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: P1501741

Luminaire Tested: GSS-SB3A-722-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:	P1501741
Test Lab:	INNOVATION CENTER(G1)
Issue Date:	7/20/2026
Manufacturer:	COOPER LIGHTING SOLUTIONS
Product Line:	McGRAW-EDISON
Catalog Number:	GSS-SB3A-722-U-T2LG-HSS
Description:	GALLEON II SLIM SITE HIGH DENSITY LED ARRAYS 3SQUARE 85W 70CRI 2200K FIXTURE w/ TYPE II LOW GLARE DISTRIBUTION FIXTURE W/ HOUSE SIDE SHIELD
Light Source:	(78) 2200K CCT, 70 CRI LEDS
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	8395.4 lumens
Efficiency:	N/A
Efficacy:	98.8 lumens/watt
Luminous Opening:	Rectangular (W 1.5' x L: 0.5' x H: 0')
IES Classification:	Type II - Short
BUG Rating:	B1 - U0 - G1

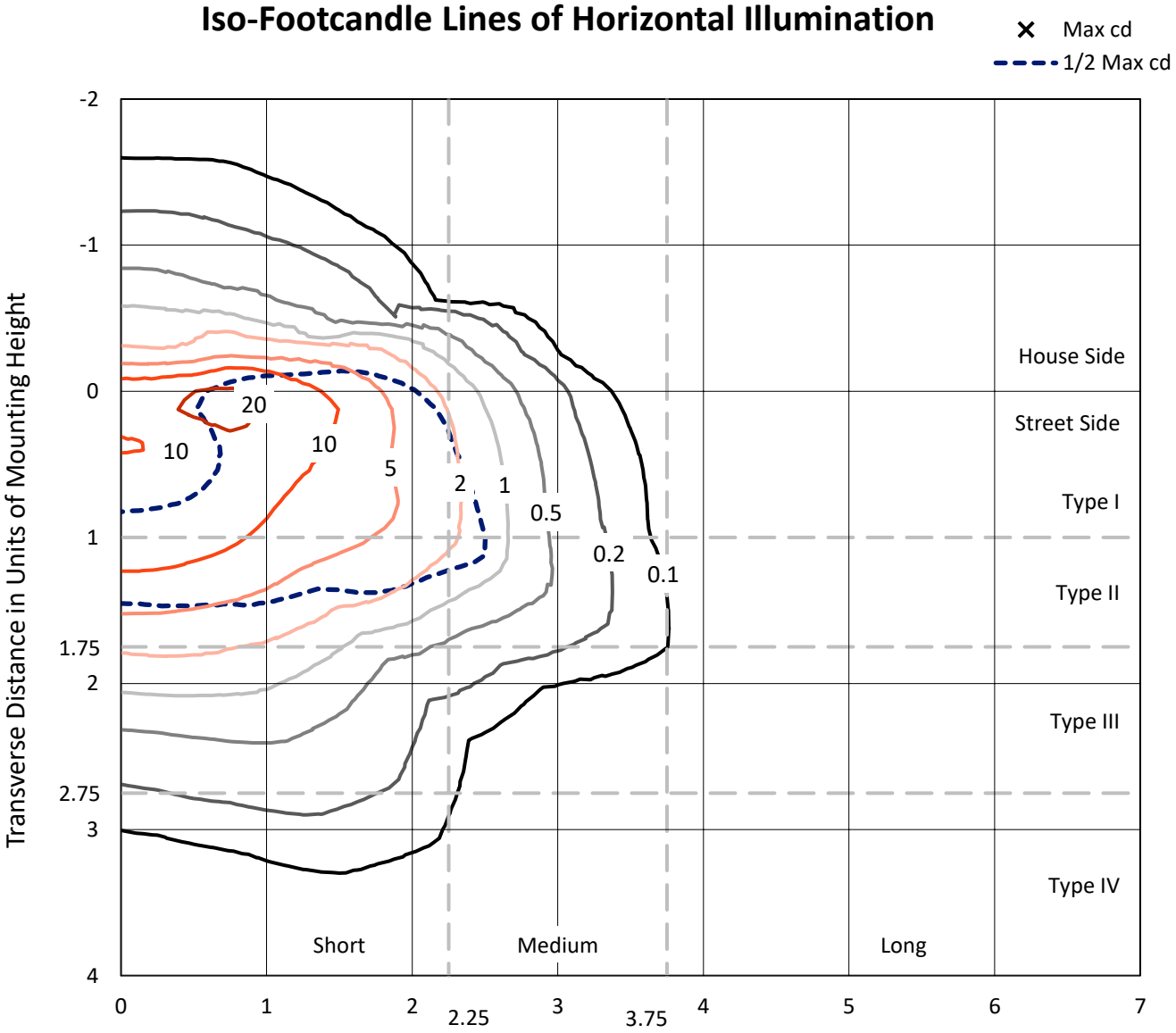
Input Watts (W):	85
Input Voltage (V):	120
Input Current (Ain):	NR
Voltage Rise (V):	NR
Power Factor:	0.98
Total Harmonic Distortion (THDi):	11.0%
Frequency (hertz):	60
Stabilization Time:	NR
Operation Time:	NR
Ambient Temperature (°C):	NR
Test Distance:	28.75 FT

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Iso-Footcandle Lines of Horizontal Illumination



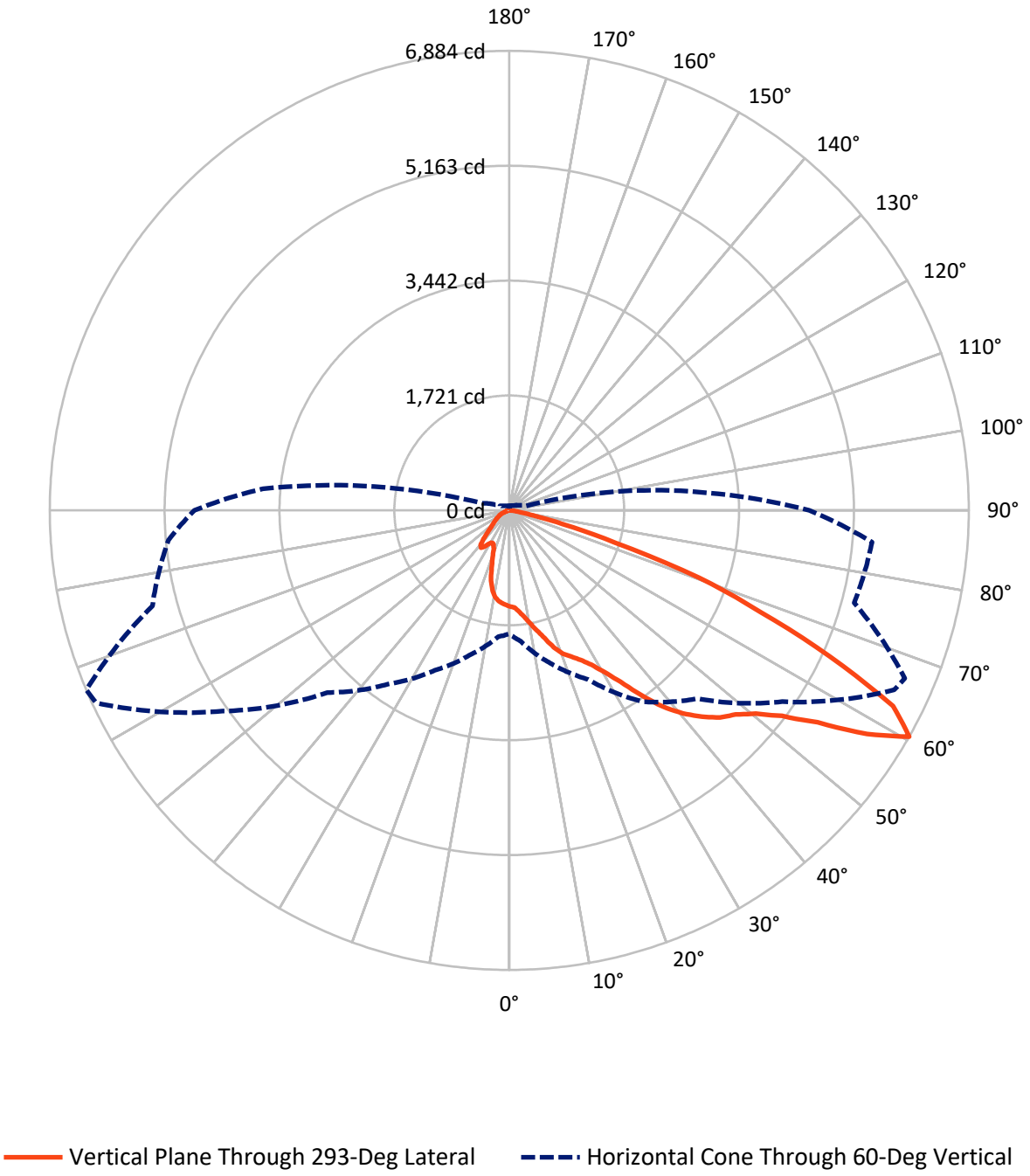
Based on 10 foot mounting height. Maximum calculated value = 23.9 fc
Type II - Short - N/A

