Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

Scaled data based on original data using

LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-State Lighting Products

Test Report Prepared for

Cooper Lighting Solutions

(formerly Eaton)

Brand: McGRAW-EDISON

Report Number: P1364578

Luminaire Tested: **GSS-SB1D-730-U-SLR-HSS**

Issue Date: 02/18/2026

Report Generated By 670245763

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Scaled Data Report

Test Information

Test Method:	LM-79-08
Report Number:	P1364578
Test Lab:	INNOVATION CENTER(G1)
Issue Date:	02/18/2026
Manufacturer:	COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line:	McGRAW-EDISON
Catalog Number:	GSS-SB1D-730-U-SLR-HSS
Description:	GALLEON II SLIM SITE HIGH DENSITY LED ARRAYS 1SQUARE 76W 70CRI 3000K FIXTURE w/ 90° Spill Light Eliminator RIGHT OPTIC AND HOUSE SIDE SHIELD
Light Source:	(26) 3000K CCT, 70 CRI LEDS
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	7027.2 lumens
Efficiency:	N/A
Efficacy:	92.5 lumens/watt
Luminous Opening:	Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification:	Type III - Short
BUG Rating:	B1 - U0 - G2

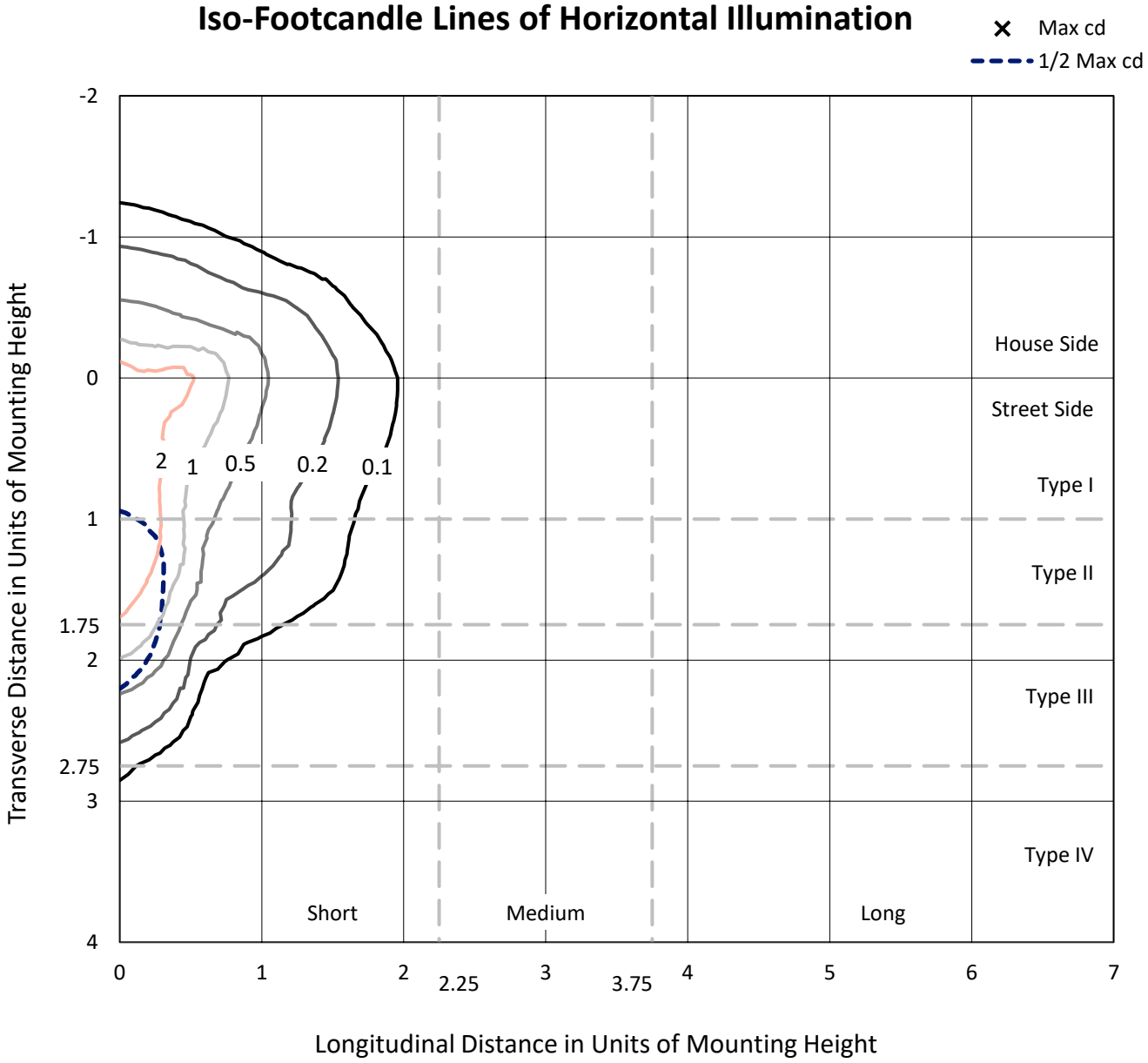
Input Watts (W):	76
Input Voltage (V):	120
Input Current (Ain):	NR
Voltage Rise (V):	NR
Power Factor:	0.98
Total Harmonic Distortion (THDi):	6.7%
Frequency (hertz):	60
Stabilization Time:	NR
Operation Time:	NR
Ambient Temperature (°C):	NR
Test Distance:	28.75 FT

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Iso-Footcandle Lines of Horizontal Illumination



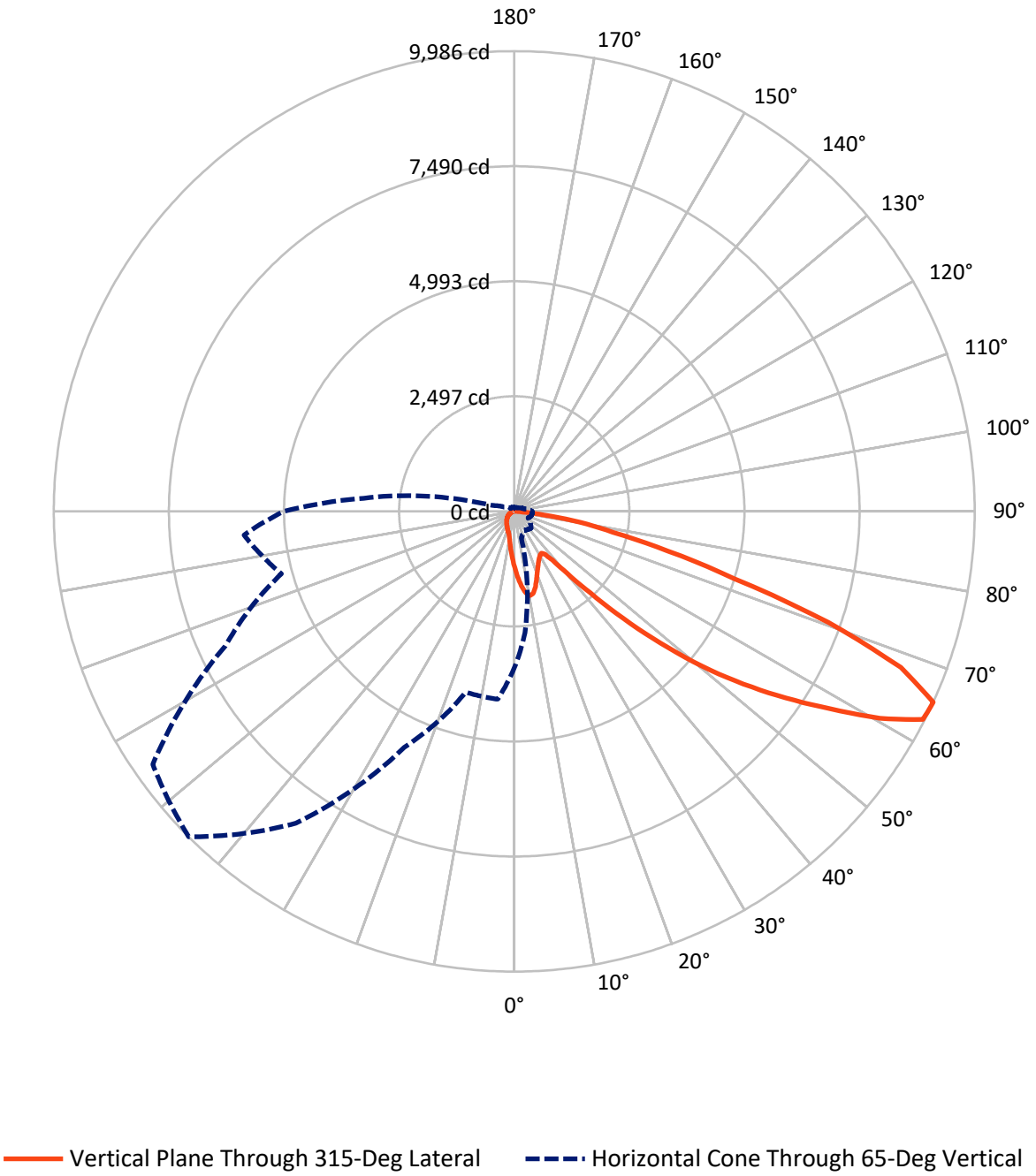
Based on 20 foot mounting height. Maximum calculated value = 3.8 fc
Type III - Short - N/A

