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

Scaled data based on original data using

LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-State Lighting Products

Test Report Prepared for

Cooper Lighting Solutions

(formerly Eaton)

Brand: McGRAW-EDISON

Report Number: P1364544

Luminaire Tested: **GSS-SB5B-722-U-SLR-HSS**

Issue Date: 02/18/2026

Report Generated By 670245763

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Peachtree City, GA 30269

Scaled Data Report

Test Information

Test Method:	LM-79-08
Report Number:	P1364544
Test Lab:	INNOVATION CENTER(G1)
Issue Date:	02/18/2026
Manufacturer:	COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line:	McGRAW-EDISON
Catalog Number:	GSS-SB5B-722-U-SLR-HSS
Description:	GALLEON II SLIM SITE HIGH DENSITY LED ARRAYS 5SQUARE 184W 70CRI 2200K FIXTURE w/ 90° Spill Light Eliminator RIGHT OPTIC AND HOUSE SIDE SHIELD
Light Source:	(130) 2200K CCT, 70 CRI LEDS
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	17116.5 lumens
Efficiency:	N/A
Efficacy:	93.0 lumens/watt
Luminous Opening:	Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification:	Type III - Short
BUG Rating:	B2 - U0 - G3

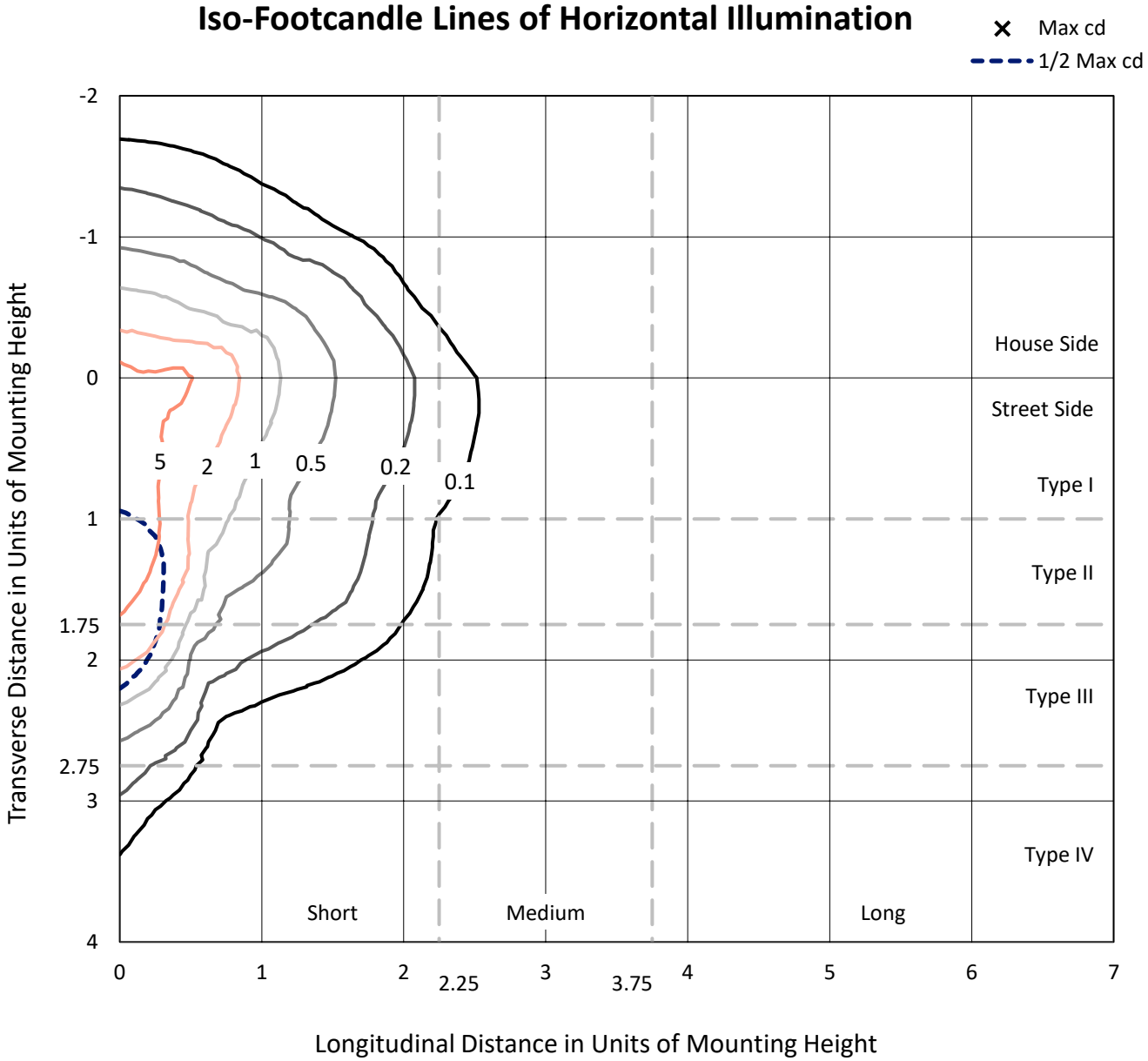
Input Watts (W):	184
Input Voltage (V):	120
Input Current (Ain):	NR
Voltage Rise (V):	NR
Power Factor:	0.98
Total Harmonic Distortion (THDi):	11.1%
Frequency (hertz):	60
Stabilization Time:	NR
Operation Time:	NR
Ambient Temperature (°C):	NR
Test Distance:	28.75 FT

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Iso-Footcandle Lines of Horizontal Illumination



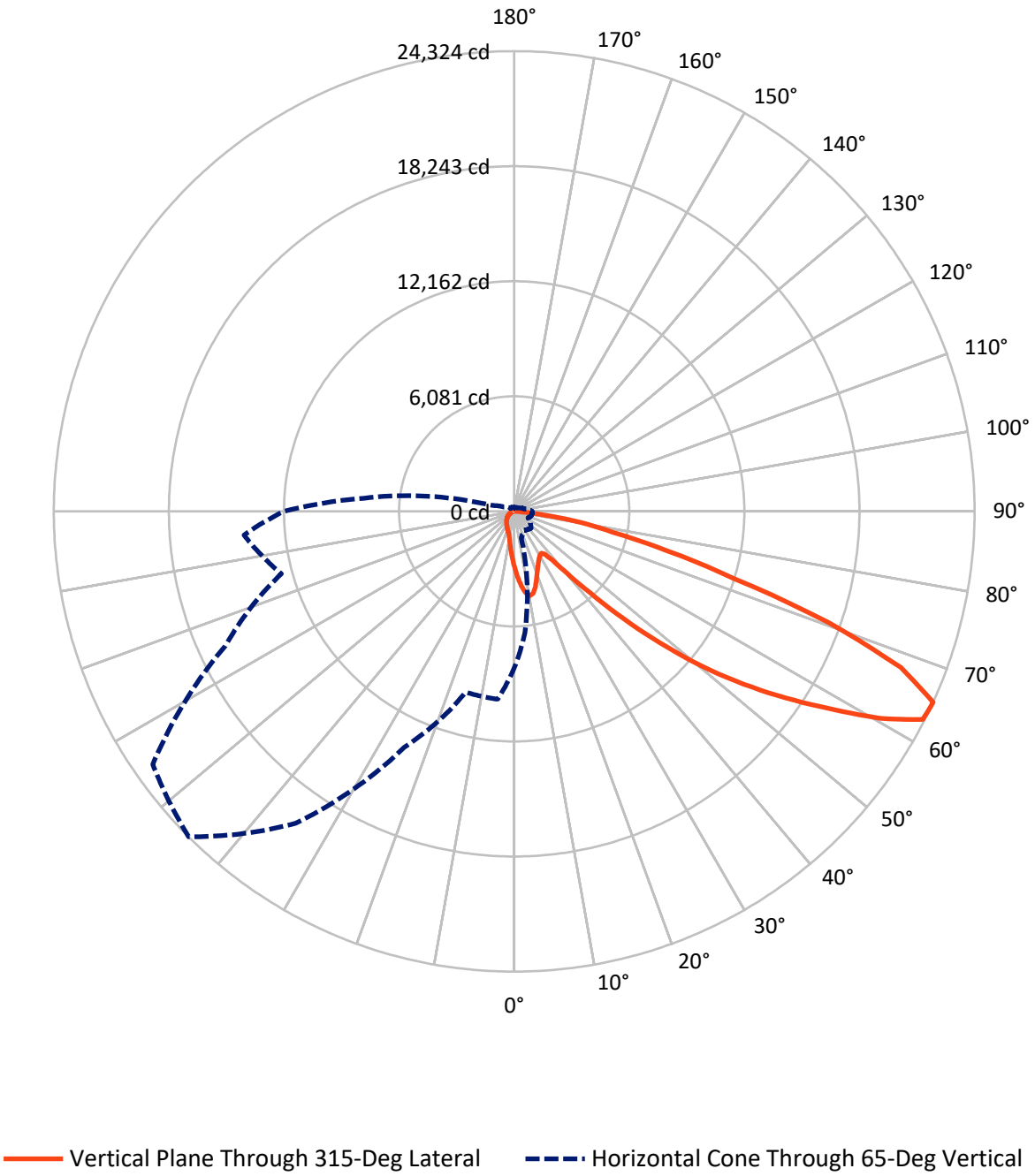
Based on 20 foot mounting height. Maximum calculated value = 9.4 fc
Type III - Short - N/A

