

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: FAIL-SAFE

Report Number: P1357349

Luminaire Tested: 6ASL4-25VHE-3-30-UNV

Issue Date: 2/17/2026

Test Information

Test Method: LM-79-2019
Report Number: P1357349
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2511-597-12)
Test Lab: INNOVATION CENTER
Issue Date: 2/17/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: FAIL-SAFE
Catalog Number: 6ASL4-25VHE-3-30-UNV
Description: 6FT 2500 LUMEN PER FOOT 4ASL LED LUMINAIRE WITH OPL LENS AND 3000K LEDS 3 ROW
Light Source: -
Ballast/Driver: -

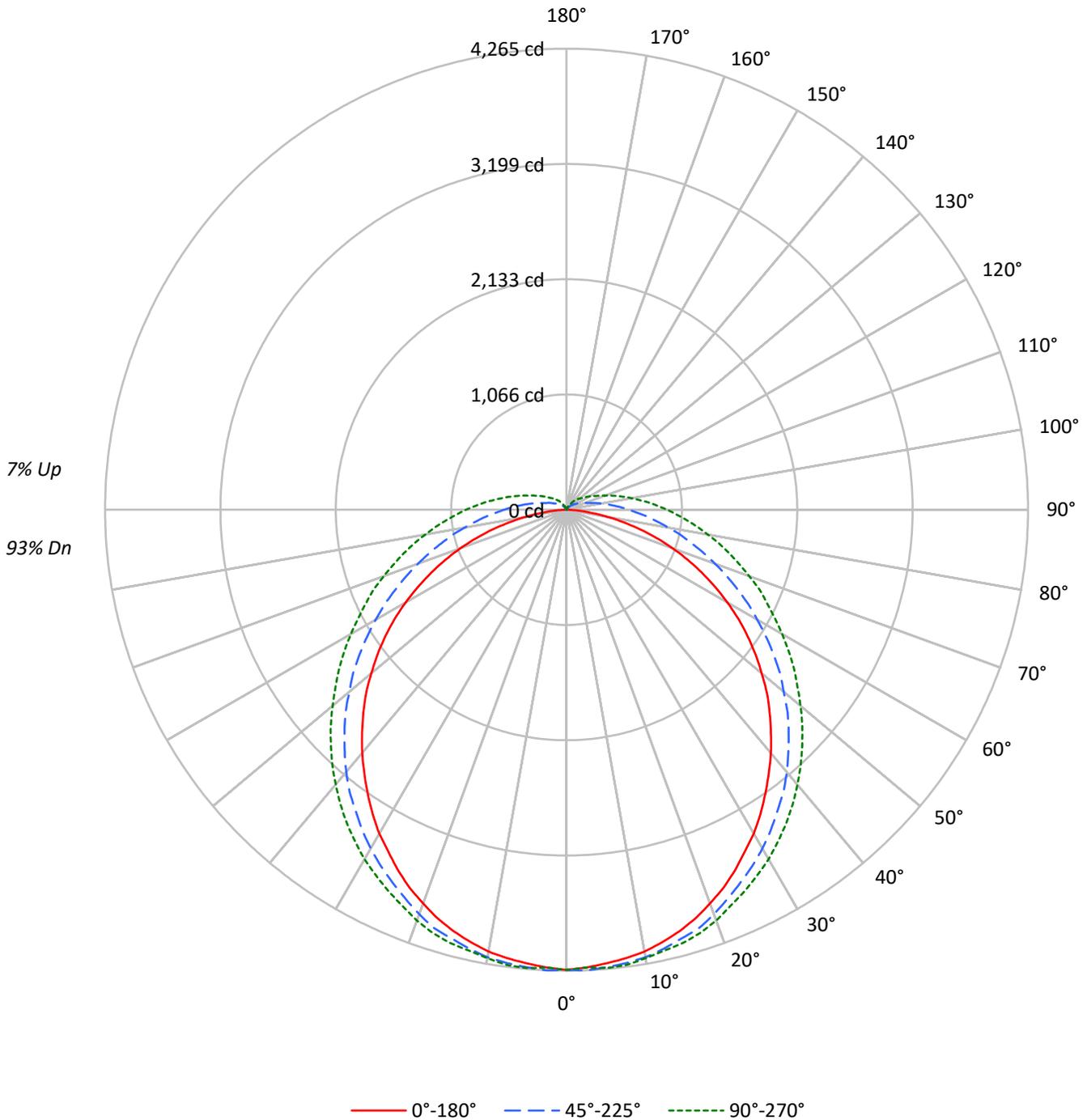
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 14471.9 lumens
Efficiency: N/A
Efficacy: 112.7 lumens/watt
Spacing Criteria (0/90/45): 1.21 / 1.3 / 1.39
Luminous Opening: Rectangular w/ Sides (W: 0.33' x L: 5.98' x H: 0.1')
CIE Type: Direct

