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: P1501498

Luminaire Tested: GSS-SB2B-827-U-T2LG

Issue Date: 07/20/2026

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Scaled Data Report

Test Information

Test Method:	LM-79-2024
Report Number:	P1501498
Test Lab:	INNOVATION CENTER(G1)
Issue Date:	7/20/2026
Manufacturer:	COOPER LIGHTING SOLUTIONS
Product Line:	McGRAW-EDISON
Catalog Number:	GSS-SB2B-827-U-T2LG
Description:	GALLEON II SLIM SITE HIGH DENSITY LED ARRAYS 2SQUARE 74W 80CRI 2700K FIXTURE w/ TYPE II LOW GLARE DISTRIBUTION FIXTURE
Light Source:	(52) 2700K CCT, 80 CRI LEDS
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	9079.7 lumens
Efficiency:	N/A
Efficacy:	122.7 lumens/watt
Luminous Opening:	Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification:	Type II - Short
BUG Rating:	B2 - U0 - G2

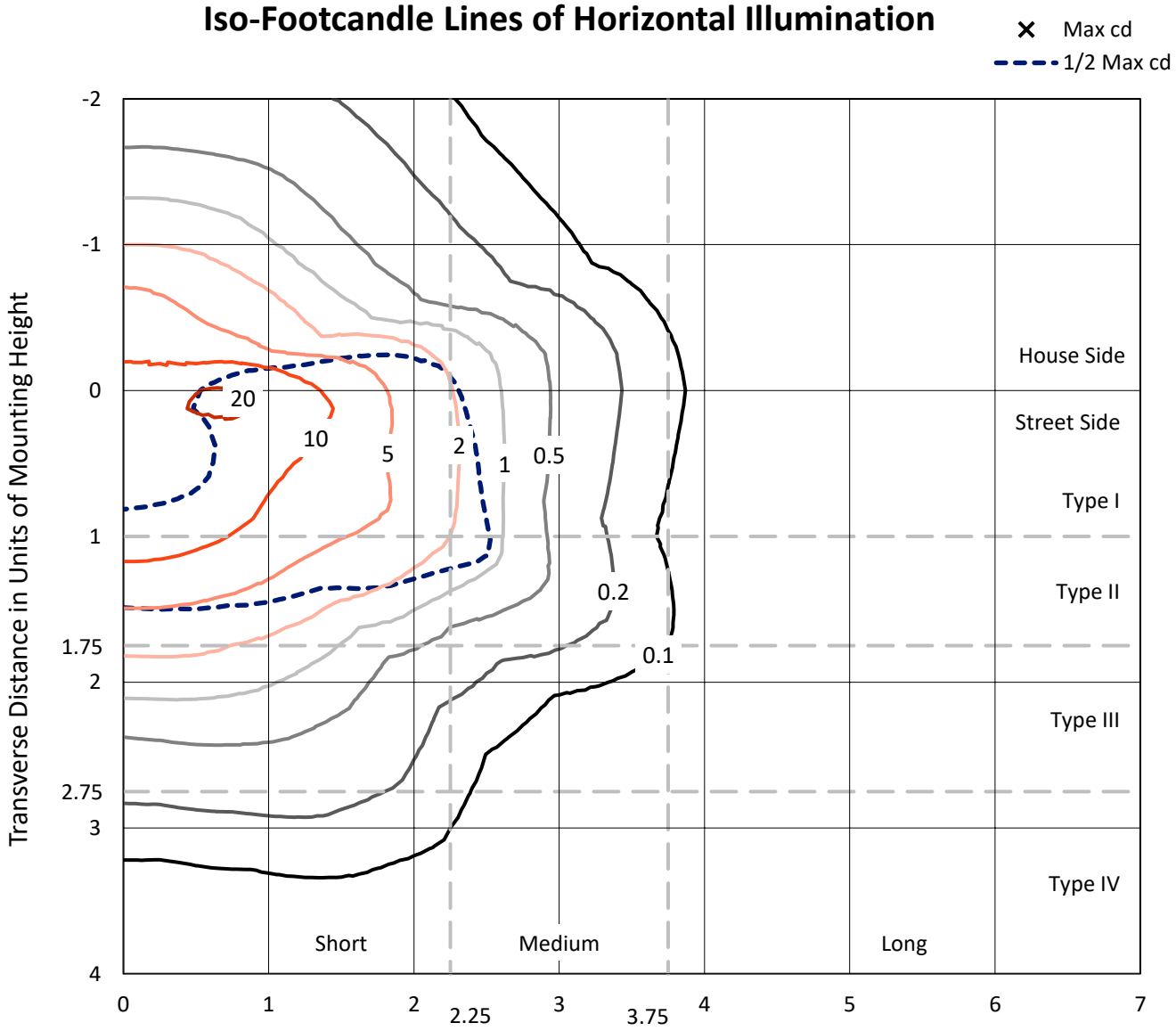
Input Watts (W):	74
Input Voltage (V):	120
Input Current (Ain):	NR
Voltage Rise (V):	NR
Power Factor:	0.98
Total Harmonic Distortion (THDi):	13.6%
Frequency (hertz):	60
Stabilization Time:	NR
Operation Time:	NR
Ambient Temperature (°C):	NR
Test Distance:	28.75 FT

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Iso-Footcandle Lines of Horizontal Illumination



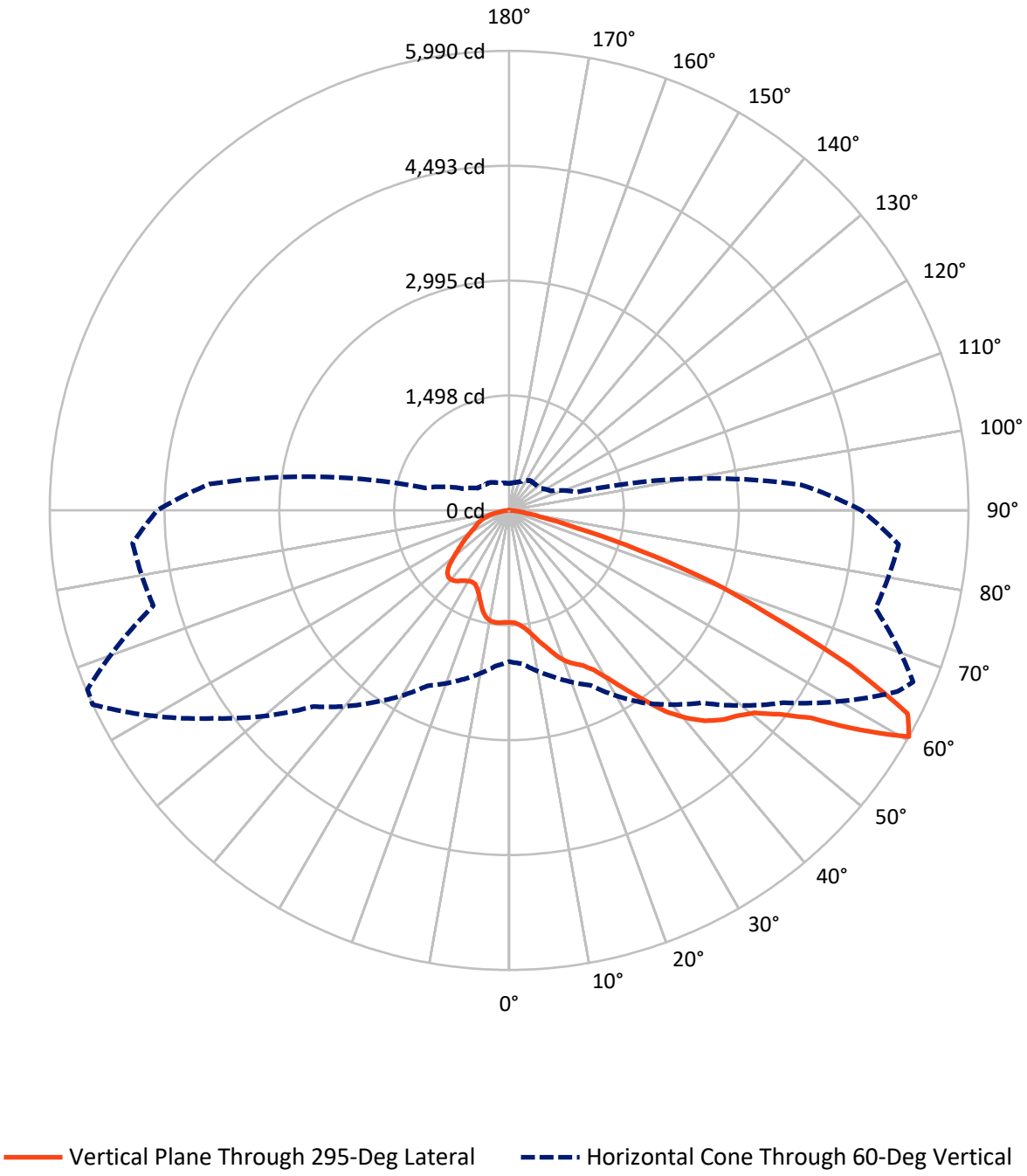
Based on 10 foot mounting height. Maximum calculated value = 22 fc
Type II - Short - N/A

