

Signify Classified - Internal  
Cooper Lighting Solutions Photometric Lab  
1121 Highway 74 South  
Peachtree City, GA 30269



Scaled data based on original data using  
LM-79-2019 Approved Method: Electrical and Photometric Measurements of Solid-  
State Lighting Products

Test Report Prepared for  
Cooper Lighting Solutions

Brand: CORELITE

Report Number: P958984

Luminaire Tested: CB2-B-085U-055D-840-1D-UNV-STD-W-4

Issue Date: 2/12/2025

**Test Information**

Test Method: LM-79-2019  
Report Number: P958984  
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-119-1, G2-2312-242-18)  
Test Lab: INNOVATION CENTER  
Issue Date: 2/12/2025  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: CORELITE  
Catalog Number: CB2-B-085U-055D-840-1D-UNV-STD-W-4  
Description: CORELITE BASIC SLOT LED LUMINAIRE, BATWING UPLIGHT  
2-INCH APERTURE  
DOWNLIGHT 550 LUMENS PER FOOT  
UPLIGHT 850 LUMENS PER FOOT  
Light Source: 4000K CCT, 80 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

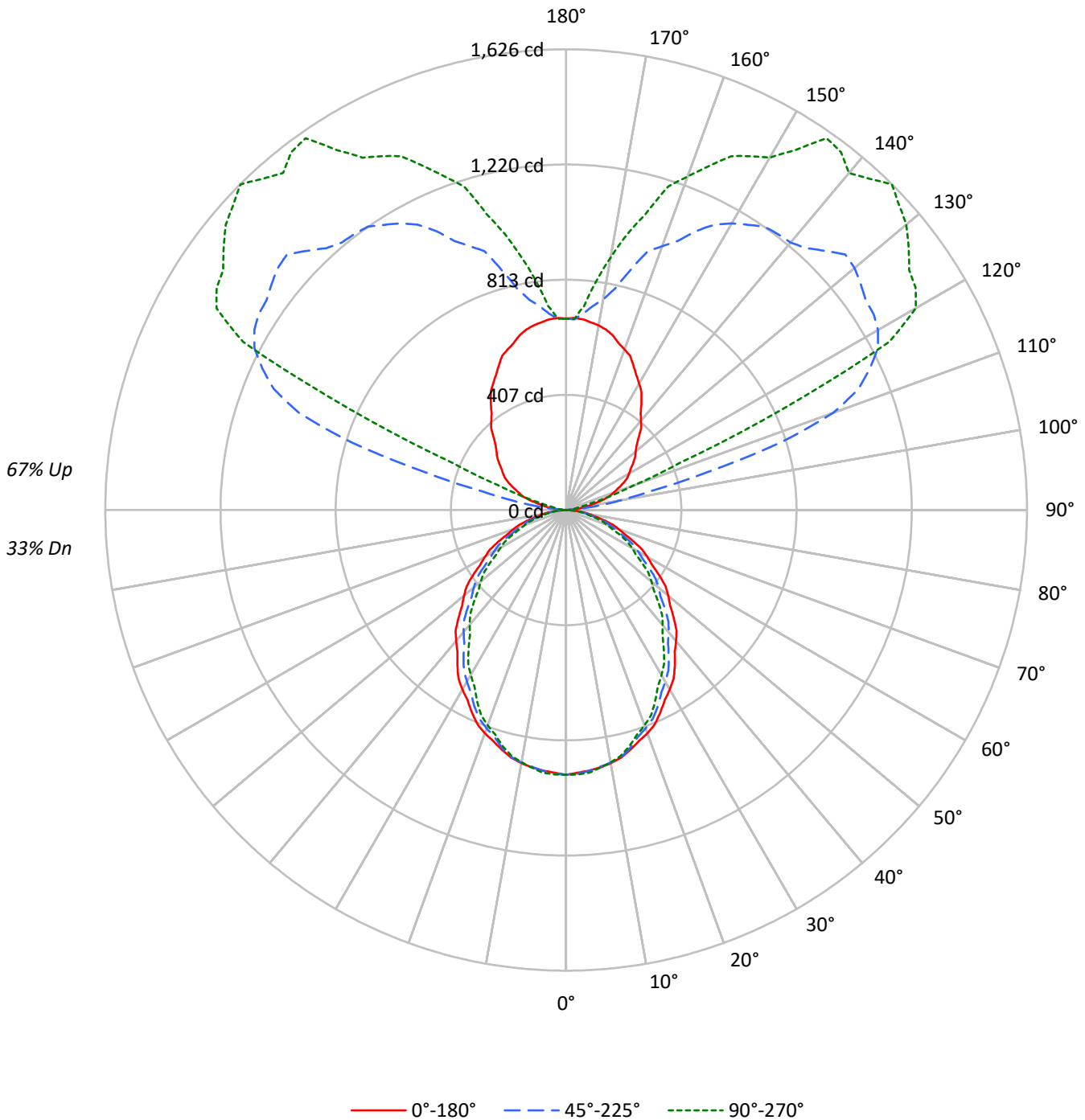
Lumens per Lamp: N/A  
Luminaire Lumens: 6620.0 lumens  
Efficiency: N/A  
Efficacy: 154.0 lumens/watt  
Spacing Criteria (0/90/45): 1.17 / 1.09 / 1.24  
Luminous Opening: Rectangular (W 0.15' x L: 4' x H: 0')  
CIE Type: Semi-Indirect

Input Watts (W): 43  
Input Voltage (V): 120  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



TEST NUMBER: P958984  
CATALOG NUMBER: CB2-B-085U-055D-840-1D-UNV-STD-W-4

### Luminous Intensity Polar Plot





TEST NUMBER: P958984

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**COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:**

RF	20				20				20				20				20				20
RC	80				70				50				30				10				0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	0
RCR																					
0	103	103	103	103	93	93	93	93	74	74	74	56	56	56	40	40	40	40	40	40	33
1	94	90	86	83	85	81	78	75	65	63	61	50	48	47	36	35	34	36	35	34	28
2	86	79	73	68	77	71	66	62	57	53	50	44	42	39	32	30	29	32	30	29	24
3	78	69	62	57	70	63	57	52	50	46	42	39	36	34	28	26	25	28	26	25	20
4	72	61	54	48	64	55	49	44	45	40	36	35	31	29	25	23	22	25	23	22	17
5	66	54	47	41	59	49	43	38	40	35	31	31	28	25	23	21	19	23	21	19	15
6	60	49	41	35	54	44	38	33	36	31	27	28	25	22	21	18	17	21	18	17	13
7	56	44	36	31	50	40	33	29	33	28	24	26	22	19	19	17	15	19	17	15	12
8	52	40	32	27	47	36	30	25	30	25	21	23	20	17	17	15	13	17	15	13	11
9	48	36	29	24	43	33	27	22	27	22	19	21	18	15	16	14	12	16	14	12	10
10	45	33	26	22	40	30	24	20	25	20	17	20	16	14	15	13	11	15	13	11	9

