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: P1501411

Luminaire Tested: GSS-SB4C-730-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:	P1501411
Test Lab:	INNOVATION CENTER(G1)
Issue Date:	7/20/2026
Manufacturer:	COOPER LIGHTING SOLUTIONS
Product Line:	McGRAW-EDISON
Catalog Number:	GSS-SB4C-730-U-T2LG
Description:	GALLEON II SLIM SITE HIGH DENSITY LED ARRAYS 4SQUARE 204W 70CRI 3000K FIXTURE w/ TYPE II LOW GLARE DISTRIBUTION FIXTURE
Light Source:	(104) 3000K CCT, 70 CRI LEDS
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	28827.6 lumens
Efficiency:	N/A
Efficacy:	141.3 lumens/watt
Luminous Opening:	Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification:	Type II - Short
BUG Rating:	B3 - U0 - G3

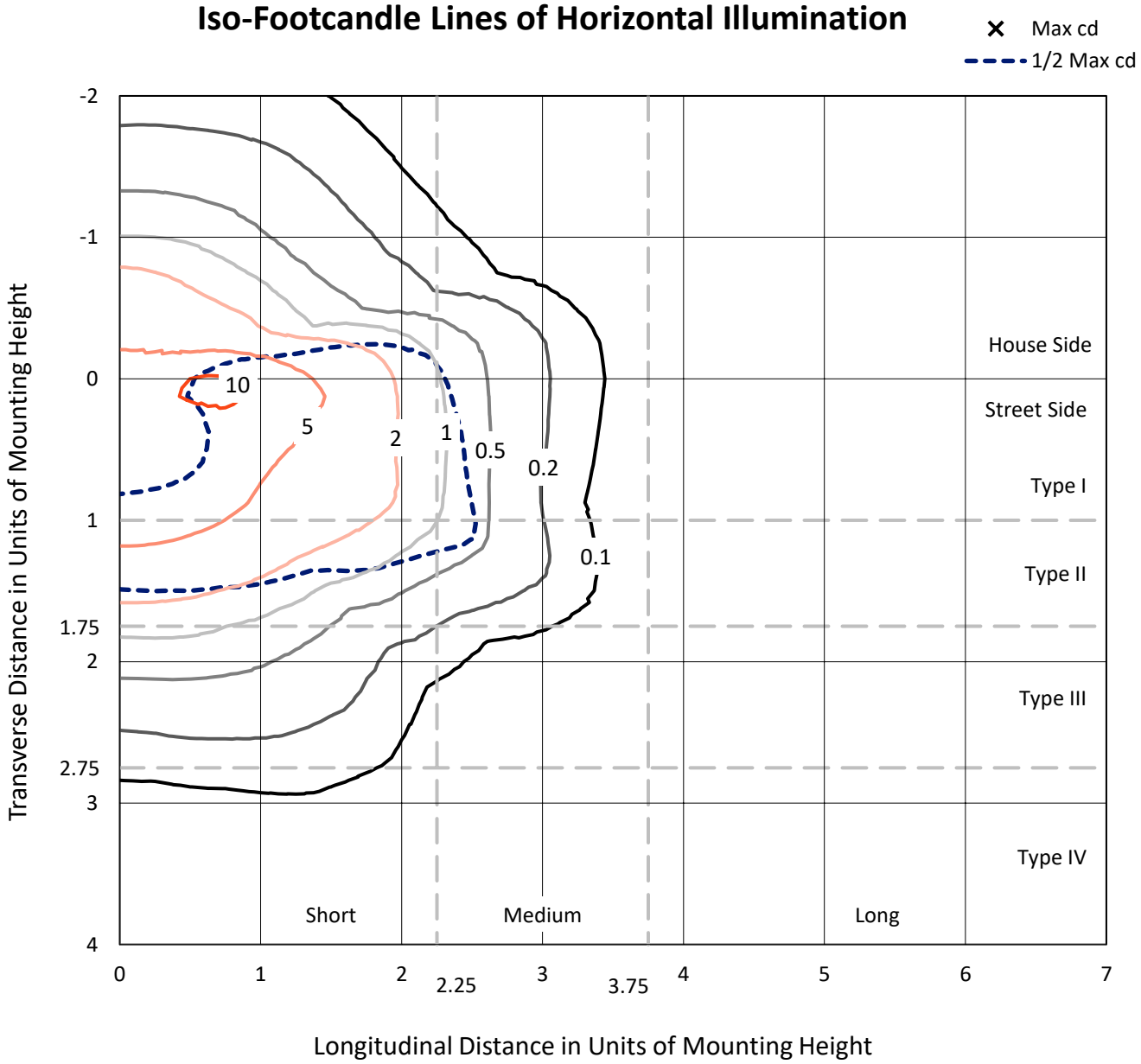
Input Watts (W):	204
Input Voltage (V):	120
Input Current (Ain):	NR
Voltage Rise (V):	NR
Power Factor:	0.98
Total Harmonic Distortion (THDi):	9.5%
Frequency (hertz):	60
Stabilization Time:	NR
Operation Time:	NR
Ambient Temperature (°C):	NR
Test Distance:	28.75 FT

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Iso-Footcandle Lines of Horizontal Illumination



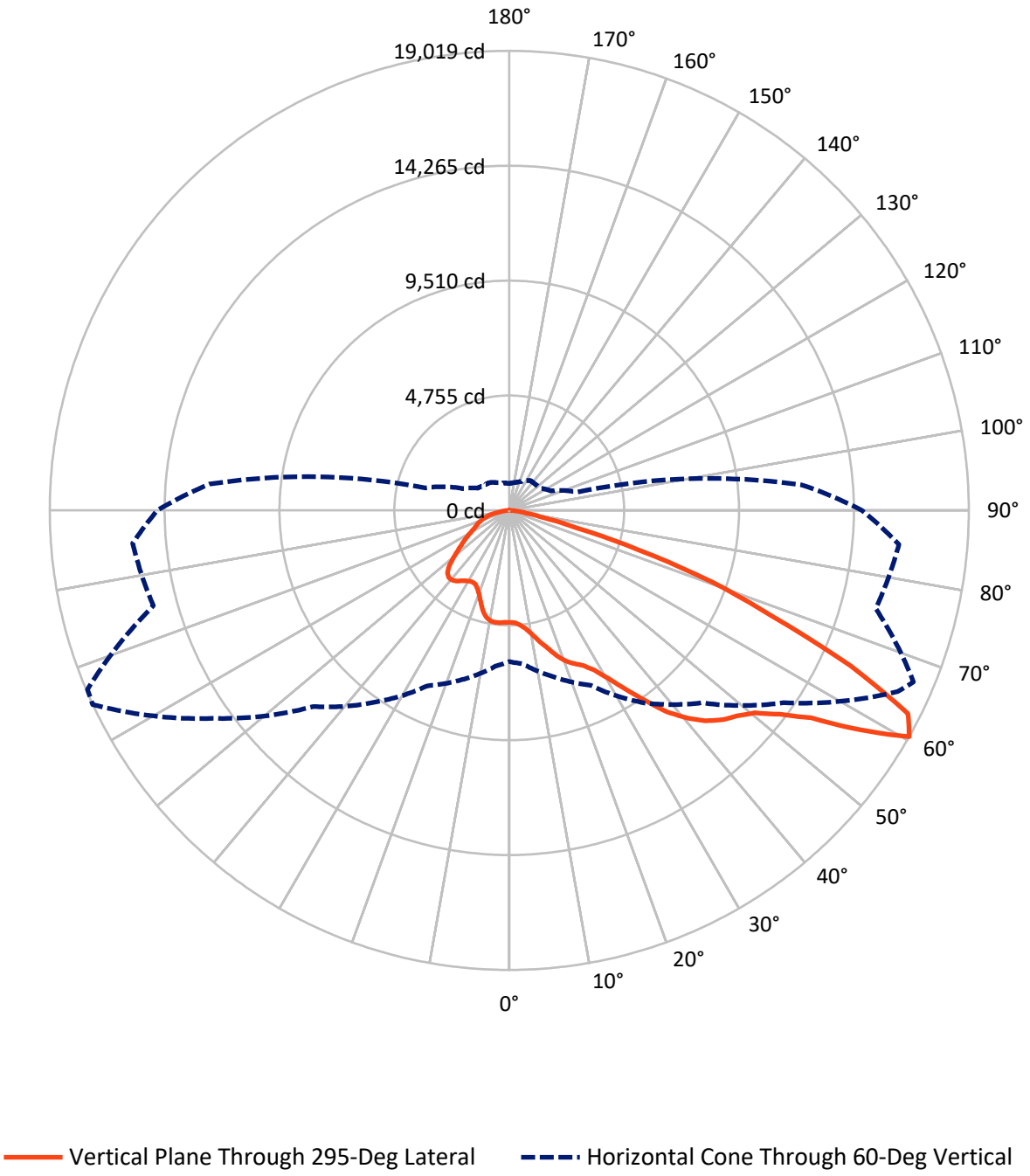
Based on 25 foot mounting height. Maximum calculated value = 11.2 fc
Type II - Short - N/A

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Luminous Intensity Polar Plot



