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: P1365322

Luminaire Tested: **GSS-SB1D-727-U-SLL-HSS**

Issue Date: 02/18/2026

Report Generated By 670245763

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Scaled Data Report

Test Information

Test Method:	LM-79-08
Report Number:	P1365322
Test Lab:	INNOVATION CENTER(G1)
Issue Date:	02/18/2026
Manufacturer:	COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line:	McGRAW-EDISON
Catalog Number:	GSS-SB1D-727-U-SLL-HSS
Description:	GALLEON II SLIM SITE HIGH DENSITY LED ARRAYS 1SQUARE 76W 70CRI 2700K FIXTURE w/ 90° Spill Light Eliminator LETT OPTIC OPTIC AND HOUSE SIDE SHIELD
Light Source:	(26) 2700K CCT, 70 CRI LEDS
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	6526 lumens
Efficiency:	N/A
Efficacy:	85.9 lumens/watt
Luminous Opening:	Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification:	Type III - Short
BUG Rating:	B1 - U0 - G2

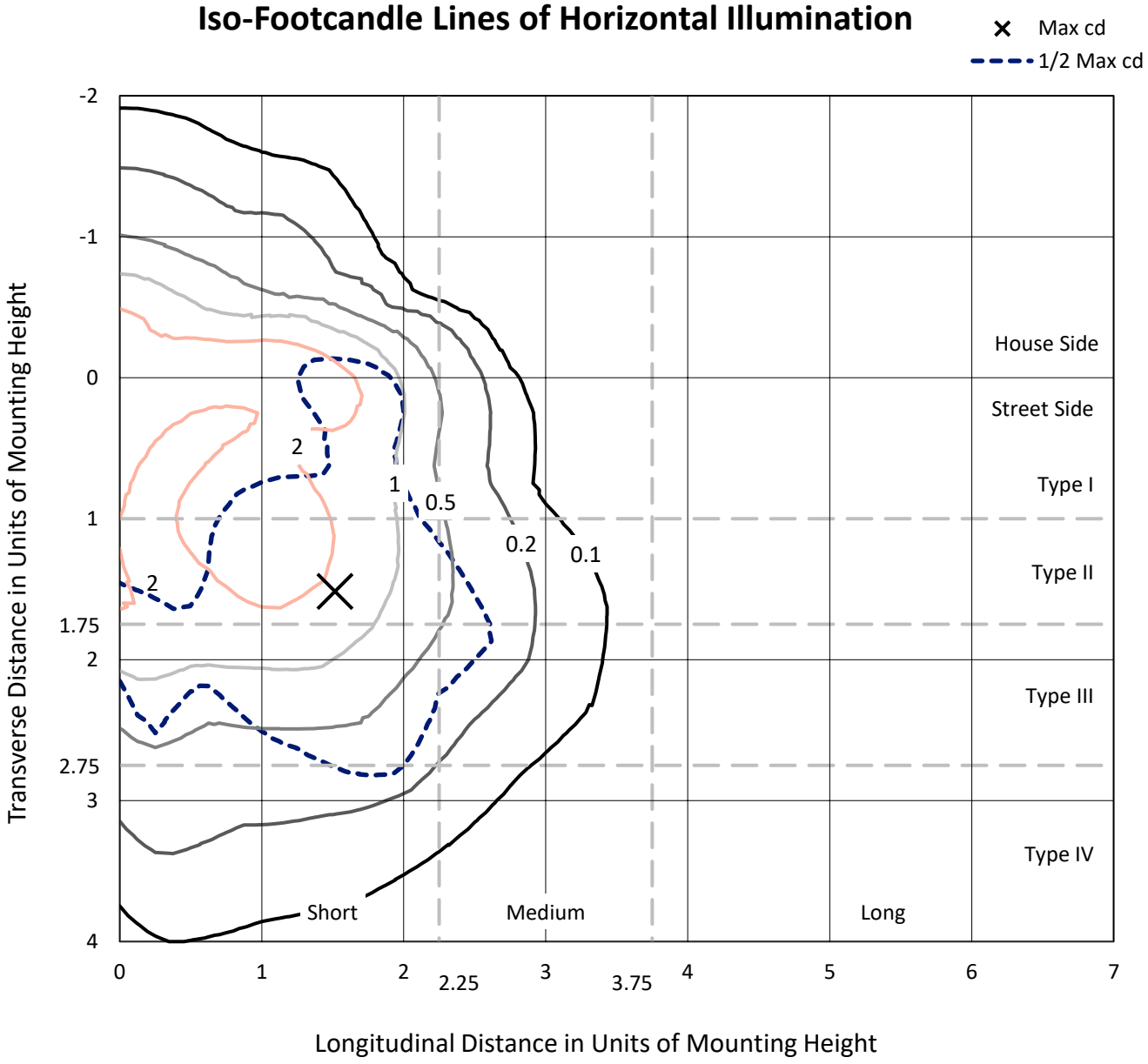
Input Watts (W):	76
Input Voltage (V):	120
Input Current (Ain):	NR
Voltage Rise (V):	NR
Power Factor:	0.98
Total Harmonic Distortion (THDi):	6.7%
Frequency (hertz):	60
Stabilization Time:	NR
Operation Time:	NR
Ambient Temperature (°C):	NR
Test Distance:	28.75 FT

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Iso-Footcandle Lines of Horizontal Illumination



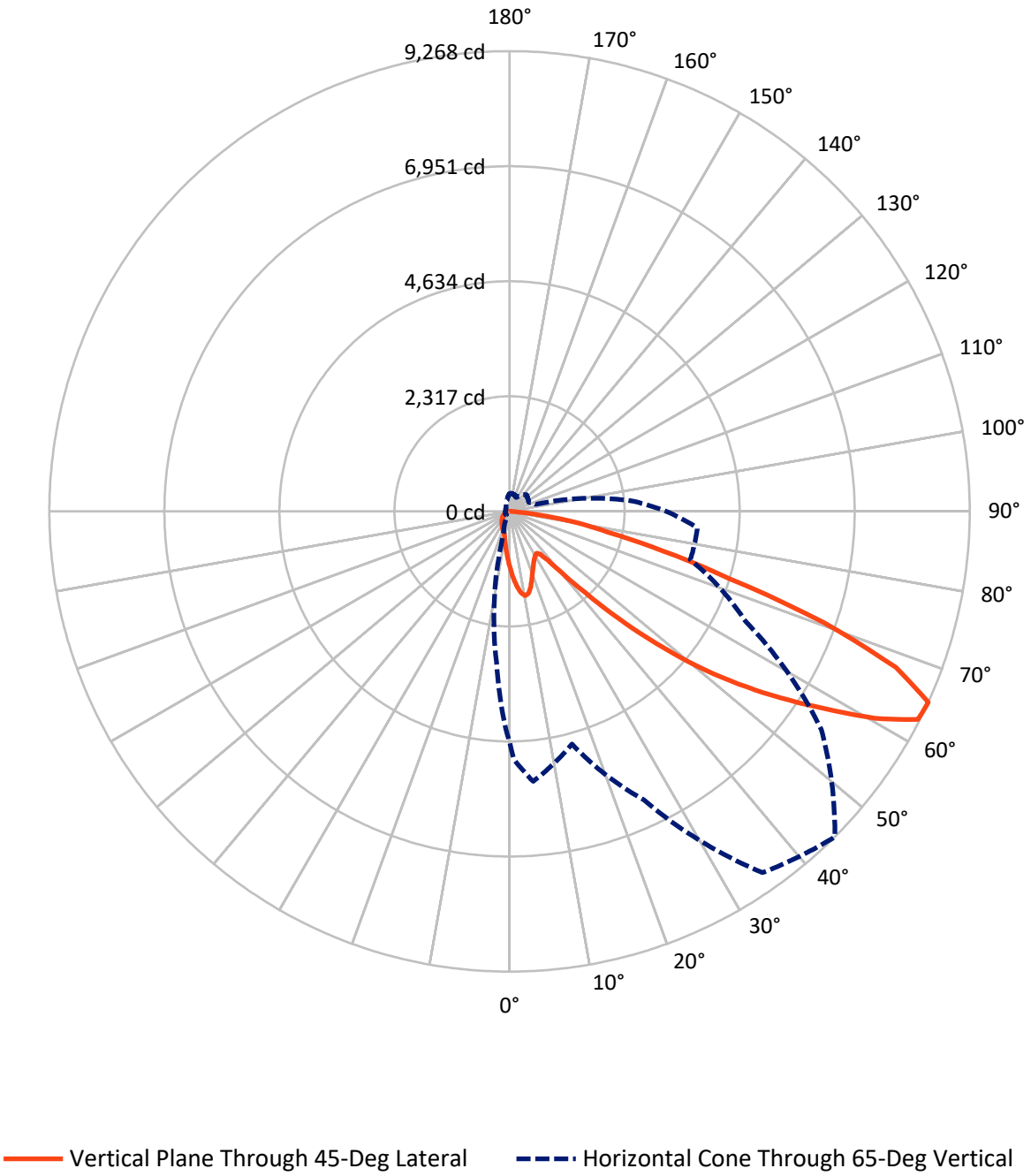
Based on 20 foot mounting height. Maximum calculated value = 4.1 fc
Type III - Short - N/A

