

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: P1249496

Luminaire Tested: P3A13R709027DE010 E3LSWW1H

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1249496
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: P3A13R709027DE010 E3LSWW1H
Description: 3in Adjustable LED luminaire with, R70 optic, 2700K CCT AND, 90CRI , E3LSWW1H TRIM
Light Source: -
Ballast/Driver: -

Summary

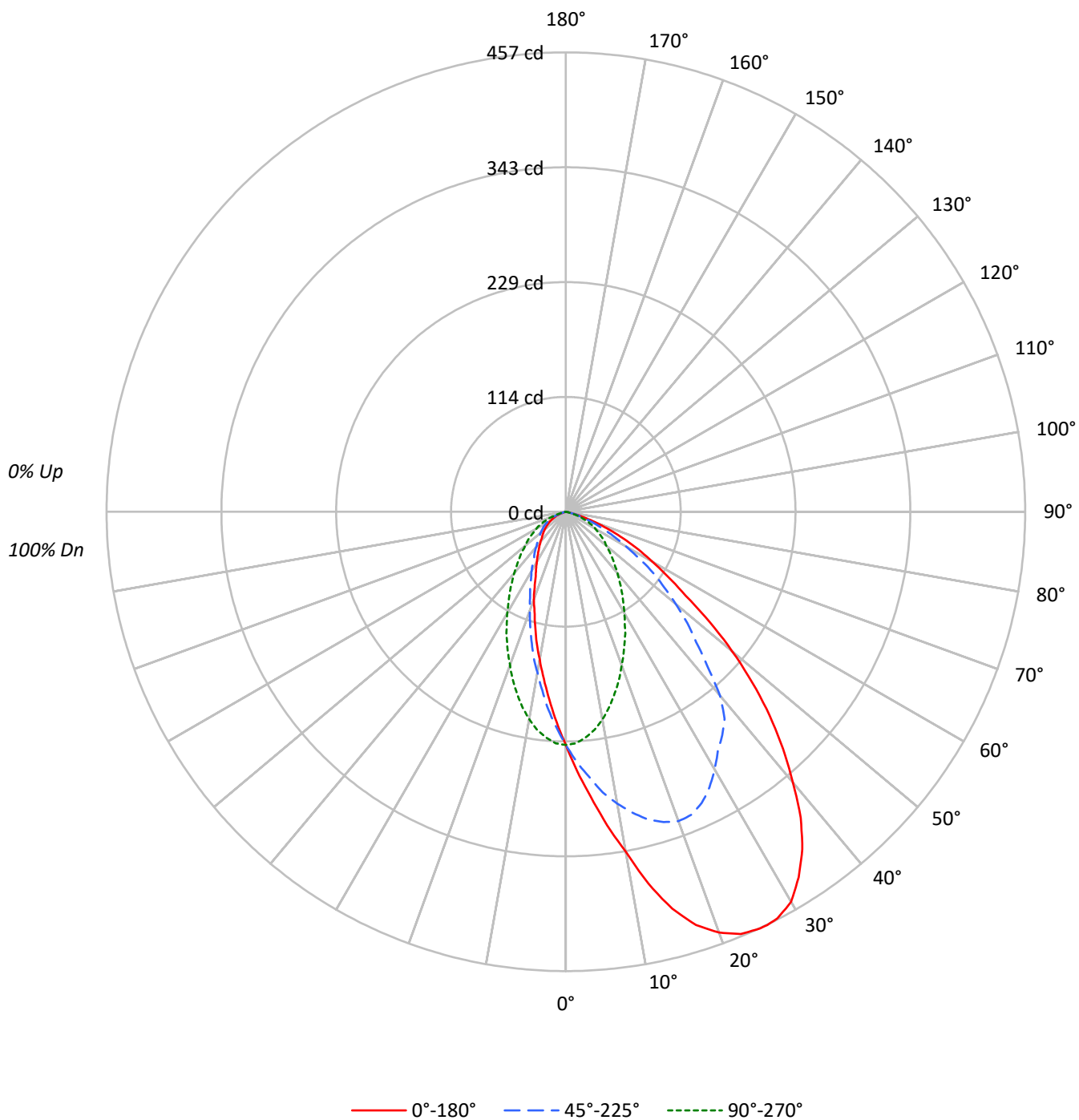
Lumens per Lamp: N/A
Luminaire Lumens: 462.0 lumens
Efficiency: N/A
Efficacy: 31.6 lumens/watt
Spacing Criteria (0/90/45): 1.47 / 0.85 / 1.23
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 14.6
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: P1249496

