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: P1501542

Luminaire Tested: GSS-SB1B-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:	P1501542
Test Lab:	INNOVATION CENTER(G1)
Issue Date:	7/20/2026
Manufacturer:	COOPER LIGHTING SOLUTIONS
Product Line:	McGRAW-EDISON
Catalog Number:	GSS-SB1B-835-U-T2LG
Description:	GALLEON II SLIM SITE HIGH DENSITY LED ARRAYS 1SQUARE 40W 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:	4744.4 lumens
Efficiency:	N/A
Efficacy:	118.6 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

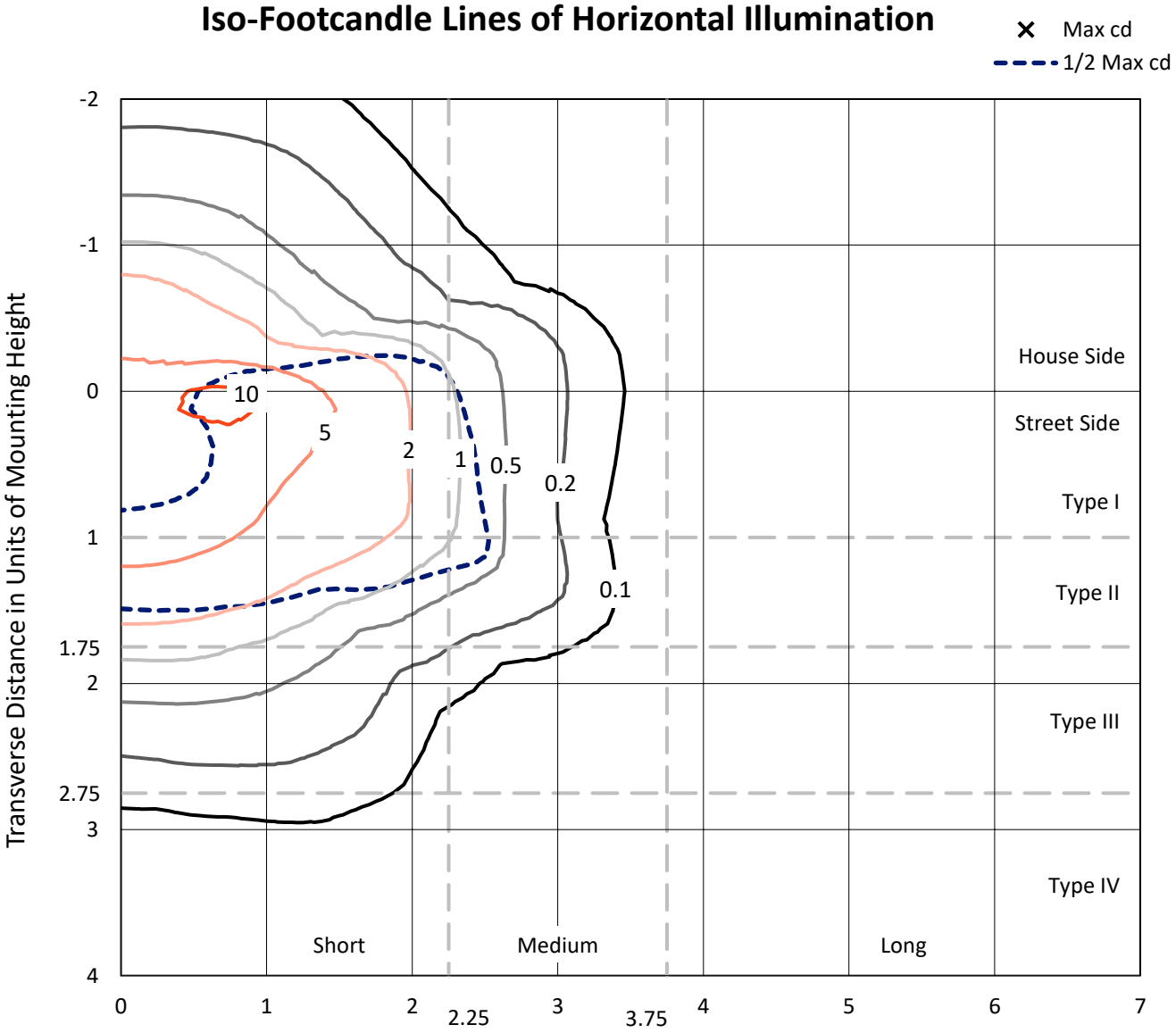
Input Watts (W):	40
Input Voltage (V):	120
Input Current (Ain):	NR
Voltage Rise (V):	NR
Power Factor:	0.98
Total Harmonic Distortion (THDi):	5.3%
Frequency (hertz):	60
Stabilization Time:	NR
Operation Time:	NR
Ambient Temperature (°C):	NR
Test Distance:	28.75 FT

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Iso-Footcandle Lines of Horizontal Illumination



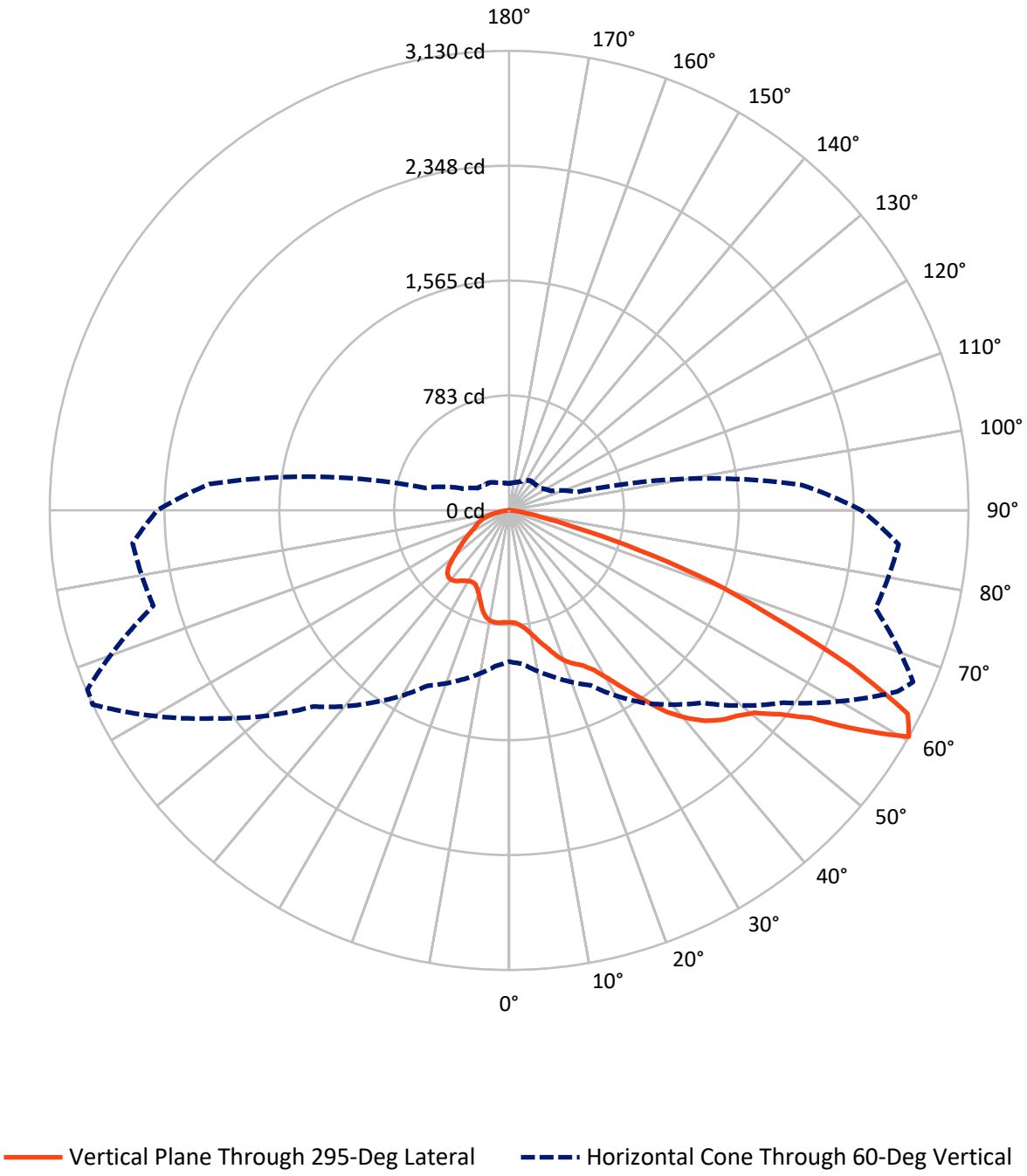
Based on 10 foot mounting height. Maximum calculated value = 11.5 fc
Type II - Short - N/A

