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: P1501368

Luminaire Tested: GSS-SB5D-722-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:	P1501368
Test Lab:	INNOVATION CENTER(G1)
Issue Date:	7/20/2026
Manufacturer:	COOPER LIGHTING SOLUTIONS
Product Line:	McGRAW-EDISON
Catalog Number:	GSS-SB5D-722-U-T2LG
Description:	GALLEON II SLIM SITE HIGH DENSITY LED ARRAYS 5SQUARE 302W 70CRI 2200K FIXTURE w/ TYPE II LOW GLARE DISTRIBUTION FIXTURE
Light Source:	(130) 2200K CCT, 70 CRI LEDS
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	35214.3 lumens
Efficiency:	N/A
Efficacy:	116.6 lumens/watt
Luminous Opening:	Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification:	Type II - Short
BUG Rating:	B4 - U0 - G3

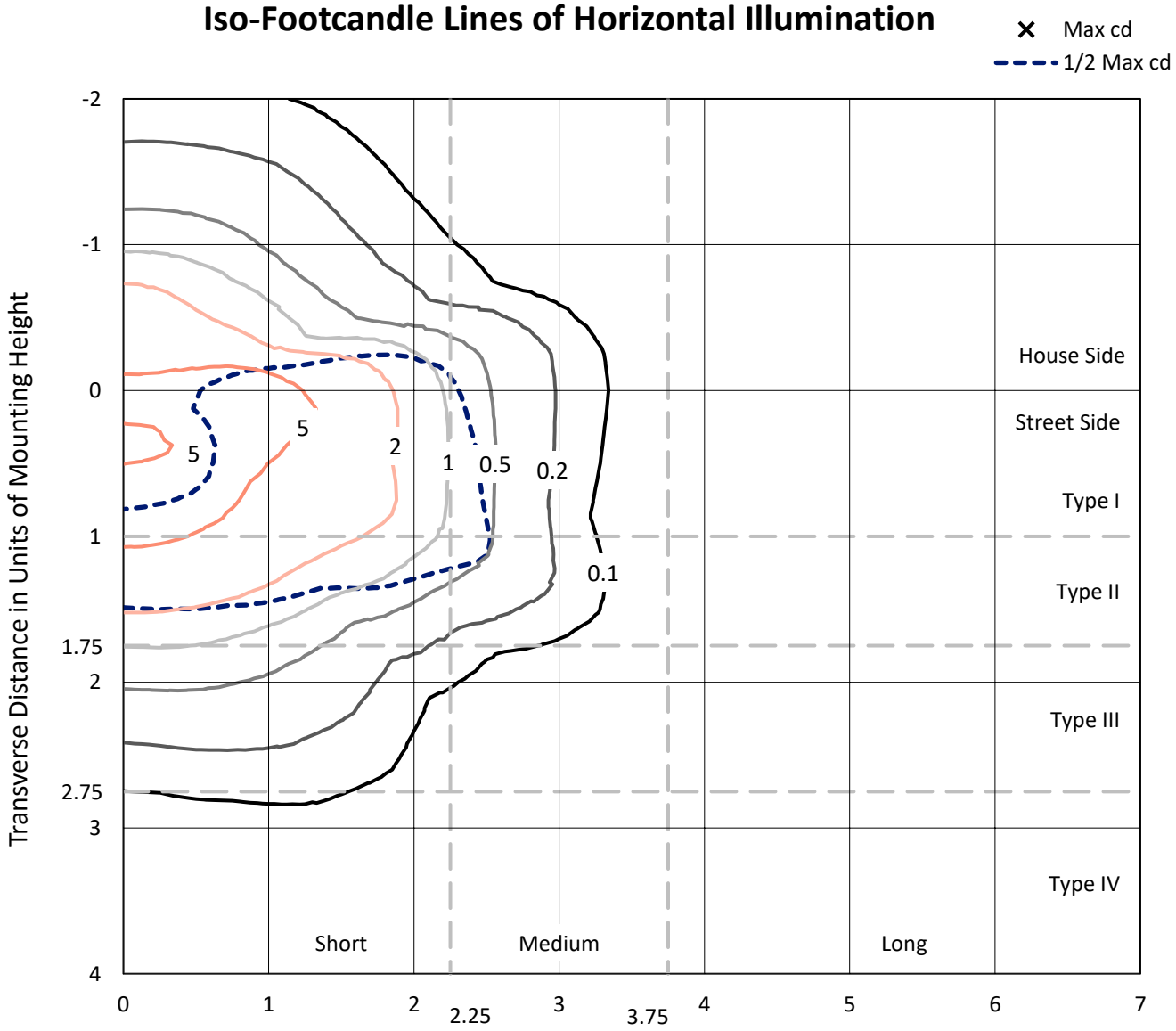
Input Watts (W):	302
Input Voltage (V):	120
Input Current (Ain):	NR
Voltage Rise (V):	NR
Power Factor:	0.98
Total Harmonic Distortion (THDi):	--
Frequency (hertz):	60
Stabilization Time:	NR
Operation Time:	NR
Ambient Temperature (°C):	NR
Test Distance:	28.75 FT

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Iso-Footcandle Lines of Horizontal Illumination



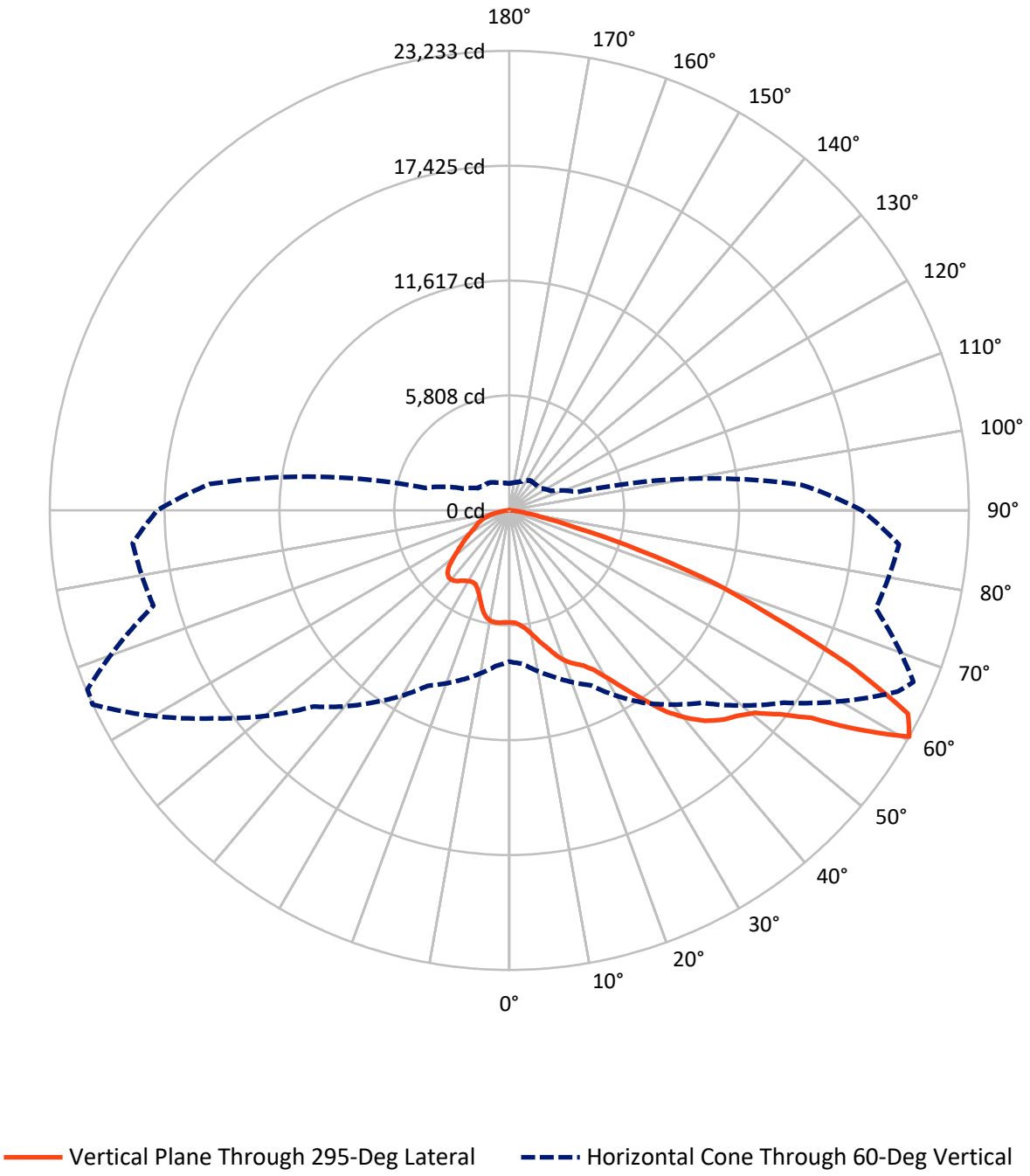
Based on 30 foot mounting height. Maximum calculated value = 9.5 fc
Type II - Short - N/A

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Luminous Intensity Polar Plot



