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: P1365347

Luminaire Tested: **GSS-SB2A-730-U-SLL-HSS**

Issue Date: 02/18/2026

Report Generated By 670245763

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

Scaled Data Report

Test Information

Test Method:	LM-79-08
Report Number:	P1365347
Test Lab:	INNOVATION CENTER(G1)
Issue Date:	02/18/2026
Manufacturer:	COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line:	McGRAW-EDISON
Catalog Number:	GSS-SB2A-730-U-SLL-HSS
Description:	GALLEON II SLIM SITE HIGH DENSITY LED ARRAYS 2SQUARE 58W 70CRI 3000K FIXTURE w/ 90° Spill Light Eliminator LETT OPTIC OPTIC AND HOUSE SIDE SHIELD
Light Source:	(52) 3000K CCT, 70 CRI LEDS
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	6287.5 lumens
Efficiency:	N/A
Efficacy:	108.4 lumens/watt
Luminous Opening:	Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification:	Type III - Short
BUG Rating:	B1 - U0 - G2

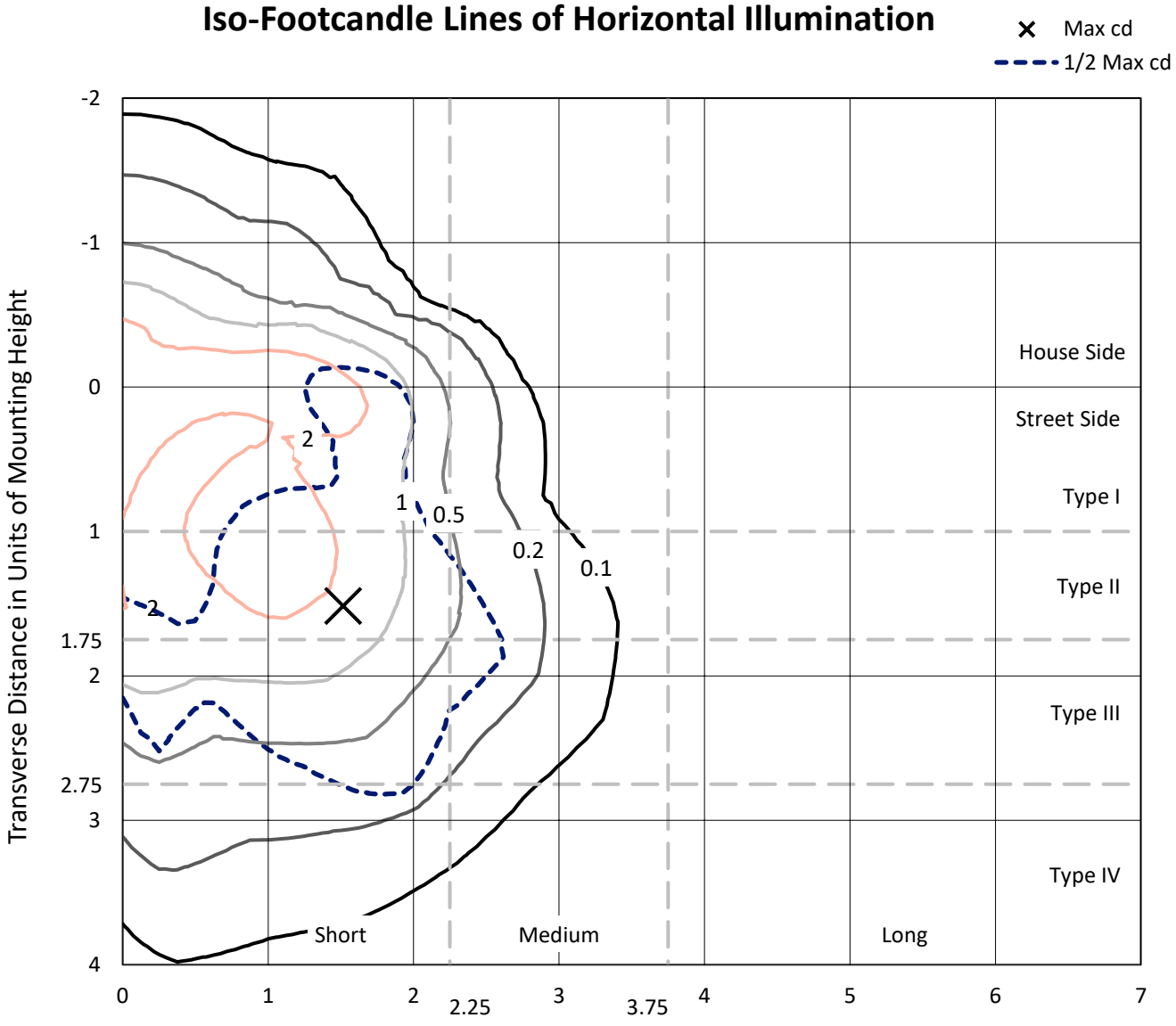
Input Watts (W):	58
Input Voltage (V):	120
Input Current (Ain):	NR
Voltage Rise (V):	NR
Power Factor:	0.98
Total Harmonic Distortion (THDi):	9.0%
Frequency (hertz):	60
Stabilization Time:	NR
Operation Time:	NR
Ambient Temperature (°C):	NR
Test Distance:	28.75 FT

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

Scaled Data Report

REPORT NUMBER: P1365347
CATALOG NUMBER: GSS-SB2A-730-U-SLL-HSS

Iso-Footcandle Lines of Horizontal Illumination



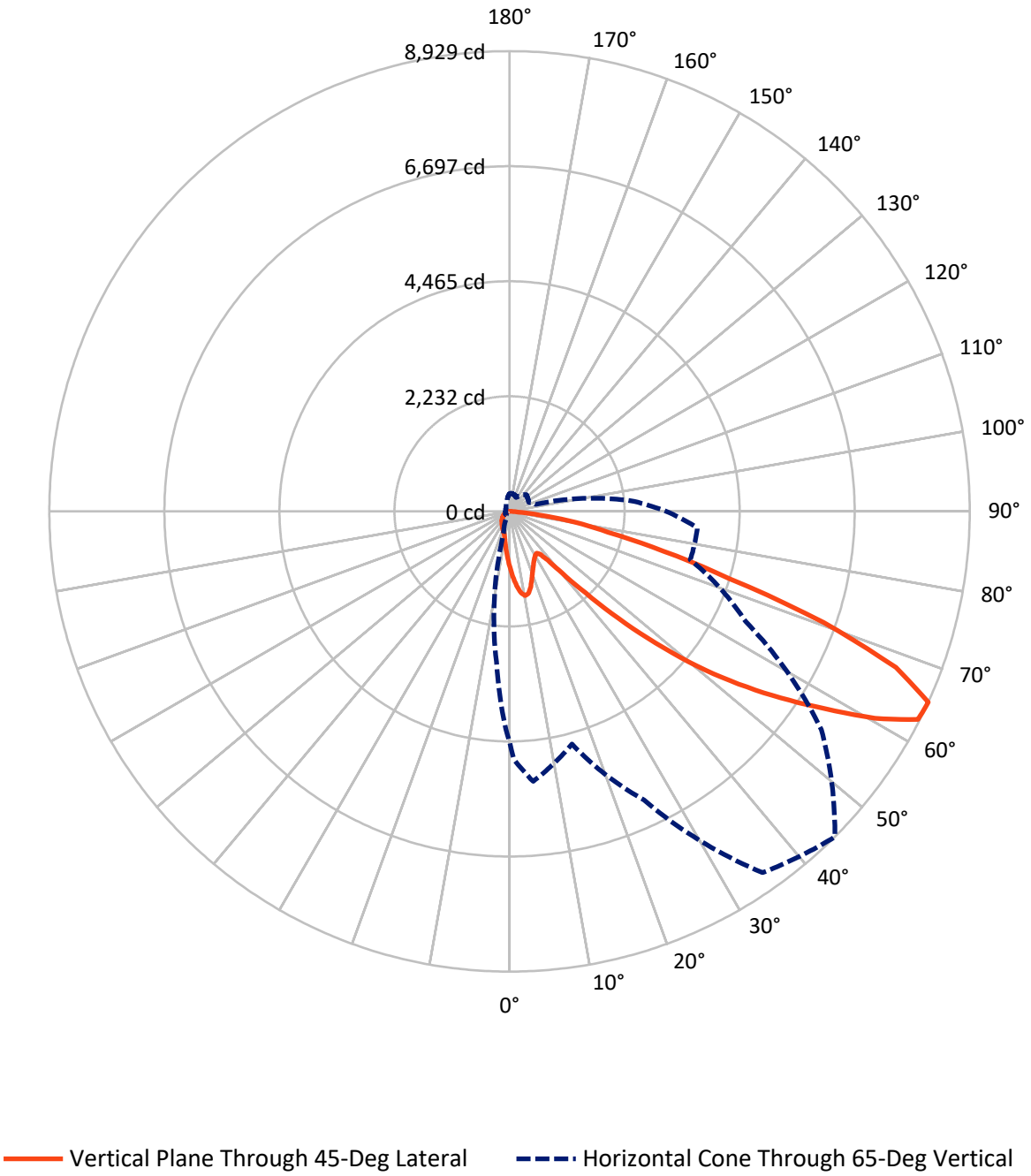
Based on 20 foot mounting height. Maximum calculated value = 4 fc
Type III - Short - N/A

