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: P958979

Luminaire Tested: CB2-B-085U-030D-830-1D-UNV-STD-W-4

Issue Date: 2/12/2025

Report Generated By 670265710 / DESKTOP-98SHLC4

Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

Scaled Data Report

Test Information

Test Method:	LM-79-2019
Report Number:	P958979
	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-030D-830-1D-UNV-STD-W-4
Description:	CORELITE BASIC SLOT LED LUMINAIRE, BATWING UPLIGHT
	2-INCH APERTURE
	DOWNLIGHT 300 LUMENS PER FOOT
	UPLIGHT 850 LUMENS PER FOOT
Light Source:	3000K CCT, 80 CRI LEDS
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	5185.0 lumens
Efficiency:	N/A
Efficacy:	152.1 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):	34.1
Input Voltage (V):	120
Input Current (Ain):	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

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TEST NUMBER: P958979
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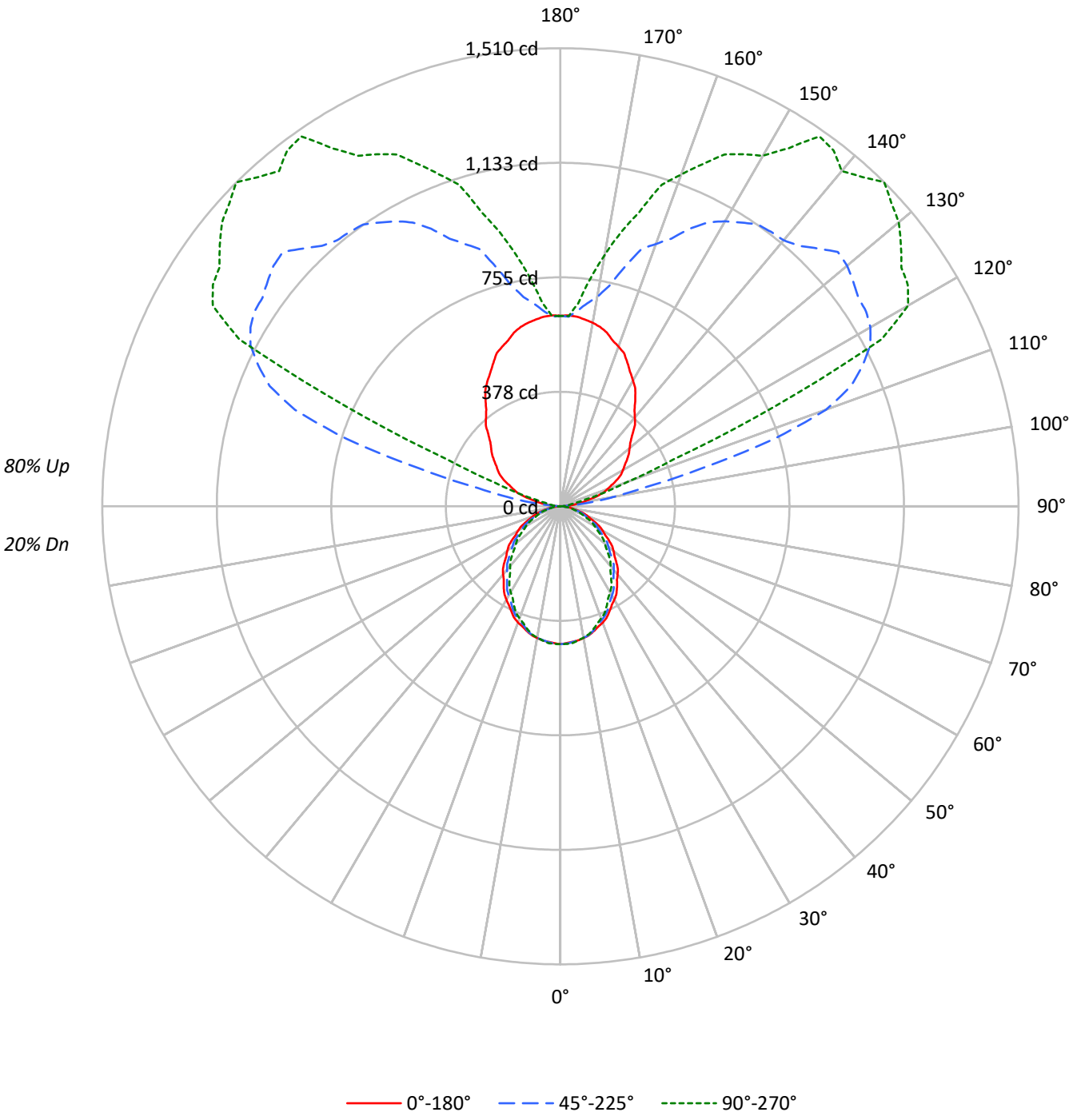
Luminous Intensity Polar Plot



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TEST NUMBER: P958979
CATALOG NUMBER: CB2-B-085U-030D-830-1D-UNV-STD-W-4

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	0
RCR																		
0	100	100	100	100	89	89	89	89	67	67	67	47	47	47	29	29	29	20
1	91	87	83	80	81	77	74	71	59	57	55	41	40	39	26	25	25	17
2	83	76	70	65	73	68	63	59	51	48	45	36	34	33	23	22	21	15
3	76	67	60	55	67	59	54	49	45	41	38	32	30	28	20	19	18	13
4	69	59	52	46	61	53	46	41	40	36	32	29	26	24	18	17	15	11
5	63	52	45	39	56	47	40	35	36	31	28	26	23	21	16	15	13	9
6	58	47	39	34	51	42	35	31	32	28	24	23	20	18	15	13	12	8
7	54	42	35	29	47	38	31	27	29	24	21	21	18	16	13	12	10	7
8	50	38	31	26	44	34	28	23	26	22	19	19	16	14	12	11	9	7
9	46	35	28	23	41	31	25	21	24	20	17	18	15	12	11	10	8	6
10	43	32	25	20	38	28	22	18	22	18	15	16	13	11	10	9	8	5

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	7914	7914	7914
5°	7849	7861	7915
10°	7803	7785	7778
15°	7680	7629	7566
20°	7559	7392	7288
25°	7355	7149	6947
30°	7152	6836	6579
35°	6917	6517	6207
40°	6669	6218	5855
45°	6419	5904	5510
50°	6194	5601	5175
55°	5918	5284	4862
60°	5601	4981	4546
65°	5263	4645	4228
70°	4889	4273	3830
75°	4448	3863	3466
80°	3982	3390	3139
85°	3058	2778	2298

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
Vertical Angle: 45°
Luminance: 6419 cd/sqm

