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: P1364584

Luminaire Tested: **GSS-SB3B-730-U-SLR-HSS**

Issue Date: 02/18/2026

Report Generated By 670245763

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Scaled Data Report

Test Information

Test Method:	LM-79-08
Report Number:	P1364584
Test Lab:	INNOVATION CENTER(G1)
Issue Date:	02/18/2026
Manufacturer:	COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line:	McGRAW-EDISON
Catalog Number:	GSS-SB3B-730-U-SLR-HSS
Description:	GALLEON II SLIM SITE HIGH DENSITY LED ARRAYS 3SQUARE 109W 70CRI 3000K FIXTURE w/ 90° Spill Light Eliminator RIGHT OPTIC AND HOUSE SIDE SHIELD
Light Source:	(78) 3000K CCT, 70 CRI LEDS
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	11924.7 lumens
Efficiency:	N/A
Efficacy:	109.4 lumens/watt
Luminous Opening:	Rectangular (W 1.5' x L: 0.5' x H: 0')
IES Classification:	Type III - Short
BUG Rating:	B2 - U0 - G2

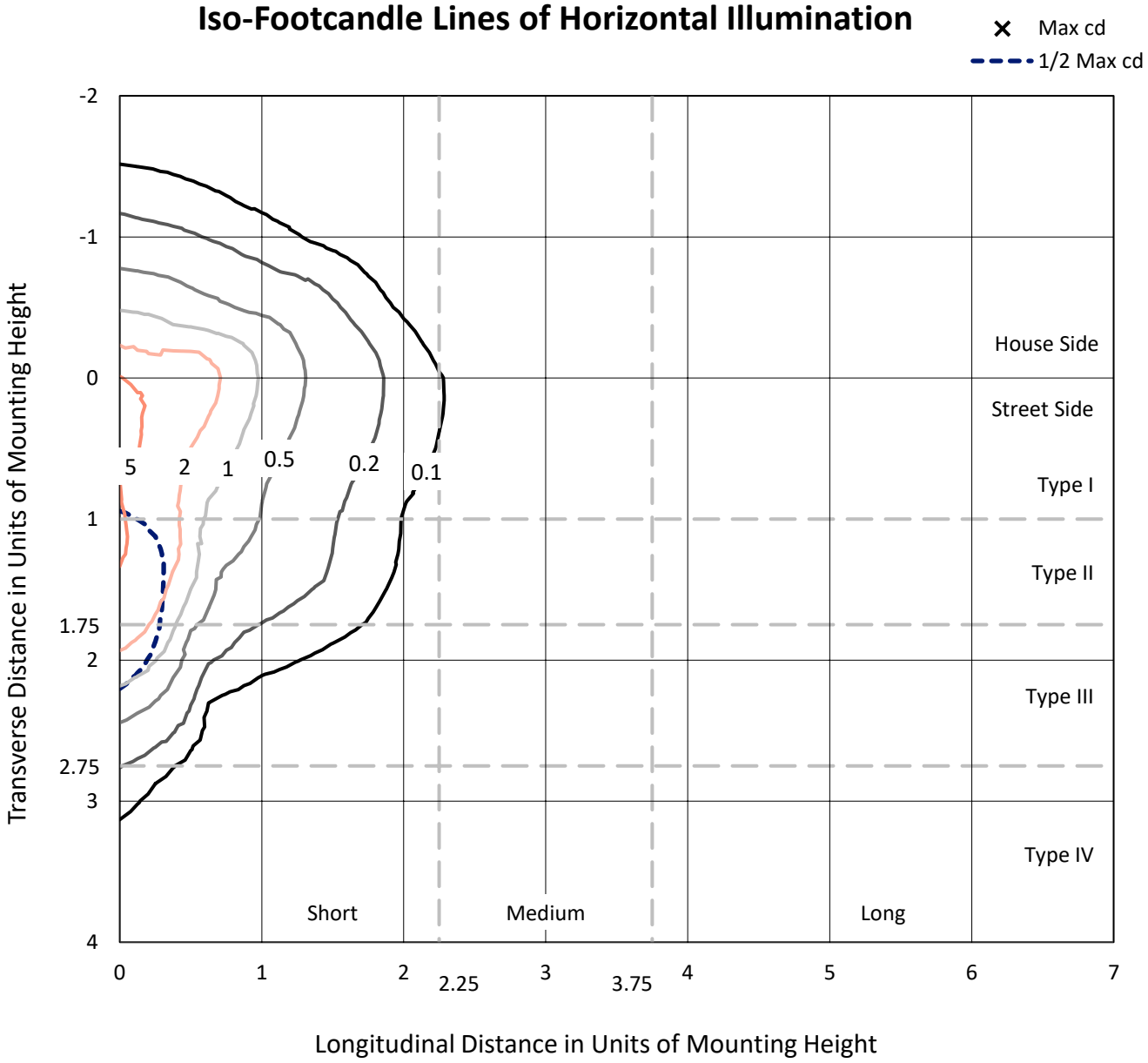
Input Watts (W):	109
Input Voltage (V):	120
Input Current (Ain):	NR
Voltage Rise (V):	NR
Power Factor:	0.98
Total Harmonic Distortion (THDi):	8.7%
Frequency (hertz):	60
Stabilization Time:	NR
Operation Time:	NR
Ambient Temperature (°C):	NR
Test Distance:	28.75 FT

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Iso-Footcandle Lines of Horizontal Illumination



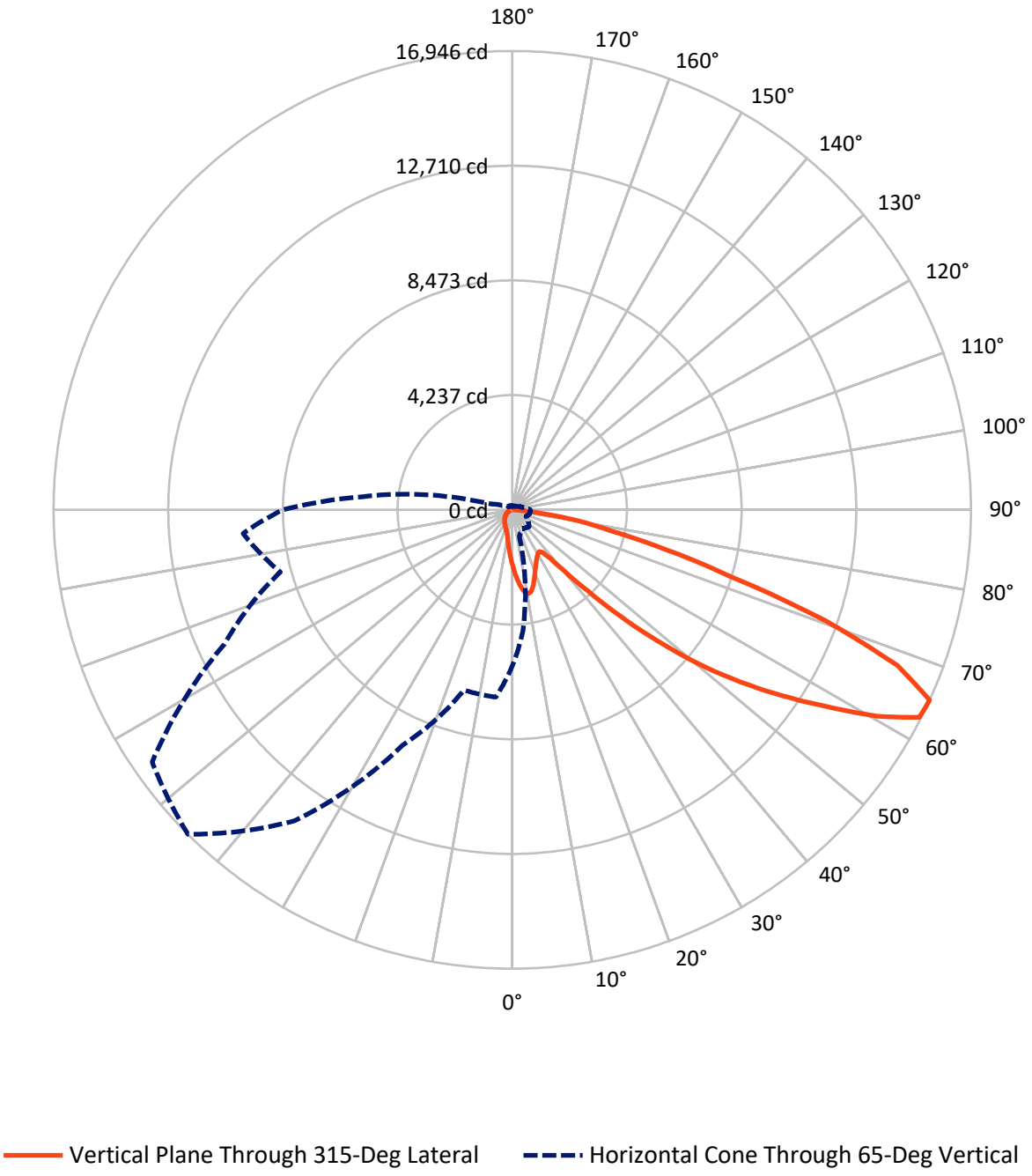
Based on 20 foot mounting height. Maximum calculated value = 6.5 fc
Type III - Short - N/A

