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

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Scaled data based on original data using

LM-79-2024 Approved Method: Electrical and Photometric Measurements of Solid-State Lighting Products

Test Report Prepared for

Cooper Lighting Solutions

Brand: McGRAW-EDISON

Report Number: P1501713

Luminaire Tested: GSS-SB2A-740-U-T2LG-HSS

Issue Date: 07/20/2026

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Peachtree City, GA 30269

Scaled Data Report

Test Information

Test Method:	LM-79-2024
Report Number:	P1501713
Test Lab:	INNOVATION CENTER(G1)
Issue Date:	7/20/2026
Manufacturer:	COOPER LIGHTING SOLUTIONS
Product Line:	McGRAW-EDISON
Catalog Number:	GSS-SB2A-740-U-T2LG-HSS
Description:	GALLEON II SLIM SITE HIGH DENSITY LED ARRAYS 2SQUARE 58W 70CRI 4000K FIXTURE w/ TYPE II LOW GLARE DISTRIBUTION FIXTURE W/ HOUSE SIDE SHIELD
Light Source:	(52) 4000K CCT, 70 CRI LEDS
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	7135.8 lumens
Efficiency:	N/A
Efficacy:	123.0 lumens/watt
Luminous Opening:	Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification:	Type II - Short
BUG Rating:	B1 - U0 - G1

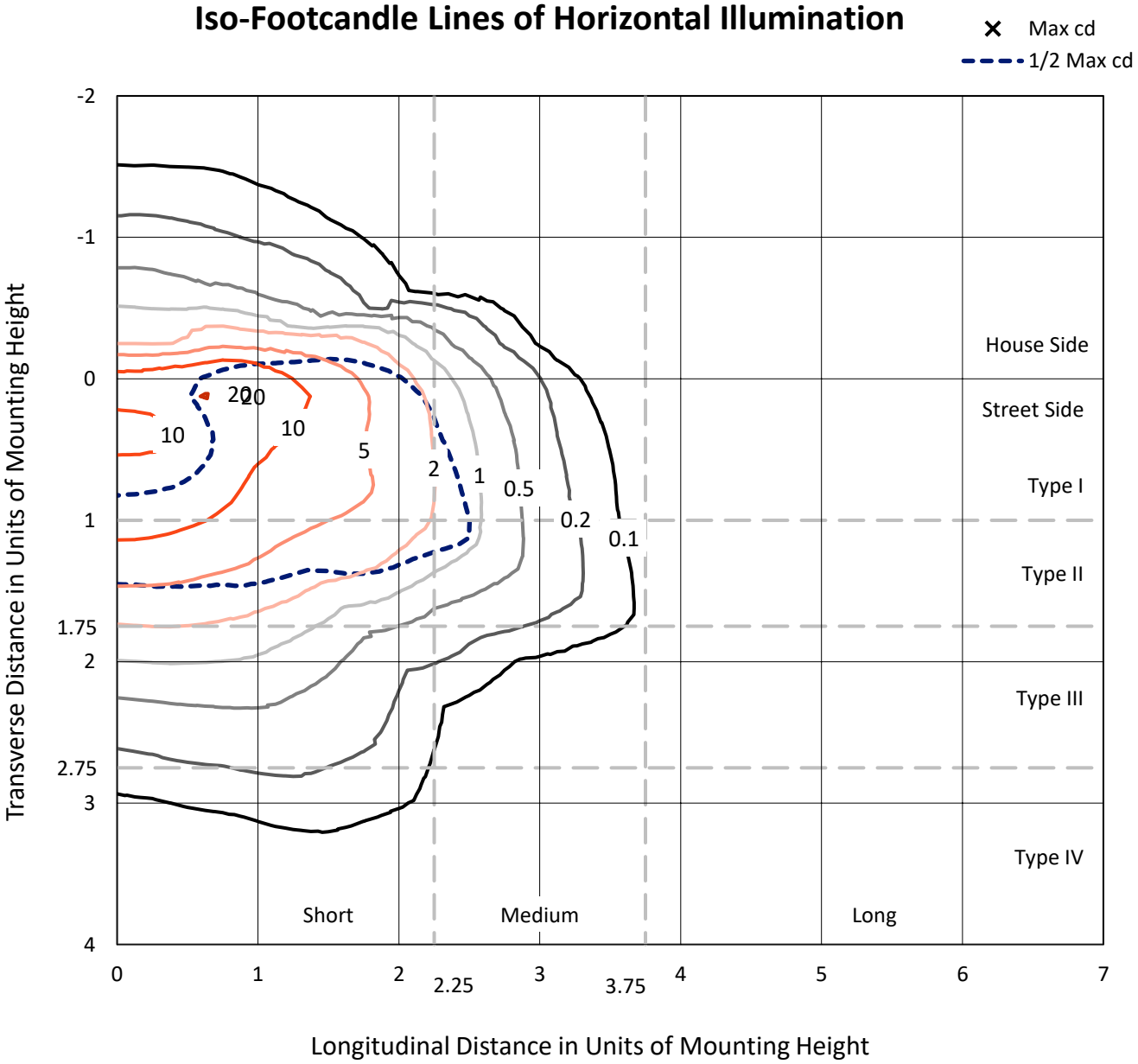
Input Watts (W):	58
Input Voltage (V):	120
Input Current (Ain):	NR
Voltage Rise (V):	NR
Power Factor:	0.98
Total Harmonic Distortion (THDi):	9.0%
Frequency (hertz):	60
Stabilization Time:	NR
Operation Time:	NR
Ambient Temperature (°C):	NR
Test Distance:	28.75 FT

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Iso-Footcandle Lines of Horizontal Illumination



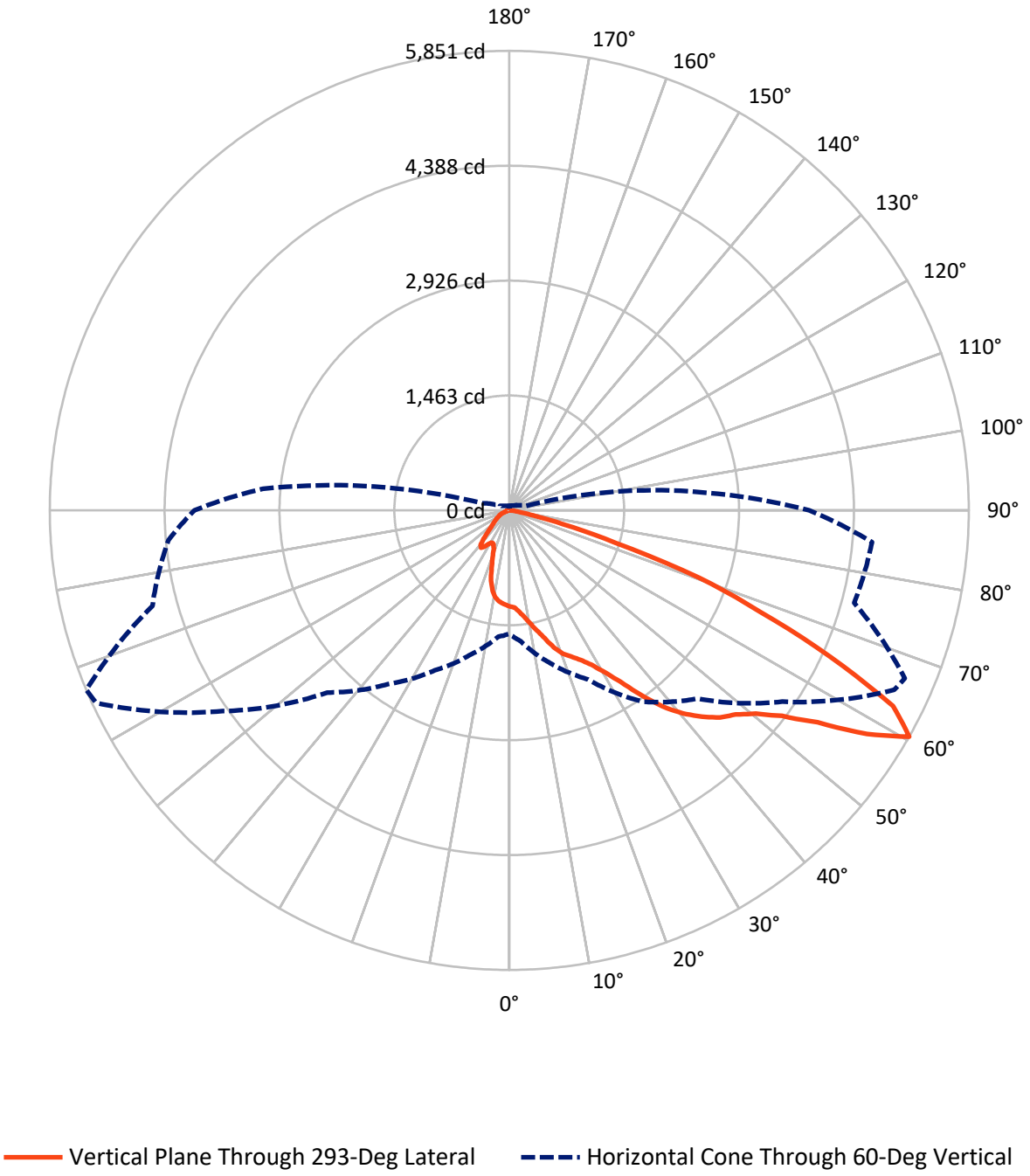
Based on 10 foot mounting height. Maximum calculated value = 20.3 fc
Type II - Short - N/A