**AVERAGE LUMINANCE (cd/sqm):**

	0°	45°	90°
0°	16277	16277	16277
5°	16139	16164	16276
10°	16047	16009	15997
15°	15792	15689	15561
20°	15544	15199	14988
25°	15126	14700	14289
30°	14708	14060	13527
35°	14225	13404	12764
40°	13715	12787	12039
45°	13200	12143	11333
50°	12738	11516	10644
55°	12168	10865	9997
60°	11516	10245	9346
65°	10823	9553	8700
70°	10058	8779	7873
75°	9152	7948	7127
80°	8185	6961	6459
85°	6295	5715	4716

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 13200 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	87.9	1.3
10°-20°	245.0	3.7
20°-30°	352.2	5.3
30°-40°	395.9	6.0
40°-50°	382.4	5.8
50°-60°	323.1	4.9
60°-70°	232.1	3.5
70°-80°	126.9	1.9
80°-90°	33.7	0.5
90°-100°	50.6	0.8
100°-110°	313.6	4.7
110°-120°	790.8	11.9
120°-130°	950.7	14.4
130°-140°	861.9	13.0
140°-150°	687.3	10.4
150°-160°	468.8	7.1
160°-170°	248.0	3.7
170°-180°	69.0	1.0
0°-30°	685.1	10.3
0°-40°	1081.0	16.3
0°-60°	1786.5	27.0
0°-90°	2179.2	32.9
90°-120°	1155.1	17.4
90°-150°	3655.0	55.2
90°-180°	4441.0	67.1
0°-180°	6620.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	934	934	934	934	934	
5°	923	936	924	925	931	88
15°	876	884	870	862	863	247
25°	787	788	765	748	744	362
35°	669	661	630	606	600	418
45°	536	525	493	467	460	414
55°	401	386	358	336	329	358
65°	263	253	232	215	211	260
75°	136	128	118	109	106	145
85°	32	29	29	25	24	37
90°	0	0	0	0	0	2
95°	26	66	20	15	15	33
105°	128	359	518	130	87	135
115°	221	489	1183	1101	839	217
125°	288	593	1290	1468	1477	258
135°	361	658	1293	1514	1626	281
145°	463	691	1221	1471	1602	290
155°	562	705	1087	1310	1378	259
165°	638	698	877	1032	1081	179
175°	676	684	696	708	722	64
180°	676	676	676	676	676	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	934.5	934.5	934.5	934.5	934.5
2.5°	928.2	939.4	931.1	932.3	933.9
5°	923.1	935.7	924.5	924.6	930.9
7.5°	916.5	928.4	914.3	911.7	917.6
10°	907.3	919.2	905.2	900.3	904.5
12.5°	895.3	906.6	893.2	885.4	889.0
15°	875.8	883.5	870.1	861.6	863.0
17.5°	854.7	859.4	840.1	832.9	831.5
20°	838.6	842.8	820.0	810.0	808.6
22.5°	818.0	821.7	797.7	785.3	783.4
25°	787.1	787.8	764.9	747.7	743.5
27.5°	754.8	752.5	727.1	706.7	701.2
30°	731.3	728.5	699.1	677.5	672.6
32.5°	706.1	701.1	671.6	648.3	643.4
35°	669.0	661.3	630.4	605.9	600.3
37.5°	629.5	620.9	590.5	563.9	557.6
40°	603.2	593.4	562.4	535.8	529.5
42.5°	576.9	566.0	534.4	507.7	500.9
45°	535.9	524.8	493.0	467.1	460.1
47.5°	497.0	482.8	451.9	426.2	419.2
50°	470.1	454.7	425.0	399.8	392.8
52.5°	442.6	426.7	398.1	374.1	367.1
55°	400.7	386.0	357.8	335.5	329.2
57.5°	359.2	345.1	319.3	298.0	291.8
60°	330.6	318.7	294.1	273.9	268.3
62.5°	303.1	292.3	268.9	250.5	244.9
65°	262.6	252.8	231.8	215.3	211.1
67.5°	223.3	213.5	196.5	181.6	176.9
70°	197.5	187.7	172.4	158.8	154.6
72.5°	172.9	162.5	150.1	137.6	134.5
75°	136.0	127.6	118.1	108.7	105.9
77.5°	103.3	95.2	88.3	81.7	81.0
80°	81.6	74.6	69.4	65.1	64.4
82.5°	61.0	55.6	52.2	49.1	48.9
85°	31.5	29.4	28.6	25.0	23.6
87.5°	9.2	9.2	8.0	6.9	6.9
90°	0.0	0.0	0.0	0.0	0.0
92.5°	7.0	11.5	4.7	4.7	4.7
95°	26.2	66.1	20.4	14.6	14.6
97.5°	54.8	158.4	110.1	29.6	25.6
100°	75.7	229.6	189.4	43.5	35.0
102.5°	96.7	291.5	298.9	69.0	53.6
105°	128.2	358.9	518.5	130.1	87.4
107.5°	159.1	402.9	794.7	268.5	162.0
110°	177.7	428.4	1002.1	418.6	250.5

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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	196.3	453.8	1116.3	671.0	432.3
115°	221.4	489.1	1182.7	1101.0	839.0
117.5°	242.4	521.5	1239.8	1361.6	1284.7
120°	256.4	546.9	1270.1	1398.9	1424.5
122.5°	270.3	565.4	1286.4	1413.4	1461.8
125°	288.4	593.2	1290.5	1468.4	1476.9
127.5°	306.5	614.1	1309.7	1519.0	1523.0
130°	320.4	628.1	1328.4	1535.9	1567.2
132.5°	336.8	639.8	1335.4	1545.6	1592.9
135°	361.2	657.5	1293.4	1514.4	1625.5
137.5°	392.1	670.1	1253.2	1513.5	1585.3
140°	410.7	672.8	1232.2	1547.0	1552.7
142.5°	431.7	680.1	1227.6	1543.3	1592.3
145°	463.2	691.1	1220.6	1471.2	1602.2
147.5°	494.6	698.0	1193.8	1391.6	1506.1
150°	515.6	700.8	1168.2	1364.9	1436.2
152.5°	536.6	703.5	1135.5	1348.4	1408.2
155°	562.2	704.6	1086.6	1309.5	1377.9
157.5°	589.0	701.3	1027.7	1238.6	1313.2
160°	603.0	697.0	990.5	1187.1	1252.6
162.5°	617.0	695.0	957.8	1119.8	1196.7
165°	638.0	697.8	876.8	1032.3	1080.8
167.5°	652.0	695.2	801.1	928.5	996.9
170°	661.3	695.5	754.5	849.0	906.0
172.5°	668.3	684.2	726.5	776.3	815.1
175°	675.8	684.4	696.2	708.2	722.4
177.5°	678.2	682.7	673.5	671.3	675.8
180°	675.8	675.8	675.8	675.8	675.8

LM-79-2019: Approved Method: Electrical and Photometric Measurements of Solid-State Lighting Products

Report Prepared for

Cooper Lighting Solutions

CORELITE

Report Number: SP1-2312-242-3

Test Date: 01/31/2024

Luminaire Tested: CB2-055U055D-840-1D-UNV-STD-D-W-4

Data in this report applies to families of products including CB2-055U055D-840-1D-UNV-STD-D-W-4.