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

Scaled Data Report

REPORT NUMBER: P1365347
CATALOG NUMBER: GSS-SB2A-730-U-SLL-HSS

Luminous Intensity Polar Plot



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

Scaled Data Report

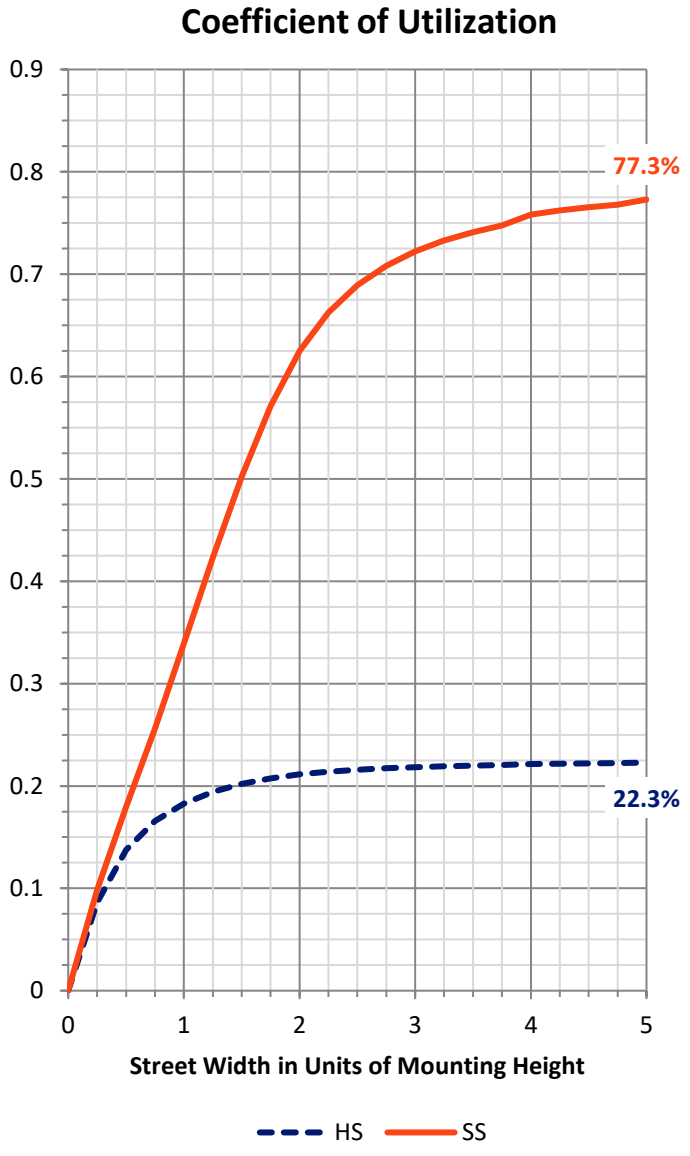
REPORT NUMBER: P1365347
CATALOG NUMBER: GSS-SB2A-730-U-SLL-HSS

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1414.3	0.0	1414.3
	% Fixture	22.5	0.0	22.5
Street Side	Lumens	4873.1	0.0	4873.1
	% Fixture	77.5	0.0	77.5
Total	Lumens	6287.5	0.0	6287.5
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	104.4	1.7
10°-20°	288.7	4.6
20°-30°	413.5	6.6
30°-40°	518.7	8.3
40°-50°	852.1	13.6
50°-60°	1538.5	24.5
60°-70°	1708.0	27.2
70°-80°	772.1	12.3
80°-90°	91.4	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°	6287.5	100.0
0°-180°	6287.5	100.0



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

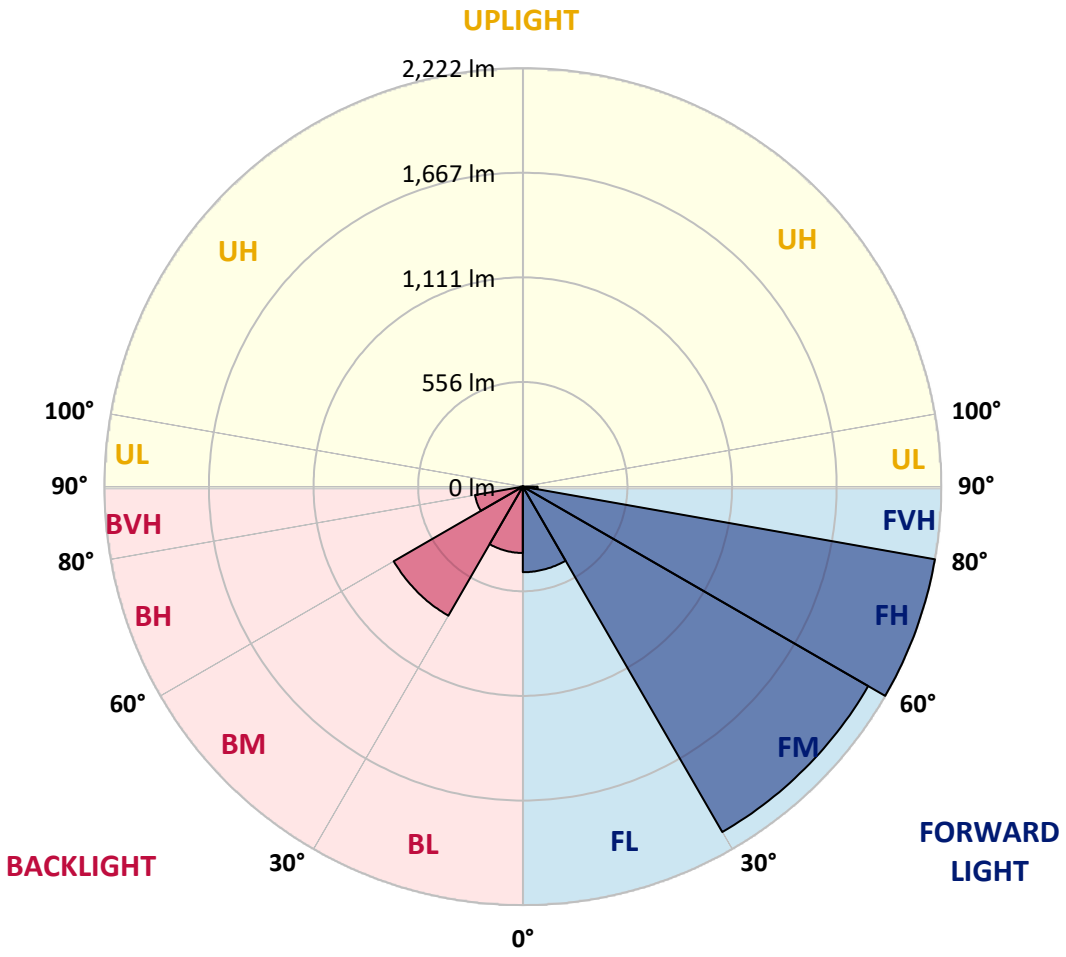
Scaled Data Report

REPORT NUMBER: P1365347
CATALOG NUMBER: GSS-SB2A-730-U-SLL-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	454.2	7.2			
FM	(30°-60°)	2118.0	33.7			
FH	(60°-80°)	2222.4	35.3			G2/5000
FVH	(80°-90°)	78.5	1.2			G1/100
BL	(0°-30°)	352.5	5.6	B1/500		
BM	(30°-60°)	791.4	12.6	B1/1000		
BH	(60°-80°)	257.6	4.1	B1/500		G1/500
BVH	(80°-90°)	12.9	0.2			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