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Luminous Intensity Polar Plot



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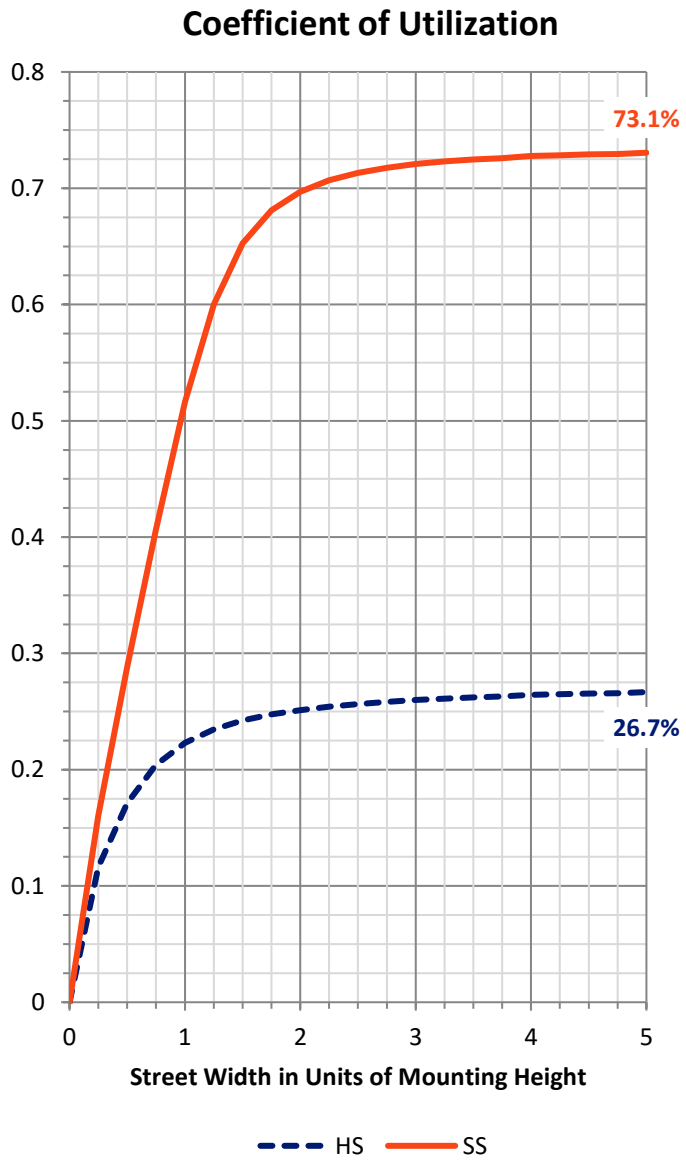
REPORT NUMBER: P1501498
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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2441.6	0.0	2441.6
	% Fixture	26.9	0.0	26.9
Street Side	Lumens	6638.0	0.0	6638.0
	% Fixture	73.1	0.0	73.1
Total	Lumens	9079.7	0.0	9079.7
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	137.4	1.5
10°-20°	394.9	4.3
20°-30°	747.9	8.2
30°-40°	1318.5	14.5
40°-50°	1950.0	21.5
50°-60°	2289.8	25.2
60°-70°	1659.1	18.3
70°-80°	511.6	5.6
80°-90°	70.4	0.8
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°	9079.7	100.0
0°-180°	9079.7	100.0



