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: P1501784

Luminaire Tested: GSS-SB1D-730-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:	P1501784
Test Lab:	INNOVATION CENTER(G1)
Issue Date:	7/20/2026
Manufacturer:	COOPER LIGHTING SOLUTIONS
Product Line:	McGRAW-EDISON
Catalog Number:	GSS-SB1D-730-U-T2LG-HSS
Description:	GALLEON II SLIM SITE HIGH DENSITY LED ARRAYS 1SQUARE 76W 70CRI 3000K FIXTURE w/ TYPE II LOW GLARE DISTRIBUTION FIXTURE W/ HOUSE SIDE SHIELD
Light Source:	(26) 3000K CCT, 70 CRI LEDS
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	7541.9 lumens
Efficiency:	N/A
Efficacy:	99.2 lumens/watt
Luminous Opening:	Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification:	Type II - Short
BUG Rating:	B1 - U0 - G1

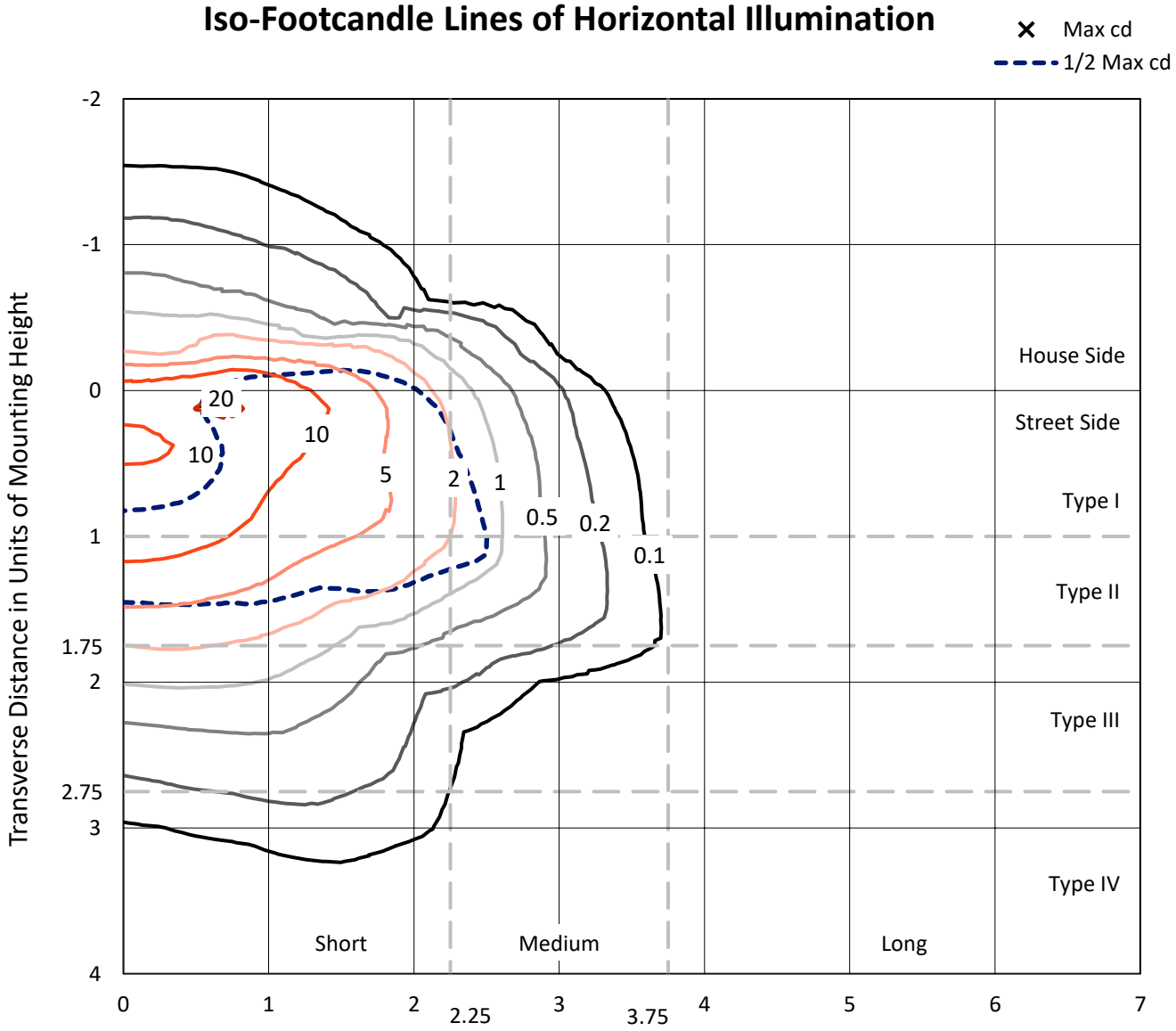
Input Watts (W):	76
Input Voltage (V):	120
Input Current (Ain):	NR
Voltage Rise (V):	NR
Power Factor:	0.98
Total Harmonic Distortion (THDi):	6.7%
Frequency (hertz):	60
Stabilization Time:	NR
Operation Time:	NR
Ambient Temperature (°C):	NR
Test Distance:	28.75 FT

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Iso-Footcandle Lines of Horizontal Illumination



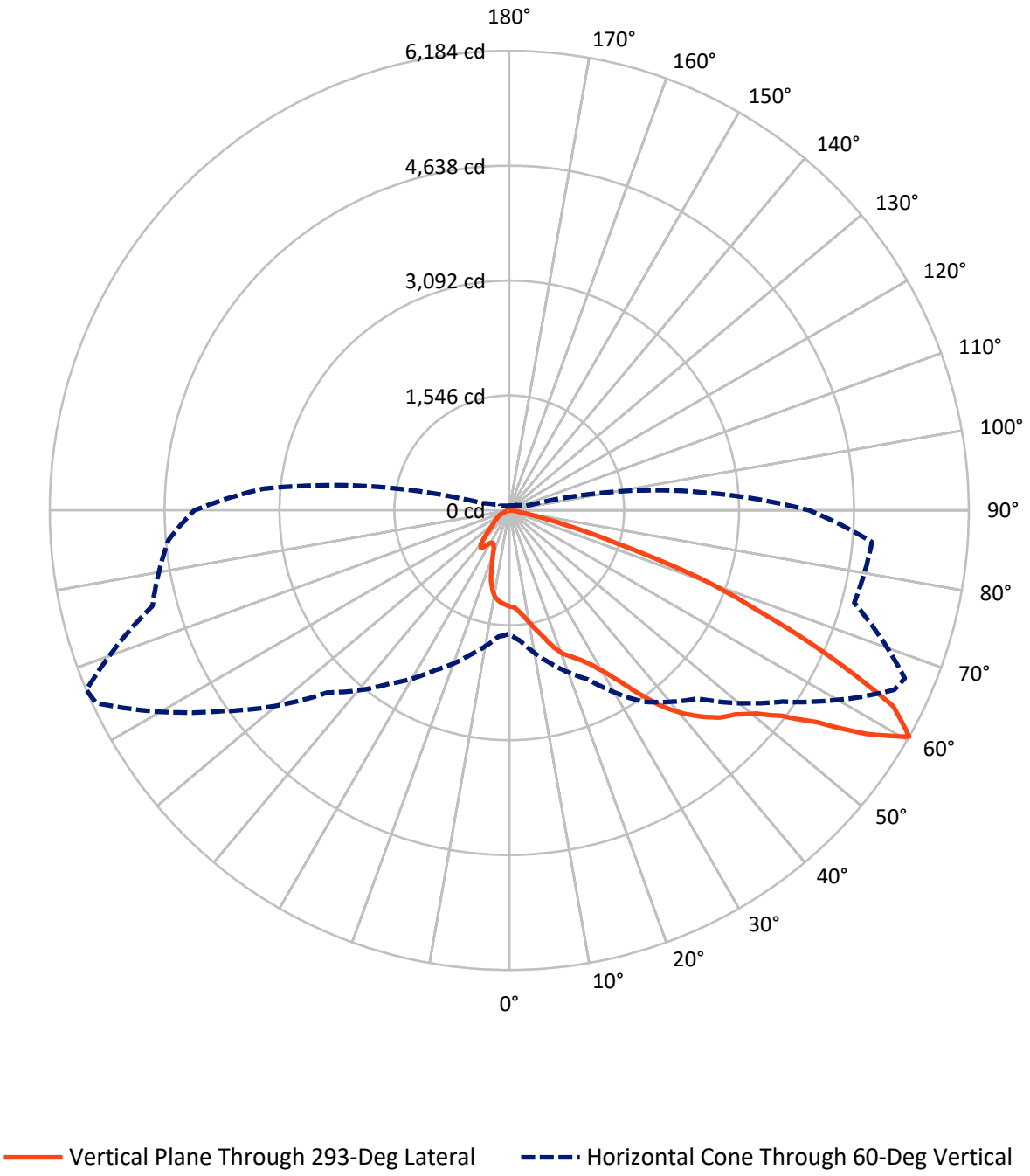
Based on 10 foot mounting height. Maximum calculated value = 21.5 fc
Type II - Short - N/A

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Luminous Intensity Polar Plot



