

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: METALUX

Report Number: P977003

Luminaire Tested: 24SR-LD2-C-39-UNV-L835-CD1-ST-U

Issue Date: 03/18/2025

Test Information

Test Method: LM-79-2019
Report Number: P977003
Test Lab: INNOVATION CENTER(P3)
Issue Date: 03/18/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: METALUX
Catalog Number: 24SR-LD2-C-39-UNV-L835-CD1-ST-U
Description: METALUX SKYRIDGE 2x4 3900LM PACKAGE 80CRI 3500K TROFFER with Straw SKYTRIM
Light Source: 3500K CCT, 80+ CRI LEDS
Ballast/Driver: -

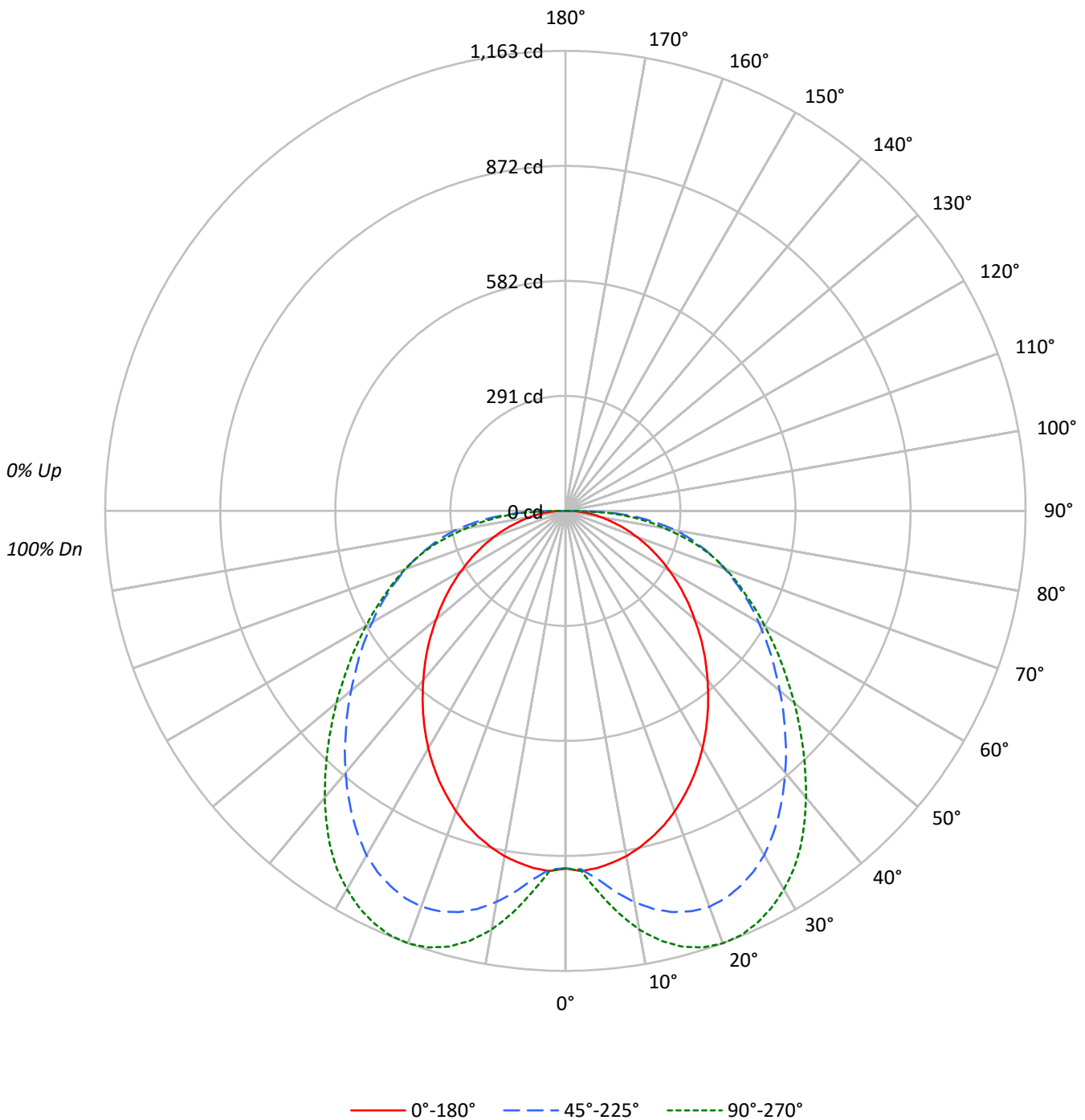
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3431.0 lumens
Efficiency: N/A
Efficacy: 123.9 lumens/watt
Spacing Criteria (0/90/45): 1.15 / 1.62 / 1.56
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 27.7
Input Voltage (V): 120
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: 28.75 FT

