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: P1501831

Luminaire Tested: GSS-SB1C-750-U-T2LG-HSS

Issue Date: 07/20/2026

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Scaled Data Report

Test Information

Test Method:	LM-79-2024
Report Number:	P1501831
Test Lab:	INNOVATION CENTER(G1)
Issue Date:	7/20/2026
Manufacturer:	COOPER LIGHTING SOLUTIONS
Product Line:	McGRAW-EDISON
Catalog Number:	GSS-SB1C-750-U-T2LG-HSS
Description:	GALLEON II SLIM SITE HIGH DENSITY LED ARRAYS 1SQUARE 52W 70CRI 5000K FIXTURE w/ TYPE II LOW GLARE DISTRIBUTION FIXTURE W/ HOUSE SIDE SHIELD
Light Source:	(26) 5000K CCT, 70 CRI LEDS
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	5806.7 lumens
Efficiency:	N/A
Efficacy:	111.7 lumens/watt
Luminous Opening:	Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification:	Type II - Short
BUG Rating:	B1 - U0 - G1

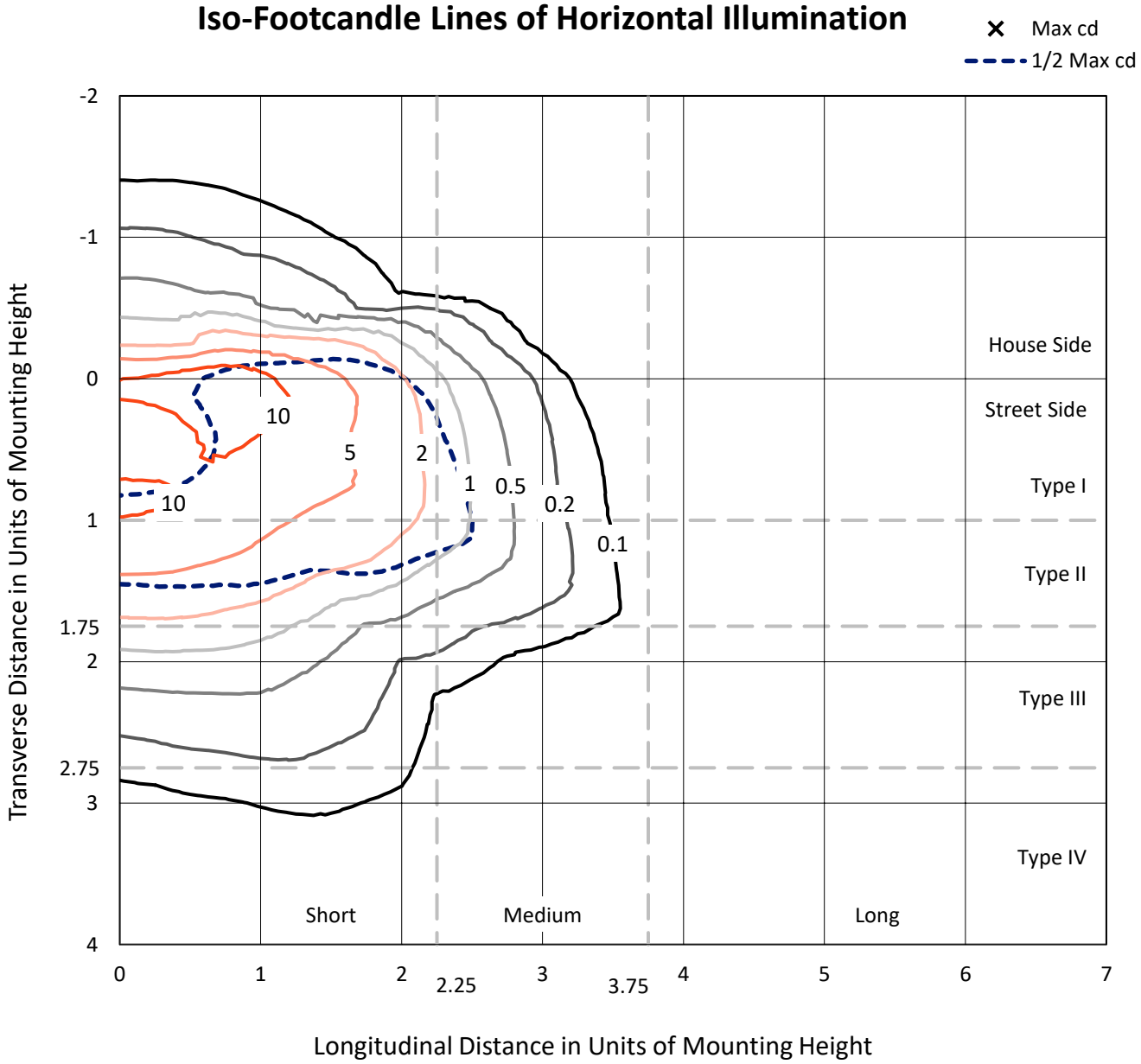
Input Watts (W):	52
Input Voltage (V):	120
Input Current (Ain):	NR
Voltage Rise (V):	NR
Power Factor:	0.98
Total Harmonic Distortion (THDi):	10.1%
Frequency (hertz):	60
Stabilization Time:	NR
Operation Time:	NR
Ambient Temperature (°C):	NR
Test Distance:	28.75 FT

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Iso-Footcandle Lines of Horizontal Illumination



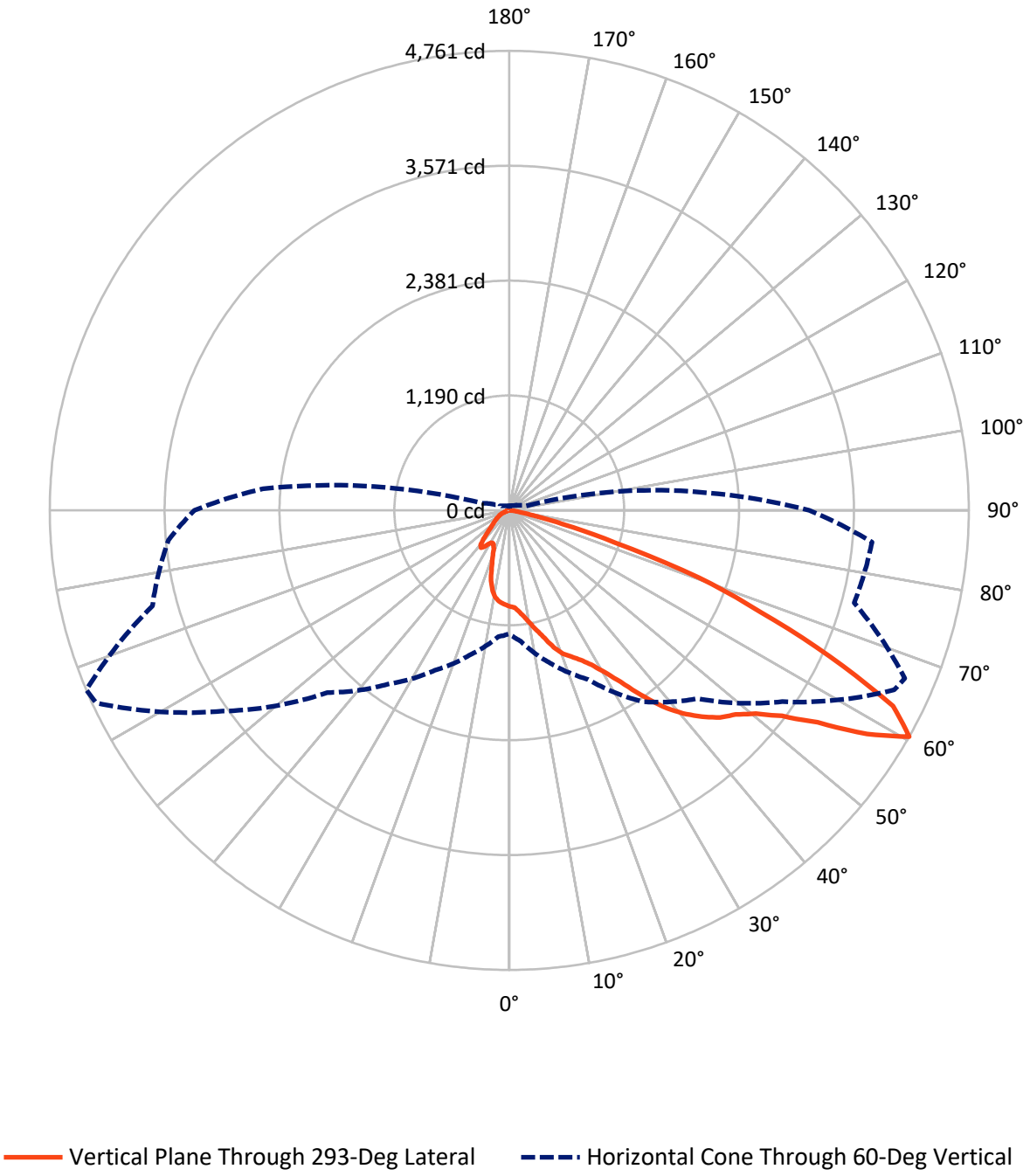
Based on 10 foot mounting height. Maximum calculated value = 16.5 fc
Type II - Short - N/A

