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: P1365300

Luminaire Tested: **GSS-SB2B-722-U-SLL-HSS**

Issue Date: 02/18/2026

Report Generated By 670245763

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Peachtree City, GA 30269

Scaled Data Report

Test Information

Test Method:	LM-79-08
Report Number:	P1365300
Test Lab:	INNOVATION CENTER(G1)
Issue Date:	02/18/2026
Manufacturer:	COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line:	McGRAW-EDISON
Catalog Number:	GSS-SB2B-722-U-SLL-HSS
Description:	GALLEON II SLIM SITE HIGH DENSITY LED ARRAYS 2SQUARE 74W 70CRI 2200K FIXTURE w/ 90° Spill Light Eliminator LETT OPTIC OPTIC AND HOUSE SIDE SHIELD
Light Source:	(52) 2200K CCT, 70 CRI LEDS
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	6546.6 lumens
Efficiency:	N/A
Efficacy:	88.5 lumens/watt
Luminous Opening:	Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification:	Type III - Short
BUG Rating:	B1 - U0 - G2

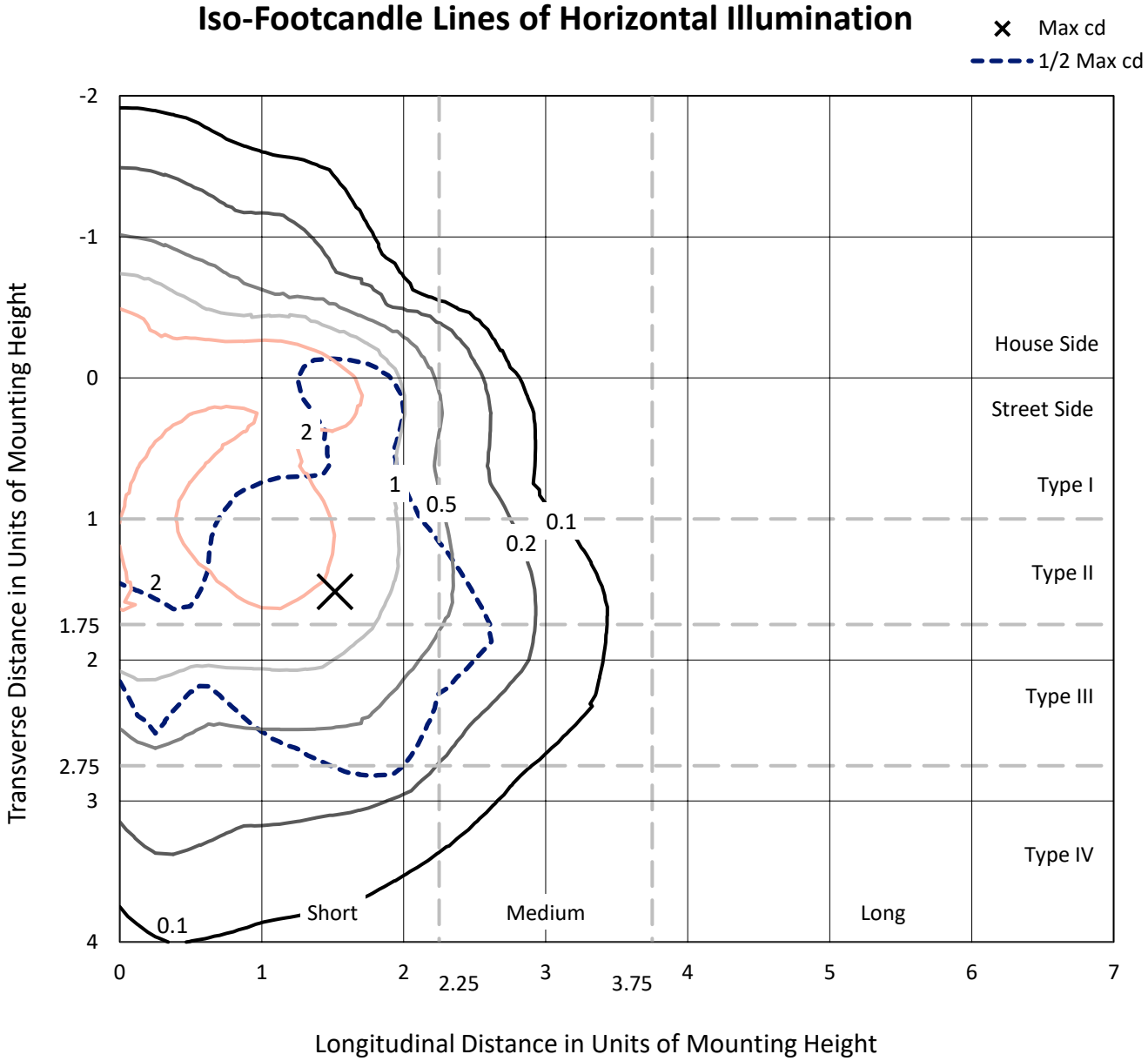
Input Watts (W):	74
Input Voltage (V):	120
Input Current (Ain):	NR
Voltage Rise (V):	NR
Power Factor:	0.98
Total Harmonic Distortion (THDi):	13.6%
Frequency (hertz):	60
Stabilization Time:	NR
Operation Time:	NR
Ambient Temperature (°C):	NR
Test Distance:	28.75 FT

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Iso-Footcandle Lines of Horizontal Illumination



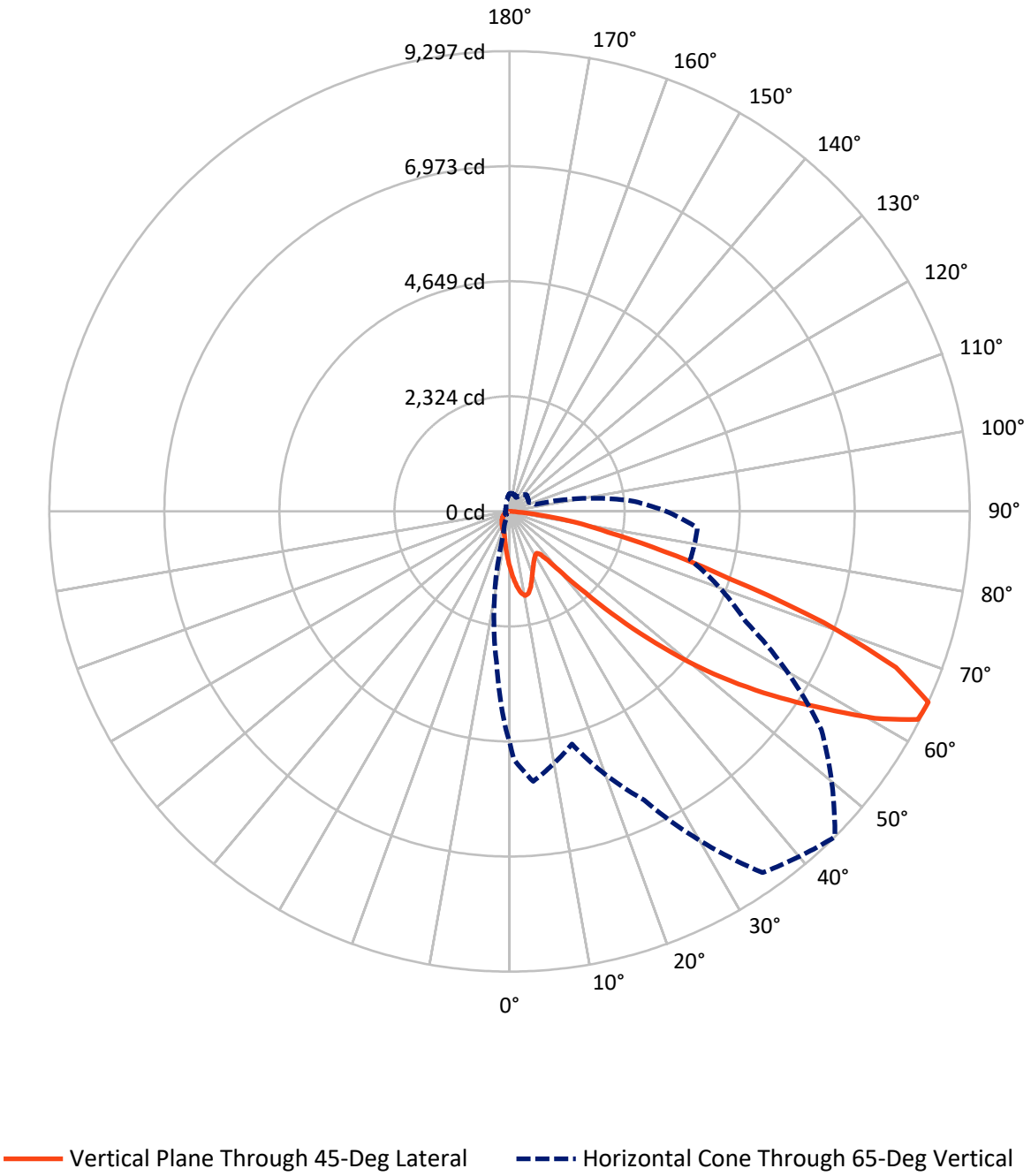
Based on 20 foot mounting height. Maximum calculated value = 4.1 fc
Type III - Short - N/A