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Luminous Intensity Polar Plot



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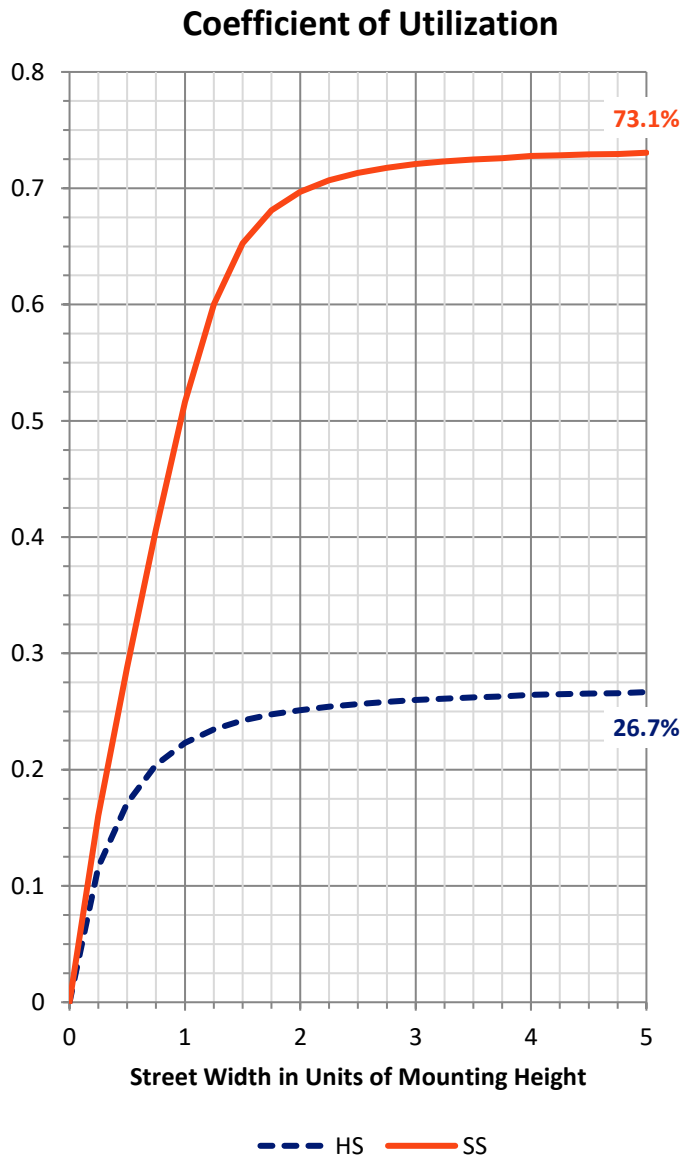
REPORT NUMBER: P1501542
CATALOG NUMBER: GSS-SB1B-835-U-T2LG

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1275.8	0.0	1275.8
	% Fixture	26.9	0.0	26.9
Street Side	Lumens	3468.6	0.0	3468.6
	% Fixture	73.1	0.0	73.1
Total	Lumens	4744.4	0.0	4744.4
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	71.8	1.5
10°-20°	206.3	4.3
20°-30°	390.8	8.2
30°-40°	689.0	14.5
40°-50°	1018.9	21.5
50°-60°	1196.5	25.2
60°-70°	866.9	18.3
70°-80°	267.4	5.6
80°-90°	36.8	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°	4744.4	100.0
0°-180°	4744.4	100.0



