

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: P1255286

Luminaire Tested: P3A17R709035DE010 E3LSWW1H

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1255286
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: P3A17R709035DE010 E3LSWW1H
Description: 3in Adjustable LED luminaire with, R70 optic, 3500K CCT AND, 90CRI , E3LSWW1H TRIM
Light Source: -
Ballast/Driver: -

Summary

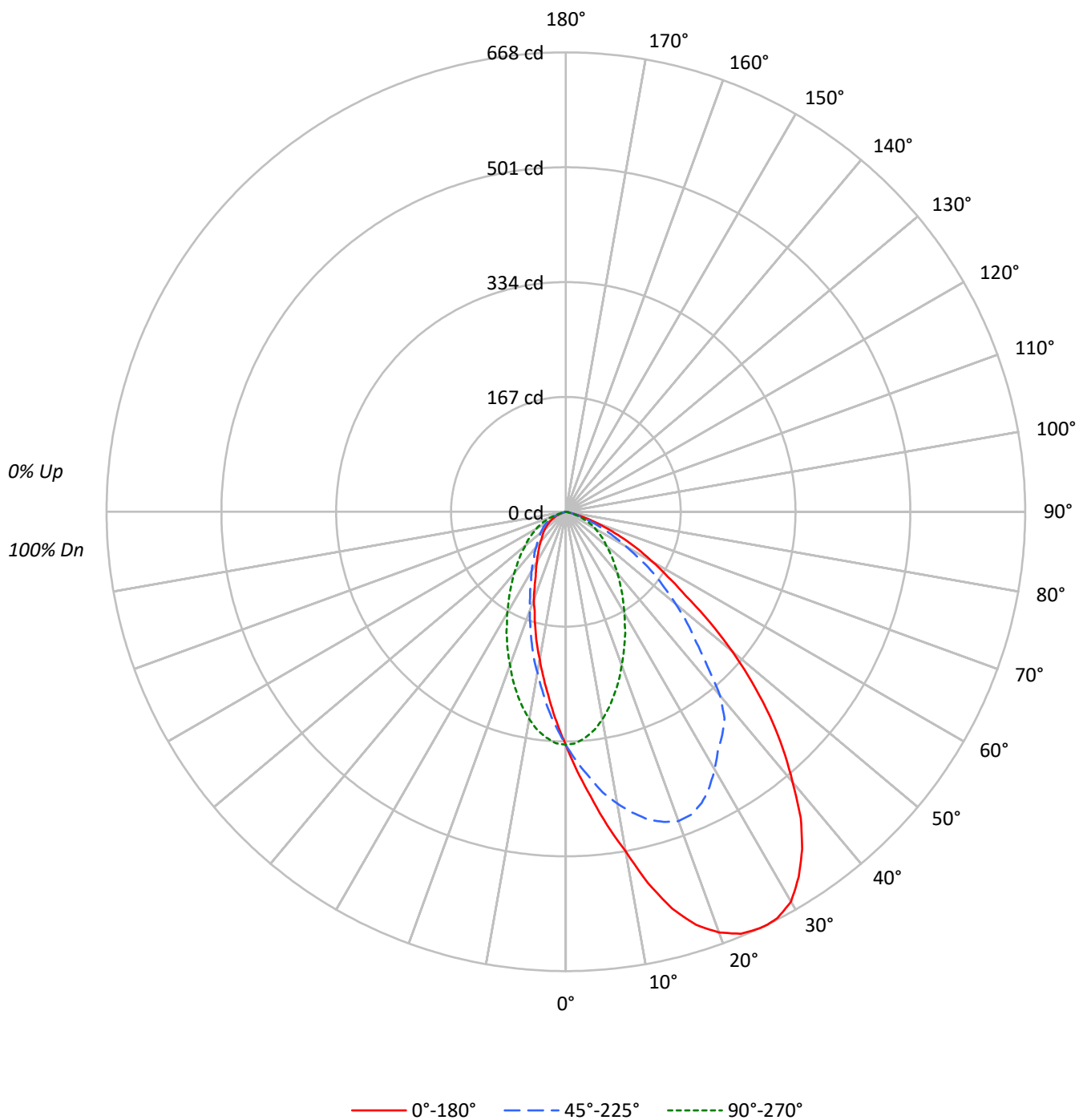
Lumens per Lamp: N/A
Luminaire Lumens: 675.0 lumens
Efficiency: N/A
Efficacy: 31.8 lumens/watt
Spacing Criteria (0/90/45): 1.47 / 0.85 / 1.23
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 21.2
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

