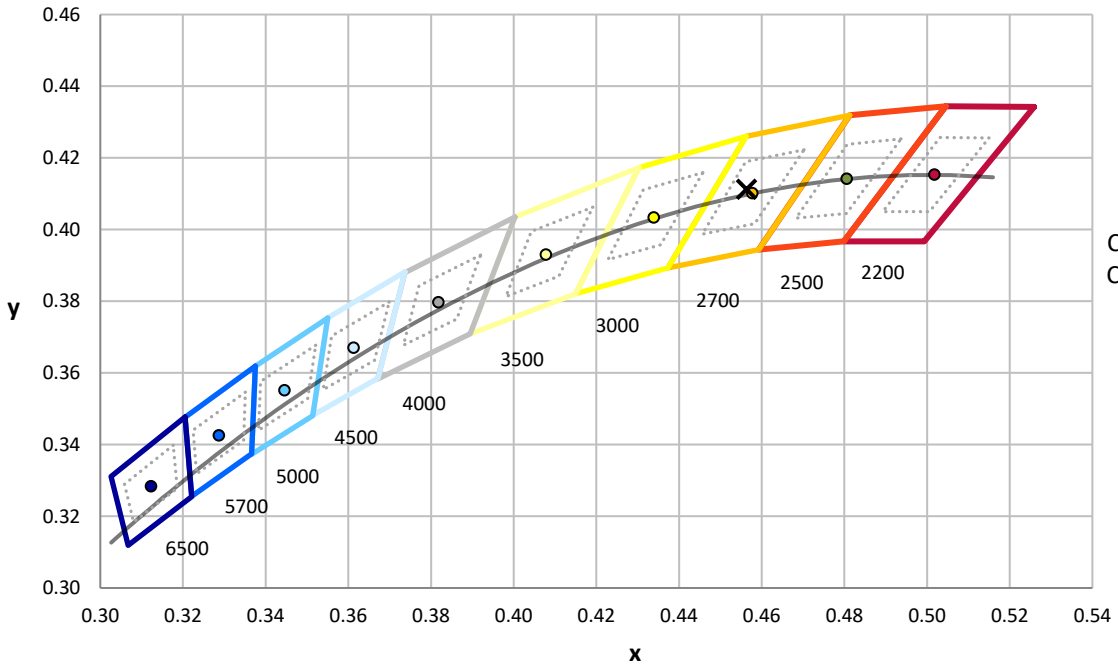
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

