

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: IRiS

Report Number: P1253269

Luminaire Tested: P3A24R709030D010 E3LSWW1H

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1253269
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2509-551-15)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3A24R709030D010 E3LSWW1H
Description: 3in Adjustable LED luminaire with, R70 optic, 3000K CCT AND, 90CRI , E3LSWW1H TRIM
Light Source: -
Ballast/Driver: -

Summary

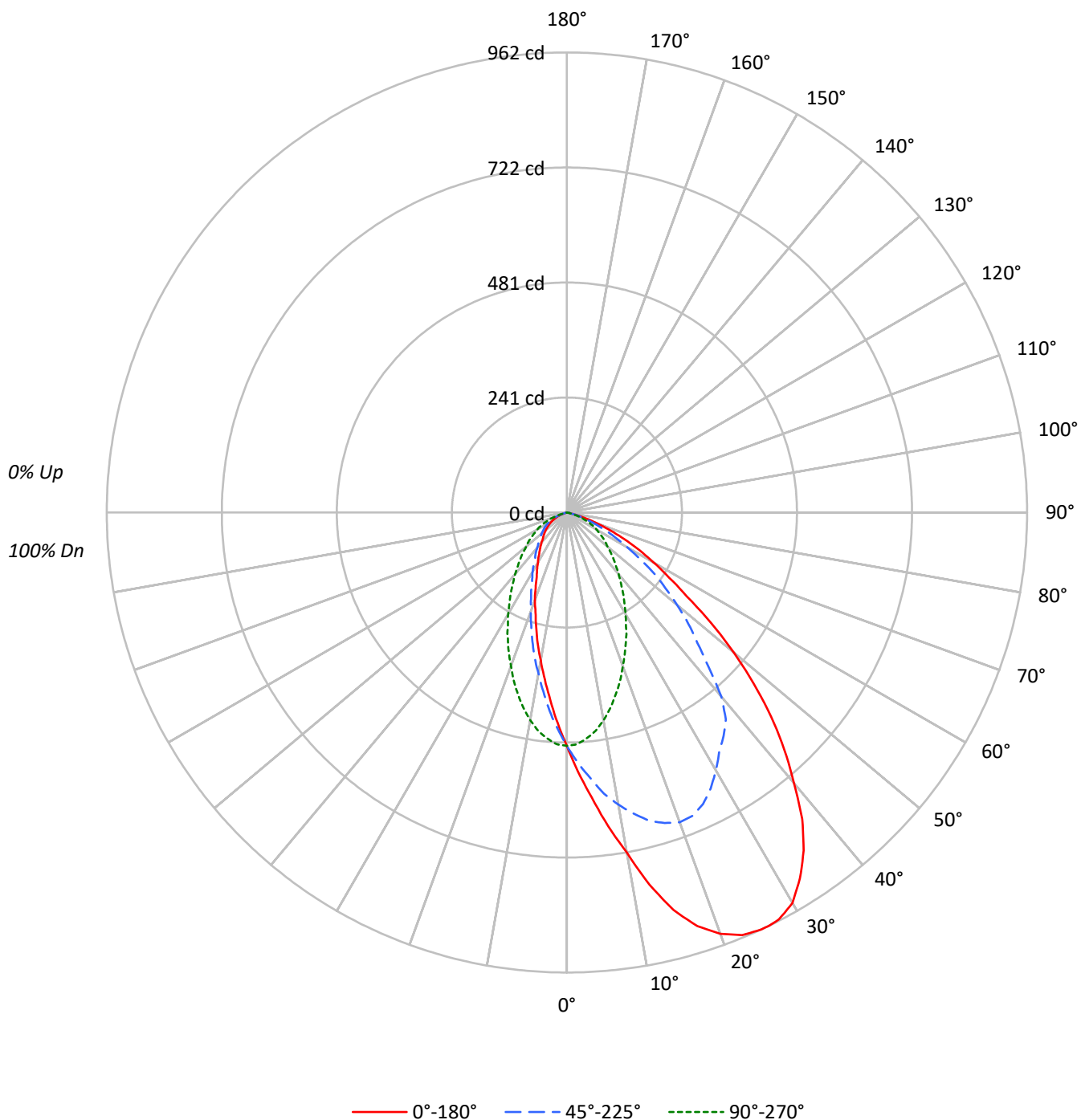
Lumens per Lamp: N/A
Luminaire Lumens: 972.0 lumens
Efficiency: N/A
Efficacy: 33.8 lumens/watt
Spacing Criteria (0/90/45): 1.47 / 0.85 / 1.23
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 28.8
Input Voltage (V): NR
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: P1253269