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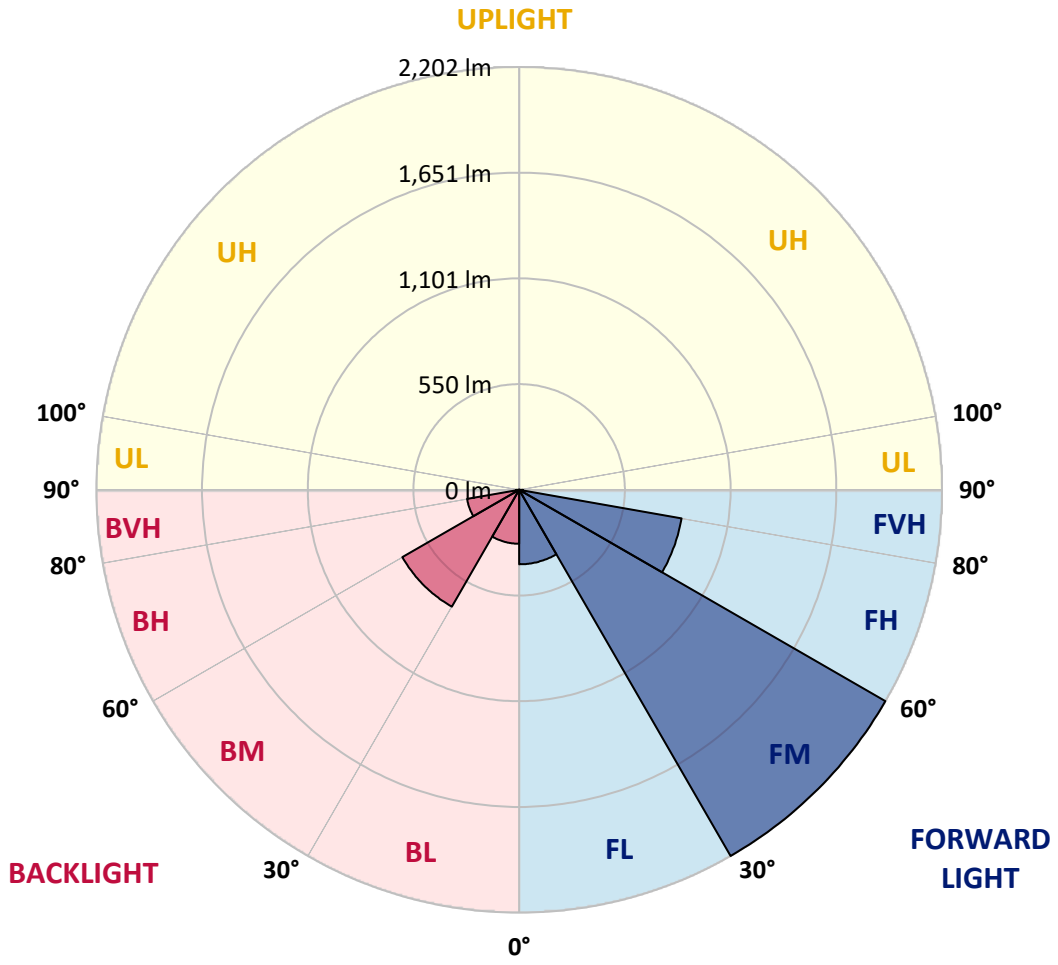
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	387.9	8.2			
FM	(30°-60°)	2201.9	46.4			
FH	(60°-80°)	858.9	18.1			G1/1800
FVH	(80°-90°)	19.9	0.4			G1/100
BL	(0°-30°)	281.0	5.9	B1/500		
BM	(30°-60°)	702.5	14.8	B1/1000		
BH	(60°-80°)	275.4	5.8	B1/500		G1/500
BVH	(80°-90°)	16.9	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°	763.4	763.4	763.4	763.4	763.4	763.4	763.4	763.4	763.4	763.4	763.4
2.5°	778.5	780.7	777.4	779.6	779.6	776.3	775.3	770.9	773.1	772.0	770.9
5°	796.9	798.0	795.8	799.0	799.0	800.1	799.0	793.6	793.6	793.6	791.5
7.5°	791.5	791.5	792.6	803.4	814.2	828.2	828.2	826.1	828.2	827.2	817.4
10°	746.1	750.4	760.1	787.1	813.1	843.4	863.9	870.4	870.4	871.5	855.3
12.5°	665.0	668.2	690.9	732.0	786.1	841.2	890.9	923.4	926.6	932.0	910.4
15°	592.5	594.7	610.9	653.1	714.7	812.0	906.1	973.1	983.9	1006.6	974.2
17.5°	599.0	597.9	602.3	618.5	662.8	764.4	902.8	1031.5	1051.0	1091.0	1062.9
20°	637.9	637.9	641.2	644.4	660.6	729.8	879.1	1079.1	1116.9	1194.8	1162.3
22.5°	699.6	699.6	698.5	703.9	703.9	745.0	880.1	1114.8	1171.0	1310.5	1279.1
25°	785.0	780.7	780.7	782.8	773.1	802.3	907.2	1151.5	1225.0	1447.8	1420.8
27.5°	881.2	884.5	882.3	874.7	861.8	884.5	972.0	1208.8	1285.6	1592.7	1581.9
30°	986.1	987.2	989.3	985.0	974.2	990.4	1073.7	1295.3	1365.6	1744.0	1767.8
32.5°	1088.8	1103.9	1098.5	1087.7	1092.1	1121.2	1199.1	1412.1	1484.5	1884.6	1968.9
35°	1219.6	1225.0	1246.7	1206.7	1207.7	1257.5	1359.1	1565.6	1635.9	2030.6	2170.1
37.5°	1409.9	1419.7	1409.9	1347.2	1337.5	1406.7	1514.8	1717.0	1767.8	2140.9	2357.1
40°	1597.0	1608.9	1625.1	1551.6	1490.0	1547.3	1661.9	1832.7	1885.7	2201.4	2481.5
42.5°	1751.6	1771.1	1753.8	1732.2	1675.9	1686.7	1764.6	1922.5	1975.4	2278.2	2606.9
45°	1882.4	1885.7	1893.3	1878.1	1850.0	1840.3	1852.2	2001.4	2059.8	2312.8	2668.5
47.5°	1936.5	1950.6	1957.1	1983.0	2012.2	1992.7	1926.8	2038.1	2091.1	2310.6	2688.0
50°	1907.3	1921.4	1956.0	2017.6	2087.9	2122.5	2014.4	2089.0	2148.4	2349.5	2728.0
52.5°	1830.5	1845.7	1901.9	1972.2	2090.0	2169.0	2137.6	2194.9	2252.2	2418.7	2795.0
55°	1644.6	1667.3	1746.2	1863.0	2025.2	2144.1	2267.4	2350.6	2413.3	2502.0	2864.2
57.5°	1374.3	1398.0	1486.7	1661.9	1905.2	2041.4	2305.2	2642.6	2670.7	2601.5	2870.7
60°	*1029.3*	*1048.8*	*1174.2*	*1314.8*	*1600.2*	*1853.3*	*2283.6*	*2919.4*	*2990.7*	*2584.2*	*2664.2*
62.5°	815.3	839.0	950.4	1015.3	1219.6	1531.0	2207.9	2996.1	3057.8	2441.4	2376.6
65°	636.9	653.1	756.9	849.9	899.6	1045.6	1892.2	2620.9	2676.1	2209.0	1961.4
67.5°	420.6	445.5	568.7	696.3	722.3	665.0	1301.8	2016.5	2042.5	1755.9	1474.8
70°	301.7	313.6	405.5	541.7	580.6	445.5	709.3	1526.7	1534.3	1178.6	993.7
72.5°	205.4	207.6	275.7	415.2	462.8	323.3	390.3	1005.6	979.6	581.7	568.7
75°	139.5	141.6	176.2	276.8	327.6	224.9	254.1	548.2	526.6	321.1	344.9
77.5°	94.1	96.2	121.1	186.0	218.4	155.7	186.0	289.8	284.4	213.0	184.9
80°	71.4	74.6	89.7	118.9	152.5	90.8	106.0	137.3	139.5	113.5	94.1
82.5°	40.0	44.3	54.1	60.5	98.4	50.8	50.8	82.2	78.9	70.3	50.8
85°	17.3	18.4	21.6	22.7	40.0	21.6	18.4	35.7	36.8	34.6	16.2
87.5°	3.2	3.2	3.2	3.2	3.2	3.2	3.2	4.3	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	0.0