Input Watts (W): 128.4
Input Voltage (V): NR
Input Current (A_{in}): 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: P1357349
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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	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	117	117	117	117	114	114	114	114	107	107	107	101	101	101	96	96	96	96	96	96	93
1	105	100	95	91	102	97	92	88	91	88	84	86	83	80	81	79	77	77	77	77	74
2	95	86	79	72	92	84	77	71	79	73	68	75	70	66	71	67	63	63	63	63	61
3	86	75	67	60	83	73	65	59	69	62	57	65	60	55	62	57	53	53	53	53	50
4	79	66	57	50	76	65	56	49	61	54	48	58	52	47	55	50	45	45	45	45	43
5	73	59	50	43	70	58	49	42	55	47	41	52	45	40	49	44	39	39	39	39	37
6	67	53	44	37	64	52	43	37	49	42	36	47	40	35	45	39	34	34	34	34	32
7	62	48	39	33	60	47	38	32	45	37	32	43	36	31	41	35	30	30	30	30	28
8	58	44	35	29	56	43	35	29	41	34	28	39	32	28	37	32	27	27	27	27	25
9	54	40	32	26	52	39	31	26	38	30	25	36	30	25	35	29	24	24	24	24	22
10	50	37	29	24	49	36	29	23	35	28	23	33	27	23	32	26	22	22	22	22	20

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	22988	22988	22988
5°	22801	22567	22461
10°	22690	22140	21894
15°	22457	21607	21412
20°	22136	21095	20869
25°	21760	20450	20251
30°	21363	19892	19729
35°	20866	19258	19147
40°	20414	18679	18535
45°	19929	17975	17920
50°	19375	17220	17282
55°	18780	16500	16707
60°	18000	15658	16124
65°	17006	14849	15640
70°	15736	14050	15262
75°	13870	13326	15002
80°	11022	12795	14892
85°	6857	12713	15112

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 19929 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	403.6	2.8
10°-20°	1158.9	8.0
20°-30°	1752.1	12.1
30°-40°	2121.5	14.7
40°-50°	2228.3	15.4
50°-60°	2078.9	14.4
60°-70°	1718.1	11.9
70°-80°	1237.0	8.5
80°-90°	768.7	5.3
90°-100°	450.4	3.1
100°-110°	257.7	1.8
110°-120°	145.5	1.0
120°-130°	83.7	0.6
130°-140°	45.1	0.3
140°-150°	19.0	0.1
150°-160°	3.5	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	3314.6	22.9
0°-40°	5436.1	37.6
0°-60°	9743.3	67.3
0°-90°	13467.1	93.1
90°-120°	853.6	5.9
90°-150°	1001.3	6.9
90°-180°	1005.0	6.9
0°-180°	14471.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	4256	4256	4256	4256	4256	
5°	4212	4248	4248	4248	4256	400
15°	4035	4088	4106	4132	4150	1138
25°	3681	3743	3805	3858	3894	1696
35°	3203	3292	3398	3495	3540	2005
45°	2655	2752	2902	3026	3080	2048
55°	2044	2159	2336	2504	2566	1826
65°	1380	1513	1743	1964	2044	1366
75°	708	885	1195	1451	1557	749
85°	133	398	752	1018	1115	162
90°	0	239	575	823	929	6
95°	0	150	434	664	761	0
105°	0	53	239	416	487	0
115°	0	26	142	257	301	0
125°	0	18	88	168	195	0
135°	0	0	53	106	133	0
145°	0	0	26	62	71	0
155°	0	0	0	18	26	0
165°	0	0	0	0	0	0
175°	0	0	0	0	0	0
180°	0	0	0	0	0	0