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Luminous Intensity Polar Plot



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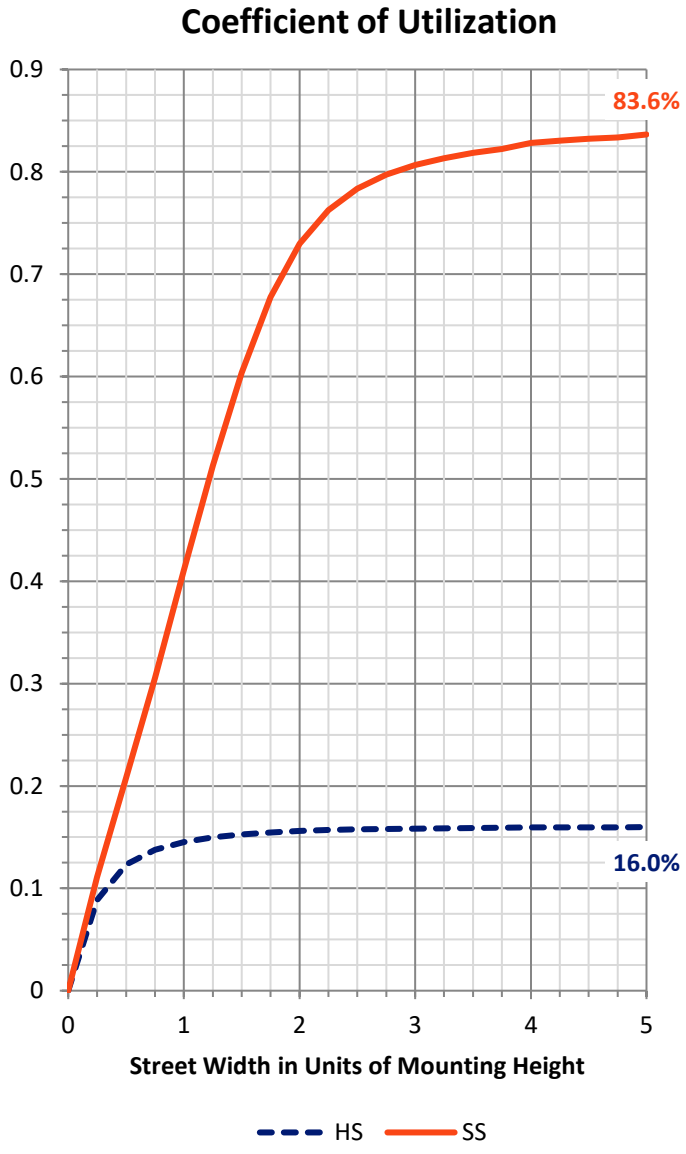
REPORT NUMBER: P1364544
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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2767.0	0.0	2767.0
	% Fixture	16.2	0.0	16.2
Street Side	Lumens	14349.5	0.0	14349.5
	% Fixture	83.8	0.0	83.8
Total	Lumens	17116.5	0.0	17116.5
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	284.4	1.7
10°-20°	786.5	4.6
20°-30°	1126.5	6.6
30°-40°	1412.9	8.3
40°-50°	2321.0	13.6
50°-60°	4188.4	24.5
60°-70°	4648.3	27.2
70°-80°	2100.1	12.3
80°-90°	248.3	1.5
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°	17116.5	100.0
0°-180°	17116.5	100.0



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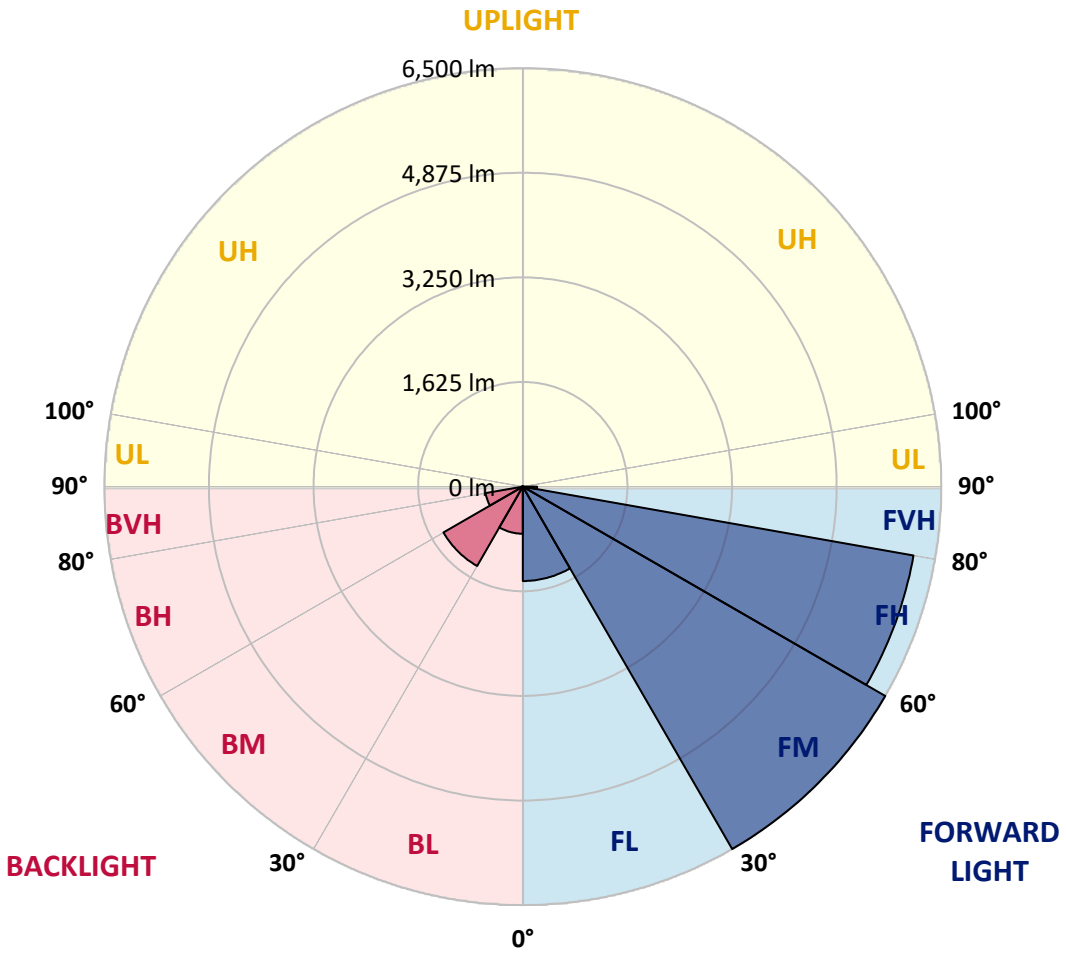
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	1466.2	8.6			
FM	(30°-60°)	6499.6	38.0			
FH	(60°-80°)	6160.8	36.0			G3/7500
FVH	(80°-90°)	222.9	1.3			G2/225
BL	(0°-30°)	731.2	4.3	B2/1000		
BM	(30°-60°)	1422.8	8.3	B2/2500		
BH	(60°-80°)	587.6	3.4	B2/1000		G2/1000
BVH	(80°-90°)	25.4	0.1			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G3
Type III Short