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Luminous Intensity Polar Plot



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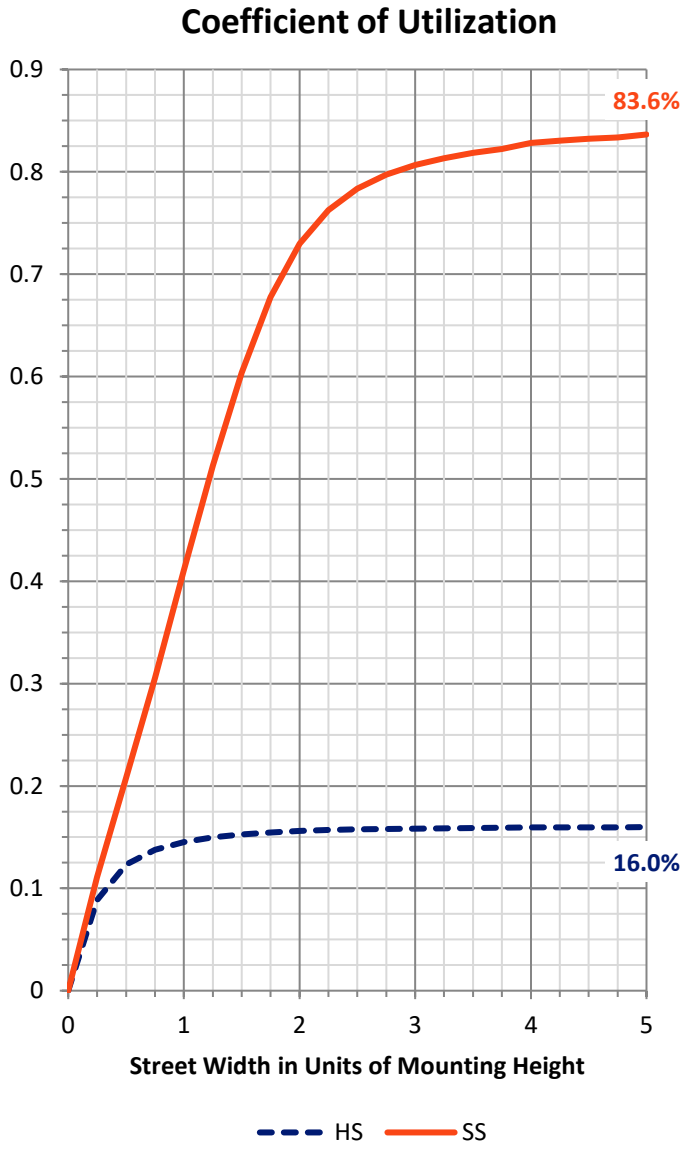
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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1927.7	0.0	1927.7
	% Fixture	16.2	0.0	16.2
Street Side	Lumens	9997.0	0.0	9997.0
	% Fixture	83.8	0.0	83.8
Total	Lumens	11924.7	0.0	11924.7
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	198.1	1.7
10°-20°	547.9	4.6
20°-30°	784.8	6.6
30°-40°	984.4	8.3
40°-50°	1617.0	13.6
50°-60°	2918.0	24.5
60°-70°	3238.4	27.2
70°-80°	1463.1	12.3
80°-90°	173.0	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°	11924.7	100.0
0°-180°	11924.7	100.0



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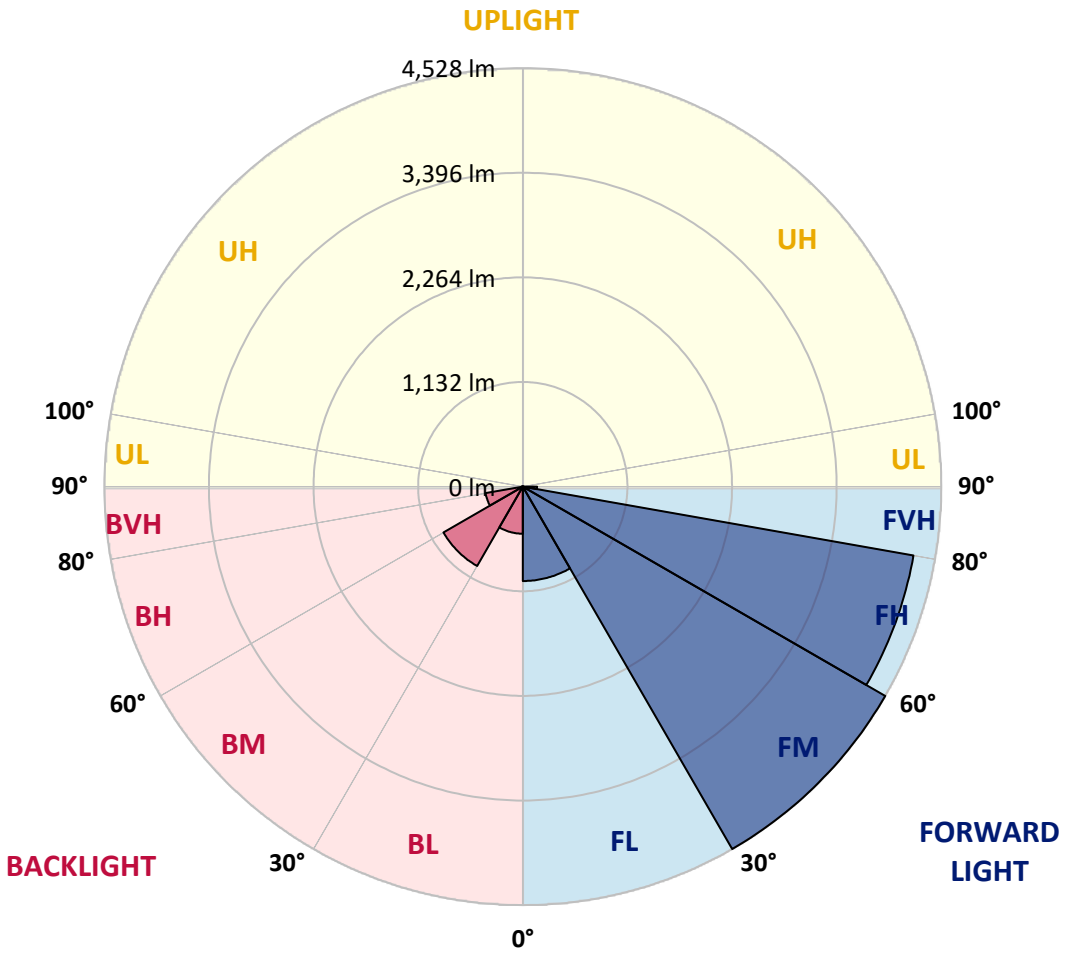
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	1021.5	8.6			
FM	(30°-60°)	4528.1	38.0			
FH	(60°-80°)	4292.1	36.0			G2/5000
FVH	(80°-90°)	155.3	1.3			G2/225
BL	(0°-30°)	509.4	4.3	B2/1000		
BM	(30°-60°)	991.2	8.3	B1/1000		
BH	(60°-80°)	409.4	3.4	B1/500		G1/500
BVH	(80°-90°)	17.7	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-G2
Type III Short



