

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: P976948

Luminaire Tested: 24SR-LD2-C-48-UNV-L840-CD1-SO-U

Issue Date: 03/18/2025

Test Information

Test Method: LM-79-2019
Report Number: P976948
Test Lab: INNOVATION CENTER(P3)
Issue Date: 03/18/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: METALUX
Catalog Number: 24SR-LD2-C-48-UNV-L840-CD1-SO-U
Description: METALUX SKYRIDGE 2x4 4800LM PACKAGE 80CRI 4000K TROFFER with Storaro Orange SKYTR
Light Source: 4000K CCT, 80+ CRI LEDS
Ballast/Driver: -

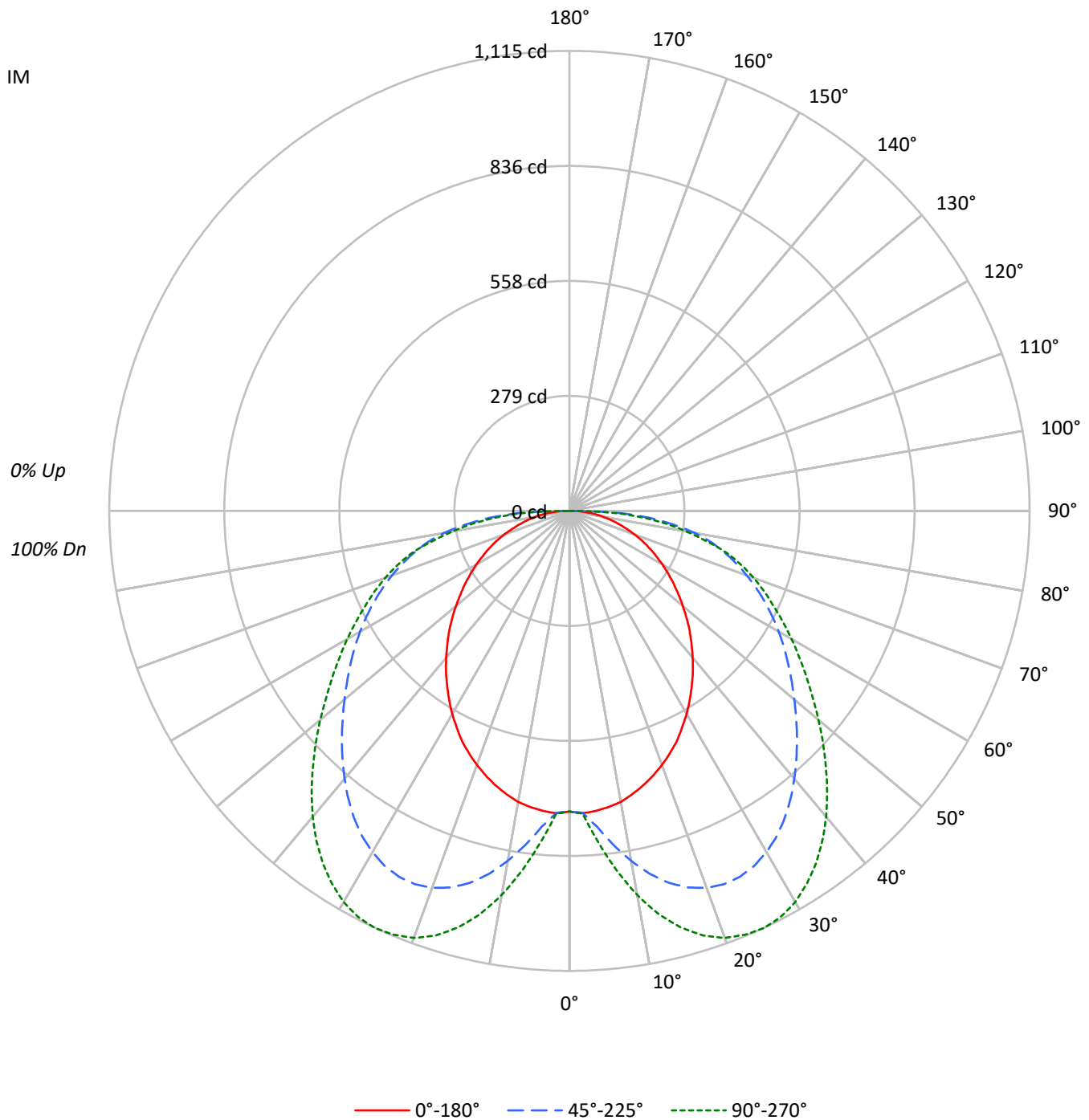
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3368.0 lumens
Efficiency: N/A
Efficacy: 96.8 lumens/watt
Spacing Criteria (0/90/45): 1.17 / 1.85 / 1.72
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 34.8
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