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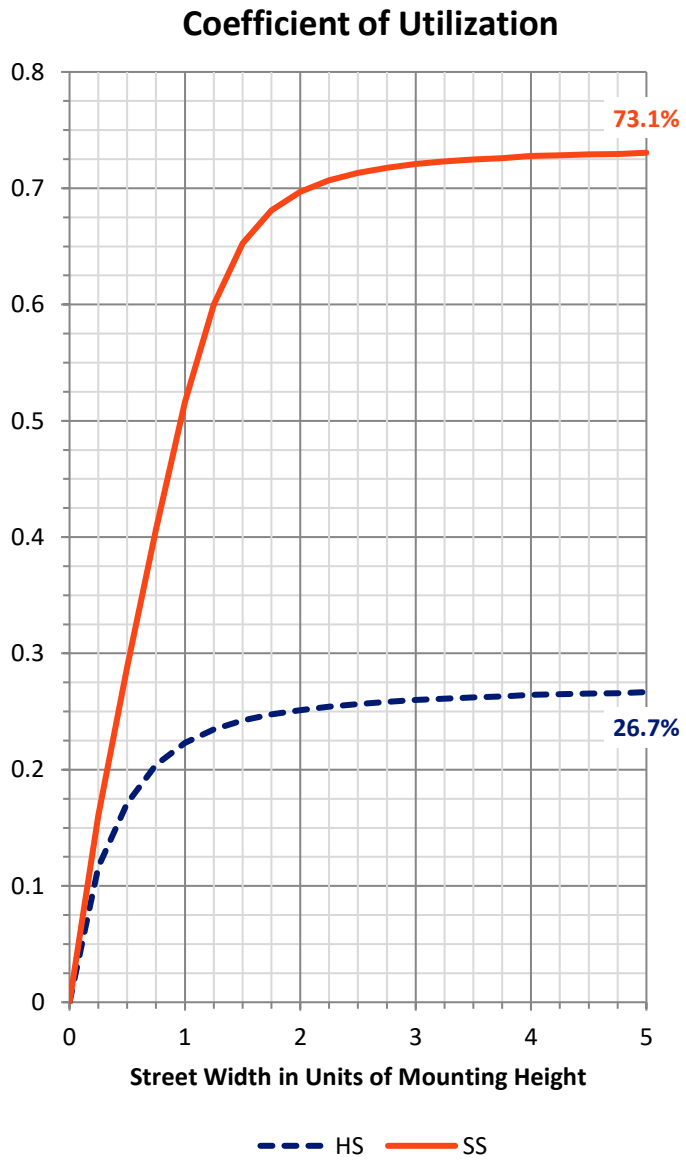
REPORT NUMBER: P1501411
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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	7752.1	0.0	7752.1
	% Fixture	26.9	0.0	26.9
Street Side	Lumens	21075.5	0.0	21075.5
	% Fixture	73.1	0.0	73.1
Total	Lumens	28827.6	0.0	28827.6
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	436.1	1.5
10°-20°	1253.7	4.3
20°-30°	2374.6	8.2
30°-40°	4186.3	14.5
40°-50°	6191.2	21.5
50°-60°	7270.1	25.2
60°-70°	5267.5	18.3
70°-80°	1624.5	5.6
80°-90°	223.6	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°	28827.6	100.0
0°-180°	28827.6	100.0