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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	763.4	763.4	763.4	763.4	763.4	763.4	763.4	763.4	763.4	763.4	763.4
2.5°	765.5	772.0	765.5	762.3	762.3	756.9	754.7	754.7	747.1	750.4	748.2
5°	782.8	785.0	777.4	767.7	754.7	743.9	728.8	709.3	697.4	696.3	697.4
7.5°	809.9	810.9	790.4	768.8	736.3	697.4	650.9	613.1	579.5	574.1	580.6
10°	847.7	845.5	815.3	764.4	696.3	614.1	542.8	508.2	488.7	487.6	486.6
12.5°	898.5	884.5	838.0	746.1	627.1	532.0	495.2	493.0	498.5	502.8	503.9
15°	956.9	938.5	856.3	710.4	556.8	501.7	503.9	522.2	528.7	533.1	533.1
17.5°	1029.3	1005.6	876.9	659.6	521.2	508.2	523.3	540.6	551.4	555.8	554.7
20°	1125.6	1075.8	893.1	610.9	511.4	519.0	532.0	549.3	560.1	565.5	565.5
22.5°	1221.8	1160.2	896.4	577.4	511.4	520.1	532.0	549.3	561.2	566.6	565.5
25°	1352.6	1268.3	897.4	553.6	512.5	514.7	525.5	540.6	557.9	563.3	565.5
27.5°	1492.1	1387.2	902.8	548.2	508.2	507.1	514.7	528.7	546.0	560.1	561.2
30°	1665.1	1521.3	905.0	553.6	509.3	495.2	500.6	514.7	533.1	547.1	551.4
32.5°	1834.9	1645.7	900.7	565.5	511.4	487.6	488.7	497.4	516.8	526.6	534.1
35°	2014.4	1777.6	893.1	581.7	512.5	484.4	474.7	479.0	492.0	493.0	496.3
37.5°	2154.9	1876.0	870.4	603.3	514.7	472.5	453.0	449.8	444.4	433.6	435.7
40°	2270.6	1941.9	832.6	614.1	509.3	458.4	426.0	410.9	390.3	374.1	377.4
42.5°	2353.9	1986.2	787.1	616.3	500.6	434.7	394.7	368.7	346.0	328.7	329.8
45°	2390.6	1981.9	738.5	600.1	480.1	405.5	365.5	340.6	315.7	297.3	295.2
47.5°	2391.7	1939.8	671.5	561.2	445.5	371.9	338.4	311.4	290.9	277.9	276.8
50°	2400.4	1916.0	608.7	504.9	400.1	336.3	314.6	287.6	275.7	257.3	251.9
52.5°	2454.4	1954.9	565.5	443.3	357.9	310.3	294.1	270.3	250.8	239.0	237.9
55°	2542.0	2021.9	541.7	396.8	317.9	285.4	274.6	254.1	236.8	224.9	221.7
57.5°	2552.8	2056.5	513.6	353.6	285.4	266.0	261.7	239.0	214.1	205.4	202.2
60°	*2401.4*	*1998.1*	*479.0*	*313.6*	*261.7*	*250.8*	*248.7*	*218.4*	*197.9*	*187.1*	*182.7*
62.5°	2194.9	1852.2	426.0	276.8	243.3	235.7	227.1	203.3	177.3	165.4	162.2
65°	1793.8	1557.0	362.2	251.9	224.9	216.2	214.1	181.6	164.3	157.9	156.8
67.5°	1359.1	1251.0	319.0	233.5	205.4	202.2	194.6	183.8	176.2	168.7	166.5
70°	961.2	902.8	271.4	209.8	186.0	180.6	211.9	200.0	173.0	163.3	162.2
72.5°	582.8	566.6	234.6	188.1	160.0	168.7	195.7	180.6	155.7	143.8	139.5
75°	367.6	336.3	196.8	160.0	127.6	137.3	170.8	161.1	134.1	122.2	118.9
77.5°	200.0	186.0	148.1	130.8	100.6	111.4	149.2	133.0	107.0	116.8	103.8
80°	87.6	97.3	98.4	75.7	67.0	82.2	107.0	103.8	82.2	83.3	69.2
82.5°	42.2	55.1	63.8	51.9	37.8	48.7	71.4	59.5	55.1	51.9	49.7
85°	13.0	20.5	28.1	24.9	17.3	20.5	33.5	32.4	38.9	33.5	31.4
87.5°	4.3	4.3	3.2	3.2	3.2	4.3	5.4	3.2	1.1	1.1	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°	763.4	763.4	763.4	763.4	763.4	763.4	763.4	763.4	763.4	763.4	763.4
2.5°	747.1	748.2	748.2	749.3	749.3	752.5	756.9	761.2	758.0	762.3	763.4
5°	695.2	700.6	705.0	721.2	734.2	745.0	756.9	767.7	770.9	773.1	778.5
7.5°	573.1	588.2	616.3	653.1	694.2	734.2	761.2	789.3	793.6	799.0	806.6
10°	487.6	494.1	513.6	551.4	625.0	703.9	769.8	814.2	832.6	843.4	850.9
12.5°	501.7	497.4	494.1	499.5	547.1	648.7	764.4	849.9	884.5	896.4	906.1
15°	535.2	530.9	519.0	503.9	509.3	590.4	746.1	883.4	938.5	958.0	978.5
17.5°	554.7	550.4	540.6	524.4	510.3	541.7	711.5	913.7	1023.9	1047.7	1076.9
20°	565.5	561.2	551.4	535.2	519.0	523.3	667.1	951.5	1121.2	1159.1	1202.3
22.5°	567.7	562.2	551.4	535.2	525.5	522.2	625.0	974.2	1226.1	1284.5	1334.3
25°	566.6	556.8	542.8	530.9	525.5	524.4	595.8	987.2	1339.7	1432.6	1488.9
27.5°	559.0	547.1	533.1	524.4	522.2	528.7	582.8	1002.3	1472.7	1591.6	1681.3
30°	550.4	533.1	515.8	512.5	517.9	538.5	593.6	1007.7	1612.1	1764.6	1856.5
32.5°	527.6	514.7	497.4	496.3	509.3	546.0	618.5	1000.2	1735.4	1937.6	2053.3
35°	495.2	487.6	477.9	481.2	501.7	552.5	635.8	976.4	1847.8	2098.7	2233.8
37.5°	437.9	443.3	448.7	456.3	482.2	551.4	643.3	938.5	1940.8	2227.4	2400.4
40°	374.1	392.5	409.8	429.3	463.9	542.8	645.5	892.0	1994.9	2324.7	2548.5
42.5°	334.1	351.4	373.0	401.1	439.0	523.3	643.3	840.1	2012.2	2391.7	2642.6
45°	297.3	317.9	344.9	374.1	417.4	495.2	623.9	783.9	2020.8	2423.1	2682.6
47.5°	277.9	289.8	314.6	343.8	389.2	460.6	586.0	742.8	2007.9	2429.6	2731.2
50°	255.2	271.4	287.6	315.7	360.1	417.4	540.6	719.0	2029.5	2493.3	2808.0
52.5°	237.9	246.5	263.8	289.8	322.2	377.4	497.4	699.6	2089.0	2558.2	2888.0
55°	224.9	234.6	245.4	267.1	291.9	337.3	453.0	670.4	2158.2	2627.4	2968.0
57.5°	204.4	210.8	226.0	248.7	264.9	298.4	401.1	635.8	2152.8	2573.4	2829.6
60°	*186.0*	*192.5*	*208.7*	*231.4*	*241.1*	*263.8*	*350.3*	*591.4*	*2049.0*	*2397.1*	*2574.4*
62.5°	165.4	173.0	192.5	208.7	217.3	234.6	297.3	510.3	1832.7	2132.2	2276.0
65°	156.8	161.1	174.1	193.5	192.5	208.7	250.8	401.1	1474.8	1629.4	1760.3
67.5°	166.5	173.0	170.8	176.2	173.0	181.6	224.9	322.2	1159.1	1227.2	1302.9
70°	164.3	179.5	187.1	176.2	151.4	161.1	194.6	257.3	829.3	822.8	819.6
72.5°	143.8	158.9	180.6	191.4	148.1	134.1	168.7	222.7	532.0	529.8	479.0
75°	122.2	133.0	158.9	173.0	127.6	108.1	144.9	189.2	317.9	322.2	287.6
77.5°	112.4	107.0	133.0	152.5	103.8	83.3	116.8	142.7	175.2	177.3	164.3
80°	81.1	77.8	99.5	111.4	78.9	59.5	66.0	88.7	94.1	84.3	87.6
82.5°	51.9	53.0	59.5	71.4	48.7	32.4	45.4	59.5	50.8	41.1	48.7
85°	33.5	37.8	31.4	36.8	15.1	15.1	19.5	25.9	17.3	11.9	13.0
87.5°	0.0	0.0	2.2	4.3	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: P1501542
CATALOG NUMBER: GSS-SB1B-835-U-T2LG

CANDELA DISTRIBUTION (continued):