REPORT NUMBER: SP1-2407-184-8

CIE 1931 Chromaticity Diagram



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

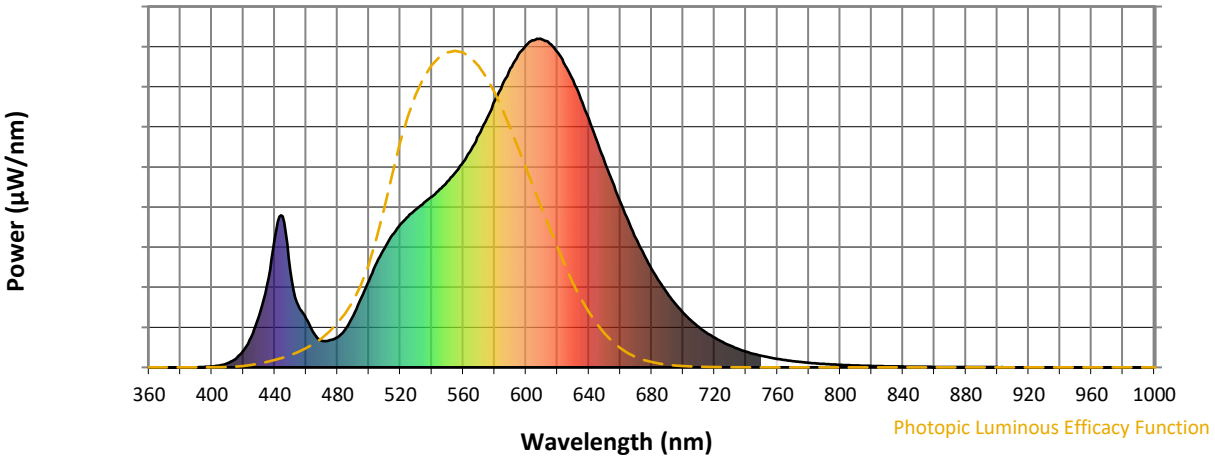


CCT = 2756K
CIE x = 0.4563
CIE y = 0.4112
Duv = 0.0006

Point lies inside the ANSI 2700K 4-step quadrangle

REPORT NUMBER: SP1-2407-184-8

Photopic Flux vs. Wavelength

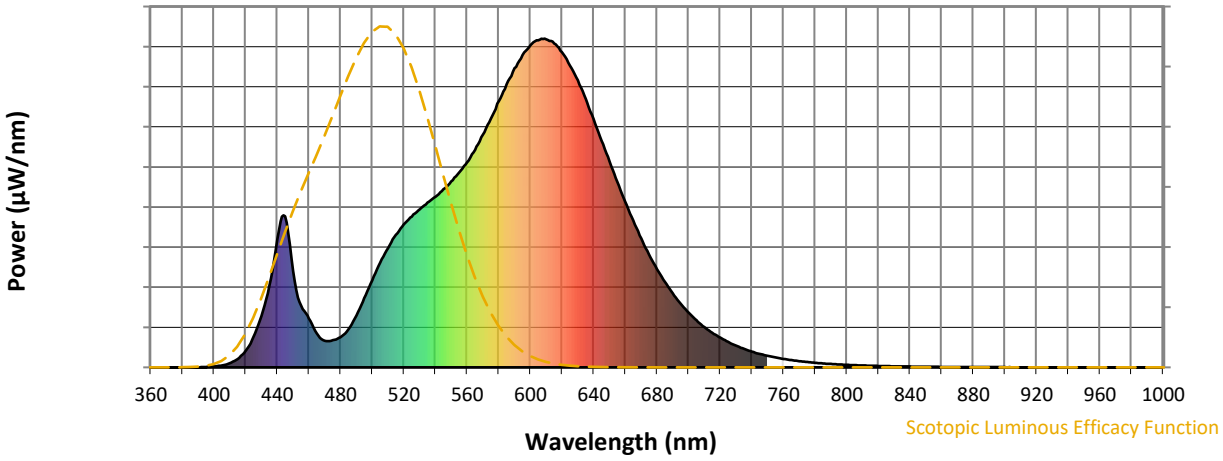


Photopic Lumens: NR

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	158	NR	620	959	NR	750	35	NR	880	1	NR
365	0	NR	495	211	NR	625	918	NR	755	30	NR	885	1	NR
370	0	NR	500	264	NR	630	873	NR	760	26	NR	890	1	NR
375	0	NR	505	318	NR	635	816	NR	765	22	NR	895	1	NR
380	0	NR	510	363	NR	640	755	NR	770	19	NR	900	1	NR
385	0	NR	515	403	NR	645	689	NR	775	16	NR	905	1	NR
390	0	NR	520	435	NR	650	626	NR	780	14	NR	910	0	NR
395	1	NR	525	459	NR	655	564	NR	785	12	NR	915	0	NR
400	3	NR	530	481	NR	660	503	NR	790	10	NR	920	0	NR
405	6	NR	535	501	NR	665	447	NR	795	9	NR	925	0	NR
410	13	NR	540	519	NR	670	392	NR	800	8	NR	930	0	NR
415	26	NR	545	542	NR	675	343	NR	805	7	NR	935	0	NR
420	51	NR	550	565	NR	680	299	NR	810	6	NR	940	0	NR
425	93	NR	555	593	NR	685	260	NR	815	5	NR	945	0	NR
430	156	NR	560	624	NR	690	225	NR	820	4	NR	950	0	NR
435	250	NR	565	662	NR	695	194	NR	825	4	NR	955	0	NR
440	391	NR	570	707	NR	700	166	NR	830	3	NR	960	0	NR
445	460	NR	575	756	NR	705	143	NR	835	3	NR	965	0	NR
450	293	NR	580	810	NR	710	122	NR	840	2	NR	970	0	NR
455	188	NR	585	860	NR	715	105	NR	845	2	NR	975	0	NR
460	149	NR	590	910	NR	720	90	NR	850	2	NR	980	0	NR
465	103	NR	595	950	NR	725	77	NR	855	2	NR	985	0	NR
470	80	NR	600	980	NR	730	66	NR	860	1	NR	990	0	NR
475	82	NR	605	995	NR	735	56	NR	865	1	NR	995	0	NR
480	92	NR	610	998	NR	740	48	NR	870	1	NR	1000	0	NR
485	116	NR	615	985	NR	745	41	NR	875	1	NR			