**Test Information**

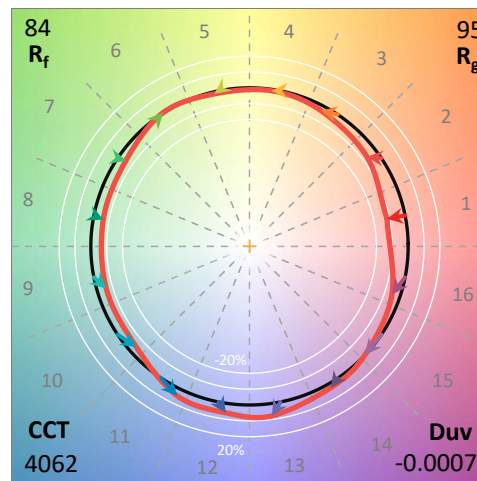
Test Method: LM-79-2019  
 Report Number: SP1-2312-242-3  
 Test Lab: COOPER LIGHTING SOLUTIONS  
 Photometer: SP1 - 76IN SPHERE  
 Measurement Geometry: 4π  
 Issue Date: 01/31/2024  
 Manufacturer: COOPER LIGHTING SOLUTIONS  
 Product Line: CORELITE  
 Catalog Number: **CB2-055U055D-840-1D-UNV-STD-D-W-4**  
 Description: CORELITE BASIC 2-INCH SUSPENDED LED LUMINAIRE. 550 LUMENS PER FOOT UPLIGHT, 550 LUMENS PER FOOT DOWNLIGHT

UPLIGHT, 550 LUMENS PER FOOT DOWNLIGHT

**Spectral Parameters**

CCT (K): 4062  
 CIE u': 0.2244  
 CIE v': 0.4995  
 Duv: -0.0007  
 CIE x: 0.3772  
 CIE y: 0.3732  
 CIE z: 0.2496  
 Peak Wavelength (nm): 452  
 Dominant Wavelength (nm): 579  
 Purity: 25.3  
 R<sub>f</sub>: 84.1  
 R<sub>g</sub>: 94.8

CRI (Ra):	84.1		
R1:	82.9	R9:	12.5
R2:	91.3	R10:	78.9
R3:	95.7	R11:	81.5
R4:	82.2	R12:	62.0
R5:	82.8	R13:	85.3
R6:	87.1	R14:	98.2
R7:	85.7		
R8:	65.4		



**Test Conditions**

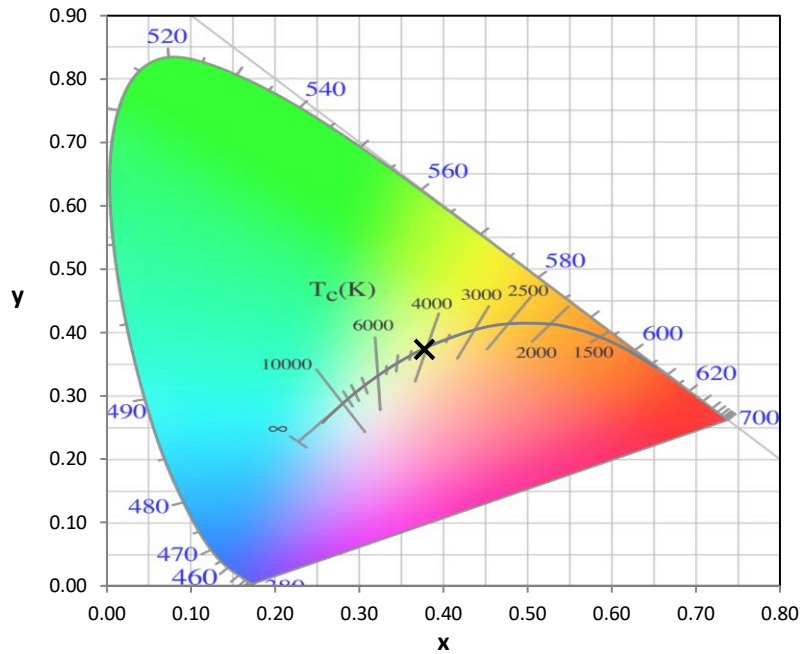
Stabilization Time: 26M  
 Operation Time: 12H  
 Room Temperature (°C) / RH%: 25.8/25%  
 Sphere Temperature (°C): 25.2

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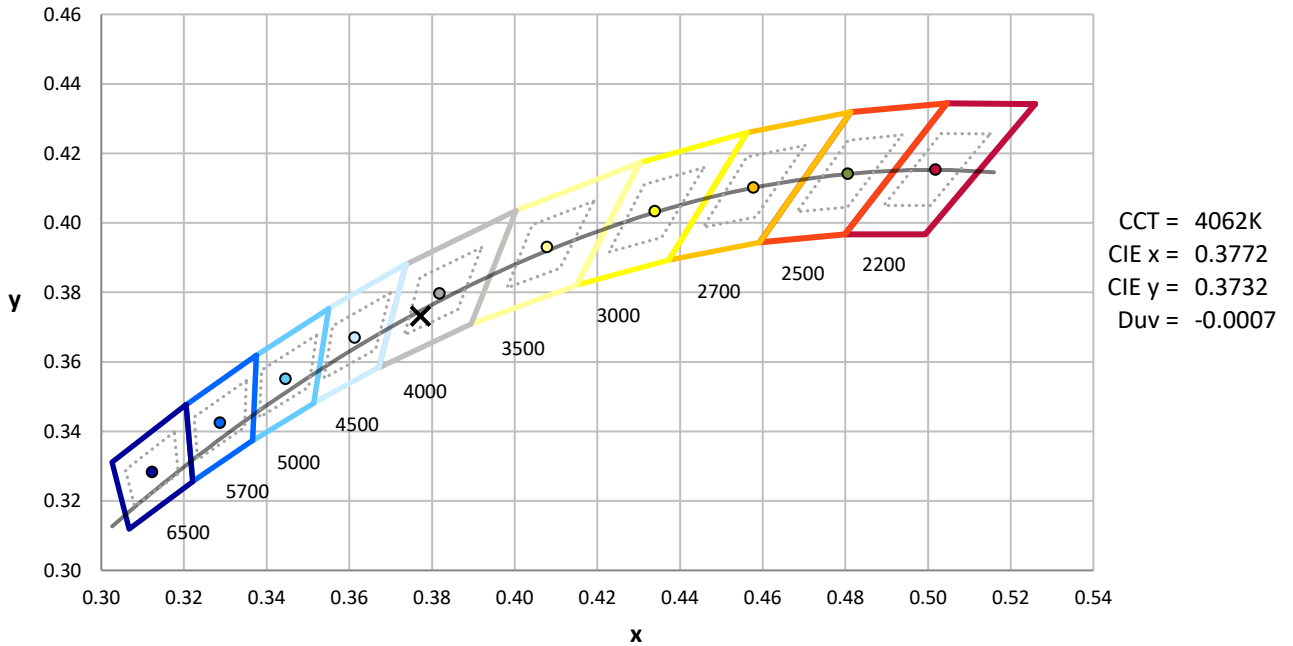
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	76INCH SPHERE IN0058	8/9/2023	2/9/2024
Power Meter	XITRON 2801 IN0071	10/23/2023	10/23/2024
AC Power Source	CHROMA 61603 IN0063	10/24/2023	10/24/2024
DC Power Source	AGILENT E3634A IN0208	10/24/2023	10/24/2024
Sphere Thermometer	ONSET IN0085	10/24/2023	10/24/2024
Room Thermometer	ONSET IN0046	10/24/2023	10/24/2024