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Luminous Intensity Polar Plot



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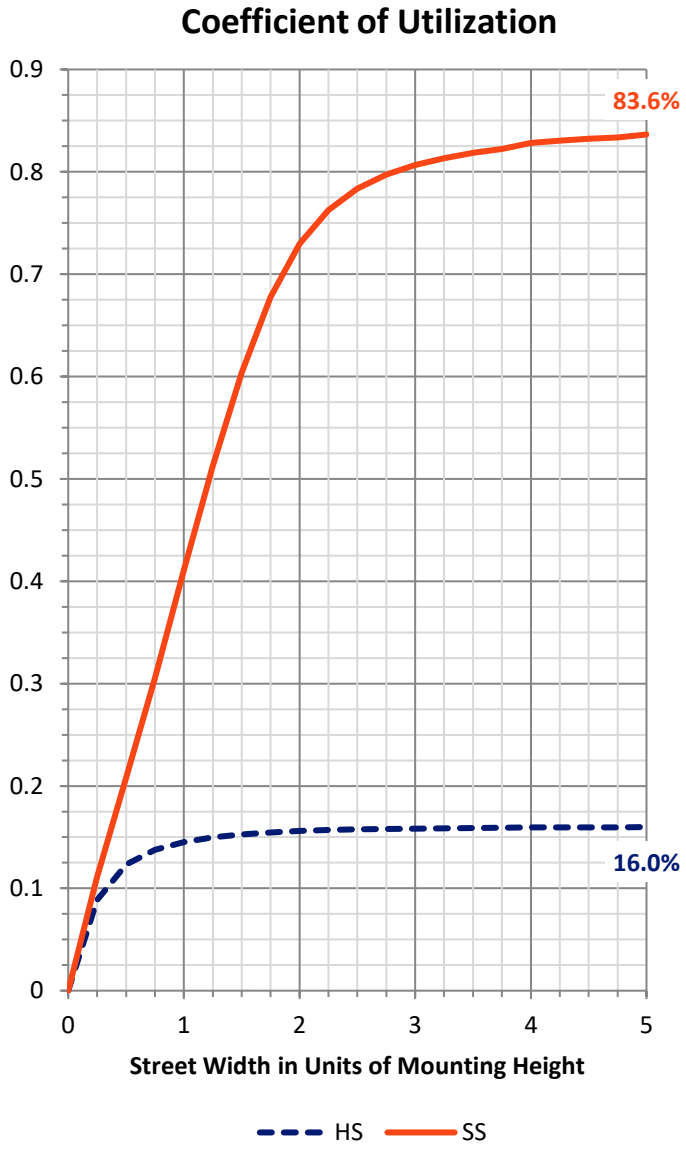
REPORT NUMBER: P1364578
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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1136.0	0.0	1136.0
	% Fixture	16.2	0.0	16.2
Street Side	Lumens	5891.2	0.0	5891.2
	% Fixture	83.8	0.0	83.8
Total	Lumens	7027.2	0.0	7027.2
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	116.8	1.7
10°-20°	322.9	4.6
20°-30°	462.5	6.6
30°-40°	580.1	8.3
40°-50°	952.9	13.6
50°-60°	1719.6	24.5
60°-70°	1908.4	27.2
70°-80°	862.2	12.3
80°-90°	101.9	1.5
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	7027.2	100.0
0°-180°	7027.2	100.0



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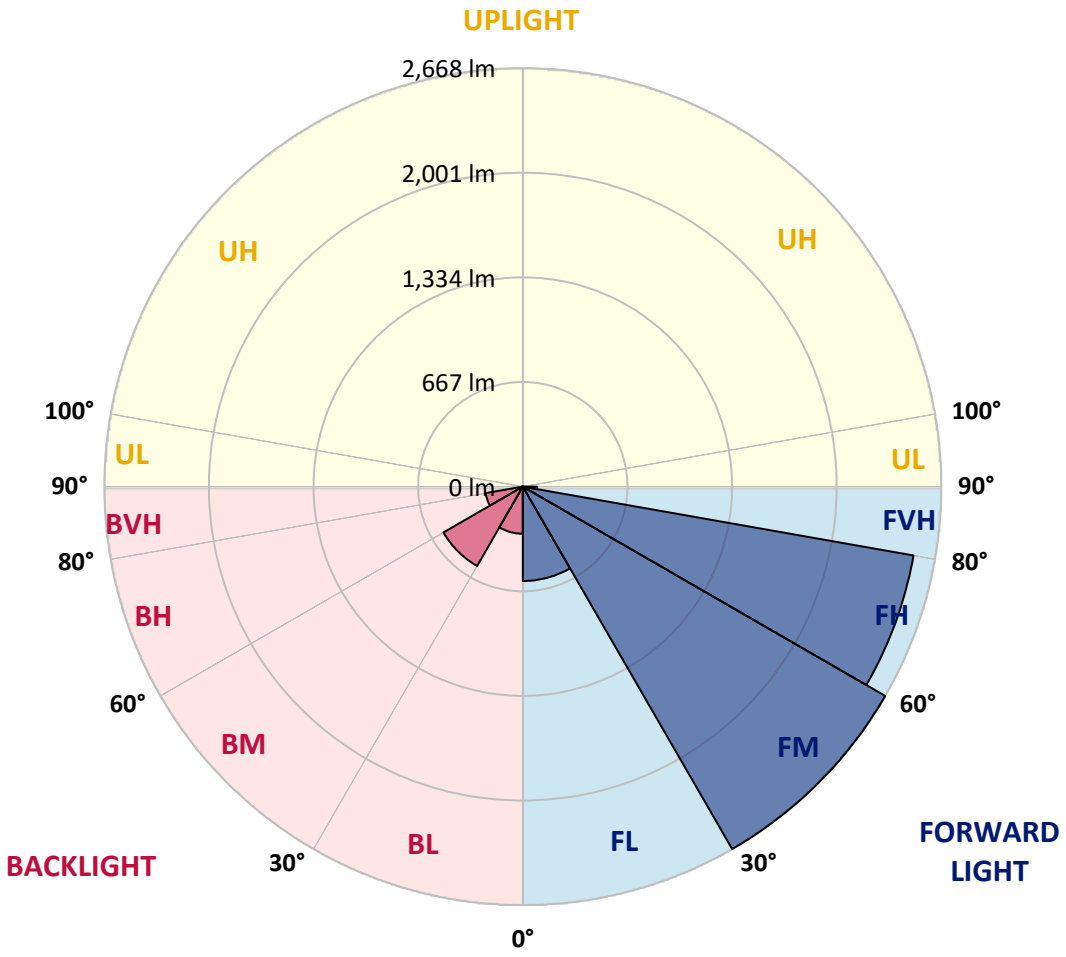
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	601.9	8.6			
FM	(30°-60°)	2668.4	38.0			
FH	(60°-80°)	2529.3	36.0			G2/5000
FVH	(80°-90°)	91.5	1.3			G1/100
BL	(0°-30°)	300.2	4.3	B1/500		
BM	(30°-60°)	584.1	8.3	B1/1000		
BH	(60°-80°)	241.2	3.4	B1/500		G1/500
BVH	(80°-90°)	10.4	0.1			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G2
Type III Short



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CANDELA DISTRIBUTION (FULL):