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Luminous Intensity Polar Plot



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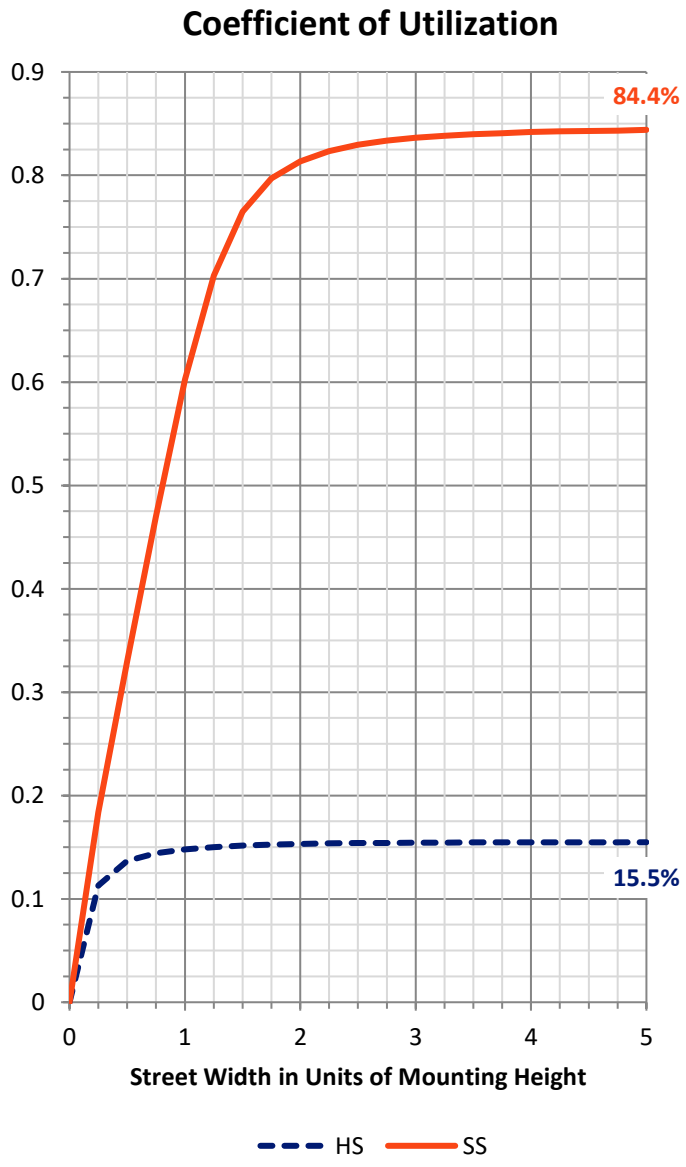
REPORT NUMBER: P1501831
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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	906.0	0.0	906.0
	% Fixture	15.6	0.0	15.6
Street Side	Lumens	4900.7	0.0	4900.7
	% Fixture	84.4	0.0	84.4
Total	Lumens	5806.7	0.0	5806.7
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	90.1	1.6
10°-20°	227.0	3.9
20°-30°	423.7	7.3
30°-40°	840.2	14.5
40°-50°	1339.6	23.1
50°-60°	1600.5	27.6
60°-70°	1049.2	18.1
70°-80°	219.8	3.8
80°-90°	16.6	0.3
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°	5806.7	100.0
0°-180°	5806.7	100.0