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Luminous Intensity Polar Plot



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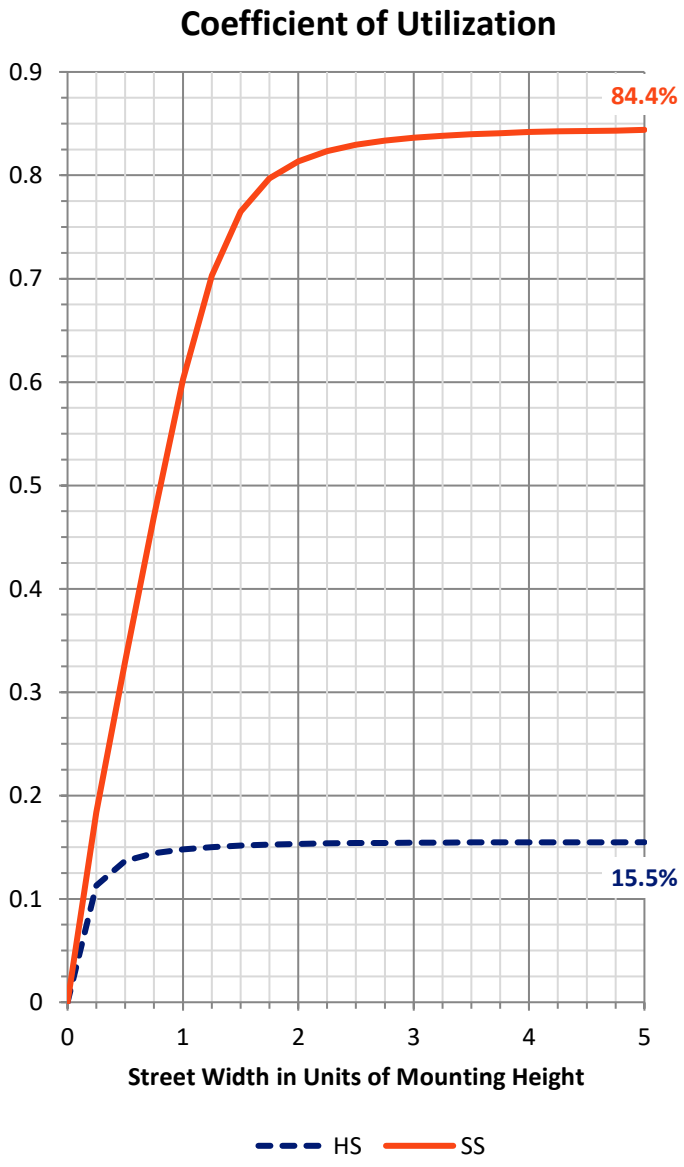
REPORT NUMBER: P1501741
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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1309.9	0.0	1309.9
	% Fixture	15.6	0.0	15.6
Street Side	Lumens	7085.5	0.0	7085.5
	% Fixture	84.4	0.0	84.4
Total	Lumens	8395.4	0.0	8395.4
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	130.3	1.6
10°-20°	328.1	3.9
20°-30°	612.6	7.3
30°-40°	1214.8	14.5
40°-50°	1936.8	23.1
50°-60°	2314.0	27.6
60°-70°	1517.0	18.1
70°-80°	317.8	3.8
80°-90°	24.1	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°	8395.4	100.0
0°-180°	8395.4	100.0