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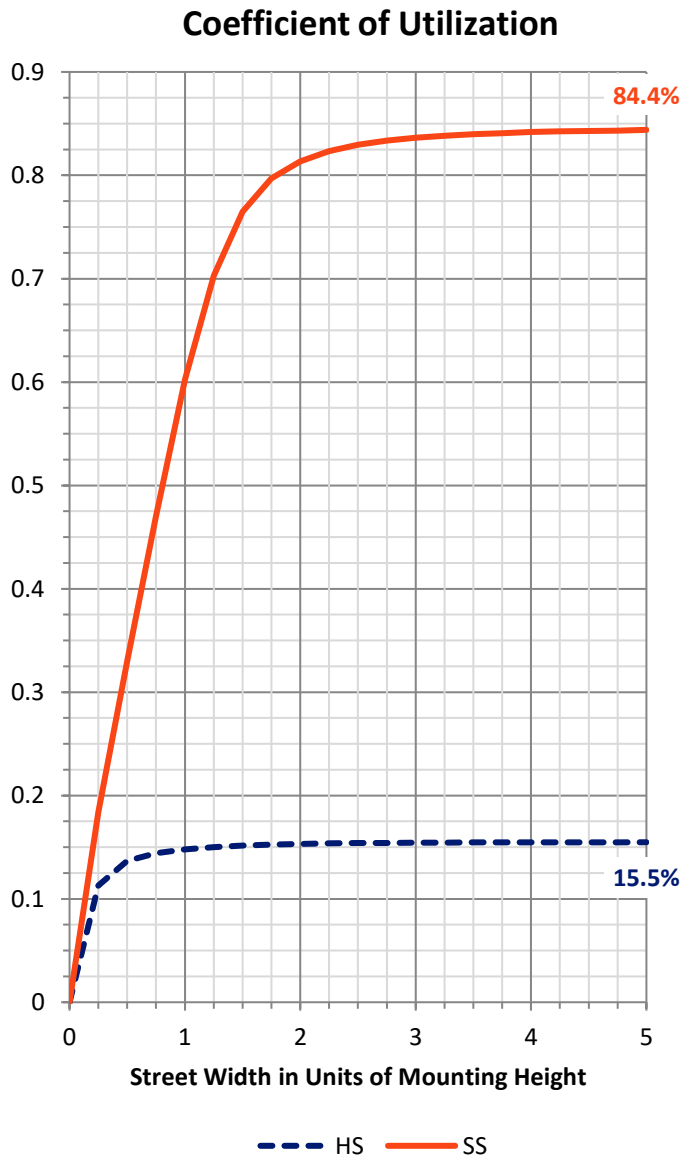
REPORT NUMBER: P1501784
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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1176.7	0.0	1176.7
	% Fixture	15.6	0.0	15.6
Street Side	Lumens	6365.1	0.0	6365.1
	% Fixture	84.4	0.0	84.4
Total	Lumens	7541.9	0.0	7541.9
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	117.0	1.6
10°-20°	294.8	3.9
20°-30°	550.3	7.3
30°-40°	1091.3	14.5
40°-50°	1739.9	23.1
50°-60°	2078.7	27.6
60°-70°	1362.7	18.1
70°-80°	285.5	3.8
80°-90°	21.6	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°	7541.9	100.0
0°-180°	7541.9	100.0