REPORT NUMBER: SP1-2407-184-8

Scotopic Flux vs. Wavelength

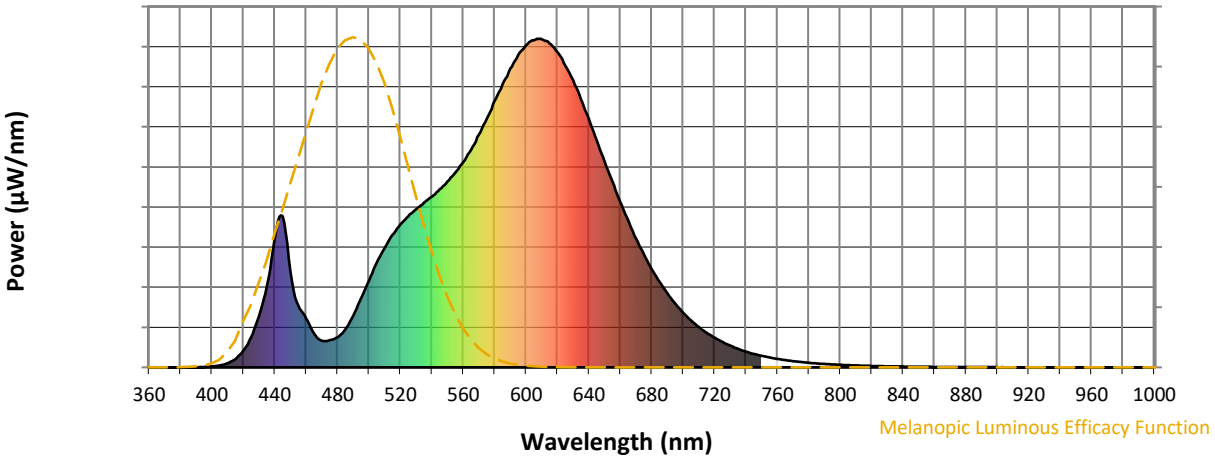


Scotopic Lumens: NR **S/P: 1.2**

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	158	NR	620	959	NR	750	35	NR	880	1	NR
365	0	NR	495	211	NR	625	918	NR	755	30	NR	885	1	NR
370	0	NR	500	264	NR	630	873	NR	760	26	NR	890	1	NR
375	0	NR	505	318	NR	635	816	NR	765	22	NR	895	1	NR
380	0	NR	510	363	NR	640	755	NR	770	19	NR	900	1	NR
385	0	NR	515	403	NR	645	689	NR	775	16	NR	905	1	NR
390	0	NR	520	435	NR	650	626	NR	780	14	NR	910	0	NR
395	1	NR	525	459	NR	655	564	NR	785	12	NR	915	0	NR
400	3	NR	530	481	NR	660	503	NR	790	10	NR	920	0	NR
405	6	NR	535	501	NR	665	447	NR	795	9	NR	925	0	NR
410	13	NR	540	519	NR	670	392	NR	800	8	NR	930	0	NR
415	26	NR	545	542	NR	675	343	NR	805	7	NR	935	0	NR
420	51	NR	550	565	NR	680	299	NR	810	6	NR	940	0	NR
425	93	NR	555	593	NR	685	260	NR	815	5	NR	945	0	NR
430	156	NR	560	624	NR	690	225	NR	820	4	NR	950	0	NR
435	250	NR	565	662	NR	695	194	NR	825	4	NR	955	0	NR
440	391	NR	570	707	NR	700	166	NR	830	3	NR	960	0	NR
445	460	NR	575	756	NR	705	143	NR	835	3	NR	965	0	NR
450	293	NR	580	810	NR	710	122	NR	840	2	NR	970	0	NR
455	188	NR	585	860	NR	715	105	NR	845	2	NR	975	0	NR
460	149	NR	590	910	NR	720	90	NR	850	2	NR	980	0	NR
465	103	NR	595	950	NR	725	77	NR	855	2	NR	985	0	NR
470	80	NR	600	980	NR	730	66	NR	860	1	NR	990	0	NR
475	82	NR	605	995	NR	735	56	NR	865	1	NR	995	0	NR
480	92	NR	610	998	NR	740	48	NR	870	1	NR	1000	0	NR
485	116	NR	615	985	NR	745	41	NR	875	1	NR			

