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: P1501394

Luminaire Tested: GSS-SB6B-727-U-T2LG

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:	P1501394
Test Lab:	INNOVATION CENTER(G1)
Issue Date:	7/20/2026
Manufacturer:	COOPER LIGHTING SOLUTIONS
Product Line:	McGRAW-EDISON
Catalog Number:	GSS-SB6B-727-U-T2LG
Description:	GALLEON II SLIM SITE HIGH DENSITY LED ARRAYS 6SQUARE 219W 70CRI 2700K FIXTURE w/ TYPE II LOW GLARE DISTRIBUTION FIXTURE
Light Source:	(156) 2700K CCT, 70 CRI LEDS
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	30429.4 lumens
Efficiency:	N/A
Efficacy:	138.9 lumens/watt
Luminous Opening:	Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification:	Type II - Short
BUG Rating:	B3 - U0 - G3

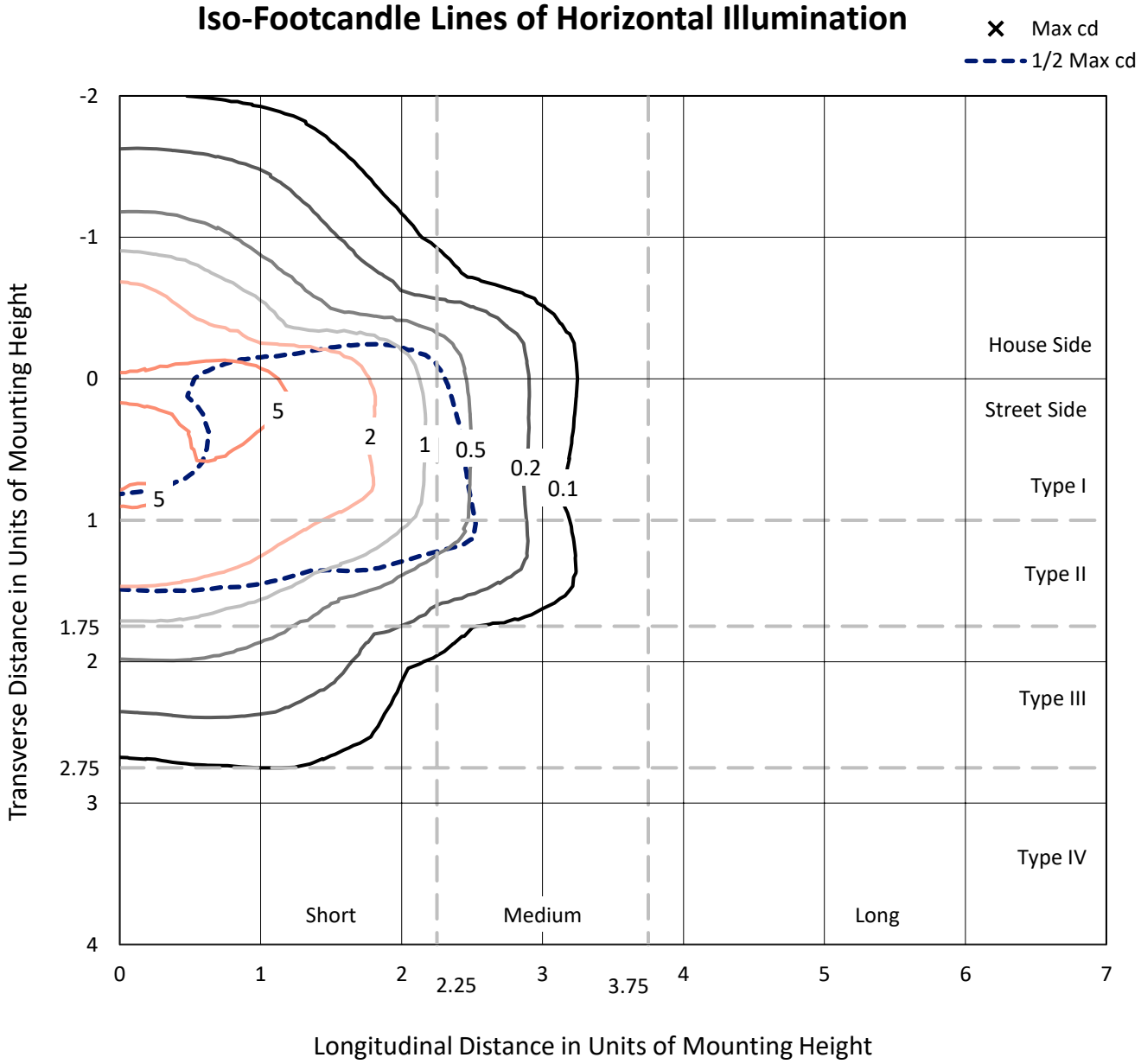
Input Watts (W):	219
Input Voltage (V):	120
Input Current (Ain):	NR
Voltage Rise (V):	NR
Power Factor:	0.98
Total Harmonic Distortion (THDi):	8.7%
Frequency (hertz):	60
Stabilization Time:	NR
Operation Time:	NR
Ambient Temperature (°C):	NR
Test Distance:	28.75 FT

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Iso-Footcandle Lines of Horizontal Illumination



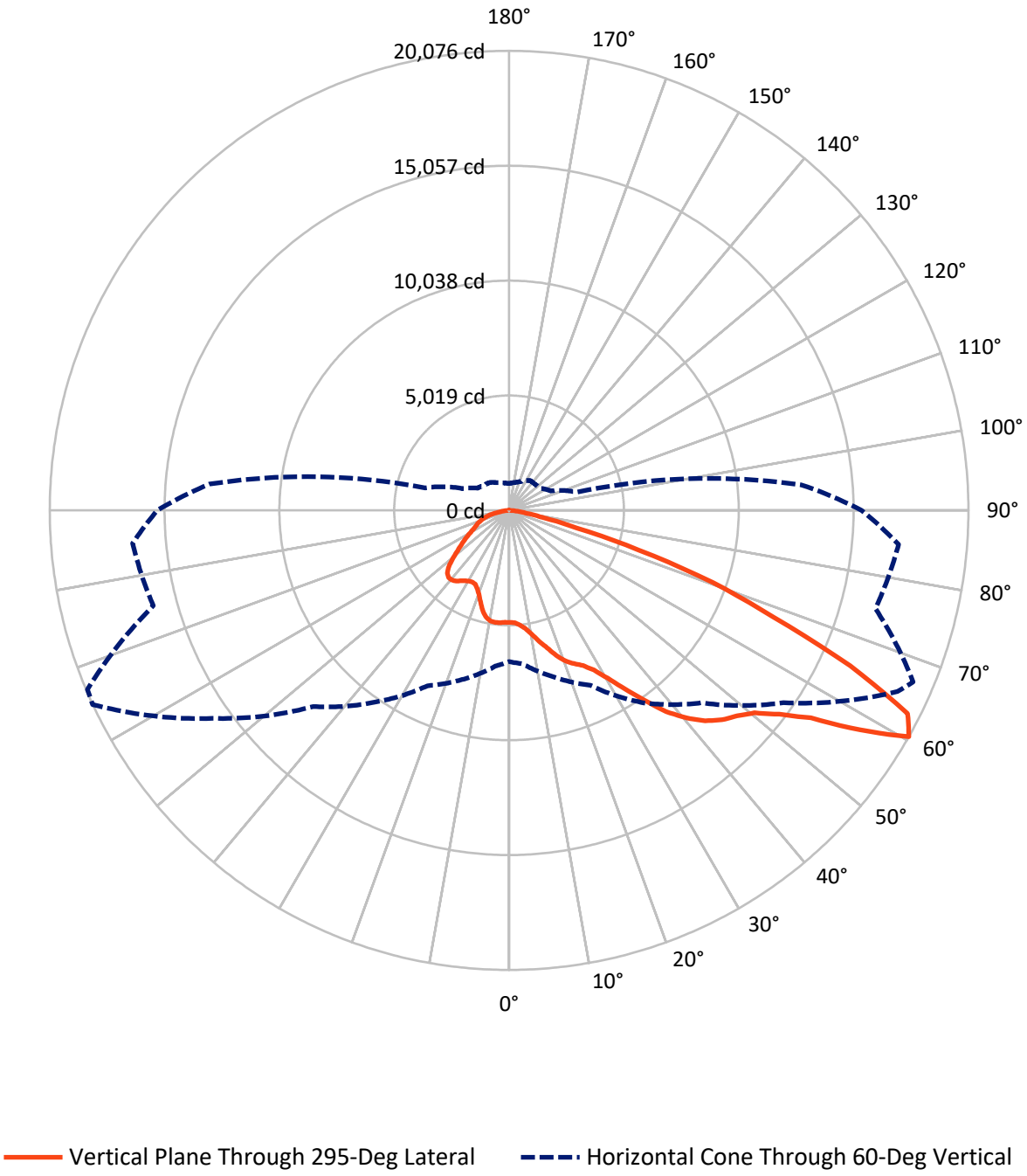
Based on 30 foot mounting height. Maximum calculated value = 8.2 fc
Type II - Short - N/A

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Luminous Intensity Polar Plot