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	4256.4	4256.4	4256.4	4256.4	4256.4
2.5°	4238.7	4265.3	4265.3	4238.7	4238.7
5°	4212.2	4247.6	4247.6	4247.6	4256.4
7.5°	4185.6	4229.9	4229.9	4229.9	4247.6
10°	4150.2	4194.5	4203.3	4203.3	4212.2
12.5°	4097.1	4150.2	4159.1	4167.9	4176.8
15°	4035.2	4088.3	4106.0	4132.5	4150.2
17.5°	3964.4	4026.3	4061.7	4088.3	4106.0
20°	3875.9	3937.8	3982.1	4017.5	4044.0
22.5°	3787.4	3840.5	3893.6	3937.8	3964.4
25°	3681.2	3743.2	3805.1	3858.2	3893.6
27.5°	3566.2	3637.0	3716.6	3778.6	3814.0
30°	3460.0	3530.8	3619.3	3698.9	3734.3
32.5°	3336.1	3415.7	3513.1	3592.7	3637.0
35°	3203.4	3291.9	3398.0	3495.4	3539.6
37.5°	3070.6	3159.1	3291.9	3389.2	3433.4
40°	2937.9	3026.4	3168.0	3274.2	3318.4
42.5°	2796.3	2884.8	3035.2	3150.3	3203.4
45°	2654.7	2752.1	2902.5	3026.4	3079.5
47.5°	2513.1	2610.5	2769.8	2902.5	2955.6
50°	2353.9	2460.0	2619.3	2769.8	2822.9
52.5°	2203.4	2309.6	2486.6	2637.0	2690.1
55°	2044.1	2159.2	2336.2	2504.3	2566.2
57.5°	1884.9	1999.9	2185.7	2362.7	2433.5
60°	1716.7	1840.6	2035.3	2221.1	2300.8
62.5°	1548.6	1681.3	1893.7	2088.4	2168.0
65°	1380.5	1513.2	1743.3	1964.5	2044.1
67.5°	1212.3	1353.9	1601.7	1831.8	1929.1
70°	1044.2	1194.6	1460.1	1699.0	1796.4
72.5°	876.1	1035.3	1327.4	1575.1	1672.5
75°	707.9	884.9	1194.6	1451.2	1557.4
77.5°	539.8	743.3	1079.6	1336.2	1442.4
80°	389.4	619.4	955.7	1221.2	1327.4
82.5°	247.8	495.5	849.5	1115.0	1221.2
85°	132.7	398.2	752.2	1017.6	1115.0
87.5°	44.2	309.7	654.8	920.3	1017.6
90°	0.0	238.9	575.2	823.0	929.2
92.5°	0.0	185.8	504.4	743.3	840.7
95°	0.0	150.4	433.6	663.7	761.0
97.5°	0.0	123.9	380.5	592.9	681.4
100°	0.0	97.3	327.4	530.9	610.6
102.5°	0.0	79.6	283.2	469.0	548.6
105°	0.0	53.1	238.9	415.9	486.7
107.5°	0.0	44.2	203.5	371.7	433.6
110°	0.0	35.4	185.8	318.6	380.5



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.0	26.5	168.1	283.2	345.1
115°	0.0	26.5	141.6	256.6	300.9
117.5°	0.0	26.5	123.9	230.1	274.3
120°	0.0	17.7	115.0	203.5	247.8
122.5°	0.0	17.7	97.3	185.8	221.2
125°	0.0	17.7	88.5	168.1	194.7
127.5°	0.0	8.8	79.6	150.4	177.0
130°	0.0	8.8	70.8	132.7	159.3
132.5°	0.0	8.8	61.9	123.9	150.4
135°	0.0	0.0	53.1	106.2	132.7
137.5°	0.0	0.0	44.2	97.3	115.0
140°	0.0	0.0	35.4	79.6	106.2
142.5°	0.0	0.0	26.5	70.8	88.5
145°	0.0	0.0	26.5	61.9	70.8
147.5°	0.0	0.0	17.7	44.2	61.9
150°	0.0	0.0	8.8	35.4	44.2
152.5°	0.0	0.0	0.0	26.5	35.4
155°	0.0	0.0	0.0	17.7	26.5
157.5°	0.0	0.0	0.0	0.0	8.8
160°	0.0	0.0	0.0	0.0	0.0
162.5°	0.0	0.0	0.0	0.0	0.0
165°	0.0	0.0	0.0	0.0	0.0
167.5°	0.0	0.0	0.0	0.0	0.0
170°	0.0	0.0	0.0	0.0	0.0
172.5°	0.0	0.0	0.0	0.0	0.0
175°	0.0	0.0	0.0	0.0	0.0
177.5°	0.0	0.0	0.0	0.0	0.0
180°	0.0	0.0	0.0	0.0	0.0



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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	20.23	21.77	20.70	22.23	22.71	22.29	23.83	22.76	24.28	24.77
	3H	21.73	23.14	22.21	23.60	24.12	24.77	26.17	25.25	26.63	27.16
	4H	22.21	23.54	22.71	24.03	24.56	25.97	27.30	26.48	27.79	28.32
	6H	22.49	23.73	23.00	24.22	24.78	27.24	28.48	27.76	28.98	29.53
	8H	22.54	23.73	23.07	24.25	24.81	27.91	29.09	28.43	29.61	30.17
	12H	22.55	23.69	23.09	24.21	24.80	28.64	29.78	29.17	30.29	30.88
4H	2H	21.12	22.45	21.62	22.93	23.47	22.72	24.05	23.23	24.54	25.07
	3H	22.85	23.99	23.37	24.51	25.07	25.42	26.56	25.94	27.08	27.64
	4H	23.46	24.49	23.99	25.03	25.62	26.80	27.84	27.34	28.38	28.97
	6H	23.85	24.77	24.41	25.33	25.94	28.27	29.18	28.82	29.74	30.35
	8H	23.95	24.81	24.51	25.37	25.99	29.03	29.90	29.59	30.46	31.08
	12H	23.99	24.78	24.57	25.37	25.99	29.89	30.68	30.47	31.27	31.89
8H	4H	24.14	25.01	24.70	25.57	26.19	27.02	27.88	27.58	28.44	29.06
	6H	24.72	25.45	25.31	26.06	26.68	28.65	29.38	29.24	29.99	30.61
	8H	24.90	25.56	25.51	26.18	26.82	29.56	30.22	30.16	30.83	31.47
	12H	25.02	25.61	25.63	26.21	26.92	30.60	31.19	31.21	31.80	32.50
12H	4H	24.34	25.12	24.92	25.71	26.34	27.03	27.81	27.61	28.40	29.02
	6H	25.02	25.68	25.62	26.30	26.93	28.69	29.35	29.29	29.96	30.60
	8H	25.30	25.89	25.91	26.49	27.20	29.66	30.25	30.27	30.86	31.56