REPORT NUMBER: SP1-2407-184-8

Melanopic Flux vs. Wavelength



Melanopic Lumens: NR **M/P: 2.16**

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	158	NR	620	959	NR	750	35	NR	880	1	NR
365	0	NR	495	211	NR	625	918	NR	755	30	NR	885	1	NR
370	0	NR	500	264	NR	630	873	NR	760	26	NR	890	1	NR
375	0	NR	505	318	NR	635	816	NR	765	22	NR	895	1	NR
380	0	NR	510	363	NR	640	755	NR	770	19	NR	900	1	NR
385	0	NR	515	403	NR	645	689	NR	775	16	NR	905	1	NR
390	0	NR	520	435	NR	650	626	NR	780	14	NR	910	0	NR
395	1	NR	525	459	NR	655	564	NR	785	12	NR	915	0	NR
400	3	NR	530	481	NR	660	503	NR	790	10	NR	920	0	NR
405	6	NR	535	501	NR	665	447	NR	795	9	NR	925	0	NR
410	13	NR	540	519	NR	670	392	NR	800	8	NR	930	0	NR
415	26	NR	545	542	NR	675	343	NR	805	7	NR	935	0	NR
420	51	NR	550	565	NR	680	299	NR	810	6	NR	940	0	NR
425	93	NR	555	593	NR	685	260	NR	815	5	NR	945	0	NR
430	156	NR	560	624	NR	690	225	NR	820	4	NR	950	0	NR
435	250	NR	565	662	NR	695	194	NR	825	4	NR	955	0	NR
440	391	NR	570	707	NR	700	166	NR	830	3	NR	960	0	NR
445	460	NR	575	756	NR	705	143	NR	835	3	NR	965	0	NR
450	293	NR	580	810	NR	710	122	NR	840	2	NR	970	0	NR
455	188	NR	585	860	NR	715	105	NR	845	2	NR	975	0	NR
460	149	NR	590	910	NR	720	90	NR	850	2	NR	980	0	NR
465	103	NR	595	950	NR	725	77	NR	855	2	NR	985	0	NR
470	80	NR	600	980	NR	730	66	NR	860	1	NR	990	0	NR
475	82	NR	605	995	NR	735	56	NR	865	1	NR	995	0	NR
480	92	NR	610	998	NR	740	48	NR	870	1	NR	1000	0	NR
485	116	NR	615	985	NR	745	41	NR	875	1	NR			