	285°	293°	295°	305°	315°	325°	335°	345°	355°	360°
0°	763.4	763.4	*763.4*	763.4	763.4	763.4	763.4	763.4	763.4	763.4
2.5°	766.6	765.5	*765.5*	767.7	773.1	775.3	778.5	777.4	780.7	778.5
5°	781.7	782.8	*786.1*	787.1	790.4	794.7	795.8	794.7	796.9	796.9
7.5°	812.0	816.3	*814.2*	819.6	815.3	809.9	801.2	794.7	789.3	791.5
10°	862.8	860.7	*859.6*	849.9	830.4	802.3	779.6	754.7	750.4	746.1
12.5°	919.1	916.9	*916.9*	883.4	828.2	769.8	717.9	679.0	666.0	665.0
15°	998.0	983.9	*971.0*	900.7	790.4	690.9	630.4	600.1	592.5	592.5
17.5°	1096.4	1059.6	*1038.0*	887.7	728.8	639.0	603.3	595.8	593.6	599.0
20°	1218.6	1125.6	*1094.2*	858.5	706.1	645.5	628.2	629.3	630.4	637.9
22.5°	1352.6	1186.1	*1134.2*	858.5	728.8	686.6	677.9	689.8	693.1	699.6
25°	1501.8	1240.2	*1169.9*	903.9	795.8	764.4	753.6	765.5	774.2	785.0
27.5°	1669.4	1296.4	*1231.5*	986.1	882.3	862.8	850.9	856.3	868.2	881.2
30°	1819.7	1390.5	*1325.6*	1111.5	1000.2	976.4	955.8	964.5	977.4	986.1
32.5°	1952.7	1505.1	*1449.9*	1243.4	1135.3	1094.2	1071.5	1069.3	1095.3	1088.8
35°	2074.9	1640.2	*1587.3*	1393.7	1272.6	1221.8	1191.5	1230.5	1213.2	1219.6
37.5°	2171.1	1780.8	*1738.6*	1537.5	1415.3	1346.1	1327.8	1375.3	1402.4	1409.9
40°	2250.1	1903.0	*1858.7*	1680.3	1546.2	1495.4	1524.6	1603.5	1600.2	1597.0
42.5°	2310.6	2007.9	*1959.2*	1788.4	1671.6	1681.3	1704.0	1757.0	1770.0	1751.6
45°	2337.6	2073.8	*2034.9*	1873.8	1814.3	1870.6	1880.3	1903.0	1894.3	1882.4
47.5°	2369.0	2132.2	*2091.1*	1951.6	1968.9	2024.1	2004.6	1986.2	1954.9	1936.5
50°	2422.0	2201.4	*2166.8*	2065.2	2127.9	2109.5	2033.8	1992.7	1928.9	1907.3
52.5°	2522.5	2332.2	*2306.3*	2244.7	2202.5	2096.5	2004.6	1931.1	1859.7	1830.5
55°	2612.3	2509.6	*2494.4*	2412.3	2179.8	2028.4	1905.2	1791.6	1669.4	1644.6
57.5°	2664.2	2803.7	*2821.0*	2483.6	2076.0	1873.8	1692.1	1510.5	1394.8	1374.3
60°	*2509.6*	*3121.5*	*3130.2*	*2469.6*	*1888.9*	*1594.8*	*1318.0*	*1189.4*	*1065.0*	*1029.3*
62.5°	2296.6	3055.6	*3048.0*	2385.2	1504.0	1163.4	1001.2	940.7	844.5	815.3
65°	1974.4	2545.2	*2553.9*	2060.8	1000.2	841.2	841.2	764.4	657.4	636.9
67.5°	1608.9	1962.5	*1943.0*	1336.4	614.1	673.6	706.1	595.8	445.5	420.6
70°	1045.6	1498.6	*1471.6*	770.9	386.0	561.2	555.8	447.6	319.0	301.7
72.5°	449.8	866.1	*921.2*	393.6	290.9	452.0	443.3	313.6	213.0	205.4
75°	271.4	435.7	*474.7*	250.8	211.9	340.6	307.1	198.9	144.9	139.5
77.5°	171.9	239.0	*236.8*	188.1	158.9	230.3	206.5	137.3	98.4	94.1
80°	99.5	117.9	*122.2*	117.9	107.0	164.3	131.9	99.5	76.8	71.4
82.5°	63.8	73.5	*74.6*	57.3	59.5	106.0	71.4	58.4	44.3	40.0
85°	28.1	31.4	*30.3*	19.5	19.5	43.2	24.9	23.8	17.3	17.3
87.5°	1.1	2.2	*1.1*	1.1	1.1	4.3	2.2	3.2	3.2	3.2
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

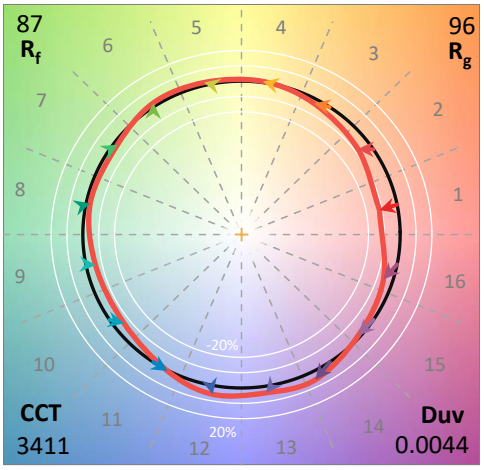
Test Information

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

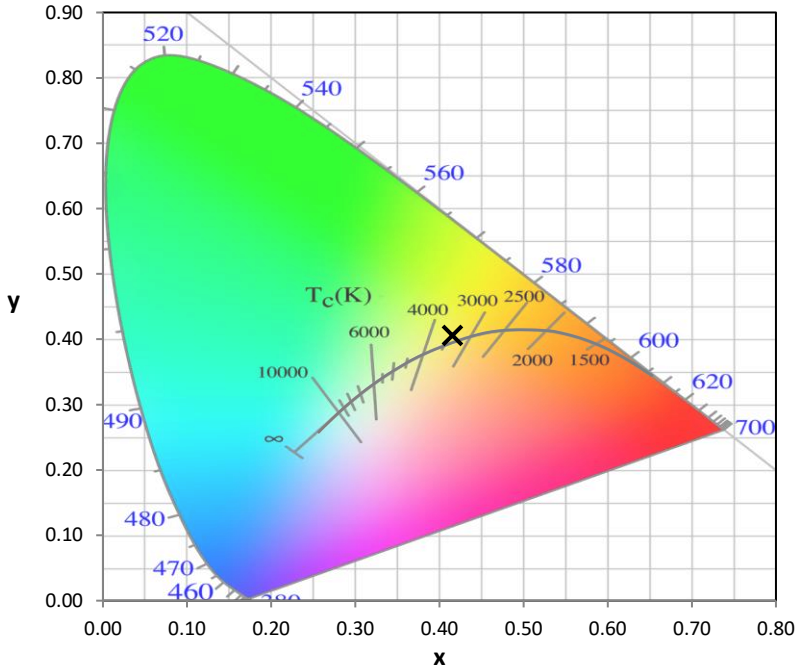
Stabilization Time:	35M
Operation Time:	1H 35M
Sphere Temperature (°C):	25.2

REPORT NUMBER: SP1-2407-184-10

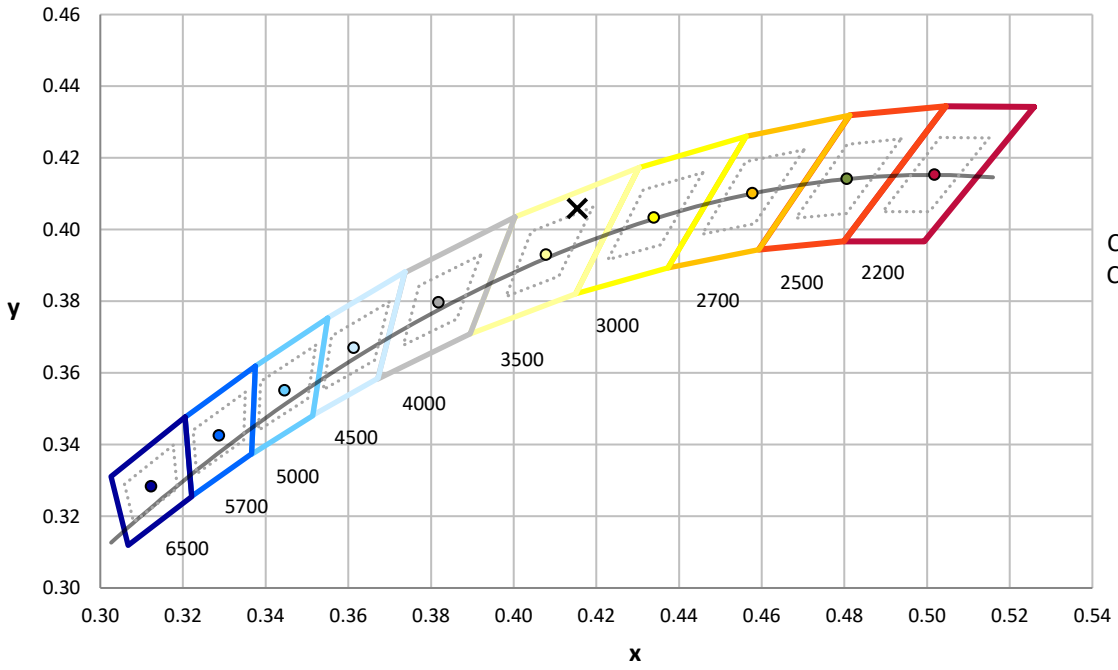
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