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CANDELA DISTRIBUTION (FULL):

	0°	1°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	2959.1	2959.1	2959.1	2959.1	2959.1	2959.1	2959.1	2959.1	2959.1	2959.1	2959.1
2.5°	3337.5	3334.4	3321.7	3242.9	3164.1	3095.7	3027.4	2959.1	2864.5	2790.9	2727.8
5°	3652.9	3636.0	3568.8	3447.9	3316.5	3200.9	3069.5	2943.3	2801.4	2685.8	2564.9
7.5°	3868.4	3851.5	3784.3	3584.5	3384.8	3242.9	3101.0	2969.6	2811.9	2659.5	2486.1
10°	3968.2	3949.3	3873.6	3658.1	3426.9	3253.4	3111.5	2990.6	2859.2	2706.8	2491.3
12.5°	4036.5	4013.4	3920.9	3673.9	3437.4	3263.9	3116.8	3001.1	2906.5	2817.2	2606.9
15°	4078.6	4057.6	3973.5	3715.9	3442.6	3248.2	3074.7	2964.3	2932.8	2948.6	2848.7
17.5°	4141.7	4121.7	4041.8	3768.5	3474.2	3221.9	2985.4	2864.5	2932.8	3074.7	3106.2
20°	4225.8	4204.7	4120.6	3836.8	3500.4	3143.0	2817.2	2701.5	2875.0	3111.5	3274.4
22.5°	4320.4	4303.5	4236.3	3915.7	3526.7	3027.4	2596.4	2543.9	2754.1	3006.4	3216.6
25°	4436.0	4420.2	4357.2	4026.0	3553.0	2869.7	2407.2	2417.7	2596.4	2796.2	3011.6
27.5°	4593.7	4579.0	4520.1	4162.7	3584.5	2706.8	2254.8	2307.3	2438.7	2575.4	2706.8
30°	4767.1	4755.6	4709.3	4325.6	3647.6	2554.4	2165.4	2197.0	2286.3	2396.7	2475.5
32.5°	5003.6	4984.7	4909.0	4478.0	3642.4	2438.7	2123.4	2091.9	2118.1	2207.5	2286.3
35°	5298.0	5283.3	5224.4	4635.7	3547.7	2333.6	2102.4	1992.0	1976.2	2028.8	2107.6
37.5°	5729.0	5716.3	5665.9	4893.3	3400.6	2202.2	2049.8	1886.9	1834.3	1871.1	1923.7
40°	6375.4	6342.8	6212.5	5187.6	3237.6	2070.8	1955.2	1760.7	1687.2	1713.4	1771.2
42.5°	7253.2	7191.2	6943.1	5581.8	3016.9	1944.7	1813.3	1634.6	1555.8	1571.5	1624.1
45°	8377.9	8284.4	7910.2	6123.1	2785.6	1844.8	1666.1	1503.2	1419.1	1434.9	1492.7
47.5°	9691.9	9563.7	9050.7	6690.8	2538.6	1787.0	1550.5	1371.8	1308.7	1345.5	1403.3
50°	11242.4	11113.1	10595.9	7053.4	2338.9	1750.2	1461.1	1250.9	1224.6	1271.9	1319.2
52.5°	12934.8	12750.9	12015.0	6822.2	2176.0	1718.7	1429.6	1166.8	1177.3	1214.1	1261.4
55°	14579.9	14171.0	12535.4	6054.8	1965.7	1681.9	1450.6	1103.7	1130.0	1177.3	1214.1
57.5°	15652.1	14941.5	12099.1	4877.5	1745.0	1639.8	1466.4	1072.2	1093.2	1145.8	1187.8
60°	14716.6	14001.8	11142.6	3652.9	1555.8	1550.5	1440.1	1061.7	1030.2	1103.7	1140.5
62.5°	12057.1	11468.4	9113.8	2333.6	1377.1	1382.3	1382.3	1056.4	925.0	1019.6	1051.2
65°	*8283.3*	*7915.4*	*6443.8*	*1445.4*	*1124.8*	*1177.3*	*1256.2*	*1024.9*	*814.7*	*925.0*	*956.6*
67.5°	5445.1	5175.0	4094.4	893.5	867.2	967.1	1088.0	961.8	730.6	830.4	851.5
70°	2953.8	2748.8	1928.9	588.7	567.6	756.9	856.7	814.7	657.0	741.1	762.1
72.5°	1949.9	1781.8	1109.0	415.2	415.2	593.9	599.2	667.5	588.7	657.0	678.0
75°	1466.4	1316.1	714.8	289.1	320.6	378.4	467.8	478.3	494.1	557.1	583.4
77.5°	672.8	590.8	262.8	173.4	236.5	262.8	357.4	304.8	367.9	415.2	425.7
80°	388.9	340.6	147.2	115.6	152.4	168.2	294.3	178.7	220.7	294.3	310.1
82.5°	162.9	145.1	73.6	78.8	94.6	99.9	162.9	126.1	141.9	194.5	189.2
85°	47.3	47.3	47.3	52.6	57.8	57.8	94.6	89.4	84.1	89.4	89.4
87.5°	31.5	31.5	31.5	31.5	36.8	36.8	42.0	47.3	52.6	52.6	52.6
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°	2959.1	2959.1	2959.1	2959.1	2959.1	2959.1	2959.1	2959.1	2959.1	2959.1	2959.1
2.5°	2701.5	2664.8	2617.4	2549.1	2538.6	2501.8	2475.5	2501.8	2528.1	2575.4	2580.7
5°	2501.8	2444.0	2333.6	2249.5	2154.9	2107.6	2102.4	2091.9	2123.4	2191.7	2233.8
7.5°	2391.4	2296.8	2097.1	1949.9	1818.5	1771.2	1734.5	1766.0	1760.7	1850.1	1886.9
10°	2365.2	2218.0	1939.4	1718.7	1555.8	1492.7	1455.9	1450.6	1461.1	1513.7	1550.5
12.5°	2459.8	2270.6	1876.4	1550.5	1361.3	1293.0	1250.9	1214.1	1214.1	1224.6	1271.9
15°	2670.0	2444.0	1913.2	1471.7	1266.7	1177.3	1109.0	1061.7	1024.9	1030.2	1035.4
17.5°	2964.3	2696.3	2007.8	1445.4	1208.9	1114.3	1030.2	982.9	940.8	930.3	930.3
20°	3195.6	2938.1	2081.3	1424.4	1161.6	1040.7	967.1	925.0	888.3	872.5	872.5
22.5°	3221.9	3037.9	2144.4	1398.1	1103.7	967.1	898.8	862.0	835.7	830.4	830.4
25°	3048.4	2959.1	2123.4	1366.5	1045.9	898.8	846.2	814.7	788.4	783.1	788.4
27.5°	2759.4	2712.1	2049.8	1324.5	998.6	846.2	798.9	772.6	746.3	741.1	746.3
30°	2501.8	2449.3	1923.7	1256.2	961.8	804.2	751.6	725.3	699.0	699.0	704.3
32.5°	2291.6	2239.0	1797.5	1177.3	914.5	756.9	709.5	683.3	657.0	657.0	667.5
35°	2102.4	2060.3	1697.7	1098.5	867.2	714.8	662.2	641.2	620.2	614.9	625.5
37.5°	1939.4	1918.4	1608.3	1014.4	819.9	672.8	625.5	604.4	578.2	572.9	583.4
40°	1781.8	1771.2	1508.4	940.8	762.1	630.7	583.4	562.4	530.8	530.8	541.4
42.5°	1634.6	1629.3	1419.1	893.5	709.5	588.7	536.1	515.1	488.8	488.8	499.3
45°	1519.0	1513.7	1335.0	867.2	657.0	541.4	494.1	467.8	446.8	452.0	462.5
47.5°	1413.8	1403.3	1245.7	872.5	630.7	509.8	446.8	420.5	404.7	415.2	431.0
50°	1329.7	1319.2	1182.6	877.7	588.7	467.8	410.0	383.7	373.2	388.9	404.7
52.5°	1277.2	1266.7	1119.5	846.2	536.1	436.2	373.2	357.4	357.4	373.2	383.7
55°	1224.6	1214.1	1014.4	777.9	478.3	404.7	346.9	336.4	336.4	352.1	362.7
57.5°	1193.1	1172.1	904.0	699.0	431.0	367.9	320.6	320.6	320.6	325.9	331.1
60°	1145.8	1093.2	788.4	599.2	394.2	331.1	299.6	294.3	294.3	289.1	294.3
62.5°	1045.9	956.6	662.2	509.8	352.1	299.6	273.3	268.1	252.3	236.5	241.8
65°	*946.1*	*809.4*	*525.6*	*425.7*	*304.8*	*257.5*	*241.8*	*236.5*	*210.2*	*189.2*	*194.5*
67.5°	819.9	646.5	394.2	357.4	262.8	220.7	205.0	205.0	189.2	173.4	173.4
70°	730.6	504.6	331.1	268.1	210.2	173.4	173.4	184.0	168.2	147.2	147.2
72.5°	646.5	410.0	268.1	215.5	162.9	136.7	147.2	152.4	136.7	120.9	120.9
75°	551.9	320.6	210.2	168.2	120.9	105.1	110.4	120.9	110.4	94.6	99.9
77.5°	399.5	220.7	141.9	110.4	89.4	78.8	84.1	84.1	78.8	73.6	73.6
80°	278.6	147.2	94.6	73.6	63.1	57.8	57.8	52.6	52.6	57.8	57.8
82.5°	168.2	105.1	68.3	57.8	47.3	36.8	36.8	42.0	42.0	47.3	47.3
85°	73.6	63.1	47.3	42.0	31.5	26.3	31.5	31.5	36.8	42.0	42.0
87.5°	47.3	47.3	36.8	31.5	26.3	21.0	21.0	26.3	26.3	31.5	36.8
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°	2959.1	2959.1	2959.1	2959.1	2959.1	2959.1	2959.1	2959.1	2959.1	2959.1	2959.1
2.5°	2601.7	2654.2	2717.3	2806.7	2885.5	2980.1	3074.7	3164.1	3248.2	3258.7	3295.5
5°	2265.3	2365.2	2491.3	2638.5	2817.2	3006.4	3190.3	3384.8	3542.5	3600.3	3684.4
7.5°	1918.4	2044.6	2228.5	2454.5	2706.8	2990.6	3274.4	3547.7	3784.3	3894.6	4005.0
10°	1587.3	1708.2	1934.2	2207.5	2533.4	2917.0	3295.5	3663.4	3952.5	4078.6	4183.7
12.5°	1287.7	1408.6	1592.5	1907.9	2302.1	2764.6	3263.9	3705.4	4026.0	4157.4	4257.3
15°	1051.2	1151.0	1324.5	1618.8	2034.0	2554.4	3153.6	3673.9	4041.8	4167.9	4241.5
17.5°	925.0	951.3	1061.7	1329.7	1781.8	2365.2	3011.6	3631.8	4052.3	4167.9	4210.0
20°	872.5	872.5	893.5	1035.4	1476.9	2165.4	2906.5	3605.6	4068.1	4183.7	4178.5
22.5°	825.2	835.7	835.7	867.2	1124.8	1886.9	2796.2	3595.1	4115.4	4204.7	4131.2
25°	783.1	798.9	798.9	809.4	883.0	1555.8	2659.5	3616.1	4199.5	4246.8	4099.6
27.5°	746.3	762.1	762.1	772.6	788.4	1156.3	2433.5	3621.3	4294.1	4299.3	4057.6
30°	709.5	725.3	735.8	735.8	746.3	851.5	2149.7	3589.8	4399.2	4367.7	4052.3
32.5°	667.5	688.5	693.8	704.3	709.5	741.1	1781.8	3537.2	4530.6	4462.3	4057.6
35°	630.7	657.0	662.2	662.2	672.8	704.3	1424.4	3479.4	4709.3	4588.4	4078.6
37.5°	593.9	614.9	620.2	625.5	636.0	667.5	1130.0	3395.3	4861.7	4746.1	4183.7
40°	551.9	578.2	583.4	588.7	599.2	630.7	972.3	3290.2	5093.0	5008.9	4341.4
42.5°	509.8	536.1	546.6	551.9	557.1	599.2	888.3	3216.6	5466.2	5376.8	4662.0
45°	473.0	499.3	509.8	509.8	520.3	578.2	814.7	3379.6	5981.2	5939.2	5093.0
47.5°	441.5	467.8	473.0	473.0	478.3	546.6	751.6	3815.8	6769.6	6659.3	5765.7
50°	415.2	436.2	446.8	436.2	441.5	520.3	788.4	4535.9	7778.8	7815.6	6753.9
52.5°	394.2	415.2	420.5	399.5	399.5	483.5	835.7	5124.5	9066.5	9402.8	8320.1
55°	367.9	388.9	394.2	367.9	367.9	425.7	725.3	5161.3	10532.9	11615.6	10359.4
57.5°	341.6	362.7	362.7	341.6	336.4	367.9	588.7	4577.9	11668.1	14122.7	13150.3
60°	310.1	331.1	325.9	315.4	304.8	336.4	541.4	3489.9	11515.7	15757.3	16351.2
62.5°	252.3	283.8	294.3	289.1	268.1	304.8	504.6	2275.8	9965.2	14338.2	16251.3
65°	*210.2*	*236.5*	*252.3*	*252.3*	*236.5*	*336.4*	*441.5*	*1198.4*	*7978.5*	*12167.5*	*14327.6*
67.5°	184.0	210.2	220.7	215.5	205.0	299.6	278.6	578.2	6117.9	10485.6	12824.4
70°	162.9	184.0	194.5	178.7	168.2	241.8	199.7	341.6	4094.4	8751.1	11421.1
72.5°	131.4	152.4	162.9	147.2	131.4	178.7	152.4	226.0	2664.8	7458.2	10149.2
75°	105.1	126.1	131.4	120.9	105.1	131.4	120.9	157.7	1739.7	6170.5	8630.2
77.5°	78.8	89.4	99.9	94.6	78.8	94.6	84.1	110.4	993.4	4330.9	6054.8
80°	63.1	68.3	68.3	68.3	63.1	57.8	57.8	73.6	446.8	2133.9	3158.8
82.5°	52.6	57.8	57.8	52.6	47.3	42.0	36.8	42.0	131.4	956.6	1455.9
85°	47.3	52.6	42.0	36.8	31.5	26.3	15.8	15.8	36.8	152.4	283.8
87.5°	36.8	31.5	26.3	21.0	10.5	5.3	5.3	0.0	5.3	5.3	5.3
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: P1364544
CATALOG NUMBER: GSS-SB5B-722-U-SLR-HSS

CANDELA DISTRIBUTION (continued):