CATALOG NUMBER: P3A13R709027DE010 E3LSWW1H

Luminous Intensity Polar Plot



TEST NUMBER: P1249496

CATALOG NUMBER: P3A13R709027DE010 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	102	102	100
1	111	108	104	101	109	105	102	100	101	99	96	97	95	94	94	92	91	91	91	89
2	103	96	91	86	101	95	89	85	91	87	83	88	85	81	85	82	80	80	80	78
3	95	87	80	74	93	85	79	74	82	77	72	80	75	71	77	73	70	70	70	68
4	88	78	70	65	86	77	70	64	74	68	63	72	67	63	70	66	62	62	62	60
5	82	71	63	57	80	70	62	57	68	61	56	66	60	56	64	59	55	55	55	53
6	76	64	56	51	74	63	56	51	62	55	50	60	54	50	59	53	49	49	49	47
7	71	59	51	45	69	58	51	45	57	50	45	55	49	45	54	49	44	44	44	43
8	66	54	46	41	65	53	46	41	52	46	41	51	45	41	50	44	40	40	40	39
9	62	50	42	37	61	49	42	37	48	42	37	47	41	37	46	41	37	37	37	35
10	59	46	39	34	57	46	39	34	45	38	34	44	38	34	43	38	34	34	34	32

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	50851	50851	50851	50851	50851
5°	62580	58265	49615	43561	41250
10°	76440	65641	46693	36183	33266
15°	92804	71987	42543	30034	26765
20°	103959	76447	37920	24455	21702
25°	110643	77351	33607	20300	17130
30°	113460	74974	29524	17243	14610
35°	109781	72598	25966	14723	12635
40°	100531	68271	22871	13139	11250
45°	89001	56874	20312	12187	10172
50°	73755	48715	17876	11189	9381
55°	55587	40562	16516	10513	8525
60°	43681	30436	14955	9780	7456
65°	32636	22415	12920	8146	6123
70°	21029	14297	9232	5898	3334
75°	8896	7795	4406	2203	1101
80°	1642	1642	0	0	0
85°	0	0	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 89001 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	22.0	4.8
10°-20°	63.3	13.7
20°-30°	92.6	20.0
30°-40°	100.9	21.8
40°-50°	87.3	18.9
50°-60°	58.5	12.7
60°-70°	30.2	6.5
70°-80°	7.1	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°	177.9	38.5
0°-40°	278.8	60.3
0°-60°	424.6	91.9
0°-90°	462.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	462.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	232	232	232	232	232	
5°	284	265	225	198	187	29
15°	409	317	187	132	118	116
25°	457	320	139	84	71	210
35°	410	271	97	55	47	254
45°	287	183	66	39	33	220
55°	145	106	43	28	22	135
65°	63	43	25	16	12	63
75°	10	9	5	3	1	14
85°	0	0	0	0	0	0
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	231.9	231.9	231.9	231.9	231.9	231.9	231.9	231.9	231.9	231.9	231.9
2.5°	258.1	256.8	256.8	254.2	251.6	249.0	245.0	241.1	237.2	233.2	230.6
5°	284.3	285.7	284.3	279.1	272.6	264.7	256.8	247.7	238.5	230.6	225.4
7.5°	314.5	314.5	310.6	304.0	294.8	281.7	268.6	252.9	238.5	225.4	218.8
10°	343.3	343.3	336.8	326.3	311.9	294.8	276.5	255.5	235.9	217.5	209.7
12.5°	378.7	377.4	369.5	352.5	331.5	306.6	281.7	255.5	231.9	209.7	199.2
15°	408.8	407.5	397.0	376.1	348.6	317.1	283.0	252.9	224.1	199.2	187.4
17.5°	431.1	428.5	416.7	394.4	363.0	323.7	284.3	247.7	214.9	187.4	175.6
20°	445.5	444.2	431.1	404.9	370.8	327.6	283.0	241.1	205.7	175.6	162.5
22.5°	454.7	452.1	439.0	410.1	370.8	326.3	277.8	231.9	193.9	163.8	150.7
25°	457.3	456.0	440.3	408.8	366.9	319.7	269.9	222.8	182.1	152.0	138.9
26°	457.3	456.0	440.3	407.5	364.3	315.8	266.0	218.8	178.2	146.8	135.0
27.5°	456.0	454.7	437.7	403.6	359.0	309.2	258.1	211.0	170.3	140.2	127.1
30°	448.1	445.5	428.5	394.4	347.2	296.1	245.0	199.2	158.6	128.4	116.6