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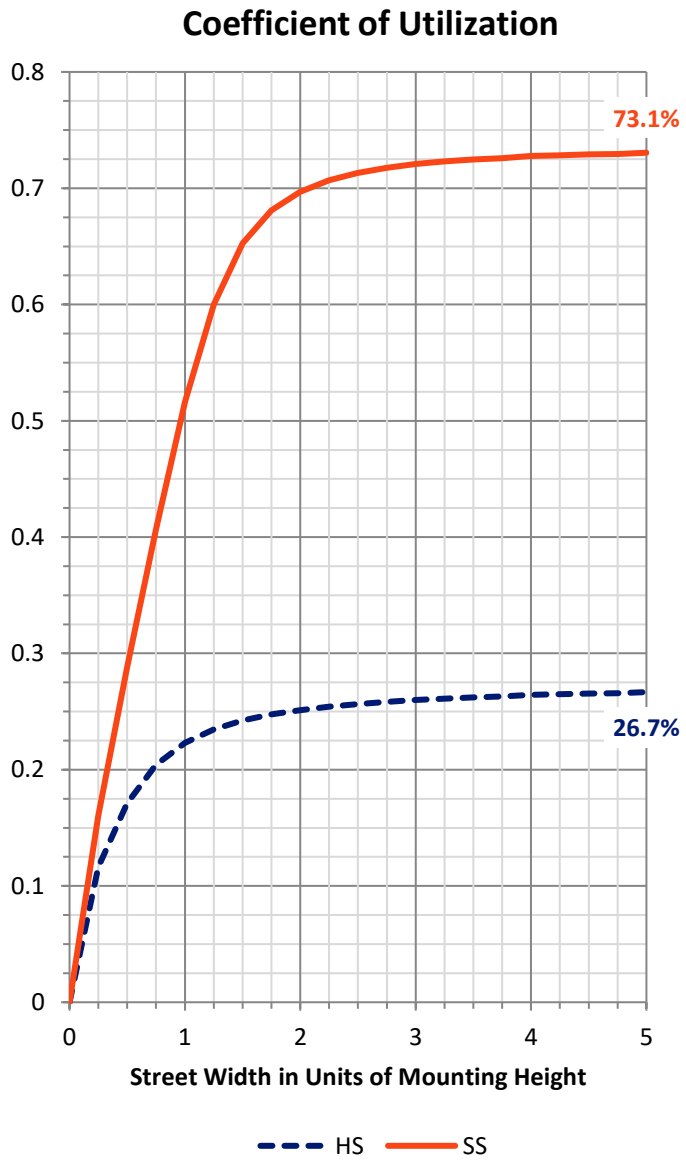
REPORT NUMBER: P1501368
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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	9469.6	0.0	9469.6
	% Fixture	26.9	0.0	26.9
Street Side	Lumens	25744.8	0.0	25744.8
	% Fixture	73.1	0.0	73.1
Total	Lumens	35214.3	0.0	35214.3
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	532.7	1.5
10°-20°	1531.4	4.3
20°-30°	2900.7	8.2
30°-40°	5113.8	14.5
40°-50°	7562.8	21.5
50°-60°	8880.8	25.2
60°-70°	6434.5	18.3
70°-80°	1984.3	5.6
80°-90°	273.2	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°	35214.3	100.0
0°-180°	35214.3	100.0