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	2959.1	2959.1	2959.1	2959.1	2959.1	2959.1	2959.1	2959.1	2959.1	2959.1
2.5°	3353.3	3405.8	3442.6	3474.2	3463.7	3437.4	3384.8	3348.0	3339.6	3337.5
5°	3794.8	3878.9	3952.5	3941.9	3952.5	3873.6	3794.8	3700.2	3662.3	3652.9
7.5°	4162.7	4267.8	4357.2	4346.6	4315.1	4225.8	4094.4	3952.5	3885.2	3868.4
10°	4362.4	4483.3	4556.9	4530.6	4478.0	4362.4	4231.0	4062.8	3987.1	3968.2
12.5°	4399.2	4478.0	4462.3	4451.8	4441.3	4383.4	4283.6	4131.2	4055.5	4036.5
15°	4304.6	4273.1	4183.7	4162.7	4241.5	4315.1	4294.1	4167.9	4096.5	4078.6
17.5°	4146.9	3984.0	3821.1	3800.0	3931.4	4136.4	4299.3	4225.8	4158.5	4141.7
20°	3973.5	3668.6	3489.9	3453.1	3616.1	3920.9	4241.5	4283.6	4237.3	4225.8
22.5°	3768.5	3411.1	3221.9	3200.9	3321.7	3679.1	4157.4	4346.6	4325.6	4320.4
25°	3589.8	3185.1	3006.4	2974.9	3132.5	3479.4	4073.3	4451.8	4439.2	4436.0
27.5°	3442.6	3022.2	2832.9	2811.9	2964.3	3311.2	3968.2	4541.1	4583.2	4593.7
30°	3327.0	2901.3	2712.1	2685.8	2854.0	3195.6	3894.6	4667.3	4747.1	4767.1
32.5°	3237.6	2832.9	2654.2	2638.5	2817.2	3148.3	3852.6	4798.7	4962.6	5003.6
35°	3206.1	2854.0	2733.1	2769.9	2906.5	3195.6	3884.1	5014.1	5241.2	5298.0
37.5°	3274.4	3085.2	3169.3	3263.9	3316.5	3421.6	4031.3	5361.0	5655.4	5729.0
40°	3495.2	3705.4	4099.6	4283.6	4262.6	4020.8	4367.7	5849.8	6270.3	6375.4
42.5°	4057.6	4740.8	5576.5	5886.6	5707.9	4977.4	4903.8	6654.0	7133.3	7253.2
45°	4893.3	5991.8	7363.5	8062.6	7447.6	6191.5	5750.0	7799.8	8262.3	8377.9
47.5°	5729.0	7389.8	9571.0	10401.5	9192.6	7395.1	6859.0	9171.6	9587.9	9691.9
50°	6580.4	8935.1	11773.3	12882.3	10932.3	8619.7	8036.3	10864.0	11166.7	11242.4
52.5°	7458.2	10317.4	14201.5	15158.1	12750.9	9565.8	9381.8	12708.8	12889.6	12934.8
55°	8435.8	11626.1	16635.0	17407.6	14406.5	10391.0	10958.6	14637.7	14591.5	14579.9
57.5°	9739.2	13003.2	18595.5	19672.9	15909.7	11505.2	13066.2	16782.2	15878.1	15652.1
60°	12015.0	15142.3	21034.2	22206.3	17922.7	13134.5	14616.7	16734.9	15120.2	14716.6
62.5°	14653.5	17202.6	23241.7	24229.8	20040.8	14753.4	13381.6	14054.3	12456.5	12057.1
65°	12729.8	16840.0	23310.0	24324.4	20119.7	13765.3	9891.6	9965.2	8619.7	8283.3
67.5°	10832.5	14926.8	21228.7	22027.6	17949.0	11379.1	6559.4	6501.6	5656.4	5445.1
70°	9644.6	13076.7	18295.9	17607.3	15089.8	9618.3	4357.2	3610.8	3085.2	2953.8
72.5°	8667.0	10375.2	14827.0	12135.9	12519.6	7826.1	2769.9	2459.8	2051.9	1949.9
75°	7847.1	8582.9	9250.4	8388.5	8893.0	6449.0	2349.4	1897.4	1552.6	1466.4
77.5°	6244.0	6680.3	5476.7	5319.0	6228.3	4588.4	1166.8	798.9	698.0	672.8
80°	3715.9	3158.8	3106.2	3542.5	4146.9	2380.9	714.8	441.5	399.5	388.9
82.5°	2249.5	1140.5	1240.4	1566.3	2207.5	1082.7	425.7	189.2	168.2	162.9
85°	378.4	310.1	478.3	457.3	431.0	231.3	115.6	52.6	48.4	47.3
87.5°	10.5	15.8	21.0	26.3	26.3	26.3	26.3	26.3	30.5	31.5
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

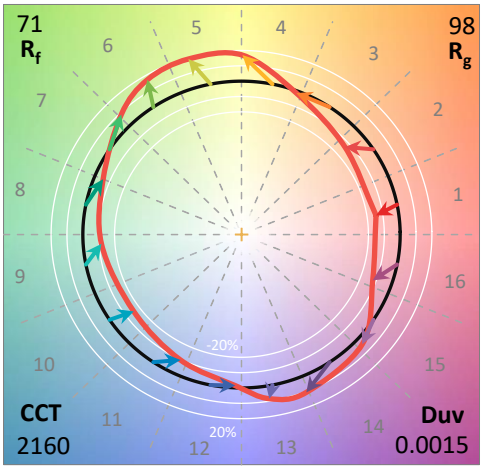
Test Information

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

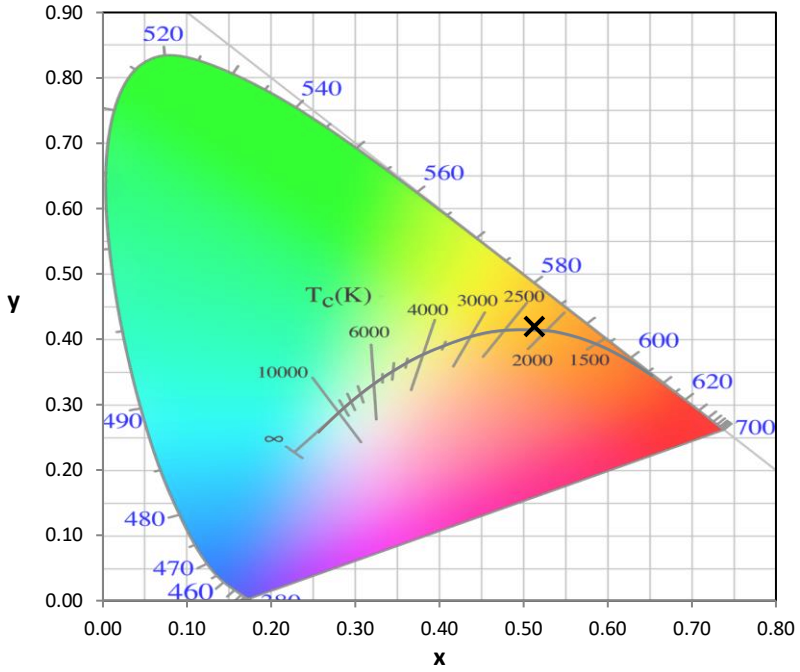
Stabilization Time:	21M
Operation Time:	1H 21M
Sphere Temperature (°C):	25.2