32.5°	431.1	428.5	410.1	378.7	334.1	281.7	230.6	186.1	146.8	116.6	106.1
35°	410.1	407.5	389.2	359.0	315.8	271.2	214.9	171.7	133.7	107.4	97.0
37.5°	383.9	380.0	364.3	332.8	293.5	259.4	201.8	157.2	121.9	97.0	87.8
40°	351.2	349.9	335.5	306.6	267.3	238.5	193.9	157.2	111.4	87.8	79.9
42.5°	319.7	317.1	304.0	279.1	243.7	208.3	170.3	150.7	103.5	78.6	72.1
45°	287.0	284.3	272.6	251.6	218.8	183.4	183.4	129.7	89.1	72.1	65.5
47.5°	251.6	249.0	239.8	224.1	195.2	163.8	133.7	106.1	81.2	64.2	59.0
50°	216.2	217.5	209.7	193.9	171.7	142.8	115.3	89.1	69.4	57.7	52.4
52.5°	180.8	179.5	174.3	163.8	148.1	123.2	98.3	76.0	60.3	51.1	48.5
55°	145.4	146.8	144.1	137.6	124.5	106.1	82.6	65.5	53.7	45.9	43.2
57.5°	120.6	121.9	116.6	112.7	102.2	86.5	68.1	55.0	45.9	40.6	38.0
60°	99.6	100.9	97.0	91.7	83.9	69.4	55.0	45.9	40.6	36.7	34.1
62.5°	81.2	79.9	77.3	72.1	65.5	55.0	44.6	38.0	34.1	31.4	30.1
65°	62.9	62.9	60.3	56.3	51.1	43.2	35.4	31.4	28.8	26.2	24.9
67.5°	47.2	47.2	44.6	41.9	36.7	31.4	27.5	24.9	23.6	21.0	19.7
70°	32.8	32.8	31.4	30.1	26.2	22.3	21.0	18.3	17.0	15.7	14.4
72.5°	21.0	21.0	21.0	18.3	17.0	14.4	14.4	13.1	11.8	10.5	10.5
75°	10.5	11.8	10.5	10.5	9.2	9.2	7.9	7.9	6.6	6.6	5.2
77.5°	3.9	3.9	3.9	3.9	3.9	3.9	2.6	2.6	2.6	2.6	2.6
80°	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	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°	231.9	231.9	231.9	231.9	231.9	231.9	231.9	231.9	231.9	231.9
2.5°	228.0	224.1	221.4	217.5	214.9	212.3	211.0	209.7	209.7	209.7
5°	221.4	214.9	208.3	201.8	197.9	193.9	190.0	188.7	187.4	187.4
7.5°	213.6	203.1	193.9	186.1	179.5	175.6	171.7	169.0	167.7	167.7
10°	203.1	190.0	179.5	169.0	162.5	157.2	154.6	150.7	150.7	149.4
12.5°	191.3	175.6	163.8	154.6	148.1	141.5	137.6	135.0	133.7	133.7
15°	178.2	162.5	149.4	138.9	132.3	125.8	121.9	119.2	117.9	117.9
17.5°	165.1	148.1	135.0	124.5	117.9	111.4	107.4	104.8	104.8	103.5
20°	152.0	135.0	121.9	111.4	104.8	99.6	95.7	93.0	91.7	93.0
22.5°	140.2	123.2	110.1	100.9	93.0	87.8	83.9	82.6	81.2	81.2
25°	127.1	111.4	99.6	90.4	83.9	78.6	74.7	73.4	72.1	70.8
26°	123.2	107.4	95.7	86.5	79.9	74.7	72.1	69.4	68.1	68.1
27.5°	117.9	100.9	90.4	81.2	74.7	70.8	66.8	65.5	64.2	64.2
30°	106.1	91.7	81.2	73.4	68.1	62.9	60.3	59.0	57.7	57.7
32.5°	97.0	82.6	73.4	66.8	61.6	57.7	55.0	52.4	52.4	52.4
35°	87.8	74.7	66.8	60.3	55.0	51.1	49.8	48.5	47.2	47.2
37.5°	79.9	68.1	60.3	55.0	51.1	47.2	44.6	43.2	43.2	43.2
40°	72.1	62.9	55.0	49.8	45.9	43.2	40.6	39.3	39.3	39.3
42.5°	65.5	56.3	51.1	45.9	41.9	39.3	38.0	36.7	35.4	35.4
45°	60.3	52.4	45.9	41.9	39.3	36.7	34.1	32.8	32.8	32.8
47.5°	53.7	48.5	41.9	38.0	35.4	32.8	31.4	30.1	30.1	30.1
50°	49.8	44.6	39.3	35.4	32.8	30.1	28.8	27.5	27.5	27.5
52.5°	44.6	40.6	36.7	32.8	30.1	27.5	26.2	24.9	24.9	24.9
55°	40.6	36.7	32.8	30.1	27.5	24.9	23.6	22.3	22.3	22.3
57.5°	36.7	32.8	30.1	27.5	24.9	23.6	21.0	21.0	19.7	19.7
60°	32.8	28.8	26.2	24.9	22.3	21.0	18.3	17.0	17.0	17.0
62.5°	27.5	26.2	23.6	21.0	18.3	17.0	15.7	14.4	14.4	14.4
65°	23.6	22.3	19.7	17.0	15.7	14.4	13.1	11.8	11.8	11.8
67.5°	19.7	17.0	15.7	14.4	13.1	11.8	10.5	9.2	7.9	9.2
70°	14.4	13.1	11.8	10.5	9.2	7.9	6.6	6.6	5.2	5.2
72.5°	9.2	7.9	7.9	6.6	5.2	5.2	3.9	3.9	2.6	2.6
75°	5.2	5.2	3.9	3.9	2.6	2.6	1.3	1.3	1.3	1.3
77.5°	2.6	1.3	1.3	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: SP1-2504-409-27

