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: P1365298

Luminaire Tested: **GSS-SB1D-722-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:	P1365298
Test Lab:	INNOVATION CENTER(G1)
Issue Date:	02/18/2026
Manufacturer:	COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line:	McGRAW-EDISON
Catalog Number:	GSS-SB1D-722-U-SLL-HSS
Description:	GALLEON II SLIM SITE HIGH DENSITY LED ARRAYS 1SQUARE 76W 70CRI 2200K FIXTURE w/ 90° Spill Light Eliminator LETT OPTIC OPTIC AND HOUSE SIDE SHIELD
Light Source:	(26) 2200K CCT, 70 CRI LEDS
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	5811.6 lumens
Efficiency:	N/A
Efficacy:	76.5 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

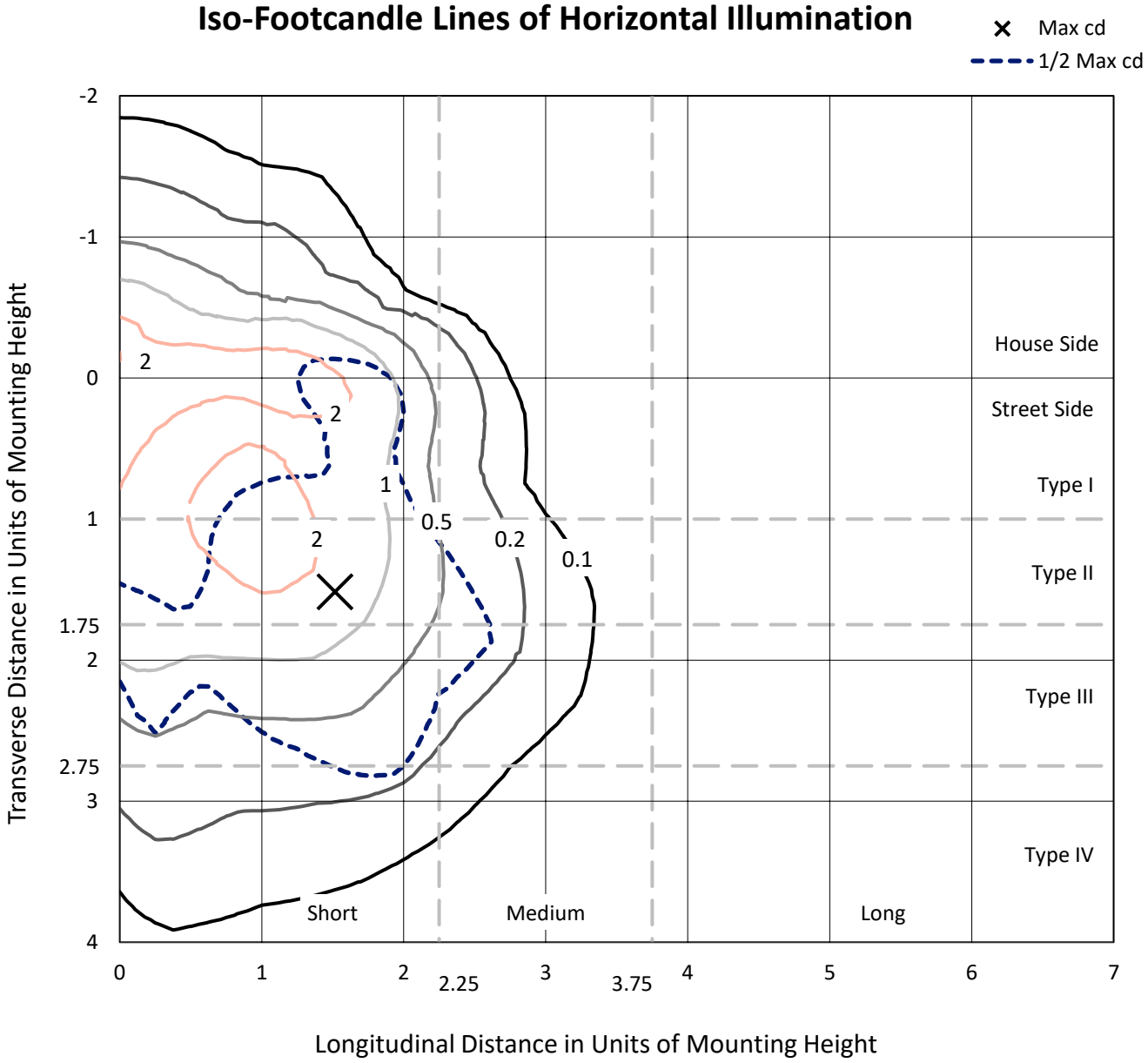
Input Watts (W):	76
Input Voltage (V):	120
Input Current (Ain):	NR
Voltage Rise (V):	NR
Power Factor:	0.98
Total Harmonic Distortion (THDi):	6.7%
Frequency (hertz):	60
Stabilization Time:	NR
Operation Time:	NR
Ambient Temperature (°C):	NR
Test Distance:	28.75 FT

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

Scaled Data Report

REPORT NUMBER: P1365298
CATALOG NUMBER: GSS-SB1D-722-U-SLL-HSS

Iso-Footcandle Lines of Horizontal Illumination



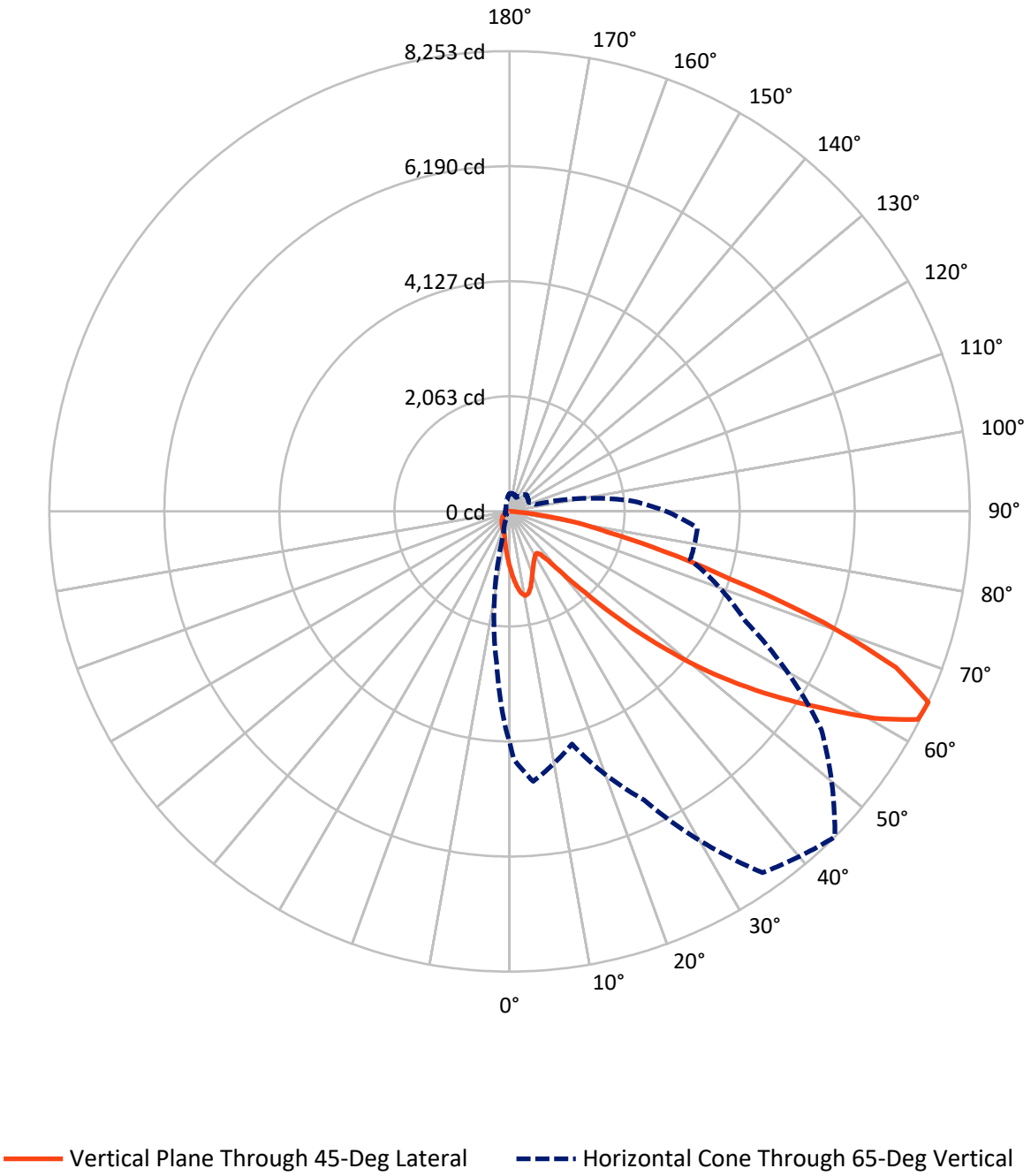
Based on 20 foot mounting height. Maximum calculated value = 3.7 fc
Type III - Short - N/A