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CATALOG NUMBER: 24SR-LD2-C-39-UNV-L835-CD1-ST-U

Luminous Intensity Polar Plot





TEST NUMBER: P977003

CATALOG NUMBER: 24SR-LD2-C-39-UNV-L835-CD1-ST-U

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	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	102	102	102	100
1	107	102	97	92	104	99	95	91	95	91	88	91	88	85	87	85	83	83	83	83	80
2	97	88	80	74	94	86	79	73	82	76	71	79	74	69	76	71	68	68	68	68	66
3	88	76	68	61	85	75	67	60	72	65	59	69	63	58	66	61	57	57	57	57	54
4	80	67	58	51	78	66	57	50	63	56	50	61	54	49	59	53	48	48	48	48	46
5	74	60	50	43	71	59	50	43	57	49	43	55	48	42	53	47	42	42	42	42	40
6	68	54	44	38	66	53	44	38	51	43	37	49	42	37	48	41	37	37	37	37	34
7	63	49	40	33	61	48	39	33	46	39	33	45	38	33	43	37	32	32	32	32	30
8	58	44	36	30	57	44	35	29	42	35	29	41	34	29	40	34	29	29	29	29	27
9	55	41	32	26	53	40	32	26	39	31	26	38	31	26	37	31	26	26	26	26	24
10	51	37	29	24	50	37	29	24	36	29	24	35	28	24	34	28	24	24	24	24	22

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	1216	1216	1216
5°	1224	1262	1308
10°	1211	1372	1469
15°	1187	1463	1588
20°	1157	1525	1666
25°	1119	1553	1705
30°	1077	1561	1716
35°	1029	1543	1702
40°	981	1518	1662
45°	937	1492	1616
50°	892	1479	1582
55°	855	1487	1561
60°	820	1518	1565
65°	785	1582	1603
70°	753	1687	1698
75°	718	1861	1832
80°	713	2197	1983
85°	783	2828	2473

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 40°
 Vertical Angle: 87.5°
 Luminance: 3748 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	90.8	2.6
10°-20°	288.4	8.4
20°-30°	461.1	13.4
30°-40°	558.2	16.3
40°-50°	570.1	16.6
50°-60°	525.3	15.3
60°-70°	446.8	13.0
70°-80°	334.1	9.7
80°-90°	156.1	4.5
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°	840.3	24.5
0°-40°	1398.6	40.8
0°-60°	2494.0	72.7
0°-90°	3431.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3431.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	904	904	904	904	904	
5°	907	901	934	958	968	86
15°	852	929	1050	1116	1140	240
25°	754	896	1046	1121	1149	347
35°	627	792	940	1011	1036	392
45°	492	655	784	835	850	380
55°	364	530	634	658	665	326
65°	247	419	497	500	503	245
75°	138	303	358	352	352	148
85°	51	160	183	162	160	53
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	903.8	903.8	903.8	903.8	903.8	903.8	903.8	903.8	903.8	903.8	903.8
2.5°	911.1	909.3	906.6	902.8	902.0	902.0	901.0	901.0	902.8	906.6	912.0
5°	906.6	904.7	902.0	899.1	900.1	902.8	908.4	914.9	924.0	934.2	945.2
7.5°	897.4	896.4	894.5	894.5	902.0	914.9	927.7	940.6	955.4	971.0	987.6
10°	886.2	885.4	884.4	891.8	908.4	927.7	946.1	963.5	983.8	1004.0	1023.4
12.5°	870.6	870.6	873.4	890.0	913.0	936.9	959.9	983.0	1006.9	1030.8	1052.0
15°	852.2	852.2	861.5	885.4	914.9	942.5	970.1	995.9	1023.4	1050.1	1072.2
17.5°	832.0	831.1	848.6	877.9	911.1	943.3	974.7	1003.2	1031.7	1061.1	1084.2
20°	808.1	809.9	832.9	866.9	903.8	939.6	972.8	1003.2	1033.5	1064.8	1086.9
22.5°	781.3	785.0	813.5	851.3	892.7	929.6	964.5	996.7	1028.1	1059.3	1081.4
25°	753.7	758.4	793.3	832.9	877.1	914.9	949.8	983.8	1015.2	1046.4	1068.6
27.5°	724.3	730.8	770.3	811.8	855.9	895.5	930.5	965.4	996.7	1028.9	1049.2
30°	693.0	701.3	743.7	785.9	832.0	870.6	905.6	941.5	973.7	1005.0	1024.3
32.5°	659.9	670.0	713.2	759.3	804.4	842.1	877.1	913.9	944.2	973.7	993.0
35°	626.7	638.8	682.9	728.9	773.0	810.8	844.9	881.7	912.0	939.6	958.1
37.5°	592.7	607.4	651.6	696.7	740.0	777.7	812.7	846.7	877.1	902.8	921.3
40°	558.6	575.2	619.4	663.5	706.8	742.7	776.7	810.8	841.2	864.2	881.7
42.5°	525.5	542.0	587.2	631.3	671.0	707.8	741.8	774.9	802.5	825.5	841.2
45°	492.4	509.8	554.0	597.3	636.9	673.7	707.8	738.1	764.9	784.2	799.8
47.5°	459.3	477.6	521.8	565.1	602.8	638.8	673.7	701.3	727.1	746.4	759.3
50°	426.1	446.4	489.6	533.8	570.6	606.6	639.6	665.4	689.3	706.8	718.8
52.5°	395.7	415.1	459.3	503.4	540.3	576.1	607.4	632.3	653.4	669.1	681.0
55°	364.4	385.6	431.7	474.0	511.7	547.6	576.1	599.1	618.4	634.1	643.3
57.5°	334.1	358.0	403.0	445.4	484.1	518.1	545.7	567.8	585.4	598.3	606.6
60°	304.6	329.5	376.4	418.8	457.4	490.5	517.3	537.4	553.2	564.2	571.5
62.5°	275.2	303.7	349.8	393.9	430.7	462.9	487.8	506.2	521.0	531.0	535.6
65°	246.6	276.1	323.9	367.3	404.0	434.4	458.3	474.9	488.6	496.9	498.8
67.5°	219.0	250.3	298.1	341.5	377.3	405.9	428.9	444.5	456.4	462.0	463.9
70°	191.4	223.7	272.4	315.7	349.8	377.3	398.5	413.2	423.4	428.9	428.9
72.5°	165.6	197.9	246.6	289.0	320.3	347.9	367.3	381.0	390.2	393.9	393.0
75°	138.1	171.2	219.0	259.5	290.0	315.7	335.0	348.8	355.2	358.0	357.1
77.5°	114.1	145.4	191.4	229.1	261.4	282.5	301.9	314.7	321.2	323.0	322.2
80°	92.0	121.5	162.0	197.9	225.4	248.5	265.9	279.8	285.3	283.5	275.2
82.5°	70.8	97.6	133.4	164.7	190.5	211.7	230.1	238.3	239.3	234.7	227.3
85°	50.7	70.8	101.2	128.0	151.9	167.5	178.5	184.9	186.8	183.2	174.9
87.5°	28.5	41.4	59.8	79.1	97.6	108.6	115.1	118.8	121.5	117.8	112.2
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):

