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: P1501518

Luminaire Tested: GSS-SB1B-830-U-T2LG

Issue Date: 07/20/2026

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Peachtree City, GA 30269

Scaled Data Report

Test Information

Test Method:	LM-79-2024
Report Number:	P1501518
Test Lab:	INNOVATION CENTER(G1)
Issue Date:	7/20/2026
Manufacturer:	COOPER LIGHTING SOLUTIONS
Product Line:	McGRAW-EDISON
Catalog Number:	GSS-SB1B-830-U-T2LG
Description:	GALLEON II SLIM SITE HIGH DENSITY LED ARRAYS 1SQUARE 40W 80CRI 3000K FIXTURE w/ TYPE II LOW GLARE DISTRIBUTION FIXTURE
Light Source:	(26) 3000K CCT, 80 CRI LEDS
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	4592.9 lumens
Efficiency:	N/A
Efficacy:	114.8 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

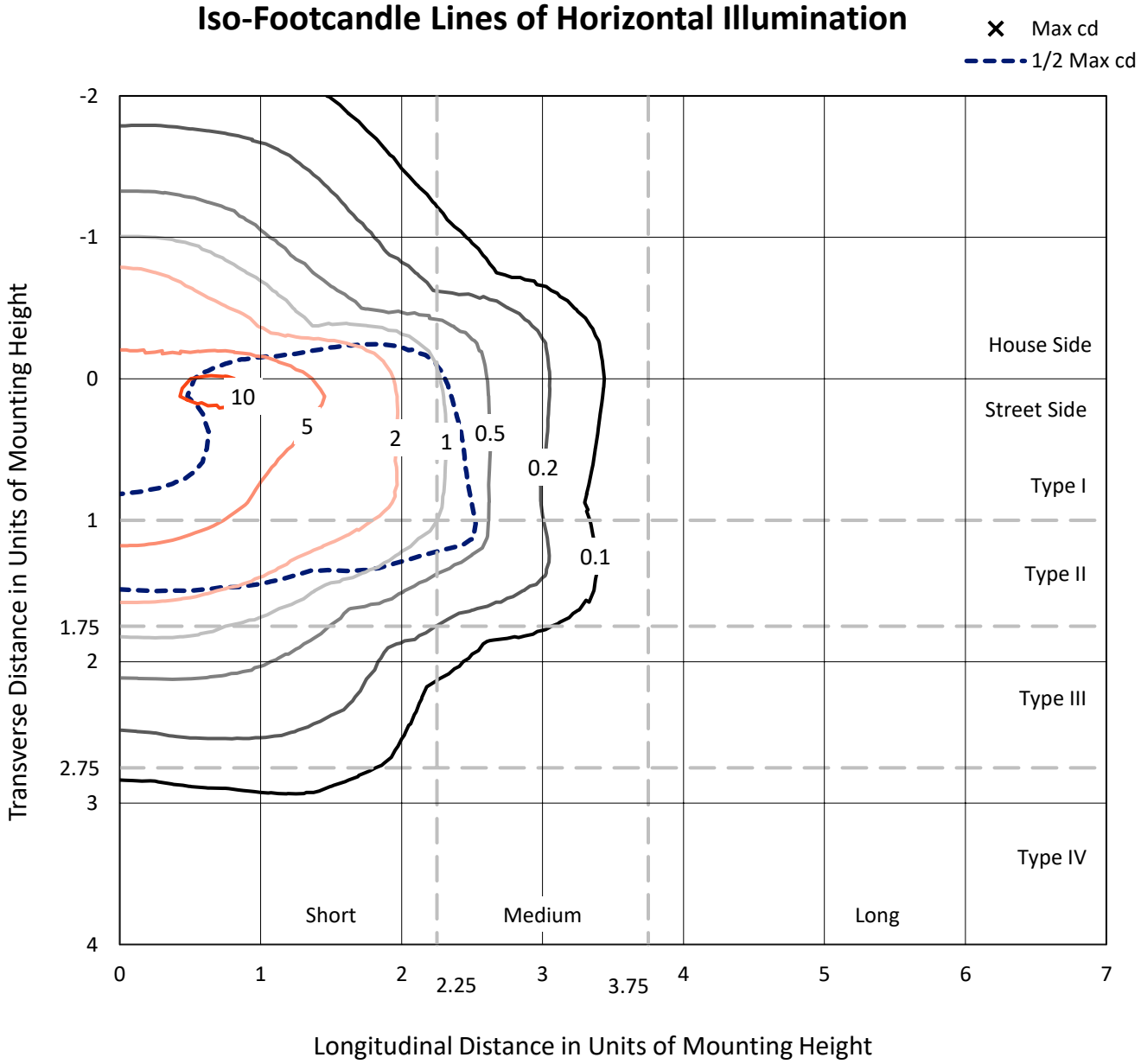
Input Watts (W):	40
Input Voltage (V):	120
Input Current (Ain):	NR
Voltage Rise (V):	NR
Power Factor:	0.98
Total Harmonic Distortion (THDi):	5.3%
Frequency (hertz):	60
Stabilization Time:	NR
Operation Time:	NR
Ambient Temperature (°C):	NR
Test Distance:	28.75 FT

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CATALOG NUMBER: GSS-SB1B-830-U-T2LG

Iso-Footcandle Lines of Horizontal Illumination



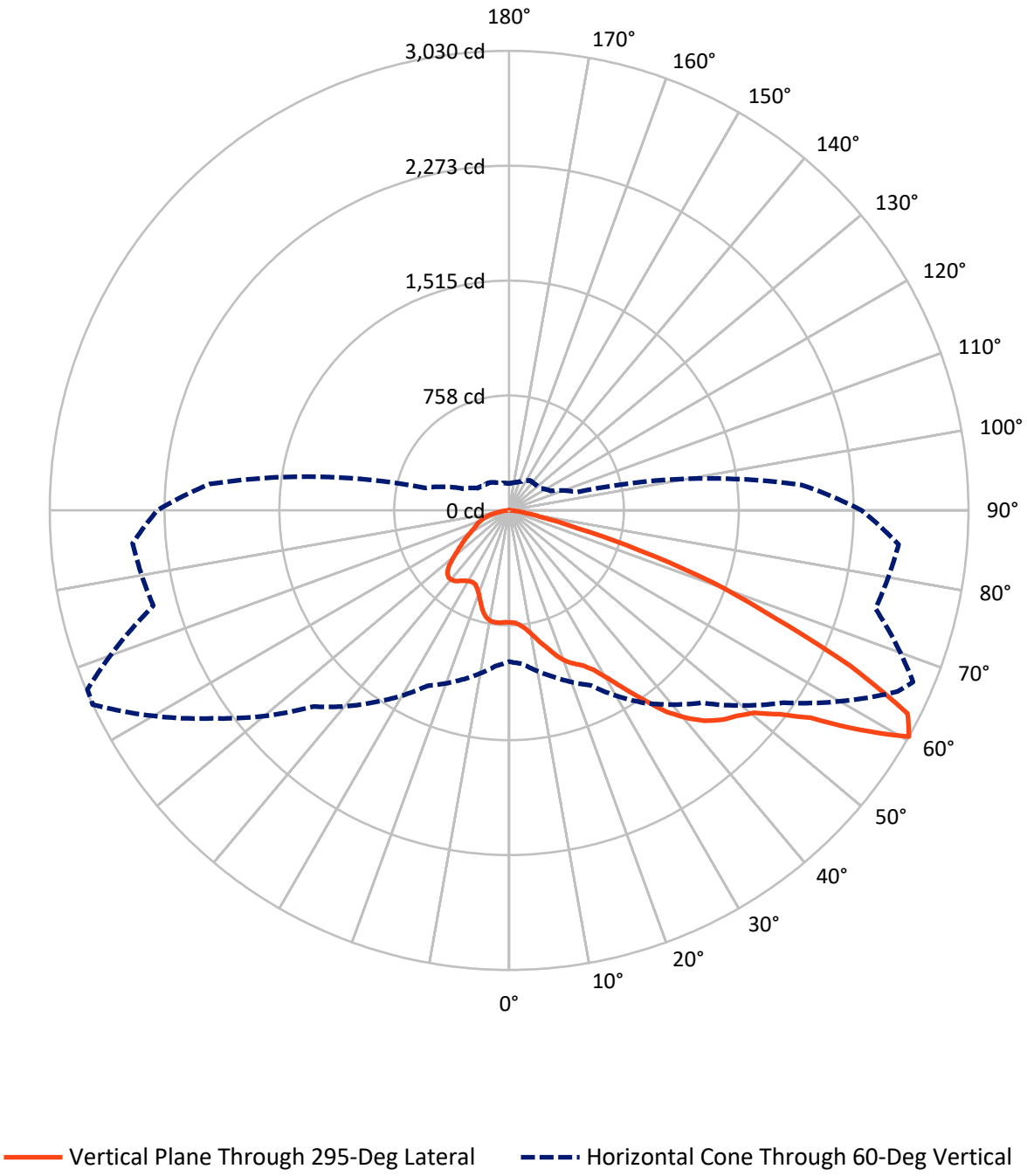
Based on 10 foot mounting height. Maximum calculated value = 11.1 fc
Type II - Short - N/A

