

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: P1357356

Luminaire Tested: 6ASL4-25VHE-3-R63-UNV

Issue Date: 2/17/2026

Test Information

Test Method: LM-79-2019
Report Number: P1357356
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-R63-UNV
Description: 6FT 2500 LUMEN PER FOOT 4ASL LED LUMINAIRE WITH OPL LENS AND R63 LEDS 3 ROW
Light Source: -
Ballast/Driver: -

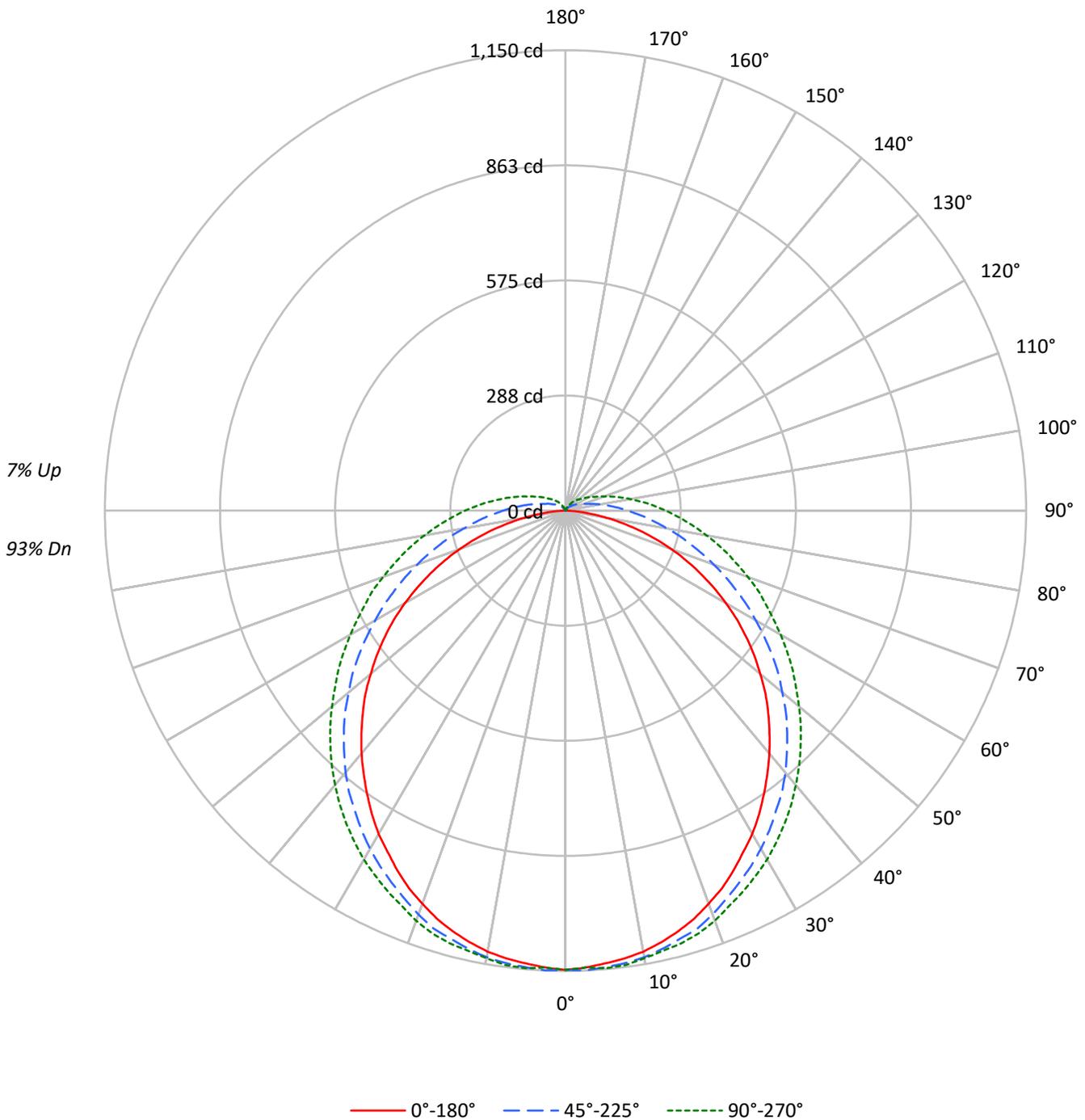
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3901.0 lumens
Efficiency: N/A
Efficacy: 41.1 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): 95
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: P1357356
CATALOG NUMBER: 6ASL4-25VHE-3-R63-UNV