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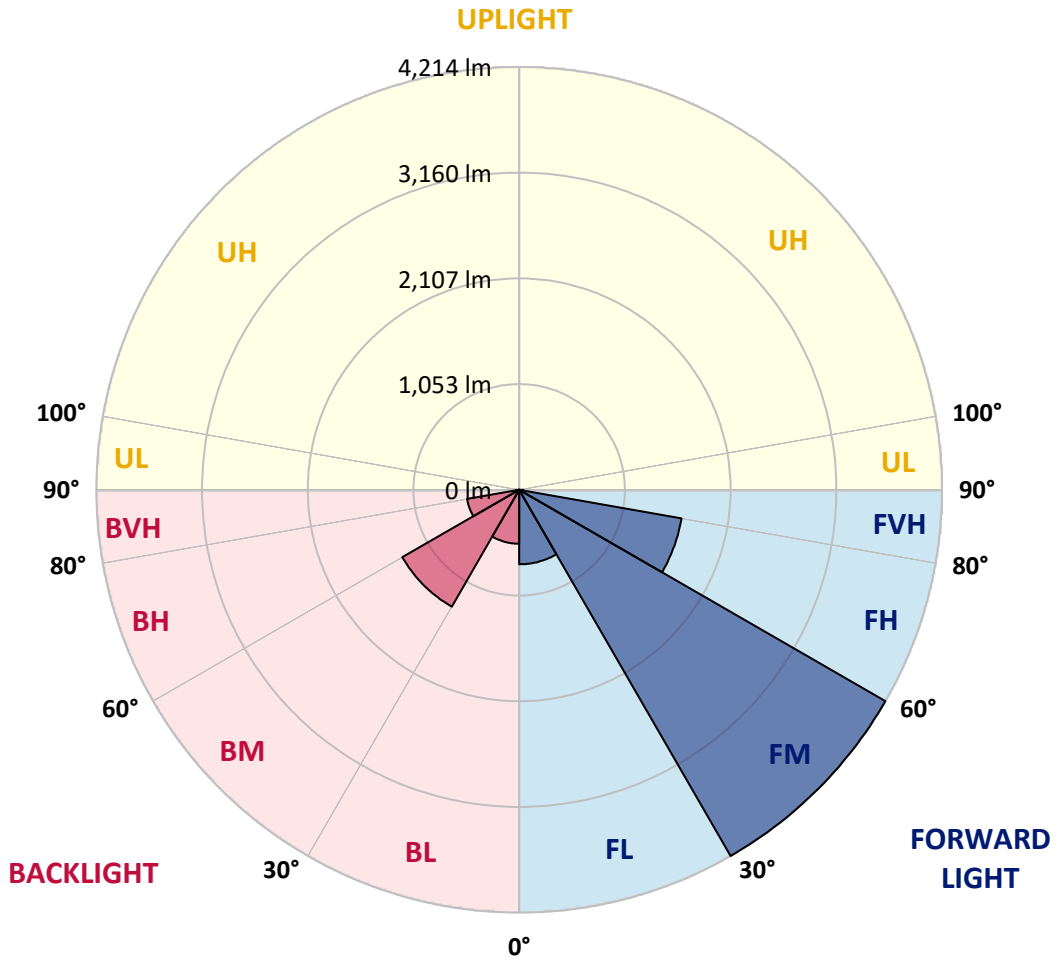
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	742.4	8.2			
FM	(30°-60°)	4213.9	46.4			
FH	(60°-80°)	1643.7	18.1			G1/1800
FVH	(80°-90°)	38.0	0.4			G1/100
BL	(0°-30°)	537.7	5.9	B2/1000		
BM	(30°-60°)	1344.4	14.8	B2/2500		
BH	(60°-80°)	527.0	5.8	B2/1000		G2/1000
BVH	(80°-90°)	32.4	0.4			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G2
Type II Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	67°	75°	85°
0°	1460.9	1460.9	1460.9	1460.9	1460.9	1460.9	1460.9	1460.9	1460.9	1460.9	1460.9
2.5°	1489.8	1494.0	1487.8	1491.9	1491.9	1485.7	1483.6	1475.4	1479.5	1477.4	1475.4
5°	1525.0	1527.1	1523.0	1529.2	1529.2	1531.2	1529.2	1518.8	1518.8	1518.8	1514.7
7.5°	1514.7	1514.7	1516.7	1537.4	1558.1	1585.0	1585.0	1580.9	1585.0	1583.0	1564.3
10°	1427.8	1436.0	1454.7	1506.4	1556.1	1614.0	1653.3	1665.7	1665.7	1667.8	1636.8
12.5°	1272.6	1278.8	1322.2	1400.9	1504.3	1609.9	1705.0	1767.1	1773.3	1783.7	1742.3
15°	1133.9	1138.1	1169.1	1249.8	1367.8	1554.0	1734.0	1862.3	1883.0	1926.5	1864.4
17.5°	1146.4	1144.3	1152.6	1183.6	1268.4	1462.9	1727.8	1974.0	2011.3	2087.9	2034.1
20°	1220.8	1220.8	1227.1	1233.3	1264.3	1396.7	1682.3	2065.1	2137.5	2286.5	2224.4
22.5°	1338.8	1338.8	1336.7	1347.1	1347.1	1425.7	1684.4	2133.4	2241.0	2507.9	2447.9
25°	1502.3	1494.0	1494.0	1498.1	1479.5	1535.4	1736.1	2203.7	2344.4	2770.7	2719.0
27.5°	1686.4	1692.6	1688.5	1674.0	1649.2	1692.6	1860.2	2313.4	2460.3	3048.0	3027.3
30°	1887.1	1889.2	1893.3	1885.1	1864.4	1895.4	2054.7	2478.9	2613.4	3337.7	3383.2
32.5°	2083.7	2112.7	2102.3	2081.6	2089.9	2145.8	2294.8	2702.4	2841.1	3606.7	3768.1
35°	2334.1	2344.4	2385.8	2309.3	2311.3	2406.5	2601.0	2996.2	3130.7	3886.0	4152.9
37.5°	2698.3	2716.9	2698.3	2578.3	2559.6	2692.1	2899.0	3285.9	3383.2	4097.1	4510.9
40°	3056.3	3079.0	3110.1	2969.3	2851.4	2961.1	3180.4	3507.3	3608.7	4212.9	4748.9
42.5°	3352.2	3389.4	3356.3	3314.9	3207.3	3228.0	3377.0	3679.1	3780.5	4359.9	4988.9
45°	3602.5	3608.7	3623.2	3594.3	3540.5	3521.8	3544.6	3830.1	3941.9	4426.1	5106.9
47.5°	3706.0	3732.9	3745.3	3795.0	3850.8	3813.6	3687.4	3900.5	4001.9	4421.9	5144.1
50°	3650.1	3677.0	3743.2	3861.2	3995.7	4061.9	3855.0	3997.7	4111.6	4496.4	5220.7
52.5°	3503.2	3532.2	3639.8	3774.3	3999.8	4150.9	4090.9	4200.5	4310.2	4628.9	5349.0
55°	3147.3	3190.8	3341.8	3565.3	3875.7	4103.3	4339.2	4498.5	4618.5	4788.2	5481.4
57.5°	2630.0	2675.5	2845.2	3180.4	3646.0	3906.7	4411.6	5057.2	5111.0	4978.6	5493.8
60°	*1969.9*	*2007.2*	*2247.2*	*2516.2*	*3062.5*	*3546.7*	*4370.2*	*5586.9*	*5723.5*	*4945.5*	*5098.6*
62.5°	1560.2	1605.7	1818.9	1943.0	2334.1	2930.0	4225.4	5733.8	5851.8	4672.3	4548.2
65°	1218.8	1249.8	1448.5	1626.4	1721.6	2000.9	3621.2	5015.8	5121.3	4227.4	3753.6
67.5°	804.9	852.5	1088.4	1332.6	1382.2	1272.6	2491.4	3859.1	3908.8	3360.4	2822.4
70°	577.3	600.1	776.0	1036.7	1111.2	852.5	1357.4	2921.8	2936.2	2255.5	1901.6
72.5°	393.2	397.3	527.7	794.6	885.6	618.7	747.0	1924.4	1874.7	1113.2	1088.4
75°	266.9	271.1	337.3	529.7	627.0	430.4	486.3	1049.1	1007.7	614.6	660.1
77.5°	180.0	184.2	231.8	355.9	418.0	298.0	355.9	554.6	544.2	407.6	353.8
80°	136.6	142.8	171.7	227.6	291.8	173.8	202.8	262.8	266.9	217.3	180.0
82.5°	76.6	84.8	103.5	115.9	188.3	97.3	97.3	157.3	151.1	134.5	97.3
85°	33.1	35.2	41.4	43.5	76.6	41.4	35.2	68.3	70.4	66.2	31.0
87.5°	6.2	6.2	6.2	6.2	6.2	6.2	6.2	8.3	8.3	8.3	8.3
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°	1460.9	1460.9	1460.9	1460.9	1460.9	1460.9	1460.9	1460.9	1460.9	1460.9	1460.9
2.5°	1465.0	1477.4	1465.0	1458.8	1458.8	1448.5	1444.3	1444.3	1429.8	1436.0	1431.9
5°	1498.1	1502.3	1487.8	1469.2	1444.3	1423.6	1394.7	1357.4	1334.7	1332.6	1334.7
7.5°	1549.9	1551.9	1512.6	1471.2	1409.1	1334.7	1245.7	1173.3	1109.1	1098.8	1111.2
10°	1622.3	1618.1	1560.2	1462.9	1332.6	1175.3	1038.8	972.5	935.3	933.2	931.2
12.5°	1719.5	1692.6	1603.7	1427.8	1200.2	1018.1	947.7	943.6	953.9	962.2	964.3
15°	1831.3	1796.1	1638.8	1359.5	1065.7	960.1	964.3	999.4	1011.9	1020.1	1020.1
17.5°	1969.9	1924.4	1678.1	1262.2	997.4	972.5	1001.5	1034.6	1055.3	1063.6	1061.5
20°	2154.1	2058.9	1709.2	1169.1	978.7	993.2	1018.1	1051.2	1071.9	1082.2	1082.2
22.5°	2338.2	2220.3	1715.4	1105.0	978.7	995.3	1018.1	1051.2	1073.9	1084.3	1082.2
25°	2588.6	2427.2	1717.5	1059.4	980.8	985.0	1005.6	1034.6	1067.7	1078.1	1082.2
27.5°	2855.5	2654.8	1727.8	1049.1	972.5	970.5	985.0	1011.9	1045.0	1071.9	1073.9
30°	3186.6	2911.4	1731.9	1059.4	974.6	947.7	958.1	985.0	1020.1	1047.0	1055.3
32.5°	3511.5	3149.4	1723.7	1082.2	978.7	933.2	935.3	951.8	989.1	1007.7	1022.2
35°	3855.0	3401.8	1709.2	1113.2	980.8	927.0	908.4	916.7	941.5	943.6	949.8
37.5°	4124.0	3590.1	1665.7	1154.6	985.0	904.3	867.0	860.8	850.5	829.8	833.9
40°	4345.4	3716.3	1593.3	1175.3	974.6	877.4	815.3	786.3	747.0	716.0	722.2
42.5°	4504.7	3801.2	1506.4	1179.5	958.1	831.8	755.3	705.6	662.2	629.0	631.1
45°	4575.1	3792.9	1413.3	1148.4	918.7	776.0	699.4	651.8	604.2	569.0	564.9
47.5°	4577.1	3712.2	1285.0	1073.9	852.5	711.8	647.7	595.9	556.6	531.8	529.7
50°	4593.7	3666.7	1165.0	966.3	765.6	643.5	602.1	550.4	527.7	492.5	482.1
52.5°	4697.1	3741.2	1082.2	848.4	684.9	593.9	562.8	517.3	480.1	457.3	455.2
55°	4864.8	3869.5	1036.7	759.4	608.4	546.3	525.6	486.3	453.2	430.4	424.2
57.5°	4885.4	3935.7	982.9	676.6	546.3	509.0	500.8	457.3	409.7	393.2	386.9
60°	*4595.8*	*3823.9*	*916.7*	*600.1*	*500.8*	*480.1*	*475.9*	*418.0*	*378.7*	*358.0*	*349.7*
62.5°	4200.5	3544.6	815.3	529.7	465.6	451.1	434.5	389.0	339.4	316.6	310.4
65°	3432.9	2979.7	693.2	482.1	430.4	413.8	409.7	347.6	314.5	302.1	300.0
67.5°	2601.0	2394.1	610.4	447.0	393.2	386.9	372.5	351.8	337.3	322.8	318.7
70°	1839.5	1727.8	519.4	401.4	355.9	345.6	405.6	382.8	331.1	312.5	310.4
72.5°	1115.3	1084.3	449.0	360.0	306.2	322.8	374.5	345.6	298.0	275.2	266.9
75°	703.5	643.5	376.6	306.2	244.2	262.8	326.9	308.3	256.6	233.8	227.6
77.5°	382.8	355.9	283.5	250.4	192.4	213.1	285.6	254.5	204.9	223.5	198.6
80°	167.6	186.2	188.3	144.8	128.3	157.3	204.9	198.6	157.3	159.3	132.4
82.5°	80.7	105.5	122.1	99.3	72.4	93.1	136.6	113.8	105.5	99.3	95.2
85°	24.8	39.3	53.8	47.6	33.1	39.3	64.1	62.1	74.5	64.1	60.0
87.5°	8.3	8.3	6.2	6.2	6.2	8.3	10.3	6.2	2.1	2.1	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°	1460.9	1460.9	1460.9	1460.9	1460.9	1460.9	1460.9	1460.9	1460.9	1460.9	1460.9
2.5°	1429.8	1431.9	1431.9	1434.0	1434.0	1440.2	1448.5	1456.7	1450.5	1458.8	1460.9
5°	1330.5	1340.9	1349.1	1380.2	1405.0	1425.7	1448.5	1469.2	1475.4	1479.5	1489.8
7.5°	1096.7	1125.7	1179.5	1249.8	1328.4	1405.0	1456.7	1510.5	1518.8	1529.2	1543.6
10°	933.2	945.6	982.9	1055.3	1196.0	1347.1	1473.3	1558.1	1593.3	1614.0	1628.5
12.5°	960.1	951.8	945.6	956.0	1047.0	1241.5	1462.9	1626.4	1692.6	1715.4	1734.0
15°	1024.3	1016.0	993.2	964.3	974.6	1129.8	1427.8	1690.6	1796.1	1833.3	1872.7
17.5°	1061.5	1053.2	1034.6	1003.6	976.7	1036.7	1361.6	1748.5	1959.6	2005.1	2061.0
20°	1082.2	1073.9	1055.3	1024.3	993.2	1001.5	1276.7	1820.9	2145.8	2218.2	2301.0
22.5°	1086.3	1076.0	1055.3	1024.3	1005.6	999.4	1196.0	1864.4	2346.5	2458.2	2553.4
25°	1084.3	1065.7	1038.8	1016.0	1005.6	1003.6	1140.1	1889.2	2563.8	2741.7	2849.3
27.5°	1069.8	1047.0	1020.1	1003.6	999.4	1011.9	1115.3	1918.2	2818.3	3045.9	3217.7
30°	1053.2	1020.1	987.0	980.8	991.2	1030.5	1136.0	1928.5	3085.2	3377.0	3552.9
32.5°	1009.8	985.0	951.8	949.8	974.6	1045.0	1183.6	1914.0	3321.1	3708.1	3929.5
35°	947.7	933.2	914.6	920.8	960.1	1057.4	1216.7	1868.5	3536.3	4016.4	4275.0
37.5°	838.0	848.4	858.7	873.2	922.9	1055.3	1231.2	1796.1	3714.3	4262.6	4593.7
40°	716.0	751.1	784.2	821.5	887.7	1038.8	1235.3	1707.1	3817.7	4448.8	4877.2
42.5°	639.4	672.5	713.9	767.7	840.1	1001.5	1231.2	1607.8	3850.8	4577.1	5057.2
45°	569.0	608.4	660.1	716.0	798.7	947.7	1193.9	1500.2	3867.4	4637.1	5133.8
47.5°	531.8	554.6	602.1	658.0	744.9	881.5	1121.5	1421.6	3842.6	4649.6	5226.9
50°	488.3	519.4	550.4	604.2	689.1	798.7	1034.6	1376.0	3883.9	4771.6	5373.8
52.5°	455.2	471.8	504.9	554.6	616.6	722.2	951.8	1338.8	3997.7	4895.8	5526.9
55°	430.4	449.0	469.7	511.1	558.7	645.6	867.0	1282.9	4130.2	5028.2	5680.0
57.5°	391.1	403.5	432.5	475.9	507.0	571.1	767.7	1216.7	4119.8	4924.8	5415.2
60°	*355.9*	*368.3*	*399.4*	*442.8*	*461.4*	*504.9*	*670.4*	*1131.9*	*3921.2*	*4587.5*	*4926.8*
62.5°	316.6	331.1	368.3	399.4	415.9	449.0	569.0	976.7	3507.3	4080.5	4355.7
65°	300.0	308.3	333.1	370.4	368.3	399.4	480.1	767.7	2822.4	3118.3	3368.7
67.5°	318.7	331.1	326.9	337.3	331.1	347.6	430.4	616.6	2218.2	2348.6	2493.4
70°	314.5	343.5	358.0	337.3	289.7	308.3	372.5	492.5	1587.1	1574.7	1568.5
72.5°	275.2	304.2	345.6	366.3	283.5	256.6	322.8	426.3	1018.1	1013.9	916.7
75°	233.8	254.5	304.2	331.1	244.2	206.9	277.3	362.1	608.4	616.6	550.4
77.5°	215.2	204.9	254.5	291.8	198.6	159.3	223.5	273.1	335.2	339.4	314.5
80°	155.2	149.0	190.4	213.1	151.1	113.8	126.2	169.7	180.0	161.4	167.6
82.5°	99.3	101.4	113.8	136.6	93.1	62.1	86.9	113.8	97.3	78.6	93.1
85°	64.1	72.4	60.0	70.4	29.0	29.0	37.2	49.7	33.1	22.8	24.8
87.5°	0.0	0.0	4.1	8.3	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: P1501498
CATALOG NUMBER: GSS-SB2B-827-U-T2LG