	55°	60°	65°	70°	75°	80°	85°	90°
0°	903.8	903.8	903.8	903.8	903.8	903.8	903.8	903.8
2.5°	906.6	909.3	908.4	910.3	911.1	911.1	908.4	910.3
5°	946.1	951.6	955.4	960.8	964.5	964.5	965.4	968.2
7.5°	989.4	998.6	1006.9	1013.3	1017.9	1019.8	1022.5	1025.2
10°	1029.8	1040.9	1050.1	1058.4	1063.9	1067.6	1070.3	1075.0
12.5°	1061.1	1074.0	1084.2	1093.3	1100.8	1106.2	1108.9	1112.7
15°	1084.2	1098.9	1110.8	1121.0	1127.4	1133.8	1136.6	1140.3
17.5°	1097.9	1112.7	1125.5	1135.7	1143.0	1149.4	1153.2	1156.9
20°	1101.6	1116.4	1130.1	1140.3	1147.7	1155.9	1159.6	1163.3
22.5°	1096.1	1110.8	1125.5	1136.6	1144.9	1153.2	1156.9	1160.6
25°	1085.0	1100.8	1115.4	1126.5	1133.8	1142.1	1146.7	1148.6
27.5°	1067.6	1083.2	1097.9	1108.1	1116.4	1124.7	1129.3	1130.1
30°	1042.8	1058.4	1073.1	1083.2	1092.5	1099.8	1104.4	1104.4
32.5°	1012.3	1027.1	1042.8	1052.0	1060.3	1067.6	1072.2	1074.0
35°	977.4	992.1	1006.9	1015.2	1024.3	1029.8	1033.5	1036.2
37.5°	939.6	954.4	966.4	973.7	983.8	987.6	993.0	992.1
40°	899.1	911.1	922.2	928.6	936.9	941.5	947.1	946.1
42.5°	856.9	868.8	877.9	885.4	890.0	894.5	898.3	897.4
45°	813.5	824.7	832.9	836.6	844.0	845.7	849.5	849.5
47.5°	770.3	779.5	786.9	792.4	796.1	797.9	801.6	801.6
50°	728.9	737.2	741.8	746.4	750.1	752.8	754.7	755.6
52.5°	688.4	694.9	698.6	702.2	705.9	707.8	709.6	708.6
55°	649.8	654.4	657.1	659.9	662.7	665.4	665.4	665.4
57.5°	611.1	613.9	616.6	618.4	621.2	623.0	623.0	623.0
60°	573.4	576.1	577.1	578.9	581.7	582.5	583.5	581.7
62.5°	536.6	537.4	538.4	539.3	542.0	543.9	543.9	543.0
65°	498.8	498.8	499.8	500.7	502.5	504.4	505.2	503.4
67.5°	462.0	462.0	462.9	462.9	465.7	467.6	468.4	468.4
70°	426.1	425.2	427.1	427.9	429.8	429.8	431.7	431.7
72.5°	390.2	389.3	391.2	391.2	393.0	393.9	393.9	393.9
75°	355.2	352.5	353.4	351.5	353.4	353.4	352.5	352.5
77.5°	317.5	311.0	309.3	305.6	305.6	305.6	303.7	303.7
80°	269.6	263.2	260.5	257.6	257.6	256.8	255.9	255.9
82.5°	221.8	216.3	213.5	210.8	212.5	209.8	210.8	211.7
85°	170.3	165.6	163.9	161.0	160.2	160.2	161.0	160.2
87.5°	110.5	105.8	105.8	103.1	104.9	102.2	99.3	101.2
90°	0.0	0.0	0.0	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	12.0	13.7	12.4	14.1	14.4	13.9	15.6	14.3	15.9	16.3
	3H	13.9	15.5	14.3	15.8	16.1	16.3	17.8	16.6	18.1	18.5
	4H	14.6	16.1	15.0	16.4	16.8	17.3	18.8	17.7	19.2	19.5
	6H	15.2	16.5	15.6	16.9	17.3	18.3	19.7	18.7	20.0	20.4
	8H	15.4	16.7	15.8	17.1	17.5	18.7	20.0	19.1	20.4	20.8
	12H	15.5	16.8	15.9	17.2	17.6	19.1	20.4	19.5	20.7	21.2
4H	2H	13.3	14.8	13.7	15.1	15.5	14.7	16.1	15.1	16.5	16.9
	3H	15.7	16.9	16.1	17.3	17.7	17.3	18.5	17.7	18.9	19.3
	4H	16.7	17.8	17.1	18.2	18.7	18.5	19.7	18.9	20.1	20.5
	6H	17.5	18.5	18.0	19.0	19.4	19.6	20.7	20.1	21.1	21.5
	8H	17.8	18.8	18.3	19.2	19.7	20.1	21.1	20.6	21.5	22.0
	12H	18.1	18.9	18.5	19.4	19.9	20.6	21.5	21.1	22.0	22.4
8H	4H	17.6	18.5	18.0	19.0	19.4	19.0	20.0	19.5	20.4	20.9
	6H	18.8	19.6	19.3	20.1	20.6	20.4	21.2	20.9	21.7	22.1
	8H	19.4	20.1	19.9	20.6	21.1	21.0	21.7	21.5	22.2	22.7
	12H	19.8	20.5	20.3	21.0	21.5	21.6	22.3	22.1	22.8	23.3
12H	4H	17.8	18.6	18.2	19.1	19.6	19.1	20.0	19.6	20.5	20.9
	6H	19.1	19.9	19.7	20.3	20.9	20.6	21.3	21.1	21.8	22.3
	8H	19.8	20.5	20.4	21.0	21.5	21.3	21.9	21.8	22.4	23.0

