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: P1501543

Luminaire Tested: GSS-SB1C-835-U-T2LG

Issue Date: 07/20/2026

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1121 Highway 74 South
Peachtree City, GA 30269

Scaled Data Report

Test Information

Test Method:	LM-79-2024
Report Number:	P1501543
Test Lab:	INNOVATION CENTER(G1)
Issue Date:	7/20/2026
Manufacturer:	COOPER LIGHTING SOLUTIONS
Product Line:	McGRAW-EDISON
Catalog Number:	GSS-SB1C-835-U-T2LG
Description:	GALLEON II SLIM SITE HIGH DENSITY LED ARRAYS 1SQUARE 52W 80CRI 3500K FIXTURE w/ TYPE II LOW GLARE DISTRIBUTION FIXTURE
Light Source:	(26) 3500K CCT, 80 CRI LEDS
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	6256.9 lumens
Efficiency:	N/A
Efficacy:	120.3 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

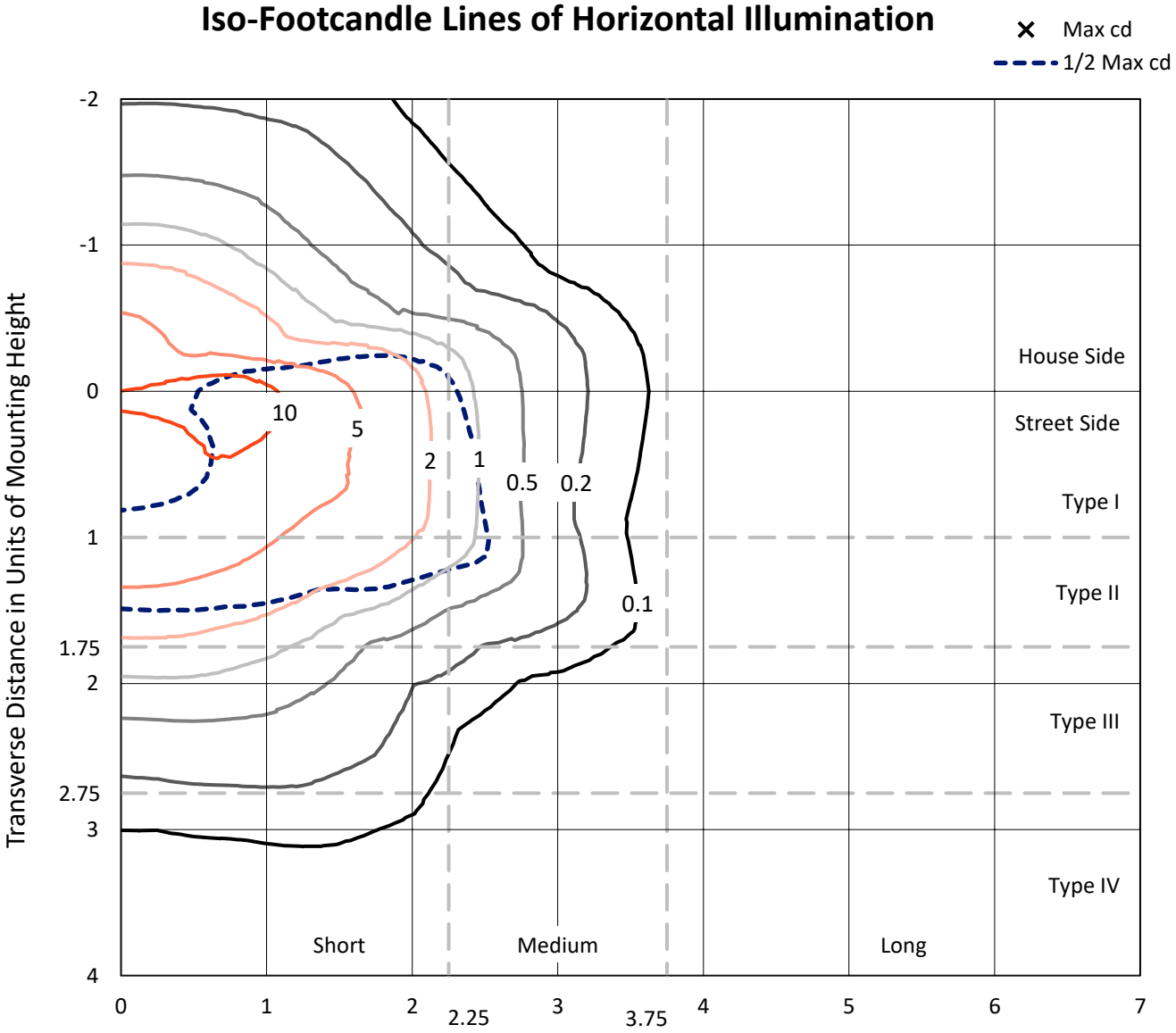
Input Watts (W):	52
Input Voltage (V):	120
Input Current (Ain):	NR
Voltage Rise (V):	NR
Power Factor:	0.98
Total Harmonic Distortion (THDi):	10.1%
Frequency (hertz):	60
Stabilization Time:	NR
Operation Time:	NR
Ambient Temperature (°C):	NR
Test Distance:	28.75 FT

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Iso-Footcandle Lines of Horizontal Illumination



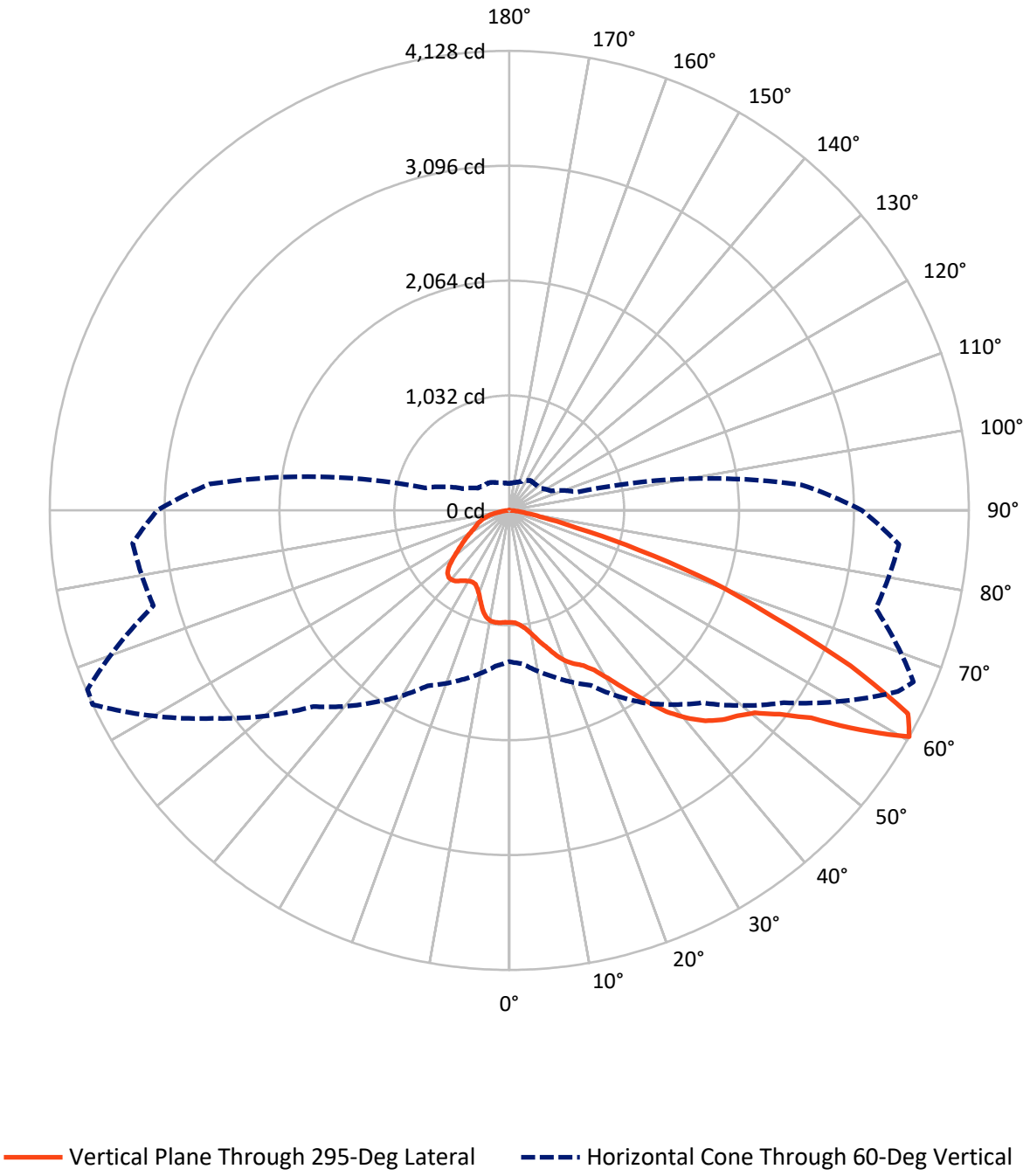
Based on 10 foot mounting height. Maximum calculated value = 15.2 fc
Type II - Short - N/A

