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: P1501452

Luminaire Tested: GSS-SB2D-750-U-T2LG

Issue Date: 07/20/2026

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Scaled Data Report

Test Information

Test Method:	LM-79-2024
Report Number:	P1501452
Test Lab:	INNOVATION CENTER(G1)
Issue Date:	7/20/2026
Manufacturer:	COOPER LIGHTING SOLUTIONS
Product Line:	McGRAW-EDISON
Catalog Number:	GSS-SB2D-750-U-T2LG
Description:	GALLEON II SLIM SITE HIGH DENSITY LED ARRAYS 2SQUARE 147W 70CRI 5000K FIXTURE w/ TYPE II LOW GLARE DISTRIBUTION FIXTURE
Light Source:	(52) 5000K CCT, 70 CRI LEDS
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	20021.4 lumens
Efficiency:	N/A
Efficacy:	136.2 lumens/watt
Luminous Opening:	Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification:	Type II - Short
BUG Rating:	B3 - U0 - G3

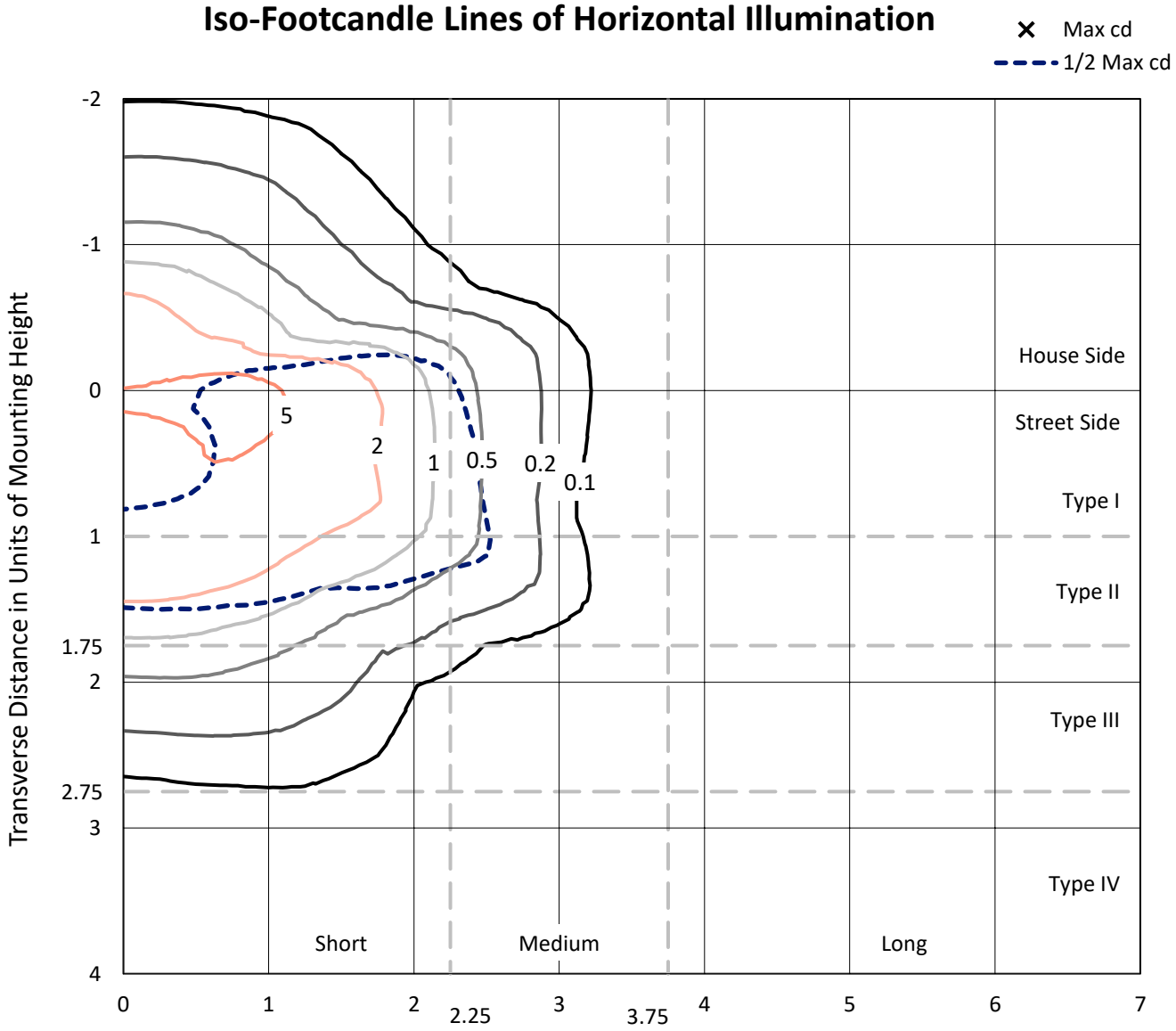
Input Watts (W):	147
Input Voltage (V):	120
Input Current (Ain):	NR
Voltage Rise (V):	NR
Power Factor:	0.98
Total Harmonic Distortion (THDi):	3.1%
Frequency (hertz):	60
Stabilization Time:	NR
Operation Time:	NR
Ambient Temperature (°C):	NR
Test Distance:	28.75 FT

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Iso-Footcandle Lines of Horizontal Illumination



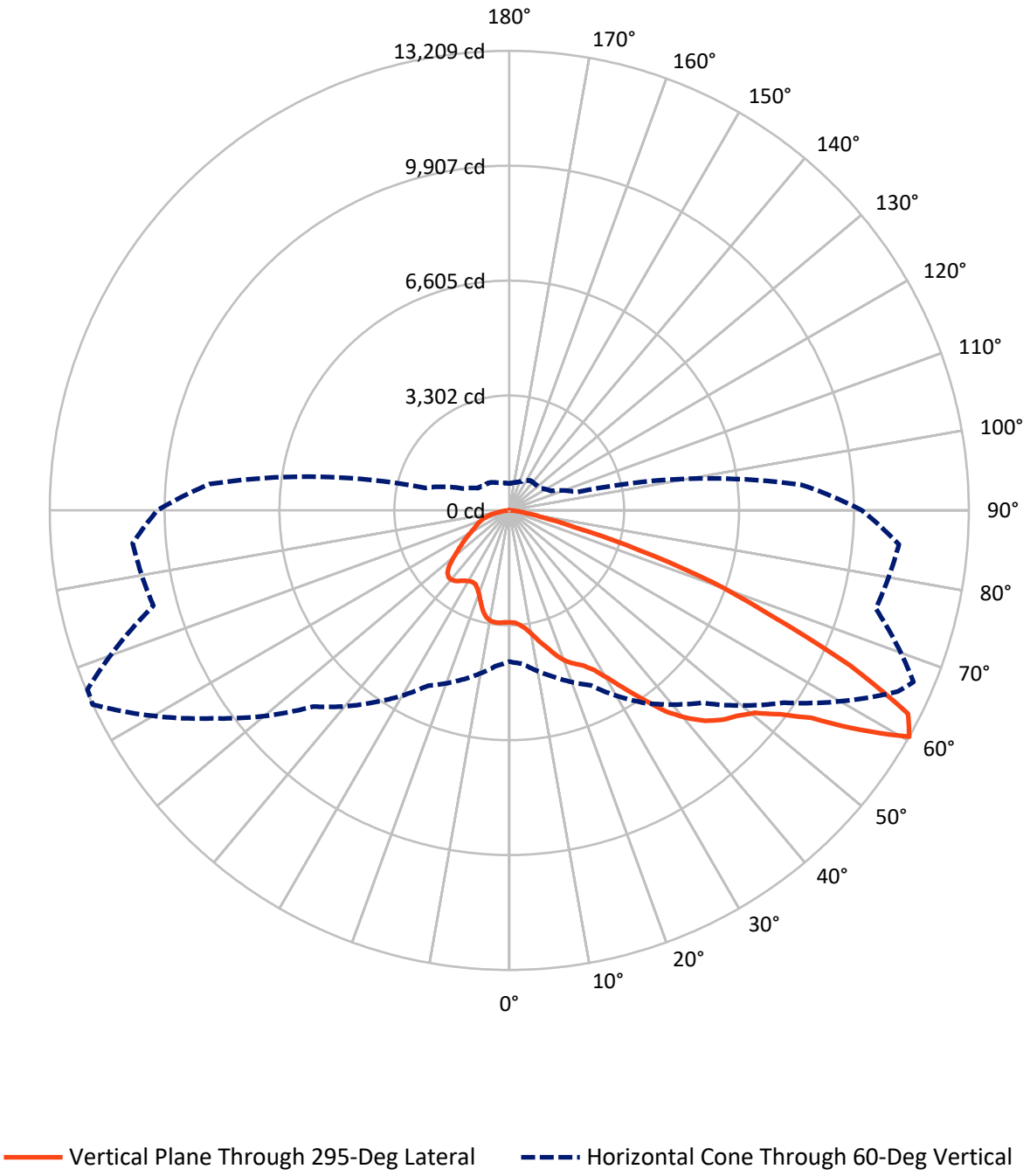
Based on 25 foot mounting height. Maximum calculated value = 7.8 fc
Type II - Short - N/A

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Luminous Intensity Polar Plot



