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: P1364603

Luminaire Tested: **GSS-SB2A-735-U-SLR-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:	P1364603
Test Lab:	INNOVATION CENTER(G1)
Issue Date:	02/18/2026
Manufacturer:	COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line:	McGRAW-EDISON
Catalog Number:	GSS-SB2A-735-U-SLR-HSS
Description:	GALLEON II SLIM SITE HIGH DENSITY LED ARRAYS 2SQUARE 58W 70CRI 3500K FIXTURE w/ 90° Spill Light Eliminator RIGHT OPTIC AND HOUSE SIDE SHIELD
Light Source:	(52) 3500K CCT, 70 CRI LEDS
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	6283.2 lumens
Efficiency:	N/A
Efficacy:	108.3 lumens/watt
Luminous Opening:	Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification:	Type III - Short
BUG Rating:	B1 - U0 - G2

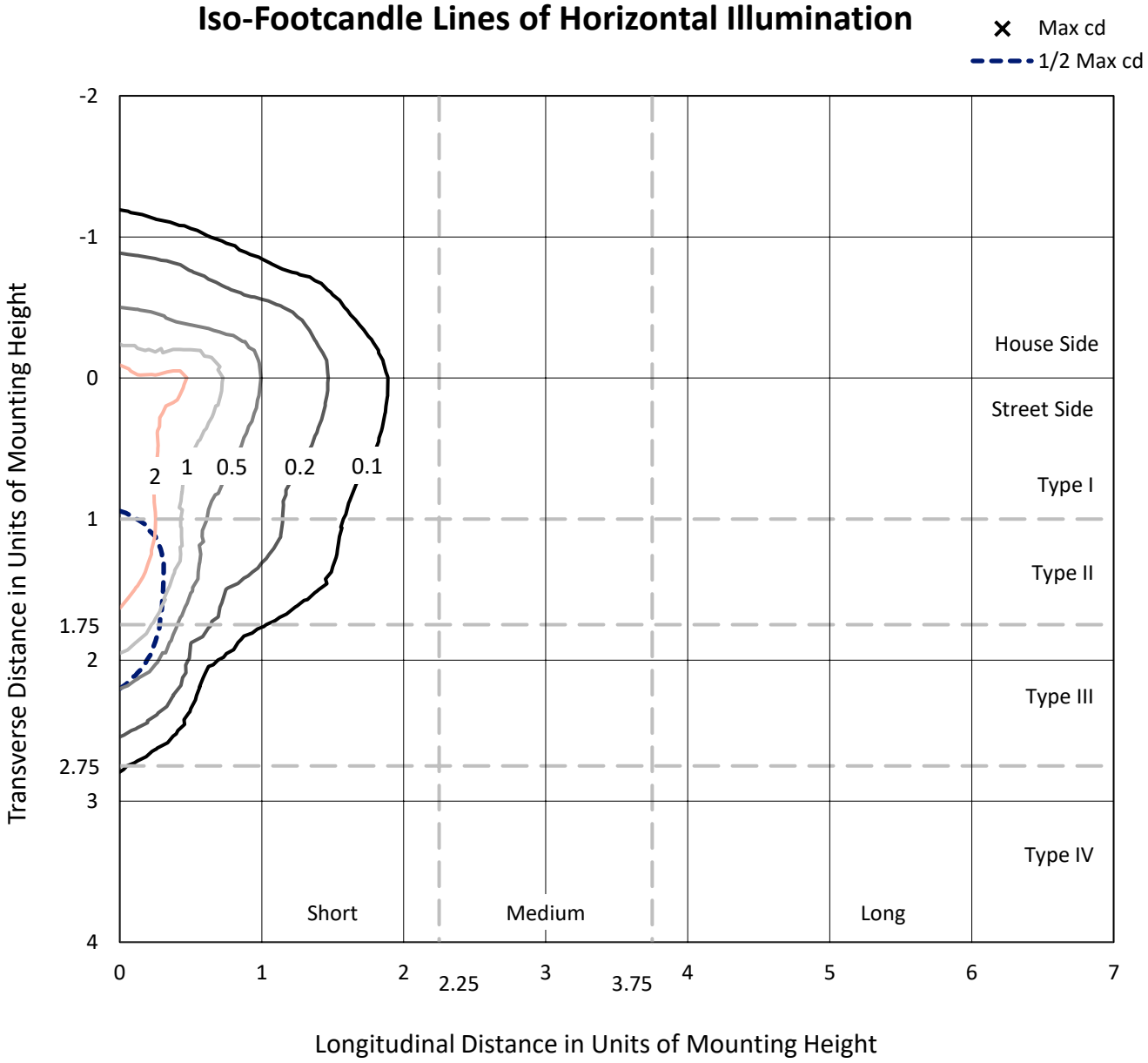
Input Watts (W):	58
Input Voltage (V):	120
Input Current (Ain):	NR
Voltage Rise (V):	NR
Power Factor:	0.98
Total Harmonic Distortion (THDi):	9.0%
Frequency (hertz):	60
Stabilization Time:	NR
Operation Time:	NR
Ambient Temperature (°C):	NR
Test Distance:	28.75 FT

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

Scaled Data Report

REPORT NUMBER: P1364603
CATALOG NUMBER: GSS-SB2A-735-U-SLR-HSS

Iso-Footcandle Lines of Horizontal Illumination



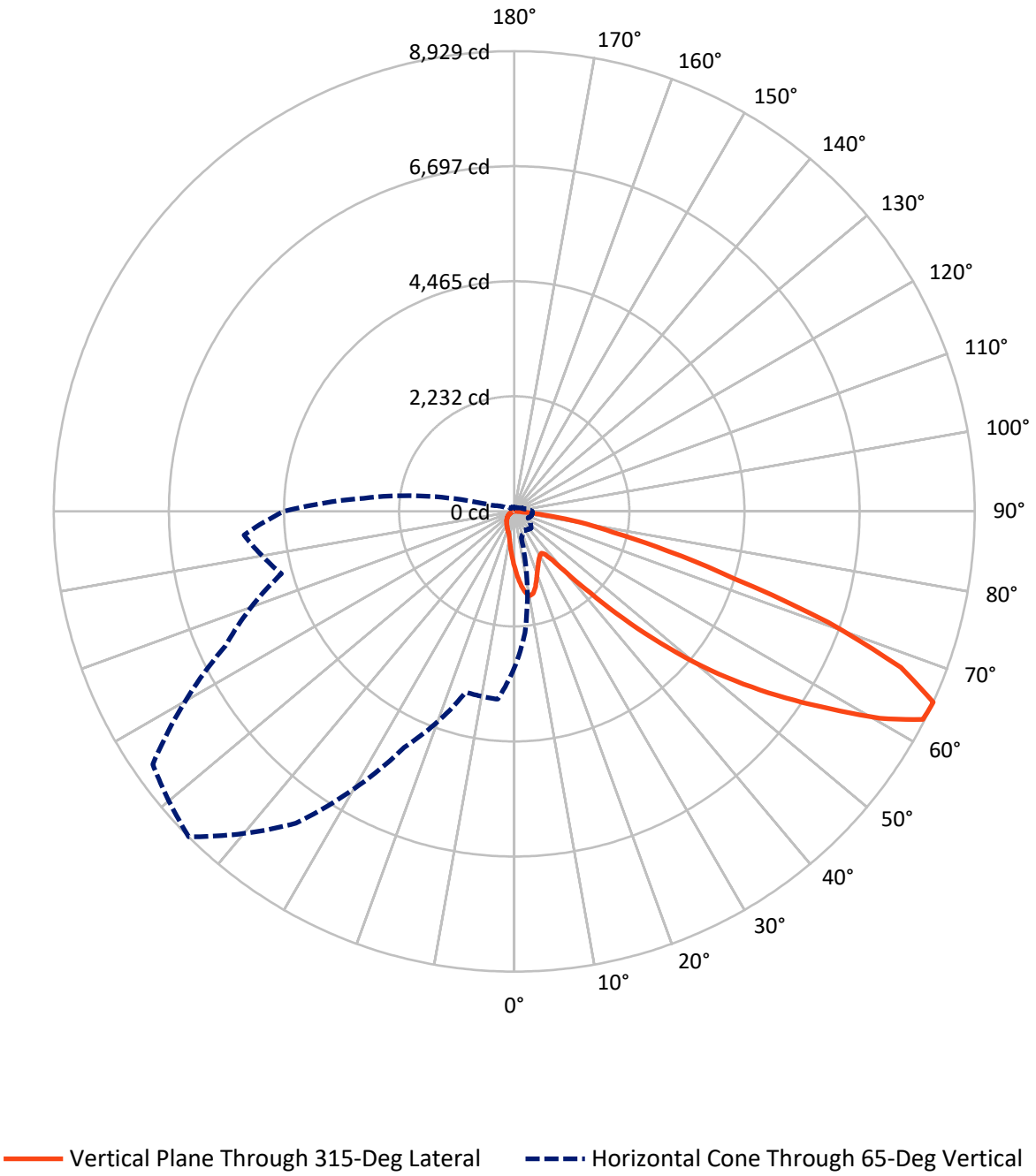
Based on 20 foot mounting height. Maximum calculated value = 3.4 fc
Type III - Short - N/A