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Luminous Intensity Polar Plot



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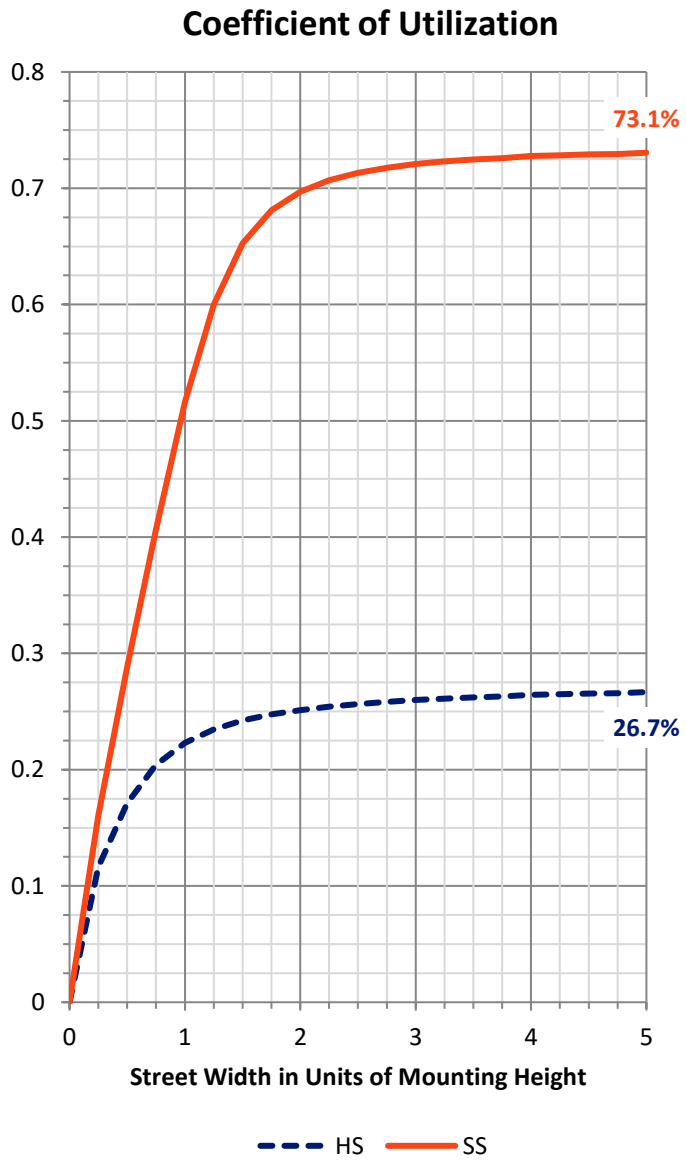
REPORT NUMBER: P1501543
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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1682.5	0.0	1682.5
	% Fixture	26.9	0.0	26.9
Street Side	Lumens	4574.3	0.0	4574.3
	% Fixture	73.1	0.0	73.1
Total	Lumens	6256.9	0.0	6256.9
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	94.7	1.5
10°-20°	272.1	4.3
20°-30°	515.4	8.2
30°-40°	908.6	14.5
40°-50°	1343.8	21.5
50°-60°	1577.9	25.2
60°-70°	1143.3	18.3
70°-80°	352.6	5.6
80°-90°	48.5	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°	6256.9	100.0
0°-180°	6256.9	100.0