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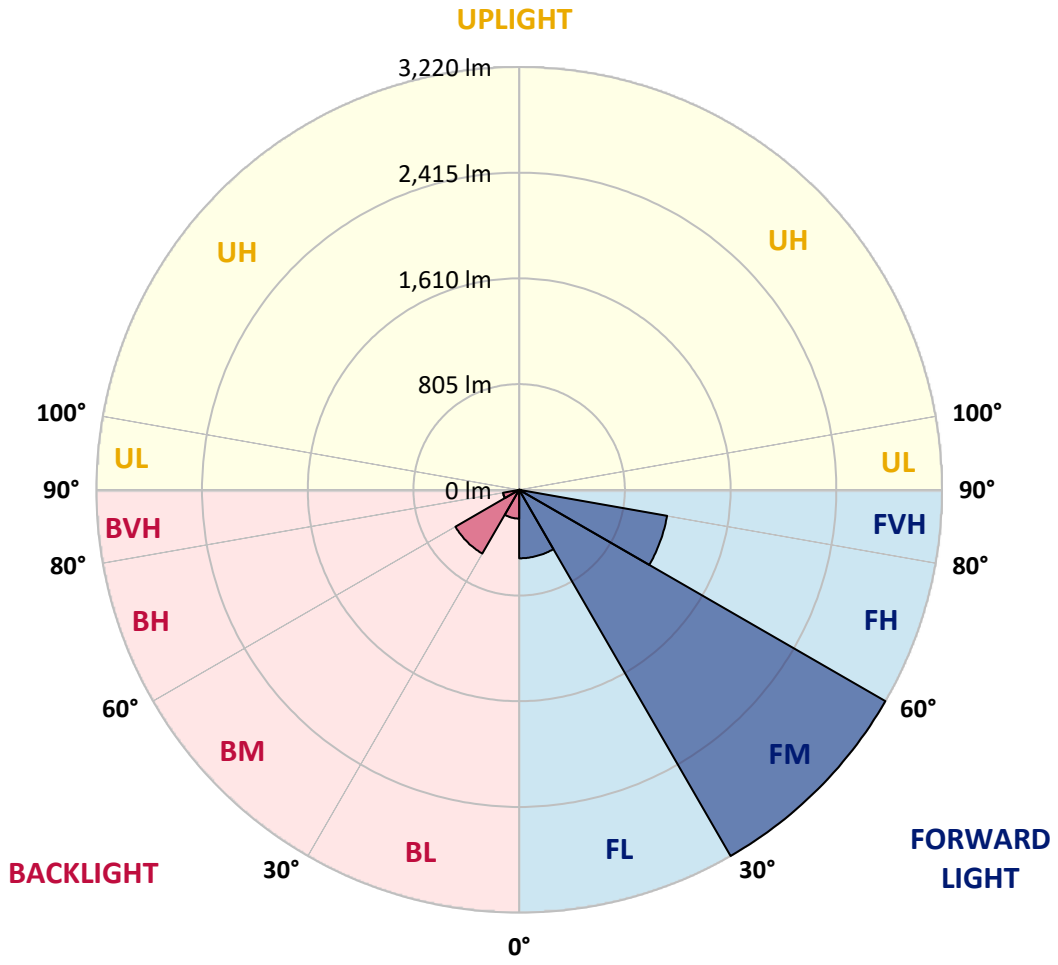
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	521.6	9.0			
FM	(30°-60°)	3220.0	55.5			
FH	(60°-80°)	1143.9	19.7			G1/1800
FVH	(80°-90°)	15.2	0.3			G1/100
BL	(0°-30°)	219.2	3.8	B1/500		
BM	(30°-60°)	560.3	9.6	B1/1000		
BH	(60°-80°)	125.1	2.2	B1/500		G1/500
BVH	(80°-90°)	1.4	0.0			G0/10
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G1
Type II Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	67°	75°	85°
0°	995.2	995.2	995.2	995.2	995.2	995.2	995.2	995.2	995.2	995.2	995.2
2.5°	1045.6	1042.4	1037.5	1039.1	1037.5	1031.0	1021.2	1013.1	1019.6	1009.8	1003.3
5°	1076.5	1076.5	1073.3	1073.3	1074.9	1071.6	1065.1	1053.7	1055.4	1047.2	1026.1
7.5°	1076.5	1071.6	1079.8	1087.9	1102.5	1110.7	1113.9	1107.4	1110.7	1094.4	1066.8
10°	1013.1	1009.8	1031.0	1061.9	1104.2	1141.6	1165.9	1167.6	1172.5	1156.2	1123.7
12.5°	878.1	871.6	913.9	972.4	1058.6	1144.8	1213.1	1239.1	1250.5	1244.0	1198.5
15°	752.9	761.0	790.3	853.7	969.2	1100.9	1239.1	1325.3	1341.6	1349.7	1296.0
17.5°	739.9	741.5	751.3	782.2	870.0	1029.4	1242.4	1414.8	1437.5	1473.3	1400.1
20°	775.7	772.4	782.2	791.9	834.2	965.9	1211.5	1500.9	1544.8	1621.3	1541.6
22.5°	842.3	842.3	847.2	853.7	874.9	961.1	1198.5	1580.6	1655.4	1811.5	1718.8
25°	954.6	941.5	944.8	936.7	954.6	1019.6	1227.7	1644.0	1746.5	2022.9	1930.2
27.5°	1128.5	1133.4	1104.2	1060.2	1070.0	1125.3	1299.3	1715.6	1840.8	2242.5	2144.9
30°	1369.2	1361.1	1343.2	1257.0	1218.0	1266.8	1431.0	1832.7	1967.6	2520.5	2431.1
32.5°	1557.9	1580.6	1549.7	1489.6	1429.4	1444.0	1616.4	2021.3	2122.1	2775.8	2727.1
35°	1785.5	1785.5	1792.0	1707.5	1666.8	1663.6	1848.9	2226.2	2327.0	3006.8	3040.9
37.5°	2092.9	2071.7	2035.9	1941.6	1910.7	1951.4	2066.8	2437.6	2546.6	3193.8	3284.8
40°	2351.4	2366.0	2361.2	2224.6	2164.4	2208.3	2310.8	2618.1	2702.7	3314.1	3481.6
42.5°	2605.1	2613.2	2592.1	2527.0	2439.2	2442.5	2527.0	2754.7	2840.9	3429.6	3667.0
45°	2795.4	2793.7	2779.1	2762.8	2710.8	2657.1	2671.8	2905.9	2980.7	3467.0	3767.8
47.5°	2855.5	2868.5	2881.5	2927.1	2962.8	2878.3	2803.5	2987.2	3055.5	3460.4	3805.2
50°	2800.2	2827.9	2891.3	2959.6	3081.6	3075.0	2914.1	3075.0	3141.7	3496.2	3849.1
52.5°	2676.6	2704.3	2788.8	2912.4	3096.2	3187.3	3119.0	3223.0	3301.1	3587.3	3940.2
55°	2388.8	2400.2	2574.2	2736.8	3023.0	3138.5	3338.5	3473.5	3538.5	3697.9	4060.5
57.5°	1944.9	1972.5	2143.3	2408.3	2818.1	3010.0	3463.7	3901.1	3899.5	3803.6	4086.5
60°	*1279.8*	*1361.1*	*1639.2*	*1931.9*	*2421.3*	*2758.0*	*3455.6*	*4402.0*	*4452.4*	*3699.5*	*3772.7*
62.5°	977.3	1011.5	1169.2	1413.1	1792.0	2286.4	3401.9	4551.6	4590.6	3419.8	3302.7
65°	735.0	777.3	928.5	1146.4	1265.1	1549.7	3050.7	3956.4	4010.1	3052.3	2567.7
67.5°	450.4	484.6	686.2	941.5	957.8	962.7	2058.7	2997.0	3016.5	2462.0	1728.6
70°	300.8	335.0	474.8	723.6	762.7	554.5	1130.2	2268.5	2266.9	1684.7	1050.5
72.5°	174.0	190.3	300.8	533.4	600.0	352.9	564.3	1442.4	1379.0	791.9	491.1
75°	99.2	110.6	165.9	343.1	421.2	224.4	222.8	772.4	683.0	408.2	268.3
77.5°	60.2	65.0	91.1	224.4	253.7	151.2	123.6	359.4	346.4	239.0	141.5
80°	29.3	34.1	55.3	131.7	162.6	81.3	74.8	141.5	151.2	131.7	74.8
82.5°	9.8	13.0	30.9	50.4	105.7	32.5	30.9	78.1	82.9	78.1	35.8
85°	4.9	6.5	14.6	16.3	40.7	16.3	11.4	34.1	42.3	26.0	14.6
87.5°	0.0	1.6	1.6	1.6	1.6	1.6	1.6	3.3	3.3	3.3	3.3
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°	995.2	995.2	995.2	995.2	995.2	995.2	995.2	995.2	995.2	995.2	995.2
2.5°	998.5	995.2	988.7	977.3	975.7	967.6	954.6	946.4	939.9	944.8	946.4
5°	1016.3	1008.2	988.7	957.8	925.3	892.8	861.9	826.1	801.7	798.4	791.9
7.5°	1048.9	1032.6	990.3	930.2	847.2	769.2	678.1	590.3	546.4	539.9	525.2
10°	1100.9	1073.3	1003.3	881.4	722.0	559.4	421.2	326.9	273.2	263.4	266.7
12.5°	1162.7	1123.7	1005.0	798.4	549.6	346.4	239.0	203.3	191.9	187.0	187.0
15°	1242.4	1185.5	1003.3	691.1	370.8	222.8	191.9	177.3	172.4	169.1	169.1
17.5°	1343.2	1268.4	992.0	530.1	250.4	193.5	175.6	164.2	157.7	156.1	156.1
20°	1461.9	1361.1	965.9	395.2	209.8	180.5	165.9	151.2	146.4	143.1	143.1
22.5°	1613.1	1473.3	915.5	307.3	198.4	172.4	156.1	139.8	135.0	131.7	131.7
25°	1788.8	1616.4	848.9	276.4	196.8	165.9	146.4	130.1	125.2	123.6	122.0
27.5°	1996.9	1769.3	787.1	278.1	200.0	161.0	136.6	122.0	117.1	112.2	113.8
30°	2242.5	1927.0	736.6	297.6	203.3	156.1	130.1	117.1	112.2	105.7	105.7
32.5°	2484.8	2112.4	731.8	333.4	214.7	152.9	123.6	110.6	105.7	100.8	100.8
35°	2733.6	2281.5	759.4	380.5	237.4	148.0	115.5	104.1	99.2	95.9	94.3
37.5°	2971.0	2416.5	785.4	409.8	224.4	126.8	105.7	95.9	91.1	84.6	84.6
40°	3128.7	2489.6	790.3	387.0	185.4	113.8	95.9	86.2	79.7	76.4	74.8
42.5°	3244.2	2536.8	735.0	313.8	161.0	104.1	87.8	78.1	73.2	69.9	69.9
45°	3291.3	2520.5	640.7	239.0	148.0	95.9	79.7	71.6	68.3	65.0	65.0
47.5°	3284.8	2445.7	544.8	191.9	135.0	87.8	74.8	68.3	65.0	61.8	60.2
50°	3273.4	2375.8	447.2	170.7	120.3	82.9	69.9	65.0	60.2	56.9	55.3
52.5°	3348.2	2353.0	370.8	156.1	112.2	79.7	68.3	61.8	56.9	53.7	53.7
55°	3423.0	2362.8	291.1	146.4	104.1	78.1	66.7	60.2	55.3	50.4	50.4
57.5°	3418.2	2320.5	221.2	136.6	97.6	76.4	65.0	58.5	50.4	47.2	47.2
60°	*3107.6*	*2070.1*	*172.4*	*125.2*	*89.4*	*71.6*	*60.2*	*55.3*	*47.2*	*42.3*	*42.3*
62.5°	2627.9	1627.8	141.5	110.6	79.7	65.0	55.3	50.4	42.3	34.1	34.1
65°	1941.6	1174.1	113.8	95.9	73.2	56.9	50.4	43.9	34.1	27.6	26.0
67.5°	1313.9	722.0	91.1	79.7	65.0	48.8	42.3	37.4	30.9	22.8	21.1
70°	778.9	383.8	66.7	55.3	48.8	35.8	35.8	32.5	26.0	19.5	17.9
72.5°	370.8	133.3	48.8	40.7	37.4	26.0	27.6	27.6	21.1	14.6	13.0
75°	188.6	65.0	32.5	29.3	24.4	19.5	22.8	21.1	14.6	9.8	9.8
77.5°	107.3	45.5	22.8	19.5	16.3	13.0	14.6	13.0	8.1	4.9	4.9
80°	60.2	32.5	14.6	13.0	9.8	8.1	8.1	6.5	4.9	1.6	1.6
82.5°	22.8	19.5	9.8	6.5	4.9	4.9	3.3	3.3	1.6	0.0	0.0
85°	9.8	4.9	4.9	3.3	3.3	1.6	1.6	1.6	0.0	0.0	0.0
87.5°	1.6	1.6	1.6	1.6	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