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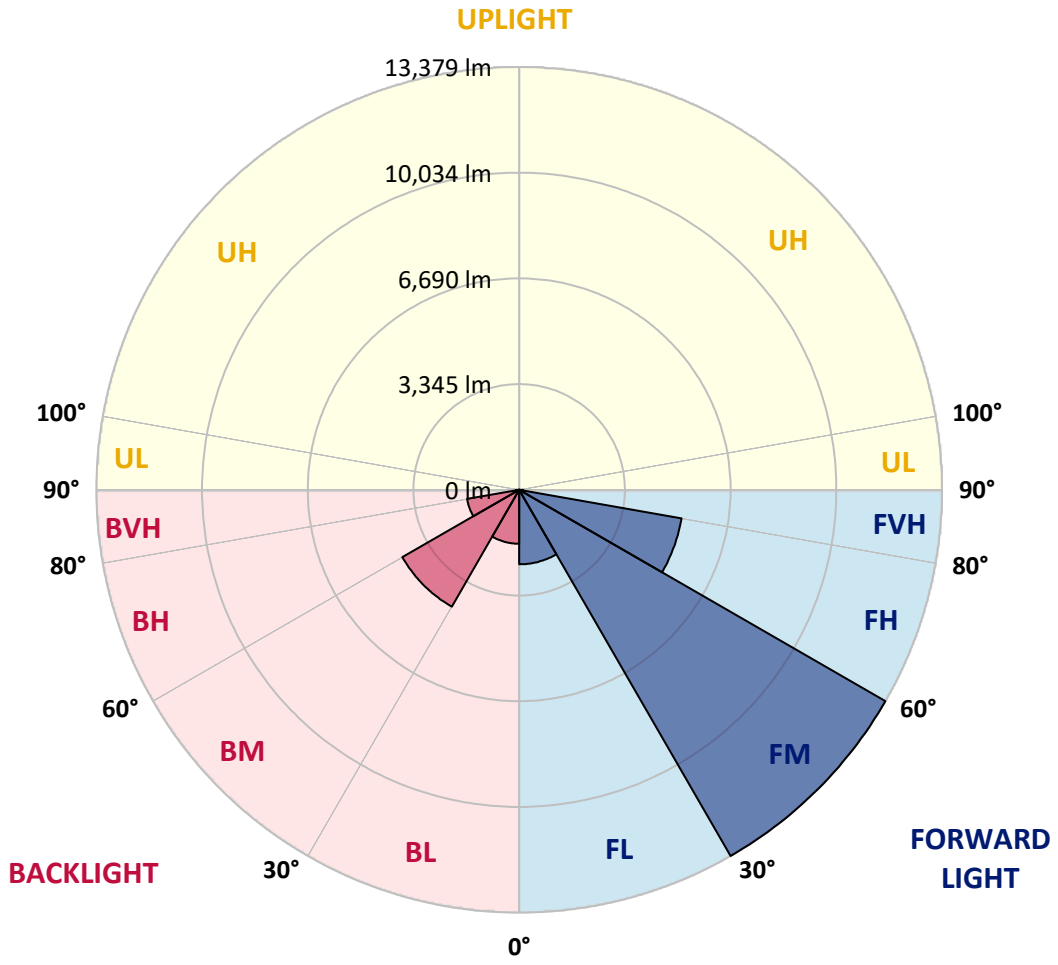
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	2357.1	8.2			
FM	(30°-60°)	13379.1	46.4			
FH	(60°-80°)	5218.7	18.1			G3/7500
FVH	(80°-90°)	120.6	0.4			G2/225
BL	(0°-30°)	1707.3	5.9	B3/2500		
BM	(30°-60°)	4268.5	14.8	B3/5000		
BH	(60°-80°)	1673.3	5.8	B3/2500		G3/2500
BVH	(80°-90°)	103.0	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°	4638.2	4638.2	4638.2	4638.2	4638.2	4638.2	4638.2	4638.2	4638.2	4638.2	4638.2
2.5°	4730.2	4743.3	4723.6	4736.8	4736.8	4717.1	4710.5	4684.2	4697.4	4690.8	4684.2
5°	4841.9	4848.5	4835.3	4855.0	4855.0	4861.6	4855.0	4822.2	4822.2	4822.2	4809.0
7.5°	4809.0	4809.0	4815.6	4881.3	4947.0	5032.4	5032.4	5019.3	5032.4	5025.8	4966.7
10°	4533.1	4559.4	4618.5	4782.8	4940.4	5124.4	5249.2	5288.6	5288.6	5295.2	5196.7
12.5°	4040.4	4060.1	4198.1	4447.7	4776.2	5111.2	5413.5	5610.5	5630.3	5663.1	5531.7
15°	3600.2	3613.3	3711.9	3968.1	4342.6	4933.9	5505.4	5912.8	5978.4	6116.4	5919.3
17.5°	3639.6	3633.1	3659.3	3757.9	4027.2	4644.8	5485.7	6267.5	6385.8	6628.9	6458.0
20°	3876.1	3876.1	3895.8	3915.6	4014.1	4434.6	5341.2	6556.6	6786.5	7259.5	7062.5
22.5°	4250.6	4250.6	4244.0	4276.9	4276.9	4526.5	5347.8	6773.4	7115.0	7962.5	7772.0
25°	4769.6	4743.3	4743.3	4756.5	4697.4	4874.7	5512.0	6996.8	7443.5	8796.9	8632.6
27.5°	5354.3	5374.0	5360.9	5314.9	5236.1	5374.0	5906.2	7345.0	7811.4	9677.2	9611.5
30°	5991.6	5998.2	6011.3	5985.0	5919.3	6017.9	6523.7	7870.5	8297.6	10597.0	10741.5
32.5°	6615.7	6707.7	6674.8	6609.1	6635.4	6812.8	7285.8	8580.1	9020.2	11451.0	11963.5
35°	7410.6	7443.5	7574.9	7331.8	7338.4	7640.6	8258.1	9513.0	9940.0	12337.9	13185.4
37.5°	8566.9	8626.0	8566.9	8185.9	8126.7	8547.2	9204.2	10432.7	10741.5	13008.1	14322.0
40°	9703.5	9775.8	9874.3	9427.6	9053.1	9401.3	10097.7	11135.7	11457.6	13376.0	15077.5
42.5°	10643.0	10761.2	10656.1	10524.7	10183.1	10248.8	10721.8	11681.0	12002.9	13842.4	15839.6
45°	11437.9	11457.6	11503.6	11411.6	11240.8	11181.7	11253.9	12160.6	12515.3	14052.6	16214.1
47.5°	11766.4	11851.8	11891.2	12048.9	12226.3	12108.0	11707.2	12383.9	12705.8	14039.5	16332.3
50°	11589.0	11674.4	11884.6	12259.1	12686.1	12896.4	12239.4	12692.7	13054.0	14276.0	16575.4
52.5°	11122.5	11214.5	11556.1	11983.2	12699.3	13178.9	12988.3	13336.5	13684.7	14696.5	16982.7
55°	9992.6	10130.5	10610.1	11319.6	12305.1	13027.8	13776.7	14282.6	14663.6	15202.3	17403.2
57.5°	8350.1	8494.7	9033.4	10097.7	11575.9	12403.6	14006.7	16056.4	16227.2	15806.8	17442.6
60°	*6254.4*	*6372.6*	*7134.7*	*7988.8*	*9723.2*	*11260.5*	*13875.3*	*17738.3*	*18171.9*	*15701.6*	*16187.8*
62.5°	4953.6	5098.1	5774.8	6169.0	7410.6	9302.7	13415.4	18204.7	18579.2	14834.4	14440.3
65°	3869.6	3968.1	4598.8	5163.8	5466.0	6352.9	11497.0	15925.0	16260.1	13421.9	11917.5
67.5°	2555.6	2706.7	3455.7	4230.9	4388.6	4040.4	7909.9	12252.5	12410.2	10669.2	8961.1
70°	1833.0	1905.2	2463.6	3291.4	3527.9	2706.7	4309.7	9276.5	9322.4	7161.0	6037.6
72.5°	1248.2	1261.4	1675.3	2522.8	2811.8	1964.3	2371.7	6109.8	5952.2	3534.5	3455.7
75°	847.5	860.6	1070.9	1681.8	1990.6	1366.5	1543.9	3330.9	3199.5	1951.2	2095.7
77.5°	571.6	584.7	735.8	1130.0	1327.1	946.0	1130.0	1760.7	1727.8	1294.2	1123.4
80°	433.6	453.3	545.3	722.7	926.3	551.9	643.8	834.4	847.5	689.8	571.6
82.5°	243.1	269.4	328.5	367.9	597.8	308.8	308.8	499.3	479.6	427.0	308.8
85°	105.1	111.7	131.4	138.0	243.1	131.4	111.7	216.8	223.4	210.2	98.5
87.5°	19.7	19.7	19.7	19.7	19.7	19.7	19.7	26.3	26.3	26.3	26.3
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°	4638.2	4638.2	4638.2	4638.2	4638.2	4638.2	4638.2	4638.2	4638.2	4638.2	4638.2
2.5°	4651.4	4690.8	4651.4	4631.7	4631.7	4598.8	4585.7	4585.7	4539.7	4559.4	4546.2
5°	4756.5	4769.6	4723.6	4664.5	4585.7	4520.0	4428.0	4309.7	4237.5	4230.9	4237.5
7.5°	4920.7	4927.3	4802.5	4671.1	4474.0	4237.5	3955.0	3725.0	3521.4	3488.5	3527.9
10°	5150.7	5137.5	4953.6	4644.8	4230.9	3731.6	3298.0	3087.8	2969.5	2962.9	2956.4
12.5°	5459.4	5374.0	5091.5	4533.1	3810.4	3232.3	3008.9	2995.8	3028.6	3054.9	3061.5
15°	5814.2	5702.5	5203.2	4316.3	3383.4	3048.4	3061.5	3173.2	3212.6	3238.9	3238.9
17.5°	6254.4	6109.8	5328.0	4007.5	3166.6	3087.8	3179.7	3284.9	3350.6	3376.8	3370.3
20°	6839.1	6536.9	5426.6	3711.9	3107.5	3153.5	3232.3	3337.4	3403.1	3436.0	3436.0
22.5°	7423.8	7049.3	5446.3	3508.2	3107.5	3160.0	3232.3	3337.4	3409.7	3442.5	3436.0
25°	8218.7	7706.3	5452.9	3363.7	3114.0	3127.2	3192.9	3284.9	3390.0	3422.8	3436.0
27.5°	9066.2	8429.0	5485.7	3330.9	3087.8	3081.2	3127.2	3212.6	3317.7	3403.1	3409.7
30°	10117.4	9243.6	5498.9	3363.7	3094.3	3008.9	3041.8	3127.2	3238.9	3324.3	3350.6
32.5°	11148.8	9999.1	5472.6	3436.0	3107.5	2962.9	2969.5	3022.1	3140.3	3199.5	3245.4
35°	12239.4	10800.6	5426.6	3534.5	3114.0	2943.2	2884.1	2910.4	2989.2	2995.8	3015.5
37.5°	13093.5	11398.5	5288.6	3665.9	3127.2	2871.0	2752.7	2733.0	2700.2	2634.5	2647.6
40°	13796.4	11799.2	5058.7	3731.6	3094.3	2785.6	2588.5	2496.5	2371.7	2273.1	2292.8
42.5°	14302.3	12068.6	4782.8	3744.7	3041.8	2641.0	2397.9	2240.3	2102.3	1997.2	2003.8
45°	14525.7	12042.3	4487.1	3646.2	2917.0	2463.6	2220.6	2069.5	1918.4	1806.7	1793.5
47.5°	14532.2	11786.1	4079.8	3409.7	2706.7	2260.0	2056.3	1892.1	1767.3	1688.4	1681.8
50°	14584.8	11641.6	3698.8	3068.1	2430.8	2043.2	1911.8	1747.5	1675.3	1563.6	1530.7
52.5°	14913.3	11878.1	3436.0	2693.6	2174.6	1885.5	1787.0	1642.4	1524.2	1451.9	1445.3
55°	15445.4	12285.4	3291.4	2411.1	1931.5	1734.4	1668.7	1543.9	1438.8	1366.5	1346.8
57.5°	15511.1	12495.6	3120.6	2148.3	1734.4	1616.2	1589.9	1451.9	1300.8	1248.2	1228.5
60°	*14591.4*	*12140.9*	*2910.4*	*1905.2*	*1589.9*	*1524.2*	*1511.0*	*1327.1*	*1202.3*	*1136.6*	*1110.3*
62.5°	13336.5	11253.9	2588.5	1681.8	1478.2	1432.2	1379.6	1235.1	1077.4	1005.2	985.5
65°	10899.2	9460.4	2200.9	1530.7	1366.5	1313.9	1300.8	1103.7	998.6	959.2	952.6
67.5°	8258.1	7601.2	1938.1	1419.1	1248.2	1228.5	1182.6	1116.9	1070.9	1024.9	1011.7
70°	5840.5	5485.7	1649.0	1274.5	1130.0	1097.1	1287.7	1215.4	1051.2	992.0	985.5
72.5°	3541.1	3442.5	1425.6	1143.1	972.3	1024.9	1189.1	1097.1	946.0	873.8	847.5
75°	2233.7	2043.2	1195.7	972.3	775.2	834.4	1038.0	978.9	814.6	742.4	722.7
77.5°	1215.4	1130.0	900.1	794.9	611.0	676.7	906.6	808.1	650.4	709.5	630.7
80°	532.1	591.3	597.8	459.9	407.3	499.3	650.4	630.7	499.3	505.9	420.5
82.5°	256.2	335.1	387.6	315.3	229.9	295.6	433.6	361.3	335.1	315.3	302.2
85°	78.8	124.8	170.8	151.1	105.1	124.8	203.7	197.1	236.5	203.7	190.5
87.5°	26.3	26.3	19.7	19.7	19.7	26.3	32.8	19.7	6.6	6.6	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°	4638.2	4638.2	4638.2	4638.2	4638.2	4638.2	4638.2	4638.2	4638.2	4638.2	4638.2
2.5°	4539.7	4546.2	4546.2	4552.8	4552.8	4572.5	4598.8	4625.1	4605.4	4631.7	4638.2
5°	4224.3	4257.2	4283.5	4382.0	4460.8	4526.5	4598.8	4664.5	4684.2	4697.4	4730.2
7.5°	3482.0	3573.9	3744.7	3968.1	4217.8	4460.8	4625.1	4795.9	4822.2	4855.0	4901.0
10°	2962.9	3002.4	3120.6	3350.6	3797.3	4276.9	4677.6	4947.0	5058.7	5124.4	5170.4
12.5°	3048.4	3022.1	3002.4	3035.2	3324.3	3941.8	4644.8	5163.8	5374.0	5446.3	5505.4
15°	3252.0	3225.7	3153.5	3061.5	3094.3	3587.1	4533.1	5367.5	5702.5	5820.8	5945.6
17.5°	3370.3	3344.0	3284.9	3186.3	3100.9	3291.4	4322.9	5551.4	6221.5	6366.1	6543.4
20°	3436.0	3409.7	3350.6	3252.0	3153.5	3179.7	4053.5	5781.4	6812.8	7042.7	7305.5
22.5°	3449.1	3416.3	3350.6	3252.0	3192.9	3173.2	3797.3	5919.3	7450.1	7804.8	8107.0
25°	3442.5	3383.4	3298.0	3225.7	3192.9	3186.3	3619.9	5998.2	8139.9	8704.9	9046.5
27.5°	3396.5	3324.3	3238.9	3186.3	3173.2	3212.6	3541.1	6090.1	8948.0	9670.6	10215.9
30°	3344.0	3238.9	3133.8	3114.0	3146.9	3271.7	3606.8	6123.0	9795.5	10721.8	11280.2
32.5°	3206.0	3127.2	3022.1	3015.5	3094.3	3317.7	3757.9	6077.0	10544.4	11772.9	12475.9
35°	3008.9	2962.9	2903.8	2923.5	3048.4	3357.1	3863.0	5932.5	11227.7	12751.8	13573.1
37.5°	2660.7	2693.6	2726.4	2772.4	2930.1	3350.6	3909.0	5702.5	11792.7	13533.6	14584.8
40°	2273.1	2384.8	2489.9	2608.2	2818.4	3298.0	3922.1	5420.0	12121.1	14124.9	15484.8
42.5°	2030.0	2135.2	2266.6	2437.4	2667.3	3179.7	3909.0	5104.7	12226.3	14532.2	16056.4
45°	1806.7	1931.5	2095.7	2273.1	2535.9	3008.9	3790.7	4763.1	12278.8	14722.8	16299.5
47.5°	1688.4	1760.7	1911.8	2089.2	2365.1	2798.7	3560.8	4513.4	12200.0	14762.2	16595.1
50°	1550.5	1649.0	1747.5	1918.4	2187.7	2535.9	3284.9	4368.9	12331.4	15149.8	17061.6
52.5°	1445.3	1497.9	1603.0	1760.7	1957.8	2292.8	3022.1	4250.6	12692.7	15544.0	17547.7
55°	1366.5	1425.6	1491.3	1622.7	1773.8	2049.8	2752.7	4073.2	13113.2	15964.4	18033.9
57.5°	1241.7	1281.1	1373.1	1511.0	1609.6	1813.2	2437.4	3863.0	13080.3	15635.9	17193.0
60°	*1130.0*	*1169.4*	*1268.0*	*1405.9*	*1465.0*	*1603.0*	*2128.6*	*3593.6*	*12449.6*	*14565.1*	*15642.5*
62.5°	1005.2	1051.2	1169.4	1268.0	1320.5	1425.6	1806.7	3100.9	11135.7	12955.5	13829.3
65°	952.6	978.9	1057.7	1176.0	1169.4	1268.0	1524.2	2437.4	8961.1	9900.6	10695.5
67.5°	1011.7	1051.2	1038.0	1070.9	1051.2	1103.7	1366.5	1957.8	7042.7	7456.6	7916.5
70°	998.6	1090.6	1136.6	1070.9	919.8	978.9	1182.6	1563.6	5039.0	4999.6	4979.9
72.5°	873.8	965.7	1097.1	1162.8	900.1	814.6	1024.9	1353.4	3232.3	3219.2	2910.4
75°	742.4	808.1	965.7	1051.2	775.2	657.0	880.3	1149.7	1931.5	1957.8	1747.5
77.5°	683.3	650.4	808.1	926.3	630.7	505.9	709.5	867.2	1064.3	1077.4	998.6
80°	492.7	473.0	604.4	676.7	479.6	361.3	400.8	538.7	571.6	512.4	532.1
82.5°	315.3	321.9	361.3	433.6	295.6	197.1	275.9	361.3	308.8	249.6	295.6
85°	203.7	229.9	190.5	223.4	92.0	92.0	118.3	157.7	105.1	72.3	78.8
87.5°	0.0	0.0	13.1	26.3	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: P1501411
CATALOG NUMBER: GSS-SB4C-730-U-T2LG