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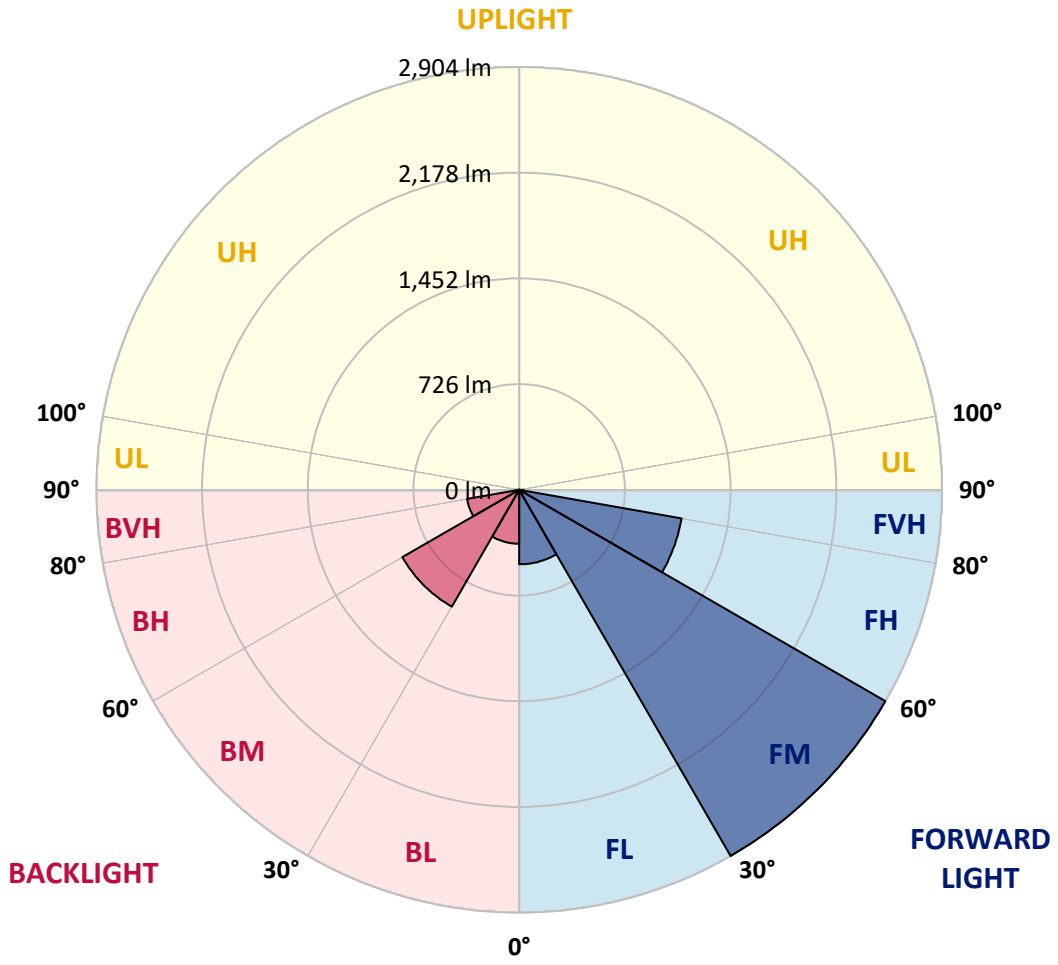
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	511.6	8.2			
FM	(30°-60°)	2903.9	46.4			
FH	(60°-80°)	1132.7	18.1			G1/1800
FVH	(80°-90°)	26.2	0.4			G1/100
BL	(0°-30°)	370.6	5.9	B1/500		
BM	(30°-60°)	926.5	14.8	B1/1000		
BH	(60°-80°)	363.2	5.8	B1/500		G1/500
BVH	(80°-90°)	22.4	0.4			G1/100
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°	1006.7	1006.7	1006.7	1006.7	1006.7	1006.7	1006.7	1006.7	1006.7	1006.7	1006.7
2.5°	1026.7	1029.5	1025.2	1028.1	1028.1	1023.8	1022.4	1016.7	1019.5	1018.1	1016.7
5°	1050.9	1052.3	1049.5	1053.8	1053.8	1055.2	1053.8	1046.6	1046.6	1046.6	1043.8
7.5°	1043.8	1043.8	1045.2	1059.5	1073.7	1092.3	1092.3	1089.4	1092.3	1090.8	1078.0
10°	983.9	989.6	1002.4	1038.1	1072.3	1112.2	1139.3	1147.9	1147.9	1149.3	1127.9
12.5°	876.9	881.2	911.2	965.4	1036.6	1109.4	1175.0	1217.7	1222.0	1229.1	1200.6
15°	781.4	784.3	805.6	861.3	942.5	1070.9	1194.9	1283.3	1297.6	1327.5	1284.8
17.5°	790.0	788.5	794.2	815.6	874.1	1008.1	1190.6	1360.3	1386.0	1438.8	1401.7
20°	841.3	841.3	845.6	849.9	871.2	962.5	1159.3	1423.1	1473.0	1575.6	1532.9
22.5°	922.6	922.6	921.1	928.3	928.3	982.5	1160.7	1470.1	1544.3	1728.2	1686.9
25°	1035.2	1029.5	1029.5	1032.4	1019.5	1058.0	1196.3	1518.6	1615.6	1909.3	1873.7
27.5°	1162.1	1166.4	1163.6	1153.6	1136.5	1166.4	1281.9	1594.2	1695.4	2100.4	2086.1
30°	1300.4	1301.9	1304.7	1299.0	1284.8	1306.1	1415.9	1708.3	1800.9	2300.0	2331.4
32.5°	1435.9	1455.9	1448.7	1434.5	1440.2	1478.7	1581.3	1862.3	1957.8	2485.4	2596.6
35°	1608.4	1615.6	1644.1	1591.3	1592.8	1658.3	1792.4	2064.7	2157.4	2677.9	2861.8
37.5°	1859.4	1872.2	1859.4	1776.7	1763.9	1855.1	1997.7	2264.4	2331.4	2823.3	3108.5
40°	2106.1	2121.8	2143.2	2046.2	1964.9	2040.5	2191.6	2416.9	2486.8	2903.2	3272.5
42.5°	2310.0	2335.7	2312.8	2284.3	2210.2	2224.4	2327.1	2535.3	2605.2	3004.4	3437.9
45°	2482.5	2486.8	2496.8	2476.8	2439.8	2426.9	2442.6	2639.4	2716.4	3050.1	3519.2
47.5°	2553.8	2572.4	2580.9	2615.1	2653.6	2628.0	2541.0	2687.9	2757.7	3047.2	3544.8
50°	2515.3	2533.9	2579.5	2660.8	2753.5	2799.1	2656.5	2754.9	2833.3	3098.5	3597.6
52.5°	2414.1	2434.1	2508.2	2600.9	2756.3	2860.4	2819.1	2894.6	2970.2	3189.8	3686.0
55°	2168.8	2198.8	2302.9	2456.9	2670.8	2827.6	2990.2	3100.0	3182.7	3299.6	3777.3
57.5°	1812.3	1843.7	1960.6	2191.6	2512.5	2692.1	3040.1	3485.0	3522.0	3430.8	3785.8
60°	*1357.5*	*1383.1*	*1548.6*	*1733.9*	*2110.4*	*2444.0*	*3011.6*	*3850.0*	*3944.1*	*3408.0*	*3513.5*
62.5°	1075.1	1106.5	1253.4	1338.9	1608.4	2019.1	2911.7	3951.2	4032.5	3219.7	3134.2
65°	839.9	861.3	998.1	1120.8	1186.4	1378.9	2495.4	3456.4	3529.2	2913.2	2586.6
67.5°	554.7	587.5	750.0	918.3	952.5	876.9	1716.8	2659.3	2693.6	2315.7	1945.0
70°	397.8	413.5	534.7	714.4	765.7	587.5	935.4	2013.4	2023.4	1554.3	1310.4
72.5°	270.9	273.8	363.6	547.6	610.3	426.4	514.8	1326.1	1291.9	767.1	750.0
75°	183.9	186.8	232.4	365.0	432.1	296.6	335.1	722.9	694.4	423.5	454.9
77.5°	124.1	126.9	159.7	245.3	288.0	205.3	245.3	382.1	375.0	280.9	243.8
80°	94.1	98.4	118.4	156.9	201.1	119.8	139.7	181.1	183.9	149.7	124.1
82.5°	52.8	58.5	71.3	79.9	129.8	67.0	67.0	108.4	104.1	92.7	67.0
85°	22.8	24.2	28.5	29.9	52.8	28.5	24.2	47.1	48.5	45.6	21.4
87.5°	4.3	4.3	4.3	4.3	4.3	4.3	4.3	5.7	5.7	5.7	5.7
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°	1006.7	1006.7	1006.7	1006.7	1006.7	1006.7	1006.7	1006.7	1006.7	1006.7	1006.7
2.5°	1009.6	1018.1	1009.6	1005.3	1005.3	998.1	995.3	995.3	985.3	989.6	986.7
5°	1032.4	1035.2	1025.2	1012.4	995.3	981.0	961.1	935.4	919.7	918.3	919.7
7.5°	1068.0	1069.4	1042.4	1013.8	971.1	919.7	858.4	808.5	764.3	757.2	765.7
10°	1117.9	1115.1	1075.1	1008.1	918.3	809.9	715.8	670.2	644.5	643.1	641.7
12.5°	1184.9	1166.4	1105.1	983.9	827.0	701.6	653.1	650.2	657.4	663.1	664.5
15°	1261.9	1237.7	1129.3	936.8	734.4	661.6	664.5	688.7	697.3	703.0	703.0
17.5°	1357.5	1326.1	1156.4	869.8	687.3	670.2	690.1	713.0	727.2	732.9	731.5
20°	1484.4	1418.8	1177.8	805.6	674.5	684.4	701.6	724.4	738.6	745.8	745.8
22.5°	1611.3	1530.0	1182.1	761.4	674.5	685.9	701.6	724.4	740.1	747.2	745.8
25°	1783.8	1672.6	1183.5	730.1	675.9	678.7	693.0	713.0	735.8	742.9	745.8
27.5°	1967.8	1829.5	1190.6	722.9	670.2	668.8	678.7	697.3	720.1	738.6	740.1
30°	2195.9	2006.3	1193.5	730.1	671.6	653.1	660.2	678.7	703.0	721.5	727.2
32.5°	2419.8	2170.3	1187.8	745.8	674.5	643.1	644.5	655.9	681.6	694.4	704.4
35°	2656.5	2344.2	1177.8	767.1	675.9	638.8	626.0	631.7	648.8	650.2	654.5
37.5°	2841.9	2474.0	1147.9	795.7	678.7	623.1	597.5	593.2	586.1	571.8	574.6
40°	2994.4	2561.0	1098.0	809.9	671.6	604.6	561.8	541.9	514.8	493.4	497.6
42.5°	3104.2	2619.4	1038.1	812.8	660.2	573.2	520.5	486.2	456.3	433.5	434.9
45°	3152.7	2613.7	973.9	791.4	633.1	534.7	482.0	449.2	416.4	392.1	389.3
47.5°	3154.1	2558.1	885.5	740.1	587.5	490.5	446.3	410.7	383.6	366.5	365.0
50°	3165.6	2526.7	802.8	665.9	527.6	443.5	414.9	379.3	363.6	339.4	332.2
52.5°	3236.8	2578.1	745.8	584.6	472.0	409.2	387.9	356.5	330.8	315.1	313.7
55°	3352.3	2666.5	714.4	523.3	419.2	376.4	362.2	335.1	312.3	296.6	292.3
57.5°	3366.6	2712.1	677.3	466.3	376.4	350.8	345.1	315.1	282.3	270.9	266.6
60°	*3167.0*	*2635.1*	*631.7*	*413.5*	*345.1*	*330.8*	*328.0*	*288.0*	*260.9*	*246.7*	*241.0*
62.5°	2894.6	2442.6	561.8	365.0	320.8	310.9	299.4	268.1	233.9	218.2	213.9
65°	2365.6	2053.3	477.7	332.2	296.6	285.2	282.3	239.6	216.7	208.2	206.8
67.5°	1792.4	1649.8	420.6	308.0	270.9	266.6	256.7	242.4	232.4	222.4	219.6
70°	1267.6	1190.6	357.9	276.6	245.3	238.1	279.5	263.8	228.1	215.3	213.9
72.5°	768.6	747.2	309.4	248.1	211.0	222.4	258.1	238.1	205.3	189.6	183.9
75°	484.8	443.5	259.5	211.0	168.3	181.1	225.3	212.5	176.8	161.1	156.9
77.5°	263.8	245.3	195.4	172.5	132.6	146.9	196.8	175.4	141.2	154.0	136.9
80°	115.5	128.3	129.8	99.8	88.4	108.4	141.2	136.9	108.4	109.8	91.3
82.5°	55.6	72.7	84.1	68.4	49.9	64.2	94.1	78.4	72.7	68.4	65.6
85°	17.1	27.1	37.1	32.8	22.8	27.1	44.2	42.8	51.3	44.2	41.4
87.5°	5.7	5.7	4.3	4.3	4.3	5.7	7.1	4.3	1.4	1.4	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°	1006.7	1006.7	1006.7	1006.7	1006.7	1006.7	1006.7	1006.7	1006.7	1006.7	1006.7
2.5°	985.3	986.7	986.7	988.2	988.2	992.4	998.1	1003.9	999.6	1005.3	1006.7
5°	916.9	924.0	929.7	951.1	968.2	982.5	998.1	1012.4	1016.7	1019.5	1026.7
7.5°	755.7	775.7	812.8	861.3	915.4	968.2	1003.9	1040.9	1046.6	1053.8	1063.7
10°	643.1	651.6	677.3	727.2	824.2	928.3	1015.3	1073.7	1098.0	1112.2	1122.2
12.5°	661.6	655.9	651.6	658.8	721.5	855.6	1008.1	1120.8	1166.4	1182.1	1194.9
15°	705.8	700.1	684.4	664.5	671.6	778.6	983.9	1165.0	1237.7	1263.4	1290.5
17.5°	731.5	725.8	713.0	691.6	673.0	714.4	938.3	1204.9	1350.3	1381.7	1420.2
20°	745.8	740.1	727.2	705.8	684.4	690.1	879.8	1254.8	1478.7	1528.6	1585.6
22.5°	748.6	741.5	727.2	705.8	693.0	688.7	824.2	1284.8	1617.0	1694.0	1759.6
25°	747.2	734.4	715.8	700.1	693.0	691.6	785.7	1301.9	1766.7	1889.3	1963.5
27.5°	737.2	721.5	703.0	691.6	688.7	697.3	768.6	1321.8	1942.1	2099.0	2217.3
30°	725.8	703.0	680.2	675.9	683.0	710.1	782.8	1329.0	2126.1	2327.1	2448.3
32.5°	695.9	678.7	655.9	654.5	671.6	720.1	815.6	1319.0	2288.6	2555.3	2707.8
35°	653.1	643.1	630.3	634.5	661.6	728.6	838.4	1287.6	2436.9	2767.7	2946.0
37.5°	577.5	584.6	591.8	601.7	636.0	727.2	848.4	1237.7	2559.5	2937.4	3165.6
40°	493.4	517.6	540.4	566.1	611.7	715.8	851.3	1176.4	2630.8	3065.7	3360.9
42.5°	440.6	463.4	491.9	529.0	578.9	690.1	848.4	1107.9	2653.6	3154.1	3485.0
45°	392.1	419.2	454.9	493.4	550.4	653.1	822.8	1033.8	2665.1	3195.5	3537.7
47.5°	366.5	382.1	414.9	453.4	513.3	607.4	772.9	979.6	2647.9	3204.1	3601.9
50°	336.5	357.9	379.3	416.4	474.8	550.4	713.0	948.2	2676.5	3288.2	3703.1
52.5°	313.7	325.1	347.9	382.1	424.9	497.6	655.9	922.6	2754.9	3373.7	3808.6
55°	296.6	309.4	323.7	352.2	385.0	444.9	597.5	884.1	2846.1	3465.0	3914.2
57.5°	269.5	278.1	298.0	328.0	349.4	393.6	529.0	838.4	2839.0	3393.7	3731.6
60°	*245.3*	*253.8*	*275.2*	*305.1*	*318.0*	*347.9*	*462.0*	*780.0*	*2702.1*	*3161.3*	*3395.1*
62.5°	218.2	228.1	253.8	275.2	286.6	309.4	392.1	673.0	2416.9	2811.9	3001.6
65°	206.8	212.5	229.6	255.2	253.8	275.2	330.8	529.0	1945.0	2148.9	2321.4
67.5°	219.6	228.1	225.3	232.4	228.1	239.6	296.6	424.9	1528.6	1618.4	1718.2
70°	216.7	236.7	246.7	232.4	199.6	212.5	256.7	339.4	1093.7	1085.1	1080.8
72.5°	189.6	209.6	238.1	252.4	195.4	176.8	222.4	293.7	701.6	698.7	631.7
75°	161.1	175.4	209.6	228.1	168.3	142.6	191.1	249.5	419.2	424.9	379.3
77.5°	148.3	141.2	175.4	201.1	136.9	109.8	154.0	188.2	231.0	233.9	216.7
80°	106.9	102.7	131.2	146.9	104.1	78.4	87.0	116.9	124.1	111.2	115.5
82.5°	68.4	69.9	78.4	94.1	64.2	42.8	59.9	78.4	67.0	54.2	64.2
85°	44.2	49.9	41.4	48.5	20.0	20.0	25.7	34.2	22.8	15.7	17.1
87.5°	0.0	0.0	2.9	5.7	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: P1501543
CATALOG NUMBER: GSS-SB1C-835-U-T2LG