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CANDELA DISTRIBUTION (continued):

	185°	195°	205°	215°	225°	235°	245°	255°	265°	270°	275°
0°	995.2	995.2	995.2	995.2	995.2	995.2	995.2	995.2	995.2	995.2	995.2
2.5°	933.4	936.7	939.9	952.9	956.2	965.9	974.1	983.8	985.4	998.5	998.5
5°	804.9	803.3	831.0	871.6	897.6	933.4	961.1	990.3	1006.6	1027.7	1037.5
7.5°	533.4	574.0	635.8	707.4	800.1	886.3	951.3	1008.2	1047.2	1071.6	1081.4
10°	265.1	287.8	352.9	470.0	627.7	803.3	941.5	1047.2	1110.7	1138.3	1156.2
12.5°	187.0	191.9	203.3	266.7	417.9	666.7	910.6	1089.5	1177.3	1229.4	1252.1
15°	167.5	170.7	175.6	193.5	258.6	497.6	855.4	1136.7	1281.4	1341.6	1370.8
17.5°	154.5	156.1	161.0	175.6	203.3	338.2	765.9	1187.1	1406.6	1479.8	1535.1
20°	143.1	143.1	148.0	165.9	188.6	260.2	637.5	1244.0	1566.0	1671.7	1727.0
22.5°	130.1	133.3	136.6	156.1	183.8	237.4	517.1	1287.9	1743.2	1871.7	1936.7
25°	120.3	123.6	126.8	146.4	178.9	237.4	447.2	1315.6	1941.6	2094.5	2183.9
27.5°	112.2	115.5	120.3	139.8	174.0	247.2	419.5	1323.7	2157.9	2356.3	2476.6
30°	105.7	109.0	113.8	135.0	177.3	258.6	429.3	1312.3	2377.4	2626.2	2769.3
32.5°	99.2	102.4	107.3	130.1	177.3	273.2	461.8	1289.5	2590.5	2896.2	3071.8
35°	94.3	95.9	97.6	117.1	161.0	271.6	502.5	1266.8	2805.1	3162.9	3367.8
37.5°	84.6	86.2	89.4	100.8	128.5	247.2	510.6	1239.1	2974.2	3387.3	3613.3
40°	74.8	78.1	81.3	92.7	107.3	200.0	474.8	1180.6	3063.7	3559.6	3834.5
42.5°	68.3	69.9	73.2	84.6	99.2	159.4	398.4	1078.1	3143.3	3676.7	3995.5
45°	63.4	65.0	68.3	76.4	92.7	138.2	313.8	952.9	3149.9	3714.1	4073.5
47.5°	58.5	60.2	61.8	69.9	89.4	123.6	240.7	839.1	3148.2	3762.9	4140.2
50°	55.3	56.9	60.2	66.7	84.6	110.6	198.4	746.4	3216.5	3868.6	4275.1
52.5°	53.7	53.7	58.5	65.0	79.7	100.8	165.9	663.5	3252.3	3972.7	4372.7
55°	50.4	52.0	55.3	61.8	74.8	95.9	141.5	559.4	3268.6	4024.7	4390.6
57.5°	47.2	48.8	53.7	58.5	71.6	91.1	122.0	417.9	3036.0	3753.2	4091.4
60°	*42.3*	*45.5*	*52.0*	*56.9*	*66.7*	*82.9*	*107.3*	*283.0*	*2561.2*	*3262.1*	*3545.0*
62.5°	34.1	40.7	47.2	50.4	60.2	69.9	91.1	188.6	2045.7	2699.4	3021.4
65°	26.0	34.1	39.0	43.9	50.4	58.5	76.4	128.5	1364.3	1816.4	2179.0
67.5°	22.8	29.3	32.5	35.8	42.3	50.4	61.8	89.4	827.7	1091.1	1448.9
70°	17.9	24.4	27.6	26.0	32.5	39.0	43.9	60.2	422.8	591.9	824.5
72.5°	13.0	19.5	21.1	21.1	19.5	27.6	32.5	42.3	183.8	287.8	374.0
75°	9.8	13.0	14.6	13.0	11.4	17.9	22.8	27.6	120.3	172.4	217.9
77.5°	4.9	4.9	8.1	8.1	4.9	9.8	11.4	16.3	68.3	100.8	125.2
80°	1.6	0.0	0.0	1.6	0.0	3.3	4.9	8.1	35.8	53.7	78.1
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6	17.9	16.3	40.7
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.3	9.8
87.5°	0.0	0.0	0.0	0.0	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: P1501831
CATALOG NUMBER: GSS-SB1C-750-U-T2LG-HSS

CANDELA DISTRIBUTION (continued):