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

Fail-Safe

Report Number: SP1-2511-597-3

Test Date: 11/18/2025

Luminaire Tested: 4ASL-2-30-UNV-OPL-1_600mA

Data in this report applies to families of products including 4ASL

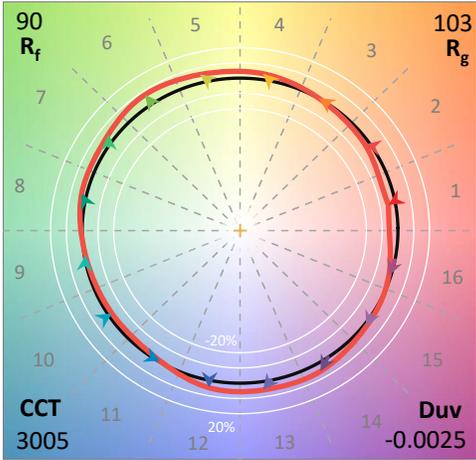
Test Information

Test Method: LM-79-2019
 Report Number: SP1-2511-597-3
 Test Lab: COOPER LIGHTING SOLUTIONS
 Photometer: SP1 - 76IN SPHERE
 Measurement Geometry: 4π
 Issue Date: 11/18/2025
 Manufacturer: COOPER LIGHTING SOLUTIONS
 Product Line: Fail-Safe
 Catalog Number: **4ASL-2-30-UNV-OPL-1_600mA**
 Description: 2foot 4ASL LED LUMINAIRE WITH OPL LENS AND 3000K LEDs with 1 rows at 600mA

Spectral Parameters

CCT (K): 3005
 CIE u': 0.2513
 CIE v': 0.5178
 Duv: -0.0025
 CIE x: 0.4330
 CIE y: 0.3966
 CIE z: 0.1704
 Peak Wavelength (nm): 630
 Dominant Wavelength (nm): 583
 Purity: 49.00645
 Rf: 90.1
 Rg: 103.3

CRI (Ra):	93.9		
R1:	96.5	R9:	62.0
R2:	96.6	R10:	90.8
R3:	95.5	R11:	94.1
R4:	94.4	R12:	88.9
R5:	96.0	R13:	96.4
R6:	96.4	R14:	96.3
R7:	91.7	R15:	91.9
R8:	84.0		



Test Conditions
 Stabilization Time: 32M
 Operation Time: 1H 32M
 Sphere Temperature (°C): 24.1

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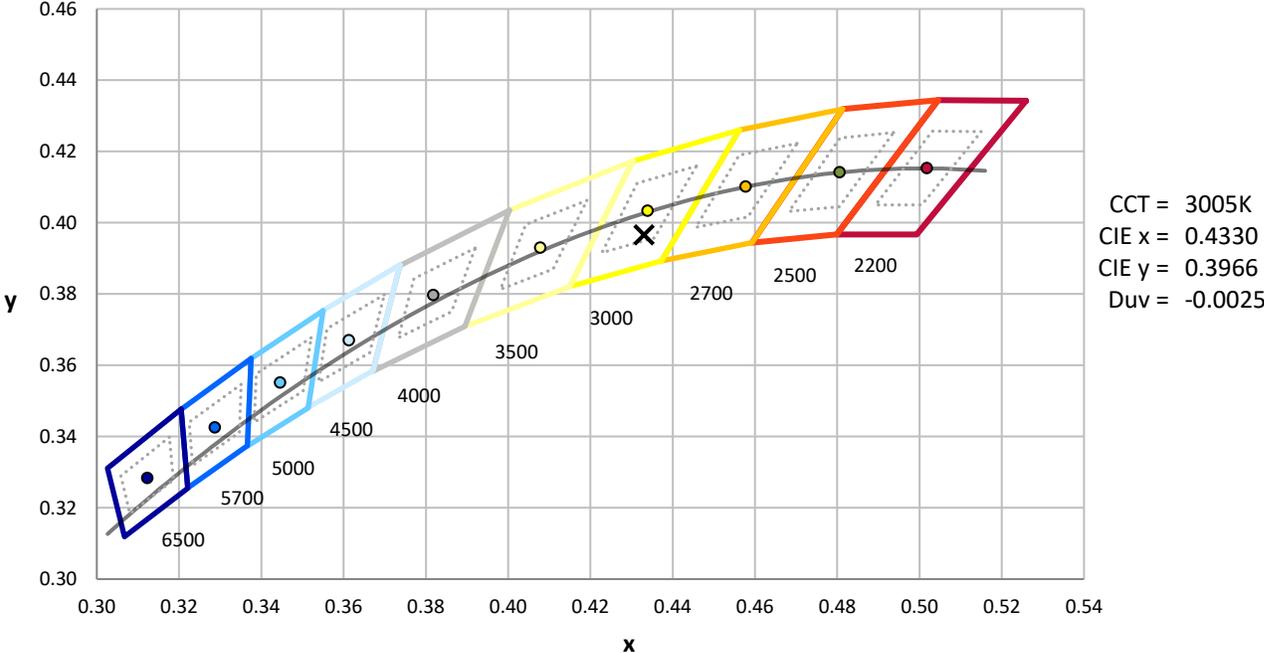
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	76INCH SPHERE IN0058	6/16/2025	12/16/2025
Power Meter	XITRON INXT2011004	10/21/2025	10/21/2026
AC Power Source	CHROMA 61603 IN0063	10/21/2025	10/21/2026
DC Power Source	AGILENT E3634A IN0208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