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

Report Prepared for

Cooper Lighting Solutions

Metalux

Report Number: SP1-2506-457-6

Test Date: 07/01/2025

Luminaire Tested: 24SR-LD2-64-C-UNV-L935-CD1-U

Data in this report applies to families of products including 24SR-LD2-64-C-UNV-L935-CD1-U

Test Information

Test Method: LM-79-2019
 Report Number: SP1-2506-457-6
 Test Lab: COOPER LIGHTING SOLUTIONS
 Photometer: SP1 - 76IN SPHERE
 Measurement Geometry: 4π
 Issue Date: 07/02/2025
 Manufacturer: COOPER LIGHTING SOLUTIONS
 Product Line: Metalux
 Catalog Number: **24SR-LD2-64-C-UNV-L935-CD1-U**
 Description: 2X4 SKYRIDGE 6400LM Fixture with new LTN chip

Spectral Parameters

CCT (K): 3329
 CIE u': 0.2411
 CIE v': 0.5118
 Duv: -0.0021
 CIE x: 0.4128
 CIE y: 0.3894
 CIE z: 0.1979
 Peak Wavelength (nm): 630
 Dominant Wavelength (nm): 582
 Purity: 40.74075
 Rf: 91.4
 Rg: 100.2

CRI (Ra):	93.9		
R1:	95.4	R9:	60.5
R2:	97.4	R10:	92.5
R3:	97.7	R11:	95.9
R4:	94.9	R12:	82.0
R5:	95.1	R13:	96.0
R6:	95.7	R14:	98.0
R7:	91.7	R15:	91.5
R8:	83.2		