CANDELA DISTRIBUTION (continued):

	285°	293°	295°	305°	315°	325°	335°	345°	355°	360°
0°	1006.7	1006.7	*1006.7*	1006.7	1006.7	1006.7	1006.7	1006.7	1006.7	1006.7
2.5°	1011.0	1009.6	*1009.6*	1012.4	1019.5	1022.4	1026.7	1025.2	1029.5	1026.7
5°	1030.9	1032.4	*1036.6*	1038.1	1042.4	1048.1	1049.5	1048.1	1050.9	1050.9
7.5°	1070.9	1076.6	*1073.7*	1080.8	1075.1	1068.0	1056.6	1048.1	1040.9	1043.8
10°	1137.9	1135.0	*1133.6*	1120.8	1095.1	1058.0	1028.1	995.3	989.6	983.9
12.5°	1212.0	1209.2	*1209.2*	1165.0	1092.3	1015.3	946.8	895.5	878.4	876.9
15°	1316.1	1297.6	*1280.5*	1187.8	1042.4	911.2	831.3	791.4	781.4	781.4
17.5°	1445.9	1397.4	*1368.9*	1170.7	961.1	842.7	795.7	785.7	782.8	790.0
20°	1607.0	1484.4	*1443.0*	1132.2	931.1	851.3	828.5	829.9	831.3	841.3
22.5°	1783.8	1564.2	*1495.8*	1132.2	961.1	905.5	894.1	909.7	914.0	922.6
25°	1980.6	1635.5	*1542.8*	1192.1	1049.5	1008.1	993.9	1009.6	1021.0	1035.2
27.5°	2201.6	1709.7	*1624.1*	1300.4	1163.6	1137.9	1122.2	1129.3	1145.0	1162.1
30°	2399.8	1833.7	*1748.2*	1465.8	1319.0	1287.6	1260.5	1271.9	1289.0	1300.4
32.5°	2575.2	1984.9	*1912.2*	1639.8	1497.2	1443.0	1413.1	1410.2	1444.5	1435.9
35°	2736.3	2163.1	*2093.3*	1838.0	1678.3	1611.3	1571.4	1622.7	1599.9	1608.4
37.5°	2863.3	2348.5	*2292.9*	2027.7	1866.5	1775.3	1751.0	1813.8	1849.4	1859.4
40°	2967.3	2509.6	*2451.2*	2215.9	2039.1	1972.1	2010.6	2114.6	2110.4	2106.1
42.5°	3047.2	2647.9	*2583.8*	2358.5	2204.5	2217.3	2247.3	2317.1	2334.2	2310.0
45°	3082.8	2734.9	*2683.6*	2471.1	2392.7	2466.8	2479.7	2509.6	2498.2	2482.5
47.5°	3124.2	2811.9	*2757.7*	2573.8	2596.6	2669.3	2643.7	2619.4	2578.1	2553.8
50°	3194.1	2903.2	*2857.6*	2723.5	2806.2	2782.0	2682.2	2628.0	2543.8	2515.3
52.5°	3326.7	3075.7	*3041.5*	2960.2	2904.6	2764.9	2643.7	2546.7	2452.6	2414.1
55°	3445.0	3309.6	*3289.6*	3181.2	2874.7	2675.0	2512.5	2362.8	2201.6	2168.8
57.5°	3513.5	3697.4	*3720.2*	3275.3	2737.8	2471.1	2231.6	1992.0	1839.4	1812.3
60°	*3309.6*	*4116.6*	*4128.0*	*3256.8*	*2491.1*	*2103.2*	*1738.2*	*1568.5*	*1404.5*	*1357.5*
62.5°	3028.7	4029.7	*4019.7*	3145.6	1983.5	1534.3	1320.4	1240.6	1113.6	1075.1
65°	2603.7	3356.6	*3368.0*	2717.8	1319.0	1109.4	1109.4	1008.1	867.0	839.9
67.5°	2121.8	2588.1	*2562.4*	1762.4	809.9	888.4	931.1	785.7	587.5	554.7
70°	1378.9	1976.3	*1940.7*	1016.7	509.1	740.1	732.9	590.3	420.6	397.8
72.5°	593.2	1142.2	*1214.9*	519.0	383.6	596.0	584.6	413.5	280.9	270.9
75°	357.9	574.6	*626.0*	330.8	279.5	449.2	405.0	262.4	191.1	183.9
77.5°	226.7	315.1	*312.3*	248.1	209.6	303.7	272.4	181.1	129.8	124.1
80°	131.2	155.4	*161.1*	155.4	141.2	216.7	174.0	131.2	101.2	94.1
82.5°	84.1	97.0	*98.4*	75.6	78.4	139.7	94.1	77.0	58.5	52.8
85°	37.1	41.4	*39.9*	25.7	25.7	57.0	32.8	31.4	22.8	22.8
87.5°	1.4	2.9	*1.4*	1.4	1.4	5.7	2.9	4.3	4.3	4.3
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: SP1-2407-184-10

Test Date: 10/11/2024

Luminaire Tested: GSS-SB1A-835-U-5WQ

Data in this report applies to families of products including GSS-SB1A-835-U-5WQ

Report Generated By FNC07603 / LDUCLS01DT446
Version: v7.04

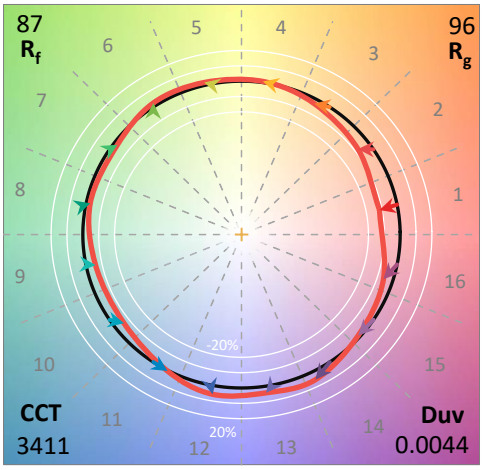
Test Information

Test Method:	LM-79-2019
Report Number:	SP1-2407-184-10
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-835-U-5WQ**
Description:	GALLEON II SITE SLIM 1SQ 350MA 5WQ HIGH DENSITY LIGHTSQUARE WITH 80 CRI 3500K CCT 26 LEDS