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CATALOG NUMBER: P3A17R709035DE010 E3LSWW1H

Luminous Intensity Polar Plot



TEST NUMBER: P1255286

CATALOG NUMBER: P3A17R709035DE010 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°	74314	74314	74314	74314	74314
5°	91437	85120	72485	63636	60268
10°	111688	95923	68202	52860	48607
15°	135597	105177	62157	43905	39115
20°	151890	111683	55398	35750	31713
25°	161671	113015	49092	29639	25018
30°	165798	109561	43146	25219	21320
35°	160401	106086	37932	21522	18444
40°	146875	99730	33434	19179	16431
45°	130029	83109	29677	17800	14854
50°	107766	71196	26131	16341	13714
55°	81240	59295	24162	15369	12425
60°	63811	44514	21840	14253	10920
65°	47683	32792	18887	11934	8924
70°	30710	20837	13528	8591	4937
75°	12963	11353	6524	3219	1610
80°	2399	2399	0	0	0
85°	0	0	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 130029 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	32.2	4.8
10°-20°	92.5	13.7
20°-30°	135.3	20.0
30°-40°	147.4	21.8
40°-50°	127.6	18.9
50°-60°	85.4	12.7
60°-70°	44.1	6.5
70°-80°	10.4	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°	259.9	38.5
0°-40°	407.3	60.3
0°-60°	620.3	91.9
0°-90°	675.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	675.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	339	339	339	339	339	
5°	415	387	329	289	274	42
15°	597	463	274	193	172	169
25°	668	467	203	122	103	307
35°	599	396	142	80	69	371
45°	419	268	96	57	48	321
55°	212	155	63	40	32	197
65°	92	63	36	23	17	93
75°	15	13	8	4	2	20
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°	338.9	338.9	338.9	338.9	338.9	338.9	338.9	338.9	338.9	338.9	338.9
2.5°	377.2	375.2	375.2	371.4	367.6	363.8	358.0	352.3	346.5	340.8	336.9
5°	415.4	417.4	415.4	407.8	398.2	386.7	375.2	361.8	348.4	336.9	329.3
7.5°	459.5	459.5	453.7	444.2	430.8	411.6	392.5	369.5	348.4	329.3	319.7
10°	501.6	501.6	492.0	476.7	455.6	430.8	404.0	373.3	344.6	317.8	306.3
12.5°	553.3	551.4	539.9	515.0	484.4	448.0	411.6	373.3	338.9	306.3	291.0
15°	597.3	595.4	580.1	549.5	509.3	463.3	413.5	369.5	327.4	291.0	273.8
17.5°	629.9	626.0	608.8	576.3	530.3	472.9	415.4	361.8	314.0	273.8	256.5
20°	650.9	649.0	629.9	591.6	541.8	478.6	413.5	352.3	300.6	256.5	237.4
22.5°	664.3	660.5	641.3	599.2	541.8	476.7	405.9	338.9	283.3	239.3	220.2
25°	668.2	666.2	643.3	597.3	536.1	467.1	394.4	325.5	266.1	222.1	202.9
26°	668.2	666.2	643.3	595.4	532.2	461.4	388.6	319.7	260.4	214.4	197.2
27.5°	666.2	664.3	639.4	589.7	524.6	451.8	377.2	308.2	248.9	204.8	185.7
30°	654.8	650.9	626.0	576.3	507.3	432.7	358.0	291.0	231.7	187.6	170.4
32.5°	629.9	626.0	599.2	553.3	488.2	411.6	336.9	271.9	214.4	170.4	155.1
35°	599.2	595.4	568.6	524.6	461.4	396.3	314.0	250.8	195.3	157.0	141.7
37.5°	560.9	555.2	532.2	486.3	428.8	379.1	294.8	229.7	178.0	141.7	128.3
40°	513.1	511.2	490.1	448.0	390.6	348.4	283.3	229.7	162.7	128.3	116.8
42.5°	467.1	463.3	444.2	407.8	356.1	304.4	248.9	220.2	151.2	114.9	105.3