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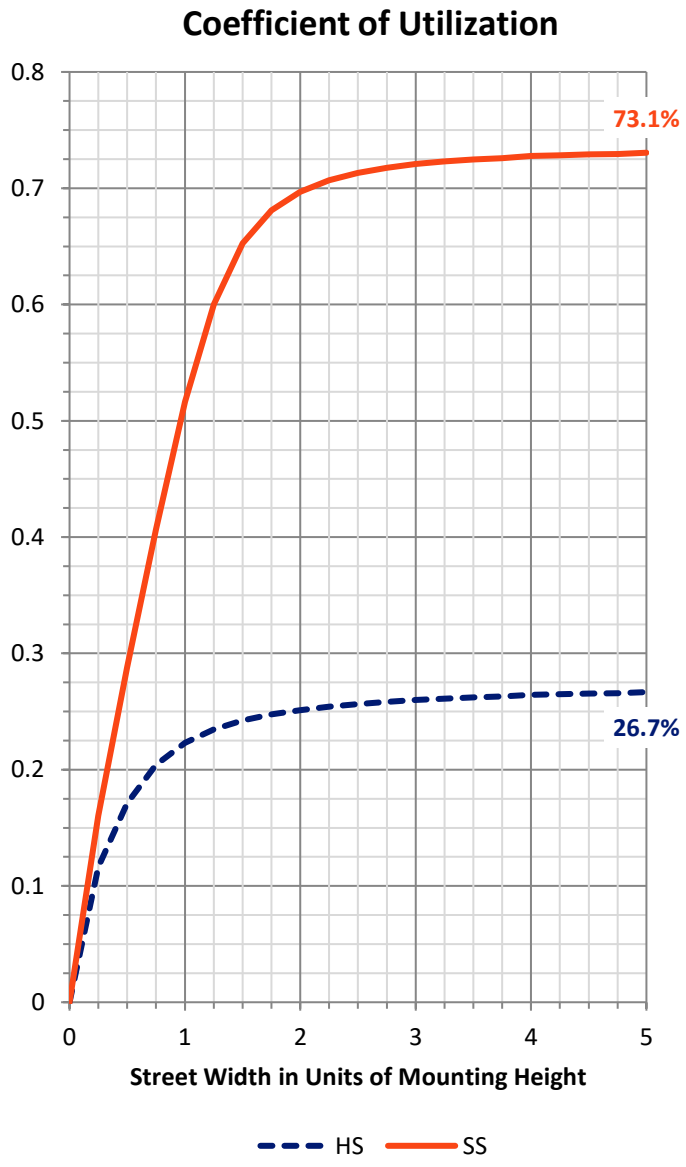
REPORT NUMBER: P1501394
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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	8182.9	0.0	8182.9
	% Fixture	26.9	0.0	26.9
Street Side	Lumens	22246.6	0.0	22246.6
	% Fixture	73.1	0.0	73.1
Total	Lumens	30429.4	0.0	30429.4
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	460.3	1.5
10°-20°	1323.3	4.3
20°-30°	2506.6	8.2
30°-40°	4419.0	14.5
40°-50°	6535.2	21.5
50°-60°	7674.1	25.2
60°-70°	5560.2	18.3
70°-80°	1714.7	5.6
80°-90°	236.0	0.8
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°	30429.4	100.0
0°-180°	30429.4	100.0