TEST NUMBER: P976948
CATALOG NUMBER: 24SR-LD2-C-48-UNV-L840-CD1-SO-U

Luminous Intensity Polar Plot





TEST NUMBER: P976948

CATALOG NUMBER: 24SR-LD2-C-48-UNV-L840-CD1-SO-U

COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				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	100	100	100	100
1	107	101	96	91	104	99	94	90	94	90	87	90	87	84	87	84	82	79	79	79	79
2	96	87	79	72	93	85	77	71	81	75	70	78	73	68	74	70	66	64	64	64	64
3	87	75	66	59	84	74	65	58	70	63	57	68	61	56	65	60	55	53	53	53	53
4	79	66	56	49	77	65	56	49	62	54	48	60	53	47	57	52	47	44	44	44	44
5	72	59	49	42	70	57	48	42	55	47	41	53	46	41	51	45	40	38	38	38	38
6	67	53	43	36	65	52	43	36	50	42	36	48	41	35	46	40	35	33	33	33	33
7	62	47	38	32	60	47	38	32	45	37	31	43	36	31	42	36	31	29	29	29	29
8	57	43	34	28	56	42	34	28	41	33	28	40	33	28	39	32	27	25	25	25	25
9	53	39	31	25	52	39	31	25	38	30	25	37	30	25	35	29	24	23	23	23	23
10	50	36	28	23	49	36	28	22	35	27	22	34	27	22	33	27	22	20	20	20	20

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	980	980	980
5°	986	1038	1090
10°	978	1177	1292
15°	960	1300	1456
20°	938	1392	1577
25°	914	1452	1656
30°	883	1483	1700
35°	849	1493	1711
40°	816	1489	1699
45°	784	1484	1673
50°	751	1489	1650
55°	723	1518	1644
60°	702	1576	1673
65°	682	1664	1738
70°	664	1800	1869
75°	647	2021	2058
80°	649	2390	2237
85°	718	3001	2714

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°
 Vertical Angle: 87.5°
 Luminance: 3806 cd/sqm



TEST NUMBER: P976948
 CATALOG NUMBER: 24SR-LD2-C-48-UNV-L840-CD1-SO-U

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	75.6	2.2
10°-20°	254.6	7.6
20°-30°	426.4	12.7
30°-40°	533.9	15.9
40°-50°	560.1	16.6
50°-60°	529.3	15.7
60°-70°	463.3	13.8
70°-80°	357.8	10.6
80°-90°	167.0	5.0
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°	756.6	22.5
0°-40°	1290.6	38.3
0°-60°	2379.9	70.7
0°-90°	3368.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3368.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	729	729	729	729	729	
5°	730	729	768	797	807	69
15°	689	786	934	1018	1046	194
25°	616	790	978	1077	1115	283
35°	517	722	909	1007	1042	323
45°	412	612	780	856	879	318
55°	308	509	647	689	701	276
65°	214	417	523	537	546	212
75°	124	312	389	392	396	132
85°	46	164	194	180	176	49
90°	0	0	0	0	0	