45°	419.3	415.4	398.2	367.6	319.7	268.0	268.0	189.5	130.2	105.3	95.7
47.5°	367.6	363.8	350.3	327.4	285.3	239.3	195.3	155.1	118.7	93.8	86.2
50°	315.9	317.8	306.3	283.3	250.8	208.7	168.5	130.2	101.5	84.2	76.6
52.5°	264.2	262.3	254.6	239.3	216.3	180.0	143.6	111.0	88.1	74.7	70.8
55°	212.5	214.4	210.6	201.0	181.9	155.1	120.6	95.7	78.5	67.0	63.2
57.5°	176.1	178.0	170.4	164.6	149.3	126.4	99.6	80.4	67.0	59.3	55.5
60°	145.5	147.4	141.7	134.0	122.5	101.5	80.4	67.0	59.3	53.6	49.8
62.5°	118.7	116.8	113.0	105.3	95.7	80.4	65.1	55.5	49.8	45.9	44.0
65°	91.9	91.9	88.1	82.3	74.7	63.2	51.7	45.9	42.1	38.3	36.4
67.5°	68.9	68.9	65.1	61.3	53.6	45.9	40.2	36.4	34.5	30.6	28.7
70°	47.9	47.9	45.9	44.0	38.3	32.5	30.6	26.8	24.9	23.0	21.1
72.5°	30.6	30.6	30.6	26.8	24.9	21.1	21.1	19.1	17.2	15.3	15.3
75°	15.3	17.2	15.3	15.3	13.4	13.4	11.5	11.5	9.6	9.6	7.7
77.5°	5.7	5.7	5.7	5.7	5.7	5.7	3.8	3.8	3.8	3.8	3.8
80°	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	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°	338.9	338.9	338.9	338.9	338.9	338.9	338.9	338.9	338.9	338.9
2.5°	333.1	327.4	323.5	317.8	314.0	310.1	308.2	306.3	306.3	306.3
5°	323.5	314.0	304.4	294.8	289.1	283.3	277.6	275.7	273.8	273.8
7.5°	312.1	296.7	283.3	271.9	262.3	256.5	250.8	247.0	245.1	245.1
10°	296.7	277.6	262.3	247.0	237.4	229.7	225.9	220.2	220.2	218.3
12.5°	279.5	256.5	239.3	225.9	216.3	206.8	201.0	197.2	195.3	195.3
15°	260.4	237.4	218.3	202.9	193.4	183.8	178.0	174.2	172.3	172.3
17.5°	241.2	216.3	197.2	181.9	172.3	162.7	157.0	153.2	153.2	151.2
20°	222.1	197.2	178.0	162.7	153.2	145.5	139.8	135.9	134.0	135.9
22.5°	204.8	180.0	160.8	147.4	135.9	128.3	122.5	120.6	118.7	118.7
25°	185.7	162.7	145.5	132.1	122.5	114.9	109.1	107.2	105.3	103.4
26°	180.0	157.0	139.8	126.4	116.8	109.1	105.3	101.5	99.6	99.6
27.5°	172.3	147.4	132.1	118.7	109.1	103.4	97.6	95.7	93.8	93.8
30°	155.1	134.0	118.7	107.2	99.6	91.9	88.1	86.2	84.2	84.2
32.5°	141.7	120.6	107.2	97.6	90.0	84.2	80.4	76.6	76.6	76.6
35°	128.3	109.1	97.6	88.1	80.4	74.7	72.8	70.8	68.9	68.9
37.5°	116.8	99.6	88.1	80.4	74.7	68.9	65.1	63.2	63.2	63.2
40°	105.3	91.9	80.4	72.8	67.0	63.2	59.3	57.4	57.4	57.4
42.5°	95.7	82.3	74.7	67.0	61.3	57.4	55.5	53.6	51.7	51.7
45°	88.1	76.6	67.0	61.3	57.4	53.6	49.8	47.9	47.9	47.9
47.5°	78.5	70.8	61.3	55.5	51.7	47.9	45.9	44.0	44.0	44.0
50°	72.8	65.1	57.4	51.7	47.9	44.0	42.1	40.2	40.2	40.2
52.5°	65.1	59.3	53.6	47.9	44.0	40.2	38.3	36.4	36.4	36.4
55°	59.3	53.6	47.9	44.0	40.2	36.4	34.5	32.5	32.5	32.5
57.5°	53.6	47.9	44.0	40.2	36.4	34.5	30.6	30.6	28.7	28.7
60°	47.9	42.1	38.3	36.4	32.5	30.6	26.8	24.9	24.9	24.9
62.5°	40.2	38.3	34.5	30.6	26.8	24.9	23.0	21.1	21.1	21.1
65°	34.5	32.5	28.7	24.9	23.0	21.1	19.1	17.2	17.2	17.2
67.5°	28.7	24.9	23.0	21.1	19.1	17.2	15.3	13.4	11.5	13.4
70°	21.1	19.1	17.2	15.3	13.4	11.5	9.6	9.6	7.7	7.7
72.5°	13.4	11.5	11.5	9.6	7.7	7.7	5.7	5.7	3.8	3.8
75°	7.7	7.7	5.7	5.7	3.8	3.8	1.9	1.9	1.9	1.9
77.5°	3.8	1.9	1.9	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: SP1-2504-409-24