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Scaled Data Report

TEST NUMBER: P958979
CATALOG NUMBER: CB2-B-085U-030D-830-1D-UNV-STD-W-4

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	42.7	0.8
10°-20°	119.1	2.3
20°-30°	171.3	3.3
30°-40°	192.5	3.7
40°-50°	186.0	3.6
50°-60°	157.1	3.0
60°-70°	112.9	2.2
70°-80°	61.7	1.2
80°-90°	16.4	0.3
90°-100°	47.0	0.9
100°-110°	291.3	5.6
110°-120°	734.6	14.2
120°-130°	883.1	17.0
130°-140°	800.7	15.4
140°-150°	638.5	12.3
150°-160°	435.5	8.4
160°-170°	230.3	4.4
170°-180°	64.1	1.2
0°-30°	333.1	6.4
0°-40°	525.6	10.1
0°-60°	868.7	16.8
0°-90°	1059.7	20.4
90°-120°	1073.0	20.7
90°-150°	3395.3	65.5
90°-180°	4125.0	79.6
0°-180°	5185.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	454	454	454	454	454	
5°	449	455	450	450	453	43
15°	426	430	423	419	420	120
25°	383	383	372	364	362	176
35°	325	322	306	295	292	203
45°	261	255	240	227	224	201
55°	195	188	174	163	160	174
65°	128	123	113	105	103	127
75°	66	62	57	53	52	71
85°	15	14	14	12	12	18
90°	0	0	0	0	0	2
95°	24	61	19	14	14	31
105°	119	333	482	121	81	125
115°	206	454	1099	1023	779	202
125°	268	551	1199	1364	1372	240
135°	336	611	1202	1407	1510	261
145°	430	642	1134	1367	1488	269
155°	522	655	1009	1216	1280	240
165°	593	648	814	959	1004	166
175°	628	636	647	658	671	59
180°	628	628	628	628	628	

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Scaled Data Report

TEST NUMBER: P958979
CATALOG NUMBER: CB2-B-085U-030D-830-1D-UNV-STD-W-4

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	454.4	454.4	454.4	454.4	*454.4*
2.5°	451.4	456.8	452.8	453.3	*454.1*
5°	448.9	455.0	449.6	449.6	*452.7*
7.5°	445.7	451.4	444.6	443.4	*446.2*
10°	441.2	447.0	440.2	437.8	*439.8*
12.5°	435.4	440.9	434.3	430.5	*432.3*
15°	425.9	429.6	423.1	419.0	*419.6*
17.5°	415.6	417.9	408.5	405.0	*404.3*
20°	407.8	409.8	398.8	393.9	*393.2*
22.5°	397.8	399.5	387.9	381.9	*380.9*
25°	382.7	383.1	372.0	363.6	*361.5*
27.5°	367.0	365.9	353.6	343.6	*341.0*
30°	355.6	354.2	339.9	329.5	*327.1*
32.5°	343.4	340.9	326.6	315.3	*312.9*
35°	325.3	321.6	306.5	294.7	*291.9*
37.5°	306.1	301.9	287.1	274.2	*271.1*
40°	293.3	288.6	273.5	260.5	*257.5*
42.5°	280.5	275.2	259.9	246.9	*243.6*
45°	260.6	255.2	239.7	227.1	*223.7*
47.5°	241.7	234.7	219.8	207.2	*203.8*
50°	228.6	221.1	206.7	194.4	*191.0*
52.5°	215.2	207.5	193.6	181.9	*178.5*
55°	194.9	187.7	174.0	163.1	*160.1*
57.5°	174.7	167.8	155.3	144.9	*141.9*
60°	160.8	155.0	143.0	133.2	*130.5*
62.5°	147.4	142.2	130.8	121.8	*119.1*
65°	127.7	122.9	112.7	104.7	*102.6*
67.5°	108.6	103.8	95.5	88.3	*86.0*
70°	96.0	91.3	83.9	77.2	*75.2*
72.5°	84.1	79.0	73.0	66.9	*65.4*
75°	66.1	62.0	57.4	52.9	*51.5*
77.5°	50.2	46.3	42.9	39.7	*39.4*
80°	39.7	36.3	33.8	31.7	*31.3*
82.5°	29.6	27.1	25.4	23.9	*23.8*
85°	15.3	14.3	13.9	12.2	*11.5*
87.5°	4.5	4.5	3.9	3.3	*3.3*
90°	0.0	0.0	0.0	0.0	*0.0*
92.5°	6.5	10.7	4.3	4.3	*4.3*
95°	24.4	61.4	18.9	13.5	*13.5*
97.5°	50.9	147.2	102.3	27.5	*23.8*
100°	70.4	213.2	175.9	40.4	*32.5*
102.5°	89.8	270.8	277.6	64.1	*49.8*
105°	119.1	333.4	481.7	120.9	*81.2*
107.5°	147.8	374.3	738.2	249.4	*150.5*
110°	165.1	397.9	930.9	388.8	*232.7*

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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	182.4	421.6	1037.0	623.3	*401.6*
115°	205.7	454.4	1098.7	1022.8	*779.4*
117.5°	225.2	484.5	1151.7	1264.8	*1193.4*
120°	238.1	508.0	1179.9	1299.5	*1323.3*
122.5°	251.1	525.3	1195.0	1313.0	*1357.9*
125°	267.9	551.0	1198.8	1364.1	*1372.0*
127.5°	284.7	570.5	1216.7	1411.1	*1414.8*
130°	297.7	583.4	1234.0	1426.8	*1455.9*
132.5°	312.8	594.4	1240.5	1435.8	*1479.7*
135°	*335.6*	*610.7*	*1201.5*	*1406.8*	*1510.0*
137.5°	364.2	622.5	1164.2	1406.0	*1472.7*
140°	381.6	625.0	1144.7	1437.1	*1442.4*
142.5°	401.0	631.8	1140.4	1433.7	*1479.2*
145°	430.3	642.0	1133.9	1366.7	*1488.4*
147.5°	459.5	648.4	1109.0	1292.7	*1399.1*
150°	479.0	651.0	1085.2	1268.0	*1334.1*
152.5°	498.5	653.5	1054.8	1252.6	*1308.1*
155°	522.3	654.6	1009.4	1216.5	*1280.0*
157.5°	547.2	651.4	954.7	1150.6	*1219.9*
160°	560.2	647.5	920.1	1102.8	*1163.6*
162.5°	573.2	645.7	889.8	1040.2	*1111.7*
165°	592.6	648.2	814.5	959.0	*1004.0*
167.5°	605.6	645.9	744.2	862.5	*926.0*
170°	614.3	646.0	700.9	788.7	*841.6*
172.5°	620.8	635.6	674.9	721.2	*757.2*
175°	627.8	635.8	646.8	657.9	*671.1*
177.5°	630.0	634.2	625.7	623.6	*627.8*
180°	627.8	627.8	627.8	627.8	*627.8*

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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

CORELITE

Report Number: SP1-2312-242-1

Test Date: 01/31/2024

Luminaire Tested: CB2-055U055D-830-1D-UNV-STD-D-W-4

Data in this report applies to families of products including CB2-055U055D-830-1D-UNV-STD-D-W-4.