TEST NUMBER: P976948

CATALOG NUMBER: 24SR-LD2-C-48-UNV-L840-CD1-SO-U

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	728.7	728.7	728.7	728.7	728.7	728.7	728.7	728.7	728.7	728.7	728.7
2.5°	733.4	732.3	731.1	728.7	727.6	727.6	727.6	727.6	728.7	732.3	734.5
5°	730.0	730.0	727.6	726.4	727.6	731.1	736.9	746.3	755.5	768.4	778.9
7.5°	724.2	722.9	721.8	722.9	733.4	748.6	763.7	781.2	797.5	816.2	831.2
10°	716.1	714.8	716.1	725.3	746.3	770.7	792.8	814.9	837.0	861.4	882.4
12.5°	703.2	703.2	707.7	728.7	757.9	788.1	817.2	845.1	873.2	901.1	925.5
15°	689.3	690.4	702.0	732.3	768.4	803.3	837.0	869.7	902.3	933.6	960.4
17.5°	673.0	675.2	695.1	732.3	773.1	813.8	852.2	888.2	923.1	957.0	984.9
20°	655.4	657.8	686.9	730.0	775.4	819.6	860.3	900.0	937.2	972.2	1001.2
22.5°	635.7	639.1	676.4	722.9	773.1	820.7	862.7	903.4	941.8	979.1	1008.2
25°	615.8	620.5	663.6	713.7	766.0	814.9	859.2	900.0	940.7	978.0	1007.0
27.5°	591.4	599.5	648.4	699.6	755.5	804.4	848.7	891.8	932.5	969.8	998.8
30°	568.2	578.7	629.9	683.3	740.5	789.4	833.5	876.6	917.3	954.6	983.8
32.5°	542.5	555.3	608.9	664.8	720.6	768.4	813.8	856.9	897.6	934.9	962.8
35°	516.9	532.0	586.8	643.8	698.5	746.3	790.5	833.5	873.2	909.2	936.0
37.5°	491.3	507.5	562.4	620.5	673.0	719.5	763.7	805.7	846.4	880.1	906.9
40°	464.5	483.1	537.8	593.7	646.2	691.5	735.8	776.5	814.9	847.5	873.2
42.5°	437.7	458.7	513.3	568.2	618.1	662.5	706.7	746.3	782.3	813.8	838.2
45°	412.1	433.1	486.6	541.4	590.3	634.4	677.5	716.1	750.8	780.0	803.3
47.5°	385.4	408.7	462.1	515.7	562.4	606.6	648.4	684.6	718.2	745.0	767.3
50°	358.6	384.1	436.6	488.9	536.7	579.8	620.5	655.4	686.9	711.4	732.3
52.5°	332.9	359.7	413.2	464.5	511.2	554.2	593.7	627.5	656.7	678.8	697.4
55°	308.4	336.5	390.1	440.0	487.8	529.6	566.9	599.5	626.3	647.3	663.6
57.5°	284.0	314.4	367.8	419.0	464.5	506.5	542.5	572.7	597.2	617.0	631.0
60°	260.8	292.2	347.0	397.0	442.4	483.1	518.0	545.9	569.3	585.6	596.1
62.5°	236.4	270.1	324.7	376.0	421.4	459.9	493.6	520.4	540.1	554.2	563.5
65°	214.1	248.0	303.9	355.1	398.2	435.3	466.8	492.5	511.2	522.7	528.5
67.5°	192.1	227.0	282.9	332.9	374.9	410.9	440.0	464.5	480.8	490.2	494.7
70°	168.9	206.0	260.8	309.7	350.4	384.1	413.2	434.2	449.4	457.6	459.9
72.5°	145.5	183.9	238.7	286.4	324.7	357.5	384.1	404.0	417.9	423.7	425.0
75°	124.5	160.7	214.1	259.6	296.9	327.1	353.9	372.5	383.0	388.8	390.1
77.5°	103.5	138.5	189.7	232.8	265.4	294.5	320.2	337.6	348.1	352.8	352.8
80°	83.8	116.4	162.9	201.5	232.8	259.6	282.9	300.3	309.7	308.4	303.9
82.5°	65.2	95.4	135.0	168.9	196.8	221.2	244.5	255.0	258.5	255.0	251.4
85°	46.5	71.0	102.4	130.3	154.8	173.4	188.6	196.8	197.9	194.4	191.0
87.5°	26.8	39.6	58.3	79.1	92.0	103.5	116.4	121.1	121.1	123.4	116.4
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