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

Scaled Data Report

REPORT NUMBER: P1365298
CATALOG NUMBER: GSS-SB1D-722-U-SLL-HSS

Luminous Intensity Polar Plot



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

Scaled Data Report

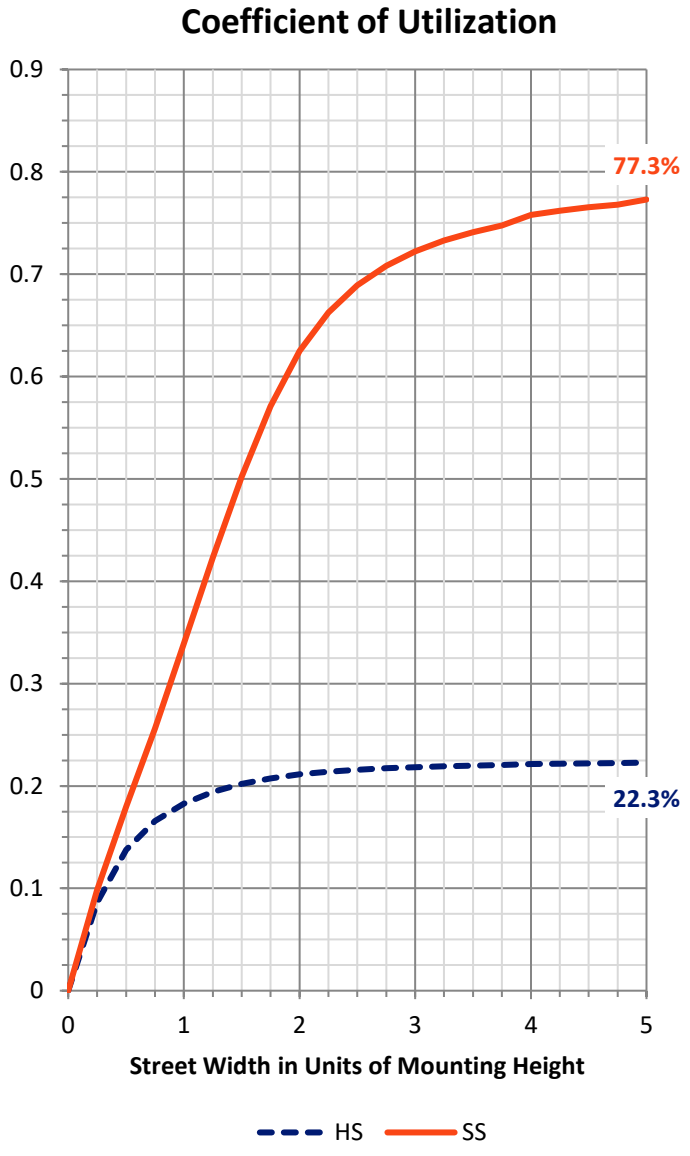
REPORT NUMBER: P1365298
CATALOG NUMBER: GSS-SB1D-722-U-SLL-HSS

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1307.3	0.0	1307.3
	% Fixture	22.5	0.0	22.5
Street Side	Lumens	4504.3	0.0	4504.3
	% Fixture	77.5	0.0	77.5
Total	Lumens	5811.6	0.0	5811.6
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	96.5	1.7
10°-20°	266.9	4.6
20°-30°	382.2	6.6
30°-40°	479.5	8.3
40°-50°	787.6	13.6
50°-60°	1422.1	24.5
60°-70°	1578.7	27.2
70°-80°	713.6	12.3
80°-90°	84.5	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°	5811.6	100.0
0°-180°	5811.6	100.0



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

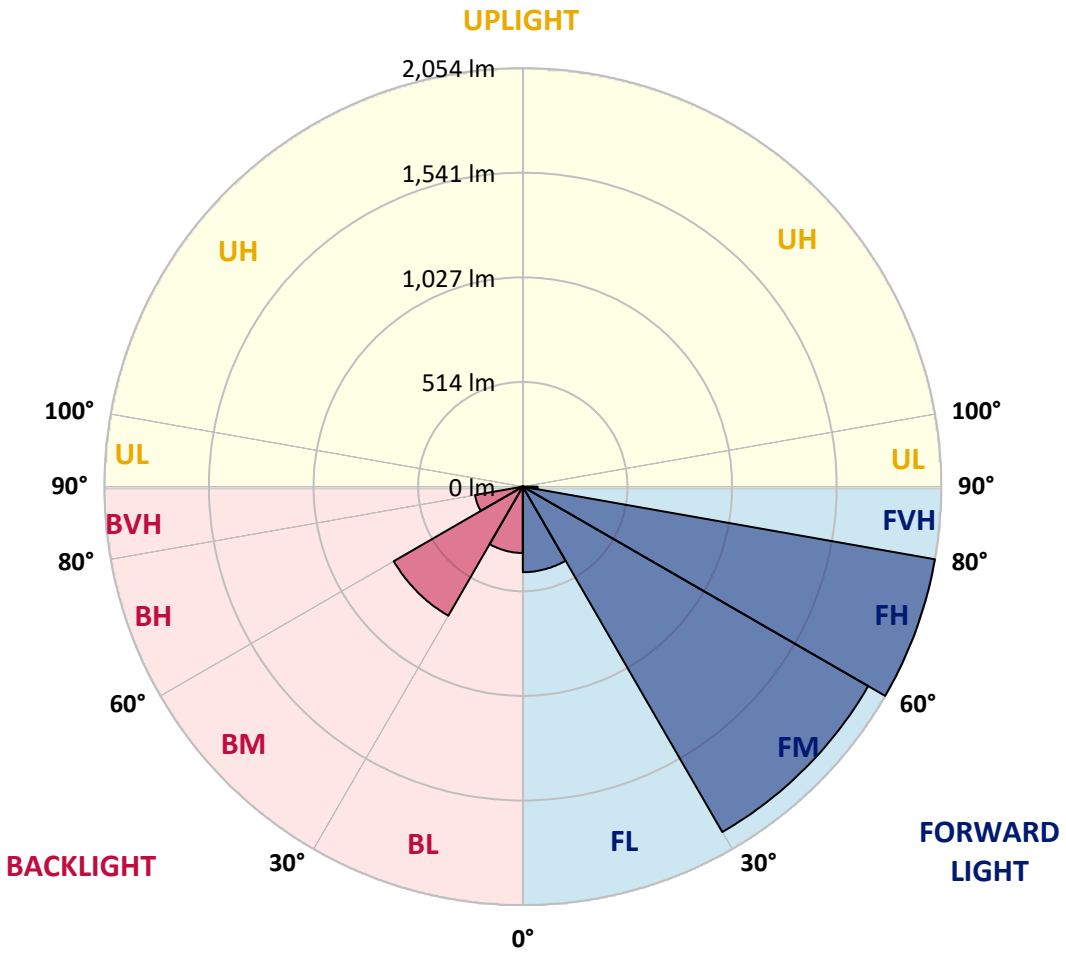
Scaled Data Report

REPORT NUMBER: P1365298
CATALOG NUMBER: GSS-SB1D-722-U-SLL-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	419.8	7.2			
FM	(30°-60°)	1957.7	33.7			
FH	(60°-80°)	2054.2	35.3			G2/5000
FVH	(80°-90°)	72.5	1.2			G1/100
BL	(0°-30°)	325.8	5.6	B1/500		
BM	(30°-60°)	731.5	12.6	B1/1000		
BH	(60°-80°)	238.1	4.1	B1/500		G1/500
BVH	(80°-90°)	11.9	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: P1365298
CATALOG NUMBER: GSS-SB1D-722-U-SLL-HSS

CANDELA DISTRIBUTION (FULL):