Report Generated By FNC07603 / LDUCLS01DT446
Version: v6.13

Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

Test Information

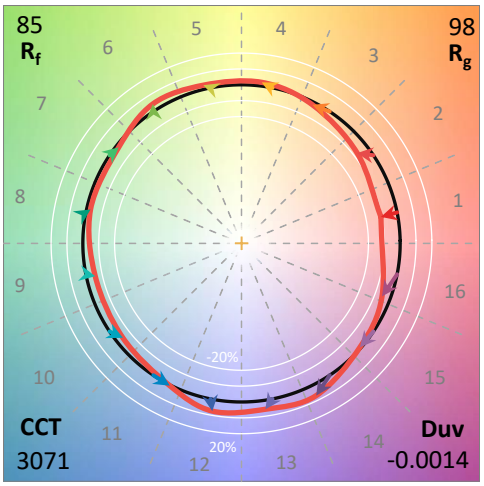
Test Method:	LM-79-2019
Report Number:	SP1-2312-242-1
Test Lab:	COOPER LIGHTING SOLUTIONS
Photometer:	SP1 - 76IN SPHERE
Measurement Geometry:	4π
Issue Date:	01/31/2024
Manufacturer:	COOPER LIGHTING SOLUTIONS
Product Line:	CORELITE
Catalog Number:	**CB2-055U055D-830-1D-UNV-STD-D-W-4**
Description:	CORELITE 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):	3071	CRI (Ra):	83.9		
CIE u':	0.2486	R1:	82.7	R9:	12.3
CIE v':	0.5180	R2:	91.6	R10:	81.0
Duv:	-0.0014	R3:	96.5	R11:	83.0
CIE x:	0.4300	R4:	82.7	R12:	73.2
CIE y:	0.3983	R5:	83.1	R13:	84.9
CIE z:	0.1717	R6:	89.9	R14:	98.7
Peak Wavelength (nm):	603	R7:	83.5		
Dominant Wavelength (nm):	583	R8:	61.5		
Purity:	48.7				

Rf:	85.3
Rg:	97.6



Test Conditions

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

Cooper Lighting Solutions Photometric Lab
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REPORT NUMBER: SP1-2312-242-1

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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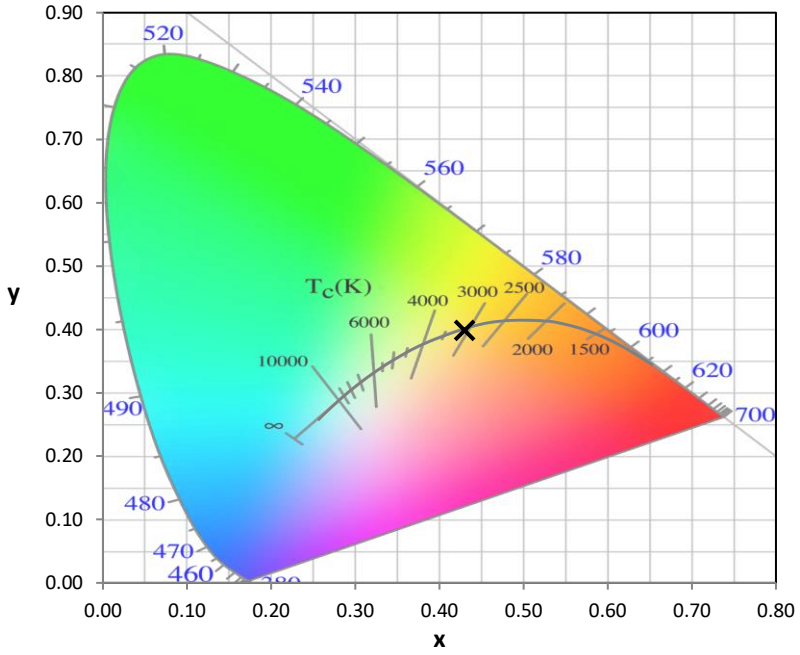
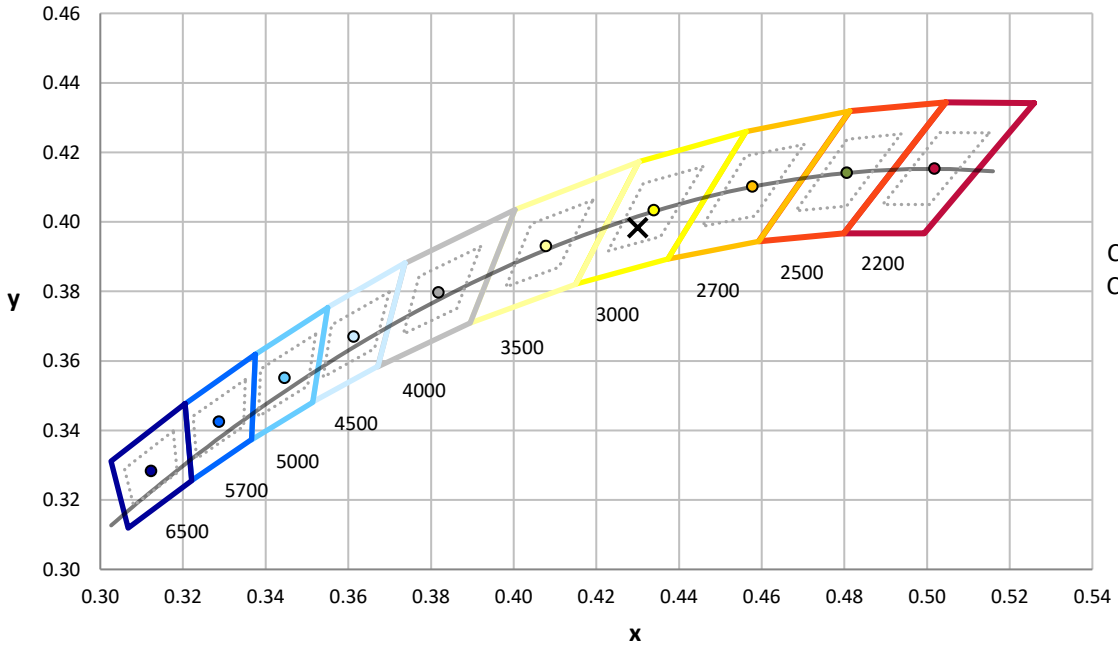
CIE 1931 Chromaticity Diagram