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CANDELA DISTRIBUTION (FULL):

	0°	1°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	2061.5	2061.5	2061.5	2061.5	2061.5	2061.5	2061.5	2061.5	2061.5	2061.5	2061.5
2.5°	2325.2	2323.0	2314.2	2259.3	2204.3	2156.7	2109.1	2061.5	1995.6	1944.4	1900.4
5°	2544.9	2533.2	2486.3	2402.1	2310.5	2230.0	2138.4	2050.6	1951.7	1871.1	1786.9
7.5°	2695.0	2683.3	2636.4	2497.3	2358.1	2259.3	2160.4	2068.9	1959.0	1852.8	1732.0
10°	2764.6	2751.4	2698.7	2548.5	2387.4	2266.6	2167.7	2083.5	1992.0	1885.8	1735.6
12.5°	2812.2	2796.1	2731.6	2559.5	2394.8	2273.9	2171.4	2090.8	2024.9	1962.7	1816.2
15°	2841.5	2826.8	2768.2	2588.8	2398.4	2262.9	2142.1	2065.2	2043.2	2054.2	1984.6
17.5°	2885.4	2871.5	2815.8	2625.4	2420.4	2244.6	2079.8	1995.6	2043.2	2142.1	2164.1
20°	2944.0	2929.4	2870.8	2673.0	2438.7	2189.7	1962.7	1882.1	2003.0	2167.7	2281.2
22.5°	3009.9	2998.2	2951.3	2728.0	2457.0	2109.1	1808.9	1772.3	1918.7	2094.5	2241.0
25°	3090.5	3079.5	3035.5	2804.9	2475.3	1999.3	1677.1	1684.4	1808.9	1948.0	2098.2
27.5°	3200.3	3190.1	3149.1	2900.1	2497.3	1885.8	1570.9	1607.5	1699.0	1794.2	1885.8
30°	3321.2	3313.1	3280.9	3013.6	2541.2	1779.6	1508.6	1530.6	1592.8	1669.7	1724.7
32.5°	3485.9	3472.8	3420.0	3119.8	2537.6	1699.0	1479.3	1457.4	1475.7	1537.9	1592.8
35°	3691.0	3680.7	3639.7	3229.6	2471.6	1625.8	1464.7	1387.8	1376.8	1413.4	1468.3
37.5°	3991.3	3982.5	3947.3	3409.0	2369.1	1534.3	1428.1	1314.6	1277.9	1303.6	1340.2
40°	4441.6	4418.9	4328.1	3614.1	2255.6	1442.7	1362.2	1226.7	1175.4	1193.7	1234.0
42.5°	5053.1	5009.9	4837.1	3888.7	2101.8	1354.8	1263.3	1138.8	1083.9	1094.8	1131.5
45°	5836.8	5771.6	5510.9	4265.9	1940.7	1285.3	1160.8	1047.2	988.7	999.6	1039.9
47.5°	6752.2	6662.8	6305.4	4661.3	1768.6	1245.0	1080.2	955.7	911.8	937.4	977.7
50°	7832.4	7742.3	7382.0	4914.0	1629.5	1219.3	1018.0	871.5	853.2	886.1	919.1
52.5°	9011.4	8883.3	8370.6	4752.9	1515.9	1197.4	996.0	812.9	820.2	845.9	878.8
55°	10157.6	9872.7	8733.2	4218.3	1369.5	1171.7	1010.6	769.0	787.3	820.2	845.9
57.5°	10904.5	10409.5	8429.2	3398.1	1215.7	1142.5	1021.6	747.0	761.6	798.3	827.5
60°	10252.8	9754.8	7762.8	2544.9	1083.9	1080.2	1003.3	739.7	717.7	769.0	794.6
62.5°	8399.9	7989.8	6349.4	1625.8	959.4	963.0	963.0	736.0	644.5	710.4	732.3
65°	*5770.8*	*5514.5*	*4489.2*	*1007.0*	*783.6*	*820.2*	*875.1*	*714.0*	*567.6*	*644.5*	*666.4*
67.5°	3793.5	3605.3	2852.5	622.5	604.2	673.8	758.0	670.1	509.0	578.5	593.2
70°	2057.9	1915.1	1343.8	410.1	395.5	527.3	596.9	567.6	457.7	516.3	530.9
72.5°	1358.5	1241.3	772.6	289.3	289.3	413.8	417.4	465.0	410.1	457.7	472.4
75°	1021.6	916.9	498.0	201.4	223.4	263.6	325.9	333.2	344.2	388.1	406.4
77.5°	468.7	411.6	183.1	120.8	164.8	183.1	249.0	212.4	256.3	289.3	296.6
80°	271.0	237.3	102.5	80.6	106.2	117.2	205.1	124.5	153.8	205.1	216.0
82.5°	113.5	101.1	51.3	54.9	65.9	69.6	113.5	87.9	98.9	135.5	131.8
85°	33.0	33.0	33.0	36.6	40.3	40.3	65.9	62.2	58.6	62.2	62.2
87.5°	22.0	22.0	22.0	22.0	25.6	25.6	29.3	33.0	36.6	36.6	36.6
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°	2061.5	2061.5	2061.5	2061.5	2061.5	2061.5	2061.5	2061.5	2061.5	2061.5	2061.5
2.5°	1882.1	1856.5	1823.5	1775.9	1768.6	1743.0	1724.7	1743.0	1761.3	1794.2	1797.9
5°	1743.0	1702.7	1625.8	1567.2	1501.3	1468.3	1464.7	1457.4	1479.3	1526.9	1556.2
7.5°	1666.1	1600.2	1461.0	1358.5	1266.9	1234.0	1208.4	1230.3	1226.7	1288.9	1314.6
10°	1647.8	1545.2	1351.2	1197.4	1083.9	1039.9	1014.3	1010.6	1018.0	1054.6	1080.2
12.5°	1713.7	1581.9	1307.2	1080.2	948.4	900.8	871.5	845.9	845.9	853.2	886.1
15°	1860.1	1702.7	1332.9	1025.3	882.5	820.2	772.6	739.7	714.0	717.7	721.4
17.5°	2065.2	1878.5	1398.8	1007.0	842.2	776.3	717.7	684.7	655.4	648.1	648.1
20°	2226.3	2046.9	1450.0	992.3	809.2	725.0	673.8	644.5	618.8	607.8	607.8
22.5°	2244.6	2116.5	1494.0	974.0	769.0	673.8	626.2	600.5	582.2	578.5	578.5
25°	2123.8	2061.5	1479.3	952.0	728.7	626.2	589.5	567.6	549.3	545.6	549.3
27.5°	1922.4	1889.4	1428.1	922.7	695.7	589.5	556.6	538.3	520.0	516.3	520.0
30°	1743.0	1706.4	1340.2	875.1	670.1	560.2	523.6	505.3	487.0	487.0	490.7
32.5°	1596.5	1559.9	1252.3	820.2	637.1	527.3	494.3	476.0	457.7	457.7	465.0
35°	1464.7	1435.4	1182.7	765.3	604.2	498.0	461.4	446.7	432.1	428.4	435.7
37.5°	1351.2	1336.5	1120.5	706.7	571.2	468.7	435.7	421.1	402.8	399.1	406.4
40°	1241.3	1234.0	1050.9	655.4	530.9	439.4	406.4	391.8	369.8	369.8	377.2
42.5°	1138.8	1135.1	988.7	622.5	494.3	410.1	373.5	358.8	340.5	340.5	347.9
45°	1058.2	1054.6	930.1	604.2	457.7	377.2	344.2	325.9	311.2	314.9	322.2
47.5°	985.0	977.7	867.8	607.8	439.4	355.2	311.2	292.9	282.0	289.3	300.3
50°	926.4	919.1	823.9	611.5	410.1	325.9	285.6	267.3	260.0	271.0	282.0
52.5°	889.8	882.5	779.9	589.5	373.5	303.9	260.0	249.0	249.0	260.0	267.3
55°	853.2	845.9	706.7	541.9	333.2	282.0	241.7	234.3	234.3	245.3	252.7
57.5°	831.2	816.6	629.8	487.0	300.3	256.3	223.4	223.4	223.4	227.0	230.7
60°	798.3	761.6	549.3	417.4	274.6	230.7	208.7	205.1	205.1	201.4	205.1
62.5°	728.7	666.4	461.4	355.2	245.3	208.7	190.4	186.7	175.8	164.8	168.4
65°	*659.1*	*563.9*	*366.2*	*296.6*	*212.4*	*179.4*	*168.4*	*164.8*	*146.5*	*131.8*	*135.5*
67.5°	571.2	450.4	274.6	249.0	183.1	153.8	142.8	142.8	131.8	120.8	120.8
70°	509.0	351.5	230.7	186.7	146.5	120.8	120.8	128.2	117.2	102.5	102.5
72.5°	450.4	285.6	186.7	150.1	113.5	95.2	102.5	106.2	95.2	84.2	84.2
75°	384.5	223.4	146.5	117.2	84.2	73.2	76.9	84.2	76.9	65.9	69.6
77.5°	278.3	153.8	98.9	76.9	62.2	54.9	58.6	58.6	54.9	51.3	51.3
80°	194.1	102.5	65.9	51.3	43.9	40.3	40.3	36.6	36.6	40.3	40.3
82.5°	117.2	73.2	47.6	40.3	33.0	25.6	25.6	29.3	29.3	33.0	33.0
85°	51.3	43.9	33.0	29.3	22.0	18.3	22.0	22.0	25.6	29.3	29.3
87.5°	33.0	33.0	25.6	22.0	18.3	14.6	14.6	18.3	18.3	22.0	25.6
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):