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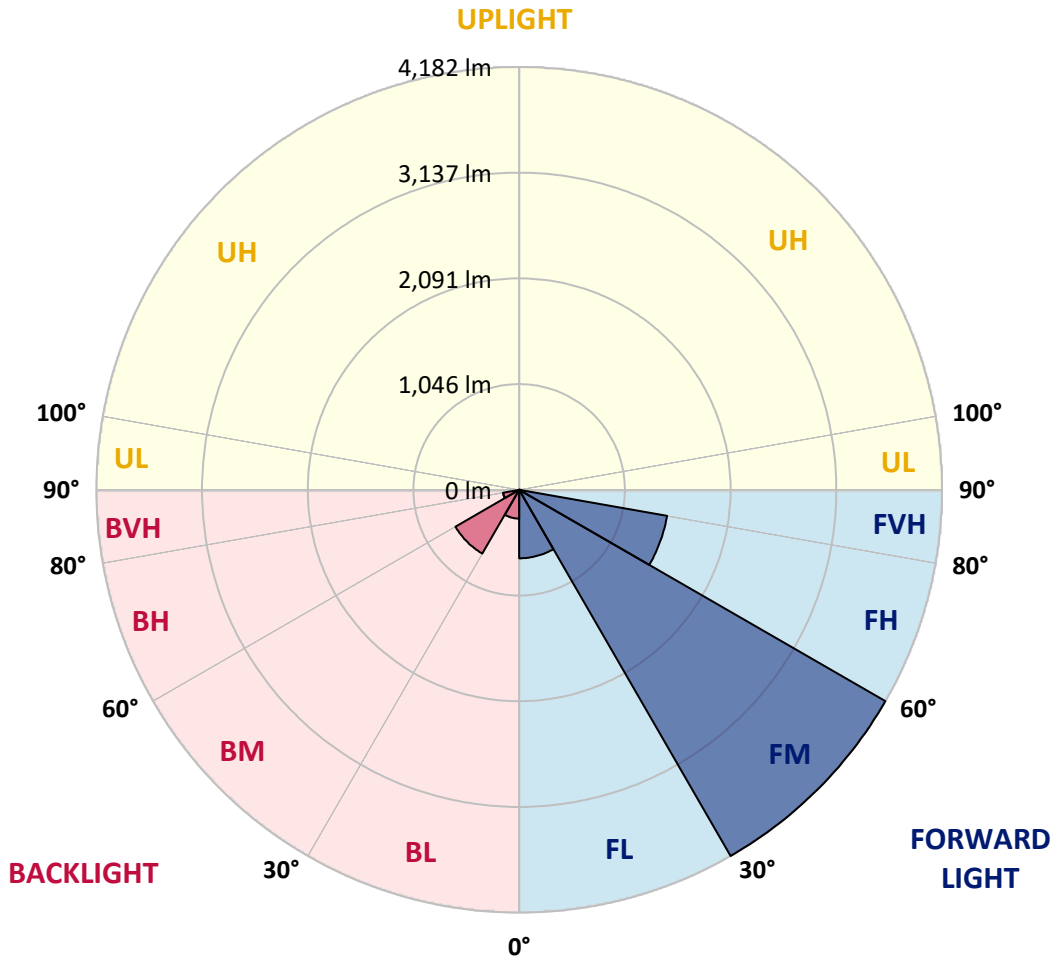
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	677.4	9.0			
FM	(30°-60°)	4182.2	55.5			
FH	(60°-80°)	1485.7	19.7			G1/1800
FVH	(80°-90°)	19.8	0.3			G1/100
BL	(0°-30°)	284.7	3.8	B1/500		
BM	(30°-60°)	727.7	9.6	B1/1000		
BH	(60°-80°)	162.5	2.2	B1/500		G1/500
BVH	(80°-90°)	1.8	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°	1292.6	1292.6	1292.6	1292.6	1292.6	1292.6	1292.6	1292.6	1292.6	1292.6	1292.6
2.5°	1358.1	1353.8	1347.5	1349.6	1347.5	1339.1	1326.4	1315.8	1324.3	1311.6	1303.2
5°	1398.2	1398.2	1394.0	1394.0	1396.1	1391.9	1383.4	1368.6	1370.7	1360.2	1332.7
7.5°	1398.2	1391.9	1402.4	1413.0	1432.0	1442.6	1446.8	1438.3	1442.6	1421.4	1385.5
10°	1315.8	1311.6	1339.1	1379.2	1434.1	1482.7	1514.4	1516.5	1522.8	1501.7	1459.5
12.5°	1140.5	1132.1	1187.0	1263.0	1375.0	1486.9	1575.6	1609.4	1624.2	1615.7	1556.6
15°	977.9	988.5	1026.5	1108.8	1258.8	1429.9	1609.4	1721.3	1742.5	1753.0	1683.3
17.5°	961.0	963.1	975.8	1015.9	1130.0	1337.0	1613.6	1837.5	1867.1	1913.5	1818.5
20°	1007.5	1003.2	1015.9	1028.6	1083.5	1254.6	1573.5	1949.5	2006.5	2105.7	2002.3
22.5°	1094.1	1094.1	1100.4	1108.8	1136.3	1248.2	1556.6	2052.9	2150.1	2352.9	2232.5
25°	1239.8	1222.9	1227.1	1216.6	1239.8	1324.3	1594.6	2135.3	2268.4	2627.4	2507.0
27.5°	1465.8	1472.1	1434.1	1377.1	1389.8	1461.6	1687.6	2228.3	2390.9	2912.6	2785.8
30°	1778.4	1767.8	1744.6	1632.6	1582.0	1645.3	1858.6	2380.3	2555.6	3273.7	3157.6
32.5°	2023.4	2052.9	2012.8	1934.7	1856.5	1875.5	2099.4	2625.3	2756.3	3605.3	3542.0
35°	2319.1	2319.1	2327.5	2217.7	2164.9	2160.7	2401.4	2891.4	3022.4	3905.2	3949.6
37.5°	2718.3	2690.8	2644.3	2521.8	2481.7	2534.5	2684.5	3166.0	3307.5	4148.1	4266.4
40°	3054.1	3073.1	3066.7	2889.3	2811.2	2868.2	3001.3	3400.5	3510.3	4304.4	4522.0
42.5°	3383.6	3394.1	3366.7	3282.2	3168.1	3172.4	3282.2	3577.9	3689.8	4454.4	4762.8
45°	3630.7	3628.6	3609.6	3588.4	3520.8	3451.1	3470.2	3774.3	3871.5	4503.0	4893.7
47.5°	3708.8	3725.7	3742.6	3801.8	3848.2	3738.4	3641.2	3879.9	3968.6	4494.5	4942.3
50°	3637.0	3672.9	3755.3	3844.0	4002.4	3994.0	3784.9	3994.0	4080.5	4541.0	4999.3
52.5°	3476.5	3512.4	3622.2	3782.7	4021.4	4139.7	4051.0	4186.2	4287.5	4659.3	5117.6
55°	3102.7	3117.4	3343.4	3554.6	3926.4	4076.3	4336.1	4511.4	4595.9	4802.9	5273.9
57.5°	2526.1	2562.0	2783.7	3128.0	3660.2	3909.5	4498.7	5066.9	5064.8	4940.2	5307.7
60°	*1662.2*	*1767.8*	*2129.0*	*2509.2*	*3144.9*	*3582.1*	*4488.2*	*5717.4*	*5782.9*	*4805.0*	*4900.0*
62.5°	1269.4	1313.7	1518.6	1835.4	2327.5	2969.6	4418.5	5911.7	5962.4	4441.7	4289.6
65°	954.7	1009.6	1206.0	1489.0	1643.2	2012.8	3962.3	5138.7	5208.4	3964.4	3335.0
67.5°	585.0	629.4	891.3	1222.9	1244.0	1250.4	2673.9	3892.6	3917.9	3197.7	2245.1
70°	390.7	435.1	616.7	939.9	990.6	720.2	1467.9	2946.4	2944.2	2188.1	1364.4
72.5°	226.0	247.1	390.7	692.8	779.4	458.3	732.9	1873.4	1791.0	1028.6	637.8
75°	128.8	143.6	215.4	445.7	547.0	291.5	289.4	1003.2	887.1	530.1	348.5
77.5°	78.1	84.5	118.3	291.5	329.5	196.4	160.5	466.8	449.9	310.5	183.8
80°	38.0	44.4	71.8	171.1	211.2	105.6	97.2	183.8	196.4	171.1	97.2
82.5°	12.7	16.9	40.1	65.5	137.3	42.2	40.1	101.4	107.7	101.4	46.5
85°	6.3	8.4	19.0	21.1	52.8	21.1	14.8	44.4	54.9	33.8	19.0
87.5°	0.0	2.1	2.1	2.1	2.1	2.1	2.1	4.2	4.2	4.2	4.2
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°	1292.6	1292.6	1292.6	1292.6	1292.6	1292.6	1292.6	1292.6	1292.6	1292.6	1292.6
2.5°	1296.8	1292.6	1284.1	1269.4	1267.3	1256.7	1239.8	1229.2	1220.8	1227.1	1229.2
5°	1320.1	1309.5	1284.1	1244.0	1201.8	1159.5	1119.4	1072.9	1041.3	1037.0	1028.6
7.5°	1362.3	1341.2	1286.3	1208.1	1100.4	999.0	880.7	766.7	709.7	701.2	682.2
10°	1429.9	1394.0	1303.2	1144.8	937.8	726.6	547.0	424.5	354.8	342.2	346.4
12.5°	1510.1	1459.5	1305.3	1037.0	713.9	449.9	310.5	264.0	249.2	242.9	242.9
15°	1613.6	1539.7	1303.2	897.6	481.6	289.4	249.2	230.2	223.9	219.7	219.7
17.5°	1744.6	1647.4	1288.4	688.5	325.3	251.3	228.1	213.3	204.9	202.8	202.8
20°	1898.8	1767.8	1254.6	513.2	272.5	234.4	215.4	196.4	190.1	185.9	185.9
22.5°	2095.2	1913.5	1189.1	399.2	257.7	223.9	202.8	181.6	175.3	171.1	171.1
25°	2323.3	2099.4	1102.5	359.1	255.6	215.4	190.1	169.0	162.6	160.5	158.4
27.5°	2593.6	2297.9	1022.2	361.2	259.8	209.1	177.4	158.4	152.1	145.7	147.8
30°	2912.6	2502.8	956.8	386.5	264.0	202.8	169.0	152.1	145.7	137.3	137.3
32.5°	3227.3	2743.6	950.4	433.0	278.8	198.5	160.5	143.6	137.3	130.9	130.9
35°	3550.4	2963.3	986.3	494.2	308.4	192.2	150.0	135.2	128.8	124.6	122.5
37.5°	3858.8	3138.6	1020.1	532.2	291.5	164.7	137.3	124.6	118.3	109.8	109.8
40°	4063.7	3233.6	1026.5	502.7	240.8	147.8	124.6	111.9	103.5	99.3	97.2
42.5°	4213.6	3294.9	954.7	407.6	209.1	135.2	114.1	101.4	95.0	90.8	90.8
45°	4274.9	3273.7	832.2	310.5	192.2	124.6	103.5	92.9	88.7	84.5	84.5
47.5°	4266.4	3176.6	707.5	249.2	175.3	114.1	97.2	88.7	84.5	80.3	78.1
50°	4251.6	3085.8	580.8	221.8	156.3	107.7	90.8	84.5	78.1	73.9	71.8
52.5°	4348.8	3056.2	481.6	202.8	145.7	103.5	88.7	80.3	73.9	69.7	69.7
55°	4445.9	3068.9	378.1	190.1	135.2	101.4	86.6	78.1	71.8	65.5	65.5
57.5°	4439.6	3013.9	287.2	177.4	126.7	99.3	84.5	76.0	65.5	61.3	61.3
60°	*4036.2*	*2688.7*	*223.9*	*162.6*	*116.2*	*92.9*	*78.1*	*71.8*	*61.3*	*54.9*	*54.9*
62.5°	3413.1	2114.2	183.8	143.6	103.5	84.5	71.8	65.5	54.9	44.4	44.4
65°	2521.8	1524.9	147.8	124.6	95.0	73.9	65.5	57.0	44.4	35.9	33.8
67.5°	1706.6	937.8	118.3	103.5	84.5	63.4	54.9	48.6	40.1	29.6	27.5
70°	1011.7	498.5	86.6	71.8	63.4	46.5	46.5	42.2	33.8	25.3	23.2
72.5°	481.6	173.2	63.4	52.8	48.6	33.8	35.9	35.9	27.5	19.0	16.9
75°	245.0	84.5	42.2	38.0	31.7	25.3	29.6	27.5	19.0	12.7	12.7
77.5°	139.4	59.1	29.6	25.3	21.1	16.9	19.0	16.9	10.6	6.3	6.3
80°	78.1	42.2	19.0	16.9	12.7	10.6	10.6	8.4	6.3	2.1	2.1
82.5°	29.6	25.3	12.7	8.4	6.3	6.3	4.2	4.2	2.1	0.0	0.0
85°	12.7	6.3	6.3	4.2	4.2	2.1	2.1	2.1	0.0	0.0	0.0
87.5°	2.1	2.1	2.1	2.1	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°	1292.6	1292.6	1292.6	1292.6	1292.6	1292.6	1292.6	1292.6	1292.6	1292.6	1292.6
2.5°	1212.3	1216.6	1220.8	1237.7	1241.9	1254.6	1265.1	1277.8	1279.9	1296.8	1296.8
5°	1045.5	1043.4	1079.3	1132.1	1165.9	1212.3	1248.2	1286.3	1307.4	1334.8	1347.5
7.5°	692.8	745.6	825.8	918.8	1039.1	1151.1	1235.6	1309.5	1360.2	1391.9	1404.5
10°	344.3	373.8	458.3	610.4	815.3	1043.4	1222.9	1360.2	1442.6	1478.5	1501.7
12.5°	242.9	249.2	264.0	346.4	542.8	866.0	1182.8	1415.1	1529.2	1596.7	1626.3
15°	217.5	221.8	228.1	251.3	335.8	646.3	1111.0	1476.3	1664.3	1742.5	1780.5
17.5°	200.6	202.8	209.1	228.1	264.0	439.3	994.8	1541.8	1827.0	1922.0	1993.8
20°	185.9	185.9	192.2	215.4	245.0	337.9	827.9	1615.7	2033.9	2171.2	2243.0
22.5°	169.0	173.2	177.4	202.8	238.7	308.4	671.6	1672.8	2264.2	2431.0	2515.5
25°	156.3	160.5	164.7	190.1	232.3	308.4	580.8	1708.7	2521.8	2720.4	2836.5
27.5°	145.7	150.0	156.3	181.6	226.0	321.0	544.9	1719.2	2802.7	3060.4	3216.7
30°	137.3	141.5	147.8	175.3	230.2	335.8	557.6	1704.5	3087.9	3411.0	3596.9
32.5°	128.8	133.1	139.4	169.0	230.2	354.8	599.8	1674.9	3364.6	3761.6	3989.7
35°	122.5	124.6	126.7	152.1	209.1	352.7	652.6	1645.3	3643.3	4108.0	4374.1
37.5°	109.8	111.9	116.2	130.9	166.9	321.0	663.2	1609.4	3863.0	4399.5	4693.1
40°	97.2	101.4	105.6	120.4	139.4	259.8	616.7	1533.4	3979.2	4623.4	4980.3
42.5°	88.7	90.8	95.0	109.8	128.8	207.0	517.5	1400.3	4082.7	4775.4	5189.4
45°	82.4	84.5	88.7	99.3	120.4	179.5	407.6	1237.7	4091.1	4824.0	5290.8
47.5°	76.0	78.1	80.3	90.8	116.2	160.5	312.6	1089.8	4089.0	4887.4	5377.4
50°	71.8	73.9	78.1	86.6	109.8	143.6	257.7	969.4	4177.7	5024.7	5552.7
52.5°	69.7	69.7	76.0	84.5	103.5	130.9	215.4	861.7	4224.2	5159.8	5679.4
55°	65.5	67.6	71.8	80.3	97.2	124.6	183.8	726.6	4245.3	5227.4	5702.6
57.5°	61.3	63.4	69.7	76.0	92.9	118.3	158.4	542.8	3943.3	4874.7	5314.0
60°	*54.9*	*59.1*	*67.6*	*73.9*	*86.6*	*107.7*	*139.4*	*367.5*	*3326.5*	*4236.8*	*4604.3*
62.5°	44.4	52.8	61.3	65.5	78.1	90.8	118.3	245.0	2657.0	3506.1	3924.3
65°	33.8	44.4	50.7	57.0	65.5	76.0	99.3	166.9	1772.0	2359.2	2830.2
67.5°	29.6	38.0	42.2	46.5	54.9	65.5	80.3	116.2	1075.1	1417.2	1881.9
70°	23.2	31.7	35.9	33.8	42.2	50.7	57.0	78.1	549.1	768.8	1070.8
72.5°	16.9	25.3	27.5	27.5	25.3	35.9	42.2	54.9	238.7	373.8	485.8
75°	12.7	16.9	19.0	16.9	14.8	23.2	29.6	35.9	156.3	223.9	283.0
77.5°	6.3	6.3	10.6	10.6	6.3	12.7	14.8	21.1	88.7	130.9	162.6
80°	2.1	0.0	0.0	2.1	0.0	4.2	6.3	10.6	46.5	69.7	101.4
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.1	23.2	21.1	52.8
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.2	12.7
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: P1501784
CATALOG NUMBER: GSS-SB1D-730-U-T2LG-HSS