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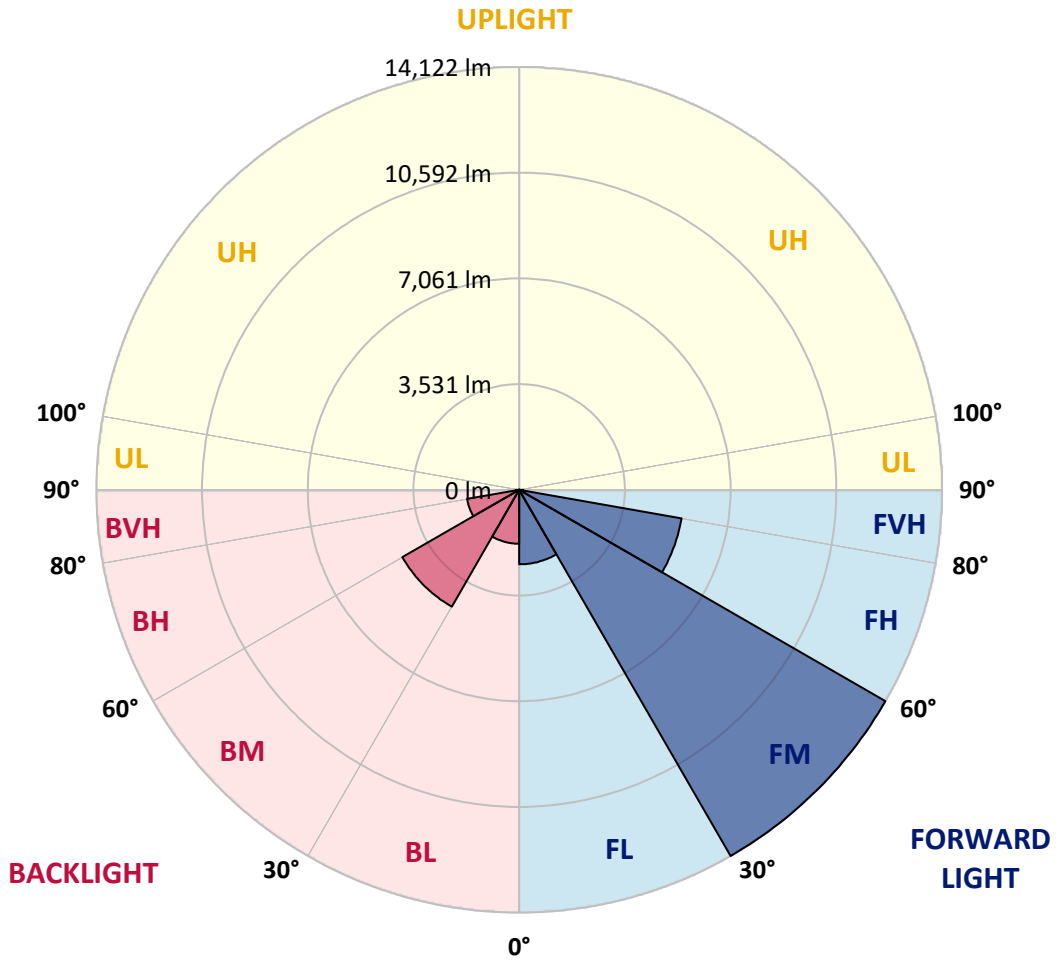
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	2488.1	8.2			
FM	(30°-60°)	14122.5	46.4			
FH	(60°-80°)	5508.7	18.1			G3/7500
FVH	(80°-90°)	127.3	0.4			G2/225
BL	(0°-30°)	1802.1	5.9	B3/2500		
BM	(30°-60°)	4505.7	14.8	B3/5000		
BH	(60°-80°)	1766.3	5.8	B3/2500		G3/2500
BVH	(80°-90°)	108.7	0.4			G2/225
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°	4896.0	4896.0	4896.0	4896.0	4896.0	4896.0	4896.0	4896.0	4896.0	4896.0	4896.0
2.5°	4993.0	5006.9	4986.1	5000.0	5000.0	4979.2	4972.2	4944.5	4958.4	4951.4	4944.5
5°	5110.9	5117.9	5104.0	5124.8	5124.8	5131.7	5124.8	5090.1	5090.1	5090.1	5076.3
7.5°	5076.3	5076.3	5083.2	5152.5	5221.9	5312.0	5312.0	5298.2	5312.0	5305.1	5242.7
10°	4785.0	4812.7	4875.2	5048.5	5215.0	5409.1	5540.9	5582.5	5582.5	5589.4	5485.4
12.5°	4264.9	4285.7	4431.3	4694.8	5041.6	5395.3	5714.3	5922.3	5943.1	5977.8	5839.1
15°	3800.3	3814.1	3918.2	4188.6	4583.9	5208.0	5811.3	6241.3	6310.7	6456.3	6248.2
17.5°	3841.9	3834.9	3862.7	3966.7	4251.0	4902.9	5790.5	6615.8	6740.6	6997.2	6816.9
20°	4091.5	4091.5	4112.3	4133.1	4237.2	4681.0	5638.0	6920.9	7163.6	7662.9	7454.9
22.5°	4486.8	4486.8	4479.9	4514.5	4514.5	4778.1	5644.9	7149.8	7510.4	8405.0	8203.8
25°	5034.7	5006.9	5006.9	5020.8	4958.4	5145.6	5818.3	7385.5	7857.1	9285.7	9112.3
27.5°	5651.8	5672.7	5658.8	5610.2	5527.0	5672.7	6234.4	7753.1	8245.5	10214.9	10145.6
30°	6324.5	6331.5	6345.3	6317.6	6248.2	6352.3	6886.2	8307.9	8758.6	11185.8	11338.4
32.5°	6983.3	7080.4	7045.7	6976.4	7004.1	7191.4	7690.7	9056.8	9521.5	12087.3	12628.2
35°	7822.4	7857.1	7995.8	7739.2	7746.1	8065.1	8717.0	10041.6	10492.3	13023.5	13918.1
37.5°	9043.0	9105.4	9043.0	8640.7	8578.3	9022.1	9715.6	11012.4	11338.4	13730.9	15117.8
40°	10242.7	10319.0	10423.0	9951.4	9556.1	9923.7	10658.8	11754.5	12094.3	14119.2	15915.3
42.5°	11234.3	11359.2	11248.2	11109.5	10748.9	10818.3	11317.6	12330.0	12669.8	14611.6	16719.8
45°	12073.5	12094.3	12142.8	12045.7	11865.4	11803.0	11879.3	12836.3	13210.8	14833.5	17115.0
47.5°	12420.2	12510.3	12552.0	12718.4	12905.6	12780.8	12357.8	13072.1	13411.9	14819.6	17239.9
50°	12233.0	12323.1	12545.0	12940.3	13391.1	13613.0	12919.5	13398.0	13779.4	15069.3	17496.5
52.5°	11740.6	11837.7	12198.3	12649.0	13404.9	13911.2	13710.1	14077.6	14445.1	15513.1	17926.4
55°	10547.8	10693.4	11199.7	11948.6	12988.8	13751.7	14542.2	15076.2	15478.4	16047.1	18370.2
57.5°	8814.1	8966.7	9535.3	10658.8	12219.1	13092.9	14785.0	16948.6	17128.9	16685.1	18411.8
60°	*6601.9*	*6726.7*	*7531.2*	*8432.7*	*10263.5*	*11886.2*	*14646.3*	*18723.9*	*19181.6*	*16574.1*	*17087.3*
62.5°	5228.8	5381.4	6095.7	6511.8	7822.4	9819.6	14160.8	19216.3	19611.6	15658.7	15242.6
65°	4084.6	4188.6	4854.3	5450.7	5769.7	6705.9	12135.9	16809.9	17163.6	14167.8	12579.7
67.5°	2697.6	2857.1	3647.7	4466.0	4632.4	4264.9	8349.5	12933.4	13099.8	11262.1	9459.0
70°	1934.8	2011.1	2600.5	3474.3	3724.0	2857.1	4549.2	9791.9	9840.5	7558.9	6373.1
72.5°	1317.6	1331.5	1768.4	2663.0	2968.1	2073.5	2503.5	6449.3	6282.9	3730.9	3647.7
75°	894.6	908.5	1130.4	1775.3	2101.2	1442.4	1629.7	3515.9	3377.2	2059.6	2212.2
77.5°	603.3	617.2	776.7	1192.8	1400.8	998.6	1192.8	1858.5	1823.8	1366.2	1185.8
80°	457.7	478.5	575.6	762.8	977.8	582.5	679.6	880.7	894.6	728.2	603.3
82.5°	256.6	284.3	346.7	388.3	631.1	325.9	325.9	527.0	506.2	450.8	325.9
85°	111.0	117.9	138.7	145.6	256.6	138.7	117.9	228.8	235.8	221.9	104.0
87.5°	20.8	20.8	20.8	20.8	20.8	20.8	20.8	27.7	27.7	27.7	27.7
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°	4896.0	4896.0	4896.0	4896.0	4896.0	4896.0	4896.0	4896.0	4896.0	4896.0	4896.0
2.5°	4909.8	4951.4	4909.8	4889.0	4889.0	4854.3	4840.5	4840.5	4791.9	4812.7	4798.9
5°	5020.8	5034.7	4986.1	4923.7	4840.5	4771.1	4674.0	4549.2	4472.9	4466.0	4472.9
7.5°	5194.2	5201.1	5069.3	4930.6	4722.6	4472.9	4174.7	3932.0	3717.0	3682.4	3724.0
10°	5436.9	5423.0	5228.8	4902.9	4466.0	3939.0	3481.3	3259.3	3134.5	3127.6	3120.7
12.5°	5762.8	5672.7	5374.5	4785.0	4022.2	3411.9	3176.1	3162.3	3196.9	3224.7	3231.6
15°	6137.3	6019.4	5492.3	4556.2	3571.4	3217.7	3231.6	3349.5	3391.1	3418.8	3418.8
17.5°	6601.9	6449.3	5624.1	4230.2	3342.6	3259.3	3356.4	3467.4	3536.7	3564.5	3557.5
20°	7219.1	6900.1	5728.1	3918.2	3280.2	3328.7	3411.9	3522.9	3592.2	3626.9	3626.9
22.5°	7836.3	7441.0	5748.9	3703.2	3280.2	3335.6	3411.9	3522.9	3599.2	3633.8	3626.9
25°	8675.4	8134.5	5755.9	3550.6	3287.1	3301.0	3370.3	3467.4	3578.3	3613.0	3626.9
27.5°	9570.0	8897.3	5790.5	3515.9	3259.3	3252.4	3301.0	3391.1	3502.1	3592.2	3599.2
30°	10679.6	9757.2	5804.4	3550.6	3266.3	3176.1	3210.8	3301.0	3418.8	3509.0	3536.7
32.5°	11768.3	10554.7	5776.7	3626.9	3280.2	3127.6	3134.5	3190.0	3314.8	3377.2	3425.8
35°	12919.5	11400.8	5728.1	3730.9	3287.1	3106.8	3044.4	3072.1	3155.3	3162.3	3183.1
37.5°	13821.0	12031.8	5582.5	3869.6	3301.0	3030.5	2905.7	2884.9	2850.2	2780.8	2794.7
40°	14563.0	12454.9	5339.8	3939.0	3266.3	2940.3	2732.3	2635.2	2503.5	2399.4	2420.2
42.5°	15097.0	12739.2	5048.5	3952.8	3210.8	2787.8	2531.2	2364.8	2219.1	2108.2	2115.1
45°	15332.8	12711.5	4736.5	3848.8	3079.0	2600.5	2344.0	2184.5	2025.0	1907.1	1893.2
47.5°	15339.7	12441.0	4306.5	3599.2	2857.1	2385.6	2170.6	1997.2	1865.5	1782.2	1775.3
50°	15395.2	12288.4	3904.3	3238.5	2565.9	2156.7	2018.0	1844.7	1768.4	1650.5	1615.8
52.5°	15742.0	12538.1	3626.9	2843.3	2295.4	1990.3	1886.3	1733.7	1608.9	1532.6	1525.7
55°	16303.7	12968.0	3474.3	2545.1	2038.8	1830.8	1761.4	1629.7	1518.7	1442.4	1421.6
57.5°	16373.0	13190.0	3294.0	2267.7	1830.8	1706.0	1678.2	1532.6	1373.1	1317.6	1296.8
60°	*15402.1*	*12815.5*	*3072.1*	*2011.1*	*1678.2*	*1608.9*	*1595.0*	*1400.8*	*1269.1*	*1199.7*	*1172.0*
62.5°	14077.6	11879.3	2732.3	1775.3	1560.3	1511.8	1456.3	1303.7	1137.3	1061.0	1040.2
65°	11504.8	9986.1	2323.2	1615.8	1442.4	1387.0	1373.1	1165.0	1054.1	1012.5	1005.5
67.5°	8717.0	8023.5	2045.8	1497.9	1317.6	1296.8	1248.3	1178.9	1130.4	1081.8	1068.0
70°	6165.0	5790.5	1740.6	1345.3	1192.8	1158.1	1359.2	1282.9	1109.6	1047.2	1040.2
72.5°	3737.8	3633.8	1504.8	1206.7	1026.3	1081.8	1255.2	1158.1	998.6	922.3	894.6
75°	2357.8	2156.7	1262.1	1026.3	818.3	880.7	1095.7	1033.3	859.9	783.6	762.8
77.5°	1282.9	1192.8	950.1	839.1	644.9	714.3	957.0	853.0	686.5	749.0	665.7
80°	561.7	624.1	631.1	485.4	430.0	527.0	686.5	665.7	527.0	534.0	443.8
82.5°	270.5	353.7	409.2	332.9	242.7	312.1	457.7	381.4	353.7	332.9	319.0
85°	83.2	131.8	180.3	159.5	111.0	131.8	215.0	208.0	249.7	215.0	201.1
87.5°	27.7	27.7	20.8	20.8	20.8	27.7	34.7	20.8	6.9	6.9	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°	4896.0	4896.0	4896.0	4896.0	4896.0	4896.0	4896.0	4896.0	4896.0	4896.0	4896.0
2.5°	4791.9	4798.9	4798.9	4805.8	4805.8	4826.6	4854.3	4882.1	4861.3	4889.0	4896.0
5°	4459.1	4493.7	4521.5	4625.5	4708.7	4778.1	4854.3	4923.7	4944.5	4958.4	4993.0
7.5°	3675.4	3772.5	3952.8	4188.6	4452.1	4708.7	4882.1	5062.4	5090.1	5124.8	5173.3
10°	3127.6	3169.2	3294.0	3536.7	4008.3	4514.5	4937.6	5221.9	5339.8	5409.1	5457.7
12.5°	3217.7	3190.0	3169.2	3203.9	3509.0	4160.9	4902.9	5450.7	5672.7	5748.9	5811.3
15°	3432.7	3405.0	3328.7	3231.6	3266.3	3786.4	4785.0	5665.7	6019.4	6144.2	6276.0
17.5°	3557.5	3529.8	3467.4	3363.4	3273.2	3474.3	4563.1	5859.9	6567.2	6719.8	6907.0
20°	3626.9	3599.2	3536.7	3432.7	3328.7	3356.4	4278.8	6102.6	7191.4	7434.1	7711.5
22.5°	3640.8	3606.1	3536.7	3432.7	3370.3	3349.5	4008.3	6248.2	7864.0	8238.5	8557.5
25°	3633.8	3571.4	3481.3	3405.0	3370.3	3363.4	3821.1	6331.5	8592.2	9188.6	9549.2
27.5°	3585.3	3509.0	3418.8	3363.4	3349.5	3391.1	3737.8	6428.5	9445.2	10208.0	10783.6
30°	3529.8	3418.8	3307.9	3287.1	3321.8	3453.5	3807.2	6463.2	10339.8	11317.6	11907.0
32.5°	3384.2	3301.0	3190.0	3183.1	3266.3	3502.1	3966.7	6414.7	11130.3	12427.1	13169.1
35°	3176.1	3127.6	3065.2	3086.0	3217.7	3543.7	4077.7	6262.1	11851.5	13460.4	14327.3
37.5°	2808.6	2843.3	2877.9	2926.5	3092.9	3536.7	4126.2	6019.4	12447.9	14285.6	15395.2
40°	2399.4	2517.3	2628.3	2753.1	2975.0	3481.3	4140.1	5721.2	12794.7	14909.8	16345.3
42.5°	2142.8	2253.8	2392.5	2572.8	2815.5	3356.4	4126.2	5388.3	12905.6	15339.7	16948.6
45°	1907.1	2038.8	2212.2	2399.4	2676.8	3176.1	4001.4	5027.7	12961.1	15540.8	17205.2
47.5°	1782.2	1858.5	2018.0	2205.3	2496.5	2954.2	3758.7	4764.2	12877.9	15582.5	17517.3
50°	1636.6	1740.6	1844.7	2025.0	2309.3	2676.8	3467.4	4611.6	13016.6	15991.6	18009.6
52.5°	1525.7	1581.1	1692.1	1858.5	2066.6	2420.2	3190.0	4486.8	13398.0	16407.7	18522.8
55°	1442.4	1504.8	1574.2	1712.9	1872.4	2163.7	2905.7	4299.6	13841.8	16851.5	19036.0
57.5°	1310.7	1352.3	1449.4	1595.0	1699.0	1914.0	2572.8	4077.7	13807.1	16504.8	18148.3
60°	*1192.8*	*1234.4*	*1338.4*	*1484.0*	*1546.5*	*1692.1*	*2246.9*	*3793.3*	*13141.4*	*15374.4*	*16511.7*
62.5°	1061.0	1109.6	1234.4	1338.4	1393.9	1504.8	1907.1	3273.2	11754.5	13675.4	14597.7
65°	1005.5	1033.3	1116.5	1241.3	1234.4	1338.4	1608.9	2572.8	9459.0	10450.7	11289.8
67.5°	1068.0	1109.6	1095.7	1130.4	1109.6	1165.0	1442.4	2066.6	7434.1	7871.0	8356.4
70°	1054.1	1151.2	1199.7	1130.4	970.9	1033.3	1248.3	1650.5	5319.0	5277.4	5256.6
72.5°	922.3	1019.4	1158.1	1227.5	950.1	859.9	1081.8	1428.6	3411.9	3398.0	3072.1
75°	783.6	853.0	1019.4	1109.6	818.3	693.5	929.3	1213.6	2038.8	2066.6	1844.7
77.5°	721.2	686.5	853.0	977.8	665.7	534.0	749.0	915.4	1123.4	1137.3	1054.1
80°	520.1	499.3	638.0	714.3	506.2	381.4	423.0	568.7	603.3	540.9	561.7
82.5°	332.9	339.8	381.4	457.7	312.1	208.0	291.3	381.4	325.9	263.5	312.1
85°	215.0	242.7	201.1	235.8	97.1	97.1	124.8	166.4	111.0	76.3	83.2
87.5°	0.0	0.0	13.9	27.7	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

Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

Scaled Data Report

REPORT NUMBER: P1501394
CATALOG NUMBER: GSS-SB6B-727-U-T2LG

CANDELA DISTRIBUTION (continued):

	285°	293°	295°	305°	315°	325°	335°	345°	355°	360°
0°	4896.0	4896.0	*4896.0*	4896.0	4896.0	4896.0	4896.0	4896.0	4896.0	4896.0
2.5°	4916.8	4909.8	*4909.8*	4923.7	4958.4	4972.2	4993.0	4986.1	5006.9	4993.0
5°	5013.8	5020.8	*5041.6*	5048.5	5069.3	5097.1	5104.0	5097.1	5110.9	5110.9
7.5°	5208.0	5235.8	*5221.9*	5256.6	5228.8	5194.2	5138.7	5097.1	5062.4	5076.3
10°	5534.0	5520.1	*5513.2*	5450.7	5325.9	5145.6	5000.0	4840.5	4812.7	4785.0
12.5°	5894.6	5880.7	*5880.7*	5665.7	5312.0	4937.6	4604.7	4355.0	4271.8	4264.9
15°	6400.8	6310.7	*6227.4*	5776.7	5069.3	4431.3	4043.0	3848.8	3800.3	3800.3
17.5°	7031.9	6796.1	*6657.4*	5693.5	4674.0	4098.5	3869.6	3821.1	3807.2	3841.9
20°	7815.5	7219.1	*7018.0*	5506.2	4528.4	4140.1	4029.1	4036.0	4043.0	4091.5
22.5°	8675.4	7607.5	*7274.6*	5506.2	4674.0	4403.6	4348.1	4424.4	4445.2	4486.8
25°	9632.4	7954.2	*7503.4*	5797.5	5104.0	4902.9	4833.5	4909.8	4965.3	5034.7
27.5°	10707.3	8314.8	*7898.7*	6324.5	5658.8	5534.0	5457.7	5492.3	5568.6	5651.8
30°	11671.2	8918.1	*8502.0*	7129.0	6414.7	6262.1	6130.3	6185.8	6269.0	6324.5
32.5°	12524.2	9653.2	*9299.5*	7975.0	7281.5	7018.0	6872.4	6858.5	7024.9	6983.3
35°	13307.8	10520.1	*10180.3*	8938.9	8162.2	7836.3	7642.1	7891.8	7780.8	7822.4
37.5°	13925.0	11421.6	*11151.1*	9861.3	9077.6	8633.8	8515.9	8821.0	8994.4	9043.0
40°	14431.3	12205.2	*11920.9*	10776.6	9916.7	9590.8	9778.0	10284.3	10263.5	10242.7
42.5°	14819.6	12877.9	*12565.8*	11470.1	10721.2	10783.6	10929.2	11269.0	11352.2	11234.3
45°	14993.0	13300.9	*13051.3*	12018.0	11636.6	11997.2	12059.6	12205.2	12149.7	12073.5
47.5°	15194.1	13675.4	*13411.9*	12517.3	12628.2	12981.9	12857.1	12739.2	12538.1	12420.2
50°	15533.9	14119.2	*13897.3*	13245.4	13647.6	13529.8	13044.3	12780.8	12371.6	12233.0
52.5°	16178.8	14958.3	*14791.9*	14396.6	14126.1	13446.5	12857.1	12385.5	11927.8	11740.6
55°	16754.4	16095.6	*15998.5*	15471.5	13980.5	13009.6	12219.1	11490.9	10707.3	10547.8
57.5°	17087.3	17981.9	*18092.8*	15929.2	13314.8	12018.0	10852.9	9687.9	8945.9	8814.1
60°	*16095.6*	*20020.7*	*20076.2*	*15839.0*	*12115.1*	*10228.8*	*8453.5*	*7628.3*	*6830.8*	*6601.9*
62.5°	14729.5	19597.7	*19549.1*	15298.1	9646.3	7461.8	6421.6	6033.3	5416.1	5228.8
65°	12662.9	16324.5	*16380.0*	13217.7	6414.7	5395.3	5395.3	4902.9	4216.3	4084.6
67.5°	10319.0	12586.6	*12461.8*	8571.4	3939.0	4320.4	4528.4	3821.1	2857.1	2697.6
70°	6705.9	9611.6	*9438.2*	4944.5	2475.7	3599.2	3564.5	2871.0	2045.8	1934.8
72.5°	2884.9	5554.8	*5908.4*	2524.3	1865.5	2898.7	2843.3	2011.1	1366.2	1317.6
75°	1740.6	2794.7	*3044.4*	1608.9	1359.2	2184.5	1969.5	1276.0	929.3	894.6
77.5°	1102.6	1532.6	*1518.7*	1206.7	1019.4	1477.1	1324.5	880.7	631.1	603.3
80°	638.0	755.9	*783.6*	755.9	686.5	1054.1	846.0	638.0	492.4	457.7
82.5°	409.2	471.6	*478.5*	367.5	381.4	679.6	457.7	374.5	284.3	256.6
85°	180.3	201.1	*194.2*	124.8	124.8	277.4	159.5	152.6	111.0	111.0
87.5°	6.9	13.9	*6.9*	6.9	6.9	27.7	13.9	20.8	20.8	20.8
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: SP1-2407-184-3