TEST NUMBER: P976948

CATALOG NUMBER: 24SR-LD2-C-48-UNV-L840-CD1-SO-U

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°
0°	728.7	728.7	728.7	728.7	728.7	728.7	728.7	728.7
2.5°	733.4	734.5	734.5	736.9	738.1	738.1	736.9	734.5
5°	782.3	789.4	793.9	801.0	804.4	808.0	809.1	806.8
7.5°	839.3	849.8	859.2	869.7	874.3	877.9	882.4	879.0
10°	894.2	908.1	919.7	931.3	938.3	943.0	946.5	945.4
12.5°	940.7	957.0	969.8	981.4	990.7	997.7	1001.2	1001.2
15°	976.7	995.4	1011.7	1024.5	1033.7	1040.8	1045.5	1045.5
17.5°	1004.8	1023.2	1040.8	1053.6	1062.9	1072.3	1076.8	1079.2
20°	1021.1	1040.8	1058.2	1072.3	1082.8	1093.1	1097.8	1101.3
22.5°	1029.2	1048.9	1067.6	1082.8	1094.4	1103.6	1109.4	1111.8
25°	1029.2	1050.0	1069.9	1085.0	1096.7	1107.2	1113.0	1115.4
27.5°	1022.1	1044.2	1064.1	1078.1	1090.9	1101.3	1107.2	1109.4
30°	1008.2	1030.3	1050.0	1064.1	1076.8	1086.2	1092.0	1094.4
32.5°	986.1	1009.3	1027.9	1041.9	1054.7	1064.1	1069.9	1071.0
35°	960.4	982.5	1000.1	1014.0	1026.8	1035.0	1039.7	1041.9
37.5°	929.1	949.9	967.5	980.3	991.9	1001.2	1005.9	1007.0
40°	895.3	915.0	930.2	941.8	953.5	961.7	966.2	967.5
42.5°	859.2	877.9	891.8	902.3	912.6	919.7	923.1	924.4
45°	821.9	838.2	851.1	860.3	869.7	875.5	879.0	879.0
47.5°	784.7	799.9	810.2	817.2	825.4	831.2	834.8	833.5
50°	747.4	760.2	768.4	775.4	782.3	785.8	789.4	788.1
52.5°	710.1	721.8	726.4	732.3	738.1	741.6	745.0	742.7
55°	674.1	682.2	686.9	691.5	696.2	699.6	702.0	700.9
57.5°	639.1	644.9	648.4	653.1	656.7	658.9	661.2	660.1
60°	601.9	606.6	608.9	613.6	617.0	619.4	621.7	621.7
62.5°	566.9	570.5	571.6	576.3	578.7	580.9	584.5	583.2
65°	529.6	533.2	535.6	539.0	541.4	543.7	547.2	545.9
67.5°	494.7	498.3	499.4	503.0	506.5	509.9	511.2	511.2
70°	459.9	462.1	463.4	468.1	469.2	472.6	475.0	475.0
72.5°	425.0	426.1	428.4	431.9	434.2	436.6	438.9	437.7
75°	387.7	390.1	391.2	393.5	393.5	395.9	395.9	395.9
77.5°	349.3	345.7	344.6	343.4	342.3	342.3	342.3	341.0
80°	296.9	293.4	292.2	290.0	290.0	290.0	290.0	288.7
82.5°	245.6	240.9	238.7	237.5	236.4	236.4	236.4	235.1
85°	186.3	181.6	180.5	179.2	179.2	178.1	177.0	175.8
87.5°	115.3	111.7	110.6	108.2	109.5	107.1	107.1	107.1
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