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Luminous Intensity Polar Plot



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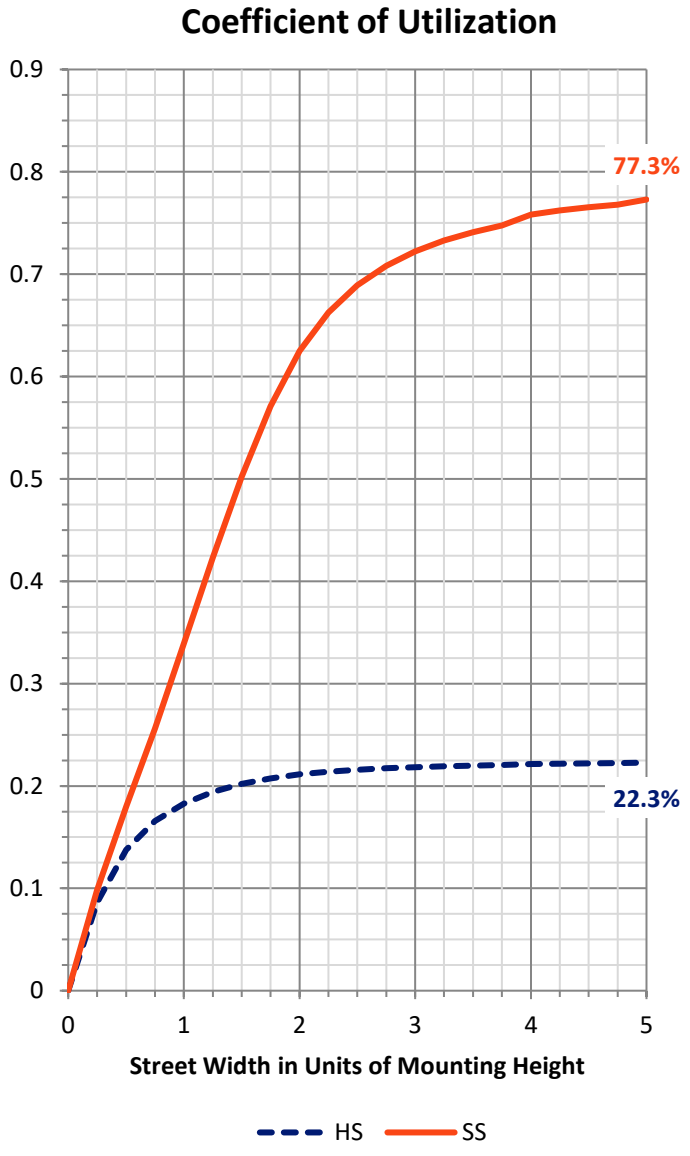
REPORT NUMBER: P1365300
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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1472.6	0.0	1472.6
	% Fixture	22.5	0.0	22.5
Street Side	Lumens	5074.0	0.0	5074.0
	% Fixture	77.5	0.0	77.5
Total	Lumens	6546.6	0.0	6546.6
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	108.7	1.7
10°-20°	300.6	4.6
20°-30°	430.6	6.6
30°-40°	540.1	8.3
40°-50°	887.2	13.6
50°-60°	1601.9	24.5
60°-70°	1778.4	27.2
70°-80°	803.9	12.3
80°-90°	95.1	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°	6546.6	100.0
0°-180°	6546.6	100.0