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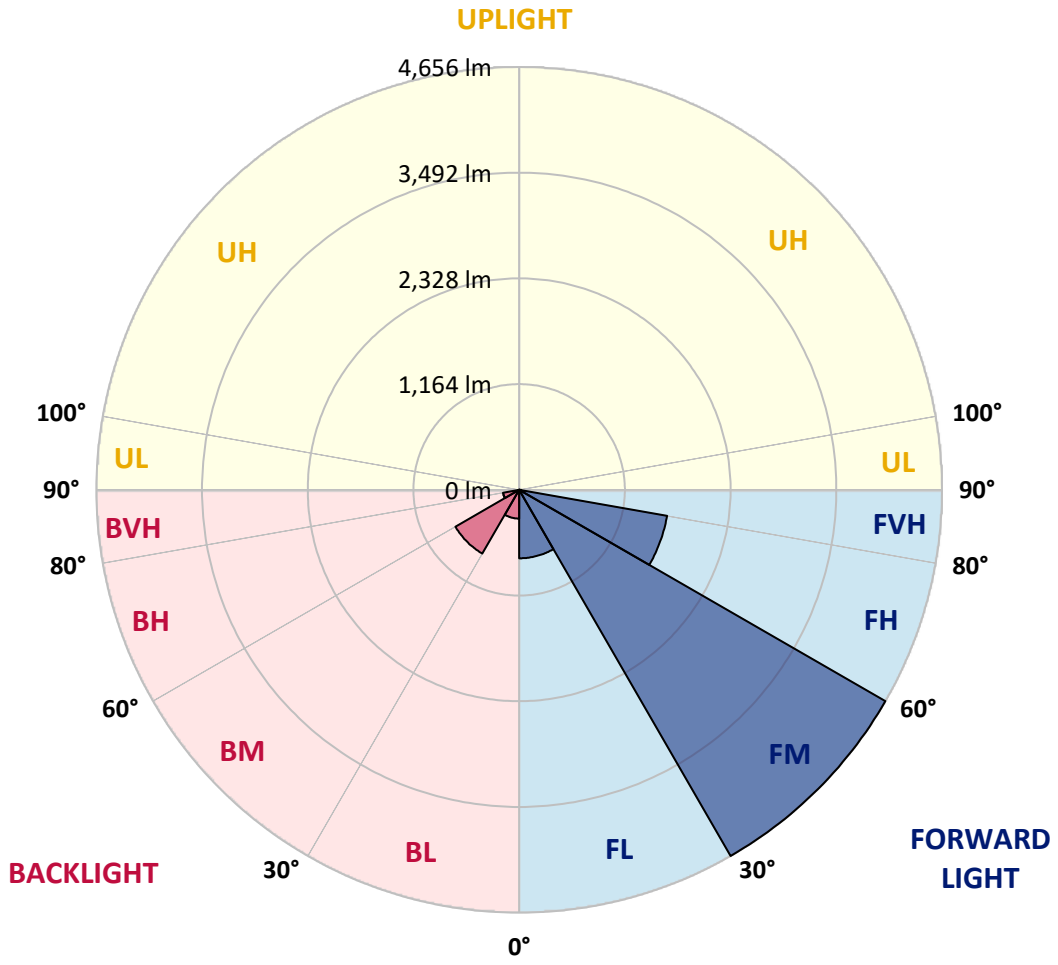
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	754.1	9.0			
FM	(30°-60°)	4655.6	55.5			
FH	(60°-80°)	1653.8	19.7			G1/1800
FVH	(80°-90°)	22.0	0.3			G1/100
BL	(0°-30°)	316.9	3.8	B1/500		
BM	(30°-60°)	810.0	9.6	B1/1000		
BH	(60°-80°)	180.9	2.2	B1/500		G1/500
BVH	(80°-90°)	2.0	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°	1438.9	1438.9	1438.9	1438.9	1438.9	1438.9	1438.9	1438.9	1438.9	1438.9	1438.9
2.5°	1511.8	1507.1	1500.0	1502.4	1500.0	1490.6	1476.5	1464.8	1474.2	1460.0	1450.6
5°	1556.4	1556.4	1551.7	1551.7	1554.1	1549.4	1540.0	1523.5	1525.9	1514.1	1483.6
7.5°	1556.4	1549.4	1561.1	1572.9	1594.1	1605.8	1610.5	1601.1	1605.8	1582.3	1542.3
10°	1464.8	1460.0	1490.6	1535.3	1596.4	1650.5	1685.8	1688.1	1695.2	1671.7	1624.6
12.5°	1269.6	1260.2	1321.3	1406.0	1530.6	1655.2	1753.9	1791.6	1808.0	1798.6	1732.8
15°	1088.6	1100.3	1142.6	1234.3	1401.3	1591.7	1791.6	1916.2	1939.7	1951.4	1873.8
17.5°	1069.8	1072.1	1086.2	1130.9	1257.9	1488.3	1796.3	2045.5	2078.4	2130.1	2024.3
20°	1121.5	1116.8	1130.9	1145.0	1206.1	1396.6	1751.6	2170.1	2233.6	2344.1	2228.9
22.5°	1217.9	1217.9	1224.9	1234.3	1264.9	1389.5	1732.8	2285.3	2393.4	2619.2	2485.1
25°	1380.1	1361.3	1366.0	1354.2	1380.1	1474.2	1775.1	2377.0	2525.1	2924.8	2790.8
27.5°	1631.7	1638.7	1596.4	1532.9	1547.0	1627.0	1878.5	2480.4	2661.5	3242.2	3101.1
30°	1979.6	1967.9	1942.0	1817.4	1761.0	1831.5	2069.0	2649.7	2844.9	3644.2	3514.9
32.5°	2252.4	2285.3	2240.6	2153.6	2066.6	2087.8	2337.0	2922.4	3068.2	4013.4	3942.8
35°	2581.5	2581.5	2590.9	2468.7	2409.9	2405.2	2673.2	3218.7	3364.5	4347.2	4396.6
37.5°	3025.9	2995.3	2943.6	2807.2	2762.6	2821.4	2988.3	3524.3	3681.9	4617.6	4749.3
40°	3399.7	3420.9	3413.8	3216.3	3129.3	3192.8	3341.0	3785.3	3907.6	4791.6	5033.8
42.5°	3766.5	3778.3	3747.7	3653.7	3526.7	3531.4	3653.7	3982.8	4107.4	4958.5	5301.8
45°	4041.6	4039.2	4018.1	3994.6	3919.3	3841.7	3862.9	4201.5	4309.6	5012.6	5447.6
47.5°	4128.6	4147.4	4166.2	4232.0	4283.8	4161.5	4053.3	4319.0	4417.8	5003.2	5501.6
50°	4048.6	4088.6	4180.3	4279.0	4455.4	4446.0	4213.2	4446.0	4542.4	5054.9	5565.1
52.5°	3870.0	3909.9	4032.2	4210.9	4476.5	4608.2	4509.5	4659.9	4772.8	5186.6	5696.8
55°	3453.8	3470.3	3721.8	3956.9	4370.7	4537.7	4826.9	5022.0	5116.1	5346.5	5870.8
57.5°	2811.9	2851.9	3098.8	3482.0	4074.5	4351.9	5007.9	5640.4	5638.0	5499.3	5908.4
60°	*1850.3*	*1967.9*	*2369.9*	*2793.1*	*3500.8*	*3987.5*	*4996.1*	*6364.5*	*6437.4*	*5348.8*	*5454.6*
62.5°	1413.0	1462.4	1690.5	2043.1	2590.9	3305.7	4918.6	6580.8	6637.2	4944.4	4775.1
65°	1062.7	1123.8	1342.5	1657.5	1829.2	2240.6	4410.7	5720.3	5797.9	4413.1	3712.4
67.5°	651.3	700.6	992.2	1361.3	1384.8	1391.9	2976.5	4333.1	4361.3	3559.6	2499.2
70°	435.0	484.3	686.5	1046.3	1102.7	801.7	1634.0	3279.8	3277.5	2435.8	1518.8
72.5°	251.6	275.1	435.0	771.2	867.6	510.2	815.8	2085.4	1993.8	1145.0	710.0
75°	143.4	159.9	239.8	496.1	608.9	324.5	322.1	1116.8	987.5	590.1	387.9
77.5°	87.0	94.0	131.7	324.5	366.8	218.7	178.7	519.6	500.8	345.6	204.5
80°	42.3	49.4	79.9	190.4	235.1	117.6	108.2	204.5	218.7	190.4	108.2
82.5°	14.1	18.8	44.7	72.9	152.8	47.0	44.7	112.9	119.9	112.9	51.7
85°	7.1	9.4	21.2	23.5	58.8	23.5	16.5	49.4	61.1	37.6	21.2
87.5°	0.0	2.4	2.4	2.4	2.4	2.4	2.4	4.7	4.7	4.7	4.7
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°	1438.9	1438.9	1438.9	1438.9	1438.9	1438.9	1438.9	1438.9	1438.9	1438.9	1438.9
2.5°	1443.6	1438.9	1429.5	1413.0	1410.7	1398.9	1380.1	1368.4	1359.0	1366.0	1368.4
5°	1469.5	1457.7	1429.5	1384.8	1337.8	1290.8	1246.1	1194.4	1159.1	1154.4	1145.0
7.5°	1516.5	1493.0	1431.8	1344.8	1224.9	1112.1	980.4	853.5	790.0	780.6	759.4
10°	1591.7	1551.7	1450.6	1274.3	1043.9	808.8	608.9	472.6	395.0	380.9	385.6
12.5°	1681.1	1624.6	1453.0	1154.4	794.7	500.8	345.6	293.9	277.4	270.4	270.4
15°	1796.3	1714.0	1450.6	999.2	536.1	322.1	277.4	256.3	249.2	244.5	244.5
17.5°	1942.0	1833.9	1434.2	766.5	362.1	279.8	253.9	237.5	228.1	225.7	225.7
20°	2113.7	1967.9	1396.6	571.3	303.3	261.0	239.8	218.7	211.6	206.9	206.9
22.5°	2332.3	2130.1	1323.7	444.4	286.8	249.2	225.7	202.2	195.1	190.4	190.4
25°	2586.2	2337.0	1227.3	399.7	284.5	239.8	211.6	188.1	181.0	178.7	176.3
27.5°	2887.2	2558.0	1137.9	402.0	289.2	232.8	197.5	176.3	169.3	162.2	164.6