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°	6196	6196	6196
5°	6146	6083	6054
10°	6116	5968	5901
15°	6053	5824	5772
20°	5967	5686	5625
25°	5866	5513	5459
30°	5759	5362	5318
35°	5625	5191	5161
40°	5503	5035	4996
45°	5372	4845	4831
50°	5223	4642	4658
55°	5062	4447	4503
60°	4853	4220	4346
65°	4584	4003	4216
70°	4242	3788	4114
75°	3738	3592	4044
80°	2972	3449	4014
85°	1850	3427	4073

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 5372 cd/sqm



TEST NUMBER: P1357356
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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	108.8	2.8
10°-20°	312.4	8.0
20°-30°	472.3	12.1
30°-40°	571.9	14.7
40°-50°	600.6	15.4
50°-60°	560.4	14.4
60°-70°	463.1	11.9
70°-80°	333.5	8.5
80°-90°	207.2	5.3
90°-100°	121.4	3.1
100°-110°	69.5	1.8
110°-120°	39.2	1.0
120°-130°	22.6	0.6
130°-140°	12.2	0.3
140°-150°	5.1	0.1
150°-160°	0.9	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	893.5	22.9
0°-40°	1465.3	37.6
0°-60°	2626.4	67.3
0°-90°	3630.1	93.1
90°-120°	230.1	5.9
90°-150°	270.0	6.9
90°-180°	271.0	6.9
0°-180°	3901.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1147	1147	1147	1147	1147	
5°	1135	1145	1145	1145	1147	108
15°	1088	1102	1107	1114	1119	307
25°	992	1009	1026	1040	1050	457
35°	864	887	916	942	954	541
45°	716	742	782	816	830	552
55°	551	582	630	675	692	492
65°	372	408	470	530	551	368
75°	191	238	322	391	420	202
85°	36	107	203	274	300	44
90°	0	64	155	222	250	2
95°	0	41	117	179	205	0
105°	0	14	64	112	131	0
115°	0	7	38	69	81	0
125°	0	5	24	45	52	0
135°	0	0	14	29	36	0
145°	0	0	7	17	19	0
155°	0	0	0	5	7	0
165°	0	0	0	0	0	0
175°	0	0	0	0	0	0
180°	0	0	0	0	0	0



TEST NUMBER: P1357356
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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1147.3	1147.3	1147.3	1147.3	1147.3
2.5°	1142.6	1149.7	1149.7	1142.6	1142.6
5°	1135.4	1145.0	1145.0	1145.0	1147.3
7.5°	1128.3	1140.2	1140.2	1140.2	1145.0
10°	1118.7	1130.6	1133.0	1133.0	1135.4
12.5°	1104.4	1118.7	1121.1	1123.5	1125.9
15°	1087.7	1102.0	1106.8	1113.9	1118.7
17.5°	1068.6	1085.3	1094.9	1102.0	1106.8
20°	1044.8	1061.5	1073.4	1082.9	1090.1
22.5°	1020.9	1035.2	1049.5	1061.5	1068.6
25°	992.3	1009.0	1025.7	1040.0	1049.5
27.5°	961.3	980.4	1001.8	1018.5	1028.1
30°	932.7	951.7	975.6	997.1	1006.6
32.5°	899.3	920.7	947.0	968.4	980.4
35°	863.5	887.3	916.0	942.2	954.1
37.5°	827.7	851.6	887.3	913.6	925.5
40°	791.9	815.8	853.9	882.6	894.5
42.5°	753.8	777.6	818.2	849.2	863.5
45°	715.6	741.8	782.4	815.8	830.1
47.5°	677.4	703.7	746.6	782.4	796.7
50°	634.5	663.1	706.1	746.6	760.9
52.5°	593.9	622.6	670.3	710.8	725.1
55°	551.0	582.0	629.7	675.0	691.7
57.5°	508.1	539.1	589.2	636.9	656.0
60°	462.8	496.1	548.6	598.7	620.2
62.5°	417.4	453.2	510.5	562.9	584.4
65°	372.1	407.9	469.9	529.5	551.0
67.5°	326.8	365.0	431.7	493.8	520.0
70°	281.5	322.0	393.6	458.0	484.2
72.5°	236.1	279.1	357.8	424.6	450.8
75°	190.8	238.5	322.0	391.2	419.8
77.5°	145.5	200.4	291.0	360.2	388.8
80°	105.0	167.0	257.6	329.2	357.8
82.5°	66.8	133.6	229.0	300.5	329.2
85°	35.8	107.3	202.8	274.3	300.5
87.5°	11.9	83.5	176.5	248.1	274.3
90°	0.0	64.4	155.0	221.8	250.5
92.5°	0.0	50.1	136.0	200.4	226.6
95°	0.0	40.6	116.9	178.9	205.1
97.5°	0.0	33.4	102.6	159.8	183.7
100°	0.0	26.2	88.3	143.1	164.6
102.5°	0.0	21.5	76.3	126.4	147.9
105°	0.0	14.3	64.4	112.1	131.2
107.5°	0.0	11.9	54.9	100.2	116.9
110°	0.0	9.5	50.1	85.9	102.6