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



CCT = 3071K
CIE x = 0.4300
CIE y = 0.3983
Duv = -0.0014

Point lies inside the ANSI 3000K 4-step quadrangle

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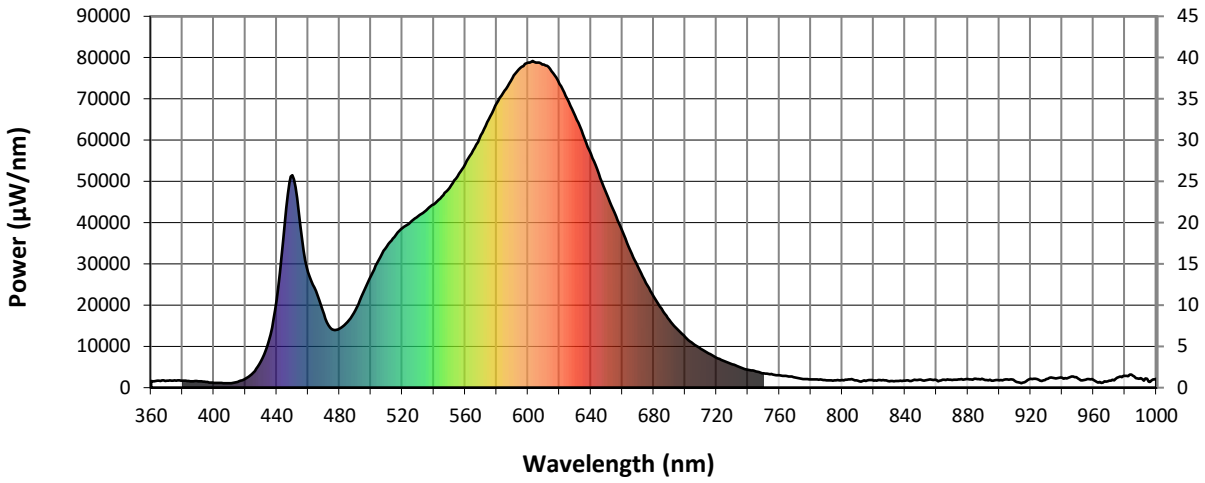
Photopic Flux vs. Wavelength



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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	1638	NR	490	18774	NR	620	73569	NR	750	3454	NR	880	2051	NR
365	1662	NR	495	22975	NR	625	70020	NR	755	3312	NR	885	2153	NR
370	1656	NR	500	27096	NR	630	65803	NR	760	3014	NR	890	2009	NR
375	1770	NR	505	30929	NR	635	61387	NR	765	2769	NR	895	1712	NR
380	1729	NR	510	34180	NR	640	56660	NR	770	2504	NR	900	1761	NR
385	1518	NR	515	36518	NR	645	51817	NR	775	2115	NR	905	1983	NR
390	1548	NR	520	38707	NR	650	46959	NR	780	2019	NR	910	1641	NR
395	1397	NR	525	40022	NR	655	42381	NR	785	1959	NR	915	1210	NR
400	1152	NR	530	41531	NR	660	37988	NR	790	1801	NR	920	2137	NR
405	1114	NR	535	42959	NR	665	33226	NR	795	1791	NR	925	1888	NR
410	1082	NR	540	44456	NR	670	29309	NR	800	1854	NR	930	2049	NR
415	1365	NR	545	46323	NR	675	25362	NR	805	2036	NR	935	2328	NR
420	2134	NR	550	48405	NR	680	22111	NR	810	1669	NR	940	2366	NR
425	3614	NR	555	51180	NR	685	19110	NR	815	1640	NR	945	2536	NR
430	6425	NR	560	54143	NR	690	16401	NR	820	1697	NR	950	2198	NR
435	11468	NR	565	57516	NR	695	14174	NR	825	1795	NR	955	1936	NR
440	21323	NR	570	61145	NR	700	12303	NR	830	1560	NR	960	1858	NR
445	39520	NR	575	65023	NR	705	10670	NR	835	1592	NR	965	1183	NR
450	51461	NR	580	68883	NR	710	9399	NR	840	1683	NR	970	1720	NR
455	39205	NR	585	71953	NR	715	8320	NR	845	1780	NR	975	2378	NR
460	27949	NR	590	75087	NR	720	7212	NR	850	1939	NR	980	2863	NR
465	23410	NR	595	77461	NR	725	6424	NR	855	1958	NR	985	2933	NR
470	17812	NR	600	78820	NR	730	5661	NR	860	1851	NR	990	2307	NR
475	14177	NR	605	78757	NR	735	4959	NR	865	1941	NR	995	1431	NR
480	14309	NR	610	78335	NR	740	4317	NR	870	1825	NR	1000	2153	NR
485	15862	NR	615	76712	NR	745	3947	NR	875	2023	NR			

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Peachtree City, GA 30269

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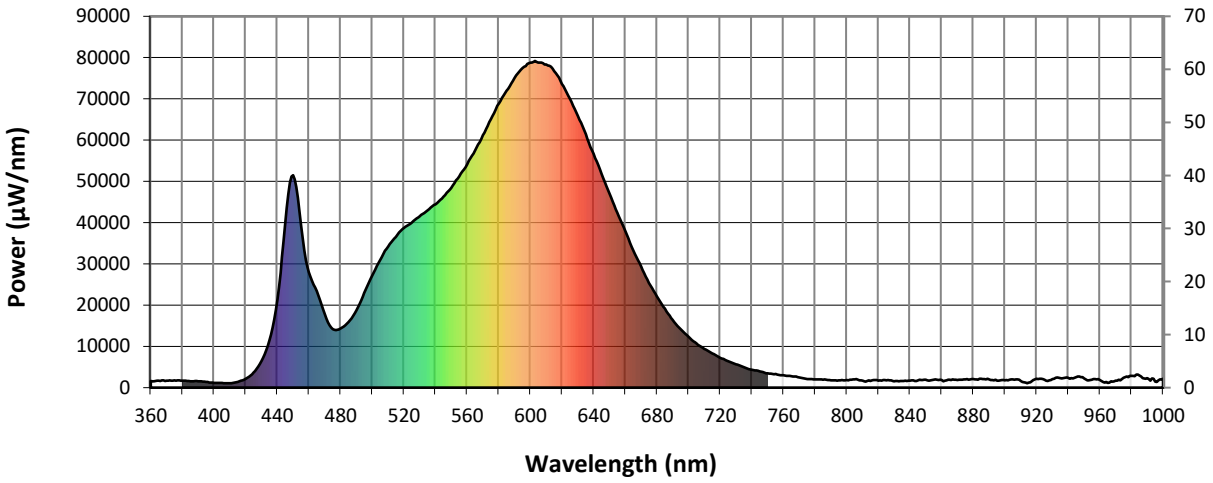
Scotopic Flux vs. Wavelength