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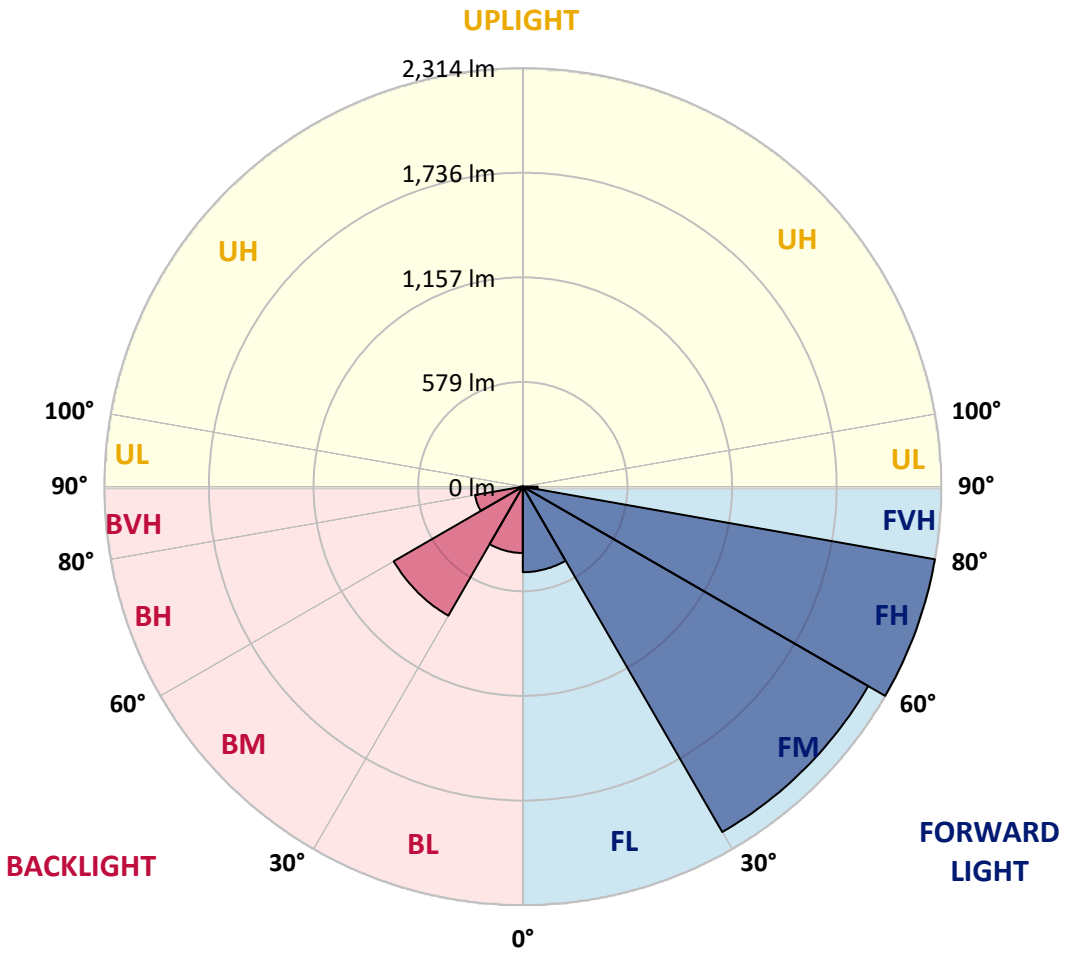
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	472.9	7.2			
FM	(30°-60°)	2205.3	33.7			
FH	(60°-80°)	2314.0	35.3			G2/5000
FVH	(80°-90°)	81.7	1.2			G1/100
BL	(0°-30°)	367.0	5.6	B1/500		
BM	(30°-60°)	824.0	12.6	B1/1000		
BH	(60°-80°)	268.2	4.1	B1/500		G1/500
BVH	(80°-90°)	13.5	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°	1131.0	1131.0	1131.0	1131.0	1131.0	1131.0	1131.0	1131.0	1131.0	1131.0	1131.0
2.5°	1245.5	1261.6	1259.6	1281.7	1301.8	1315.8	1327.9	1323.9	1313.8	1293.7	1279.7
5°	1376.1	1388.1	1408.2	1450.4	1482.6	1510.7	1506.7	1510.7	1480.6	1450.4	1414.3
7.5°	1488.6	1502.7	1530.8	1591.0	1631.2	1665.4	1661.4	1649.3	1615.2	1564.9	1510.7
10°	1558.9	1568.9	1599.1	1667.4	1713.6	1741.7	1731.7	1711.6	1667.4	1617.2	1552.9
12.5°	1589.0	1601.1	1627.2	1681.4	1711.6	1705.6	1701.5	1697.5	1675.4	1637.3	1579.0
15°	1593.1	1601.1	1621.2	1645.3	1633.2	1599.1	1591.0	1621.2	1649.3	1641.3	1593.1
17.5°	1593.1	1605.1	1609.1	1585.0	1522.7	1460.5	1452.4	1502.7	1581.0	1643.3	1615.2
20°	1599.1	1605.1	1597.1	1518.7	1402.2	1333.9	1319.8	1382.1	1498.6	1621.2	1637.3
22.5°	1607.1	1613.1	1579.0	1440.4	1303.8	1231.5	1223.4	1269.6	1406.2	1589.0	1661.4
25°	1623.2	1619.2	1566.9	1372.1	1217.4	1149.1	1137.0	1197.3	1329.9	1556.9	1701.5
27.5°	1643.3	1625.2	1550.9	1315.8	1155.1	1082.8	1074.8	1133.0	1265.6	1516.7	1735.7
30°	1669.4	1651.3	1548.9	1271.6	1108.9	1036.6	1026.5	1090.8	1221.4	1488.6	1783.9
32.5°	1705.6	1679.4	1550.9	1237.5	1082.8	1014.5	1008.5	1076.8	1203.3	1472.5	1834.1
35°	1753.8	1715.6	1558.9	1225.4	1090.8	1044.6	1058.7	1110.9	1221.4	1484.6	1916.5
37.5°	1814.0	1777.9	1599.1	1251.5	1179.2	1211.4	1247.5	1267.6	1307.8	1540.8	2049.1
40°	1914.5	1864.3	1659.3	1335.9	1416.3	1566.9	1637.3	1629.2	1536.8	1669.4	2235.9
42.5°	2055.1	2008.9	1781.9	1550.9	1812.0	2131.4	2250.0	2181.7	1902.4	1874.3	2543.3
45°	2270.1	2193.7	1946.6	1870.3	2290.1	2814.5	3081.6	2846.6	2366.5	2197.7	2981.2
47.5°	2545.3	2468.9	2203.8	2189.7	2824.5	3658.2	3975.6	3513.6	2826.5	2621.6	3505.5
50°	2987.2	2902.9	2581.4	2515.1	3415.1	4499.9	4923.8	4178.5	3294.6	3071.6	4152.4
52.5°	3593.9	3537.7	3180.1	2850.6	3943.5	5428.0	5793.7	4873.6	3656.2	3585.9	4857.5
55°	4439.7	4385.4	3959.5	3224.3	4443.7	6358.2	6653.5	5506.4	3971.6	4188.5	5594.8
57.5°	5397.9	5488.3	5026.3	3722.5	4970.0	7107.5	7519.3	6080.9	4397.5	4994.1	6414.4
60°	6022.7	6307.9	6249.7	4592.3	5787.6	8039.6	8487.6	6850.3	5020.2	5586.7	6396.3
62.5°	5480.3	5765.5	6211.5	5600.8	6575.1	8883.3	9261.0	7659.9	5639.0	5114.7	5371.8
65°	4650.6	5006.2	5476.3	4865.5	6436.5	8909.5	9297.2	7690.1	5261.3	3780.7	3808.9
67.5°	4007.7	4323.1	4901.7	4140.3	5705.3	8113.9	8419.3	6860.4	4349.3	2507.1	2485.0
70°	3344.8	3634.1	4365.3	3686.3	4998.1	6993.0	6729.8	5767.5	3676.3	1665.4	1380.1
72.5°	2850.6	3117.8	3879.2	3312.7	3965.6	5667.1	4638.5	4785.2	2991.2	1058.7	940.2
75°	2358.4	2603.5	3298.6	2999.3	3280.5	3535.7	3206.2	3399.1	2464.9	898.0	725.2
77.5°	1655.3	1808.0	2314.2	2386.6	2553.3	2093.3	2033.0	2380.5	1753.8	446.0	305.4
80°	815.6	910.0	1207.3	1420.3	1207.3	1187.3	1354.0	1585.0	910.0	273.2	168.7
82.5°	365.6	433.9	556.5	859.8	435.9	474.1	598.7	843.7	413.8	162.7	72.3
85°	58.3	64.3	108.5	144.6	118.5	182.8	174.8	164.7	88.4	44.2	20.1
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°	1131.0	1131.0	1131.0	1131.0	1131.0	1131.0	1131.0	1131.0	1131.0	1131.0	1131.0
2.5°	1275.6	1269.6	1239.5	1209.4	1183.2	1157.1	1131.0	1094.8	1066.7	1042.6	1032.6
5°	1396.2	1364.0	1317.8	1267.6	1223.4	1173.2	1125.0	1070.7	1026.5	980.3	956.2
7.5°	1478.5	1446.4	1370.1	1293.7	1239.5	1185.2	1135.0	1074.8	1016.5	950.2	914.0
10°	1516.7	1480.6	1398.2	1309.8	1243.5	1189.3	1143.1	1092.8	1034.6	952.2	904.0
12.5°	1542.8	1498.6	1404.2	1313.8	1247.5	1191.3	1147.1	1110.9	1076.8	996.4	940.2
15°	1558.9	1518.7	1420.3	1315.8	1241.5	1175.2	1133.0	1121.0	1127.0	1088.8	1020.5
17.5°	1583.0	1544.8	1440.4	1327.9	1231.5	1141.1	1094.8	1121.0	1175.2	1187.3	1133.0
20°	1615.2	1575.0	1466.5	1337.9	1201.3	1076.8	1032.6	1098.9	1189.3	1251.5	1221.4
22.5°	1651.3	1619.2	1496.6	1348.0	1157.1	992.4	972.3	1052.7	1149.1	1229.4	1231.5
25°	1695.5	1665.4	1538.8	1358.0	1096.9	920.1	924.1	992.4	1068.7	1151.1	1165.2
27.5°	1755.8	1727.7	1591.0	1370.1	1034.6	861.8	881.9	932.1	984.4	1034.6	1054.7
30°	1822.1	1800.0	1653.3	1394.2	976.3	827.7	839.7	873.9	916.1	946.2	956.2