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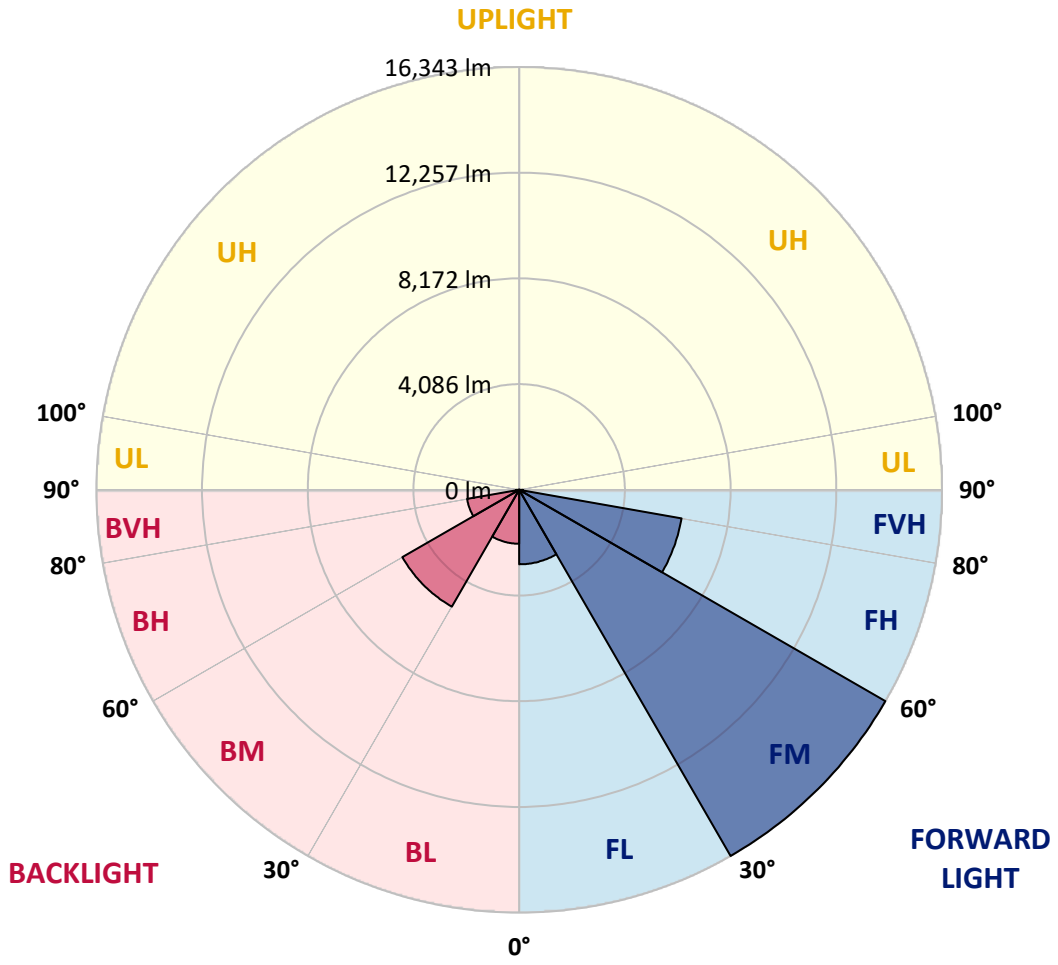
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	2879.3	8.2			
FM	(30°-60°)	16343.2	46.4			
FH	(60°-80°)	6374.9	18.1			G3/7500
FVH	(80°-90°)	147.4	0.4			G2/225
BL	(0°-30°)	2085.5	5.9	B3/2500		
BM	(30°-60°)	5214.2	14.8	B4/8500		
BH	(60°-80°)	2044.0	5.8	B3/2500		G3/2500
BVH	(80°-90°)	125.8	0.4			G2/225
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B4-U0-G3
Type II Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	67°	75°	85°
0°	5665.8	5665.8	5665.8	5665.8	5665.8	5665.8	5665.8	5665.8	5665.8	5665.8	5665.8
2.5°	5778.2	5794.2	5770.1	5786.2	5786.2	5762.1	5754.1	5722.0	5738.0	5730.0	5722.0
5°	5914.6	5922.6	5906.6	5930.7	5930.7	5938.7	5930.7	5890.5	5890.5	5890.5	5874.5
7.5°	5874.5	5874.5	5882.5	5962.8	6043.0	6147.3	6147.3	6131.3	6147.3	6139.3	6067.1
10°	5537.4	5569.5	5641.7	5842.4	6035.0	6259.7	6412.2	6460.3	6460.3	6468.3	6348.0
12.5°	4935.5	4959.6	5128.1	5433.1	5834.4	6243.6	6612.8	6853.6	6877.6	6917.8	6757.3
15°	4397.8	4413.9	4534.3	4847.2	5304.7	6027.0	6725.2	7222.7	7303.0	7471.5	7230.7
17.5°	4446.0	4438.0	4470.1	4590.4	4919.5	5673.8	6701.1	7656.1	7800.5	8097.5	7888.8
20°	4734.9	4734.9	4759.0	4783.0	4903.4	5417.0	6524.5	8009.2	8290.1	8867.9	8627.1
22.5°	5192.3	5192.3	5184.3	5224.4	5224.4	5529.4	6532.5	8274.0	8691.3	9726.6	9493.9
25°	5826.3	5794.2	5794.2	5810.3	5738.0	5954.7	6733.2	8546.9	9092.6	10745.8	10545.2
27.5°	6540.6	6564.6	6548.6	6492.4	6396.1	6564.6	7214.7	8972.2	9542.0	11821.2	11740.9
30°	7319.0	7327.0	7343.1	7311.0	7230.7	7351.1	7969.1	9614.2	10135.9	12944.7	13121.3
32.5°	8081.4	8193.8	8153.6	8073.4	8105.5	8322.2	8900.0	10481.0	11018.7	13988.0	14614.0
35°	9052.5	9092.6	9253.1	8956.2	8964.2	9333.4	10087.7	11620.6	12142.2	15071.4	16106.7
37.5°	10464.9	10537.1	10464.9	9999.5	9927.2	10440.8	11243.4	12744.1	13121.3	15890.0	17495.0
40°	11853.3	11941.6	12061.9	11516.2	11058.8	11484.1	12334.8	13602.8	13996.0	16339.4	18417.9
42.5°	13000.9	13145.3	13016.9	12856.4	12439.1	12519.4	13097.2	14268.9	14662.1	16909.2	19348.9
45°	13971.9	13996.0	14052.2	13939.8	13731.2	13659.0	13747.2	14854.7	15288.1	17166.0	19806.3
47.5°	14373.2	14477.5	14525.7	14718.3	14935.0	14790.5	14301.0	15127.6	15520.8	17149.9	19950.8
50°	14156.5	14260.9	14517.7	14975.1	15496.7	15753.6	14951.0	15504.8	15946.2	17438.9	20247.7
52.5°	13586.7	13699.1	14116.4	14638.0	15512.8	16098.6	15865.9	16291.2	16716.6	17952.5	20745.3
55°	12206.4	12374.9	12960.8	13827.5	15031.3	15914.1	16828.9	17446.9	17912.3	18570.4	21258.9
57.5°	10200.1	10376.6	11034.7	12334.8	14140.5	15151.7	17109.8	19613.7	19822.3	19308.7	21307.0
60°	*7640.0*	*7784.5*	*8715.4*	*9758.7*	*11877.4*	*13755.3*	*16949.3*	*21668.2*	*22197.8*	*19180.3*	*19774.2*
62.5°	6051.0	6227.6	7054.2	7535.7	9052.5	11363.7	16387.5	22237.9	22695.4	18121.0	17639.5
65°	4726.9	4847.2	5617.7	6307.8	6677.0	7760.4	14044.2	19453.2	19862.5	16395.6	14557.8
67.5°	3121.8	3306.4	4221.3	5168.3	5360.9	4935.5	9662.4	14967.1	15159.7	13033.0	10946.4
70°	2239.0	2327.3	3009.5	4020.6	4309.6	3306.4	5264.6	11331.6	11387.8	8747.5	7375.2
72.5°	1524.8	1540.8	2046.4	3081.7	3434.8	2399.5	2897.1	7463.5	7270.9	4317.6	4221.3
75°	1035.3	1051.3	1308.1	2054.5	2431.6	1669.3	1885.9	4068.8	3908.3	2383.5	2560.1
77.5°	698.2	714.2	898.8	1380.3	1621.1	1155.6	1380.3	2150.8	2110.6	1581.0	1372.3
80°	529.7	553.7	666.1	882.8	1131.6	674.1	786.5	1019.2	1035.3	842.7	698.2
82.5°	296.9	329.0	401.3	449.4	730.3	377.2	377.2	609.9	585.8	521.6	377.2
85°	128.4	136.4	160.5	168.5	296.9	160.5	136.4	264.8	272.9	256.8	120.4
87.5°	24.1	24.1	24.1	24.1	24.1	24.1	24.1	32.1	32.1	32.1	32.1
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	5665.8	5665.8	5665.8	5665.8	5665.8	5665.8	5665.8	5665.8	5665.8	5665.8	5665.8
2.5°	5681.9	5730.0	5681.9	5657.8	5657.8	5617.7	5601.6	5601.6	5545.4	5569.5	5553.5
5°	5810.3	5826.3	5770.1	5697.9	5601.6	5521.4	5409.0	5264.6	5176.3	5168.3	5176.3
7.5°	6010.9	6018.9	5866.5	5705.9	5465.2	5176.3	4831.2	4550.3	4301.5	4261.4	4309.6
10°	6291.8	6275.7	6051.0	5673.8	5168.3	4558.3	4028.7	3771.9	3627.4	3619.4	3611.4
12.5°	6669.0	6564.6	6219.6	5537.4	4654.6	3948.4	3675.6	3659.5	3699.6	3731.7	3739.8
15°	7102.3	6965.9	6356.0	5272.6	4133.0	3723.7	3739.8	3876.2	3924.3	3956.4	3956.4
17.5°	7640.0	7463.5	6508.5	4895.4	3868.2	3771.9	3884.2	4012.6	4092.9	4125.0	4116.9
20°	8354.3	7985.1	6628.9	4534.3	3795.9	3852.1	3948.4	4076.8	4157.1	4197.2	4197.2
22.5°	9068.5	8611.1	6652.9	4285.5	3795.9	3860.1	3948.4	4076.8	4165.1	4205.2	4197.2
25°	10039.6	9413.6	6661.0	4108.9	3804.0	3820.0	3900.3	4012.6	4141.0	4181.2	4197.2
27.5°	11074.8	10296.4	6701.1	4068.8	3771.9	3763.8	3820.0	3924.3	4052.7	4157.1	4165.1
30°	12358.9	11291.5	6717.1	4108.9	3779.9	3675.6	3715.7	3820.0	3956.4	4060.8	4092.9
32.5°	13618.8	12214.4	6685.0	4197.2	3795.9	3619.4	3627.4	3691.6	3836.1	3908.3	3964.5
35°	14951.0	13193.5	6628.9	4317.6	3804.0	3595.3	3523.1	3555.2	3651.5	3659.5	3683.6
37.5°	15994.3	13923.8	6460.3	4478.1	3820.0	3507.0	3362.6	3338.5	3298.4	3218.1	3234.2
40°	16853.0	14413.3	6179.4	4558.3	3779.9	3402.7	3161.9	3049.6	2897.1	2776.7	2800.8
42.5°	17471.0	14742.4	5842.4	4574.4	3715.7	3226.1	2929.2	2736.6	2568.1	2439.7	2447.7
45°	17743.8	14710.3	5481.2	4454.0	3563.2	3009.5	2712.5	2528.0	2343.4	2206.9	2190.9
47.5°	17751.8	14397.3	4983.7	4165.1	3306.4	2760.7	2511.9	2311.3	2158.8	2062.5	2054.5
50°	17816.0	14220.7	4518.2	3747.8	2969.3	2495.9	2335.3	2134.7	2046.4	1910.0	1869.9
52.5°	18217.3	14509.6	4197.2	3290.3	2656.4	2303.2	2182.9	2006.3	1861.9	1773.6	1765.6
55°	18867.3	15007.2	4020.6	2945.3	2359.4	2118.7	2038.4	1885.9	1757.5	1669.3	1645.2
57.5°	18947.6	15264.0	3812.0	2624.3	2118.7	1974.2	1942.1	1773.6	1589.0	1524.8	1500.7
60°	*17824.1*	*14830.6*	*3555.2*	*2327.3*	*1942.1*	*1861.9*	*1845.8*	*1621.1*	*1468.6*	*1388.4*	*1356.3*
62.5°	16291.2	13747.2	3161.9	2054.5	1805.7	1749.5	1685.3	1508.7	1316.1	1227.9	1203.8
65°	13313.9	11556.3	2688.5	1869.9	1669.3	1605.0	1589.0	1348.2	1219.8	1171.7	1163.7
67.5°	10087.7	9285.2	2367.4	1733.5	1524.8	1500.7	1444.5	1364.3	1308.1	1251.9	1235.9
70°	7134.4	6701.1	2014.3	1556.9	1380.3	1340.2	1572.9	1484.7	1284.0	1211.8	1203.8
72.5°	4325.6	4205.2	1741.5	1396.4	1187.7	1251.9	1452.6	1340.2	1155.6	1067.4	1035.3
75°	2728.6	2495.9	1460.6	1187.7	947.0	1019.2	1268.0	1195.8	995.1	906.9	882.8
77.5°	1484.7	1380.3	1099.5	971.1	746.3	826.6	1107.5	987.1	794.5	866.7	770.4
80°	650.0	722.3	730.3	561.8	497.6	609.9	794.5	770.4	609.9	617.9	513.6
82.5°	313.0	409.3	473.5	385.2	280.9	361.1	529.7	441.4	409.3	385.2	369.2
85°	96.3	152.5	208.7	184.6	128.4	152.5	248.8	240.8	288.9	248.8	232.7
87.5°	32.1	32.1	24.1	24.1	24.1	32.1	40.1	24.1	8.0	8.0	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°	5665.8	5665.8	5665.8	5665.8	5665.8	5665.8	5665.8	5665.8	5665.8	5665.8	5665.8
2.5°	5545.4	5553.5	5553.5	5561.5	5561.5	5585.6	5617.7	5649.8	5625.7	5657.8	5665.8
5°	5160.2	5200.4	5232.5	5352.8	5449.1	5529.4	5617.7	5697.9	5722.0	5738.0	5778.2
7.5°	4253.4	4365.7	4574.4	4847.2	5152.2	5449.1	5649.8	5858.4	5890.5	5930.7	5986.8
10°	3619.4	3667.5	3812.0	4092.9	4638.6	5224.4	5714.0	6043.0	6179.4	6259.7	6315.9
12.5°	3723.7	3691.6	3667.5	3707.7	4060.8	4815.1	5673.8	6307.8	6564.6	6652.9	6725.2
15°	3972.5	3940.4	3852.1	3739.8	3779.9	4381.8	5537.4	6556.6	6965.9	7110.4	7262.8
17.5°	4116.9	4084.8	4012.6	3892.2	3787.9	4020.6	5280.6	6781.3	7599.9	7776.5	7993.1
20°	4197.2	4165.1	4092.9	3972.5	3852.1	3884.2	4951.6	7062.2	8322.2	8603.1	8924.1
22.5°	4213.3	4173.1	4092.9	3972.5	3900.3	3876.2	4638.6	7230.7	9100.6	9534.0	9903.1
25°	4205.2	4133.0	4028.7	3940.4	3900.3	3892.2	4421.9	7327.0	9943.3	10633.4	11050.8
27.5°	4149.1	4060.8	3956.4	3892.2	3876.2	3924.3	4325.6	7439.4	10930.4	11813.2	12479.3
30°	4084.8	3956.4	3828.0	3804.0	3844.1	3996.6	4405.9	7479.5	11965.6	13097.2	13779.3
32.5°	3916.3	3820.0	3691.6	3683.6	3779.9	4052.7	4590.4	7423.3	12880.5	14381.2	15239.9
35°	3675.6	3619.4	3547.2	3571.2	3723.7	4100.9	4718.8	7246.8	13715.1	15577.0	16580.2
37.5°	3250.2	3290.3	3330.5	3386.7	3579.3	4092.9	4775.0	6965.9	14405.3	16532.0	17816.0
40°	2776.7	2913.2	3041.6	3186.0	3442.8	4028.7	4791.1	6620.8	14806.6	17254.3	18915.5
42.5°	2479.8	2608.2	2768.7	2977.4	3258.2	3884.2	4775.0	6235.6	14935.0	17751.8	19613.7
45°	2206.9	2359.4	2560.1	2776.7	3097.7	3675.6	4630.6	5818.3	14999.2	17984.6	19910.6
47.5°	2062.5	2150.8	2335.3	2552.0	2889.1	3418.8	4349.7	5513.3	14902.9	18032.7	20271.8
50°	1894.0	2014.3	2134.7	2343.4	2672.4	3097.7	4012.6	5336.8	15063.4	18506.2	20841.6
52.5°	1765.6	1829.8	1958.2	2150.8	2391.5	2800.8	3691.6	5192.3	15504.8	18987.7	21435.4
55°	1669.3	1741.5	1821.7	1982.2	2166.8	2503.9	3362.6	4975.7	16018.4	19501.3	22029.3
57.5°	1516.8	1564.9	1677.3	1845.8	1966.2	2215.0	2977.4	4718.8	15978.3	19100.1	21002.1
60°	*1380.3*	*1428.5*	*1548.9*	*1717.4*	*1789.6*	*1958.2*	*2600.2*	*4389.8*	*15207.8*	*17792.0*	*19108.1*
62.5°	1227.9	1284.0	1428.5	1548.9	1613.1	1741.5	2206.9	3787.9	13602.8	15825.8	16893.1
65°	1163.7	1195.8	1292.1	1436.5	1428.5	1548.9	1861.9	2977.4	10946.4	12094.0	13065.1
67.5°	1235.9	1284.0	1268.0	1308.1	1284.0	1348.2	1669.3	2391.5	8603.1	9108.6	9670.4
70°	1219.8	1332.2	1388.4	1308.1	1123.5	1195.8	1444.5	1910.0	6155.4	6107.2	6083.1
72.5°	1067.4	1179.7	1340.2	1420.5	1099.5	995.1	1251.9	1653.2	3948.4	3932.4	3555.2
75°	906.9	987.1	1179.7	1284.0	947.0	802.5	1075.4	1404.4	2359.4	2391.5	2134.7
77.5°	834.6	794.5	987.1	1131.6	770.4	617.9	866.7	1059.3	1300.1	1316.1	1219.8
80°	601.9	577.8	738.3	826.6	585.8	441.4	489.5	658.1	698.2	626.0	650.0
82.5°	385.2	393.2	441.4	529.7	361.1	240.8	337.1	441.4	377.2	305.0	361.1
85°	248.8	280.9	232.7	272.9	112.4	112.4	144.5	192.6	128.4	88.3	96.3
87.5°	0.0	0.0	16.1	32.1	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: P1501368
CATALOG NUMBER: GSS-SB5D-722-U-T2LG