CANDELA DISTRIBUTION (continued):

	285°	293°	295°	305°	315°	325°	335°	345°	355°	360°
0°	1292.6	*1292.6*	1292.6	1292.6	1292.6	1292.6	1292.6	1292.6	1292.6	1292.6
2.5°	1307.4	*1307.4*	1315.8	1328.5	1334.8	1339.1	1341.2	1345.4	1362.3	1358.1
5°	1362.3	*1366.5*	1372.9	1385.5	1400.3	1396.1	1396.1	1396.1	1406.6	1398.2
7.5°	1434.1	*1446.8*	1448.9	1463.7	1453.1	1432.0	1419.3	1400.3	1398.2	1398.2
10°	1550.3	*1546.0*	1546.0	1527.0	1489.0	1427.8	1372.9	1334.8	1313.7	1315.8
12.5°	1674.9	*1658.0*	1660.1	1590.4	1482.7	1347.5	1235.6	1153.2	1146.9	1140.5
15°	1829.1	*1784.7*	1776.3	1615.7	1387.6	1180.7	1070.8	1005.4	984.2	977.9
17.5°	2048.7	*1936.8*	1896.7	1571.4	1263.0	1077.2	994.8	965.2	963.1	961.0
20°	2281.1	*2059.3*	1983.2	1505.9	1220.8	1079.3	1018.0	1009.6	1005.4	1007.5
22.5°	2551.4	*2137.4*	2040.3	1516.5	1258.8	1149.0	1100.4	1094.1	1089.8	1094.1
25°	2830.2	*2228.3*	2107.9	1601.0	1372.9	1277.8	1220.8	1208.1	1220.8	1239.8
27.5°	3111.1	*2350.8*	2240.9	1767.8	1556.6	1453.1	1398.2	1444.7	1463.7	1465.8
30°	3360.3	*2521.8*	2420.5	2002.3	1765.7	1662.2	1672.8	1731.9	1755.1	1778.4
32.5°	3588.4	*2749.9*	2671.8	2268.4	2036.1	1974.8	1968.5	2012.8	2038.2	2023.4
35°	3818.7	*3047.7*	2971.7	2557.7	2367.6	2317.0	2264.2	2350.8	2342.3	2319.1
37.5°	4036.2	*3347.7*	3278.0	2868.2	2671.8	2583.1	2574.6	2652.8	2722.5	2718.3
40°	4192.5	*3590.5*	3506.1	3176.6	2990.7	2914.7	2959.0	3094.2	3077.3	3054.1
42.5°	4336.1	*3797.5*	3721.5	3446.9	3252.6	3286.4	3326.5	3417.4	3406.8	3383.6
45°	4403.7	*3974.9*	3909.5	3651.8	3556.8	3664.5	3662.4	3696.2	3639.1	3630.7
47.5°	4498.7	*4101.7*	4034.1	3835.5	3920.0	3964.4	3839.8	3803.9	3751.1	3708.8
50°	4674.0	*4298.1*	4230.5	4114.3	4186.2	4048.9	3896.8	3818.7	3710.9	3637.0
52.5°	4878.9	*4595.9*	4536.8	4490.3	4289.6	4006.6	3812.3	3670.8	3539.9	3476.5
55°	5136.6	*5035.2*	4993.0	4737.4	4196.7	3833.4	3605.3	3341.3	3161.8	3102.7
57.5°	5221.1	*5679.4*	5664.6	4777.5	3936.9	3518.7	3106.9	2749.9	2564.1	2526.1
60°	*4971.9*	*6184.2*	*6131.4*	*4710.0*	*3465.9*	*2855.5*	*2374.0*	*2008.6*	*1706.6*	*1662.2*
62.5°	4652.9	*5797.7*	5778.7	4369.9	2640.1	2046.6	1774.2	1432.0	1303.2	1269.4
65°	3985.5	*4743.7*	4752.2	3506.1	1670.7	1470.0	1457.3	1138.4	980.0	954.7
67.5°	3068.9	*3639.1*	3580.0	2205.0	973.7	1176.4	1163.8	832.2	601.9	585.0
70°	1793.2	*2709.8*	2614.8	1146.9	644.2	982.1	895.5	585.0	409.7	390.7
72.5°	792.0	*1491.1*	1601.0	504.8	454.1	781.5	646.3	359.1	230.2	226.0
75°	439.3	*739.2*	773.0	219.7	318.9	555.5	390.7	200.6	130.9	128.8
77.5°	264.0	*327.4*	318.9	141.5	238.7	354.8	236.6	114.1	82.4	78.1
80°	147.8	*150.0*	126.7	103.5	141.5	198.5	133.1	71.8	38.0	38.0
82.5°	90.8	*82.4*	65.5	31.7	38.0	120.4	48.6	40.1	12.7	12.7
85°	38.0	*25.3*	16.9	6.3	14.8	31.7	16.9	19.0	6.3	6.3
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: SP1-2407-184-4

Test Date: 10/10/2024

Luminaire Tested: GSS-SB1A-730-U-5WQ

Data in this report applies to families of products including GSS-SB1A-730-U-5WQ

Report Generated By FNC07603 / LDUCLS01DT446
Version: v7.04

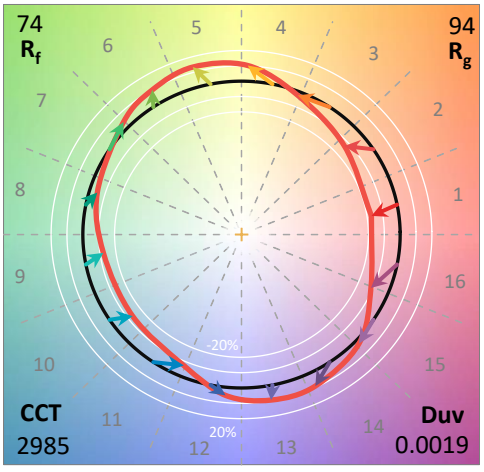
Test Information

Test Method:	LM-79-2019
Report Number:	SP1-2407-184-4
Test Lab:	COOPER LIGHTING SOLUTIONS
Photometer:	SP1 - 76IN SPHERE
Measurement Geometry:	4π
Issue Date:	10/15/2024
Manufacturer:	COOPER LIGHTING SOLUTIONS
Product Line:	McGraw-Edison
Catalog Number:	**GSS-SB1A-730-U-5WQ**
Description:	GALLEON II SITE SLIM 1SQ 350MA 5WQ HIGH DENSITY LIGHTSQUARE WITH 70 CRI 3000K CCT 26 LEDS

Spectral Parameters

CCT (K):	2985
CIE u':	0.2504
CIE v':	0.5243
Duv:	0.0019
CIE x:	0.4408
CIE y:	0.4101
CIE z:	0.1491
Peak Wavelength (nm):	595
Dominant Wavelength (nm):	582
Purity:	55.41818
Rf:	73.8
Rg:	94.4