CATALOG NUMBER: P3A24R709030D010 E3LSWW1H

Luminous Intensity Polar Plot



TEST NUMBER: P1253269

CATALOG NUMBER: P3A24R709030D010 E3LSWW1H

COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20					20					20					20
RC	80				70					50					30					10
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100		
1	111	108	104	101	109	105	102	100	101	99	96	97	95	94	94	92	91	89		
2	103	96	91	86	101	95	89	85	91	87	83	88	85	81	85	82	80	78		
3	95	87	80	74	93	85	79	74	82	77	72	80	75	71	77	73	70	68		
4	88	78	70	65	86	77	70	64	74	68	63	72	67	63	70	66	62	60		
5	82	71	63	57	80	70	62	57	68	61	56	66	60	56	64	59	55	53		
6	76	64	56	51	74	63	56	51	62	55	50	60	54	50	59	53	49	47		
7	71	59	51	45	69	58	51	45	57	50	45	55	49	45	54	49	44	43		
8	66	54	46	41	65	53	46	41	52	46	41	51	45	41	50	44	40	39		
9	62	50	42	37	61	49	42	37	48	42	37	47	41	37	46	41	37	35		
10	59	46	39	34	57	46	39	34	45	38	34	44	38	34	43	38	34	32		

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	107009	107009	107009	107009	107009
5°	131675	122584	104380	91635	86771
10°	160830	138118	98217	76106	69983
15°	195257	151465	89490	63201	56323
20°	218722	160827	79760	51454	45667
25°	232780	162759	70698	42680	36026
30°	238720	157746	62136	36309	30714
35°	230992	152772	54609	30999	26555
40°	211482	143612	48147	27623	23673
45°	187213	119702	42733	25646	21367
50°	155185	102513	37628	23505	19752
55°	116985	85369	34790	22135	17930
60°	91879	64074	31445	20569	15700
65°	68645	47216	27188	17174	12868
70°	44174	30069	19426	12374	7052
75°	18724	16352	9320	4660	2372
80°	3536	3536	0	0	0
85°	0	0	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 187213 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	46.3	4.8
10°-20°	133.2	13.7
20°-30°	194.8	20.0
30°-40°	212.2	21.8
40°-50°	183.7	18.9
50°-60°	123.0	12.7
60°-70°	63.5	6.5
70°-80°	15.0	1.5
80°-90°	0.1	0.0
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°	374.3	38.5
0°-40°	586.6	60.3
0°-60°	893.3	91.9
0°-90°	972.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	972.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	488	488	488	488	488	
5°	598	557	474	416	394	61
15°	860	667	394	278	248	244
25°	962	673	292	176	149	442
35°	863	571	204	116	99	534
45°	604	386	138	83	69	462
55°	306	223	91	58	47	283
65°	132	91	52	33	25	134
75°	22	19	11	6	3	29
85°	0	0	0	0	0	0
90°	0	0	0	0	0	