Scotopic Lumens: 5426.6 **S/P: 1.39**

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	1638	NR	490	18774	NR	620	73569	NR	750	3454	NR	880	2051	NR
365	1662	NR	495	22975	NR	625	70020	NR	755	3312	NR	885	2153	NR
370	1656	NR	500	27096	NR	630	65803	NR	760	3014	NR	890	2009	NR
375	1770	NR	505	30929	NR	635	61387	NR	765	2769	NR	895	1712	NR
380	1729	NR	510	34180	NR	640	56660	NR	770	2504	NR	900	1761	NR
385	1518	NR	515	36518	NR	645	51817	NR	775	2115	NR	905	1983	NR
390	1548	NR	520	38707	NR	650	46959	NR	780	2019	NR	910	1641	NR
395	1397	NR	525	40022	NR	655	42381	NR	785	1959	NR	915	1210	NR
400	1152	NR	530	41531	NR	660	37988	NR	790	1801	NR	920	2137	NR
405	1114	NR	535	42959	NR	665	33226	NR	795	1791	NR	925	1888	NR
410	1082	NR	540	44456	NR	670	29309	NR	800	1854	NR	930	2049	NR
415	1365	NR	545	46323	NR	675	25362	NR	805	2036	NR	935	2328	NR
420	2134	NR	550	48405	NR	680	22111	NR	810	1669	NR	940	2366	NR
425	3614	NR	555	51180	NR	685	19110	NR	815	1640	NR	945	2536	NR
430	6425	NR	560	54143	NR	690	16401	NR	820	1697	NR	950	2198	NR
435	11468	NR	565	57516	NR	695	14174	NR	825	1795	NR	955	1936	NR
440	21323	NR	570	61145	NR	700	12303	NR	830	1560	NR	960	1858	NR
445	39520	NR	575	65023	NR	705	10670	NR	835	1592	NR	965	1183	NR
450	51461	NR	580	68883	NR	710	9399	NR	840	1683	NR	970	1720	NR
455	39205	NR	585	71953	NR	715	8320	NR	845	1780	NR	975	2378	NR
460	27949	NR	590	75087	NR	720	7212	NR	850	1939	NR	980	2863	NR
465	23410	NR	595	77461	NR	725	6424	NR	855	1958	NR	985	2933	NR
470	17812	NR	600	78820	NR	730	5661	NR	860	1851	NR	990	2307	NR
475	14177	NR	605	78757	NR	735	4959	NR	865	1941	NR	995	1431	NR
480	14309	NR	610	78335	NR	740	4317	NR	870	1825	NR	1000	2153	NR
485	15862	NR	615	76712	NR	745	3947	NR	875	2023	NR			

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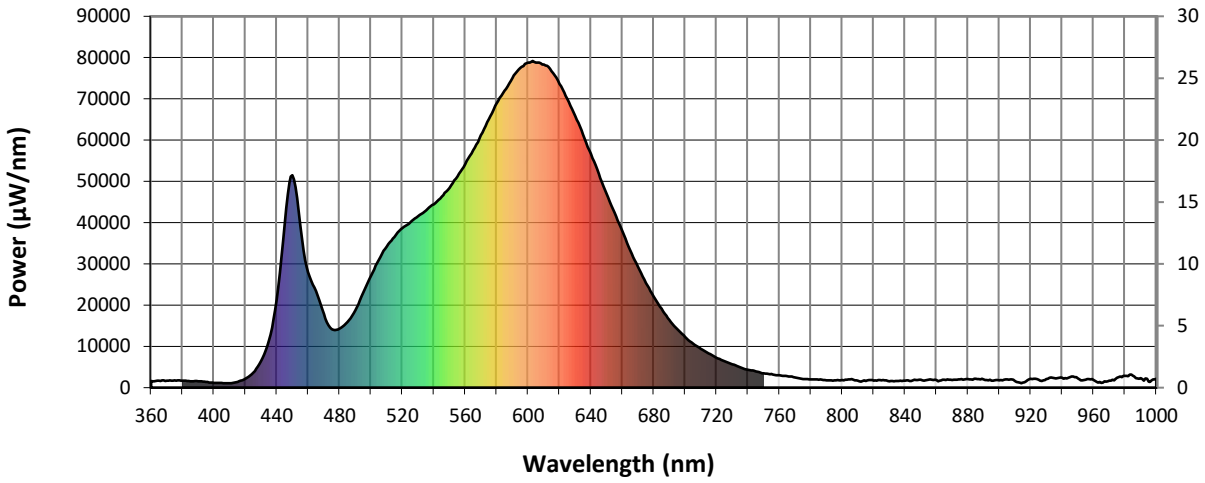
Melanopic Flux vs. Wavelength



Melanopic Lumens: 2079.1 **M/P: 0.53**

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	1638	NR	490	18774	NR	620	73569	NR	750	3454	NR	880	2051	NR
365	1662	NR	495	22975	NR	625	70020	NR	755	3312	NR	885	2153	NR
370	1656	NR	500	27096	NR	630	65803	NR	760	3014	NR	890	2009	NR
375	1770	NR	505	30929	NR	635	61387	NR	765	2769	NR	895	1712	NR
380	1729	NR	510	34180	NR	640	56660	NR	770	2504	NR	900	1761	NR
385	1518	NR	515	36518	NR	645	51817	NR	775	2115	NR	905	1983	NR
390	1548	NR	520	38707	NR	650	46959	NR	780	2019	NR	910	1641	NR
395	1397	NR	525	40022	NR	655	42381	NR	785	1959	NR	915	1210	NR
400	1152	NR	530	41531	NR	660	37988	NR	790	1801	NR	920	2137	NR
405	1114	NR	535	42959	NR	665	33226	NR	795	1791	NR	925	1888	NR
410	1082	NR	540	44456	NR	670	29309	NR	800	1854	NR	930	2049	NR
415	1365	NR	545	46323	NR	675	25362	NR	805	2036	NR	935	2328	NR
420	2134	NR	550	48405	NR	680	22111	NR	810	1669	NR	940	2366	NR
425	3614	NR	555	51180	NR	685	19110	NR	815	1640	NR	945	2536	NR
430	6425	NR	560	54143	NR	690	16401	NR	820	1697	NR	950	2198	NR
435	11468	NR	565	57516	NR	695	14174	NR	825	1795	NR	955	1936	NR
440	21323	NR	570	61145	NR	700	12303	NR	830	1560	NR	960	1858	NR
445	39520	NR	575	65023	NR	705	10670	NR	835	1592	NR	965	1183	NR
450	51461	NR	580	68883	NR	710	9399	NR	840	1683	NR	970	1720	NR
455	39205	NR	585	71953	NR	715	8320	NR	845	1780	NR	975	2378	NR
460	27949	NR	590	75087	NR	720	7212	NR	850	1939	NR	980	2863	NR
465	23410	NR	595	77461	NR	725	6424	NR	855	1958	NR	985	2933	NR
470	17812	NR	600	78820	NR	730	5661	NR	860	1851	NR	990	2307	NR
475	14177	NR	605	78757	NR	735	4959	NR	865	1941	NR	995	1431	NR
480	14309	NR	610	78335	NR	740	4317	NR	870	1825	NR	1000	2153	NR
485	15862	NR	615	76712	NR	745	3947	NR	875	2023	NR			