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

Scaled Data Report

REPORT NUMBER: P1364603
CATALOG NUMBER: GSS-SB2A-735-U-SLR-HSS

Luminous Intensity Polar Plot



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

Scaled Data Report

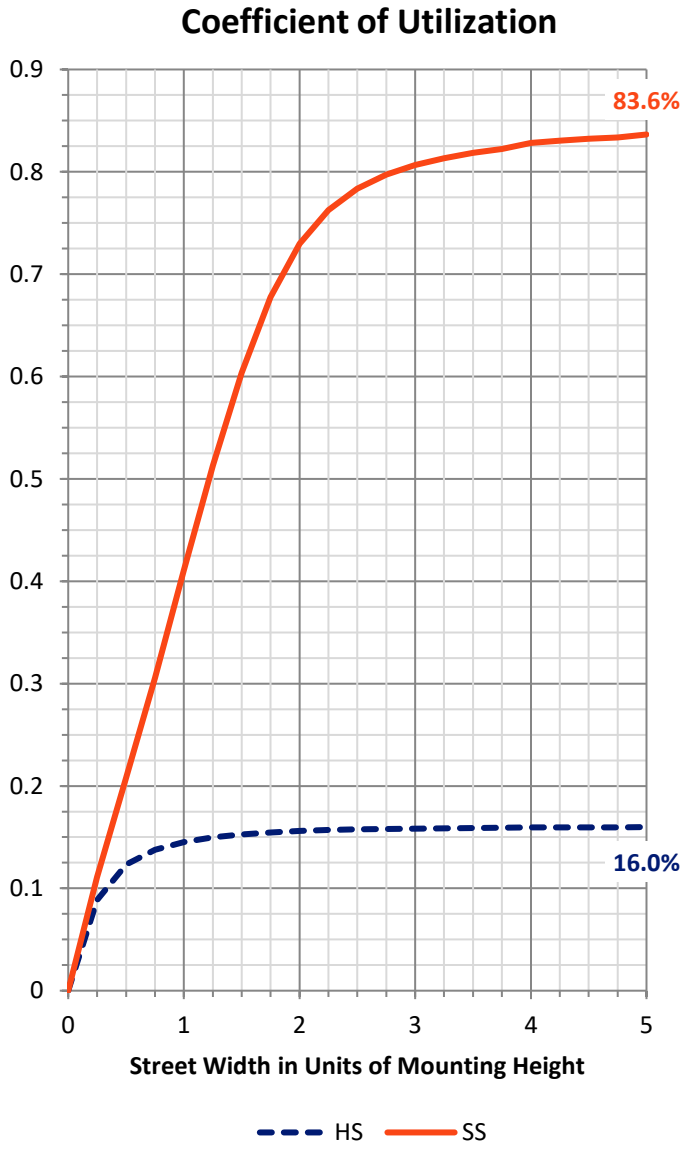
REPORT NUMBER: P1364603
CATALOG NUMBER: GSS-SB2A-735-U-SLR-HSS

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1015.7	0.0	1015.7
	% Fixture	16.2	0.0	16.2
Street Side	Lumens	5267.5	0.0	5267.5
	% Fixture	83.8	0.0	83.8
Total	Lumens	6283.2	0.0	6283.2
	% 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°	852.0	13.6
50°-60°	1537.5	24.5
60°-70°	1706.3	27.2
70°-80°	770.9	12.3
80°-90°	91.2	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°	6283.2	100.0
0°-180°	6283.2	100.0