TEST NUMBER: P1253269

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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	488.0	488.0	488.0	488.0	488.0	488.0	488.0	488.0	488.0	488.0	488.0
2.5°	543.1	540.3	540.3	534.8	529.3	523.8	515.5	507.3	499.0	490.7	485.2
5°	598.2	601.0	598.2	587.2	573.4	556.9	540.3	521.0	501.7	485.2	474.2
7.5°	661.6	661.6	653.4	639.6	620.3	592.7	565.2	532.1	501.7	474.2	460.4
10°	722.3	722.3	708.5	686.5	656.1	620.3	581.7	537.6	496.2	457.6	441.1
12.5°	796.7	794.0	777.4	741.6	697.5	645.1	592.7	537.6	488.0	441.1	419.0
15°	860.1	857.4	835.3	791.2	733.3	667.2	595.5	532.1	471.4	419.0	394.2
17.5°	907.0	901.5	876.7	829.8	763.6	680.9	598.2	521.0	452.1	394.2	369.4
20°	937.3	934.6	907.0	851.9	780.2	689.2	595.5	507.3	432.8	369.4	341.8
22.5°	956.6	951.1	923.5	862.9	780.2	686.5	584.5	488.0	408.0	344.6	317.0
25°	962.1	959.4	926.3	860.1	771.9	672.7	567.9	468.7	383.2	319.8	292.2
26°	962.1	959.4	926.3	857.4	766.4	664.4	559.6	460.4	374.9	308.8	284.0
27.5°	959.4	956.6	920.8	849.1	755.4	650.6	543.1	443.9	358.4	295.0	267.4
30°	942.8	937.3	901.5	829.8	730.6	623.0	515.5	419.0	333.6	270.2	245.4
32.5°	907.0	901.5	862.9	796.7	703.0	592.7	485.2	391.5	308.8	245.4	223.3
35°	862.9	857.4	818.8	755.4	664.4	570.7	452.1	361.1	281.2	226.1	204.0
37.5°	807.8	799.5	766.4	700.2	617.5	545.9	424.6	330.8	256.4	204.0	184.7
40°	738.8	736.1	705.8	645.1	562.4	501.7	408.0	330.8	234.3	184.7	168.2
42.5°	672.7	667.2	639.6	587.2	512.8	438.3	358.4	317.0	217.8	165.4	151.6
45°	603.7	598.2	573.4	529.3	460.4	386.0	386.0	272.9	187.5	151.6	137.8
47.5°	529.3	523.8	504.5	471.4	410.8	344.6	281.2	223.3	170.9	135.1	124.1
50°	454.9	457.6	441.1	408.0	361.1	300.5	242.6	187.5	146.1	121.3	110.3
52.5°	380.4	377.7	366.7	344.6	311.5	259.1	206.8	159.9	126.8	107.5	102.0
55°	306.0	308.8	303.3	289.5	261.9	223.3	173.7	137.8	113.0	96.5	91.0
57.5°	253.6	256.4	245.4	237.1	215.0	182.0	143.4	115.8	96.5	85.5	79.9
60°	209.5	212.3	204.0	193.0	176.4	146.1	115.8	96.5	85.5	77.2	71.7
62.5°	170.9	168.2	162.7	151.6	137.8	115.8	93.7	79.9	71.7	66.2	63.4
65°	132.3	132.3	126.8	118.5	107.5	91.0	74.4	66.2	60.7	55.1	52.4
67.5°	99.2	99.2	93.7	88.2	77.2	66.2	57.9	52.4	49.6	44.1	41.4
70°	68.9	68.9	66.2	63.4	55.1	46.9	44.1	38.6	35.8	33.1	30.3
72.5°	44.1	44.1	44.1	38.6	35.8	30.3	30.3	27.6	24.8	22.1	22.1
75°	22.1	24.8	22.1	22.1	19.3	19.3	16.5	16.5	13.8	13.8	11.0
77.5°	8.3	8.3	8.3	8.3	8.3	8.3	5.5	5.5	5.5	5.5	5.5
80°	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	0.0	0.0	0.0
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
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):