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Scaled Data Report

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Luminous Intensity Polar Plot



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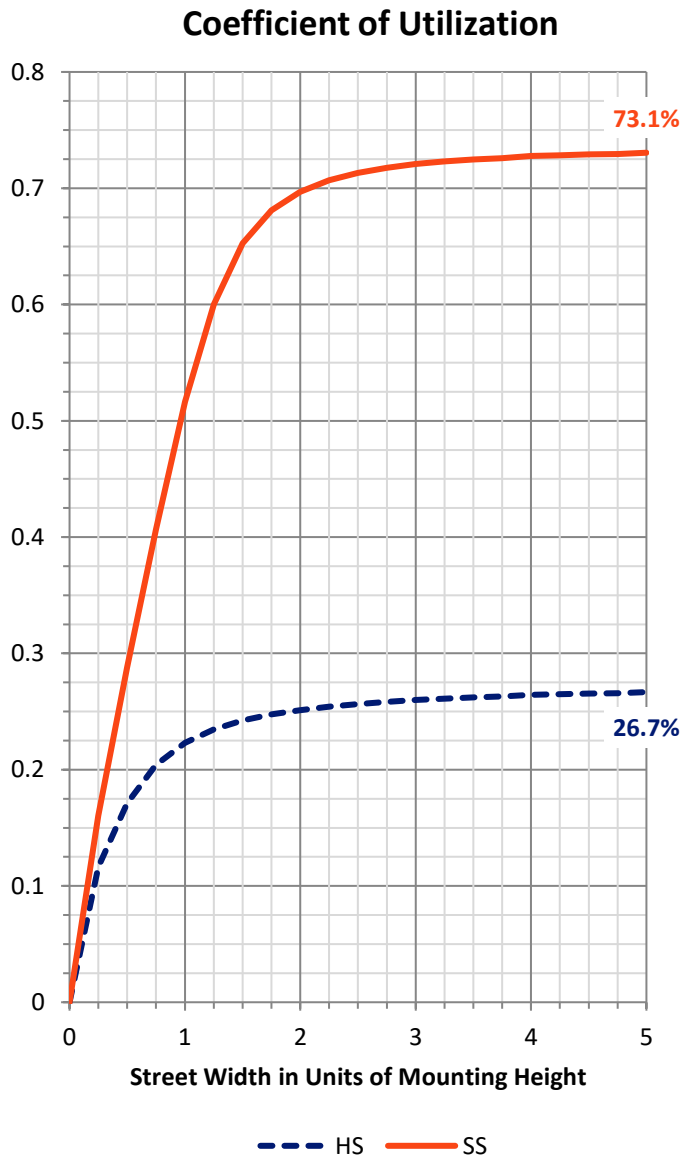
REPORT NUMBER: P1501518
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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1235.1	0.0	1235.1
	% Fixture	26.9	0.0	26.9
Street Side	Lumens	3357.8	0.0	3357.8
	% Fixture	73.1	0.0	73.1
Total	Lumens	4592.9	0.0	4592.9
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	69.5	1.5
10°-20°	199.7	4.3
20°-30°	378.3	8.2
30°-40°	667.0	14.5
40°-50°	986.4	21.5
50°-60°	1158.3	25.2
60°-70°	839.2	18.3
70°-80°	258.8	5.6
80°-90°	35.6	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°	4592.9	100.0
0°-180°	4592.9	100.0