30°	3242.2	2786.1	1065.1	430.3	293.9	225.7	188.1	169.3	162.2	152.8	152.8
32.5°	3592.5	3054.1	1058.0	482.0	310.3	221.0	178.7	159.9	152.8	145.8	145.8
35°	3952.2	3298.6	1098.0	550.2	343.3	214.0	166.9	150.5	143.4	138.7	136.4
37.5°	4295.5	3493.8	1135.6	592.5	324.5	183.4	152.8	138.7	131.7	122.3	122.3
40°	4523.6	3599.6	1142.6	559.6	268.0	164.6	138.7	124.6	115.2	110.5	108.2
42.5°	4690.5	3667.8	1062.7	453.8	232.8	150.5	127.0	112.9	105.8	101.1	101.1
45°	4758.7	3644.2	926.3	345.6	214.0	138.7	115.2	103.4	98.7	94.0	94.0
47.5°	4749.3	3536.1	787.6	277.4	195.1	127.0	108.2	98.7	94.0	89.3	87.0
50°	4732.8	3435.0	646.6	246.9	174.0	119.9	101.1	94.0	87.0	82.3	79.9
52.5°	4841.0	3402.1	536.1	225.7	162.2	115.2	98.7	89.3	82.3	77.6	77.6
55°	4949.1	3416.2	420.9	211.6	150.5	112.9	96.4	87.0	79.9	72.9	72.9
57.5°	4942.1	3355.1	319.8	197.5	141.1	110.5	94.0	84.6	72.9	68.2	68.2
60°	*4493.0*	*2993.0*	*249.2*	*181.0*	*129.3*	*103.4*	*87.0*	*79.9*	*68.2*	*61.1*	*61.1*
62.5°	3799.4	2353.5	204.5	159.9	115.2	94.0	79.9	72.9	61.1	49.4	49.4
65°	2807.2	1697.5	164.6	138.7	105.8	82.3	72.9	63.5	49.4	40.0	37.6
67.5°	1899.7	1043.9	131.7	115.2	94.0	70.5	61.1	54.1	44.7	32.9	30.6
70°	1126.2	554.9	96.4	79.9	70.5	51.7	51.7	47.0	37.6	28.2	25.9
72.5°	536.1	192.8	70.5	58.8	54.1	37.6	40.0	40.0	30.6	21.2	18.8
75°	272.7	94.0	47.0	42.3	35.3	28.2	32.9	30.6	21.2	14.1	14.1
77.5°	155.2	65.8	32.9	28.2	23.5	18.8	21.2	18.8	11.8	7.1	7.1
80°	87.0	47.0	21.2	18.8	14.1	11.8	11.8	9.4	7.1	2.4	2.4
82.5°	32.9	28.2	14.1	9.4	7.1	7.1	4.7	4.7	2.4	0.0	0.0
85°	14.1	7.1	7.1	4.7	4.7	2.4	2.4	2.4	0.0	0.0	0.0
87.5°	2.4	2.4	2.4	2.4	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°	1438.9	1438.9	1438.9	1438.9	1438.9	1438.9	1438.9	1438.9	1438.9	1438.9	1438.9
2.5°	1349.5	1354.2	1359.0	1377.8	1382.5	1396.6	1408.3	1422.4	1424.8	1443.6	1443.6
5°	1163.8	1161.5	1201.4	1260.2	1297.8	1349.5	1389.5	1431.8	1455.3	1485.9	1500.0
7.5°	771.2	829.9	919.3	1022.7	1156.8	1281.4	1375.4	1457.7	1514.1	1549.4	1563.5
10°	383.2	416.1	510.2	679.5	907.5	1161.5	1361.3	1514.1	1605.8	1645.8	1671.7
12.5°	270.4	277.4	293.9	385.6	604.2	964.0	1316.6	1575.3	1702.2	1777.5	1810.4
15°	242.2	246.9	253.9	279.8	373.8	719.4	1236.7	1643.4	1852.7	1939.7	1982.0
17.5°	223.4	225.7	232.8	253.9	293.9	489.0	1107.4	1716.3	2033.7	2139.5	2219.5
20°	206.9	206.9	214.0	239.8	272.7	376.2	921.6	1798.6	2264.1	2417.0	2496.9
22.5°	188.1	192.8	197.5	225.7	265.7	343.3	747.7	1862.1	2520.4	2706.1	2800.2
25°	174.0	178.7	183.4	211.6	258.6	343.3	646.6	1902.1	2807.2	3028.3	3157.6
27.5°	162.2	166.9	174.0	202.2	251.6	357.4	606.6	1913.8	3119.9	3406.8	3580.8
30°	152.8	157.5	164.6	195.1	256.3	373.8	620.7	1897.4	3437.3	3797.1	4004.0
32.5°	143.4	148.1	155.2	188.1	256.3	395.0	667.7	1864.4	3745.3	4187.4	4441.3
35°	136.4	138.7	141.1	169.3	232.8	392.6	726.5	1831.5	4055.7	4572.9	4869.2
37.5°	122.3	124.6	129.3	145.8	185.7	357.4	738.3	1791.6	4300.2	4897.4	5224.2
40°	108.2	112.9	117.6	134.0	155.2	289.2	686.5	1706.9	4429.5	5146.6	5544.0
42.5°	98.7	101.1	105.8	122.3	143.4	230.4	576.0	1558.8	4544.7	5315.9	5776.7
45°	91.7	94.0	98.7	110.5	134.0	199.8	453.8	1377.8	4554.1	5370.0	5889.6
47.5°	84.6	87.0	89.3	101.1	129.3	178.7	348.0	1213.2	4551.8	5440.5	5986.0
50°	79.9	82.3	87.0	96.4	122.3	159.9	286.8	1079.2	4650.5	5593.3	6181.1
52.5°	77.6	77.6	84.6	94.0	115.2	145.8	239.8	959.3	4702.3	5743.8	6322.2
55°	72.9	75.2	79.9	89.3	108.2	138.7	204.5	808.8	4725.8	5819.0	6348.0
57.5°	68.2	70.5	77.6	84.6	103.4	131.7	176.3	604.2	4389.6	5426.4	5915.4
60°	*61.1*	*65.8*	*75.2*	*82.3*	*96.4*	*119.9*	*155.2*	*409.1*	*3703.0*	*4716.4*	*5125.5*
62.5°	49.4	58.8	68.2	72.9	87.0	101.1	131.7	272.7	2957.7	3902.9	4368.4
65°	37.6	49.4	56.4	63.5	72.9	84.6	110.5	185.7	1972.6	2626.2	3150.5
67.5°	32.9	42.3	47.0	51.7	61.1	72.9	89.3	129.3	1196.7	1577.6	2094.9
70°	25.9	35.3	40.0	37.6	47.0	56.4	63.5	87.0	611.3	855.8	1192.0
72.5°	18.8	28.2	30.6	30.6	28.2	40.0	47.0	61.1	265.7	416.1	540.8
75°	14.1	18.8	21.2	18.8	16.5	25.9	32.9	40.0	174.0	249.2	315.1
77.5°	7.1	7.1	11.8	11.8	7.1	14.1	16.5	23.5	98.7	145.8	181.0
80°	2.4	0.0	0.0	2.4	0.0	4.7	7.1	11.8	51.7	77.6	112.9
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.4	25.9	23.5	58.8
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.7	14.1
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