	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	488.0	488.0	488.0	488.0	488.0	488.0	488.0	488.0	488.0	488.0
2.5°	479.7	471.4	465.9	457.6	452.1	446.6	443.9	441.1	441.1	441.1
5°	465.9	452.1	438.3	424.6	416.3	408.0	399.7	397.0	394.2	394.2
7.5°	449.4	427.3	408.0	391.5	377.7	369.4	361.1	355.6	352.9	352.9
10°	427.3	399.7	377.7	355.6	341.8	330.8	325.3	317.0	317.0	314.3
12.5°	402.5	369.4	344.6	325.3	311.5	297.7	289.5	284.0	281.2	281.2
15°	374.9	341.8	314.3	292.2	278.4	264.7	256.4	250.9	248.1	248.1
17.5°	347.4	311.5	284.0	261.9	248.1	234.3	226.1	220.5	220.5	217.8
20°	319.8	284.0	256.4	234.3	220.5	209.5	201.2	195.7	193.0	195.7
22.5°	295.0	259.1	231.6	212.3	195.7	184.7	176.4	173.7	170.9	170.9
25°	267.4	234.3	209.5	190.2	176.4	165.4	157.1	154.4	151.6	148.9
26°	259.1	226.1	201.2	182.0	168.2	157.1	151.6	146.1	143.4	143.4
27.5°	248.1	212.3	190.2	170.9	157.1	148.9	140.6	137.8	135.1	135.1
30°	223.3	193.0	170.9	154.4	143.4	132.3	126.8	124.1	121.3	121.3
32.5°	204.0	173.7	154.4	140.6	129.6	121.3	115.8	110.3	110.3	110.3
35°	184.7	157.1	140.6	126.8	115.8	107.5	104.8	102.0	99.2	99.2
37.5°	168.2	143.4	126.8	115.8	107.5	99.2	93.7	91.0	91.0	91.0
40°	151.6	132.3	115.8	104.8	96.5	91.0	85.5	82.7	82.7	82.7
42.5°	137.8	118.5	107.5	96.5	88.2	82.7	79.9	77.2	74.4	74.4
45°	126.8	110.3	96.5	88.2	82.7	77.2	71.7	68.9	68.9	68.9
47.5°	113.0	102.0	88.2	79.9	74.4	68.9	66.2	63.4	63.4	63.4
50°	104.8	93.7	82.7	74.4	68.9	63.4	60.7	57.9	57.9	57.9
52.5°	93.7	85.5	77.2	68.9	63.4	57.9	55.1	52.4	52.4	52.4
55°	85.5	77.2	68.9	63.4	57.9	52.4	49.6	46.9	46.9	46.9
57.5°	77.2	68.9	63.4	57.9	52.4	49.6	44.1	44.1	41.4	41.4
60°	68.9	60.7	55.1	52.4	46.9	44.1	38.6	35.8	35.8	35.8
62.5°	57.9	55.1	49.6	44.1	38.6	35.8	33.1	30.3	30.3	30.3
65°	49.6	46.9	41.4	35.8	33.1	30.3	27.6	24.8	24.8	24.8
67.5°	41.4	35.8	33.1	30.3	27.6	24.8	22.1	19.3	16.5	19.3
70°	30.3	27.6	24.8	22.1	19.3	16.5	13.8	13.8	11.0	11.0
72.5°	19.3	16.5	16.5	13.8	11.0	11.0	8.3	8.3	5.5	5.5
75°	11.0	11.0	8.3	8.3	5.5	5.5	2.8	2.8	2.8	2.8
77.5°	5.5	2.8	2.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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

Report Prepared for

Cooper Lighting Solutions

IRiS

Report Number: SP1-2508-518-2

Test Date: 09/10/2025

Luminaire Tested: LD3A24R159030D010 E3D1LI

Data in this report applies to families of products including LD3A24R159030D010 E3D1LI

Test Information

Test Method: LM-79-2019
 Report Number: SP1-2508-518-2
 Test Lab: COOPER LIGHTING SOLUTIONS
 Photometer: SP1 - 76IN SPHERE
 Measurement Geometry: 4 π
 Issue Date: 09/16/2025
 Manufacturer: COOPER LIGHTING SOLUTIONS
 Product Line: IRiS
 Catalog Number: **LD3A24R159030D010 E3D1LI**
 Description: 3in Adjustable LED luminaire with, R15 optic, 3000K CCT AND, 90CRI , E3D1LI TRIM

Spectral Parameters

CCT (K): 3028
 CIE u': 0.2491
 CIE v': 0.5229
 Duv: 0.0015
 CIE x: 0.4371
 CIE y: 0.4078
 CIE z: 0.1551
 Peak Wavelength (nm): 630
 Dominant Wavelength (nm): 582
 Purity: 53.60472
 Rf: 90.8
 Rg: 98.9

CRI (Ra): 91.6
 R1: 92.4
 R2: 94.8
 R3: 96.1
 R4: 93.3
 R5: 91.7
 R6: 94.8
 R7: 91.4
 R8: 78.7
 R9: 48.5
 R10: 86.1
 R11: 94.5
 R12: 79.7
 R13: 92.8
 R14: 96.7
 R15: 86.9