Test Date: 05/15/2025

Luminaire Tested: LD3A17R159035D010 E3D1WH

Data in this report applies to families of products including LD3A

Test Information

Test Method: LM-79-2019
 Report Number: SP1-2504-409-24
 Test Lab: COOPER LIGHTING SOLUTIONS
 Photometer: SP1 - 76IN SPHERE
 Measurement Geometry: 4π
 Issue Date: 09/15/2025
 Manufacturer: COOPER LIGHTING SOLUTIONS
 Product Line: IRiS
 Catalog Number: **LD3A17R159035D010 E3D1WH**
 Description: 3in Adjustable LED luminaire with, R15 optic, 3500K CCT AND, 90CRI LEDS, E3D1WH TRIM

Spectral Parameters

CCT (K): 3464
 CIE u' : 0.2361
 CIE v' : 0.5136
 Duv: 0.0012
 CIE x: 0.4086
 CIE y: 0.3951
 CIE z: 0.1963
 Peak Wavelength (nm): 614
 Dominant Wavelength (nm): 580
 Purity: 41.2143
 R_f: 91.8
 R_g: 98.4

CRI (Ra): 92.8
 R1: 93.1
 R2: 95.9
 R3: 98.0
 R4: 94.1
 R5: 92.9
 R6: 95.0
 R7: 92.5
 R8: 81.1
 R9: 53.9
 R10: 89.9
 R11: 95.7
 R12: 78.6
 R13: 94.0
 R14: 98.5
 R15: 88.0