Test Conditions

Stabilization Time: 48M
 Operation Time: 1H 48M
 Sphere Temperature (°C): 24.0

REPORT NUMBER: SP1-2506-457-6

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

REPORT NUMBER: SP1-2506-457-6

CIE 1931 Chromaticity Diagram



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



Point lies inside the ANSI 3500K 7-step quadrangle

REPORT NUMBER: SP1-2506-457-6

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	143	NR	620	358	NR	750	9	NR	880	0	NR
365	0	NR	495	166	NR	625	357	NR	755	7	NR	885	0	NR
370	0	NR	500	191	NR	630	1000	NR	760	6	NR	890	0	NR
375	0	NR	505	210	NR	635	705	NR	765	5	NR	895	0	NR
380	0	NR	510	223	NR	640	239	NR	770	5	NR	900	0	NR
385	0	NR	515	233	NR	645	226	NR	775	4	NR	905	0	NR
390	1	NR	520	240	NR	650	201	NR	780	3	NR	910	0	NR
395	2	NR	525	246	NR	655	170	NR	785	3	NR	915	0	NR
400	3	NR	530	251	NR	660	145	NR	790	2	NR	920	0	NR
405	4	NR	535	260	NR	665	123	NR	795	2	NR	925	0	NR
410	6	NR	540	267	NR	670	113	NR	800	2	NR	930	0	NR
415	9	NR	545	276	NR	675	93	NR	805	2	NR	935	0	NR
420	16	NR	550	284	NR	680	80	NR	810	1	NR	940	0	NR
425	28	NR	555	294	NR	685	69	NR	815	1	NR	945	0	NR
430	46	NR	560	303	NR	690	59	NR	820	1	NR	950	0	NR
435	75	NR	565	313	NR	695	51	NR	825	1	NR	955	0	NR
440	120	NR	570	319	NR	700	43	NR	830	1	NR	960	0	NR
445	203	NR	575	327	NR	705	37	NR	835	1	NR	965	0	NR
450	311	NR	580	336	NR	710	31	NR	840	1	NR	970	0	NR
455	290	NR	585	344	NR	715	26	NR	845	1	NR	975	0	NR
460	197	NR	590	349	NR	720	22	NR	850	0	NR	980	0	NR
465	163	NR	595	350	NR	725	18	NR	855	0	NR	985	0	NR
470	135	NR	600	355	NR	730	15	NR	860	0	NR	990	0	NR
475	110	NR	605	357	NR	735	13	NR	865	0	NR	995	0	NR
480	108	NR	610	391	NR	740	11	NR	870	0	NR	1000	0	NR
485	123	NR	615	421	NR	745	10	NR	875	0	NR			

REPORT NUMBER: SP1-2506-457-6

Scotopic Flux vs. Wavelength



Scotopic Lumens: NR

S/P: 1.57

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	143	NR	620	358	NR	750	9	NR	880	0	NR
365	0	NR	495	166	NR	625	357	NR	755	7	NR	885	0	NR
370	0	NR	500	191	NR	630	1000	NR	760	6	NR	890	0	NR
375	0	NR	505	210	NR	635	705	NR	765	5	NR	895	0	NR
380	0	NR	510	223	NR	640	239	NR	770	5	NR	900	0	NR
385	0	NR	515	233	NR	645	226	NR	775	4	NR	905	0	NR
390	1	NR	520	240	NR	650	201	NR	780	3	NR	910	0	NR
395	2	NR	525	246	NR	655	170	NR	785	3	NR	915	0	NR
400	3	NR	530	251	NR	660	145	NR	790	2	NR	920	0	NR
405	4	NR	535	260	NR	665	123	NR	795	2	NR	925	0	NR
410	6	NR	540	267	NR	670	113	NR	800	2	NR	930	0	NR
415	9	NR	545	276	NR	675	93	NR	805	2	NR	935	0	NR
420	16	NR	550	284	NR	680	80	NR	810	1	NR	940	0	NR
425	28	NR	555	294	NR	685	69	NR	815	1	NR	945	0	NR
430	46	NR	560	303	NR	690	59	NR	820	1	NR	950	0	NR
435	75	NR	565	313	NR	695	51	NR	825	1	NR	955	0	NR
440	120	NR	570	319	NR	700	43	NR	830	1	NR	960	0	NR
445	203	NR	575	327	NR	705	37	NR	835	1	NR	965	0	NR
450	311	NR	580	336	NR	710	31	NR	840	1	NR	970	0	NR
455	290	NR	585	344	NR	715	26	NR	845	1	NR	975	0	NR
460	197	NR	590	349	NR	720	22	NR	850	0	NR	980	0	NR
465	163	NR	595	350	NR	725	18	NR	855	0	NR	985	0	NR
470	135	NR	600	355	NR	730	15	NR	860	0	NR	990	0	NR
475	110	NR	605	357	NR	735	13	NR	865	0	NR	995	0	NR
480	108	NR	610	391	NR	740	11	NR	870	0	NR	1000	0	NR
485	123	NR	615	421	NR	745	10	NR	875	0	NR			