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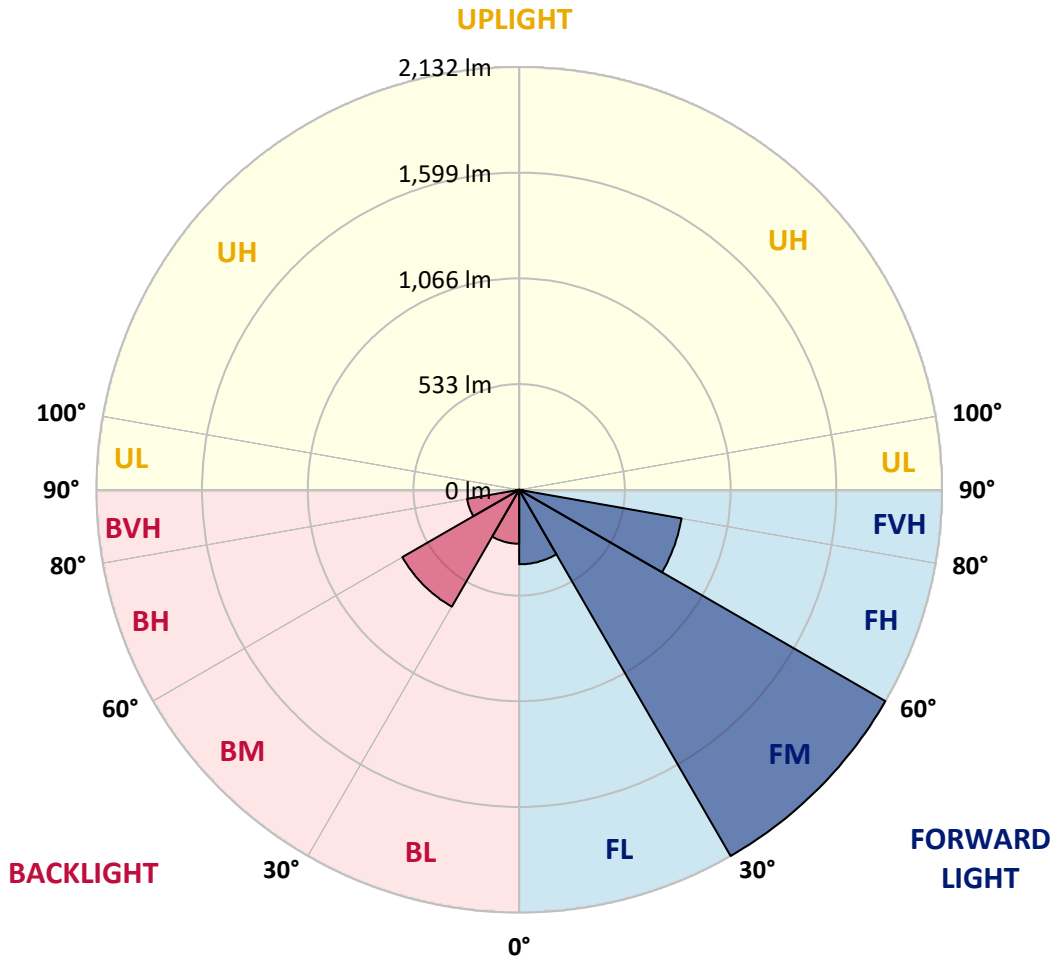
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	375.5	8.2			
FM	(30°-60°)	2131.6	46.4			
FH	(60°-80°)	831.5	18.1			G1/1800
FVH	(80°-90°)	19.2	0.4			G1/100
BL	(0°-30°)	272.0	5.9	B1/500		
BM	(30°-60°)	680.1	14.8	B1/1000		
BH	(60°-80°)	266.6	5.8	B1/500		G1/500
BVH	(80°-90°)	16.4	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°	739.0	739.0	739.0	739.0	739.0	739.0	739.0	739.0	739.0	739.0	739.0
2.5°	753.6	755.7	752.6	754.7	754.7	751.5	750.5	746.3	748.4	747.4	746.3
5°	771.4	772.5	770.4	773.5	773.5	774.6	773.5	768.3	768.3	768.3	766.2
7.5°	766.2	766.2	767.2	777.7	788.2	801.8	801.8	799.7	801.8	800.7	791.3
10°	722.2	726.4	735.8	762.0	787.1	816.4	836.3	842.6	842.6	843.7	828.0
12.5°	643.7	646.9	668.9	708.6	761.0	814.4	862.5	893.9	897.0	902.3	881.3
15°	573.6	575.7	591.4	632.2	691.9	786.1	877.2	942.1	952.5	974.5	943.1
17.5°	579.9	578.8	583.0	598.7	641.6	740.0	874.0	998.6	1017.4	1056.1	1028.9
20°	617.6	617.6	620.7	623.8	639.5	706.5	851.0	1044.6	1081.3	1156.6	1125.2
22.5°	677.2	677.2	676.2	681.4	681.4	721.2	852.0	1079.2	1133.6	1268.6	1238.3
25°	759.9	755.7	755.7	757.8	748.4	776.7	878.2	1114.8	1185.9	1401.6	1375.4
27.5°	853.1	856.2	854.1	846.8	834.2	856.2	941.0	1170.2	1244.6	1541.8	1531.4
30°	954.6	955.7	957.8	953.6	943.1	958.8	1039.4	1254.0	1322.0	1688.4	1711.4
32.5°	1054.0	1068.7	1063.5	1053.0	1057.2	1085.5	1160.8	1367.0	1437.1	1824.4	1906.1
35°	1180.7	1185.9	1206.9	1168.1	1169.2	1217.3	1315.7	1515.7	1583.7	1965.7	2100.8
37.5°	1364.9	1374.3	1364.9	1304.2	1294.8	1361.8	1466.5	1662.2	1711.4	2072.5	2281.9
40°	1546.0	1557.5	1573.2	1502.0	1442.4	1497.9	1608.8	1774.2	1825.5	2131.1	2402.2
42.5°	1695.7	1714.5	1697.8	1676.8	1622.4	1632.9	1708.3	1861.1	1912.4	2205.4	2523.6
45°	1822.3	1825.5	1832.8	1818.2	1790.9	1781.5	1793.0	1937.5	1994.0	2238.9	2583.3
47.5°	1874.7	1888.3	1894.6	1919.7	1948.0	1929.1	1865.3	1973.1	2024.4	2236.8	2602.2
50°	1846.4	1860.0	1893.5	1953.2	2021.2	2054.7	1950.0	2022.3	2079.8	2274.5	2640.9
52.5°	1772.1	1786.8	1841.2	1909.2	2023.3	2099.7	2069.4	2124.8	2180.3	2341.5	2705.8
55°	1592.1	1614.0	1690.5	1803.5	1960.5	2075.7	2195.0	2275.6	2336.3	2422.1	2772.8
57.5°	1330.4	1353.4	1439.2	1608.8	1844.3	1976.2	2231.6	2558.2	2585.4	2518.4	2779.0
60°	*996.5*	*1015.3*	*1136.7*	*1272.8*	*1549.1*	*1794.1*	*2210.7*	*2826.2*	*2895.2*	*2501.7*	*2579.1*
62.5°	789.2	812.3	920.1	982.9	1180.7	1482.2	2137.4	2900.5	2960.1	2363.5	2300.7
65°	616.5	632.2	732.7	822.7	870.9	1012.2	1831.8	2537.3	2590.6	2138.5	1898.8
67.5°	407.2	431.2	550.6	674.1	699.2	643.7	1260.3	1952.1	1977.3	1699.9	1427.7
70°	292.0	303.5	392.5	524.4	562.1	431.2	686.6	1478.0	1485.3	1140.9	961.9
72.5°	198.9	201.0	266.9	401.9	448.0	313.0	377.9	973.5	948.3	563.1	550.6
75°	135.0	137.1	170.6	268.0	317.2	217.7	246.0	530.7	509.8	310.9	333.9
77.5°	91.1	93.2	117.2	180.0	211.4	150.7	180.0	280.5	275.3	206.2	179.0
80°	69.1	72.2	86.9	115.1	147.6	87.9	102.6	132.9	135.0	109.9	91.1
82.5°	38.7	42.9	52.3	58.6	95.3	49.2	49.2	79.6	76.4	68.0	49.2
85°	16.7	17.8	20.9	22.0	38.7	20.9	17.8	34.5	35.6	33.5	15.7
87.5°	3.1	3.1	3.1	3.1	3.1	3.1	3.1	4.2	4.2	4.2	4.2
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°	739.0	739.0	739.0	739.0	739.0	739.0	739.0	739.0	739.0	739.0	739.0
2.5°	741.1	747.4	741.1	737.9	737.9	732.7	730.6	730.6	723.3	726.4	724.3
5°	757.8	759.9	752.6	743.2	730.6	720.1	705.5	686.6	675.1	674.1	675.1
7.5°	784.0	785.0	765.2	744.2	712.8	675.1	630.1	593.5	561.0	555.8	562.1
10°	820.6	818.5	789.2	740.0	674.1	594.5	525.5	492.0	473.1	472.1	471.0
12.5°	869.8	856.2	811.2	722.2	607.1	515.0	479.4	477.3	482.5	486.7	487.8
15°	926.3	908.6	829.0	687.7	539.1	485.7	487.8	505.6	511.8	516.0	516.0
17.5°	996.5	973.5	848.9	638.5	504.5	492.0	506.6	523.4	533.8	538.0	537.0
20°	1089.6	1041.5	864.6	591.4	495.1	502.4	515.0	531.7	542.2	547.4	547.4
22.5°	1182.8	1123.1	867.7	558.9	495.1	503.5	515.0	531.7	543.2	548.5	547.4
25°	1309.4	1227.8	868.8	535.9	496.1	498.2	508.7	523.4	540.1	545.3	547.4
27.5°	1444.5	1342.9	874.0	530.7	492.0	490.9	498.2	511.8	528.6	542.2	543.2
30°	1612.0	1472.7	876.1	535.9	493.0	479.4	484.6	498.2	516.0	529.6	533.8
32.5°	1776.3	1593.1	871.9	547.4	495.1	472.1	473.1	481.5	500.3	509.8	517.1
35°	1950.0	1720.8	864.6	563.1	496.1	468.9	459.5	463.7	476.3	477.3	480.4
37.5°	2086.1	1816.1	842.6	584.1	498.2	457.4	438.6	435.4	430.2	419.7	421.8
40°	2198.1	1879.9	806.0	594.5	493.0	443.8	412.4	397.8	377.9	362.2	365.3
42.5°	2278.7	1922.8	762.0	596.6	484.6	420.8	382.1	356.9	335.0	318.2	319.3
45°	2314.3	1918.6	714.9	580.9	464.7	392.5	353.8	329.7	305.6	287.8	285.8
47.5°	2315.3	1877.8	650.0	543.2	431.2	360.1	327.6	301.5	281.6	269.0	268.0
50°	2323.7	1854.8	589.3	488.8	387.3	325.5	304.6	278.4	266.9	249.1	243.9
52.5°	2376.1	1892.5	547.4	429.2	346.5	300.4	284.7	261.7	242.8	231.3	230.3
55°	2460.8	1957.4	524.4	384.1	307.7	276.3	265.9	246.0	229.2	217.7	214.6
57.5°	2471.3	1990.9	497.2	342.3	276.3	257.5	253.3	231.3	207.3	198.9	195.7
60°	*2324.8*	*1934.3*	*463.7*	*303.5*	*253.3*	*242.8*	*240.7*	*211.4*	*191.6*	*181.1*	*176.9*
62.5°	2124.8	1793.0	412.4	268.0	235.5	228.2	219.8	196.8	171.7	160.1	157.0
65°	1736.5	1507.3	350.7	243.9	217.7	209.3	207.3	175.8	159.1	152.8	151.8
67.5°	1315.7	1211.1	308.8	226.1	198.9	195.7	188.4	177.9	170.6	163.3	161.2
70°	930.5	874.0	262.7	203.1	180.0	174.8	205.2	193.6	167.5	158.1	157.0
72.5°	564.2	548.5	227.1	182.1	154.9	163.3	189.5	174.8	150.7	139.2	135.0
75°	355.9	325.5	190.5	154.9	123.5	132.9	165.4	156.0	129.8	118.3	115.1
77.5°	193.6	180.0	143.4	126.7	97.3	107.8	144.4	128.7	103.6	113.0	100.5
80°	84.8	94.2	95.3	73.3	64.9	79.6	103.6	100.5	79.6	80.6	67.0
82.5°	40.8	53.4	61.8	50.2	36.6	47.1	69.1	57.6	53.4	50.2	48.1
85°	12.6	19.9	27.2	24.1	16.7	19.9	32.4	31.4	37.7	32.4	30.4
87.5°	4.2	4.2	3.1	3.1	3.1	4.2	5.2	3.1	1.0	1.0	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°	739.0	739.0	739.0	739.0	739.0	739.0	739.0	739.0	739.0	739.0	739.0
2.5°	723.3	724.3	724.3	725.4	725.4	728.5	732.7	736.9	733.8	737.9	739.0
5°	673.0	678.3	682.5	698.2	710.7	721.2	732.7	743.2	746.3	748.4	753.6
7.5°	554.8	569.4	596.6	632.2	672.0	710.7	736.9	764.1	768.3	773.5	780.9
10°	472.1	478.4	497.2	533.8	605.0	681.4	745.3	788.2	806.0	816.4	823.8
12.5°	485.7	481.5	478.4	483.6	529.6	628.0	740.0	822.7	856.2	867.7	877.2
15°	518.1	513.9	502.4	487.8	493.0	571.5	722.2	855.2	908.6	927.4	947.3
17.5°	537.0	532.8	523.4	507.7	494.1	524.4	688.7	884.5	991.2	1014.3	1042.5
20°	547.4	543.2	533.8	518.1	502.4	506.6	645.8	921.1	1085.5	1122.1	1164.0
22.5°	549.5	544.3	533.8	518.1	508.7	505.6	605.0	943.1	1187.0	1243.5	1291.7
25°	548.5	539.1	525.5	513.9	508.7	507.7	576.7	955.7	1296.9	1386.9	1441.3
27.5°	541.2	529.6	516.0	507.7	505.6	511.8	564.2	970.3	1425.6	1540.8	1627.7
30°	532.8	516.0	499.3	496.1	501.4	521.3	574.7	975.5	1560.7	1708.3	1797.2
32.5°	510.8	498.2	481.5	480.4	493.0	528.6	598.7	968.2	1680.0	1875.7	1987.7
35°	479.4	472.1	462.7	465.8	485.7	534.9	615.5	945.2	1788.8	2031.7	2162.5
37.5°	423.9	429.2	434.4	441.7	466.8	533.8	622.8	908.6	1878.9	2156.2	2323.7
40°	362.2	380.0	396.7	415.5	449.0	525.5	624.9	863.5	1931.2	2250.5	2467.1
42.5°	323.4	340.2	361.1	388.3	425.0	506.6	622.8	813.3	1948.0	2315.3	2558.2
45°	287.8	307.7	333.9	362.2	404.0	479.4	604.0	758.9	1956.3	2345.7	2596.9
47.5°	269.0	280.5	304.6	332.9	376.8	445.9	567.3	719.1	1943.8	2352.0	2644.0
50°	247.0	262.7	278.4	305.6	348.6	404.0	523.4	696.1	1964.7	2413.7	2718.3
52.5°	230.3	238.7	255.4	280.5	311.9	365.3	481.5	677.2	2022.3	2476.5	2795.8
55°	217.7	227.1	237.6	258.5	282.6	326.6	438.6	649.0	2089.3	2543.5	2873.3
57.5°	197.8	204.1	218.8	240.7	256.4	288.9	388.3	615.5	2084.0	2491.2	2739.3
60°	*180.0*	*186.3*	*202.0*	*224.0*	*233.4*	*255.4*	*339.1*	*572.6*	*1983.5*	*2320.6*	*2492.2*
62.5°	160.1	167.5	186.3	202.0	210.4	227.1	287.8	494.1	1774.2	2064.1	2203.4
65°	151.8	156.0	168.5	187.4	186.3	202.0	242.8	388.3	1427.7	1577.4	1704.1
67.5°	161.2	167.5	165.4	170.6	167.5	175.8	217.7	311.9	1122.1	1188.0	1261.3
70°	159.1	173.8	181.1	170.6	146.5	156.0	188.4	249.1	802.8	796.6	793.4
72.5°	139.2	153.9	174.8	185.3	143.4	129.8	163.3	215.6	515.0	512.9	463.7
75°	118.3	128.7	153.9	167.5	123.5	104.7	140.3	183.2	307.7	311.9	278.4
77.5°	108.9	103.6	128.7	147.6	100.5	80.6	113.0	138.2	169.6	171.7	159.1
80°	78.5	75.4	96.3	107.8	76.4	57.6	63.9	85.8	91.1	81.6	84.8
82.5°	50.2	51.3	57.6	69.1	47.1	31.4	44.0	57.6	49.2	39.8	47.1
85°	32.4	36.6	30.4	35.6	14.7	14.7	18.8	25.1	16.7	11.5	12.6
87.5°	0.0	0.0	2.1	4.2	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: P1501518
CATALOG NUMBER: GSS-SB1B-830-U-T2LG