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Luminous Intensity Polar Plot



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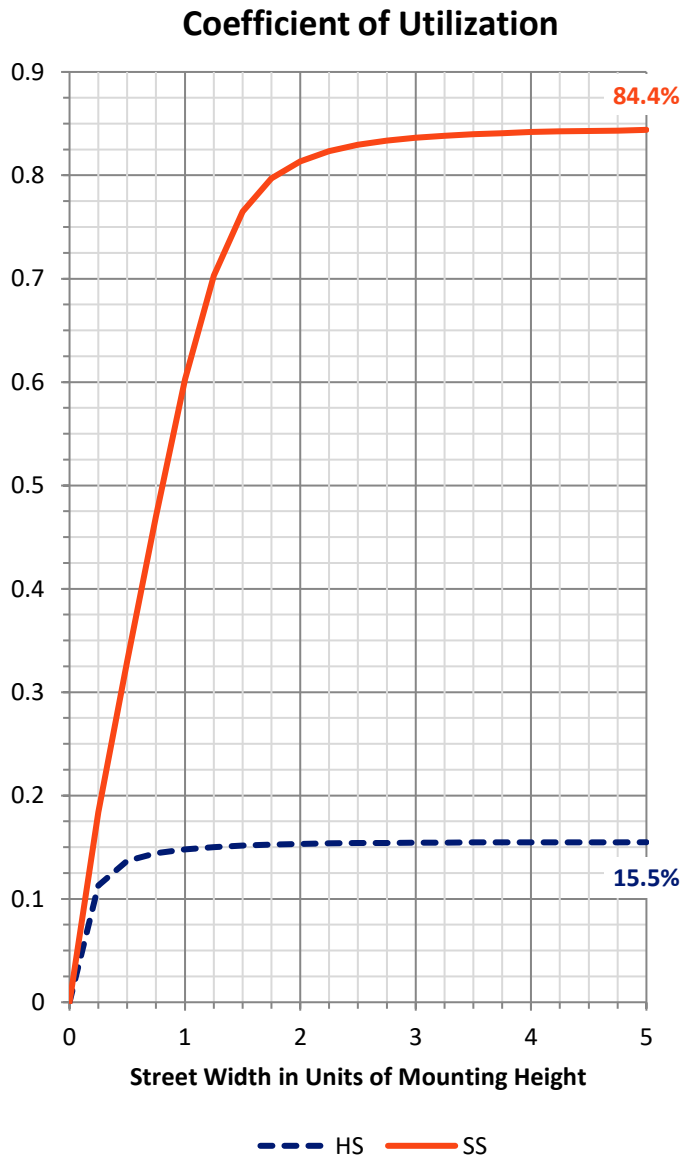
REPORT NUMBER: P1501713
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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1113.4	0.0	1113.4
	% Fixture	15.6	0.0	15.6
Street Side	Lumens	6022.5	0.0	6022.5
	% Fixture	84.4	0.0	84.4
Total	Lumens	7135.8	0.0	7135.8
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	110.7	1.6
10°-20°	278.9	3.9
20°-30°	520.7	7.3
30°-40°	1032.5	14.5
40°-50°	1646.2	23.1
50°-60°	1966.8	27.6
60°-70°	1289.4	18.1
70°-80°	270.1	3.8
80°-90°	20.4	0.3
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°	7135.8	100.0
0°-180°	7135.8	100.0