	0°	1°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	1004.0	1004.0	1004.0	1004.0	1004.0	1004.0	*1004.0*	1004.0	1004.0	1004.0	1004.0
2.5°	1105.7	1119.9	1118.2	1137.8	1155.6	1168.1	*1178.8*	1175.2	1166.3	1148.5	1136.0
5°	1221.6	1232.3	1250.1	1287.6	1316.1	1341.1	*1337.5*	1341.1	1314.3	1287.6	1255.5
7.5°	1321.5	1333.9	1358.9	1412.4	1448.1	1478.4	*1474.8*	1464.1	1433.8	1389.2	1341.1
10°	1383.9	1392.8	1419.5	1480.2	1521.2	1546.2	*1537.2*	1519.4	1480.2	1435.6	1378.5
12.5°	1410.6	1421.3	1444.5	1492.7	1519.4	1514.1	*1510.5*	1506.9	1487.3	1453.4	1401.7
15°	1414.2	1421.3	1439.2	1460.6	1449.9	1419.5	*1412.4*	1439.2	1464.1	1457.0	1414.2
17.5°	1414.2	1424.9	1428.5	1407.1	1351.8	1296.5	*1289.4*	1333.9	1403.5	1458.8	1433.8
20°	1419.5	1424.9	1417.8	1348.2	1244.8	1184.1	*1171.7*	1226.9	1330.4	1439.2	1453.4
22.5°	1426.7	1432.0	1401.7	1278.7	1157.4	1093.2	*1086.1*	1127.1	1248.3	1410.6	1474.8
25°	1440.9	1437.4	1391.0	1218.0	1080.7	1020.1	*1009.4*	1062.9	1180.6	1382.1	1510.5
27.5°	1458.8	1442.7	1376.7	1168.1	1025.4	961.2	*954.1*	1005.8	1123.5	1346.4	1540.8
30°	1482.0	1465.9	1375.0	1128.9	984.4	920.2	*911.3*	968.4	1084.3	1321.5	1583.6
32.5°	1514.1	1490.9	1376.7	1098.5	961.2	900.6	*895.2*	955.9	1068.2	1307.2	1628.2
35°	1556.9	1523.0	1383.9	1087.8	968.4	927.3	*939.8*	986.2	1084.3	1317.9	1701.3
37.5°	1610.4	1578.3	1419.5	1111.0	1046.8	1075.4	*1107.5*	1125.3	1161.0	1367.8	1819.0
40°	1699.5	1654.9	1473.0	1185.9	1257.3	1391.0	*1453.4*	1446.3	1364.3	1482.0	1984.9
42.5°	1824.4	1783.4	1581.8	1376.7	1608.6	1892.1	*1997.4*	1936.7	1688.8	1663.9	2257.7
45°	2015.2	1947.4	1728.1	1660.3	2033.0	2498.5	*2735.7*	2527.0	2100.8	1951.0	2646.5
47.5°	2259.5	2191.7	1956.3	1943.9	2507.4	3247.5	*3529.3*	3119.1	2509.2	2327.3	3111.9
50°	2651.8	2576.9	2291.6	2232.8	3031.7	3994.7	*4371.0*	3709.4	2924.7	2726.7	3686.2
52.5°	3190.4	3140.5	2823.0	2530.6	3500.7	4818.6	*5143.2*	4326.4	3245.7	3183.3	4312.1
55°	3941.2	3893.1	3515.0	2862.3	3944.8	5644.3	*5906.5*	4888.2	3525.7	3718.3	4966.6
57.5°	4791.9	4872.1	4461.9	3304.5	4412.0	6309.5	*6675.1*	5398.2	3903.8	4433.4	5694.2
60°	5346.5	5599.7	5548.0	4076.7	5137.8	7137.0	*7534.7*	6081.2	4456.6	4959.5	5678.2
62.5°	4865.0	5118.2	5514.1	4972.0	5836.9	7886.0	*8221.2*	6799.9	5005.9	4540.4	4768.7
65°	*4128.5*	*4444.1*	*4861.4*	*4319.3*	*5713.9*	*7909.2*	*8253.3*	*6826.7*	*4670.6*	*3356.3*	*3381.2*
67.5°	3557.8	3837.8	4351.4	3675.5	5064.7	7203.0	*7474.0*	6090.1	3861.0	2225.6	2206.0
70°	2969.3	3226.1	3875.2	3272.4	4437.0	6207.8	*5974.2*	5120.0	3263.5	1478.4	1225.2
72.5°	2530.6	2767.8	3443.6	2940.7	3520.3	5030.8	*4117.8*	4247.9	2655.4	939.8	834.6
75°	2093.7	2311.2	2928.3	2662.5	2912.2	3138.7	*2846.2*	3017.4	2188.2	797.2	643.8
77.5°	1469.5	1605.0	2054.4	2118.6	2266.6	1858.3	*1804.8*	2113.3	1556.9	395.9	271.1
80°	724.0	807.9	1071.8	1260.8	1071.8	1054.0	*1202.0*	1407.1	807.9	242.5	149.8
82.5°	324.6	385.2	494.0	763.3	387.0	420.9	*531.4*	749.0	367.4	144.5	64.2
85°	51.7	57.1	96.3	128.4	105.2	162.3	*155.2*	146.2	78.5	39.2	17.8
87.5°	1.8	1.8	1.8	3.6	5.4	7.1	*8.9*	8.9	8.9	8.9	8.9
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: P1365298
CATALOG NUMBER: GSS-SB1D-722-U-SLL-HSS

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1004.0	1004.0	1004.0	1004.0	1004.0	1004.0	1004.0	1004.0	1004.0	1004.0	1004.0
2.5°	1132.4	1127.1	1100.3	1073.6	1050.4	1027.2	1004.0	971.9	947.0	925.6	916.6
5°	1239.4	1210.9	1169.9	1125.3	1086.1	1041.5	998.7	950.5	911.3	870.3	848.9
7.5°	1312.5	1284.0	1216.2	1148.5	1100.3	1052.2	1007.6	954.1	902.4	843.5	811.4
10°	1346.4	1314.3	1241.2	1162.7	1103.9	1055.7	1014.7	970.1	918.4	845.3	802.5
12.5°	1369.6	1330.4	1246.6	1166.3	1107.5	1057.5	1018.3	986.2	955.9	884.5	834.6
15°	1383.9	1348.2	1260.8	1168.1	1102.1	1043.3	1005.8	995.1	1000.5	966.6	905.9
17.5°	1405.3	1371.4	1278.7	1178.8	1093.2	1012.9	971.9	995.1	1043.3	1054.0	1005.8
20°	1433.8	1398.1	1301.8	1187.7	1066.4	955.9	916.6	975.5	1055.7	1111.0	1084.3
22.5°	1465.9	1437.4	1328.6	1196.6	1027.2	881.0	863.1	934.5	1020.1	1091.4	1093.2
25°	1505.1	1478.4	1366.0	1205.5	973.7	816.8	820.3	881.0	948.7	1021.9	1034.3
27.5°	1558.6	1533.7	1412.4	1216.2	918.4	765.1	782.9	827.5	873.8	918.4	936.3
30°	1617.5	1597.9	1467.7	1237.6	866.7	734.7	745.4	775.8	813.2	840.0	848.9
32.5°	1697.7	1665.6	1519.4	1235.9	827.5	720.5	709.8	718.7	749.0	775.8	777.5
35°	1797.6	1772.7	1572.9	1203.8	791.8	713.3	675.9	670.5	688.4	715.1	713.3
37.5°	1943.9	1922.5	1660.3	1153.8	747.2	695.5	640.2	622.4	634.9	652.7	658.1
40°	2163.2	2107.9	1760.2	1098.5	702.6	663.4	597.4	572.5	581.4	601.0	604.6
42.5°	2461.0	2355.8	1893.9	1023.6	659.8	615.3	554.6	527.9	533.2	551.1	554.6
45°	2842.7	2683.9	2077.6	945.2	626.0	565.3	510.0	481.5	486.9	506.5	515.4
47.5°	3288.5	3070.9	2270.2	861.4	606.3	526.1	465.5	444.1	456.5	476.2	479.7
50°	3814.6	3595.2	2393.3	793.6	593.9	495.8	424.4	415.5	431.6	447.6	451.2
52.5°	4388.8	4076.7	2314.8	738.3	583.2	485.1	395.9	399.5	412.0	428.0	433.4
55°	4947.0	4253.3	2054.4	667.0	570.7	492.2	374.5	383.4	399.5	412.0	415.5
57.5°	5310.8	4105.3	1654.9	592.1	556.4	497.6	363.8	370.9	388.8	403.0	404.8
60°	4993.4	3780.7	1239.4	527.9	526.1	488.6	360.2	349.5	374.5	387.0	388.8
62.5°	4091.0	3092.3	791.8	467.2	469.0	469.0	358.5	313.9	346.0	356.7	354.9
65°	*2810.6*	*2186.4*	*490.4*	*381.6*	*399.5*	*426.2*	*347.8*	*276.4*	*313.9*	*324.6*	*321.0*
67.5°	1847.6	1389.2	303.2	294.3	328.1	369.2	326.4	247.9	281.8	288.9	278.2
70°	1002.2	654.5	199.7	192.6	256.8	290.7	276.4	222.9	251.5	258.6	247.9
72.5°	661.6	376.3	140.9	140.9	201.5	203.3	226.5	199.7	222.9	230.1	219.4
75°	497.6	242.5	98.1	108.8	128.4	158.7	162.3	167.6	189.0	198.0	187.3
77.5°	228.3	89.2	58.9	80.3	89.2	121.3	103.4	124.8	140.9	144.5	135.5
80°	132.0	49.9	39.2	51.7	57.1	99.9	60.6	74.9	99.9	105.2	94.5
82.5°	55.3	25.0	26.8	32.1	33.9	55.3	42.8	48.2	66.0	64.2	57.1
85°	16.1	16.1	17.8	19.6	19.6	32.1	30.3	28.5	30.3	30.3	25.0
87.5°	10.7	10.7	10.7	12.5	12.5	14.3	16.1	17.8	17.8	17.8	16.1
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: P1365298
CATALOG NUMBER: GSS-SB1D-722-U-SLL-HSS

CANDELA DISTRIBUTION (continued):