Test Conditions

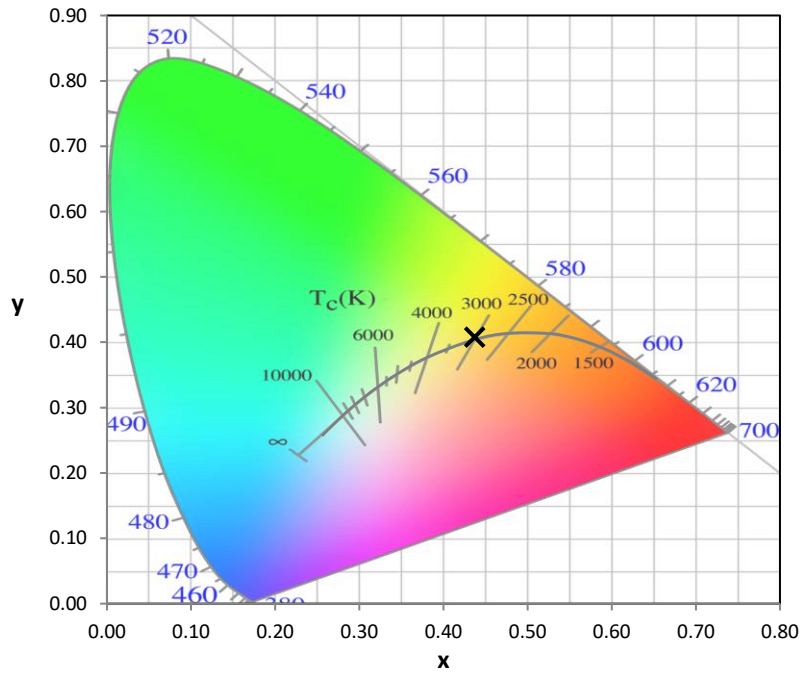
Stabilization Time: 65M
 Operation Time: 2H 5M
 Sphere Temperature (°C): 25.1

REPORT NUMBER: SP1-2508-518-2

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

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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 ^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	115	NR	620	398	NR	750	11	NR	880	0	NR
365	0	NR	495	138	NR	625	392	NR	755	10	NR	885	0	NR
370	0	NR	500	165	NR	630	1000	NR	760	9	NR	890	0	NR
375	0	NR	505	190	NR	635	751	NR	765	7	NR	895	0	NR
380	0	NR	510	212	NR	640	261	NR	770	6	NR	900	0	NR
385	0	NR	515	230	NR	645	243	NR	775	5	NR	905	0	NR
390	1	NR	520	242	NR	650	220	NR	780	5	NR	910	0	NR
395	1	NR	525	253	NR	655	183	NR	785	4	NR	915	0	NR
400	2	NR	530	262	NR	660	155	NR	790	4	NR	920	0	NR
405	3	NR	535	270	NR	665	132	NR	795	3	NR	925	0	NR
410	6	NR	540	279	NR	670	121	NR	800	3	NR	930	0	NR
415	10	NR	545	287	NR	675	101	NR	805	2	NR	935	0	NR
420	18	NR	550	296	NR	680	88	NR	810	2	NR	940	0	NR
425	30	NR	555	307	NR	685	76	NR	815	2	NR	945	0	NR
430	48	NR	560	317	NR	690	66	NR	820	2	NR	950	0	NR
435	73	NR	565	327	NR	695	57	NR	825	1	NR	955	0	NR
440	107	NR	570	338	NR	700	49	NR	830	1	NR	960	0	NR
445	147	NR	575	349	NR	705	43	NR	835	1	NR	965	0	NR
450	193	NR	580	361	NR	710	37	NR	840	1	NR	970	0	NR
455	206	NR	585	372	NR	715	32	NR	845	1	NR	975	0	NR
460	170	NR	590	379	NR	720	28	NR	850	1	NR	980	0	NR
465	131	NR	595	380	NR	725	24	NR	855	1	NR	985	0	NR
470	107	NR	600	388	NR	730	20	NR	860	1	NR	990	0	NR
475	94	NR	605	392	NR	735	17	NR	865	1	NR	995	0	NR
480	89	NR	610	451	NR	740	15	NR	870	0	NR	1000	0	NR
485	97	NR	615	511	NR	745	13	NR	875	0	NR			