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CIE 1931 Chromaticity Diagram



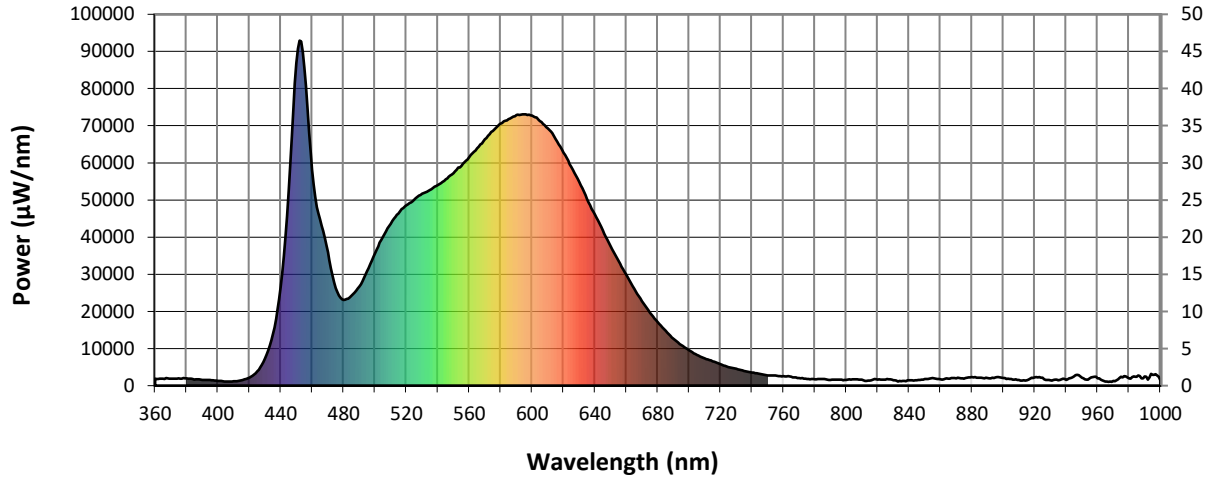
CIE 1931 Chromaticity Diagram with 2017 ANSI 7-Step and 4-Step Quadrangles



Point lies inside the ANSI 4000K 4-step quadrangle

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**Photopic Flux vs. Wavelength**

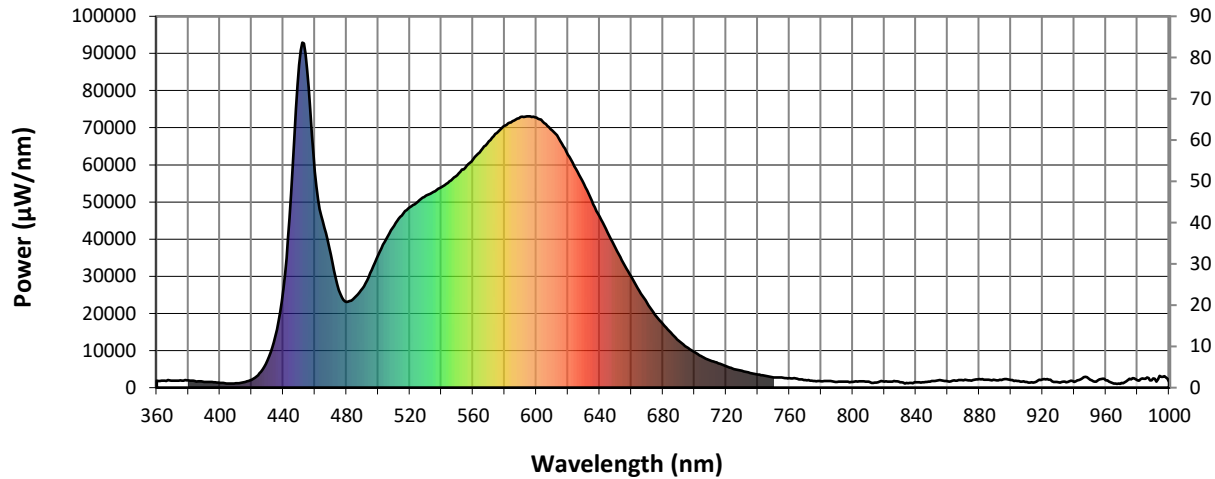


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λ (nm)	Power (µW/nm)	Lumens (φ/nm)	λ (nm)	Power (µW/nm)	Lumens (φ/nm)	λ (nm)	Power (µW/nm)	Lumens (φ/nm)	λ (nm)	Power (µW/nm)	Lumens (φ/nm)	λ (nm)	Power (µW/nm)	Lumens (φ/nm)
360	1912	NR	490	26707	NR	620	62725	NR	750	2758	NR	880	2281	NR
365	1842	NR	495	30809	NR	625	58915	NR	755	2754	NR	885	2159	NR
370	1883	NR	500	35628	NR	630	54868	NR	760	2534	NR	890	2058	NR
375	1963	NR	505	39961	NR	635	50338	NR	765	2358	NR	895	2193	NR
380	1966	NR	510	43602	NR	640	46112	NR	770	2033	NR	900	2056	NR
385	1663	NR	515	46375	NR	645	41812	NR	775	1801	NR	905	1799	NR
390	1572	NR	520	48573	NR	650	37529	NR	780	1738	NR	910	1497	NR
395	1491	NR	525	50073	NR	655	33571	NR	785	1753	NR	915	1444	NR
400	1247	NR	530	51659	NR	660	29866	NR	790	1512	NR	920	2265	NR
405	1092	NR	535	52689	NR	665	26062	NR	795	1628	NR	925	2128	NR
410	1155	NR	540	53980	NR	670	22775	NR	800	1577	NR	930	1483	NR
415	1414	NR	545	55559	NR	675	19628	NR	805	1745	NR	935	1473	NR
420	2172	NR	550	57241	NR	680	17131	NR	810	1584	NR	940	1513	NR
425	3836	NR	555	59220	NR	685	14797	NR	815	1336	NR	945	2506	NR
430	7328	NR	560	61477	NR	690	12645	NR	820	1598	NR	950	2110	NR
435	13915	NR	565	63913	NR	695	10922	NR	825	1652	NR	955	1942	NR
440	26569	NR	570	66367	NR	700	9557	NR	830	1443	NR	960	2004	NR
445	52250	NR	575	68617	NR	705	8271	NR	835	1187	NR	965	1106	NR
450	86961	NR	580	70538	NR	710	7311	NR	840	1409	NR	970	1282	NR
455	85655	NR	585	71781	NR	715	6566	NR	845	1417	NR	975	2377	NR
460	58144	NR	590	72860	NR	720	5734	NR	850	1751	NR	980	2000	NR
465	44751	NR	595	73089	NR	725	5015	NR	855	2009	NR	985	2356	NR
470	35887	NR	600	72720	NR	730	4508	NR	860	1738	NR	990	2487	NR
475	26300	NR	605	71266	NR	735	3916	NR	865	1840	NR	995	2894	NR
480	23116	NR	610	69295	NR	740	3533	NR	870	1982	NR	1000	1478	NR
485	24223	NR	615	66396	NR	745	3158	NR	875	1920	NR			