32.5°	1912.5	1876.3	1711.6	1392.2	932.1	811.6	799.5	809.6	843.7	873.9	875.9
35°	2025.0	1996.8	1771.8	1356.0	892.0	803.6	761.4	755.3	775.4	805.6	803.6
37.5°	2189.7	2165.6	1870.3	1299.8	841.7	783.5	721.2	701.1	715.2	735.3	741.3
40°	2436.8	2374.5	1982.8	1237.5	791.5	747.3	673.0	644.9	654.9	677.0	681.0
42.5°	2772.3	2653.8	2133.4	1153.1	743.3	693.1	624.8	594.6	600.7	620.7	624.8
45°	3202.2	3023.4	2340.4	1064.7	705.1	636.8	574.5	542.4	548.4	570.5	580.6
47.5°	3704.4	3459.3	2557.3	970.3	683.0	592.6	524.3	500.2	514.3	536.4	540.4
50°	4297.0	4049.9	2695.9	894.0	669.0	558.5	478.1	468.1	486.2	504.2	508.3
52.5°	4943.9	4592.3	2607.5	831.7	656.9	546.4	446.0	450.0	464.1	482.1	488.2
55°	5572.7	4791.2	2314.2	751.3	642.8	554.5	421.9	431.9	450.0	464.1	468.1
57.5°	5982.5	4624.5	1864.3	667.0	626.8	560.5	409.8	417.9	437.9	454.0	456.0
60°	5624.9	4258.9	1396.2	594.6	592.6	550.4	405.8	393.7	421.9	435.9	437.9
62.5°	4608.4	3483.4	892.0	526.3	528.3	528.3	403.8	353.6	389.7	401.8	399.8
65°	*3166.0*	*2462.9*	*552.4*	*429.9*	*450.0*	*480.1*	*391.7*	*311.4*	*353.6*	*365.6*	*361.6*
67.5°	2081.2	1564.9	341.5	331.5	369.6	415.8	367.6	279.2	317.4	325.4	313.4
70°	1129.0	737.3	225.0	217.0	289.3	327.5	311.4	251.1	283.3	291.3	279.2
72.5°	745.3	423.9	158.7	158.7	227.0	229.0	255.1	225.0	251.1	259.1	247.1
75°	560.5	273.2	110.5	122.5	144.6	178.8	182.8	188.8	212.9	223.0	210.9
77.5°	257.1	100.4	66.3	90.4	100.4	136.6	116.5	140.6	158.7	162.7	152.7
80°	148.7	56.2	44.2	58.3	64.3	112.5	68.3	84.4	112.5	118.5	106.5
82.5°	62.3	28.1	30.1	36.2	38.2	62.3	48.2	54.2	74.3	72.3	64.3
85°	18.1	18.1	20.1	22.1	22.1	36.2	34.2	32.1	34.2	34.2	28.1
87.5°	12.1	12.1	12.1	14.1	14.1	16.1	18.1	20.1	20.1	20.1	18.1
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°	1131.0	1131.0	1131.0	1131.0	1131.0	1131.0	1131.0	1131.0	1131.0	1131.0	1131.0
2.5°	1018.5	1000.4	974.3	970.3	956.2	946.2	956.2	966.3	984.4	986.4	994.4
5°	934.1	892.0	859.8	823.6	805.6	803.6	799.5	811.6	837.7	853.8	865.8
7.5°	877.9	801.5	745.3	695.1	677.0	662.9	675.0	673.0	707.1	721.2	733.2
10°	847.8	741.3	656.9	594.6	570.5	556.5	554.5	558.5	578.6	592.6	606.7
12.5°	867.8	717.2	592.6	520.3	494.2	478.1	464.1	464.1	468.1	486.2	492.2
15°	934.1	731.2	562.5	484.1	450.0	423.9	405.8	391.7	393.7	395.8	401.8
17.5°	1030.6	767.4	552.4	462.0	425.9	393.7	375.7	359.6	355.6	355.6	353.6
20°	1123.0	795.5	544.4	444.0	397.8	369.6	353.6	339.5	333.5	333.5	333.5
22.5°	1161.1	819.6	534.4	421.9	369.6	343.5	329.5	319.4	317.4	317.4	315.4
25°	1131.0	811.6	522.3	399.8	343.5	323.4	311.4	301.3	299.3	301.3	299.3
27.5°	1036.6	783.5	506.2	381.7	323.4	305.4	295.3	285.3	283.3	285.3	285.3
30°	936.1	735.3	480.1	367.6	307.4	287.3	277.2	267.2	267.2	269.2	271.2
32.5°	855.8	687.0	450.0	349.5	289.3	271.2	261.2	251.1	251.1	255.1	255.1
35°	787.5	648.9	419.9	331.5	273.2	253.1	245.1	237.0	235.0	239.1	241.1
37.5°	733.2	614.7	387.7	313.4	257.1	239.1	231.0	221.0	219.0	223.0	227.0
40°	677.0	576.6	359.6	291.3	241.1	223.0	215.0	202.9	202.9	206.9	210.9
42.5°	622.8	542.4	341.5	271.2	225.0	204.9	196.9	186.8	186.8	190.8	194.9
45°	578.6	510.3	331.5	251.1	206.9	188.8	178.8	170.8	172.8	176.8	180.8
47.5°	536.4	476.1	333.5	241.1	194.9	170.8	160.7	154.7	158.7	164.7	168.7
50°	504.2	452.0	335.5	225.0	178.8	156.7	146.6	142.6	148.7	154.7	158.7
52.5°	484.1	427.9	323.4	204.9	166.7	142.6	136.6	136.6	142.6	146.6	150.7
55°	464.1	387.7	297.3	182.8	154.7	132.6	128.6	128.6	134.6	138.6	140.6
57.5°	448.0	345.5	267.2	164.7	140.6	122.5	122.5	122.5	124.6	126.6	130.6
60°	417.9	301.3	229.0	150.7	126.6	114.5	112.5	112.5	110.5	112.5	118.5
62.5°	365.6	253.1	194.9	134.6	114.5	104.5	102.5	96.4	90.4	92.4	96.4
65°	*309.4*	*200.9*	*162.7*	*116.5*	*98.4*	*92.4*	*90.4*	*80.4*	*72.3*	*74.3*	*80.4*
67.5°	247.1	150.7	136.6	100.4	84.4	78.3	78.3	72.3	66.3	66.3	70.3
70°	192.9	126.6	102.5	80.4	66.3	66.3	70.3	64.3	56.2	56.2	62.3
72.5°	156.7	102.5	82.4	62.3	52.2	56.2	58.3	52.2	46.2	46.2	50.2
75°	122.5	80.4	64.3	46.2	40.2	42.2	46.2	42.2	36.2	38.2	40.2
77.5°	84.4	54.2	42.2	34.2	30.1	32.1	32.1	30.1	28.1	28.1	30.1
80°	56.2	36.2	28.1	24.1	22.1	22.1	20.1	20.1	22.1	22.1	24.1
82.5°	40.2	26.1	22.1	18.1	14.1	14.1	16.1	16.1	18.1	18.1	20.1
85°	24.1	18.1	16.1	12.1	10.0	12.1	12.1	14.1	16.1	16.1	18.1
87.5°	18.1	14.1	12.1	10.0	8.0	8.0	10.0	10.0	12.1	14.1	14.1
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: P1365300
CATALOG NUMBER: GSS-SB2B-722-U-SLL-HSS

