

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: P1216102

Luminaire Tested: 24-ID2-80-CNC-L935-U

Issue Date: 12/5/2025

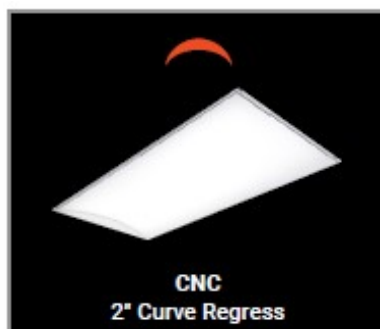
Test Information

Test Method: LM-79-2019
Report Number: P1216102
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2508-510-9)
Test Lab: INNOVATION CENTER
Issue Date: 12/5/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: 24-ID2-80-CNC-L935-U
Description: 2X4 IN DEPTH TROFFER WITH 2INCH CURVE REGRESSED
Light Source: 3500K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

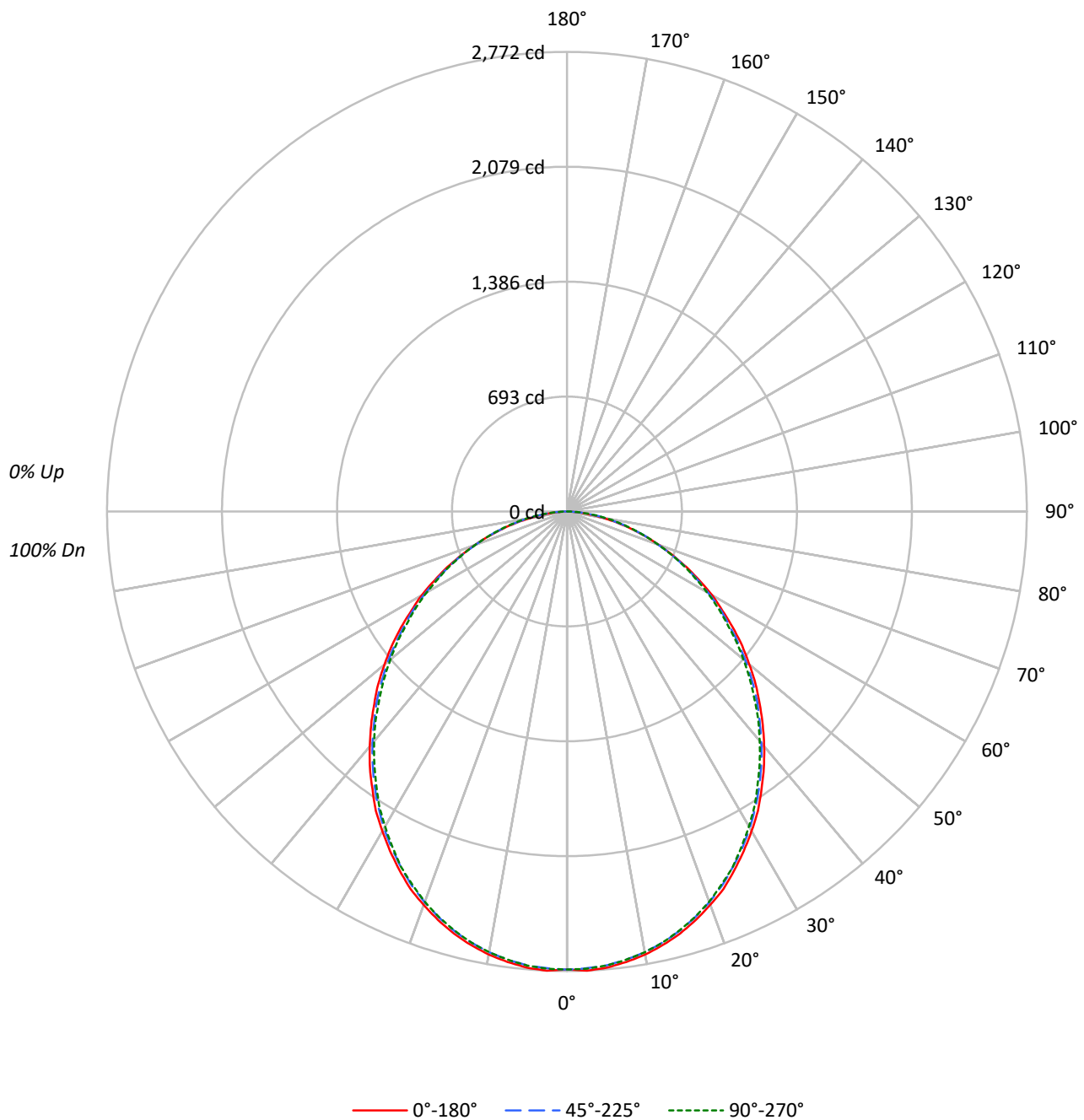
Lumens per Lamp: N/A
Luminaire Lumens: 6989.2 lumens
Efficiency: N/A
Efficacy: 101.1 lumens/watt
Spacing Criteria (0/90/45): 1.2 / 1.19 / 1.29
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 69.1
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



TEST NUMBER: P1216102
CATALOG NUMBER: 24-ID2-80-CNC-L935-U

Luminous Intensity Polar Plot



TEST NUMBER: P1216102

CATALOG NUMBER: 24-ID2-80-CNC-L935-U

COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				20
RC	80				70				50				30				0
RW	70	50	30	10	70	50	30	10	50	30	10		50	30	10		0
RCR																	
0	119	119	119	119	116	116	116	116	111	111	111		106	106	106		100
1	109	105	100	97	106	102	99	95	98	95	92		94	92	89		85
2	100	92	85	79	97	90	84	78	86	81	77		83	79	75		71
3	91	81	73	67	89	79	72	66	76	70	65		74	68	64		60
4	84	72	63	57	81	71	63	56	68	61	56		66	60	55		52
5	77	64	56	49	75	63	55	49	61	54	48		59	53	48		45
6	71	58	49	43	69	57	49	43	55	48	42		54	47	42		40
7	66	53	44	38	64	52	44	38	51	43	38		49	42	37		35
8	62	48	40	34	60	48	40	34	46	39	34		45	38	34		32
9	58	44	36	31	56	44	36	31	43	36	31		42	35	30		29
10	54	41	33	28	53	41	33	28	40	33	28		39	32	28		26