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Scotopic Flux vs. Wavelength



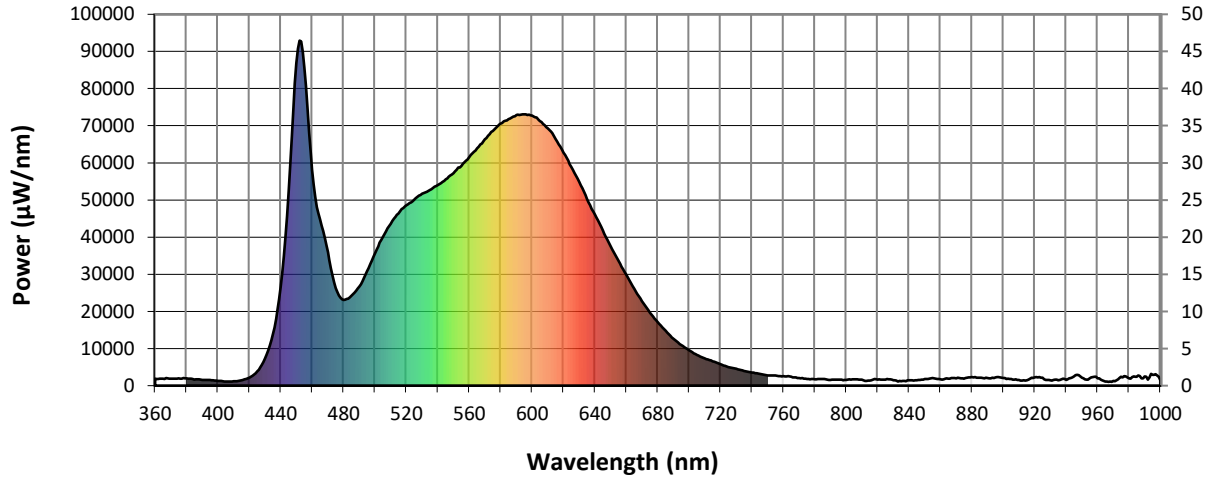
Scotopic Lumens: 7310

S/P: 1.74

λ (nm)	Power (µW/nm)	Lumens (φ/nm)	λ (nm)	Power (µW/nm)	Lumens (φ/nm)	λ (nm)	Power (µW/nm)	Lumens (φ/nm)	λ (nm)	Power (µW/nm)	Lumens (φ/nm)	λ (nm)	Power (µW/nm)	Lumens (φ/nm)
360	1912	NR	490	26707	NR	620	62725	NR	750	2758	NR	880	2281	NR
365	1842	NR	495	30809	NR	625	58915	NR	755	2754	NR	885	2159	NR
370	1883	NR	500	35628	NR	630	54868	NR	760	2534	NR	890	2058	NR
375	1963	NR	505	39961	NR	635	50338	NR	765	2358	NR	895	2193	NR
380	1966	NR	510	43602	NR	640	46112	NR	770	2033	NR	900	2056	NR
385	1663	NR	515	46375	NR	645	41812	NR	775	1801	NR	905	1799	NR
390	1572	NR	520	48573	NR	650	37529	NR	780	1738	NR	910	1497	NR
395	1491	NR	525	50073	NR	655	33571	NR	785	1753	NR	915	1444	NR
400	1247	NR	530	51659	NR	660	29866	NR	790	1512	NR	920	2265	NR
405	1092	NR	535	52689	NR	665	26062	NR	795	1628	NR	925	2128	NR
410	1155	NR	540	53980	NR	670	22775	NR	800	1577	NR	930	1483	NR
415	1414	NR	545	55559	NR	675	19628	NR	805	1745	NR	935	1473	NR
420	2172	NR	550	57241	NR	680	17131	NR	810	1584	NR	940	1513	NR
425	3836	NR	555	59220	NR	685	14797	NR	815	1336	NR	945	2506	NR
430	7328	NR	560	61477	NR	690	12645	NR	820	1598	NR	950	2110	NR
435	13915	NR	565	63913	NR	695	10922	NR	825	1652	NR	955	1942	NR
440	26569	NR	570	66367	NR	700	9557	NR	830	1443	NR	960	2004	NR
445	52250	NR	575	68617	NR	705	8271	NR	835	1187	NR	965	1106	NR
450	86961	NR	580	70538	NR	710	7311	NR	840	1409	NR	970	1282	NR
455	85655	NR	585	71781	NR	715	6566	NR	845	1417	NR	975	2377	NR
460	58144	NR	590	72860	NR	720	5734	NR	850	1751	NR	980	2000	NR
465	44751	NR	595	73089	NR	725	5015	NR	855	2009	NR	985	2356	NR
470	35887	NR	600	72720	NR	730	4508	NR	860	1738	NR	990	2487	NR
475	26300	NR	605	71266	NR	735	3916	NR	865	1840	NR	995	2894	NR
480	23116	NR	610	69295	NR	740	3533	NR	870	1982	NR	1000	1478	NR
485	24223	NR	615	66396	NR	745	3158	NR	875	1920	NR			