	285°	293°	295°	305°	315°	325°	335°	345°	355°	360°
0°	995.2	*995.2*	995.2	995.2	995.2	995.2	995.2	995.2	995.2	995.2
2.5°	1006.6	*1006.6*	1013.1	1022.8	1027.7	1031.0	1032.6	1035.9	1048.9	1045.6
5°	1048.9	*1052.1*	1057.0	1066.8	1078.1	1074.9	1074.9	1074.9	1083.0	1076.5
7.5°	1104.2	*1113.9*	1115.5	1126.9	1118.8	1102.5	1092.8	1078.1	1076.5	1076.5
10°	1193.6	*1190.3*	1190.3	1175.7	1146.4	1099.3	1057.0	1027.7	1011.5	1013.1
12.5°	1289.5	*1276.5*	1278.2	1224.5	1141.6	1037.5	951.3	887.9	883.0	878.1
15°	1408.2	*1374.1*	1367.6	1244.0	1068.4	909.0	824.5	774.0	757.8	752.9
17.5°	1577.4	*1491.2*	1460.3	1209.9	972.4	829.3	765.9	743.2	741.5	739.9
20°	1756.2	*1585.5*	1527.0	1159.4	939.9	831.0	783.8	777.3	774.0	775.7
22.5°	1964.4	*1645.7*	1570.9	1167.6	969.2	884.6	847.2	842.3	839.1	842.3
25°	2179.0	*1715.6*	1622.9	1232.6	1057.0	983.8	939.9	930.2	939.9	954.6
27.5°	2395.3	*1809.9*	1725.3	1361.1	1198.5	1118.8	1076.5	1112.3	1126.9	1128.5
30°	2587.2	*1941.6*	1863.6	1541.6	1359.5	1279.8	1287.9	1333.4	1351.3	1369.2
32.5°	2762.8	*2117.2*	2057.1	1746.5	1567.6	1520.5	1515.6	1549.7	1569.2	1557.9
35°	2940.1	*2346.5*	2288.0	1969.3	1822.9	1783.9	1743.2	1809.9	1803.4	1785.5
37.5°	3107.6	*2577.4*	2523.8	2208.3	2057.1	1988.8	1982.3	2042.4	2096.1	2092.9
40°	3227.9	*2764.5*	2699.4	2445.7	2302.6	2244.1	2278.2	2382.3	2369.3	2351.4
42.5°	3338.5	*2923.8*	2865.3	2653.9	2504.3	2530.3	2561.2	2631.1	2623.0	2605.1
45°	3390.5	*3060.4*	3010.0	2811.6	2738.4	2821.4	2819.7	2845.8	2801.9	2795.4
47.5°	3463.7	*3158.0*	3105.9	2953.1	3018.1	3052.3	2956.3	2928.7	2888.0	2855.5
50°	3598.7	*3309.2*	3257.2	3167.7	3223.0	3117.3	3000.2	2940.1	2857.1	2800.2
52.5°	3756.4	*3538.5*	3493.0	3457.2	3302.7	3084.8	2935.2	2826.2	2725.4	2676.6
55°	3954.8	*3876.7*	3844.2	3647.5	3231.2	2951.5	2775.8	2572.6	2434.3	2388.8
57.5°	4019.8	*4372.7*	4361.3	3678.4	3031.1	2709.2	2392.1	2117.2	1974.1	1944.9
60°	*3828.0*	*4761.4*	*4720.7*	*3626.3*	*2668.5*	*2198.6*	*1827.8*	*1546.5*	*1313.9*	*1279.8*
62.5°	3582.4	*4463.8*	4449.1	3364.5	2032.7	1575.7	1366.0	1102.5	1003.3	977.3
65°	3068.5	*3652.3*	3658.8	2699.4	1286.3	1131.8	1122.0	876.5	754.5	735.0
67.5°	2362.8	*2801.9*	2756.3	1697.7	749.7	905.8	896.0	640.7	463.5	450.4
70°	1380.6	*2086.4*	2013.2	883.0	496.0	756.2	689.5	450.4	315.5	300.8
72.5°	609.8	*1148.1*	1232.6	388.6	349.6	601.7	497.6	276.4	177.3	174.0
75°	338.2	*569.2*	595.2	169.1	245.5	427.7	300.8	154.5	100.8	99.2
77.5°	203.3	*252.1*	245.5	109.0	183.8	273.2	182.1	87.8	63.4	60.2
80°	113.8	*115.5*	97.6	79.7	109.0	152.9	102.4	55.3	29.3	29.3
82.5°	69.9	*63.4*	50.4	24.4	29.3	92.7	37.4	30.9	9.8	9.8
85°	29.3	*19.5*	13.0	4.9	11.4	24.4	13.0	14.6	4.9	4.9
87.5°	0.0	*0.0*	0.0	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

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

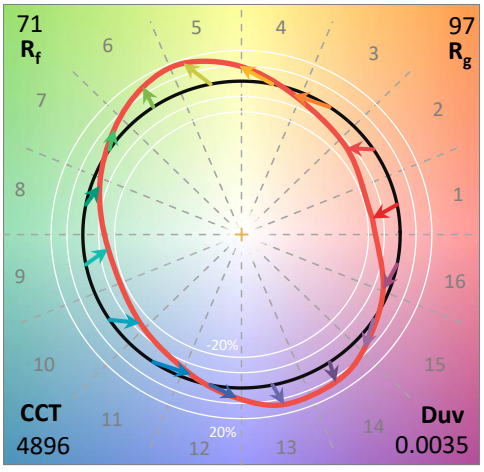
Test Information

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

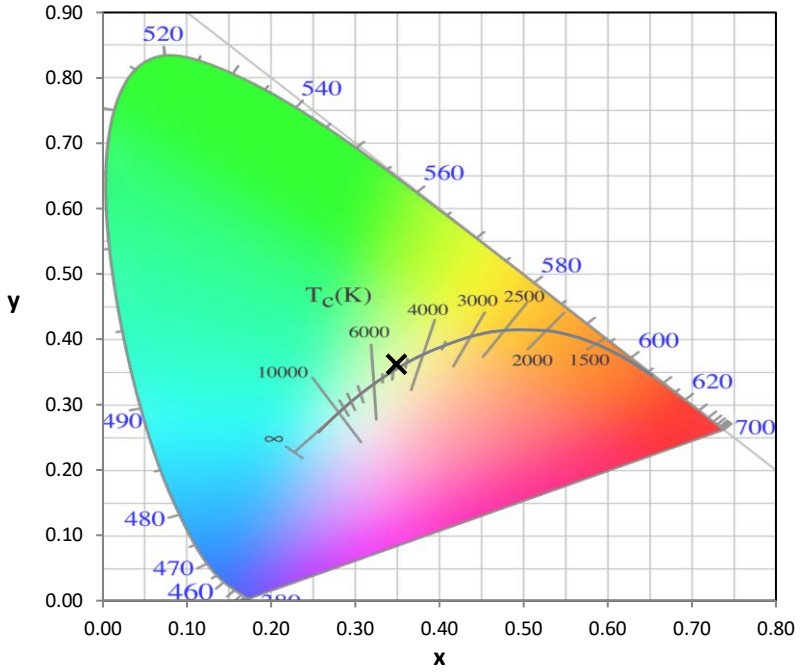
Stabilization Time:	21M
Operation Time:	1H 21M
Sphere Temperature (°C):	25.2

REPORT NUMBER: SP1-2407-184-6

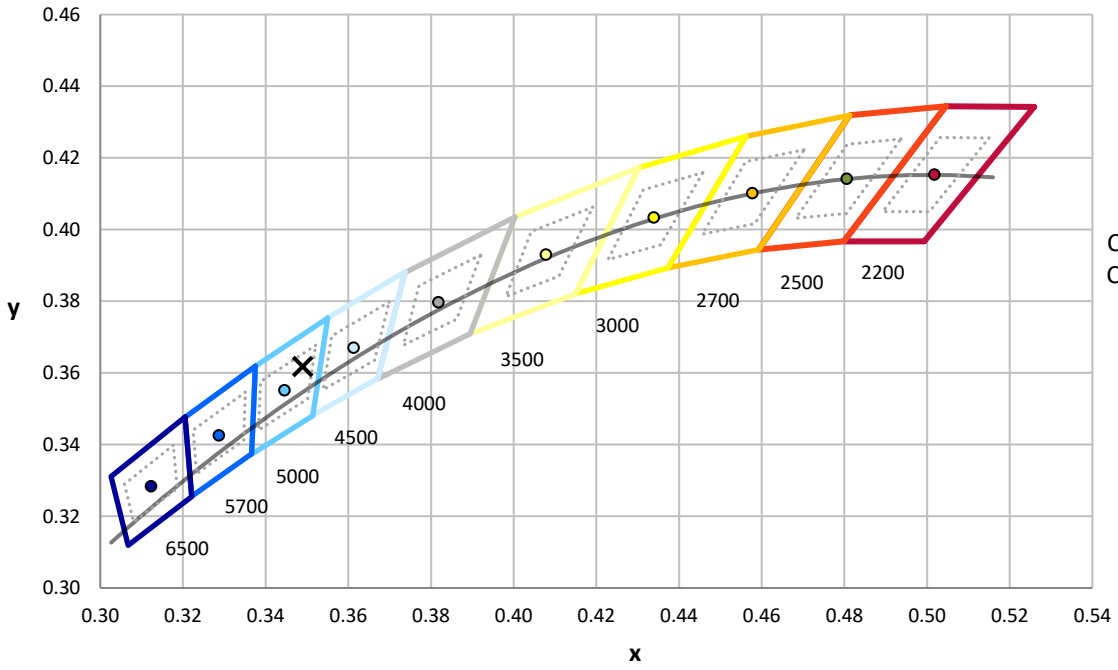
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