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Melanopic Flux vs. Wavelength



Melanopic Lumens: NR

M/P: 3.17

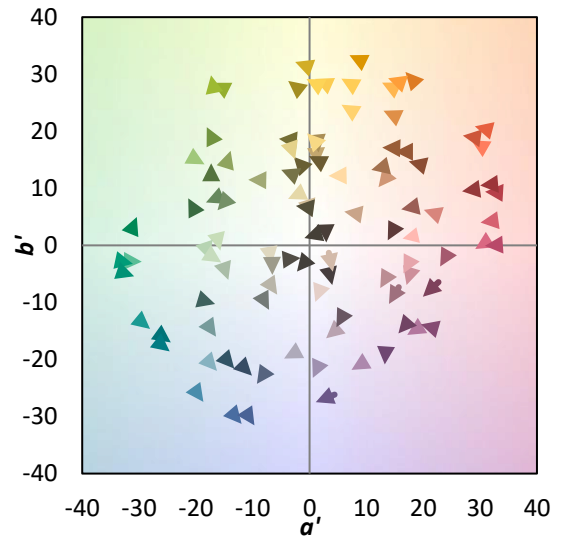
λ (nm)	Power W [^] /nm	Lumens (φ/nm)	λ (nm)	Power W [^] /nm	Lumens (φ/nm)	λ (nm)	Power W [^] /nm	Lumens (φ/nm)	λ (nm)	Power W [^] /nm	Lumens (φ/nm)	λ (nm)	Power W [^] /nm	Lumens (φ/nm)
360	0	NR	490	143	NR	620	358	NR	750	9	NR	880	0	NR
365	0	NR	495	166	NR	625	357	NR	755	7	NR	885	0	NR
370	0	NR	500	191	NR	630	1000	NR	760	6	NR	890	0	NR
375	0	NR	505	210	NR	635	705	NR	765	5	NR	895	0	NR
380	0	NR	510	223	NR	640	239	NR	770	5	NR	900	0	NR
385	0	NR	515	233	NR	645	226	NR	775	4	NR	905	0	NR
390	1	NR	520	240	NR	650	201	NR	780	3	NR	910	0	NR
395	2	NR	525	246	NR	655	170	NR	785	3	NR	915	0	NR
400	3	NR	530	251	NR	660	145	NR	790	2	NR	920	0	NR
405	4	NR	535	260	NR	665	123	NR	795	2	NR	925	0	NR
410	6	NR	540	267	NR	670	113	NR	800	2	NR	930	0	NR
415	9	NR	545	276	NR	675	93	NR	805	2	NR	935	0	NR
420	16	NR	550	284	NR	680	80	NR	810	1	NR	940	0	NR
425	28	NR	555	294	NR	685	69	NR	815	1	NR	945	0	NR
430	46	NR	560	303	NR	690	59	NR	820	1	NR	950	0	NR
435	75	NR	565	313	NR	695	51	NR	825	1	NR	955	0	NR
440	120	NR	570	319	NR	700	43	NR	830	1	NR	960	0	NR
445	203	NR	575	327	NR	705	37	NR	835	1	NR	965	0	NR
450	311	NR	580	336	NR	710	31	NR	840	1	NR	970	0	NR
455	290	NR	585	344	NR	715	26	NR	845	1	NR	975	0	NR
460	197	NR	590	349	NR	720	22	NR	850	0	NR	980	0	NR
465	163	NR	595	350	NR	725	18	NR	855	0	NR	985	0	NR
470	135	NR	600	355	NR	730	15	NR	860	0	NR	990	0	NR
475	110	NR	605	357	NR	735	13	NR	865	0	NR	995	0	NR
480	108	NR	610	391	NR	740	11	NR	870	0	NR	1000	0	NR
485	123	NR	615	421	NR	745	10	NR	875	0	NR			