Test Conditions

Stabilization Time: 62M
 Operation Time: 2H 2M
 Sphere Temperature (°C): 25.0

REPORT NUMBER: SP1-2504-409-24

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 3500K 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	358	NR	620	985	NR	750	62	NR	880	1	NR
365	0	NR	495	424	NR	625	960	NR	755	53	NR	885	1	NR
370	0	NR	500	486	NR	630	930	NR	760	46	NR	890	1	NR
375	0	NR	505	547	NR	635	889	NR	765	40	NR	895	1	NR
380	0	NR	510	590	NR	640	844	NR	770	34	NR	900	1	NR
385	0	NR	515	623	NR	645	792	NR	775	30	NR	905	1	NR
390	1	NR	520	645	NR	650	738	NR	780	25	NR	910	1	NR
395	2	NR	525	662	NR	655	681	NR	785	22	NR	915	1	NR
400	4	NR	530	671	NR	660	623	NR	790	19	NR	920	1	NR
405	7	NR	535	685	NR	665	568	NR	795	16	NR	925	1	NR
410	12	NR	540	693	NR	670	513	NR	800	14	NR	930	0	NR
415	22	NR	545	704	NR	675	461	NR	805	12	NR	935	0	NR
420	39	NR	550	712	NR	680	414	NR	810	10	NR	940	0	NR
425	70	NR	555	726	NR	685	368	NR	815	9	NR	945	0	NR
430	120	NR	560	740	NR	690	326	NR	820	8	NR	950	0	NR
435	200	NR	565	757	NR	695	288	NR	825	7	NR	955	0	NR
440	315	NR	570	782	NR	700	253	NR	830	6	NR	960	0	NR
445	475	NR	575	809	NR	705	222	NR	835	5	NR	965	0	NR
450	656	NR	580	844	NR	710	194	NR	840	4	NR	970	0	NR
455	697	NR	585	874	NR	715	169	NR	845	4	NR	975	0	NR
460	539	NR	590	911	NR	720	148	NR	850	3	NR	980	0	NR
465	408	NR	595	943	NR	725	128	NR	855	3	NR	985	0	NR
470	341	NR	600	968	NR	730	111	NR	860	2	NR	990	0	NR
475	291	NR	605	988	NR	735	95	NR	865	2	NR	995	0	NR
480	278	NR	610	996	NR	740	81	NR	870	2	NR	1000	0	NR
485	308	NR	615	998	NR	745	70	NR	875	2	NR			

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Scotopic Flux vs. Wavelength