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

Scaled Data Report

REPORT NUMBER: P1365347
CATALOG NUMBER: GSS-SB2A-730-U-SLL-HSS

CANDELA DISTRIBUTION (FULL):

	0°	1°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	1086.2	1086.2	1086.2	1086.2	1086.2	1086.2	1086.2	1086.2	1086.2	1086.2	1086.2
2.5°	1196.2	1211.6	1209.7	1230.9	1250.2	1263.7	1275.3	1271.5	1261.8	1242.5	1229.0
5°	1321.6	1333.2	1352.5	1393.0	1423.9	1450.9	1447.0	1450.9	1422.0	1393.0	1358.3
7.5°	1429.7	1443.2	1470.2	1528.1	1566.7	1599.5	1595.6	1584.0	1551.2	1503.0	1450.9
10°	1497.2	1506.8	1535.8	1601.4	1645.8	1672.8	1663.1	1643.8	1601.4	1553.1	1491.4
12.5°	1526.1	1537.7	1562.8	1614.9	1643.8	1638.0	1634.2	1630.3	1609.1	1572.4	1516.5
15°	1530.0	1537.7	1557.0	1580.2	1568.6	1535.8	1528.1	1557.0	1584.0	1576.3	1530.0
17.5°	1530.0	1541.6	1545.4	1522.3	1462.5	1402.7	1394.9	1443.2	1518.4	1578.2	1551.2
20°	1535.8	1541.6	1533.9	1458.6	1346.7	1281.1	1267.6	1327.4	1439.3	1557.0	1572.4
22.5°	1543.5	1549.3	1516.5	1383.4	1252.2	1182.7	1175.0	1219.4	1350.6	1526.1	1595.6
25°	1558.9	1555.1	1504.9	1317.8	1169.2	1103.6	1092.0	1149.9	1277.2	1495.3	1634.2
27.5°	1578.2	1560.9	1489.5	1263.7	1109.4	1039.9	1032.2	1088.2	1215.5	1456.7	1667.0
30°	1603.3	1585.9	1487.5	1221.3	1065.0	995.6	985.9	1047.7	1173.1	1429.7	1713.3
32.5°	1638.0	1613.0	1489.5	1188.5	1039.9	974.3	968.5	1034.1	1155.7	1414.2	1761.5
35°	1684.3	1647.7	1497.2	1176.9	1047.7	1003.3	1016.8	1066.9	1173.1	1425.8	1840.6
37.5°	1742.2	1707.5	1535.8	1202.0	1132.5	1163.4	1198.1	1217.4	1256.0	1479.8	1968.0
40°	1838.7	1790.5	1593.7	1283.0	1360.2	1504.9	1572.4	1564.7	1476.0	1603.3	2147.4
42.5°	1973.8	1929.4	1711.4	1489.5	1740.3	2047.1	2160.9	2095.3	1827.1	1800.1	2442.6
45°	2180.2	2106.9	1869.6	1796.2	2199.5	2703.1	2959.7	2733.9	2272.8	2110.7	2863.2
47.5°	2444.5	2371.2	2116.5	2103.0	2712.7	3513.4	3818.2	3374.5	2714.6	2517.8	3366.8
50°	2869.0	2787.9	2479.2	2415.6	3279.9	4321.8	4728.9	4013.1	3164.2	2950.0	3988.0
52.5°	3451.7	3397.6	3054.2	2737.8	3787.4	5213.2	5564.3	4680.7	3511.5	3443.9	4665.2
55°	4263.9	4211.8	3802.8	3096.6	4267.8	6106.5	6390.1	5288.4	3814.4	4022.7	5373.3
57.5°	5184.2	5271.1	4827.3	3575.1	4773.3	6826.1	7221.7	5840.2	4223.4	4796.4	6160.5
60°	5784.3	6058.2	6002.3	4410.6	5558.5	7721.4	8151.6	6579.2	4821.5	5365.6	6143.1
62.5°	5263.3	5537.3	5965.6	5379.1	6314.8	8531.7	8894.4	7356.7	5415.8	4912.2	5159.2
65°	4466.5	4808.0	5259.5	4672.9	6181.7	8556.8	8929.2	7385.7	5053.0	3631.1	3658.1
67.5°	3849.1	4152.0	4707.7	3976.4	5479.4	7792.7	8086.0	6588.8	4177.1	2407.9	2386.6
70°	3212.4	3490.2	4192.5	3540.4	4800.3	6716.2	6463.4	5539.2	3530.8	1599.5	1325.5
72.5°	2737.8	2994.4	3725.6	3181.5	3808.6	5442.8	4454.9	4595.8	2872.8	1016.8	902.9
75°	2265.1	2500.5	3168.0	2880.6	3150.7	3395.7	3079.3	3264.5	2367.3	862.4	696.5
77.5°	1589.8	1736.4	2222.6	2292.1	2452.2	2010.4	1952.5	2286.3	1684.3	428.3	293.3
80°	783.3	874.0	1159.6	1364.1	1159.6	1140.3	1300.4	1522.3	874.0	262.4	162.1
82.5°	351.1	416.7	534.4	825.8	418.7	455.3	575.0	810.3	397.5	156.3	69.5
85°	56.0	61.7	104.2	138.9	113.8	175.6	167.9	158.2	84.9	42.4	19.3
87.5°	1.9	1.9	1.9	3.9	5.8	7.7	9.6	9.6	9.6	9.6	9.6
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: P1365347
CATALOG NUMBER: GSS-SB2A-730-U-SLL-HSS