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Luminous Intensity Polar Plot



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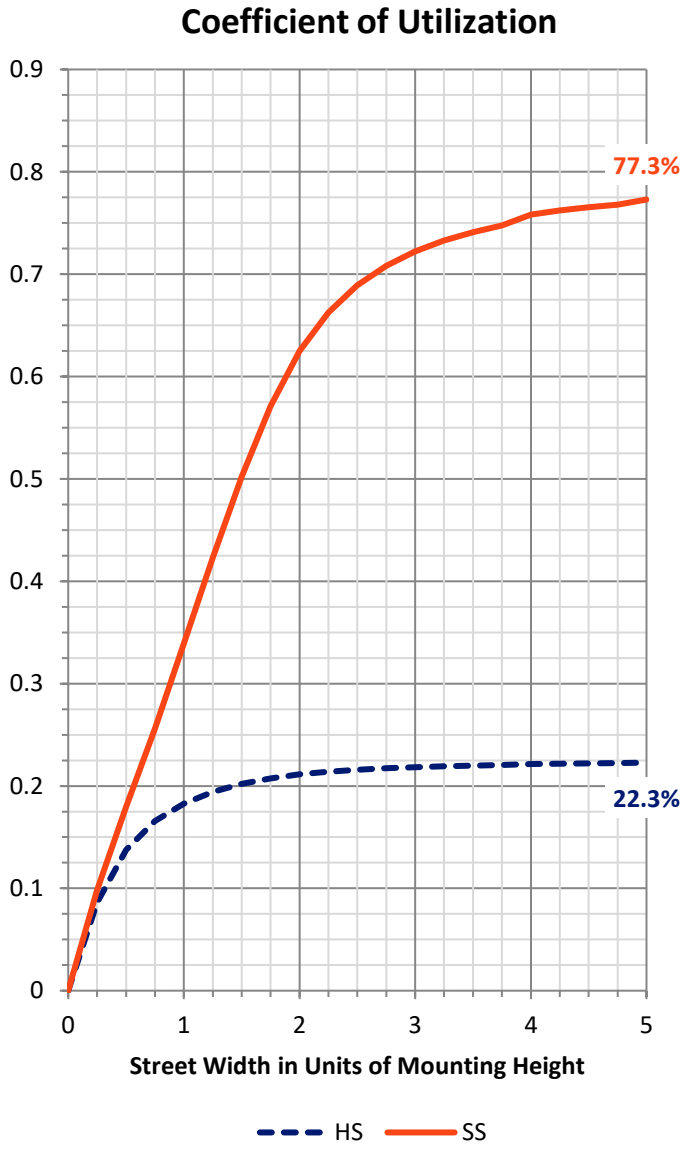
REPORT NUMBER: P1365322
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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1468.0	0.0	1468.0
	% Fixture	22.5	0.0	22.5
Street Side	Lumens	5058.0	0.0	5058.0
	% Fixture	77.5	0.0	77.5
Total	Lumens	6526.0	0.0	6526.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	108.4	1.7
10°-20°	299.7	4.6
20°-30°	429.2	6.6
30°-40°	538.4	8.3
40°-50°	884.4	13.6
50°-60°	1596.9	24.5
60°-70°	1772.8	27.2
70°-80°	801.3	12.3
80°-90°	94.8	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°	6526.0	100.0
0°-180°	6526.0	100.0



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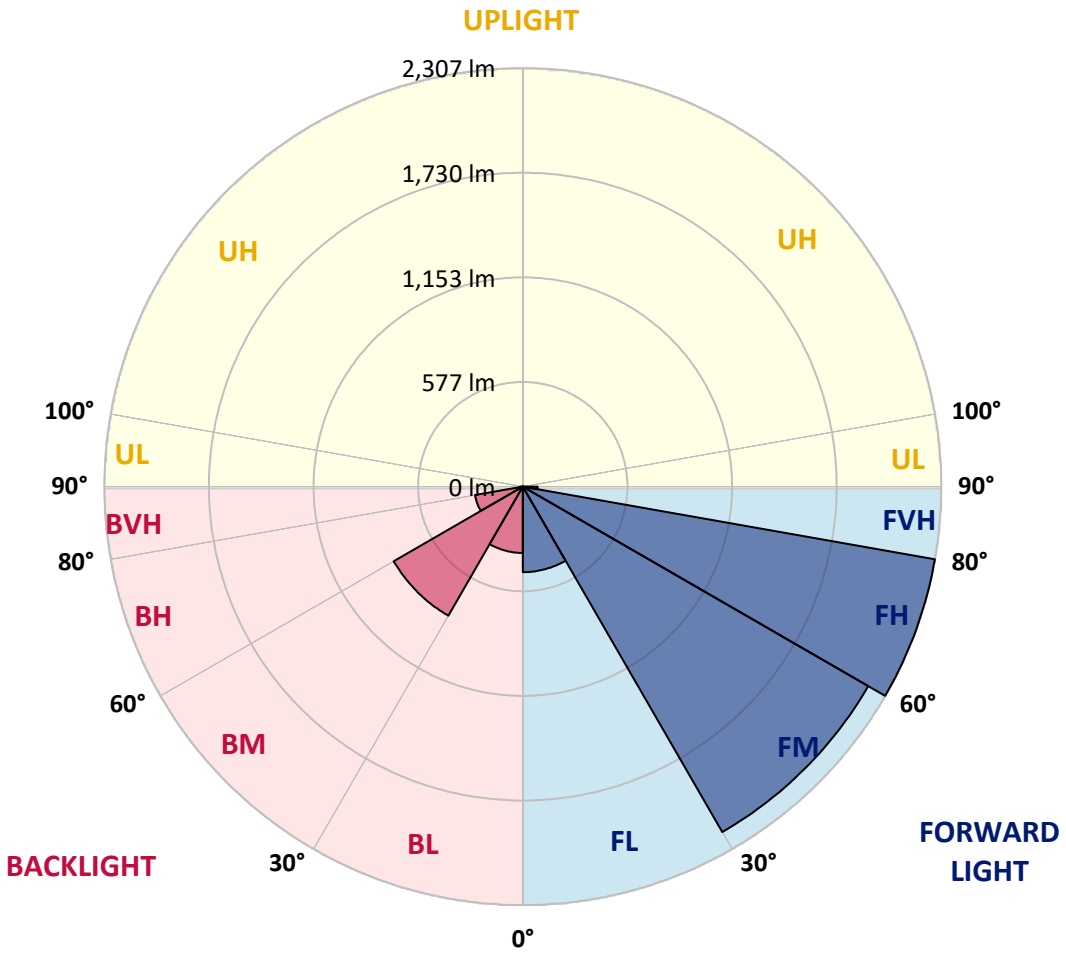
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	471.4	7.2			
FM	(30°-60°)	2198.4	33.7			
FH	(60°-80°)	2306.7	35.3			G2/5000
FVH	(80°-90°)	81.4	1.2			G1/100
BL	(0°-30°)	365.8	5.6	B1/500		
BM	(30°-60°)	821.4	12.6	B1/1000		
BH	(60°-80°)	267.4	4.1	B1/500		G1/500
BVH	(80°-90°)	13.4	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



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CANDELA DISTRIBUTION (FULL):