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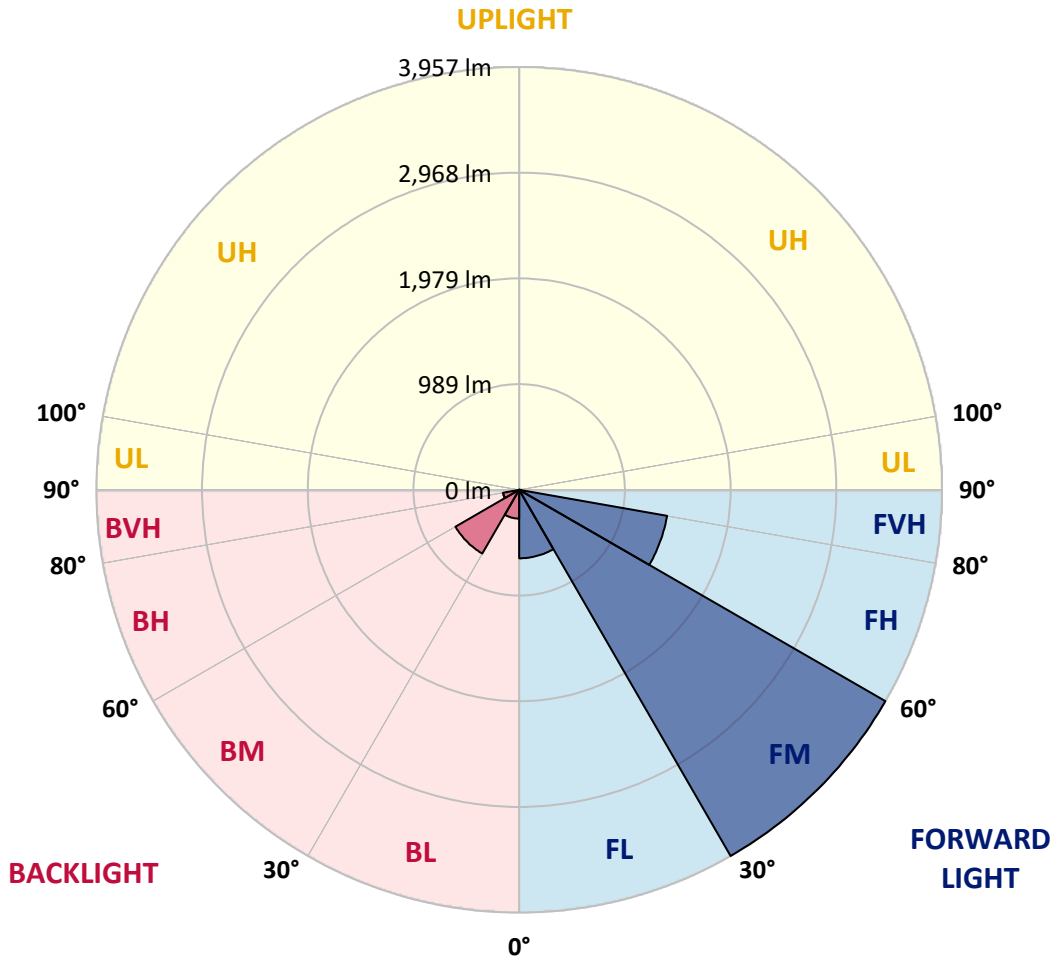
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	640.9	9.0			
FM	(30°-60°)	3957.1	55.5			
FH	(60°-80°)	1405.7	19.7			G1/1800
FVH	(80°-90°)	18.7	0.3			G1/100
BL	(0°-30°)	269.4	3.8	B1/500		
BM	(30°-60°)	688.5	9.6	B1/1000		
BH	(60°-80°)	153.8	2.2	B1/500		G1/500
BVH	(80°-90°)	1.7	0.0			G0/10
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G1
Type II Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	67°	75°	85°
0°	1223.0	1223.0	1223.0	1223.0	1223.0	1223.0	1223.0	1223.0	1223.0	1223.0	1223.0
2.5°	1285.0	1281.0	1275.0	1277.0	1275.0	1267.0	1255.0	1245.0	1253.0	1241.0	1233.0
5°	1322.9	1322.9	1318.9	1318.9	1320.9	1316.9	1308.9	1295.0	1297.0	1287.0	1261.0
7.5°	1322.9	1316.9	1326.9	1336.9	1354.9	1364.9	1368.9	1360.9	1364.9	1344.9	1310.9
10°	1245.0	1241.0	1267.0	1304.9	1356.9	1402.9	1432.8	1434.8	1440.8	1420.9	1380.9
12.5°	1079.1	1071.1	1123.1	1195.0	1300.9	1406.9	1490.8	1522.8	1536.8	1528.8	1472.8
15°	925.3	935.2	971.2	1049.2	1191.0	1352.9	1522.8	1628.7	1648.7	1658.7	1592.7
17.5°	909.3	911.3	923.3	961.2	1069.1	1265.0	1526.8	1738.6	1766.6	1810.5	1720.6
20°	953.2	949.2	961.2	973.2	1025.2	1187.0	1488.8	1844.5	1898.5	1992.4	1894.5
22.5°	1035.2	1035.2	1041.2	1049.2	1075.1	1181.0	1472.8	1942.4	2034.4	2226.2	2112.3
25°	1173.1	1157.1	1161.1	1151.1	1173.1	1253.0	1508.8	2020.4	2146.3	2486.0	2372.1
27.5°	1386.9	1392.9	1356.9	1302.9	1314.9	1382.9	1596.7	2108.3	2262.2	2755.8	2635.9
30°	1682.6	1672.6	1650.7	1544.8	1496.8	1556.7	1758.6	2252.2	2418.0	3097.5	2987.6
32.5°	1914.5	1942.4	1904.5	1830.5	1756.6	1774.6	1986.4	2484.0	2607.9	3411.2	3351.3
35°	2194.2	2194.2	2202.2	2098.3	2048.3	2044.3	2272.2	2735.8	2859.7	3695.0	3737.0
37.5°	2571.9	2545.9	2502.0	2386.1	2348.1	2398.1	2539.9	2995.6	3129.5	3924.8	4036.7
40°	2889.7	2907.6	2901.7	2733.8	2659.9	2713.8	2839.7	3217.4	3321.3	4072.7	4278.5
42.5°	3201.4	3211.4	3185.4	3105.5	2997.6	3001.6	3105.5	3385.3	3491.2	4214.6	4506.4
45°	3435.2	3433.2	3415.2	3395.3	3331.3	3265.4	3283.3	3571.1	3663.0	4260.6	4630.3
47.5°	3509.2	3525.2	3541.1	3597.1	3641.1	3537.1	3445.2	3671.0	3755.0	4252.6	4676.2
50°	3441.2	3475.2	3553.1	3637.1	3786.9	3778.9	3581.1	3778.9	3860.9	4296.5	4730.2
52.5°	3289.3	3323.3	3427.2	3579.1	3804.9	3916.8	3832.9	3960.8	4056.7	4408.4	4842.1
55°	2935.6	2949.6	3163.4	3363.3	3715.0	3856.9	4102.7	4268.5	4348.5	4544.3	4990.0
57.5°	2390.1	2424.0	2633.9	2959.6	3463.2	3699.0	4256.6	4794.1	4792.1	4674.2	5021.9
60°	*1572.7*	*1672.6*	*2014.4*	*2374.1*	*2975.6*	*3389.3*	*4246.6*	*5409.6*	*5471.6*	*4546.3*	*4636.3*
62.5°	1201.0	1243.0	1436.8	1736.6	2202.2	2809.7	4180.6	5593.5	5641.4	4202.6	4058.7
65°	903.3	955.2	1141.1	1408.9	1554.7	1904.5	3749.0	4862.1	4928.0	3751.0	3155.4
67.5°	553.6	595.5	843.3	1157.1	1177.0	1183.0	2530.0	3683.0	3707.0	3025.6	2124.3
70°	369.7	411.7	583.5	889.3	937.2	681.4	1388.9	2787.7	2785.7	2070.3	1291.0
72.5°	213.8	233.8	369.7	655.5	737.4	433.6	693.4	1772.6	1694.6	973.2	603.5
75°	121.9	135.9	203.8	421.7	517.6	275.8	273.8	949.2	839.3	501.6	329.7
77.5°	73.9	79.9	111.9	275.8	311.7	185.8	151.9	441.6	425.7	293.8	173.9
80°	36.0	42.0	67.9	161.9	199.8	99.9	91.9	173.9	185.8	161.9	91.9
82.5°	12.0	16.0	38.0	61.9	129.9	40.0	38.0	95.9	101.9	95.9	44.0
85°	6.0	8.0	18.0	20.0	50.0	20.0	14.0	42.0	52.0	32.0	18.0
87.5°	0.0	2.0	2.0	2.0	2.0	2.0	2.0	4.0	4.0	4.0	4.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1223.0	1223.0	1223.0	1223.0	1223.0	1223.0	1223.0	1223.0	1223.0	1223.0	1223.0
2.5°	1227.0	1223.0	1215.0	1201.0	1199.0	1189.0	1173.1	1163.1	1155.1	1161.1	1163.1
5°	1249.0	1239.0	1215.0	1177.0	1137.1	1097.1	1059.1	1015.2	985.2	981.2	973.2
7.5°	1289.0	1269.0	1217.0	1143.1	1041.2	945.2	833.3	725.4	671.5	663.5	645.5
10°	1352.9	1318.9	1233.0	1083.1	887.3	687.4	517.6	401.7	335.7	323.7	327.7
12.5°	1428.8	1380.9	1235.0	981.2	675.5	425.7	293.8	249.8	235.8	229.8	229.8
15°	1526.8	1456.8	1233.0	849.3	455.6	273.8	235.8	217.8	211.8	207.8	207.8
17.5°	1650.7	1558.7	1219.0	651.5	307.8	237.8	215.8	201.8	193.8	191.8	191.8
20°	1796.5	1672.6	1187.0	485.6	257.8	221.8	203.8	185.8	179.9	175.9	175.9
22.5°	1982.4	1810.5	1125.1	377.7	243.8	211.8	191.8	171.9	165.9	161.9	161.9
25°	2198.2	1986.4	1043.2	339.7	241.8	203.8	179.9	159.9	153.9	151.9	149.9
27.5°	2454.0	2174.2	967.2	341.7	245.8	197.8	167.9	149.9	143.9	137.9	139.9
30°	2755.8	2368.1	905.3	365.7	249.8	191.8	159.9	143.9	137.9	129.9	129.9
32.5°	3053.5	2595.9	899.3	409.7	263.8	187.8	151.9	135.9	129.9	123.9	123.9
35°	3359.3	2803.7	933.2	467.6	291.8	181.9	141.9	127.9	121.9	117.9	115.9
37.5°	3651.0	2969.6	965.2	503.6	275.8	155.9	129.9	117.9	111.9	103.9	103.9
40°	3844.9	3059.5	971.2	475.6	227.8	139.9	117.9	105.9	97.9	93.9	91.9
42.5°	3986.8	3117.5	903.3	385.7	197.8	127.9	107.9	95.9	89.9	85.9	85.9
45°	4044.7	3097.5	787.4	293.8	181.9	117.9	97.9	87.9	83.9	79.9	79.9
47.5°	4036.7	3005.6	669.5	235.8	165.9	107.9	91.9	83.9	79.9	75.9	73.9
50°	4022.7	2919.6	549.6	209.8	147.9	101.9	85.9	79.9	73.9	69.9	67.9
52.5°	4114.7	2891.7	455.6	191.8	137.9	97.9	83.9	75.9	69.9	65.9	65.9
55°	4206.6	2903.7	357.7	179.9	127.9	95.9	81.9	73.9	67.9	61.9	61.9
57.5°	4200.6	2851.7	271.8	167.9	119.9	93.9	79.9	71.9	61.9	58.0	58.0
60°	*3818.9*	*2543.9*	*211.8*	*153.9*	*109.9*	*87.9*	*73.9*	*67.9*	*58.0*	*52.0*	*52.0*
62.5°	3229.4	2000.4	173.9	135.9	97.9	79.9	67.9	61.9	52.0	42.0	42.0
65°	2386.1	1442.8	139.9	117.9	89.9	69.9	61.9	54.0	42.0	34.0	32.0
67.5°	1614.7	887.3	111.9	97.9	79.9	60.0	52.0	46.0	38.0	28.0	26.0
70°	957.2	471.6	81.9	67.9	60.0	44.0	44.0	40.0	32.0	24.0	22.0
72.5°	455.6	163.9	60.0	50.0	46.0	32.0	34.0	34.0	26.0	18.0	16.0
75°	231.8	79.9	40.0	36.0	30.0	24.0	28.0	26.0	18.0	12.0	12.0
77.5°	131.9	56.0	28.0	24.0	20.0	16.0	18.0	16.0	10.0	6.0	6.0
80°	73.9	40.0	18.0	16.0	12.0	10.0	10.0	8.0	6.0	2.0	2.0
82.5°	28.0	24.0	12.0	8.0	6.0	6.0	4.0	4.0	2.0	0.0	0.0
85°	12.0	6.0	6.0	4.0	4.0	2.0	2.0	2.0	0.0	0.0	0.0
87.5°	2.0	2.0	2.0	2.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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CANDELA DISTRIBUTION (continued):