Spectral Parameters

CCT (K):	3411
CIE u':	0.2360
CIE v':	0.5189
Duv:	0.0044
CIE x:	0.4154
CIE y:	0.4059
CIE z:	0.1787
Peak Wavelength (nm):	601
Dominant Wavelength (nm):	579
Purity:	46.51914
Rf:	86.6
Rg:	95.9

CRI (Ra):	83.5
R1:	81.1
R2:	88.9
R3:	97.2
R4:	83.8
R5:	81.7
R6:	86.9
R7:	86.1
R8:	62.2
R9:	6.3
R10:	75.4
R11:	84.1
R12:	69.7
R13:	82.8
R14:	98.5
R15:	72.6



Test Conditions

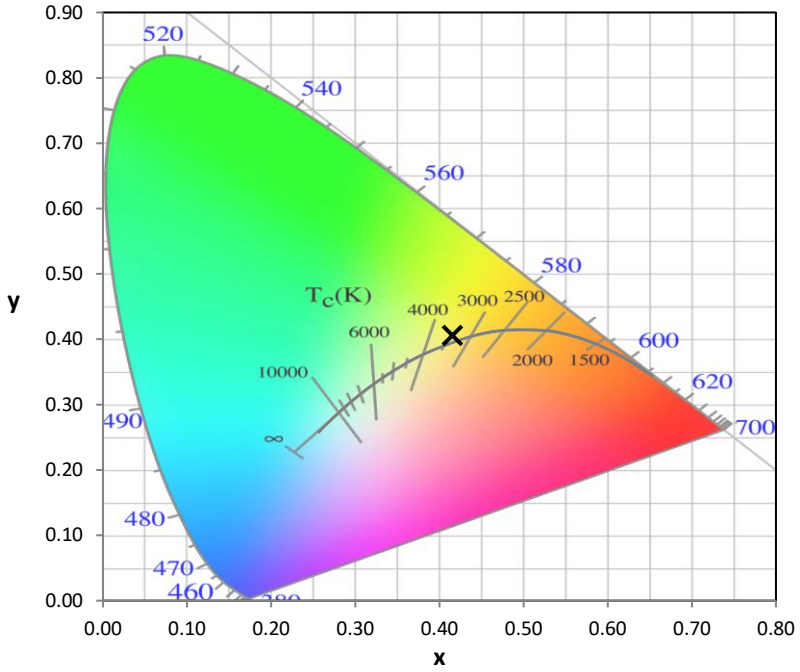
Stabilization Time:	35M
Operation Time:	1H 35M
Sphere Temperature (°C):	25.2

REPORT NUMBER: SP1-2407-184-10

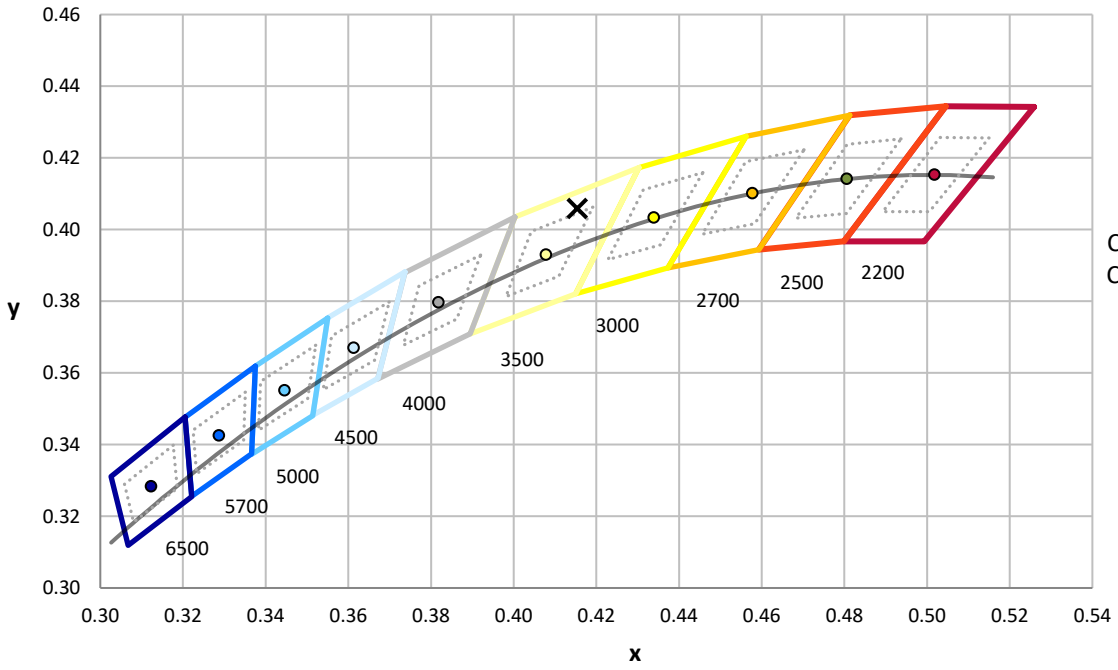
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

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CIE 1931 Chromaticity Diagram