CANDELA DISTRIBUTION (continued):

	285°	293°	295°	305°	315°	325°	335°	345°	355°	360°
0°	739.0	739.0	*739.0*	739.0	739.0	739.0	739.0	739.0	739.0	739.0
2.5°	742.1	741.1	*741.1*	743.2	748.4	750.5	753.6	752.6	755.7	753.6
5°	756.8	757.8	*761.0*	762.0	765.2	769.3	770.4	769.3	771.4	771.4
7.5°	786.1	790.3	*788.2*	793.4	789.2	784.0	775.6	769.3	764.1	766.2
10°	835.3	833.2	*832.1*	822.7	803.9	776.7	754.7	730.6	726.4	722.2
12.5°	889.7	887.6	*887.6*	855.2	801.8	745.3	695.0	657.3	644.8	643.7
15°	966.1	952.5	*940.0*	871.9	765.2	668.9	610.2	580.9	573.6	573.6
17.5°	1061.4	1025.8	*1004.9*	859.4	705.5	618.6	584.1	576.7	574.7	579.9
20°	1179.7	1089.6	*1059.3*	831.1	683.5	624.9	608.1	609.2	610.2	617.6
22.5°	1309.4	1148.3	*1098.0*	831.1	705.5	664.7	656.3	667.8	670.9	677.2
25°	1453.9	1200.6	*1132.6*	875.1	770.4	740.0	729.6	741.1	749.5	759.9
27.5°	1616.1	1255.0	*1192.2*	954.6	854.1	835.3	823.8	829.0	840.5	853.1
30°	1761.6	1346.1	*1283.3*	1076.0	968.2	945.2	925.3	933.7	946.2	954.6
32.5°	1890.4	1457.0	*1403.7*	1203.7	1099.1	1059.3	1037.3	1035.2	1060.3	1054.0
35°	2008.7	1587.9	*1536.6*	1349.2	1232.0	1182.8	1153.5	1191.2	1174.4	1180.7
37.5°	2101.8	1724.0	*1683.1*	1488.4	1370.2	1303.2	1285.4	1331.4	1357.6	1364.9
40°	2178.2	1842.2	*1799.3*	1626.6	1496.8	1447.6	1475.9	1552.3	1549.1	1546.0
42.5°	2236.8	1943.8	*1896.7*	1731.3	1618.2	1627.7	1649.6	1700.9	1713.5	1695.7
45°	2263.0	2007.6	*1969.9*	1814.0	1756.4	1810.8	1820.3	1842.2	1833.9	1822.3
47.5°	2293.4	2064.1	*2024.4*	1889.3	1906.1	1959.5	1940.6	1922.8	1892.5	1874.7
50°	2344.7	2131.1	*2097.6*	1999.2	2059.9	2042.2	1968.9	1929.1	1867.4	1846.4
52.5°	2442.0	2257.8	*2232.7*	2173.0	2132.2	2029.6	1940.6	1869.4	1800.4	1772.1
55°	2528.9	2429.4	*2414.8*	2335.2	2110.2	1963.7	1844.3	1734.4	1616.1	1592.1
57.5°	2579.1	2714.2	*2730.9*	2404.3	2009.7	1814.0	1638.1	1462.3	1350.3	1330.4
60°	*2429.4*	*3021.9*	*3030.3*	*2390.7*	*1828.6*	*1543.9*	*1276.0*	*1151.4*	*1031.0*	*996.5*
62.5°	2223.2	2958.0	*2950.7*	2309.1	1456.0	1126.3	969.3	910.6	817.5	789.2
65°	1911.3	2464.0	*2472.4*	1995.1	968.2	814.4	814.4	740.0	636.4	616.5
67.5°	1557.5	1899.8	*1881.0*	1293.7	594.5	652.1	683.5	576.7	431.2	407.2
70°	1012.2	1450.8	*1424.6*	746.3	373.7	543.2	538.0	433.3	308.8	292.0
72.5°	435.4	838.4	*891.8*	381.0	281.6	437.5	429.2	303.5	206.2	198.9
75°	262.7	421.8	*459.5*	242.8	205.2	329.7	297.3	192.6	140.3	135.0
77.5°	166.4	231.3	*229.2*	182.1	153.9	223.0	199.9	132.9	95.3	91.1
80°	96.3	114.1	*118.3*	114.1	103.6	159.1	127.7	96.3	74.3	69.1
82.5°	61.8	71.2	*72.2*	55.5	57.6	102.6	69.1	56.5	42.9	38.7
85°	27.2	30.4	*29.3*	18.8	18.8	41.9	24.1	23.0	16.7	16.7
87.5°	1.0	2.1	*1.0*	1.0	1.0	4.2	2.1	3.1	3.1	3.1
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: SP1-2407-184-9

Test Date: 10/10/2024

Luminaire Tested: GSS-SB1A-830-U-5WQ

Data in this report applies to families of products including GSS-SB1A-830-U-5WQ

Report Generated By FNC07603 / LDUCLS01DT446
Version: v7.04

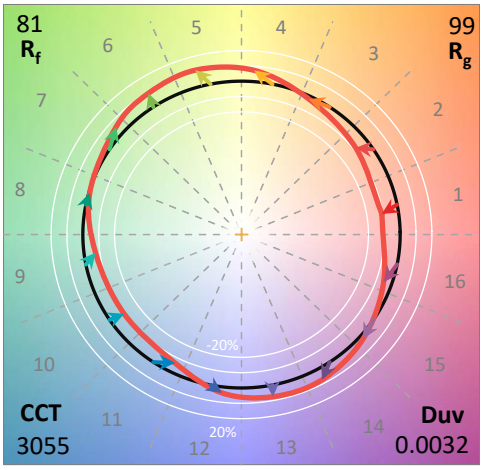
Test Information

Test Method:	LM-79-2019
Report Number:	SP1-2407-184-9
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-830-U-5WQ**
Description:	GALLEON II SITE SLIM 1SQ 350MA 5WQ HIGH DENSITY LIGHTSQUARE WITH 80 CRI 3000K CCT 26 LEDS