REPORT NUMBER: P1501741
CATALOG NUMBER: GSS-SB3A-722-U-T2LG-HSS

CANDELA DISTRIBUTION (continued):

	285°	293°	295°	305°	315°	325°	335°	345°	355°	360°
0°	1438.9	*1438.9*	1438.9	1438.9	1438.9	1438.9	1438.9	1438.9	1438.9	1438.9
2.5°	1455.3	*1455.3*	1464.8	1478.9	1485.9	1490.6	1493.0	1497.7	1516.5	1511.8
5°	1516.5	*1521.2*	1528.2	1542.3	1558.8	1554.1	1554.1	1554.1	1565.9	1556.4
7.5°	1596.4	*1610.5*	1612.9	1629.3	1617.6	1594.1	1580.0	1558.8	1556.4	1556.4
10°	1725.7	*1721.0*	1721.0	1699.9	1657.5	1589.4	1528.2	1485.9	1462.4	1464.8
12.5°	1864.4	*1845.6*	1848.0	1770.4	1650.5	1500.0	1375.4	1283.7	1276.7	1269.6
15°	2036.1	*1986.7*	1977.3	1798.6	1544.7	1314.3	1192.0	1119.1	1095.6	1088.6
17.5°	2280.6	*2156.0*	2111.3	1749.2	1406.0	1199.1	1107.4	1074.5	1072.1	1069.8
20°	2539.2	*2292.3*	2207.7	1676.4	1359.0	1201.4	1133.2	1123.8	1119.1	1121.5
22.5°	2840.2	*2379.3*	2271.2	1688.1	1401.3	1279.0	1224.9	1217.9	1213.2	1217.9
25°	3150.5	*2480.4*	2346.4	1782.2	1528.2	1422.4	1359.0	1344.8	1359.0	1380.1
27.5°	3463.2	*2616.8*	2494.5	1967.9	1732.8	1617.6	1556.4	1608.2	1629.3	1631.7
30°	3740.6	*2807.2*	2694.4	2228.9	1965.5	1850.3	1862.1	1927.9	1953.8	1979.6
32.5°	3994.6	*3061.2*	2974.2	2525.1	2266.5	2198.3	2191.2	2240.6	2268.8	2252.4
35°	4250.8	*3392.7*	3308.0	2847.2	2635.6	2579.2	2520.4	2616.8	2607.4	2581.5
37.5°	4493.0	*3726.5*	3648.9	3192.8	2974.2	2875.4	2866.0	2953.0	3030.6	3025.9
40°	4667.0	*3996.9*	3902.9	3536.1	3329.2	3244.6	3293.9	3444.4	3425.6	3399.7
42.5°	4826.9	*4227.3*	4142.7	3837.0	3620.7	3658.4	3703.0	3804.1	3792.4	3766.5
45°	4902.1	*4424.8*	4351.9	4065.1	3959.3	4079.2	4076.9	4114.5	4051.0	4041.6
47.5°	5007.9	*4565.9*	4490.7	4269.6	4363.7	4413.1	4274.3	4234.4	4175.6	4128.6
50°	5203.0	*4784.5*	4709.3	4580.0	4659.9	4507.1	4337.8	4250.8	4130.9	4048.6
52.5°	5431.1	*5116.1*	5050.2	4998.5	4775.1	4460.1	4243.8	4086.3	3940.5	3870.0
55°	5717.9	*5605.1*	5558.1	5273.6	4671.7	4267.3	4013.4	3719.5	3519.6	3453.8
57.5°	5812.0	*6322.2*	6305.7	5318.2	4382.5	3917.0	3458.5	3061.2	2854.3	2811.9
60°	*5534.6*	*6884.1*	*6825.3*	*5243.0*	*3858.2*	*3178.7*	*2642.7*	*2235.9*	*1899.7*	*1850.3*
62.5°	5179.5	*6453.8*	6432.7	4864.5	2938.9	2278.2	1974.9	1594.1	1450.6	1413.0
65°	4436.6	*5280.6*	5290.0	3902.9	1859.7	1636.4	1622.3	1267.3	1090.9	1062.7
67.5°	3416.2	*4051.0*	3985.2	2454.6	1083.9	1309.6	1295.5	926.3	670.1	651.3
70°	1996.1	*3016.5*	2910.7	1276.7	717.1	1093.3	996.9	651.3	456.1	435.0
72.5°	881.7	*1659.9*	1782.2	561.9	505.5	869.9	719.4	399.7	256.3	251.6
75°	489.0	*822.9*	860.5	244.5	355.0	618.3	435.0	223.4	145.8	143.4
77.5°	293.9	*364.4*	355.0	157.5	265.7	395.0	263.3	127.0	91.7	87.0
80°	164.6	*166.9*	141.1	115.2	157.5	221.0	148.1	79.9	42.3	42.3
82.5°	101.1	*91.7*	72.9	35.3	42.3	134.0	54.1	44.7	14.1	14.1
85°	42.3	*28.2*	18.8	7.1	16.5	35.3	18.8	21.2	7.1	7.1
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: SP1-2407-184-2

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

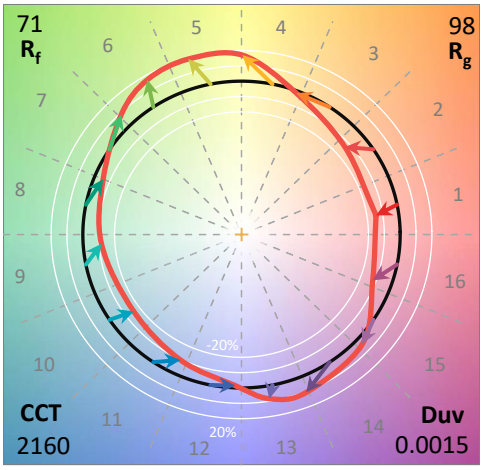
Test Information

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

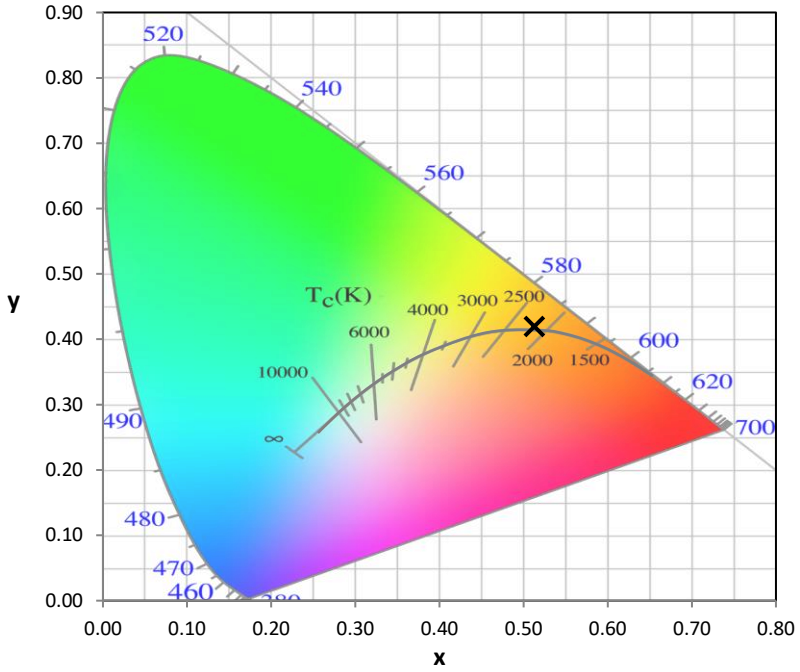
Stabilization Time:	21M
Operation Time:	1H 21M
Sphere Temperature (°C):	25.2

REPORT NUMBER: SP1-2407-184-2

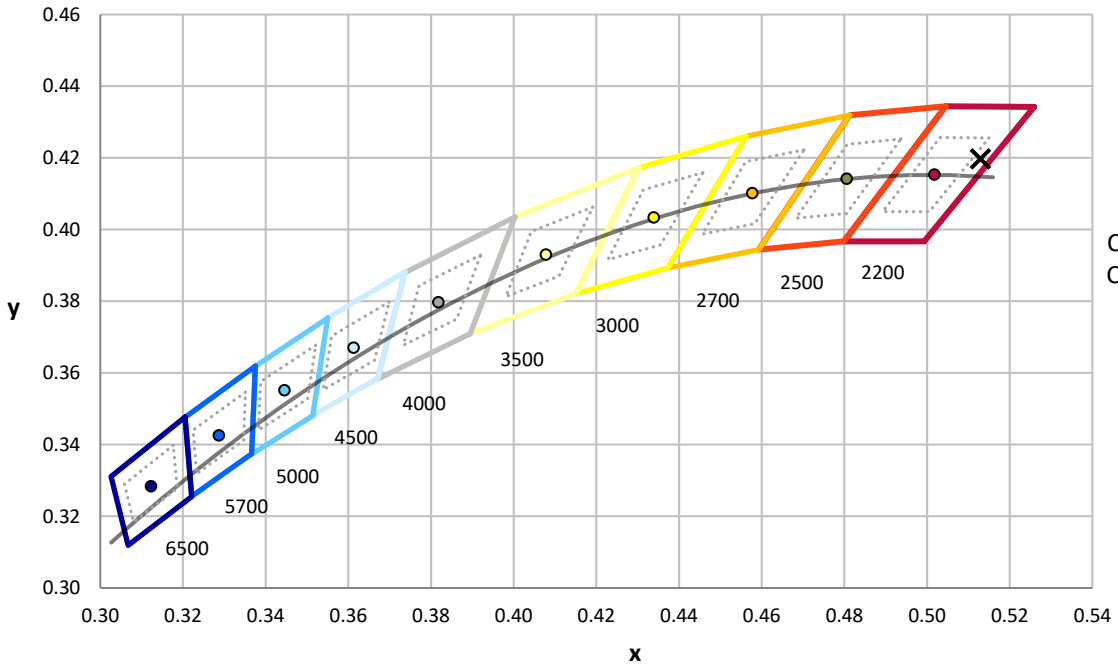
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