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.0	7.2	45.3	76.3	93.0
115°	0.0	7.2	38.2	69.2	81.1
117.5°	0.0	7.2	33.4	62.0	73.9
120°	0.0	4.8	31.0	54.9	66.8
122.5°	0.0	4.8	26.2	50.1	59.6
125°	0.0	4.8	23.9	45.3	52.5
127.5°	0.0	2.4	21.5	40.6	47.7
130°	0.0	2.4	19.1	35.8	42.9
132.5°	0.0	2.4	16.7	33.4	40.6
135°	0.0	0.0	14.3	28.6	35.8
137.5°	0.0	0.0	11.9	26.2	31.0
140°	0.0	0.0	9.5	21.5	28.6
142.5°	0.0	0.0	7.2	19.1	23.9
145°	0.0	0.0	7.2	16.7	19.1
147.5°	0.0	0.0	4.8	11.9	16.7
150°	0.0	0.0	2.4	9.5	11.9
152.5°	0.0	0.0	0.0	7.2	9.5
155°	0.0	0.0	0.0	4.8	7.2
157.5°	0.0	0.0	0.0	0.0	2.4
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	15.68	17.22	16.15	17.68	18.16	17.73	19.27	18.20	19.73	20.21
	3H	17.18	18.58	17.66	19.05	19.57	20.21	21.62	20.69	22.08	22.60
	4H	17.66	18.99	18.16	19.47	20.01	21.42	22.75	21.92	23.23	23.77
	6H	17.93	19.17	18.45	19.67	20.22	22.69	23.93	23.20	24.43	24.98
	8H	17.98	19.17	18.51	19.69	20.25	23.35	24.54	23.88	25.06	25.62
	12H	18.00	19.14	18.53	19.65	20.24	24.08	25.22	24.62	25.74	26.33
4H	2H	16.56	17.89	17.06	18.38	18.91	18.17	19.50	18.67	19.98	20.52
	3H	18.30	19.43	18.81	19.96	20.52	20.87	22.00	21.38	22.53	23.09
	4H	18.90	19.94	19.44	20.48	21.07	22.25	23.29	22.78	23.82	24.42
	6H	19.30	20.22	19.85	20.78	21.38	23.71	24.63	24.26	25.19	25.80
	8H	19.39	20.26	19.95	20.82	21.44	24.48	25.34	25.04	25.90	26.52
	12H	19.44	20.22	20.02	20.81	21.44	25.34	26.12	25.92	26.71	27.33
8H	4H	19.59	20.45	20.15	21.01	21.63	22.46	23.33	23.02	23.89	24.51
	6H	20.17	20.90	20.76	21.50	22.13	24.09	24.83	24.69	25.43	26.06
	8H	20.35	21.01	20.95	21.62	22.26	25.00	25.66	25.61	26.28	26.92
	12H	20.47	21.05	21.07	21.66	22.36	26.05	26.64	26.65	27.24	27.94
12H	4H	19.79	20.57	20.37	21.16	21.78	22.47	23.26	23.05	23.85	24.47
	6H	20.47	21.13	21.07	21.74	22.38	24.13	24.79	24.74	25.41	26.04
	8H	20.75	21.34	21.35	21.94	22.64	25.11	25.70	25.71	26.30	27.01