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	3717	3717	3717
5°	3730	3711	3713
10°	3707	3688	3688
15°	3671	3650	3645
20°	3616	3591	3587
25°	3544	3513	3511
30°	3457	3426	3408
35°	3358	3319	3292
40°	3248	3202	3175
45°	3126	3084	3040
50°	3003	2948	2906
55°	2863	2795	2758
60°	2720	2648	2622
65°	2534	2488	2481
70°	2319	2307	2300
75°	2071	2106	2121
80°	1689	1839	1929
85°	1161	1474	1474

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 3126 cd/sqm

TEST NUMBER: P1216102
 CATALOG NUMBER: 24-ID2-80-CNC-L935-U

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	260.9	3.7
10°-20°	738.7	10.6
20°-30°	1091.0	15.6
30°-40°	1264.8	18.1
40°-50°	1249.4	17.9
50°-60°	1070.4	15.3
60°-70°	776.7	11.1
70°-80°	428.7	6.1
80°-90°	108.7	1.6
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°-30°	2090.5	29.9
0°-40°	3355.3	48.0
0°-60°	5675.1	81.2
0°-90°	6989.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6989.2	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2763	2763	2763	2763	2763	
5°	2762	2751	2747	2742	2749	262
15°	2635	2626	2620	2614	2617	743
25°	2388	2378	2366	2361	2365	1099
35°	2044	2036	2021	2011	2004	1279
45°	1643	1632	1621	1604	1598	1269
55°	1220	1209	1191	1182	1176	1092
65°	796	789	781	778	779	788
75°	398	396	405	408	408	421
85°	75	83	96	96	96	94
90°	0	0	0	0	0	

TEST NUMBER: P1216102

CATALOG NUMBER: 24-ID2-80-CNC-L935-U

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2762.7	2762.7	2762.7	2762.7	2762.7
2.5°	2772.4	2762.7	2757.9	2754.1	2759.8
5°	2761.8	2751.2	2747.3	2742.5	2749.2
7.5°	2740.6	2731.9	2727.0	2723.2	2727.0
10°	2713.5	2703.9	2699.1	2696.2	2699.1
12.5°	2677.9	2671.1	2663.4	2657.6	2663.4
15°	2635.4	2625.8	2620.0	2614.2	2617.1
17.5°	2583.3	2574.6	2566.9	2562.1	2565.0
20°	2525.4	2514.8	2508.1	2503.3	2505.2
22.5°	2464.7	2451.2	2442.5	2434.8	2435.7
25°	2387.5	2377.8	2366.3	2361.4	2365.3
27.5°	2308.4	2297.8	2288.1	2280.4	2278.5
30°	2225.4	2215.8	2205.2	2196.5	2193.6
32.5°	2142.5	2126.1	2114.5	2105.8	2104.9
35°	2044.1	2036.4	2020.9	2011.3	2004.5
37.5°	1950.5	1938.9	1923.5	1914.8	1908.1
40°	1849.2	1837.6	1823.2	1810.6	1807.7
42.5°	1747.0	1738.3	1719.0	1711.3	1706.5
45°	1642.8	1632.2	1620.6	1604.2	1597.5
47.5°	1543.4	1532.8	1513.5	1499.1	1495.2
50°	1434.4	1421.9	1408.4	1391.0	1388.1
52.5°	1331.2	1316.7	1299.4	1291.7	1285.9
55°	1220.3	1208.7	1191.3	1181.7	1175.9
57.5°	1110.3	1103.6	1092.0	1078.5	1077.5
60°	1010.9	997.4	983.9	974.3	974.3
62.5°	900.0	895.2	881.7	875.9	873.0
65°	795.8	789.1	781.4	777.5	779.4
67.5°	688.8	687.8	682.0	683.0	681.0
70°	589.4	585.5	586.5	588.4	584.6
72.5°	492.9	490.0	494.9	495.8	497.8
75°	398.4	396.5	405.2	408.0	408.0
77.5°	303.9	309.7	319.3	327.0	327.0
80°	218.0	225.7	237.3	244.1	248.9
82.5°	139.9	152.4	163.0	167.8	167.8
85°	75.2	83.0	95.5	96.5	95.5
87.5°	23.2	28.9	34.7	36.7	37.6
90°	0.0	0.0	0.0	0.0	0.0

TEST NUMBER: P1216102

CATALOG NUMBER: 24-ID2-80-CNC-L935-U

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	15.60	17.20	15.96	17.51	17.82	15.43	17.03	15.79	17.34	17.65
	3H	17.24	18.68	17.61	19.01	19.37	17.12	18.56	17.50	18.89	19.25
	4H	17.82	19.18	18.22	19.53	19.90	17.75	19.10	18.15	19.45	19.83
	6H	18.20	19.46	18.62	19.83	20.22	18.22	19.48	18.63	19.84	20.23
	8H	18.30	19.50	18.73	19.89	20.29	18.36	19.56	18.79	19.95	20.35
	12H	18.35	19.50	18.78	19.88	20.31	18.45	19.60	18.88	19.98	20.41
4H	2H	16.16	17.52	16.56	17.87	18.24	16.03	17.38	16.43	17.73	18.11
	3H	18.02	19.16	18.43	19.55	19.95	17.94	19.07	18.35	19.47	19.87
	4H	18.73	19.75	19.16	20.16	20.60	18.69	19.72	19.12	20.13	20.57
	6H	19.23	20.12	19.68	20.56	21.02	19.29	20.18	19.74	20.62	21.08
	8H	19.37	20.20	19.83	20.64	21.11	19.48	20.31	19.94	20.76	21.22
	12H	19.45	20.20	19.93	20.67	21.14	19.60	20.35	20.08	20.83	21.30
8H	4H	19.01	19.84	19.47	20.28	20.75	18.98	19.81	19.44	20.26	20.72
	6H	19.61	20.31	20.11	20.80	21.27	19.69	20.38	20.18	20.87	21.35
	8H	19.81	20.44	20.32	20.94	21.43	19.94	20.57	20.45	21.07	21.56
	12H	19.95	20.50	20.45	20.99	21.55	20.13	20.68	20.64	21.17	21.73
12H	4H	19.03	19.78	19.51	20.26	20.73	19.00	19.75	19.48	20.23	20.70
	6H	19.66	20.28	20.17	20.79	21.28	19.73	20.35	20.24	20.86	21.35
	8H	19.91	20.46	20.42	20.95	21.52	20.04	20.59	20.55	21.08	21.64