	0°	1°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	1214.9	1214.9	1214.9	1214.9	1214.9	1214.9	1214.9	1214.9	1214.9	1214.9	1214.9
2.5°	1370.2	1368.9	1363.7	1331.4	1299.0	1271.0	1242.9	1214.9	1176.0	1145.8	1119.9
5°	1499.7	1492.8	1465.2	1415.5	1361.6	1314.1	1260.2	1208.4	1150.1	1102.7	1053.0
7.5°	1588.2	1581.3	1553.6	1471.6	1389.6	1331.4	1273.1	1219.2	1154.4	1091.9	1020.7
10°	1629.2	1621.4	1590.3	1501.9	1406.9	1335.7	1277.4	1227.8	1173.9	1111.3	1022.8
12.5°	1657.2	1647.7	1609.7	1508.3	1411.2	1340.0	1279.6	1232.1	1193.3	1156.6	1070.3
15°	1674.5	1665.8	1631.3	1525.6	1413.4	1333.5	1262.3	1217.0	1204.1	1210.5	1169.5
17.5°	1700.4	1692.2	1659.4	1547.2	1426.3	1322.8	1225.6	1176.0	1204.1	1262.3	1275.3
20°	1734.9	1726.3	1691.7	1575.2	1437.1	1290.4	1156.6	1109.1	1180.3	1277.4	1344.3
22.5°	1773.7	1766.8	1739.2	1607.6	1447.9	1242.9	1066.0	1044.4	1130.7	1234.3	1320.6
25°	1821.2	1814.7	1788.8	1652.9	1458.7	1178.2	988.3	992.6	1066.0	1148.0	1236.4
27.5°	1885.9	1879.9	1855.7	1709.0	1471.6	1111.3	925.7	947.3	1001.2	1057.3	1111.3
30°	1957.2	1952.4	1933.4	1775.9	1497.5	1048.7	889.0	902.0	938.7	984.0	1016.3
32.5°	2054.3	2046.5	2015.4	1838.5	1495.4	1001.2	871.8	858.8	869.6	906.3	938.7
35°	2175.1	2169.1	2144.9	1903.2	1456.5	958.1	863.1	817.8	811.3	832.9	865.3
37.5°	2352.0	2346.9	2326.1	2008.9	1396.1	904.1	841.6	774.7	753.1	768.2	789.8
40°	2617.4	2604.1	2550.6	2129.8	1329.2	850.2	802.7	722.9	692.7	703.5	727.2
42.5°	2977.8	2952.3	2850.5	2291.6	1238.6	798.4	744.5	671.1	638.7	645.2	666.8
45°	3439.6	3401.2	3247.5	2513.9	1143.7	757.4	684.0	617.1	582.6	589.1	612.8
47.5°	3979.0	3926.4	3715.8	2746.9	1042.2	733.7	636.6	563.2	537.3	552.4	576.1
50°	4615.6	4562.5	4350.2	2895.8	960.2	718.6	599.9	513.6	502.8	522.2	541.6
52.5°	5310.4	5234.9	4932.8	2800.9	893.3	705.6	586.9	479.0	483.4	498.5	517.9
55°	5985.8	5817.9	5146.4	2485.8	807.0	690.5	595.6	453.1	463.9	483.4	498.5
57.5°	6426.0	6134.3	4967.3	2002.5	716.4	673.2	602.0	440.2	448.8	470.4	487.7
60°	6041.9	5748.5	4574.6	1499.7	638.7	636.6	591.2	435.9	422.9	453.1	468.2
62.5°	4950.1	4708.4	3741.7	958.1	565.4	567.5	567.5	433.7	379.8	418.6	431.6
65°	*3400.7*	*3249.7*	*2645.5*	*593.4*	*461.8*	*483.4*	*515.7*	*420.8*	*334.5*	*379.8*	*392.7*
67.5°	2235.5	2124.6	1681.0	366.8	356.0	397.0	446.7	394.9	299.9	340.9	349.6
70°	1212.7	1128.5	791.9	241.7	233.0	310.7	351.7	334.5	269.7	304.3	312.9
72.5°	800.6	731.5	455.3	170.5	170.5	243.8	246.0	274.0	241.7	269.7	278.4
75°	602.0	540.3	293.5	118.7	131.6	155.4	192.0	196.4	202.8	228.7	239.5
77.5°	276.2	242.5	107.9	71.2	97.1	107.9	146.7	125.2	151.0	170.5	174.8
80°	159.7	139.8	60.4	47.5	62.6	69.1	120.8	73.4	90.6	120.8	127.3
82.5°	66.9	59.6	30.2	32.4	38.8	41.0	66.9	51.8	58.3	79.8	77.7
85°	19.4	19.4	19.4	21.6	23.7	23.7	38.8	36.7	34.5	36.7	36.7
87.5°	12.9	12.9	12.9	12.9	15.1	15.1	17.3	19.4	21.6	21.6	21.6
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1214.9	1214.9	1214.9	1214.9	1214.9	1214.9	1214.9	1214.9	1214.9	1214.9	1214.9
2.5°	1109.1	1094.0	1074.6	1046.5	1042.2	1027.1	1016.3	1027.1	1037.9	1057.3	1059.5
5°	1027.1	1003.4	958.1	923.6	884.7	865.3	863.1	858.8	871.8	899.8	917.1
7.5°	981.8	943.0	861.0	800.6	746.6	727.2	712.1	725.0	722.9	759.6	774.7
10°	971.0	910.6	796.2	705.6	638.7	612.8	597.7	595.6	599.9	621.5	636.6
12.5°	1009.9	932.2	770.3	636.6	558.9	530.8	513.6	498.5	498.5	502.8	522.2
15°	1096.2	1003.4	785.5	604.2	520.0	483.4	455.3	435.9	420.8	422.9	425.1
17.5°	1217.0	1107.0	824.3	593.4	496.3	457.5	422.9	403.5	386.3	381.9	381.9
20°	1312.0	1206.2	854.5	584.8	476.9	427.3	397.0	379.8	364.7	358.2	358.2
22.5°	1322.8	1247.2	880.4	574.0	453.1	397.0	369.0	353.9	343.1	340.9	340.9
25°	1251.5	1214.9	871.8	561.0	429.4	369.0	347.4	334.5	323.7	321.5	323.7
27.5°	1132.9	1113.4	841.6	543.8	410.0	347.4	328.0	317.2	306.4	304.3	306.4
30°	1027.1	1005.5	789.8	515.7	394.9	330.1	308.6	297.8	287.0	287.0	289.1
32.5°	940.8	919.2	738.0	483.4	375.5	310.7	291.3	280.5	269.7	269.7	274.0
35°	863.1	845.9	697.0	451.0	356.0	293.5	271.9	263.3	254.6	252.5	256.8
37.5°	796.2	787.6	660.3	416.5	336.6	276.2	256.8	248.2	237.4	235.2	239.5
40°	731.5	727.2	619.3	386.3	312.9	258.9	239.5	230.9	217.9	217.9	222.3
42.5°	671.1	668.9	582.6	366.8	291.3	241.7	220.1	211.5	200.7	200.7	205.0
45°	623.6	621.5	548.1	356.0	269.7	222.3	202.8	192.0	183.4	185.6	189.9
47.5°	580.5	576.1	511.4	358.2	258.9	209.3	183.4	172.6	166.2	170.5	176.9
50°	545.9	541.6	485.5	360.4	241.7	192.0	168.3	157.5	153.2	159.7	166.2
52.5°	524.4	520.0	459.6	347.4	220.1	179.1	153.2	146.7	146.7	153.2	157.5
55°	502.8	498.5	416.5	319.4	196.4	166.2	142.4	138.1	138.1	144.6	148.9
57.5°	489.8	481.2	371.1	287.0	176.9	151.0	131.6	131.6	131.6	133.8	135.9
60°	470.4	448.8	323.7	246.0	161.8	135.9	123.0	120.8	120.8	118.7	120.8
62.5°	429.4	392.7	271.9	209.3	144.6	123.0	112.2	110.0	103.6	97.1	99.3
65°	*388.4*	*332.3*	*215.8*	*174.8*	*125.2*	*105.7*	*99.3*	*97.1*	*86.3*	*77.7*	*79.8*
67.5°	336.6	265.4	161.8	146.7	107.9	90.6	84.2	84.2	77.7	71.2	71.2
70°	299.9	207.2	135.9	110.0	86.3	71.2	71.2	75.5	69.1	60.4	60.4
72.5°	265.4	168.3	110.0	88.5	66.9	56.1	60.4	62.6	56.1	49.6	49.6
75°	226.6	131.6	86.3	69.1	49.6	43.2	45.3	49.6	45.3	38.8	41.0
77.5°	164.0	90.6	58.3	45.3	36.7	32.4	34.5	34.5	32.4	30.2	30.2
80°	114.4	60.4	38.8	30.2	25.9	23.7	23.7	21.6	21.6	23.7	23.7
82.5°	69.1	43.2	28.1	23.7	19.4	15.1	15.1	17.3	17.3	19.4	19.4
85°	30.2	25.9	19.4	17.3	12.9	10.8	12.9	12.9	15.1	17.3	17.3
87.5°	19.4	19.4	15.1	12.9	10.8	8.6	8.6	10.8	10.8	12.9	15.1
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°	1214.9	1214.9	1214.9	1214.9	1214.9	1214.9	1214.9	1214.9	1214.9	1214.9	1214.9
2.5°	1068.1	1089.7	1115.6	1152.3	1184.6	1223.5	1262.3	1299.0	1333.5	1337.9	1353.0
5°	930.0	971.0	1022.8	1083.2	1156.6	1234.3	1309.8	1389.6	1454.4	1478.1	1512.6
7.5°	787.6	839.4	914.9	1007.7	1111.3	1227.8	1344.3	1456.5	1553.6	1599.0	1644.3
10°	651.7	701.3	794.1	906.3	1040.1	1197.6	1353.0	1504.0	1622.7	1674.5	1717.6
12.5°	528.7	578.3	653.8	783.3	945.1	1135.0	1340.0	1521.3	1652.9	1706.8	1747.8
15°	431.6	472.6	543.8	664.6	835.1	1048.7	1294.7	1508.3	1659.4	1711.2	1741.4
17.5°	379.8	390.6	435.9	545.9	731.5	971.0	1236.4	1491.1	1663.7	1711.2	1728.4
20°	358.2	358.2	366.8	425.1	606.4	889.0	1193.3	1480.3	1670.2	1717.6	1715.5
22.5°	338.8	343.1	343.1	356.0	461.8	774.7	1148.0	1476.0	1689.6	1726.3	1696.1
25°	321.5	328.0	328.0	332.3	362.5	638.7	1091.9	1484.6	1724.1	1743.5	1683.1
27.5°	306.4	312.9	312.9	317.2	323.7	474.7	999.1	1486.7	1762.9	1765.1	1665.8
30°	291.3	297.8	302.1	302.1	306.4	349.6	882.6	1473.8	1806.1	1793.2	1663.7
32.5°	274.0	282.7	284.8	289.1	291.3	304.3	731.5	1452.2	1860.1	1832.0	1665.8
35°	258.9	269.7	271.9	271.9	276.2	289.1	584.8	1428.5	1933.4	1883.8	1674.5
37.5°	243.8	252.5	254.6	256.8	261.1	274.0	463.9	1394.0	1996.0	1948.5	1717.6
40°	226.6	237.4	239.5	241.7	246.0	258.9	399.2	1350.8	2090.9	2056.4	1782.4
42.5°	209.3	220.1	224.4	226.6	228.7	246.0	364.7	1320.6	2244.1	2207.5	1914.0
45°	194.2	205.0	209.3	209.3	213.6	237.4	334.5	1387.5	2455.6	2438.3	2090.9
47.5°	181.3	192.0	194.2	194.2	196.4	224.4	308.6	1566.6	2779.3	2734.0	2367.1
50°	170.5	179.1	183.4	179.1	181.3	213.6	323.7	1862.2	3193.6	3208.7	2772.8
52.5°	161.8	170.5	172.6	164.0	164.0	198.5	343.1	2103.9	3722.3	3860.4	3415.8
55°	151.0	159.7	161.8	151.0	151.0	174.8	297.8	2119.0	4324.3	4768.8	4253.1
57.5°	140.3	148.9	148.9	140.3	138.1	151.0	241.7	1879.5	4790.4	5798.1	5398.9
60°	127.3	135.9	133.8	129.5	125.2	138.1	222.3	1432.8	4727.8	6469.2	6713.0
62.5°	103.6	116.5	120.8	118.7	110.0	125.2	207.2	934.3	4091.2	5886.6	6672.0
65°	*86.3*	*97.1*	*103.6*	*103.6*	*97.1*	*138.1*	*181.3*	*492.0*	*3275.6*	*4995.4*	*5882.2*
67.5°	75.5	86.3	90.6	88.5	84.2	123.0	114.4	237.4	2511.7	4304.9	5265.1
70°	66.9	75.5	79.8	73.4	69.1	99.3	82.0	140.3	1681.0	3592.8	4689.0
72.5°	53.9	62.6	66.9	60.4	53.9	73.4	62.6	92.8	1094.0	3062.0	4166.8
75°	43.2	51.8	53.9	49.6	43.2	53.9	49.6	64.7	714.2	2533.3	3543.2
77.5°	32.4	36.7	41.0	38.8	32.4	38.8	34.5	45.3	407.8	1778.1	2485.8
80°	25.9	28.1	28.1	28.1	25.9	23.7	23.7	30.2	183.4	876.1	1296.9
82.5°	21.6	23.7	23.7	21.6	19.4	17.3	15.1	17.3	53.9	392.7	597.7
85°	19.4	21.6	17.3	15.1	12.9	10.8	6.5	6.5	15.1	62.6	116.5
87.5°	15.1	12.9	10.8	8.6	4.3	2.2	2.2	0.0	2.2	2.2	2.2
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: P1364578
CATALOG NUMBER: GSS-SB1D-730-U-SLR-HSS