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

Report Prepared for

Cooper Lighting Solutions

Fail-Safe

Report Number: SP1-2511-597-7

Test Date: 01/21/2026

Luminaire Tested: 4ASL-2-R630-UNV-OPL-1_600mA

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

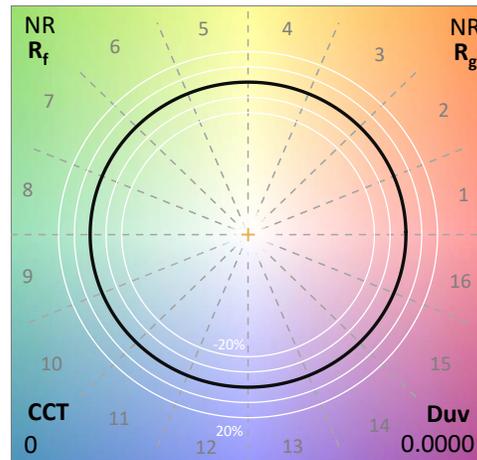
Test Information

Test Method: LM-79-2019
 Report Number: SP1-2511-597-7
 Test Lab: COOPER LIGHTING SOLUTIONS
 Photometer: SP1 - 76IN SPHERE
 Measurement Geometry: 4π
 Issue Date: 01/29/2026
 Manufacturer: COOPER LIGHTING SOLUTIONS
 Product Line: Fail-Safe
 Catalog Number: **4ASL-2-R630-UNV-OPL-1_600mA**
 Description: 2foot 4ASL LED LUMINAIRE WITH OPL LENS AND RED 630NM LEDs with 1 rows at 600mA

Spectral Parameters

CCT (K): 0
 CIE u': 0.5395
 CIE v': 0.5190
 Duv: 0.0000
 CIE x: 0.7004
 CIE y: 0.2995
 CIE z: 0.0001
 Peak Wavelength (nm): 638
 Dominant Wavelength (nm): 624
 Purity: 99.9862
 Rf: NR
 Rg: NR

CRI (Ra): 0.0
 R1: 0.0
 R2: 0.0
 R3: 0.0
 R4: 0.0
 R5: 0.0
 R6: 0.0
 R7: 0.0
 R8: 0.0
 R9: 0.0
 R10: 0.0
 R11: 0.0
 R12: 0.0
 R13: 0.0
 R14: 0.0
 R15: 0.0



Test Conditions
 Stabilization Time: 69M
 Operation Time: 2H 9M
 Sphere Temperature (°C): 25.1

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Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	76INCH SPHERE IN0058	12/16/2025	6/16/2026
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



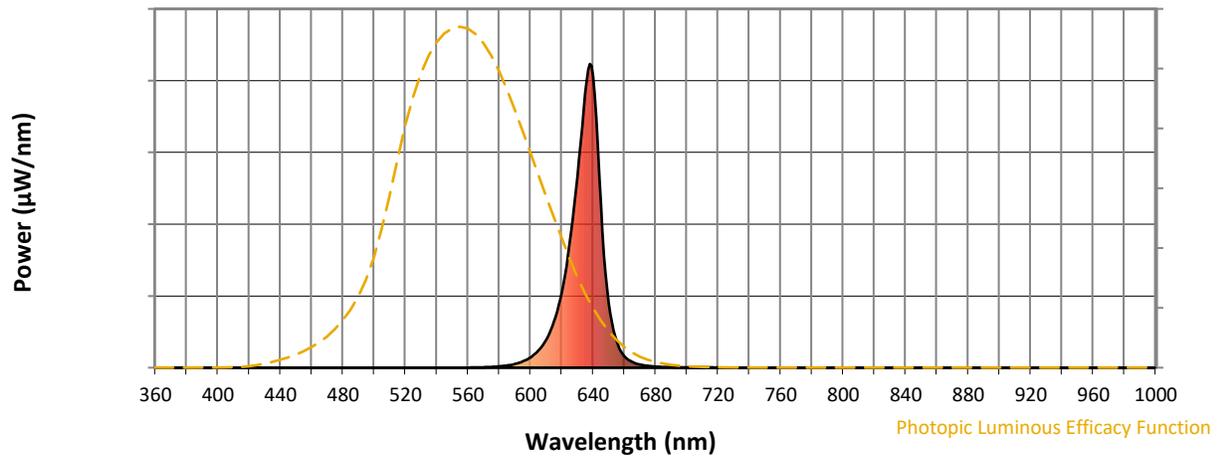
CIE 1931 Chromaticity Diagram with 2017 ANSI 7-Step and 4-Step Quadrangles



Point lies outside the range

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Photopic Flux vs. Wavelength