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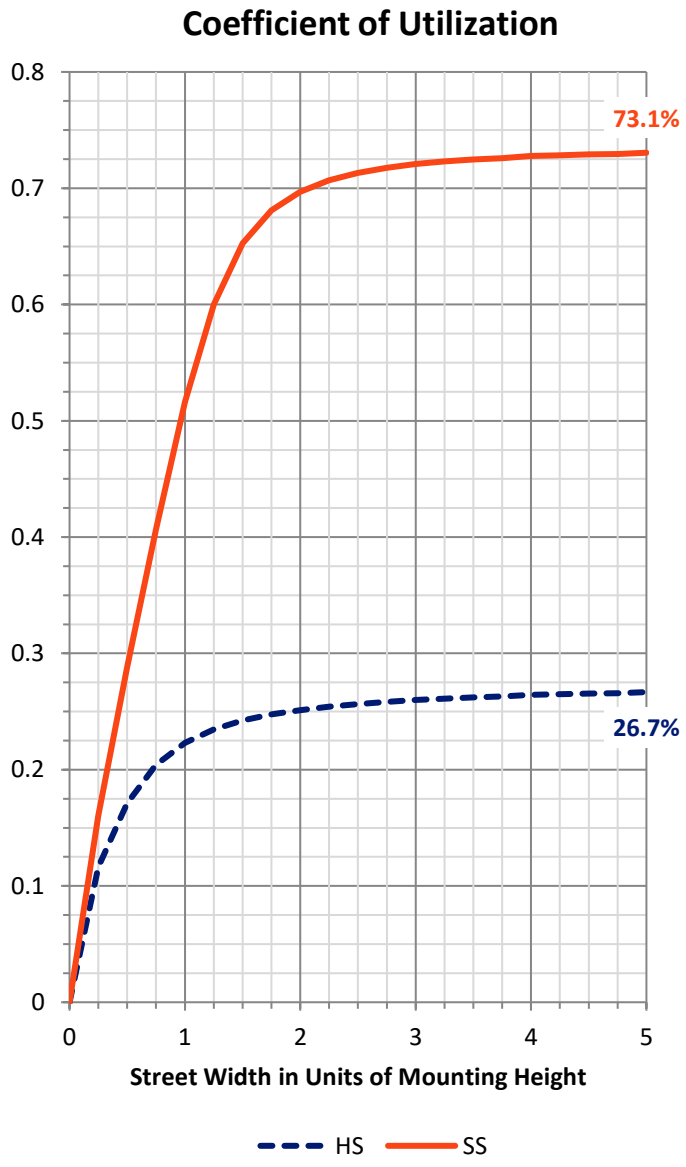
REPORT NUMBER: P1501452
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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	5384.0	0.0	5384.0
	% Fixture	26.9	0.0	26.9
Street Side	Lumens	14637.4	0.0	14637.4
	% Fixture	73.1	0.0	73.1
Total	Lumens	20021.4	0.0	20021.4
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	302.9	1.5
10°-20°	870.7	4.3
20°-30°	1649.2	8.2
30°-40°	2907.5	14.5
40°-50°	4299.9	21.5
50°-60°	5049.2	25.2
60°-70°	3658.4	18.3
70°-80°	1128.2	5.6
80°-90°	155.3	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°	20021.4	100.0
0°-180°	20021.4	100.0