CANDELA DISTRIBUTION (continued):

	285°	293°	295°	305°	315°	325°	335°	345°	355°	360°
0°	1460.9	1460.9	*1460.9*	1460.9	1460.9	1460.9	1460.9	1460.9	1460.9	1460.9
2.5°	1467.1	1465.0	*1465.0*	1469.2	1479.5	1483.6	1489.8	1487.8	1494.0	1489.8
5°	1496.1	1498.1	*1504.3*	1506.4	1512.6	1520.9	1523.0	1520.9	1525.0	1525.0
7.5°	1554.0	1562.3	*1558.1*	1568.5	1560.2	1549.9	1533.3	1520.9	1510.5	1514.7
10°	1651.2	1647.1	*1645.0*	1626.4	1589.2	1535.4	1491.9	1444.3	1436.0	1427.8
12.5°	1758.8	1754.7	*1754.7*	1690.6	1585.0	1473.3	1374.0	1299.5	1274.6	1272.6
15°	1909.9	1883.0	*1858.2*	1723.7	1512.6	1322.2	1206.4	1148.4	1133.9	1133.9
17.5°	2098.2	2027.8	*1986.5*	1698.8	1394.7	1222.9	1154.6	1140.1	1136.0	1146.4
20°	2332.0	2154.1	*2094.1*	1643.0	1351.2	1235.3	1202.2	1204.3	1206.4	1220.8
22.5°	2588.6	2269.9	*2170.6*	1643.0	1394.7	1314.0	1297.4	1320.2	1326.4	1338.8
25°	2874.2	2373.4	*2238.9*	1729.9	1523.0	1462.9	1442.3	1465.0	1481.6	1502.3
27.5°	3194.9	2481.0	*2356.9*	1887.1	1688.5	1651.2	1628.5	1638.8	1661.6	1686.4
30°	3482.5	2661.0	*2536.9*	2127.2	1914.0	1868.5	1829.2	1845.8	1870.6	1887.1
32.5°	3737.0	2880.4	*2774.8*	2379.6	2172.7	2094.1	2050.6	2046.5	2096.1	2083.7
35°	3970.8	3139.0	*3037.6*	2667.2	2435.5	2338.2	2280.3	2354.8	2321.7	2334.1
37.5°	4155.0	3408.0	*3327.3*	2942.4	2708.6	2576.2	2541.0	2632.1	2683.8	2698.3
40°	4306.1	3641.8	*3557.0*	3215.6	2959.0	2861.7	2917.6	3068.7	3062.5	3056.3
42.5°	4421.9	3842.6	*3749.4*	3422.5	3199.0	3217.7	3261.1	3362.5	3387.3	3352.2
45°	4473.7	3968.8	*3894.3*	3586.0	3472.2	3579.8	3598.4	3641.8	3625.3	3602.5
47.5°	4533.7	4080.5	*4001.9*	3735.0	3768.1	3873.6	3836.3	3801.2	3741.2	3706.0
50°	4635.1	4212.9	*4146.7*	3952.2	4072.2	4037.1	3892.2	3813.6	3691.5	3650.1
52.5°	4827.5	4463.3	*4413.7*	4295.7	4215.0	4012.2	3836.3	3695.6	3559.1	3503.2
55°	4999.3	4802.7	*4773.7*	4616.4	4171.6	3881.9	3646.0	3428.7	3194.9	3147.3
57.5°	5098.6	5365.5	*5398.6*	4753.0	3972.9	3586.0	3238.3	2890.7	2669.3	2630.0
60°	*4802.7*	*5973.9*	*5990.4*	*4726.1*	*3614.9*	*3052.1*	*2522.4*	*2276.2*	*2038.2*	*1969.9*
62.5°	4395.0	5847.6	*5833.2*	4564.7	2878.3	2226.5	1916.1	1800.2	1616.1	1560.2
65°	3778.4	4871.0	*4887.5*	3943.9	1914.0	1609.9	1609.9	1462.9	1258.1	1218.8
67.5°	3079.0	3755.6	*3718.4*	2557.6	1175.3	1289.1	1351.2	1140.1	852.5	804.9
70°	2000.9	2868.0	*2816.2*	1475.4	738.7	1073.9	1063.6	856.7	610.4	577.3
72.5°	860.8	1657.5	*1763.0*	753.2	556.6	864.9	848.4	600.1	407.6	393.2
75°	519.4	833.9	*908.4*	480.1	405.6	651.8	587.7	380.7	277.3	266.9
77.5°	329.0	457.3	*453.2*	360.0	304.2	440.7	395.2	262.8	188.3	180.0
80°	190.4	225.5	*233.8*	225.5	204.9	314.5	252.4	190.4	146.9	136.6
82.5°	122.1	140.7	*142.8*	109.7	113.8	202.8	136.6	111.7	84.8	76.6
85°	53.8	60.0	*57.9*	37.2	37.2	82.8	47.6	45.5	33.1	33.1
87.5°	2.1	4.1	*2.1*	2.1	2.1	8.3	4.1	6.2	6.2	6.2
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: SP1-2407-184-8