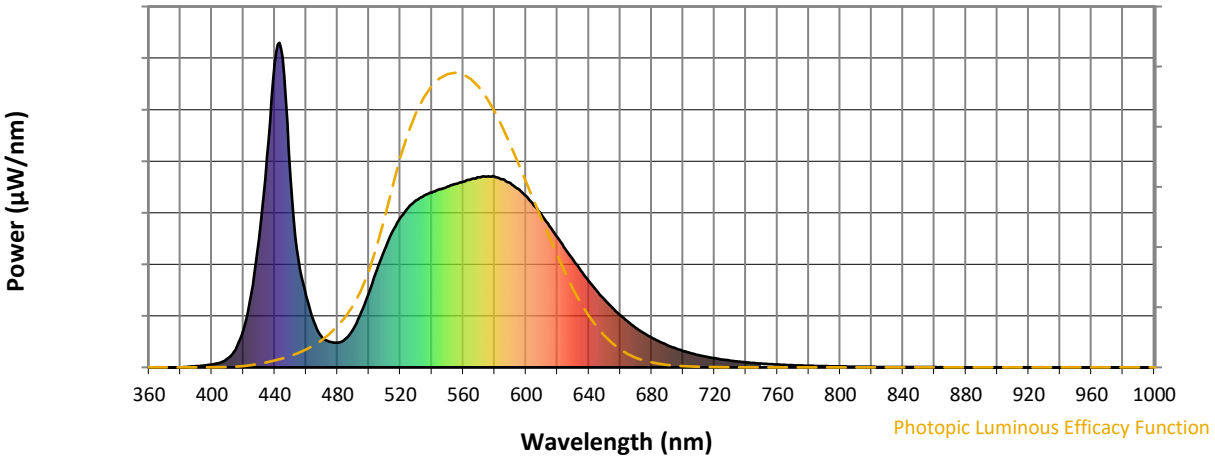


CCT = 4896K
CIE x = 0.3489
CIE y = 0.3618
Duv = 0.0035

Point lies inside the ANSI 5000K 4-step quadrangle

REPORT NUMBER: SP1-2407-184-6

Photopic Flux vs. Wavelength

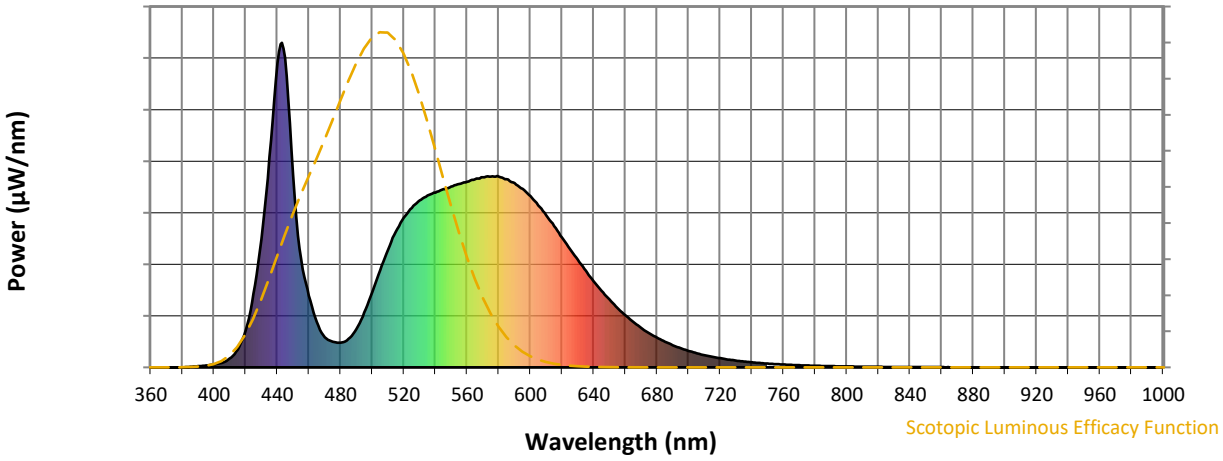


Photopic Lumens: NR

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

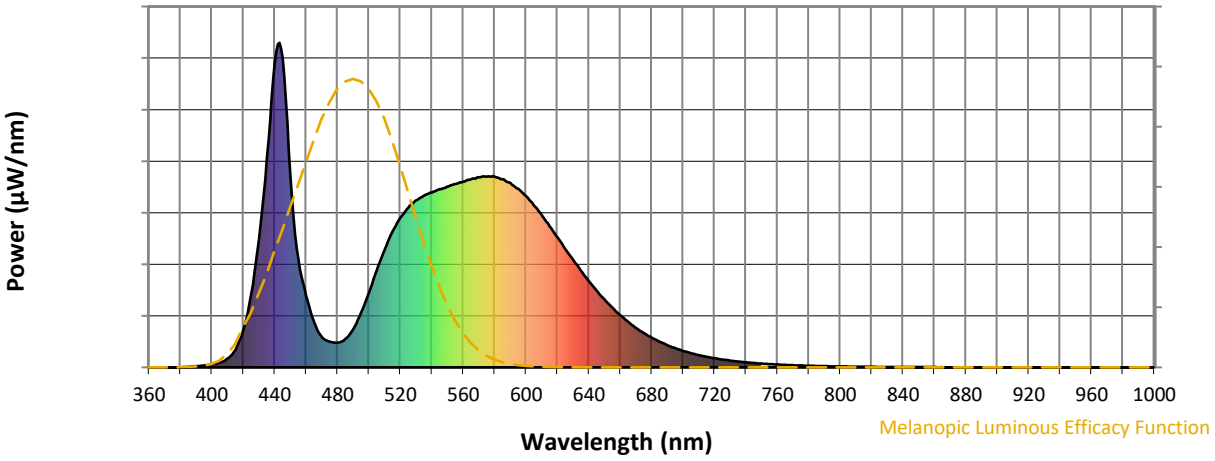


Scotopic Lumens: NR **S/P: 1.7**

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			

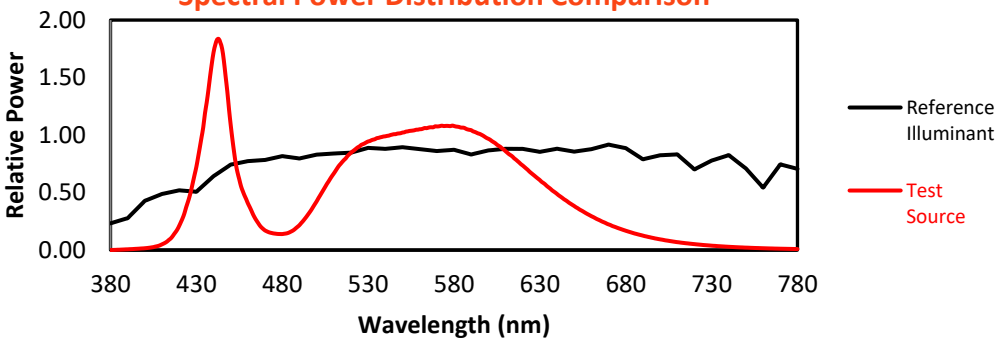
REPORT NUMBER: SP1-2407-184-6

TM-30-18

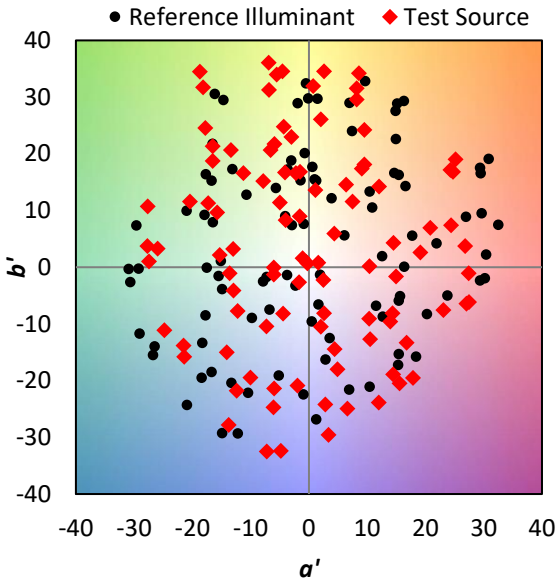
Summary

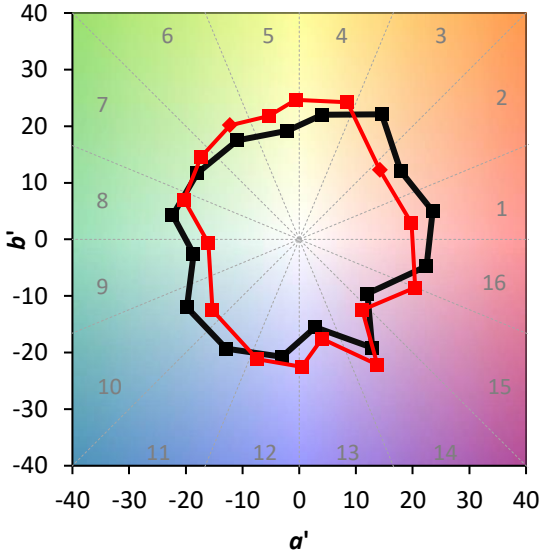
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R_g = 96.8
CIE R_a = 70.2