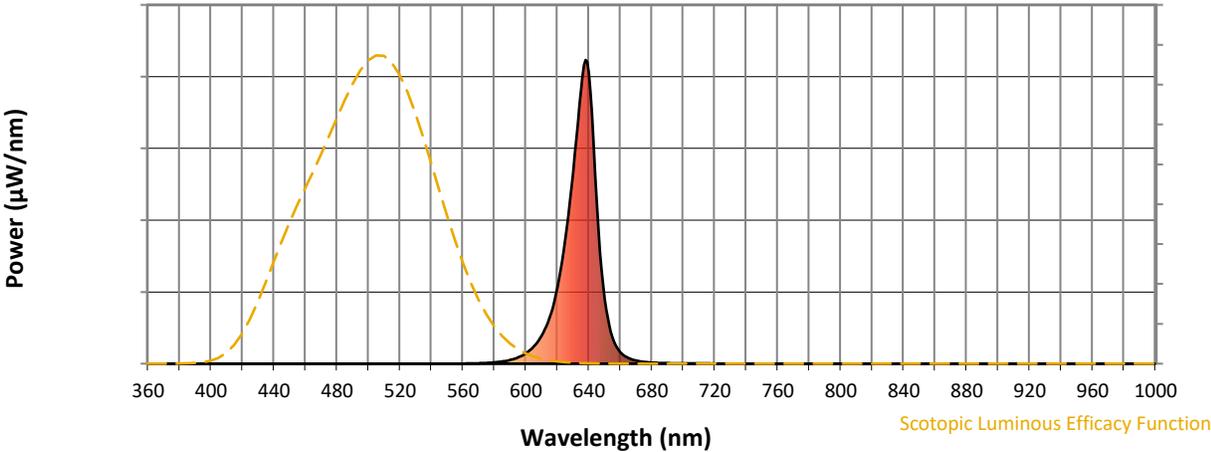


Photopic Lumens: NR

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	0	NR	620	248	NR	750	0	NR	880	0	NR
365	0	NR	495	0	NR	625	409	NR	755	0	NR	885	0	NR
370	0	NR	500	0	NR	630	630	NR	760	0	NR	890	0	NR
375	0	NR	505	0	NR	635	903	NR	765	0	NR	895	0	NR
380	0	NR	510	0	NR	640	960	NR	770	0	NR	900	0	NR
385	0	NR	515	0	NR	645	535	NR	775	0	NR	905	0	NR
390	0	NR	520	0	NR	650	212	NR	780	0	NR	910	0	NR
395	0	NR	525	0	NR	655	88	NR	785	0	NR	915	0	NR
400	0	NR	530	0	NR	660	38	NR	790	0	NR	920	0	NR
405	0	NR	535	0	NR	665	19	NR	795	0	NR	925	0	NR
410	0	NR	540	0	NR	670	10	NR	800	0	NR	930	0	NR
415	0	NR	545	0	NR	675	6	NR	805	0	NR	935	0	NR
420	0	NR	550	0	NR	680	4	NR	810	0	NR	940	0	NR
425	0	NR	555	0	NR	685	2	NR	815	0	NR	945	0	NR
430	0	NR	560	0	NR	690	2	NR	820	0	NR	950	0	NR
435	0	NR	565	1	NR	695	1	NR	825	0	NR	955	0	NR
440	0	NR	570	2	NR	700	1	NR	830	0	NR	960	0	NR
445	0	NR	575	3	NR	705	1	NR	835	0	NR	965	0	NR
450	0	NR	580	4	NR	710	1	NR	840	0	NR	970	0	NR
455	0	NR	585	7	NR	715	1	NR	845	0	NR	975	0	NR
460	0	NR	590	12	NR	720	1	NR	850	0	NR	980	0	NR
465	0	NR	595	20	NR	725	0	NR	855	0	NR	985	0	NR
470	0	NR	600	34	NR	730	0	NR	860	0	NR	990	0	NR
475	0	NR	605	56	NR	735	0	NR	865	0	NR	995	0	NR
480	0	NR	610	92	NR	740	0	NR	870	0	NR	1000	0	NR
485	0	NR	615	152	NR	745	0	NR	875	0	NR			

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Scotopic Flux vs. Wavelength