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

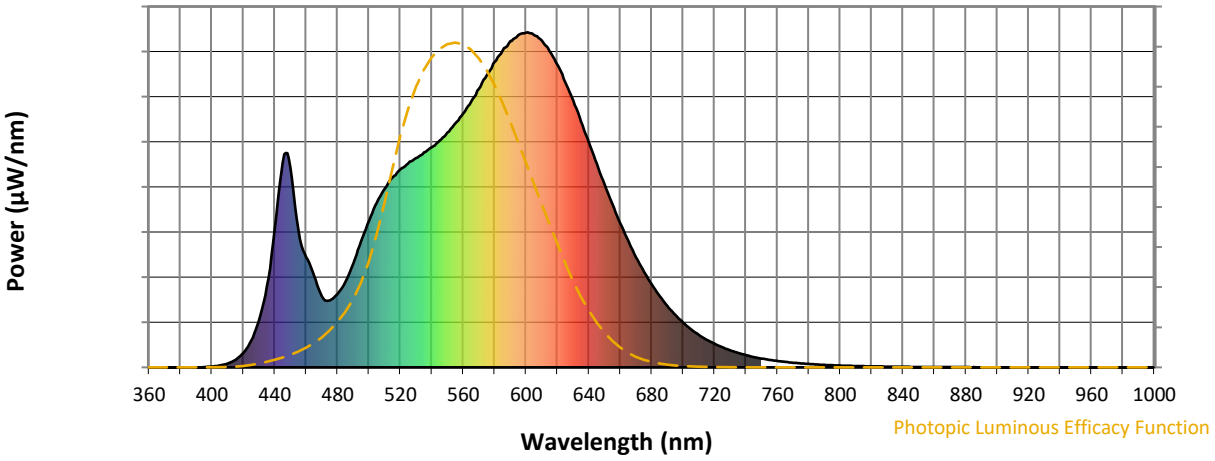


CCT = 3411K
CIE x = 0.4154
CIE y = 0.4059
Duv = 0.0044

Point lies inside the ANSI 3500K 7-step quadrangle

REPORT NUMBER: SP1-2407-184-10

Photopic Flux vs. Wavelength

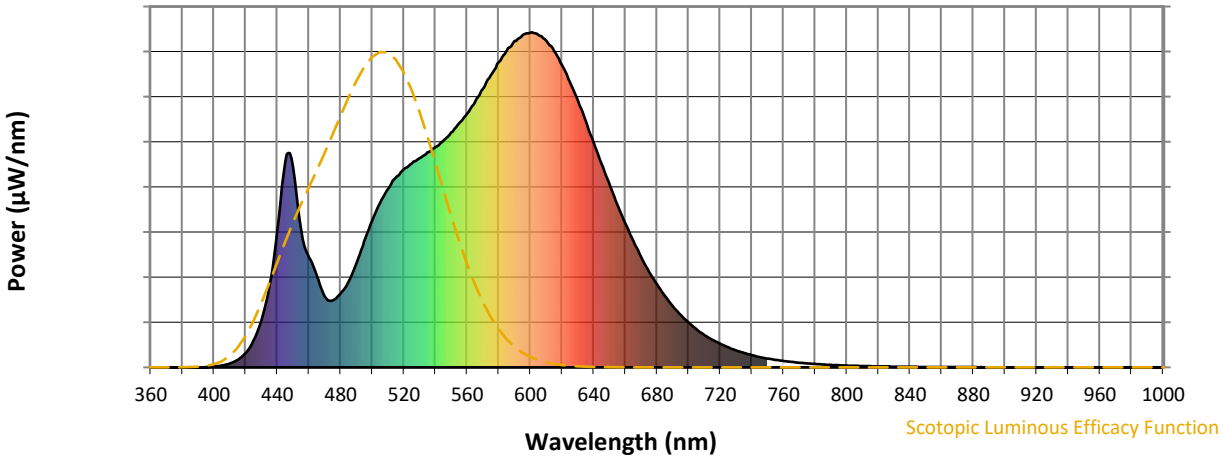


Photopic Lumens: NR

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	311	NR	620	903	NR	750	26	NR	880	1	NR
365	0	NR	495	376	NR	625	851	NR	755	22	NR	885	1	NR
370	0	NR	500	438	NR	630	797	NR	760	19	NR	890	0	NR
375	0	NR	505	491	NR	635	735	NR	765	16	NR	895	0	NR
380	0	NR	510	533	NR	640	672	NR	770	14	NR	900	0	NR
385	0	NR	515	566	NR	645	607	NR	775	12	NR	905	0	NR
390	0	NR	520	592	NR	650	546	NR	780	10	NR	910	0	NR
395	1	NR	525	608	NR	655	487	NR	785	9	NR	915	0	NR
400	3	NR	530	625	NR	660	429	NR	790	7	NR	920	0	NR
405	6	NR	535	642	NR	665	378	NR	795	6	NR	925	0	NR
410	12	NR	540	657	NR	670	329	NR	800	5	NR	930	0	NR
415	22	NR	545	677	NR	675	286	NR	805	5	NR	935	0	NR
420	43	NR	550	701	NR	680	248	NR	810	4	NR	940	0	NR
425	80	NR	555	728	NR	685	213	NR	815	3	NR	945	0	NR
430	140	NR	560	757	NR	690	184	NR	820	3	NR	950	0	NR
435	243	NR	565	793	NR	695	156	NR	825	3	NR	955	0	NR
440	412	NR	570	831	NR	700	134	NR	830	2	NR	960	0	NR
445	610	NR	575	872	NR	705	114	NR	835	2	NR	965	0	NR
450	597	NR	580	911	NR	710	97	NR	840	2	NR	970	0	NR
455	412	NR	585	944	NR	715	83	NR	845	1	NR	975	0	NR
460	330	NR	590	974	NR	720	70	NR	850	1	NR	980	0	NR
465	274	NR	595	992	NR	725	60	NR	855	1	NR	985	0	NR
470	211	NR	600	999	NR	730	51	NR	860	1	NR	990	0	NR
475	200	NR	605	992	NR	735	43	NR	865	1	NR	995	0	NR
480	220	NR	610	975	NR	740	36	NR	870	1	NR	1000	0	NR
485	255	NR	615	944	NR	745	31	NR	875	1	NR			

REPORT NUMBER: SP1-2407-184-10

Scotopic Flux vs. Wavelength

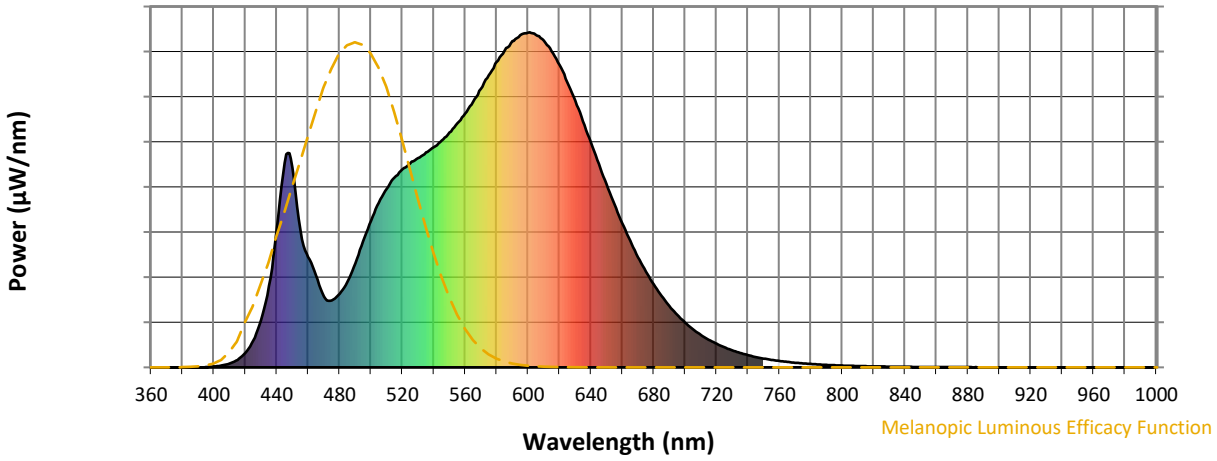


Scotopic Lumens: NR **S/P: 1.48**

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	311	NR	620	903	NR	750	26	NR	880	1	NR
365	0	NR	495	376	NR	625	851	NR	755	22	NR	885	1	NR
370	0	NR	500	438	NR	630	797	NR	760	19	NR	890	0	NR
375	0	NR	505	491	NR	635	735	NR	765	16	NR	895	0	NR
380	0	NR	510	533	NR	640	672	NR	770	14	NR	900	0	NR
385	0	NR	515	566	NR	645	607	NR	775	12	NR	905	0	NR
390	0	NR	520	592	NR	650	546	NR	780	10	NR	910	0	NR
395	1	NR	525	608	NR	655	487	NR	785	9	NR	915	0	NR
400	3	NR	530	625	NR	660	429	NR	790	7	NR	920	0	NR
405	6	NR	535	642	NR	665	378	NR	795	6	NR	925	0	NR
410	12	NR	540	657	NR	670	329	NR	800	5	NR	930	0	NR
415	22	NR	545	677	NR	675	286	NR	805	5	NR	935	0	NR
420	43	NR	550	701	NR	680	248	NR	810	4	NR	940	0	NR
425	80	NR	555	728	NR	685	213	NR	815	3	NR	945	0	NR
430	140	NR	560	757	NR	690	184	NR	820	3	NR	950	0	NR
435	243	NR	565	793	NR	695	156	NR	825	3	NR	955	0	NR
440	412	NR	570	831	NR	700	134	NR	830	2	NR	960	0	NR
445	610	NR	575	872	NR	705	114	NR	835	2	NR	965	0	NR
450	597	NR	580	911	NR	710	97	NR	840	2	NR	970	0	NR
455	412	NR	585	944	NR	715	83	NR	845	1	NR	975	0	NR
460	330	NR	590	974	NR	720	70	NR	850	1	NR	980	0	NR
465	274	NR	595	992	NR	725	60	NR	855	1	NR	985	0	NR
470	211	NR	600	999	NR	730	51	NR	860	1	NR	990	0	NR
475	200	NR	605	992	NR	735	43	NR	865	1	NR	995	0	NR
480	220	NR	610	975	NR	740	36	NR	870	1	NR	1000	0	NR
485	255	NR	615	944	NR	745	31	NR	875	1	NR			

REPORT NUMBER: SP1-2407-184-10

Melanopic Flux vs. Wavelength



Melanopic Lumens: NR **M/P: 2.88**

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	311	NR	620	903	NR	750	26	NR	880	1	NR
365	0	NR	495	376	NR	625	851	NR	755	22	NR	885	1	NR
370	0	NR	500	438	NR	630	797	NR	760	19	NR	890	0	NR
375	0	NR	505	491	NR	635	735	NR	765	16	NR	895	0	NR
380	0	NR	510	533	NR	640	672	NR	770	14	NR	900	0	NR
385	0	NR	515	566	NR	645	607	NR	775	12	NR	905	0	NR
390	0	NR	520	592	NR	650	546	NR	780	10	NR	910	0	NR
395	1	NR	525	608	NR	655	487	NR	785	9	NR	915	0	NR
400	3	NR	530	625	NR	660	429	NR	790	7	NR	920	0	NR
405	6	NR	535	642	NR	665	378	NR	795	6	NR	925	0	NR
410	12	NR	540	657	NR	670	329	NR	800	5	NR	930	0	NR
415	22	NR	545	677	NR	675	286	NR	805	5	NR	935	0	NR
420	43	NR	550	701	NR	680	248	NR	810	4	NR	940	0	NR
425	80	NR	555	728	NR	685	213	NR	815	3	NR	945	0	NR
430	140	NR	560	757	NR	690	184	NR	820	3	NR	950	0	NR
435	243	NR	565	793	NR	695	156	NR	825	3	NR	955	0	NR
440	412	NR	570	831	NR	700	134	NR	830	2	NR	960	0	NR
445	610	NR	575	872	NR	705	114	NR	835	2	NR	965	0	NR
450	597	NR	580	911	NR	710	97	NR	840	2	NR	970	0	NR
455	412	NR	585	944	NR	715	83	NR	845	1	NR	975	0	NR
460	330	NR	590	974	NR	720	70	NR	850	1	NR	980	0	NR
465	274	NR	595	992	NR	725	60	NR	855	1	NR	985	0	NR
470	211	NR	600	999	NR	730	51	NR	860	1	NR	990	0	NR
475	200	NR	605	992	NR	735	43	NR	865	1	NR	995	0	NR
480	220	NR	610	975	NR	740	36	NR	870	1	NR	1000	0	NR
485	255	NR	615	944	NR	745	31	NR	875	1	NR			