Test Date: 05/16/2025

Luminaire Tested: LD3A13R159027D010 E3D1H

Data in this report applies to families of products including LD3A

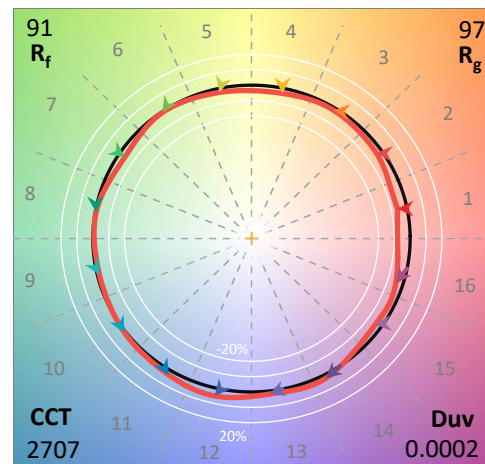
Test Information

Test Method: LM-79-2019
 Report Number: SP1-2504-409-27
 Test Lab: COOPER LIGHTING SOLUTIONS
 Photometer: SP1 - 76IN SPHERE
 Measurement Geometry: 4π
 Issue Date: 01/06/2026
 Manufacturer: COOPER LIGHTING SOLUTIONS
 Product Line: IRiS
 Catalog Number: **LD3A13R159027D010 E3D1H**
 Description: 3in Adjustable LED luminaire with, R15 optic, 2700K CCT AND, 90CRI LEDS, E3D1H TRIM

Spectral Parameters

CCT (K): 2707
 CIE u' : 0.2622
 CIE v' : 0.5275
 Duv: 0.0002
 CIE x: 0.4597
 CIE y: 0.4111
 CIE z: 0.1292
 Peak Wavelength (nm): 618
 Dominant Wavelength (nm): 584
 Purity: 61.37764
 R_f: 91.2
 R_g: 97.1

CRI (Ra): 92.2
 R1: 93.3
 R2: 98.1
 R3: 97.1
 R4: 93.2
 R5: 93.7
 R6: 97.0
 R7: 88.8
 R8: 76.6
 R9: 50.2
 R10: 95.3
 R11: 96.2
 R12: 85.7
 R13: 94.9
 R14: 99.3
 R15: 87.0



Test Conditions

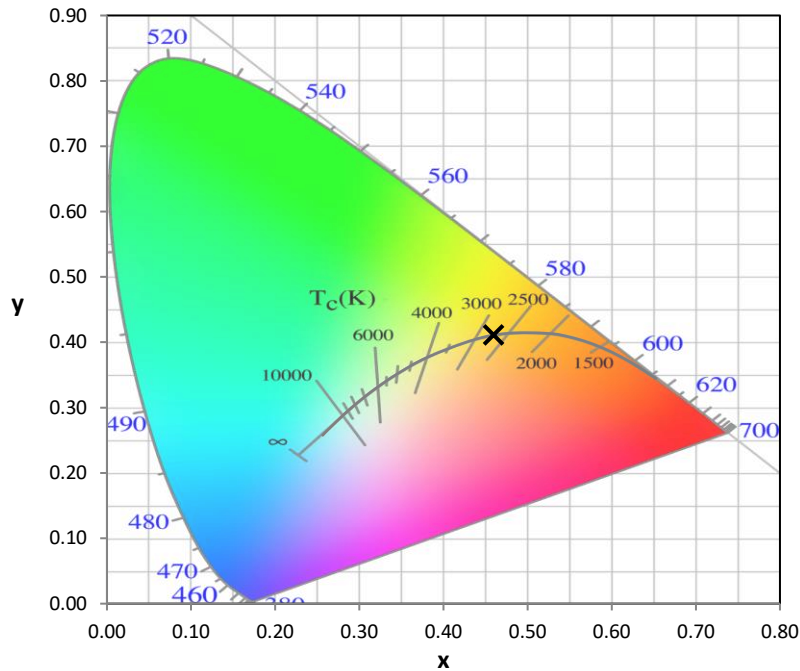
Stabilization Time: 48M
 Operation Time: 1H 48M
 Sphere Temperature (°C): 25.0