REPORT NUMBER: SP1-2407-184-2

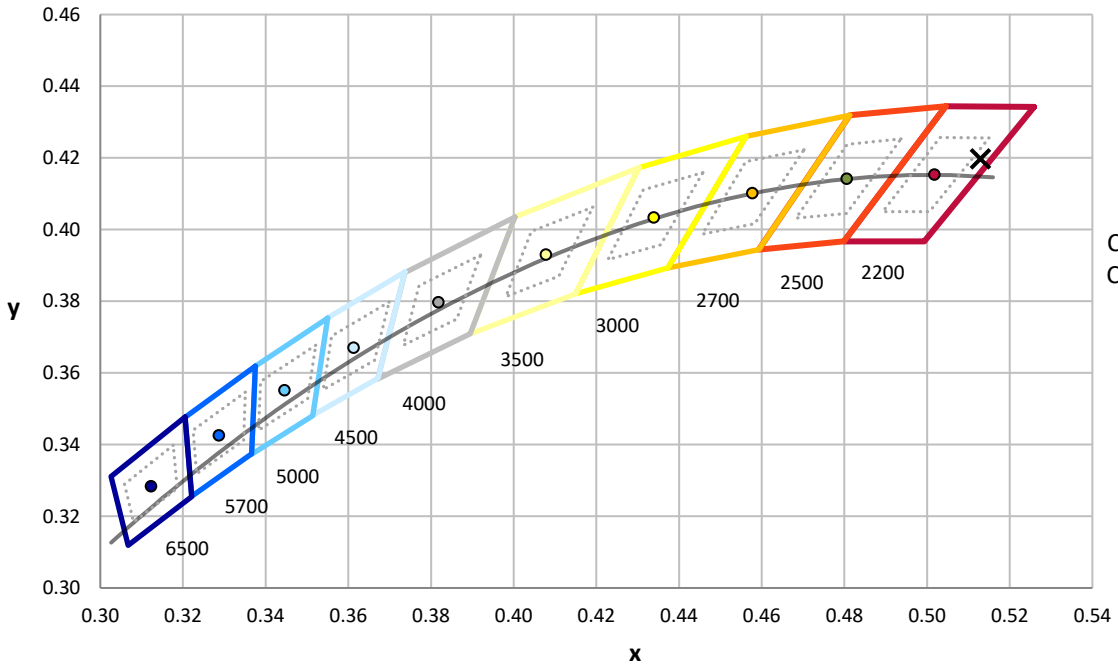
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