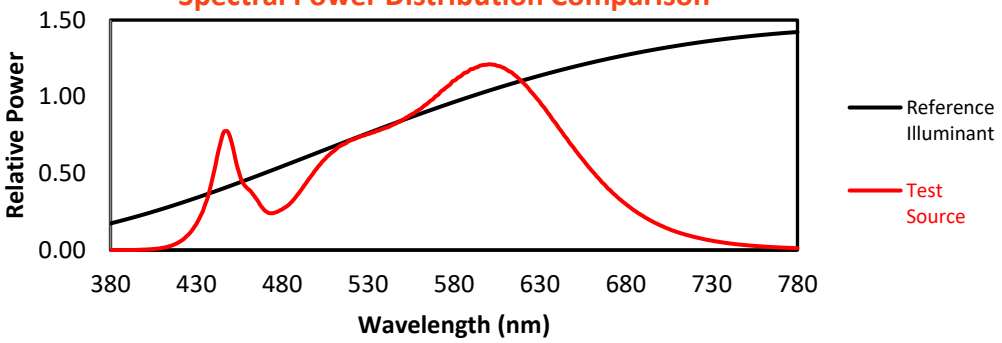
REPORT NUMBER: SP1-2407-184-10

TM-30-18

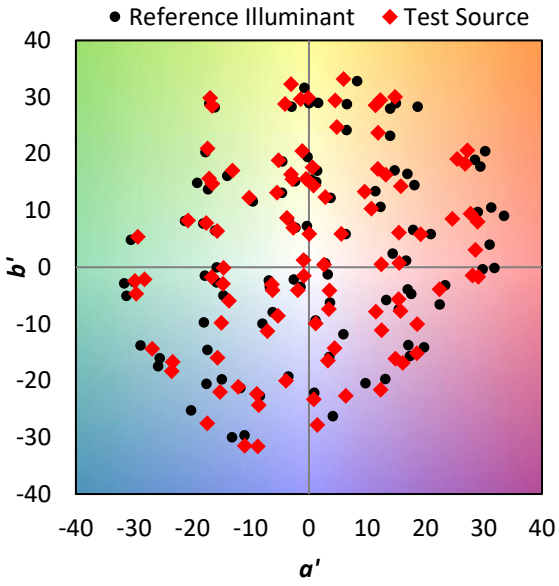
Summary

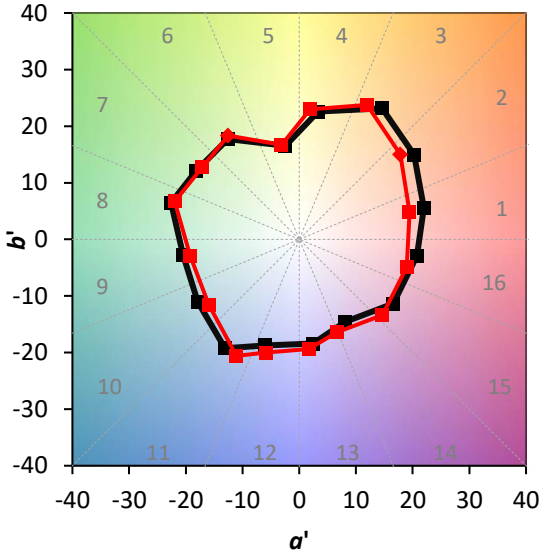
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R_g = 95.9
CIE R_a = 83.5
R_9 = 6.3