CRI (Ra):	70.8
R1:	66.3
R2:	80.6
R3:	94.5
R4:	68.2
R5:	66.5
R6:	74.7
R7:	76.2
R8:	39.6
R9:	-43.2
R10:	57.6
R11:	64.8
R12:	53.5
R13:	68.7
R14:	97.0
R15:	56.4



Test Conditions

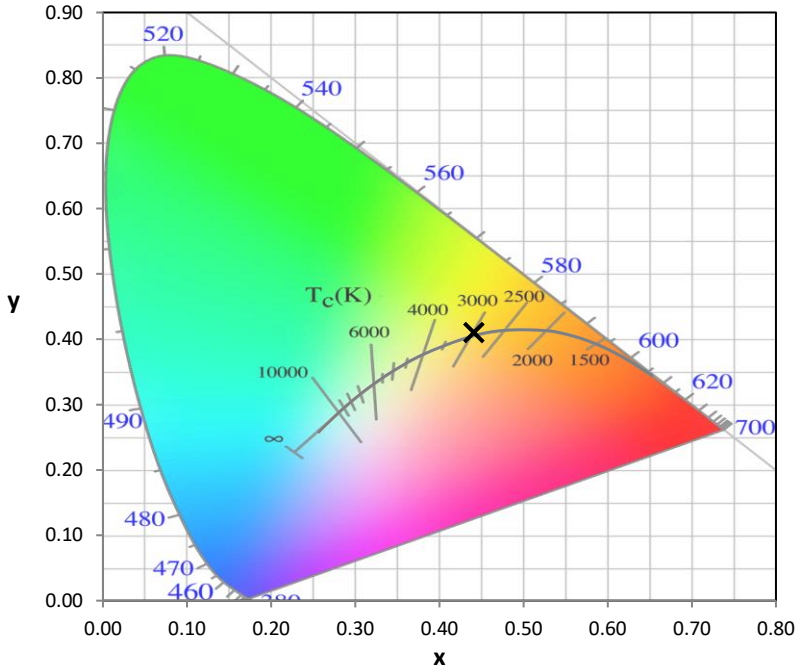
Stabilization Time:	36M
Operation Time:	1H 36M
Sphere Temperature (°C):	25.2

REPORT NUMBER: SP1-2407-184-4

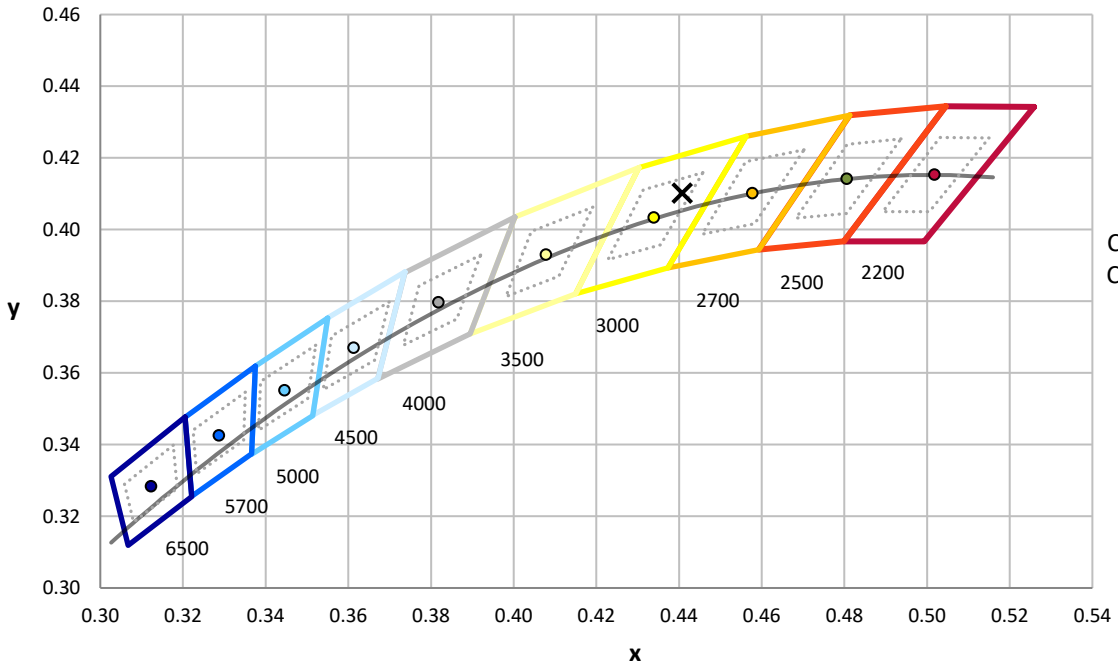
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