	185°	195°	205°	215°	225°	235°	245°	255°	265°	270°	275°
0°	1223.0	1223.0	1223.0	1223.0	1223.0	1223.0	1223.0	1223.0	1223.0	1223.0	1223.0
2.5°	1147.1	1151.1	1155.1	1171.1	1175.1	1187.0	1197.0	1209.0	1211.0	1227.0	1227.0
5°	989.2	987.2	1021.2	1071.1	1103.1	1147.1	1181.0	1217.0	1237.0	1263.0	1275.0
7.5°	655.5	705.4	781.4	869.3	983.2	1089.1	1169.1	1239.0	1287.0	1316.9	1328.9
10°	325.7	353.7	433.6	577.5	771.4	987.2	1157.1	1287.0	1364.9	1398.9	1420.9
12.5°	229.8	235.8	249.8	327.7	513.6	819.3	1119.1	1338.9	1446.8	1510.8	1538.8
15°	205.8	209.8	215.8	237.8	317.7	611.5	1051.2	1396.9	1574.7	1648.7	1684.6
17.5°	189.8	191.8	197.8	215.8	249.8	415.7	941.2	1458.8	1728.6	1818.5	1886.5
20°	175.9	175.9	181.9	203.8	231.8	319.7	783.4	1528.8	1924.4	2054.3	2122.3
22.5°	159.9	163.9	167.9	191.8	225.8	291.8	635.5	1582.7	2142.3	2300.1	2380.1
25°	147.9	151.9	155.9	179.9	219.8	291.8	549.6	1616.7	2386.1	2573.9	2683.8
27.5°	137.9	141.9	147.9	171.9	213.8	303.8	515.6	1626.7	2651.9	2895.7	3043.5
30°	129.9	133.9	139.9	165.9	217.8	317.7	527.6	1612.7	2921.6	3227.4	3403.2
32.5°	121.9	125.9	131.9	159.9	217.8	335.7	567.5	1584.7	3183.4	3559.1	3774.9
35°	115.9	117.9	119.9	143.9	197.8	333.7	617.5	1556.7	3447.2	3886.9	4138.7
37.5°	103.9	105.9	109.9	123.9	157.9	303.8	627.5	1522.8	3655.0	4162.6	4440.4
40°	91.9	95.9	99.9	113.9	131.9	245.8	583.5	1450.8	3765.0	4374.5	4712.2
42.5°	83.9	85.9	89.9	103.9	121.9	195.8	489.6	1324.9	3862.9	4518.3	4910.0
45°	77.9	79.9	83.9	93.9	113.9	169.9	385.7	1171.1	3870.9	4564.3	5006.0
47.5°	71.9	73.9	75.9	85.9	109.9	151.9	295.8	1031.2	3868.9	4624.3	5087.9
50°	67.9	69.9	73.9	81.9	103.9	135.9	243.8	917.3	3952.8	4754.2	5253.8
52.5°	65.9	65.9	71.9	79.9	97.9	123.9	203.8	815.3	3996.8	4882.1	5373.7
55°	61.9	63.9	67.9	75.9	91.9	117.9	173.9	687.4	4016.8	4946.0	5395.6
57.5°	58.0	60.0	65.9	71.9	87.9	111.9	149.9	513.6	3731.0	4612.3	5027.9
60°	*52.0*	*56.0*	*63.9*	*69.9*	*81.9*	*101.9*	*131.9*	*347.7*	*3147.5*	*4008.8*	*4356.5*
62.5°	42.0	50.0	58.0	61.9	73.9	85.9	111.9	231.8	2514.0	3317.3	3713.0
65°	32.0	42.0	48.0	54.0	61.9	71.9	93.9	157.9	1676.6	2232.2	2677.8
67.5°	28.0	36.0	40.0	44.0	52.0	61.9	75.9	109.9	1017.2	1340.9	1780.6
70°	22.0	30.0	34.0	32.0	40.0	48.0	54.0	73.9	519.6	727.4	1013.2
72.5°	16.0	24.0	26.0	26.0	24.0	34.0	40.0	52.0	225.8	353.7	459.6
75°	12.0	16.0	18.0	16.0	14.0	22.0	28.0	34.0	147.9	211.8	267.8
77.5°	6.0	6.0	10.0	10.0	6.0	12.0	14.0	20.0	83.9	123.9	153.9
80°	2.0	0.0	0.0	2.0	0.0	4.0	6.0	10.0	44.0	65.9	95.9
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	22.0	20.0	50.0
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.0	12.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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

Scaled Data Report

REPORT NUMBER: P1501713
CATALOG NUMBER: GSS-SB2A-740-U-T2LG-HSS

CANDELA DISTRIBUTION (continued):

	285°	293°	295°	305°	315°	325°	335°	345°	355°	360°
0°	1223.0	*1223.0*	1223.0	1223.0	1223.0	1223.0	1223.0	1223.0	1223.0	1223.0
2.5°	1237.0	*1237.0*	1245.0	1257.0	1263.0	1267.0	1269.0	1273.0	1289.0	1285.0
5°	1289.0	*1293.0*	1299.0	1310.9	1324.9	1320.9	1320.9	1320.9	1330.9	1322.9
7.5°	1356.9	*1368.9*	1370.9	1384.9	1374.9	1354.9	1342.9	1324.9	1322.9	1322.9
10°	1466.8	*1462.8*	1462.8	1444.8	1408.9	1350.9	1299.0	1263.0	1243.0	1245.0
12.5°	1584.7	*1568.7*	1570.7	1504.8	1402.9	1275.0	1169.1	1091.1	1085.1	1079.1
15°	1730.6	*1688.6*	1680.6	1528.8	1312.9	1117.1	1013.2	951.2	931.2	925.3
17.5°	1938.4	*1832.5*	1794.5	1486.8	1195.0	1019.2	941.2	913.3	911.3	909.3
20°	2158.3	*1948.4*	1876.5	1424.8	1155.1	1021.2	963.2	955.2	951.2	953.2
22.5°	2414.0	*2022.4*	1930.4	1434.8	1191.0	1087.1	1041.2	1035.2	1031.2	1035.2
25°	2677.8	*2108.3*	1994.4	1514.8	1299.0	1209.0	1155.1	1143.1	1155.1	1173.1
27.5°	2943.6	*2224.2*	2120.3	1672.6	1472.8	1374.9	1322.9	1366.9	1384.9	1386.9
30°	3179.4	*2386.1*	2290.1	1894.5	1670.6	1572.7	1582.7	1638.7	1660.7	1682.6
32.5°	3395.3	*2601.9*	2528.0	2146.3	1926.4	1868.5	1862.5	1904.5	1928.4	1914.5
35°	3613.1	*2883.7*	2811.7	2420.0	2240.2	2192.2	2142.3	2224.2	2216.2	2194.2
37.5°	3818.9	*3167.4*	3101.5	2713.8	2528.0	2444.0	2436.0	2510.0	2575.9	2571.9
40°	3966.8	*3397.3*	3317.3	3005.6	2829.7	2757.8	2799.7	2927.6	2911.6	2889.7
42.5°	4102.7	*3593.1*	3521.2	3261.4	3077.5	3109.5	3147.5	3233.4	3223.4	3201.4
45°	4166.6	*3761.0*	3699.0	3455.2	3365.3	3467.2	3465.2	3497.2	3443.2	3435.2
47.5°	4256.6	*3880.9*	3816.9	3629.1	3709.0	3751.0	3633.1	3599.1	3549.1	3509.2
50°	4422.4	*4066.7*	4002.8	3892.9	3960.8	3830.9	3687.0	3613.1	3511.2	3441.2
52.5°	4616.3	*4348.5*	4292.5	4248.6	4058.7	3790.9	3607.1	3473.2	3349.3	3289.3
55°	4860.1	*4764.1*	4724.2	4482.4	3970.8	3627.1	3411.2	3161.4	2991.6	2935.6
57.5°	4940.0	*5373.7*	5359.7	4520.3	3725.0	3329.3	2939.6	2601.9	2426.0	2390.1
60°	*4704.2*	*5851.3*	*5801.3*	*4456.4*	*3279.3*	*2701.8*	*2246.2*	*1900.5*	*1614.7*	*1572.7*
62.5°	4402.4	*5485.6*	5467.6	4134.7	2498.0	1936.4	1678.6	1354.9	1233.0	1201.0
65°	3771.0	*4488.4*	4496.4	3317.3	1580.7	1390.9	1378.9	1077.1	927.3	903.3
67.5°	2903.7	*3443.2*	3387.3	2086.3	921.3	1113.1	1101.1	787.4	569.5	553.6
70°	1696.6	*2563.9*	2474.0	1085.1	609.5	929.2	847.3	553.6	387.7	369.7
72.5°	749.4	*1410.9*	1514.8	477.6	429.7	739.4	611.5	339.7	217.8	213.8
75°	415.7	*699.4*	731.4	207.8	301.8	525.6	369.7	189.8	123.9	121.9
77.5°	249.8	*309.7*	301.8	133.9	225.8	335.7	223.8	107.9	77.9	73.9
80°	139.9	*141.9*	119.9	97.9	133.9	187.8	125.9	67.9	36.0	36.0
82.5°	85.9	*77.9*	61.9	30.0	36.0	113.9	46.0	38.0	12.0	12.0
85°	36.0	*24.0*	16.0	6.0	14.0	30.0	16.0	18.0	6.0	6.0
87.5°	0.0	*0.0*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
90°	0.0	*0.0*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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: SP1-2407-184-1

Test Date: 10/09/2024

Luminaire Tested: GSS-SB1A-740-U-5WQ

Data in this report applies to families of products including GSS-SB1A-740-U-5WQ

Report Generated By FNC07603 / LDUCLS01DT446
Version: v7.04

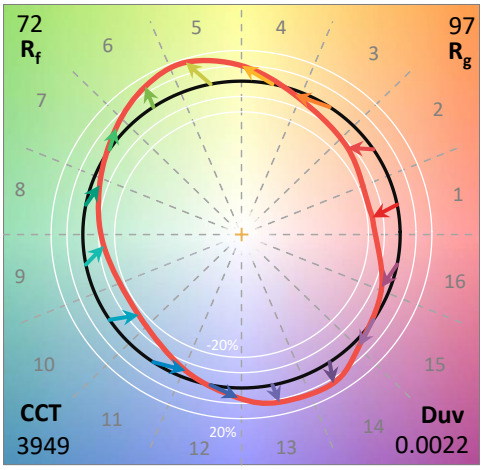
Test Information

Test Method:	LM-79-2019
Report Number:	SP1-2407-184-1
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-740-U-5WQ**
Description:	GALLEON II SITE SLIM 1SQ 350MA 5WQ HIGH DENSITY LIGHTSQUARE WITH 70 CRI 4000K CCT 26 LEDS