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

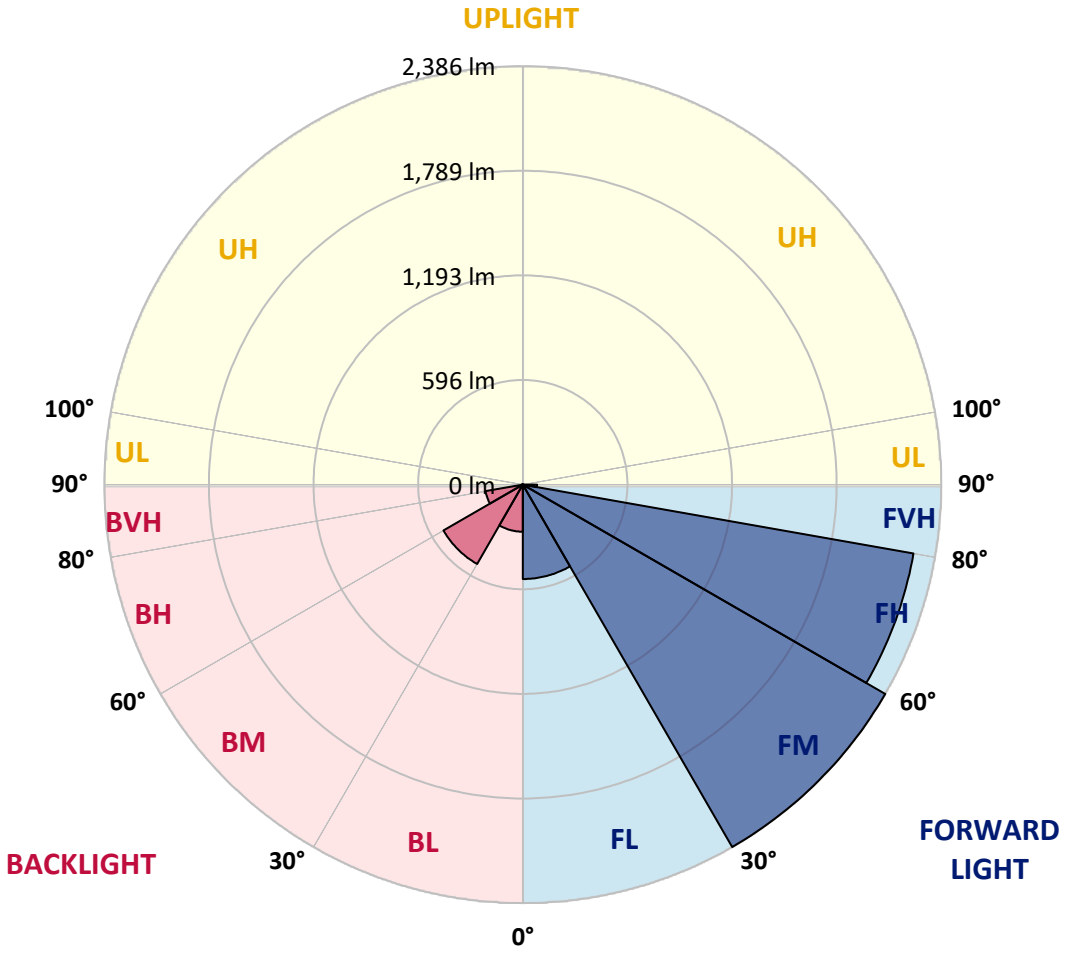
Scaled Data Report

REPORT NUMBER: P1364603
CATALOG NUMBER: GSS-SB2A-735-U-SLR-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	538.2	8.6			
FM	(30°-60°)	2385.9	38.0			
FH	(60°-80°)	2261.6	36.0			G2/5000
FVH	(80°-90°)	81.8	1.3			G1/100
BL	(0°-30°)	268.4	4.3	B1/500		
BM	(30°-60°)	522.3	8.3	B1/1000		
BH	(60°-80°)	215.7	3.4	B1/500		G1/500
BVH	(80°-90°)	9.3	0.1			G0/10
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: P1364603
CATALOG NUMBER: GSS-SB2A-735-U-SLR-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°	1225.2	1224.0	1219.4	1190.4	1161.5	1136.4	1111.3	1086.2	1051.5	1024.5	1001.3
5°	1340.9	1334.7	1310.0	1265.7	1217.4	1175.0	1126.8	1080.5	1028.4	985.9	941.5
7.5°	1420.0	1413.8	1389.2	1315.8	1242.5	1190.4	1138.3	1090.1	1032.2	976.3	912.6
10°	1456.7	1449.7	1422.0	1342.8	1258.0	1194.3	1142.2	1097.8	1049.6	993.6	914.5
12.5°	1481.8	1473.3	1439.3	1348.6	1261.8	1198.1	1144.1	1101.7	1066.9	1034.1	957.0
15°	1497.2	1489.5	1458.6	1364.1	1263.7	1192.4	1128.7	1088.2	1076.6	1082.4	1045.7
17.5°	1520.3	1513.0	1483.7	1383.4	1275.3	1182.7	1095.9	1051.5	1076.6	1128.7	1140.3
20°	1551.2	1543.5	1512.6	1408.4	1285.0	1153.8	1034.1	991.7	1055.4	1142.2	1202.0
22.5°	1585.9	1579.8	1555.1	1437.4	1294.6	1111.3	953.1	933.8	1011.0	1103.6	1180.8
25°	1628.4	1622.6	1599.5	1477.9	1304.3	1053.4	883.7	887.5	953.1	1026.4	1105.5
27.5°	1686.3	1680.9	1659.3	1528.1	1315.8	993.6	827.7	847.0	895.2	945.4	993.6
30°	1749.9	1745.7	1728.7	1587.9	1339.0	937.7	794.9	806.5	839.3	879.8	908.7
32.5°	1836.8	1829.8	1802.0	1643.8	1337.1	895.2	779.5	767.9	777.5	810.3	839.3
35°	1944.8	1939.4	1917.8	1701.7	1302.3	856.6	771.8	731.2	725.4	744.7	773.7
37.5°	2103.0	2098.4	2079.9	1796.2	1248.3	808.4	752.5	692.6	673.4	686.9	706.2
40°	2340.3	2328.4	2280.5	1904.3	1188.5	760.2	717.7	646.3	619.3	629.0	650.2
42.5°	2662.5	2639.8	2548.7	2049.0	1107.5	713.9	665.6	600.0	571.1	576.9	596.2
45°	3075.4	3041.1	2903.7	2247.7	1022.6	677.2	611.6	551.8	520.9	526.7	547.9
47.5°	3557.8	3510.7	3322.4	2456.1	931.9	656.0	569.2	503.6	480.4	493.9	515.1
50°	4126.9	4079.5	3889.6	2589.2	858.6	642.5	536.4	459.2	449.5	466.9	484.3
52.5°	4748.2	4680.7	4410.6	2504.3	798.8	630.9	524.8	428.3	432.2	445.7	463.1
55°	5352.1	5202.0	4601.6	2222.6	721.6	617.4	532.5	405.2	414.8	432.2	445.7
57.5°	5745.7	5484.8	4441.4	1790.5	640.6	602.0	538.3	393.6	401.3	420.6	436.0
60°	5402.3	5139.9	4090.3	1340.9	571.1	569.2	528.6	389.7	378.2	405.2	418.7
62.5°	4426.0	4209.9	3345.5	856.6	505.5	507.4	507.4	387.8	339.6	374.3	385.9
65°	*3040.7*	*2905.6*	*2365.4*	*530.6*	*412.9*	*432.2*	*461.1*	*376.2*	*299.1*	*339.6*	*351.1*
67.5°	1998.8	1899.7	1503.0	328.0	318.3	355.0	399.4	353.1	268.2	304.8	312.6
70°	1084.3	1009.1	708.1	216.1	208.4	277.8	314.5	299.1	241.2	272.0	279.8
72.5°	715.8	654.1	407.1	152.4	152.4	218.0	219.9	245.0	216.1	241.2	248.9
75°	538.3	483.1	262.4	106.1	117.7	138.9	171.7	175.6	181.4	204.5	214.2
77.5°	247.0	216.9	96.5	63.7	86.8	96.5	131.2	111.9	135.1	152.4	156.3
80°	142.8	125.0	54.0	42.4	56.0	61.7	108.0	65.6	81.0	108.0	113.8
82.5°	59.8	53.3	27.0	28.9	34.7	36.7	59.8	46.3	52.1	71.4	69.5
85°	17.4	17.4	17.4	19.3	21.2	21.2	34.7	32.8	30.9	32.8	32.8
87.5°	11.6	11.6	11.6	11.6	13.5	13.5	15.4	17.4	19.3	19.3	19.3
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: P1364603
CATALOG NUMBER: GSS-SB2A-735-U-SLR-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°	991.7	978.2	960.8	935.7	931.9	918.4	908.7	918.4	928.0	945.4	947.3
5°	918.4	897.2	856.6	825.8	791.0	773.7	771.8	767.9	779.5	804.5	820.0
7.5°	877.9	843.1	769.8	715.8	667.6	650.2	636.7	648.3	646.3	679.1	692.6
10°	868.2	814.2	711.9	630.9	571.1	547.9	534.4	532.5	536.4	555.7	569.2
12.5°	902.9	833.5	688.8	569.2	499.7	474.6	459.2	445.7	445.7	449.5	466.9
15°	980.1	897.2	702.3	540.2	465.0	432.2	407.1	389.7	376.2	378.2	380.1
17.5°	1088.2	989.8	737.0	530.6	443.8	409.0	378.2	360.8	345.4	341.5	341.5
20°	1173.1	1078.5	764.0	522.9	426.4	382.0	355.0	339.6	326.1	320.3	320.3
22.5°	1182.7	1115.2	787.2	513.2	405.2	355.0	329.9	316.4	306.8	304.8	304.8
25°	1119.0	1086.2	779.5	501.6	383.9	329.9	310.6	299.1	289.4	287.5	289.4
27.5°	1012.9	995.6	752.5	486.2	366.6	310.6	293.3	283.6	274.0	272.0	274.0
30°	918.4	899.1	706.2	461.1	353.1	295.2	275.9	266.3	256.6	256.6	258.5
32.5°	841.2	821.9	659.8	432.2	335.7	277.8	260.5	250.8	241.2	241.2	245.0
35°	771.8	756.3	623.2	403.2	318.3	262.4	243.1	235.4	227.7	225.7	229.6
37.5°	711.9	704.2	590.4	372.4	301.0	247.0	229.6	221.9	212.2	210.3	214.2
40°	654.1	650.2	553.7	345.4	279.8	231.5	214.2	206.4	194.9	194.9	198.7
42.5°	600.0	598.1	520.9	328.0	260.5	216.1	196.8	189.1	179.4	179.4	183.3
45°	557.6	555.7	490.1	318.3	241.2	198.7	181.4	171.7	164.0	165.9	169.8
47.5°	519.0	515.1	457.3	320.3	231.5	187.1	164.0	154.4	148.6	152.4	158.2
50°	488.1	484.3	434.1	322.2	216.1	171.7	150.5	140.8	137.0	142.8	148.6
52.5°	468.8	465.0	411.0	310.6	196.8	160.1	137.0	131.2	131.2	137.0	140.8
55°	449.5	445.7	372.4	285.5	175.6	148.6	127.3	123.5	123.5	129.3	133.1
57.5°	438.0	430.3	331.9	256.6	158.2	135.1	117.7	117.7	117.7	119.6	121.6
60°	420.6	401.3	289.4	219.9	144.7	121.6	110.0	108.0	108.0	106.1	108.0
62.5°	383.9	351.1	243.1	187.1	129.3	110.0	100.3	98.4	92.6	86.8	88.8
65°	*347.3*	*297.1*	*192.9*	*156.3*	*111.9*	*94.5*	*88.8*	*86.8*	*77.2*	*69.5*	*71.4*
67.5°	301.0	237.3	144.7	131.2	96.5	81.0	75.2	75.2	69.5	63.7	63.7
70°	268.2	185.2	121.6	98.4	77.2	63.7	63.7	67.5	61.7	54.0	54.0
72.5°	237.3	150.5	98.4	79.1	59.8	50.2	54.0	56.0	50.2	44.4	44.4
75°	202.6	117.7	77.2	61.7	44.4	38.6	40.5	44.4	40.5	34.7	36.7
77.5°	146.6	81.0	52.1	40.5	32.8	28.9	30.9	30.9	28.9	27.0	27.0
80°	102.3	54.0	34.7	27.0	23.2	21.2	21.2	19.3	19.3	21.2	21.2
82.5°	61.7	38.6	25.1	21.2	17.4	13.5	13.5	15.4	15.4	17.4	17.4
85°	27.0	23.2	17.4	15.4	11.6	9.6	11.6	11.6	13.5	15.4	15.4
87.5°	17.4	17.4	13.5	11.6	9.6	7.7	7.7	9.6	9.6	11.6	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: P1364603
CATALOG NUMBER: GSS-SB2A-735-U-SLR-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°	955.0	974.3	997.5	1030.3	1059.2	1094.0	1128.7	1161.5	1192.4	1196.2	1209.7
5°	831.6	868.2	914.5	968.5	1034.1	1103.6	1171.1	1242.5	1300.4	1321.6	1352.5
7.5°	704.2	750.5	818.1	901.0	993.6	1097.8	1202.0	1302.3	1389.2	1429.7	1470.2
10°	582.7	627.0	710.0	810.3	930.0	1070.8	1209.7	1344.8	1450.9	1497.2	1535.8
12.5°	472.7	517.1	584.6	700.4	845.1	1014.9	1198.1	1360.2	1477.9	1526.1	1562.8
15°	385.9	422.5	486.2	594.2	746.7	937.7	1157.6	1348.6	1483.7	1530.0	1557.0
17.5°	339.6	349.2	389.7	488.1	654.1	868.2	1105.5	1333.2	1487.5	1530.0	1545.4
20°	320.3	320.3	328.0	380.1	542.2	794.9	1066.9	1323.6	1493.3	1535.8	1533.9
22.5°	302.9	306.8	306.8	318.3	412.9	692.6	1026.4	1319.7	1510.7	1543.5	1516.5
25°	287.5	293.3	293.3	297.1	324.1	571.1	976.3	1327.4	1541.6	1558.9	1504.9
27.5°	274.0	279.8	279.8	283.6	289.4	424.5	893.3	1329.3	1576.3	1578.2	1489.5
30°	260.5	266.3	270.1	270.1	274.0	312.6	789.1	1317.8	1614.9	1603.3	1487.5
32.5°	245.0	252.7	254.7	258.5	260.5	272.0	654.1	1298.5	1663.1	1638.0	1489.5
35°	231.5	241.2	243.1	243.1	247.0	258.5	522.9	1277.2	1728.7	1684.3	1497.2
37.5°	218.0	225.7	227.7	229.6	233.5	245.0	414.8	1246.4	1784.7	1742.2	1535.8
40°	202.6	212.2	214.2	216.1	219.9	231.5	356.9	1207.8	1869.6	1838.7	1593.7
42.5°	187.1	196.8	200.7	202.6	204.5	219.9	326.1	1180.8	2006.6	1973.8	1711.4
45°	173.6	183.3	187.1	187.1	191.0	212.2	299.1	1240.6	2195.6	2180.2	1869.6
47.5°	162.1	171.7	173.6	173.6	175.6	200.7	275.9	1400.7	2485.0	2444.5	2116.5
50°	152.4	160.1	164.0	160.1	162.1	191.0	289.4	1665.1	2855.5	2869.0	2479.2
52.5°	144.7	152.4	154.4	146.6	146.6	177.5	306.8	1881.1	3328.2	3451.7	3054.2
55°	135.1	142.8	144.7	135.1	135.1	156.3	266.3	1894.6	3866.5	4263.9	3802.8
57.5°	125.4	133.1	133.1	125.4	123.5	135.1	216.1	1680.5	4283.2	5184.2	4827.3
60°	113.8	121.6	119.6	115.8	111.9	123.5	198.7	1281.1	4227.3	5784.3	6002.3
62.5°	92.6	104.2	108.0	106.1	98.4	111.9	185.2	835.4	3658.1	5263.3	5965.6
65°	*77.2*	*86.8*	*92.6*	*92.6*	*86.8*	*123.5*	*162.1*	*439.9*	*2928.8*	*4466.5*	*5259.5*
67.5°	67.5	77.2	81.0	79.1	75.2	110.0	102.3	212.2	2245.8	3849.1	4707.7
70°	59.8	67.5	71.4	65.6	61.7	88.8	73.3	125.4	1503.0	3212.4	4192.5
72.5°	48.2	56.0	59.8	54.0	48.2	65.6	56.0	83.0	978.2	2737.8	3725.6
75°	38.6	46.3	48.2	44.4	38.6	48.2	44.4	57.9	638.6	2265.1	3168.0
77.5°	28.9	32.8	36.7	34.7	28.9	34.7	30.9	40.5	364.7	1589.8	2222.6
80°	23.2	25.1	25.1	25.1	23.2	21.2	21.2	27.0	164.0	783.3	1159.6
82.5°	19.3	21.2	21.2	19.3	17.4	15.4	13.5	15.4	48.2	351.1	534.4
85°	17.4	19.3	15.4	13.5	11.6	9.6	5.8	5.8	13.5	56.0	104.2
87.5°	13.5	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	0.0