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1086.2	1086.2	1086.2	1086.2	1086.2	1086.2	1086.2	1086.2	1086.2	1086.2	1086.2
2.5°	1225.2	1219.4	1190.4	1161.5	1136.4	1111.3	1086.2	1051.5	1024.5	1001.3	991.7
5°	1340.9	1310.0	1265.7	1217.4	1175.0	1126.8	1080.5	1028.4	985.9	941.5	918.4
7.5°	1420.0	1389.2	1315.8	1242.5	1190.4	1138.3	1090.1	1032.2	976.3	912.6	877.9
10°	1456.7	1422.0	1342.8	1258.0	1194.3	1142.2	1097.8	1049.6	993.6	914.5	868.2
12.5°	1481.8	1439.3	1348.6	1261.8	1198.1	1144.1	1101.7	1066.9	1034.1	957.0	902.9
15°	1497.2	1458.6	1364.1	1263.7	1192.4	1128.7	1088.2	1076.6	1082.4	1045.7	980.1
17.5°	1520.3	1483.7	1383.4	1275.3	1182.7	1095.9	1051.5	1076.6	1128.7	1140.3	1088.2
20°	1551.2	1512.6	1408.4	1285.0	1153.8	1034.1	991.7	1055.4	1142.2	1202.0	1173.1
22.5°	1585.9	1555.1	1437.4	1294.6	1111.3	953.1	933.8	1011.0	1103.6	1180.8	1182.7
25°	1628.4	1599.5	1477.9	1304.3	1053.4	883.7	887.5	953.1	1026.4	1105.5	1119.0
27.5°	1686.3	1659.3	1528.1	1315.8	993.6	827.7	847.0	895.2	945.4	993.6	1012.9
30°	1749.9	1728.7	1587.9	1339.0	937.7	794.9	806.5	839.3	879.8	908.7	918.4
32.5°	1836.8	1802.0	1643.8	1337.1	895.2	779.5	767.9	777.5	810.3	839.3	841.2
35°	1944.8	1917.8	1701.7	1302.3	856.6	771.8	731.2	725.4	744.7	773.7	771.8
37.5°	2103.0	2079.9	1796.2	1248.3	808.4	752.5	692.6	673.4	686.9	706.2	711.9
40°	2340.3	2280.5	1904.3	1188.5	760.2	717.7	646.3	619.3	629.0	650.2	654.1
42.5°	2662.5	2548.7	2049.0	1107.5	713.9	665.6	600.0	571.1	576.9	596.2	600.0
45°	3075.4	2903.7	2247.7	1022.6	677.2	611.6	551.8	520.9	526.7	547.9	557.6
47.5°	3557.8	3322.4	2456.1	931.9	656.0	569.2	503.6	480.4	493.9	515.1	519.0
50°	4126.9	3889.6	2589.2	858.6	642.5	536.4	459.2	449.5	466.9	484.3	488.1
52.5°	4748.2	4410.6	2504.3	798.8	630.9	524.8	428.3	432.2	445.7	463.1	468.8
55°	5352.1	4601.6	2222.6	721.6	617.4	532.5	405.2	414.8	432.2	445.7	449.5
57.5°	5745.7	4441.4	1790.5	640.6	602.0	538.3	393.6	401.3	420.6	436.0	438.0
60°	5402.3	4090.3	1340.9	571.1	569.2	528.6	389.7	378.2	405.2	418.7	420.6
62.5°	4426.0	3345.5	856.6	505.5	507.4	507.4	387.8	339.6	374.3	385.9	383.9
65°	*3040.7*	*2365.4*	*530.6*	*412.9*	*432.2*	*461.1*	*376.2*	*299.1*	*339.6*	*351.1*	*347.3*
67.5°	1998.8	1503.0	328.0	318.3	355.0	399.4	353.1	268.2	304.8	312.6	301.0
70°	1084.3	708.1	216.1	208.4	277.8	314.5	299.1	241.2	272.0	279.8	268.2
72.5°	715.8	407.1	152.4	152.4	218.0	219.9	245.0	216.1	241.2	248.9	237.3
75°	538.3	262.4	106.1	117.7	138.9	171.7	175.6	181.4	204.5	214.2	202.6
77.5°	247.0	96.5	63.7	86.8	96.5	131.2	111.9	135.1	152.4	156.3	146.6
80°	142.8	54.0	42.4	56.0	61.7	108.0	65.6	81.0	108.0	113.8	102.3
82.5°	59.8	27.0	28.9	34.7	36.7	59.8	46.3	52.1	71.4	69.5	61.7
85°	17.4	17.4	19.3	21.2	21.2	34.7	32.8	30.9	32.8	32.8	27.0
87.5°	11.6	11.6	11.6	13.5	13.5	15.4	17.4	19.3	19.3	19.3	17.4
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: P1365347
CATALOG NUMBER: GSS-SB2A-730-U-SLL-HSS

CANDELA DISTRIBUTION (continued):

	185°	195°	205°	215°	225°	235°	245°	255°	265°	270°	275°
0°	1086.2	1086.2	1086.2	1086.2	1086.2	1086.2	1086.2	1086.2	1086.2	1086.2	1086.2
2.5°	978.2	960.8	935.7	931.9	918.4	908.7	918.4	928.0	945.4	947.3	955.0
5°	897.2	856.6	825.8	791.0	773.7	771.8	767.9	779.5	804.5	820.0	831.6
7.5°	843.1	769.8	715.8	667.6	650.2	636.7	648.3	646.3	679.1	692.6	704.2
10°	814.2	711.9	630.9	571.1	547.9	534.4	532.5	536.4	555.7	569.2	582.7
12.5°	833.5	688.8	569.2	499.7	474.6	459.2	445.7	445.7	449.5	466.9	472.7
15°	897.2	702.3	540.2	465.0	432.2	407.1	389.7	376.2	378.2	380.1	385.9
17.5°	989.8	737.0	530.6	443.8	409.0	378.2	360.8	345.4	341.5	341.5	339.6
20°	1078.5	764.0	522.9	426.4	382.0	355.0	339.6	326.1	320.3	320.3	320.3
22.5°	1115.2	787.2	513.2	405.2	355.0	329.9	316.4	306.8	304.8	304.8	302.9
25°	1086.2	779.5	501.6	383.9	329.9	310.6	299.1	289.4	287.5	289.4	287.5
27.5°	995.6	752.5	486.2	366.6	310.6	293.3	283.6	274.0	272.0	274.0	274.0
30°	899.1	706.2	461.1	353.1	295.2	275.9	266.3	256.6	256.6	258.5	260.5
32.5°	821.9	659.8	432.2	335.7	277.8	260.5	250.8	241.2	241.2	245.0	245.0
35°	756.3	623.2	403.2	318.3	262.4	243.1	235.4	227.7	225.7	229.6	231.5
37.5°	704.2	590.4	372.4	301.0	247.0	229.6	221.9	212.2	210.3	214.2	218.0
40°	650.2	553.7	345.4	279.8	231.5	214.2	206.4	194.9	194.9	198.7	202.6
42.5°	598.1	520.9	328.0	260.5	216.1	196.8	189.1	179.4	179.4	183.3	187.1
45°	555.7	490.1	318.3	241.2	198.7	181.4	171.7	164.0	165.9	169.8	173.6
47.5°	515.1	457.3	320.3	231.5	187.1	164.0	154.4	148.6	152.4	158.2	162.1
50°	484.3	434.1	322.2	216.1	171.7	150.5	140.8	137.0	142.8	148.6	152.4
52.5°	465.0	411.0	310.6	196.8	160.1	137.0	131.2	131.2	137.0	140.8	144.7
55°	445.7	372.4	285.5	175.6	148.6	127.3	123.5	123.5	129.3	133.1	135.1
57.5°	430.3	331.9	256.6	158.2	135.1	117.7	117.7	117.7	119.6	121.6	125.4
60°	401.3	289.4	219.9	144.7	121.6	110.0	108.0	108.0	106.1	108.0	113.8
62.5°	351.1	243.1	187.1	129.3	110.0	100.3	98.4	92.6	86.8	88.8	92.6
65°	*297.1*	*192.9*	*156.3*	*111.9*	*94.5*	*88.8*	*86.8*	*77.2*	*69.5*	*71.4*	*77.2*
67.5°	237.3	144.7	131.2	96.5	81.0	75.2	75.2	69.5	63.7	63.7	67.5
70°	185.2	121.6	98.4	77.2	63.7	63.7	67.5	61.7	54.0	54.0	59.8
72.5°	150.5	98.4	79.1	59.8	50.2	54.0	56.0	50.2	44.4	44.4	48.2
75°	117.7	77.2	61.7	44.4	38.6	40.5	44.4	40.5	34.7	36.7	38.6
77.5°	81.0	52.1	40.5	32.8	28.9	30.9	30.9	28.9	27.0	27.0	28.9
80°	54.0	34.7	27.0	23.2	21.2	21.2	19.3	19.3	21.2	21.2	23.2
82.5°	38.6	25.1	21.2	17.4	13.5	13.5	15.4	15.4	17.4	17.4	19.3
85°	23.2	17.4	15.4	11.6	9.6	11.6	11.6	13.5	15.4	15.4	17.4
87.5°	17.4	13.5	11.6	9.6	7.7	7.7	9.6	9.6	11.6	13.5	13.5
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: P1365347
CATALOG NUMBER: GSS-SB2A-730-U-SLL-HSS

CANDELA DISTRIBUTION (continued):