CANDELA DISTRIBUTION (continued):

	285°	293°	295°	305°	315°	325°	335°	345°	355°	360°
0°	4638.2	4638.2	*4638.2*	4638.2	4638.2	4638.2	4638.2	4638.2	4638.2	4638.2
2.5°	4657.9	4651.4	*4651.4*	4664.5	4697.4	4710.5	4730.2	4723.6	4743.3	4730.2
5°	4749.9	4756.5	*4776.2*	4782.8	4802.5	4828.7	4835.3	4828.7	4841.9	4841.9
7.5°	4933.9	4960.1	*4947.0*	4979.9	4953.6	4920.7	4868.2	4828.7	4795.9	4809.0
10°	5242.6	5229.5	*5222.9*	5163.8	5045.5	4874.7	4736.8	4585.7	4559.4	4533.1
12.5°	5584.3	5571.1	*5571.1*	5367.5	5032.4	4677.6	4362.3	4125.8	4047.0	4040.4
15°	6063.9	5978.4	*5899.6*	5472.6	4802.5	4198.1	3830.1	3646.2	3600.2	3600.2
17.5°	6661.7	6438.3	*6306.9*	5393.7	4428.0	3882.7	3665.9	3619.9	3606.8	3639.6
20°	7404.1	6839.1	*6648.6*	5216.4	4290.0	3922.1	3817.0	3823.6	3830.1	3876.1
22.5°	8218.7	7207.0	*6891.6*	5216.4	4428.0	4171.8	4119.2	4191.5	4211.2	4250.6
25°	9125.3	7535.5	*7108.4*	5492.3	4835.3	4644.8	4579.1	4651.4	4703.9	4769.6
27.5°	10143.7	7877.1	*7482.9*	5991.6	5360.9	5242.6	5170.4	5203.2	5275.5	5354.3
30°	11056.8	8448.7	*8054.5*	6753.7	6077.0	5932.5	5807.6	5860.2	5939.0	5991.6
32.5°	11864.9	9145.1	*8810.0*	7555.2	6898.2	6648.6	6510.6	6497.5	6655.1	6615.7
35°	12607.3	9966.3	*9644.4*	8468.4	7732.6	7423.8	7239.8	7476.3	7371.2	7410.6
37.5°	13192.0	10820.3	*10564.1*	9342.1	8599.8	8179.3	8067.6	8356.7	8520.9	8566.9
40°	13671.6	11562.7	*11293.4*	10209.4	9394.7	9085.9	9263.3	9742.9	9723.2	9703.5
42.5°	14039.5	12200.0	*11904.3*	10866.3	10156.8	10215.9	10353.9	10675.8	10754.6	10643.0
45°	14203.7	12600.7	*12364.2*	11385.3	11024.0	11365.6	11424.8	11562.7	11510.2	11437.9
47.5°	14394.3	12955.5	*12705.8*	11858.4	11963.5	12298.5	12180.3	12068.6	11878.1	11766.4
50°	14716.2	13376.0	*13165.7*	12548.2	12929.2	12817.5	12357.7	12108.0	11720.4	11589.0
52.5°	15327.2	14170.9	*14013.2*	13638.7	13382.5	12738.7	12180.3	11733.5	11299.9	11122.5
55°	15872.5	15248.3	*15156.4*	14657.1	13244.6	12324.8	11575.9	10886.0	10143.7	9992.6
57.5°	16187.8	17035.3	*17140.4*	15090.7	12613.9	11385.3	10281.6	9177.9	8474.9	8350.1
60°	*15248.3*	*18966.8*	*19019.4*	*15005.3*	*11477.3*	*9690.3*	*8008.5*	*7226.7*	*6471.2*	*6254.4*
62.5°	13954.1	18566.0	*18520.1*	14492.8	9138.5	7069.0	6083.6	5715.7	5131.0	4953.6
65°	11996.3	15465.1	*15517.7*	12521.9	6077.0	5111.2	5111.2	4644.8	3994.4	3869.6
67.5°	9775.8	11924.1	*11805.8*	8120.2	3731.6	4092.9	4290.0	3619.9	2706.7	2555.6
70°	6352.9	9105.6	*8941.4*	4684.2	2345.4	3409.7	3376.8	2719.9	1938.1	1833.0
72.5°	2733.0	5262.3	*5597.4*	2391.4	1767.3	2746.1	2693.6	1905.2	1294.2	1248.2
75°	1649.0	2647.6	*2884.1*	1524.2	1287.7	2069.5	1865.8	1208.8	880.3	847.5
77.5°	1044.6	1451.9	*1438.8*	1143.1	965.7	1399.4	1254.8	834.4	597.8	571.6
80°	604.4	716.1	*742.4*	716.1	650.4	998.6	801.5	604.4	466.5	433.6
82.5°	387.6	446.7	*453.3*	348.2	361.3	643.8	433.6	354.8	269.4	243.1
85°	170.8	190.5	*184.0*	118.3	118.3	262.8	151.1	144.5	105.1	105.1
87.5°	6.6	13.1	*6.6*	6.6	6.6	26.3	13.1	19.7	19.7	19.7
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: SP1-2407-184-4