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

Report Prepared for

Cooper Lighting Solutions

Corelite

Report Number: SP1-2506-458-10

Test Date: 08/26/2025

Luminaire Tested: 22ID2-55-CFR1-L935-U

Data in this report applies to families of products including 22ID2-55-CFR1-L935-U

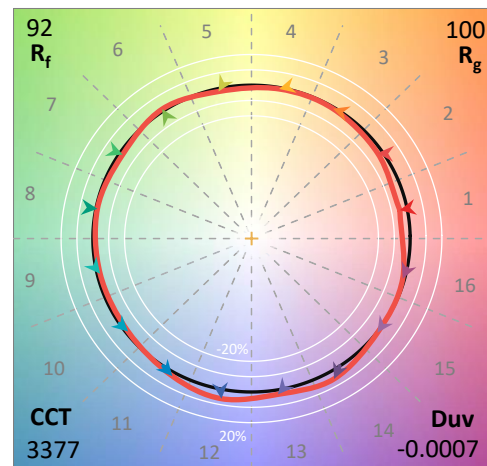
Test Information

Test Method: LM-79-2019
 Report Number: SP1-2506-458-10
 Test Lab: COOPER LIGHTING SOLUTIONS
 Photometer: SP1 - 76IN SPHERE
 Measurement Geometry: 4π
 Issue Date: 08/27/2025
 Manufacturer: COOPER LIGHTING SOLUTIONS
 Product Line: Corelite
 Catalog Number: **22ID2-55-CFR1-L935-U**
 Description: 2X2 CGTX WITH INDEPTH FRAME AND CFR1 LENS - 5500 LUMEN 3500K 90CRI

Spectral Parameters

CCT (K): 3377
 CIE u' : 0.2392
 CIE v' : 0.5128
 Duv: -0.0007
 CIE x: 0.4116
 CIE y: 0.3922
 CIE z: 0.1962
 Peak Wavelength (nm): 618
 Dominant Wavelength (nm): 581
 Purity: 41.24368
 Rf: 91.8
 Rg: 99.6

CRI (Ra): 93.6
 R1: 94.1
 R2: 96.6
 R3: 97.5
 R4: 94.0
 R5: 93.6
 R6: 94.8
 R7: 93.4
 R8: 84.8
 R9: 64.2
 R10: 91.1
 R11: 94.7
 R12: 78.5
 R13: 95.0
 R14: 98.1
 R15: 91.0



Test Conditions

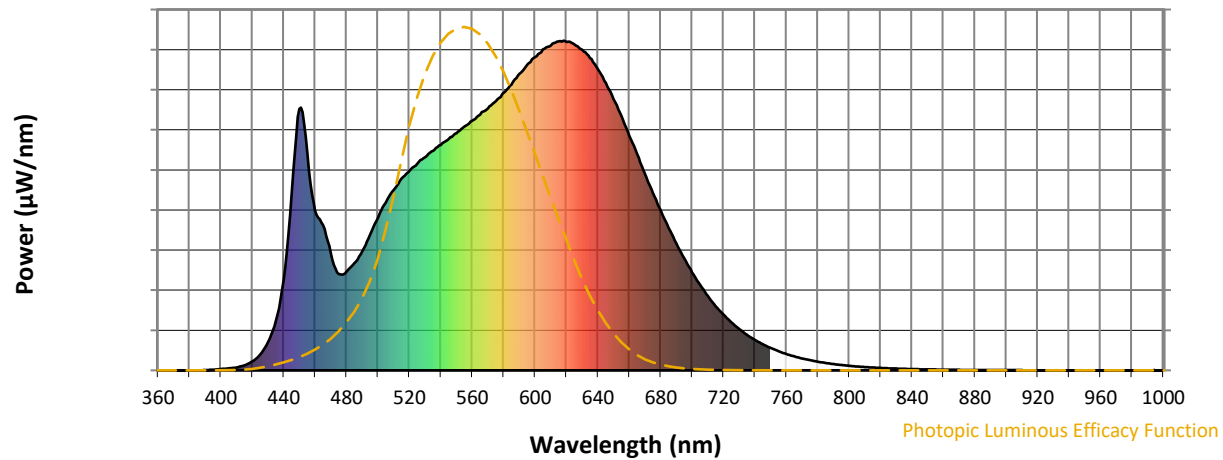
Stabilization Time: 32M
 Operation Time: 1H 32M
 Sphere Temperature (°C): 25.2

REPORT NUMBER: SP1-2506-458-10

Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	76INCH SPHERE IN0058	6/16/2025	12/16/2025
Power Meter	XITRON INXT2011004	1/21/2025	1/21/2026
AC Power Source	CHROMA 61603 IN0063	10/22/2024	10/22/2025
DC Power Source	AGILENT E3634A IN0208	10/22/2024	10/22/2025
Sphere Thermometer	ONSET IN0085	10/22/2024	10/22/2025
Room Thermometer	ONSET IN0046	10/22/2024	10/22/2025