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

Scaled Data Report

REPORT NUMBER: P1364603
CATALOG NUMBER: GSS-SB2A-735-U-SLR-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°	1230.9	1250.2	1263.7	1275.3	1271.5	1261.8	1242.5	1229.0	1225.9	1225.2
5°	1393.0	1423.9	1450.9	1447.0	1450.9	1422.0	1393.0	1358.3	1344.4	1340.9
7.5°	1528.1	1566.7	1599.5	1595.6	1584.0	1551.2	1503.0	1450.9	1426.2	1420.0
10°	1601.4	1645.8	1672.8	1663.1	1643.8	1601.4	1553.1	1491.4	1463.6	1456.7
12.5°	1614.9	1643.8	1638.0	1634.2	1630.3	1609.1	1572.4	1516.5	1488.7	1481.8
15°	1580.2	1568.6	1535.8	1528.1	1557.0	1584.0	1576.3	1530.0	1503.8	1497.2
17.5°	1522.3	1462.5	1402.7	1394.9	1443.2	1518.4	1578.2	1551.2	1526.5	1520.3
20°	1458.6	1346.7	1281.1	1267.6	1327.4	1439.3	1557.0	1572.4	1555.5	1551.2
22.5°	1383.4	1252.2	1182.7	1175.0	1219.4	1350.6	1526.1	1595.6	1587.9	1585.9
25°	1317.8	1169.2	1103.6	1092.0	1149.9	1277.2	1495.3	1634.2	1629.6	1628.4
27.5°	1263.7	1109.4	1039.9	1032.2	1088.2	1215.5	1456.7	1667.0	1682.4	1686.3
30°	1221.3	1065.0	995.6	985.9	1047.7	1173.1	1429.7	1713.3	1742.6	1749.9
32.5°	1188.5	1039.9	974.3	968.5	1034.1	1155.7	1414.2	1761.5	1821.7	1836.8
35°	1176.9	1047.7	1003.3	1016.8	1066.9	1173.1	1425.8	1840.6	1924.0	1944.8
37.5°	1202.0	1132.5	1163.4	1198.1	1217.4	1256.0	1479.8	1968.0	2076.0	2103.0
40°	1283.0	1360.2	1504.9	1572.4	1564.7	1476.0	1603.3	2147.4	2301.7	2340.3
42.5°	1489.5	1740.3	2047.1	2160.9	2095.3	1827.1	1800.1	2442.6	2618.5	2662.5
45°	1796.2	2199.5	2703.1	2959.7	2733.9	2272.8	2110.7	2863.2	3033.0	3075.4
47.5°	2103.0	2712.7	3513.4	3818.2	3374.5	2714.6	2517.8	3366.8	3519.6	3557.8
50°	2415.6	3279.9	4321.8	4728.9	4013.1	3164.2	2950.0	3988.0	4099.2	4126.9
52.5°	2737.8	3787.4	5213.2	5564.3	4680.7	3511.5	3443.9	4665.2	4731.6	4748.2
55°	3096.6	4267.8	6106.5	6390.1	5288.4	3814.4	4022.7	5373.3	5356.3	5352.1
57.5°	3575.1	4773.3	6826.1	7221.7	5840.2	4223.4	4796.4	6160.5	5828.6	5745.7
60°	4410.6	5558.5	7721.4	8151.6	6579.2	4821.5	5365.6	6143.1	5550.4	5402.3
62.5°	5379.1	6314.8	8531.7	8894.4	7356.7	5415.8	4912.2	5159.2	4572.6	4426.0
65°	4672.9	6181.7	8556.8	8929.2	7385.7	5053.0	3631.1	3658.1	3164.2	3040.7
67.5°	3976.4	5479.4	7792.7	8086.0	6588.8	4177.1	2407.9	2386.6	2076.4	1998.8
70°	3540.4	4800.3	6716.2	6463.4	5539.2	3530.8	1599.5	1325.5	1132.5	1084.3
72.5°	3181.5	3808.6	5442.8	4454.9	4595.8	2872.8	1016.8	902.9	753.2	715.8
75°	2880.6	3150.7	3395.7	3079.3	3264.5	2367.3	862.4	696.5	569.9	538.3
77.5°	2292.1	2452.2	2010.4	1952.5	2286.3	1684.3	428.3	293.3	256.2	247.0
80°	1364.1	1159.6	1140.3	1300.4	1522.3	874.0	262.4	162.1	146.6	142.8
82.5°	825.8	418.7	455.3	575.0	810.3	397.5	156.3	69.5	61.7	59.8
85°	138.9	113.8	175.6	167.9	158.2	84.9	42.4	19.3	17.8	17.4
87.5°	3.9	5.8	7.7	9.6	9.6	9.6	9.6	9.6	11.2	11.6
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: SP1-2407-184-5

Test Date: 10/10/2024

Luminaire Tested: GSS-SB1A-735-U-5WQ

Data in this report applies to families of products including GSS-SB1A-735-U-5WQ

Report Generated By FNC07603 / LDUCLS01DT446
Version: v7.04

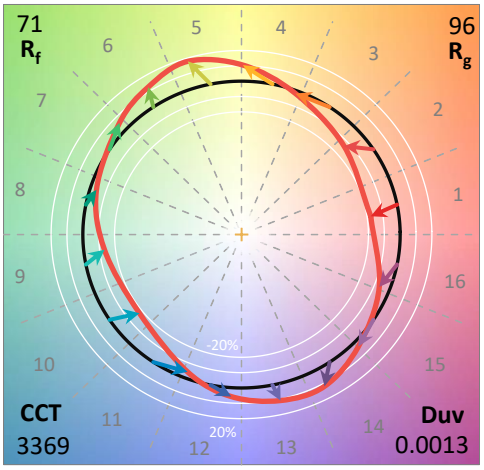
Test Information

Test Method:	LM-79-2019
Report Number:	SP1-2407-184-5
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-735-U-5WQ**
Description:	GALLEON II SITE SLIM 1SQ 350MA 5WQ HIGH DENSITY LIGHTSQUARE WITH 70 CRI 3500K CCT 26 LEDS