REPORT NUMBER: SP1-2407-184-10

CIE 1931 Chromaticity Diagram



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

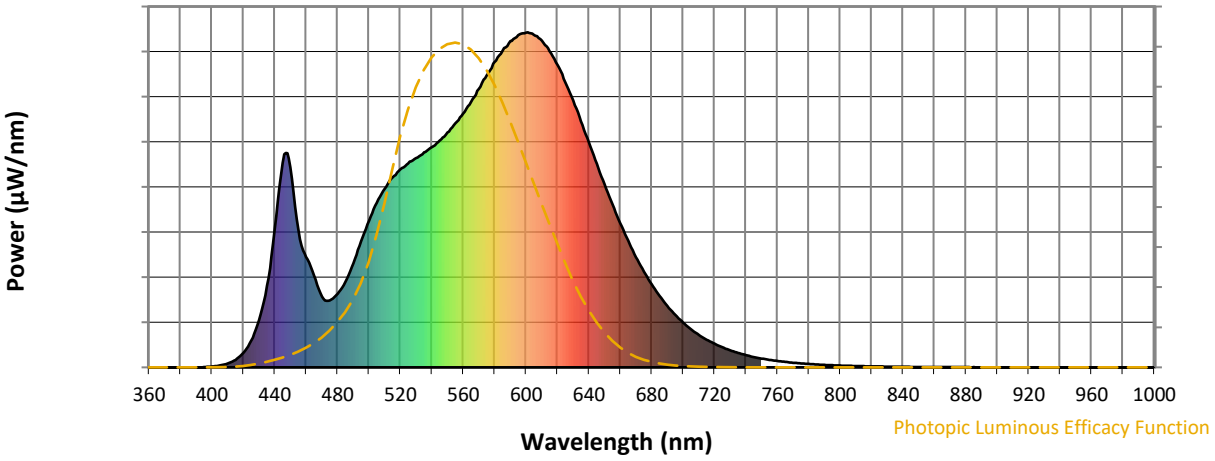


CCT = 3411K
CIE x = 0.4154
CIE y = 0.4059
Duv = 0.0044

Point lies inside the ANSI 3500K 7-step quadrangle

REPORT NUMBER: SP1-2407-184-10

Photopic Flux vs. Wavelength

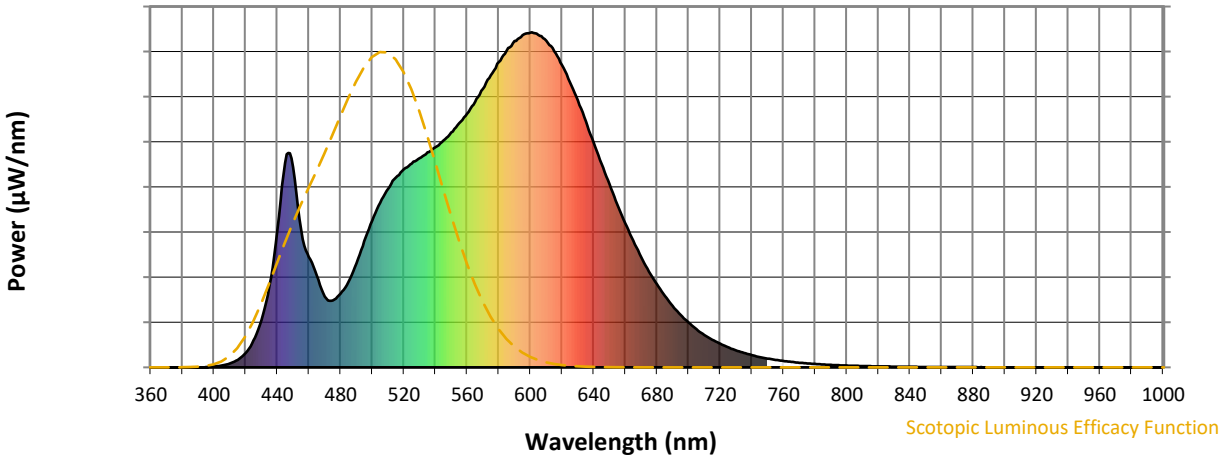


Photopic Lumens: NR

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

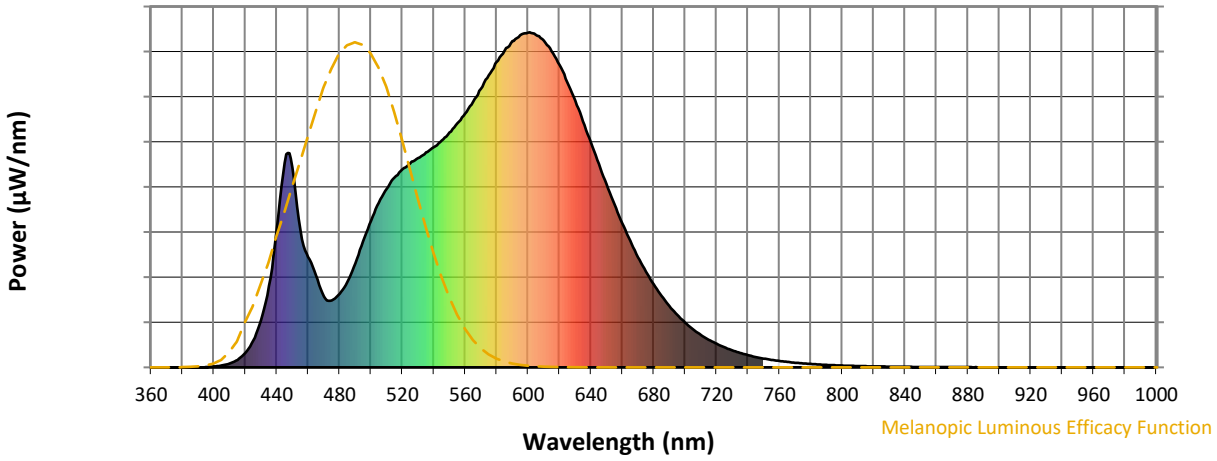


Scotopic Lumens: NR **S/P: 1.48**

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			

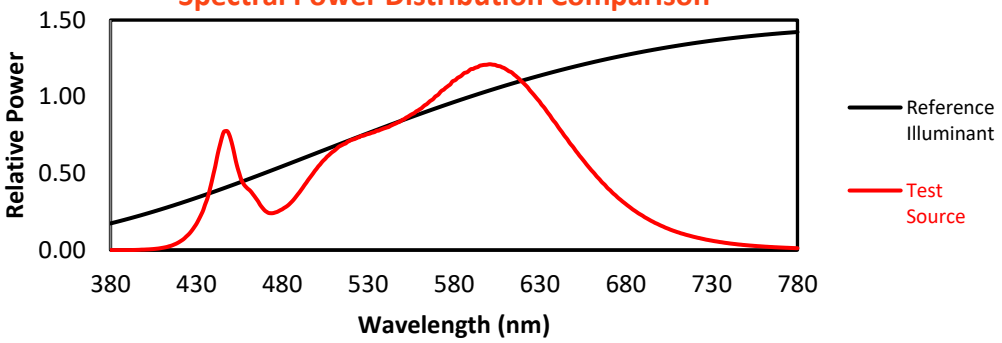
REPORT NUMBER: SP1-2407-184-10

TM-30-18

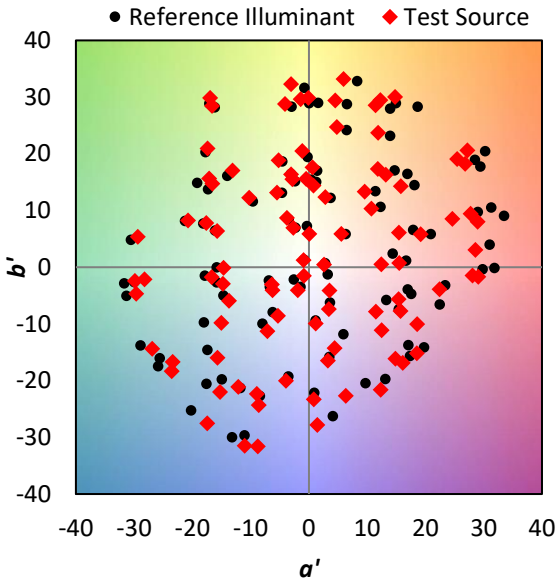
Summary

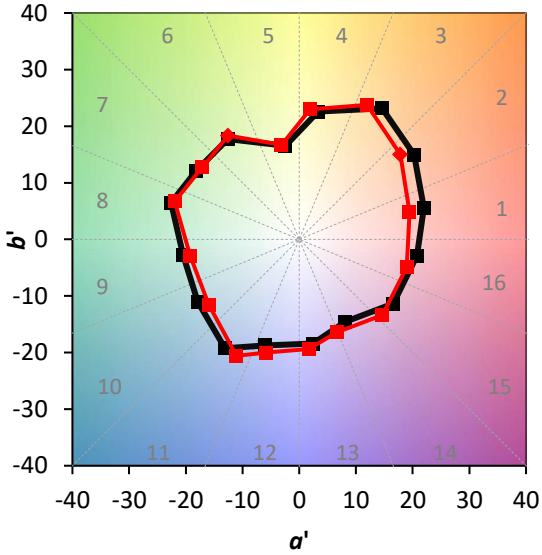
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R_g = 95.9
CIE R_a = 83.5