Test Date: 10/10/2024

Luminaire Tested: GSS-SB1A-827-U-5WQ

Data in this report applies to families of products including GSS-SB1A-827-U-5WQ

Report Generated By FNC07603 / LDUCLS01DT446
Version: v7.04

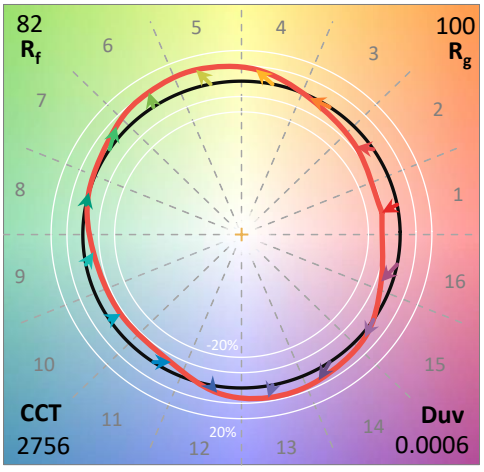
Test Information

Test Method:	LM-79-2019
Report Number:	SP1-2407-184-8
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-827-U-5WQ**
Description:	GALLEON II SITE SLIM 1SQ 350MA 5WQ HIGH DENSITY LIGHTSQUARE WITH 80 CRI 2700K CCT 26 LEDS

Spectral Parameters

CCT (K):	2756
CIE u':	0.2599
CIE v':	0.5271
Duv:	0.0006
CIE x:	0.4563
CIE y:	0.4112
CIE z:	0.1325
Peak Wavelength (nm):	609
Dominant Wavelength (nm):	583
Purity:	60.41121
Rf:	82.2
Rg:	99.9

CRI (Ra):	82.9
R1:	81.6
R2:	88.8
R3:	96.0
R4:	83.4
R5:	81.4
R6:	87.0
R7:	84.0
R8:	60.8
R9:	10.8
R10:	74.8
R11:	84.3
R12:	72.1
R13:	82.9
R14:	97.3
R15:	73.7



Test Conditions

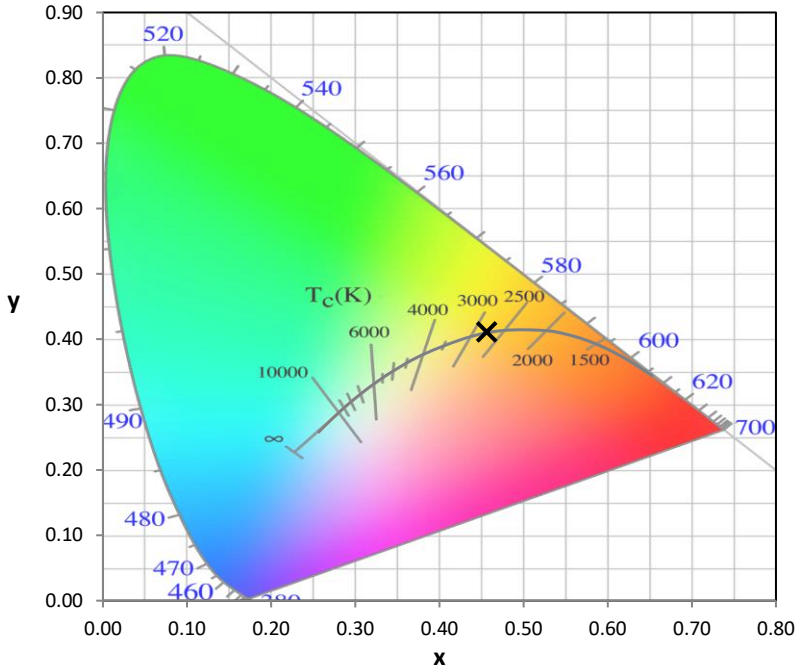
Stabilization Time:	29M
Operation Time:	1H 29M
Sphere Temperature (°C):	25.2

REPORT NUMBER: SP1-2407-184-8

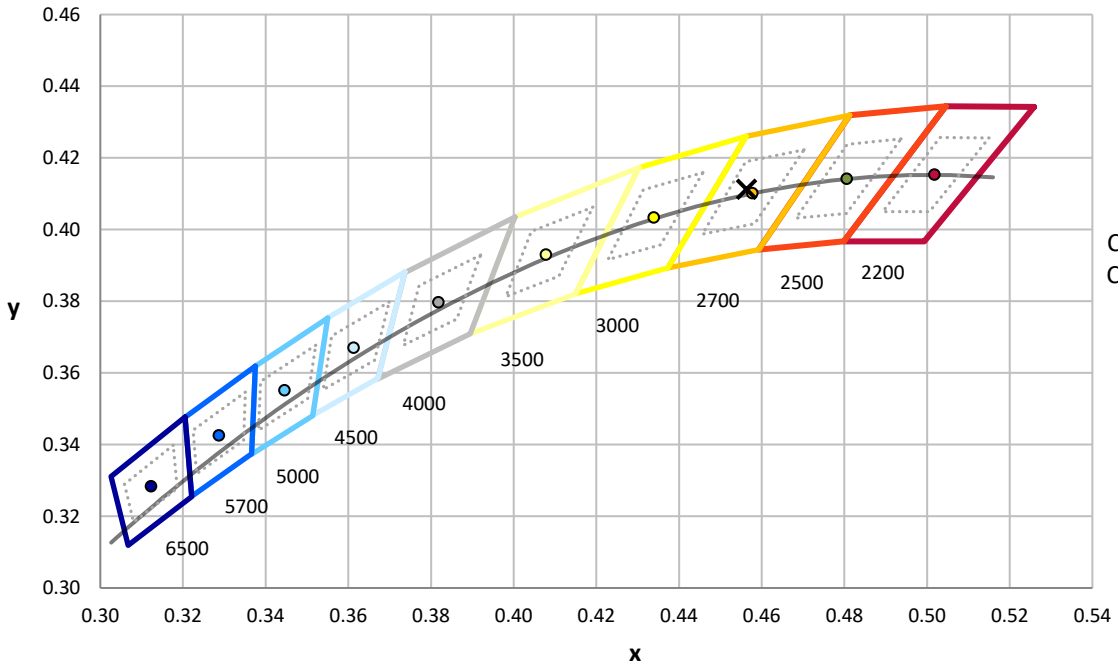
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