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	1086.2	1086.2	1086.2	1086.2	1086.2	1086.2	1086.2	1086.2	1086.2	1086.2
2.5°	974.3	997.5	1030.3	1059.2	1094.0	1128.7	1161.5	1192.4	1194.3	1196.2
5°	868.2	914.5	968.5	1034.1	1103.6	1171.1	1242.5	1300.4	1313.9	1321.6
7.5°	750.5	818.1	901.0	993.6	1097.8	1202.0	1302.3	1389.2	1422.0	1429.7
10°	627.0	710.0	810.3	930.0	1070.8	1209.7	1344.8	1450.9	1489.5	1497.2
12.5°	517.1	584.6	700.4	845.1	1014.9	1198.1	1360.2	1477.9	1516.5	1526.1
15°	422.5	486.2	594.2	746.7	937.7	1157.6	1348.6	1483.7	1522.3	1530.0
17.5°	349.2	389.7	488.1	654.1	868.2	1105.5	1333.2	1487.5	1524.2	1530.0
20°	320.3	328.0	380.1	542.2	794.9	1066.9	1323.6	1493.3	1530.0	1535.8
22.5°	306.8	306.8	318.3	412.9	692.6	1026.4	1319.7	1510.7	1537.7	1543.5
25°	293.3	293.3	297.1	324.1	571.1	976.3	1327.4	1541.6	1558.9	1558.9
27.5°	279.8	279.8	283.6	289.4	424.5	893.3	1329.3	1576.3	1584.0	1578.2
30°	266.3	270.1	270.1	274.0	312.6	789.1	1317.8	1614.9	1614.9	1603.3
32.5°	252.7	254.7	258.5	260.5	272.0	654.1	1298.5	1663.1	1653.5	1638.0
35°	241.2	243.1	243.1	247.0	258.5	522.9	1277.2	1728.7	1701.7	1684.3
37.5°	225.7	227.7	229.6	233.5	245.0	414.8	1246.4	1784.7	1765.4	1742.2
40°	212.2	214.2	216.1	219.9	231.5	356.9	1207.8	1869.6	1865.7	1838.7
42.5°	196.8	200.7	202.6	204.5	219.9	326.1	1180.8	2006.6	2006.6	1973.8
45°	183.3	187.1	187.1	191.0	212.2	299.1	1240.6	2195.6	2211.1	2180.2
47.5°	171.7	173.6	173.6	175.6	200.7	275.9	1400.7	2485.0	2465.7	2444.5
50°	160.1	164.0	160.1	162.1	191.0	289.4	1665.1	2855.5	2905.6	2869.0
52.5°	152.4	154.4	146.6	146.6	177.5	306.8	1881.1	3328.2	3496.0	3451.7
55°	142.8	144.7	135.1	135.1	156.3	266.3	1894.6	3866.5	4235.0	4263.9
57.5°	133.1	133.1	125.4	123.5	135.1	216.1	1680.5	4283.2	5118.6	5184.2
60°	121.6	119.6	115.8	111.9	123.5	198.7	1281.1	4227.3	5556.6	5784.3
62.5°	104.2	108.0	106.1	98.4	111.9	185.2	835.4	3658.1	5062.7	5263.3
65°	*86.8*	*92.6*	*92.6*	*86.8*	*123.5*	*162.1*	*439.9*	*2928.8*	*4225.3*	*4466.5*
67.5°	77.2	81.0	79.1	75.2	110.0	102.3	212.2	2245.8	3617.6	3849.1
70°	67.5	71.4	65.6	61.7	88.8	73.3	125.4	1503.0	2986.7	3212.4
72.5°	56.0	59.8	54.0	48.2	65.6	56.0	83.0	978.2	2487.0	2737.8
75°	46.3	48.2	44.4	38.6	48.2	44.4	57.9	638.6	2079.9	2265.1
77.5°	32.8	36.7	34.7	28.9	34.7	30.9	40.5	364.7	1450.9	1589.8
80°	25.1	25.1	25.1	23.2	21.2	21.2	27.0	164.0	704.2	783.3
82.5°	21.2	21.2	19.3	17.4	15.4	13.5	15.4	48.2	331.9	351.1
85°	19.3	15.4	13.5	11.6	9.6	5.8	5.8	13.5	67.5	56.0
87.5°	11.6	9.6	7.7	3.9	1.9	1.9	0.0	1.9	1.9	1.9
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

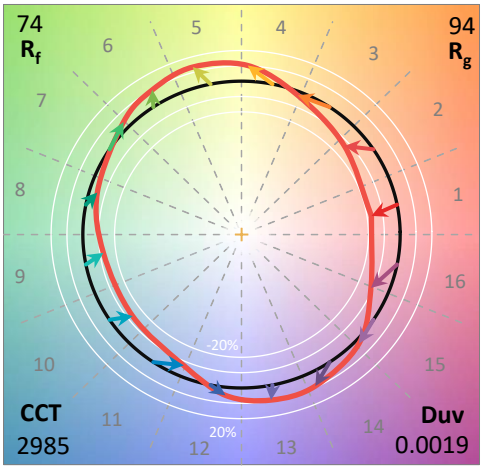
Test Information

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

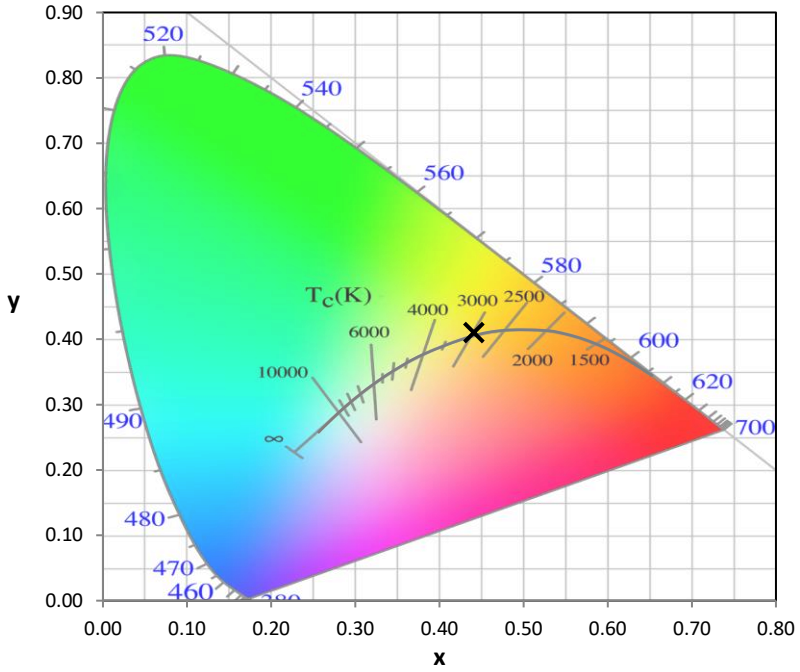
Stabilization Time:	36M
Operation Time:	1H 36M
Sphere Temperature (°C):	25.2

REPORT NUMBER: SP1-2407-184-4

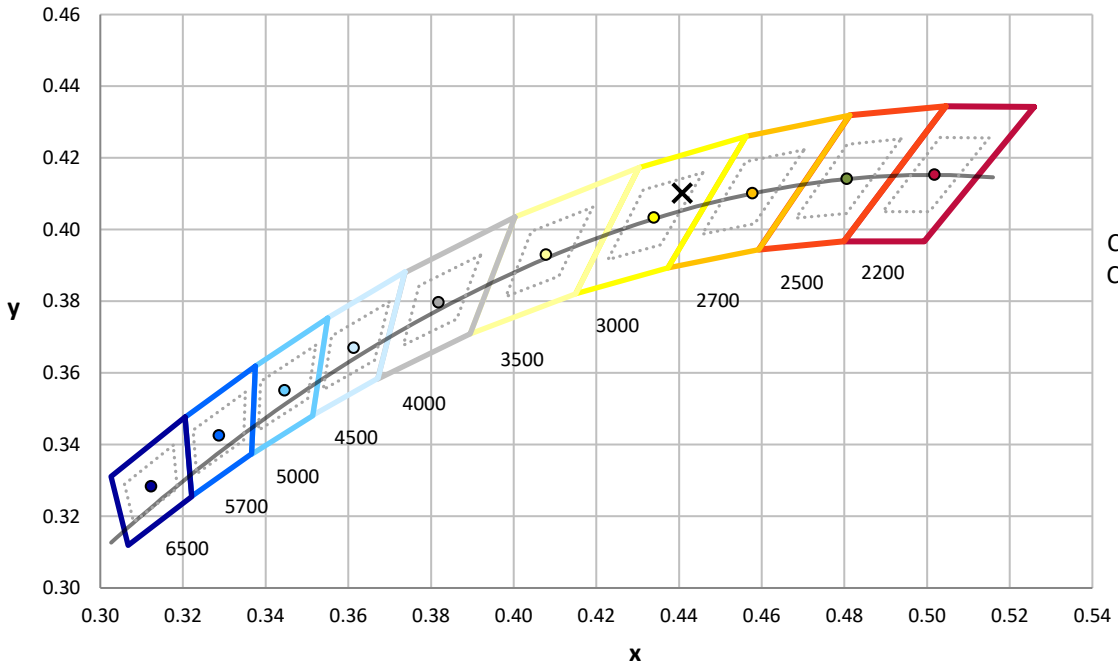
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