REPORT NUMBER: SP1-2506-458-10

Photopic Flux vs. Wavelength

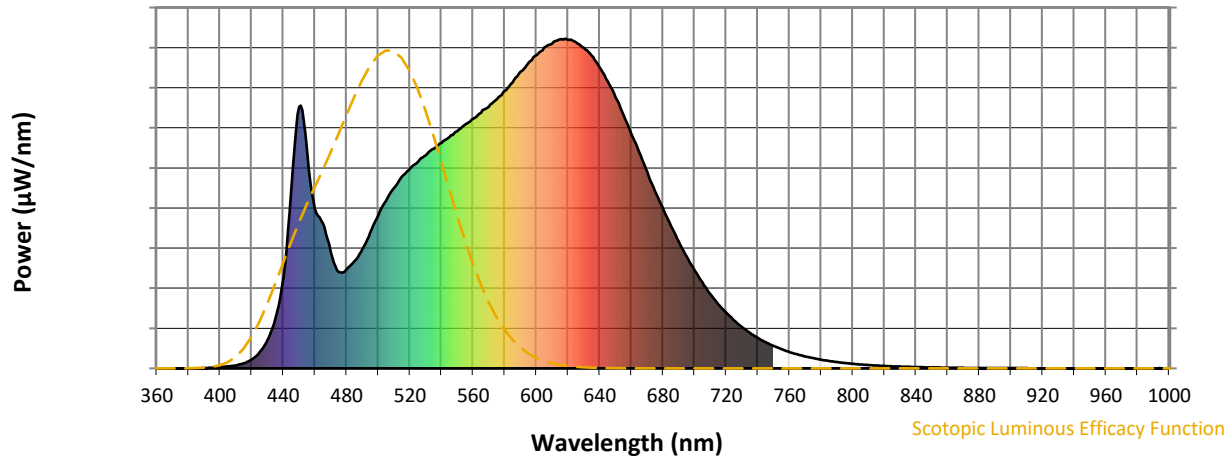


Photopic Lumens: NR

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	362	NR	620	996	NR	750	68	NR	880	1	NR
365	0	NR	495	412	NR	625	989	NR	755	58	NR	885	1	NR
370	0	NR	500	463	NR	630	973	NR	760	49	NR	890	1	NR
375	0	NR	505	509	NR	635	947	NR	765	42	NR	895	1	NR
380	0	NR	510	548	NR	640	914	NR	770	36	NR	900	1	NR
385	0	NR	515	582	NR	645	872	NR	775	31	NR	905	1	NR
390	1	NR	520	605	NR	650	822	NR	780	26	NR	910	1	NR
395	2	NR	525	626	NR	655	770	NR	785	22	NR	915	1	NR
400	4	NR	530	646	NR	660	712	NR	790	19	NR	920	0	NR
405	6	NR	535	666	NR	665	656	NR	795	16	NR	925	0	NR
410	9	NR	540	683	NR	670	596	NR	800	14	NR	930	0	NR
415	15	NR	545	702	NR	675	538	NR	805	12	NR	935	0	NR
420	27	NR	550	720	NR	680	486	NR	810	10	NR	940	0	NR
425	48	NR	555	740	NR	685	432	NR	815	9	NR	945	0	NR
430	85	NR	560	757	NR	690	385	NR	820	7	NR	950	0	NR
435	152	NR	565	776	NR	695	339	NR	825	6	NR	955	0	NR
440	274	NR	570	794	NR	700	297	NR	830	5	NR	960	0	NR
445	536	NR	575	816	NR	705	260	NR	835	5	NR	965	0	NR
450	793	NR	580	842	NR	710	225	NR	840	4	NR	970	0	NR
455	659	NR	585	867	NR	715	194	NR	845	3	NR	975	0	NR
460	484	NR	590	899	NR	720	169	NR	850	3	NR	980	0	NR
465	441	NR	595	927	NR	725	146	NR	855	2	NR	985	0	NR
470	353	NR	600	950	NR	730	125	NR	860	2	NR	990	0	NR
475	293	NR	605	974	NR	735	107	NR	865	2	NR	995	0	NR
480	300	NR	610	986	NR	740	92	NR	870	2	NR	1000	0	NR
485	325	NR	615	998	NR	745	79	NR	875	1	NR			