R_9 = 6.3

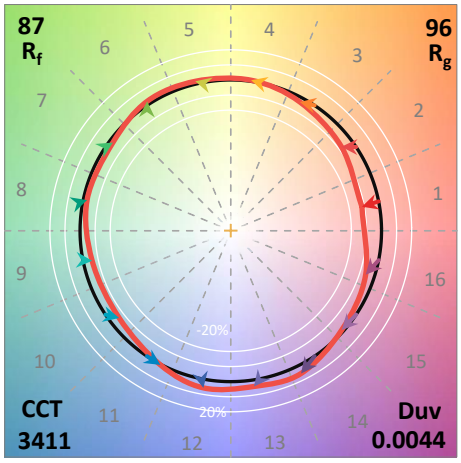
Spectral Power Distribution Comparison

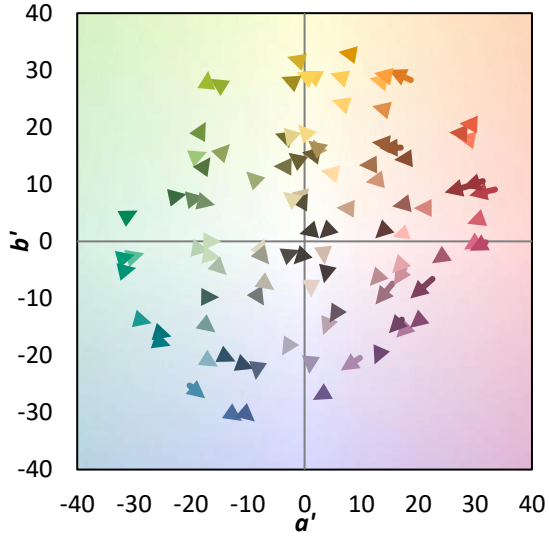


Color Vector Graphics







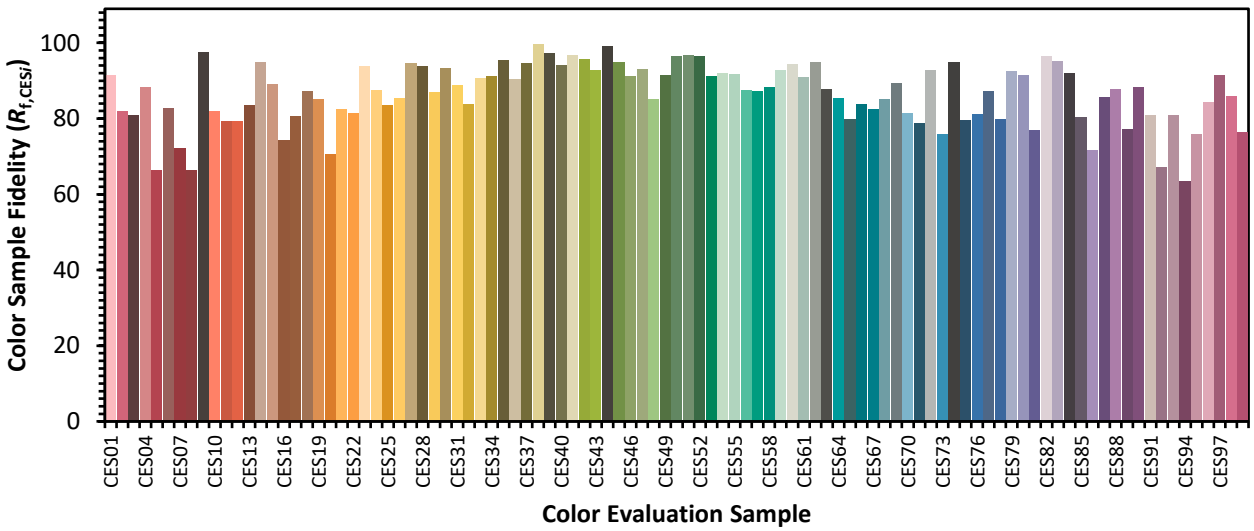


REPORT NUMBER: SP1-2407-184-10

TM-30-18

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

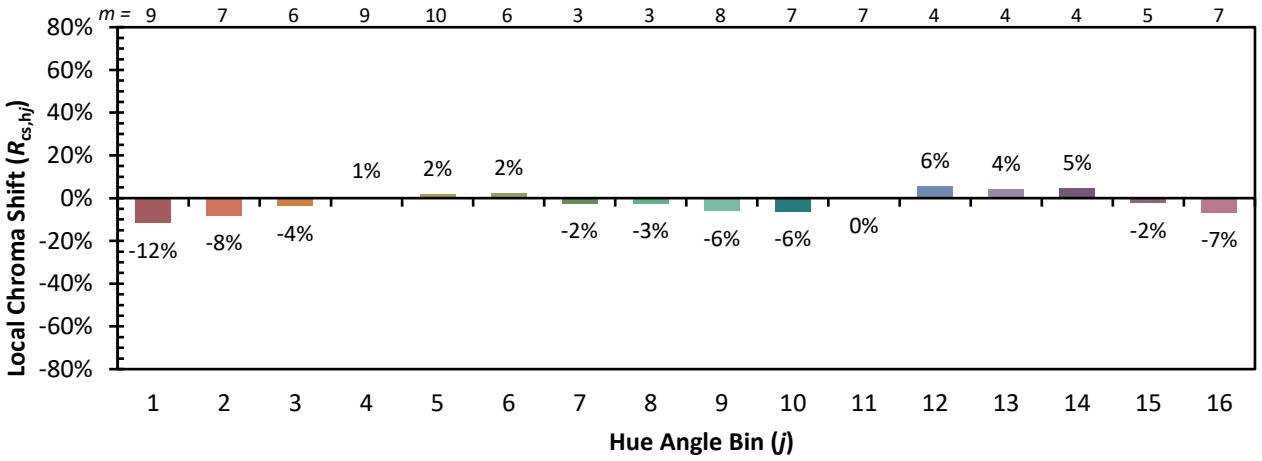
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CES02 = 62	CES27 = 95	CES52 = 96	CES77 = 87
CES03 = 31	CES28 = 94	CES53 = 91	CES78 = 80
CES04 = 70	CES29 = 87	CES54 = 92	CES79 = 93
CES05 = 49	CES30 = 93	CES55 = 92	CES80 = 91
CES06 = 51	CES31 = 89	CES56 = 88	CES81 = 77
CES07 = 41	CES32 = 84	CES57 = 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
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CES24 = 90	CES49 = 92	CES74 = 95	CES99 = 77
CES25 = 72	CES50 = 96	CES75 = 80	