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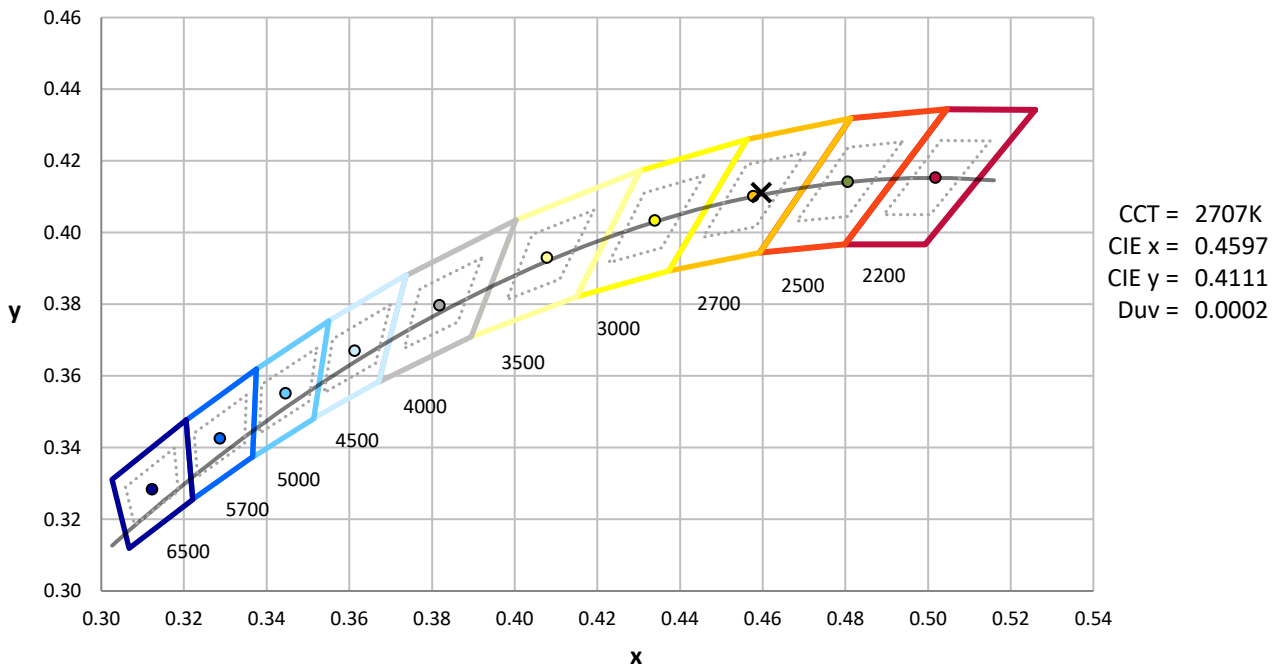
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	76INCH SPHERE IN0058	12/16/2024	6/16/2025
Power Meter	XITRON INXT2011004	1/21/2025	1/21/2026
AC Power Source	CHROMA 61603 IN0063	10/22/2024	10/22/2025
DC Power Source	AGILENT E3634A IN0208	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 2700K 4-step quadrangle

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Photopic Flux vs. Wavelength