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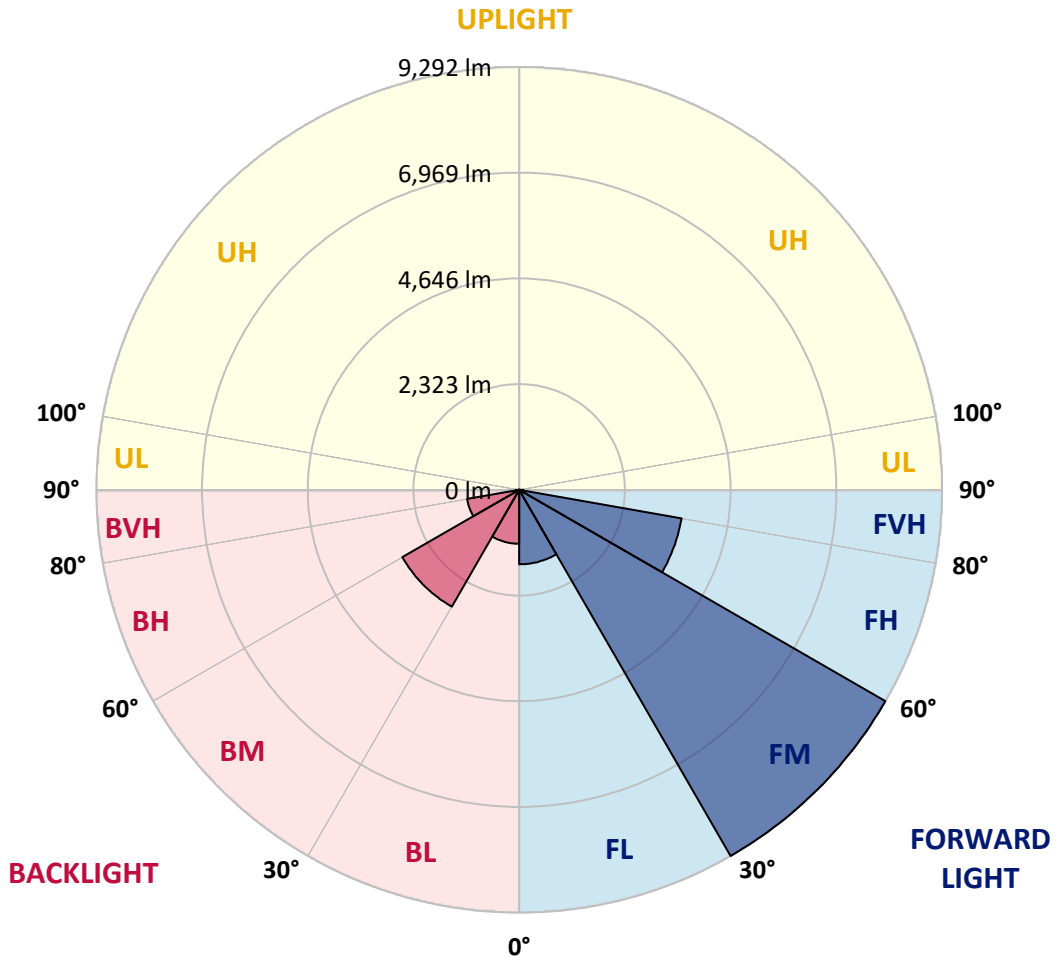
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	1637.1	8.2			
FM	(30°-60°)	9292.0	46.4			
FH	(60°-80°)	3624.5	18.1			G2/5000
FVH	(80°-90°)	83.8	0.4			G1/100
BL	(0°-30°)	1185.7	5.9	B3/2500		
BM	(30°-60°)	2964.6	14.8	B3/5000		
BH	(60°-80°)	1162.1	5.8	B3/2500		G3/2500
BVH	(80°-90°)	71.5	0.4			G1/100
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°	3221.3	3221.3	3221.3	3221.3	3221.3	3221.3	3221.3	3221.3	3221.3	3221.3	3221.3
2.5°	3285.2	3294.3	3280.7	3289.8	3289.8	3276.1	3271.5	3253.3	3262.4	3257.8	3253.3
5°	3362.8	3367.4	3358.2	3371.9	3371.9	3376.5	3371.9	3349.1	3349.1	3349.1	3340.0
7.5°	3340.0	3340.0	3344.5	3390.2	3435.8	3495.1	3495.1	3486.0	3495.1	3490.5	3449.5
10°	3148.3	3166.6	3207.7	3321.7	3431.2	3559.0	3645.7	3673.1	3673.1	3677.6	3609.2
12.5°	2806.1	2819.8	2915.6	3089.0	3317.2	3549.9	3759.8	3896.6	3910.3	3933.1	3841.9
15°	2500.4	2509.5	2578.0	2755.9	3016.0	3426.7	3823.6	4106.5	4152.2	4248.0	4111.1
17.5°	2527.8	2523.2	2541.5	2609.9	2797.0	3225.9	3809.9	4352.9	4435.1	4603.9	4485.2
20°	2692.1	2692.1	2705.7	2719.4	2787.9	3079.9	3709.6	4553.7	4713.4	5041.9	4905.0
22.5°	2952.1	2952.1	2947.6	2970.4	2970.4	3143.8	3714.1	4704.3	4941.5	5530.1	5397.8
25°	3312.6	3294.3	3294.3	3303.5	3262.4	3385.6	3828.2	4859.4	5169.7	6109.6	5995.5
27.5°	3718.7	3732.4	3723.3	3691.3	3636.6	3732.4	4102.0	5101.2	5425.2	6721.0	6675.4
30°	4161.3	4165.8	4175.0	4156.7	4111.1	4179.5	4530.9	5466.2	5762.8	7359.8	7460.2
32.5°	4594.7	4658.6	4635.8	4590.2	4608.4	4731.6	5060.2	5959.0	6264.7	7953.0	8308.9
35°	5146.8	5169.7	5260.9	5092.1	5096.7	5306.5	5735.5	6606.9	6903.5	8569.0	9157.6
37.5°	5949.9	5991.0	5949.9	5685.3	5644.2	5936.2	6392.5	7245.7	7460.2	9034.4	9946.9
40°	6739.3	6789.5	6857.9	6547.6	6287.6	6529.4	7013.0	7734.0	7957.5	9289.9	10471.6
42.5°	7391.8	7473.9	7400.9	7309.6	7072.4	7118.0	7446.5	8112.7	8336.3	9613.8	11000.9
45°	7943.9	7957.5	7989.5	7925.6	7807.0	7765.9	7816.1	8445.8	8692.2	9759.9	11261.0
47.5°	8172.0	8231.3	8258.7	8368.2	8491.4	8409.3	8130.9	8600.9	8824.5	9750.7	11343.1
50°	8048.8	8108.1	8254.1	8514.2	8810.8	8956.8	8500.5	8815.3	9066.3	9915.0	11512.0
52.5°	7724.8	7788.7	8026.0	8322.6	8819.9	9153.0	9020.7	9262.5	9504.3	10207.0	11794.9
55°	6940.0	7035.9	7368.9	7861.7	8546.1	9048.1	9568.2	9919.5	10184.2	10558.3	12086.9
57.5°	5799.3	5899.7	6273.9	7013.0	8039.7	8614.6	9727.9	11151.5	11270.1	10978.1	12114.3
60°	*4343.8*	*4425.9*	*4955.2*	*5548.4*	*6753.0*	*7820.7*	*9636.7*	*12319.6*	*12620.7*	*10905.1*	*11242.8*
62.5°	3440.4	3540.7	4010.7	4284.5	5146.8	6460.9	9317.3	12643.5	12903.6	10302.8	10029.1
65°	2687.5	2755.9	3194.0	3586.4	3796.3	4412.2	7984.9	11060.3	11293.0	9321.8	8276.9
67.5°	1774.9	1879.9	2400.0	2938.4	3048.0	2806.1	5493.6	8509.6	8619.1	7410.0	6223.7
70°	1273.0	1323.2	1711.1	2286.0	2450.2	1879.9	2993.2	6442.7	6474.6	4973.5	4193.2
72.5°	866.9	876.1	1163.5	1752.1	1952.9	1364.3	1647.2	4243.4	4133.9	2454.8	2400.0
75°	588.6	597.7	743.7	1168.1	1382.5	949.1	1072.3	2313.3	2222.1	1355.2	1455.5
77.5°	397.0	406.1	511.0	784.8	921.7	657.0	784.8	1222.8	1200.0	898.9	780.2
80°	301.1	314.8	378.7	501.9	643.4	383.3	447.2	579.5	588.6	479.1	397.0
82.5°	168.8	187.1	228.1	255.5	415.2	214.5	214.5	346.8	333.1	296.6	214.5
85°	73.0	77.6	91.3	95.8	168.8	91.3	77.6	150.6	155.1	146.0	68.4
87.5°	13.7	13.7	13.7	13.7	13.7	13.7	13.7	18.3	18.3	18.3	18.3
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°	3221.3	3221.3	3221.3	3221.3	3221.3	3221.3	3221.3	3221.3	3221.3	3221.3	3221.3
2.5°	3230.5	3257.8	3230.5	3216.8	3216.8	3194.0	3184.8	3184.8	3152.9	3166.6	3157.5
5°	3303.5	3312.6	3280.7	3239.6	3184.8	3139.2	3075.3	2993.2	2943.0	2938.4	2943.0
7.5°	3417.5	3422.1	3335.4	3244.2	3107.3	2943.0	2746.8	2587.1	2445.7	2422.9	2450.2
10°	3577.2	3568.1	3440.4	3225.9	2938.4	2591.7	2290.5	2144.5	2062.4	2057.8	2053.3
12.5°	3791.7	3732.4	3536.2	3148.3	2646.4	2244.9	2089.8	2080.6	2103.5	2121.7	2126.3
15°	4038.1	3960.5	3613.7	2997.8	2349.8	2117.1	2126.3	2203.8	2231.2	2249.5	2249.5
17.5°	4343.8	4243.4	3700.4	2783.3	2199.3	2144.5	2208.4	2281.4	2327.0	2345.3	2340.7
20°	4749.9	4540.0	3768.9	2578.0	2158.2	2190.1	2244.9	2317.9	2363.5	2386.3	2386.3
22.5°	5156.0	4895.9	3782.6	2436.5	2158.2	2194.7	2244.9	2317.9	2368.1	2390.9	2386.3
25°	5708.1	5352.2	3787.1	2336.2	2162.8	2171.9	2217.5	2281.4	2354.4	2377.2	2386.3
27.5°	6296.7	5854.1	3809.9	2313.3	2144.5	2140.0	2171.9	2231.2	2304.2	2363.5	2368.1
30°	7026.7	6419.9	3819.1	2336.2	2149.1	2089.8	2112.6	2171.9	2249.5	2308.8	2327.0
32.5°	7743.1	6944.6	3800.8	2386.3	2158.2	2057.8	2062.4	2098.9	2181.0	2222.1	2254.0
35°	8500.5	7501.3	3768.9	2454.8	2162.8	2044.1	2003.1	2021.3	2076.1	2080.6	2094.3
37.5°	9093.7	7916.5	3673.1	2546.0	2171.9	1993.9	1911.8	1898.1	1875.3	1829.7	1838.8
40°	9581.9	8194.8	3513.4	2591.7	2149.1	1934.6	1797.7	1733.9	1647.2	1578.7	1592.4
42.5°	9933.2	8381.9	3321.7	2600.8	2112.6	1834.2	1665.4	1555.9	1460.1	1387.1	1391.7
45°	10088.4	8363.6	3116.4	2532.4	2025.9	1711.1	1542.2	1437.3	1332.3	1254.8	1245.6
47.5°	10092.9	8185.7	2833.5	2368.1	1879.9	1569.6	1428.2	1314.1	1227.4	1172.6	1168.1
50°	10129.4	8085.3	2568.9	2130.8	1688.2	1419.0	1327.8	1213.7	1163.5	1085.9	1063.1
52.5°	10357.6	8249.6	2386.3	1870.8	1510.3	1309.5	1241.1	1140.7	1058.6	1008.4	1003.8
55°	10727.2	8532.5	2286.0	1674.6	1341.5	1204.6	1159.0	1072.3	999.3	949.1	935.4
57.5°	10772.8	8678.5	2167.3	1492.0	1204.6	1122.5	1104.2	1008.4	903.4	866.9	853.2
60°	*10134.0*	*8432.1*	*2021.3*	*1323.2*	*1104.2*	*1058.6*	*1049.4*	*921.7*	*835.0*	*789.4*	*771.1*
62.5°	9262.5	7816.1	1797.7	1168.1	1026.6	994.7	958.2	857.8	748.3	698.1	684.4
65°	7569.7	6570.4	1528.5	1063.1	949.1	912.6	903.4	766.6	693.5	666.2	661.6
67.5°	5735.5	5279.2	1346.0	985.6	866.9	853.2	821.3	775.7	743.7	711.8	702.7
70°	4056.3	3809.9	1145.3	885.2	784.8	762.0	894.3	844.1	730.0	689.0	684.4
72.5°	2459.4	2390.9	990.1	793.9	675.3	711.8	825.9	762.0	657.0	606.9	588.6
75°	1551.4	1419.0	830.4	675.3	538.4	579.5	720.9	679.9	565.8	515.6	501.9
77.5°	844.1	784.8	625.1	552.1	424.3	470.0	629.7	561.2	451.7	492.8	438.0
80°	369.6	410.7	415.2	319.4	282.9	346.8	451.7	438.0	346.8	351.3	292.0
82.5°	177.9	232.7	269.2	219.0	159.7	205.3	301.1	251.0	232.7	219.0	209.9
85°	54.8	86.7	118.6	104.9	73.0	86.7	141.4	136.9	164.3	141.4	132.3
87.5°	18.3	18.3	13.7	13.7	13.7	18.3	22.8	13.7	4.6	4.6	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°	3221.3	3221.3	3221.3	3221.3	3221.3	3221.3	3221.3	3221.3	3221.3	3221.3	3221.3
2.5°	3152.9	3157.5	3157.5	3162.0	3162.0	3175.7	3194.0	3212.2	3198.5	3216.8	3221.3
5°	2933.9	2956.7	2975.0	3043.4	3098.1	3143.8	3194.0	3239.6	3253.3	3262.4	3285.2
7.5°	2418.3	2482.2	2600.8	2755.9	2929.3	3098.1	3212.2	3330.9	3349.1	3371.9	3403.9
10°	2057.8	2085.2	2167.3	2327.0	2637.3	2970.4	3248.7	3435.8	3513.4	3559.0	3590.9
12.5°	2117.1	2098.9	2085.2	2108.0	2308.8	2737.7	3225.9	3586.4	3732.4	3782.6	3823.6
15°	2258.6	2240.3	2190.1	2126.3	2149.1	2491.3	3148.3	3727.8	3960.5	4042.6	4129.3
17.5°	2340.7	2322.5	2281.4	2213.0	2153.6	2286.0	3002.3	3855.6	4321.0	4421.4	4544.6
20°	2386.3	2368.1	2327.0	2258.6	2190.1	2208.4	2815.3	4015.3	4731.6	4891.3	5073.8
22.5°	2395.5	2372.7	2327.0	2258.6	2217.5	2203.8	2637.3	4111.1	5174.2	5420.6	5630.5
25°	2390.9	2349.8	2290.5	2240.3	2217.5	2213.0	2514.1	4165.8	5653.3	6045.7	6283.0
27.5°	2359.0	2308.8	2249.5	2213.0	2203.8	2231.2	2459.4	4229.7	6214.5	6716.5	7095.2
30°	2322.5	2249.5	2176.5	2162.8	2185.6	2272.3	2505.0	4252.5	6803.1	7446.5	7834.3
32.5°	2226.7	2171.9	2098.9	2094.3	2149.1	2304.2	2609.9	4220.6	7323.3	8176.6	8664.8
35°	2089.8	2057.8	2016.8	2030.5	2117.1	2331.6	2682.9	4120.2	7797.8	8856.4	9426.8
37.5°	1847.9	1870.8	1893.6	1925.5	2035.0	2327.0	2714.9	3960.5	8190.2	9399.4	10129.4
40°	1578.7	1656.3	1729.3	1811.4	1957.4	2290.5	2724.0	3764.3	8418.4	9810.0	10754.5
42.5°	1409.9	1482.9	1574.2	1692.8	1852.5	2208.4	2714.9	3545.3	8491.4	10092.9	11151.5
45°	1254.8	1341.5	1455.5	1578.7	1761.2	2089.8	2632.7	3308.0	8527.9	10225.3	11320.3
47.5°	1172.6	1222.8	1327.8	1451.0	1642.6	1943.8	2473.0	3134.7	8473.1	10252.6	11525.7
50°	1076.8	1145.3	1213.7	1332.3	1519.4	1761.2	2281.4	3034.3	8564.4	10521.8	11849.6
52.5°	1003.8	1040.3	1113.3	1222.8	1359.7	1592.4	2098.9	2952.1	8815.3	10795.6	12187.3
55°	949.1	990.1	1035.8	1127.0	1232.0	1423.6	1911.8	2828.9	9107.4	11087.6	12524.9
57.5°	862.4	889.7	953.6	1049.4	1117.9	1259.3	1692.8	2682.9	9084.6	10859.5	11940.9
60°	*784.8*	*812.2*	*880.6*	*976.4*	*1017.5*	*1113.3*	*1478.4*	*2495.9*	*8646.5*	*10115.7*	*10864.1*
62.5°	698.1	730.0	812.2	880.6	917.1	990.1	1254.8	2153.6	7734.0	8997.9	9604.7
65°	661.6	679.9	734.6	816.7	812.2	880.6	1058.6	1692.8	6223.7	6876.2	7428.3
67.5°	702.7	730.0	720.9	743.7	730.0	766.6	949.1	1359.7	4891.3	5178.8	5498.2
70°	693.5	757.4	789.4	743.7	638.8	679.9	821.3	1085.9	3499.7	3472.3	3458.6
72.5°	606.9	670.7	762.0	807.6	625.1	565.8	711.8	939.9	2244.9	2235.8	2021.3
75°	515.6	561.2	670.7	730.0	538.4	456.3	611.4	798.5	1341.5	1359.7	1213.7
77.5°	474.5	451.7	561.2	643.4	438.0	351.3	492.8	602.3	739.2	748.3	693.5
80°	342.2	328.5	419.8	470.0	333.1	251.0	278.3	374.2	397.0	355.9	369.6
82.5°	219.0	223.6	251.0	301.1	205.3	136.9	191.6	251.0	214.5	173.4	205.3
85°	141.4	159.7	132.3	155.1	63.9	63.9	82.1	109.5	73.0	50.2	54.8
87.5°	0.0	0.0	9.1	18.3	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: P1501452
CATALOG NUMBER: GSS-SB2D-750-U-T2LG