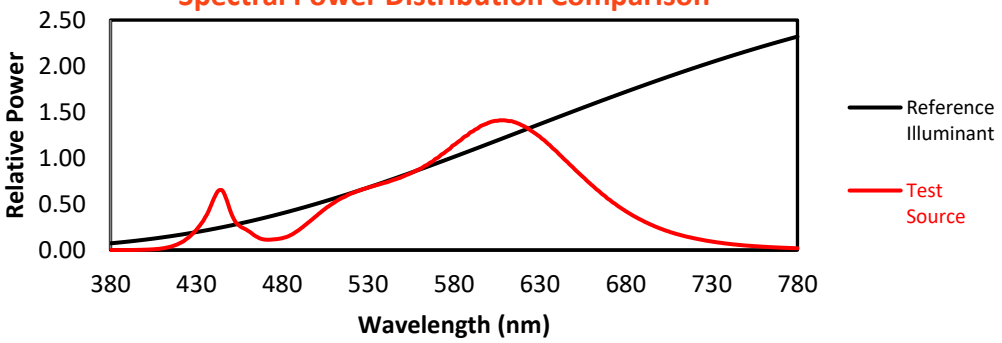
REPORT NUMBER: SP1-2407-184-8

TM-30-18

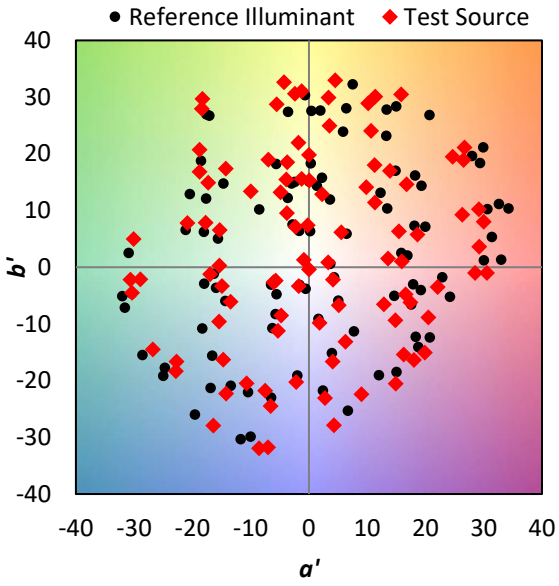
Summary

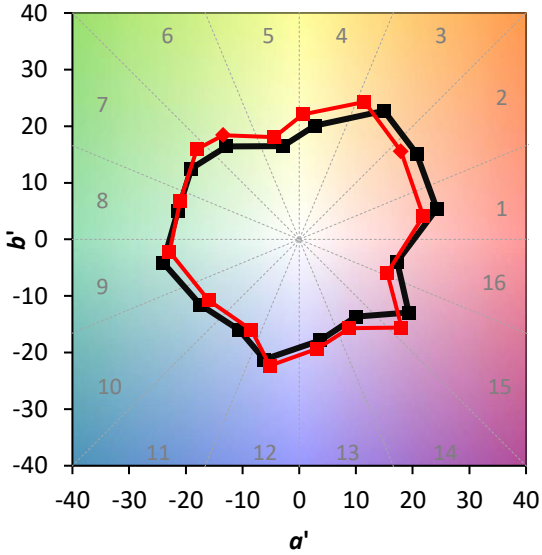
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R_g = 99.9
CIE R_a = 82.9
R_9 = 10.8