Spectral Parameters

CCT (K):	3369
CIE u':	0.2386
CIE v':	0.5156
Duv:	0.0013
CIE x:	0.4143
CIE y:	0.3980
CIE z:	0.1877
Peak Wavelength (nm):	590
Dominant Wavelength (nm):	580
Purity:	43.80166
Rf:	71.4
Rg:	96

CRI (Ra):	70.1
R1:	66.6
R2:	77.6
R3:	88.5
R4:	69.5
R5:	66.4
R6:	69.6
R7:	77.5
R8:	44.9
R9:	-40.2
R10:	49.1
R11:	66.3
R12:	45.7
R13:	68.0
R14:	93.4
R15:	57.6



Test Conditions

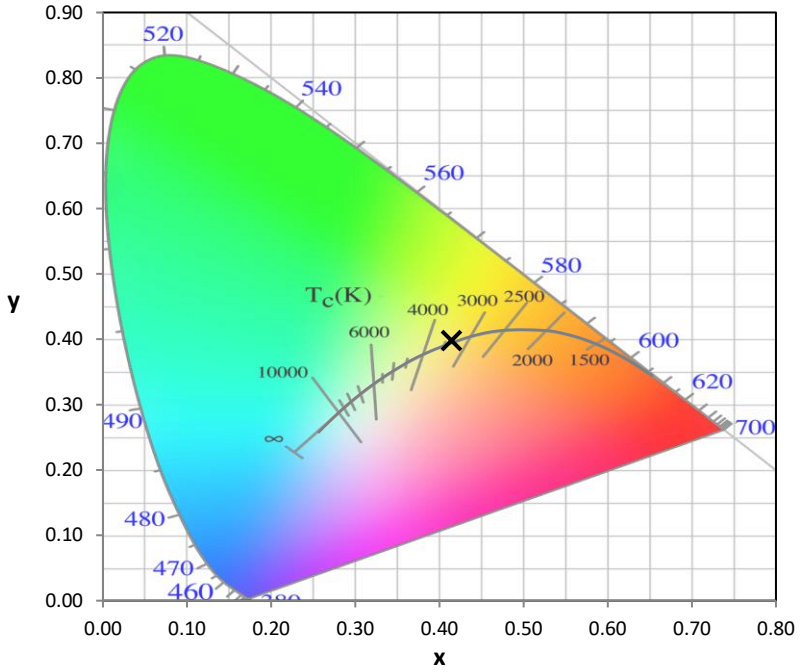
Stabilization Time:	21M
Operation Time:	1H 21M
Sphere Temperature (°C):	25.2

REPORT NUMBER: SP1-2407-184-5

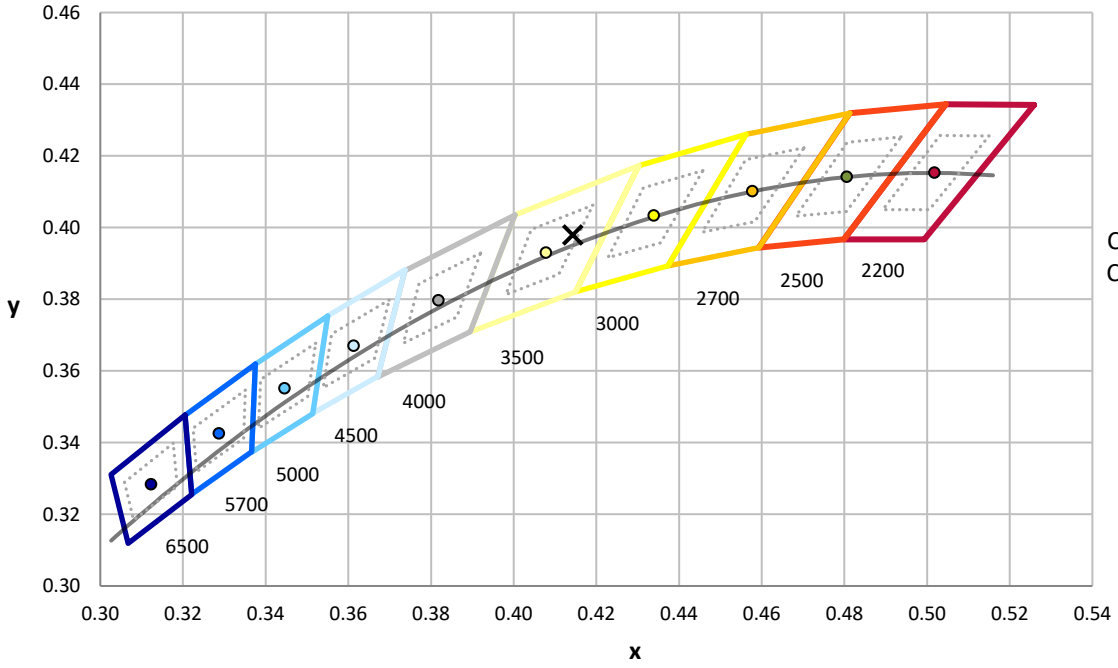
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