Test Date: 10/10/2024

Luminaire Tested: GSS-SB1A-730-U-5WQ

Data in this report applies to families of products including GSS-SB1A-730-U-5WQ

Report Generated By FNC07603 / LDUCLS01DT446
Version: v7.04

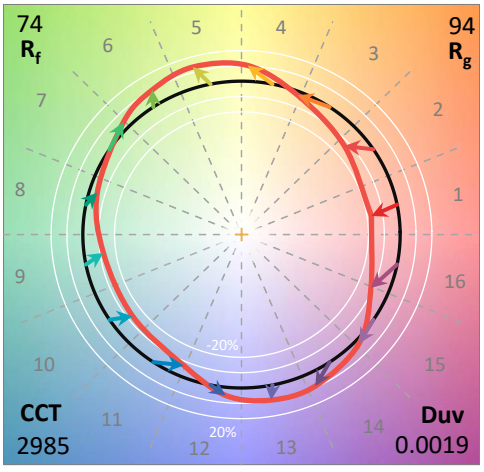
Test Information

Test Method:	LM-79-2019
Report Number:	SP1-2407-184-4
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-730-U-5WQ**
Description:	GALLEON II SITE SLIM 1SQ 350MA 5WQ HIGH DENSITY LIGHTSQUARE WITH 70 CRI 3000K CCT 26 LEDS

Spectral Parameters

CCT (K):	2985
CIE u':	0.2504
CIE v':	0.5243
Duv:	0.0019
CIE x:	0.4408
CIE y:	0.4101
CIE z:	0.1491
Peak Wavelength (nm):	595
Dominant Wavelength (nm):	582
Purity:	55.41818
Rf:	73.8
Rg:	94.4

CRI (Ra):	70.8
R1:	66.3
R2:	80.6
R3:	94.5
R4:	68.2
R5:	66.5
R6:	74.7
R7:	76.2
R8:	39.6
R9:	-43.2
R10:	57.6
R11:	64.8
R12:	53.5
R13:	68.7
R14:	97.0
R15:	56.4



Test Conditions

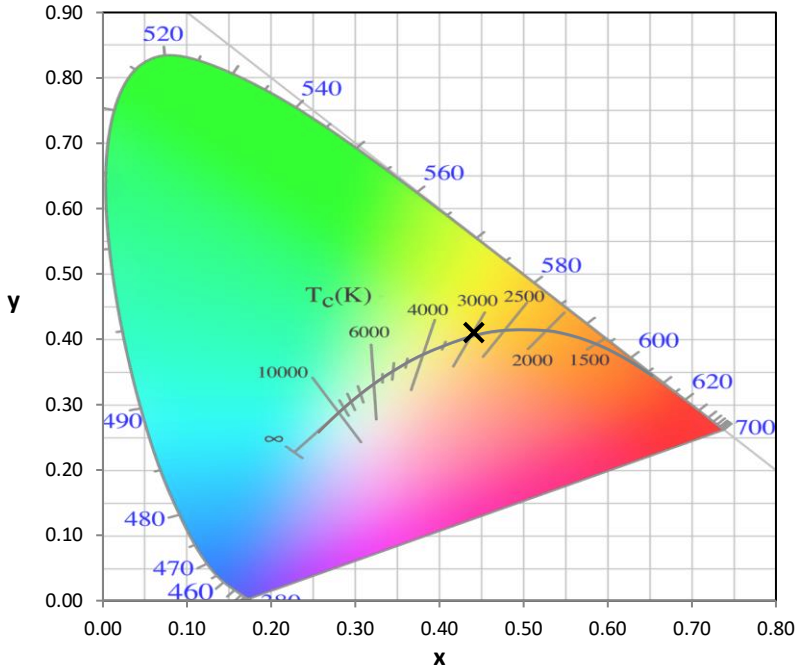
Stabilization Time:	36M
Operation Time:	1H 36M
Sphere Temperature (°C):	25.2

REPORT NUMBER: SP1-2407-184-4

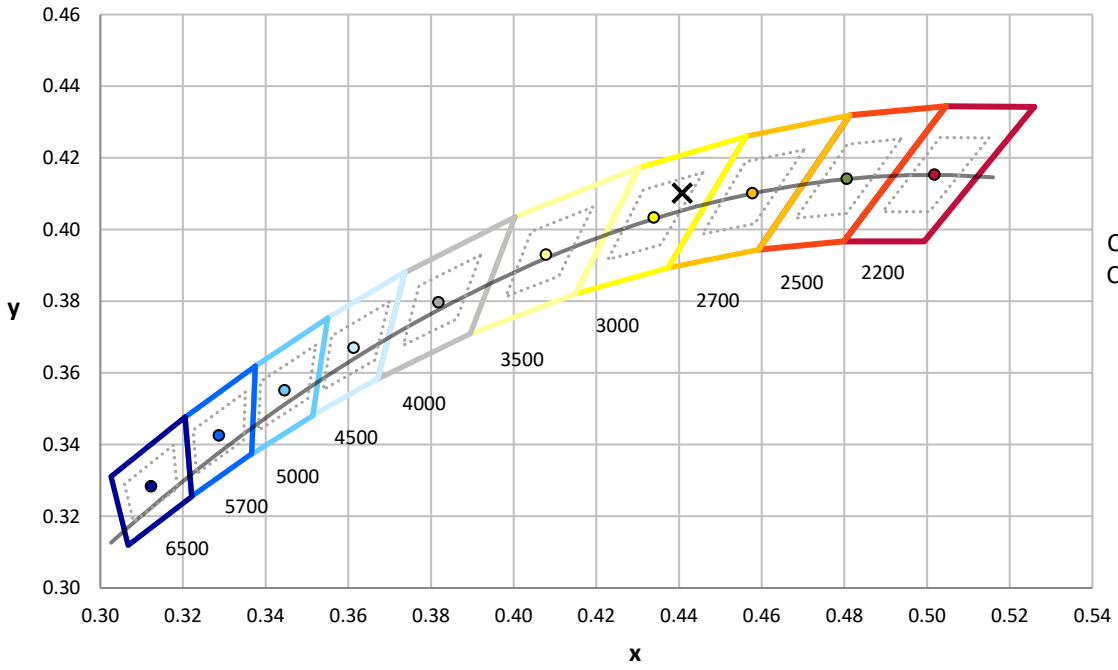
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