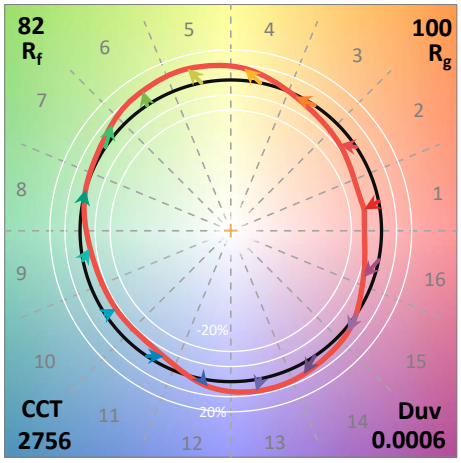
Spectral Power Distribution Comparison

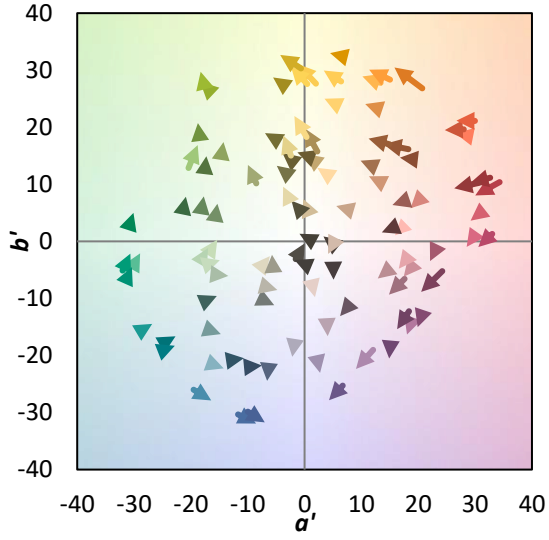


Color Vector Graphics







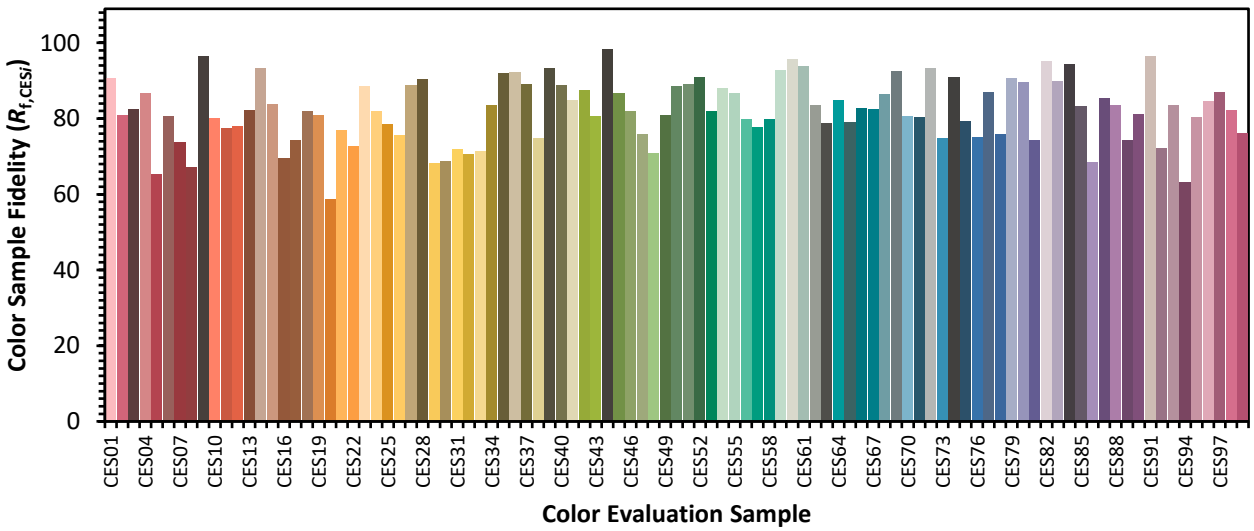


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Individual Sample Fidelity Index ($R_{f,i}$)

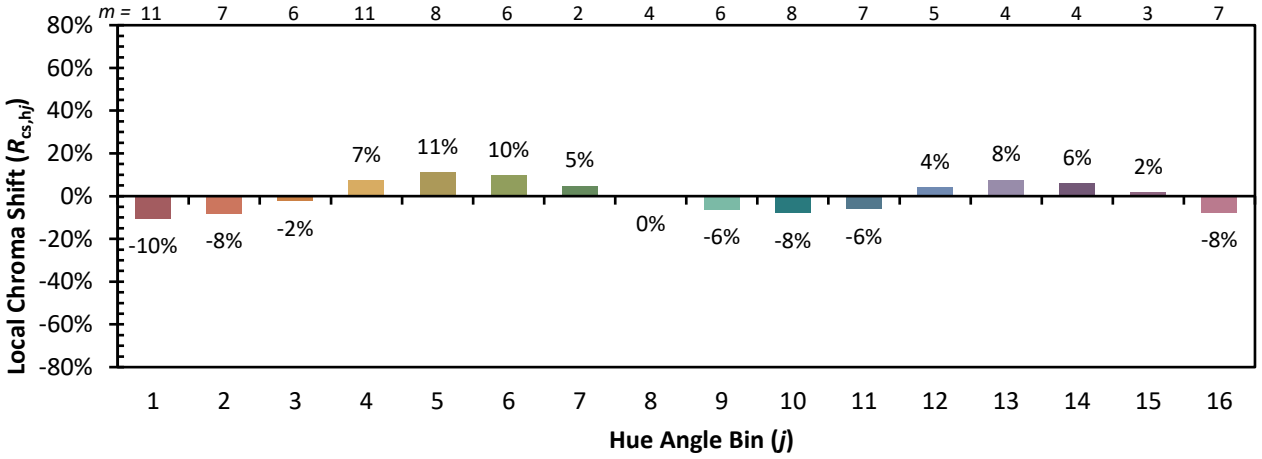
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CES02 = 63	CES27 = 89	CES52 = 91	CES77 = 87
CES03 = 31	CES28 = 90	CES53 = 82	CES78 = 76
CES04 = 71	CES29 = 68	CES54 = 88	CES79 = 91
CES05 = 50	CES30 = 69	CES55 = 87	CES80 = 90
CES06 = 52	CES31 = 72	CES56 = 80	CES81 = 74
CES07 = 43	CES32 = 71	CES57 = 78	CES82 = 95
CES08 = 42	CES33 = 71	CES58 = 80	CES83 = 90