REPORT NUMBER: SP1-2506-458-10

Scotopic Flux vs. Wavelength



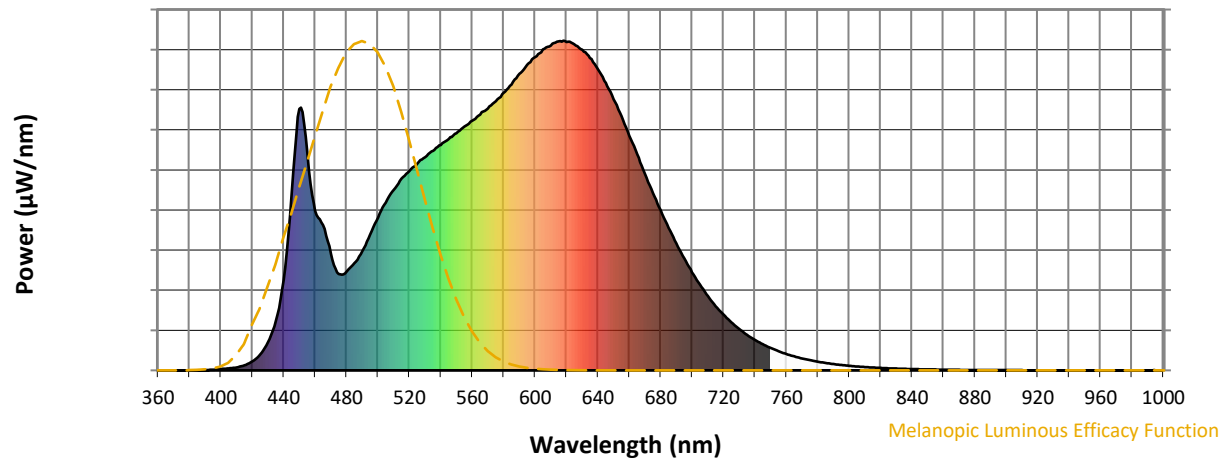
Scotopic Lumens: NR

S/P: 1.58

λ (nm)	Power W ^Λ /nm	Lumens (Φ/nm)	λ (nm)	Power W ^Λ /nm	Lumens (Φ/nm)	λ (nm)	Power W ^Λ /nm	Lumens (Φ/nm)	λ (nm)	Power W ^Λ /nm	Lumens (Φ/nm)	λ (nm)	Power W ^Λ /nm	Lumens (Φ/nm)
360	0	NR	490	362	NR	620	996	NR	750	68	NR	880	1	NR
365	0	NR	495	412	NR	625	989	NR	755	58	NR	885	1	NR
370	0	NR	500	463	NR	630	973	NR	760	49	NR	890	1	NR
375	0	NR	505	509	NR	635	947	NR	765	42	NR	895	1	NR
380	0	NR	510	548	NR	640	914	NR	770	36	NR	900	1	NR
385	0	NR	515	582	NR	645	872	NR	775	31	NR	905	1	NR
390	1	NR	520	605	NR	650	822	NR	780	26	NR	910	1	NR
395	2	NR	525	626	NR	655	770	NR	785	22	NR	915	1	NR
400	4	NR	530	646	NR	660	712	NR	790	19	NR	920	0	NR
405	6	NR	535	666	NR	665	656	NR	795	16	NR	925	0	NR
410	9	NR	540	683	NR	670	596	NR	800	14	NR	930	0	NR
415	15	NR	545	702	NR	675	538	NR	805	12	NR	935	0	NR
420	27	NR	550	720	NR	680	486	NR	810	10	NR	940	0	NR
425	48	NR	555	740	NR	685	432	NR	815	9	NR	945	0	NR
430	85	NR	560	757	NR	690	385	NR	820	7	NR	950	0	NR
435	152	NR	565	776	NR	695	339	NR	825	6	NR	955	0	NR
440	274	NR	570	794	NR	700	297	NR	830	5	NR	960	0	NR
445	536	NR	575	816	NR	705	260	NR	835	5	NR	965	0	NR
450	793	NR	580	842	NR	710	225	NR	840	4	NR	970	0	NR
455	659	NR	585	867	NR	715	194	NR	845	3	NR	975	0	NR
460	484	NR	590	899	NR	720	169	NR	850	3	NR	980	0	NR
465	441	NR	595	927	NR	725	146	NR	855	2	NR	985	0	NR
470	353	NR	600	950	NR	730	125	NR	860	2	NR	990	0	NR
475	293	NR	605	974	NR	735	107	NR	865	2	NR	995	0	NR
480	300	NR	610	986	NR	740	92	NR	870	2	NR	1000	0	NR
485	325	NR	615	998	NR	745	79	NR	875	1	NR			

REPORT NUMBER: SP1-2506-458-10

Melanopic Flux vs. Wavelength


Melanopic Lumens: NR
M/P: 3.19

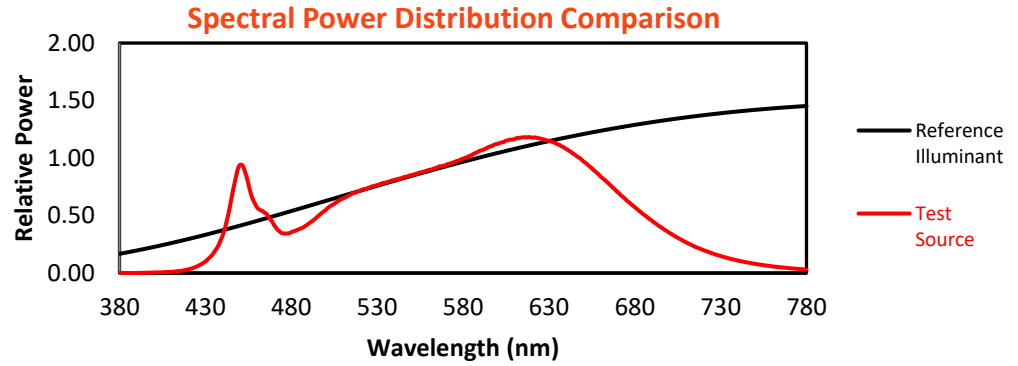
λ (nm)	Power $\text{W}^\wedge/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^\wedge/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^\wedge/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^\wedge/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^\wedge/\text{nm}$	Lumens (ϕ/nm)
360	0	NR	490	362	NR	620	996	NR	750	68	NR	880	1	NR
365	0	NR	495	412	NR	625	989	NR	755	58	NR	885	1	NR
370	0	NR	500	463	NR	630	973	NR	760	49	NR	890	1	NR
375	0	NR	505	509	NR	635	947	NR	765	42	NR	895	1	NR
380	0	NR	510	548	NR	640	914	NR	770	36	NR	900	1	NR
385	0	NR	515	582	NR	645	872	NR	775	31	NR	905	1	NR
390	1	NR	520	605	NR	650	822	NR	780	26	NR	910	1	NR
395	2	NR	525	626	NR	655	770	NR	785	22	NR	915	1	NR
400	4	NR	530	646	NR	660	712	NR	790	19	NR	920	0	NR
405	6	NR	535	666	NR	665	656	NR	795	16	NR	925	0	NR
410	9	NR	540	683	NR	670	596	NR	800	14	NR	930	0	NR
415	15	NR	545	702	NR	675	538	NR	805	12	NR	935	0	NR
420	27	NR	550	720	NR	680	486	NR	810	10	NR	940	0	NR
425	48	NR	555	740	NR	685	432	NR	815	9	NR	945	0	NR
430	85	NR	560	757	NR	690	385	NR	820	7	NR	950	0	NR
435	152	NR	565	776	NR	695	339	NR	825	6	NR	955	0	NR
440	274	NR	570	794	NR	700	297	NR	830	5	NR	960	0	NR
445	536	NR	575	816	NR	705	260	NR	835	5	NR	965	0	NR
450	793	NR	580	842	NR	710	225	NR	840	4	NR	970	0	NR
455	659	NR	585	867	NR	715	194	NR	845	3	NR	975	0	NR
460	484	NR	590	899	NR	720	169	NR	850	3	NR	980	0	NR
465	441	NR	595	927	NR	725	146	NR	855	2	NR	985	0	NR
470	353	NR	600	950	NR	730	125	NR	860	2	NR	990	0	NR
475	293	NR	605	974	NR	735	107	NR	865	2	NR	995	0	NR
480	300	NR	610	986	NR	740	92	NR	870	2	NR	1000	0	NR
485	325	NR	615	998	NR	745	79	NR	875	1	NR			