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Scotopic Flux vs. Wavelength



Scotopic Lumens: NR

S/P: 1.4

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	115	NR	620	398	NR	750	11	NR	880	0	NR
365	0	NR	495	138	NR	625	392	NR	755	10	NR	885	0	NR
370	0	NR	500	165	NR	630	1000	NR	760	9	NR	890	0	NR
375	0	NR	505	190	NR	635	751	NR	765	7	NR	895	0	NR
380	0	NR	510	212	NR	640	261	NR	770	6	NR	900	0	NR
385	0	NR	515	230	NR	645	243	NR	775	5	NR	905	0	NR
390	1	NR	520	242	NR	650	220	NR	780	5	NR	910	0	NR
395	1	NR	525	253	NR	655	183	NR	785	4	NR	915	0	NR
400	2	NR	530	262	NR	660	155	NR	790	4	NR	920	0	NR
405	3	NR	535	270	NR	665	132	NR	795	3	NR	925	0	NR
410	6	NR	540	279	NR	670	121	NR	800	3	NR	930	0	NR
415	10	NR	545	287	NR	675	101	NR	805	2	NR	935	0	NR
420	18	NR	550	296	NR	680	88	NR	810	2	NR	940	0	NR
425	30	NR	555	307	NR	685	76	NR	815	2	NR	945	0	NR
430	48	NR	560	317	NR	690	66	NR	820	2	NR	950	0	NR
435	73	NR	565	327	NR	695	57	NR	825	1	NR	955	0	NR
440	107	NR	570	338	NR	700	49	NR	830	1	NR	960	0	NR
445	147	NR	575	349	NR	705	43	NR	835	1	NR	965	0	NR
450	193	NR	580	361	NR	710	37	NR	840	1	NR	970	0	NR
455	206	NR	585	372	NR	715	32	NR	845	1	NR	975	0	NR
460	170	NR	590	379	NR	720	28	NR	850	1	NR	980	0	NR
465	131	NR	595	380	NR	725	24	NR	855	1	NR	985	0	NR
470	107	NR	600	388	NR	730	20	NR	860	1	NR	990	0	NR
475	94	NR	605	392	NR	735	17	NR	865	1	NR	995	0	NR
480	89	NR	610	451	NR	740	15	NR	870	0	NR	1000	0	NR
485	97	NR	615	511	NR	745	13	NR	875	0	NR			

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Melanopic Flux vs. Wavelength