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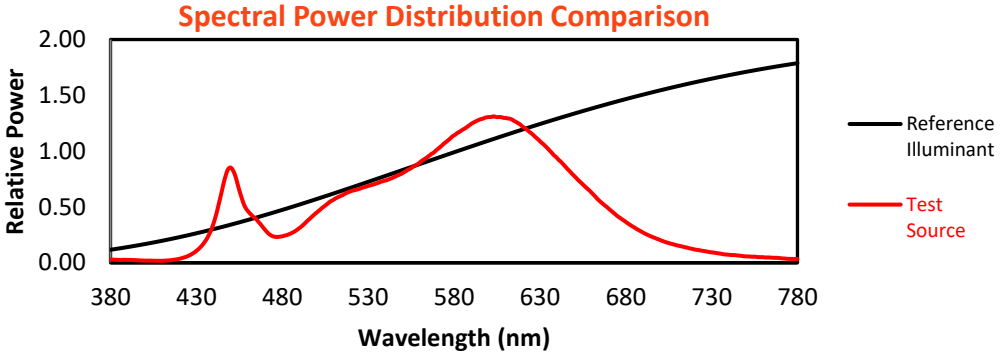
TM-30-18

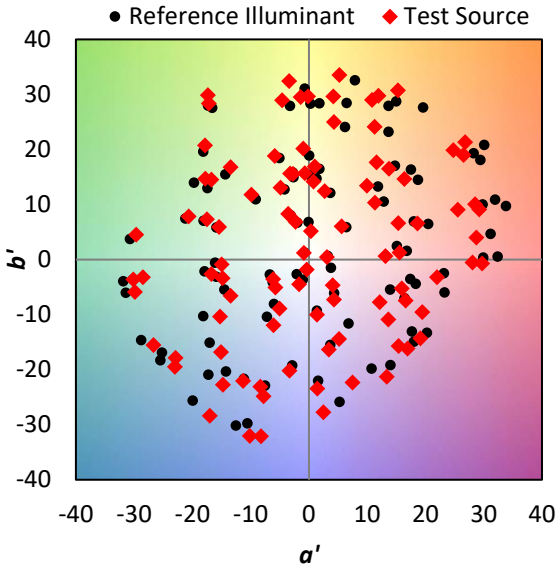
Summary

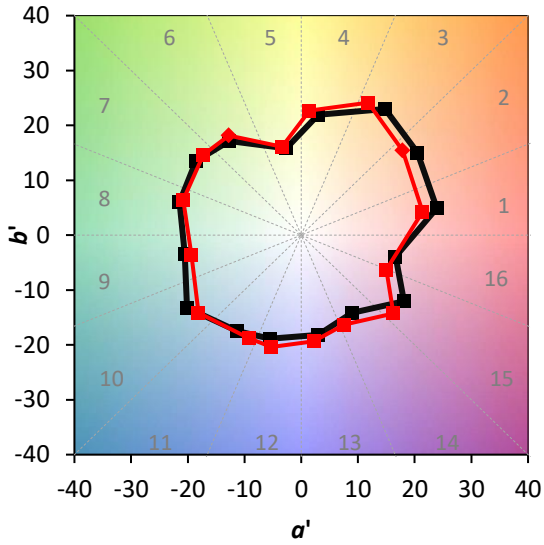
R_f = 85.3
R_g = 97.6
CIE R_a = 83.9
R_9 = 12.3

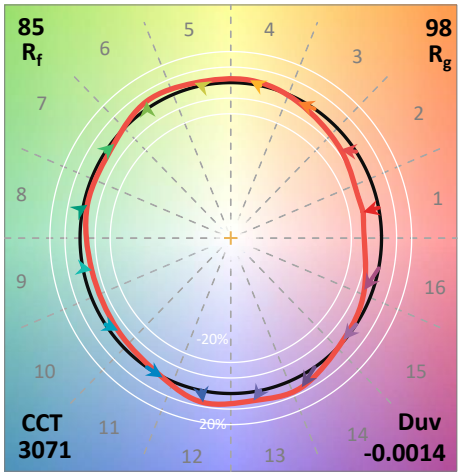
Spectral Power Distribution Comparison

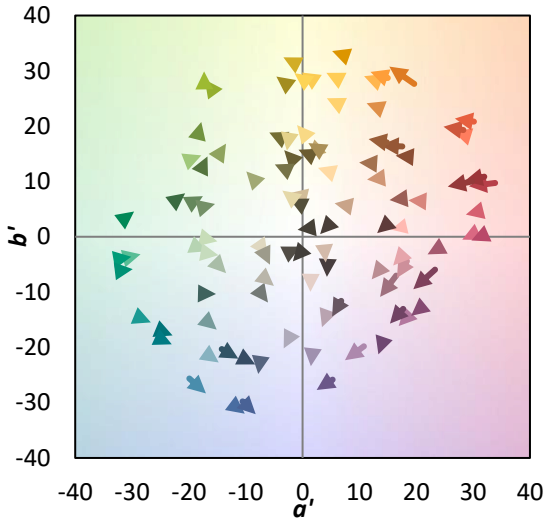


Color Vector Graphics









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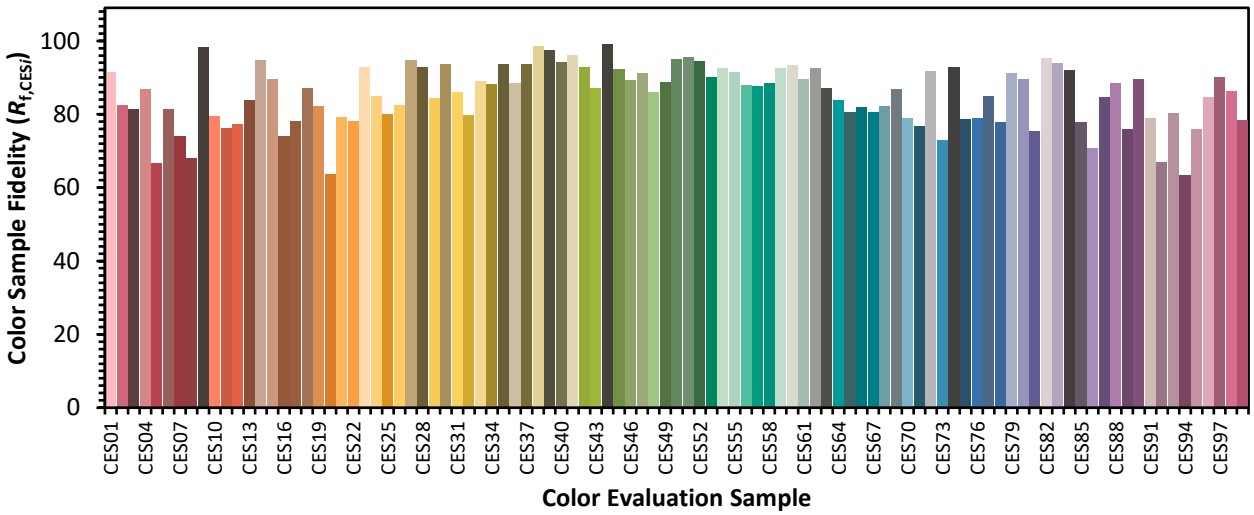
Individual Sample Fidelity Index ($R_{f,i}$)