	185°	195°	205°	215°	225°	235°	245°	255°	265°	270°	275°
0°	2061.5	2061.5	2061.5	2061.5	2061.5	2061.5	2061.5	2061.5	2061.5	2061.5	2061.5
2.5°	1812.5	1849.2	1893.1	1955.3	2010.3	2076.2	2142.1	2204.3	2262.9	2270.3	2295.9
5°	1578.2	1647.8	1735.6	1838.2	1962.7	2094.5	2222.7	2358.1	2468.0	2508.3	2566.9
7.5°	1336.5	1424.4	1552.6	1710.0	1885.8	2083.5	2281.2	2471.6	2636.4	2713.3	2790.2
10°	1105.8	1190.1	1347.5	1537.9	1764.9	2032.2	2295.9	2552.2	2753.6	2841.5	2914.7
12.5°	897.1	981.3	1109.5	1329.2	1603.8	1926.1	2273.9	2581.5	2804.9	2896.4	2966.0
15°	732.3	801.9	922.7	1127.8	1417.1	1779.6	2197.0	2559.5	2815.8	2903.7	2955.0
17.5°	644.5	662.8	739.7	926.4	1241.3	1647.8	2098.2	2530.2	2823.2	2903.7	2933.0
20°	607.8	607.8	622.5	721.4	1028.9	1508.6	2024.9	2511.9	2834.2	2914.7	2911.1
22.5°	574.9	582.2	582.2	604.2	783.6	1314.6	1948.0	2504.6	2867.1	2929.4	2878.1
25°	545.6	556.6	556.6	563.9	615.2	1083.9	1852.8	2519.3	2925.7	2958.7	2856.1
27.5°	520.0	530.9	530.9	538.3	549.3	805.6	1695.4	2522.9	2991.6	2995.3	2826.8
30°	494.3	505.3	512.6	512.6	520.0	593.2	1497.6	2500.9	3064.8	3042.9	2823.2
32.5°	465.0	479.7	483.3	490.7	494.3	516.3	1241.3	2464.3	3156.4	3108.8	2826.8
35°	439.4	457.7	461.4	461.4	468.7	490.7	992.3	2424.0	3280.9	3196.7	2841.5
37.5°	413.8	428.4	432.1	435.7	443.1	465.0	787.3	2365.5	3387.1	3306.5	2914.7
40°	384.5	402.8	406.4	410.1	417.4	439.4	677.4	2292.2	3548.2	3489.6	3024.6
42.5°	355.2	373.5	380.8	384.5	388.1	417.4	618.8	2241.0	3808.2	3745.9	3247.9
45°	329.6	347.9	355.2	355.2	362.5	402.8	567.6	2354.5	4167.0	4137.7	3548.2
47.5°	307.6	325.9	329.6	329.6	333.2	380.8	523.6	2658.4	4716.3	4639.4	4016.9
50°	289.3	303.9	311.2	303.9	307.6	362.5	549.3	3160.0	5419.3	5444.9	4705.3
52.5°	274.6	289.3	292.9	278.3	278.3	336.9	582.2	3570.2	6316.4	6550.8	5796.5
55°	256.3	271.0	274.6	256.3	256.3	296.6	505.3	3595.8	7338.0	8092.4	7217.2
57.5°	238.0	252.7	252.7	238.0	234.3	256.3	410.1	3189.3	8129.0	9839.0	9161.6
60°	216.0	230.7	227.0	219.7	212.4	234.3	377.2	2431.4	8022.8	10977.8	11391.6
62.5°	175.8	197.7	205.1	201.4	186.7	212.4	351.5	1585.5	6942.6	9989.1	11322.0
65°	*146.5*	*164.8*	*175.8*	*175.8*	*164.8*	*234.3*	*307.6*	*834.9*	*5558.5*	*8476.8*	*9981.8*
67.5°	128.2	146.5	153.8	150.1	142.8	208.7	194.1	402.8	4262.2	7305.1	8934.5
70°	113.5	128.2	135.5	124.5	117.2	168.4	139.1	238.0	2852.5	6096.7	7956.9
72.5°	91.5	106.2	113.5	102.5	91.5	124.5	106.2	157.5	1856.5	5196.0	7070.7
75°	73.2	87.9	91.5	84.2	73.2	91.5	84.2	109.9	1212.0	4298.8	6012.5
77.5°	54.9	62.2	69.6	65.9	54.9	65.9	58.6	76.9	692.1	3017.2	4218.3
80°	43.9	47.6	47.6	47.6	43.9	40.3	40.3	51.3	311.2	1486.7	2200.7
82.5°	36.6	40.3	40.3	36.6	33.0	29.3	25.6	29.3	91.5	666.4	1014.3
85°	33.0	36.6	29.3	25.6	22.0	18.3	11.0	11.0	25.6	106.2	197.7
87.5°	25.6	22.0	18.3	14.6	7.3	3.7	3.7	0.0	3.7	3.7	3.7
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: P1364584
CATALOG NUMBER: GSS-SB3B-730-U-SLR-HSS

CANDELA DISTRIBUTION (continued):