	185°	195°	205°	215°	225°	235°	245°	255°	265°	270°	275°
0°	1004.0	1004.0	1004.0	1004.0	1004.0	1004.0	1004.0	1004.0	1004.0	1004.0	1004.0
2.5°	904.2	888.1	864.9	861.4	848.9	840.0	848.9	857.8	873.8	875.6	882.8
5°	829.3	791.8	763.3	731.2	715.1	713.3	709.8	720.5	743.7	757.9	768.6
7.5°	779.3	711.6	661.6	617.0	601.0	588.5	599.2	597.4	627.7	640.2	650.9
10°	752.6	658.1	583.2	527.9	506.5	494.0	492.2	495.8	513.6	526.1	538.6
12.5°	770.4	636.7	526.1	461.9	438.7	424.4	412.0	412.0	415.5	431.6	436.9
15°	829.3	649.1	499.3	429.8	399.5	376.3	360.2	347.8	349.5	351.3	356.7
17.5°	914.9	681.2	490.4	410.2	378.1	349.5	333.5	319.2	315.7	315.7	313.9
20°	996.9	706.2	483.3	394.1	353.1	328.1	313.9	301.4	296.0	296.0	296.0
22.5°	1030.8	727.6	474.4	374.5	328.1	305.0	292.5	283.6	281.8	281.8	280.0
25°	1004.0	720.5	463.7	354.9	305.0	287.1	276.4	267.5	265.7	267.5	265.7
27.5°	920.2	695.5	449.4	338.8	287.1	271.1	262.2	253.2	251.5	253.2	253.2
30°	831.0	652.7	426.2	326.4	272.9	255.0	246.1	237.2	237.2	239.0	240.8
32.5°	759.7	609.9	399.5	310.3	256.8	240.8	231.8	222.9	222.9	226.5	226.5
35°	699.1	576.0	372.7	294.3	242.5	224.7	217.6	210.4	208.7	212.2	214.0
37.5°	650.9	545.7	344.2	278.2	228.3	212.2	205.1	196.2	194.4	198.0	201.5
40°	601.0	511.8	319.2	258.6	214.0	198.0	190.8	180.1	180.1	183.7	187.3
42.5°	552.8	481.5	303.2	240.8	199.7	181.9	174.8	165.9	165.9	169.4	173.0
45°	513.6	453.0	294.3	222.9	183.7	167.6	158.7	151.6	153.4	156.9	160.5
47.5°	476.2	422.7	296.0	214.0	173.0	151.6	142.7	137.3	140.9	146.2	149.8
50°	447.6	401.3	297.8	199.7	158.7	139.1	130.2	126.6	132.0	137.3	140.9
52.5°	429.8	379.9	287.1	181.9	148.0	126.6	121.3	121.3	126.6	130.2	133.8
55°	412.0	344.2	263.9	162.3	137.3	117.7	114.1	114.1	119.5	123.1	124.8
57.5°	397.7	306.7	237.2	146.2	124.8	108.8	108.8	108.8	110.6	112.4	115.9
60°	370.9	267.5	203.3	133.8	112.4	101.7	99.9	99.9	98.1	99.9	105.2
62.5°	324.6	224.7	173.0	119.5	101.7	92.7	91.0	85.6	80.3	82.0	85.6
65°	*274.6*	*178.3*	*144.5*	*103.4*	*87.4*	*82.0*	*80.3*	*71.3*	*64.2*	*66.0*	*71.3*
67.5°	219.4	133.8	121.3	89.2	74.9	69.6	69.6	64.2	58.9	58.9	62.4
70°	171.2	112.4	91.0	71.3	58.9	58.9	62.4	57.1	49.9	49.9	55.3
72.5°	139.1	91.0	73.1	55.3	46.4	49.9	51.7	46.4	41.0	41.0	44.6
75°	108.8	71.3	57.1	41.0	35.7	37.5	41.0	37.5	32.1	33.9	35.7
77.5°	74.9	48.2	37.5	30.3	26.8	28.5	28.5	26.8	25.0	25.0	26.8
80°	49.9	32.1	25.0	21.4	19.6	19.6	17.8	17.8	19.6	19.6	21.4
82.5°	35.7	23.2	19.6	16.1	12.5	12.5	14.3	14.3	16.1	16.1	17.8
85°	21.4	16.1	14.3	10.7	8.9	10.7	10.7	12.5	14.3	14.3	16.1
87.5°	16.1	12.5	10.7	8.9	7.1	7.1	8.9	8.9	10.7	12.5	12.5
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: P1365298
CATALOG NUMBER: GSS-SB1D-722-U-SLL-HSS

CANDELA DISTRIBUTION (continued):

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	1004.0	1004.0	1004.0	1004.0	1004.0	1004.0	1004.0	1004.0	1004.0	1004.0
2.5°	900.6	922.0	952.3	979.1	1011.2	1043.3	1073.6	1102.1	1103.9	1105.7
5°	802.5	845.3	895.2	955.9	1020.1	1082.5	1148.5	1202.0	1214.5	1221.6
7.5°	693.7	756.1	832.8	918.4	1014.7	1111.0	1203.8	1284.0	1314.3	1321.5
10°	579.6	656.3	749.0	859.6	989.8	1118.2	1243.0	1341.1	1376.7	1383.9
12.5°	477.9	540.4	647.4	781.1	938.0	1107.5	1257.3	1366.0	1401.7	1410.6
15°	390.6	449.4	549.3	690.2	866.7	1070.0	1246.6	1371.4	1407.1	1414.2
17.5°	322.8	360.2	451.2	604.6	802.5	1021.9	1232.3	1375.0	1408.8	1414.2
20°	296.0	303.2	351.3	501.1	734.7	986.2	1223.4	1380.3	1414.2	1419.5
22.5°	283.6	283.6	294.3	381.6	640.2	948.7	1219.8	1396.4	1421.3	1426.7
25°	271.1	271.1	274.6	299.6	527.9	902.4	1226.9	1424.9	1440.9	1440.9
27.5°	258.6	258.6	262.2	267.5	392.3	825.7	1228.7	1457.0	1464.1	1458.8
30°	246.1	249.7	249.7	253.2	288.9	729.4	1218.0	1492.7	1492.7	1482.0
32.5°	233.6	235.4	239.0	240.8	251.5	604.6	1200.2	1537.2	1528.3	1514.1
35°	222.9	224.7	224.7	228.3	239.0	483.3	1180.6	1597.9	1572.9	1556.9
37.5°	208.7	210.4	212.2	215.8	226.5	383.4	1152.0	1649.6	1631.8	1610.4
40°	196.2	198.0	199.7	203.3	214.0	329.9	1116.4	1728.1	1724.5	1699.5
42.5°	181.9	185.5	187.3	189.0	203.3	301.4	1091.4	1854.7	1854.7	1824.4
45°	169.4	173.0	173.0	176.6	196.2	276.4	1146.7	2029.5	2043.7	2015.2
47.5°	158.7	160.5	160.5	162.3	185.5	255.0	1294.7	2297.0	2279.1	2259.5
50°	148.0	151.6	148.0	149.8	176.6	267.5	1539.0	2639.4	2685.7	2651.8
52.5°	140.9	142.7	135.5	135.5	164.1	283.6	1738.8	3076.3	3231.4	3190.4
55°	132.0	133.8	124.8	124.8	144.5	246.1	1751.3	3573.8	3914.5	3941.2
57.5°	123.1	123.1	115.9	114.1	124.8	199.7	1553.3	3959.0	4731.2	4791.9
60°	112.4	110.6	107.0	103.4	114.1	183.7	1184.1	3907.3	5136.0	5346.5
62.5°	96.3	99.9	98.1	91.0	103.4	171.2	772.2	3381.2	4679.5	4865.0
65°	*80.3*	*85.6*	*85.6*	*80.3*	*114.1*	*149.8*	*406.6*	*2707.1*	*3905.5*	*4128.5*
67.5°	71.3	74.9	73.1	69.6	101.7	94.5	196.2	2075.8	3343.8	3557.8
70°	62.4	66.0	60.6	57.1	82.0	67.8	115.9	1389.2	2760.6	2969.3
72.5°	51.7	55.3	49.9	44.6	60.6	51.7	76.7	904.2	2298.7	2530.6
75°	42.8	44.6	41.0	35.7	44.6	41.0	53.5	590.3	1922.5	2093.7
77.5°	30.3	33.9	32.1	26.8	32.1	28.5	37.5	337.1	1341.1	1469.5
80°	23.2	23.2	23.2	21.4	19.6	19.6	25.0	151.6	650.9	724.0
82.5°	19.6	19.6	17.8	16.1	14.3	12.5	14.3	44.6	306.7	324.6
85°	17.8	14.3	12.5	10.7	8.9	5.4	5.4	12.5	62.4	51.7
87.5°	10.7	8.9	7.1	3.6	1.8	1.8	0.0	1.8	1.8	1.8
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: SP1-2407-184-2

Test Date: 10/09/2024

Luminaire Tested: GSS-SB1A-722-U-5WQ

Data in this report applies to families of products including GSS-SB1A-722-U-5WQ

Report Generated By FNC07603 / LDUCLS01DT446
Version: v7.04

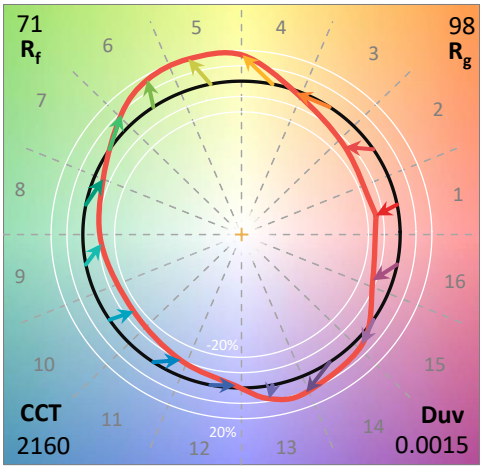
Test Information

Test Method:	LM-79-2019
Report Number:	SP1-2407-184-2
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-722-U-5WQ**
Description:	GALLEON II SITE SLIM 1SQ 350MA 5WQ HIGH DENSITY LIGHTSQUARE WITH 70 CRI 2200K CCT 26 LEDS