CANDELA DISTRIBUTION (continued):

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	1131.0	1131.0	1131.0	1131.0	1131.0	1131.0	1131.0	1131.0	1131.0	1131.0
2.5°	1014.5	1038.6	1072.8	1102.9	1139.0	1175.2	1209.4	1241.5	1243.5	1245.5
5°	904.0	952.2	1008.5	1076.8	1149.1	1219.4	1293.7	1354.0	1368.1	1376.1
7.5°	781.5	851.8	938.2	1034.6	1143.1	1251.5	1356.0	1446.4	1480.6	1488.6
10°	652.9	739.3	843.7	968.3	1114.9	1259.6	1400.2	1510.7	1550.9	1558.9
12.5°	538.4	608.7	729.2	879.9	1056.7	1247.5	1416.3	1538.8	1579.0	1589.0
15°	439.9	506.2	618.7	777.4	976.3	1205.3	1404.2	1544.8	1585.0	1593.1
17.5°	363.6	405.8	508.3	681.0	904.0	1151.1	1388.1	1548.9	1587.0	1593.1
20°	333.5	341.5	395.8	564.5	827.7	1110.9	1378.1	1554.9	1593.1	1599.1
22.5°	319.4	319.4	331.5	429.9	721.2	1068.7	1374.1	1573.0	1601.1	1607.1
25°	305.4	305.4	309.4	337.5	594.6	1016.5	1382.1	1605.1	1623.2	1623.2
27.5°	291.3	291.3	295.3	301.3	442.0	930.1	1384.1	1641.3	1649.3	1643.3
30°	277.2	281.2	281.2	285.3	325.4	821.6	1372.1	1681.4	1681.4	1669.4
32.5°	263.2	265.2	269.2	271.2	283.3	681.0	1352.0	1731.7	1721.6	1705.6
35°	251.1	253.1	253.1	257.1	269.2	544.4	1329.9	1800.0	1771.8	1753.8
37.5°	235.0	237.0	239.1	243.1	255.1	431.9	1297.7	1858.2	1838.1	1814.0
40°	221.0	223.0	225.0	229.0	241.1	371.6	1257.6	1946.6	1942.6	1914.5
42.5°	204.9	208.9	210.9	212.9	229.0	339.5	1229.4	2089.3	2089.3	2055.1
45°	190.8	194.9	194.9	198.9	221.0	311.4	1291.7	2286.1	2302.2	2270.1
47.5°	178.8	180.8	180.8	182.8	208.9	287.3	1458.5	2587.5	2567.4	2545.3
50°	166.7	170.8	166.7	168.7	198.9	301.3	1733.7	2973.2	3025.4	2987.2
52.5°	158.7	160.7	152.7	152.7	184.8	319.4	1958.7	3465.3	3640.1	3593.9
55°	148.7	150.7	140.6	140.6	162.7	277.2	1972.7	4025.8	4409.5	4439.7
57.5°	138.6	138.6	130.6	128.6	140.6	225.0	1749.7	4459.8	5329.6	5397.9
60°	126.6	124.6	120.5	116.5	128.6	206.9	1333.9	4401.5	5785.6	6022.7
62.5°	108.5	112.5	110.5	102.5	116.5	192.9	869.9	3808.9	5271.3	5480.3
65°	*90.4*	*96.4*	*96.4*	*90.4*	*128.6*	*168.7*	*458.0*	*3049.5*	*4399.5*	*4650.6*
67.5°	80.4	84.4	82.4	78.3	114.5	106.5	221.0	2338.4	3766.7	4007.7
70°	70.3	74.3	68.3	64.3	92.4	76.3	130.6	1564.9	3109.8	3344.8
72.5°	58.3	62.3	56.2	50.2	68.3	58.3	86.4	1018.5	2589.5	2850.6
75°	48.2	50.2	46.2	40.2	50.2	46.2	60.3	664.9	2165.6	2358.4
77.5°	34.2	38.2	36.2	30.1	36.2	32.1	42.2	379.7	1510.7	1655.3
80°	26.1	26.1	26.1	24.1	22.1	22.1	28.1	170.8	733.2	815.6
82.5°	22.1	22.1	20.1	18.1	16.1	14.1	16.1	50.2	345.5	365.6
85°	20.1	16.1	14.1	12.1	10.0	6.0	6.0	14.1	70.3	58.3
87.5°	12.1	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: SP1-2407-184-2

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

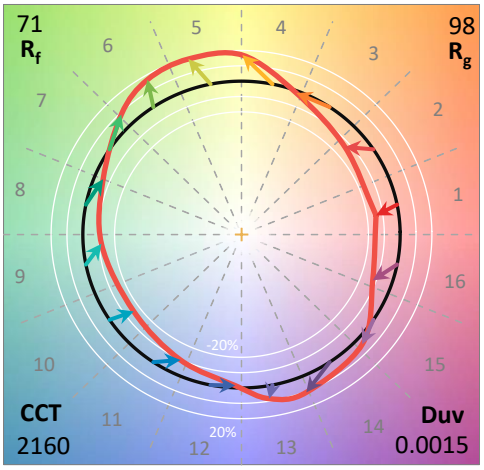
Test Information

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

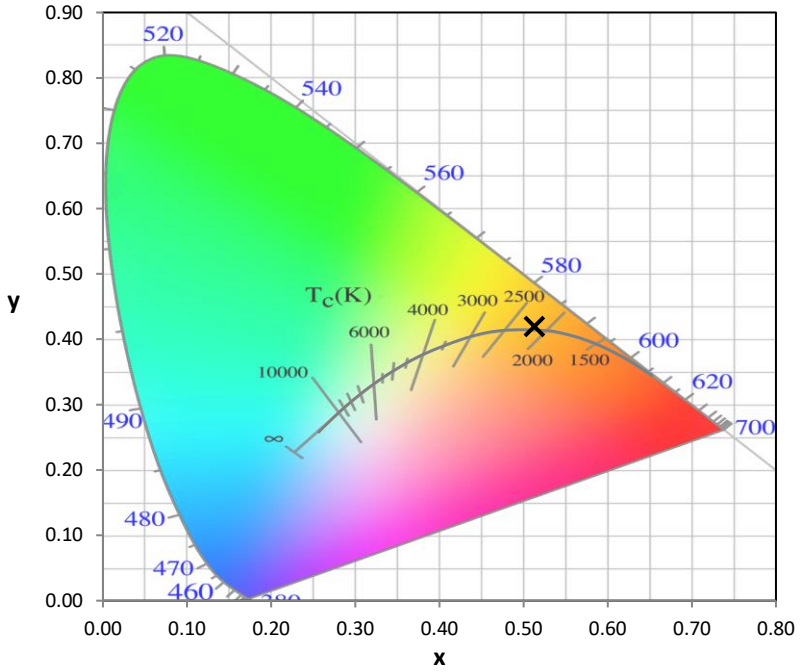
Stabilization Time:	21M
Operation Time:	1H 21M
Sphere Temperature (°C):	25.2

REPORT NUMBER: SP1-2407-184-2

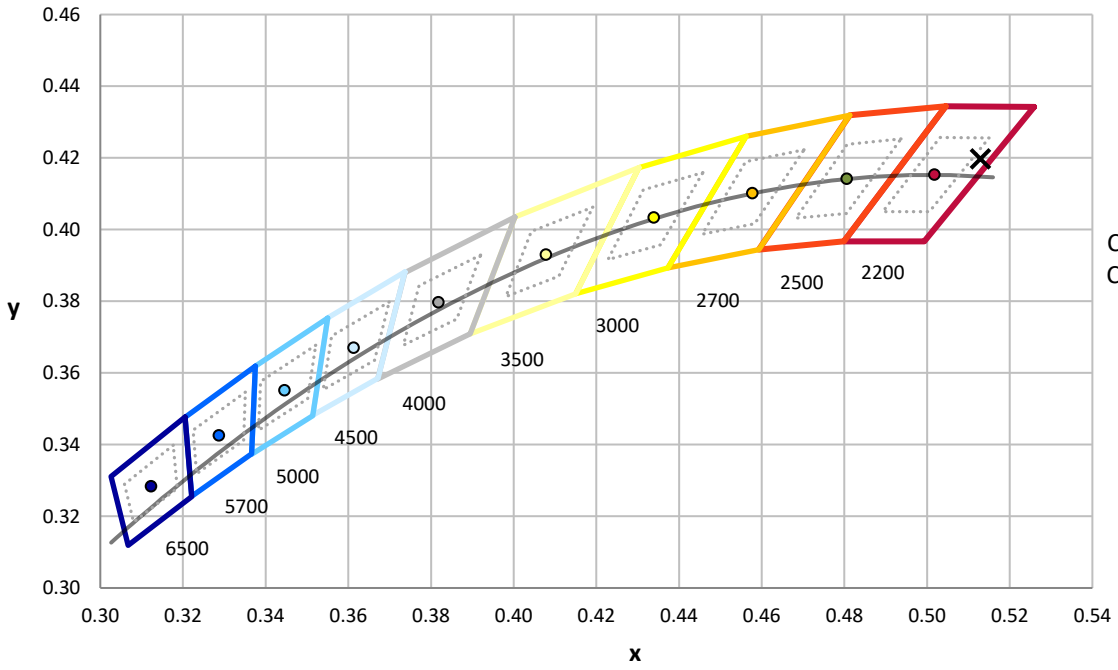
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