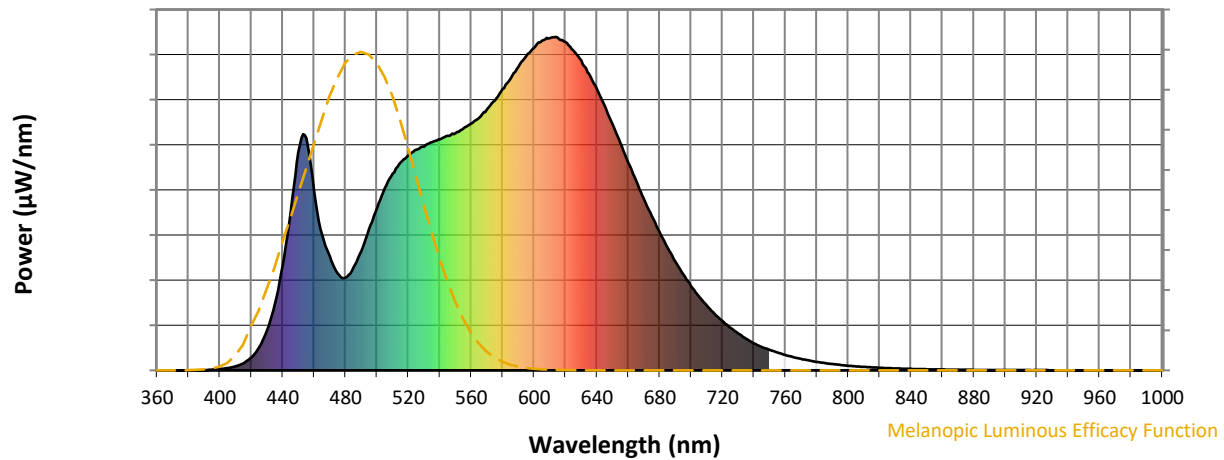
Scotopic Lumens: NR

S/P: 1.6

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	358	NR	620	985	NR	750	62	NR	880	1	NR
365	0	NR	495	424	NR	625	960	NR	755	53	NR	885	1	NR
370	0	NR	500	486	NR	630	930	NR	760	46	NR	890	1	NR
375	0	NR	505	547	NR	635	889	NR	765	40	NR	895	1	NR
380	0	NR	510	590	NR	640	844	NR	770	34	NR	900	1	NR
385	0	NR	515	623	NR	645	792	NR	775	30	NR	905	1	NR
390	1	NR	520	645	NR	650	738	NR	780	25	NR	910	1	NR
395	2	NR	525	662	NR	655	681	NR	785	22	NR	915	1	NR
400	4	NR	530	671	NR	660	623	NR	790	19	NR	920	1	NR
405	7	NR	535	685	NR	665	568	NR	795	16	NR	925	1	NR
410	12	NR	540	693	NR	670	513	NR	800	14	NR	930	0	NR
415	22	NR	545	704	NR	675	461	NR	805	12	NR	935	0	NR
420	39	NR	550	712	NR	680	414	NR	810	10	NR	940	0	NR
425	70	NR	555	726	NR	685	368	NR	815	9	NR	945	0	NR
430	120	NR	560	740	NR	690	326	NR	820	8	NR	950	0	NR
435	200	NR	565	757	NR	695	288	NR	825	7	NR	955	0	NR
440	315	NR	570	782	NR	700	253	NR	830	6	NR	960	0	NR
445	475	NR	575	809	NR	705	222	NR	835	5	NR	965	0	NR
450	656	NR	580	844	NR	710	194	NR	840	4	NR	970	0	NR
455	697	NR	585	874	NR	715	169	NR	845	4	NR	975	0	NR
460	539	NR	590	911	NR	720	148	NR	850	3	NR	980	0	NR
465	408	NR	595	943	NR	725	128	NR	855	3	NR	985	0	NR
470	341	NR	600	968	NR	730	111	NR	860	2	NR	990	0	NR
475	291	NR	605	988	NR	735	95	NR	865	2	NR	995	0	NR
480	278	NR	610	996	NR	740	81	NR	870	2	NR	1000	0	NR
485	308	NR	615	998	NR	745	70	NR	875	2	NR			

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Melanopic Flux vs. Wavelength



Melanopic Lumens: NR

M/P: 3.22

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	358	NR	620	985	NR	750	62	NR	880	1	NR
365	0	NR	495	424	NR	625	960	NR	755	53	NR	885	1	NR
370	0	NR	500	486	NR	630	930	NR	760	46	NR	890	1	NR
375	0	NR	505	547	NR	635	889	NR	765	40	NR	895	1	NR
380	0	NR	510	590	NR	640	844	NR	770	34	NR	900	1	NR
385	0	NR	515	623	NR	645	792	NR	775	30	NR	905	1	NR
390	1	NR	520	645	NR	650	738	NR	780	25	NR	910	1	NR
395	2	NR	525	662	NR	655	681	NR	785	22	NR	915	1	NR
400	4	NR	530	671	NR	660	623	NR	790	19	NR	920	1	NR
405	7	NR	535	685	NR	665	568	NR	795	16	NR	925	1	NR
410	12	NR	540	693	NR	670	513	NR	800	14	NR	930	0	NR
415	22	NR	545	704	NR	675	461	NR	805	12	NR	935	0	NR
420	39	NR	550	712	NR	680	414	NR	810	10	NR	940	0	NR
425	70	NR	555	726	NR	685	368	NR	815	9	NR	945	0	NR
430	120	NR	560	740	NR	690	326	NR	820	8	NR	950	0	NR
435	200	NR	565	757	NR	695	288	NR	825	7	NR	955	0	NR
440	315	NR	570	782	NR	700	253	NR	830	6	NR	960	0	NR
445	475	NR	575	809	NR	705	222	NR	835	5	NR	965	0	NR
450	656	NR	580	844	NR	710	194	NR	840	4	NR	970	0	NR
455	697	NR	585	874	NR	715	169	NR	845	4	NR	975	0	NR
460	539	NR	590	911	NR	720	148	NR	850	3	NR	980	0	NR
465	408	NR	595	943	NR	725	128	NR	855	3	NR	985	0	NR
470	341	NR	600	968	NR	730	111	NR	860	2	NR	990	0	NR
475	291	NR	605	988	NR	735	95	NR	865	2	NR	995	0	NR
480	278	NR	610	996	NR	740	81	NR	870	2	NR	1000	0	NR
485	308	NR	615	998	NR	745	70	NR	875	2	NR			