Melanopic Lumens: NR

M/P: 2.69

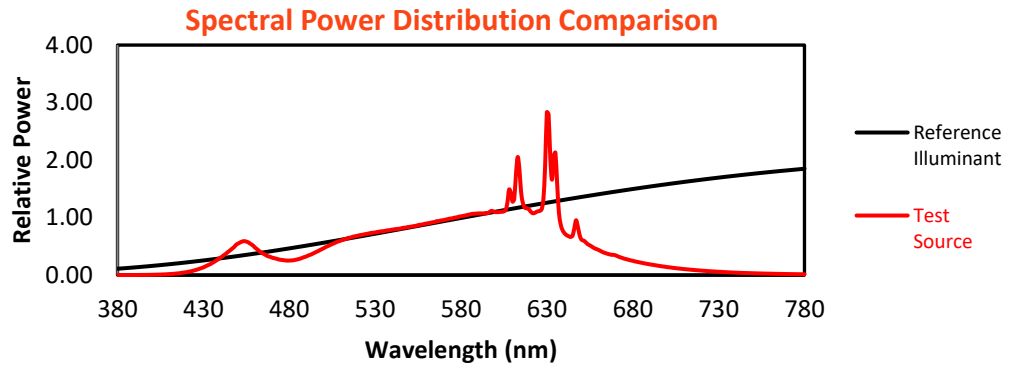
λ (nm)	Power $\text{W}^{\wedge}/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^{\wedge}/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^{\wedge}/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^{\wedge}/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^{\wedge}/\text{nm}$	Lumens (ϕ/nm)
360	0	NR	490	115	NR	620	398	NR	750	11	NR	880	0	NR
365	0	NR	495	138	NR	625	392	NR	755	10	NR	885	0	NR
370	0	NR	500	165	NR	630	1000	NR	760	9	NR	890	0	NR
375	0	NR	505	190	NR	635	751	NR	765	7	NR	895	0	NR
380	0	NR	510	212	NR	640	261	NR	770	6	NR	900	0	NR
385	0	NR	515	230	NR	645	243	NR	775	5	NR	905	0	NR
390	1	NR	520	242	NR	650	220	NR	780	5	NR	910	0	NR
395	1	NR	525	253	NR	655	183	NR	785	4	NR	915	0	NR
400	2	NR	530	262	NR	660	155	NR	790	4	NR	920	0	NR
405	3	NR	535	270	NR	665	132	NR	795	3	NR	925	0	NR
410	6	NR	540	279	NR	670	121	NR	800	3	NR	930	0	NR
415	10	NR	545	287	NR	675	101	NR	805	2	NR	935	0	NR
420	18	NR	550	296	NR	680	88	NR	810	2	NR	940	0	NR
425	30	NR	555	307	NR	685	76	NR	815	2	NR	945	0	NR
430	48	NR	560	317	NR	690	66	NR	820	2	NR	950	0	NR
435	73	NR	565	327	NR	695	57	NR	825	1	NR	955	0	NR
440	107	NR	570	338	NR	700	49	NR	830	1	NR	960	0	NR
445	147	NR	575	349	NR	705	43	NR	835	1	NR	965	0	NR
450	193	NR	580	361	NR	710	37	NR	840	1	NR	970	0	NR
455	206	NR	585	372	NR	715	32	NR	845	1	NR	975	0	NR
460	170	NR	590	379	NR	720	28	NR	850	1	NR	980	0	NR
465	131	NR	595	380	NR	725	24	NR	855	1	NR	985	0	NR
470	107	NR	600	388	NR	730	20	NR	860	1	NR	990	0	NR
475	94	NR	605	392	NR	735	17	NR	865	1	NR	995	0	NR
480	89	NR	610	451	NR	740	15	NR	870	0	NR	1000	0	NR
485	97	NR	615	511	NR	745	13	NR	875	0	NR			

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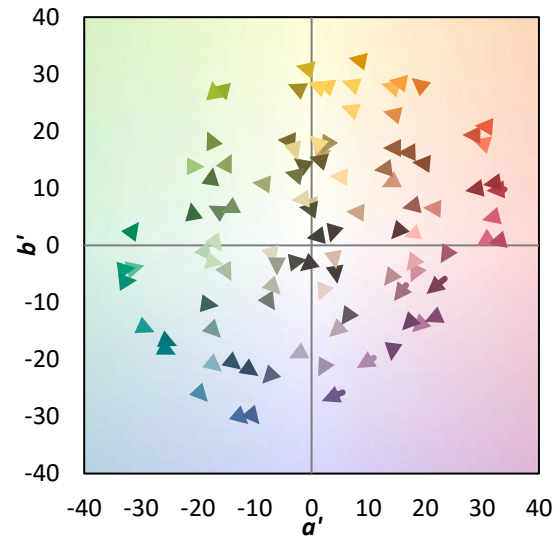
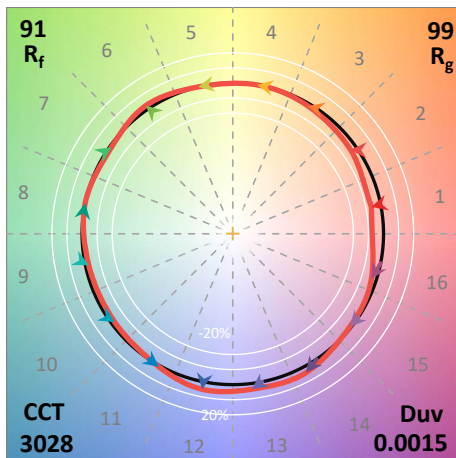
TM-30-18