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	2061.5	2061.5	2061.5	*2061.5*	2061.5	2061.5	2061.5	2061.5	2061.5	2061.5
2.5°	2336.2	2372.8	2398.4	*2420.4*	2413.1	2394.8	2358.1	2332.5	2326.6	2325.2
5°	2643.7	2702.3	2753.6	*2746.3*	2753.6	2698.7	2643.7	2577.8	2551.5	2544.9
7.5°	2900.1	2973.3	3035.5	*3028.2*	3006.3	2944.0	2852.5	2753.6	2706.7	2695.0
10°	3039.2	3123.4	3174.7	*3156.4*	3119.8	3039.2	2947.7	2830.5	2777.8	2764.6
12.5°	3064.8	3119.8	3108.8	*3101.5*	3094.1	3053.9	2984.3	2878.1	2825.4	2812.2
15°	2998.9	2977.0	2914.7	*2900.1*	2955.0	3006.3	2991.6	2903.7	2853.9	2841.5
17.5°	2889.1	2775.6	2662.1	*2647.4*	2739.0	2881.8	2995.3	2944.0	2897.1	2885.4
20°	2768.2	2555.9	2431.4	*2405.7*	2519.3	2731.6	2955.0	2984.3	2952.1	2944.0
22.5°	2625.4	2376.4	2244.6	*2230.0*	2314.2	2563.2	2896.4	3028.2	3013.6	3009.9
25°	2500.9	2219.0	2094.5	*2072.5*	2182.4	2424.0	2837.8	3101.5	3092.7	3090.5
27.5°	2398.4	2105.5	1973.7	*1959.0*	2065.2	2306.9	2764.6	3163.7	3193.0	3200.3
30°	2317.9	2021.3	1889.4	*1871.1*	1988.3	2226.3	2713.3	3251.6	3307.2	3321.2
32.5°	2255.6	1973.7	1849.2	*1838.2*	1962.7	2193.4	2684.0	3343.1	3457.4	3485.9
35°	2233.6	1988.3	1904.1	*1929.7*	2024.9	2226.3	2706.0	3493.3	3651.4	3691.0
37.5°	2281.2	2149.4	2208.0	*2273.9*	2310.5	2383.8	2808.5	3734.9	3940.0	3991.3
40°	2435.0	2581.5	2856.1	*2984.3*	2969.6	2801.2	3042.9	4075.5	4368.4	4441.6
42.5°	2826.8	3302.9	3885.1	*4101.1*	3976.6	3467.6	3416.4	4635.7	4969.7	5053.1
45°	3409.0	4174.3	5130.0	*5617.0*	5188.6	4313.5	4005.9	5434.0	5756.2	5836.8
47.5°	3991.3	5148.4	6668.0	*7246.5*	6404.3	5152.0	4778.5	6389.7	6679.7	6752.2
50°	4584.4	6224.9	8202.2	*8974.8*	7616.3	6005.2	5598.7	7568.7	7779.6	7832.4
52.5°	5196.0	7187.9	9893.9	*10560.3*	8883.3	6664.3	6536.1	8854.0	8980.0	9011.4
55°	5877.0	8099.7	11589.3	*12127.6*	10036.7	7239.2	7634.6	10197.8	10165.6	10157.6
57.5°	6785.1	9059.0	12955.1	*13705.7*	11084.0	8015.5	9103.0	11691.8	11062.0	10904.5
60°	8370.6	10549.4	14654.1	*15470.7*	12486.4	9150.6	10183.2	11658.9	10534.0	10252.8
62.5°	10208.8	11984.7	16192.0	*16880.4*	13962.1	10278.4	9322.7	9791.4	8678.2	8399.9
65°	*8868.6*	*11732.1*	*16239.6*	*16946.4*	*14017.0*	*9590.0*	*6891.3*	*6942.6*	*6005.2*	*5770.8*
67.5°	7546.8	10399.2	14789.6	*15346.2*	12504.7	7927.6	4569.8	4529.5	3940.7	3793.5
70°	6719.2	9110.3	12746.4	*12266.7*	10512.7	6700.9	3035.5	2515.6	2149.4	2057.9
72.5°	6038.1	7228.2	10329.7	*8454.9*	8722.2	5452.3	1929.7	1713.7	1429.5	1358.5
75°	5466.9	5979.6	6444.6	*5844.1*	6195.6	4492.9	1636.8	1321.9	1081.7	1021.6
77.5°	4350.1	4654.0	3815.5	*3705.6*	4339.1	3196.7	812.9	556.6	486.3	468.7
80°	2588.8	2200.7	2164.1	*2468.0*	2889.1	1658.8	498.0	307.6	278.3	271.0
82.5°	1567.2	794.6	864.2	*1091.2*	1537.9	754.3	296.6	131.8	117.2	113.5
85°	263.6	216.0	333.2	*318.6*	300.3	161.1	80.6	36.6	33.7	33.0
87.5°	7.3	11.0	14.6	*18.3*	18.3	18.3	18.3	18.3	21.2	22.0
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

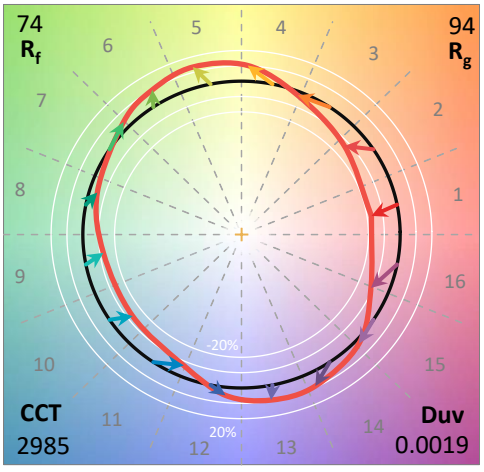
Test Information

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

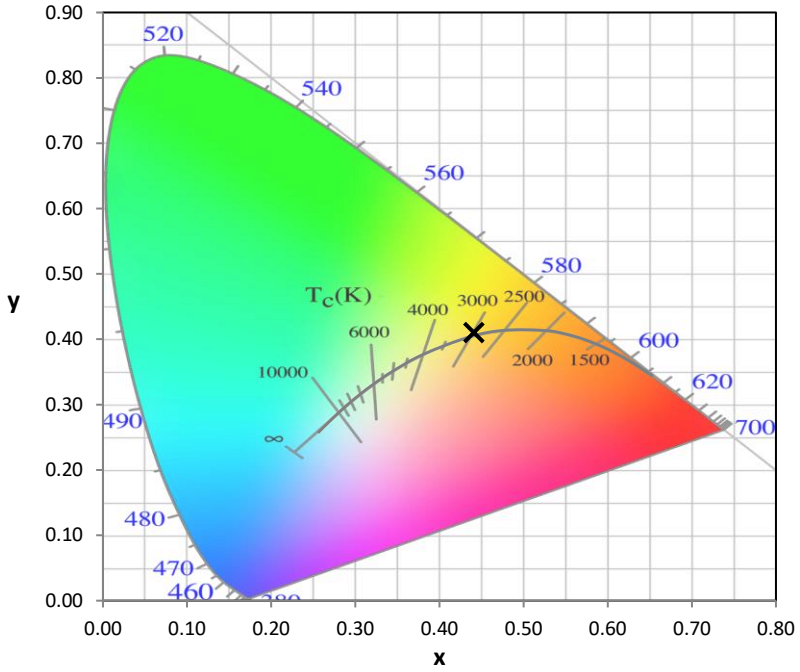
Stabilization Time:	36M
Operation Time:	1H 36M
Sphere Temperature (°C):	25.2