R_9 = -35.1

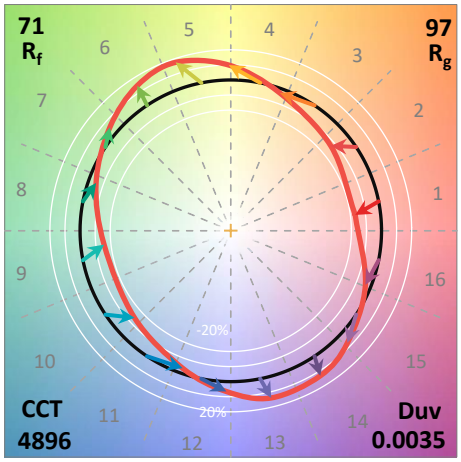
Spectral Power Distribution Comparison

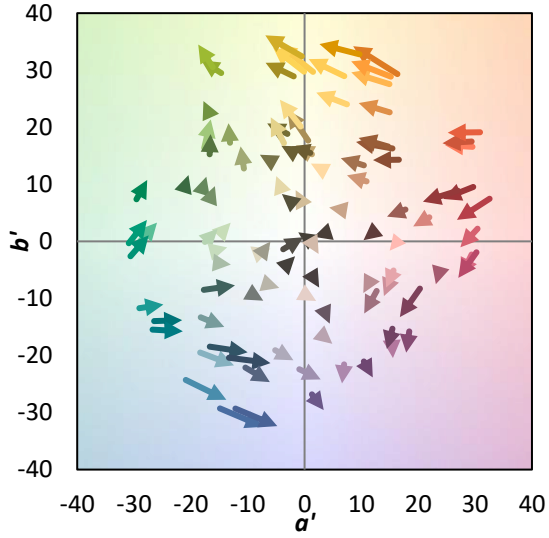


Color Vector Graphics







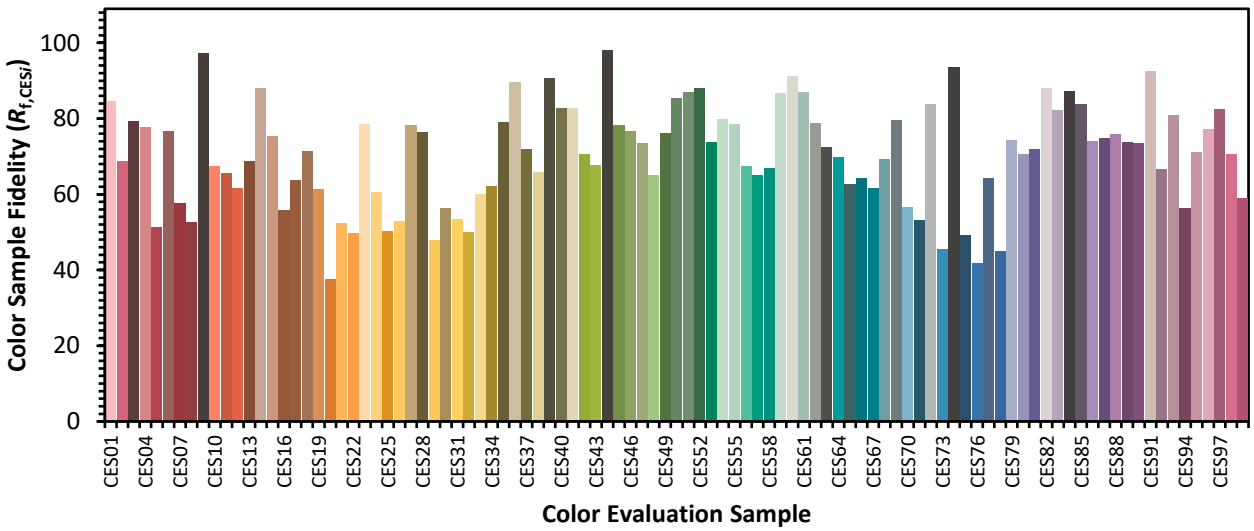


REPORT NUMBER: SP1-2407-184-6

TM-30-18

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

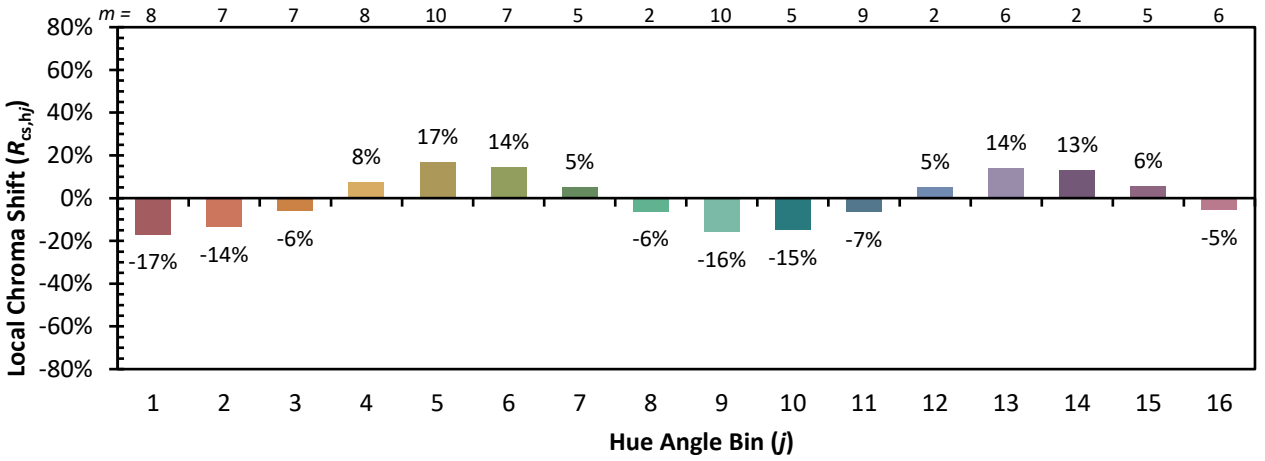
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CES02 = 59	CES27 = 78	CES52 = 88	CES77 = 64
CES03 = 30	CES28 = 76	CES53 = 74	CES78 = 45
CES04 = 69	CES29 = 48	CES54 = 80	CES79 = 74
CES05 = 46	CES30 = 56	CES55 = 79	CES80 = 71
CES06 = 50	CES31 = 54	CES56 = 68	CES81 = 72
CES07 = 39	CES32 = 50	CES57 = 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	