Spectral Parameters

CCT (K):	2160
CIE u':	0.2927
CIE v':	0.5388
Duv:	0.0015
CIE x:	0.5130
CIE y:	0.4197
CIE z:	0.0674
Peak Wavelength (nm):	609
Dominant Wavelength (nm):	587
Purity:	79.96089
Rf:	70.6
Rg:	97.6

CRI (Ra):	71.9
R1:	68.7
R2:	82.6
R3:	95.5
R4:	66.4
R5:	65.4
R6:	75.9
R7:	77.2
R8:	43.5
R9:	-17.8
R10:	60.5
R11:	60.2
R12:	48.2
R13:	70.7
R14:	96.8
R15:	61.8



Test Conditions

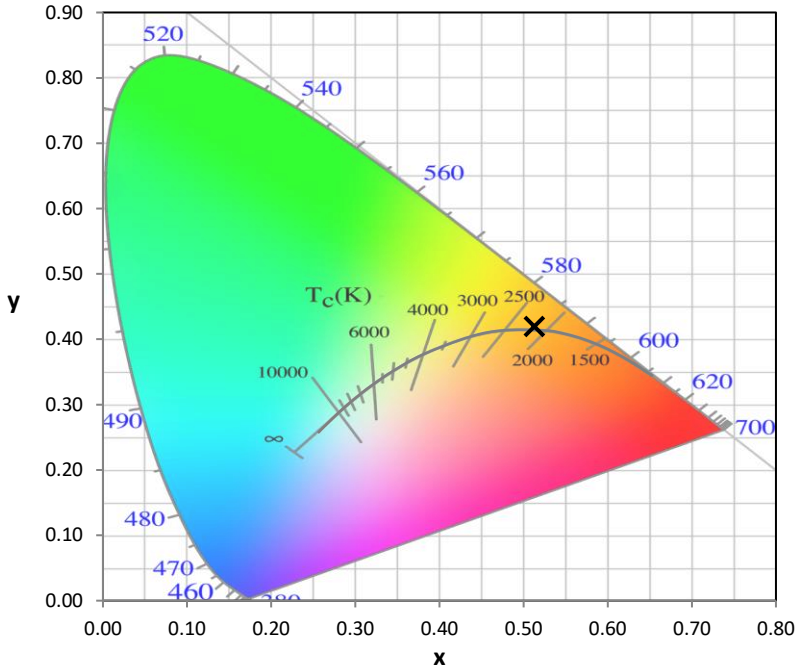
Stabilization Time:	21M
Operation Time:	1H 21M
Sphere Temperature (°C):	25.2

REPORT NUMBER: SP1-2407-184-2

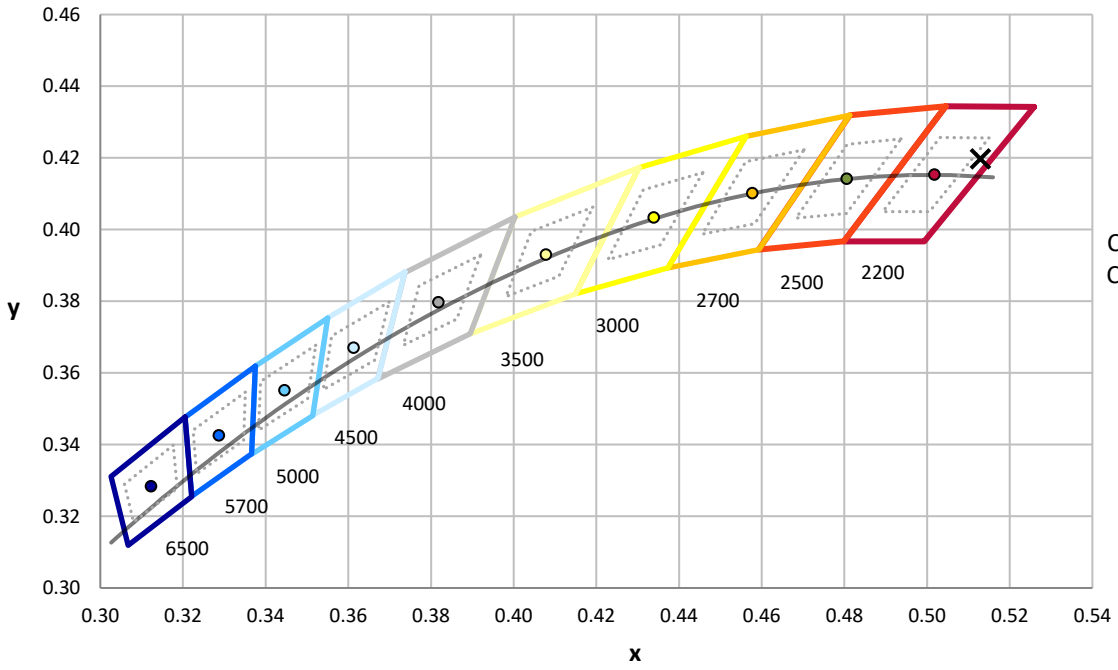
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