Test Date: 10/09/2024

Luminaire Tested: GSS-SB1A-727-U-5WQ

Data in this report applies to families of products including GSS-SB1A-727-U-5WQ

Report Generated By FNC07603 / LDUCLS01DT446
Version: v7.04

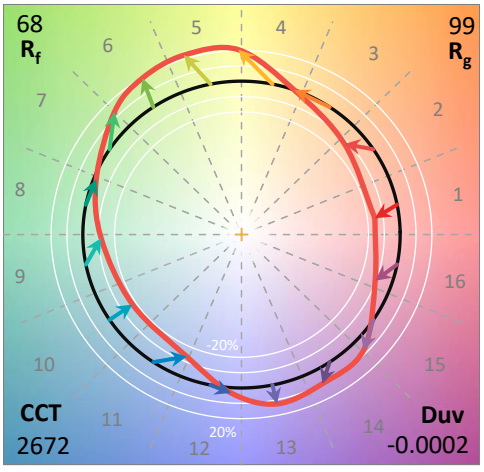
Test Information

Test Method:	LM-79-2019
Report Number:	SP1-2407-184-3
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-727-U-5WQ**
Description:	GALLEON II SITE SLIM 1SQ 350MA 5WQ HIGH DENSITY LIGHTSQUARE WITH 70 CRI 2700K CCT 26 LEDS

Spectral Parameters

CCT (K):	2672
CIE u':	0.2638
CIE v':	0.5276
Duv:	-0.0002
CIE x:	0.4619
CIE y:	0.4106
CIE z:	0.1275
Peak Wavelength (nm):	601
Dominant Wavelength (nm):	584
Purity:	61.88407
Rf:	67.9
Rg:	98.6

CRI (Ra):	71.1
R1:	68.3
R2:	79.8
R3:	91.2
R4:	69.4
R5:	66.5
R6:	72.6
R7:	77.0
R8:	44.1
R9:	-27.8
R10:	54.4
R11:	65.8
R12:	45.6
R13:	69.8
R14:	94.5
R15:	60.1



Test Conditions

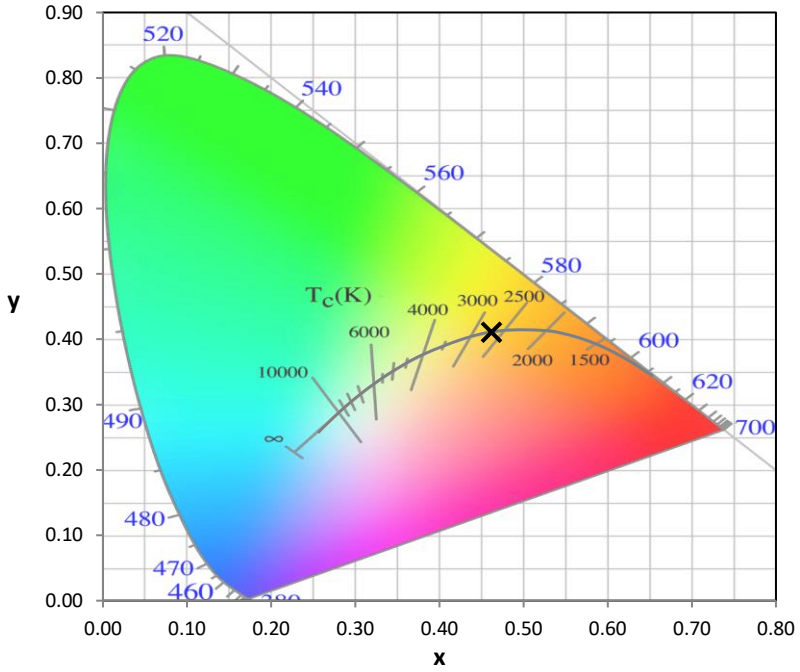
Stabilization Time:	21M
Operation Time:	1H 21M
Sphere Temperature (°C):	25.2

REPORT NUMBER: SP1-2407-184-3

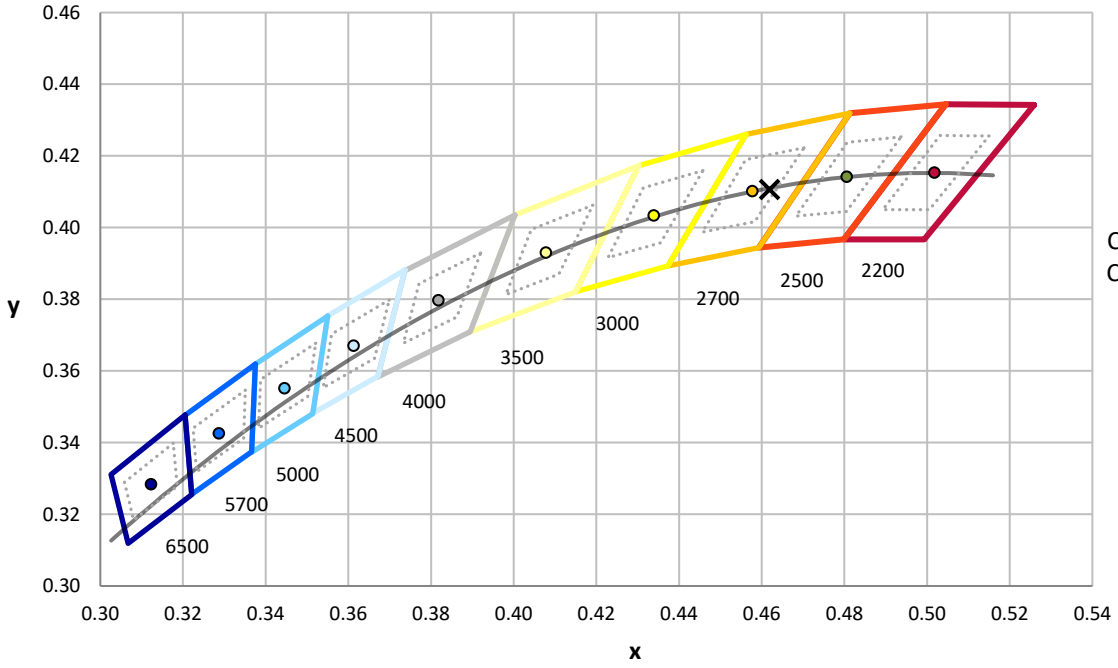
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