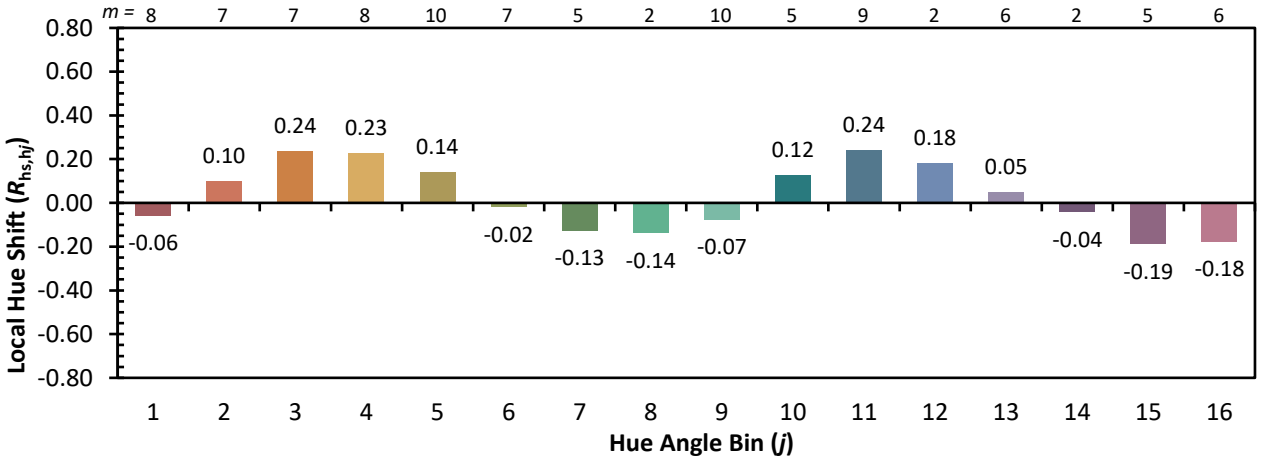


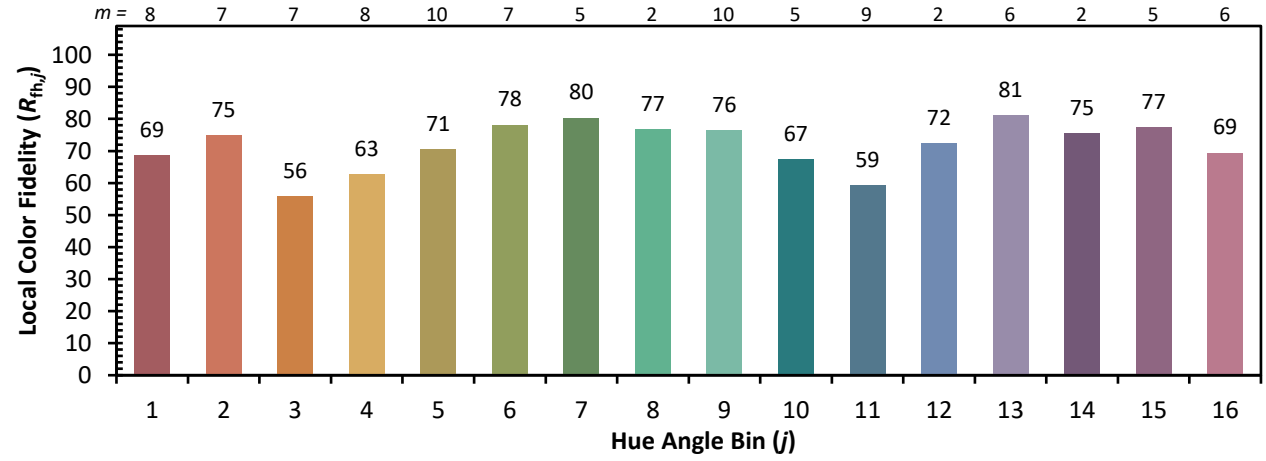
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Color Rendition by Hue-Angle Bin



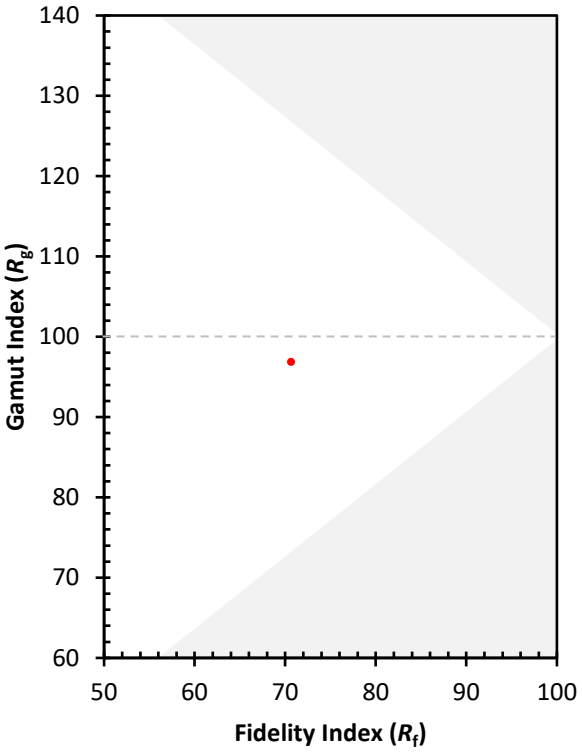


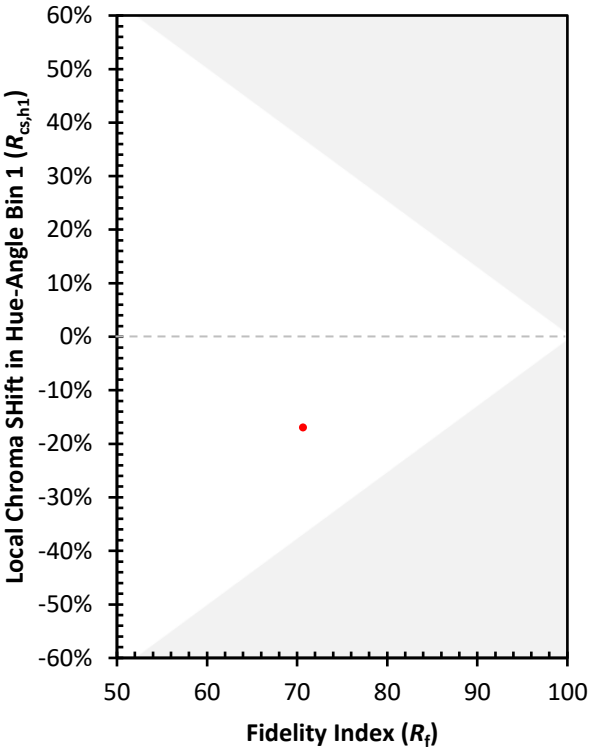


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Measure Comparisons





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