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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 3000K 4-step quadrangle

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Photopic Flux vs. Wavelength

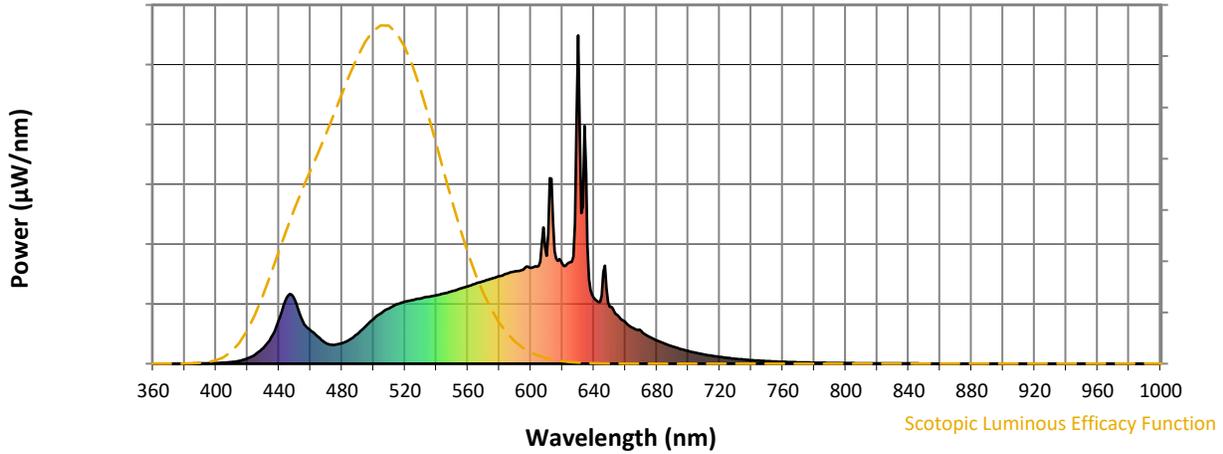


Photopic Lumens: NR

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	92	NR	620	304	NR	750	8	NR	880	0	NR
365	0	NR	495	114	NR	625	309	NR	755	7	NR	885	0	NR
370	0	NR	500	136	NR	630	1000	NR	760	6	NR	890	0	NR
375	0	NR	505	154	NR	635	582	NR	765	5	NR	895	0	NR
380	0	NR	510	169	NR	640	200	NR	770	4	NR	900	0	NR
385	0	NR	515	181	NR	645	207	NR	775	4	NR	905	0	NR
390	1	NR	520	189	NR	650	174	NR	780	3	NR	910	0	NR
395	1	NR	525	194	NR	655	148	NR	785	3	NR	915	0	NR
400	2	NR	530	199	NR	660	127	NR	790	2	NR	920	0	NR
405	3	NR	535	203	NR	665	108	NR	795	2	NR	925	0	NR
410	5	NR	540	208	NR	670	100	NR	800	2	NR	930	0	NR
415	9	NR	545	214	NR	675	83	NR	805	2	NR	935	0	NR
420	16	NR	550	221	NR	680	71	NR	810	1	NR	940	0	NR
425	28	NR	555	228	NR	685	61	NR	815	1	NR	945	0	NR
430	48	NR	560	236	NR	690	53	NR	820	1	NR	950	0	NR
435	80	NR	565	244	NR	695	45	NR	825	1	NR	955	0	NR
440	135	NR	570	251	NR	700	38	NR	830	1	NR	960	0	NR
445	202	NR	575	259	NR	705	33	NR	835	1	NR	965	0	NR
450	195	NR	580	266	NR	710	28	NR	840	1	NR	970	0	NR
455	130	NR	585	274	NR	715	24	NR	845	1	NR	975	0	NR
460	101	NR	590	281	NR	720	20	NR	850	0	NR	980	0	NR
465	82	NR	595	286	NR	725	17	NR	855	0	NR	985	0	NR
470	62	NR	600	292	NR	730	15	NR	860	0	NR	990	0	NR
475	58	NR	605	298	NR	735	13	NR	865	0	NR	995	0	NR
480	62	NR	610	328	NR	740	11	NR	870	0	NR	1000	0	NR
485	74	NR	615	342	NR	745	9	NR	875	0	NR			