REPORT NUMBER: SP1-2407-184-5

CIE 1931 Chromaticity Diagram



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

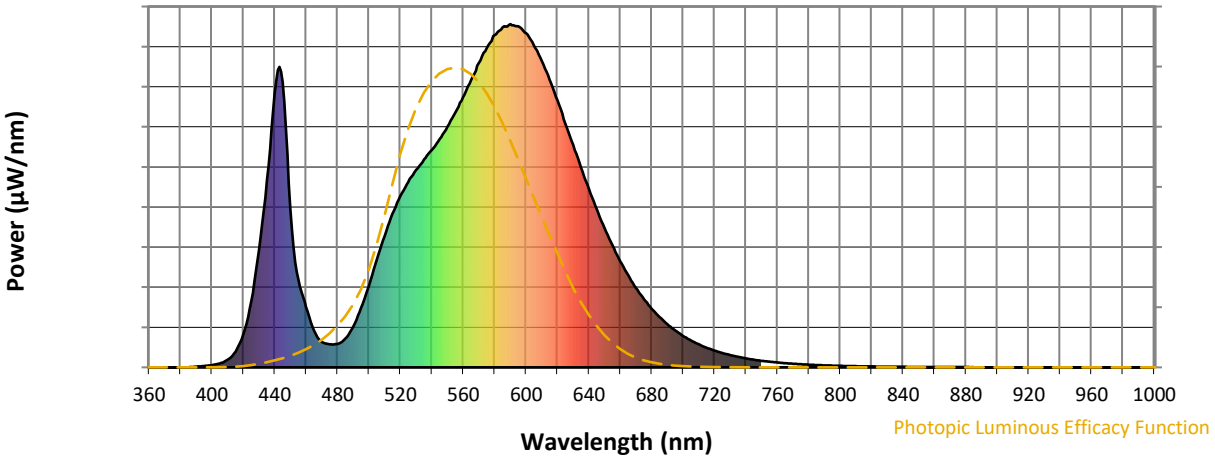


CCT = 3369K
CIE x = 0.4143
CIE y = 0.3980
Duv = 0.0013

Point lies inside the ANSI 3500K 4-step quadrangle

REPORT NUMBER: SP1-2407-184-5

Photopic Flux vs. Wavelength

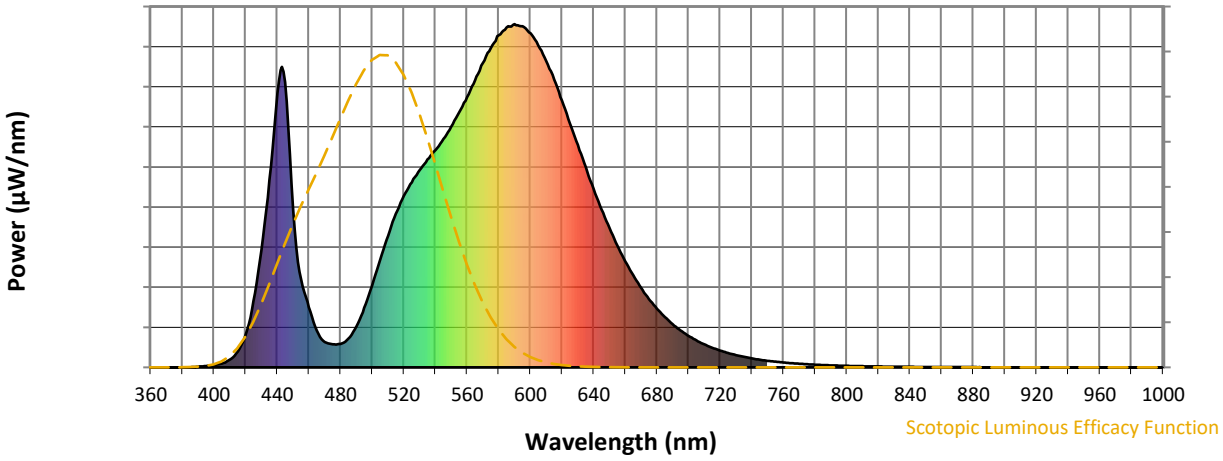


Photopic Lumens: NR

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	119	NR	620	778	NR	750	19	NR	880	1	NR
365	0	NR	495	173	NR	625	711	NR	755	16	NR	885	0	NR
370	0	NR	500	239	NR	630	648	NR	760	14	NR	890	0	NR
375	0	NR	505	313	NR	635	582	NR	765	12	NR	895	0	NR
380	0	NR	510	383	NR	640	520	NR	770	11	NR	900	0	NR
385	0	NR	515	448	NR	645	460	NR	775	9	NR	905	0	NR
390	2	NR	520	500	NR	650	406	NR	780	8	NR	910	0	NR
395	4	NR	525	539	NR	655	355	NR	785	7	NR	915	0	NR
400	6	NR	530	575	NR	660	309	NR	790	6	NR	920	0	NR
405	11	NR	535	606	NR	665	269	NR	795	5	NR	925	0	NR
410	22	NR	540	633	NR	670	231	NR	800	4	NR	930	0	NR
415	45	NR	545	666	NR	675	199	NR	805	4	NR	935	0	NR
420	96	NR	550	701	NR	680	171	NR	810	3	NR	940	0	NR
425	193	NR	555	743	NR	685	147	NR	815	3	NR	945	0	NR
430	341	NR	560	788	NR	690	126	NR	820	3	NR	950	0	NR
435	547	NR	565	837	NR	695	107	NR	825	2	NR	955	0	NR
440	799	NR	570	887	NR	700	92	NR	830	2	NR	960	0	NR
445	831	NR	575	931	NR	705	78	NR	835	2	NR	965	0	NR
450	461	NR	580	967	NR	710	67	NR	840	2	NR	970	0	NR
455	256	NR	585	990	NR	715	57	NR	845	1	NR	975	0	NR
460	176	NR	590	1000	NR	720	49	NR	850	1	NR	980	0	NR
465	107	NR	595	994	NR	725	42	NR	855	1	NR	985	0	NR
470	74	NR	600	973	NR	730	36	NR	860	1	NR	990	0	NR
475	67	NR	605	938	NR	735	31	NR	865	1	NR	995	0	NR
480	68	NR	610	892	NR	740	26	NR	870	1	NR	1000	0	NR
485	84	NR	615	838	NR	745	22	NR	875	1	NR			

REPORT NUMBER: SP1-2407-184-5

Scotopic Flux vs. Wavelength

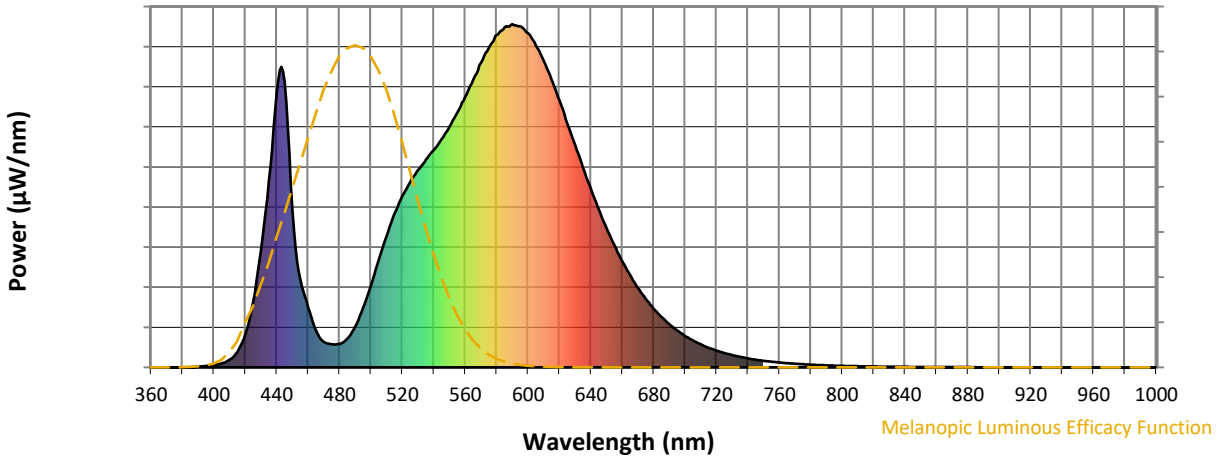


Scotopic Lumens: NR **S/P: 1.29**

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	119	NR	620	778	NR	750	19	NR	880	1	NR
365	0	NR	495	173	NR	625	711	NR	755	16	NR	885	0	NR
370	0	NR	500	239	NR	630	648	NR	760	14	NR	890	0	NR
375	0	NR	505	313	NR	635	582	NR	765	12	NR	895	0	NR
380	0	NR	510	383	NR	640	520	NR	770	11	NR	900	0	NR
385	0	NR	515	448	NR	645	460	NR	775	9	NR	905	0	NR
390	2	NR	520	500	NR	650	406	NR	780	8	NR	910	0	NR
395	4	NR	525	539	NR	655	355	NR	785	7	NR	915	0	NR
400	6	NR	530	575	NR	660	309	NR	790	6	NR	920	0	NR
405	11	NR	535	606	NR	665	269	NR	795	5	NR	925	0	NR
410	22	NR	540	633	NR	670	231	NR	800	4	NR	930	0	NR
415	45	NR	545	666	NR	675	199	NR	805	4	NR	935	0	NR
420	96	NR	550	701	NR	680	171	NR	810	3	NR	940	0	NR
425	193	NR	555	743	NR	685	147	NR	815	3	NR	945	0	NR
430	341	NR	560	788	NR	690	126	NR	820	3	NR	950	0	NR
435	547	NR	565	837	NR	695	107	NR	825	2	NR	955	0	NR
440	799	NR	570	887	NR	700	92	NR	830	2	NR	960	0	NR
445	831	NR	575	931	NR	705	78	NR	835	2	NR	965	0	NR
450	461	NR	580	967	NR	710	67	NR	840	2	NR	970	0	NR
455	256	NR	585	990	NR	715	57	NR	845	1	NR	975	0	NR
460	176	NR	590	1000	NR	720	49	NR	850	1	NR	980	0	NR
465	107	NR	595	994	NR	725	42	NR	855	1	NR	985	0	NR
470	74	NR	600	973	NR	730	36	NR	860	1	NR	990	0	NR
475	67	NR	605	938	NR	735	31	NR	865	1	NR	995	0	NR
480	68	NR	610	892	NR	740	26	NR	870	1	NR	1000	0	NR
485	84	NR	615	838	NR	745	22	NR	875	1	NR			

REPORT NUMBER: SP1-2407-184-5

Melanopic Flux vs. Wavelength



Melanopic Lumens: NR **M/P: 2.36**

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	119	NR	620	778	NR	750	19	NR	880	1	NR
365	0	NR	495	173	NR	625	711	NR	755	16	NR	885	0	NR
370	0	NR	500	239	NR	630	648	NR	760	14	NR	890	0	NR
375	0	NR	505	313	NR	635	582	NR	765	12	NR	895	0	NR
380	0	NR	510	383	NR	640	520	NR	770	11	NR	900	0	NR
385	0	NR	515	448	NR	645	460	NR	775	9	NR	905	0	NR
390	2	NR	520	500	NR	650	406	NR	780	8	NR	910	0	NR
395	4	NR	525	539	NR	655	355	NR	785	7	NR	915	0	NR
400	6	NR	530	575	NR	660	309	NR	790	6	NR	920	0	NR
405	11	NR	535	606	NR	665	269	NR	795	5	NR	925	0	NR
410	22	NR	540	633	NR	670	231	NR	800	4	NR	930	0	NR
415	45	NR	545	666	NR	675	199	NR	805	4	NR	935	0	NR
420	96	NR	550	701	NR	680	171	NR	810	3	NR	940	0	NR
425	193	NR	555	743	NR	685	147	NR	815	3	NR	945	0	NR
430	341	NR	560	788	NR	690	126	NR	820	3	NR	950	0	NR
435	547	NR	565	837	NR	695	107	NR	825	2	NR	955	0	NR
440	799	NR	570	887	NR	700	92	NR	830	2	NR	960	0	NR
445	831	NR	575	931	NR	705	78	NR	835	2	NR	965	0	NR
450	461	NR	580	967	NR	710	67	NR	840	2	NR	970	0	NR
455	256	NR	585	990	NR	715	57	NR	845	1	NR	975	0	NR
460	176	NR	590	1000	NR	720	49	NR	850	1	NR	980	0	NR
465	107	NR	595	994	NR	725	42	NR	855	1	NR	985	0	NR
470	74	NR	600	973	NR	730	36	NR	860	1	NR	990	0	NR
475	67	NR	605	938	NR	735	31	NR	865	1	NR	995	0	NR
480	68	NR	610	892	NR	740	26	NR	870	1	NR	1000	0	NR
485	84	NR	615	838	NR	745	22	NR	875	1	NR			