CANDELA DISTRIBUTION (continued):

	285°	293°	295°	305°	315°	325°	335°	345°	355°	360°
0°	3221.3	3221.3	*3221.3*	3221.3	3221.3	3221.3	3221.3	3221.3	3221.3	3221.3
2.5°	3235.0	3230.5	*3230.5*	3239.6	3262.4	3271.5	3285.2	3280.7	3294.3	3285.2
5°	3298.9	3303.5	*3317.2*	3321.7	3335.4	3353.7	3358.2	3353.7	3362.8	3362.8
7.5°	3426.7	3444.9	*3435.8*	3458.6	3440.4	3417.5	3381.0	3353.7	3330.9	3340.0
10°	3641.1	3632.0	*3627.4*	3586.4	3504.2	3385.6	3289.8	3184.8	3166.6	3148.3
12.5°	3878.4	3869.3	*3869.3*	3727.8	3495.1	3248.7	3029.7	2865.4	2810.7	2806.1
15°	4211.5	4152.2	*4097.4*	3800.8	3335.4	2915.6	2660.1	2532.4	2500.4	2500.4
17.5°	4626.7	4471.6	*4380.3*	3746.1	3075.3	2696.6	2546.0	2514.1	2505.0	2527.8
20°	5142.3	4749.9	*4617.6*	3622.9	2979.5	2724.0	2651.0	2655.6	2660.1	2692.1
22.5°	5708.1	5005.4	*4786.4*	3622.9	3075.3	2897.4	2860.9	2911.1	2924.8	2952.1
25°	6337.7	5233.5	*4937.0*	3814.5	3358.2	3225.9	3180.3	3230.5	3267.0	3312.6
27.5°	7045.0	5470.8	*5197.0*	4161.3	3723.3	3641.1	3590.9	3613.7	3663.9	3718.7
30°	7679.2	5867.8	*5594.0*	4690.6	4220.6	4120.2	4033.5	4070.0	4124.8	4161.3
32.5°	8240.4	6351.4	*6118.7*	5247.2	4791.0	4617.6	4521.7	4512.6	4622.1	4594.7
35°	8756.0	6921.8	*6698.2*	5881.5	5370.4	5156.0	5028.2	5192.5	5119.5	5146.8
37.5°	9162.1	7514.9	*7337.0*	6488.3	5972.7	5680.7	5603.1	5803.9	5918.0	5949.9
40°	9495.2	8030.5	*7843.5*	7090.6	6524.8	6310.4	6433.6	6766.6	6753.0	6739.3
42.5°	9750.7	8473.1	*8267.8*	7546.9	7054.1	7095.2	7191.0	7414.6	7469.3	7391.8
45°	9864.8	8751.5	*8587.2*	7907.3	7656.4	7893.7	7934.7	8030.5	7994.0	7943.9
47.5°	9997.1	8997.9	*8824.5*	8235.9	8308.9	8541.6	8459.4	8381.9	8249.6	8172.0
50°	10220.7	9289.9	*9143.9*	8715.0	8979.6	8902.0	8582.6	8409.3	8140.1	8048.8
52.5°	10645.0	9842.0	*9732.5*	9472.4	9294.4	8847.3	8459.4	8149.2	7848.0	7724.8
55°	11023.7	10590.3	*10526.4*	10179.6	9198.6	8559.8	8039.7	7560.6	7045.0	6940.0
57.5°	11242.8	11831.4	*11904.4*	10480.8	8760.6	7907.3	7140.8	6374.2	5886.0	5799.3
60°	*10590.3*	*13172.8*	*13209.3*	*10421.5*	*7971.2*	*6730.1*	*5562.1*	*5019.1*	*4494.4*	*4343.8*
62.5°	9691.4	12894.5	*12862.6*	10065.6	6346.9	4909.6	4225.2	3969.6	3563.6	3440.4
65°	8331.7	10740.9	*10777.4*	8696.7	4220.6	3549.9	3549.9	3225.9	2774.2	2687.5
67.5°	6789.5	8281.5	*8199.4*	5639.6	2591.7	2842.6	2979.5	2514.1	1879.9	1774.9
70°	4412.2	6324.1	*6210.0*	3253.3	1628.9	2368.1	2345.3	1889.0	1346.0	1273.0
72.5°	1898.1	3654.8	*3887.5*	1660.9	1227.4	1907.3	1870.8	1323.2	898.9	866.9
75°	1145.3	1838.8	*2003.1*	1058.6	894.3	1437.3	1295.8	839.6	611.4	588.6
77.5°	725.5	1008.4	*999.3*	793.9	670.7	971.9	871.5	579.5	415.2	397.0
80°	419.8	497.3	*515.6*	497.3	451.7	693.5	556.7	419.8	324.0	301.1
82.5°	269.2	310.3	*314.8*	241.8	251.0	447.2	301.1	246.4	187.1	168.8
85°	118.6	132.3	*127.8*	82.1	82.1	182.5	104.9	100.4	73.0	73.0
87.5°	4.6	9.1	*4.6*	4.6	4.6	18.3	9.1	13.7	13.7	13.7
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: SP1-2407-184-6