REPORT NUMBER: SP1-2312-242-3

**Melanopic Flux vs. Wavelength**



**Melanopic Lumens: 3000**

**M/P: 0.71**

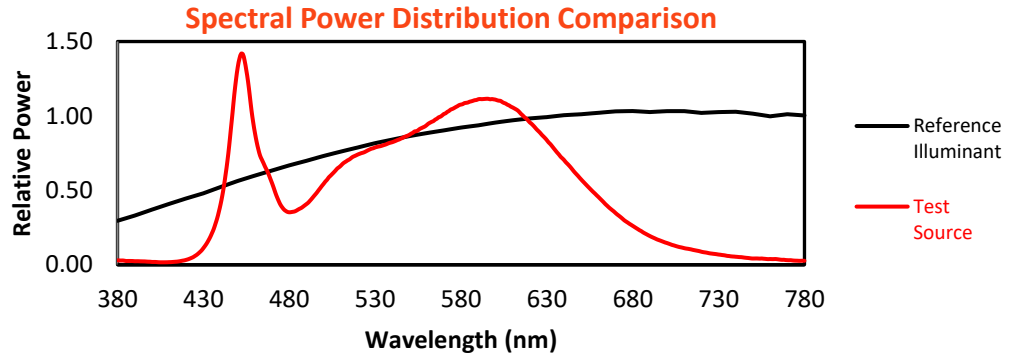
λ (nm)	Power (µW/nm)	Lumens (φ/nm)	λ (nm)	Power (µW/nm)	Lumens (φ/nm)	λ (nm)	Power (µW/nm)	Lumens (φ/nm)	λ (nm)	Power (µW/nm)	Lumens (φ/nm)	λ (nm)	Power (µW/nm)	Lumens (φ/nm)
360	1912	NR	490	26707	NR	620	62725	NR	750	2758	NR	880	2281	NR
365	1842	NR	495	30809	NR	625	58915	NR	755	2754	NR	885	2159	NR
370	1883	NR	500	35628	NR	630	54868	NR	760	2534	NR	890	2058	NR
375	1963	NR	505	39961	NR	635	50338	NR	765	2358	NR	895	2193	NR
380	1966	NR	510	43602	NR	640	46112	NR	770	2033	NR	900	2056	NR
385	1663	NR	515	46375	NR	645	41812	NR	775	1801	NR	905	1799	NR
390	1572	NR	520	48573	NR	650	37529	NR	780	1738	NR	910	1497	NR
395	1491	NR	525	50073	NR	655	33571	NR	785	1753	NR	915	1444	NR
400	1247	NR	530	51659	NR	660	29866	NR	790	1512	NR	920	2265	NR
405	1092	NR	535	52689	NR	665	26062	NR	795	1628	NR	925	2128	NR
410	1155	NR	540	53980	NR	670	22775	NR	800	1577	NR	930	1483	NR
415	1414	NR	545	55559	NR	675	19628	NR	805	1745	NR	935	1473	NR
420	2172	NR	550	57241	NR	680	17131	NR	810	1584	NR	940	1513	NR
425	3836	NR	555	59220	NR	685	14797	NR	815	1336	NR	945	2506	NR
430	7328	NR	560	61477	NR	690	12645	NR	820	1598	NR	950	2110	NR
435	13915	NR	565	63913	NR	695	10922	NR	825	1652	NR	955	1942	NR
440	26569	NR	570	66367	NR	700	9557	NR	830	1443	NR	960	2004	NR
445	52250	NR	575	68617	NR	705	8271	NR	835	1187	NR	965	1106	NR
450	86961	NR	580	70538	NR	710	7311	NR	840	1409	NR	970	1282	NR
455	85655	NR	585	71781	NR	715	6566	NR	845	1417	NR	975	2377	NR
460	58144	NR	590	72860	NR	720	5734	NR	850	1751	NR	980	2000	NR
465	44751	NR	595	73089	NR	725	5015	NR	855	2009	NR	985	2356	NR
470	35887	NR	600	72720	NR	730	4508	NR	860	1738	NR	990	2487	NR
475	26300	NR	605	71266	NR	735	3916	NR	865	1840	NR	995	2894	NR
480	23116	NR	610	69295	NR	740	3533	NR	870	1982	NR	1000	1478	NR
485	24223	NR	615	66396	NR	745	3158	NR	875	1920	NR			

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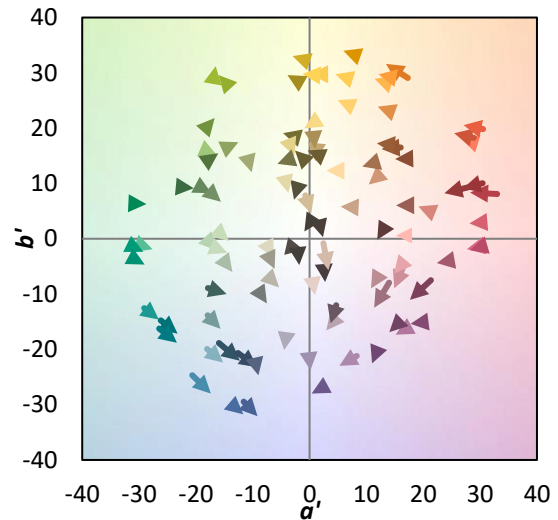
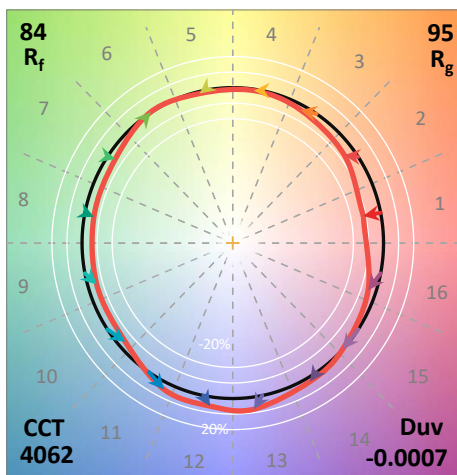
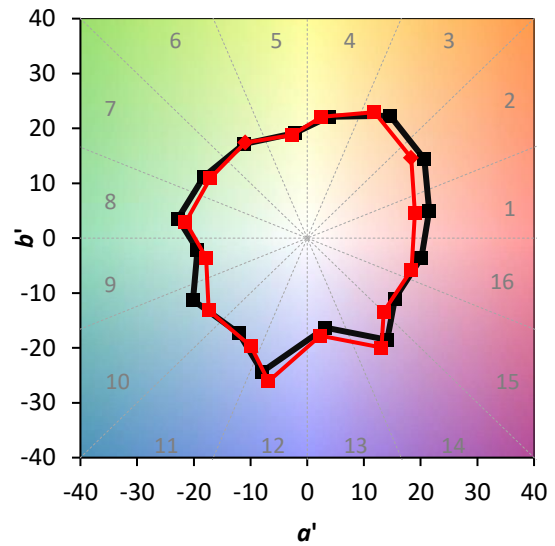
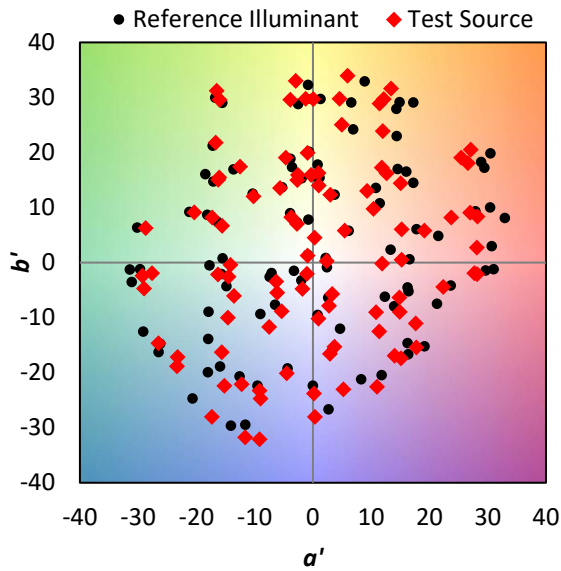
TM-30-18