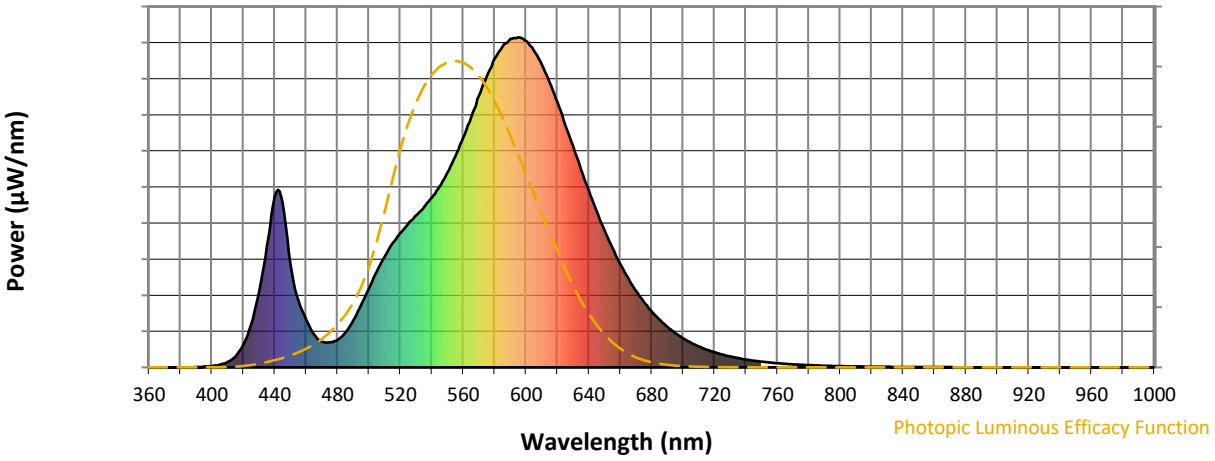


CCT = 2985K
CIE x = 0.4408
CIE y = 0.4101
Duv = 0.0019

Point lies inside the ANSI 3000K 4-step quadrangle

REPORT NUMBER: SP1-2407-184-4

Photopic Flux vs. Wavelength

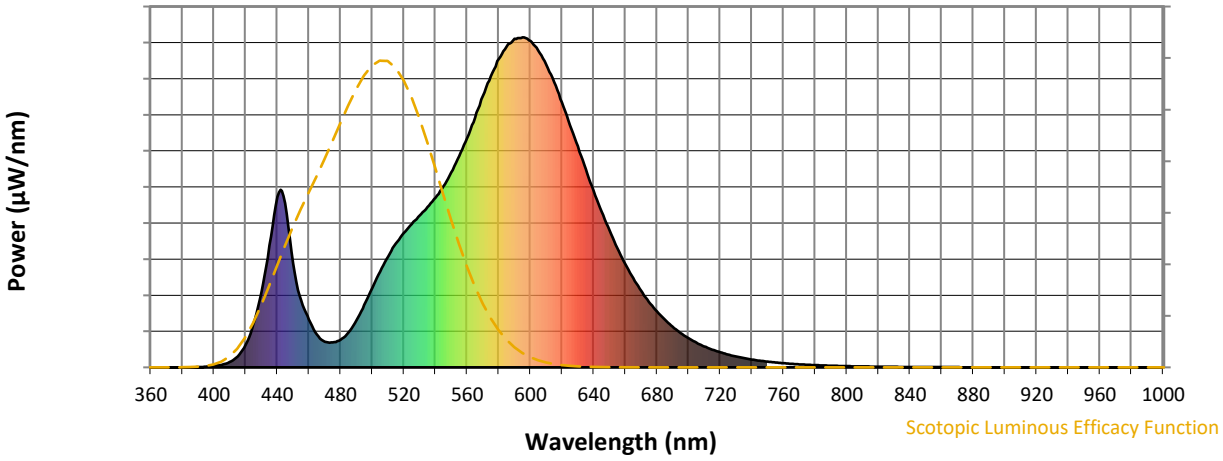


Photopic Lumens: NR

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

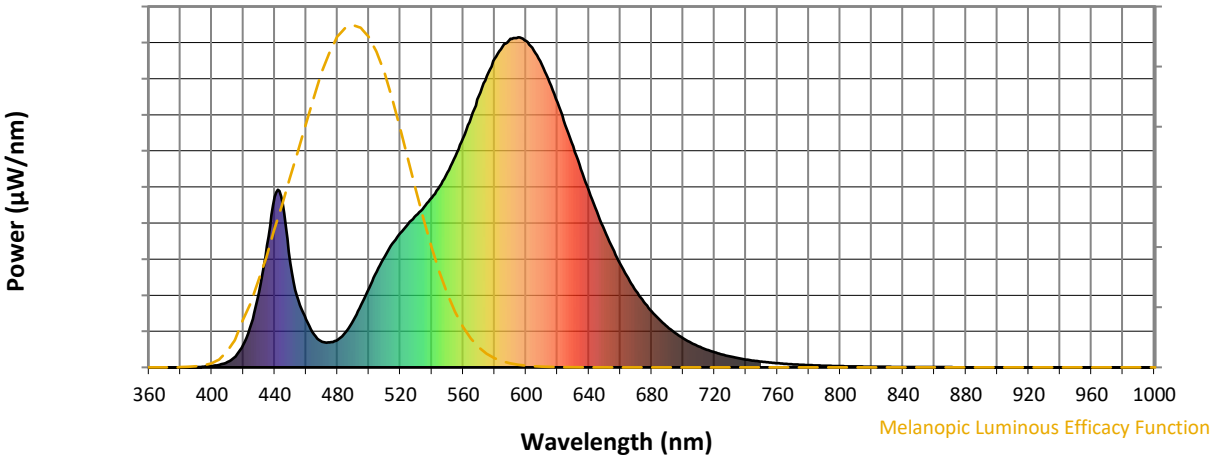


Scotopic Lumens: NR **S/P: 1.19**

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			

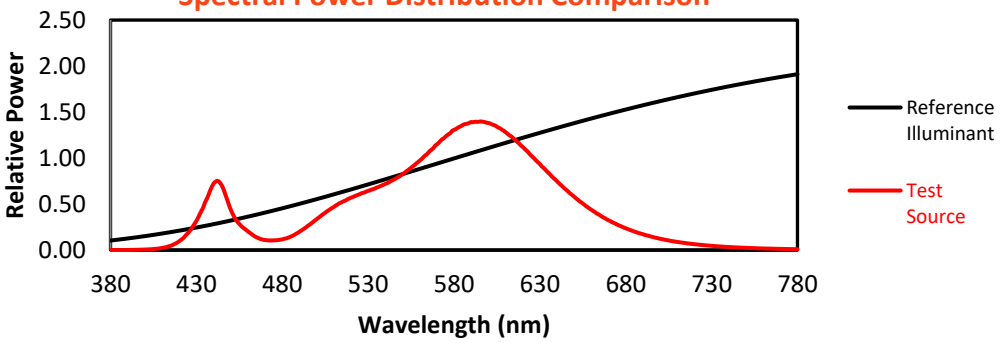
REPORT NUMBER: SP1-2407-184-4

TM-30-18

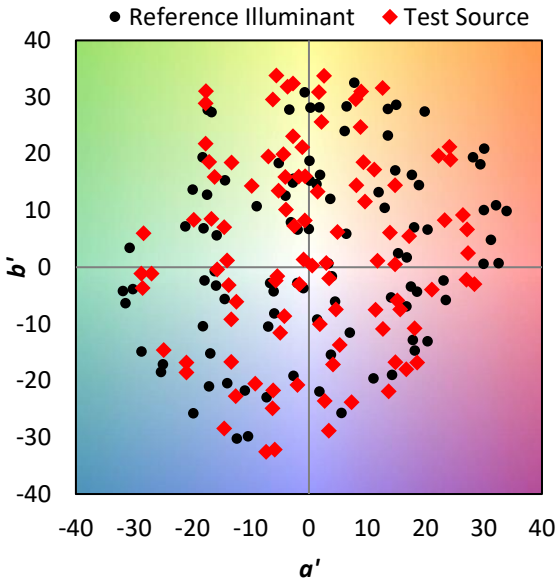
Summary

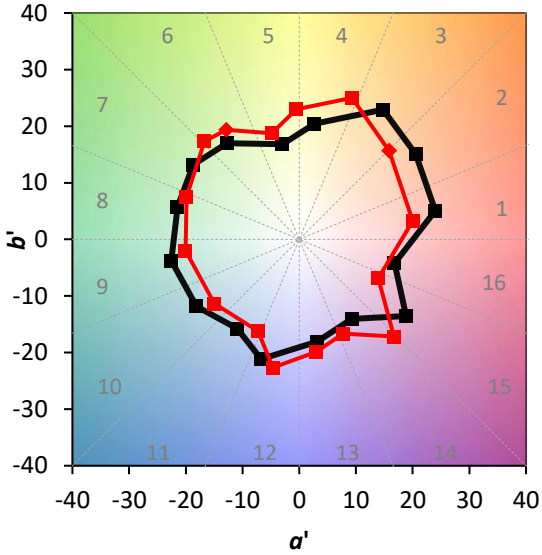
R_f = 73.8
R_g = 94.4
CIE R_a = 70.8
R_9 = -43.2