REPORT NUMBER: SP1-2407-184-8

CIE 1931 Chromaticity Diagram



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

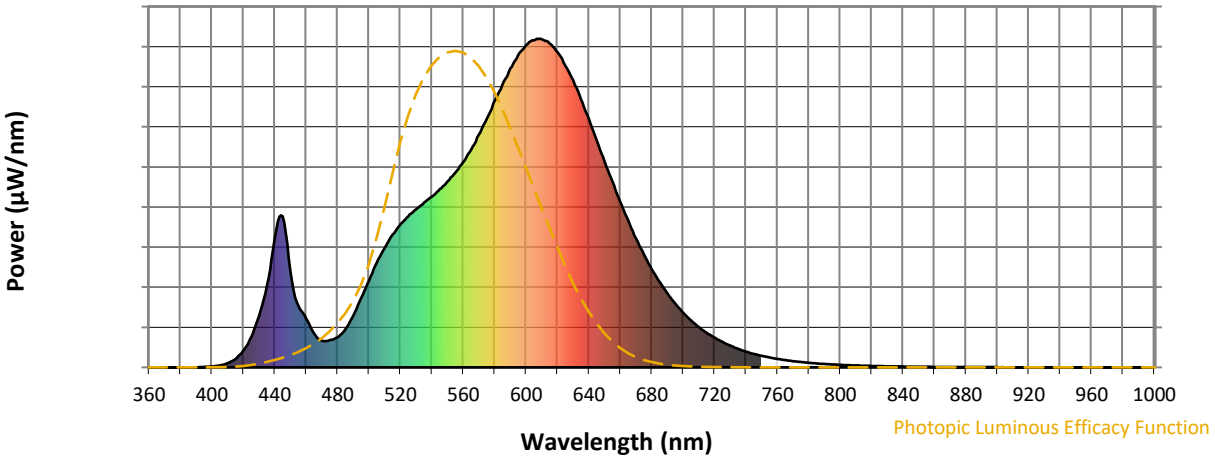


CCT = 2756K
CIE x = 0.4563
CIE y = 0.4112
Duv = 0.0006

Point lies inside the ANSI 2700K 4-step quadrangle

REPORT NUMBER: SP1-2407-184-8

Photopic Flux vs. Wavelength

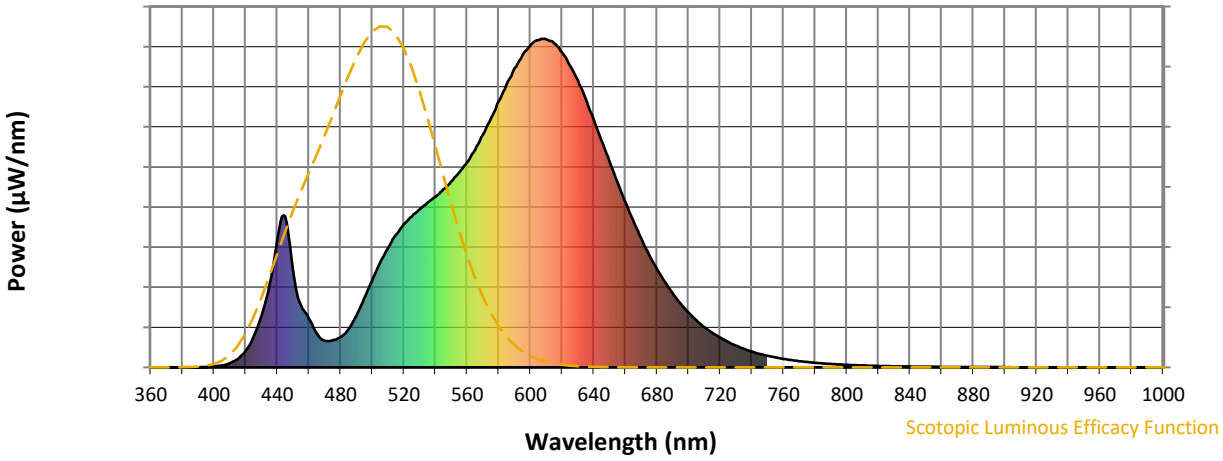


Photopic Lumens: NR

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	158	NR	620	959	NR	750	35	NR	880	1	NR
365	0	NR	495	211	NR	625	918	NR	755	30	NR	885	1	NR
370	0	NR	500	264	NR	630	873	NR	760	26	NR	890	1	NR
375	0	NR	505	318	NR	635	816	NR	765	22	NR	895	1	NR
380	0	NR	510	363	NR	640	755	NR	770	19	NR	900	1	NR
385	0	NR	515	403	NR	645	689	NR	775	16	NR	905	1	NR
390	0	NR	520	435	NR	650	626	NR	780	14	NR	910	0	NR
395	1	NR	525	459	NR	655	564	NR	785	12	NR	915	0	NR
400	3	NR	530	481	NR	660	503	NR	790	10	NR	920	0	NR
405	6	NR	535	501	NR	665	447	NR	795	9	NR	925	0	NR
410	13	NR	540	519	NR	670	392	NR	800	8	NR	930	0	NR
415	26	NR	545	542	NR	675	343	NR	805	7	NR	935	0	NR
420	51	NR	550	565	NR	680	299	NR	810	6	NR	940	0	NR
425	93	NR	555	593	NR	685	260	NR	815	5	NR	945	0	NR
430	156	NR	560	624	NR	690	225	NR	820	4	NR	950	0	NR
435	250	NR	565	662	NR	695	194	NR	825	4	NR	955	0	NR
440	391	NR	570	707	NR	700	166	NR	830	3	NR	960	0	NR
445	460	NR	575	756	NR	705	143	NR	835	3	NR	965	0	NR
450	293	NR	580	810	NR	710	122	NR	840	2	NR	970	0	NR
455	188	NR	585	860	NR	715	105	NR	845	2	NR	975	0	NR
460	149	NR	590	910	NR	720	90	NR	850	2	NR	980	0	NR
465	103	NR	595	950	NR	725	77	NR	855	2	NR	985	0	NR
470	80	NR	600	980	NR	730	66	NR	860	1	NR	990	0	NR
475	82	NR	605	995	NR	735	56	NR	865	1	NR	995	0	NR
480	92	NR	610	998	NR	740	48	NR	870	1	NR	1000	0	NR
485	116	NR	615	985	NR	745	41	NR	875	1	NR			

REPORT NUMBER: SP1-2407-184-8

Scotopic Flux vs. Wavelength

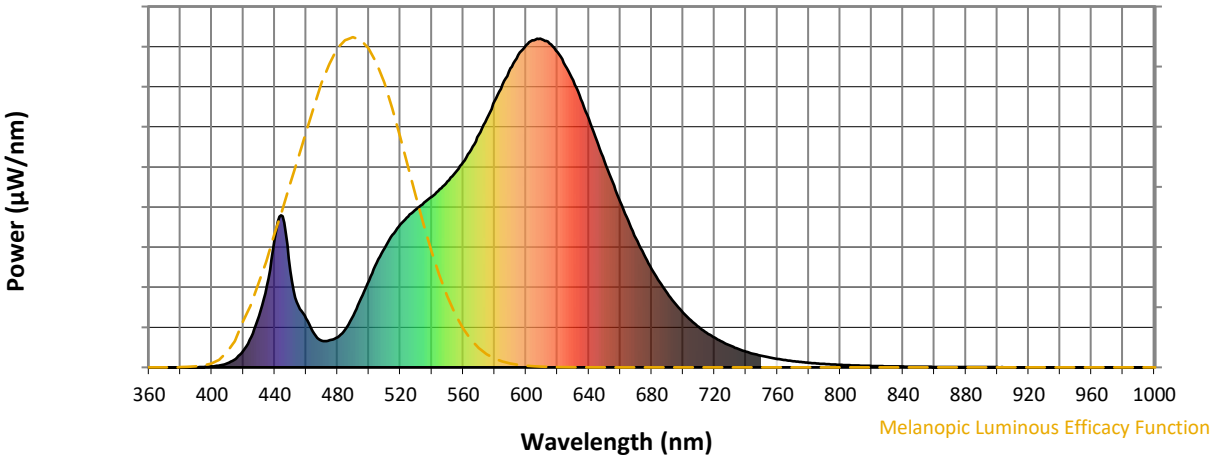


Scotopic Lumens: NR **S/P: 1.2**

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	158	NR	620	959	NR	750	35	NR	880	1	NR
365	0	NR	495	211	NR	625	918	NR	755	30	NR	885	1	NR
370	0	NR	500	264	NR	630	873	NR	760	26	NR	890	1	NR
375	0	NR	505	318	NR	635	816	NR	765	22	NR	895	1	NR
380	0	NR	510	363	NR	640	755	NR	770	19	NR	900	1	NR
385	0	NR	515	403	NR	645	689	NR	775	16	NR	905	1	NR
390	0	NR	520	435	NR	650	626	NR	780	14	NR	910	0	NR
395	1	NR	525	459	NR	655	564	NR	785	12	NR	915	0	NR
400	3	NR	530	481	NR	660	503	NR	790	10	NR	920	0	NR
405	6	NR	535	501	NR	665	447	NR	795	9	NR	925	0	NR
410	13	NR	540	519	NR	670	392	NR	800	8	NR	930	0	NR
415	26	NR	545	542	NR	675	343	NR	805	7	NR	935	0	NR
420	51	NR	550	565	NR	680	299	NR	810	6	NR	940	0	NR
425	93	NR	555	593	NR	685	260	NR	815	5	NR	945	0	NR
430	156	NR	560	624	NR	690	225	NR	820	4	NR	950	0	NR
435	250	NR	565	662	NR	695	194	NR	825	4	NR	955	0	NR
440	391	NR	570	707	NR	700	166	NR	830	3	NR	960	0	NR
445	460	NR	575	756	NR	705	143	NR	835	3	NR	965	0	NR
450	293	NR	580	810	NR	710	122	NR	840	2	NR	970	0	NR
455	188	NR	585	860	NR	715	105	NR	845	2	NR	975	0	NR
460	149	NR	590	910	NR	720	90	NR	850	2	NR	980	0	NR
465	103	NR	595	950	NR	725	77	NR	855	2	NR	985	0	NR
470	80	NR	600	980	NR	730	66	NR	860	1	NR	990	0	NR
475	82	NR	605	995	NR	735	56	NR	865	1	NR	995	0	NR
480	92	NR	610	998	NR	740	48	NR	870	1	NR	1000	0	NR
485	116	NR	615	985	NR	745	41	NR	875	1	NR			

REPORT NUMBER: SP1-2407-184-8

Melanopic Flux vs. Wavelength



Melanopic Lumens: NR **M/P: 2.16**

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	158	NR	620	959	NR	750	35	NR	880	1	NR
365	0	NR	495	211	NR	625	918	NR	755	30	NR	885	1	NR
370	0	NR	500	264	NR	630	873	NR	760	26	NR	890	1	NR
375	0	NR	505	318	NR	635	816	NR	765	22	NR	895	1	NR
380	0	NR	510	363	NR	640	755	NR	770	19	NR	900	1	NR
385	0	NR	515	403	NR	645	689	NR	775	16	NR	905	1	NR
390	0	NR	520	435	NR	650	626	NR	780	14	NR	910	0	NR
395	1	NR	525	459	NR	655	564	NR	785	12	NR	915	0	NR
400	3	NR	530	481	NR	660	503	NR	790	10	NR	920	0	NR
405	6	NR	535	501	NR	665	447	NR	795	9	NR	925	0	NR
410	13	NR	540	519	NR	670	392	NR	800	8	NR	930	0	NR
415	26	NR	545	542	NR	675	343	NR	805	7	NR	935	0	NR
420	51	NR	550	565	NR	680	299	NR	810	6	NR	940	0	NR
425	93	NR	555	593	NR	685	260	NR	815	5	NR	945	0	NR
430	156	NR	560	624	NR	690	225	NR	820	4	NR	950	0	NR
435	250	NR	565	662	NR	695	194	NR	825	4	NR	955	0	NR
440	391	NR	570	707	NR	700	166	NR	830	3	NR	960	0	NR
445	460	NR	575	756	NR	705	143	NR	835	3	NR	965	0	NR
450	293	NR	580	810	NR	710	122	NR	840	2	NR	970	0	NR
455	188	NR	585	860	NR	715	105	NR	845	2	NR	975	0	NR
460	149	NR	590	910	NR	720	90	NR	850	2	NR	980	0	NR
465	103	NR	595	950	NR	725	77	NR	855	2	NR	985	0	NR
470	80	NR	600	980	NR	730	66	NR	860	1	NR	990	0	NR
475	82	NR	605	995	NR	735	56	NR	865	1	NR	995	0	NR
480	92	NR	610	998	NR	740	48	NR	870	1	NR	1000	0	NR
485	116	NR	615	985	NR	745	41	NR	875	1	NR			