REPORT NUMBER: SP1-2407-184-4

CIE 1931 Chromaticity Diagram



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

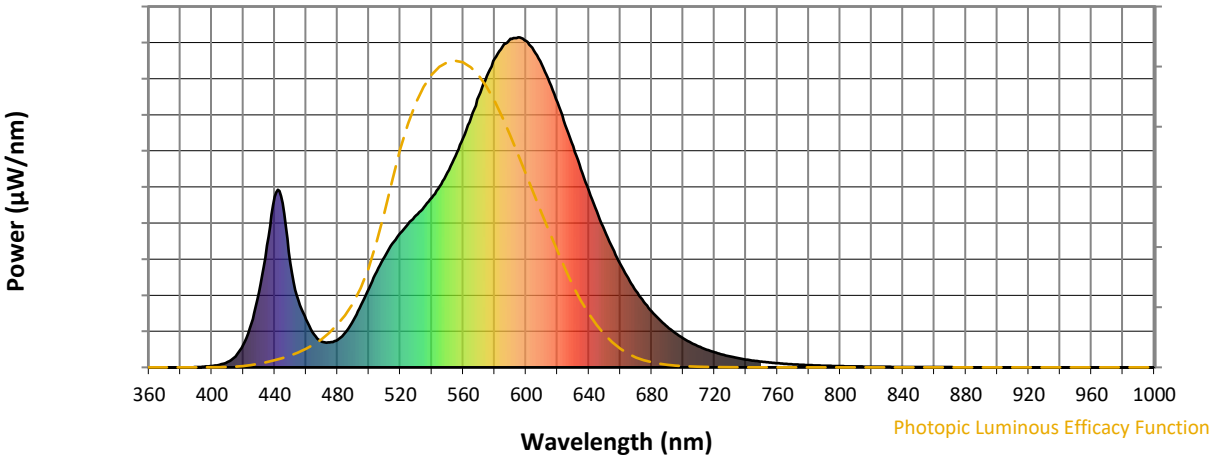


CCT = 2985K
CIE x = 0.4408
CIE y = 0.4101
Duv = 0.0019

Point lies inside the ANSI 3000K 4-step quadrangle

REPORT NUMBER: SP1-2407-184-4

Photopic Flux vs. Wavelength

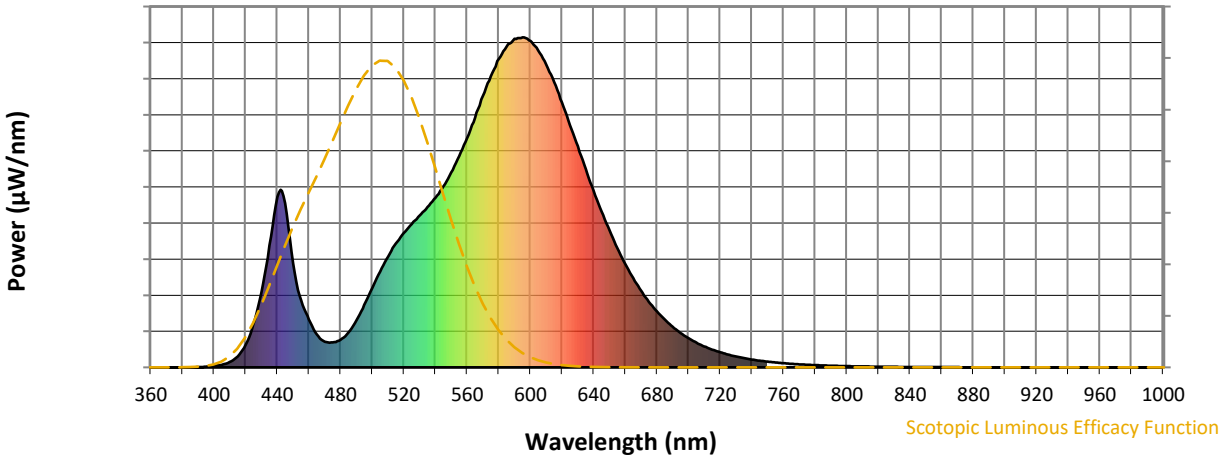


Photopic Lumens: NR

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	142	NR	620	803	NR	750	17	NR	880	0	NR
365	0	NR	495	189	NR	625	734	NR	755	15	NR	885	0	NR
370	0	NR	500	240	NR	630	670	NR	760	13	NR	890	0	NR
375	0	NR	505	290	NR	635	600	NR	765	11	NR	895	0	NR
380	0	NR	510	335	NR	640	535	NR	770	9	NR	900	0	NR
385	0	NR	515	375	NR	645	473	NR	775	8	NR	905	0	NR
390	1	NR	520	408	NR	650	415	NR	780	7	NR	910	0	NR
395	2	NR	525	434	NR	655	362	NR	785	6	NR	915	0	NR
400	4	NR	530	461	NR	660	313	NR	790	5	NR	920	0	NR
405	8	NR	535	486	NR	665	271	NR	795	4	NR	925	0	NR
410	16	NR	540	514	NR	670	231	NR	800	4	NR	930	0	NR
415	33	NR	545	549	NR	675	198	NR	805	3	NR	935	0	NR
420	69	NR	550	591	NR	680	169	NR	810	3	NR	940	0	NR
425	131	NR	555	640	NR	685	144	NR	815	2	NR	945	0	NR
430	227	NR	560	695	NR	690	123	NR	820	2	NR	950	0	NR
435	369	NR	565	757	NR	695	104	NR	825	2	NR	955	0	NR
440	517	NR	570	822	NR	700	88	NR	830	2	NR	960	0	NR
445	498	NR	575	882	NR	705	75	NR	835	1	NR	965	0	NR
450	315	NR	580	935	NR	710	63	NR	840	1	NR	970	0	NR
455	204	NR	585	972	NR	715	54	NR	845	1	NR	975	0	NR
460	145	NR	590	996	NR	720	46	NR	850	1	NR	980	0	NR
465	100	NR	595	1000	NR	725	39	NR	855	1	NR	985	0	NR
470	78	NR	600	989	NR	730	33	NR	860	1	NR	990	0	NR
475	76	NR	605	960	NR	735	28	NR	865	1	NR	995	0	NR
480	83	NR	610	918	NR	740	24	NR	870	1	NR	1000	0	NR
485	105	NR	615	864	NR	745	20	NR	875	1	NR			

REPORT NUMBER: SP1-2407-184-4

Scotopic Flux vs. Wavelength

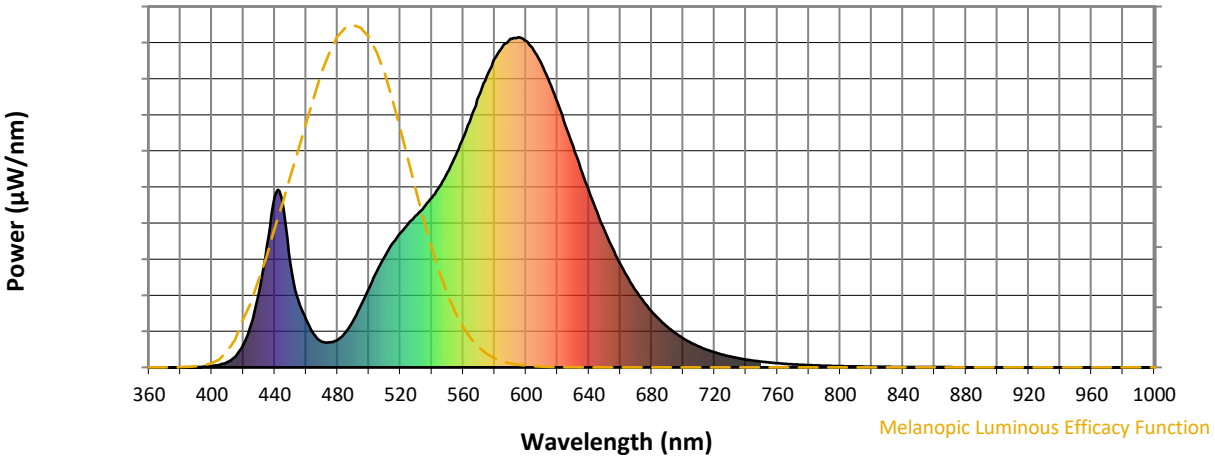


Scotopic Lumens: NR **S/P: 1.19**

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	142	NR	620	803	NR	750	17	NR	880	0	NR
365	0	NR	495	189	NR	625	734	NR	755	15	NR	885	0	NR
370	0	NR	500	240	NR	630	670	NR	760	13	NR	890	0	NR
375	0	NR	505	290	NR	635	600	NR	765	11	NR	895	0	NR
380	0	NR	510	335	NR	640	535	NR	770	9	NR	900	0	NR
385	0	NR	515	375	NR	645	473	NR	775	8	NR	905	0	NR
390	1	NR	520	408	NR	650	415	NR	780	7	NR	910	0	NR
395	2	NR	525	434	NR	655	362	NR	785	6	NR	915	0	NR
400	4	NR	530	461	NR	660	313	NR	790	5	NR	920	0	NR
405	8	NR	535	486	NR	665	271	NR	795	4	NR	925	0	NR
410	16	NR	540	514	NR	670	231	NR	800	4	NR	930	0	NR
415	33	NR	545	549	NR	675	198	NR	805	3	NR	935	0	NR
420	69	NR	550	591	NR	680	169	NR	810	3	NR	940	0	NR
425	131	NR	555	640	NR	685	144	NR	815	2	NR	945	0	NR
430	227	NR	560	695	NR	690	123	NR	820	2	NR	950	0	NR
435	369	NR	565	757	NR	695	104	NR	825	2	NR	955	0	NR
440	517	NR	570	822	NR	700	88	NR	830	2	NR	960	0	NR
445	498	NR	575	882	NR	705	75	NR	835	1	NR	965	0	NR
450	315	NR	580	935	NR	710	63	NR	840	1	NR	970	0	NR
455	204	NR	585	972	NR	715	54	NR	845	1	NR	975	0	NR
460	145	NR	590	996	NR	720	46	NR	850	1	NR	980	0	NR
465	100	NR	595	1000	NR	725	39	NR	855	1	NR	985	0	NR
470	78	NR	600	989	NR	730	33	NR	860	1	NR	990	0	NR
475	76	NR	605	960	NR	735	28	NR	865	1	NR	995	0	NR
480	83	NR	610	918	NR	740	24	NR	870	1	NR	1000	0	NR
485	105	NR	615	864	NR	745	20	NR	875	1	NR			

REPORT NUMBER: SP1-2407-184-4

Melanopic Flux vs. Wavelength



Melanopic Lumens: NR **M/P: 2.13**

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	142	NR	620	803	NR	750	17	NR	880	0	NR
365	0	NR	495	189	NR	625	734	NR	755	15	NR	885	0	NR
370	0	NR	500	240	NR	630	670	NR	760	13	NR	890	0	NR
375	0	NR	505	290	NR	635	600	NR	765	11	NR	895	0	NR
380	0	NR	510	335	NR	640	535	NR	770	9	NR	900	0	NR
385	0	NR	515	375	NR	645	473	NR	775	8	NR	905	0	NR
390	1	NR	520	408	NR	650	415	NR	780	7	NR	910	0	NR
395	2	NR	525	434	NR	655	362	NR	785	6	NR	915	0	NR
400	4	NR	530	461	NR	660	313	NR	790	5	NR	920	0	NR
405	8	NR	535	486	NR	665	271	NR	795	4	NR	925	0	NR
410	16	NR	540	514	NR	670	231	NR	800	4	NR	930	0	NR
415	33	NR	545	549	NR	675	198	NR	805	3	NR	935	0	NR
420	69	NR	550	591	NR	680	169	NR	810	3	NR	940	0	NR
425	131	NR	555	640	NR	685	144	NR	815	2	NR	945	0	NR
430	227	NR	560	695	NR	690	123	NR	820	2	NR	950	0	NR
435	369	NR	565	757	NR	695	104	NR	825	2	NR	955	0	NR
440	517	NR	570	822	NR	700	88	NR	830	2	NR	960	0	NR
445	498	NR	575	882	NR	705	75	NR	835	1	NR	965	0	NR
450	315	NR	580	935	NR	710	63	NR	840	1	NR	970	0	NR
455	204	NR	585	972	NR	715	54	NR	845	1	NR	975	0	NR
460	145	NR	590	996	NR	720	46	NR	850	1	NR	980	0	NR
465	100	NR	595	1000	NR	725	39	NR	855	1	NR	985	0	NR
470	78	NR	600	989	NR	730	33	NR	860	1	NR	990	0	NR
475	76	NR	605	960	NR	735	28	NR	865	1	NR	995	0	NR
480	83	NR	610	918	NR	740	24	NR	870	1	NR	1000	0	NR
485	105	NR	615	864	NR	745	20	NR	875	1	NR			