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CIE 1931 Chromaticity Diagram



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

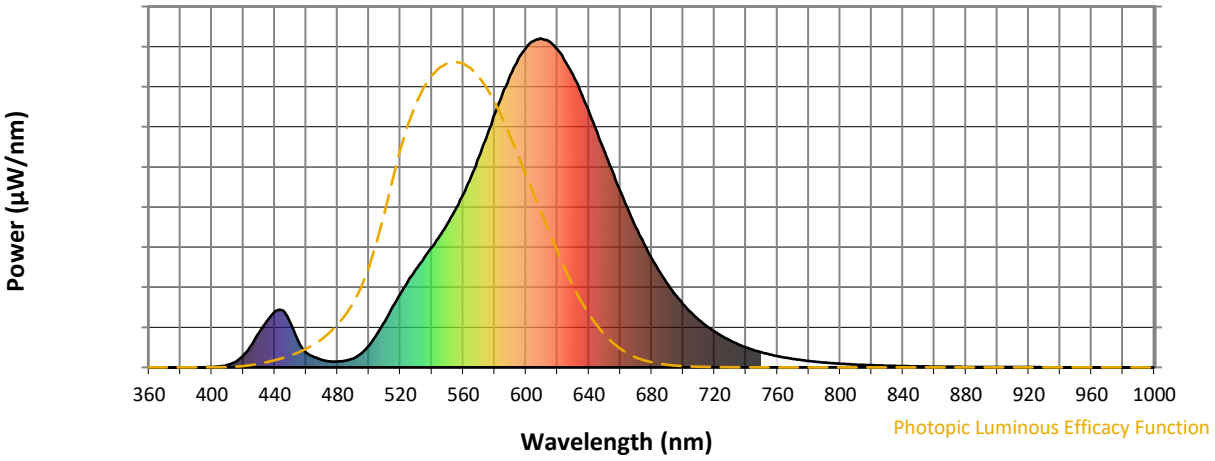


CCT = 2160K
CIE x = 0.5130
CIE y = 0.4197
Duv = 0.0015

Point lies inside the ANSI 2200K 7-step quadrangle

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Photopic Flux vs. Wavelength

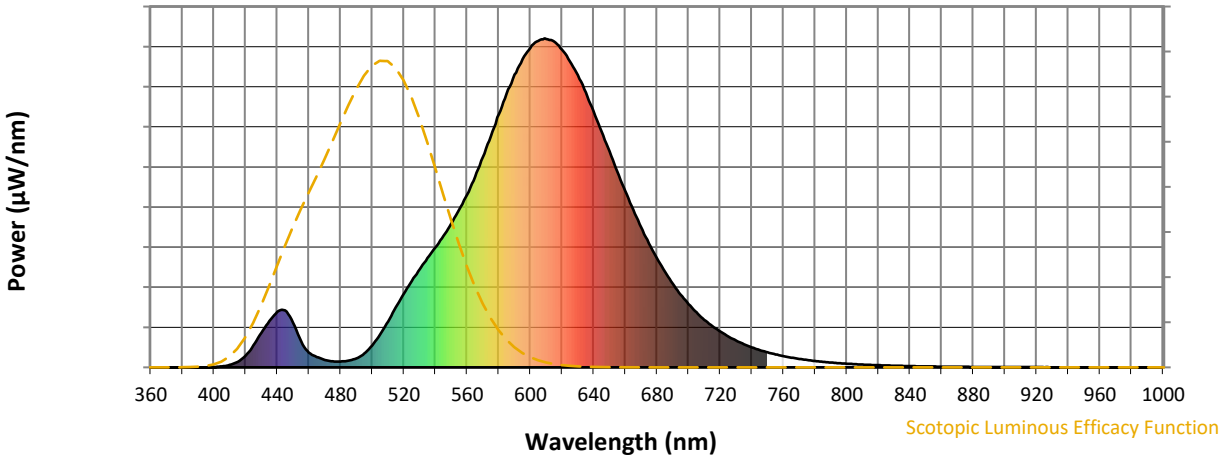


Photopic Lumens: NR

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

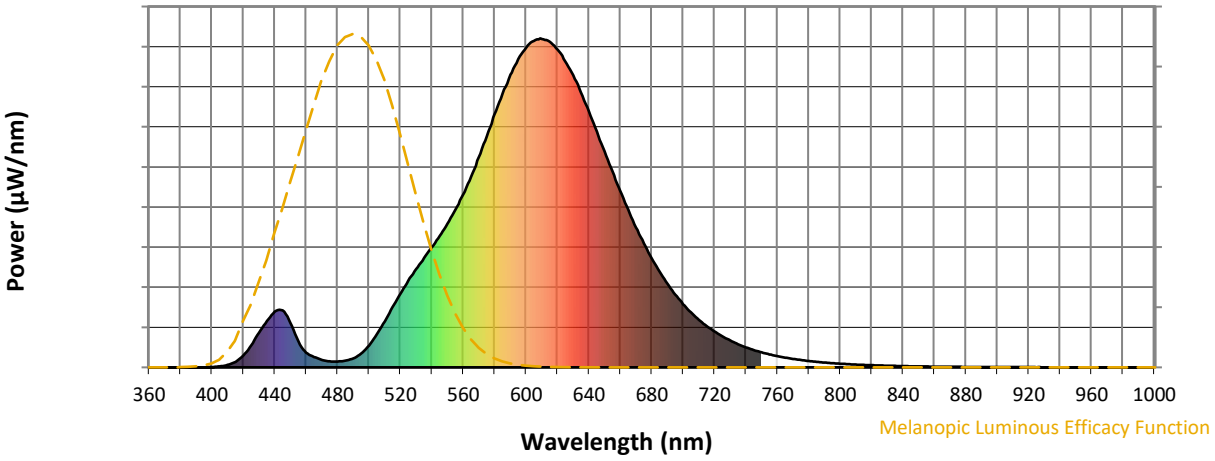


Scotopic Lumens: NR **S/P: 0.8**

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			

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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			