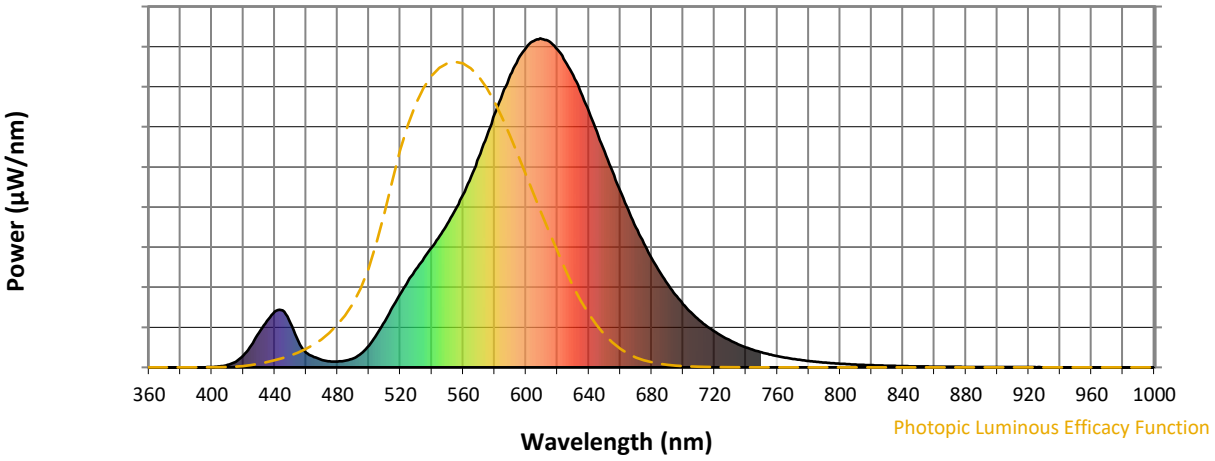


CCT = 2160K
CIE x = 0.5130
CIE y = 0.4197
Duv = 0.0015

Point lies inside the ANSI 2200K 7-step quadrangle

REPORT NUMBER: SP1-2407-184-2

Photopic Flux vs. Wavelength

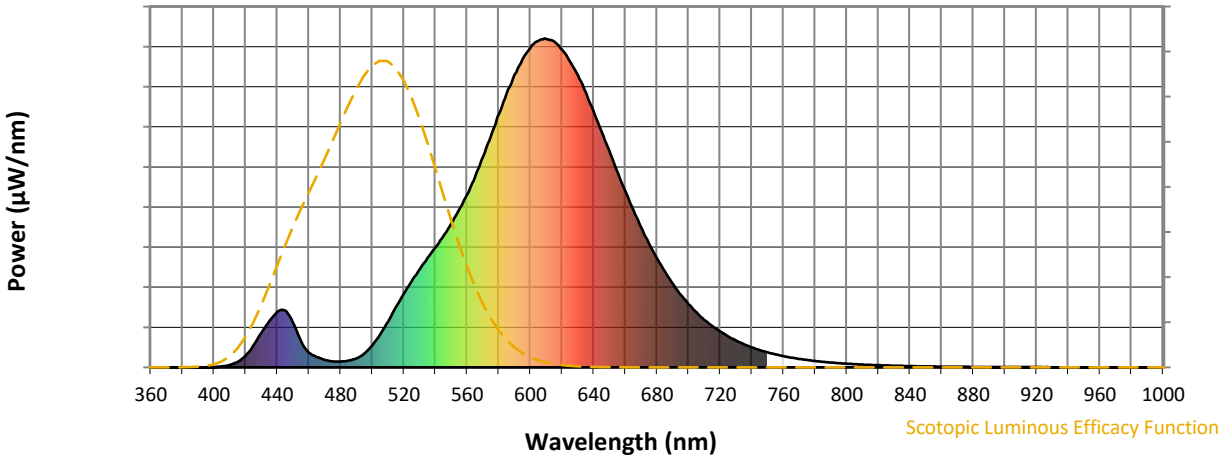


Photopic Lumens: NR

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

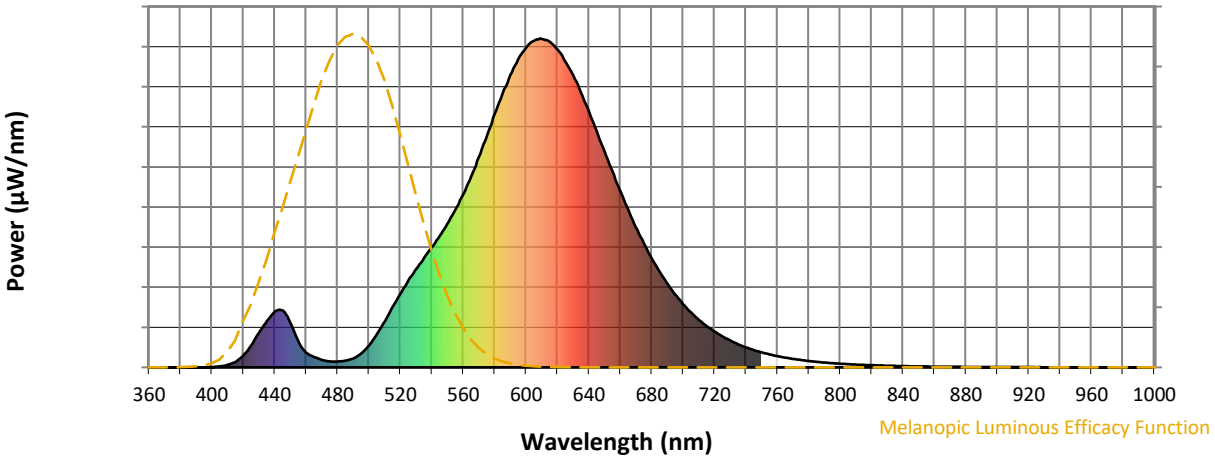


Scotopic Lumens: NR **S/P: 0.8**

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			

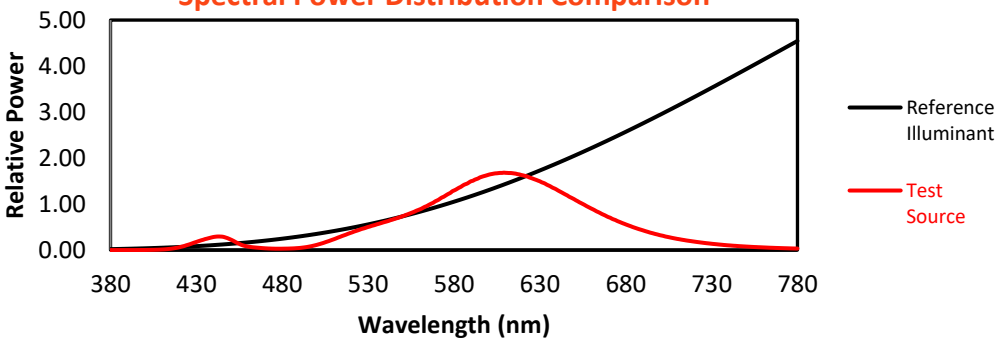
REPORT NUMBER: SP1-2407-184-2

TM-30-18

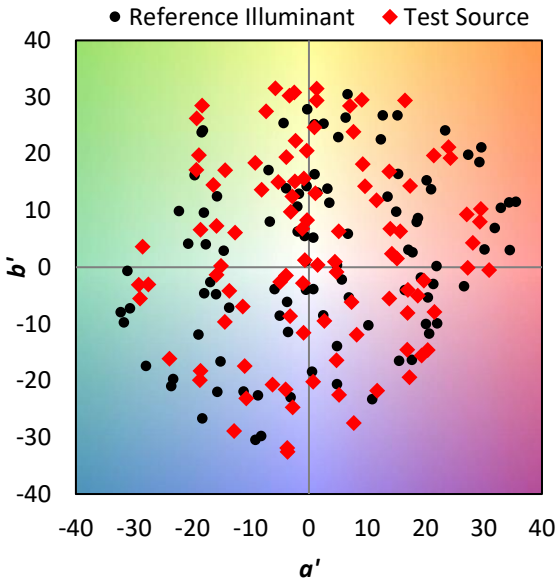
Summary

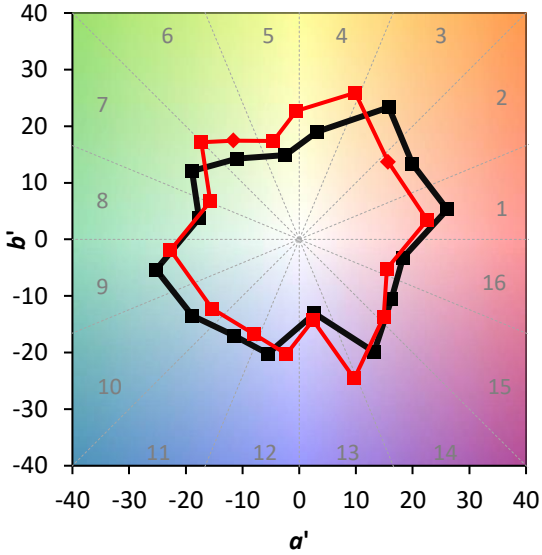
R_f = 70.6
R_g = 97.6
CIE R_a = 71.9
R_9 = -17.8