REPORT NUMBER: SP1-2407-184-4

CIE 1931 Chromaticity Diagram



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

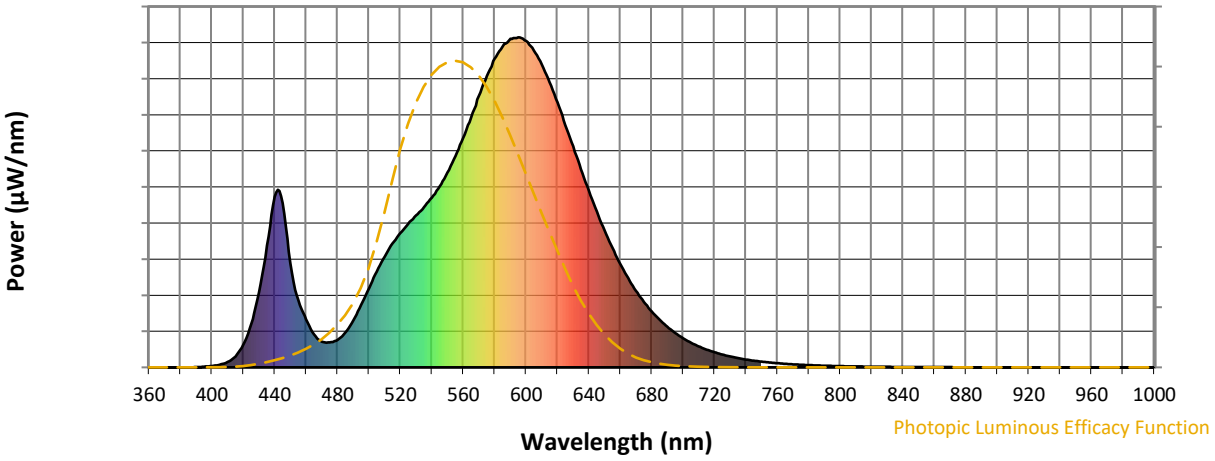


CCT = 2985K
CIE x = 0.4408
CIE y = 0.4101
Duv = 0.0019

Point lies inside the ANSI 3000K 4-step quadrangle

REPORT NUMBER: SP1-2407-184-4

Photopic Flux vs. Wavelength

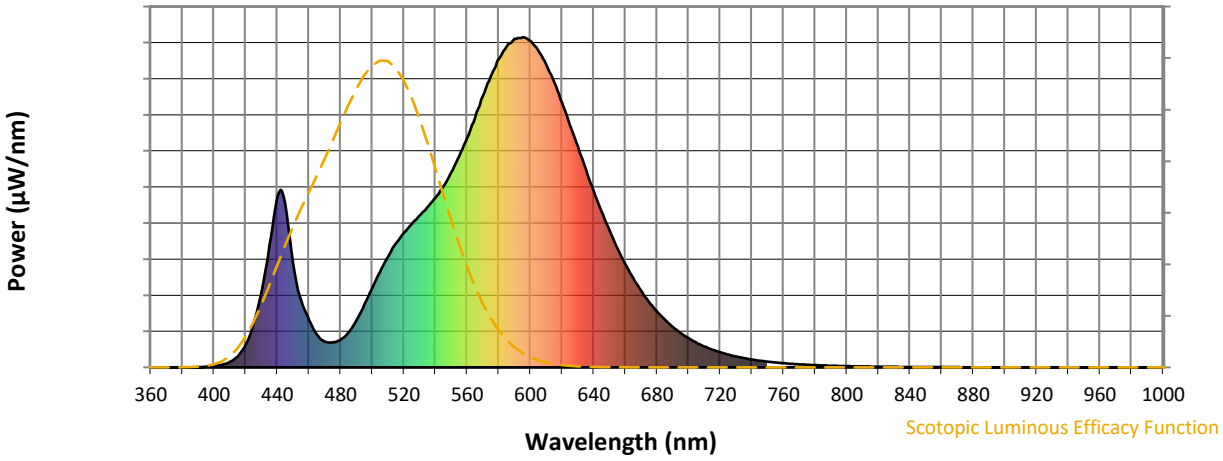


Photopic Lumens: NR

λ (nm)	Power W^/nm	Lumens (ϕ/nm)	λ (nm)	Power W^/nm	Lumens (ϕ/nm)	λ (nm)	Power W^/nm	Lumens (ϕ/nm)	λ (nm)	Power W^/nm	Lumens (ϕ/nm)	λ (nm)	Power W^/nm	Lumens (ϕ/nm)
360	0	NR	490	142	NR	620	803	NR	750	17	NR	880	0	NR
365	0	NR	495	189	NR	625	734	NR	755	15	NR	885	0	NR
370	0	NR	500	240	NR	630	670	NR	760	13	NR	890	0	NR
375	0	NR	505	290	NR	635	600	NR	765	11	NR	895	0	NR
380	0	NR	510	335	NR	640	535	NR	770	9	NR	900	0	NR
385	0	NR	515	375	NR	645	473	NR	775	8	NR	905	0	NR
390	1	NR	520	408	NR	650	415	NR	780	7	NR	910	0	NR
395	2	NR	525	434	NR	655	362	NR	785	6	NR	915	0	NR
400	4	NR	530	461	NR	660	313	NR	790	5	NR	920	0	NR
405	8	NR	535	486	NR	665	271	NR	795	4	NR	925	0	NR
410	16	NR	540	514	NR	670	231	NR	800	4	NR	930	0	NR
415	33	NR	545	549	NR	675	198	NR	805	3	NR	935	0	NR
420	69	NR	550	591	NR	680	169	NR	810	3	NR	940	0	NR
425	131	NR	555	640	NR	685	144	NR	815	2	NR	945	0	NR
430	227	NR	560	695	NR	690	123	NR	820	2	NR	950	0	NR
435	369	NR	565	757	NR	695	104	NR	825	2	NR	955	0	NR
440	517	NR	570	822	NR	700	88	NR	830	2	NR	960	0	NR
445	498	NR	575	882	NR	705	75	NR	835	1	NR	965	0	NR
450	315	NR	580	935	NR	710	63	NR	840	1	NR	970	0	NR
455	204	NR	585	972	NR	715	54	NR	845	1	NR	975	0	NR
460	145	NR	590	996	NR	720	46	NR	850	1	NR	980	0	NR
465	100	NR	595	1000	NR	725	39	NR	855	1	NR	985	0	NR
470	78	NR	600	989	NR	730	33	NR	860	1	NR	990	0	NR
475	76	NR	605	960	NR	735	28	NR	865	1	NR	995	0	NR
480	83	NR	610	918	NR	740	24	NR	870	1	NR	1000	0	NR
485	105	NR	615	864	NR	745	20	NR	875	1	NR			

REPORT NUMBER: SP1-2407-184-4

Scotopic Flux vs. Wavelength

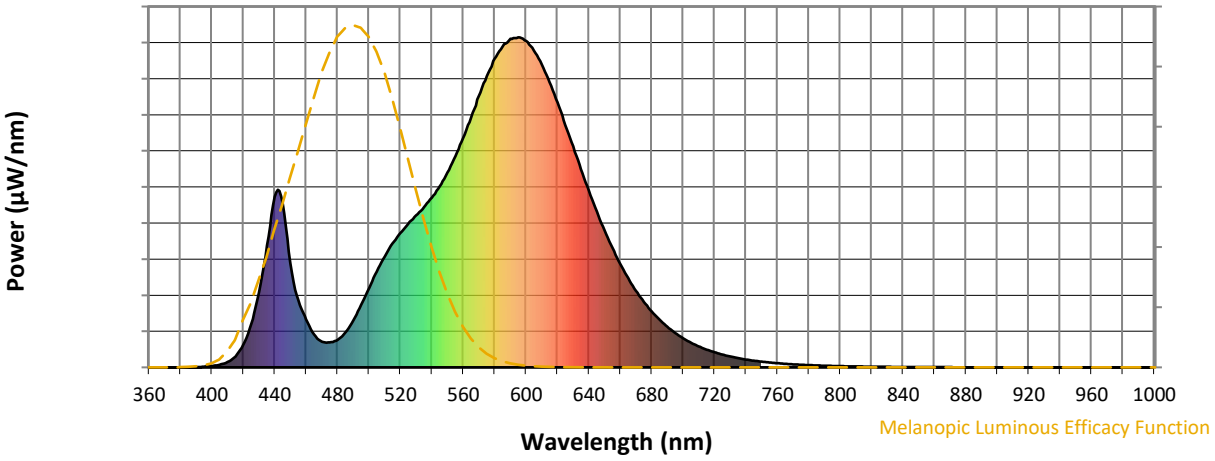


Scotopic Lumens: NR **S/P: 1.19**

λ (nm)	Power W^/nm	Lumens (ϕ/nm)	λ (nm)	Power W^/nm	Lumens (ϕ/nm)	λ (nm)	Power W^/nm	Lumens (ϕ/nm)	λ (nm)	Power W^/nm	Lumens (ϕ/nm)	λ (nm)	Power W^/nm	Lumens (ϕ/nm)
360	0	NR	490	142	NR	620	803	NR	750	17	NR	880	0	NR
365	0	NR	495	189	NR	625	734	NR	755	15	NR	885	0	NR
370	0	NR	500	240	NR	630	670	NR	760	13	NR	890	0	NR
375	0	NR	505	290	NR	635	600	NR	765	11	NR	895	0	NR
380	0	NR	510	335	NR	640	535	NR	770	9	NR	900	0	NR
385	0	NR	515	375	NR	645	473	NR	775	8	NR	905	0	NR
390	1	NR	520	408	NR	650	415	NR	780	7	NR	910	0	NR
395	2	NR	525	434	NR	655	362	NR	785	6	NR	915	0	NR
400	4	NR	530	461	NR	660	313	NR	790	5	NR	920	0	NR
405	8	NR	535	486	NR	665	271	NR	795	4	NR	925	0	NR
410	16	NR	540	514	NR	670	231	NR	800	4	NR	930	0	NR
415	33	NR	545	549	NR	675	198	NR	805	3	NR	935	0	NR
420	69	NR	550	591	NR	680	169	NR	810	3	NR	940	0	NR
425	131	NR	555	640	NR	685	144	NR	815	2	NR	945	0	NR
430	227	NR	560	695	NR	690	123	NR	820	2	NR	950	0	NR
435	369	NR	565	757	NR	695	104	NR	825	2	NR	955	0	NR
440	517	NR	570	822	NR	700	88	NR	830	2	NR	960	0	NR
445	498	NR	575	882	NR	705	75	NR	835	1	NR	965	0	NR
450	315	NR	580	935	NR	710	63	NR	840	1	NR	970	0	NR
455	204	NR	585	972	NR	715	54	NR	845	1	NR	975	0	NR
460	145	NR	590	996	NR	720	46	NR	850	1	NR	980	0	NR
465	100	NR	595	1000	NR	725	39	NR	855	1	NR	985	0	NR
470	78	NR	600	989	NR	730	33	NR	860	1	NR	990	0	NR
475	76	NR	605	960	NR	735	28	NR	865	1	NR	995	0	NR
480	83	NR	610	918	NR	740	24	NR	870	1	NR	1000	0	NR
485	105	NR	615	864	NR	745	20	NR	875	1	NR			

REPORT NUMBER: SP1-2407-184-4

Melanopic Flux vs. Wavelength



Melanopic Lumens: NR **M/P: 2.13**

λ (nm)	Power W^/nm	Lumens (ϕ/nm)	λ (nm)	Power W^/nm	Lumens (ϕ/nm)	λ (nm)	Power W^/nm	Lumens (ϕ/nm)	λ (nm)	Power W^/nm	Lumens (ϕ/nm)	λ (nm)	Power W^/nm	Lumens (ϕ/nm)
360	0	NR	490	142	NR	620	803	NR	750	17	NR	880	0	NR
365	0	NR	495	189	NR	625	734	NR	755	15	NR	885	0	NR
370	0	NR	500	240	NR	630	670	NR	760	13	NR	890	0	NR
375	0	NR	505	290	NR	635	600	NR	765	11	NR	895	0	NR
380	0	NR	510	335	NR	640	535	NR	770	9	NR	900	0	NR
385	0	NR	515	375	NR	645	473	NR	775	8	NR	905	0	NR
390	1	NR	520	408	NR	650	415	NR	780	7	NR	910	0	NR
395	2	NR	525	434	NR	655	362	NR	785	6	NR	915	0	NR
400	4	NR	530	461	NR	660	313	NR	790	5	NR	920	0	NR
405	8	NR	535	486	NR	665	271	NR	795	4	NR	925	0	NR
410	16	NR	540	514	NR	670	231	NR	800	4	NR	930	0	NR
415	33	NR	545	549	NR	675	198	NR	805	3	NR	935	0	NR
420	69	NR	550	591	NR	680	169	NR	810	3	NR	940	0	NR
425	131	NR	555	640	NR	685	144	NR	815	2	NR	945	0	NR
430	227	NR	560	695	NR	690	123	NR	820	2	NR	950	0	NR
435	369	NR	565	757	NR	695	104	NR	825	2	NR	955	0	NR
440	517	NR	570	822	NR	700	88	NR	830	2	NR	960	0	NR
445	498	NR	575	882	NR	705	75	NR	835	1	NR	965	0	NR
450	315	NR	580	935	NR	710	63	NR	840	1	NR	970	0	NR
455	204	NR	585	972	NR	715	54	NR	845	1	NR	975	0	NR
460	145	NR	590	996	NR	720	46	NR	850	1	NR	980	0	NR
465	100	NR	595	1000	NR	725	39	NR	855	1	NR	985	0	NR
470	78	NR	600	989	NR	730	33	NR	860	1	NR	990	0	NR
475	76	NR	605	960	NR	735	28	NR	865	1	NR	995	0	NR
480	83	NR	610	918	NR	740	24	NR	870	1	NR	1000	0	NR
485	105	NR	615	864	NR	745	20	NR	875	1	NR			