CANDELA DISTRIBUTION (continued):

	285°	293°	295°	305°	315°	325°	335°	345°	355°	360°
0°	5665.8	5665.8	*5665.8*	5665.8	5665.8	5665.8	5665.8	5665.8	5665.8	5665.8
2.5°	5689.9	5681.9	*5681.9*	5697.9	5738.0	5754.1	5778.2	5770.1	5794.2	5778.2
5°	5802.3	5810.3	*5834.4*	5842.4	5866.5	5898.6	5906.6	5898.6	5914.6	5914.6
7.5°	6027.0	6059.1	*6043.0*	6083.1	6051.0	6010.9	5946.7	5898.6	5858.4	5874.5
10°	6404.1	6388.1	*6380.1*	6307.8	6163.4	5954.7	5786.2	5601.6	5569.5	5537.4
12.5°	6821.5	6805.4	*6805.4*	6556.6	6147.3	5714.0	5328.8	5039.9	4943.5	4935.5
15°	7407.3	7303.0	*7206.7*	6685.0	5866.5	5128.1	4678.7	4454.0	4397.8	4397.8
17.5°	8137.6	7864.7	*7704.2*	6588.7	5409.0	4742.9	4478.1	4421.9	4405.9	4446.0
20°	9044.4	8354.3	*8121.5*	6372.0	5240.5	4791.1	4662.7	4670.7	4678.7	4734.9
22.5°	10039.6	8803.7	*8418.5*	6372.0	5409.0	5096.0	5031.8	5120.1	5144.2	5192.3
25°	11147.1	9205.0	*8683.3*	6709.1	5906.6	5673.8	5593.6	5681.9	5746.1	5826.3
27.5°	12391.0	9622.3	*9140.8*	7319.0	6548.6	6404.1	6315.9	6356.0	6444.3	6540.6
30°	13506.5	10320.5	*9838.9*	8249.9	7423.3	7246.8	7094.3	7158.5	7254.8	7319.0
32.5°	14493.6	11171.1	*10761.8*	9229.0	8426.5	8121.5	7953.0	7937.0	8129.6	8081.4
35°	15400.4	12174.3	*11781.1*	10344.5	9445.7	9068.5	8843.8	9132.7	9004.3	9052.5
37.5°	16114.7	13217.6	*12904.6*	11411.9	10505.0	9991.4	9855.0	10208.1	10408.7	10464.9
40°	16700.5	14124.4	*13795.4*	12471.2	11476.1	11098.9	11315.6	11901.4	11877.4	11853.3
42.5°	17149.9	14902.9	*14541.7*	13273.8	12407.0	12479.3	12647.8	13041.0	13137.3	13000.9
45°	17350.6	15392.4	*15103.5*	13907.7	13466.4	13883.7	13955.9	14124.4	14060.2	13971.9
47.5°	17583.3	15825.8	*15520.8*	14485.6	14614.0	15023.3	14878.8	14742.4	14509.6	14373.2
50°	17976.5	16339.4	*16082.6*	15328.2	15793.7	15657.2	15095.5	14790.5	14317.0	14156.5
52.5°	18722.9	17310.4	*17117.8*	16660.4	16347.4	15560.9	14878.8	14333.1	13803.4	13586.7
55°	19389.0	18626.6	*18514.2*	17904.3	16178.9	15055.4	14140.5	13297.8	12391.0	12206.4
57.5°	19774.2	20809.5	*20937.9*	18434.0	15408.5	13907.7	12559.5	11211.3	10352.6	10200.1
60°	*18626.6*	*23168.9*	*23233.1*	*18329.7*	*14020.1*	*11837.2*	*9782.8*	*8827.8*	*7904.9*	*7640.0*
62.5°	17045.6	22679.3	*22623.2*	17703.7	11163.1	8635.2	7431.4	6982.0	6267.7	6051.0
65°	14654.1	18891.4	*18955.6*	15296.1	7423.3	6243.6	6243.6	5673.8	4879.3	4726.9
67.5°	11941.6	14565.8	*14421.4*	9919.2	4558.3	4999.7	5240.5	4421.9	3306.4	3121.8
70°	7760.4	11123.0	*10922.4*	5722.0	2865.0	4165.1	4125.0	3322.5	2367.4	2239.0
72.5°	3338.5	6428.2	*6837.5*	2921.2	2158.8	3354.6	3290.3	2327.3	1581.0	1524.8
75°	2014.3	3234.2	*3523.1*	1861.9	1572.9	2528.0	2279.2	1476.6	1075.4	1035.3
77.5°	1276.0	1773.6	*1757.5*	1396.4	1179.7	1709.4	1532.8	1019.2	730.3	698.2
80°	738.3	874.8	*906.9*	874.8	794.5	1219.8	979.1	738.3	569.8	529.7
82.5°	473.5	545.7	*553.7*	425.3	441.4	786.5	529.7	433.4	329.0	296.9
85°	208.7	232.7	*224.7*	144.5	144.5	321.0	184.6	176.6	128.4	128.4
87.5°	8.0	16.1	*8.0*	8.0	8.0	32.1	16.1	24.1	24.1	24.1
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: SP1-2407-184-2