CANDELA DISTRIBUTION (continued):

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	1214.9	1214.9	1214.9	1214.9	1214.9	1214.9	1214.9	1214.9	1214.9	1214.9
2.5°	1376.7	1398.3	1413.4	1426.3	1422.0	1411.2	1389.6	1374.5	1371.1	1370.2
5°	1558.0	1592.5	1622.7	1618.4	1622.7	1590.3	1558.0	1519.1	1503.6	1499.7
7.5°	1709.0	1752.2	1788.8	1784.5	1771.6	1734.9	1681.0	1622.7	1595.1	1588.2
10°	1791.0	1840.6	1870.8	1860.1	1838.5	1791.0	1737.1	1668.0	1636.9	1629.2
12.5°	1806.1	1838.5	1832.0	1827.7	1823.4	1799.6	1758.6	1696.1	1665.0	1657.2
15°	1767.3	1754.3	1717.6	1709.0	1741.4	1771.6	1762.9	1711.2	1681.8	1674.5
17.5°	1702.5	1635.6	1568.7	1560.1	1614.1	1698.2	1765.1	1734.9	1707.3	1700.4
20°	1631.3	1506.2	1432.8	1417.7	1484.6	1609.7	1741.4	1758.6	1739.6	1734.9
22.5°	1547.2	1400.4	1322.8	1314.1	1363.7	1510.5	1706.8	1784.5	1775.9	1773.7
25°	1473.8	1307.6	1234.3	1221.3	1286.1	1428.5	1672.3	1827.7	1822.5	1821.2
27.5°	1413.4	1240.8	1163.1	1154.4	1217.0	1359.4	1629.2	1864.4	1881.6	1885.9
30°	1365.9	1191.1	1113.4	1102.7	1171.7	1312.0	1599.0	1916.2	1949.0	1957.2
32.5°	1329.2	1163.1	1089.7	1083.2	1156.6	1292.5	1581.7	1970.1	2037.4	2054.3
35°	1316.3	1171.7	1122.1	1137.2	1193.3	1312.0	1594.6	2058.6	2151.8	2175.1
37.5°	1344.3	1266.6	1301.2	1340.0	1361.6	1404.7	1655.1	2201.0	2321.8	2352.0
40°	1435.0	1521.3	1683.1	1758.6	1750.0	1650.7	1793.2	2401.7	2574.3	2617.4
42.5°	1665.8	1946.4	2289.5	2416.8	2343.4	2043.5	2013.3	2731.8	2928.6	2977.8
45°	2008.9	2459.9	3023.1	3310.1	3057.6	2541.9	2360.7	3202.2	3392.1	3439.6
47.5°	2352.0	3033.9	3929.4	4270.3	3774.0	3036.1	2816.0	3765.4	3936.3	3979.0
50°	2701.6	3668.3	4833.5	5288.8	4488.3	3538.8	3299.3	4460.2	4584.5	4615.6
52.5°	3062.0	4235.8	5830.5	6223.2	5234.9	3927.3	3851.7	5217.6	5291.9	5310.4
55°	3463.3	4773.1	6829.5	7146.7	5914.6	4266.0	4499.1	6009.6	5990.6	5985.8
57.5°	3998.5	5338.5	7634.4	8076.8	6531.8	4723.5	5364.4	6890.0	6518.8	6426.0
60°	4932.8	6216.7	8635.6	9116.8	7358.2	5392.4	6000.9	6870.5	6207.6	6041.9
62.5°	6016.0	7062.6	9541.9	9947.6	8227.8	6057.0	5493.8	5770.0	5114.1	4950.1
65°	5226.3	6913.7	9570.0	9986.4	8260.2	5651.4	4061.0	4091.2	3538.8	3400.7
67.5°	4447.3	6128.2	8715.5	9043.5	7369.0	4671.7	2693.0	2669.2	2322.3	2235.5
70°	3959.6	5368.7	7511.4	7228.7	6195.1	3948.8	1788.8	1482.4	1266.6	1212.7
72.5°	3558.3	4259.6	6087.2	4982.4	5140.0	3213.0	1137.2	1009.9	842.4	800.6
75°	3221.6	3523.7	3797.8	3443.9	3651.1	2647.7	964.6	779.0	637.4	602.0
77.5°	2563.5	2742.6	2248.5	2183.7	2557.0	1883.8	479.0	328.0	286.6	276.2
80°	1525.6	1296.9	1275.3	1454.4	1702.5	977.5	293.5	181.3	164.0	159.7
82.5°	923.6	468.2	509.2	643.0	906.3	444.5	174.8	77.7	69.1	66.9
85°	155.4	127.3	196.4	187.7	176.9	94.9	47.5	21.6	19.9	19.4
87.5°	4.3	6.5	8.6	10.8	10.8	10.8	10.8	10.8	12.5	12.9
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

LM-79-2019: Approved Method: Electrical and Photometric Measurements of Solid-State Lighting Products

Report Prepared for

Cooper Lighting Solutions

McGraw-Edison

Report Number: SP1-2407-184-4

Test Date: 10/10/2024

Luminaire Tested: GSS-SB1A-730-U-5WQ

Data in this report applies to families of products including GSS-SB1A-730-U-5WQ

Report Generated By FNC07603 / LDUCLS01DT446
Version: v7.04

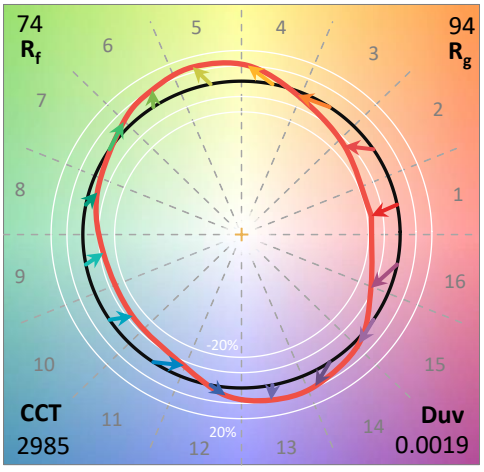
Test Information

Test Method:	LM-79-2019
Report Number:	SP1-2407-184-4
Test Lab:	COOPER LIGHTING SOLUTIONS
Photometer:	SP1 - 76IN SPHERE
Measurement Geometry:	4π
Issue Date:	10/15/2024
Manufacturer:	COOPER LIGHTING SOLUTIONS
Product Line:	McGraw-Edison
Catalog Number:	**GSS-SB1A-730-U-5WQ**
Description:	GALLEON II SITE SLIM 1SQ 350MA 5WQ HIGH DENSITY LIGHTSQUARE WITH 70 CRI 3000K CCT 26 LEDS