**Summary**

$R_f = 84.1$   
 $R_g = 94.8$   
 $CIE R_a = 84.1$   
 $R_9 = 12.5$



**Color Vector Graphics**

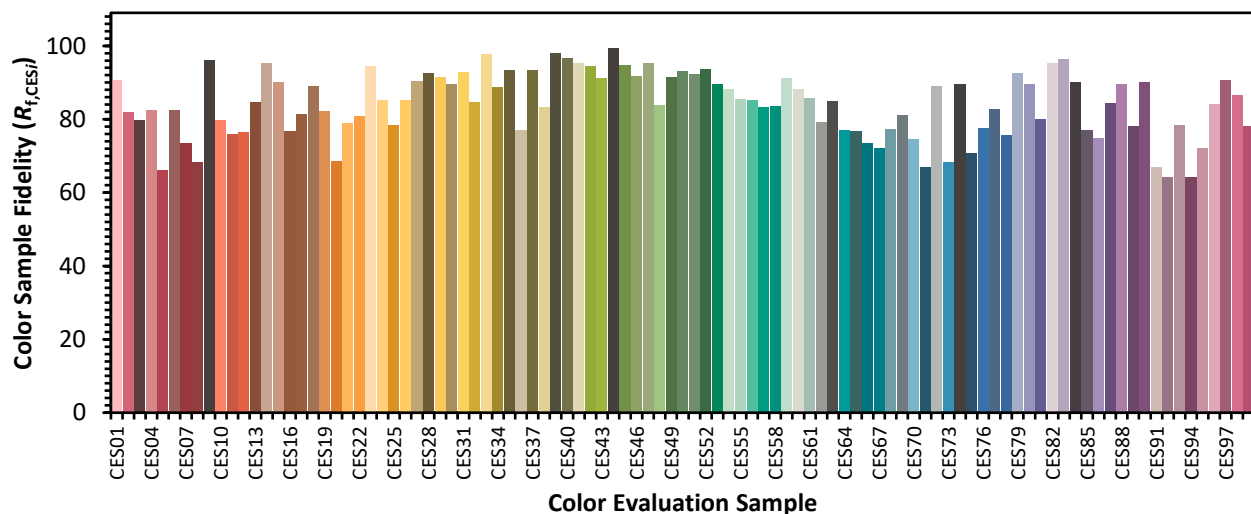


REPORT NUMBER: SP1-2312-242-3

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

CES01 = 85	CES26 = 85	CES51 = 92	CES76 = 77
CES02 = 61	CES27 = 90	CES52 = 94	CES77 = 83
CES03 = 31	CES28 = 93	CES53 = 90	CES78 = 76
CES04 = 69	CES29 = 92	CES54 = 88	CES79 = 92
CES05 = 48	CES30 = 90	CES55 = 85	CES80 = 90
CES06 = 50	CES31 = 93	CES56 = 85	CES81 = 80
CES07 = 41	CES32 = 85	CES57 = 83	CES82 = 95
CES08 = 40	CES33 = 98	CES58 = 84	CES83 = 96
CES09 = 29	CES34 = 89	CES59 = 91	CES84 = 90
CES10 = 74	CES35 = 93	CES60 = 88	CES85 = 77
CES11 = 57	CES36 = 77	CES61 = 86	CES86 = 75
CES12 = 63	CES37 = 93	CES62 = 79	CES87 = 84
CES13 = 42	CES38 = 83	CES63 = 85	CES88 = 89
CES14 = 74	CES39 = 98	CES64 = 77	CES89 = 78
CES15 = 71	CES40 = 97	CES65 = 77	CES90 = 90
CES16 = 47	CES41 = 95	CES66 = 74	CES91 = 67
CES17 = 49	CES42 = 94	CES67 = 72	CES92 = 64
CES18 = 56	CES43 = 91	CES68 = 77	CES93 = 78
CES19 = 71	CES44 = 99	CES69 = 81	CES94 = 64
CES20 = 65	CES45 = 95	CES70 = 75	CES95 = 72
CES21 = 86	CES46 = 92	CES71 = 67	CES96 = 84
CES22 = 78	CES47 = 95	CES72 = 89	CES97 = 91
CES23 = 91	CES48 = 84	CES73 = 68	CES98 = 86
CES24 = 90	CES49 = 92	CES74 = 90	CES99 = 78
CES25 = 71	CES50 = 93	CES75 = 71	

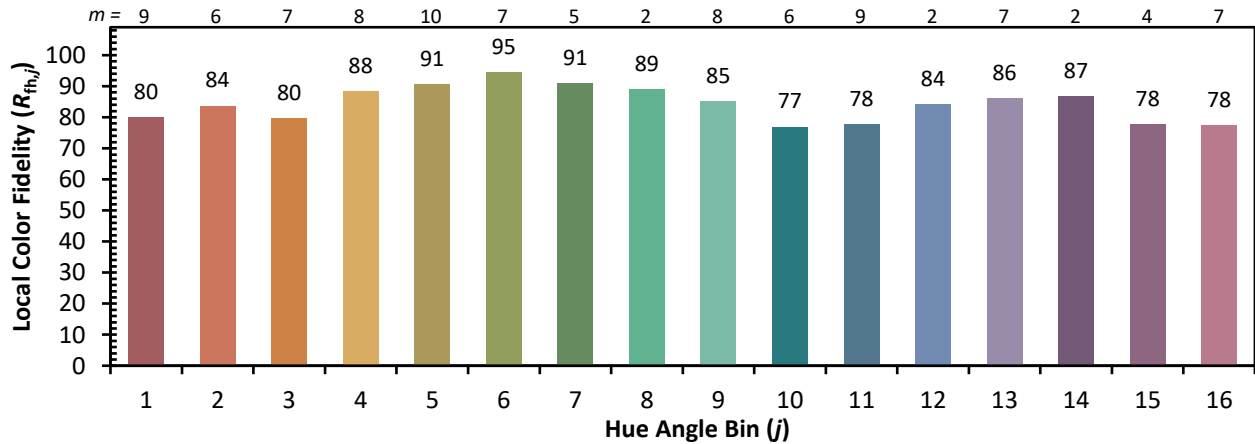
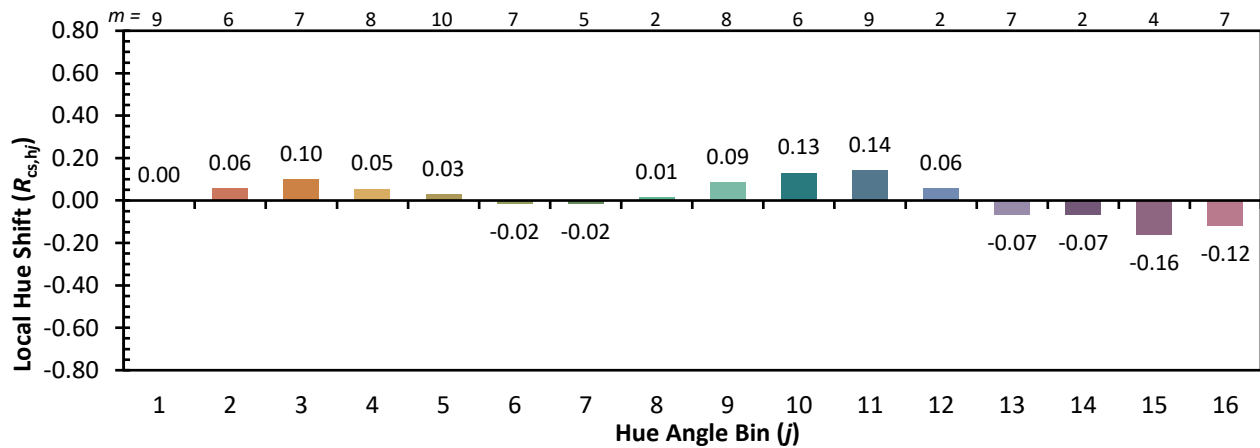
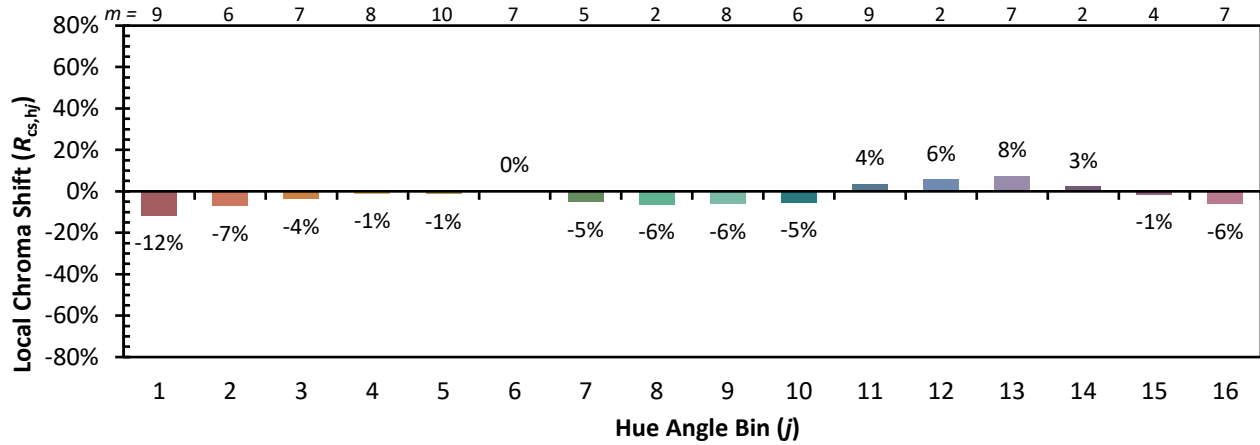