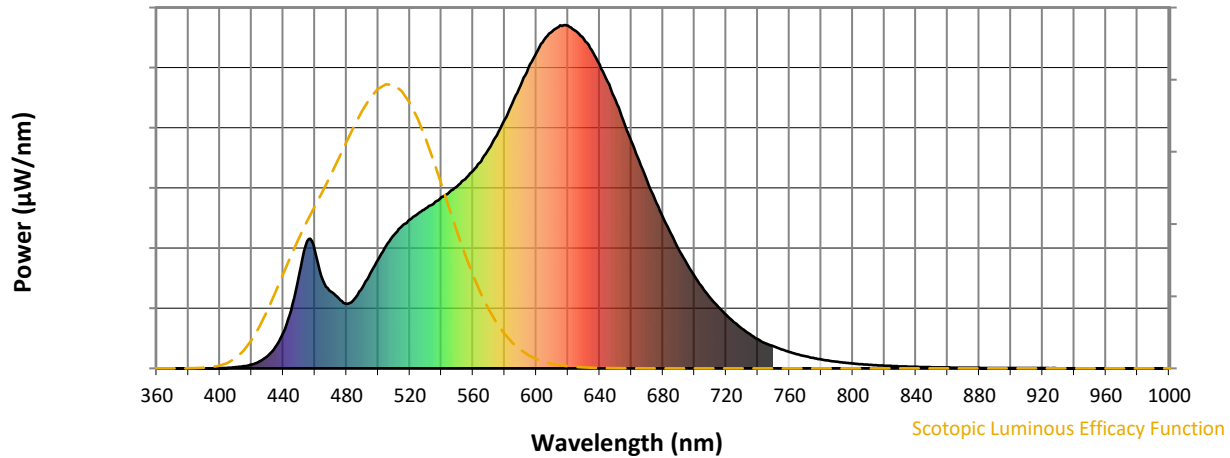


Photopic Lumens: NR

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	236	NR	620	998	NR	750	64	NR	880	1	NR
365	0	NR	495	276	NR	625	983	NR	755	55	NR	885	1	NR
370	0	NR	500	317	NR	630	960	NR	760	48	NR	890	1	NR
375	0	NR	505	357	NR	635	927	NR	765	41	NR	895	1	NR
380	0	NR	510	389	NR	640	885	NR	770	35	NR	900	1	NR
385	0	NR	515	414	NR	645	836	NR	775	30	NR	905	1	NR
390	0	NR	520	434	NR	650	781	NR	780	26	NR	910	1	NR
395	0	NR	525	450	NR	655	723	NR	785	22	NR	915	1	NR
400	1	NR	530	466	NR	660	662	NR	790	19	NR	920	1	NR
405	2	NR	535	480	NR	665	604	NR	795	16	NR	925	0	NR
410	3	NR	540	498	NR	670	546	NR	800	14	NR	930	0	NR
415	6	NR	545	514	NR	675	492	NR	805	12	NR	935	0	NR
420	11	NR	550	530	NR	680	440	NR	810	10	NR	940	0	NR
425	20	NR	555	551	NR	685	393	NR	815	9	NR	945	0	NR
430	35	NR	560	577	NR	690	347	NR	820	8	NR	950	0	NR
435	62	NR	565	604	NR	695	306	NR	825	7	NR	955	0	NR
440	104	NR	570	640	NR	700	268	NR	830	6	NR	960	0	NR
445	168	NR	575	679	NR	705	235	NR	835	5	NR	965	0	NR
450	272	NR	580	726	NR	710	205	NR	840	4	NR	970	0	NR
455	370	NR	585	774	NR	715	179	NR	845	4	NR	975	0	NR
460	344	NR	590	824	NR	720	156	NR	850	3	NR	980	0	NR
465	257	NR	595	877	NR	725	134	NR	855	3	NR	985	0	NR
470	224	NR	600	920	NR	730	116	NR	860	2	NR	990	0	NR
475	204	NR	605	957	NR	735	100	NR	865	2	NR	995	0	NR
480	188	NR	610	982	NR	740	85	NR	870	2	NR	1000	0	NR
485	202	NR	615	999	NR	745	73	NR	875	2	NR			

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Scotopic Flux vs. Wavelength