Spectral Parameters

CCT (K):	3055
CIE u':	0.2475
CIE v':	0.5247
Duv:	0.0032
CIE x:	0.4377
CIE y:	0.4124
CIE z:	0.1499
Peak Wavelength (nm):	604
Dominant Wavelength (nm):	581
Purity:	55.16339
Rf:	81.5
Rg:	99.2

CRI (Ra):	80.9
R1:	79.5
R2:	85.6
R3:	92.1
R4:	82.4
R5:	78.9
R6:	81.7
R7:	85.1
R8:	61.9
R9:	6.8
R10:	67.1
R11:	82.5
R12:	63.4
R13:	80.2
R14:	95.1
R15:	71.7



Test Conditions

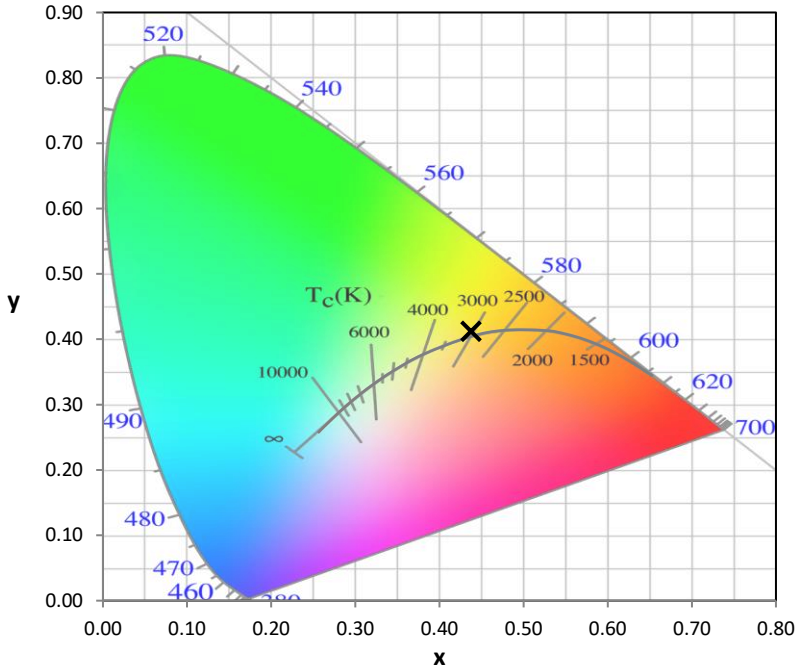
Stabilization Time:	20M
Operation Time:	1H 20M
Sphere Temperature (°C):	25.2

REPORT NUMBER: SP1-2407-184-9

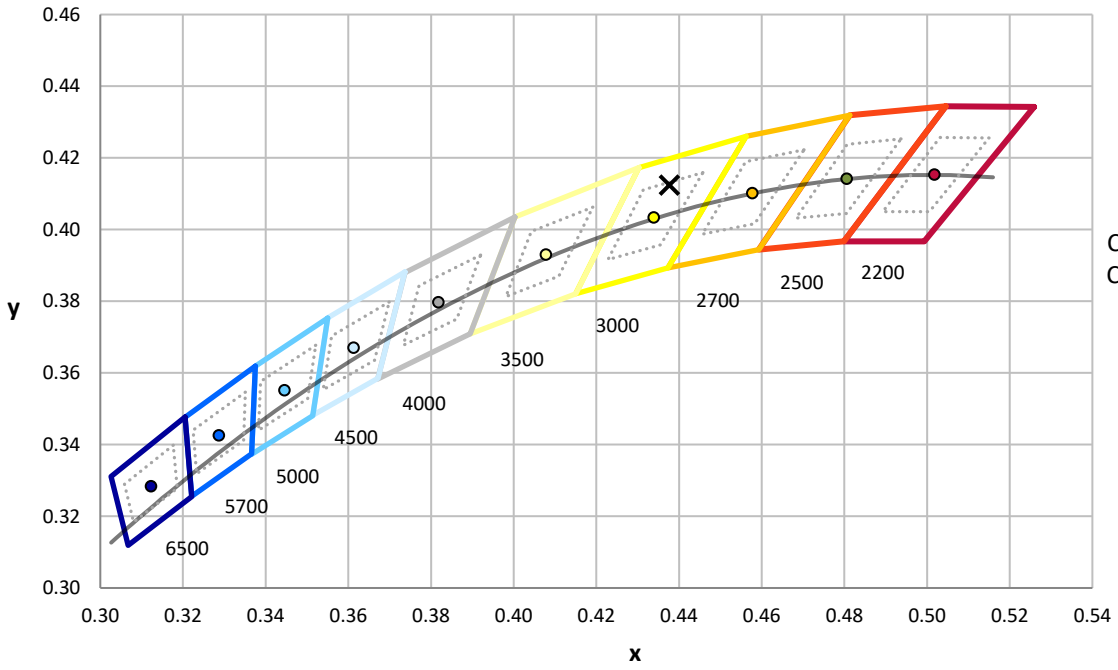
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