REPORT NUMBER: SP1-2407-184-3

CIE 1931 Chromaticity Diagram



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

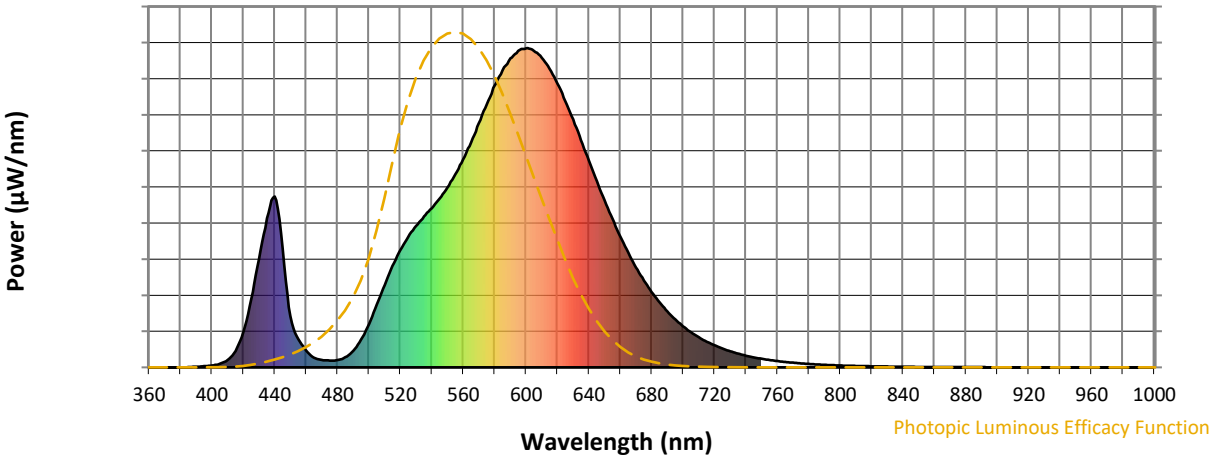


CCT = 2672K
CIE x = 0.4619
CIE y = 0.4106
Duv = -0.0002

Point lies inside the ANSI 2700K 4-step quadrangle

REPORT NUMBER: SP1-2407-184-3

Photopic Flux vs. Wavelength

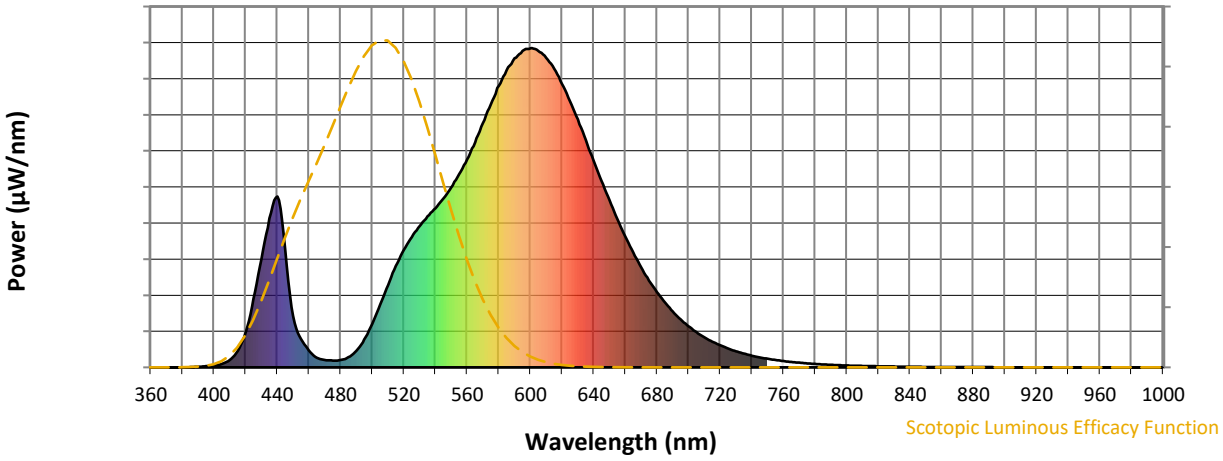


Photopic Lumens: NR

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	52	NR	620	888	NR	750	27	NR	880	1	NR
365	0	NR	495	87	NR	625	834	NR	755	23	NR	885	1	NR
370	0	NR	500	135	NR	630	776	NR	760	20	NR	890	1	NR
375	0	NR	505	196	NR	635	712	NR	765	17	NR	895	0	NR
380	0	NR	510	258	NR	640	648	NR	770	15	NR	900	0	NR
385	1	NR	515	317	NR	645	583	NR	775	12	NR	905	0	NR
390	2	NR	520	368	NR	650	523	NR	780	11	NR	910	0	NR
395	4	NR	525	408	NR	655	465	NR	785	9	NR	915	0	NR
400	6	NR	530	443	NR	660	410	NR	790	8	NR	920	0	NR
405	11	NR	535	473	NR	665	360	NR	795	7	NR	925	0	NR
410	23	NR	540	498	NR	670	313	NR	800	6	NR	930	0	NR
415	51	NR	545	530	NR	675	272	NR	805	5	NR	935	0	NR
420	111	NR	550	563	NR	680	236	NR	810	4	NR	940	0	NR
425	214	NR	555	605	NR	685	203	NR	815	4	NR	945	0	NR
430	339	NR	560	651	NR	690	175	NR	820	3	NR	950	0	NR
435	467	NR	565	705	NR	695	150	NR	825	3	NR	955	0	NR
440	535	NR	570	765	NR	700	128	NR	830	3	NR	960	0	NR
445	372	NR	575	824	NR	705	110	NR	835	2	NR	965	0	NR
450	160	NR	580	882	NR	710	94	NR	840	2	NR	970	0	NR
455	89	NR	585	930	NR	715	80	NR	845	2	NR	975	0	NR
460	53	NR	590	968	NR	720	69	NR	850	1	NR	980	0	NR
465	31	NR	595	991	NR	725	59	NR	855	1	NR	985	0	NR
470	23	NR	600	999	NR	730	50	NR	860	1	NR	990	0	NR
475	21	NR	605	992	NR	735	43	NR	865	1	NR	995	0	NR
480	23	NR	610	969	NR	740	36	NR	870	1	NR	1000	0	NR
485	32	NR	615	935	NR	745	31	NR	875	1	NR			

REPORT NUMBER: SP1-2407-184-3

Scotopic Flux vs. Wavelength

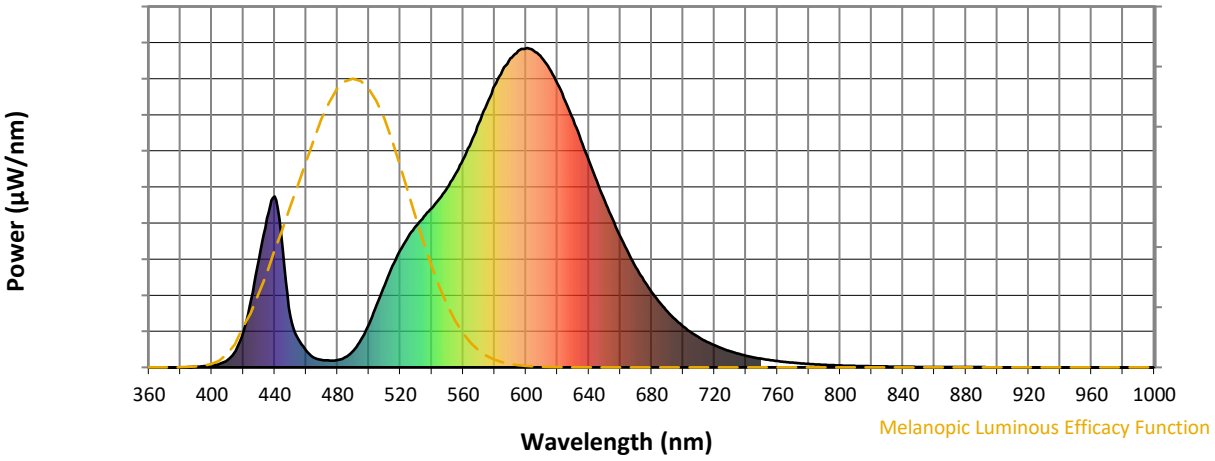


Scotopic Lumens: NR **S/P: 1.02**

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	52	NR	620	888	NR	750	27	NR	880	1	NR
365	0	NR	495	87	NR	625	834	NR	755	23	NR	885	1	NR
370	0	NR	500	135	NR	630	776	NR	760	20	NR	890	1	NR
375	0	NR	505	196	NR	635	712	NR	765	17	NR	895	0	NR
380	0	NR	510	258	NR	640	648	NR	770	15	NR	900	0	NR
385	1	NR	515	317	NR	645	583	NR	775	12	NR	905	0	NR
390	2	NR	520	368	NR	650	523	NR	780	11	NR	910	0	NR
395	4	NR	525	408	NR	655	465	NR	785	9	NR	915	0	NR
400	6	NR	530	443	NR	660	410	NR	790	8	NR	920	0	NR
405	11	NR	535	473	NR	665	360	NR	795	7	NR	925	0	NR
410	23	NR	540	498	NR	670	313	NR	800	6	NR	930	0	NR
415	51	NR	545	530	NR	675	272	NR	805	5	NR	935	0	NR
420	111	NR	550	563	NR	680	236	NR	810	4	NR	940	0	NR
425	214	NR	555	605	NR	685	203	NR	815	4	NR	945	0	NR
430	339	NR	560	651	NR	690	175	NR	820	3	NR	950	0	NR
435	467	NR	565	705	NR	695	150	NR	825	3	NR	955	0	NR
440	535	NR	570	765	NR	700	128	NR	830	3	NR	960	0	NR
445	372	NR	575	824	NR	705	110	NR	835	2	NR	965	0	NR
450	160	NR	580	882	NR	710	94	NR	840	2	NR	970	0	NR
455	89	NR	585	930	NR	715	80	NR	845	2	NR	975	0	NR
460	53	NR	590	968	NR	720	69	NR	850	1	NR	980	0	NR
465	31	NR	595	991	NR	725	59	NR	855	1	NR	985	0	NR
470	23	NR	600	999	NR	730	50	NR	860	1	NR	990	0	NR
475	21	NR	605	992	NR	735	43	NR	865	1	NR	995	0	NR
480	23	NR	610	969	NR	740	36	NR	870	1	NR	1000	0	NR
485	32	NR	615	935	NR	745	31	NR	875	1	NR			

REPORT NUMBER: SP1-2407-184-3

Melanopic Flux vs. Wavelength



Melanopic Lumens: NR **M/P: 1.71**

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	52	NR	620	888	NR	750	27	NR	880	1	NR
365	0	NR	495	87	NR	625	834	NR	755	23	NR	885	1	NR
370	0	NR	500	135	NR	630	776	NR	760	20	NR	890	1	NR
375	0	NR	505	196	NR	635	712	NR	765	17	NR	895	0	NR
380	0	NR	510	258	NR	640	648	NR	770	15	NR	900	0	NR
385	1	NR	515	317	NR	645	583	NR	775	12	NR	905	0	NR
390	2	NR	520	368	NR	650	523	NR	780	11	NR	910	0	NR
395	4	NR	525	408	NR	655	465	NR	785	9	NR	915	0	NR
400	6	NR	530	443	NR	660	410	NR	790	8	NR	920	0	NR
405	11	NR	535	473	NR	665	360	NR	795	7	NR	925	0	NR
410	23	NR	540	498	NR	670	313	NR	800	6	NR	930	0	NR
415	51	NR	545	530	NR	675	272	NR	805	5	NR	935	0	NR
420	111	NR	550	563	NR	680	236	NR	810	4	NR	940	0	NR
425	214	NR	555	605	NR	685	203	NR	815	4	NR	945	0	NR
430	339	NR	560	651	NR	690	175	NR	820	3	NR	950	0	NR
435	467	NR	565	705	NR	695	150	NR	825	3	NR	955	0	NR
440	535	NR	570	765	NR	700	128	NR	830	3	NR	960	0	NR
445	372	NR	575	824	NR	705	110	NR	835	2	NR	965	0	NR
450	160	NR	580	882	NR	710	94	NR	840	2	NR	970	0	NR
455	89	NR	585	930	NR	715	80	NR	845	2	NR	975	0	NR
460	53	NR	590	968	NR	720	69	NR	850	1	NR	980	0	NR
465	31	NR	595	991	NR	725	59	NR	855	1	NR	985	0	NR
470	23	NR	600	999	NR	730	50	NR	860	1	NR	990	0	NR
475	21	NR	605	992	NR	735	43	NR	865	1	NR	995	0	NR
480	23	NR	610	969	NR	740	36	NR	870	1	NR	1000	0	NR
485	32	NR	615	935	NR	745	31	NR	875	1	NR			