Scotopic Lumens: NR

S/P: 1.31

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	236	NR	620	998	NR	750	64	NR	880	1	NR
365	0	NR	495	276	NR	625	983	NR	755	55	NR	885	1	NR
370	0	NR	500	317	NR	630	960	NR	760	48	NR	890	1	NR
375	0	NR	505	357	NR	635	927	NR	765	41	NR	895	1	NR
380	0	NR	510	389	NR	640	885	NR	770	35	NR	900	1	NR
385	0	NR	515	414	NR	645	836	NR	775	30	NR	905	1	NR
390	0	NR	520	434	NR	650	781	NR	780	26	NR	910	1	NR
395	0	NR	525	450	NR	655	723	NR	785	22	NR	915	1	NR
400	1	NR	530	466	NR	660	662	NR	790	19	NR	920	1	NR
405	2	NR	535	480	NR	665	604	NR	795	16	NR	925	0	NR
410	3	NR	540	498	NR	670	546	NR	800	14	NR	930	0	NR
415	6	NR	545	514	NR	675	492	NR	805	12	NR	935	0	NR
420	11	NR	550	530	NR	680	440	NR	810	10	NR	940	0	NR
425	20	NR	555	551	NR	685	393	NR	815	9	NR	945	0	NR
430	35	NR	560	577	NR	690	347	NR	820	8	NR	950	0	NR
435	62	NR	565	604	NR	695	306	NR	825	7	NR	955	0	NR
440	104	NR	570	640	NR	700	268	NR	830	6	NR	960	0	NR
445	168	NR	575	679	NR	705	235	NR	835	5	NR	965	0	NR
450	272	NR	580	726	NR	710	205	NR	840	4	NR	970	0	NR
455	370	NR	585	774	NR	715	179	NR	845	4	NR	975	0	NR
460	344	NR	590	824	NR	720	156	NR	850	3	NR	980	0	NR
465	257	NR	595	877	NR	725	134	NR	855	3	NR	985	0	NR
470	224	NR	600	920	NR	730	116	NR	860	2	NR	990	0	NR
475	204	NR	605	957	NR	735	100	NR	865	2	NR	995	0	NR
480	188	NR	610	982	NR	740	85	NR	870	2	NR	1000	0	NR
485	202	NR	615	999	NR	745	73	NR	875	2	NR			

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Melanopic Flux vs. Wavelength


Melanopic Lumens: NR
M/P: 2.5

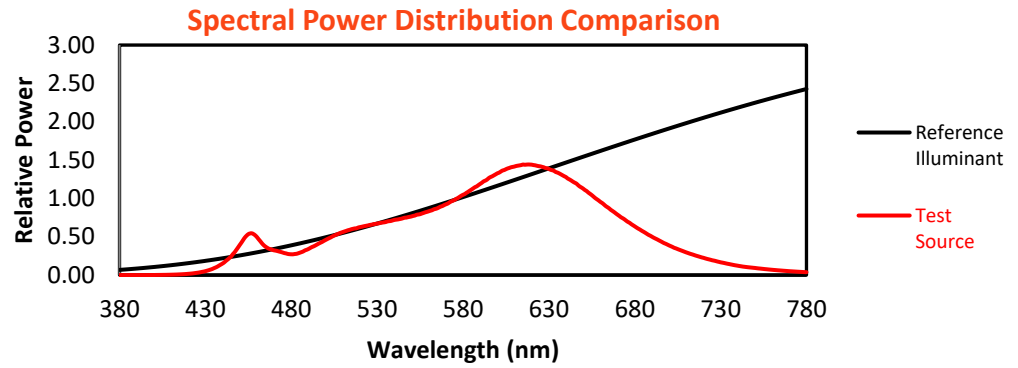
λ (nm)	Power $\text{W}^\wedge/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^\wedge/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^\wedge/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^\wedge/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^\wedge/\text{nm}$	Lumens (ϕ/nm)
360	0	NR	490	236	NR	620	998	NR	750	64	NR	880	1	NR
365	0	NR	495	276	NR	625	983	NR	755	55	NR	885	1	NR
370	0	NR	500	317	NR	630	960	NR	760	48	NR	890	1	NR
375	0	NR	505	357	NR	635	927	NR	765	41	NR	895	1	NR
380	0	NR	510	389	NR	640	885	NR	770	35	NR	900	1	NR
385	0	NR	515	414	NR	645	836	NR	775	30	NR	905	1	NR
390	0	NR	520	434	NR	650	781	NR	780	26	NR	910	1	NR
395	0	NR	525	450	NR	655	723	NR	785	22	NR	915	1	NR
400	1	NR	530	466	NR	660	662	NR	790	19	NR	920	1	NR
405	2	NR	535	480	NR	665	604	NR	795	16	NR	925	0	NR
410	3	NR	540	498	NR	670	546	NR	800	14	NR	930	0	NR
415	6	NR	545	514	NR	675	492	NR	805	12	NR	935	0	NR
420	11	NR	550	530	NR	680	440	NR	810	10	NR	940	0	NR
425	20	NR	555	551	NR	685	393	NR	815	9	NR	945	0	NR
430	35	NR	560	577	NR	690	347	NR	820	8	NR	950	0	NR
435	62	NR	565	604	NR	695	306	NR	825	7	NR	955	0	NR
440	104	NR	570	640	NR	700	268	NR	830	6	NR	960	0	NR
445	168	NR	575	679	NR	705	235	NR	835	5	NR	965	0	NR
450	272	NR	580	726	NR	710	205	NR	840	4	NR	970	0	NR
455	370	NR	585	774	NR	715	179	NR	845	4	NR	975	0	NR
460	344	NR	590	824	NR	720	156	NR	850	3	NR	980	0	NR
465	257	NR	595	877	NR	725	134	NR	855	3	NR	985	0	NR
470	224	NR	600	920	NR	730	116	NR	860	2	NR	990	0	NR
475	204	NR	605	957	NR	735	100	NR	865	2	NR	995	0	NR
480	188	NR	610	982	NR	740	85	NR	870	2	NR	1000	0	NR
485	202	NR	615	999	NR	745	73	NR	875	2	NR			