Spectral Parameters

CCT (K):	3949
CIE u':	0.2248
CIE v':	0.5053
Duv:	0.0022
CIE x:	0.3844
CIE y:	0.3840
CIE z:	0.2316
Peak Wavelength (nm):	440
Dominant Wavelength (nm):	578
Purity:	30.60026
Rf:	71.8
Rg:	96.5

CRI (Ra):	70.7
R1:	68.0
R2:	76.0
R3:	84.3
R4:	72.0
R5:	68.6
R6:	68.3
R7:	77.9
R8:	50.3
R9:	-36.7
R10:	45.1
R11:	70.7
R12:	47.1
R13:	68.5
R14:	91.1
R15:	58.7



Test Conditions

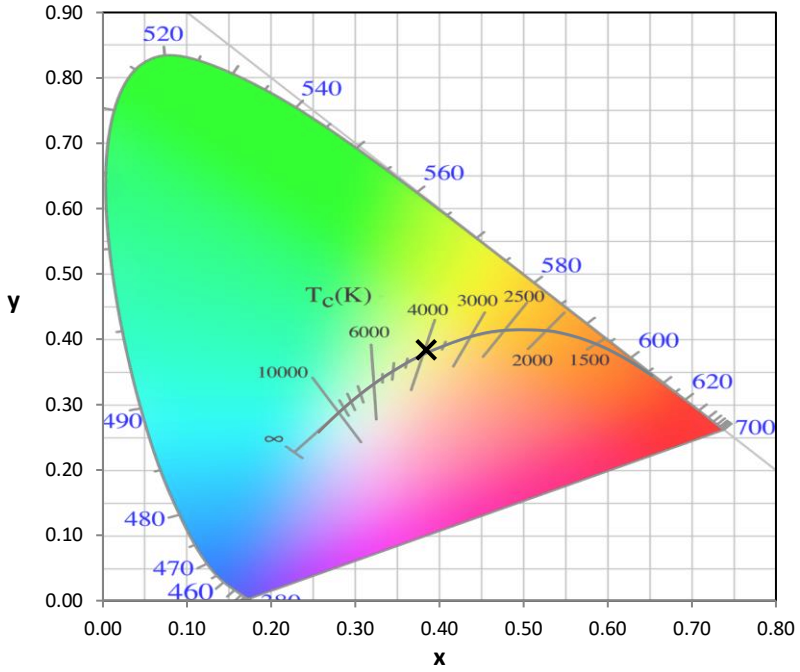
Stabilization Time:	34M
Operation Time:	1H 34M
Sphere Temperature (°C):	25.2

REPORT NUMBER: SP1-2407-184-1

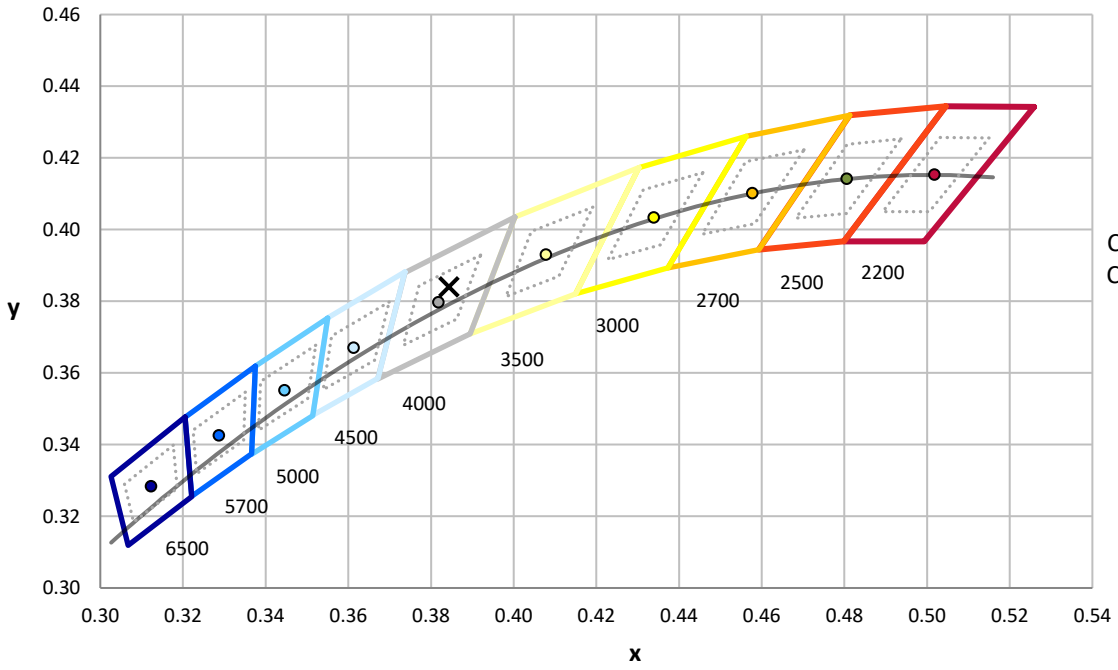
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