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Scotopic Flux vs. Wavelength



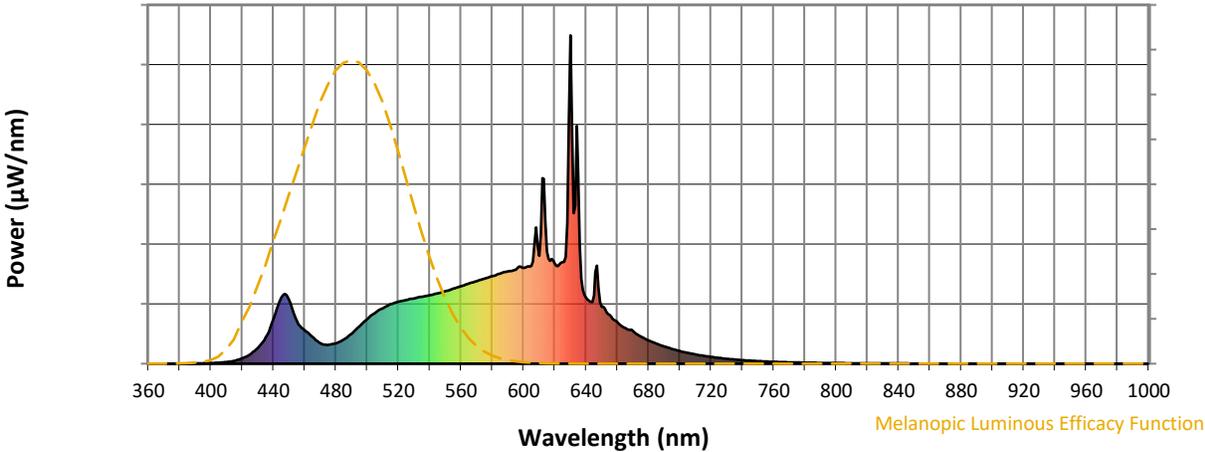
Scotopic Lumens: NR

S/P: 1.42

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	92	NR	620	304	NR	750	8	NR	880	0	NR
365	0	NR	495	114	NR	625	309	NR	755	7	NR	885	0	NR
370	0	NR	500	136	NR	630	1000	NR	760	6	NR	890	0	NR
375	0	NR	505	154	NR	635	582	NR	765	5	NR	895	0	NR
380	0	NR	510	169	NR	640	200	NR	770	4	NR	900	0	NR
385	0	NR	515	181	NR	645	207	NR	775	4	NR	905	0	NR
390	1	NR	520	189	NR	650	174	NR	780	3	NR	910	0	NR
395	1	NR	525	194	NR	655	148	NR	785	3	NR	915	0	NR
400	2	NR	530	199	NR	660	127	NR	790	2	NR	920	0	NR
405	3	NR	535	203	NR	665	108	NR	795	2	NR	925	0	NR
410	5	NR	540	208	NR	670	100	NR	800	2	NR	930	0	NR
415	9	NR	545	214	NR	675	83	NR	805	2	NR	935	0	NR
420	16	NR	550	221	NR	680	71	NR	810	1	NR	940	0	NR
425	28	NR	555	228	NR	685	61	NR	815	1	NR	945	0	NR
430	48	NR	560	236	NR	690	53	NR	820	1	NR	950	0	NR
435	80	NR	565	244	NR	695	45	NR	825	1	NR	955	0	NR
440	135	NR	570	251	NR	700	38	NR	830	1	NR	960	0	NR
445	202	NR	575	259	NR	705	33	NR	835	1	NR	965	0	NR
450	195	NR	580	266	NR	710	28	NR	840	1	NR	970	0	NR
455	130	NR	585	274	NR	715	24	NR	845	1	NR	975	0	NR
460	101	NR	590	281	NR	720	20	NR	850	0	NR	980	0	NR
465	82	NR	595	286	NR	725	17	NR	855	0	NR	985	0	NR
470	62	NR	600	292	NR	730	15	NR	860	0	NR	990	0	NR
475	58	NR	605	298	NR	735	13	NR	865	0	NR	995	0	NR
480	62	NR	610	328	NR	740	11	NR	870	0	NR	1000	0	NR
485	74	NR	615	342	NR	745	9	NR	875	0	NR			

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Melanopic Flux vs. Wavelength