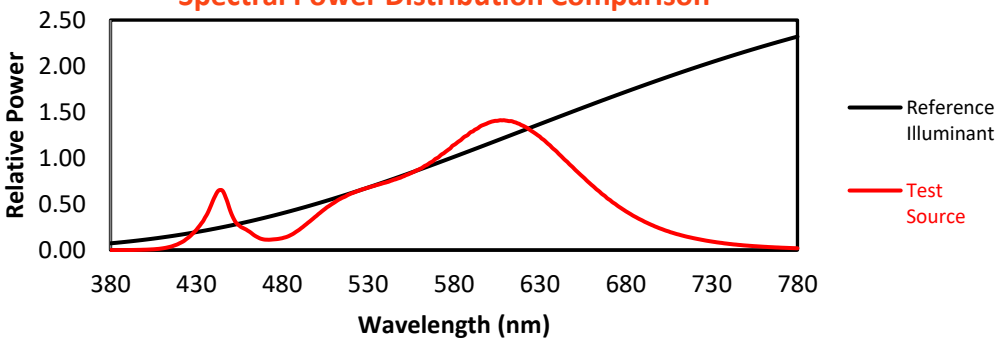
REPORT NUMBER: SP1-2407-184-8

TM-30-18

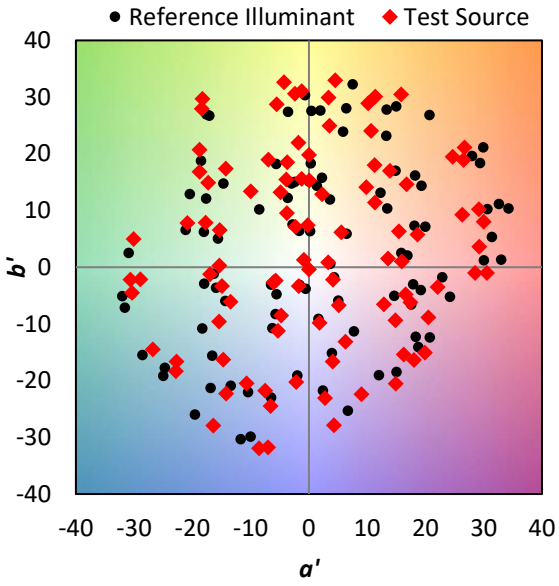
Summary

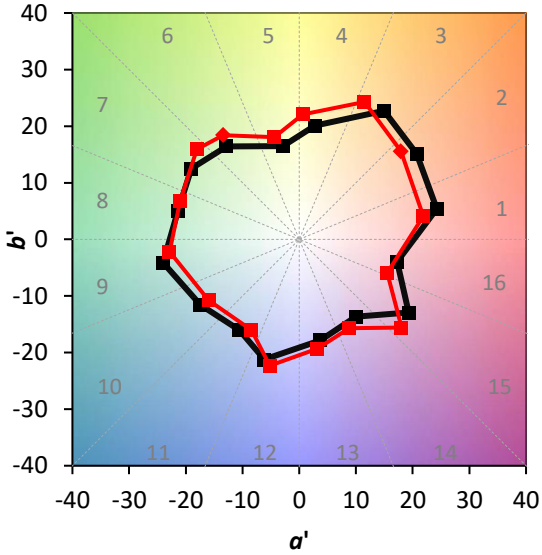
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R_g = 99.9
CIE R_a = 82.9
R_9 = 10.8

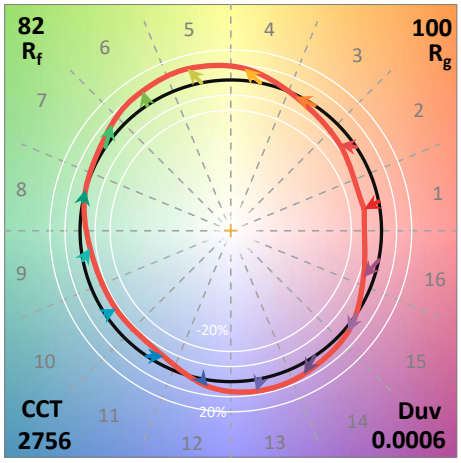
Spectral Power Distribution Comparison

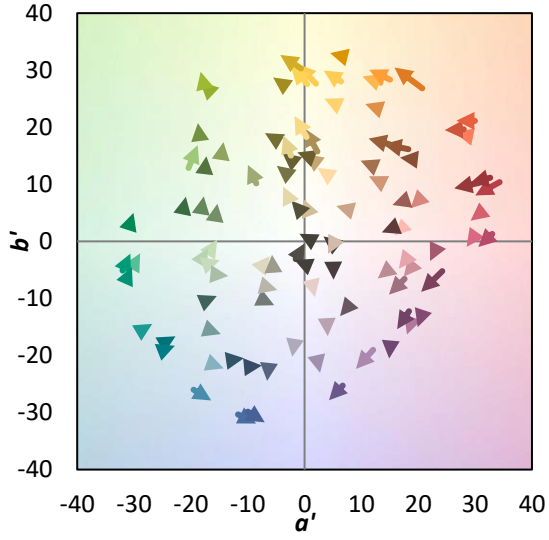


Color Vector Graphics







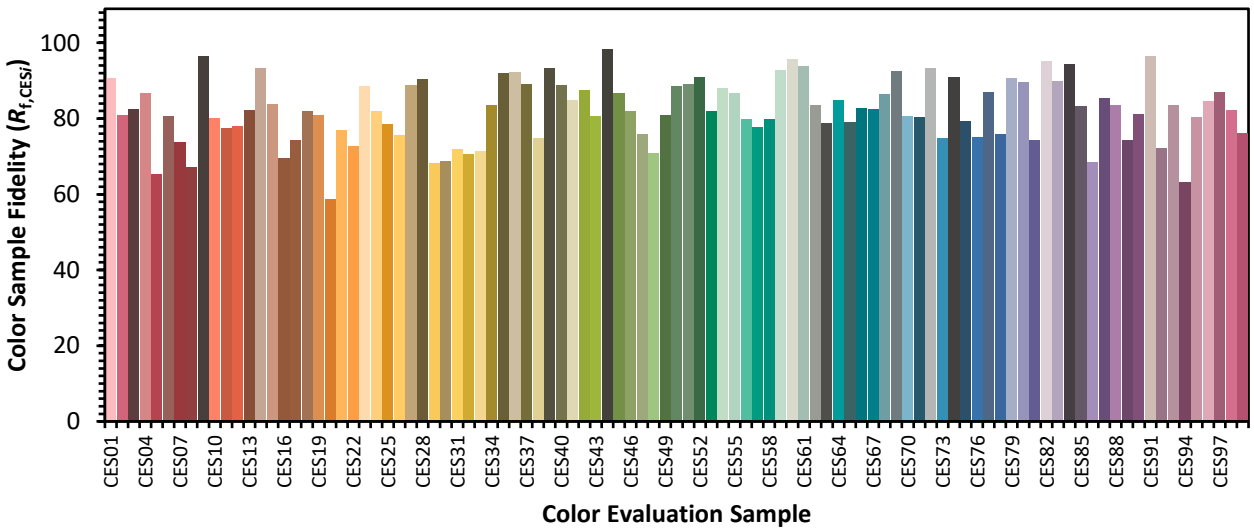


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Individual Sample Fidelity Index ($R_{f,i}$)