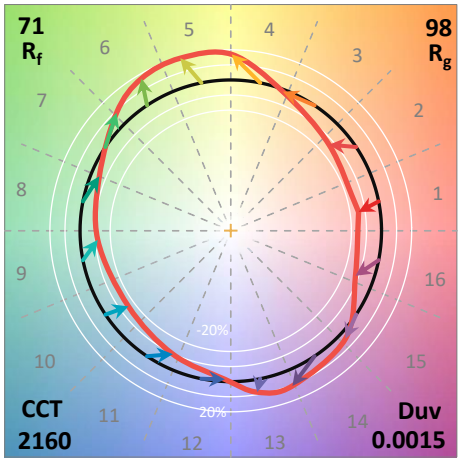
Spectral Power Distribution Comparison

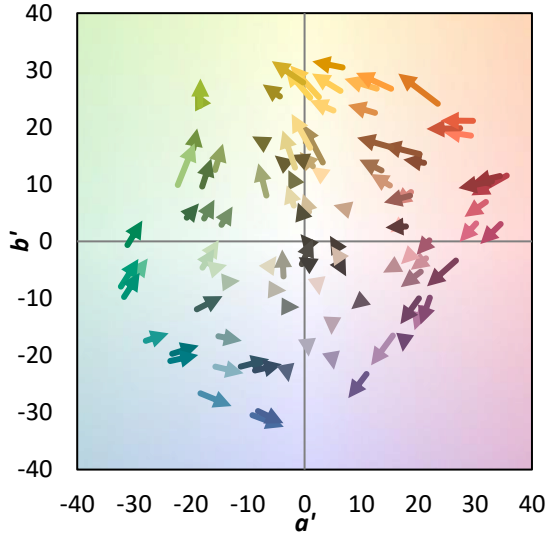


Color Vector Graphics







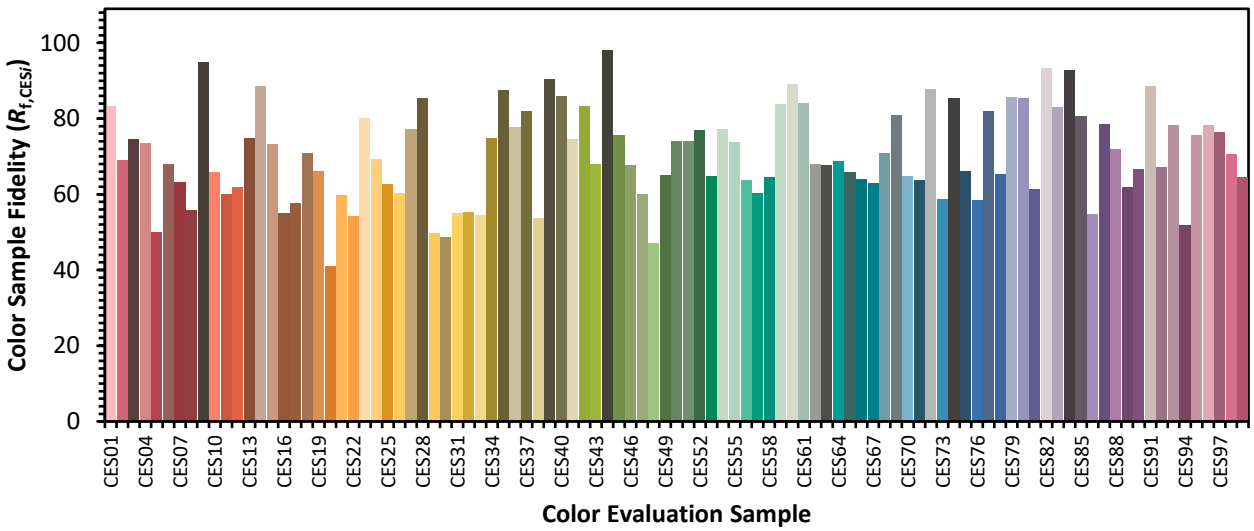


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Individual Sample Fidelity Index ($R_{f,i}$)

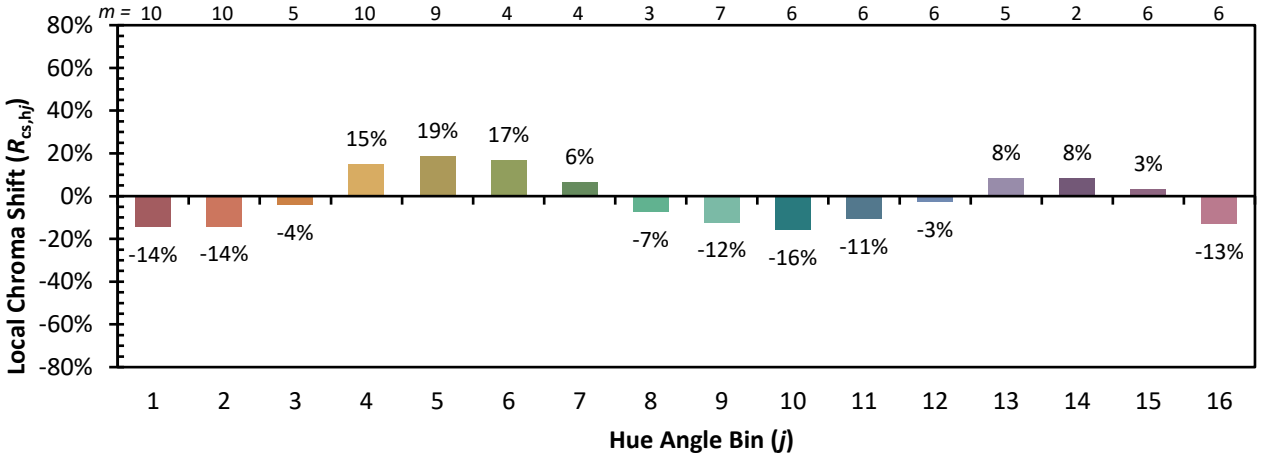
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CES02 = 65	CES27 = 77	CES52 = 77	CES77 = 82
CES03 = 32	CES28 = 85	CES53 = 65	CES78 = 65
CES04 = 72	CES29 = 50	CES54 = 77	CES79 = 86
CES05 = 52	CES30 = 49	CES55 = 74	CES80 = 85
CES06 = 53	CES31 = 55	CES56 = 64	CES81 = 61
CES07 = 44	CES32 = 55	CES57 = 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	