REPORT NUMBER: SP1-2407-184-2

CIE 1931 Chromaticity Diagram



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

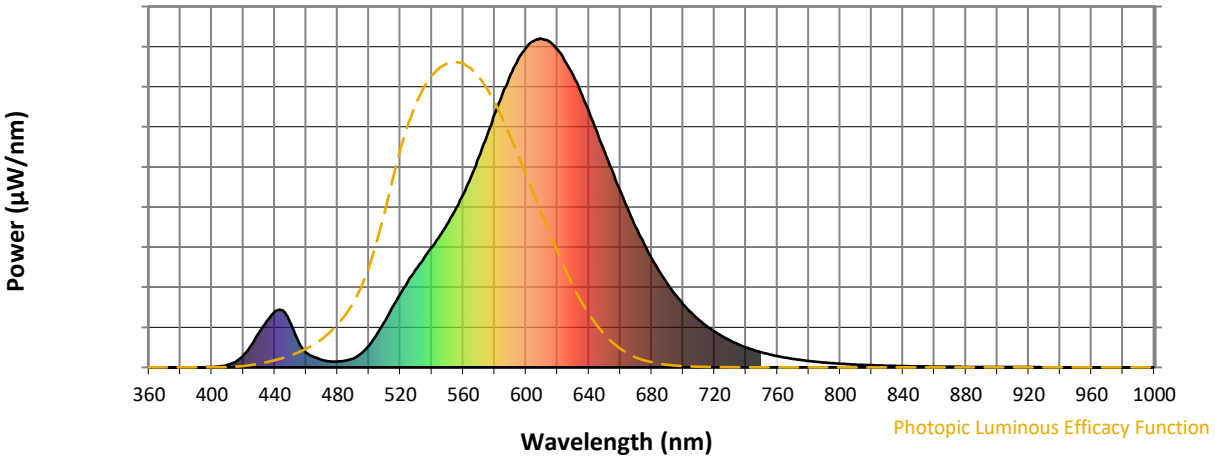


CCT = 2160K
CIE x = 0.5130
CIE y = 0.4197
Duv = 0.0015

Point lies inside the ANSI 2200K 7-step quadrangle

REPORT NUMBER: SP1-2407-184-2

Photopic Flux vs. Wavelength

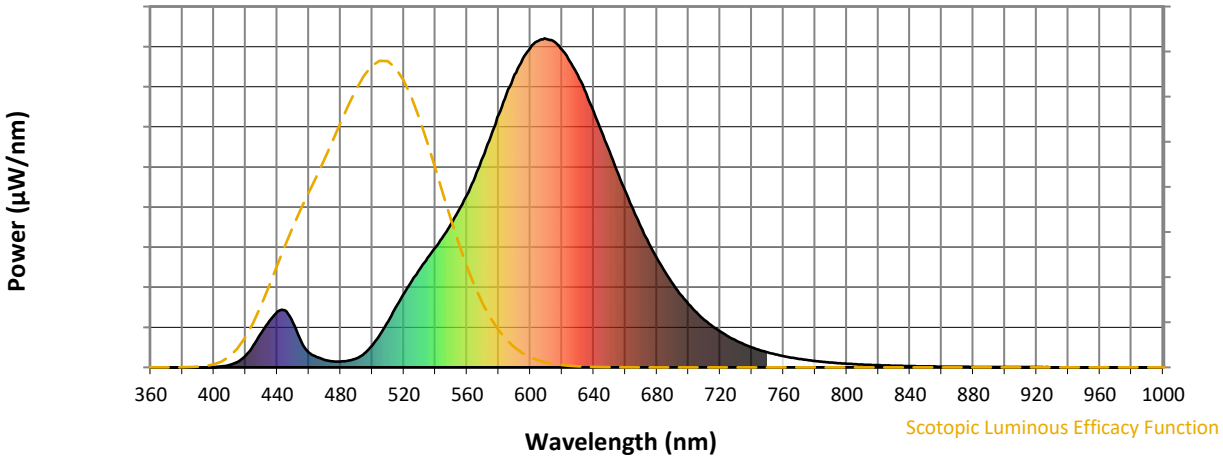


Photopic Lumens: NR

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

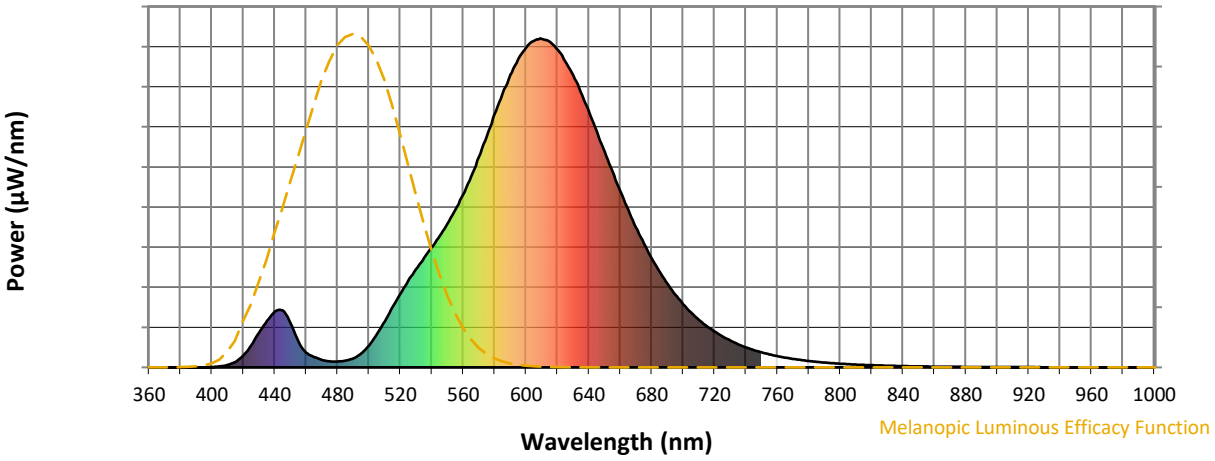


Scotopic Lumens: NR **S/P: 0.8**

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			

REPORT NUMBER: SP1-2407-184-2

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			

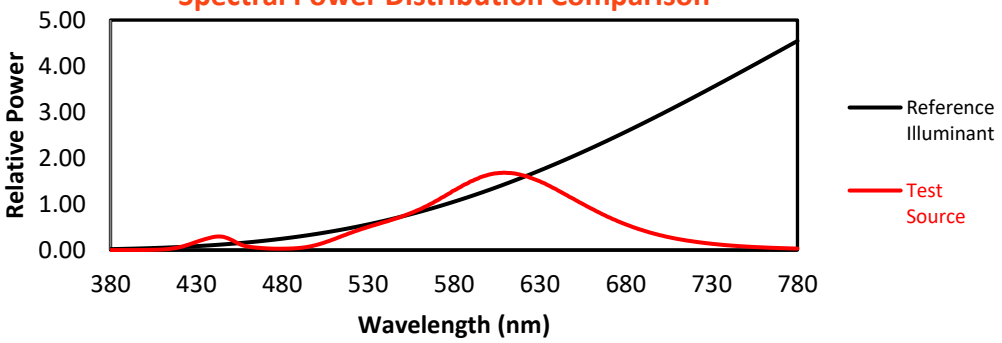
REPORT NUMBER: SP1-2407-184-2

TM-30-18

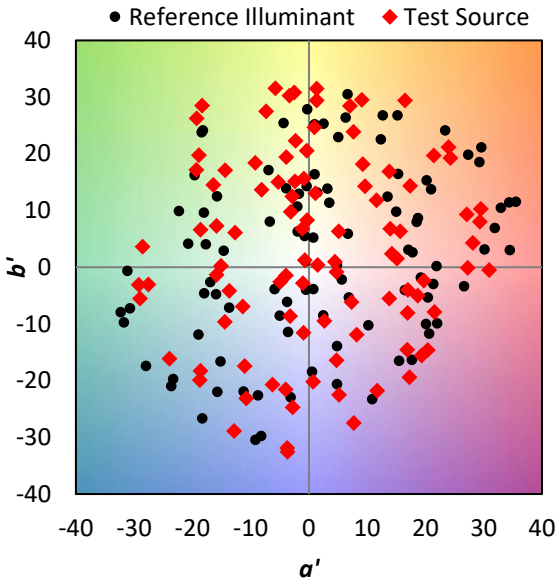
Summary