Test Date: 10/09/2024

Luminaire Tested: GSS-SB1A-722-U-5WQ

Data in this report applies to families of products including GSS-SB1A-722-U-5WQ

Report Generated By FNC07603 / LDUCLS01DT446
Version: v7.04

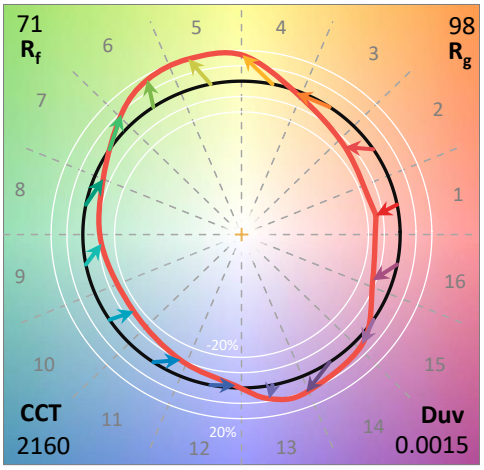
Test Information

Test Method:	LM-79-2019
Report Number:	SP1-2407-184-2
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-722-U-5WQ**
Description:	GALLEON II SITE SLIM 1SQ 350MA 5WQ HIGH DENSITY LIGHTSQUARE WITH 70 CRI 2200K CCT 26 LEDS

Spectral Parameters

CCT (K):	2160
CIE u':	0.2927
CIE v':	0.5388
Duv:	0.0015
CIE x:	0.5130
CIE y:	0.4197
CIE z:	0.0674
Peak Wavelength (nm):	609
Dominant Wavelength (nm):	587
Purity:	79.96089
Rf:	70.6
Rg:	97.6

CRI (Ra):	71.9
R1:	68.7
R2:	82.6
R3:	95.5
R4:	66.4
R5:	65.4
R6:	75.9
R7:	77.2
R8:	43.5
R9:	-17.8
R10:	60.5
R11:	60.2
R12:	48.2
R13:	70.7
R14:	96.8
R15:	61.8



Test Conditions

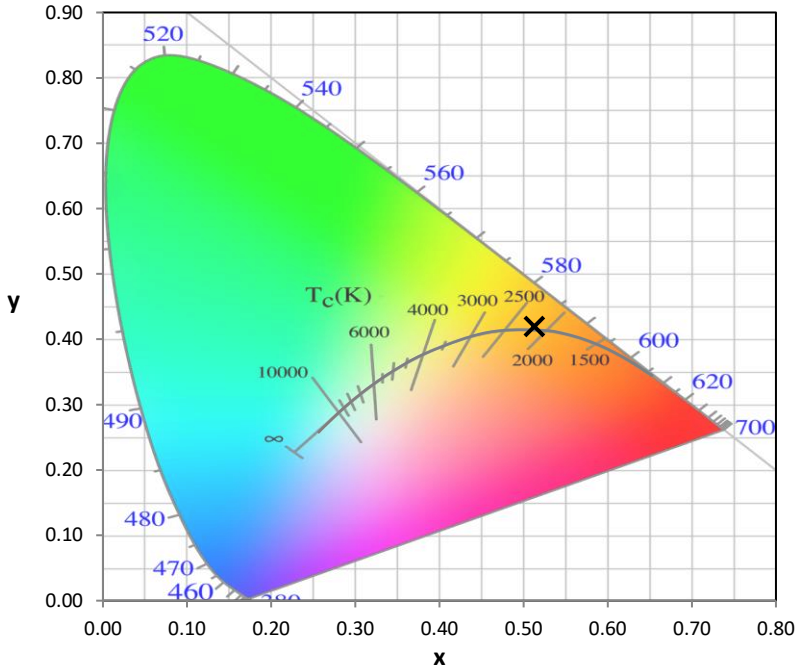
Stabilization Time:	21M
Operation Time:	1H 21M
Sphere Temperature (°C):	25.2

REPORT NUMBER: SP1-2407-184-2

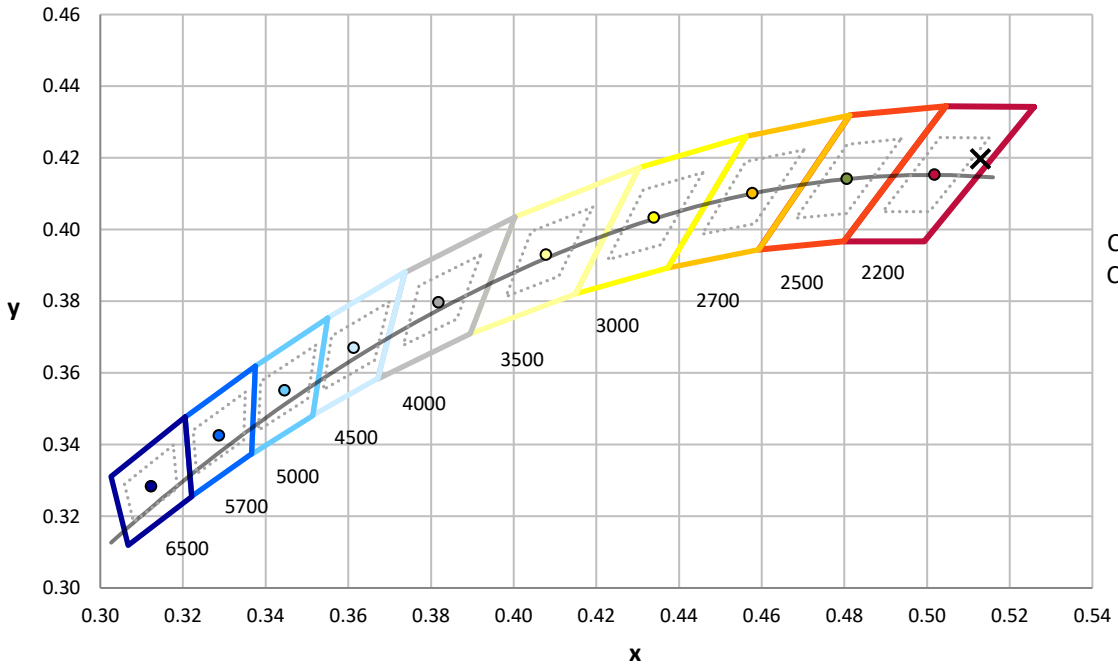
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