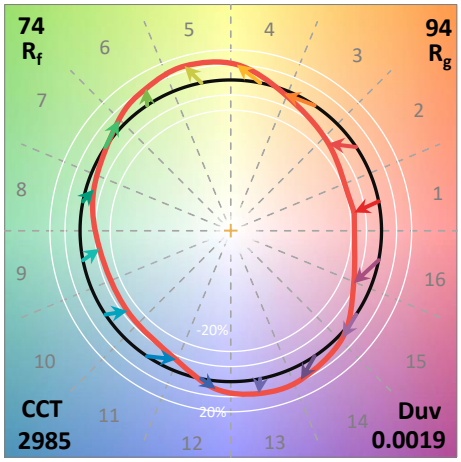
Spectral Power Distribution Comparison

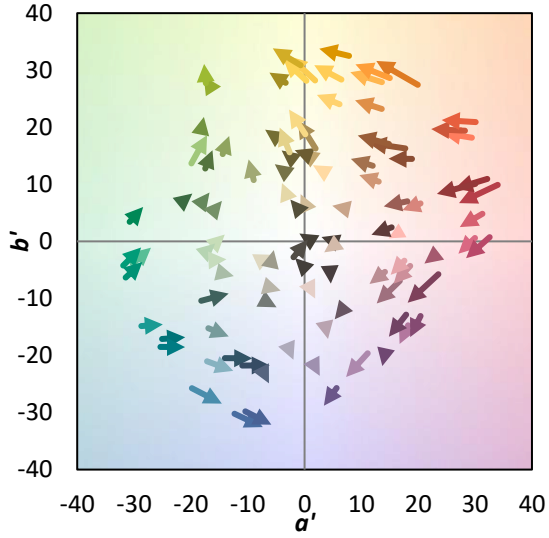


Color Vector Graphics







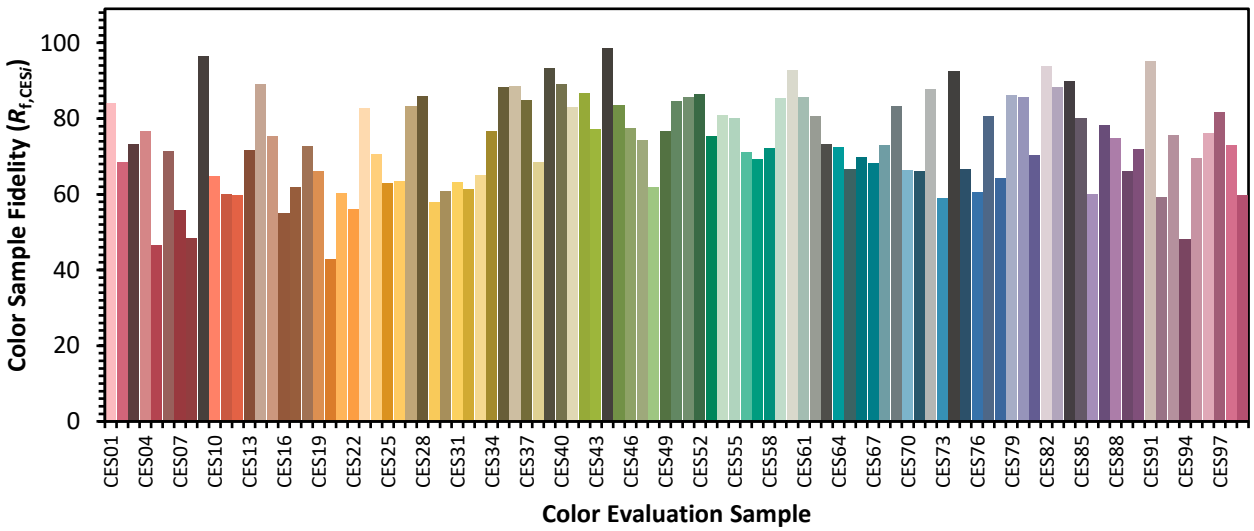


REPORT NUMBER: SP1-2407-184-4

TM-30-18

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

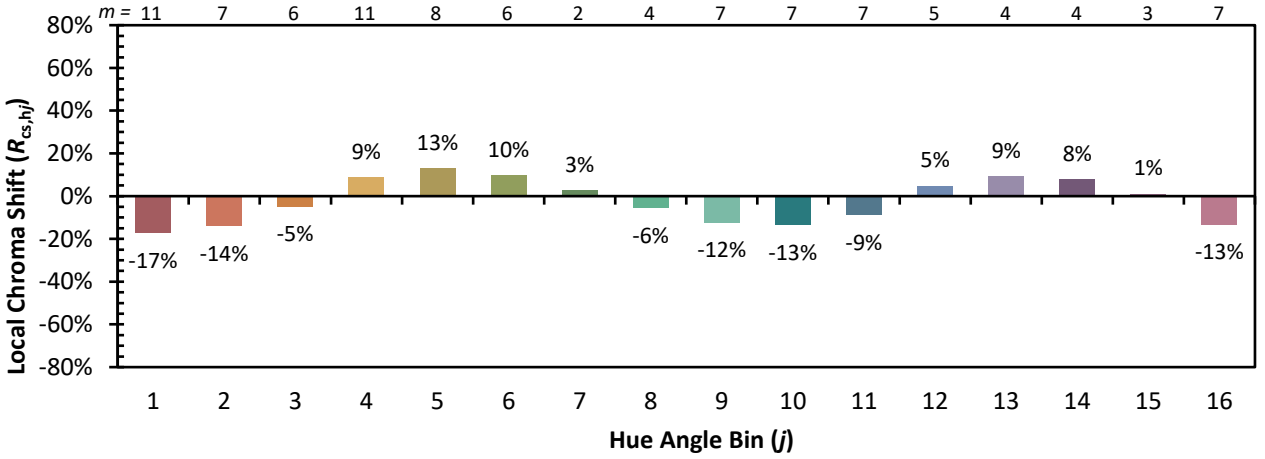
CES01 = 86	CES26 = 63	CES51 = 86	CES76 = 61
CES02 = 62	CES27 = 83	CES52 = 86	CES77 = 81
CES03 = 31	CES28 = 86	CES53 = 75	CES78 = 64
CES04 = 71	CES29 = 58	CES54 = 81	CES79 = 86
CES05 = 49	CES30 = 61	CES55 = 80	CES80 = 86
CES06 = 51	CES31 = 63	CES56 = 71	CES81 = 70
CES07 = 41	CES32 = 61	CES57 = 69	CES82 = 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	