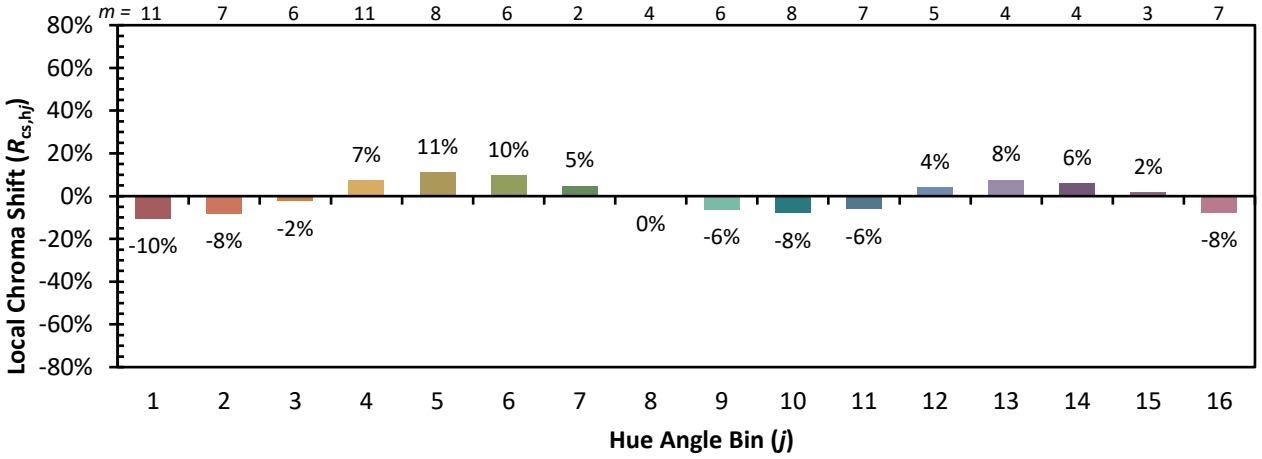
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CES02 = 63	CES27 = 89	CES52 = 91	CES77 = 87
CES03 = 31	CES28 = 90	CES53 = 82	CES78 = 76
CES04 = 71	CES29 = 68	CES54 = 88	CES79 = 91
CES05 = 50	CES30 = 69	CES55 = 87	CES80 = 90
CES06 = 52	CES31 = 72	CES56 = 80	CES81 = 74
CES07 = 43	CES32 = 71	CES57 = 78	CES82 = 95
CES08 = 42	CES33 = 71	CES58 = 80	CES83 = 90
CES09 = 29	CES34 = 84	CES59 = 93	CES84 = 94
CES10 = 77	CES35 = 92	CES60 = 96	CES85 = 83
CES11 = 59	CES36 = 92	CES61 = 94	CES86 = 69
CES12 = 66	CES37 = 89	CES62 = 84	CES87 = 85
CES13 = 44	CES38 = 75	CES63 = 79	CES88 = 84
CES14 = 74	CES39 = 93	CES64 = 85	CES89 = 74
CES15 = 72	CES40 = 89	CES65 = 79	CES90 = 81
CES16 = 48	CES41 = 85	CES66 = 83	CES91 = 96
CES17 = 50	CES42 = 88	CES67 = 82	CES92 = 72
CES18 = 57	CES43 = 81	CES68 = 86	CES93 = 84
CES19 = 73	CES44 = 98	CES69 = 92	CES94 = 63
CES20 = 67	CES45 = 87	CES70 = 81	CES95 = 80
CES21 = 87	CES46 = 82	CES71 = 81	CES96 = 85
CES22 = 79	CES47 = 76	CES72 = 93	CES97 = 87
CES23 = 92	CES48 = 71	CES73 = 75	CES98 = 82
CES24 = 91	CES49 = 81	CES74 = 91	CES99 = 76
CES25 = 72	CES50 = 88	CES75 = 79	

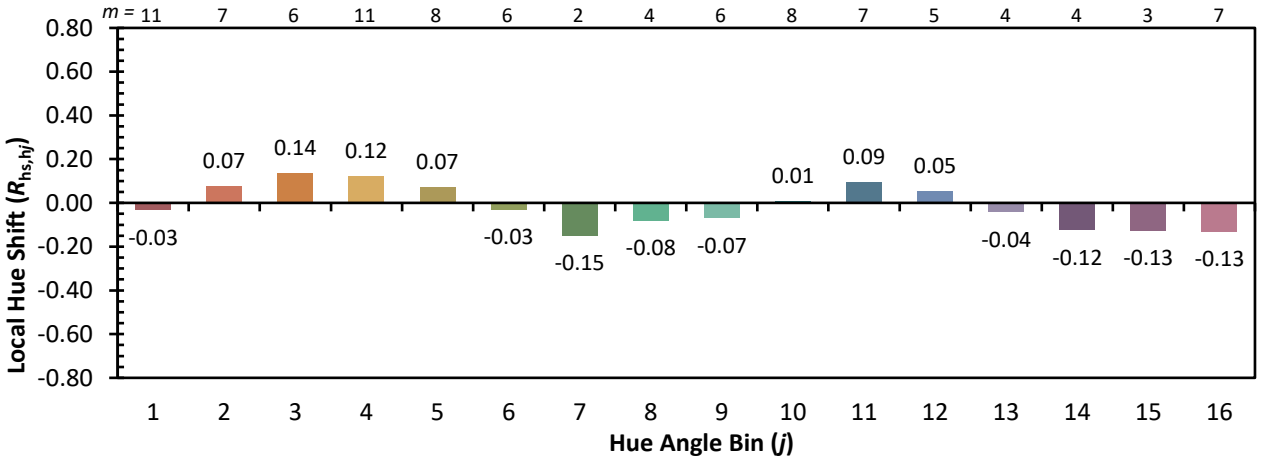


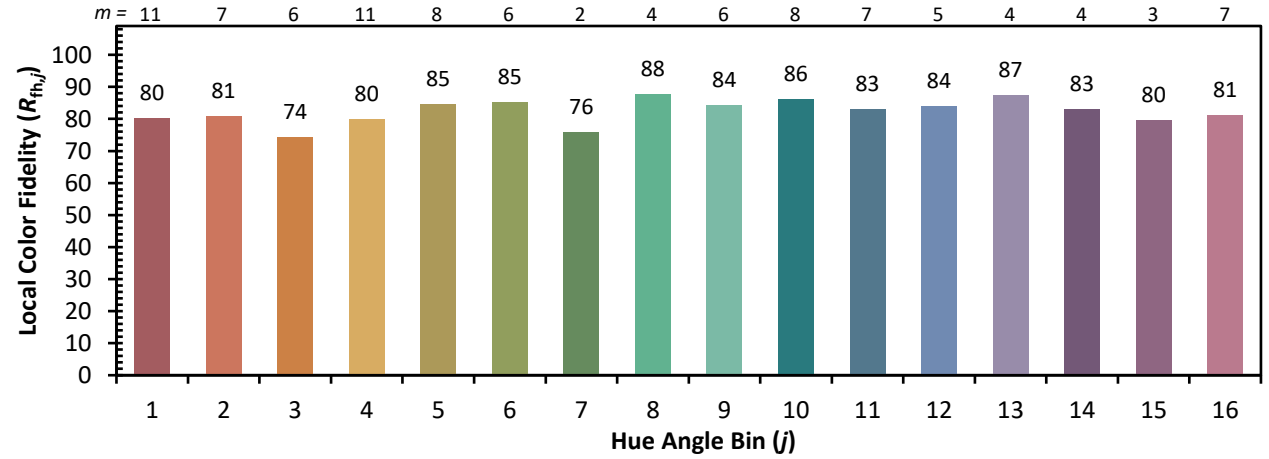
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Color Rendition by Hue-Angle Bin



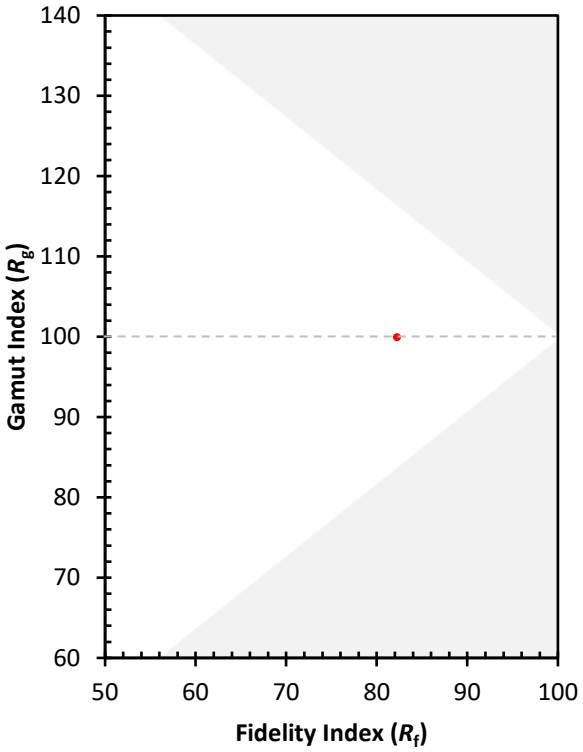


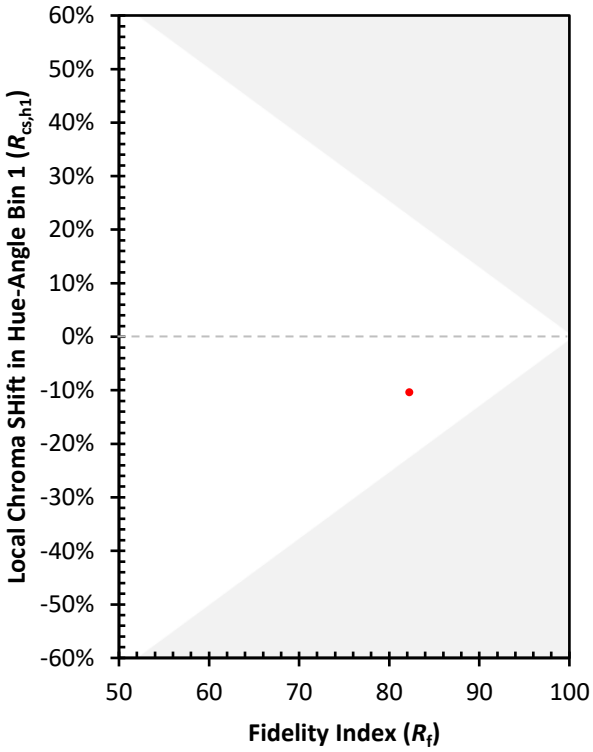


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Measure Comparisons





(END OF REPORT)