	0°	1°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	1127.4	1127.4	1127.4	1127.4	1127.4	1127.4	1127.4	1127.4	1127.4	1127.4	1127.4
2.5°	1241.6	1257.6	1255.6	1277.6	1297.7	1311.7	1323.7	1319.7	1309.7	1289.6	1275.6
5°	1371.8	1383.8	1403.8	1445.8	1477.9	1505.9	1501.9	1505.9	1475.9	1445.8	1409.8
7.5°	1483.9	1497.9	1525.9	1586.0	1626.1	1660.1	1656.1	1644.1	1610.1	1560.0	1505.9
10°	1554.0	1564.0	1594.0	1662.1	1708.2	1736.2	1726.2	1706.2	1662.1	1612.1	1548.0
12.5°	1584.0	1596.0	1622.1	1676.1	1706.2	1700.2	1696.2	1692.2	1670.1	1632.1	1574.0
15°	1588.0	1596.0	1616.1	1640.1	1628.1	1594.0	1586.0	1616.1	1644.1	1636.1	1588.0
17.5°	1588.0	1600.0	1604.0	1580.0	1517.9	1455.9	1447.9	1497.9	1576.0	1638.1	1610.1
20°	1594.0	1600.0	1592.0	1513.9	1397.8	1329.7	1315.7	1377.8	1493.9	1616.1	1632.1
22.5°	1602.0	1608.1	1574.0	1435.8	1299.7	1227.6	1219.6	1265.6	1401.8	1584.0	1656.1
25°	1618.1	1614.1	1562.0	1367.7	1213.6	1145.5	1133.4	1193.5	1325.7	1552.0	1696.2
27.5°	1638.1	1620.1	1546.0	1311.7	1151.5	1079.4	1071.4	1129.4	1261.6	1511.9	1730.2
30°	1664.1	1646.1	1544.0	1267.6	1105.4	1033.3	1023.3	1087.4	1217.6	1483.9	1778.3
32.5°	1700.2	1674.1	1546.0	1233.6	1079.4	1011.3	1005.3	1073.4	1199.5	1467.9	1828.3
35°	1748.2	1710.2	1554.0	1221.6	1087.4	1041.3	1055.3	1107.4	1217.6	1479.9	1910.4
37.5°	1808.3	1772.3	1594.0	1247.6	1175.5	1207.5	1243.6	1263.6	1303.7	1536.0	2042.6
40°	1908.4	1858.4	1654.1	1331.7	1411.8	1562.0	1632.1	1624.1	1532.0	1664.1	2228.8
42.5°	2048.6	2002.6	1776.3	1546.0	1806.3	2124.7	2242.9	2174.8	1896.4	1868.4	2535.2
45°	2262.9	2186.8	1940.5	1864.4	2282.9	2805.6	3071.9	2837.6	2359.0	2190.8	2971.8
47.5°	2537.2	2461.1	2196.8	2182.8	2815.6	3646.7	3963.1	3502.5	2817.6	2613.3	3494.5
50°	2977.8	2893.7	2573.3	2507.2	3404.4	4485.7	4908.3	4165.3	3284.2	3061.9	4139.3
52.5°	3582.6	3526.5	3170.1	2841.6	3931.0	5410.9	5775.4	4858.2	3644.7	3574.6	4842.2
55°	4425.7	4371.6	3947.0	3214.1	4429.7	6338.1	6632.5	5489.0	3959.1	4175.3	5577.1
57.5°	5380.9	5471.0	5010.4	3710.7	4954.3	7085.1	7495.6	6061.7	4383.6	4978.4	6394.2
60°	6003.7	6288.0	6230.0	4577.8	5769.4	8014.2	8460.8	6828.7	5004.4	5569.1	6376.1
62.5°	5463.0	5747.3	6191.9	5583.1	6554.4	8855.3	9231.8	7635.8	5621.2	5098.5	5354.8
65°	4635.9	4990.4	5459.0	4850.2	6416.2	8881.3	9267.8	7665.8	5244.7	3768.8	3796.9
67.5°	3995.1	4309.5	4886.2	4127.3	5687.3	8088.3	8392.7	6838.7	4335.5	2499.2	2477.2
70°	3334.3	3622.6	4351.6	3674.7	4982.4	6970.9	6708.6	5749.3	3664.7	1660.1	1375.8
72.5°	2841.6	3108.0	3866.9	3302.2	3953.1	5649.2	4623.9	4770.1	2981.8	1055.3	937.2
75°	2351.0	2595.3	3288.2	2989.8	3270.2	3524.5	3196.1	3388.3	2457.1	895.1	722.9
77.5°	1650.1	1802.3	2306.9	2379.0	2545.3	2086.7	2026.6	2373.0	1748.2	444.6	304.4
80°	813.0	907.2	1203.5	1415.8	1203.5	1183.5	1349.7	1580.0	907.2	272.3	168.2
82.5°	364.5	432.6	554.7	857.1	434.6	472.6	596.8	841.1	412.5	162.2	72.1
85°	58.1	64.1	108.1	144.2	118.2	182.2	174.2	164.2	88.1	44.1	20.0
87.5°	2.0	2.0	2.0	4.0	6.0	8.0	10.0	10.0	10.0	10.0	10.0
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°	1127.4	1127.4	1127.4	1127.4	1127.4	1127.4	1127.4	1127.4	1127.4	1127.4	1127.4
2.5°	1271.6	1265.6	1235.6	1205.5	1179.5	1153.5	1127.4	1091.4	1063.4	1039.3	1029.3
5°	1391.8	1359.7	1313.7	1263.6	1219.6	1169.5	1121.4	1067.4	1023.3	977.2	953.2
7.5°	1473.9	1441.8	1365.7	1289.6	1235.6	1181.5	1131.4	1071.4	1013.3	947.2	911.2
10°	1511.9	1475.9	1393.8	1305.7	1239.6	1185.5	1139.5	1089.4	1031.3	949.2	901.2
12.5°	1538.0	1493.9	1399.8	1309.7	1243.6	1187.5	1143.5	1107.4	1073.4	993.3	937.2
15°	1554.0	1513.9	1415.8	1311.7	1237.6	1171.5	1129.4	1117.4	1123.4	1085.4	1017.3
17.5°	1578.0	1540.0	1435.8	1323.7	1227.6	1137.5	1091.4	1117.4	1171.5	1183.5	1129.4
20°	1610.1	1570.0	1461.9	1333.7	1197.5	1073.4	1029.3	1095.4	1185.5	1247.6	1217.6
22.5°	1646.1	1614.1	1491.9	1343.7	1153.5	989.3	969.2	1049.3	1145.5	1225.6	1227.6
25°	1690.2	1660.1	1534.0	1353.7	1093.4	917.2	921.2	989.3	1065.4	1147.5	1161.5
27.5°	1750.2	1722.2	1586.0	1365.7	1031.3	859.1	879.1	929.2	981.3	1031.3	1051.3
30°	1816.3	1794.3	1648.1	1389.8	973.2	825.1	837.1	871.1	913.2	943.2	953.2
32.5°	1906.4	1870.4	1706.2	1387.8	929.2	809.0	797.0	807.0	841.1	871.1	873.1
35°	2018.6	1990.5	1766.3	1351.7	889.1	801.0	759.0	753.0	773.0	803.0	801.0
37.5°	2182.8	2158.8	1864.4	1295.7	839.1	781.0	718.9	698.9	712.9	732.9	738.9
40°	2429.1	2367.0	1976.5	1233.6	789.0	745.0	670.9	642.8	652.8	674.9	678.9
42.5°	2763.5	2645.4	2126.7	1149.5	740.9	690.9	622.8	592.8	598.8	618.8	622.8
45°	3192.1	3013.9	2333.0	1061.4	702.9	634.8	572.7	540.7	546.7	568.7	578.7
47.5°	3692.7	3448.4	2549.3	967.2	680.9	590.8	522.7	498.6	512.7	534.7	538.7
50°	4283.5	4037.2	2687.4	891.1	666.9	556.7	476.6	466.6	484.6	502.6	506.6
52.5°	4928.3	4577.8	2599.3	829.1	654.8	544.7	444.6	448.6	462.6	480.6	486.6
55°	5555.1	4776.1	2306.9	749.0	640.8	552.7	420.5	430.6	448.6	462.6	466.6
57.5°	5963.6	4609.9	1858.4	664.8	624.8	558.7	408.5	416.5	436.6	452.6	454.6
60°	5607.2	4245.4	1391.8	592.8	590.8	548.7	404.5	392.5	420.5	434.6	436.6
62.5°	4593.9	3472.4	889.1	524.7	526.7	526.7	402.5	352.5	388.5	400.5	398.5
65°	*3156.0*	*2455.1*	*550.7*	*428.5*	*448.6*	*478.6*	*390.5*	*310.4*	*352.5*	*364.5*	*360.5*
67.5°	2074.7	1560.0	340.4	330.4	368.5	414.5	366.5	278.4	316.4	324.4	312.4
70°	1125.4	734.9	224.3	216.3	288.4	326.4	310.4	250.3	282.4	290.4	278.4
72.5°	742.9	422.5	158.2	158.2	226.3	228.3	254.3	224.3	250.3	258.3	246.3
75°	558.7	272.3	110.1	122.2	144.2	178.2	182.2	188.2	212.3	222.3	210.3
77.5°	256.3	100.1	66.1	90.1	100.1	136.2	116.1	140.2	158.2	162.2	152.2
80°	148.2	56.1	44.1	58.1	64.1	112.1	68.1	84.1	112.1	118.2	106.1
82.5°	62.1	28.0	30.0	36.0	38.0	62.1	48.1	54.1	74.1	72.1	64.1
85°	18.0	18.0	20.0	22.0	22.0	36.0	34.0	32.0	34.0	34.0	28.0
87.5°	12.0	12.0	12.0	14.0	14.0	16.0	18.0	20.0	20.0	20.0	18.0
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°	1127.4	1127.4	1127.4	1127.4	1127.4	1127.4	1127.4	1127.4	1127.4	1127.4	1127.4
2.5°	1015.3	997.3	971.2	967.2	953.2	943.2	953.2	963.2	981.3	983.3	991.3
5°	931.2	889.1	857.1	821.0	803.0	801.0	797.0	809.0	835.1	851.1	863.1
7.5°	875.1	799.0	742.9	692.9	674.9	660.8	672.9	670.9	704.9	718.9	730.9
10°	845.1	738.9	654.8	592.8	568.7	554.7	552.7	556.7	576.7	590.8	604.8
12.5°	865.1	714.9	590.8	518.7	492.6	476.6	462.6	462.6	466.6	484.6	490.6
15°	931.2	728.9	560.7	482.6	448.6	422.5	404.5	390.5	392.5	394.5	400.5
17.5°	1027.3	765.0	550.7	460.6	424.5	392.5	374.5	358.5	354.5	354.5	352.5
20°	1119.4	793.0	542.7	442.6	396.5	368.5	352.5	338.4	332.4	332.4	332.4
22.5°	1157.5	817.0	532.7	420.5	368.5	342.4	328.4	318.4	316.4	316.4	314.4
25°	1127.4	809.0	520.7	398.5	342.4	322.4	310.4	300.4	298.4	300.4	298.4
27.5°	1033.3	781.0	504.6	380.5	322.4	304.4	294.4	284.4	282.4	284.4	284.4
30°	933.2	732.9	478.6	366.5	306.4	286.4	276.4	266.3	266.3	268.3	270.3
32.5°	853.1	684.9	448.6	348.4	288.4	270.3	260.3	250.3	250.3	254.3	254.3
35°	785.0	646.8	418.5	330.4	272.3	252.3	244.3	236.3	234.3	238.3	240.3
37.5°	730.9	612.8	386.5	312.4	256.3	238.3	230.3	220.3	218.3	222.3	226.3
40°	674.9	574.7	358.5	290.4	240.3	222.3	214.3	202.3	202.3	206.3	210.3
42.5°	620.8	540.7	340.4	270.3	224.3	204.3	196.3	186.2	186.2	190.2	194.2
45°	576.7	508.6	330.4	250.3	206.3	188.2	178.2	170.2	172.2	176.2	180.2
47.5°	534.7	474.6	332.4	240.3	194.2	170.2	160.2	154.2	158.2	164.2	168.2
50°	502.6	450.6	334.4	224.3	178.2	156.2	146.2	142.2	148.2	154.2	158.2
52.5°	482.6	426.5	322.4	204.3	166.2	142.2	136.2	136.2	142.2	146.2	150.2
55°	462.6	386.5	296.4	182.2	154.2	132.2	128.2	128.2	134.2	138.2	140.2
57.5°	446.6	344.4	266.3	164.2	140.2	122.2	122.2	122.2	124.2	126.2	130.2
60°	416.5	300.4	228.3	150.2	126.2	114.1	112.1	112.1	110.1	112.1	118.2
62.5°	364.5	252.3	194.2	134.2	114.1	104.1	102.1	96.1	90.1	92.1	96.1
65°	*308.4*	*200.3*	*162.2*	*116.1*	*98.1*	*92.1*	*90.1*	*80.1*	*72.1*	*74.1*	*80.1*
67.5°	246.3	150.2	136.2	100.1	84.1	78.1	78.1	72.1	66.1	66.1	70.1
70°	192.2	126.2	102.1	80.1	66.1	66.1	70.1	64.1	56.1	56.1	62.1
72.5°	156.2	102.1	82.1	62.1	52.1	56.1	58.1	52.1	46.1	46.1	50.1
75°	122.2	80.1	64.1	46.1	40.1	42.1	46.1	42.1	36.0	38.0	40.1
77.5°	84.1	54.1	42.1	34.0	30.0	32.0	32.0	30.0	28.0	28.0	30.0
80°	56.1	36.0	28.0	24.0	22.0	22.0	20.0	20.0	22.0	22.0	24.0
82.5°	40.1	26.0	22.0	18.0	14.0	14.0	16.0	16.0	18.0	18.0	20.0
85°	24.0	18.0	16.0	12.0	10.0	12.0	12.0	14.0	16.0	16.0	18.0
87.5°	18.0	14.0	12.0	10.0	8.0	8.0	10.0	10.0	12.0	14.0	14.0
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: P1365322
CATALOG NUMBER: GSS-SB1D-727-U-SLL-HSS