Summary

$R_f = 91.4$
 $R_g = 100.2$
 $CIE R_a = 93.9$
 $R_9 = 60.5$

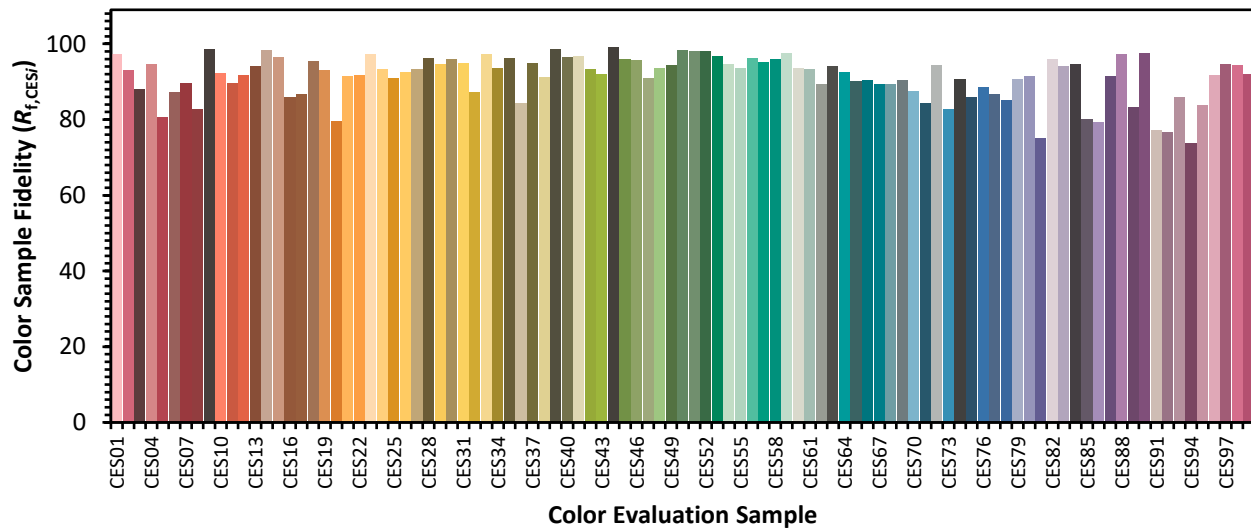


Color Vector Graphics

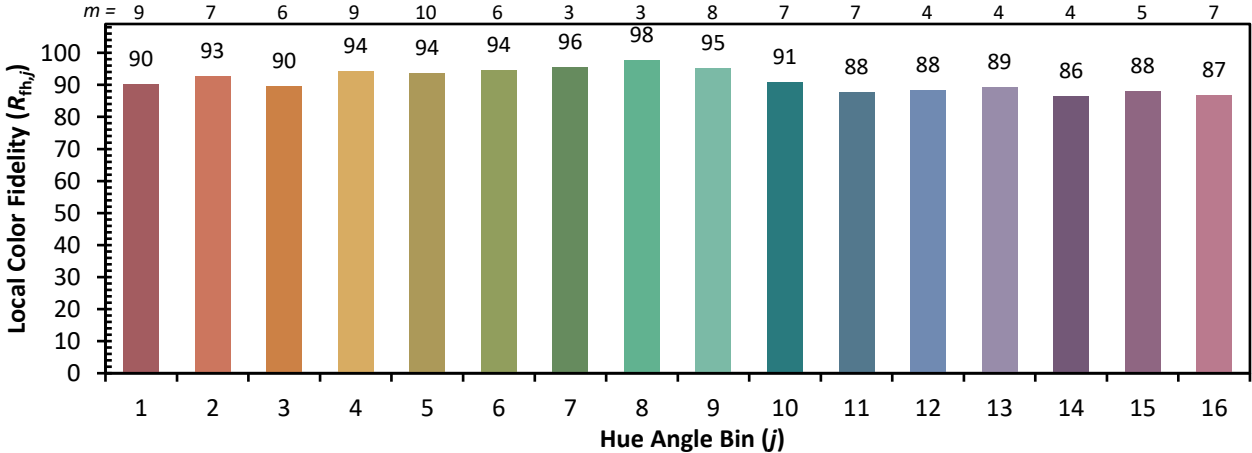
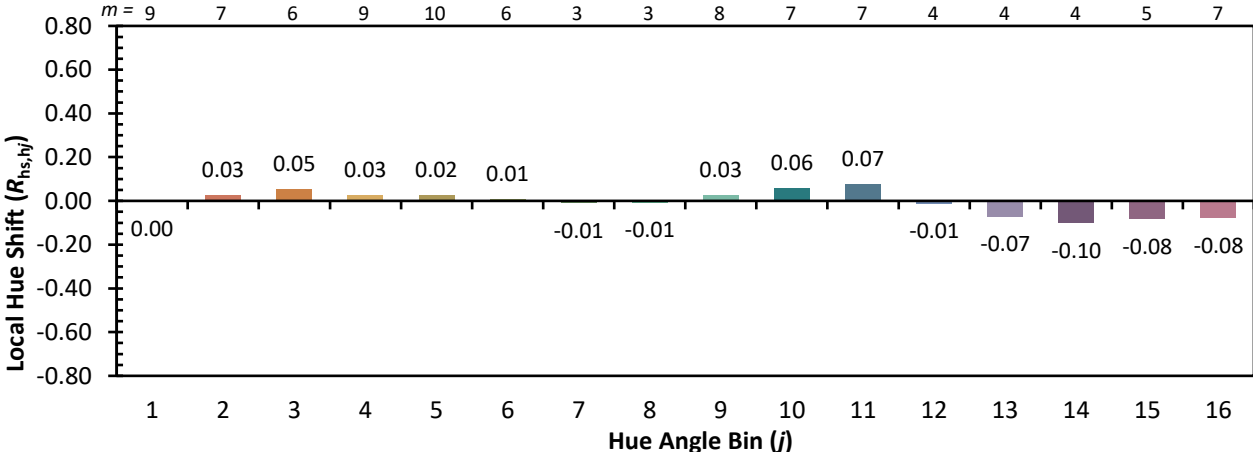
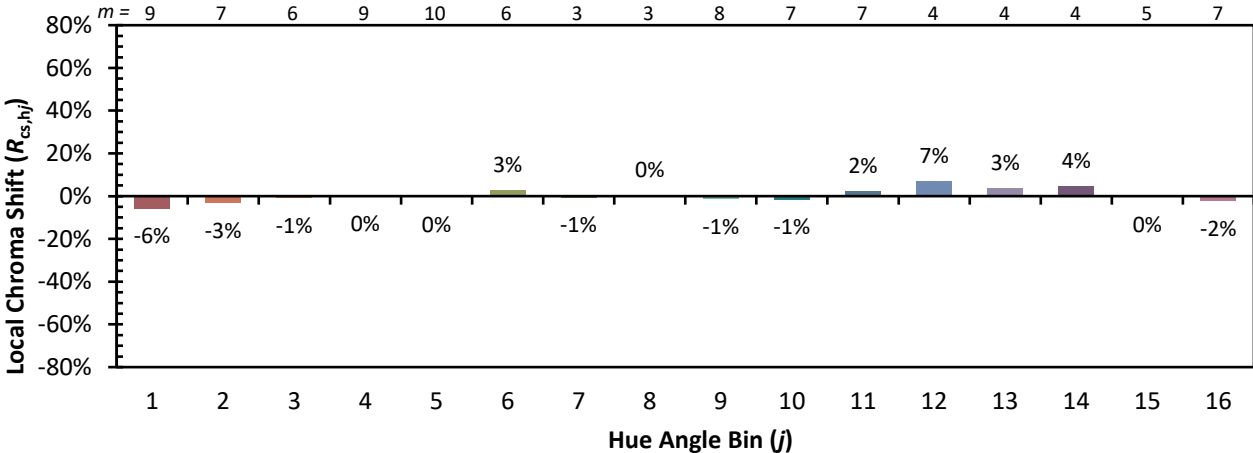