Test Date: 10/10/2024

Luminaire Tested: GSS-SB1A-750-U-5WQ

Data in this report applies to families of products including GSS-SB1A-750-U-5WQ

Report Generated By FNC07603 / LDUCLS01DT446
Version: v7.04

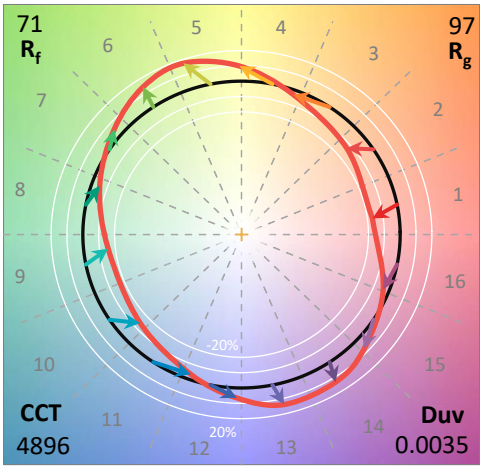
Test Information

Test Method:	LM-79-2019
Report Number:	SP1-2407-184-6
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-750-U-5WQ**
Description:	GALLEON II SITE SLIM 1SQ 350MA 5WQ HIGH DENSITY LIGHTSQUARE WITH 70 CRI 5000K CCT 26 LEDS

Spectral Parameters

CCT (K):	4896
CIE u':	0.2101
CIE v':	0.4901
Duv:	0.0035
CIE x:	0.3489
CIE y:	0.3618
CIE z:	0.2893
Peak Wavelength (nm):	443
Dominant Wavelength (nm):	570
Purity:	13.25435
Rf:	70.7
Rg:	96.8

CRI (Ra):	70.2
R1:	68.1
R2:	73.9
R3:	79.4
R4:	72.1
R5:	69.2
R6:	65.7
R7:	78.1
R8:	55.3
R9:	-35.1
R10:	39.3
R11:	71.1
R12:	43.8
R13:	68.1
R14:	88.4
R15:	59.7



Test Conditions

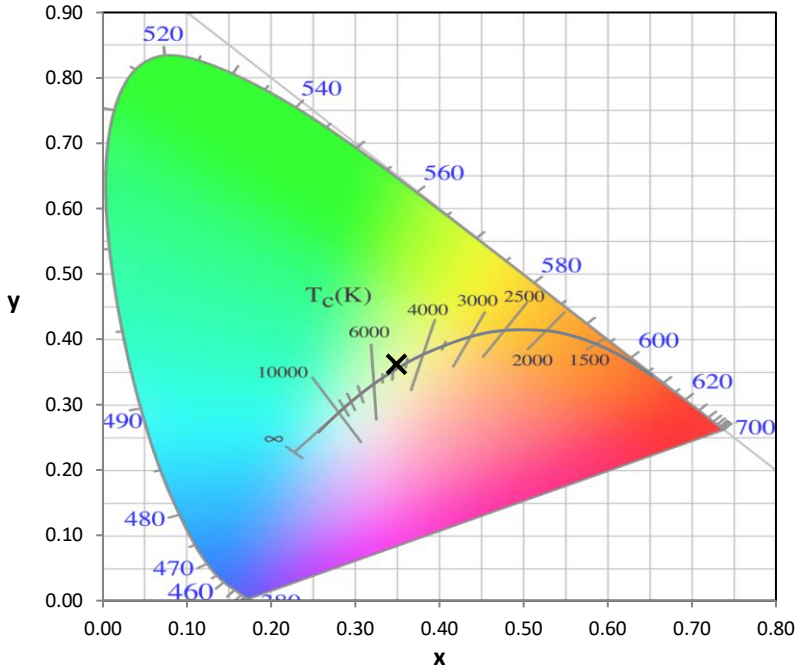
Stabilization Time:	21M
Operation Time:	1H 21M
Sphere Temperature (°C):	25.2

REPORT NUMBER: SP1-2407-184-6

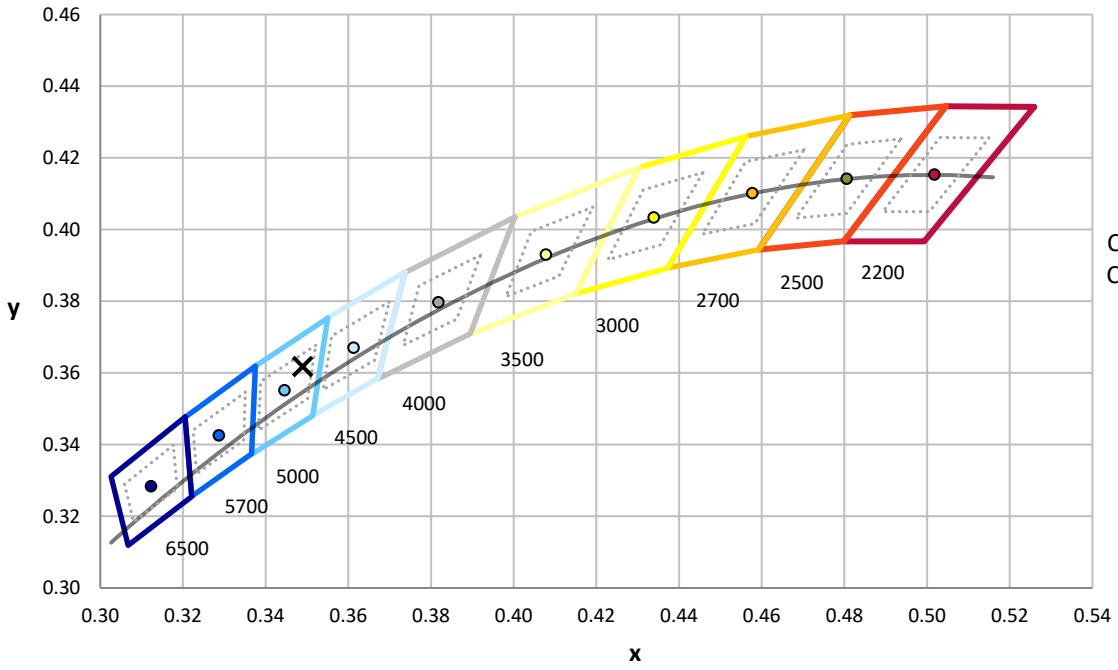
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