Spectral Parameters

CCT (K):	2985
CIE u':	0.2504
CIE v':	0.5243
Duv:	0.0019
CIE x:	0.4408
CIE y:	0.4101
CIE z:	0.1491
Peak Wavelength (nm):	595
Dominant Wavelength (nm):	582
Purity:	55.41818
Rf:	73.8
Rg:	94.4

CRI (Ra):	70.8
R1:	66.3
R2:	80.6
R3:	94.5
R4:	68.2
R5:	66.5
R6:	74.7
R7:	76.2
R8:	39.6
R9:	-43.2
R10:	57.6
R11:	64.8
R12:	53.5
R13:	68.7
R14:	97.0
R15:	56.4



Test Conditions

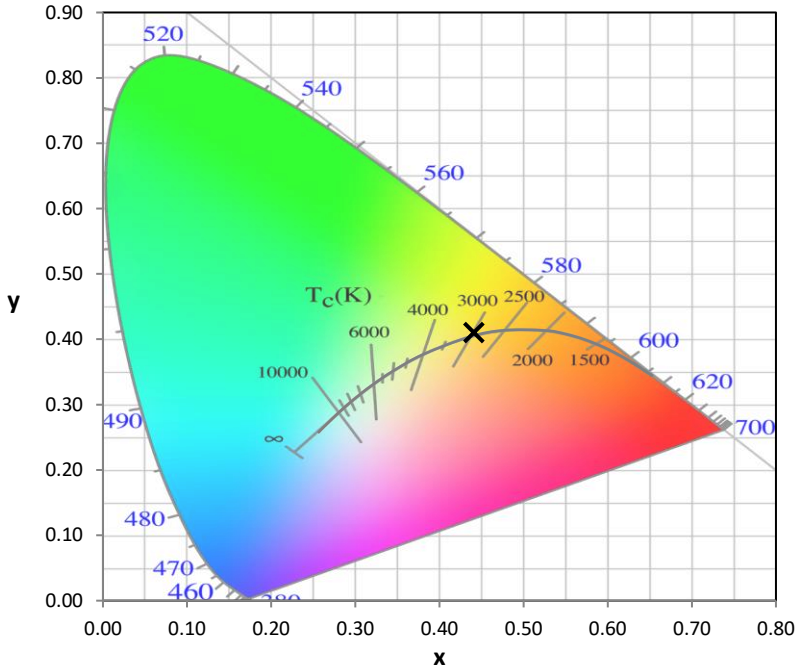
Stabilization Time:	36M
Operation Time:	1H 36M
Sphere Temperature (°C):	25.2

REPORT NUMBER: SP1-2407-184-4

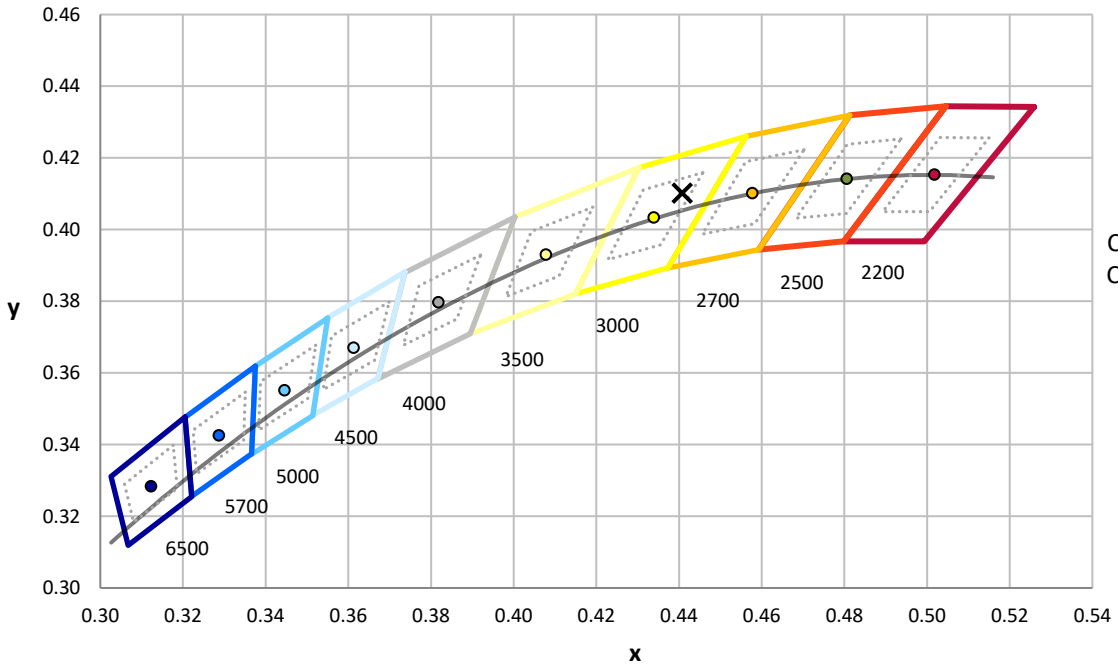
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