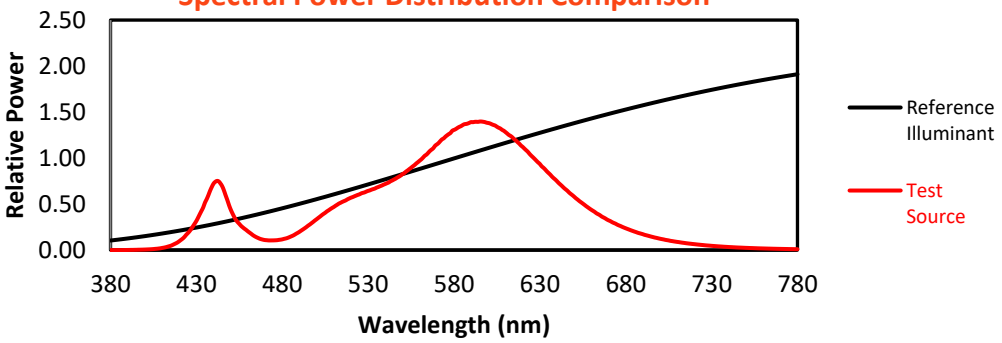
REPORT NUMBER: SP1-2407-184-4

TM-30-18

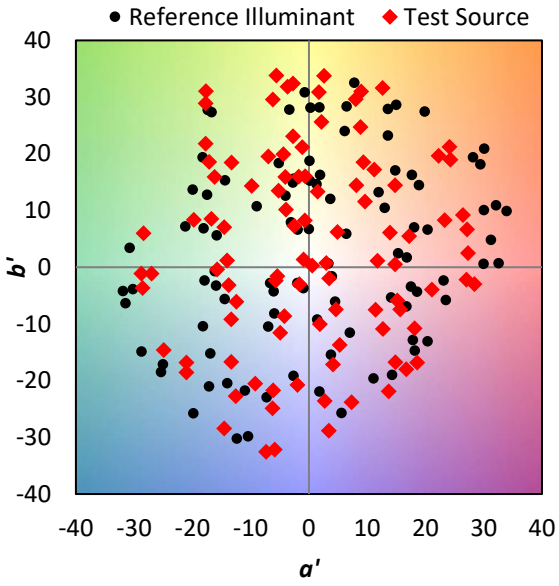
Summary

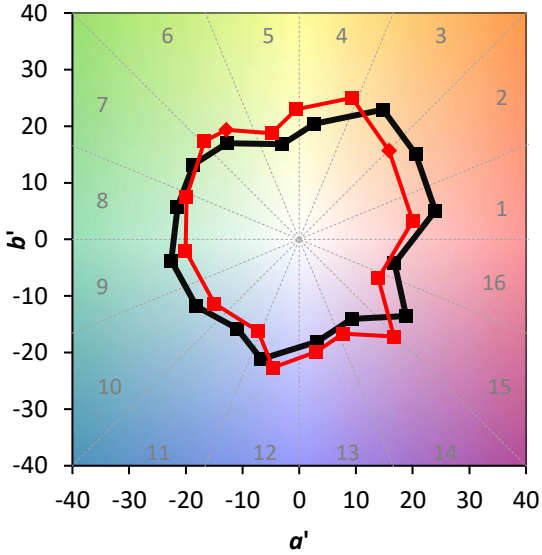
R_f = 73.8
R_g = 94.4
CIE R_a = 70.8
R_9 = -43.2