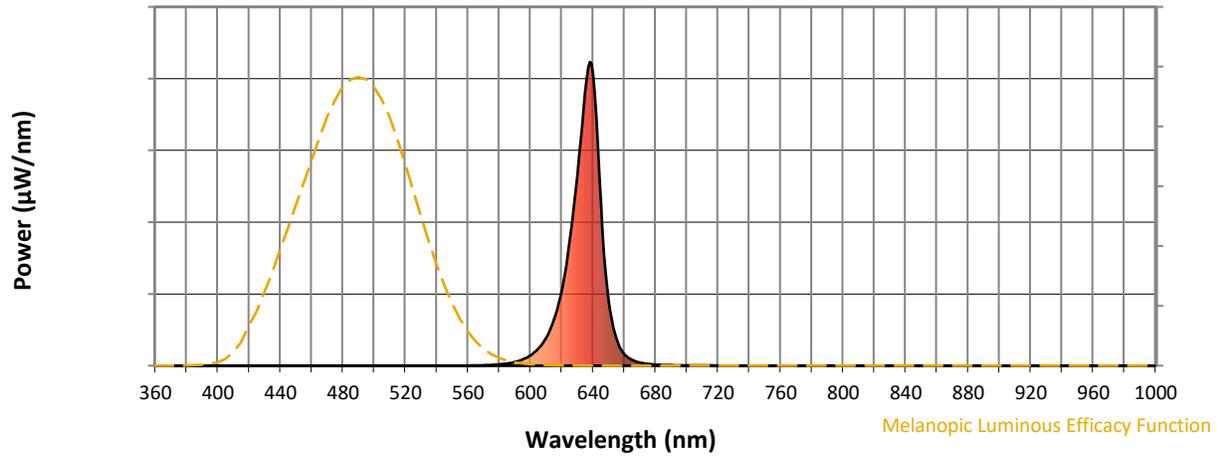
Scotopic Lumens: NR

S/P: 0.05

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	0	NR	620	248	NR	750	0	NR	880	0	NR
365	0	NR	495	0	NR	625	409	NR	755	0	NR	885	0	NR
370	0	NR	500	0	NR	630	630	NR	760	0	NR	890	0	NR
375	0	NR	505	0	NR	635	903	NR	765	0	NR	895	0	NR
380	0	NR	510	0	NR	640	960	NR	770	0	NR	900	0	NR
385	0	NR	515	0	NR	645	535	NR	775	0	NR	905	0	NR
390	0	NR	520	0	NR	650	212	NR	780	0	NR	910	0	NR
395	0	NR	525	0	NR	655	88	NR	785	0	NR	915	0	NR
400	0	NR	530	0	NR	660	38	NR	790	0	NR	920	0	NR
405	0	NR	535	0	NR	665	19	NR	795	0	NR	925	0	NR
410	0	NR	540	0	NR	670	10	NR	800	0	NR	930	0	NR
415	0	NR	545	0	NR	675	6	NR	805	0	NR	935	0	NR
420	0	NR	550	0	NR	680	4	NR	810	0	NR	940	0	NR
425	0	NR	555	0	NR	685	2	NR	815	0	NR	945	0	NR
430	0	NR	560	0	NR	690	2	NR	820	0	NR	950	0	NR
435	0	NR	565	1	NR	695	1	NR	825	0	NR	955	0	NR
440	0	NR	570	2	NR	700	1	NR	830	0	NR	960	0	NR
445	0	NR	575	3	NR	705	1	NR	835	0	NR	965	0	NR
450	0	NR	580	4	NR	710	1	NR	840	0	NR	970	0	NR
455	0	NR	585	7	NR	715	1	NR	845	0	NR	975	0	NR
460	0	NR	590	12	NR	720	1	NR	850	0	NR	980	0	NR
465	0	NR	595	20	NR	725	0	NR	855	0	NR	985	0	NR
470	0	NR	600	34	NR	730	0	NR	860	0	NR	990	0	NR
475	0	NR	605	56	NR	735	0	NR	865	0	NR	995	0	NR
480	0	NR	610	92	NR	740	0	NR	870	0	NR	1000	0	NR
485	0	NR	615	152	NR	745	0	NR	875	0	NR			

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Melanopic Flux vs. Wavelength