REPORT NUMBER: SP1-2407-184-2

CIE 1931 Chromaticity Diagram



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

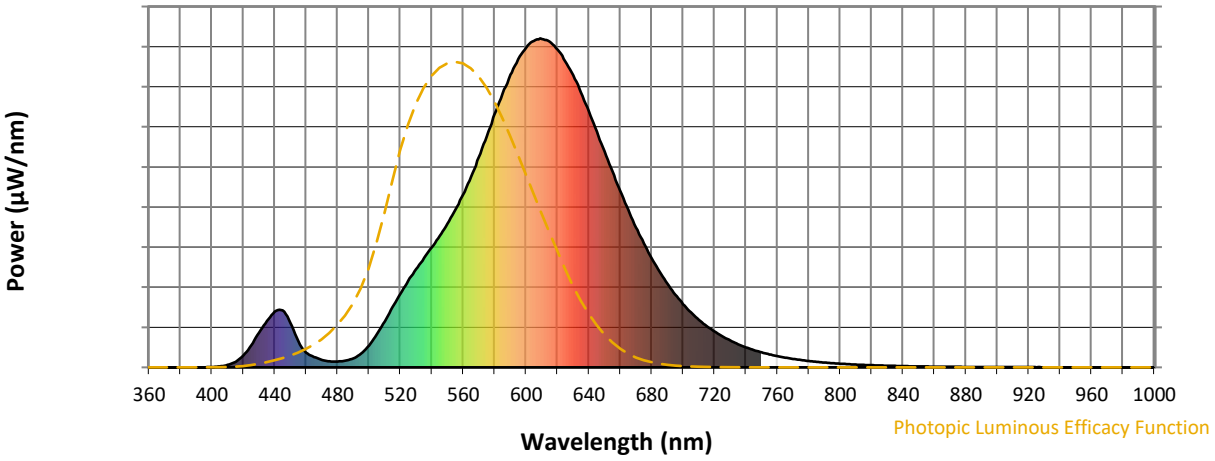


CCT = 2160K
CIE x = 0.5130
CIE y = 0.4197
Duv = 0.0015

Point lies inside the ANSI 2200K 7-step quadrangle

REPORT NUMBER: SP1-2407-184-2

Photopic Flux vs. Wavelength

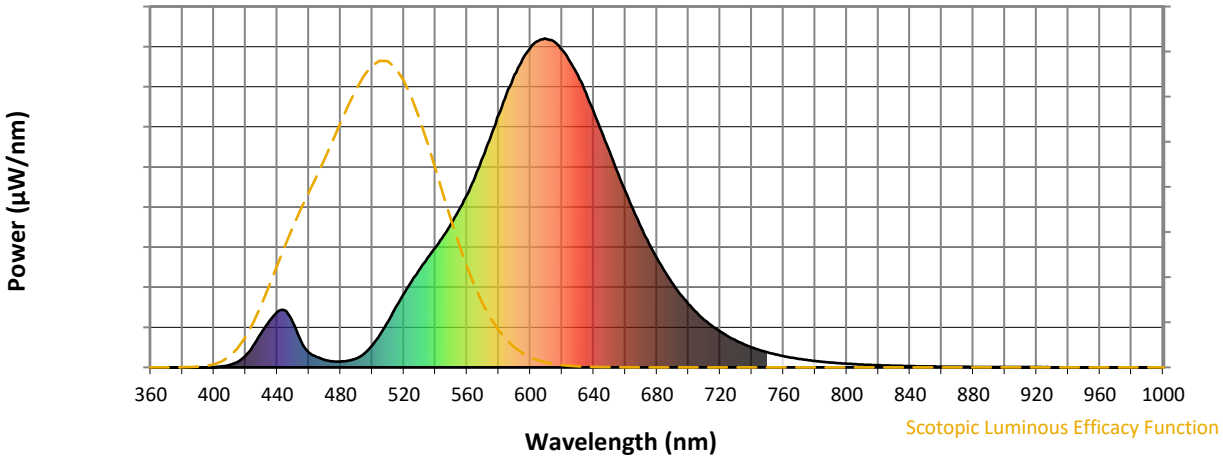


Photopic Lumens: NR

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	27	NR	620	966	NR	750	46	NR	880	1	NR
365	0	NR	495	42	NR	625	930	NR	755	39	NR	885	1	NR
370	0	NR	500	67	NR	630	888	NR	760	34	NR	890	1	NR
375	0	NR	505	101	NR	635	835	NR	765	30	NR	895	1	NR
380	0	NR	510	139	NR	640	778	NR	770	26	NR	900	1	NR
385	0	NR	515	183	NR	645	717	NR	775	22	NR	905	1	NR
390	0	NR	520	224	NR	650	656	NR	780	19	NR	910	1	NR
395	0	NR	525	262	NR	655	595	NR	785	17	NR	915	1	NR
400	1	NR	530	299	NR	660	536	NR	790	15	NR	920	1	NR
405	3	NR	535	332	NR	665	480	NR	795	13	NR	925	1	NR
410	7	NR	540	365	NR	670	425	NR	800	11	NR	930	1	NR
415	17	NR	545	400	NR	675	376	NR	805	10	NR	935	0	NR
420	36	NR	550	437	NR	680	332	NR	810	8	NR	940	0	NR
425	67	NR	555	479	NR	685	291	NR	815	8	NR	945	0	NR
430	105	NR	560	525	NR	690	255	NR	820	7	NR	950	0	NR
435	141	NR	565	579	NR	695	221	NR	825	6	NR	955	0	NR
440	169	NR	570	639	NR	700	192	NR	830	5	NR	960	0	NR
445	173	NR	575	703	NR	705	167	NR	835	4	NR	965	0	NR
450	136	NR	580	769	NR	710	144	NR	840	4	NR	970	0	NR
455	80	NR	585	832	NR	715	125	NR	845	3	NR	975	0	NR
460	45	NR	590	890	NR	720	109	NR	850	3	NR	980	0	NR
465	32	NR	595	937	NR	725	94	NR	855	3	NR	985	0	NR
470	23	NR	600	972	NR	730	81	NR	860	2	NR	990	0	NR
475	18	NR	605	992	NR	735	70	NR	865	2	NR	995	0	NR
480	18	NR	610	998	NR	740	61	NR	870	2	NR	1000	0	NR
485	20	NR	615	990	NR	745	53	NR	875	2	NR			

REPORT NUMBER: SP1-2407-184-2

Scotopic Flux vs. Wavelength

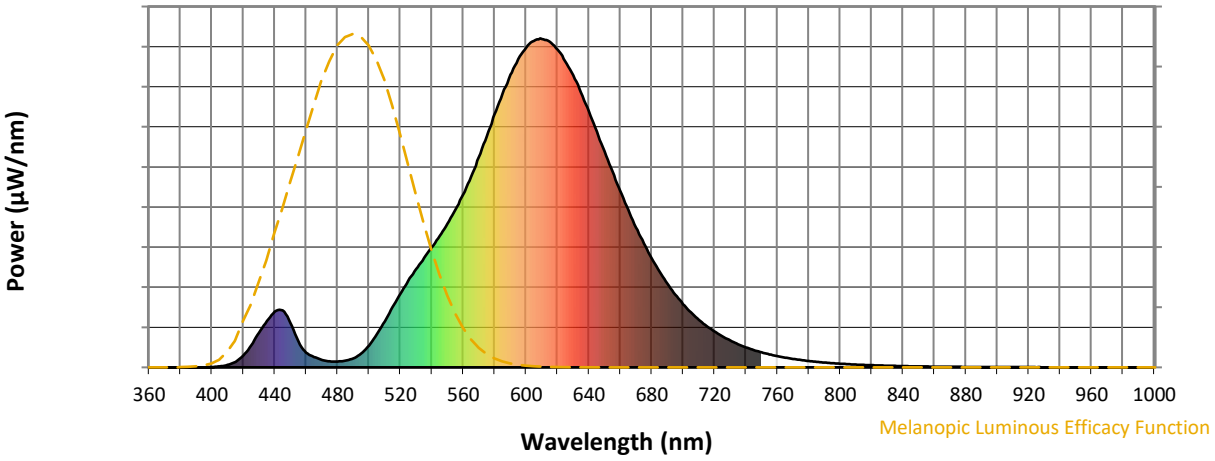


Scotopic Lumens: NR **S/P: 0.8**

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	27	NR	620	966	NR	750	46	NR	880	1	NR
365	0	NR	495	42	NR	625	930	NR	755	39	NR	885	1	NR
370	0	NR	500	67	NR	630	888	NR	760	34	NR	890	1	NR
375	0	NR	505	101	NR	635	835	NR	765	30	NR	895	1	NR
380	0	NR	510	139	NR	640	778	NR	770	26	NR	900	1	NR
385	0	NR	515	183	NR	645	717	NR	775	22	NR	905	1	NR
390	0	NR	520	224	NR	650	656	NR	780	19	NR	910	1	NR
395	0	NR	525	262	NR	655	595	NR	785	17	NR	915	1	NR
400	1	NR	530	299	NR	660	536	NR	790	15	NR	920	1	NR
405	3	NR	535	332	NR	665	480	NR	795	13	NR	925	1	NR
410	7	NR	540	365	NR	670	425	NR	800	11	NR	930	1	NR
415	17	NR	545	400	NR	675	376	NR	805	10	NR	935	0	NR
420	36	NR	550	437	NR	680	332	NR	810	8	NR	940	0	NR
425	67	NR	555	479	NR	685	291	NR	815	8	NR	945	0	NR
430	105	NR	560	525	NR	690	255	NR	820	7	NR	950	0	NR
435	141	NR	565	579	NR	695	221	NR	825	6	NR	955	0	NR
440	169	NR	570	639	NR	700	192	NR	830	5	NR	960	0	NR
445	173	NR	575	703	NR	705	167	NR	835	4	NR	965	0	NR
450	136	NR	580	769	NR	710	144	NR	840	4	NR	970	0	NR
455	80	NR	585	832	NR	715	125	NR	845	3	NR	975	0	NR
460	45	NR	590	890	NR	720	109	NR	850	3	NR	980	0	NR
465	32	NR	595	937	NR	725	94	NR	855	3	NR	985	0	NR
470	23	NR	600	972	NR	730	81	NR	860	2	NR	990	0	NR
475	18	NR	605	992	NR	735	70	NR	865	2	NR	995	0	NR
480	18	NR	610	998	NR	740	61	NR	870	2	NR	1000	0	NR
485	20	NR	615	990	NR	745	53	NR	875	2	NR			

REPORT NUMBER: SP1-2407-184-2

Melanopic Flux vs. Wavelength



Melanopic Lumens: NR **M/P: 1.21**

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	27	NR	620	966	NR	750	46	NR	880	1	NR
365	0	NR	495	42	NR	625	930	NR	755	39	NR	885	1	NR
370	0	NR	500	67	NR	630	888	NR	760	34	NR	890	1	NR
375	0	NR	505	101	NR	635	835	NR	765	30	NR	895	1	NR
380	0	NR	510	139	NR	640	778	NR	770	26	NR	900	1	NR
385	0	NR	515	183	NR	645	717	NR	775	22	NR	905	1	NR
390	0	NR	520	224	NR	650	656	NR	780	19	NR	910	1	NR
395	0	NR	525	262	NR	655	595	NR	785	17	NR	915	1	NR
400	1	NR	530	299	NR	660	536	NR	790	15	NR	920	1	NR
405	3	NR	535	332	NR	665	480	NR	795	13	NR	925	1	NR
410	7	NR	540	365	NR	670	425	NR	800	11	NR	930	1	NR
415	17	NR	545	400	NR	675	376	NR	805	10	NR	935	0	NR
420	36	NR	550	437	NR	680	332	NR	810	8	NR	940	0	NR
425	67	NR	555	479	NR	685	291	NR	815	8	NR	945	0	NR
430	105	NR	560	525	NR	690	255	NR	820	7	NR	950	0	NR
435	141	NR	565	579	NR	695	221	NR	825	6	NR	955	0	NR
440	169	NR	570	639	NR	700	192	NR	830	5	NR	960	0	NR
445	173	NR	575	703	NR	705	167	NR	835	4	NR	965	0	NR
450	136	NR	580	769	NR	710	144	NR	840	4	NR	970	0	NR
455	80	NR	585	832	NR	715	125	NR	845	3	NR	975	0	NR
460	45	NR	590	890	NR	720	109	NR	850	3	NR	980	0	NR
465	32	NR	595	937	NR	725	94	NR	855	3	NR	985	0	NR
470	23	NR	600	972	NR	730	81	NR	860	2	NR	990	0	NR
475	18	NR	605	992	NR	735	70	NR	865	2	NR	995	0	NR
480	18	NR	610	998	NR	740	61	NR	870	2	NR	1000	0	NR
485	20	NR	615	990	NR	745	53	NR	875	2	NR			