REPORT NUMBER: SP1-2407-184-1

CIE 1931 Chromaticity Diagram



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

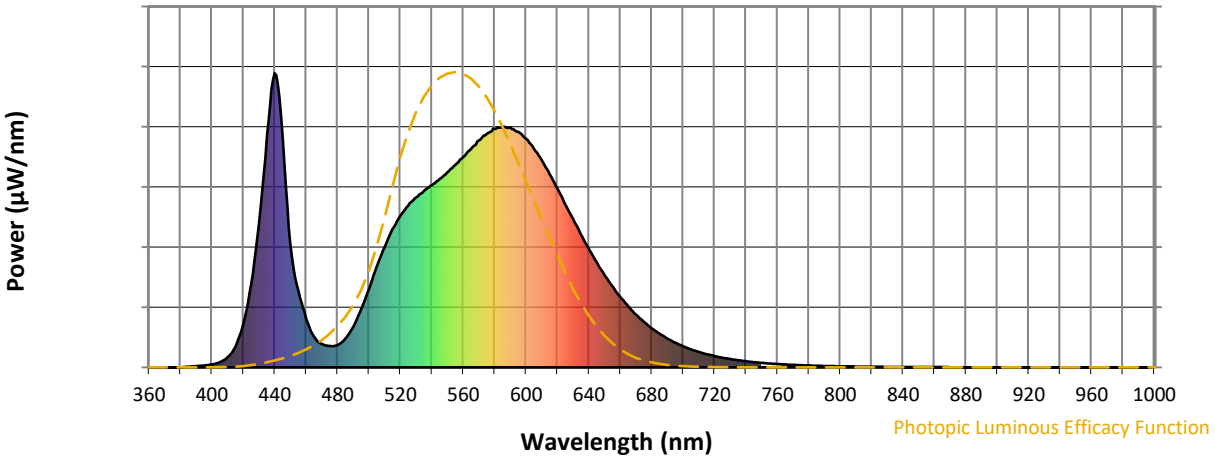


CCT = 3949K
CIE x = 0.3844
CIE y = 0.3840
Duv = 0.0022

Point lies inside the ANSI 4000K 4-step quadrangle

REPORT NUMBER: SP1-2407-184-1

Photopic Flux vs. Wavelength

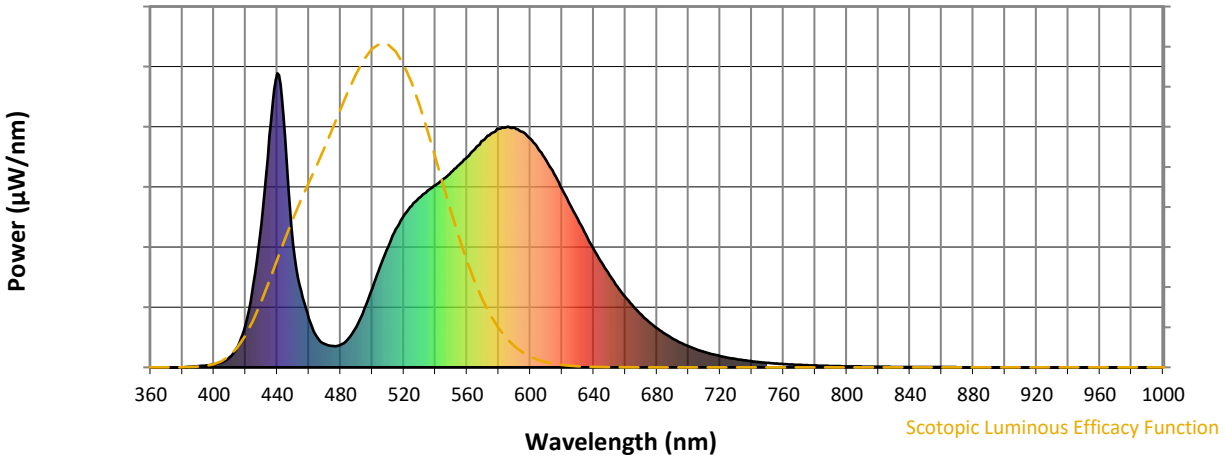


Photopic Lumens: NR

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	139	NR	620	607	NR	750	15	NR	880	0	NR
365	0	NR	495	198	NR	625	554	NR	755	13	NR	885	0	NR
370	0	NR	500	267	NR	630	504	NR	760	11	NR	890	0	NR
375	0	NR	505	343	NR	635	452	NR	765	10	NR	895	0	NR
380	0	NR	510	410	NR	640	403	NR	770	8	NR	900	0	NR
385	2	NR	515	470	NR	645	357	NR	775	7	NR	905	0	NR
390	4	NR	520	516	NR	650	314	NR	780	6	NR	910	0	NR
395	7	NR	525	550	NR	655	275	NR	785	5	NR	915	0	NR
400	10	NR	530	578	NR	660	240	NR	790	5	NR	920	0	NR
405	17	NR	535	601	NR	665	208	NR	795	4	NR	925	0	NR
410	35	NR	540	620	NR	670	179	NR	800	4	NR	930	0	NR
415	70	NR	545	641	NR	675	155	NR	805	3	NR	935	0	NR
420	147	NR	550	664	NR	680	133	NR	810	3	NR	940	0	NR
425	285	NR	555	689	NR	685	114	NR	815	2	NR	945	0	NR
430	487	NR	560	715	NR	690	98	NR	820	2	NR	950	0	NR
435	787	NR	565	743	NR	695	84	NR	825	2	NR	955	0	NR
440	1000	NR	570	771	NR	700	72	NR	830	2	NR	960	0	NR
445	783	NR	575	794	NR	705	61	NR	835	1	NR	965	0	NR
450	417	NR	580	811	NR	710	52	NR	840	1	NR	970	0	NR
455	261	NR	585	817	NR	715	45	NR	845	1	NR	975	0	NR
460	167	NR	590	815	NR	720	39	NR	850	1	NR	980	0	NR
465	104	NR	595	801	NR	725	33	NR	855	1	NR	985	0	NR
470	79	NR	600	777	NR	730	28	NR	860	1	NR	990	0	NR
475	73	NR	605	744	NR	735	24	NR	865	1	NR	995	0	NR
480	76	NR	610	704	NR	740	21	NR	870	1	NR	1000	0	NR
485	98	NR	615	657	NR	745	18	NR	875	1	NR			

REPORT NUMBER: SP1-2407-184-1

Scotopic Flux vs. Wavelength

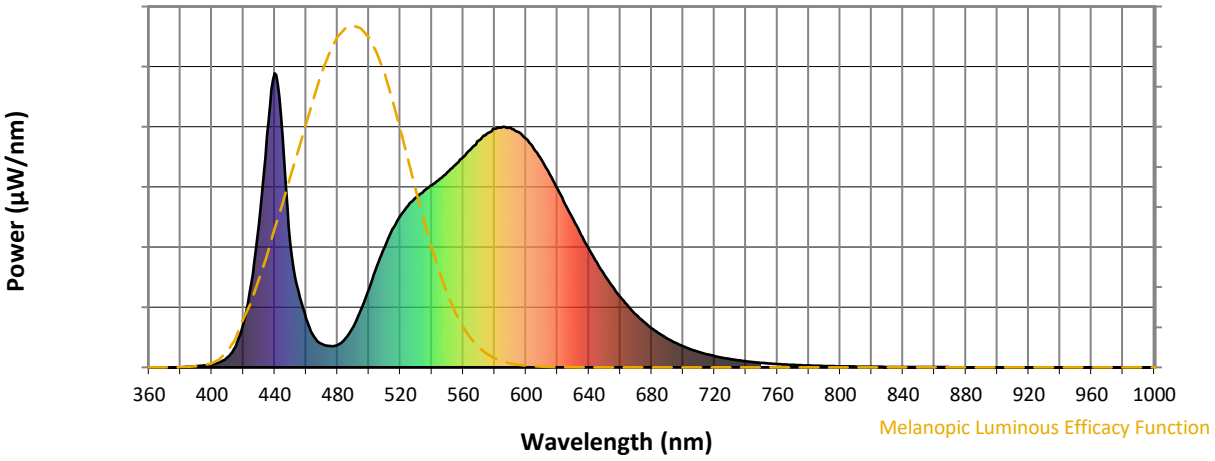


Scotopic Lumens: NR **S/P: 1.47**

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	139	NR	620	607	NR	750	15	NR	880	0	NR
365	0	NR	495	198	NR	625	554	NR	755	13	NR	885	0	NR
370	0	NR	500	267	NR	630	504	NR	760	11	NR	890	0	NR
375	0	NR	505	343	NR	635	452	NR	765	10	NR	895	0	NR
380	0	NR	510	410	NR	640	403	NR	770	8	NR	900	0	NR
385	2	NR	515	470	NR	645	357	NR	775	7	NR	905	0	NR
390	4	NR	520	516	NR	650	314	NR	780	6	NR	910	0	NR
395	7	NR	525	550	NR	655	275	NR	785	5	NR	915	0	NR
400	10	NR	530	578	NR	660	240	NR	790	5	NR	920	0	NR
405	17	NR	535	601	NR	665	208	NR	795	4	NR	925	0	NR
410	35	NR	540	620	NR	670	179	NR	800	4	NR	930	0	NR
415	70	NR	545	641	NR	675	155	NR	805	3	NR	935	0	NR
420	147	NR	550	664	NR	680	133	NR	810	3	NR	940	0	NR
425	285	NR	555	689	NR	685	114	NR	815	2	NR	945	0	NR
430	487	NR	560	715	NR	690	98	NR	820	2	NR	950	0	NR
435	787	NR	565	743	NR	695	84	NR	825	2	NR	955	0	NR
440	1000	NR	570	771	NR	700	72	NR	830	2	NR	960	0	NR
445	783	NR	575	794	NR	705	61	NR	835	1	NR	965	0	NR
450	417	NR	580	811	NR	710	52	NR	840	1	NR	970	0	NR
455	261	NR	585	817	NR	715	45	NR	845	1	NR	975	0	NR
460	167	NR	590	815	NR	720	39	NR	850	1	NR	980	0	NR
465	104	NR	595	801	NR	725	33	NR	855	1	NR	985	0	NR
470	79	NR	600	777	NR	730	28	NR	860	1	NR	990	0	NR
475	73	NR	605	744	NR	735	24	NR	865	1	NR	995	0	NR
480	76	NR	610	704	NR	740	21	NR	870	1	NR	1000	0	NR
485	98	NR	615	657	NR	745	18	NR	875	1	NR			

REPORT NUMBER: SP1-2407-184-1

Melanopic Flux vs. Wavelength



Melanopic Lumens: NR **M/P: 2.78**

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	139	NR	620	607	NR	750	15	NR	880	0	NR
365	0	NR	495	198	NR	625	554	NR	755	13	NR	885	0	NR
370	0	NR	500	267	NR	630	504	NR	760	11	NR	890	0	NR
375	0	NR	505	343	NR	635	452	NR	765	10	NR	895	0	NR
380	0	NR	510	410	NR	640	403	NR	770	8	NR	900	0	NR
385	2	NR	515	470	NR	645	357	NR	775	7	NR	905	0	NR
390	4	NR	520	516	NR	650	314	NR	780	6	NR	910	0	NR
395	7	NR	525	550	NR	655	275	NR	785	5	NR	915	0	NR
400	10	NR	530	578	NR	660	240	NR	790	5	NR	920	0	NR
405	17	NR	535	601	NR	665	208	NR	795	4	NR	925	0	NR
410	35	NR	540	620	NR	670	179	NR	800	4	NR	930	0	NR
415	70	NR	545	641	NR	675	155	NR	805	3	NR	935	0	NR
420	147	NR	550	664	NR	680	133	NR	810	3	NR	940	0	NR
425	285	NR	555	689	NR	685	114	NR	815	2	NR	945	0	NR
430	487	NR	560	715	NR	690	98	NR	820	2	NR	950	0	NR
435	787	NR	565	743	NR	695	84	NR	825	2	NR	955	0	NR
440	1000	NR	570	771	NR	700	72	NR	830	2	NR	960	0	NR
445	783	NR	575	794	NR	705	61	NR	835	1	NR	965	0	NR
450	417	NR	580	811	NR	710	52	NR	840	1	NR	970	0	NR
455	261	NR	585	817	NR	715	45	NR	845	1	NR	975	0	NR
460	167	NR	590	815	NR	720	39	NR	850	1	NR	980	0	NR
465	104	NR	595	801	NR	725	33	NR	855	1	NR	985	0	NR
470	79	NR	600	777	NR	730	28	NR	860	1	NR	990	0	NR
475	73	NR	605	744	NR	735	24	NR	865	1	NR	995	0	NR
480	76	NR	610	704	NR	740	21	NR	870	1	NR	1000	0	NR
485	98	NR	615	657	NR	745	18	NR	875	1	NR			