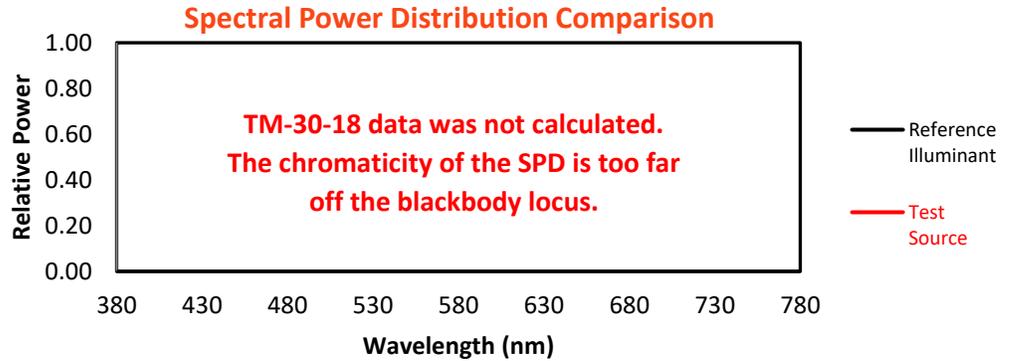
Melanopic Lumens: NR

M/P: 0.02

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	0	NR	620	248	NR	750	0	NR	880	0	NR
365	0	NR	495	0	NR	625	409	NR	755	0	NR	885	0	NR
370	0	NR	500	0	NR	630	630	NR	760	0	NR	890	0	NR
375	0	NR	505	0	NR	635	903	NR	765	0	NR	895	0	NR
380	0	NR	510	0	NR	640	960	NR	770	0	NR	900	0	NR
385	0	NR	515	0	NR	645	535	NR	775	0	NR	905	0	NR
390	0	NR	520	0	NR	650	212	NR	780	0	NR	910	0	NR
395	0	NR	525	0	NR	655	88	NR	785	0	NR	915	0	NR
400	0	NR	530	0	NR	660	38	NR	790	0	NR	920	0	NR
405	0	NR	535	0	NR	665	19	NR	795	0	NR	925	0	NR
410	0	NR	540	0	NR	670	10	NR	800	0	NR	930	0	NR
415	0	NR	545	0	NR	675	6	NR	805	0	NR	935	0	NR
420	0	NR	550	0	NR	680	4	NR	810	0	NR	940	0	NR
425	0	NR	555	0	NR	685	2	NR	815	0	NR	945	0	NR
430	0	NR	560	0	NR	690	2	NR	820	0	NR	950	0	NR
435	0	NR	565	1	NR	695	1	NR	825	0	NR	955	0	NR
440	0	NR	570	2	NR	700	1	NR	830	0	NR	960	0	NR
445	0	NR	575	3	NR	705	1	NR	835	0	NR	965	0	NR
450	0	NR	580	4	NR	710	1	NR	840	0	NR	970	0	NR
455	0	NR	585	7	NR	715	1	NR	845	0	NR	975	0	NR
460	0	NR	590	12	NR	720	1	NR	850	0	NR	980	0	NR
465	0	NR	595	20	NR	725	0	NR	855	0	NR	985	0	NR
470	0	NR	600	34	NR	730	0	NR	860	0	NR	990	0	NR
475	0	NR	605	56	NR	735	0	NR	865	0	NR	995	0	NR
480	0	NR	610	92	NR	740	0	NR	870	0	NR	1000	0	NR
485	0	NR	615	152	NR	745	0	NR	875	0	NR			