REPORT NUMBER: SP1-2407-184-2

CIE 1931 Chromaticity Diagram



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

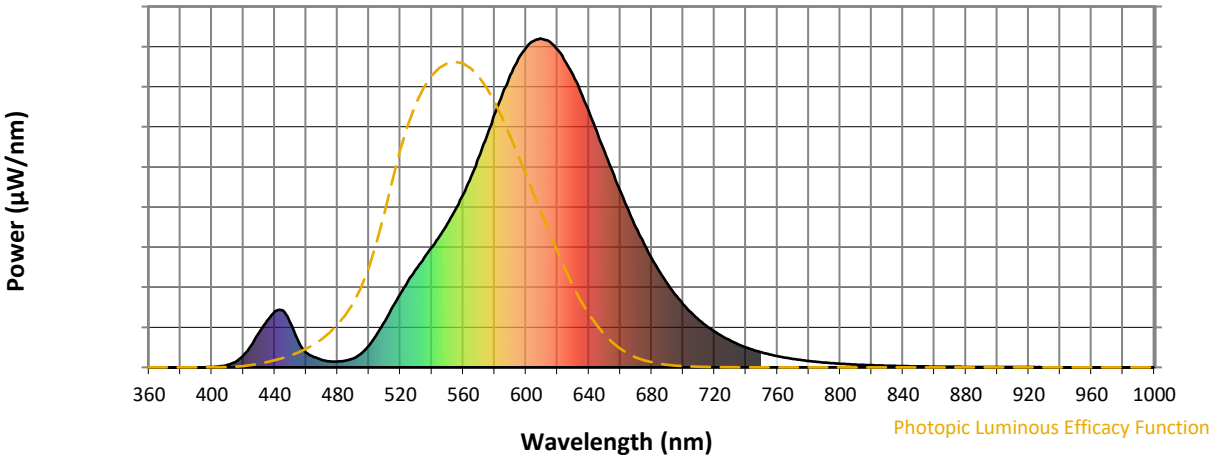


CCT = 2160K
CIE x = 0.5130
CIE y = 0.4197
Duv = 0.0015

Point lies inside the ANSI 2200K 7-step quadrangle

REPORT NUMBER: SP1-2407-184-2

Photopic Flux vs. Wavelength

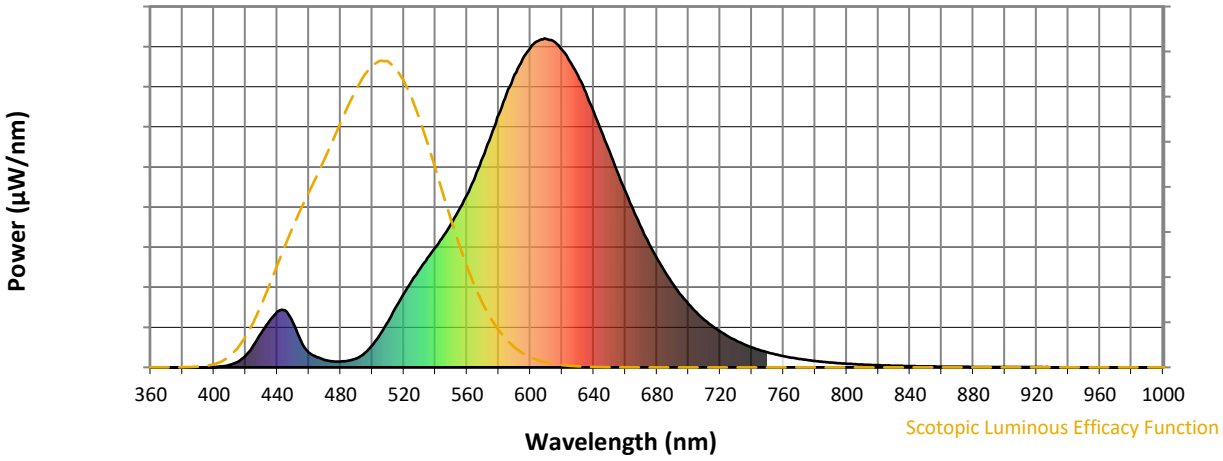


Photopic Lumens: NR

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	27	NR	620	966	NR	750	46	NR	880	1	NR
365	0	NR	495	42	NR	625	930	NR	755	39	NR	885	1	NR
370	0	NR	500	67	NR	630	888	NR	760	34	NR	890	1	NR
375	0	NR	505	101	NR	635	835	NR	765	30	NR	895	1	NR
380	0	NR	510	139	NR	640	778	NR	770	26	NR	900	1	NR
385	0	NR	515	183	NR	645	717	NR	775	22	NR	905	1	NR
390	0	NR	520	224	NR	650	656	NR	780	19	NR	910	1	NR
395	0	NR	525	262	NR	655	595	NR	785	17	NR	915	1	NR
400	1	NR	530	299	NR	660	536	NR	790	15	NR	920	1	NR
405	3	NR	535	332	NR	665	480	NR	795	13	NR	925	1	NR
410	7	NR	540	365	NR	670	425	NR	800	11	NR	930	1	NR
415	17	NR	545	400	NR	675	376	NR	805	10	NR	935	0	NR
420	36	NR	550	437	NR	680	332	NR	810	8	NR	940	0	NR
425	67	NR	555	479	NR	685	291	NR	815	8	NR	945	0	NR
430	105	NR	560	525	NR	690	255	NR	820	7	NR	950	0	NR
435	141	NR	565	579	NR	695	221	NR	825	6	NR	955	0	NR
440	169	NR	570	639	NR	700	192	NR	830	5	NR	960	0	NR
445	173	NR	575	703	NR	705	167	NR	835	4	NR	965	0	NR
450	136	NR	580	769	NR	710	144	NR	840	4	NR	970	0	NR
455	80	NR	585	832	NR	715	125	NR	845	3	NR	975	0	NR
460	45	NR	590	890	NR	720	109	NR	850	3	NR	980	0	NR
465	32	NR	595	937	NR	725	94	NR	855	3	NR	985	0	NR
470	23	NR	600	972	NR	730	81	NR	860	2	NR	990	0	NR
475	18	NR	605	992	NR	735	70	NR	865	2	NR	995	0	NR
480	18	NR	610	998	NR	740	61	NR	870	2	NR	1000	0	NR
485	20	NR	615	990	NR	745	53	NR	875	2	NR			

REPORT NUMBER: SP1-2407-184-2

Scotopic Flux vs. Wavelength

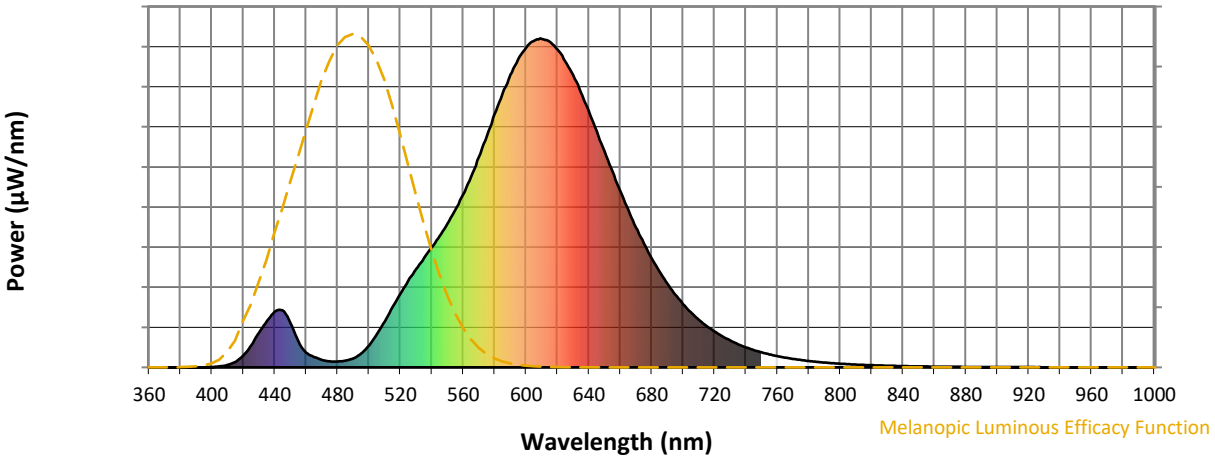


Scotopic Lumens: NR **S/P: 0.8**

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	27	NR	620	966	NR	750	46	NR	880	1	NR
365	0	NR	495	42	NR	625	930	NR	755	39	NR	885	1	NR
370	0	NR	500	67	NR	630	888	NR	760	34	NR	890	1	NR
375	0	NR	505	101	NR	635	835	NR	765	30	NR	895	1	NR
380	0	NR	510	139	NR	640	778	NR	770	26	NR	900	1	NR
385	0	NR	515	183	NR	645	717	NR	775	22	NR	905	1	NR
390	0	NR	520	224	NR	650	656	NR	780	19	NR	910	1	NR
395	0	NR	525	262	NR	655	595	NR	785	17	NR	915	1	NR
400	1	NR	530	299	NR	660	536	NR	790	15	NR	920	1	NR
405	3	NR	535	332	NR	665	480	NR	795	13	NR	925	1	NR
410	7	NR	540	365	NR	670	425	NR	800	11	NR	930	1	NR
415	17	NR	545	400	NR	675	376	NR	805	10	NR	935	0	NR
420	36	NR	550	437	NR	680	332	NR	810	8	NR	940	0	NR
425	67	NR	555	479	NR	685	291	NR	815	8	NR	945	0	NR
430	105	NR	560	525	NR	690	255	NR	820	7	NR	950	0	NR
435	141	NR	565	579	NR	695	221	NR	825	6	NR	955	0	NR
440	169	NR	570	639	NR	700	192	NR	830	5	NR	960	0	NR
445	173	NR	575	703	NR	705	167	NR	835	4	NR	965	0	NR
450	136	NR	580	769	NR	710	144	NR	840	4	NR	970	0	NR
455	80	NR	585	832	NR	715	125	NR	845	3	NR	975	0	NR
460	45	NR	590	890	NR	720	109	NR	850	3	NR	980	0	NR
465	32	NR	595	937	NR	725	94	NR	855	3	NR	985	0	NR
470	23	NR	600	972	NR	730	81	NR	860	2	NR	990	0	NR
475	18	NR	605	992	NR	735	70	NR	865	2	NR	995	0	NR
480	18	NR	610	998	NR	740	61	NR	870	2	NR	1000	0	NR
485	20	NR	615	990	NR	745	53	NR	875	2	NR			

REPORT NUMBER: SP1-2407-184-2

Melanopic Flux vs. Wavelength



Melanopic Lumens: NR **M/P: 1.21**

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	27	NR	620	966	NR	750	46	NR	880	1	NR
365	0	NR	495	42	NR	625	930	NR	755	39	NR	885	1	NR
370	0	NR	500	67	NR	630	888	NR	760	34	NR	890	1	NR
375	0	NR	505	101	NR	635	835	NR	765	30	NR	895	1	NR
380	0	NR	510	139	NR	640	778	NR	770	26	NR	900	1	NR
385	0	NR	515	183	NR	645	717	NR	775	22	NR	905	1	NR
390	0	NR	520	224	NR	650	656	NR	780	19	NR	910	1	NR
395	0	NR	525	262	NR	655	595	NR	785	17	NR	915	1	NR
400	1	NR	530	299	NR	660	536	NR	790	15	NR	920	1	NR
405	3	NR	535	332	NR	665	480	NR	795	13	NR	925	1	NR
410	7	NR	540	365	NR	670	425	NR	800	11	NR	930	1	NR
415	17	NR	545	400	NR	675	376	NR	805	10	NR	935	0	NR
420	36	NR	550	437	NR	680	332	NR	810	8	NR	940	0	NR
425	67	NR	555	479	NR	685	291	NR	815	8	NR	945	0	NR
430	105	NR	560	525	NR	690	255	NR	820	7	NR	950	0	NR
435	141	NR	565	579	NR	695	221	NR	825	6	NR	955	0	NR
440	169	NR	570	639	NR	700	192	NR	830	5	NR	960	0	NR
445	173	NR	575	703	NR	705	167	NR	835	4	NR	965	0	NR
450	136	NR	580	769	NR	710	144	NR	840	4	NR	970	0	NR
455	80	NR	585	832	NR	715	125	NR	845	3	NR	975	0	NR
460	45	NR	590	890	NR	720	109	NR	850	3	NR	980	0	NR
465	32	NR	595	937	NR	725	94	NR	855	3	NR	985	0	NR
470	23	NR	600	972	NR	730	81	NR	860	2	NR	990	0	NR
475	18	NR	605	992	NR	735	70	NR	865	2	NR	995	0	NR
480	18	NR	610	998	NR	740	61	NR	870	2	NR	1000	0	NR
485	20	NR	615	990	NR	745	53	NR	875	2	NR			