REPORT NUMBER: SP1-2506-458-10

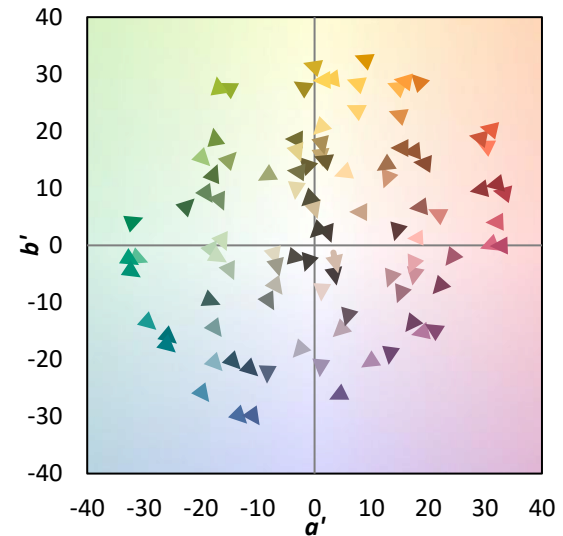
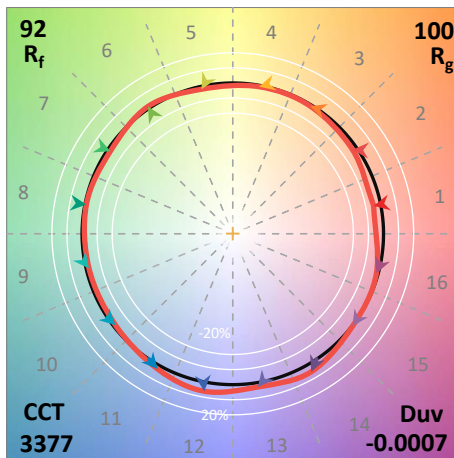
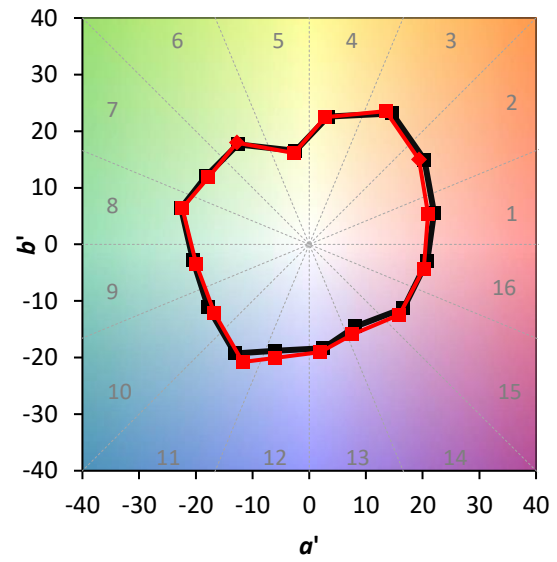
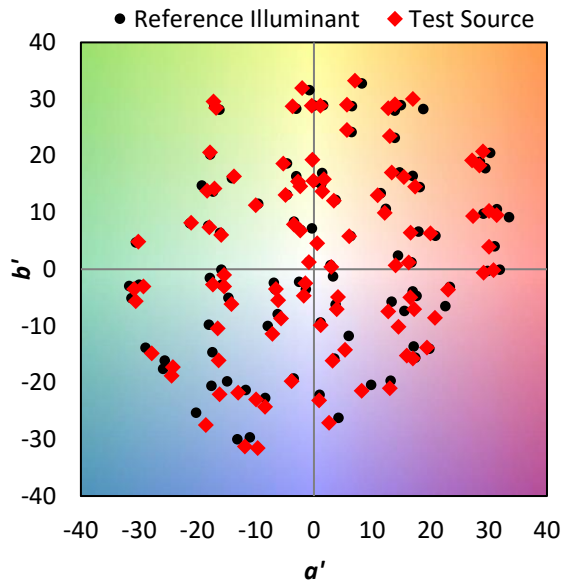
TM-30-18