REPORT NUMBER: SP1-2407-184-4

CIE 1931 Chromaticity Diagram



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

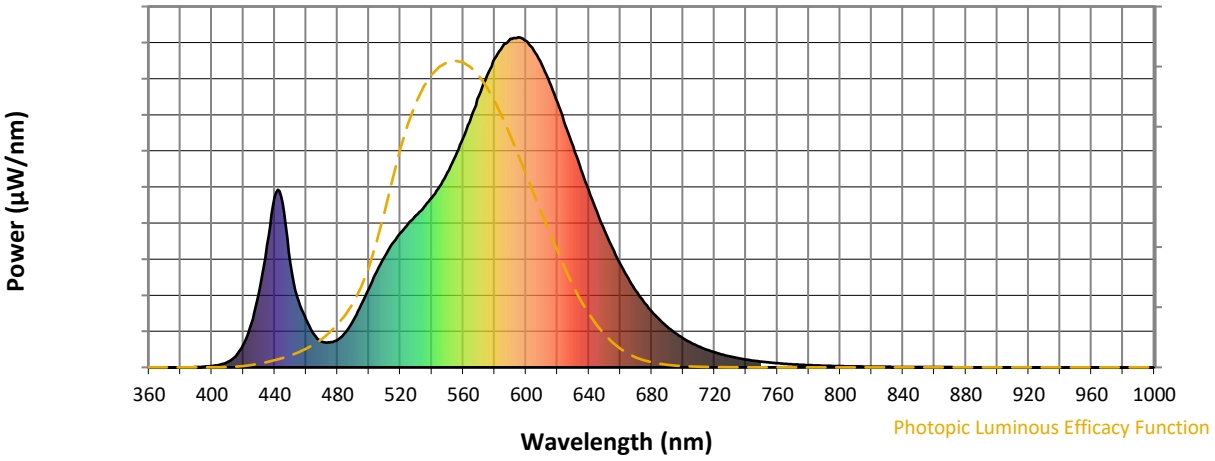


CCT = 2985K
CIE x = 0.4408
CIE y = 0.4101
Duv = 0.0019

Point lies inside the ANSI 3000K 4-step quadrangle

REPORT NUMBER: SP1-2407-184-4

Photopic Flux vs. Wavelength

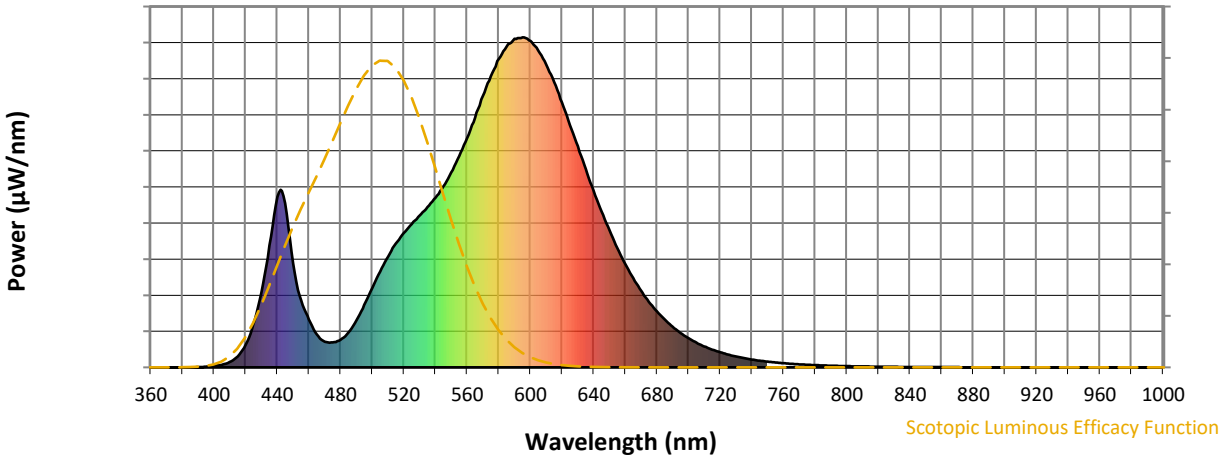


Photopic Lumens: NR

λ (nm)	Power W^/nm	Lumens (ϕ/nm)	λ (nm)	Power W^/nm	Lumens (ϕ/nm)	λ (nm)	Power W^/nm	Lumens (ϕ/nm)	λ (nm)	Power W^/nm	Lumens (ϕ/nm)	λ (nm)	Power W^/nm	Lumens (ϕ/nm)
360	0	NR	490	142	NR	620	803	NR	750	17	NR	880	0	NR
365	0	NR	495	189	NR	625	734	NR	755	15	NR	885	0	NR
370	0	NR	500	240	NR	630	670	NR	760	13	NR	890	0	NR
375	0	NR	505	290	NR	635	600	NR	765	11	NR	895	0	NR
380	0	NR	510	335	NR	640	535	NR	770	9	NR	900	0	NR
385	0	NR	515	375	NR	645	473	NR	775	8	NR	905	0	NR
390	1	NR	520	408	NR	650	415	NR	780	7	NR	910	0	NR
395	2	NR	525	434	NR	655	362	NR	785	6	NR	915	0	NR
400	4	NR	530	461	NR	660	313	NR	790	5	NR	920	0	NR
405	8	NR	535	486	NR	665	271	NR	795	4	NR	925	0	NR
410	16	NR	540	514	NR	670	231	NR	800	4	NR	930	0	NR
415	33	NR	545	549	NR	675	198	NR	805	3	NR	935	0	NR
420	69	NR	550	591	NR	680	169	NR	810	3	NR	940	0	NR
425	131	NR	555	640	NR	685	144	NR	815	2	NR	945	0	NR
430	227	NR	560	695	NR	690	123	NR	820	2	NR	950	0	NR
435	369	NR	565	757	NR	695	104	NR	825	2	NR	955	0	NR
440	517	NR	570	822	NR	700	88	NR	830	2	NR	960	0	NR
445	498	NR	575	882	NR	705	75	NR	835	1	NR	965	0	NR
450	315	NR	580	935	NR	710	63	NR	840	1	NR	970	0	NR
455	204	NR	585	972	NR	715	54	NR	845	1	NR	975	0	NR
460	145	NR	590	996	NR	720	46	NR	850	1	NR	980	0	NR
465	100	NR	595	1000	NR	725	39	NR	855	1	NR	985	0	NR
470	78	NR	600	989	NR	730	33	NR	860	1	NR	990	0	NR
475	76	NR	605	960	NR	735	28	NR	865	1	NR	995	0	NR
480	83	NR	610	918	NR	740	24	NR	870	1	NR	1000	0	NR
485	105	NR	615	864	NR	745	20	NR	875	1	NR			

REPORT NUMBER: SP1-2407-184-4

Scotopic Flux vs. Wavelength

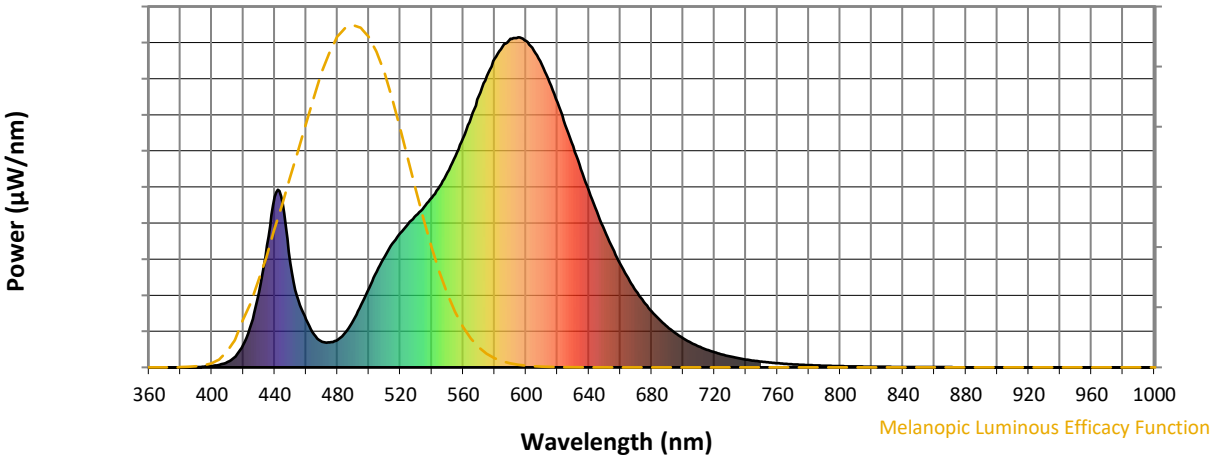


Scotopic Lumens: NR **S/P: 1.19**

λ (nm)	Power W^/nm	Lumens (ϕ/nm)	λ (nm)	Power W^/nm	Lumens (ϕ/nm)	λ (nm)	Power W^/nm	Lumens (ϕ/nm)	λ (nm)	Power W^/nm	Lumens (ϕ/nm)	λ (nm)	Power W^/nm	Lumens (ϕ/nm)
360	0	NR	490	142	NR	620	803	NR	750	17	NR	880	0	NR
365	0	NR	495	189	NR	625	734	NR	755	15	NR	885	0	NR
370	0	NR	500	240	NR	630	670	NR	760	13	NR	890	0	NR
375	0	NR	505	290	NR	635	600	NR	765	11	NR	895	0	NR
380	0	NR	510	335	NR	640	535	NR	770	9	NR	900	0	NR
385	0	NR	515	375	NR	645	473	NR	775	8	NR	905	0	NR
390	1	NR	520	408	NR	650	415	NR	780	7	NR	910	0	NR
395	2	NR	525	434	NR	655	362	NR	785	6	NR	915	0	NR
400	4	NR	530	461	NR	660	313	NR	790	5	NR	920	0	NR
405	8	NR	535	486	NR	665	271	NR	795	4	NR	925	0	NR
410	16	NR	540	514	NR	670	231	NR	800	4	NR	930	0	NR
415	33	NR	545	549	NR	675	198	NR	805	3	NR	935	0	NR
420	69	NR	550	591	NR	680	169	NR	810	3	NR	940	0	NR
425	131	NR	555	640	NR	685	144	NR	815	2	NR	945	0	NR
430	227	NR	560	695	NR	690	123	NR	820	2	NR	950	0	NR
435	369	NR	565	757	NR	695	104	NR	825	2	NR	955	0	NR
440	517	NR	570	822	NR	700	88	NR	830	2	NR	960	0	NR
445	498	NR	575	882	NR	705	75	NR	835	1	NR	965	0	NR
450	315	NR	580	935	NR	710	63	NR	840	1	NR	970	0	NR
455	204	NR	585	972	NR	715	54	NR	845	1	NR	975	0	NR
460	145	NR	590	996	NR	720	46	NR	850	1	NR	980	0	NR
465	100	NR	595	1000	NR	725	39	NR	855	1	NR	985	0	NR
470	78	NR	600	989	NR	730	33	NR	860	1	NR	990	0	NR
475	76	NR	605	960	NR	735	28	NR	865	1	NR	995	0	NR
480	83	NR	610	918	NR	740	24	NR	870	1	NR	1000	0	NR
485	105	NR	615	864	NR	745	20	NR	875	1	NR			

REPORT NUMBER: SP1-2407-184-4

Melanopic Flux vs. Wavelength



Melanopic Lumens: NR **M/P: 2.13**

λ (nm)	Power W^/nm	Lumens (ϕ/nm)	λ (nm)	Power W^/nm	Lumens (ϕ/nm)	λ (nm)	Power W^/nm	Lumens (ϕ/nm)	λ (nm)	Power W^/nm	Lumens (ϕ/nm)	λ (nm)	Power W^/nm	Lumens (ϕ/nm)
360	0	NR	490	142	NR	620	803	NR	750	17	NR	880	0	NR
365	0	NR	495	189	NR	625	734	NR	755	15	NR	885	0	NR
370	0	NR	500	240	NR	630	670	NR	760	13	NR	890	0	NR
375	0	NR	505	290	NR	635	600	NR	765	11	NR	895	0	NR
380	0	NR	510	335	NR	640	535	NR	770	9	NR	900	0	NR
385	0	NR	515	375	NR	645	473	NR	775	8	NR	905	0	NR
390	1	NR	520	408	NR	650	415	NR	780	7	NR	910	0	NR
395	2	NR	525	434	NR	655	362	NR	785	6	NR	915	0	NR
400	4	NR	530	461	NR	660	313	NR	790	5	NR	920	0	NR
405	8	NR	535	486	NR	665	271	NR	795	4	NR	925	0	NR
410	16	NR	540	514	NR	670	231	NR	800	4	NR	930	0	NR
415	33	NR	545	549	NR	675	198	NR	805	3	NR	935	0	NR
420	69	NR	550	591	NR	680	169	NR	810	3	NR	940	0	NR
425	131	NR	555	640	NR	685	144	NR	815	2	NR	945	0	NR
430	227	NR	560	695	NR	690	123	NR	820	2	NR	950	0	NR
435	369	NR	565	757	NR	695	104	NR	825	2	NR	955	0	NR
440	517	NR	570	822	NR	700	88	NR	830	2	NR	960	0	NR
445	498	NR	575	882	NR	705	75	NR	835	1	NR	965	0	NR
450	315	NR	580	935	NR	710	63	NR	840	1	NR	970	0	NR
455	204	NR	585	972	NR	715	54	NR	845	1	NR	975	0	NR
460	145	NR	590	996	NR	720	46	NR	850	1	NR	980	0	NR
465	100	NR	595	1000	NR	725	39	NR	855	1	NR	985	0	NR
470	78	NR	600	989	NR	730	33	NR	860	1	NR	990	0	NR
475	76	NR	605	960	NR	735	28	NR	865	1	NR	995	0	NR
480	83	NR	610	918	NR	740	24	NR	870	1	NR	1000	0	NR
485	105	NR	615	864	NR	745	20	NR	875	1	NR			