CES01 = 86	CES26 = 82	CES51 = 96	CES76 = 79
CES02 = 63	CES27 = 95	CES52 = 94	CES77 = 85
CES03 = 31	CES28 = 93	CES53 = 90	CES78 = 78
CES04 = 70	CES29 = 84	CES54 = 93	CES79 = 91
CES05 = 50	CES30 = 94	CES55 = 92	CES80 = 90
CES06 = 51	CES31 = 86	CES56 = 88	CES81 = 75
CES07 = 42	CES32 = 80	CES57 = 88	CES82 = 95
CES08 = 41	CES33 = 89	CES58 = 89	CES83 = 94
CES09 = 29	CES34 = 88	CES59 = 93	CES84 = 92
CES10 = 76	CES35 = 94	CES60 = 93	CES85 = 78
CES11 = 59	CES36 = 88	CES61 = 90	CES86 = 71
CES12 = 65	CES37 = 94	CES62 = 93	CES87 = 85
CES13 = 43	CES38 = 98	CES63 = 87	CES88 = 88
CES14 = 74	CES39 = 97	CES64 = 84	CES89 = 76
CES15 = 72	CES40 = 94	CES65 = 81	CES90 = 90
CES16 = 48	CES41 = 96	CES66 = 82	CES91 = 79
CES17 = 50	CES42 = 93	CES67 = 81	CES92 = 67
CES18 = 56	CES43 = 87	CES68 = 82	CES93 = 80
CES19 = 72	CES44 = 99	CES69 = 87	CES94 = 63
CES20 = 67	CES45 = 92	CES70 = 79	CES95 = 76
CES21 = 87	CES46 = 89	CES71 = 77	CES96 = 85
CES22 = 79	CES47 = 91	CES72 = 92	CES97 = 90
CES23 = 92	CES48 = 86	CES73 = 73	CES98 = 86
CES24 = 91	CES49 = 89	CES74 = 93	CES99 = 78
CES25 = 72	CES50 = 95	CES75 = 79	



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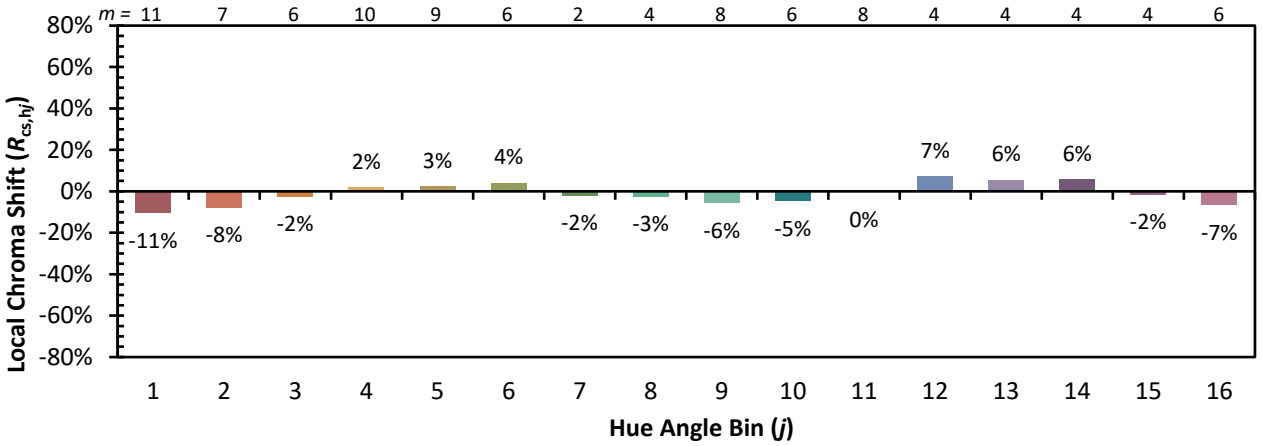
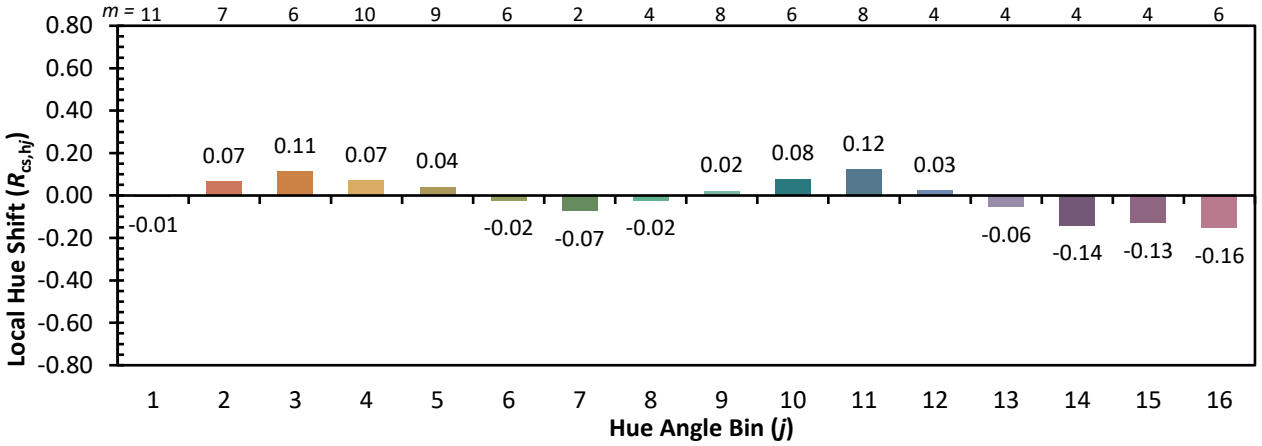
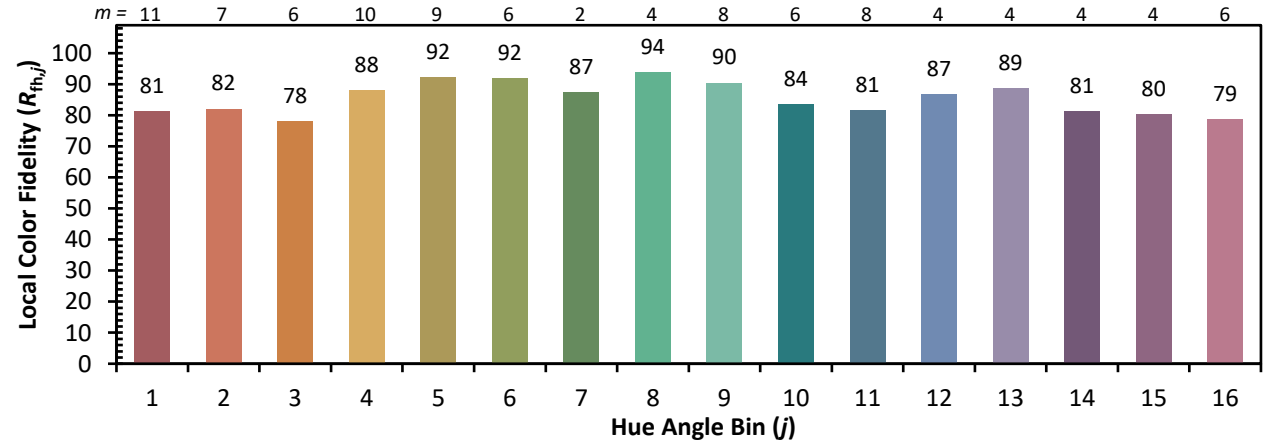
Color Rendition by Hue-Angle Bin