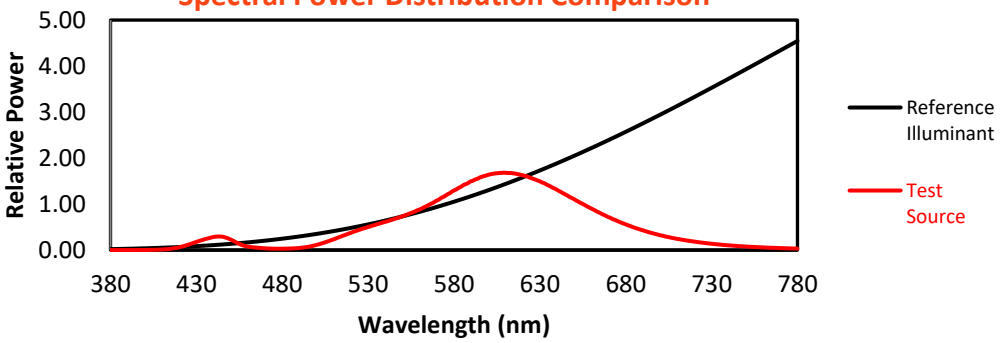
REPORT NUMBER: SP1-2407-184-2

TM-30-18

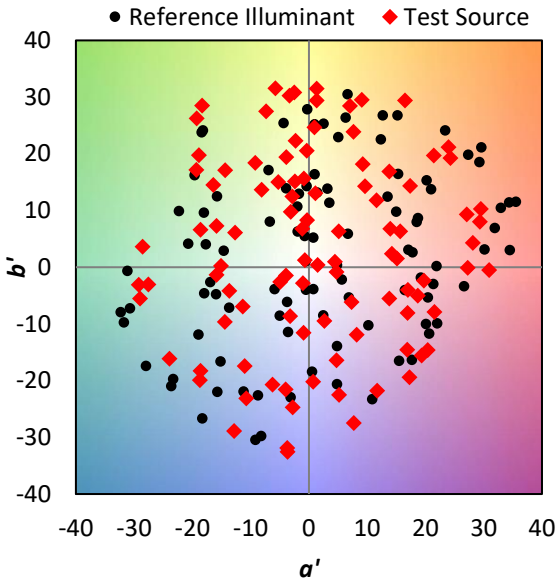
Summary

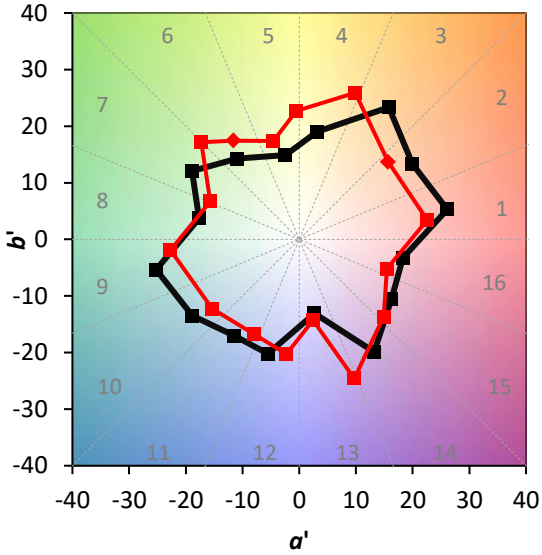
R_f = 70.6
R_g = 97.6
CIE R_a = 71.9
R_9 = -17.8

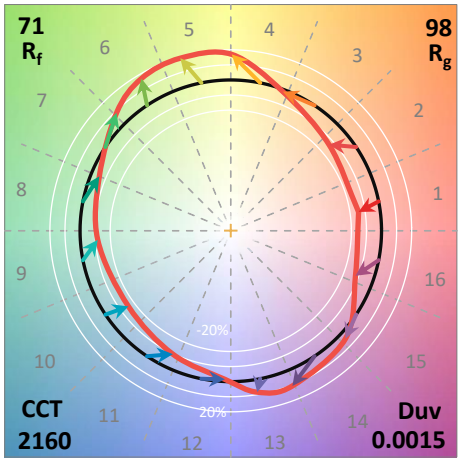
Spectral Power Distribution Comparison

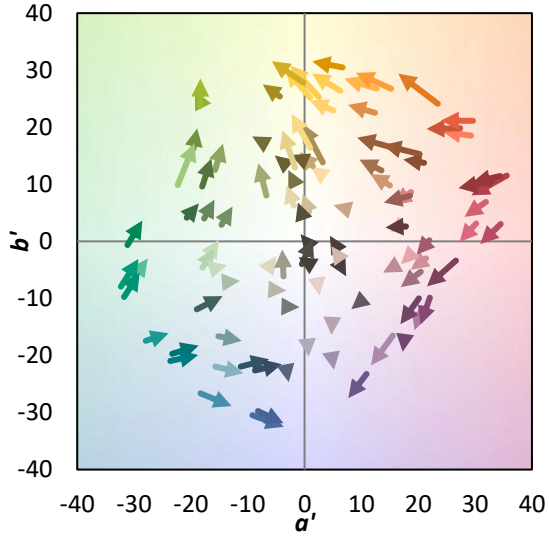


Color Vector Graphics







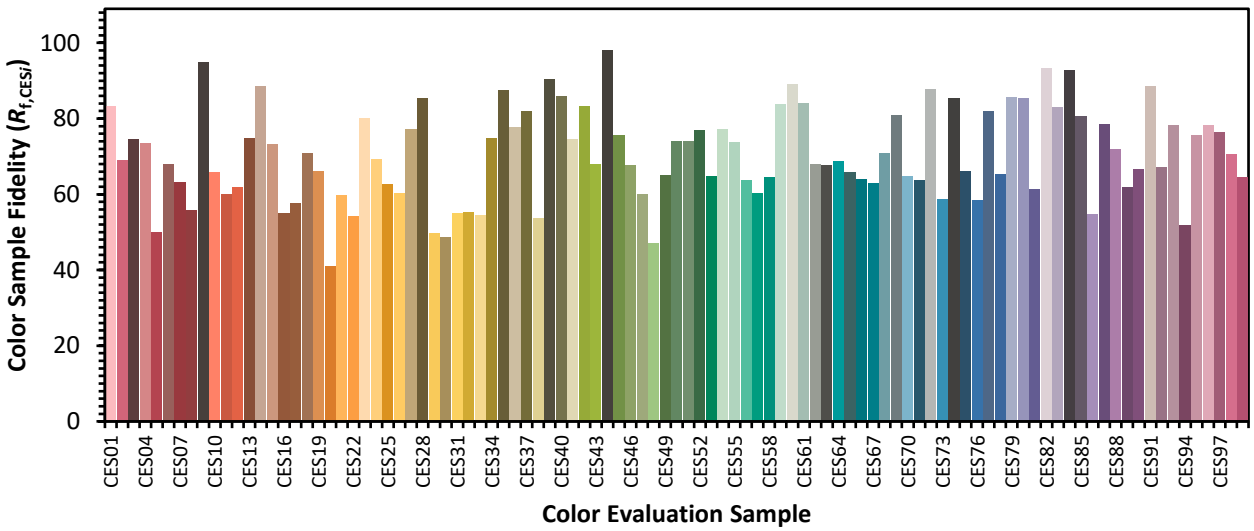


REPORT NUMBER: SP1-2407-184-2

TM-30-18

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

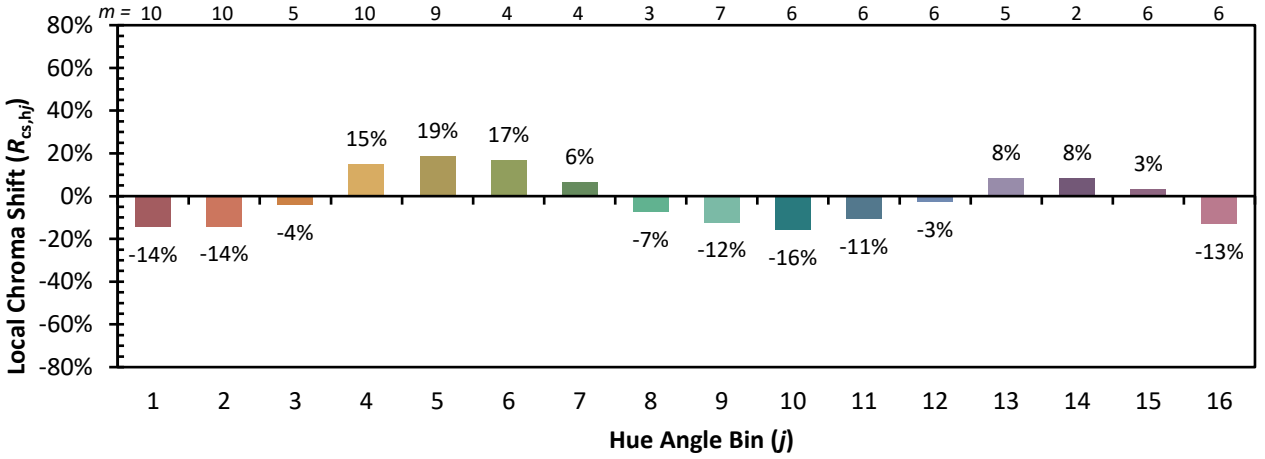
CES01 = 87	CES26 = 60	CES51 = 74	CES76 = 58
CES02 = 65	CES27 = 77	CES52 = 77	CES77 = 82
CES03 = 32	CES28 = 85	CES53 = 65	CES78 = 65
CES04 = 72	CES29 = 50	CES54 = 77	CES79 = 86
CES05 = 52	CES30 = 49	CES55 = 74	CES80 = 85
CES06 = 53	CES31 = 55	CES56 = 64	CES81 = 61
CES07 = 44	CES32 = 55	CES57 = 60	CES82 = 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	