REPORT NUMBER: SP1-2407-184-4

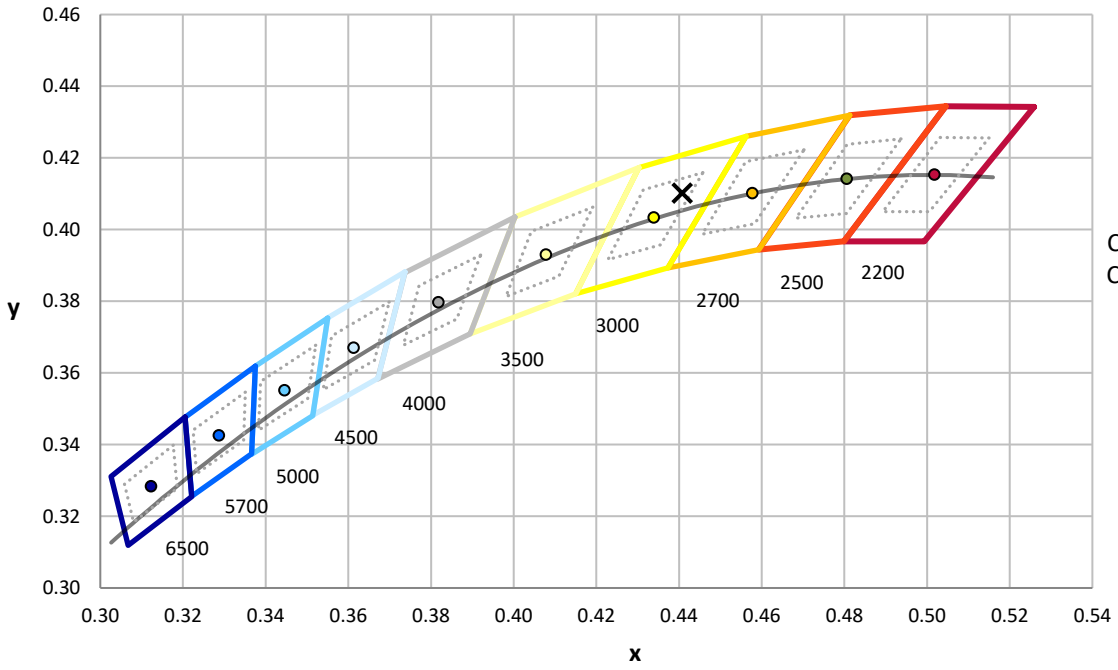
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