REPORT NUMBER: SP1-2407-184-9

CIE 1931 Chromaticity Diagram



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

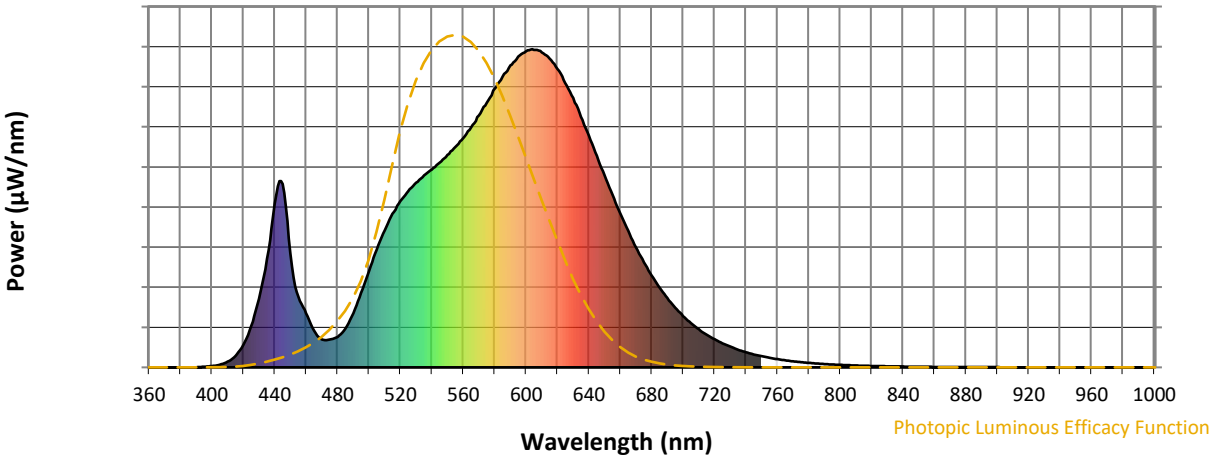


CCT = 3055K
CIE x = 0.4377
CIE y = 0.4124
Duv = 0.0032

Point lies inside the ANSI 3000K 4-step quadrangle

REPORT NUMBER: SP1-2407-184-9

Photopic Flux vs. Wavelength

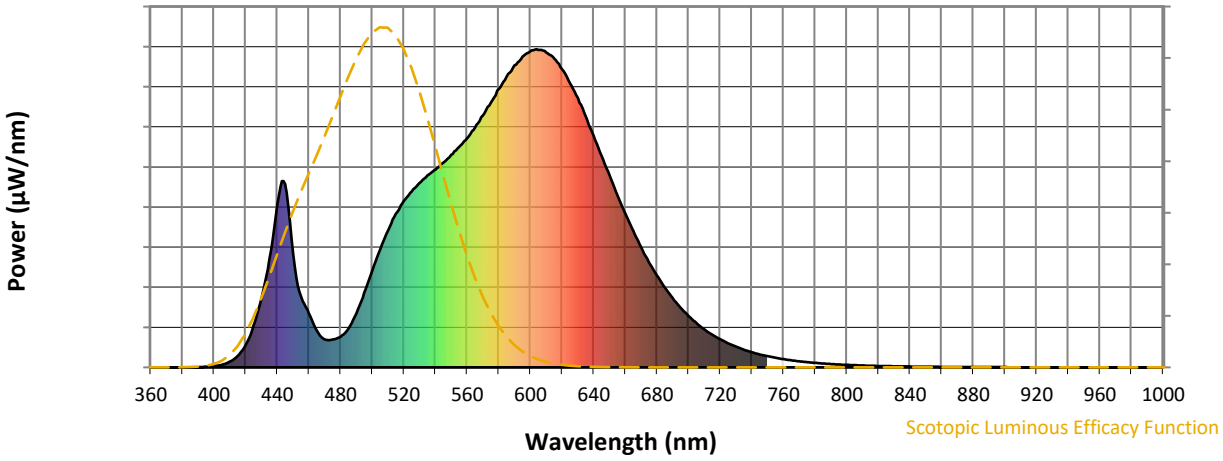


Photopic Lumens: NR

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	170	NR	620	938	NR	750	35	NR	880	1	NR
365	0	NR	495	234	NR	625	894	NR	755	30	NR	885	1	NR
370	0	NR	500	302	NR	630	847	NR	760	26	NR	890	1	NR
375	0	NR	505	371	NR	635	788	NR	765	22	NR	895	1	NR
380	0	NR	510	431	NR	640	728	NR	770	19	NR	900	1	NR
385	0	NR	515	482	NR	645	665	NR	775	16	NR	905	1	NR
390	0	NR	520	523	NR	650	603	NR	780	14	NR	910	0	NR
395	2	NR	525	553	NR	655	542	NR	785	12	NR	915	0	NR
400	4	NR	530	580	NR	660	484	NR	790	11	NR	920	0	NR
405	8	NR	535	603	NR	665	430	NR	795	9	NR	925	0	NR
410	18	NR	540	622	NR	670	377	NR	800	8	NR	930	0	NR
415	36	NR	545	644	NR	675	330	NR	805	7	NR	935	0	NR
420	71	NR	550	668	NR	680	289	NR	810	6	NR	940	0	NR
425	131	NR	555	693	NR	685	250	NR	815	5	NR	945	0	NR
430	215	NR	560	720	NR	690	218	NR	820	4	NR	950	0	NR
435	341	NR	565	754	NR	695	188	NR	825	4	NR	955	0	NR
440	514	NR	570	792	NR	700	161	NR	830	3	NR	960	0	NR
445	576	NR	575	832	NR	705	139	NR	835	3	NR	965	0	NR
450	358	NR	580	875	NR	710	119	NR	840	3	NR	970	0	NR
455	222	NR	585	913	NR	715	102	NR	845	2	NR	975	0	NR
460	170	NR	590	950	NR	720	88	NR	850	2	NR	980	0	NR
465	115	NR	595	977	NR	725	76	NR	855	2	NR	985	0	NR
470	88	NR	600	994	NR	730	65	NR	860	1	NR	990	0	NR
475	87	NR	605	997	NR	735	56	NR	865	1	NR	995	0	NR
480	96	NR	610	990	NR	740	47	NR	870	1	NR	1000	0	NR
485	122	NR	615	971	NR	745	41	NR	875	1	NR			

REPORT NUMBER: SP1-2407-184-9

Scotopic Flux vs. Wavelength

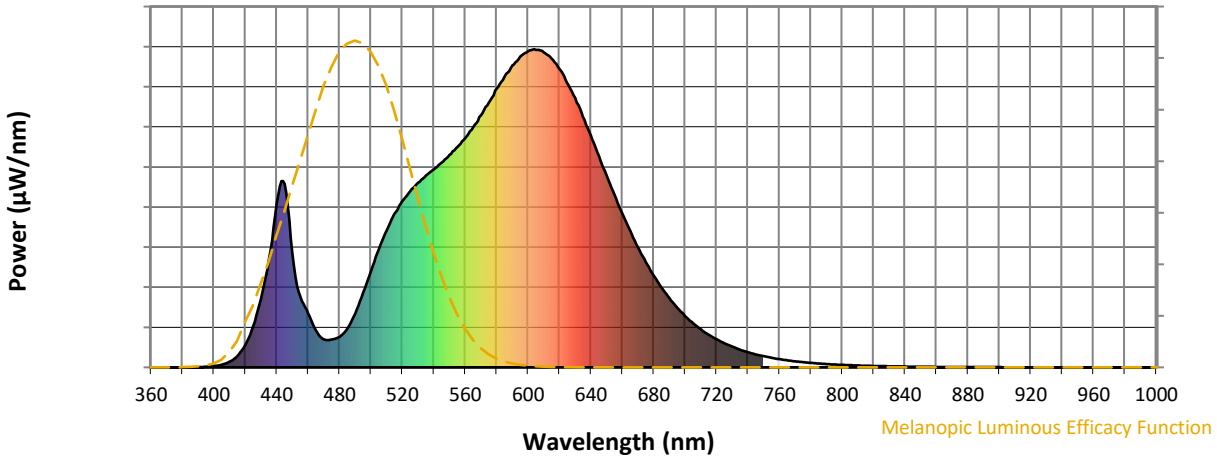


Scotopic Lumens: NR **S/P: 1.28**

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	170	NR	620	938	NR	750	35	NR	880	1	NR
365	0	NR	495	234	NR	625	894	NR	755	30	NR	885	1	NR
370	0	NR	500	302	NR	630	847	NR	760	26	NR	890	1	NR
375	0	NR	505	371	NR	635	788	NR	765	22	NR	895	1	NR
380	0	NR	510	431	NR	640	728	NR	770	19	NR	900	1	NR
385	0	NR	515	482	NR	645	665	NR	775	16	NR	905	1	NR
390	0	NR	520	523	NR	650	603	NR	780	14	NR	910	0	NR
395	2	NR	525	553	NR	655	542	NR	785	12	NR	915	0	NR
400	4	NR	530	580	NR	660	484	NR	790	11	NR	920	0	NR
405	8	NR	535	603	NR	665	430	NR	795	9	NR	925	0	NR
410	18	NR	540	622	NR	670	377	NR	800	8	NR	930	0	NR
415	36	NR	545	644	NR	675	330	NR	805	7	NR	935	0	NR
420	71	NR	550	668	NR	680	289	NR	810	6	NR	940	0	NR
425	131	NR	555	693	NR	685	250	NR	815	5	NR	945	0	NR
430	215	NR	560	720	NR	690	218	NR	820	4	NR	950	0	NR
435	341	NR	565	754	NR	695	188	NR	825	4	NR	955	0	NR
440	514	NR	570	792	NR	700	161	NR	830	3	NR	960	0	NR
445	576	NR	575	832	NR	705	139	NR	835	3	NR	965	0	NR
450	358	NR	580	875	NR	710	119	NR	840	3	NR	970	0	NR
455	222	NR	585	913	NR	715	102	NR	845	2	NR	975	0	NR
460	170	NR	590	950	NR	720	88	NR	850	2	NR	980	0	NR
465	115	NR	595	977	NR	725	76	NR	855	2	NR	985	0	NR
470	88	NR	600	994	NR	730	65	NR	860	1	NR	990	0	NR
475	87	NR	605	997	NR	735	56	NR	865	1	NR	995	0	NR
480	96	NR	610	990	NR	740	47	NR	870	1	NR	1000	0	NR
485	122	NR	615	971	NR	745	41	NR	875	1	NR			

REPORT NUMBER: SP1-2407-184-9

Melanopic Flux vs. Wavelength



Melanopic Lumens: NR **M/P: 2.33**

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	170	NR	620	938	NR	750	35	NR	880	1	NR
365	0	NR	495	234	NR	625	894	NR	755	30	NR	885	1	NR
370	0	NR	500	302	NR	630	847	NR	760	26	NR	890	1	NR
375	0	NR	505	371	NR	635	788	NR	765	22	NR	895	1	NR
380	0	NR	510	431	NR	640	728	NR	770	19	NR	900	1	NR
385	0	NR	515	482	NR	645	665	NR	775	16	NR	905	1	NR
390	0	NR	520	523	NR	650	603	NR	780	14	NR	910	0	NR
395	2	NR	525	553	NR	655	542	NR	785	12	NR	915	0	NR
400	4	NR	530	580	NR	660	484	NR	790	11	NR	920	0	NR
405	8	NR	535	603	NR	665	430	NR	795	9	NR	925	0	NR
410	18	NR	540	622	NR	670	377	NR	800	8	NR	930	0	NR
415	36	NR	545	644	NR	675	330	NR	805	7	NR	935	0	NR
420	71	NR	550	668	NR	680	289	NR	810	6	NR	940	0	NR
425	131	NR	555	693	NR	685	250	NR	815	5	NR	945	0	NR
430	215	NR	560	720	NR	690	218	NR	820	4	NR	950	0	NR
435	341	NR	565	754	NR	695	188	NR	825	4	NR	955	0	NR
440	514	NR	570	792	NR	700	161	NR	830	3	NR	960	0	NR
445	576	NR	575	832	NR	705	139	NR	835	3	NR	965	0	NR
450	358	NR	580	875	NR	710	119	NR	840	3	NR	970	0	NR
455	222	NR	585	913	NR	715	102	NR	845	2	NR	975	0	NR
460	170	NR	590	950	NR	720	88	NR	850	2	NR	980	0	NR
465	115	NR	595	977	NR	725	76	NR	855	2	NR	985	0	NR
470	88	NR	600	994	NR	730	65	NR	860	1	NR	990	0	NR
475	87	NR	605	997	NR	735	56	NR	865	1	NR	995	0	NR
480	96	NR	610	990	NR	740	47	NR	870	1	NR	1000	0	NR
485	122	NR	615	971	NR	745	41	NR	875	1	NR			