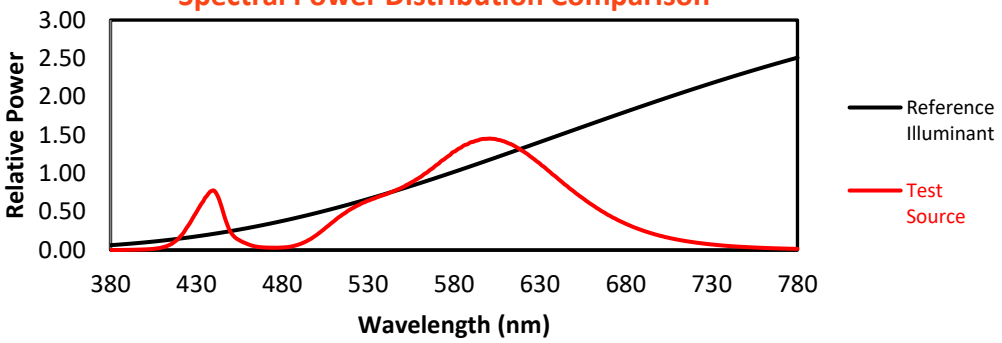
REPORT NUMBER: SP1-2407-184-3

TM-30-18

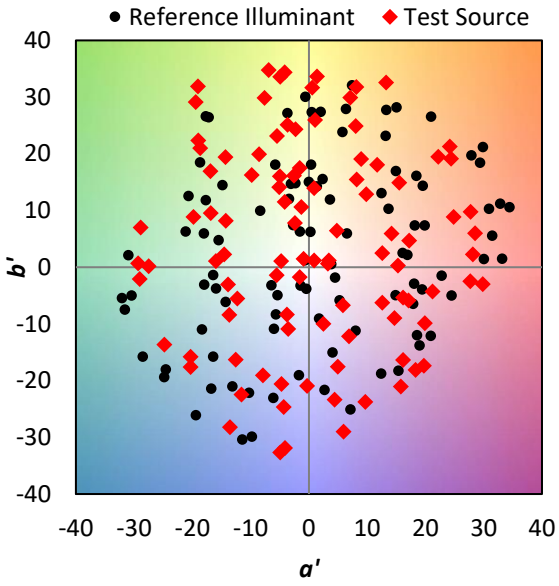
Summary

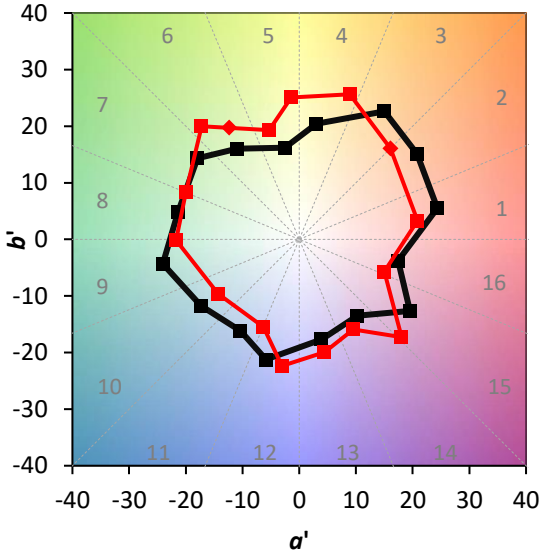
R_f = 67.9
R_g = 98.6
CIE R_a = 71.1
R_9 = -27.8

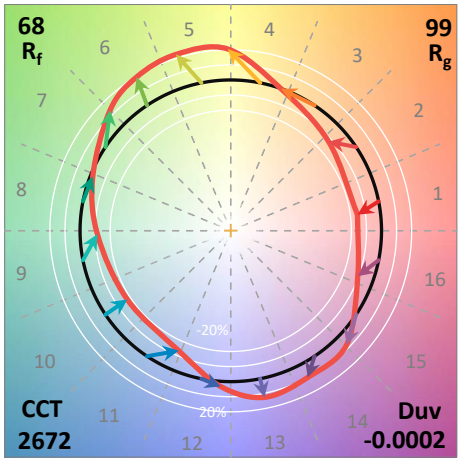
Spectral Power Distribution Comparison

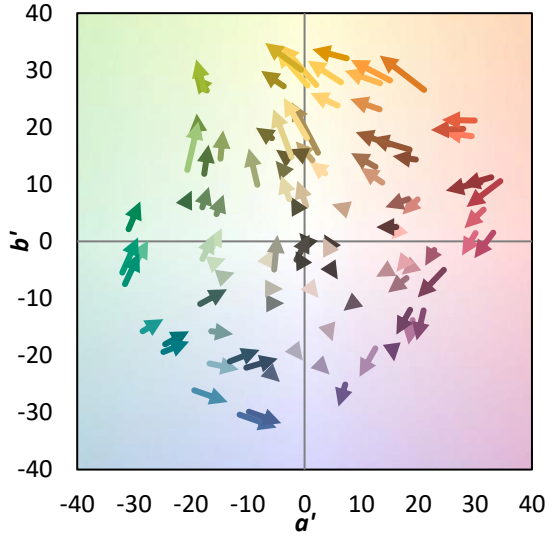


Color Vector Graphics







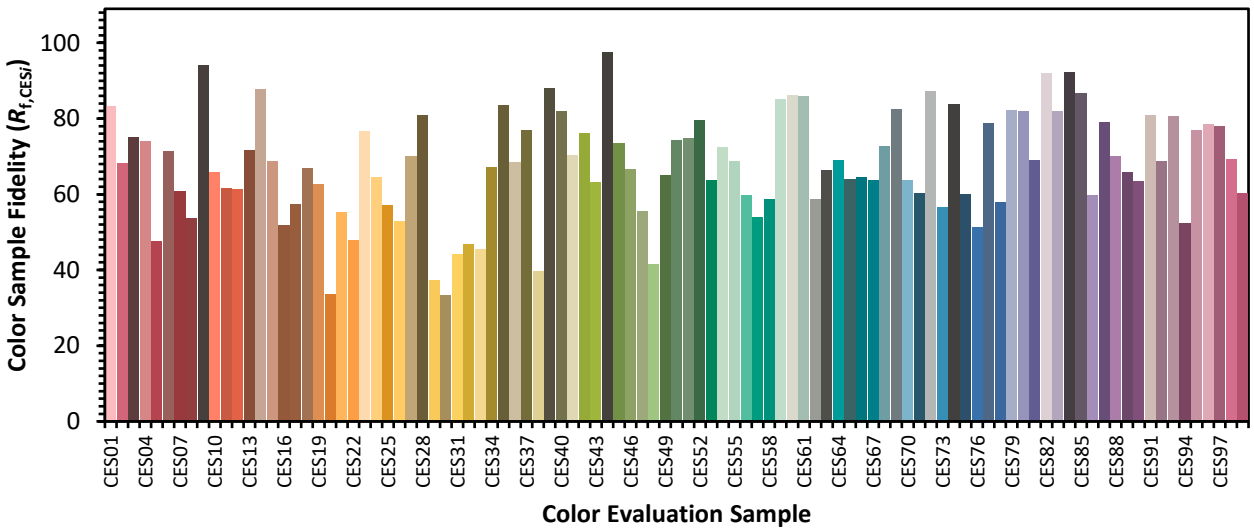


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Individual Sample Fidelity Index ($R_{f,i}$)