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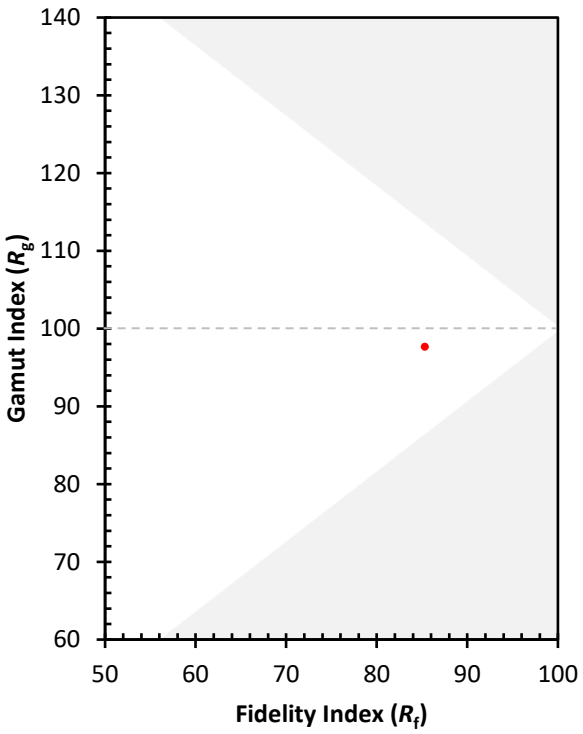
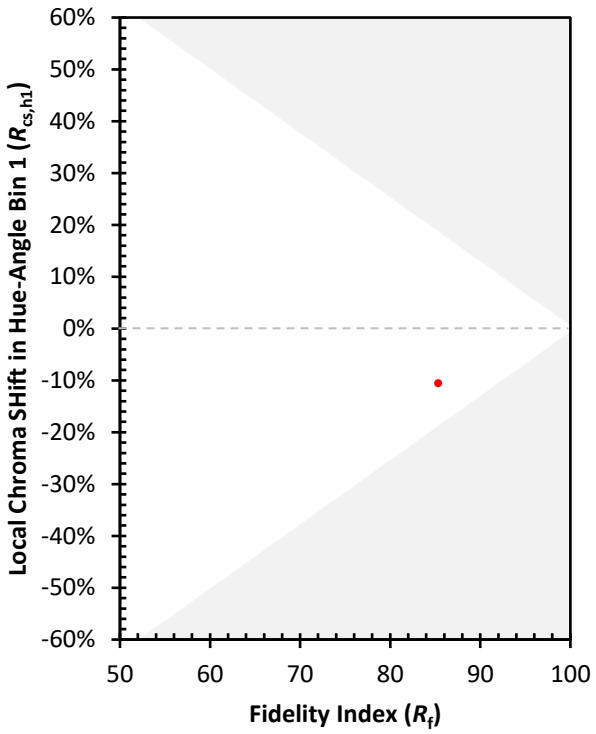
Measure Comparisons





Cooper Lighting Solutions Photometric Lab
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Peachtree City, GA 30269

Scaled Data Report

TEST NUMBER: P958979
CATALOG NUMBER: CB2-B-085U-030D-830-1D-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	10.44	11.09	11.62	12.24	13.89	9.35	9.99	10.52	11.15	12.79
	3H	12.07	12.65	13.26	13.81	15.47	10.86	11.43	12.04	12.60	14.25
	4H	12.69	13.24	13.88	14.40	16.06	11.42	11.96	12.61	13.13	14.79
	6H	13.08	13.58	14.28	14.75	16.42	11.78	12.28	12.98	13.45	15.12
	8H	13.22	13.70	14.42	14.88	16.54	11.91	12.39	13.11	13.57	15.23
	12H	13.29	13.74	14.49	14.92	16.60	11.97	12.42	13.17	13.60	15.28
4H	2H	10.83	11.37	12.03	12.54	14.20	9.95	10.50	11.15	11.66	13.32
	3H	12.68	13.13	13.88	14.32	15.99	11.67	12.12	12.87	13.31	14.98
	4H	13.41	13.83	14.62	15.01	16.70	12.33	12.75	13.54	13.93	15.62
	6H	13.92	14.28	15.13	15.48	17.16	12.79	13.15	14.00	14.36	16.03
	8H	14.12	14.45	15.33	15.65	17.34	12.98	13.31	14.19	14.51	16.20
	12H	14.21	14.52	15.44	15.72	17.42	13.06	13.36	14.28	14.56	16.26
8H	4H	13.55	13.89	14.76	15.08	16.77	12.59	12.92	13.79	14.12	15.81
	6H	14.18	14.46	15.41	15.70	17.39	13.18	13.46	14.41	14.70	16.38
	8H	14.47	14.71	15.70	15.92	17.64	13.46	13.70	14.69	14.91	16.62
	12H	14.64	14.85	15.87	16.06	17.80	13.60	13.81	14.83	15.02	16.76
12H	4H	13.52	13.82	14.74	15.03	16.73	12.58	12.88	13.80	14.09	15.79
	6H	14.21	14.45	15.44	15.66	17.37	13.24	13.48	14.47	14.70	16.41
	8H	14.52	14.73	15.75	15.94	17.68	13.54	13.75	14.77	14.96	16.70

END OF REPORT