REPORT NUMBER: SP1-2407-184-6

CIE 1931 Chromaticity Diagram



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

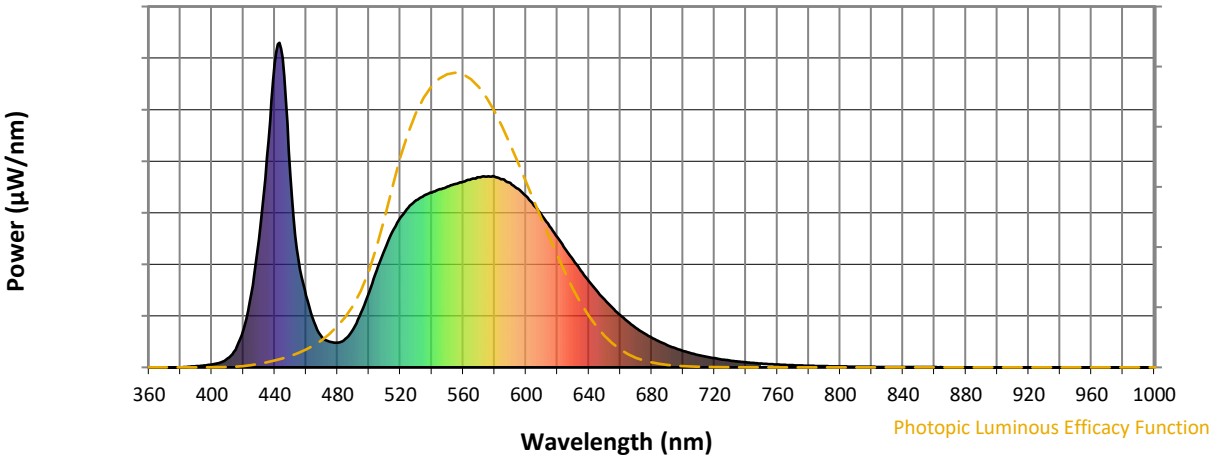


CCT = 4896K
CIE x = 0.3489
CIE y = 0.3618
Duv = 0.0035

Point lies inside the ANSI 5000K 4-step quadrangle

REPORT NUMBER: SP1-2407-184-6

Photopic Flux vs. Wavelength

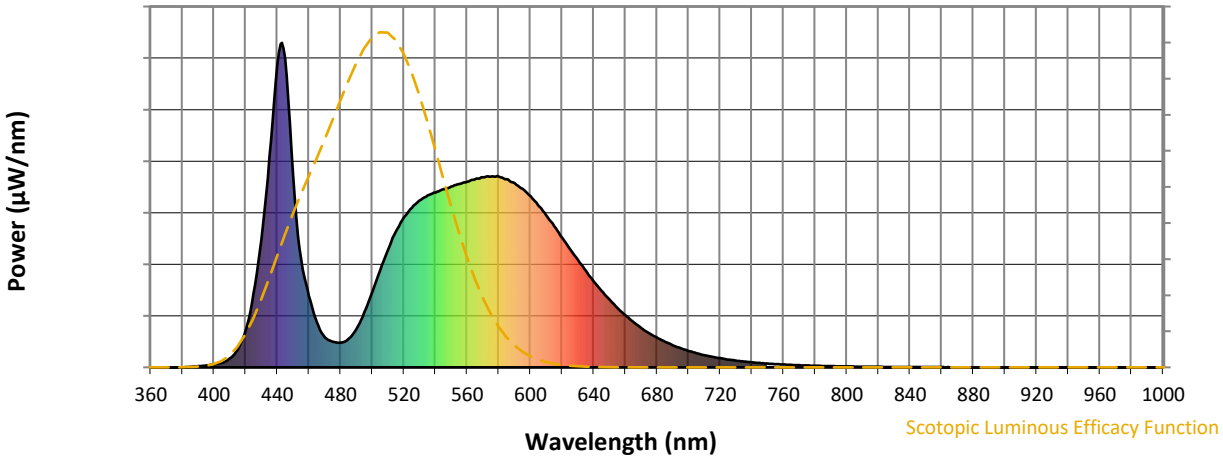


Photopic Lumens: NR

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	118	NR	620	401	NR	750	12	NR	880	0	NR
365	0	NR	495	168	NR	625	365	NR	755	10	NR	885	0	NR
370	0	NR	500	230	NR	630	331	NR	760	9	NR	890	0	NR
375	0	NR	505	299	NR	635	298	NR	765	8	NR	895	0	NR
380	0	NR	510	362	NR	640	266	NR	770	6	NR	900	0	NR
385	2	NR	515	418	NR	645	236	NR	775	6	NR	905	0	NR
390	4	NR	520	461	NR	650	209	NR	780	5	NR	910	0	NR
395	6	NR	525	491	NR	655	184	NR	785	4	NR	915	0	NR
400	9	NR	530	514	NR	660	160	NR	790	4	NR	920	0	NR
405	14	NR	535	530	NR	665	140	NR	795	3	NR	925	0	NR
410	27	NR	540	539	NR	670	122	NR	800	3	NR	930	0	NR
415	55	NR	545	549	NR	675	106	NR	805	2	NR	935	0	NR
420	115	NR	550	557	NR	680	92	NR	810	2	NR	940	0	NR
425	226	NR	555	565	NR	685	79	NR	815	2	NR	945	0	NR
430	395	NR	560	572	NR	690	68	NR	820	2	NR	950	0	NR
435	648	NR	565	580	NR	695	59	NR	825	1	NR	955	0	NR
440	937	NR	570	586	NR	700	51	NR	830	1	NR	960	0	NR
445	953	NR	575	588	NR	705	44	NR	835	1	NR	965	0	NR
450	591	NR	580	588	NR	710	38	NR	840	1	NR	970	0	NR
455	334	NR	585	580	NR	715	32	NR	845	1	NR	975	0	NR
460	221	NR	590	568	NR	720	28	NR	850	1	NR	980	0	NR
465	140	NR	595	550	NR	725	24	NR	855	1	NR	985	0	NR
470	93	NR	600	527	NR	730	21	NR	860	1	NR	990	0	NR
475	79	NR	605	499	NR	735	18	NR	865	0	NR	995	0	NR
480	76	NR	610	469	NR	740	15	NR	870	0	NR	1000	0	NR
485	87	NR	615	435	NR	745	13	NR	875	0	NR			

REPORT NUMBER: SP1-2407-184-6

Scotopic Flux vs. Wavelength

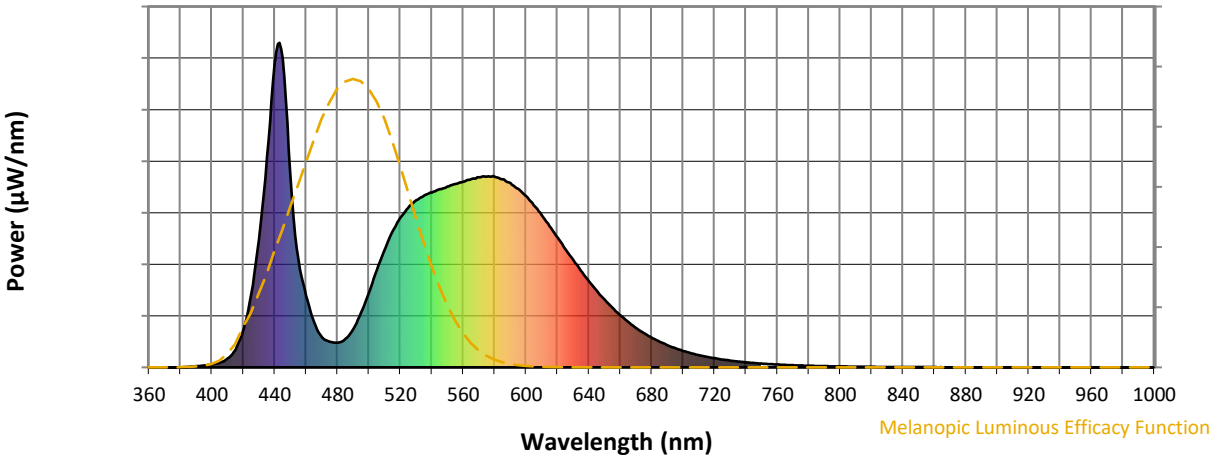


Scotopic Lumens: NR **S/P: 1.7**

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	118	NR	620	401	NR	750	12	NR	880	0	NR
365	0	NR	495	168	NR	625	365	NR	755	10	NR	885	0	NR
370	0	NR	500	230	NR	630	331	NR	760	9	NR	890	0	NR
375	0	NR	505	299	NR	635	298	NR	765	8	NR	895	0	NR
380	0	NR	510	362	NR	640	266	NR	770	6	NR	900	0	NR
385	2	NR	515	418	NR	645	236	NR	775	6	NR	905	0	NR
390	4	NR	520	461	NR	650	209	NR	780	5	NR	910	0	NR
395	6	NR	525	491	NR	655	184	NR	785	4	NR	915	0	NR
400	9	NR	530	514	NR	660	160	NR	790	4	NR	920	0	NR
405	14	NR	535	530	NR	665	140	NR	795	3	NR	925	0	NR
410	27	NR	540	539	NR	670	122	NR	800	3	NR	930	0	NR
415	55	NR	545	549	NR	675	106	NR	805	2	NR	935	0	NR
420	115	NR	550	557	NR	680	92	NR	810	2	NR	940	0	NR
425	226	NR	555	565	NR	685	79	NR	815	2	NR	945	0	NR
430	395	NR	560	572	NR	690	68	NR	820	2	NR	950	0	NR
435	648	NR	565	580	NR	695	59	NR	825	1	NR	955	0	NR
440	937	NR	570	586	NR	700	51	NR	830	1	NR	960	0	NR
445	953	NR	575	588	NR	705	44	NR	835	1	NR	965	0	NR
450	591	NR	580	588	NR	710	38	NR	840	1	NR	970	0	NR
455	334	NR	585	580	NR	715	32	NR	845	1	NR	975	0	NR
460	221	NR	590	568	NR	720	28	NR	850	1	NR	980	0	NR
465	140	NR	595	550	NR	725	24	NR	855	1	NR	985	0	NR
470	93	NR	600	527	NR	730	21	NR	860	1	NR	990	0	NR
475	79	NR	605	499	NR	735	18	NR	865	0	NR	995	0	NR
480	76	NR	610	469	NR	740	15	NR	870	0	NR	1000	0	NR
485	87	NR	615	435	NR	745	13	NR	875	0	NR			

REPORT NUMBER: SP1-2407-184-6

Melanopic Flux vs. Wavelength



Melanopic Lumens: NR **M/P: 3.37**

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	118	NR	620	401	NR	750	12	NR	880	0	NR
365	0	NR	495	168	NR	625	365	NR	755	10	NR	885	0	NR
370	0	NR	500	230	NR	630	331	NR	760	9	NR	890	0	NR
375	0	NR	505	299	NR	635	298	NR	765	8	NR	895	0	NR
380	0	NR	510	362	NR	640	266	NR	770	6	NR	900	0	NR
385	2	NR	515	418	NR	645	236	NR	775	6	NR	905	0	NR
390	4	NR	520	461	NR	650	209	NR	780	5	NR	910	0	NR
395	6	NR	525	491	NR	655	184	NR	785	4	NR	915	0	NR
400	9	NR	530	514	NR	660	160	NR	790	4	NR	920	0	NR
405	14	NR	535	530	NR	665	140	NR	795	3	NR	925	0	NR
410	27	NR	540	539	NR	670	122	NR	800	3	NR	930	0	NR
415	55	NR	545	549	NR	675	106	NR	805	2	NR	935	0	NR
420	115	NR	550	557	NR	680	92	NR	810	2	NR	940	0	NR
425	226	NR	555	565	NR	685	79	NR	815	2	NR	945	0	NR
430	395	NR	560	572	NR	690	68	NR	820	2	NR	950	0	NR
435	648	NR	565	580	NR	695	59	NR	825	1	NR	955	0	NR
440	937	NR	570	586	NR	700	51	NR	830	1	NR	960	0	NR
445	953	NR	575	588	NR	705	44	NR	835	1	NR	965	0	NR
450	591	NR	580	588	NR	710	38	NR	840	1	NR	970	0	NR
455	334	NR	585	580	NR	715	32	NR	845	1	NR	975	0	NR
460	221	NR	590	568	NR	720	28	NR	850	1	NR	980	0	NR
465	140	NR	595	550	NR	725	24	NR	855	1	NR	985	0	NR
470	93	NR	600	527	NR	730	21	NR	860	1	NR	990	0	NR
475	79	NR	605	499	NR	735	18	NR	865	0	NR	995	0	NR
480	76	NR	610	469	NR	740	15	NR	870	0	NR	1000	0	NR
485	87	NR	615	435	NR	745	13	NR	875	0	NR			