Melanopic Lumens: NR

M/P: 2.76

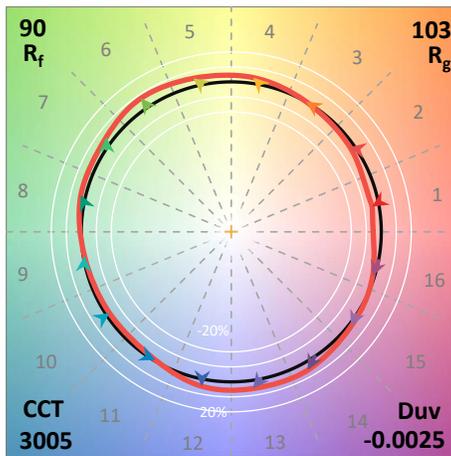
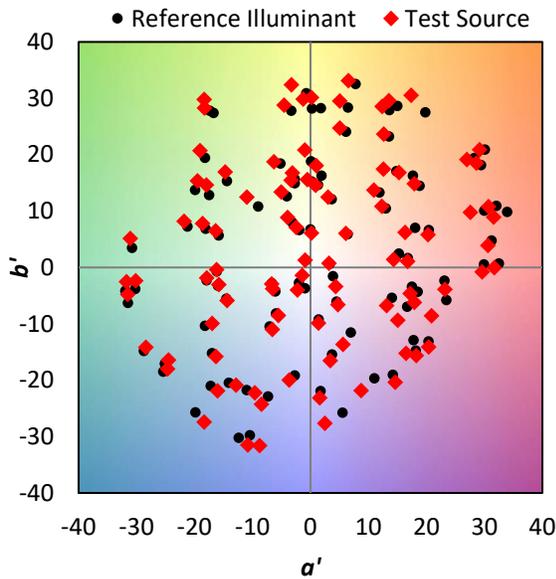
λ (nm)	Power W [^] /nm	Lumens (φ/nm)	λ (nm)	Power W [^] /nm	Lumens (φ/nm)	λ (nm)	Power W [^] /nm	Lumens (φ/nm)	λ (nm)	Power W [^] /nm	Lumens (φ/nm)	λ (nm)	Power W [^] /nm	Lumens (φ/nm)
360	0	NR	490	92	NR	620	304	NR	750	8	NR	880	0	NR
365	0	NR	495	114	NR	625	309	NR	755	7	NR	885	0	NR
370	0	NR	500	136	NR	630	1000	NR	760	6	NR	890	0	NR
375	0	NR	505	154	NR	635	582	NR	765	5	NR	895	0	NR
380	0	NR	510	169	NR	640	200	NR	770	4	NR	900	0	NR
385	0	NR	515	181	NR	645	207	NR	775	4	NR	905	0	NR
390	1	NR	520	189	NR	650	174	NR	780	3	NR	910	0	NR
395	1	NR	525	194	NR	655	148	NR	785	3	NR	915	0	NR
400	2	NR	530	199	NR	660	127	NR	790	2	NR	920	0	NR
405	3	NR	535	203	NR	665	108	NR	795	2	NR	925	0	NR
410	5	NR	540	208	NR	670	100	NR	800	2	NR	930	0	NR
415	9	NR	545	214	NR	675	83	NR	805	2	NR	935	0	NR
420	16	NR	550	221	NR	680	71	NR	810	1	NR	940	0	NR
425	28	NR	555	228	NR	685	61	NR	815	1	NR	945	0	NR
430	48	NR	560	236	NR	690	53	NR	820	1	NR	950	0	NR
435	80	NR	565	244	NR	695	45	NR	825	1	NR	955	0	NR
440	135	NR	570	251	NR	700	38	NR	830	1	NR	960	0	NR
445	202	NR	575	259	NR	705	33	NR	835	1	NR	965	0	NR
450	195	NR	580	266	NR	710	28	NR	840	1	NR	970	0	NR
455	130	NR	585	274	NR	715	24	NR	845	1	NR	975	0	NR
460	101	NR	590	281	NR	720	20	NR	850	0	NR	980	0	NR
465	82	NR	595	286	NR	725	17	NR	855	0	NR	985	0	NR
470	62	NR	600	292	NR	730	15	NR	860	0	NR	990	0	NR
475	58	NR	605	298	NR	735	13	NR	865	0	NR	995	0	NR
480	62	NR	610	328	NR	740	11	NR	870	0	NR	1000	0	NR
485	74	NR	615	342	NR	745	9	NR	875	0	NR			