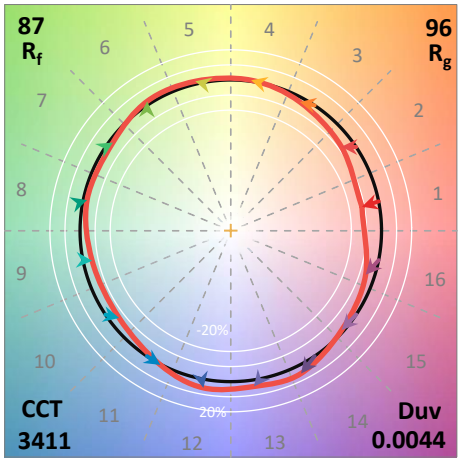
Spectral Power Distribution Comparison

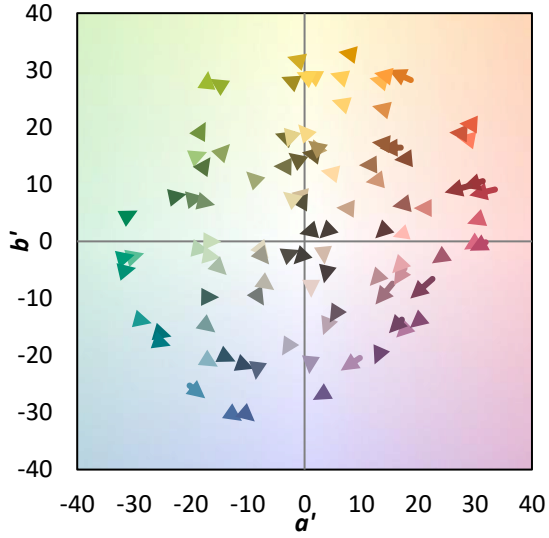


Color Vector Graphics







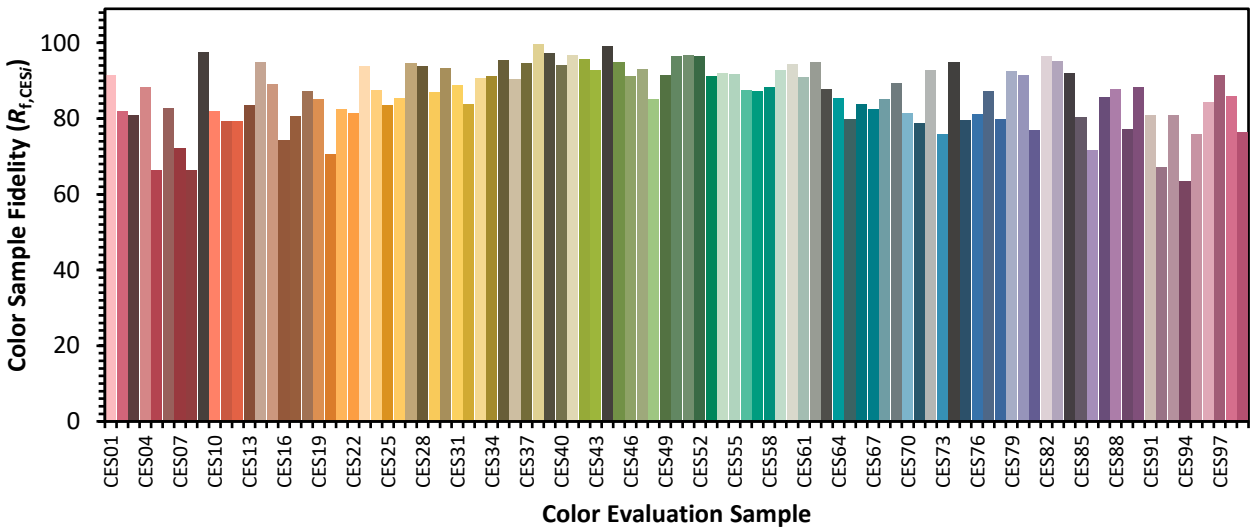


REPORT NUMBER: SP1-2407-184-10

TM-30-18

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

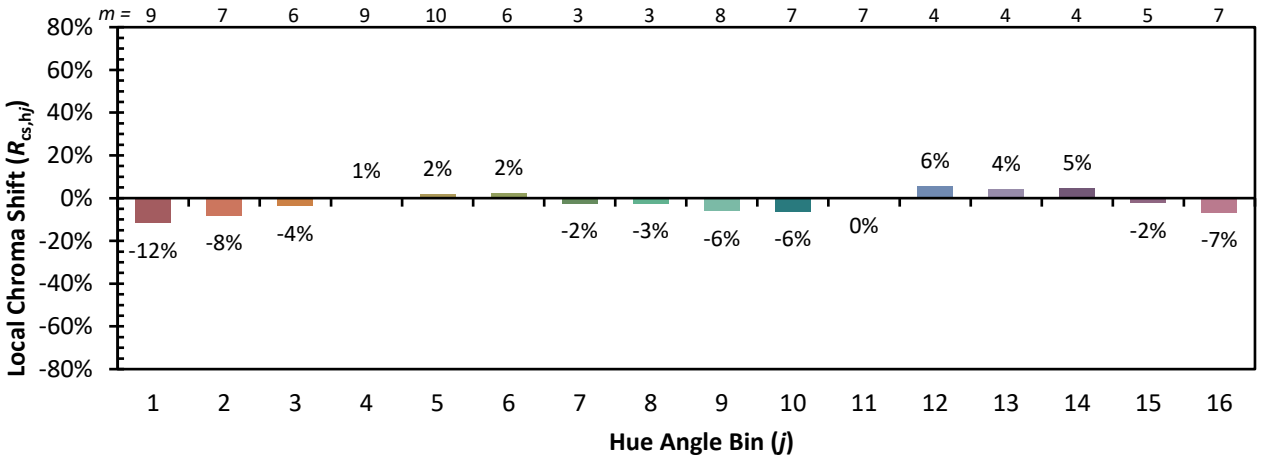
CES01 = 86	CES26 = 85	CES51 = 97	CES76 = 81
CES02 = 62	CES27 = 95	CES52 = 96	CES77 = 87
CES03 = 31	CES28 = 94	CES53 = 91	CES78 = 80
CES04 = 70	CES29 = 87	CES54 = 92	CES79 = 93
CES05 = 49	CES30 = 93	CES55 = 92	CES80 = 91
CES06 = 51	CES31 = 89	CES56 = 88	CES81 = 77
CES07 = 41	CES32 = 84	CES57 = 87	CES82 = 96
CES08 = 40	CES33 = 91	CES58 = 88	CES83 = 95
CES09 = 29	CES34 = 91	CES59 = 93	CES84 = 92
CES10 = 75	CES35 = 95	CES60 = 94	CES85 = 80
CES11 = 58	CES36 = 90	CES61 = 91	CES86 = 72
CES12 = 64	CES37 = 95	CES62 = 95	CES87 = 86
CES13 = 43	CES38 = 100	CES63 = 88	CES88 = 88
CES14 = 74	CES39 = 97	CES64 = 85	CES89 = 77
CES15 = 71	CES40 = 94	CES65 = 80	CES90 = 88
CES16 = 47	CES41 = 97	CES66 = 84	CES91 = 81
CES17 = 49	CES42 = 96	CES67 = 82	CES92 = 67
CES18 = 56	CES43 = 93	CES68 = 85	CES93 = 81
CES19 = 72	CES44 = 99	CES69 = 89	CES94 = 63
CES20 = 66	CES45 = 95	CES70 = 81	CES95 = 76
CES21 = 86	CES46 = 91	CES71 = 79	CES96 = 84
CES22 = 78	CES47 = 93	CES72 = 93	CES97 = 92
CES23 = 91	CES48 = 85	CES73 = 76	CES98 = 86
CES24 = 90	CES49 = 92	CES74 = 95	CES99 = 77
CES25 = 72	CES50 = 96	CES75 = 80	

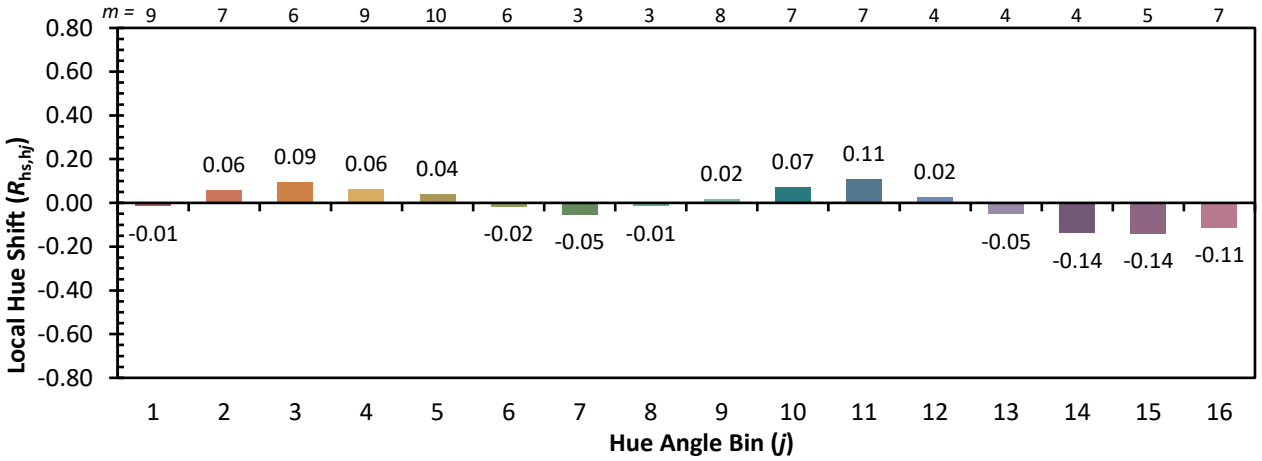


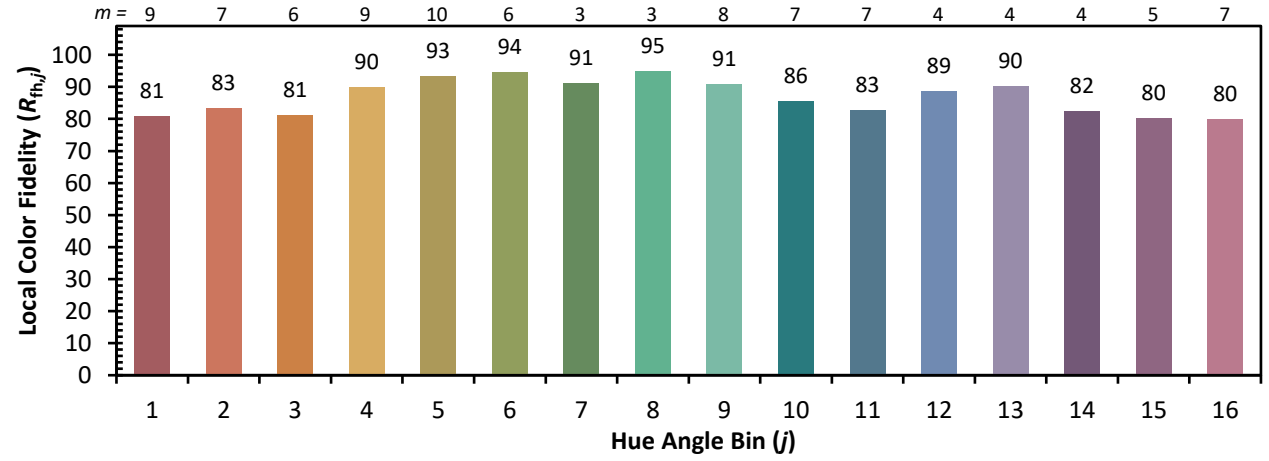
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Color Rendition by Hue-Angle Bin



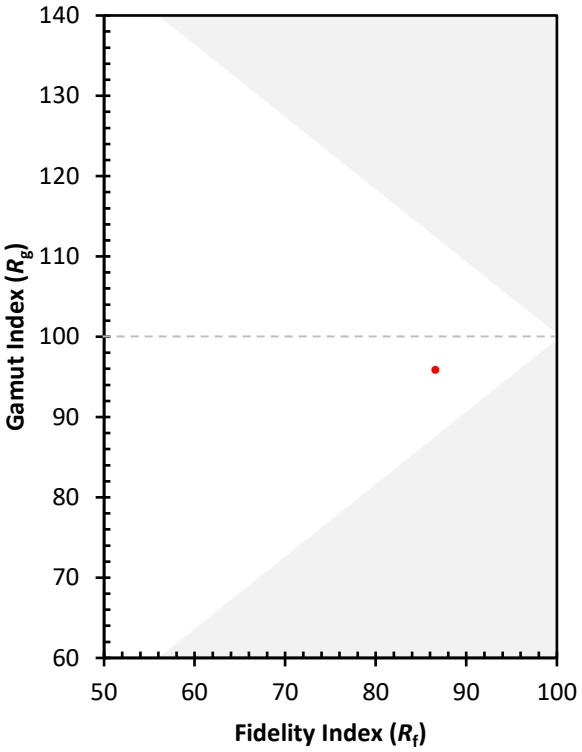


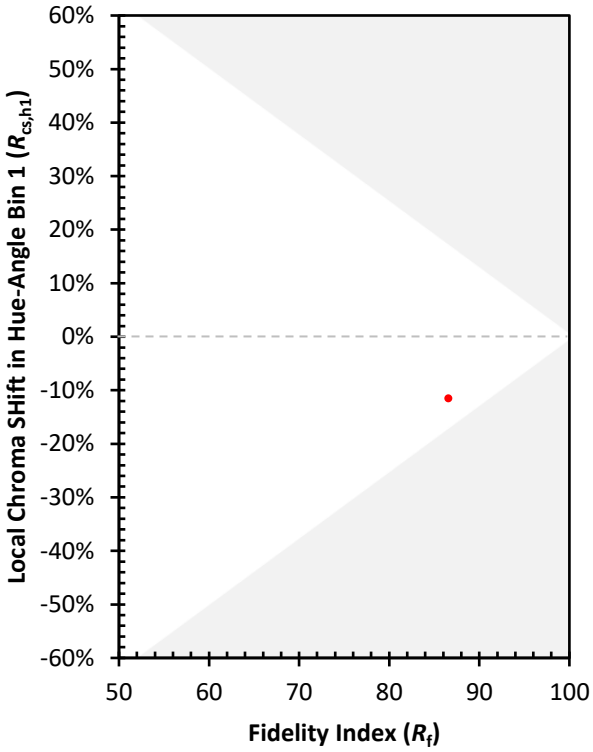


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Measure Comparisons





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