CANDELA DISTRIBUTION (continued):

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	1127.4	1127.4	1127.4	1127.4	1127.4	1127.4	1127.4	1127.4	1127.4	1127.4
2.5°	1011.3	1035.3	1069.4	1099.4	1135.5	1171.5	1205.5	1237.6	1239.6	1241.6
5°	901.2	949.2	1005.3	1073.4	1145.5	1215.6	1289.6	1349.7	1363.7	1371.8
7.5°	779.0	849.1	935.2	1031.3	1139.5	1247.6	1351.7	1441.8	1475.9	1483.9
10°	650.8	736.9	841.1	965.2	1111.4	1255.6	1395.8	1505.9	1546.0	1554.0
12.5°	536.7	606.8	726.9	877.1	1053.3	1243.6	1411.8	1534.0	1574.0	1584.0
15°	438.6	504.6	616.8	775.0	973.2	1201.5	1399.8	1540.0	1580.0	1588.0
17.5°	362.5	404.5	506.6	678.9	901.2	1147.5	1383.8	1544.0	1582.0	1588.0
20°	332.4	340.4	394.5	562.7	825.1	1107.4	1373.8	1550.0	1588.0	1594.0
22.5°	318.4	318.4	330.4	428.5	718.9	1065.4	1369.8	1568.0	1596.0	1602.0
25°	304.4	304.4	308.4	336.4	592.8	1013.3	1377.8	1600.0	1618.1	1618.1
27.5°	290.4	290.4	294.4	300.4	440.6	927.2	1379.8	1636.1	1644.1	1638.1
30°	276.4	280.4	280.4	284.4	324.4	819.0	1367.7	1676.1	1676.1	1664.1
32.5°	262.3	264.3	268.3	270.3	282.4	678.9	1347.7	1726.2	1716.2	1700.2
35°	250.3	252.3	252.3	256.3	268.3	542.7	1325.7	1794.3	1766.3	1748.2
37.5°	234.3	236.3	238.3	242.3	254.3	430.6	1293.7	1852.4	1832.3	1808.3
40°	220.3	222.3	224.3	228.3	240.3	370.5	1253.6	1940.5	1936.5	1908.4
42.5°	204.3	208.3	210.3	212.3	228.3	338.4	1225.6	2082.7	2082.7	2048.6
45°	190.2	194.2	194.2	198.3	220.3	310.4	1287.6	2278.9	2294.9	2262.9
47.5°	178.2	180.2	180.2	182.2	208.3	286.4	1453.9	2579.3	2559.3	2537.2
50°	166.2	170.2	166.2	168.2	198.3	300.4	1728.2	2963.8	3015.9	2977.8
52.5°	158.2	160.2	152.2	152.2	184.2	318.4	1952.5	3454.4	3628.6	3582.6
55°	148.2	150.2	140.2	140.2	162.2	276.4	1966.5	4013.1	4395.6	4425.7
57.5°	138.2	138.2	130.2	128.2	140.2	224.3	1744.2	4445.7	5312.8	5380.9
60°	126.2	124.2	120.2	116.1	128.2	206.3	1329.7	4387.6	5767.4	6003.7
62.5°	108.1	112.1	110.1	102.1	116.1	192.2	867.1	3796.9	5254.7	5463.0
65°	*90.1*	*96.1*	*96.1*	*90.1*	*128.2*	*168.2*	*456.6*	*3039.9*	*4385.6*	*4635.9*
67.5°	80.1	84.1	82.1	78.1	114.1	106.1	220.3	2331.0	3754.8	3995.1
70°	70.1	74.1	68.1	64.1	92.1	76.1	130.2	1560.0	3100.0	3334.3
72.5°	58.1	62.1	56.1	50.1	68.1	58.1	86.1	1015.3	2581.3	2841.6
75°	48.1	50.1	46.1	40.1	50.1	46.1	60.1	662.8	2158.8	2351.0
77.5°	34.0	38.0	36.0	30.0	36.0	32.0	42.1	378.5	1505.9	1650.1
80°	26.0	26.0	26.0	24.0	22.0	22.0	28.0	170.2	730.9	813.0
82.5°	22.0	22.0	20.0	18.0	16.0	14.0	16.0	50.1	344.4	364.5
85°	20.0	16.0	14.0	12.0	10.0	6.0	6.0	14.0	70.1	58.1
87.5°	12.0	10.0	8.0	4.0	2.0	2.0	0.0	2.0	2.0	2.0
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: SP1-2407-184-3

Test Date: 10/09/2024

Luminaire Tested: GSS-SB1A-727-U-5WQ

Data in this report applies to families of products including GSS-SB1A-727-U-5WQ

Report Generated By FNC07603 / LDUCLS01DT446
Version: v7.04

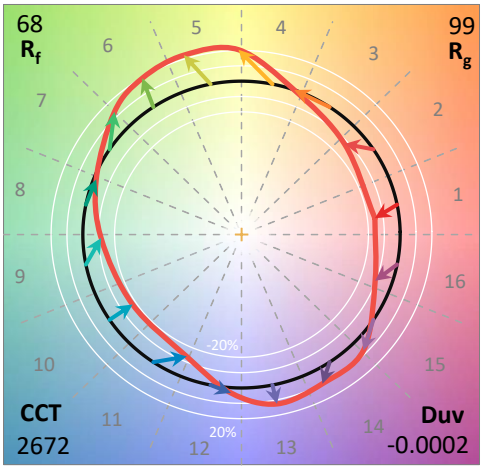
Test Information

Test Method:	LM-79-2019
Report Number:	SP1-2407-184-3
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-727-U-5WQ**
Description:	GALLEON II SITE SLIM 1SQ 350MA 5WQ HIGH DENSITY LIGHTSQUARE WITH 70 CRI 2700K CCT 26 LEDS