Summary

$R_f = 90.1$
 $R_g = 103.3$
 CIE $R_a = 93.9$
 $R_9 = 62.0$

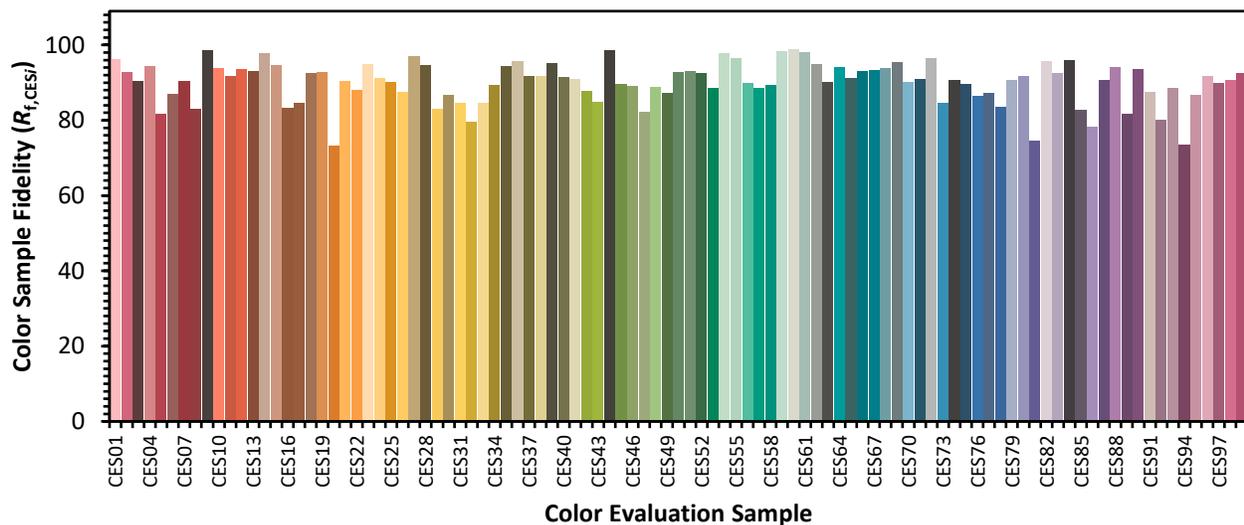


Color Vector Graphics



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

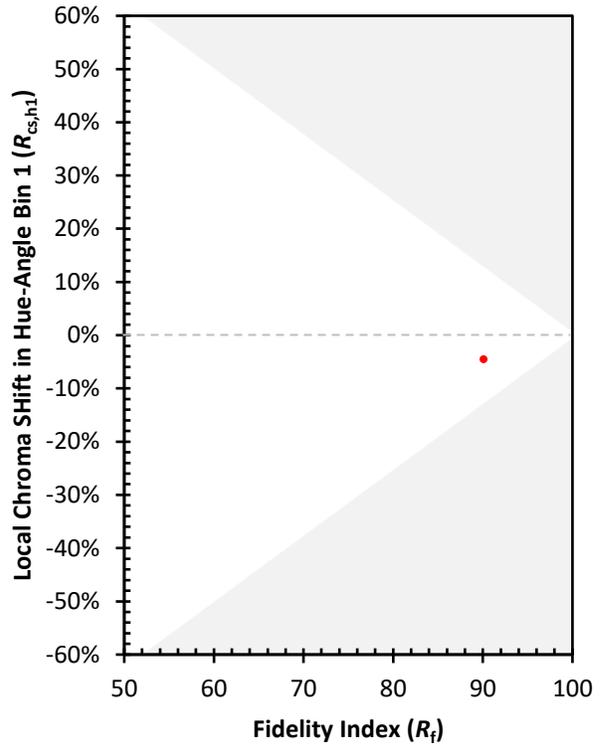
CES01 = 86	CES26 = 88	CES51 = 93	CES76 = 86
CES02 = 63	CES27 = 97	CES52 = 93	CES77 = 87
CES03 = 32	CES28 = 95	CES53 = 89	CES78 = 83
CES04 = 70	CES29 = 83	CES54 = 98	CES79 = 91
CES05 = 51	CES30 = 87	CES55 = 97	CES80 = 92
CES06 = 51	CES31 = 85	CES56 = 90	CES81 = 75
CES07 = 44	CES32 = 80	CES57 = 89	CES82 = 96
CES08 = 42	CES33 = 85	CES58 = 89	CES83 = 92
CES09 = 29	CES34 = 89	CES59 = 98	CES84 = 96
CES10 = 76	CES35 = 94	CES60 = 99	CES85 = 83
CES11 = 59	CES36 = 96	CES61 = 98	CES86 = 78
CES12 = 65	CES37 = 92	CES62 = 95	CES87 = 91
CES13 = 44	CES38 = 92	CES63 = 90	CES88 = 94
CES14 = 74	CES39 = 95	CES64 = 94	CES89 = 82
CES15 = 72	CES40 = 91	CES65 = 91	CES90 = 94
CES16 = 48	CES41 = 91	CES66 = 93	CES91 = 87
CES17 = 50	CES42 = 88	CES67 = 93	CES92 = 80
CES18 = 57	CES43 = 85	CES68 = 94	CES93 = 89
CES19 = 72	CES44 = 99	CES69 = 96	CES94 = 74
CES20 = 67	CES45 = 90	CES70 = 90	CES95 = 87
CES21 = 86	CES46 = 89	CES71 = 91	CES96 = 92
CES22 = 79	CES47 = 82	CES72 = 96	CES97 = 90
CES23 = 92	CES48 = 89	CES73 = 85	CES98 = 91
CES24 = 91	CES49 = 87	CES74 = 91	CES99 = 93
CES25 = 72	CES50 = 93	CES75 = 90	



Color Rendition by Hue-Angle Bin



Measure Comparisons



(END OF REPORT)