Summary

$R_f = 0$
 $R_g = 0$
 CIE $R_a = 0.0$
 $R_9 = 0.0$



Color Vector Graphics

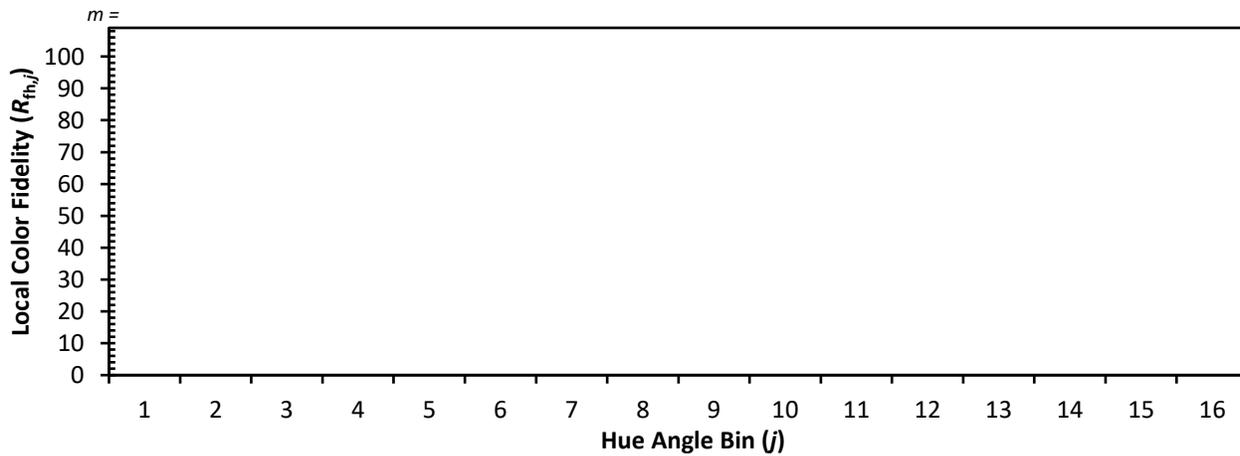


Individual Sample Fidelity Index ($R_{f,i}$)

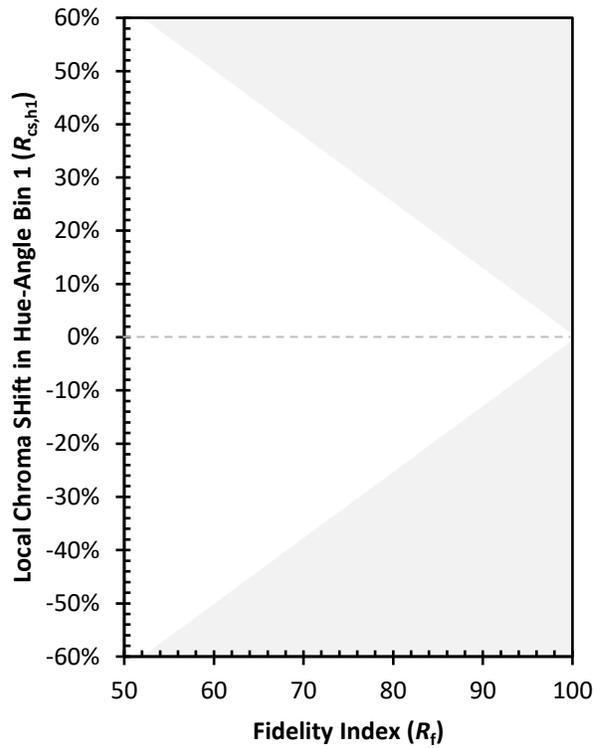
CES01 = 0	CES26 = 0	CES51 = 0	CES76 = 0
CES02 = 0	CES27 = 0	CES52 = 0	CES77 = 0
CES03 = 0	CES28 = 0	CES53 = 0	CES78 = 0
CES04 = 0	CES29 = 0	CES54 = 0	CES79 = 0
CES05 = 0	CES30 = 0	CES55 = 0	CES80 = 0
CES06 = 0	CES31 = 0	CES56 = 0	CES81 = 0
CES07 = 0	CES32 = 0	CES57 = 0	CES82 = 0
CES08 = 0	CES33 = 0	CES58 = 0	CES83 = 0
CES09 = 0	CES34 = 0	CES59 = 0	CES84 = 0
CES10 = 0	CES35 = 0	CES60 = 0	CES85 = 0
CES11 = 0	CES36 = 0	CES61 = 0	CES86 = 0
CES12 = 0	CES37 = 0	CES62 = 0	CES87 = 0
CES13 = 0	CES38 = 0	CES63 = 0	CES88 = 0
CES14 = 0	CES39 = 0	CES64 = 0	CES89 = 0
CES15 = 0	CES40 = 0	CES65 = 0	CES90 = 0
CES16 = 0	CES41 = 0	CES66 = 0	CES91 = 0
CES17 = 0	CES42 = 0	CES67 = 0	CES92 = 0
CES18 = 0	CES43 = 0	CES68 = 0	CES93 = 0
CES19 = 0	CES44 = 0	CES69 = 0	CES94 = 0
CES20 = 0	CES45 = 0	CES70 = 0	CES95 = 0
CES21 = 0	CES46 = 0	CES71 = 0	CES96 = 0
CES22 = 0	CES47 = 0	CES72 = 0	CES97 = 0
CES23 = 0	CES48 = 0	CES73 = 0	CES98 = 0
CES24 = 0	CES49 = 0	CES74 = 0	CES99 = 0
CES25 = 0	CES50 = 0	CES75 = 0	



Color Rendition by Hue-Angle Bin



Measure Comparisons



(END OF REPORT)