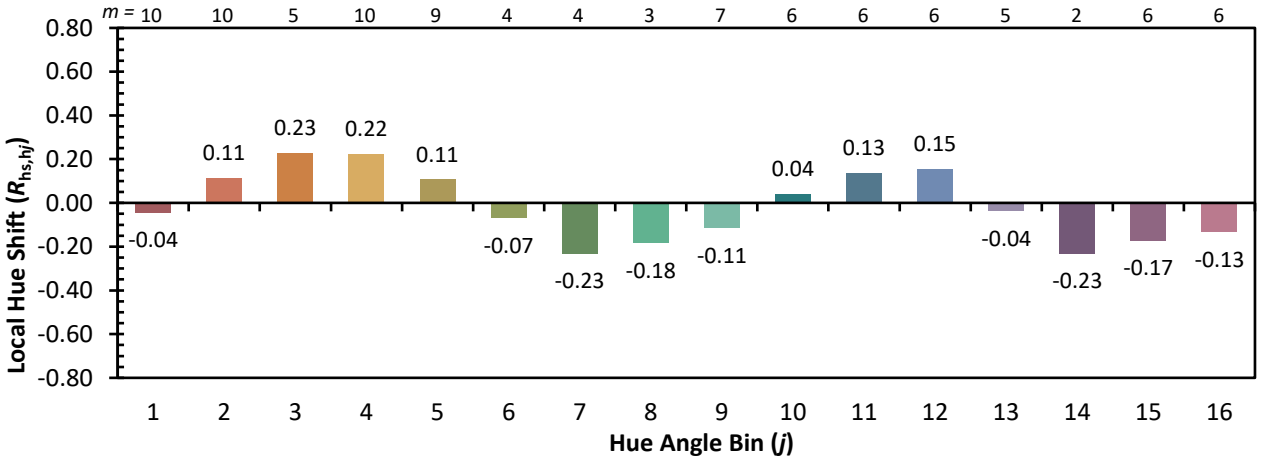


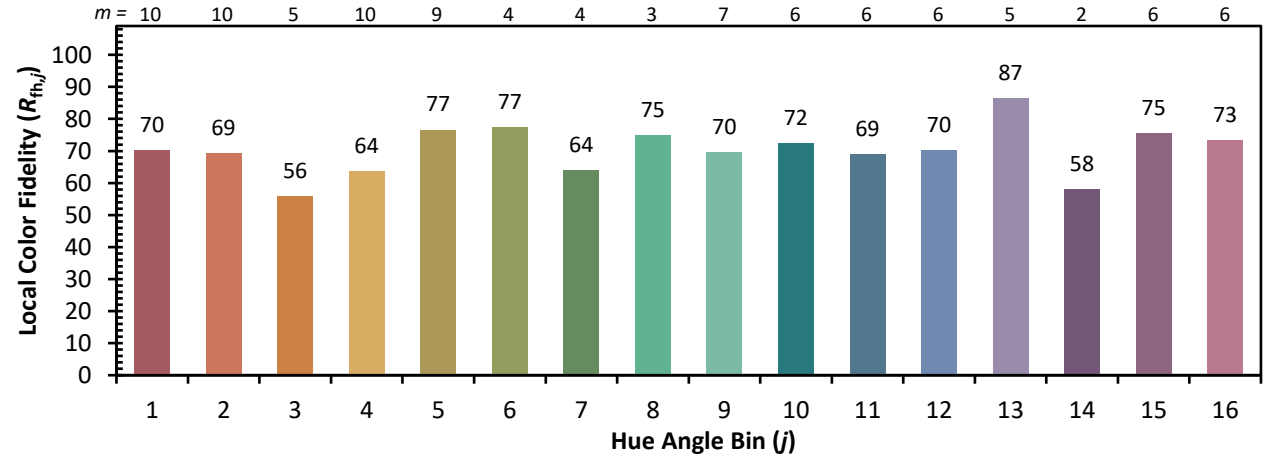
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Color Rendition by Hue-Angle Bin



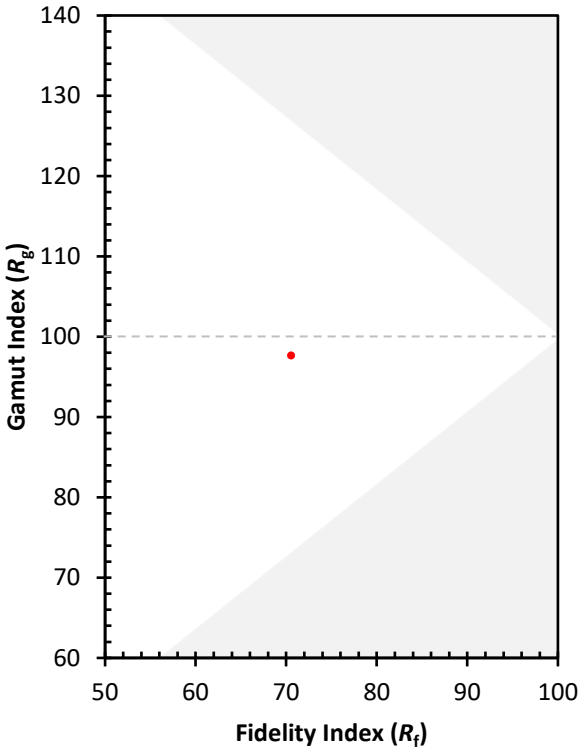


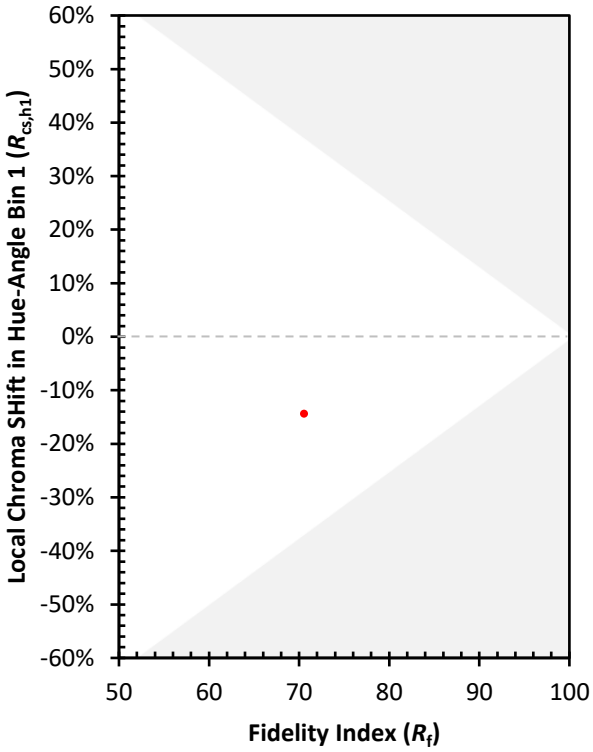


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Measure Comparisons





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