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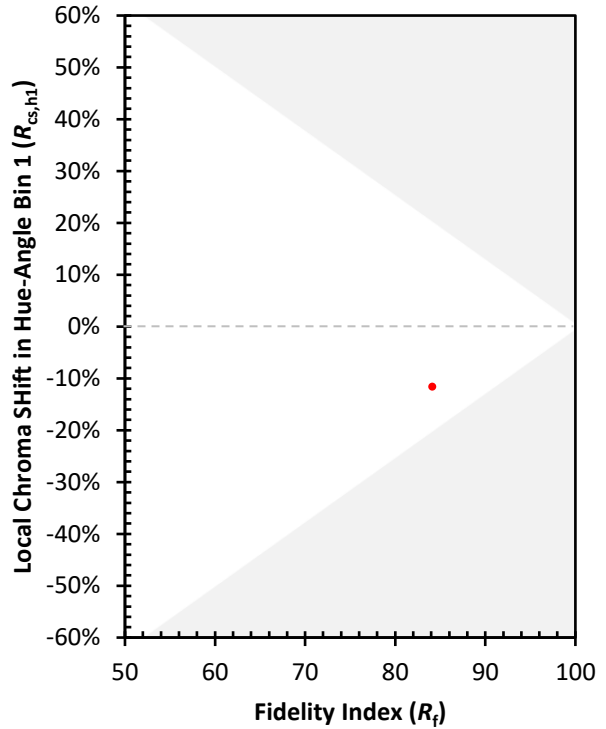
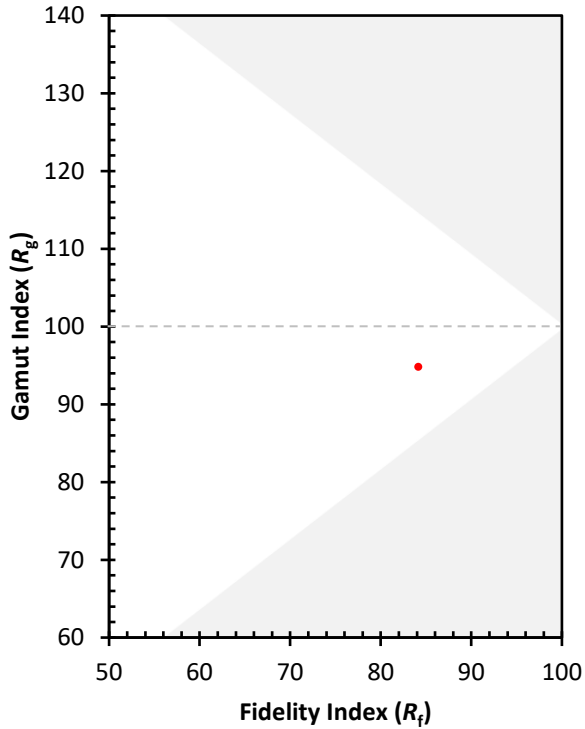
Color Rendition by Hue-Angle Bin



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TM-30-18

Measure Comparisons





TEST NUMBER: P958984  
 CATALOG NUMBER: CB2-B-085U-055D-840-1D-UNV-STD-W-4

**CIE UGR TABLE:**

Reflectances:											
Ceiling		0.7	0.7	0.5	0.5	0.3	0.7	0.7	0.5	0.5	0.3
Wall		0.5	0.3	0.5	0.3	0.3	0.5	0.3	0.5	0.3	0.3
Reference plane		0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Room dimensions		Viewed crosswise					Viewed endwise				
X=2H	Y=2H	14.86	15.58	15.95	16.67	18.17	13.76	14.48	14.85	15.57	17.07
	3H	16.49	17.14	17.60	18.24	19.75	15.28	15.92	16.38	17.02	18.53
	4H	17.12	17.73	18.23	18.83	20.35	15.84	16.45	16.96	17.55	19.07
	6H	17.51	18.07	18.63	19.18	20.71	16.21	16.77	17.33	17.87	19.40
	8H	17.66	18.19	18.78	19.31	20.83	16.34	16.88	17.47	18.00	19.52
	12H	17.73	18.23	18.85	19.34	20.89	16.40	16.91	17.53	18.02	19.57
4H	2H	15.25	15.86	16.37	16.96	18.48	14.38	14.99	15.50	16.09	17.61
	3H	17.11	17.62	18.23	18.74	20.28	16.10	16.61	17.22	17.73	19.27
	4H	17.85	18.32	18.98	19.43	20.98	16.77	17.24	17.90	18.35	19.90
	6H	18.36	18.76	19.50	19.90	21.44	17.23	17.63	18.37	18.77	20.32
	8H	18.56	18.94	19.70	20.07	21.63	17.42	17.79	18.56	18.93	20.49
	12H	18.66	19.00	19.81	20.14	21.71	17.50	17.84	18.65	18.98	20.55
8H	4H	17.99	18.37	19.13	19.50	21.06	17.03	17.40	18.16	18.53	20.09
	6H	18.63	18.94	19.79	20.11	21.67	17.63	17.94	18.78	19.11	20.67
	8H	18.92	19.19	20.08	20.34	21.92	17.90	18.17	19.06	19.32	20.90
	12H	19.09	19.32	20.25	20.47	22.08	18.04	18.28	19.21	19.43	21.04
12H	4H	17.97	18.31	19.12	19.45	21.01	17.03	17.37	18.18	18.51	20.07
	6H	18.66	18.93	19.82	20.08	21.66	17.69	17.96	18.85	19.11	20.69
	8H	18.97	19.20	20.13	20.35	21.97	17.99	18.23	19.15	19.37	20.99