CES09 = 29	CES34 = 84	CES59 = 93	CES84 = 94
CES10 = 77	CES35 = 92	CES60 = 96	CES85 = 83
CES11 = 59	CES36 = 92	CES61 = 94	CES86 = 69
CES12 = 66	CES37 = 89	CES62 = 84	CES87 = 85
CES13 = 44	CES38 = 75	CES63 = 79	CES88 = 84
CES14 = 74	CES39 = 93	CES64 = 85	CES89 = 74
CES15 = 72	CES40 = 89	CES65 = 79	CES90 = 81
CES16 = 48	CES41 = 85	CES66 = 83	CES91 = 96
CES17 = 50	CES42 = 88	CES67 = 82	CES92 = 72
CES18 = 57	CES43 = 81	CES68 = 86	CES93 = 84
CES19 = 73	CES44 = 98	CES69 = 92	CES94 = 63
CES20 = 67	CES45 = 87	CES70 = 81	CES95 = 80
CES21 = 87	CES46 = 82	CES71 = 81	CES96 = 85
CES22 = 79	CES47 = 76	CES72 = 93	CES97 = 87
CES23 = 92	CES48 = 71	CES73 = 75	CES98 = 82
CES24 = 91	CES49 = 81	CES74 = 91	CES99 = 76
CES25 = 72	CES50 = 88	CES75 = 79	