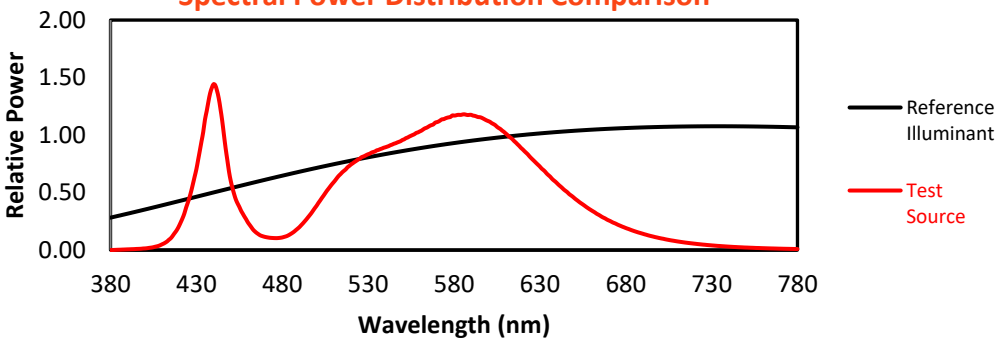
REPORT NUMBER: SP1-2407-184-1

TM-30-18

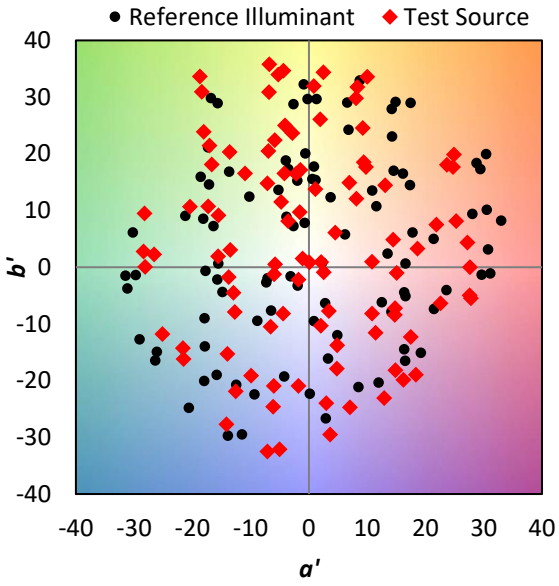
Summary

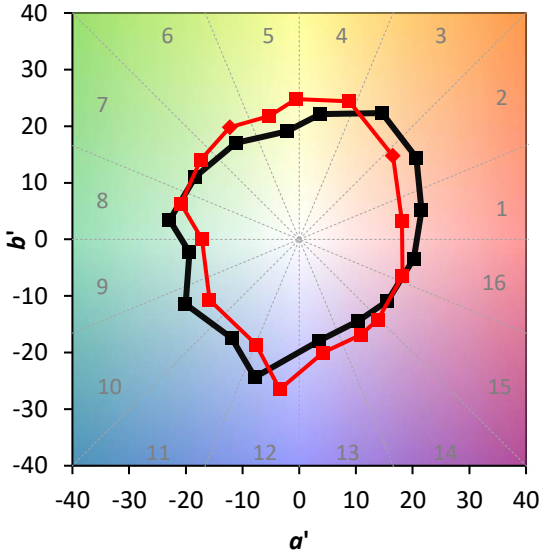
R_f = 71.8
R_g = 96.5
CIE R_a = 70.7
R_9 = -36.7