Summary

$R_f = 91.8$
 $R_g = 99.6$
 $CIE R_a = 93.6$
 $R_9 = 64.2$

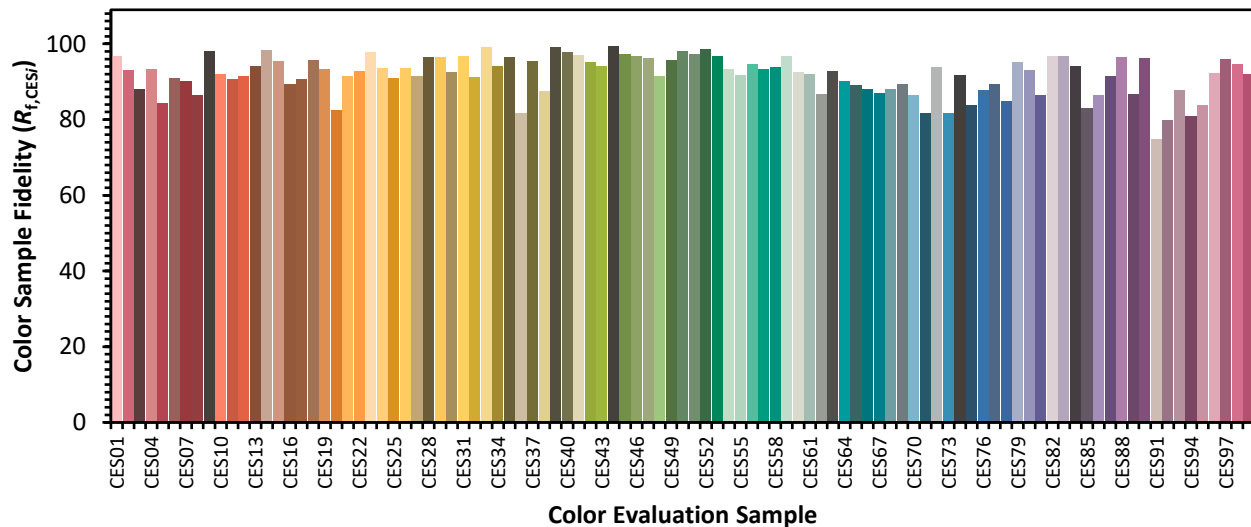


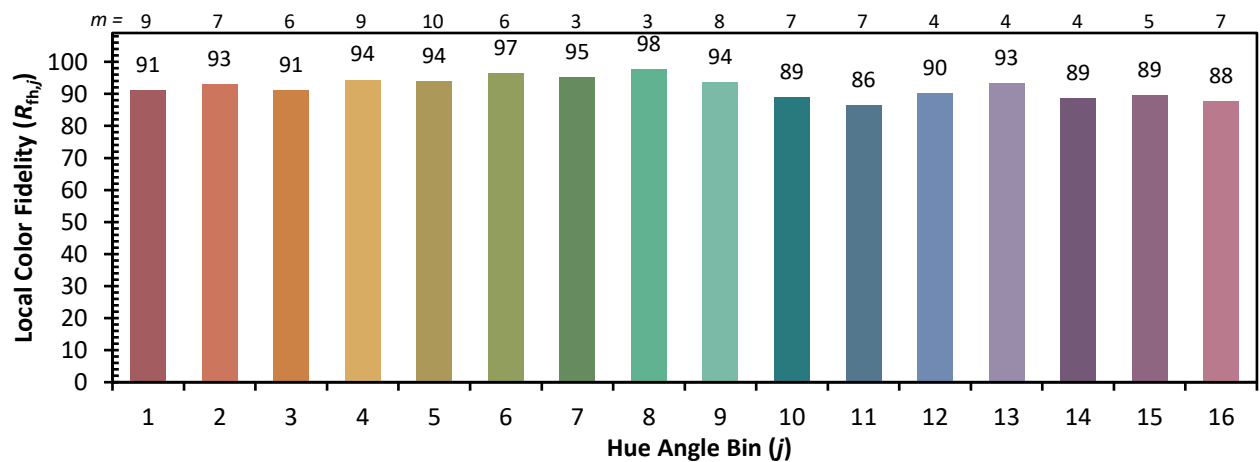
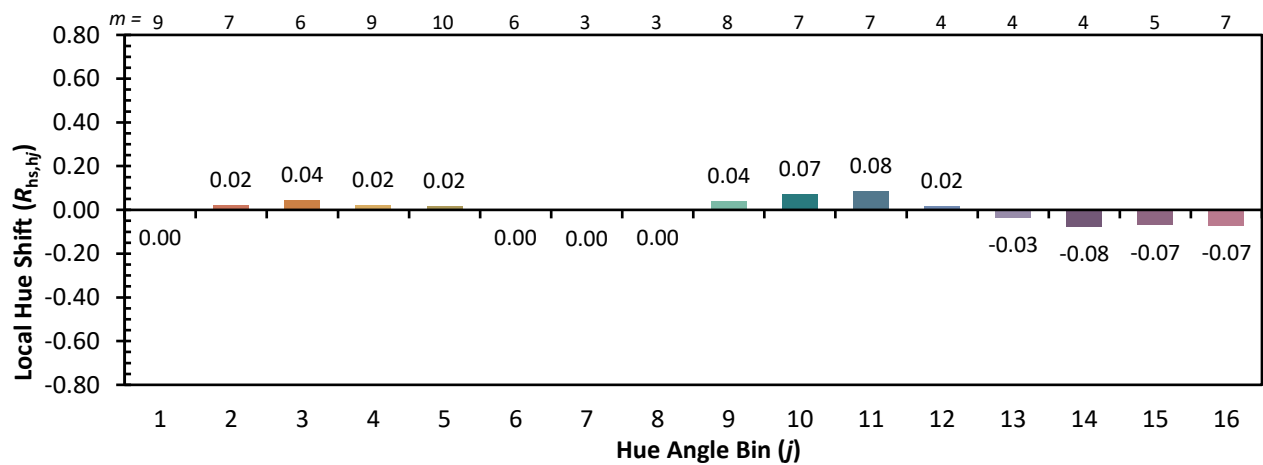
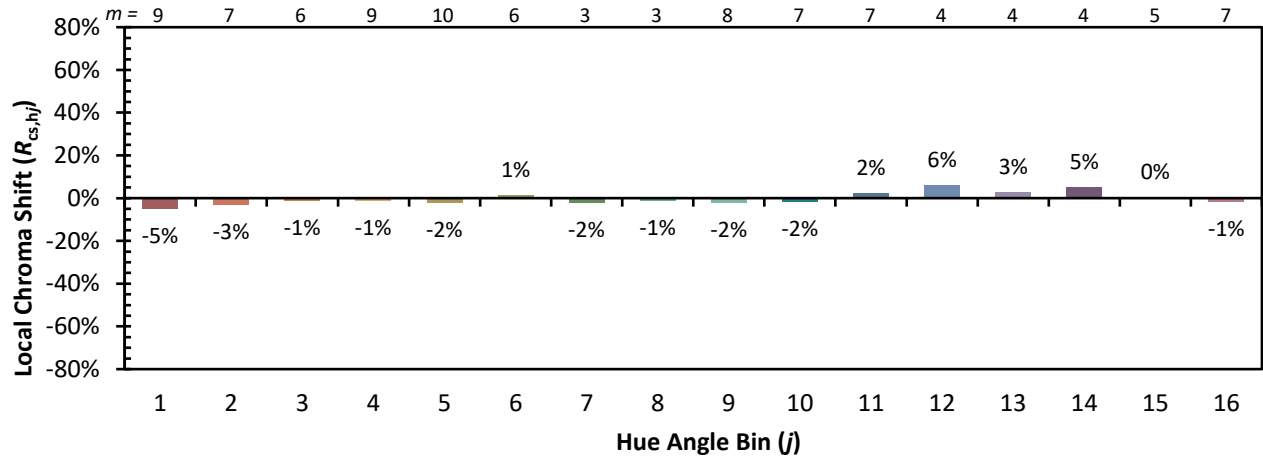
Color Vector Graphics