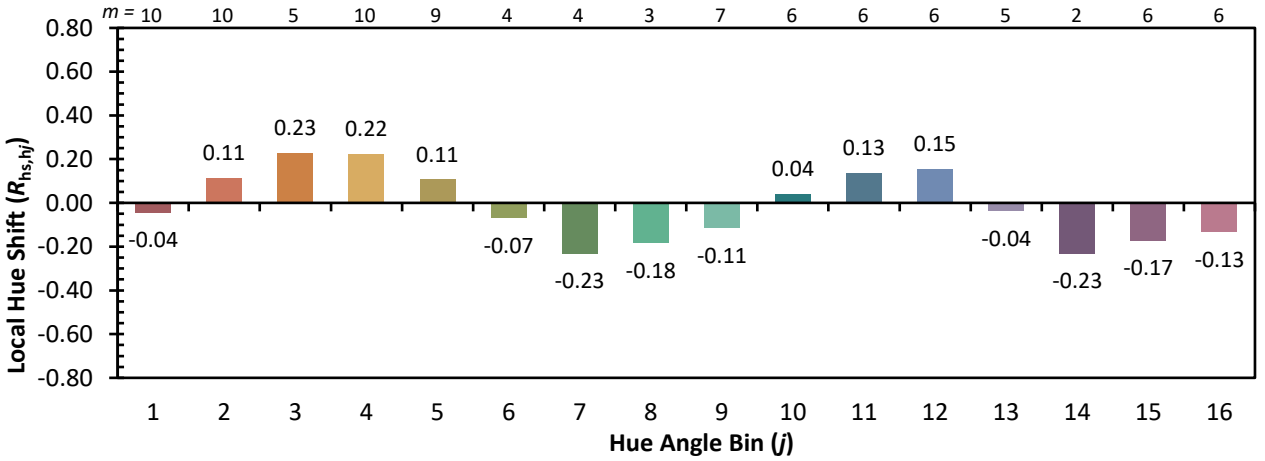


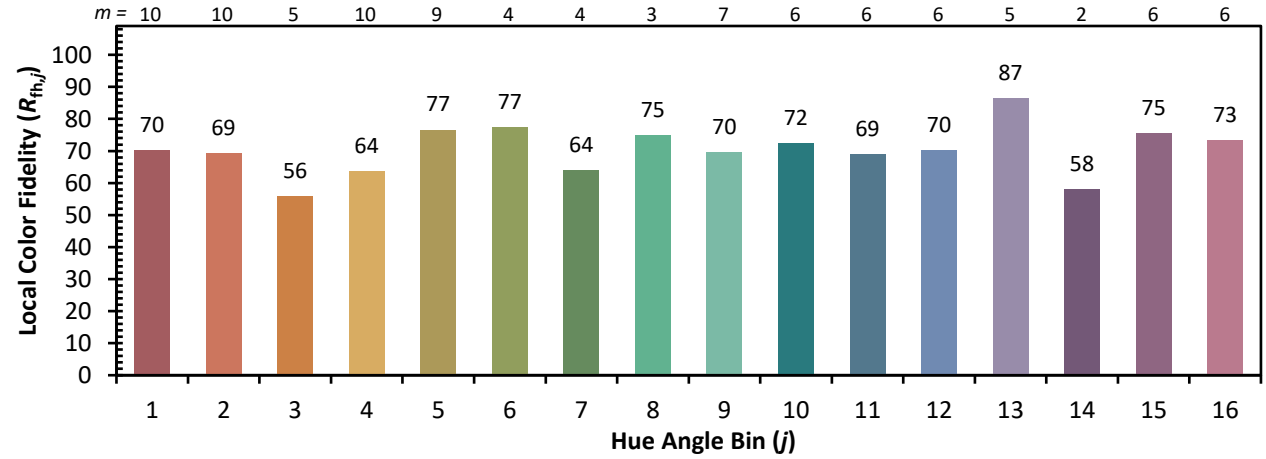
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Color Rendition by Hue-Angle Bin



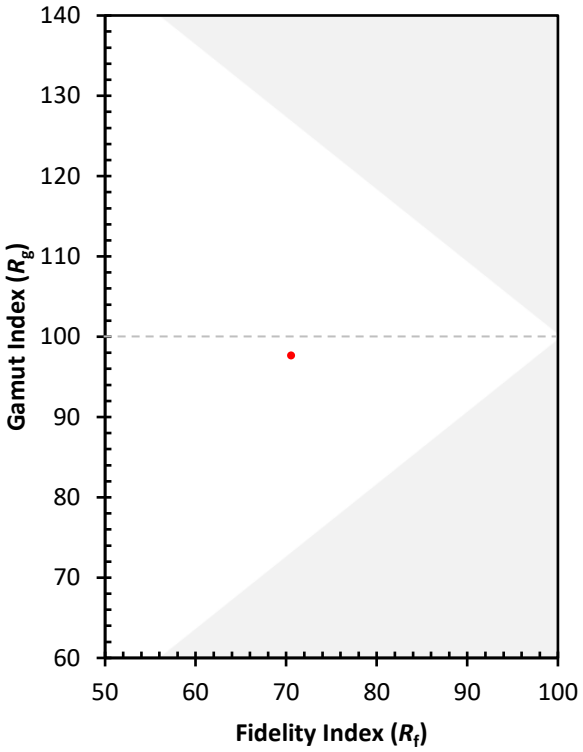


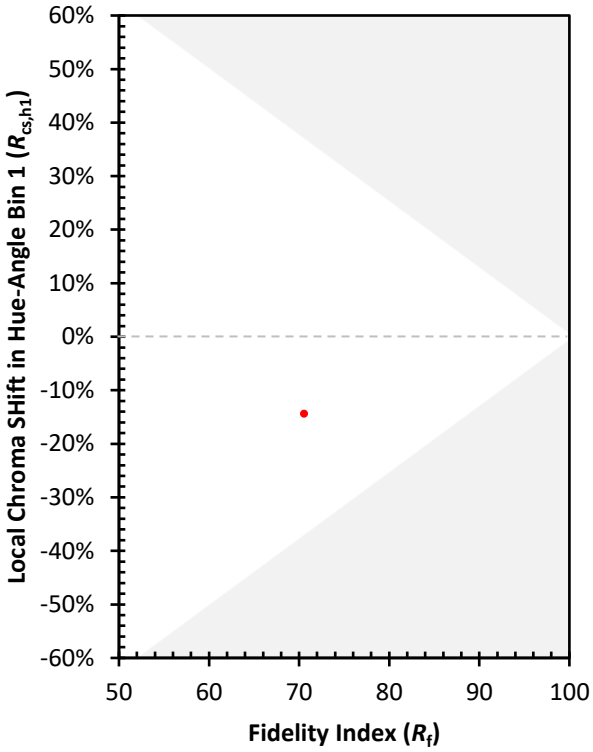


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Measure Comparisons





(END OF REPORT)