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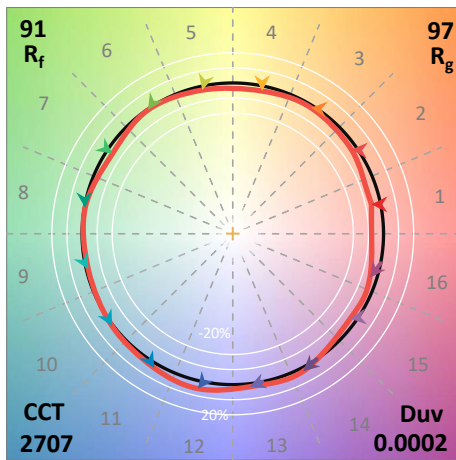
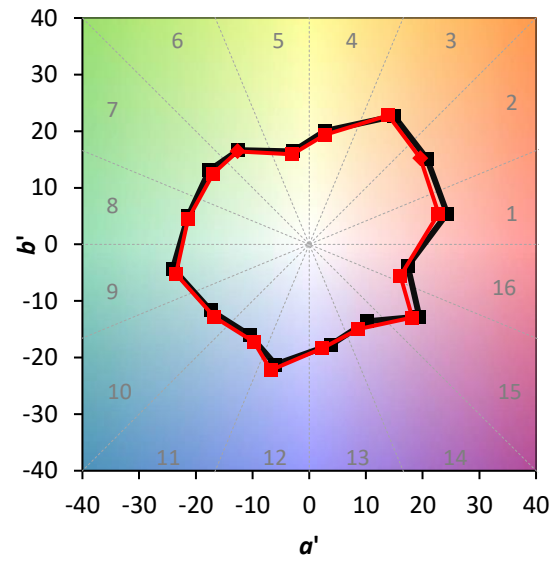
TM-30-18

Summary

$R_f = 91.2$
 $R_g = 97.1$
 $CIE R_a = 92.2$
 $R_9 = 50.2$



Color Vector Graphics



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

CES01 = 86	CES26 = 97	CES51 = 95	CES76 = 94
CES02 = 64	CES27 = 91	CES52 = 98	CES77 = 85
CES03 = 32	CES28 = 99	CES53 = 96	CES78 = 91
CES04 = 71	CES29 = 95	CES54 = 91	CES79 = 89
CES05 = 51	CES30 = 88	CES55 = 90	CES80 = 90
CES06 = 52	CES31 = 96	CES56 = 93	CES81 = 75
CES07 = 44	CES32 = 94	CES57 = 91	CES82 = 96
CES08 = 43	CES33 = 94	CES58 = 92	CES83 = 94
CES09 = 29	CES34 = 99	CES59 = 97	CES84 = 95
CES10 = 77	CES35 = 99	CES60 = 93	CES85 = 79
CES11 = 59	CES36 = 82	CES61 = 93	CES86 = 77
CES12 = 66	CES37 = 98	CES62 = 86	CES87 = 91
CES13 = 44	CES38 = 84	CES63 = 94	CES88 = 93
CES14 = 74	CES39 = 98	CES64 = 91	CES89 = 84
CES15 = 72	CES40 = 97	CES65 = 89	CES90 = 93
CES16 = 48	CES41 = 94	CES66 = 90	CES91 = 79
CES17 = 50	CES42 = 99	CES67 = 89	CES92 = 77
CES18 = 57	CES43 = 97	CES68 = 91	CES93 = 86
CES19 = 72	CES44 = 99	CES69 = 93	CES94 = 76
CES20 = 68	CES45 = 98	CES70 = 91	CES95 = 84
CES21 = 87	CES46 = 96	CES71 = 87	CES96 = 91
CES22 = 79	CES47 = 90	CES72 = 96	CES97 = 95
CES23 = 92	CES48 = 87	CES73 = 88	CES98 = 92
CES24 = 91	CES49 = 98	CES74 = 88	CES99 = 88
CES25 = 72	CES50 = 96	CES75 = 89	



Color Rendition by Hue-Angle Bin



Measure Comparisons



(END OF REPORT)