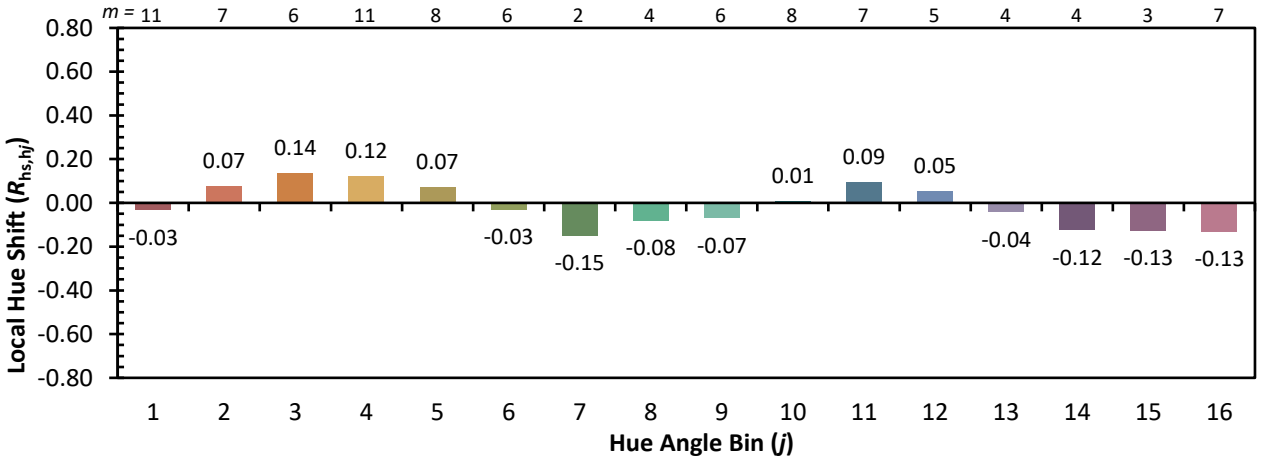


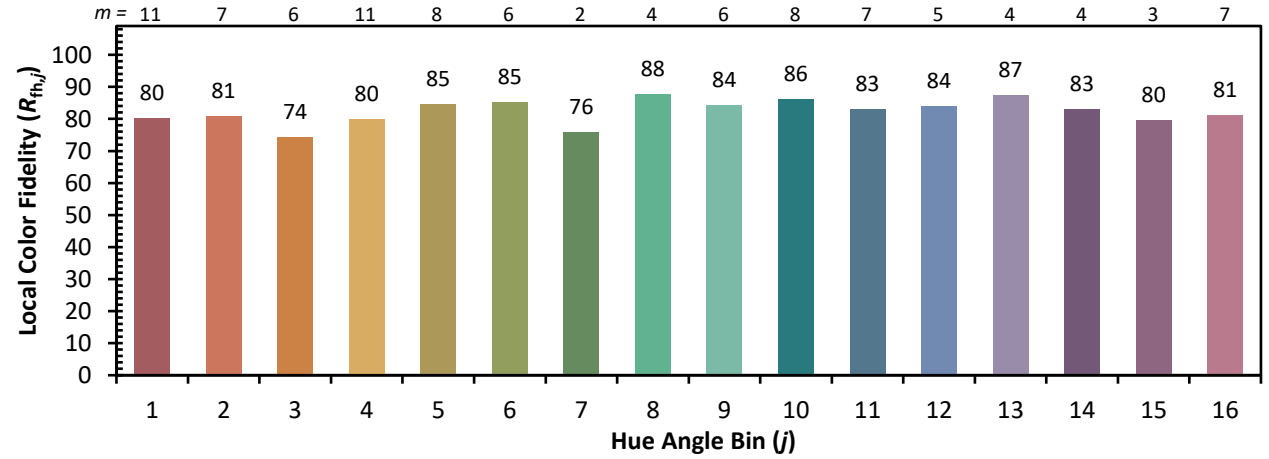
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Color Rendition by Hue-Angle Bin



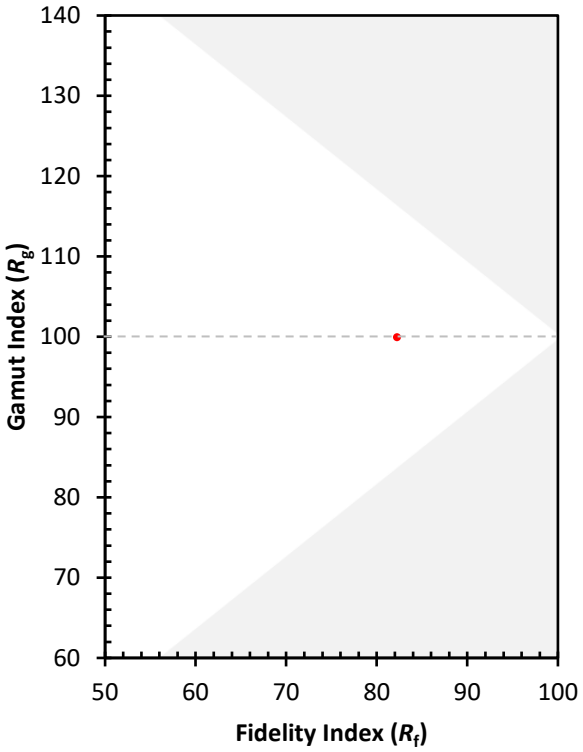


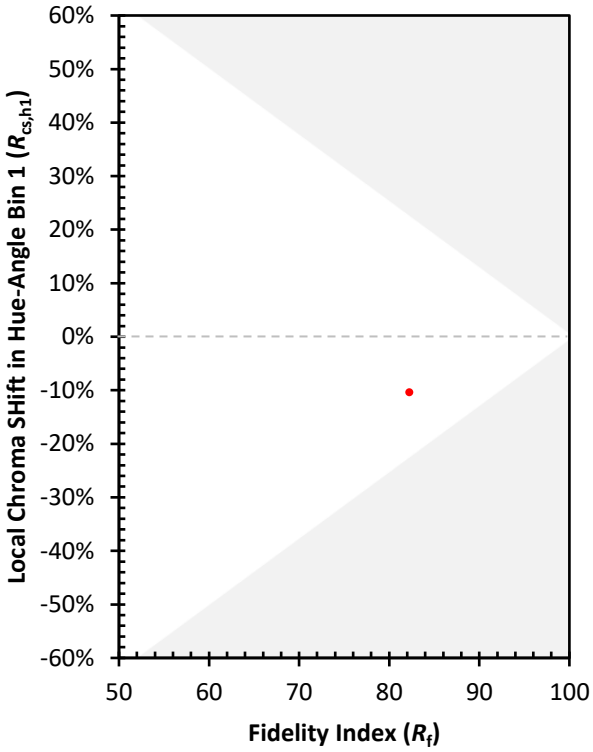


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Measure Comparisons





(END OF REPORT)