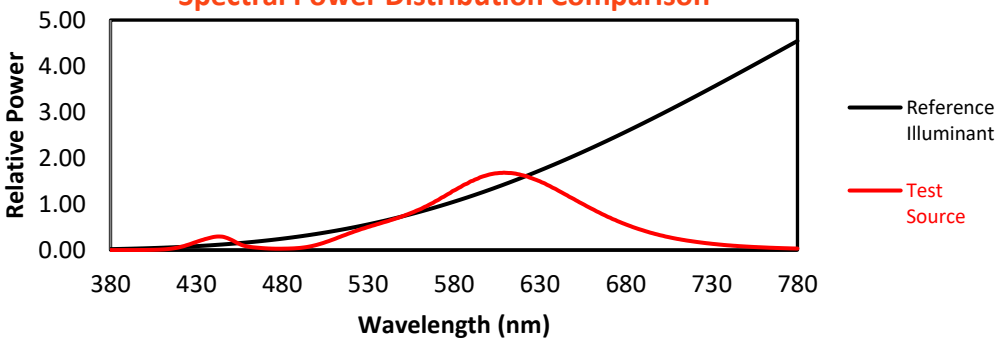
REPORT NUMBER: SP1-2407-184-2

TM-30-18

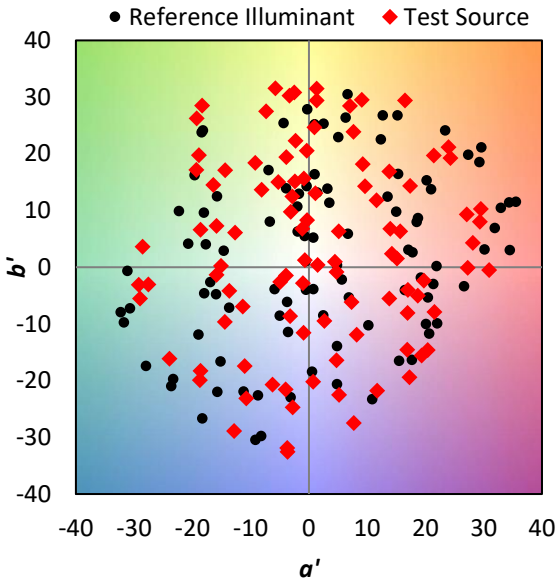
Summary

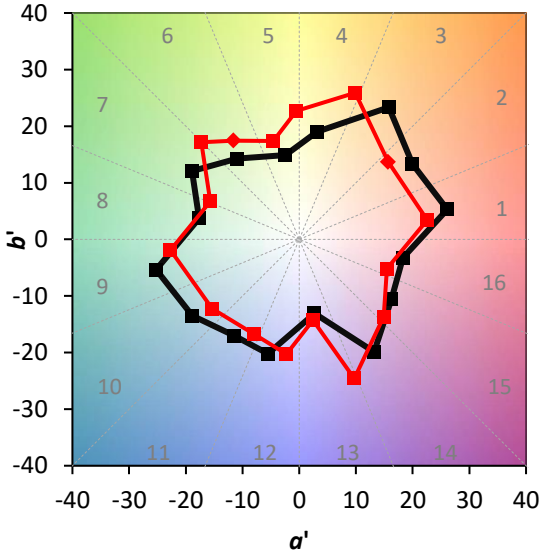
R_f = 70.6
R_g = 97.6
CIE R_a = 71.9
R_9 = -17.8

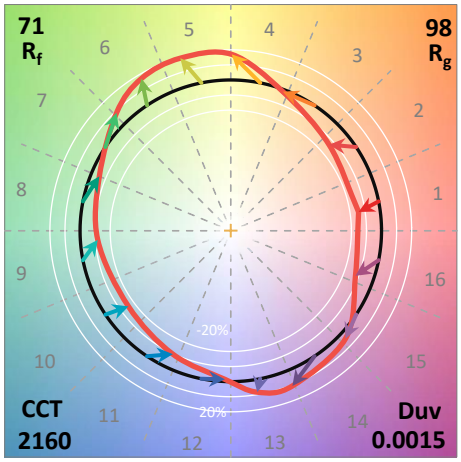
Spectral Power Distribution Comparison

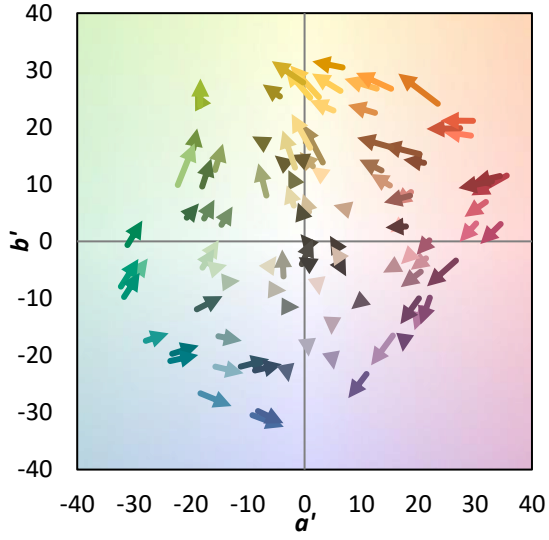


Color Vector Graphics







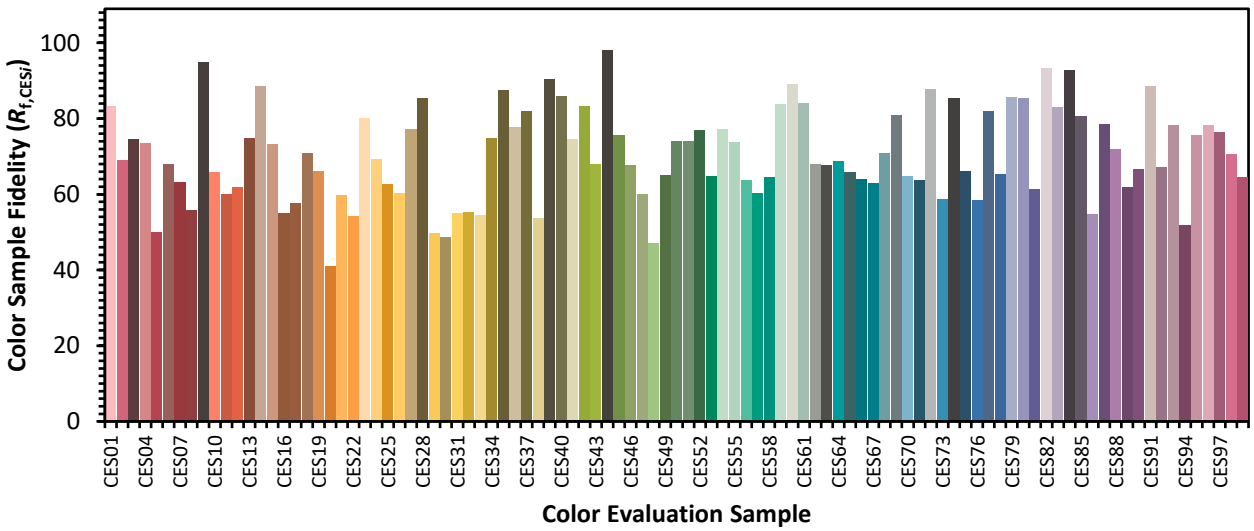


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Individual Sample Fidelity Index ($R_{f,i}$)