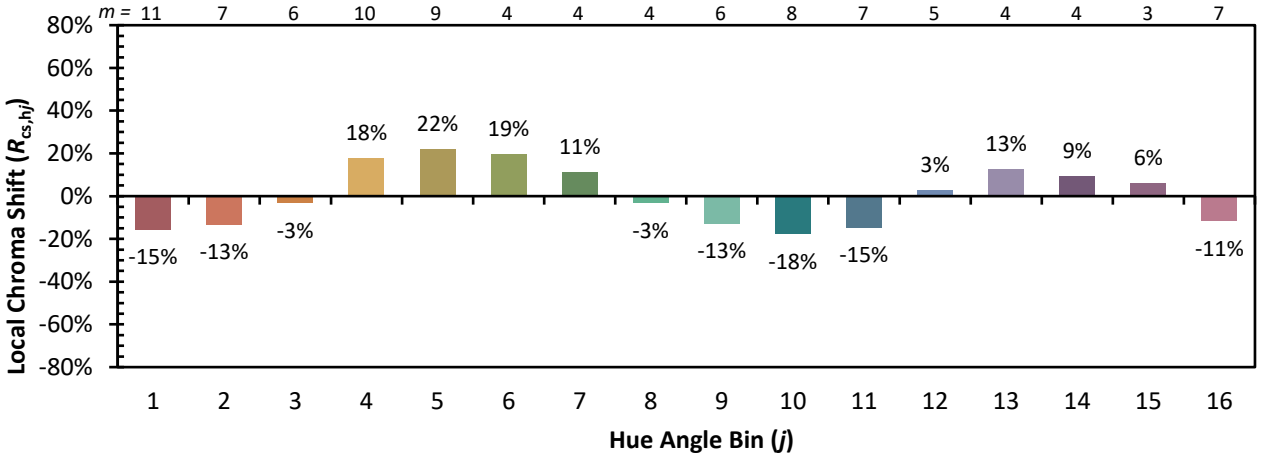
CES01 = 86	CES26 = 53	CES51 = 75	CES76 = 51
CES02 = 63	CES27 = 70	CES52 = 80	CES77 = 79
CES03 = 31	CES28 = 81	CES53 = 64	CES78 = 58
CES04 = 71	CES29 = 37	CES54 = 73	CES79 = 82
CES05 = 50	CES30 = 33	CES55 = 69	CES80 = 82
CES06 = 52	CES31 = 44	CES56 = 60	CES81 = 69
CES07 = 42	CES32 = 47	CES57 = 54	CES82 = 92
CES08 = 41	CES33 = 45	CES58 = 59	CES83 = 82
CES09 = 29	CES34 = 67	CES59 = 85	CES84 = 92
CES10 = 77	CES35 = 84	CES60 = 86	CES85 = 87
CES11 = 60	CES36 = 68	CES61 = 86	CES86 = 60
CES12 = 66	CES37 = 77	CES62 = 59	CES87 = 79
CES13 = 44	CES38 = 40	CES63 = 66	CES88 = 70
CES14 = 74	CES39 = 88	CES64 = 69	CES89 = 66
CES15 = 72	CES40 = 82	CES65 = 64	CES90 = 64
CES16 = 48	CES41 = 70	CES66 = 65	CES91 = 81
CES17 = 51	CES42 = 76	CES67 = 64	CES92 = 69
CES18 = 57	CES43 = 63	CES68 = 73	CES93 = 81
CES19 = 73	CES44 = 97	CES69 = 83	CES94 = 53
CES20 = 67	CES45 = 74	CES70 = 64	CES95 = 77
CES21 = 88	CES46 = 67	CES71 = 60	CES96 = 79
CES22 = 80	CES47 = 55	CES72 = 87	CES97 = 78
CES23 = 92	CES48 = 42	CES73 = 57	CES98 = 69
CES24 = 92	CES49 = 65	CES74 = 84	CES99 = 60
CES25 = 73	CES50 = 74	CES75 = 60	

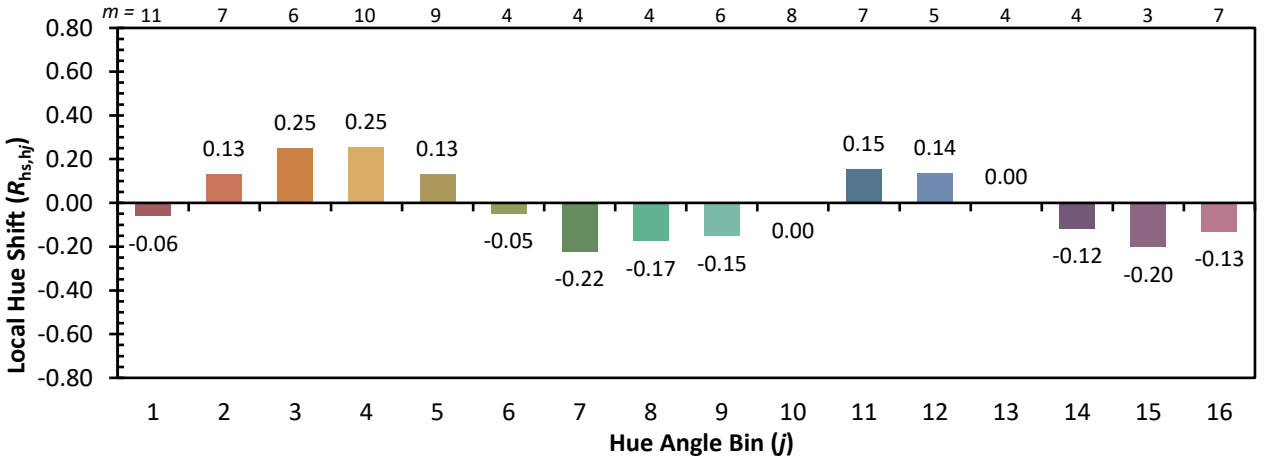


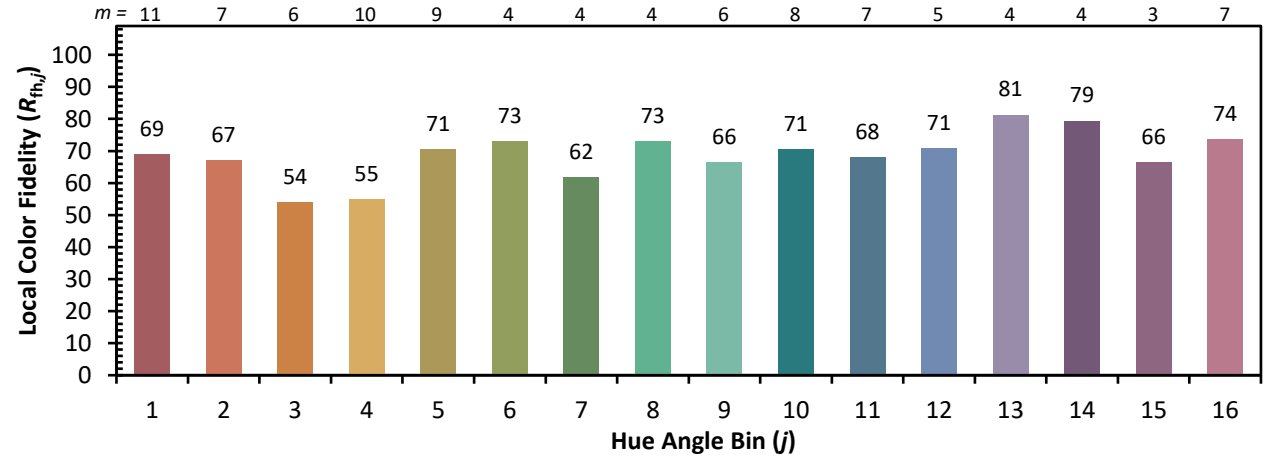
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Color Rendition by Hue-Angle Bin



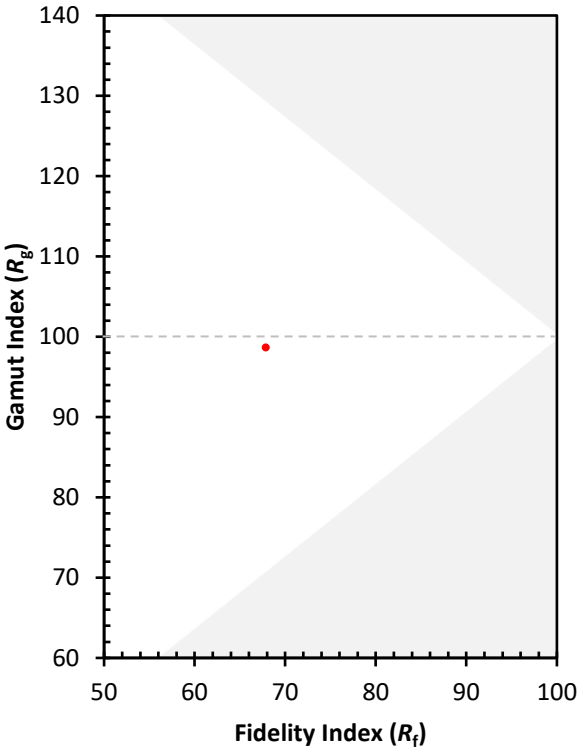


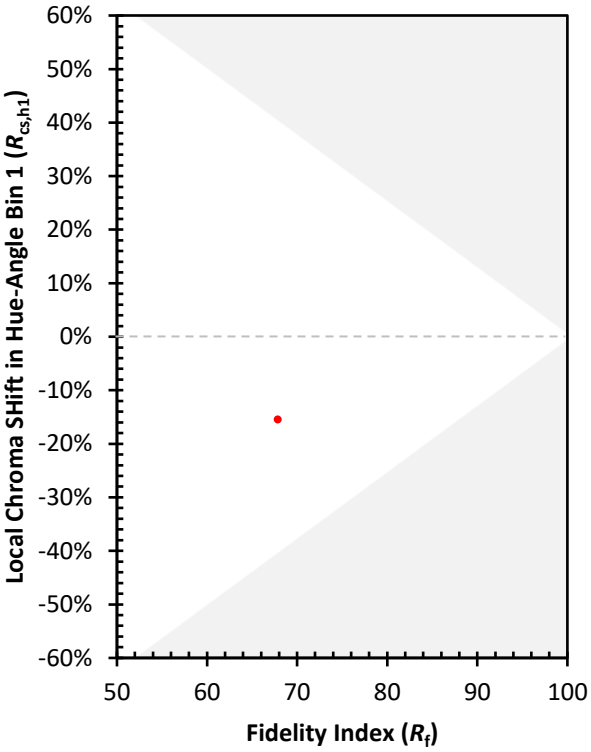


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Measure Comparisons





(END OF REPORT)