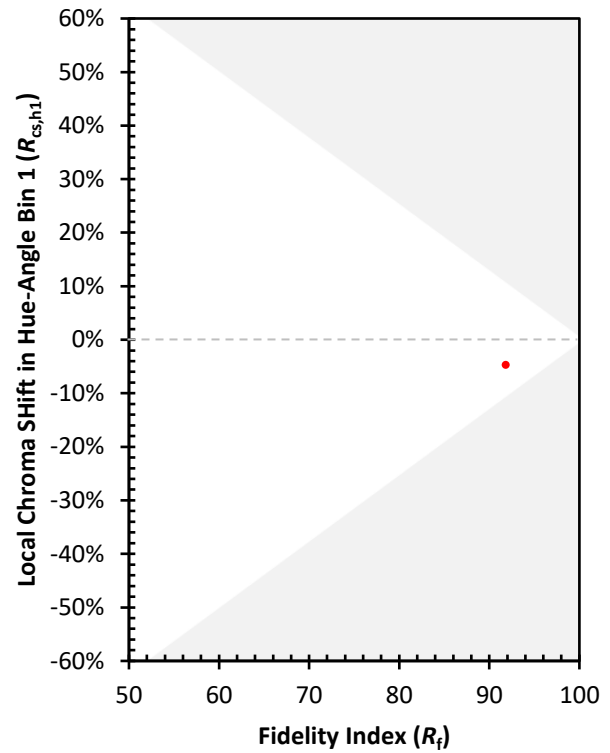
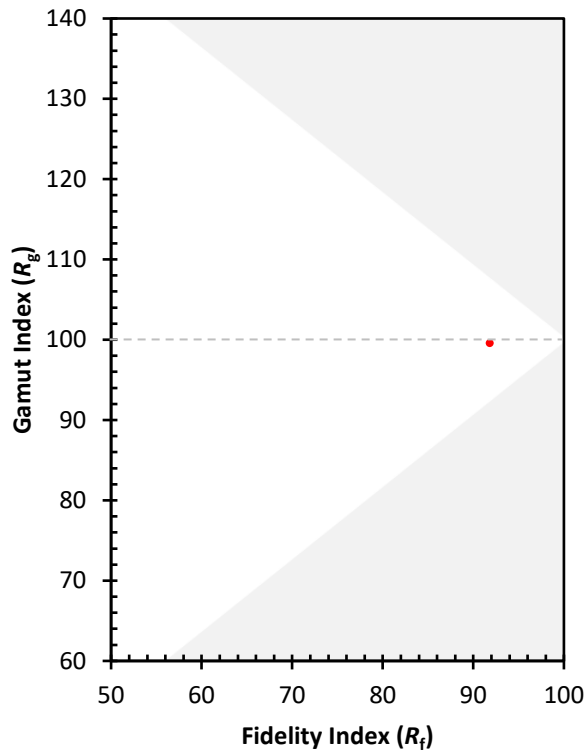
Individual Sample Fidelity Index ($R_{f,i}$)

CES01 = 86	CES26 = 94	CES51 = 97	CES76 = 88
CES02 = 62	CES27 = 92	CES52 = 99	CES77 = 89
CES03 = 31	CES28 = 96	CES53 = 97	CES78 = 85
CES04 = 70	CES29 = 96	CES54 = 93	CES79 = 95
CES05 = 50	CES30 = 92	CES55 = 92	CES80 = 93
CES06 = 51	CES31 = 97	CES56 = 95	CES81 = 86
CES07 = 43	CES32 = 91	CES57 = 93	CES82 = 97
CES08 = 42	CES33 = 99	CES58 = 94	CES83 = 97
CES09 = 29	CES34 = 94	CES59 = 97	CES84 = 94
CES10 = 75	CES35 = 96	CES60 = 92	CES85 = 83
CES11 = 58	CES36 = 82	CES61 = 92	CES86 = 86
CES12 = 64	CES37 = 95	CES62 = 87	CES87 = 91
CES13 = 43	CES38 = 87	CES63 = 93	CES88 = 97
CES14 = 74	CES39 = 99	CES64 = 90	CES89 = 87
CES15 = 72	CES40 = 98	CES65 = 89	CES90 = 96
CES16 = 48	CES41 = 97	CES66 = 88	CES91 = 75
CES17 = 50	CES42 = 95	CES67 = 87	CES92 = 80
CES18 = 56	CES43 = 94	CES68 = 88	CES93 = 88
CES19 = 71	CES44 = 99	CES69 = 89	CES94 = 81
CES20 = 67	CES45 = 97	CES70 = 86	CES95 = 84
CES21 = 86	CES46 = 97	CES71 = 82	CES96 = 92
CES22 = 78	CES47 = 96	CES72 = 94	CES97 = 96
CES23 = 91	CES48 = 92	CES73 = 82	CES98 = 95
CES24 = 90	CES49 = 96	CES74 = 92	CES99 = 92
CES25 = 71	CES50 = 98	CES75 = 84	



Color Rendition by Hue-Angle Bin


Measure Comparisons



(END OF REPORT)