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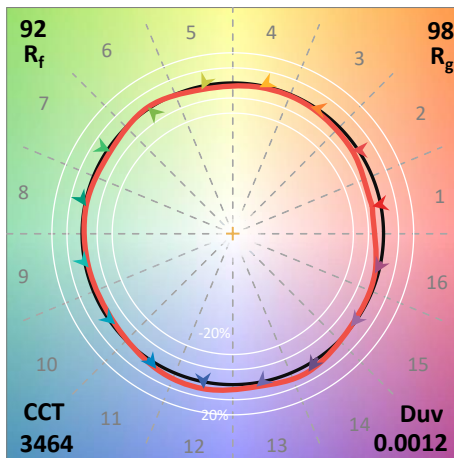
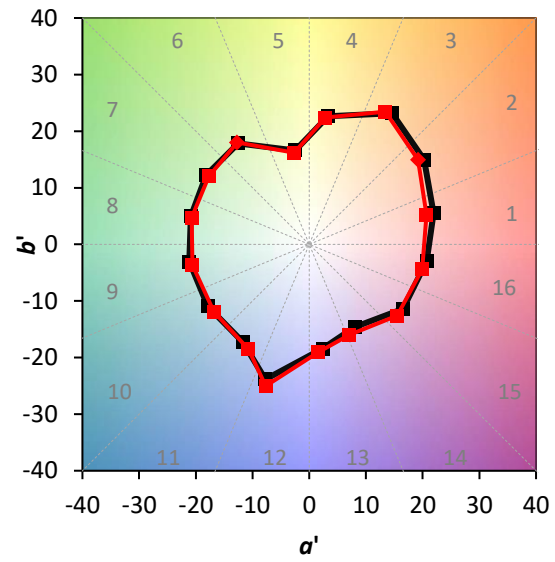
TM-30-18