Spectral Parameters

CCT (K):	2672
CIE u':	0.2638
CIE v':	0.5276
Duv:	-0.0002
CIE x:	0.4619
CIE y:	0.4106
CIE z:	0.1275
Peak Wavelength (nm):	601
Dominant Wavelength (nm):	584
Purity:	61.88407
Rf:	67.9
Rg:	98.6

CRI (Ra):	71.1
R1:	68.3
R2:	79.8
R3:	91.2
R4:	69.4
R5:	66.5
R6:	72.6
R7:	77.0
R8:	44.1
R9:	-27.8
R10:	54.4
R11:	65.8
R12:	45.6
R13:	69.8
R14:	94.5
R15:	60.1



Test Conditions

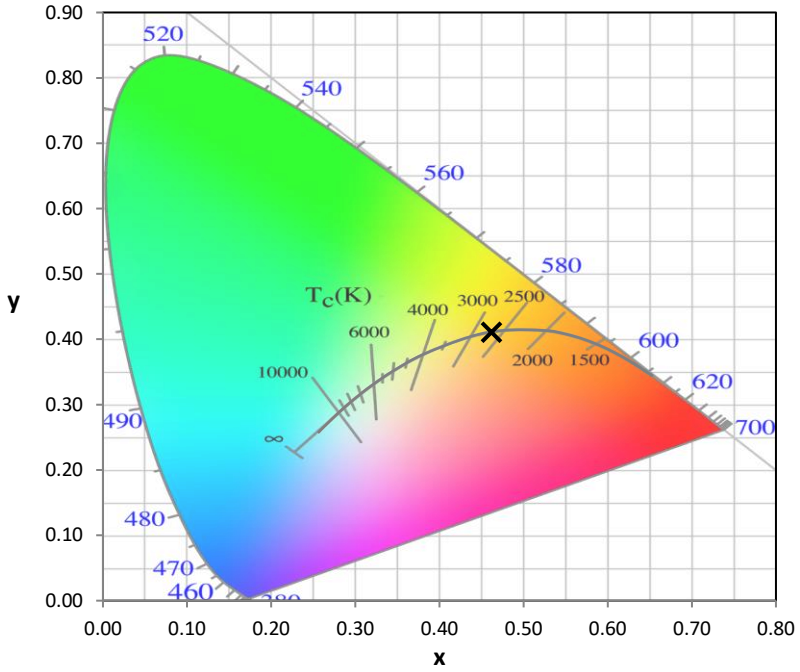
Stabilization Time:	21M
Operation Time:	1H 21M
Sphere Temperature (°C):	25.2

REPORT NUMBER: SP1-2407-184-3

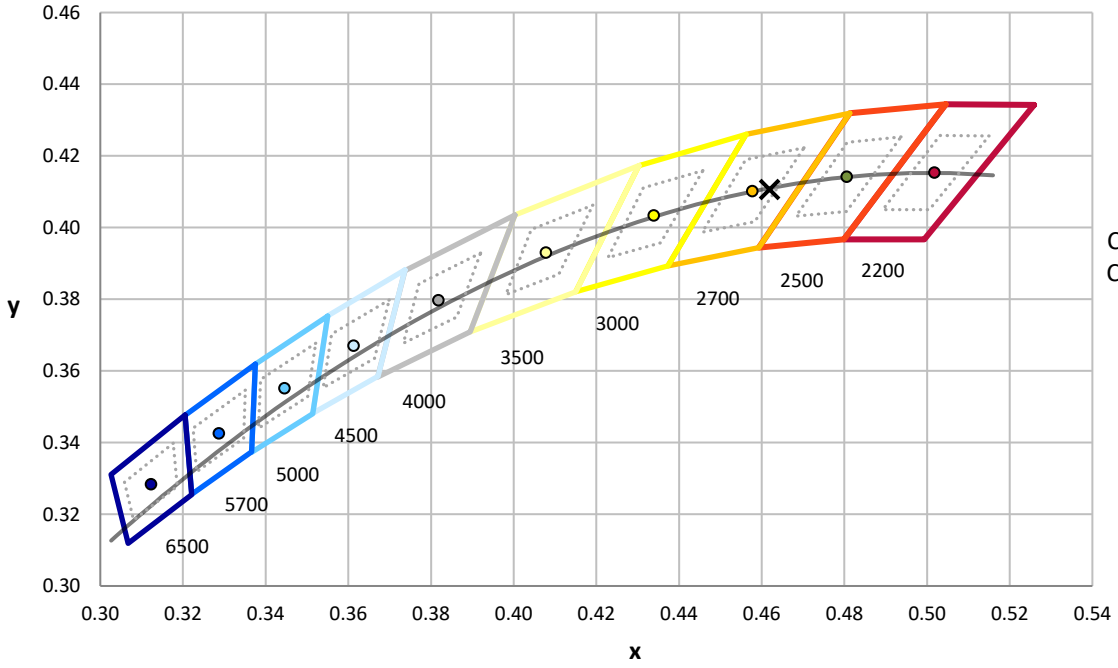
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