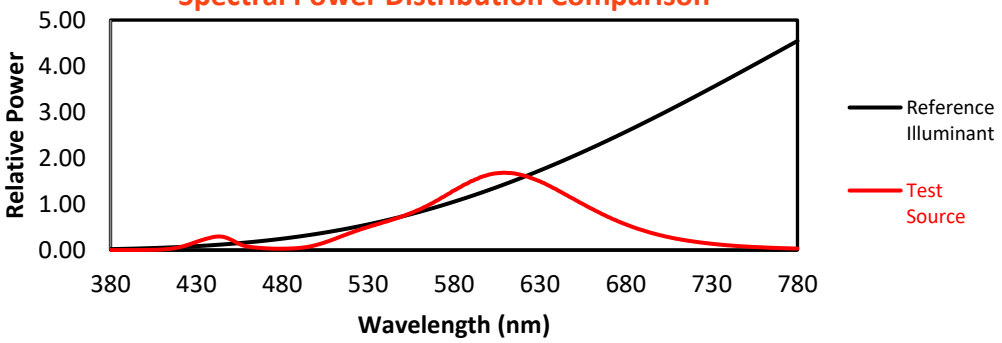
REPORT NUMBER: SP1-2407-184-2

TM-30-18

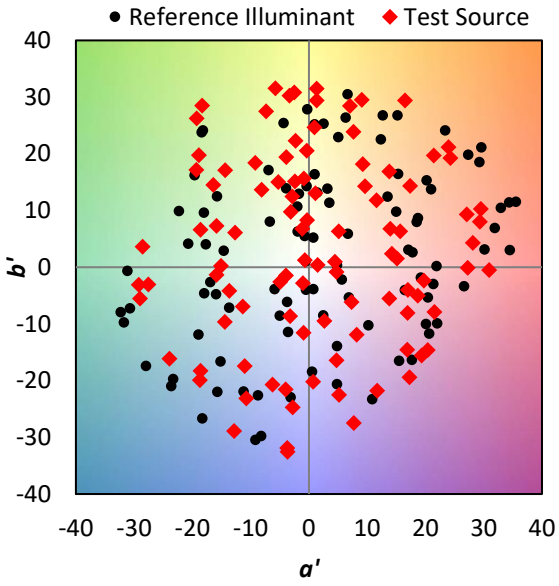
Summary

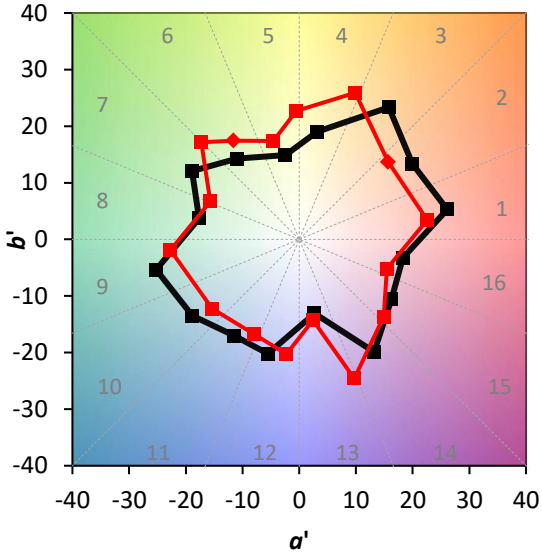
R_f = 70.6
R_g = 97.6
CIE R_a = 71.9
R_9 = -17.8