Summary

$R_f = 91.8$
 $R_g = 98.4$
 $CIE R_a = 92.8$
 $R_9 = 53.9$

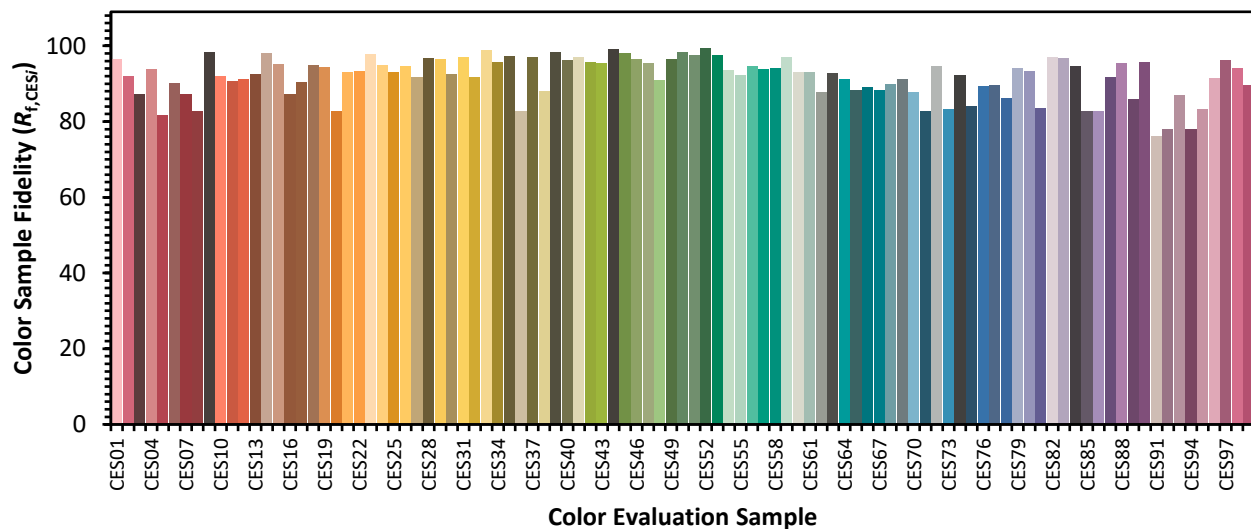


Color Vector Graphics

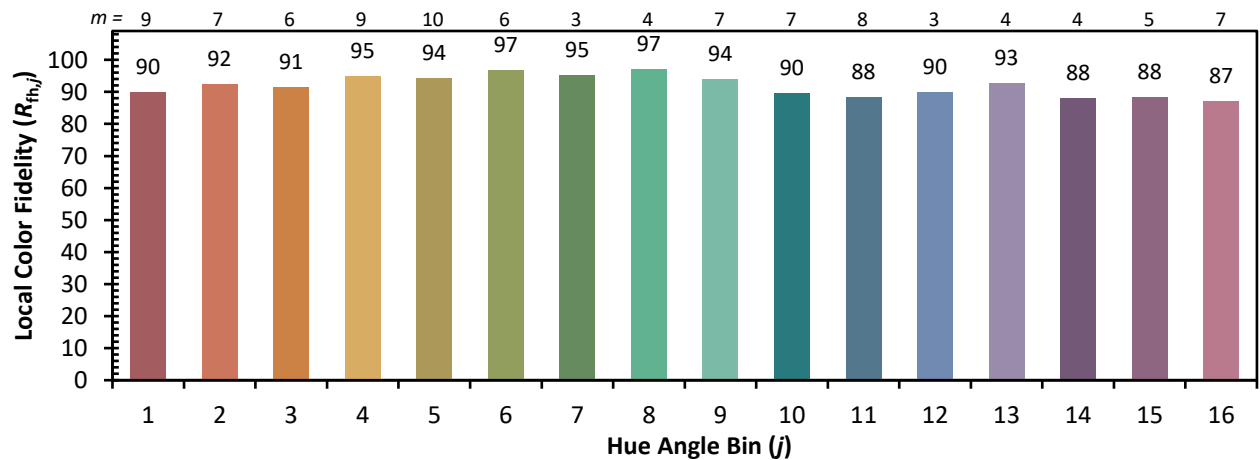


Individual Sample Fidelity Index ($R_{f,i}$)

CES01 = 86	CES26 = 95	CES51 = 98	CES76 = 89
CES02 = 62	CES27 = 92	CES52 = 99	CES77 = 90
CES03 = 31	CES28 = 97	CES53 = 98	CES78 = 86
CES04 = 70	CES29 = 97	CES54 = 93	CES79 = 94
CES05 = 49	CES30 = 93	CES55 = 92	CES80 = 93
CES06 = 51	CES31 = 97	CES56 = 95	CES81 = 84
CES07 = 42	CES32 = 92	CES57 = 94	CES82 = 97
CES08 = 41	CES33 = 99	CES58 = 94	CES83 = 97
CES09 = 29	CES34 = 96	CES59 = 97	CES84 = 95
CES10 = 75	CES35 = 97	CES60 = 93	CES85 = 83
CES11 = 58	CES36 = 83	CES61 = 93	CES86 = 83
CES12 = 64	CES37 = 97	CES62 = 88	CES87 = 92
CES13 = 43	CES38 = 88	CES63 = 93	CES88 = 96
CES14 = 74	CES39 = 98	CES64 = 91	CES89 = 86
CES15 = 71	CES40 = 96	CES65 = 88	CES90 = 96
CES16 = 47	CES41 = 97	CES66 = 89	CES91 = 76
CES17 = 49	CES42 = 96	CES67 = 88	CES92 = 78
CES18 = 56	CES43 = 96	CES68 = 90	CES93 = 87
CES19 = 71	CES44 = 99	CES69 = 91	CES94 = 78
CES20 = 66	CES45 = 98	CES70 = 88	CES95 = 83
CES21 = 86	CES46 = 97	CES71 = 83	CES96 = 91
CES22 = 78	CES47 = 95	CES72 = 95	CES97 = 96
CES23 = 91	CES48 = 91	CES73 = 83	CES98 = 94
CES24 = 90	CES49 = 96	CES74 = 92	CES99 = 90
CES25 = 71	CES50 = 98	CES75 = 84	



Color Rendition by Hue-Angle Bin



Measure Comparisons



(END OF REPORT)