TEST NUMBER: P976948

CATALOG NUMBER: 24SR-LD2-C-48-UNV-L840-CD1-SO-U

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	11.7	13.5	12.1	13.8	14.1	14.3	16.1	14.7	16.4	16.7
	3H	13.6	15.2	14.0	15.5	15.9	16.8	18.4	17.2	18.7	19.0
	4H	14.3	15.8	14.7	16.2	16.6	17.9	19.4	18.3	19.8	20.2
	6H	14.9	16.3	15.3	16.7	17.0	19.0	20.4	19.4	20.7	21.1
	8H	15.1	16.4	15.5	16.8	17.2	19.4	20.8	19.8	21.1	21.5
	12H	15.2	16.5	15.7	16.9	17.4	19.8	21.1	20.2	21.5	21.9
4H	2H	13.3	14.8	13.7	15.1	15.5	15.1	16.6	15.5	16.9	17.3
	3H	15.7	16.9	16.1	17.3	17.7	17.8	19.1	18.2	19.5	19.9
	4H	16.7	17.9	17.1	18.3	18.7	19.1	20.3	19.5	20.7	21.1
	6H	17.5	18.6	18.0	19.0	19.5	20.3	21.4	20.8	21.8	22.3
	8H	17.8	18.8	18.3	19.3	19.7	20.9	21.8	21.3	22.3	22.7
	12H	18.1	19.0	18.6	19.4	19.9	21.3	22.2	21.8	22.7	23.2
8H	4H	17.8	18.7	18.2	19.2	19.6	19.6	20.6	20.1	21.1	21.5
	6H	19.0	19.9	19.5	20.3	20.8	21.1	21.9	21.5	22.4	22.8
	8H	19.6	20.3	20.1	20.8	21.3	21.7	22.5	22.2	23.0	23.5
	12H	20.0	20.7	20.5	21.2	21.7	22.4	23.0	22.9	23.5	24.1
12H	4H	18.0	18.9	18.4	19.3	19.8	19.7	20.6	20.2	21.1	21.6
	6H	19.4	20.1	19.9	20.6	21.1	21.3	22.0	21.8	22.5	23.0
	8H	20.1	20.8	20.6	21.3	21.8	22.0	22.7	22.5	23.2	23.7

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

Report Prepared for

Cooper Lighting Solutions

Metalux

Report Number: SP1-2506-457-7

Test Date: 07/02/2025

Luminaire Tested: 24SR-LD2-64-C-UNV-L940-CD1-U

Data in this report applies to families of products including 24SR-LD2-64-C-UNV-L940-CD1-U

Test Information

Test Method: LM-79-2019
 Report Number: SP1-2506-457-7
 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-L940-CD1-U**
 Description: 2X4 SKYRIDGE 6400LM Fixture with new LTN chip

Spectral Parameters

CCT (K): 3850
 CIE u': 0.2283
 CIE v': 0.5037
 Duv: -0.0006
 CIE x: 0.3868
 CIE y: 0.3794
 CIE z: 0.2338
 Peak Wavelength (nm): 630
 Dominant Wavelength (nm): 579
 Purity: 29.94798
 R_f: 91.3
 R_g: 99.8

CRI (Ra): 94.0
 R1: 95.3
 R2: 96.3
 R3: 95.7
 R4: 95.2
 R5: 94.4
 R6: 94.3
 R7: 94.1
 R8: 86.7
 R9: 65.3
 R10: 89.6
 R11: 95.5
 R12: 76.1
 R13: 95.5
 R14: 96.8
 R15: 92.3



Test Conditions

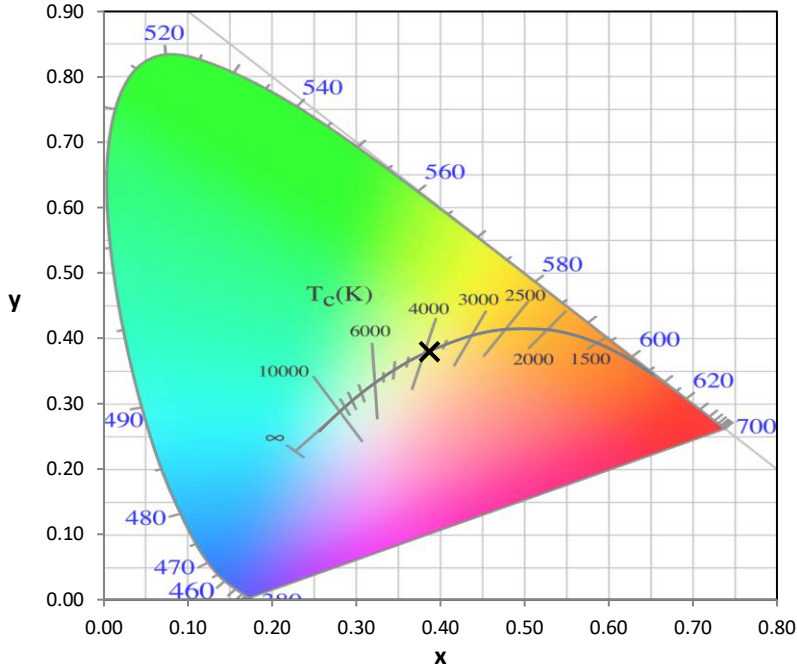
Stabilization Time: 38M
 Operation Time: 1H 38M
 Sphere Temperature (°C): 24.4