REPORT NUMBER: SP1-2407-184-3

CIE 1931 Chromaticity Diagram



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

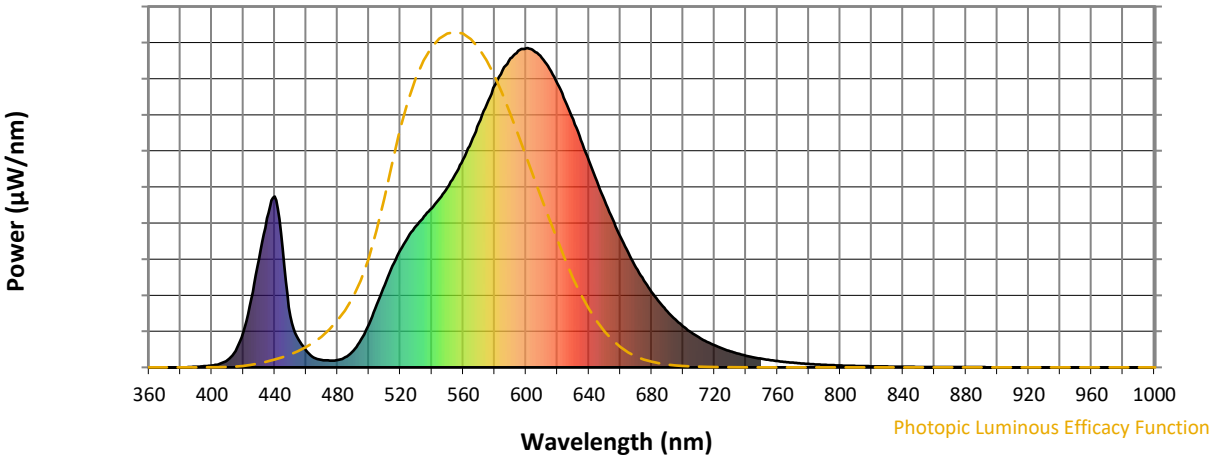


CCT = 2672K
CIE x = 0.4619
CIE y = 0.4106
Duv = -0.0002

Point lies inside the ANSI 2700K 4-step quadrangle

REPORT NUMBER: SP1-2407-184-3

Photopic Flux vs. Wavelength

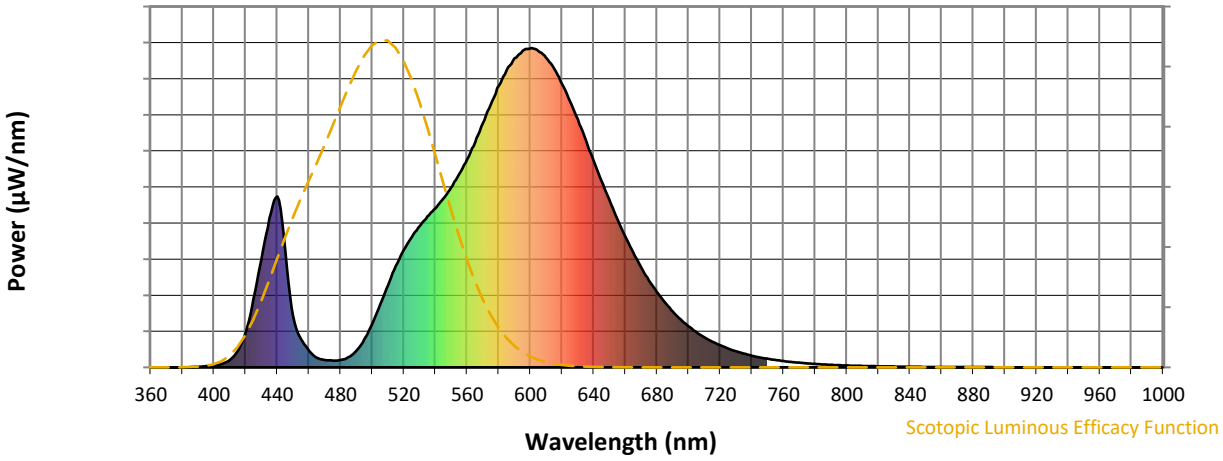


Photopic Lumens: NR

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	52	NR	620	888	NR	750	27	NR	880	1	NR
365	0	NR	495	87	NR	625	834	NR	755	23	NR	885	1	NR
370	0	NR	500	135	NR	630	776	NR	760	20	NR	890	1	NR
375	0	NR	505	196	NR	635	712	NR	765	17	NR	895	0	NR
380	0	NR	510	258	NR	640	648	NR	770	15	NR	900	0	NR
385	1	NR	515	317	NR	645	583	NR	775	12	NR	905	0	NR
390	2	NR	520	368	NR	650	523	NR	780	11	NR	910	0	NR
395	4	NR	525	408	NR	655	465	NR	785	9	NR	915	0	NR
400	6	NR	530	443	NR	660	410	NR	790	8	NR	920	0	NR
405	11	NR	535	473	NR	665	360	NR	795	7	NR	925	0	NR
410	23	NR	540	498	NR	670	313	NR	800	6	NR	930	0	NR
415	51	NR	545	530	NR	675	272	NR	805	5	NR	935	0	NR
420	111	NR	550	563	NR	680	236	NR	810	4	NR	940	0	NR
425	214	NR	555	605	NR	685	203	NR	815	4	NR	945	0	NR
430	339	NR	560	651	NR	690	175	NR	820	3	NR	950	0	NR
435	467	NR	565	705	NR	695	150	NR	825	3	NR	955	0	NR
440	535	NR	570	765	NR	700	128	NR	830	3	NR	960	0	NR
445	372	NR	575	824	NR	705	110	NR	835	2	NR	965	0	NR
450	160	NR	580	882	NR	710	94	NR	840	2	NR	970	0	NR
455	89	NR	585	930	NR	715	80	NR	845	2	NR	975	0	NR
460	53	NR	590	968	NR	720	69	NR	850	1	NR	980	0	NR
465	31	NR	595	991	NR	725	59	NR	855	1	NR	985	0	NR
470	23	NR	600	999	NR	730	50	NR	860	1	NR	990	0	NR
475	21	NR	605	992	NR	735	43	NR	865	1	NR	995	0	NR
480	23	NR	610	969	NR	740	36	NR	870	1	NR	1000	0	NR
485	32	NR	615	935	NR	745	31	NR	875	1	NR			

REPORT NUMBER: SP1-2407-184-3

Scotopic Flux vs. Wavelength

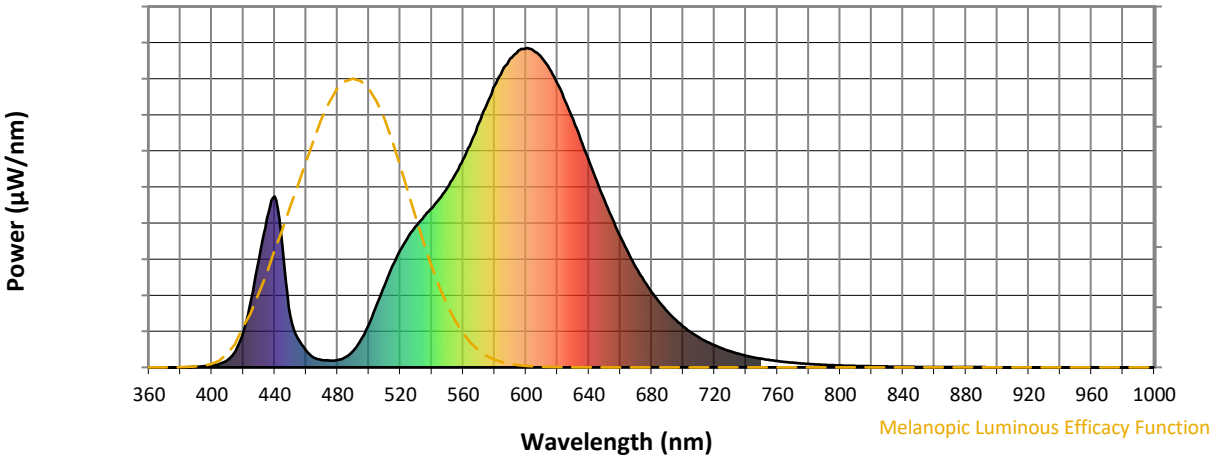


Scotopic Lumens: NR **S/P: 1.02**

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	52	NR	620	888	NR	750	27	NR	880	1	NR
365	0	NR	495	87	NR	625	834	NR	755	23	NR	885	1	NR
370	0	NR	500	135	NR	630	776	NR	760	20	NR	890	1	NR
375	0	NR	505	196	NR	635	712	NR	765	17	NR	895	0	NR
380	0	NR	510	258	NR	640	648	NR	770	15	NR	900	0	NR
385	1	NR	515	317	NR	645	583	NR	775	12	NR	905	0	NR
390	2	NR	520	368	NR	650	523	NR	780	11	NR	910	0	NR
395	4	NR	525	408	NR	655	465	NR	785	9	NR	915	0	NR
400	6	NR	530	443	NR	660	410	NR	790	8	NR	920	0	NR
405	11	NR	535	473	NR	665	360	NR	795	7	NR	925	0	NR
410	23	NR	540	498	NR	670	313	NR	800	6	NR	930	0	NR
415	51	NR	545	530	NR	675	272	NR	805	5	NR	935	0	NR
420	111	NR	550	563	NR	680	236	NR	810	4	NR	940	0	NR
425	214	NR	555	605	NR	685	203	NR	815	4	NR	945	0	NR
430	339	NR	560	651	NR	690	175	NR	820	3	NR	950	0	NR
435	467	NR	565	705	NR	695	150	NR	825	3	NR	955	0	NR
440	535	NR	570	765	NR	700	128	NR	830	3	NR	960	0	NR
445	372	NR	575	824	NR	705	110	NR	835	2	NR	965	0	NR
450	160	NR	580	882	NR	710	94	NR	840	2	NR	970	0	NR
455	89	NR	585	930	NR	715	80	NR	845	2	NR	975	0	NR
460	53	NR	590	968	NR	720	69	NR	850	1	NR	980	0	NR
465	31	NR	595	991	NR	725	59	NR	855	1	NR	985	0	NR
470	23	NR	600	999	NR	730	50	NR	860	1	NR	990	0	NR
475	21	NR	605	992	NR	735	43	NR	865	1	NR	995	0	NR
480	23	NR	610	969	NR	740	36	NR	870	1	NR	1000	0	NR
485	32	NR	615	935	NR	745	31	NR	875	1	NR			

REPORT NUMBER: SP1-2407-184-3

Melanopic Flux vs. Wavelength



Melanopic Lumens: NR **M/P: 1.71**

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	52	NR	620	888	NR	750	27	NR	880	1	NR
365	0	NR	495	87	NR	625	834	NR	755	23	NR	885	1	NR
370	0	NR	500	135	NR	630	776	NR	760	20	NR	890	1	NR
375	0	NR	505	196	NR	635	712	NR	765	17	NR	895	0	NR
380	0	NR	510	258	NR	640	648	NR	770	15	NR	900	0	NR
385	1	NR	515	317	NR	645	583	NR	775	12	NR	905	0	NR
390	2	NR	520	368	NR	650	523	NR	780	11	NR	910	0	NR
395	4	NR	525	408	NR	655	465	NR	785	9	NR	915	0	NR
400	6	NR	530	443	NR	660	410	NR	790	8	NR	920	0	NR
405	11	NR	535	473	NR	665	360	NR	795	7	NR	925	0	NR
410	23	NR	540	498	NR	670	313	NR	800	6	NR	930	0	NR
415	51	NR	545	530	NR	675	272	NR	805	5	NR	935	0	NR
420	111	NR	550	563	NR	680	236	NR	810	4	NR	940	0	NR
425	214	NR	555	605	NR	685	203	NR	815	4	NR	945	0	NR
430	339	NR	560	651	NR	690	175	NR	820	3	NR	950	0	NR
435	467	NR	565	705	NR	695	150	NR	825	3	NR	955	0	NR
440	535	NR	570	765	NR	700	128	NR	830	3	NR	960	0	NR
445	372	NR	575	824	NR	705	110	NR	835	2	NR	965	0	NR
450	160	NR	580	882	NR	710	94	NR	840	2	NR	970	0	NR
455	89	NR	585	930	NR	715	80	NR	845	2	NR	975	0	NR
460	53	NR	590	968	NR	720	69	NR	850	1	NR	980	0	NR
465	31	NR	595	991	NR	725	59	NR	855	1	NR	985	0	NR
470	23	NR	600	999	NR	730	50	NR	860	1	NR	990	0	NR
475	21	NR	605	992	NR	735	43	NR	865	1	NR	995	0	NR
480	23	NR	610	969	NR	740	36	NR	870	1	NR	1000	0	NR
485	32	NR	615	935	NR	745	31	NR	875	1	NR			