Individual Sample Fidelity Index ($R_{f,i}$)

CES01 = 86	CES26 = 93	CES51 = 98	CES76 = 88
CES02 = 63	CES27 = 93	CES52 = 98	CES77 = 87
CES03 = 31	CES28 = 96	CES53 = 97	CES78 = 85
CES04 = 70	CES29 = 95	CES54 = 95	CES79 = 91
CES05 = 50	CES30 = 96	CES55 = 94	CES80 = 92
CES06 = 51	CES31 = 95	CES56 = 96	CES81 = 75
CES07 = 43	CES32 = 87	CES57 = 95	CES82 = 96
CES08 = 42	CES33 = 97	CES58 = 96	CES83 = 94
CES09 = 29	CES34 = 94	CES59 = 98	CES84 = 95
CES10 = 75	CES35 = 96	CES60 = 94	CES85 = 80
CES11 = 58	CES36 = 84	CES61 = 93	CES86 = 79
CES12 = 64	CES37 = 95	CES62 = 89	CES87 = 91
CES13 = 44	CES38 = 91	CES63 = 94	CES88 = 97
CES14 = 74	CES39 = 99	CES64 = 92	CES89 = 83
CES15 = 72	CES40 = 97	CES65 = 90	CES90 = 98
CES16 = 48	CES41 = 97	CES66 = 90	CES91 = 77
CES17 = 49	CES42 = 93	CES67 = 89	CES92 = 77
CES18 = 56	CES43 = 92	CES68 = 89	CES93 = 86
CES19 = 71	CES44 = 99	CES69 = 91	CES94 = 74
CES20 = 67	CES45 = 96	CES70 = 88	CES95 = 84
CES21 = 86	CES46 = 96	CES71 = 84	CES96 = 92
CES22 = 78	CES47 = 91	CES72 = 94	CES97 = 95
CES23 = 91	CES48 = 94	CES73 = 83	CES98 = 94
CES24 = 90	CES49 = 94	CES74 = 91	CES99 = 92
CES25 = 71	CES50 = 98	CES75 = 86	



Color Rendition by Hue-Angle Bin



Measure Comparisons



(END OF REPORT)