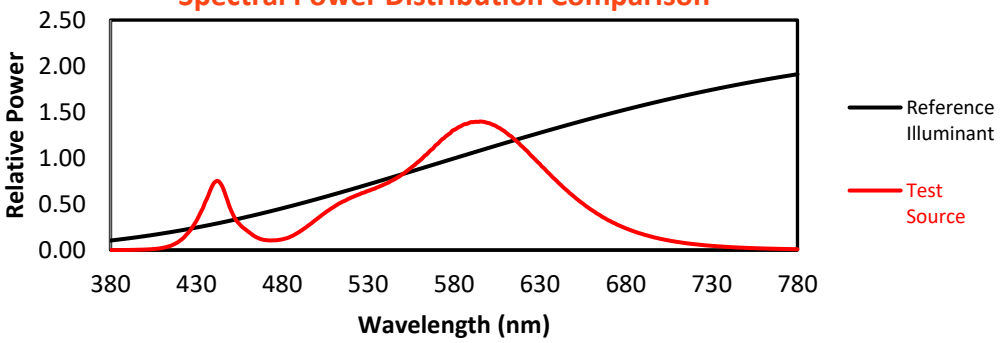
REPORT NUMBER: SP1-2407-184-4

TM-30-18

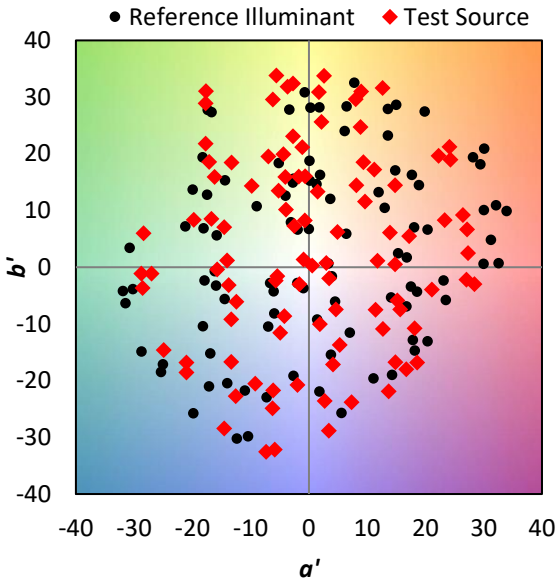
Summary

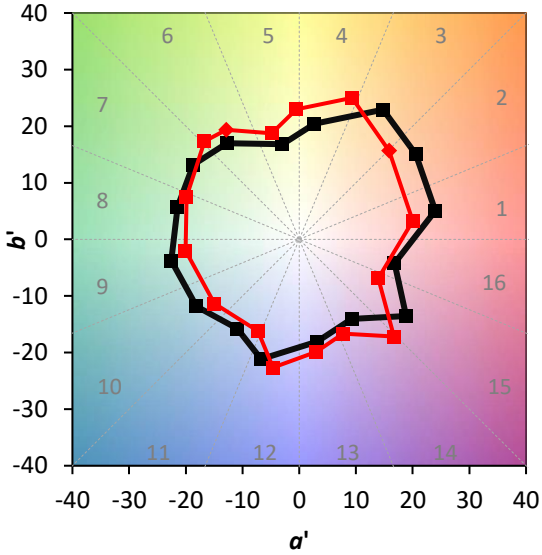
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R_g = 94.4
CIE R_a = 70.8
R_9 = -43.2