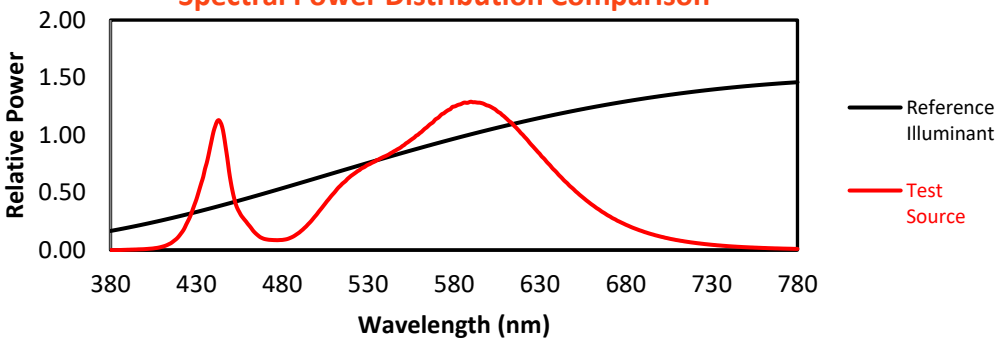
REPORT NUMBER: SP1-2407-184-5

TM-30-18

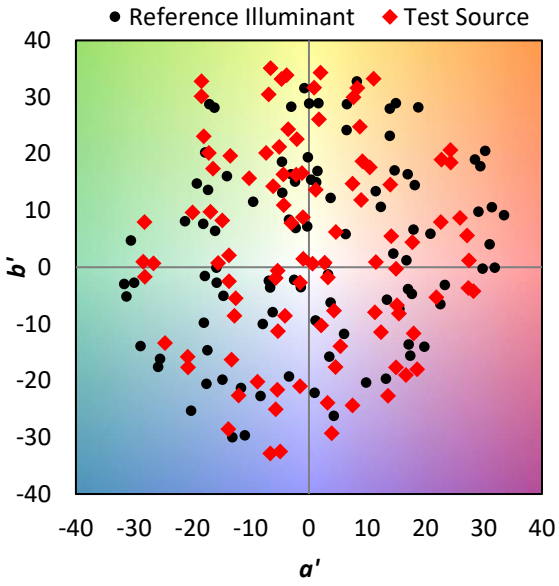
Summary

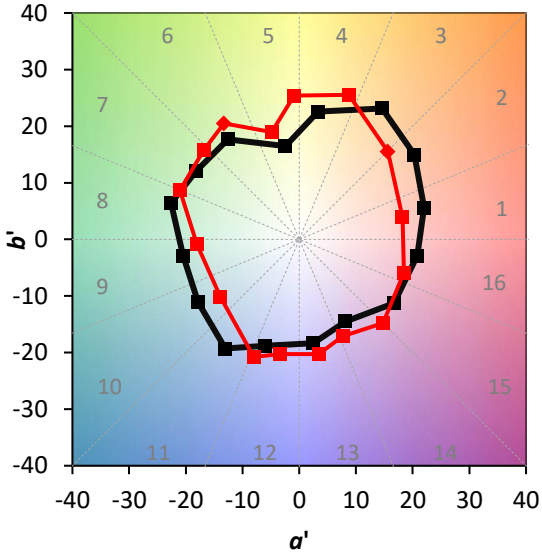
R_f = 71.4
R_g = 96
CIE R_a = 70.1
R_9 = -40.2