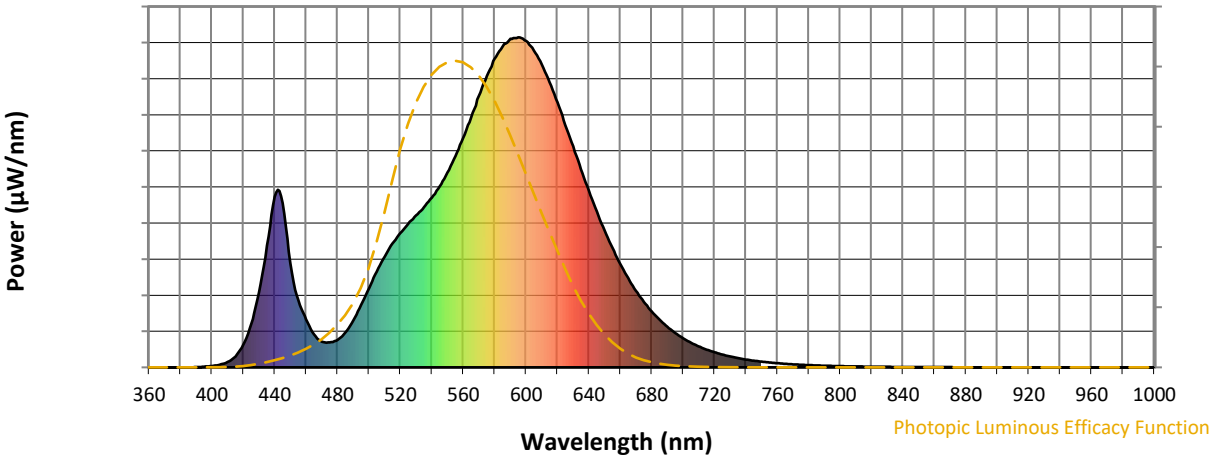


CCT = 2985K
CIE x = 0.4408
CIE y = 0.4101
Duv = 0.0019

Point lies inside the ANSI 3000K 4-step quadrangle

REPORT NUMBER: SP1-2407-184-4

Photopic Flux vs. Wavelength

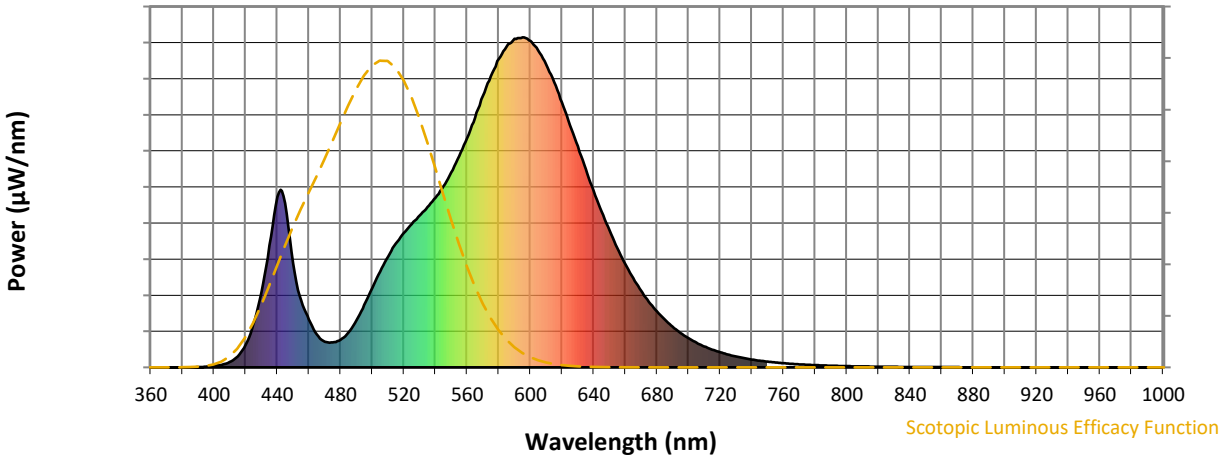


Photopic Lumens: NR

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

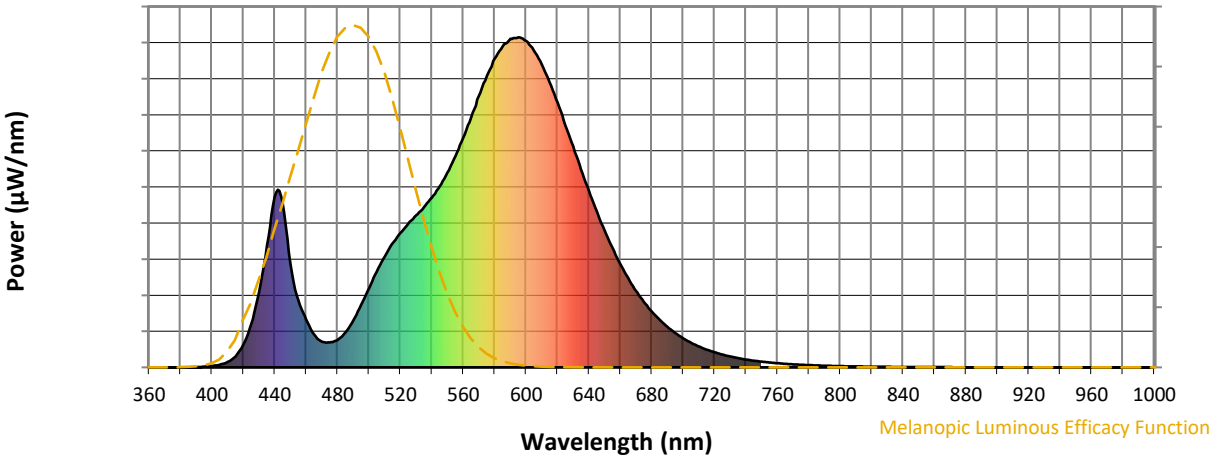


Scotopic Lumens: NR **S/P: 1.19**

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			

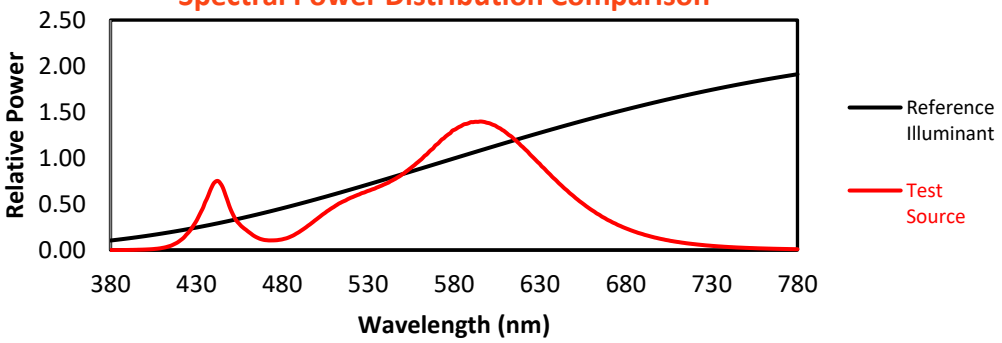
REPORT NUMBER: SP1-2407-184-4

TM-30-18

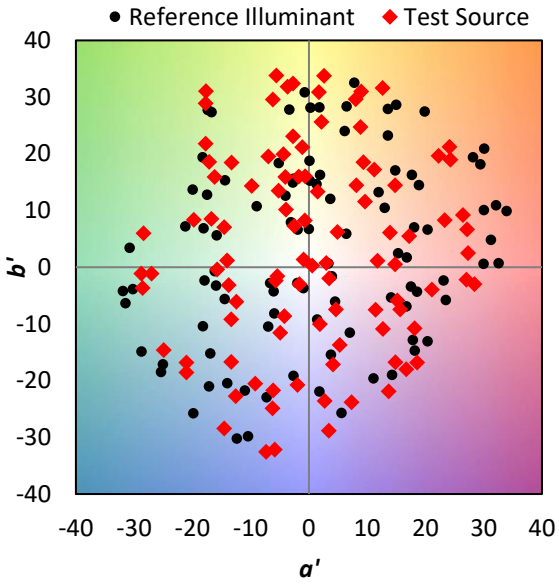
Summary

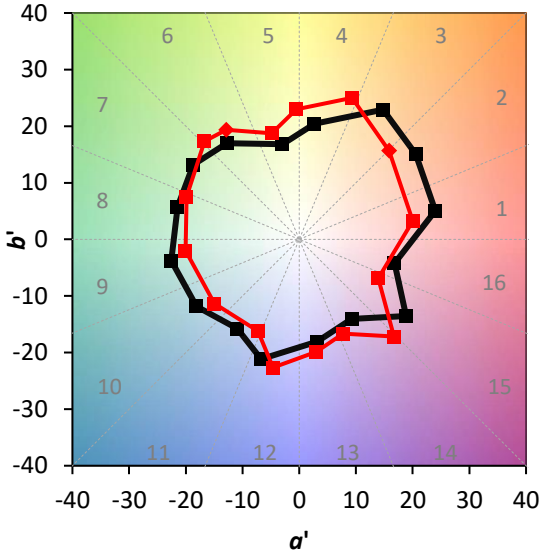
R_f = 73.8
R_g = 94.4
CIE R_a = 70.8
R_9 = -43.2

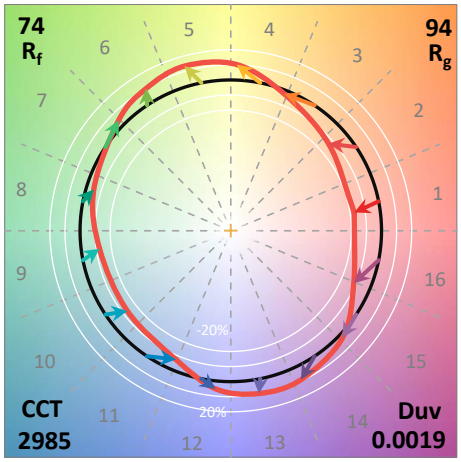
Spectral Power Distribution Comparison

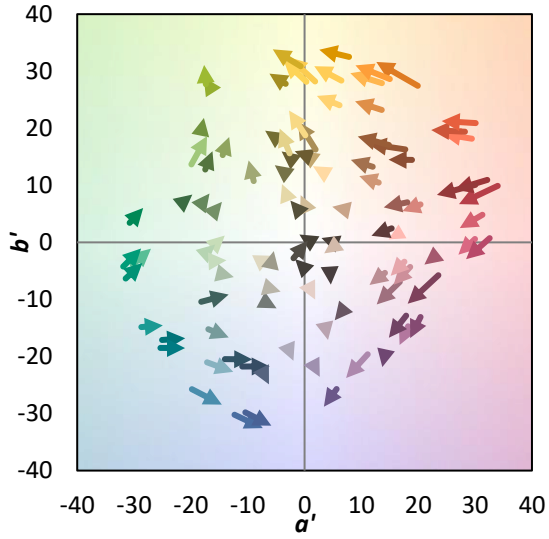


Color Vector Graphics







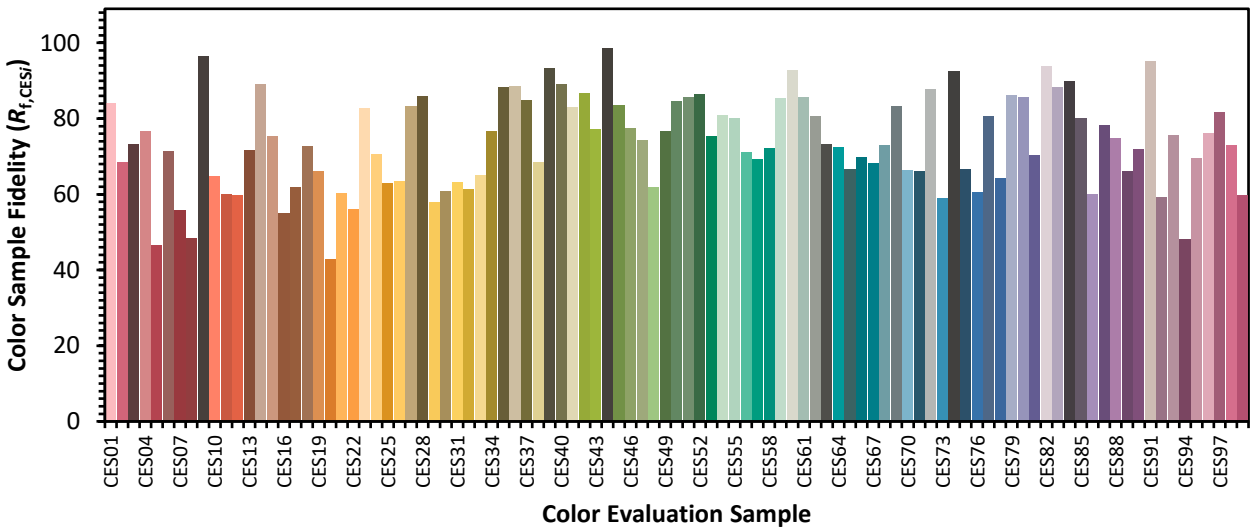


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Individual Sample Fidelity Index ($R_{f,i}$)