Summary

$R_f = 90.8$
 $R_g = 98.9$
 $\text{CIE } R_a = 91.6$
 $R_9 = 48.5$

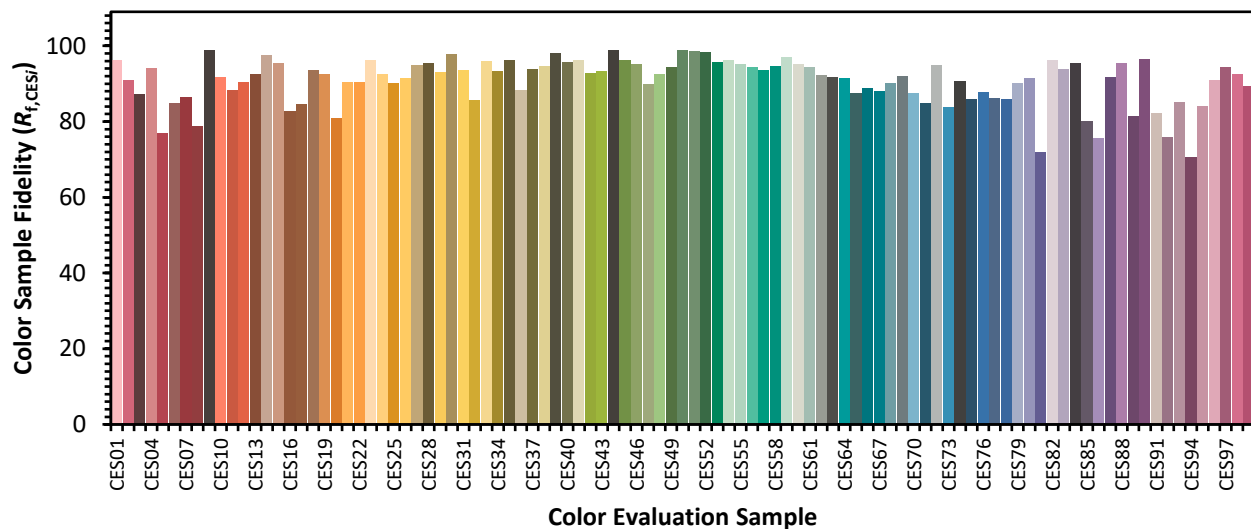


Color Vector Graphics



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

CES01 = 86	CES26 = 91	CES51 = 99	CES76 = 88
CES02 = 63	CES27 = 95	CES52 = 98	CES77 = 86
CES03 = 32	CES28 = 95	CES53 = 96	CES78 = 86
CES04 = 70	CES29 = 93	CES54 = 96	CES79 = 90
CES05 = 50	CES30 = 98	CES55 = 95	CES80 = 92
CES06 = 51	CES31 = 94	CES56 = 94	CES81 = 72
CES07 = 43	CES32 = 86	CES57 = 94	CES82 = 96
CES08 = 42	CES33 = 96	CES58 = 95	CES83 = 94
CES09 = 29	CES34 = 93	CES59 = 97	CES84 = 95
CES10 = 76	CES35 = 96	CES60 = 95	CES85 = 80
CES11 = 58	CES36 = 88	CES61 = 94	CES86 = 76
CES12 = 65	CES37 = 94	CES62 = 92	CES87 = 92
CES13 = 44	CES38 = 95	CES63 = 92	CES88 = 96
CES14 = 74	CES39 = 98	CES64 = 91	CES89 = 82
CES15 = 72	CES40 = 96	CES65 = 87	CES90 = 96
CES16 = 48	CES41 = 96	CES66 = 89	CES91 = 82
CES17 = 50	CES42 = 93	CES67 = 88	CES92 = 76
CES18 = 57	CES43 = 93	CES68 = 90	CES93 = 85
CES19 = 72	CES44 = 99	CES69 = 92	CES94 = 71
CES20 = 67	CES45 = 96	CES70 = 88	CES95 = 84
CES21 = 86	CES46 = 95	CES71 = 85	CES96 = 91
CES22 = 79	CES47 = 90	CES72 = 95	CES97 = 94
CES23 = 92	CES48 = 93	CES73 = 84	CES98 = 93
CES24 = 91	CES49 = 94	CES74 = 91	CES99 = 89
CES25 = 72	CES50 = 99	CES75 = 86	



Color Rendition by Hue-Angle Bin



Measure Comparisons



(END OF REPORT)