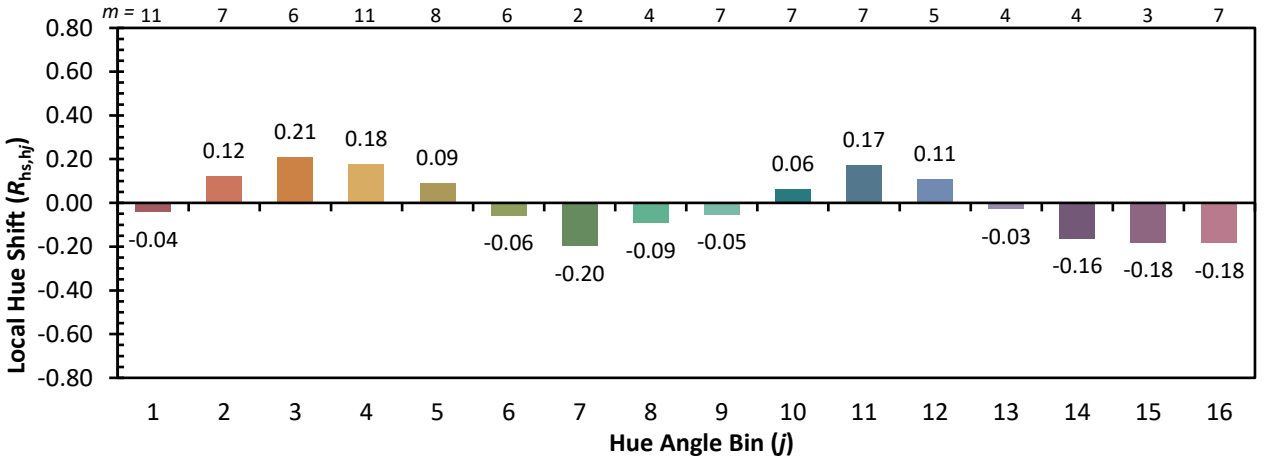


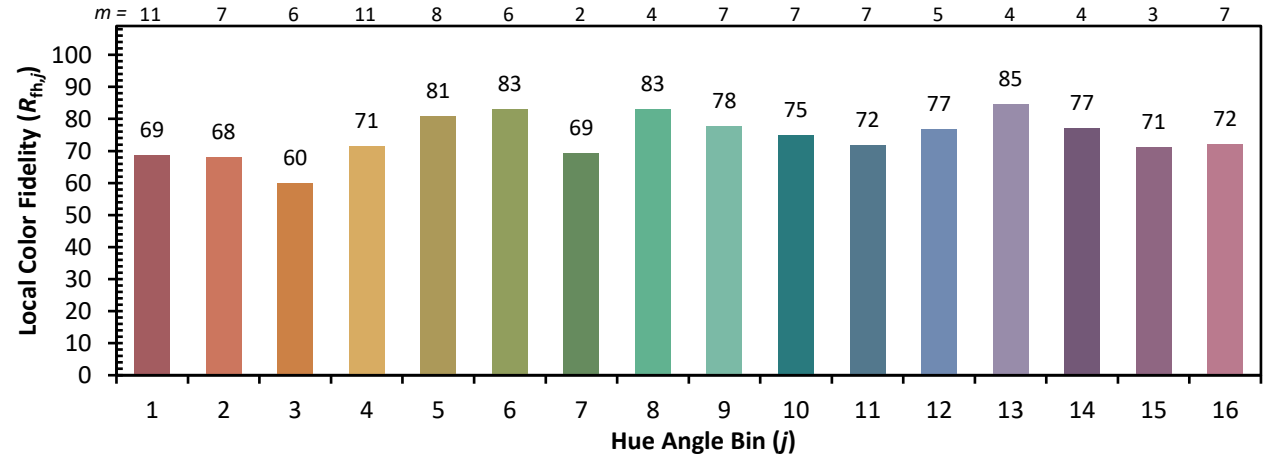
REPORT NUMBER: SP1-2407-184-4

TM-30-18

Color Rendition by Hue-Angle Bin



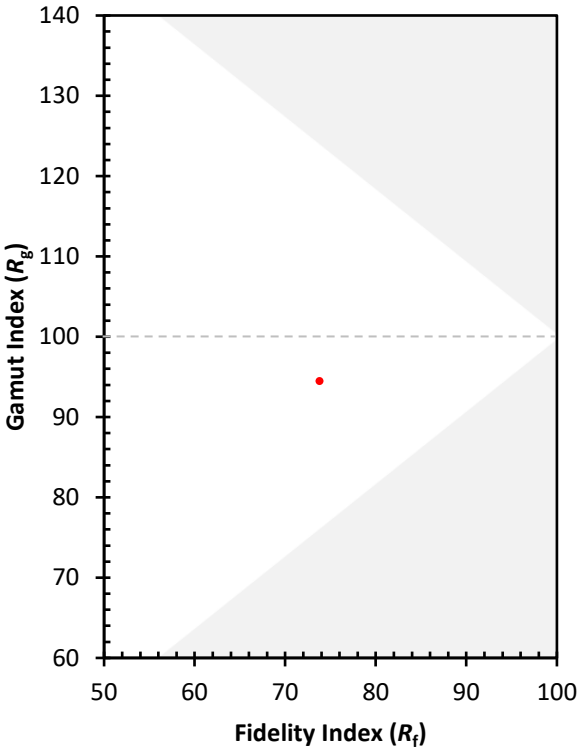


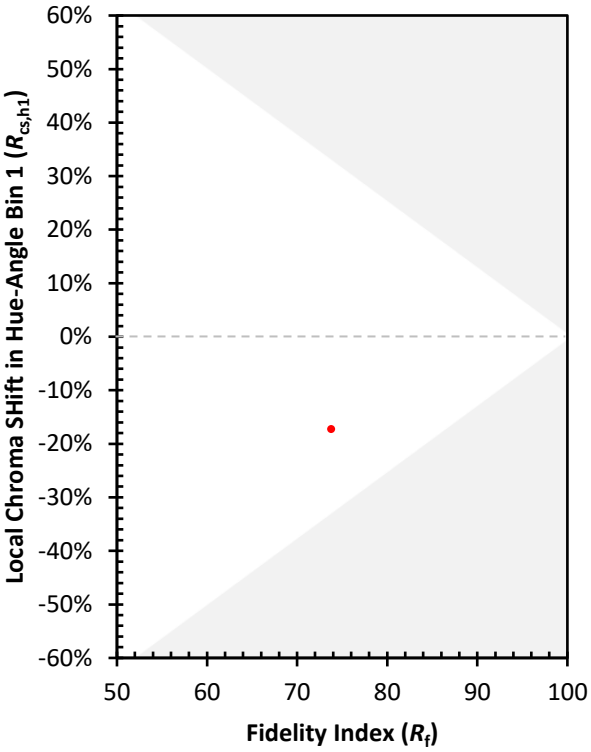


REPORT NUMBER: SP1-2407-184-4

TM-30-18

Measure Comparisons





(END OF REPORT)