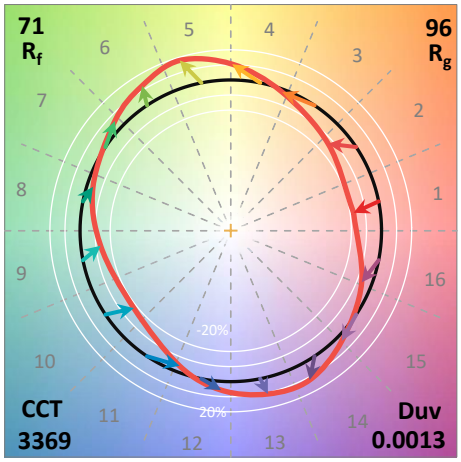
Spectral Power Distribution Comparison

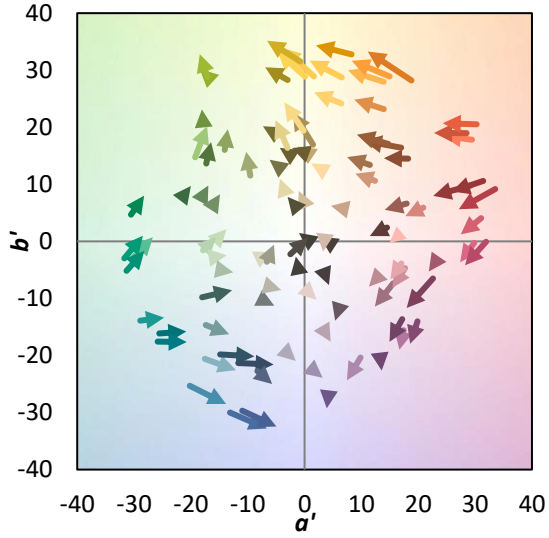


Color Vector Graphics







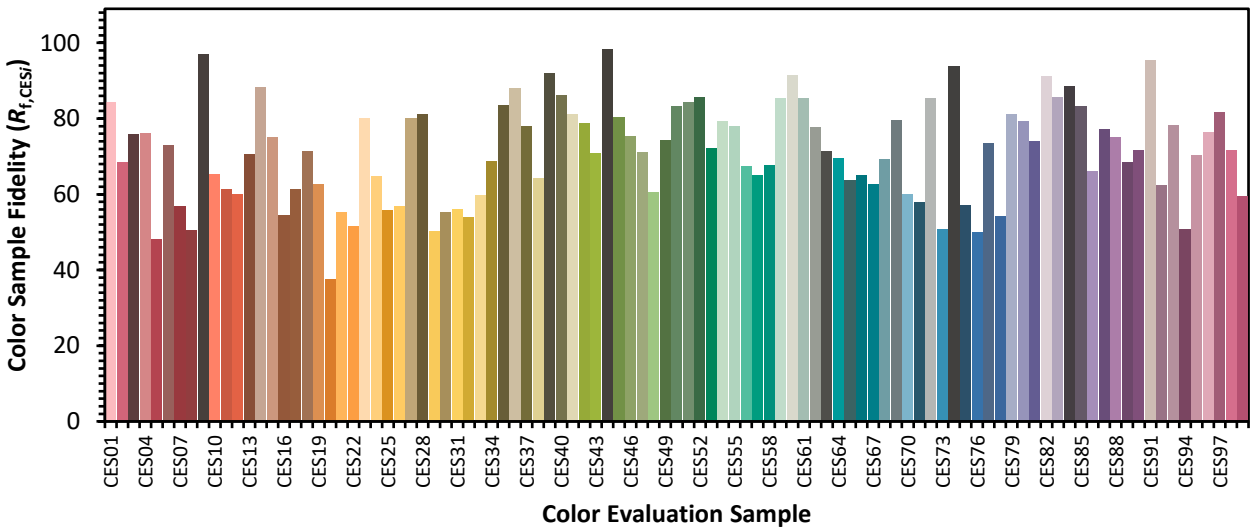


REPORT NUMBER: SP1-2407-184-5

TM-30-18

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

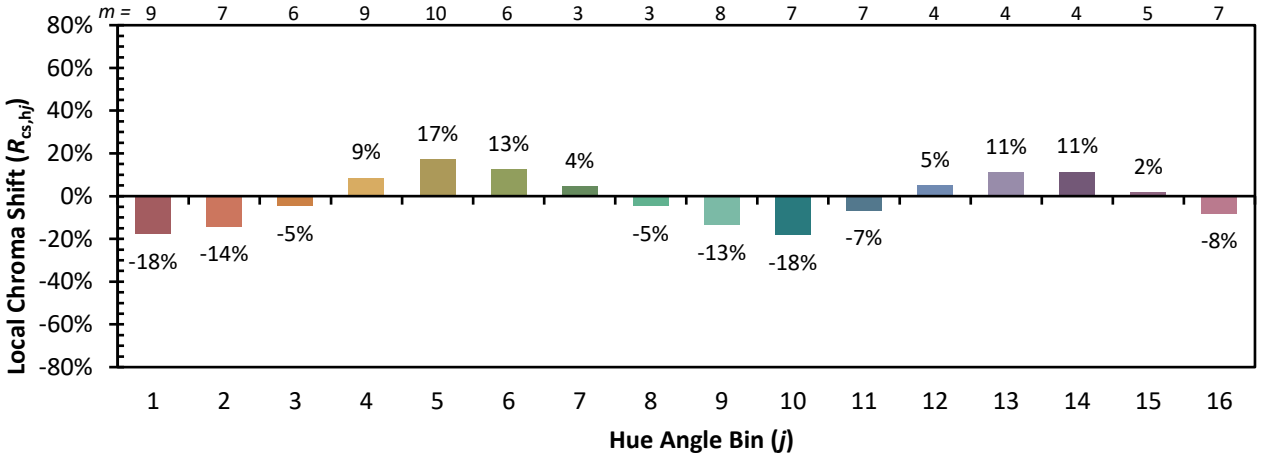
CES01 = 86	CES26 = 57	CES51 = 84	CES76 = 50
CES02 = 62	CES27 = 80	CES52 = 86	CES77 = 74
CES03 = 31	CES28 = 81	CES53 = 72	CES78 = 54
CES04 = 70	CES29 = 50	CES54 = 79	CES79 = 81
CES05 = 48	CES30 = 55	CES55 = 78	CES80 = 79
CES06 = 51	CES31 = 56	CES56 = 67	CES81 = 74
CES07 = 40	CES32 = 54	CES57 = 65	CES82 = 91
CES08 = 39	CES33 = 60	CES58 = 68	CES83 = 86
CES09 = 29	CES34 = 69	CES59 = 85	CES84 = 89
CES10 = 75	CES35 = 83	CES60 = 91	CES85 = 83
CES11 = 58	CES36 = 88	CES61 = 85	CES86 = 66
CES12 = 64	CES37 = 78	CES62 = 78	CES87 = 77
CES13 = 43	CES38 = 64	CES63 = 71	CES88 = 75
CES14 = 74	CES39 = 92	CES64 = 70	CES89 = 68
CES15 = 71	CES40 = 86	CES65 = 64	CES90 = 72
CES16 = 47	CES41 = 81	CES66 = 65	CES91 = 95
CES17 = 50	CES42 = 79	CES67 = 63	CES92 = 62
CES18 = 56	CES43 = 71	CES68 = 69	CES93 = 78
CES19 = 72	CES44 = 98	CES69 = 80	CES94 = 51
CES20 = 65	CES45 = 80	CES70 = 60	CES95 = 70
CES21 = 87	CES46 = 75	CES71 = 58	CES96 = 76
CES22 = 79	CES47 = 71	CES72 = 85	CES97 = 82
CES23 = 92	CES48 = 61	CES73 = 51	CES98 = 72
CES24 = 91	CES49 = 74	CES74 = 94	CES99 = 60
CES25 = 72	CES50 = 83	CES75 = 57	

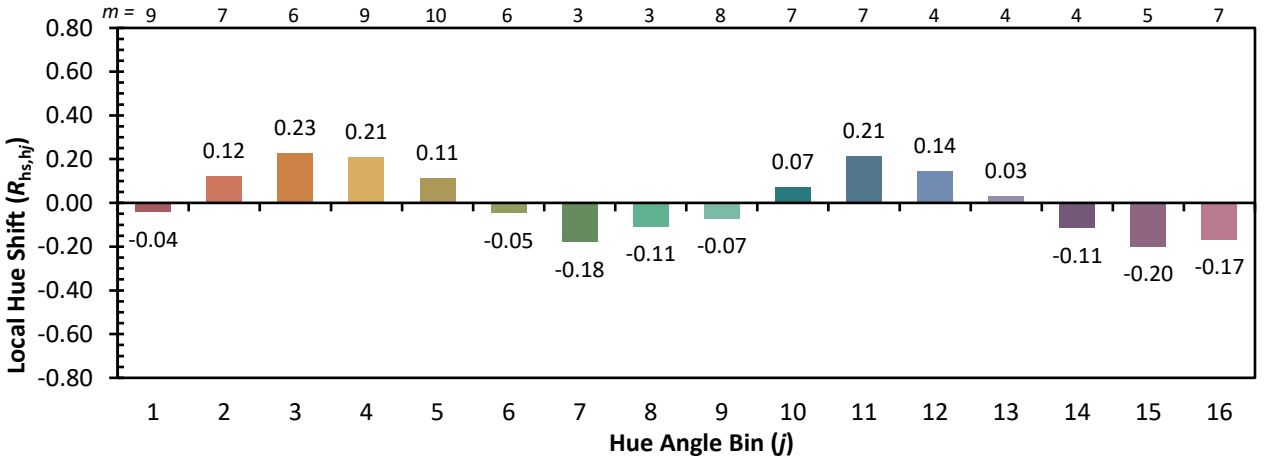


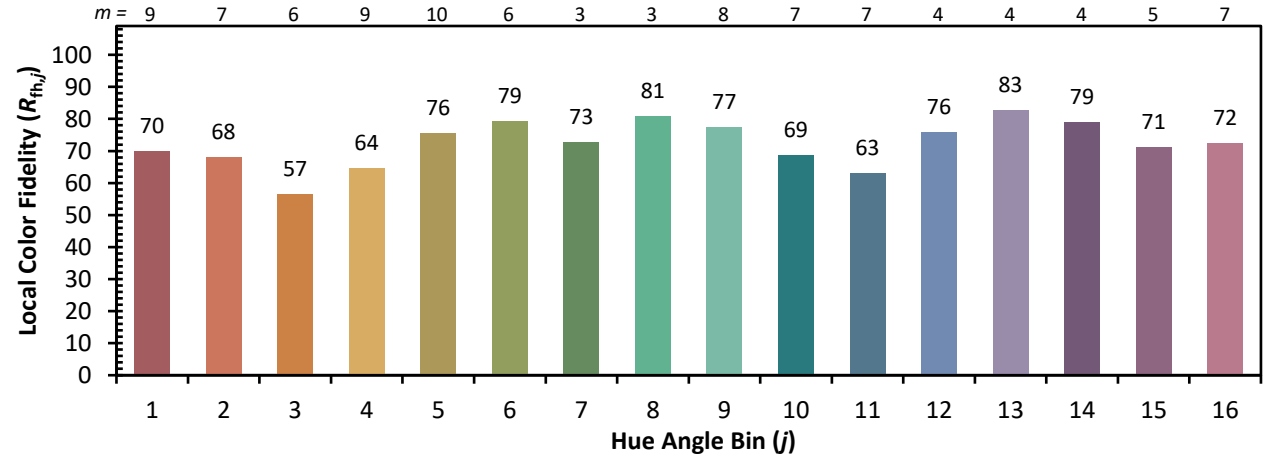
REPORT NUMBER: SP1-2407-184-5

TM-30-18

Color Rendition by Hue-Angle Bin



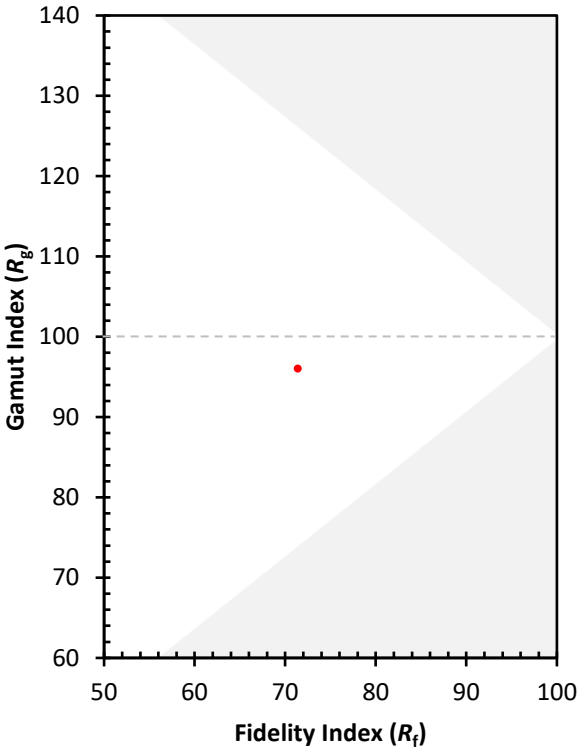


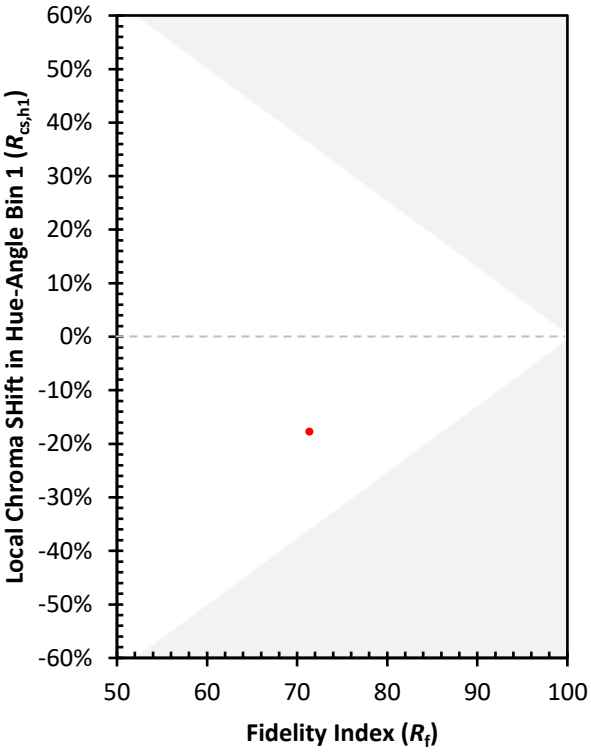


REPORT NUMBER: SP1-2407-184-5

TM-30-18

Measure Comparisons





(END OF REPORT)