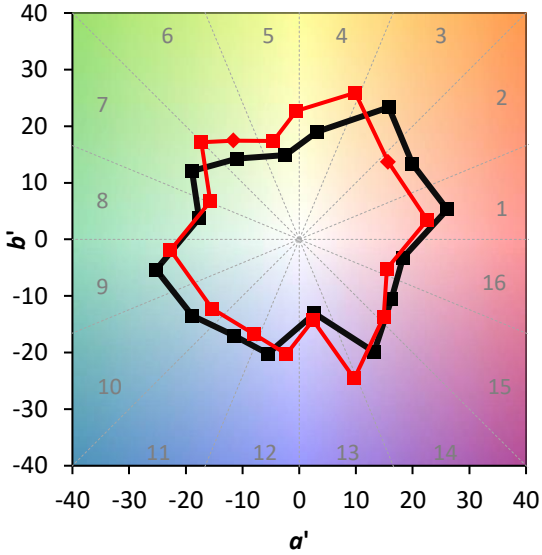
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R_g = 97.6
CIE R_a = 71.9
R_9 = -17.8

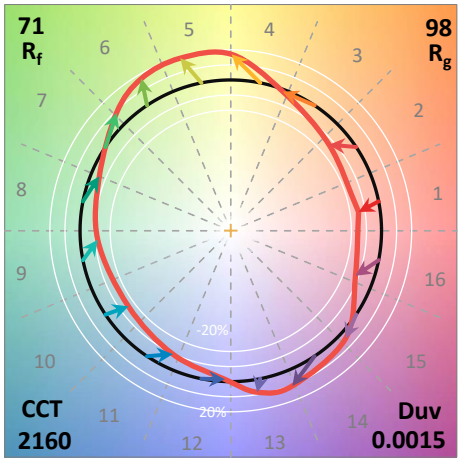
Spectral Power Distribution Comparison

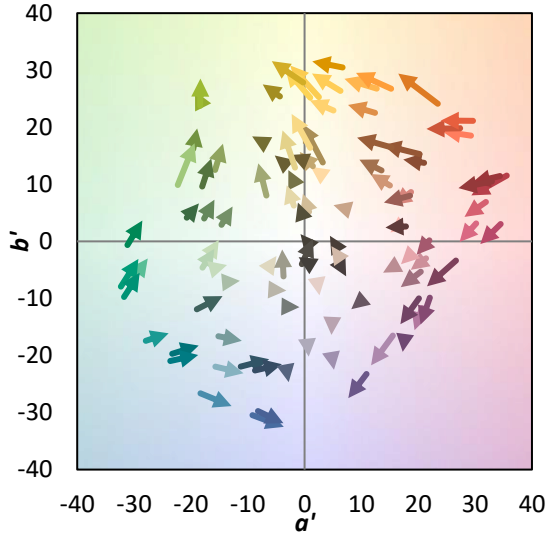


Color Vector Graphics







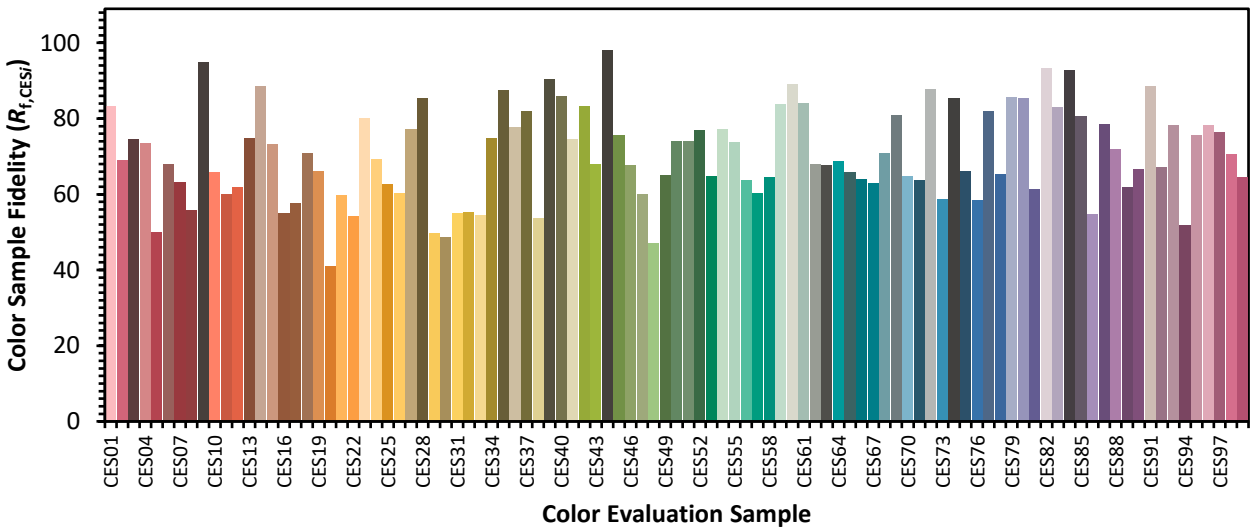


REPORT NUMBER: SP1-2407-184-2

TM-30-18

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

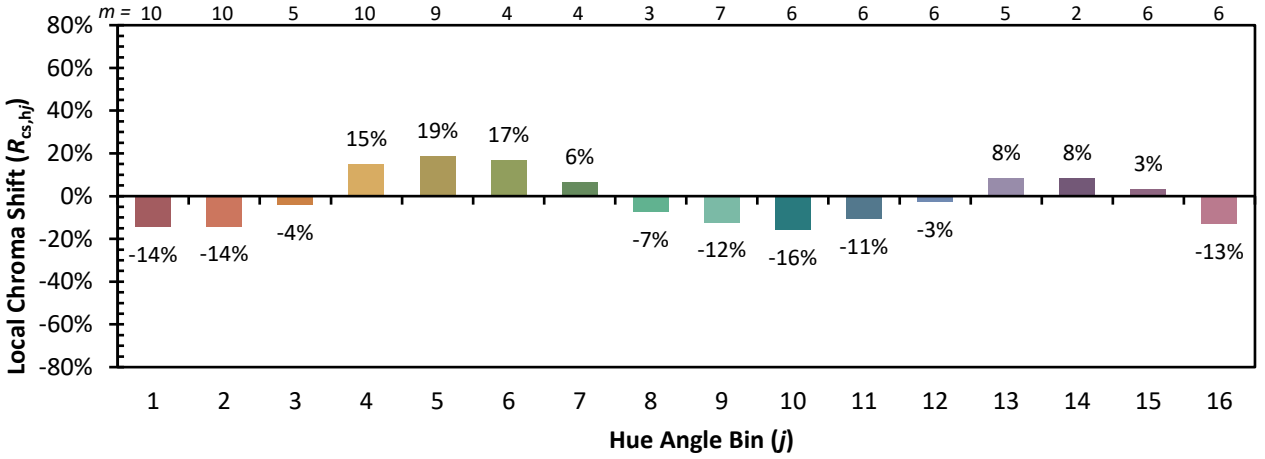
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CES02 = 65	CES27 = 77	CES52 = 77	CES77 = 82
CES03 = 32	CES28 = 85	CES53 = 65	CES78 = 65
CES04 = 72	CES29 = 50	CES54 = 77	CES79 = 86
CES05 = 52	CES30 = 49	CES55 = 74	CES80 = 85
CES06 = 53	CES31 = 55	CES56 = 64	CES81 = 61
CES07 = 44	CES32 = 55	CES57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