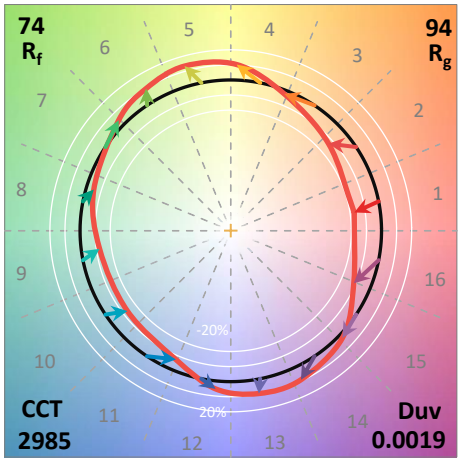
Spectral Power Distribution Comparison

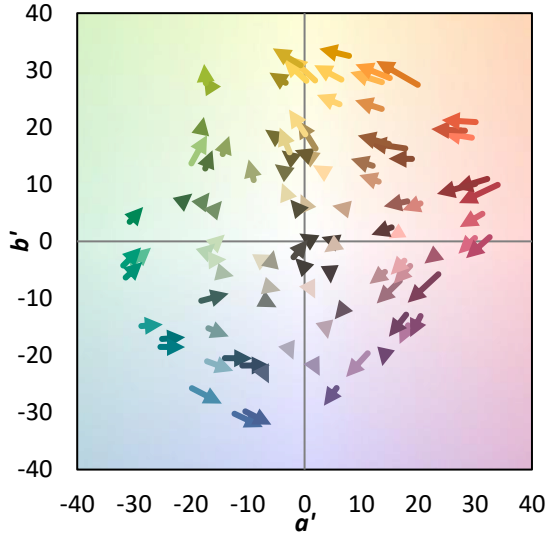


Color Vector Graphics







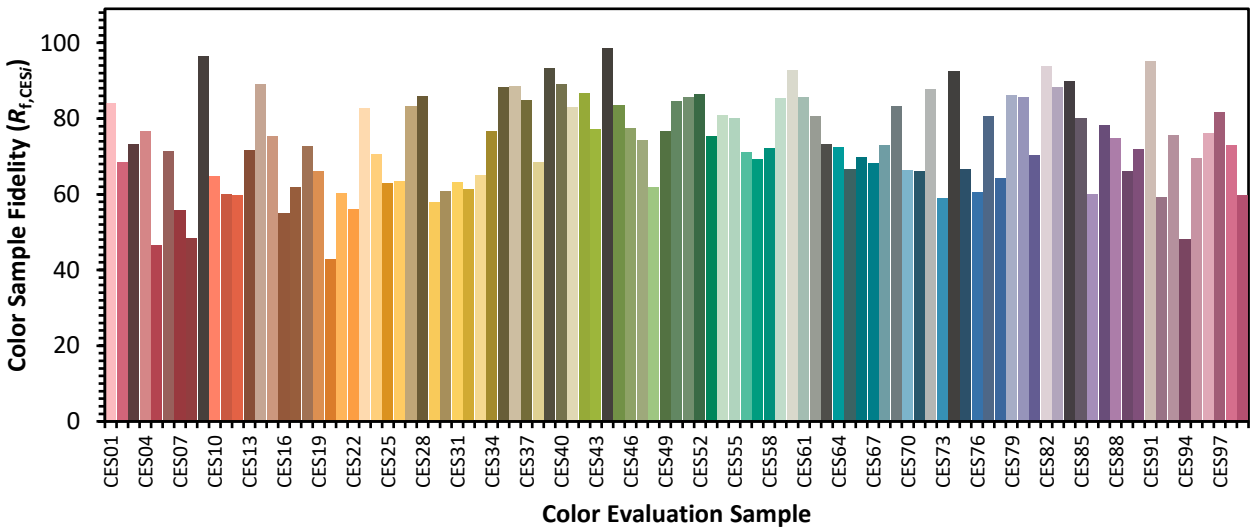


REPORT NUMBER: SP1-2407-184-4

TM-30-18

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

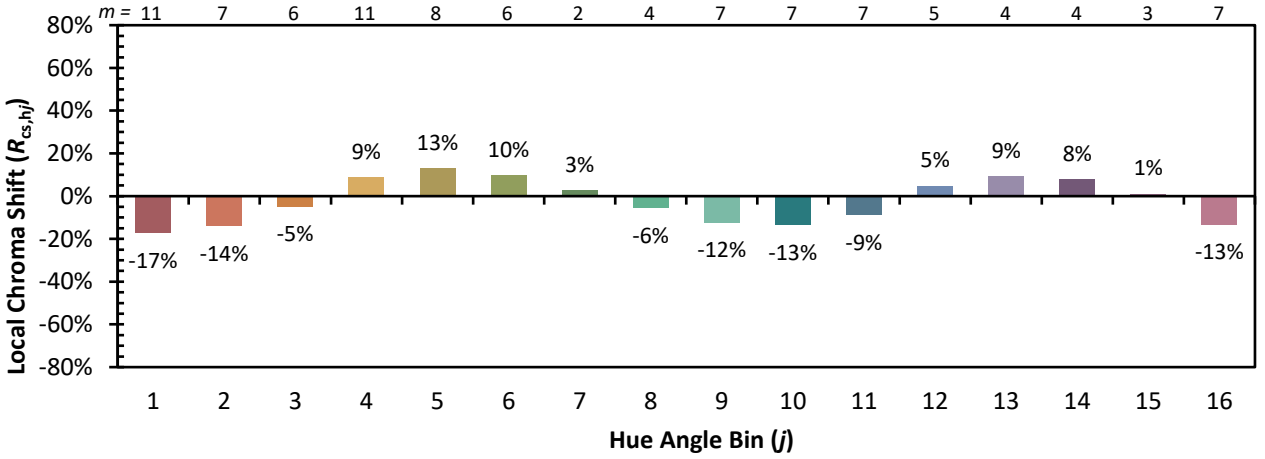
CES01 = 86	CES26 = 63	CES51 = 86	CES76 = 61
CES02 = 62	CES27 = 83	CES52 = 86	CES77 = 81
CES03 = 31	CES28 = 86	CES53 = 75	CES78 = 64
CES04 = 71	CES29 = 58	CES54 = 81	CES79 = 86
CES05 = 49	CES30 = 61	CES55 = 80	CES80 = 86
CES06 = 51	CES31 = 63	CES56 = 71	CES81 = 70
CES07 = 41	CES32 = 61	CES57 = 69	CES82 = 94
CES08 = 40	CES33 = 65	CES58 = 72	CES83 = 88
CES09 = 29	CES34 = 77	CES59 = 85	CES84 = 90
CES10 = 76	CES35 = 88	CES60 = 93	CES85 = 80
CES11 = 59	CES36 = 89	CES61 = 86	CES86 = 60
CES12 = 65	CES37 = 85	CES62 = 81	CES87 = 78
CES13 = 43	CES38 = 69	CES63 = 73	CES88 = 75
CES14 = 74	CES39 = 93	CES64 = 72	CES89 = 66
CES15 = 71	CES40 = 89	CES65 = 67	CES90 = 72
CES16 = 47	CES41 = 83	CES66 = 70	CES91 = 95
CES17 = 50	CES42 = 87	CES67 = 68	CES92 = 59
CES18 = 56	CES43 = 77	CES68 = 73	CES93 = 76
CES19 = 73	CES44 = 99	CES69 = 83	CES94 = 48
CES20 = 66	CES45 = 83	CES70 = 66	CES95 = 70
CES21 = 87	CES46 = 77	CES71 = 66	CES96 = 76
CES22 = 79	CES47 = 74	CES72 = 88	CES97 = 82
CES23 = 92	CES48 = 62	CES73 = 59	CES98 = 73
CES24 = 91	CES49 = 77	CES74 = 93	CES99 = 60
CES25 = 73	CES50 = 85	CES75 = 67	

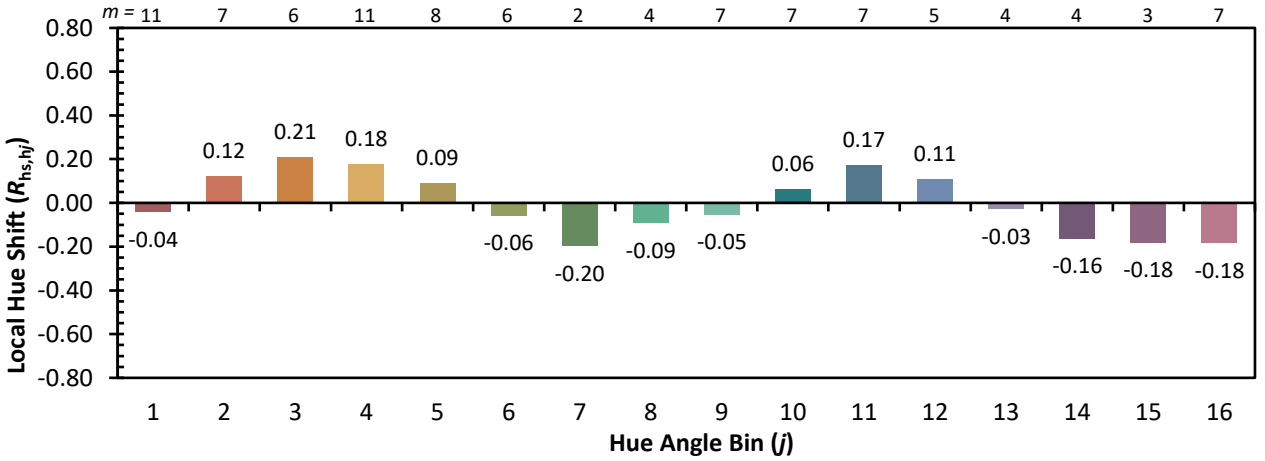


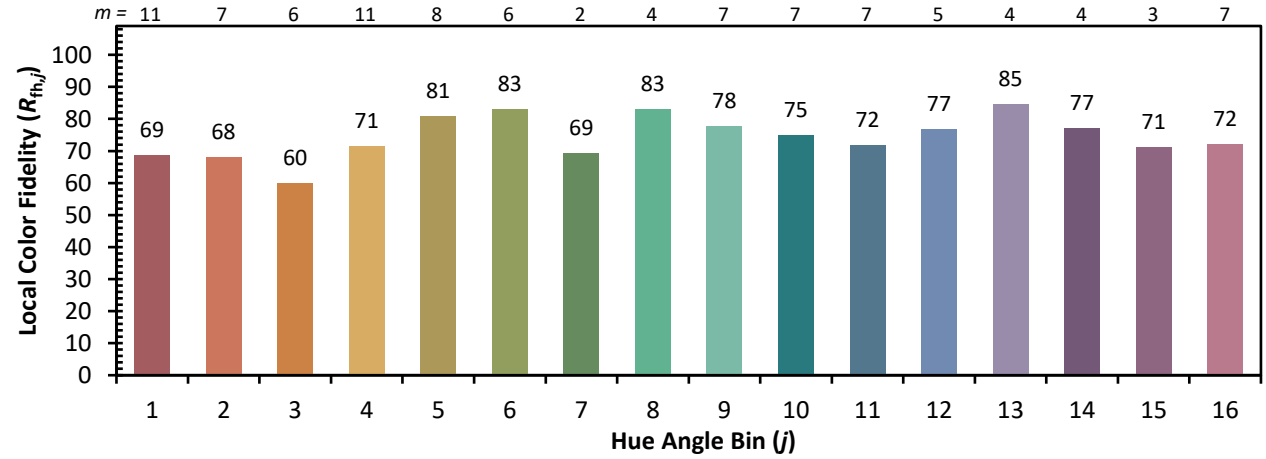
REPORT NUMBER: SP1-2407-184-4

TM-30-18

Color Rendition by Hue-Angle Bin



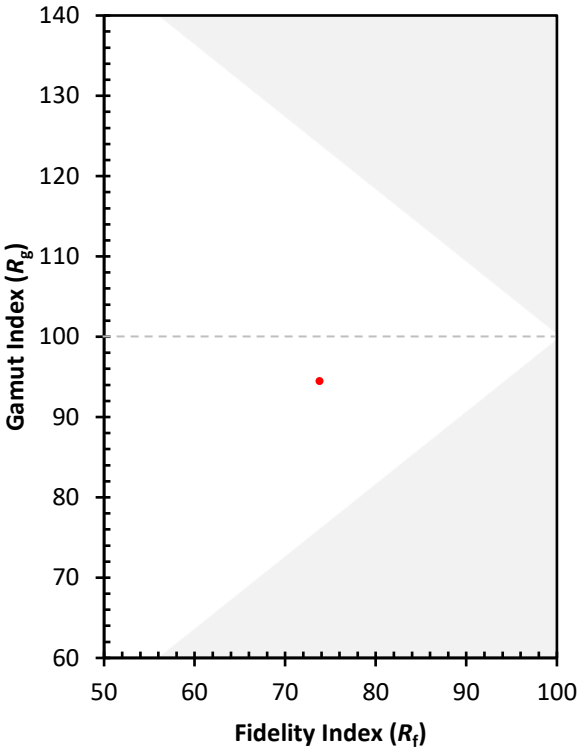


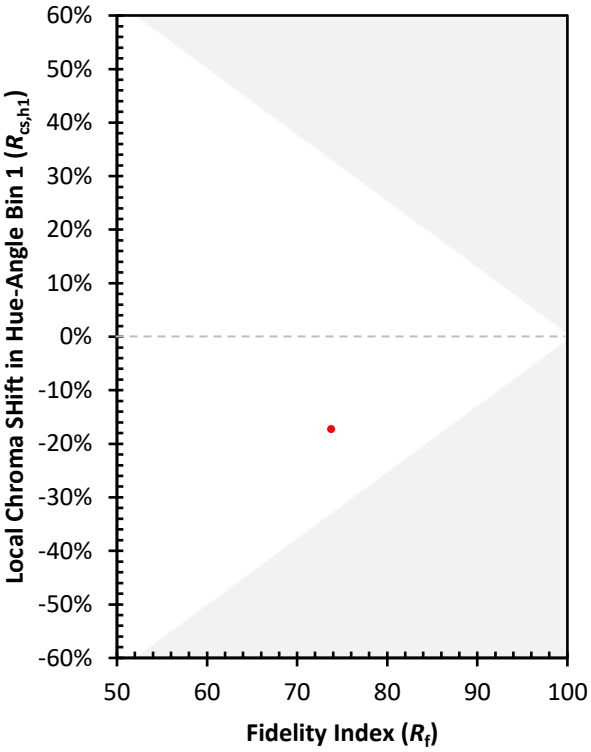


REPORT NUMBER: SP1-2407-184-4

TM-30-18

Measure Comparisons





(END OF REPORT)