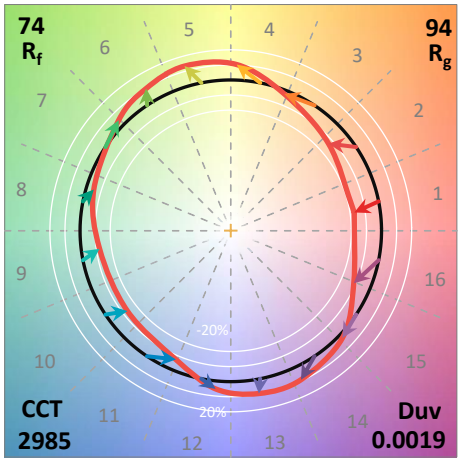
Spectral Power Distribution Comparison

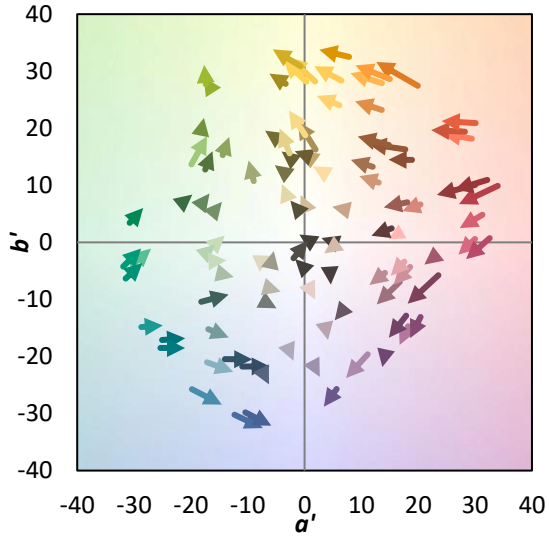


Color Vector Graphics







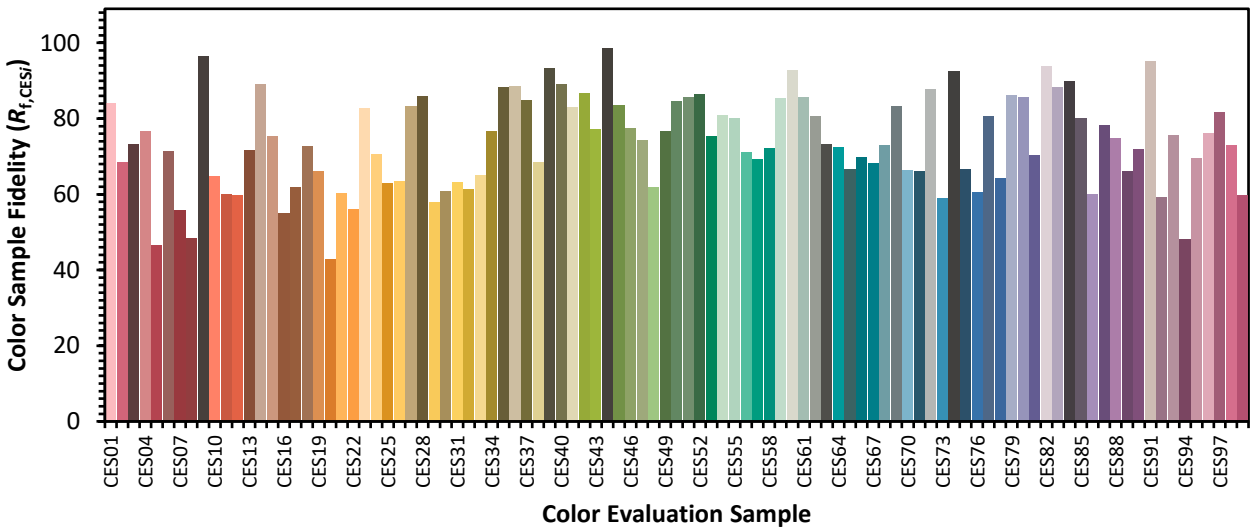


REPORT NUMBER: SP1-2407-184-4

TM-30-18

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

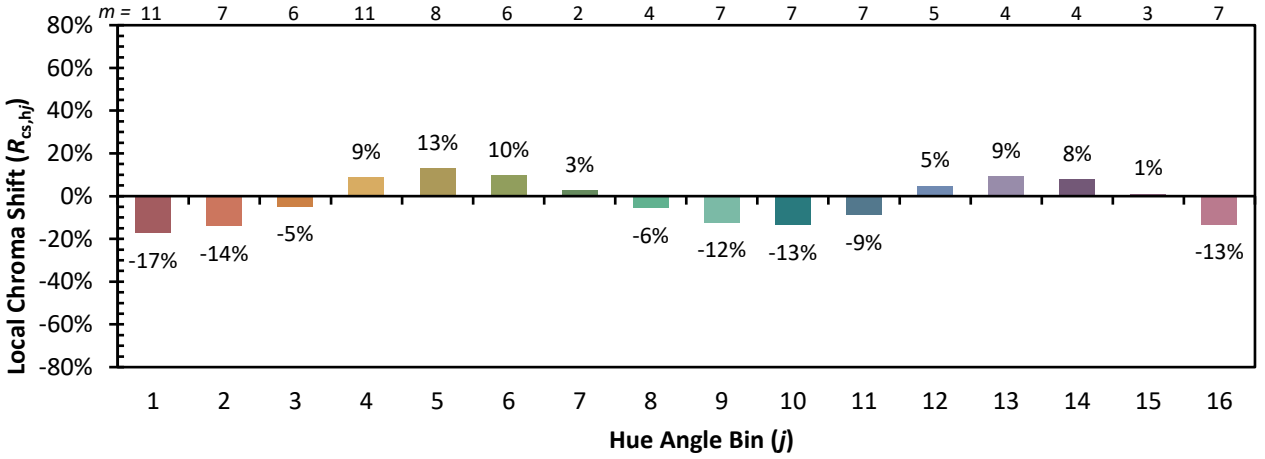
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CES02 = 62	CES27 = 83	CES52 = 86	CES77 = 81
CES03 = 31	CES28 = 86	CES53 = 75	CES78 = 64
CES04 = 71	CES29 = 58	CES54 = 81	CES79 = 86
CES05 = 49	CES30 = 61	CES55 = 80	CES80 = 86
CES06 = 51	CES31 = 63	CES56 = 71	CES81 = 70
CES07 = 41	CES32 = 61	CES57 = 69	CES82 = 94
CES08 = 40	CES33 = 65	CES58 = 72	CES83 = 88
CES09 = 29	CES34 = 77	CES59 = 85	CES84 = 90
CES10 = 76	CES35 = 88	CES60 = 93	CES85 = 80
CES11 = 59	CES36 = 89	CES61 = 86	CES86 = 60
CES12 = 65	CES37 = 85	CES62 = 81	CES87 = 78
CES13 = 43	CES38 = 69	CES63 = 73	CES88 = 75
CES14 = 74	CES39 = 93	CES64 = 72	CES89 = 66
CES15 = 71	CES40 = 89	CES65 = 67	CES90 = 72
CES16 = 47	CES41 = 83	CES66 = 70	CES91 = 95
CES17 = 50	CES42 = 87	CES67 = 68	CES92 = 59
CES18 = 56	CES43 = 77	CES68 = 73	CES93 = 76
CES19 = 73	CES44 = 99	CES69 = 83	CES94 = 48
CES20 = 66	CES45 = 83	CES70 = 66	CES95 = 70
CES21 = 87	CES46 = 77	CES71 = 66	CES96 = 76
CES22 = 79	CES47 = 74	CES72 = 88	CES97 = 82
CES23 = 92	CES48 = 62	CES73 = 59	CES98 = 73
CES24 = 91	CES49 = 77	CES74 = 93	CES99 = 60
CES25 = 73	CES50 = 85	CES75 = 67	

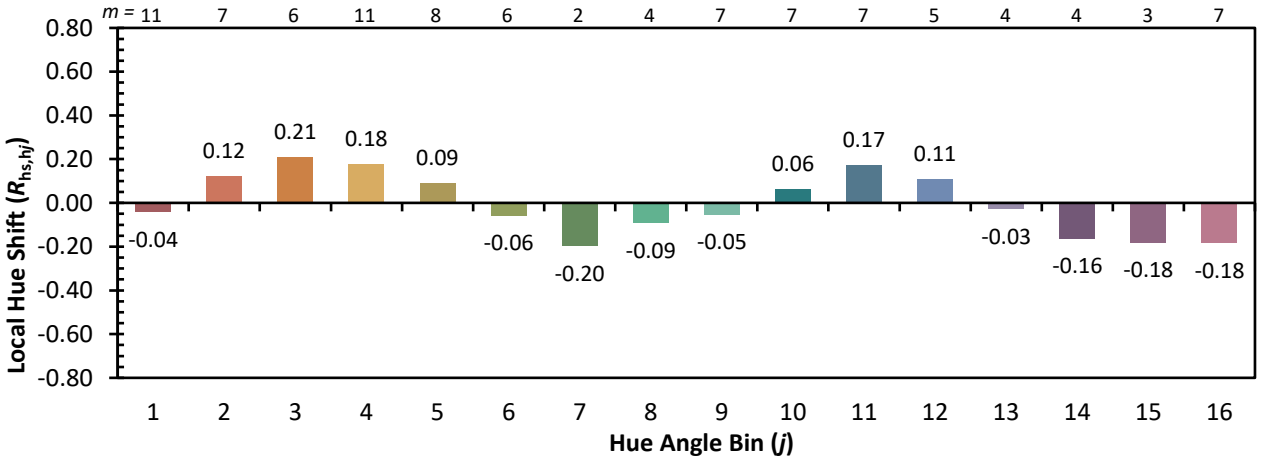


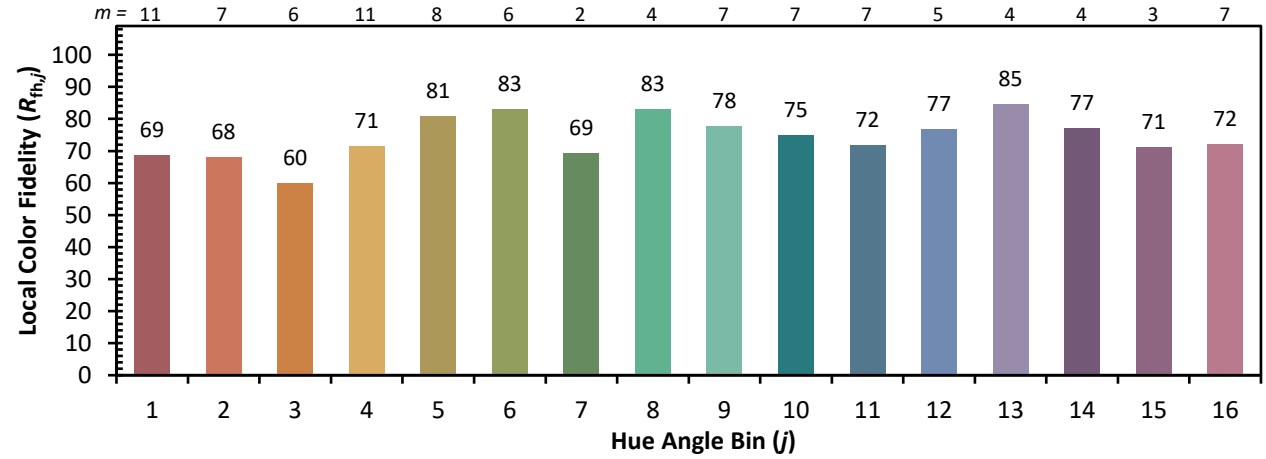
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Color Rendition by Hue-Angle Bin



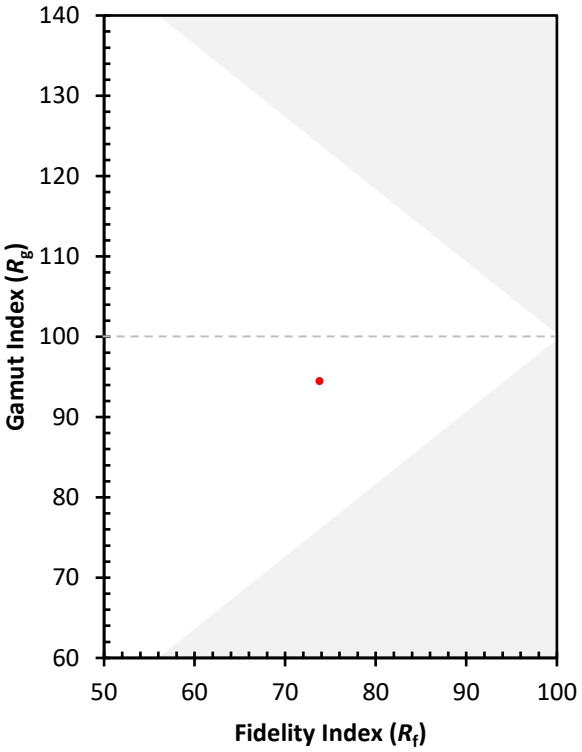


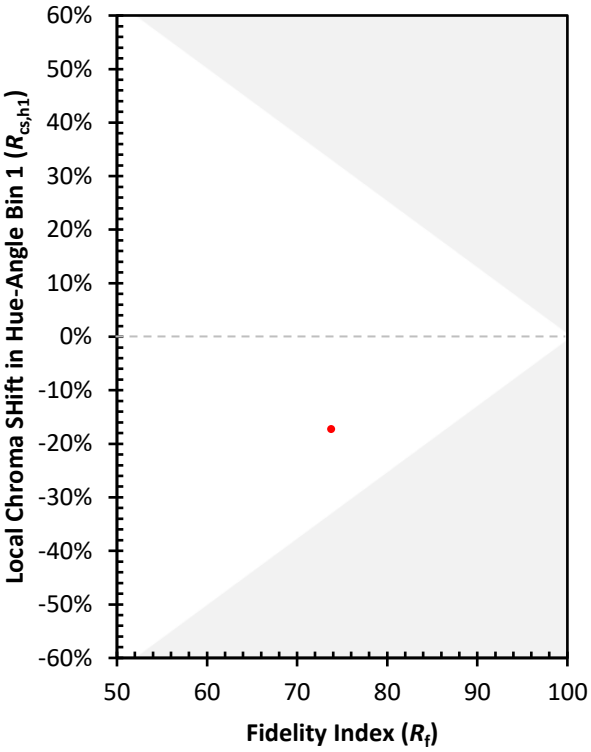


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Measure Comparisons





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