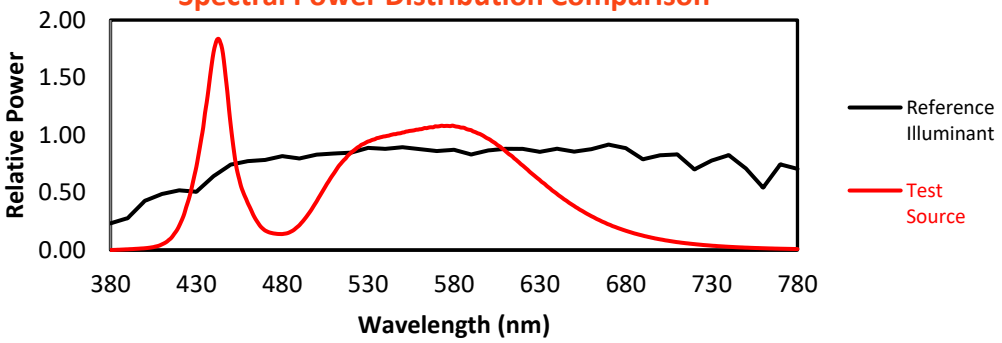
REPORT NUMBER: SP1-2407-184-6

TM-30-18

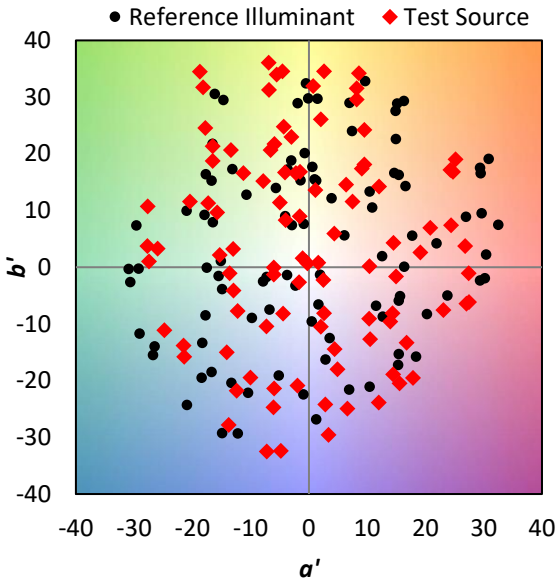
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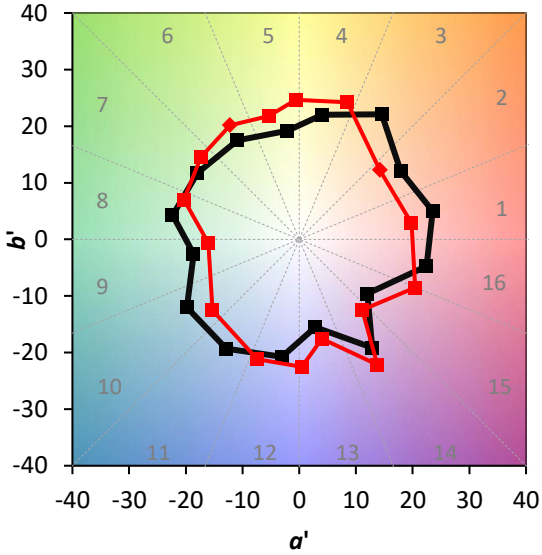
R_f = 70.7
R_g = 96.8
CIE R_a = 70.2
R_9 = -35.1

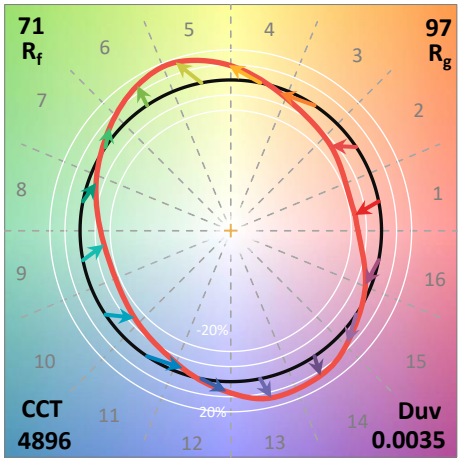
Spectral Power Distribution Comparison

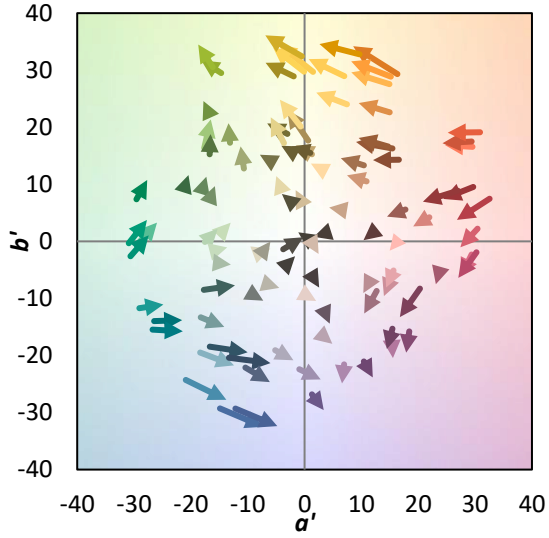


Color Vector Graphics







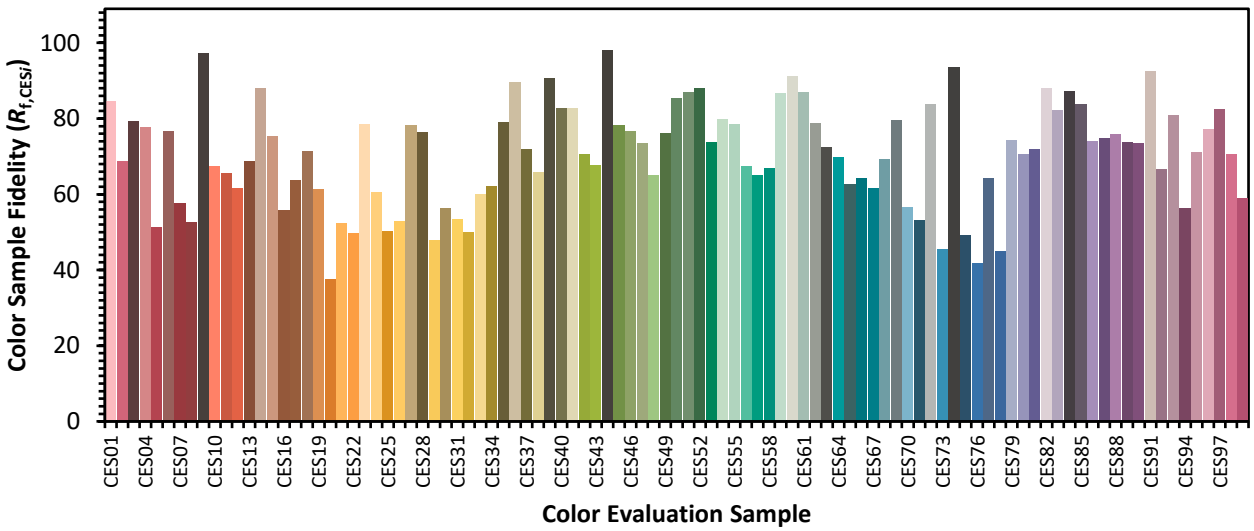


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Individual Sample Fidelity Index ($R_{f,i}$)