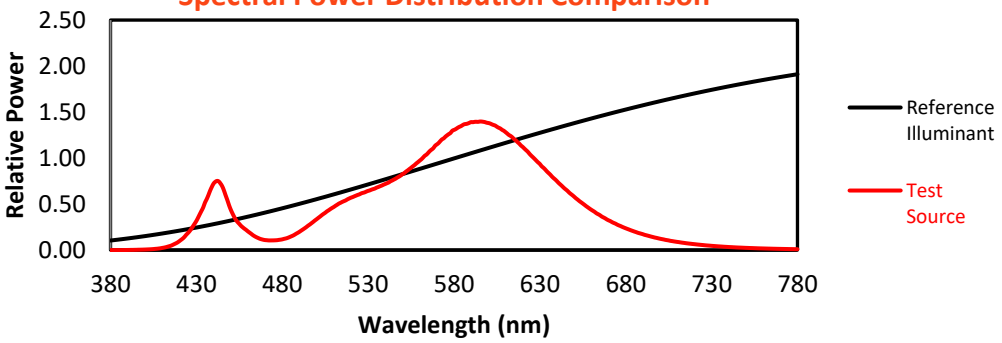
REPORT NUMBER: SP1-2407-184-4

TM-30-18

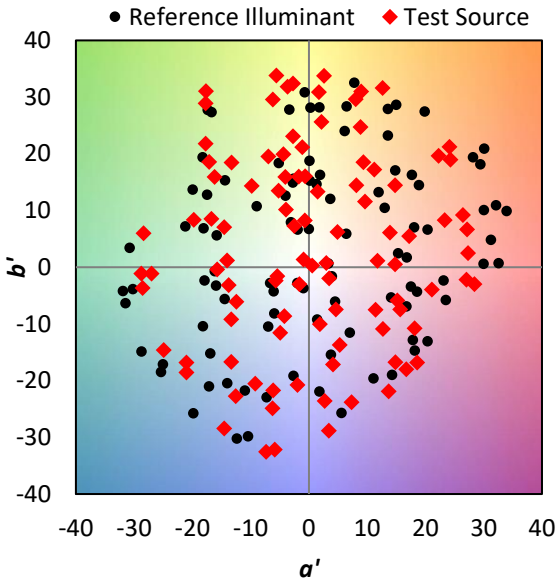
Summary

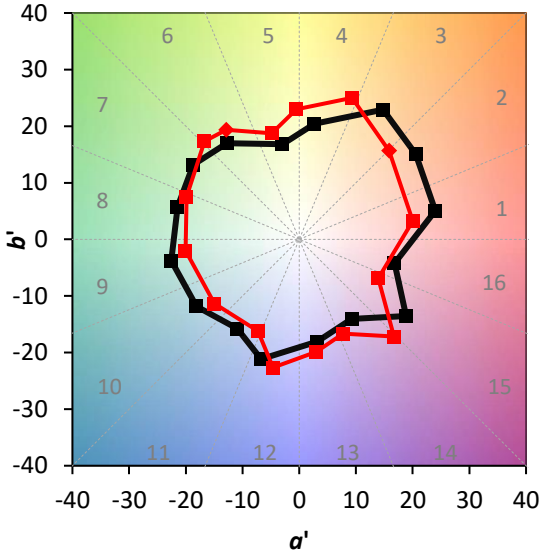
R_f = 73.8
R_g = 94.4
CIE R_a = 70.8
R_9 = -43.2