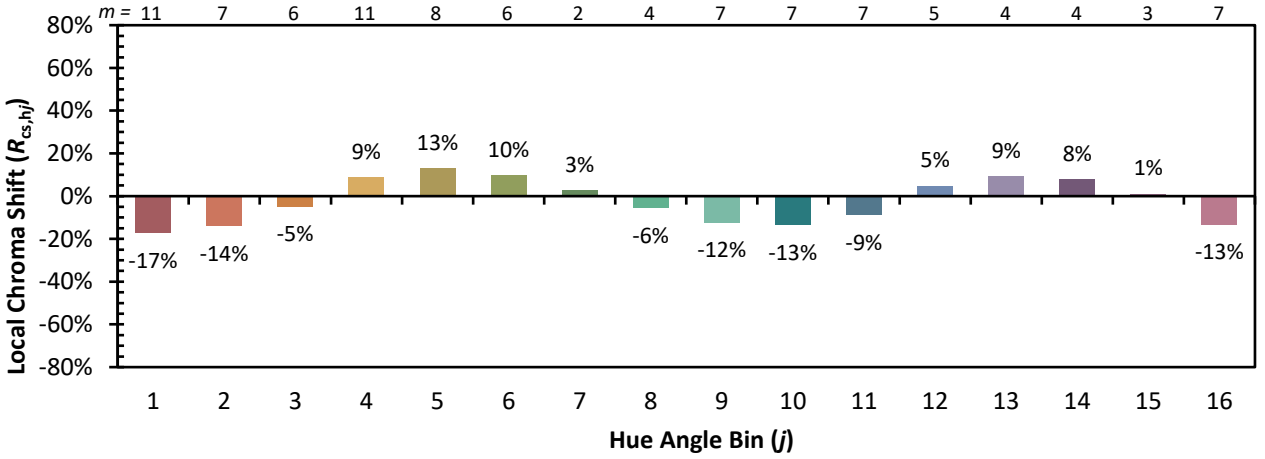
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CES02 = 62	CES27 = 83	CES52 = 86	CES77 = 81
CES03 = 31	CES28 = 86	CES53 = 75	CES78 = 64
CES04 = 71	CES29 = 58	CES54 = 81	CES79 = 86
CES05 = 49	CES30 = 61	CES55 = 80	CES80 = 86
CES06 = 51	CES31 = 63	CES56 = 71	CES81 = 70
CES07 = 41	CES32 = 61	CES57 = 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
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CES24 = 91	CES49 = 77	CES74 = 93	CES99 = 60
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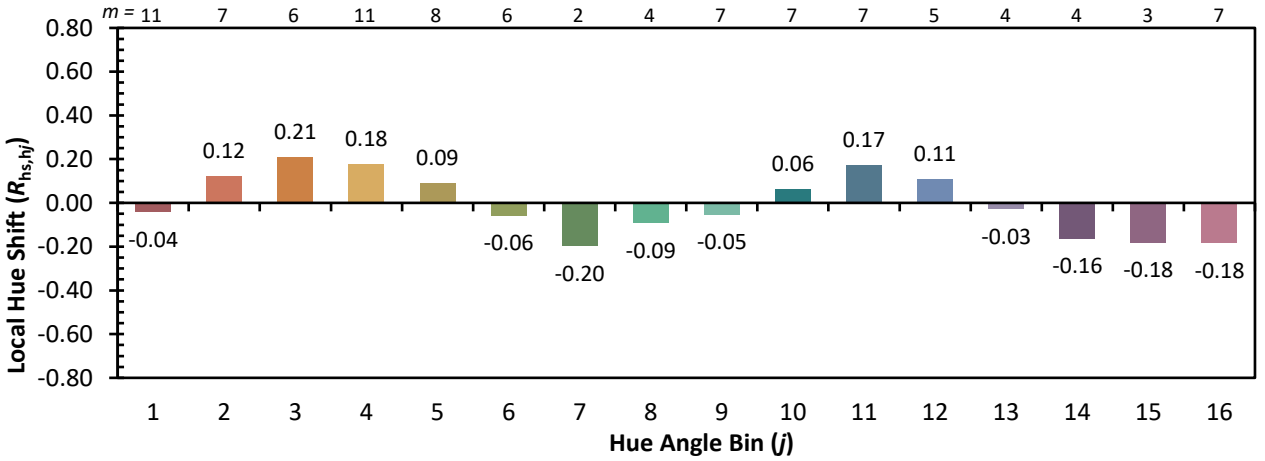


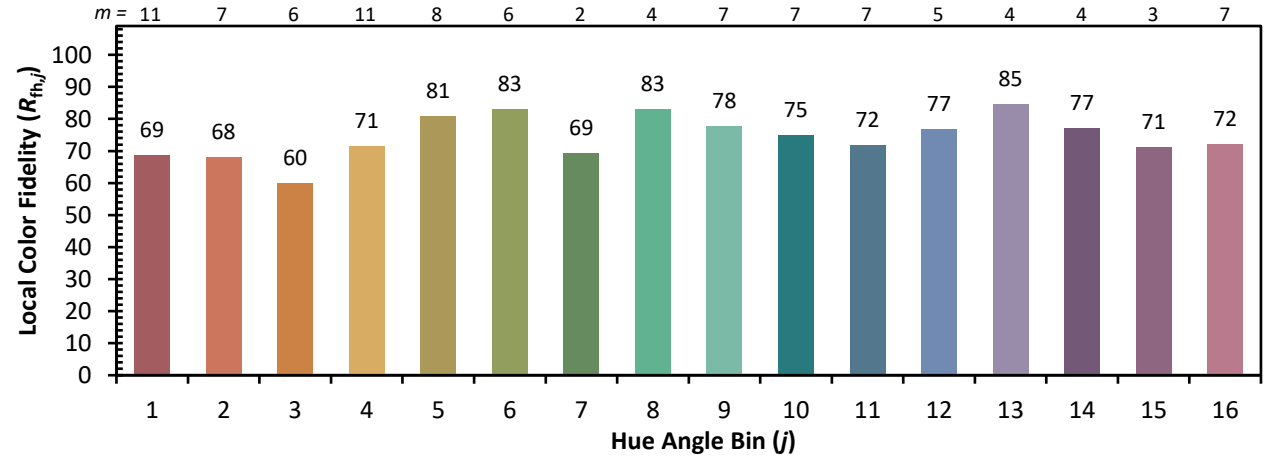
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Color Rendition by Hue-Angle Bin



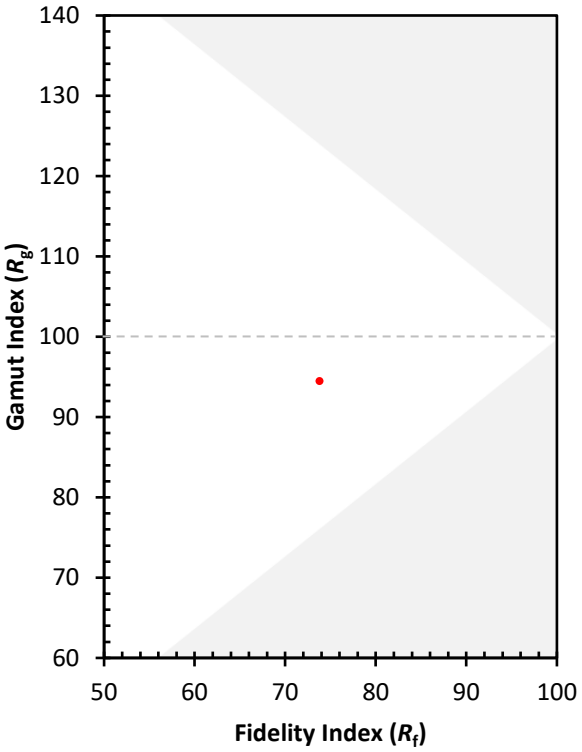


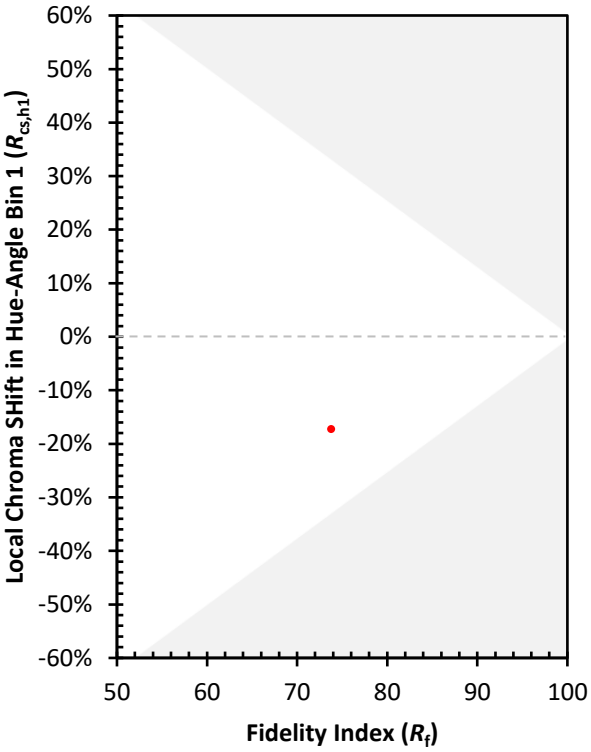


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Measure Comparisons





(END OF REPORT)