REPORT NUMBER: SP1-2506-457-7

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: SP1-2506-457-7

CIE 1931 Chromaticity Diagram



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



Point lies inside the ANSI 4000K 4-step quadrangle

REPORT NUMBER: SP1-2506-457-7

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	173	NR	620	343	NR	750	8	NR	880	0	NR
365	0	NR	495	201	NR	625	342	NR	755	7	NR	885	0	NR
370	0	NR	500	231	NR	630	1000	NR	760	6	NR	890	0	NR
375	0	NR	505	253	NR	635	692	NR	765	5	NR	895	0	NR
380	0	NR	510	268	NR	640	226	NR	770	4	NR	900	0	NR
385	1	NR	515	277	NR	645	214	NR	775	4	NR	905	0	NR
390	1	NR	520	284	NR	650	190	NR	780	3	NR	910	0	NR
395	3	NR	525	290	NR	655	160	NR	785	3	NR	915	0	NR
400	4	NR	530	296	NR	660	136	NR	790	2	NR	920	0	NR
405	5	NR	535	303	NR	665	115	NR	795	2	NR	925	0	NR
410	8	NR	540	310	NR	670	106	NR	800	2	NR	930	0	NR
415	13	NR	545	316	NR	675	87	NR	805	2	NR	935	0	NR
420	22	NR	550	323	NR	680	75	NR	810	1	NR	940	0	NR
425	37	NR	555	330	NR	685	64	NR	815	1	NR	945	0	NR
430	62	NR	560	335	NR	690	55	NR	820	1	NR	950	0	NR
435	102	NR	565	340	NR	695	47	NR	825	1	NR	955	0	NR
440	164	NR	570	342	NR	700	40	NR	830	1	NR	960	0	NR
445	281	NR	575	345	NR	705	34	NR	835	1	NR	965	0	NR
450	423	NR	580	348	NR	710	29	NR	840	1	NR	970	0	NR
455	384	NR	585	350	NR	715	25	NR	845	1	NR	975	0	NR
460	256	NR	590	351	NR	720	21	NR	850	0	NR	980	0	NR
465	208	NR	595	348	NR	725	17	NR	855	0	NR	985	0	NR
470	169	NR	600	348	NR	730	14	NR	860	0	NR	990	0	NR
475	135	NR	605	347	NR	735	12	NR	865	0	NR	995	0	NR
480	133	NR	610	379	NR	740	11	NR	870	0	NR	1000	0	NR
485	149	NR	615	406	NR	745	9	NR	875	0	NR			