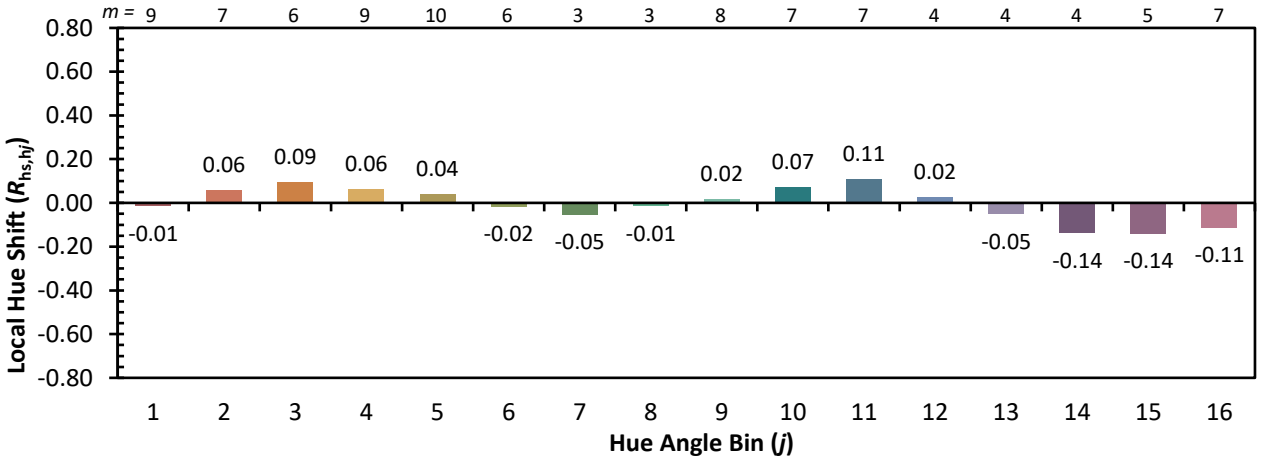


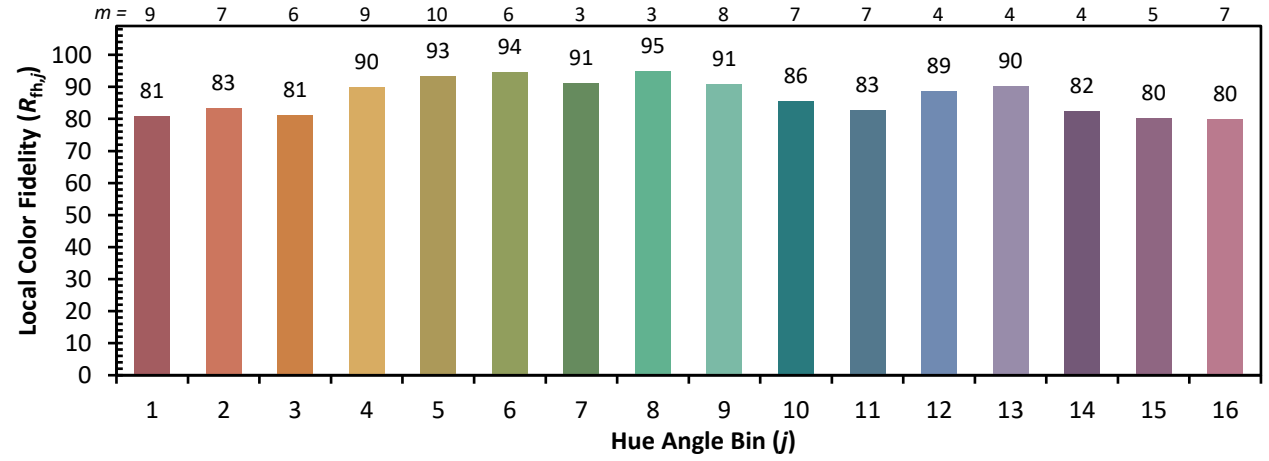
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Color Rendition by Hue-Angle Bin



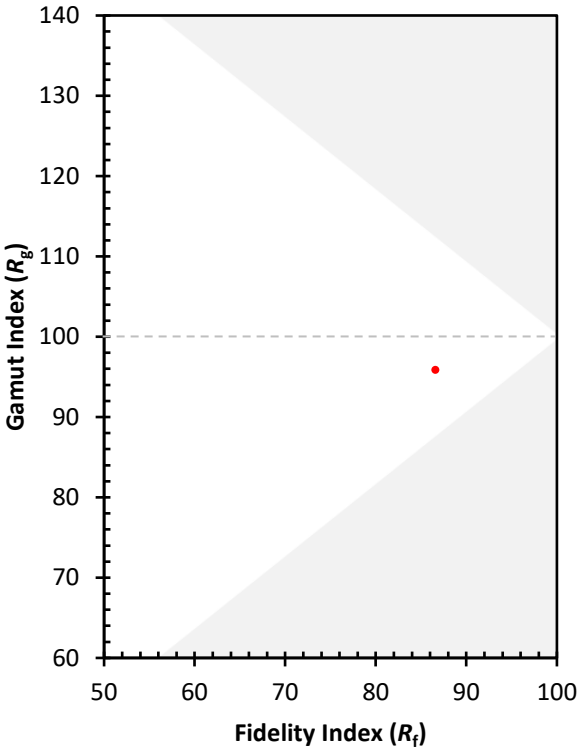


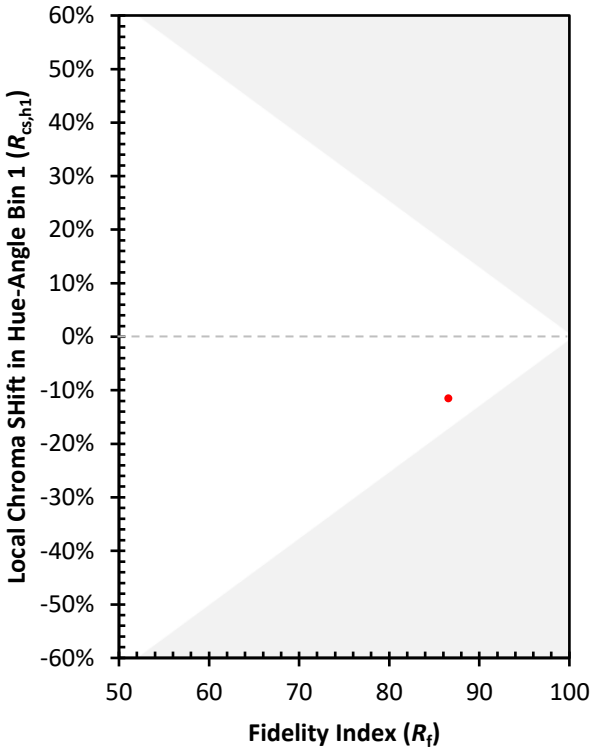


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Measure Comparisons





(END OF REPORT)