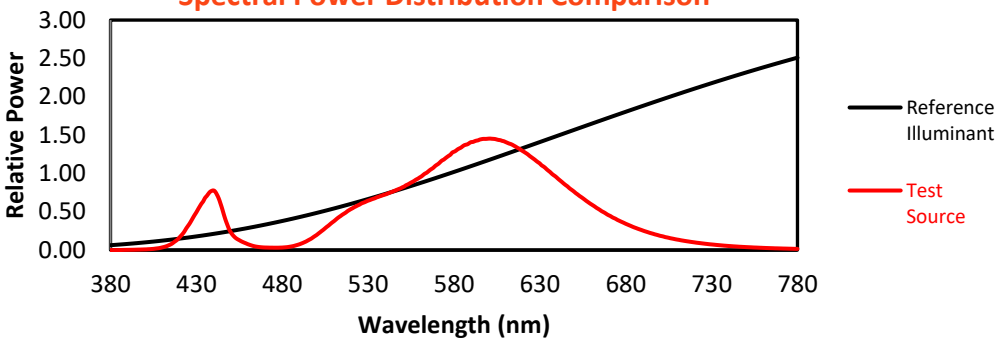
REPORT NUMBER: SP1-2407-184-3

TM-30-18

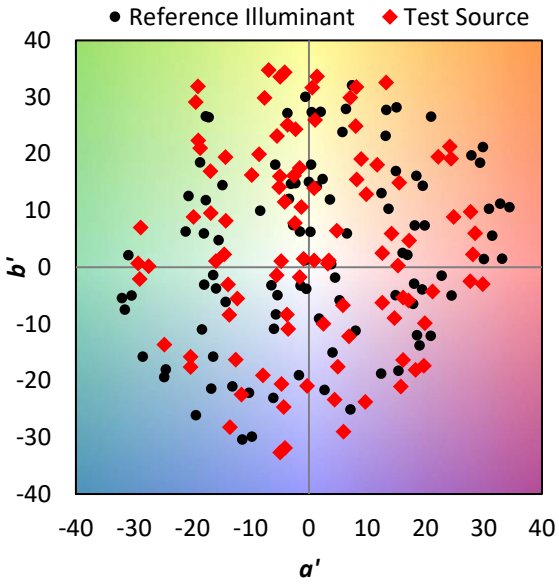
Summary

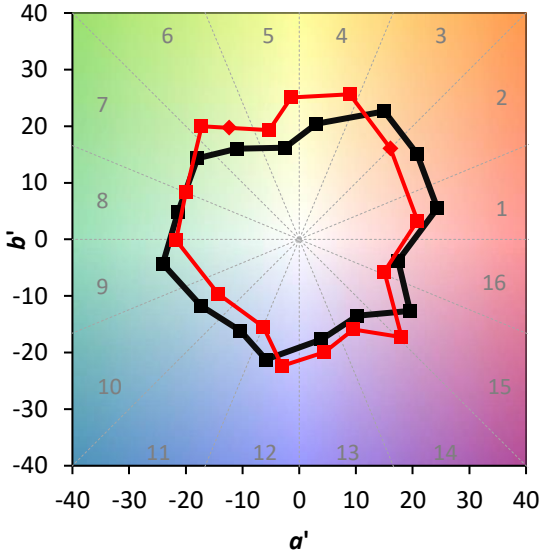
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R_g = 98.6
CIE R_a = 71.1
R_9 = -27.8