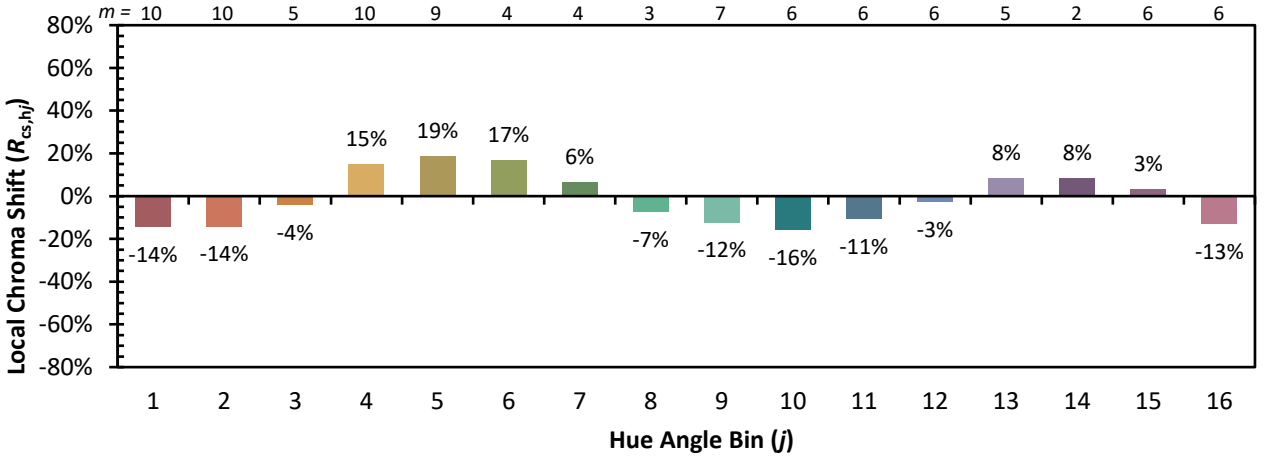
CES01 = 87	CES26 = 60	CES51 = 74	CES76 = 58
CES02 = 65	CES27 = 77	CES52 = 77	CES77 = 82
CES03 = 32	CES28 = 85	CES53 = 65	CES78 = 65
CES04 = 72	CES29 = 50	CES54 = 77	CES79 = 86
CES05 = 52	CES30 = 49	CES55 = 74	CES80 = 85
CES06 = 53	CES31 = 55	CES56 = 64	CES81 = 61
CES07 = 44	CES32 = 55	CES57 = 60	CES82 = 93
CES08 = 43	CES33 = 55	CES58 = 64	CES83 = 83
CES09 = 29	CES34 = 75	CES59 = 84	CES84 = 93
CES10 = 79	CES35 = 88	CES60 = 89	CES85 = 81
CES11 = 62	CES36 = 78	CES61 = 84	CES86 = 55
CES12 = 68	CES37 = 82	CES62 = 68	CES87 = 79
CES13 = 45	CES38 = 54	CES63 = 68	CES88 = 72
CES14 = 75	CES39 = 90	CES64 = 69	CES89 = 62
CES15 = 72	CES40 = 86	CES65 = 66	CES90 = 67
CES16 = 49	CES41 = 75	CES66 = 64	CES91 = 89
CES17 = 51	CES42 = 83	CES67 = 63	CES92 = 67
CES18 = 57	CES43 = 68	CES68 = 71	CES93 = 78
CES19 = 74	CES44 = 98	CES69 = 81	CES94 = 52
CES20 = 68	CES45 = 76	CES70 = 65	CES95 = 76
CES21 = 89	CES46 = 68	CES71 = 64	CES96 = 78
CES22 = 81	CES47 = 60	CES72 = 88	CES97 = 76
CES23 = 92	CES48 = 47	CES73 = 59	CES98 = 71
CES24 = 92	CES49 = 65	CES74 = 85	CES99 = 65
CES25 = 74	CES50 = 74	CES75 = 66	

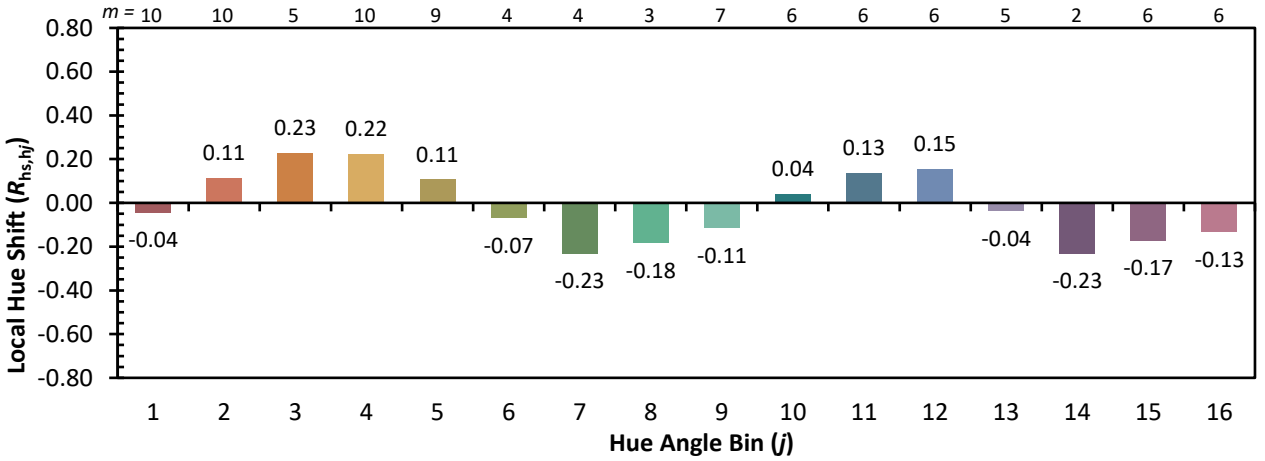


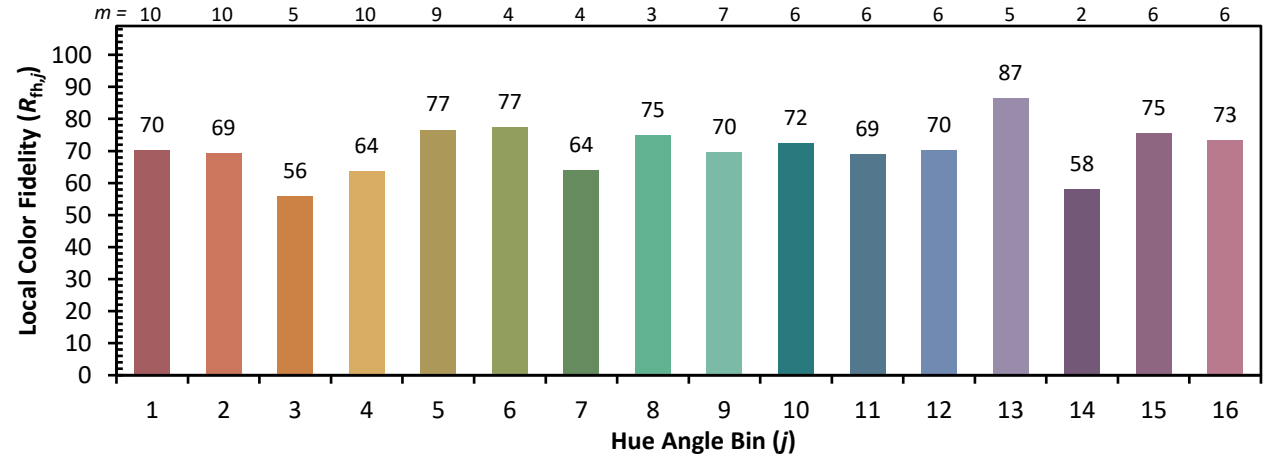
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Color Rendition by Hue-Angle Bin



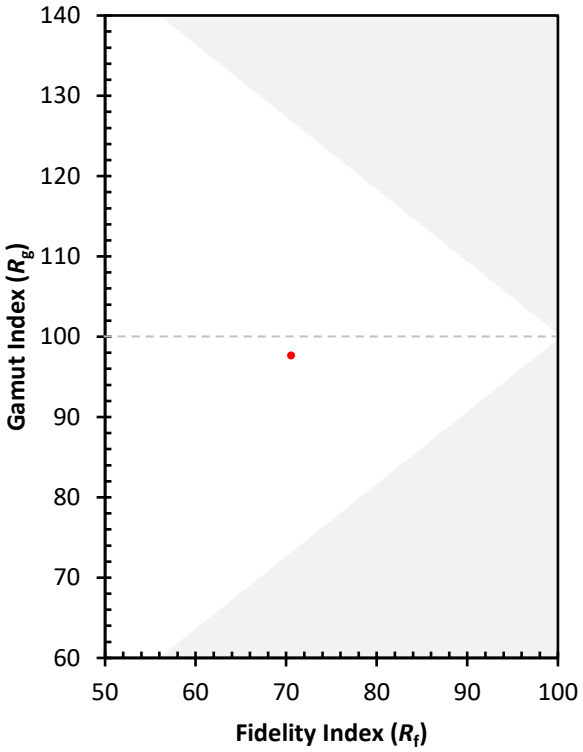


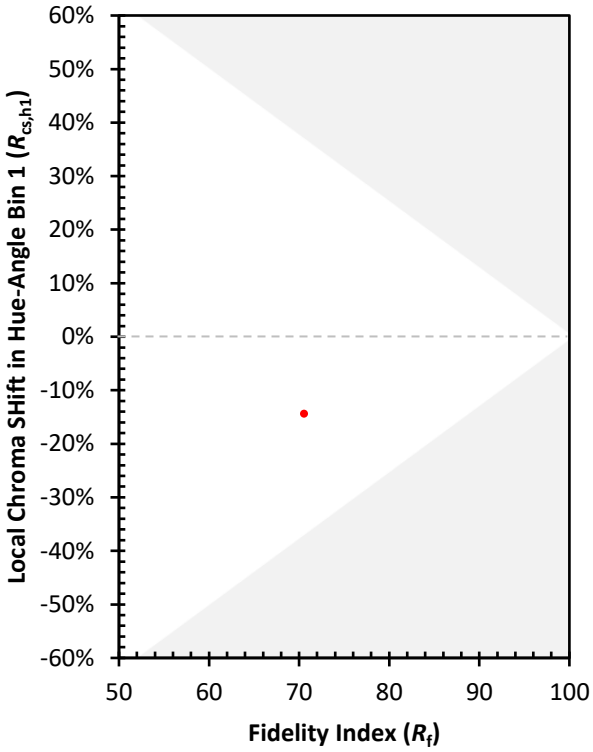


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Measure Comparisons





(END OF REPORT)