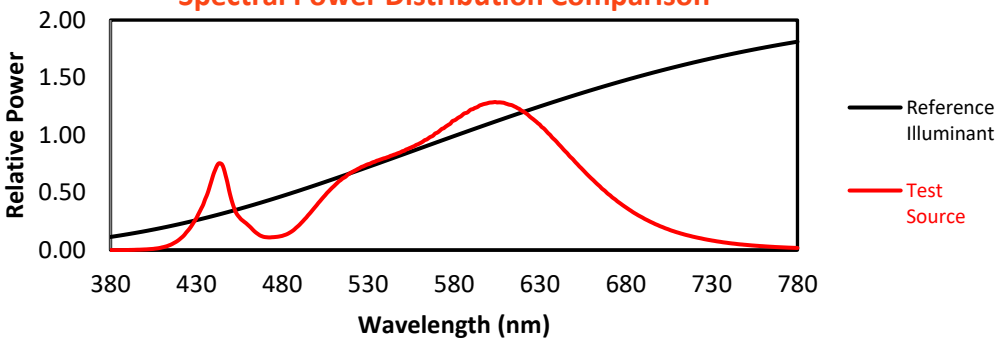
REPORT NUMBER: SP1-2407-184-9

TM-30-18

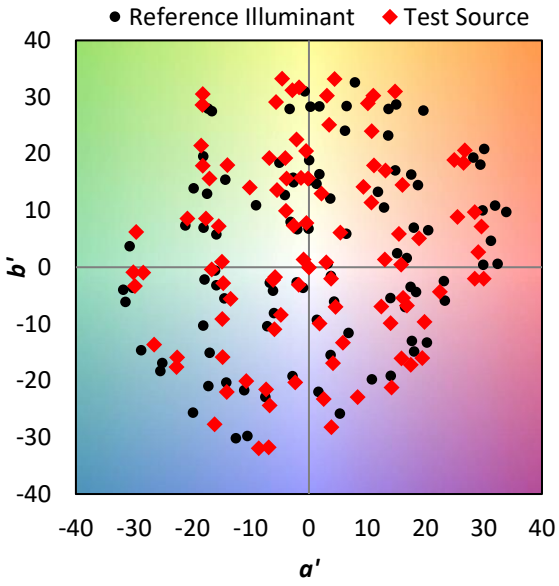
Summary

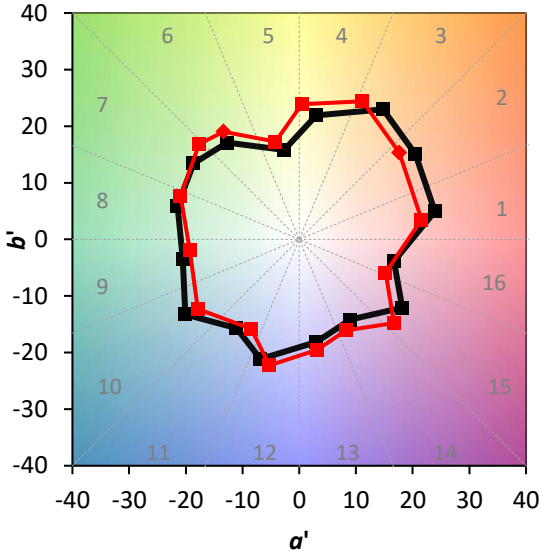
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R_g = 99.2
CIE R_a = 80.9
R_9 = 6.8