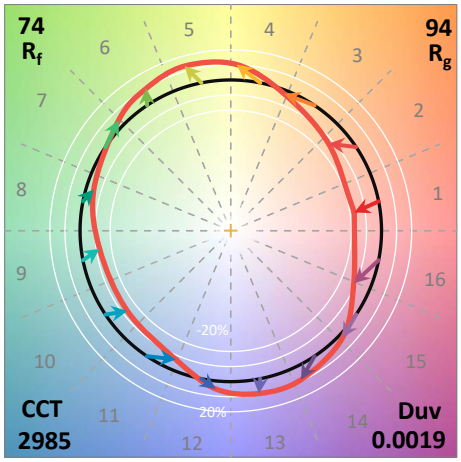
Spectral Power Distribution Comparison

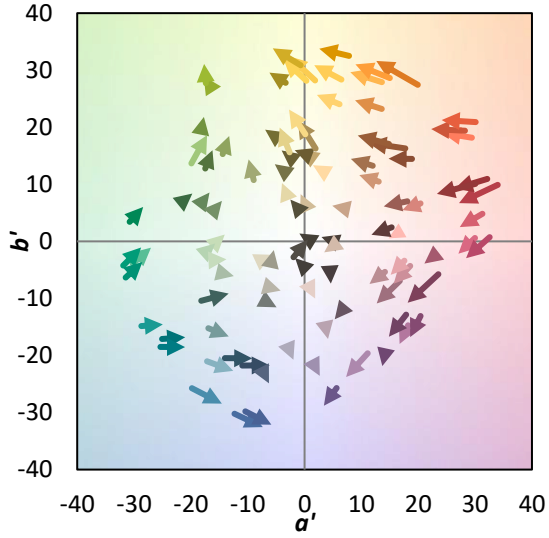


Color Vector Graphics







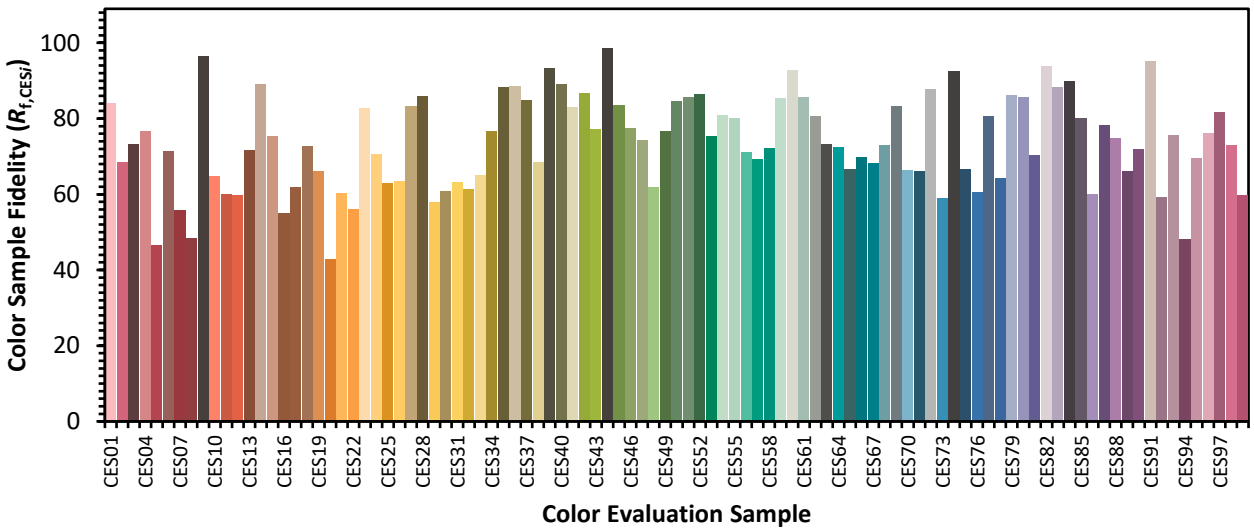


REPORT NUMBER: SP1-2407-184-4

TM-30-18

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

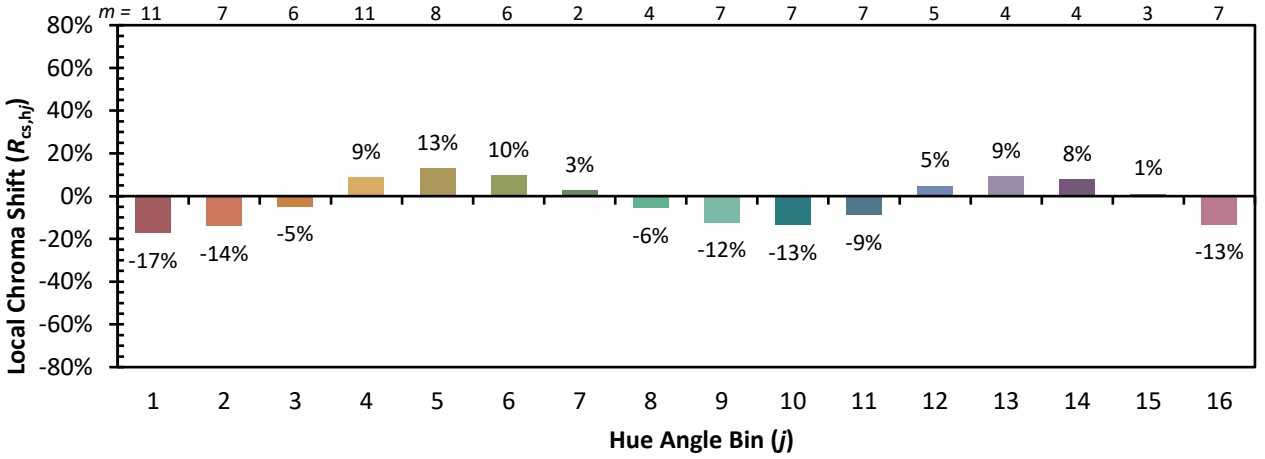
CES01 = 86	CES26 = 63	CES51 = 86	CES76 = 61
CES02 = 62	CES27 = 83	CES52 = 86	CES77 = 81
CES03 = 31	CES28 = 86	CES53 = 75	CES78 = 64
CES04 = 71	CES29 = 58	CES54 = 81	CES79 = 86
CES05 = 49	CES30 = 61	CES55 = 80	CES80 = 86
CES06 = 51	CES31 = 63	CES56 = 71	CES81 = 70
CES07 = 41	CES32 = 61	CES57 = 69	CES82 = 94
CES08 = 40	CES33 = 65	CES58 = 72	CES83 = 88
CES09 = 29	CES34 = 77	CES59 = 85	CES84 = 90
CES10 = 76	CES35 = 88	CES60 = 93	CES85 = 80
CES11 = 59	CES36 = 89	CES61 = 86	CES86 = 60
CES12 = 65	CES37 = 85	CES62 = 81	CES87 = 78
CES13 = 43	CES38 = 69	CES63 = 73	CES88 = 75
CES14 = 74	CES39 = 93	CES64 = 72	CES89 = 66
CES15 = 71	CES40 = 89	CES65 = 67	CES90 = 72
CES16 = 47	CES41 = 83	CES66 = 70	CES91 = 95
CES17 = 50	CES42 = 87	CES67 = 68	CES92 = 59
CES18 = 56	CES43 = 77	CES68 = 73	CES93 = 76
CES19 = 73	CES44 = 99	CES69 = 83	CES94 = 48
CES20 = 66	CES45 = 83	CES70 = 66	CES95 = 70
CES21 = 87	CES46 = 77	CES71 = 66	CES96 = 76
CES22 = 79	CES47 = 74	CES72 = 88	CES97 = 82
CES23 = 92	CES48 = 62	CES73 = 59	CES98 = 73
CES24 = 91	CES49 = 77	CES74 = 93	CES99 = 60
CES25 = 73	CES50 = 85	CES75 = 67	

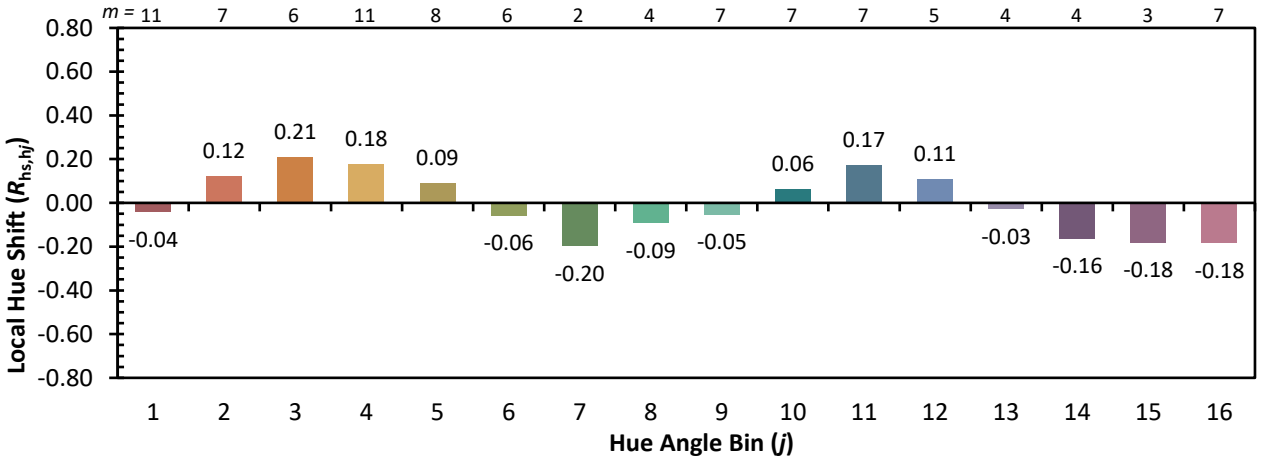


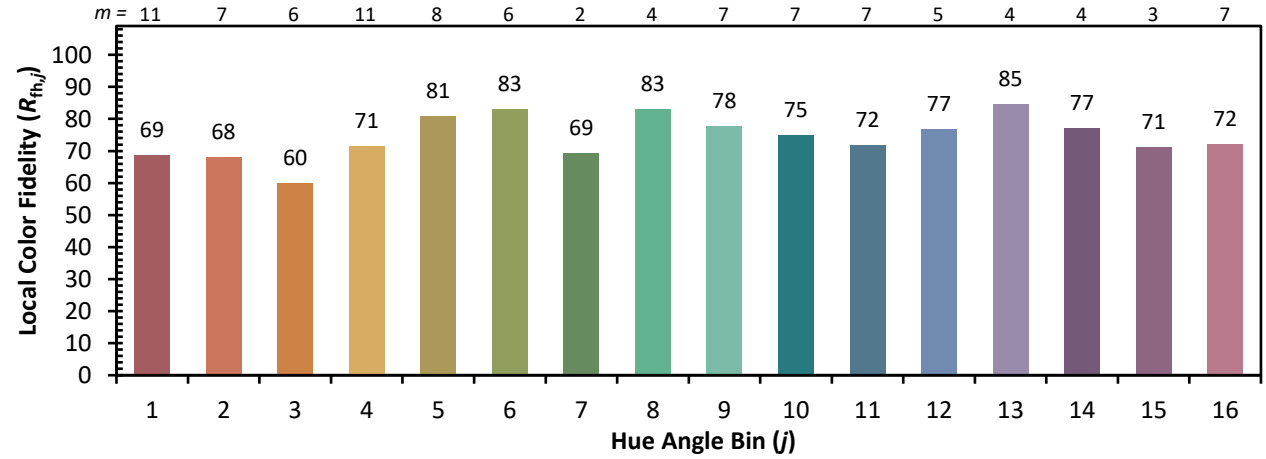
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Color Rendition by Hue-Angle Bin



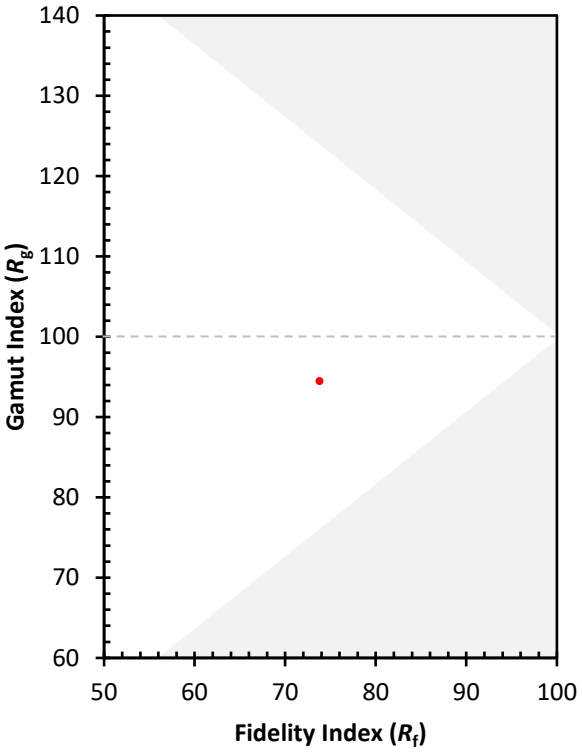


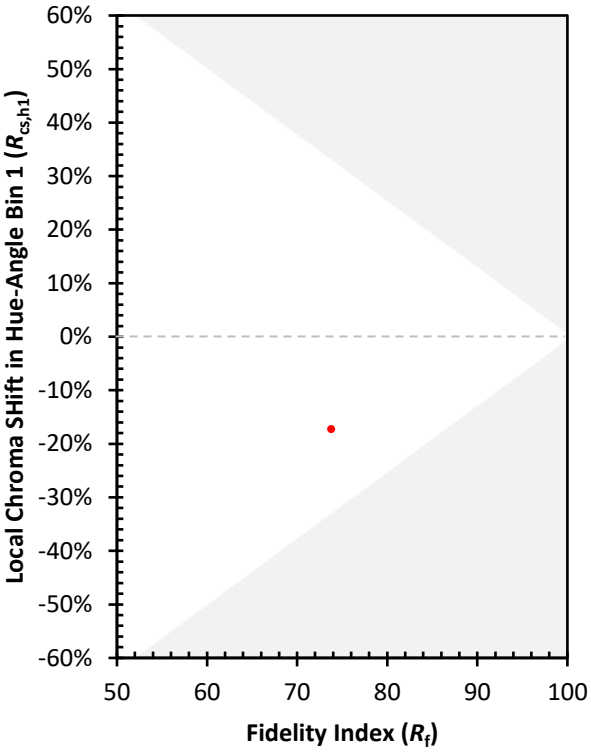


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Measure Comparisons





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