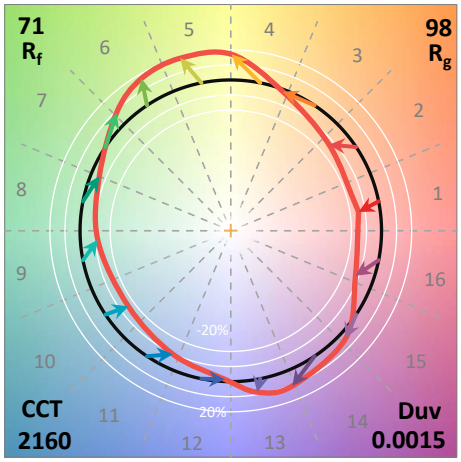
Spectral Power Distribution Comparison

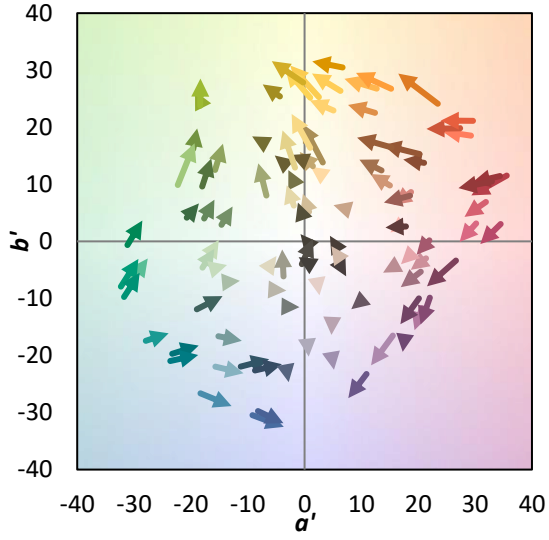


Color Vector Graphics







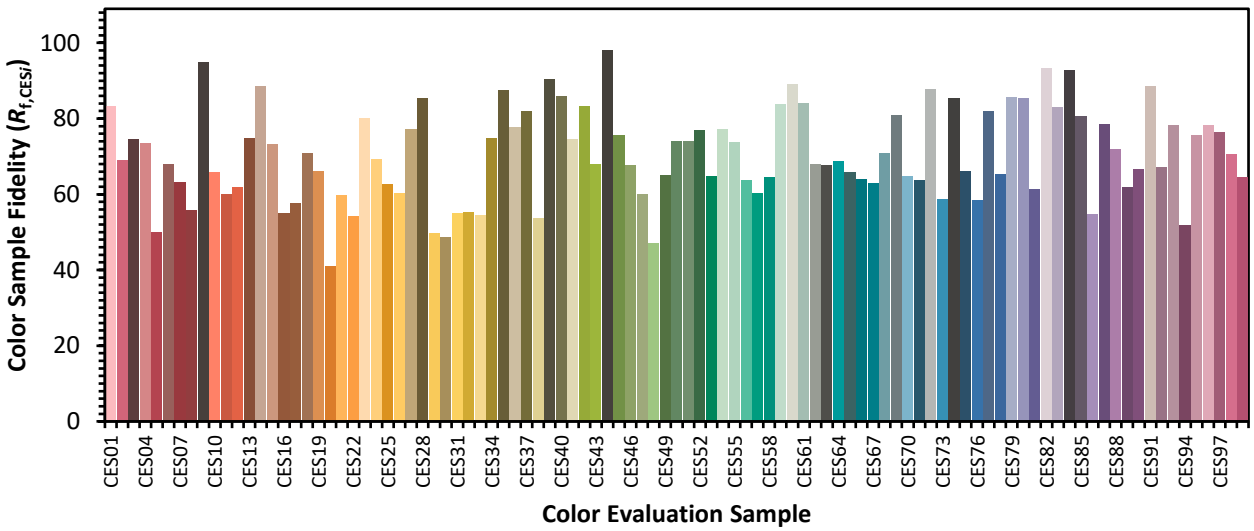


REPORT NUMBER: SP1-2407-184-2

TM-30-18

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

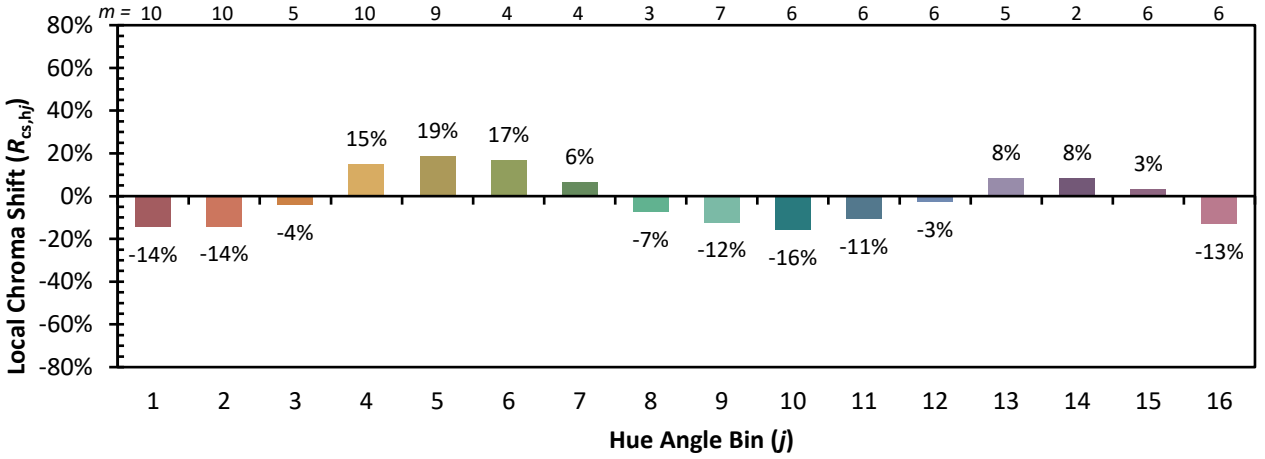
CES01 = 87	CES26 = 60	CES51 = 74	CES76 = 58
CES02 = 65	CES27 = 77	CES52 = 77	CES77 = 82
CES03 = 32	CES28 = 85	CES53 = 65	CES78 = 65
CES04 = 72	CES29 = 50	CES54 = 77	CES79 = 86
CES05 = 52	CES30 = 49	CES55 = 74	CES80 = 85
CES06 = 53	CES31 = 55	CES56 = 64	CES81 = 61
CES07 = 44	CES32 = 55	CES57 = 60	CES82 = 93
CES08 = 43	CES33 = 55	CES58 = 64	CES83 = 83
CES09 = 29	CES34 = 75	CES59 = 84	CES84 = 93
CES10 = 79	CES35 = 88	CES60 = 89	CES85 = 81
CES11 = 62	CES36 = 78	CES61 = 84	CES86 = 55
CES12 = 68	CES37 = 82	CES62 = 68	CES87 = 79
CES13 = 45	CES38 = 54	CES63 = 68	CES88 = 72
CES14 = 75	CES39 = 90	CES64 = 69	CES89 = 62
CES15 = 72	CES40 = 86	CES65 = 66	CES90 = 67
CES16 = 49	CES41 = 75	CES66 = 64	CES91 = 89
CES17 = 51	CES42 = 83	CES67 = 63	CES92 = 67
CES18 = 57	CES43 = 68	CES68 = 71	CES93 = 78
CES19 = 74	CES44 = 98	CES69 = 81	CES94 = 52
CES20 = 68	CES45 = 76	CES70 = 65	CES95 = 76
CES21 = 89	CES46 = 68	CES71 = 64	CES96 = 78
CES22 = 81	CES47 = 60	CES72 = 88	CES97 = 76
CES23 = 92	CES48 = 47	CES73 = 59	CES98 = 71
CES24 = 92	CES49 = 65	CES74 = 85	CES99 = 65
CES25 = 74	CES50 = 74	CES75 = 66	

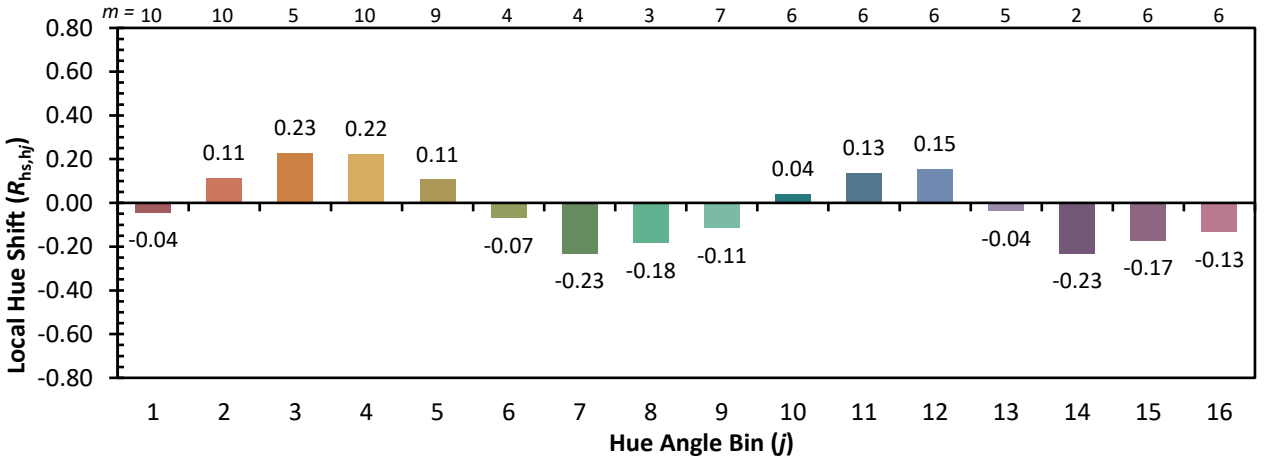


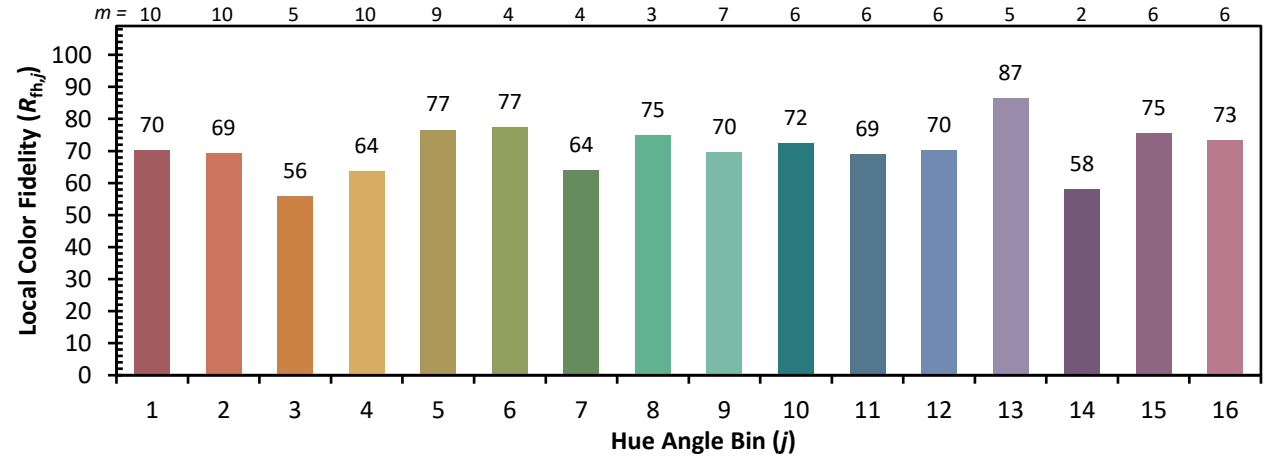
REPORT NUMBER: SP1-2407-184-2

TM-30-18

Color Rendition by Hue-Angle Bin



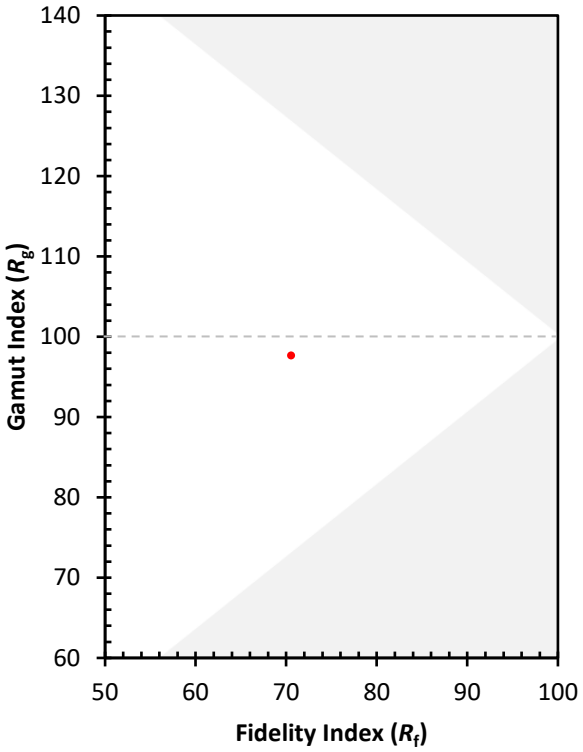


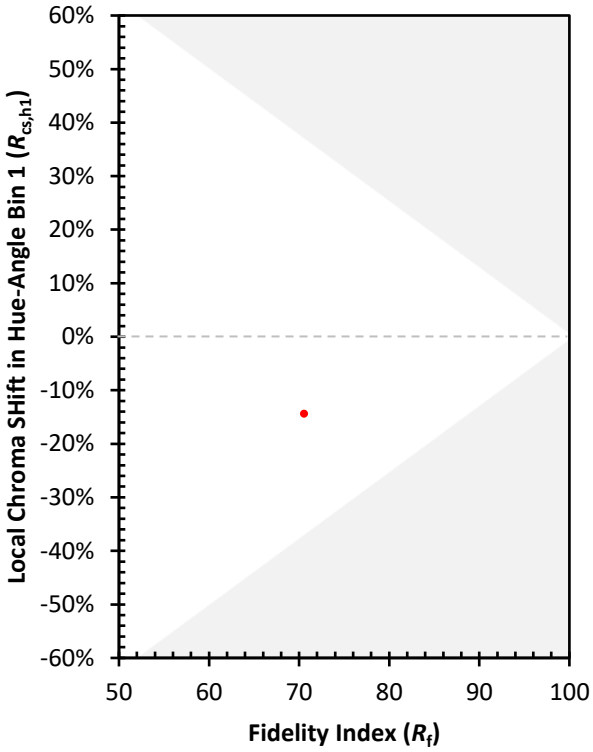


REPORT NUMBER: SP1-2407-184-2

TM-30-18

Measure Comparisons





(END OF REPORT)