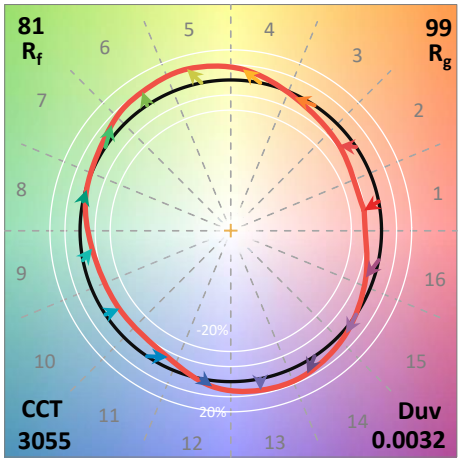
Spectral Power Distribution Comparison

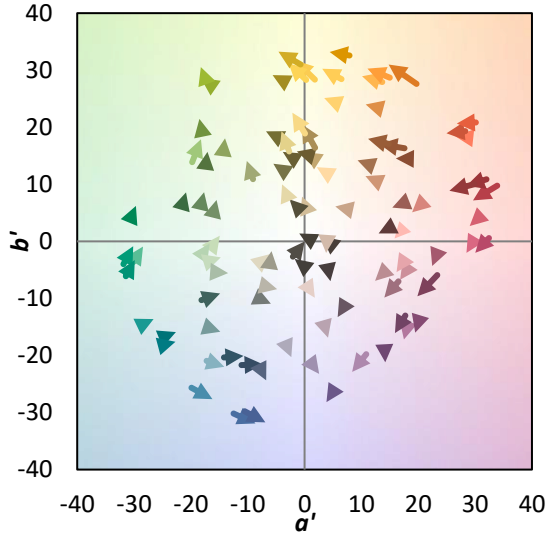


Color Vector Graphics







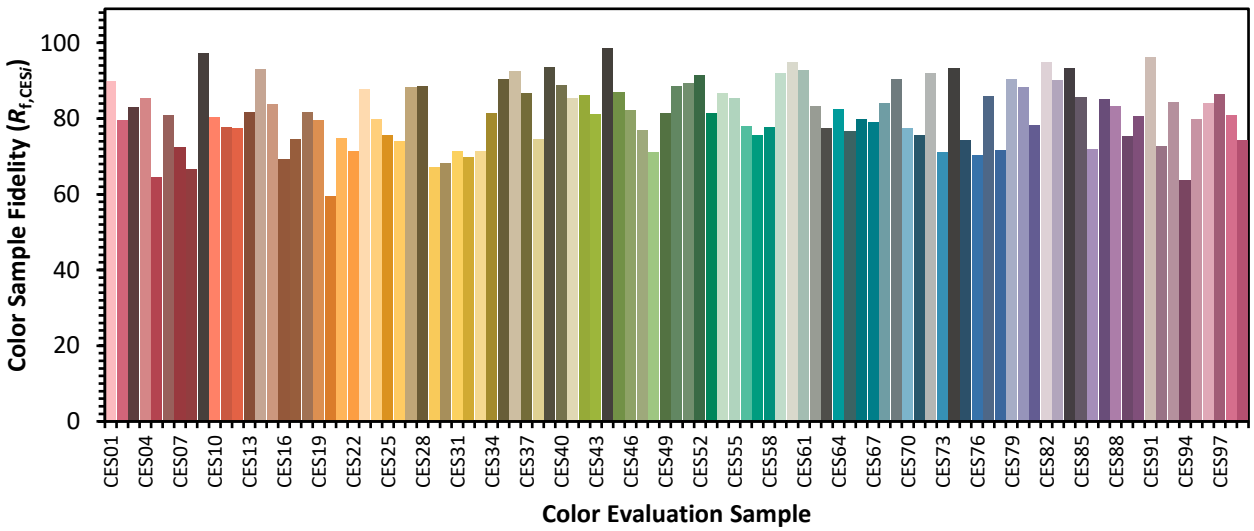


REPORT NUMBER: SP1-2407-184-9

TM-30-18

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

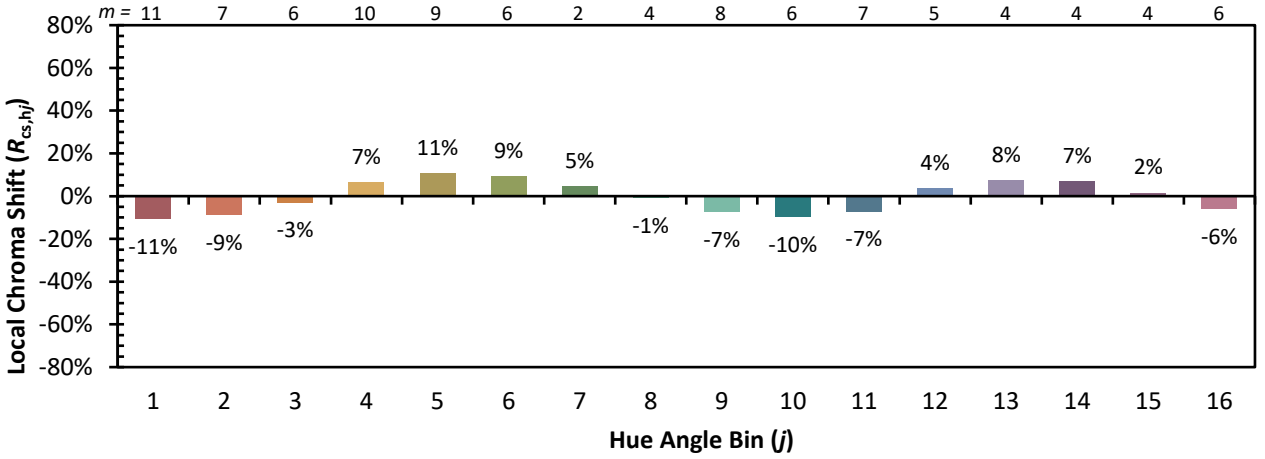
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CES02 = 63	CES27 = 88	CES52 = 91	CES77 = 86
CES03 = 31	CES28 = 89	CES53 = 81	CES78 = 72
CES04 = 70	CES29 = 67	CES54 = 87	CES79 = 90
CES05 = 50	CES30 = 68	CES55 = 85	CES80 = 88
CES06 = 51	CES31 = 71	CES56 = 78	CES81 = 78
CES07 = 42	CES32 = 70	CES57 = 76	CES82 = 95
CES08 = 41	CES33 = 71	CES58 = 78	CES83 = 90
CES09 = 29	CES34 = 82	CES59 = 92	CES84 = 93
CES10 = 76	CES35 = 90	CES60 = 95	CES85 = 86
CES11 = 59	CES36 = 93	CES61 = 93	CES86 = 72
CES12 = 65	CES37 = 87	CES62 = 83	CES87 = 85
CES13 = 43	CES38 = 75	CES63 = 77	CES88 = 83
CES14 = 74	CES39 = 94	CES64 = 83	CES89 = 75
CES15 = 71	CES40 = 89	CES65 = 77	CES90 = 81
CES16 = 47	CES41 = 85	CES66 = 80	CES91 = 96
CES17 = 50	CES42 = 86	CES67 = 79	CES92 = 73
CES18 = 56	CES43 = 81	CES68 = 84	CES93 = 84
CES19 = 72	CES44 = 99	CES69 = 90	CES94 = 64
CES20 = 66	CES45 = 87	CES70 = 77	CES95 = 80
CES21 = 87	CES46 = 82	CES71 = 76	CES96 = 84
CES22 = 79	CES47 = 77	CES72 = 92	CES97 = 87
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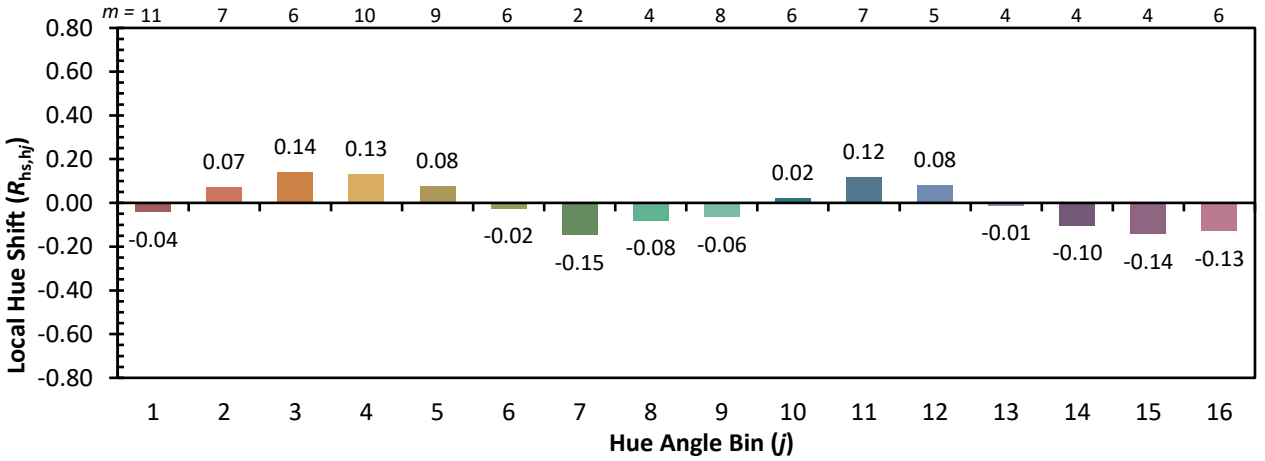


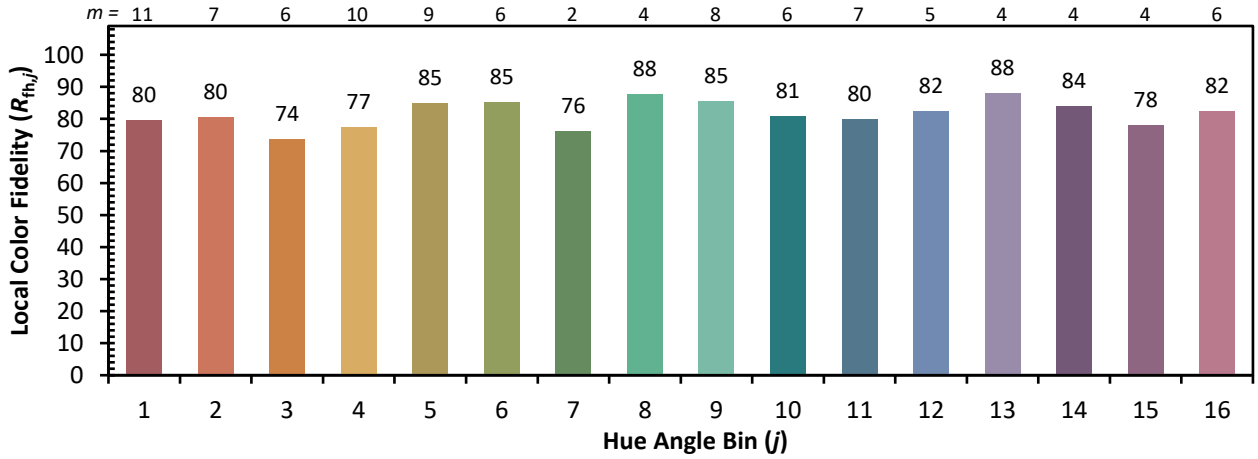
REPORT NUMBER: SP1-2407-184-9

TM-30-18

Color Rendition by Hue-Angle Bin



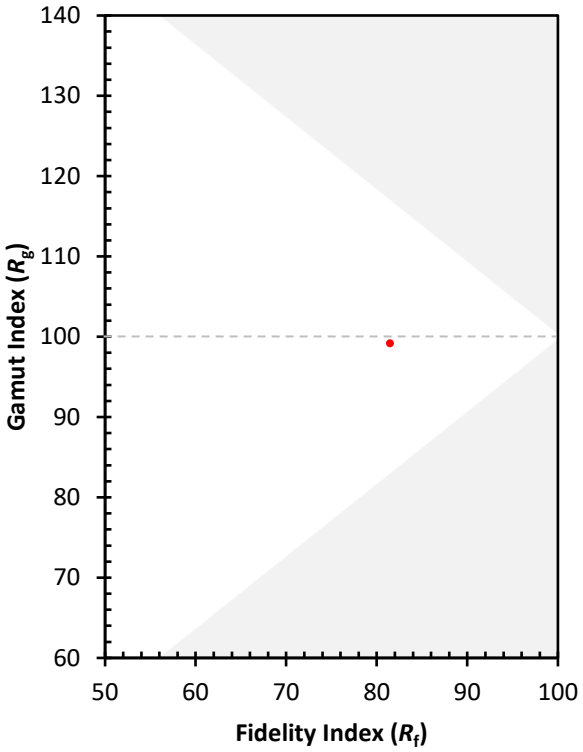


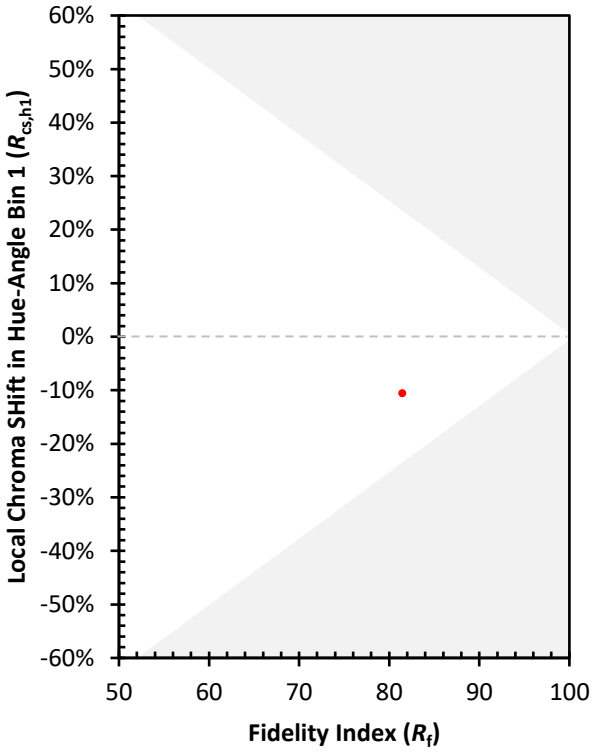


REPORT NUMBER: SP1-2407-184-9

TM-30-18

Measure Comparisons





(END OF REPORT)