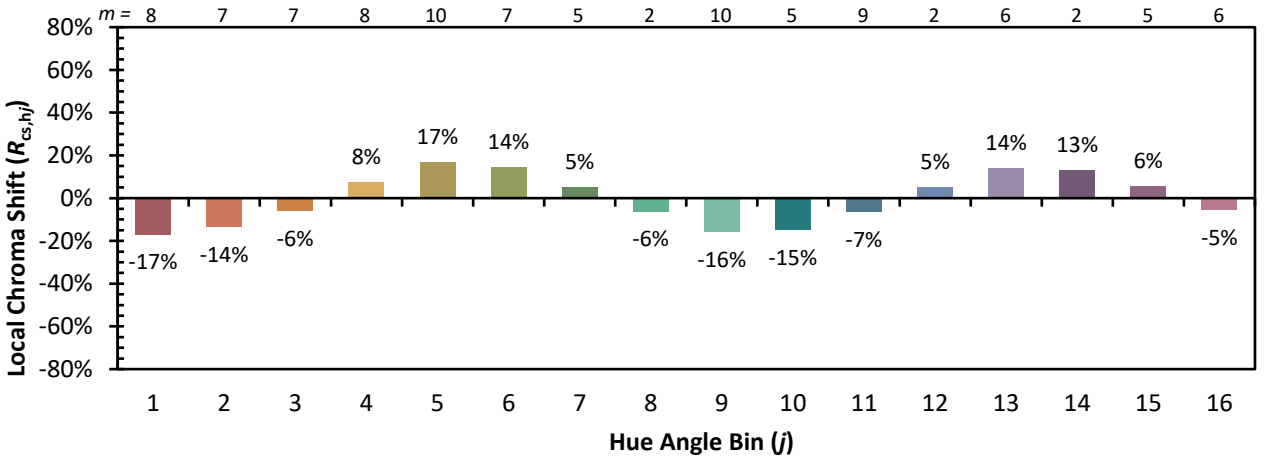
CES01 = 85	CES26 = 53	CES51 = 87	CES76 = 42
CES02 = 59	CES27 = 78	CES52 = 88	CES77 = 64
CES03 = 30	CES28 = 76	CES53 = 74	CES78 = 45
CES04 = 69	CES29 = 48	CES54 = 80	CES79 = 74
CES05 = 46	CES30 = 56	CES55 = 79	CES80 = 71
CES06 = 50	CES31 = 54	CES56 = 68	CES81 = 72
CES07 = 39	CES32 = 50	CES57 = 65	CES82 = 88
CES08 = 38	CES33 = 60	CES58 = 67	CES83 = 82
CES09 = 29	CES34 = 62	CES59 = 87	CES84 = 87
CES10 = 72	CES35 = 79	CES60 = 91	CES85 = 84
CES11 = 56	CES36 = 90	CES61 = 87	CES86 = 74
CES12 = 61	CES37 = 72	CES62 = 79	CES87 = 75
CES13 = 41	CES38 = 66	CES63 = 72	CES88 = 76
CES14 = 74	CES39 = 91	CES64 = 70	CES89 = 74
CES15 = 70	CES40 = 83	CES65 = 63	CES90 = 73
CES16 = 46	CES41 = 83	CES66 = 64	CES91 = 92
CES17 = 49	CES42 = 70	CES67 = 62	CES92 = 67
CES18 = 55	CES43 = 68	CES68 = 69	CES93 = 81
CES19 = 71	CES44 = 98	CES69 = 80	CES94 = 56
CES20 = 64	CES45 = 78	CES70 = 56	CES95 = 71
CES21 = 85	CES46 = 77	CES71 = 53	CES96 = 77
CES22 = 77	CES47 = 73	CES72 = 84	CES97 = 82
CES23 = 91	CES48 = 65	CES73 = 46	CES98 = 71
CES24 = 90	CES49 = 76	CES74 = 94	CES99 = 59
CES25 = 71	CES50 = 85	CES75 = 49	

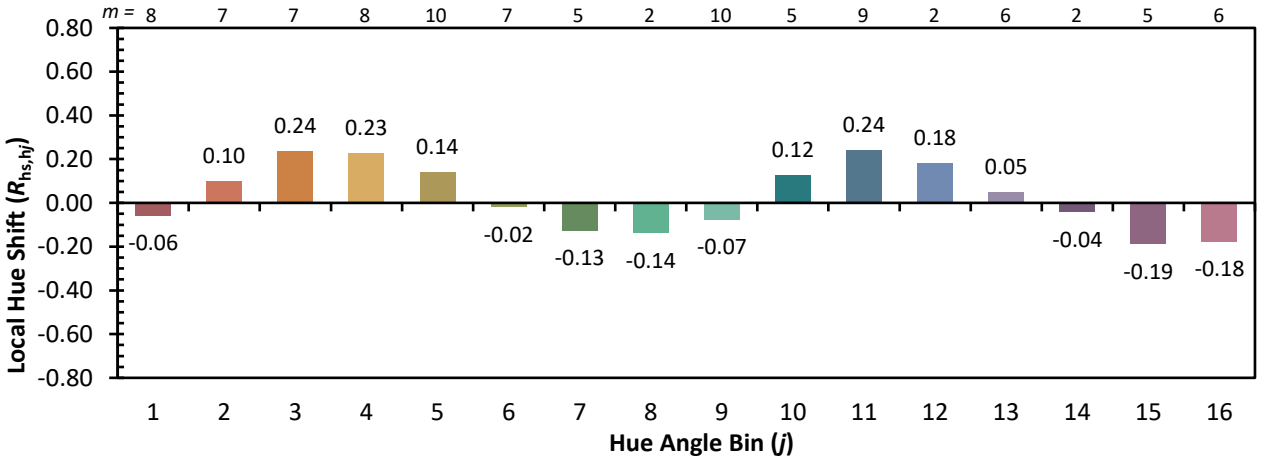


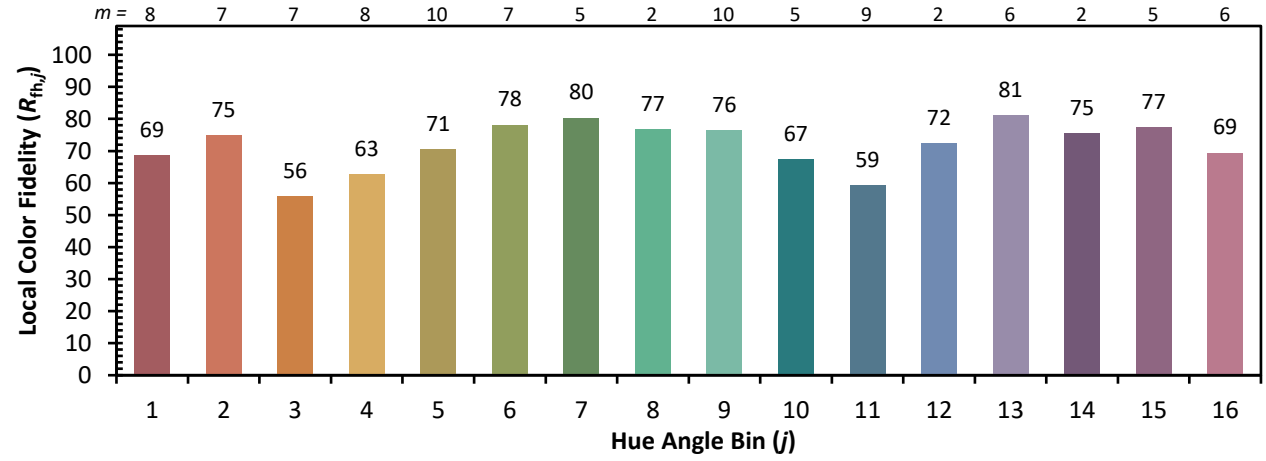
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Color Rendition by Hue-Angle Bin



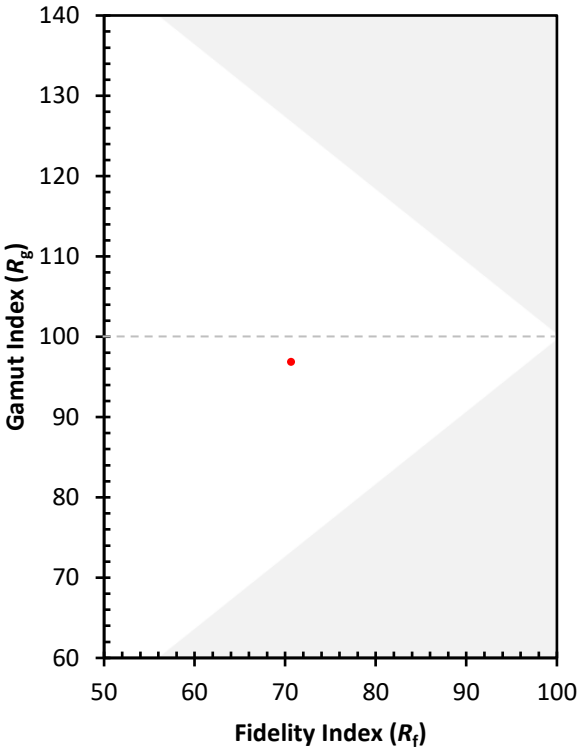


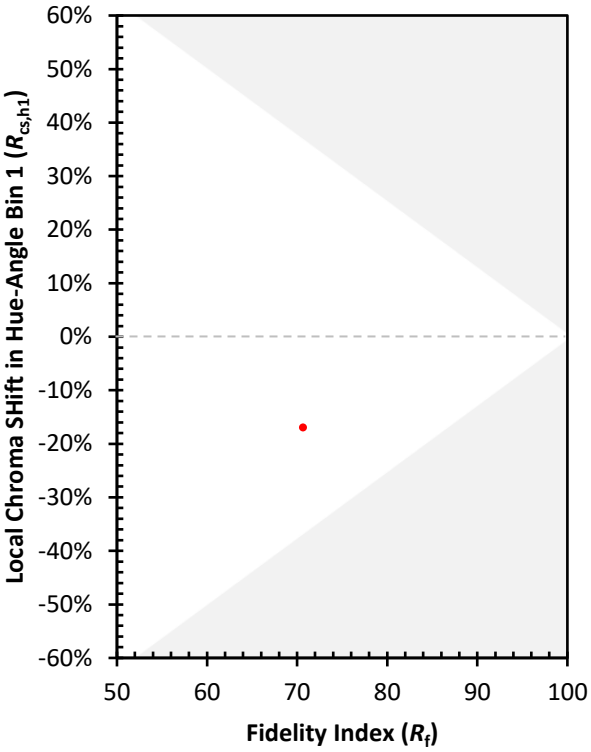


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Measure Comparisons





(END OF REPORT)