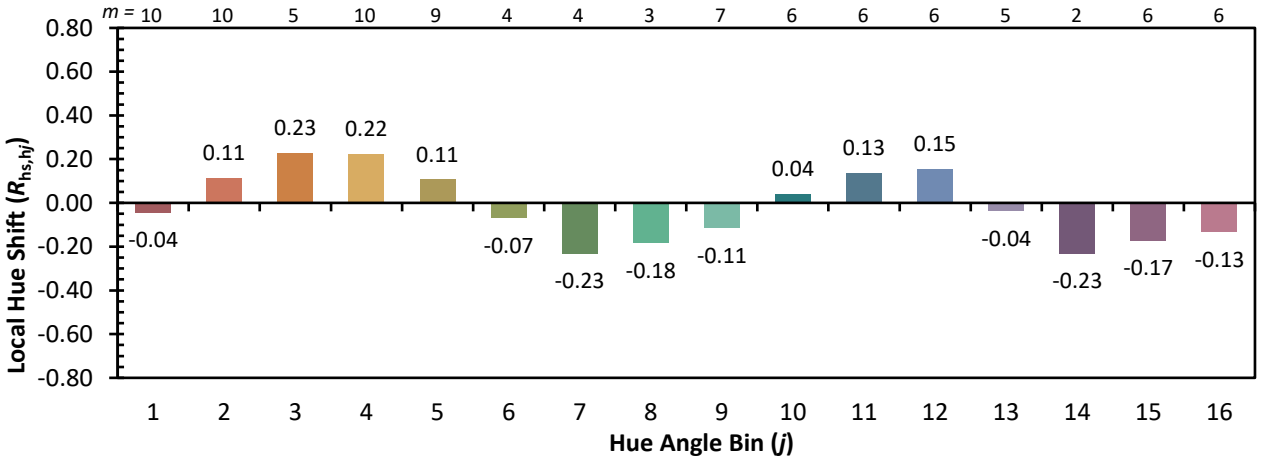


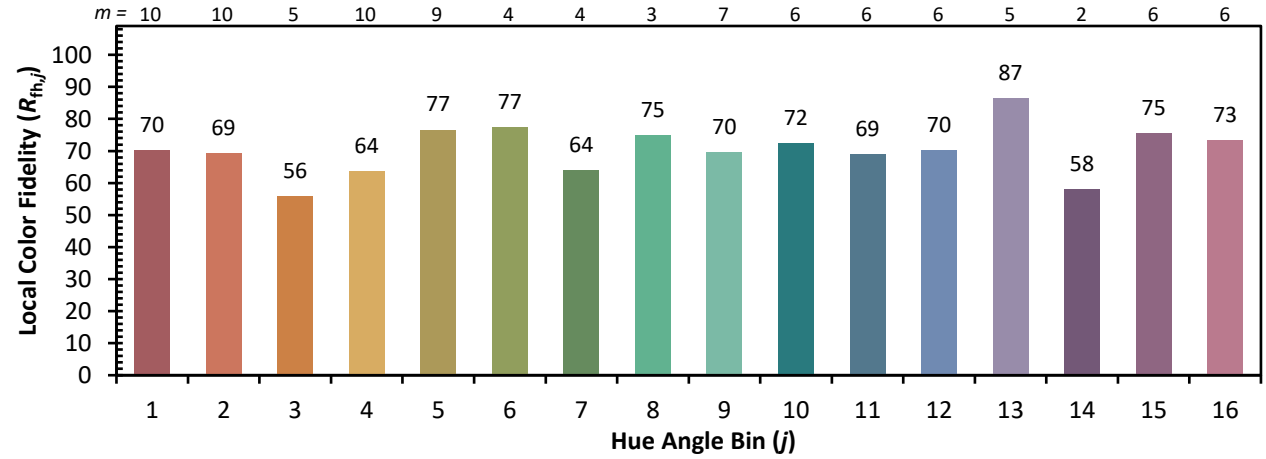
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Color Rendition by Hue-Angle Bin



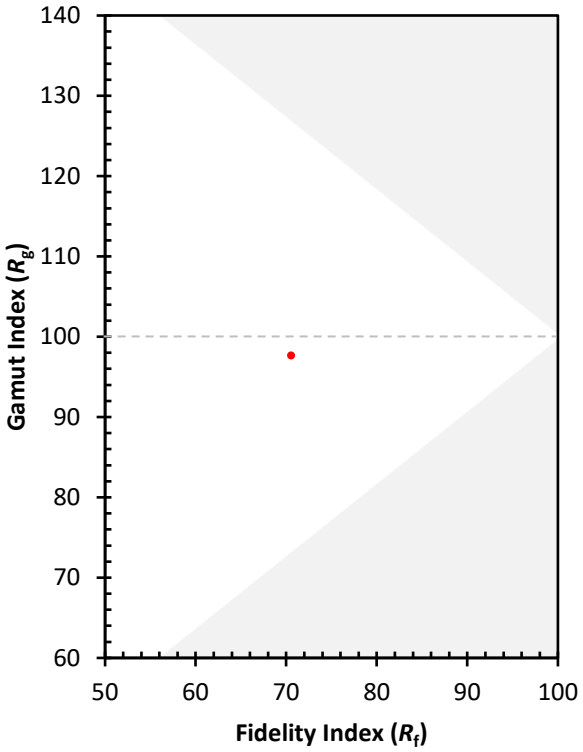


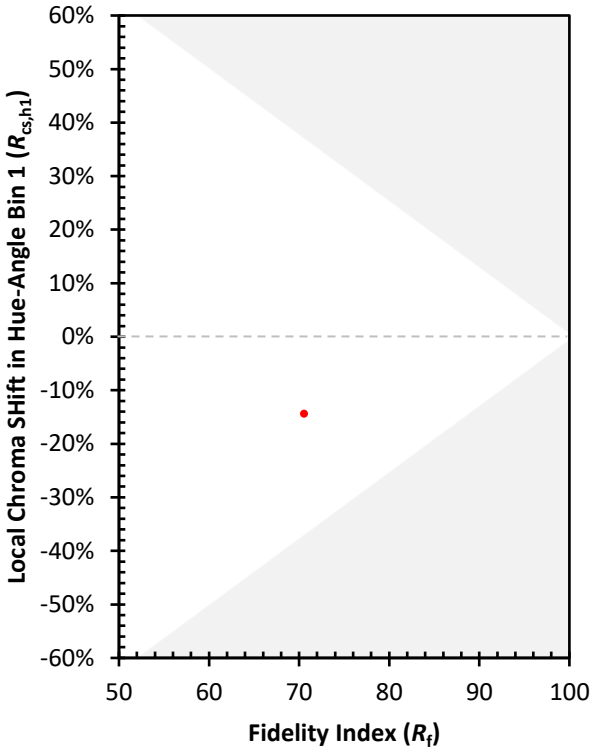


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Measure Comparisons





(END OF REPORT)