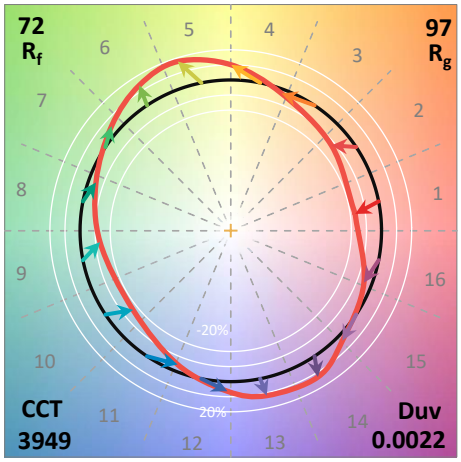
Spectral Power Distribution Comparison

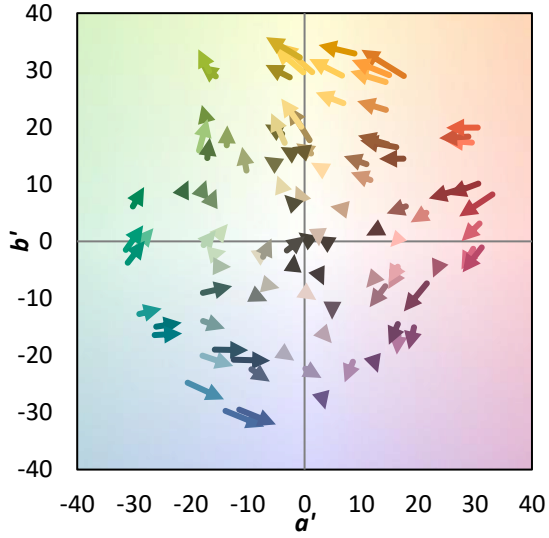


Color Vector Graphics







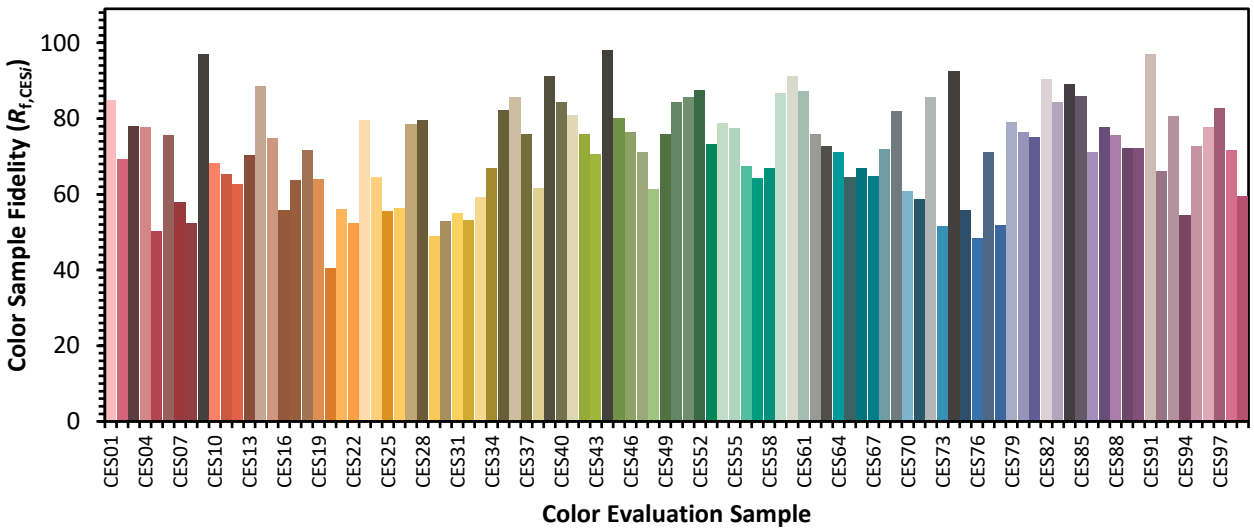


REPORT NUMBER: SP1-2407-184-1

TM-30-18

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

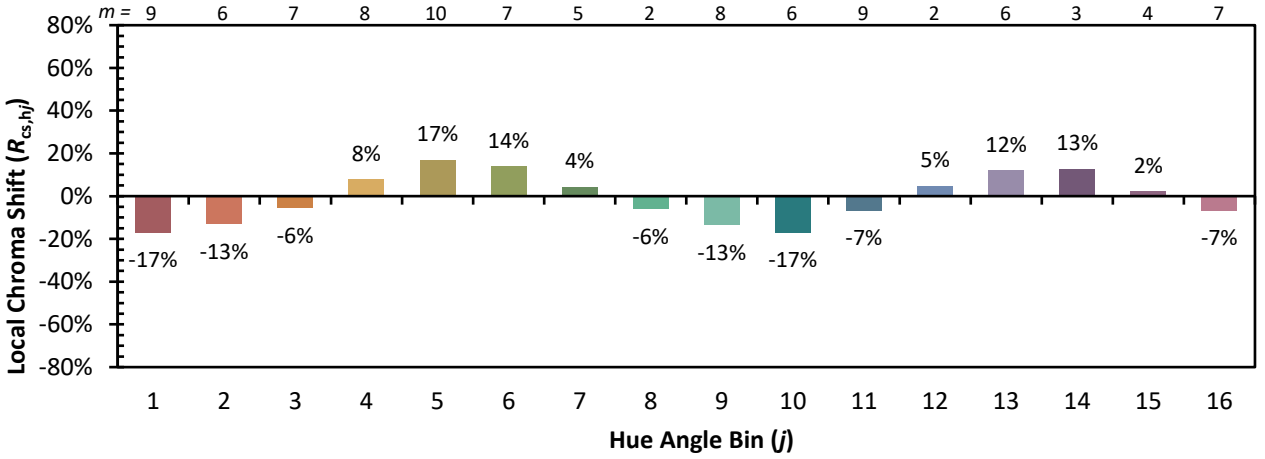
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CES02 = 61	CES27 = 79	CES52 = 88	CES77 = 71
CES03 = 30	CES28 = 80	CES53 = 73	CES78 = 52
CES04 = 70	CES29 = 49	CES54 = 79	CES79 = 79
CES05 = 47	CES30 = 53	CES55 = 77	CES80 = 77
CES06 = 50	CES31 = 55	CES56 = 67	CES81 = 75
CES07 = 40	CES32 = 53	CES57 = 64	CES82 = 90
CES08 = 39	CES33 = 59	CES58 = 67	CES83 = 84
CES09 = 29	CES34 = 67	CES59 = 87	CES84 = 89
CES10 = 74	CES35 = 82	CES60 = 91	CES85 = 86
CES11 = 57	CES36 = 86	CES61 = 87	CES86 = 71
CES12 = 63	CES37 = 76	CES62 = 76	CES87 = 78
CES13 = 42	CES38 = 62	CES63 = 73	CES88 = 76
CES14 = 74	CES39 = 91	CES64 = 71	CES89 = 72
CES15 = 71	CES40 = 84	CES65 = 64	CES90 = 72
CES16 = 46	CES41 = 81	CES66 = 67	CES91 = 97
CES17 = 49	CES42 = 76	CES67 = 65	CES92 = 66
CES18 = 56	CES43 = 71	CES68 = 72	CES93 = 81
CES19 = 72	CES44 = 98	CES69 = 82	CES94 = 55
CES20 = 65	CES45 = 80	CES70 = 61	CES95 = 73
CES21 = 86	CES46 = 76	CES71 = 59	CES96 = 78
CES22 = 78	CES47 = 71	CES72 = 86	CES97 = 83
CES23 = 92	CES48 = 61	CES73 = 52	CES98 = 72
CES24 = 91	CES49 = 76	CES74 = 93	CES99 = 60
CES25 = 72	CES50 = 84	CES75 = 56	

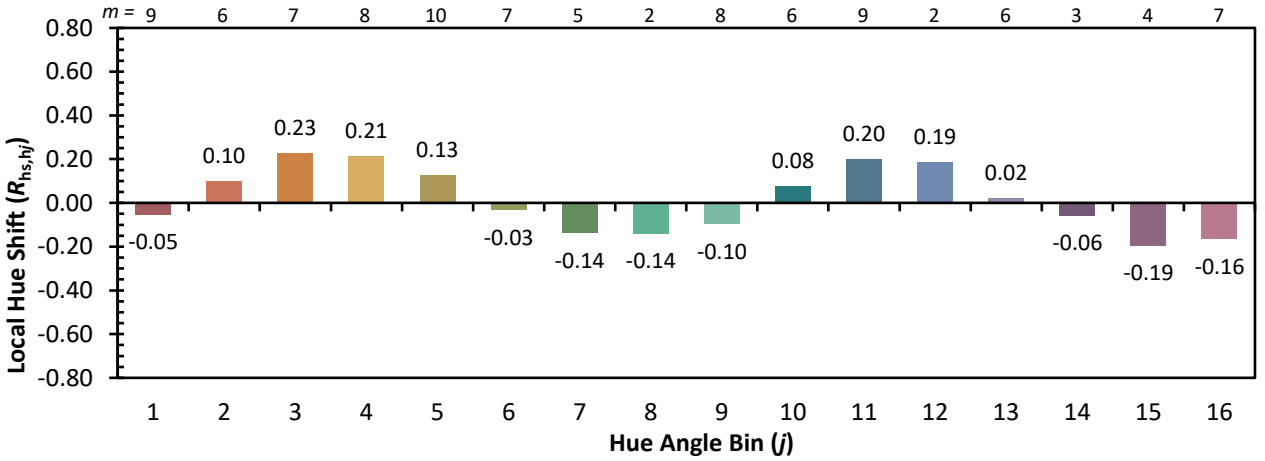


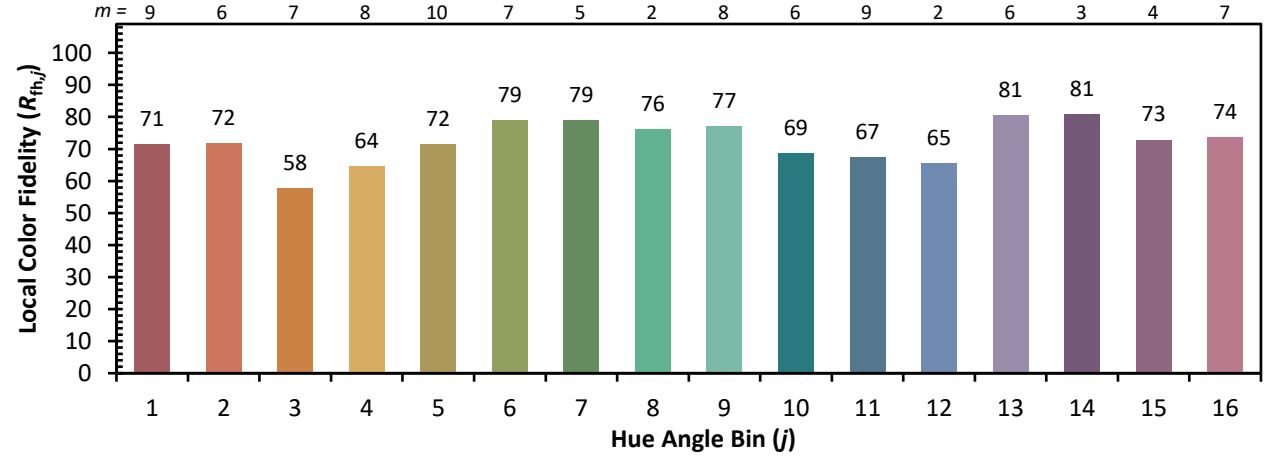
REPORT NUMBER: SP1-2407-184-1

TM-30-18

Color Rendition by Hue-Angle Bin



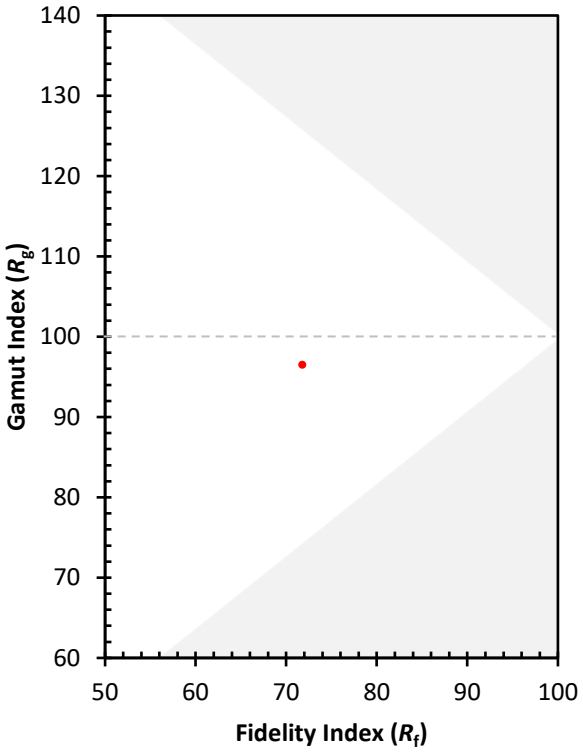


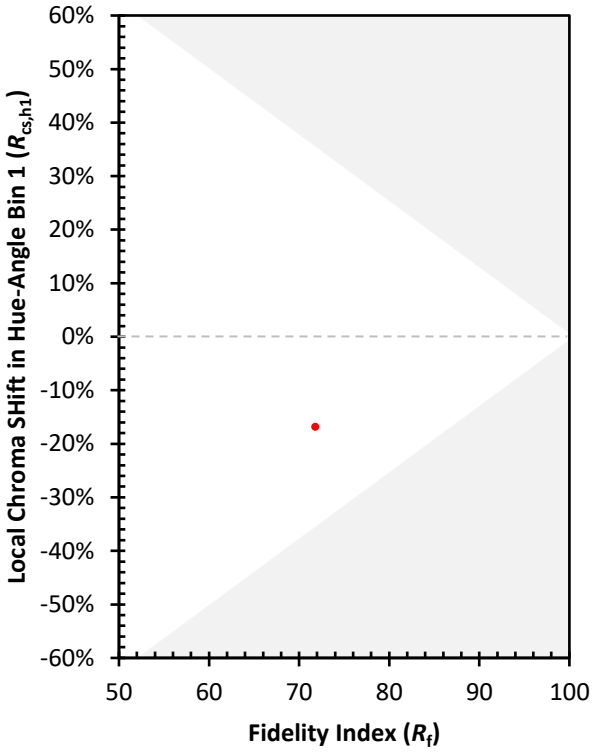


REPORT NUMBER: SP1-2407-184-1

TM-30-18

Measure Comparisons





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