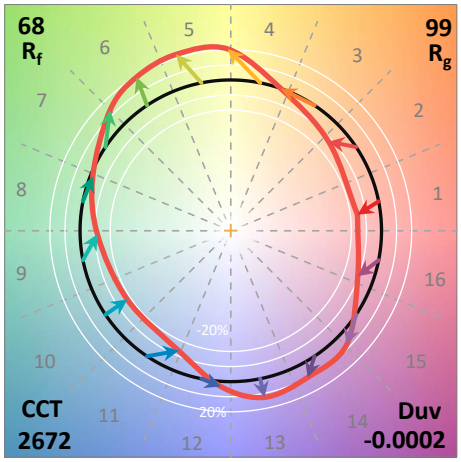
Spectral Power Distribution Comparison

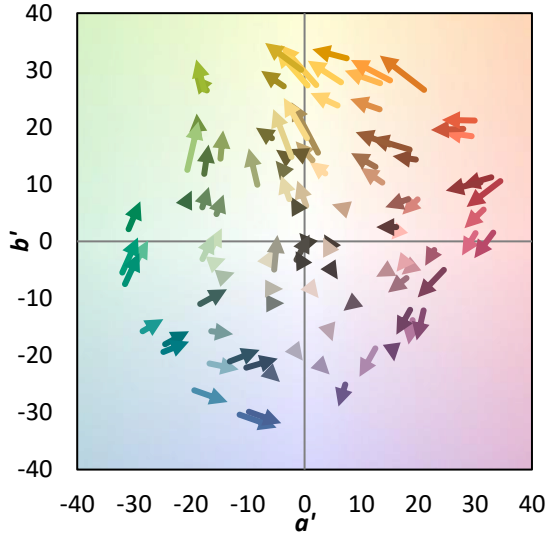


Color Vector Graphics







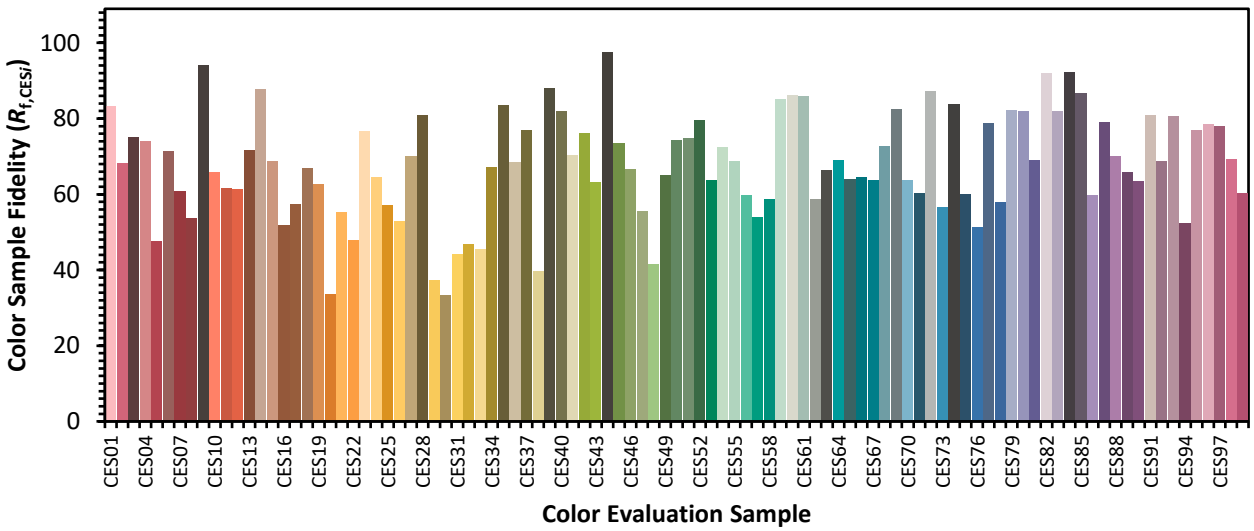


REPORT NUMBER: SP1-2407-184-3

TM-30-18

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

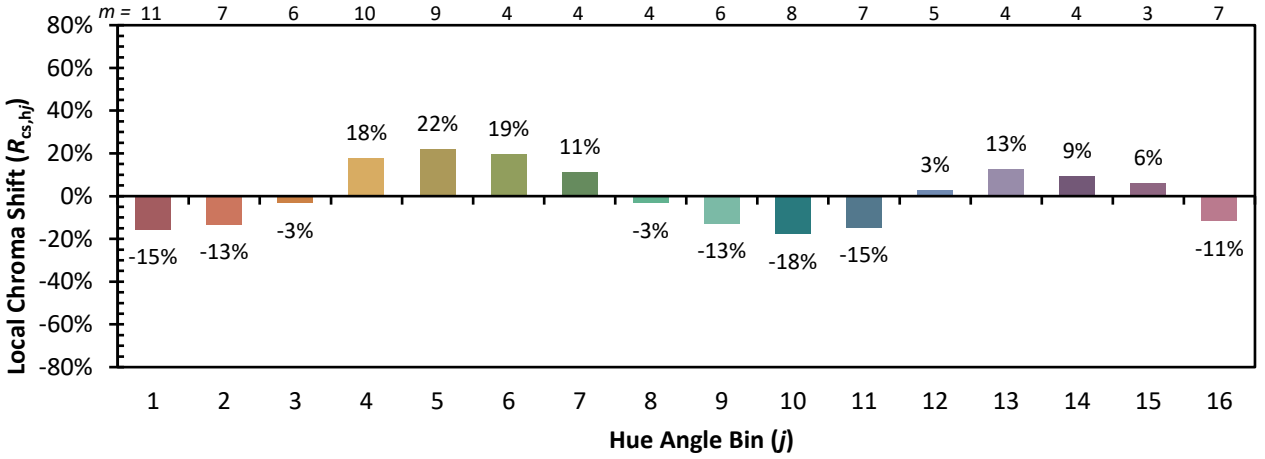
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CES02 = 63	CES27 = 70	CES52 = 80	CES77 = 79
CES03 = 31	CES28 = 81	CES53 = 64	CES78 = 58
CES04 = 71	CES29 = 37	CES54 = 73	CES79 = 82
CES05 = 50	CES30 = 33	CES55 = 69	CES80 = 82
CES06 = 52	CES31 = 44	CES56 = 60	CES81 = 69
CES07 = 42	CES32 = 47	CES57 = 54	CES82 = 92
CES08 = 41	CES33 = 45	CES58 = 59	CES83 = 82
CES09 = 29	CES34 = 67	CES59 = 85	CES84 = 92
CES10 = 77	CES35 = 84	CES60 = 86	CES85 = 87
CES11 = 60	CES36 = 68	CES61 = 86	CES86 = 60
CES12 = 66	CES37 = 77	CES62 = 59	CES87 = 79
CES13 = 44	CES38 = 40	CES63 = 66	CES88 = 70
CES14 = 74	CES39 = 88	CES64 = 69	CES89 = 66
CES15 = 72	CES40 = 82	CES65 = 64	CES90 = 64
CES16 = 48	CES41 = 70	CES66 = 65	CES91 = 81
CES17 = 51	CES42 = 76	CES67 = 64	CES92 = 69
CES18 = 57	CES43 = 63	CES68 = 73	CES93 = 81
CES19 = 73	CES44 = 97	CES69 = 83	CES94 = 53
CES20 = 67	CES45 = 74	CES70 = 64	CES95 = 77
CES21 = 88	CES46 = 67	CES71 = 60	CES96 = 79
CES22 = 80	CES47 = 55	CES72 = 87	CES97 = 78
CES23 = 92	CES48 = 42	CES73 = 57	CES98 = 69
CES24 = 92	CES49 = 65	CES74 = 84	CES99 = 60
CES25 = 73	CES50 = 74	CES75 = 60	

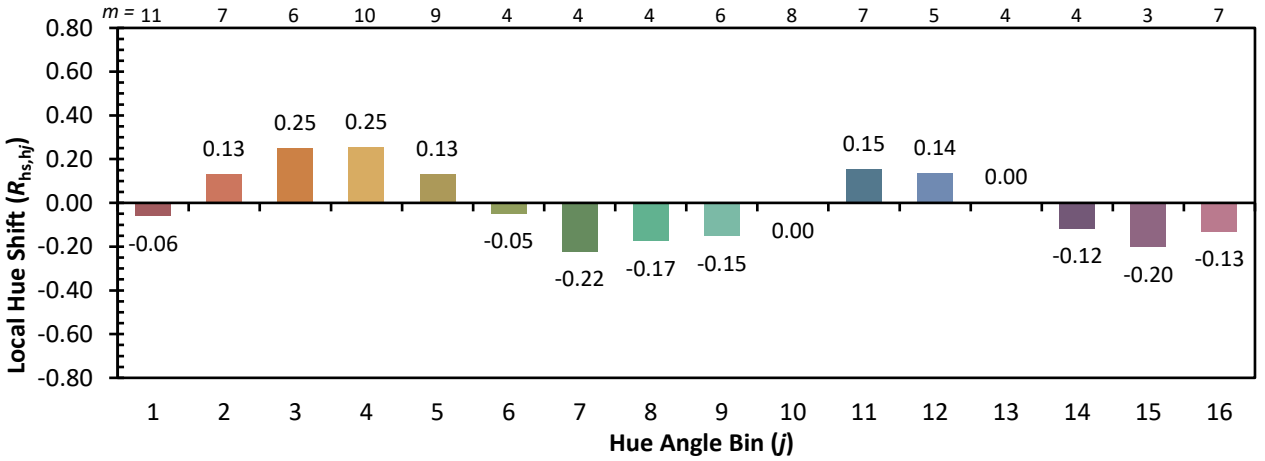


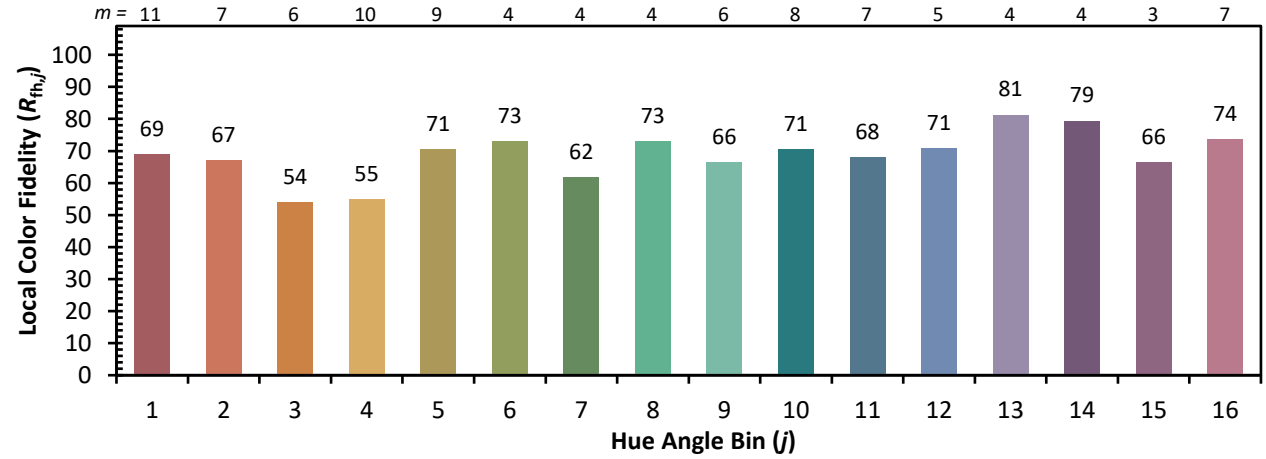
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Color Rendition by Hue-Angle Bin



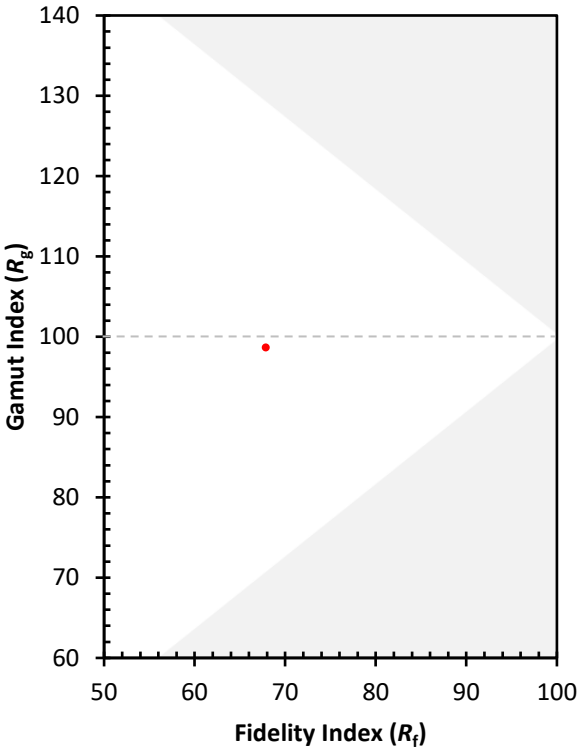


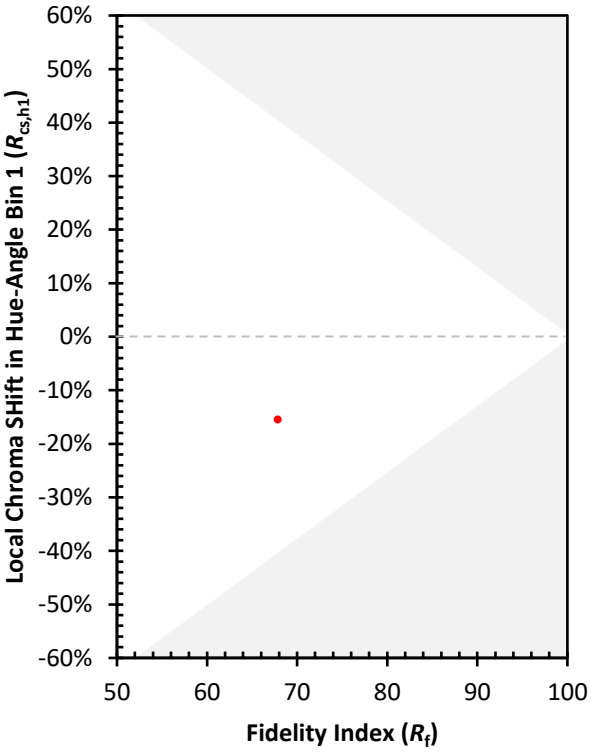


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Measure Comparisons





(END OF REPORT)