REPORT NUMBER: SP1-2506-457-7

Scotopic Flux vs. Wavelength



Scotopic Lumens: NR

S/P: 1.74

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	173	NR	620	343	NR	750	8	NR	880	0	NR
365	0	NR	495	201	NR	625	342	NR	755	7	NR	885	0	NR
370	0	NR	500	231	NR	630	1000	NR	760	6	NR	890	0	NR
375	0	NR	505	253	NR	635	692	NR	765	5	NR	895	0	NR
380	0	NR	510	268	NR	640	226	NR	770	4	NR	900	0	NR
385	1	NR	515	277	NR	645	214	NR	775	4	NR	905	0	NR
390	1	NR	520	284	NR	650	190	NR	780	3	NR	910	0	NR
395	3	NR	525	290	NR	655	160	NR	785	3	NR	915	0	NR
400	4	NR	530	296	NR	660	136	NR	790	2	NR	920	0	NR
405	5	NR	535	303	NR	665	115	NR	795	2	NR	925	0	NR
410	8	NR	540	310	NR	670	106	NR	800	2	NR	930	0	NR
415	13	NR	545	316	NR	675	87	NR	805	2	NR	935	0	NR
420	22	NR	550	323	NR	680	75	NR	810	1	NR	940	0	NR
425	37	NR	555	330	NR	685	64	NR	815	1	NR	945	0	NR
430	62	NR	560	335	NR	690	55	NR	820	1	NR	950	0	NR
435	102	NR	565	340	NR	695	47	NR	825	1	NR	955	0	NR
440	164	NR	570	342	NR	700	40	NR	830	1	NR	960	0	NR
445	281	NR	575	345	NR	705	34	NR	835	1	NR	965	0	NR
450	423	NR	580	348	NR	710	29	NR	840	1	NR	970	0	NR
455	384	NR	585	350	NR	715	25	NR	845	1	NR	975	0	NR
460	256	NR	590	351	NR	720	21	NR	850	0	NR	980	0	NR
465	208	NR	595	348	NR	725	17	NR	855	0	NR	985	0	NR
470	169	NR	600	348	NR	730	14	NR	860	0	NR	990	0	NR
475	135	NR	605	347	NR	735	12	NR	865	0	NR	995	0	NR
480	133	NR	610	379	NR	740	11	NR	870	0	NR	1000	0	NR
485	149	NR	615	406	NR	745	9	NR	875	0	NR			

REPORT NUMBER: SP1-2506-457-7

Melanopic Flux vs. Wavelength



Melanopic Lumens: NR

M/P: 3.6

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	173	NR	620	343	NR	750	8	NR	880	0	NR
365	0	NR	495	201	NR	625	342	NR	755	7	NR	885	0	NR
370	0	NR	500	231	NR	630	1000	NR	760	6	NR	890	0	NR
375	0	NR	505	253	NR	635	692	NR	765	5	NR	895	0	NR
380	0	NR	510	268	NR	640	226	NR	770	4	NR	900	0	NR
385	1	NR	515	277	NR	645	214	NR	775	4	NR	905	0	NR
390	1	NR	520	284	NR	650	190	NR	780	3	NR	910	0	NR
395	3	NR	525	290	NR	655	160	NR	785	3	NR	915	0	NR
400	4	NR	530	296	NR	660	136	NR	790	2	NR	920	0	NR
405	5	NR	535	303	NR	665	115	NR	795	2	NR	925	0	NR
410	8	NR	540	310	NR	670	106	NR	800	2	NR	930	0	NR
415	13	NR	545	316	NR	675	87	NR	805	2	NR	935	0	NR
420	22	NR	550	323	NR	680	75	NR	810	1	NR	940	0	NR
425	37	NR	555	330	NR	685	64	NR	815	1	NR	945	0	NR
430	62	NR	560	335	NR	690	55	NR	820	1	NR	950	0	NR
435	102	NR	565	340	NR	695	47	NR	825	1	NR	955	0	NR
440	164	NR	570	342	NR	700	40	NR	830	1	NR	960	0	NR
445	281	NR	575	345	NR	705	34	NR	835	1	NR	965	0	NR
450	423	NR	580	348	NR	710	29	NR	840	1	NR	970	0	NR
455	384	NR	585	350	NR	715	25	NR	845	1	NR	975	0	NR
460	256	NR	590	351	NR	720	21	NR	850	0	NR	980	0	NR
465	208	NR	595	348	NR	725	17	NR	855	0	NR	985	0	NR
470	169	NR	600	348	NR	730	14	NR	860	0	NR	990	0	NR
475	135	NR	605	347	NR	735	12	NR	865	0	NR	995	0	NR
480	133	NR	610	379	NR	740	11	NR	870	0	NR	1000	0	NR
485	149	NR	615	406	NR	745	9	NR	875	0	NR			

Summary

$R_f = 91.3$
 $R_g = 99.8$
 $CIE R_a = 94.0$
 $R_9 = 65.3$



Color Vector Graphics

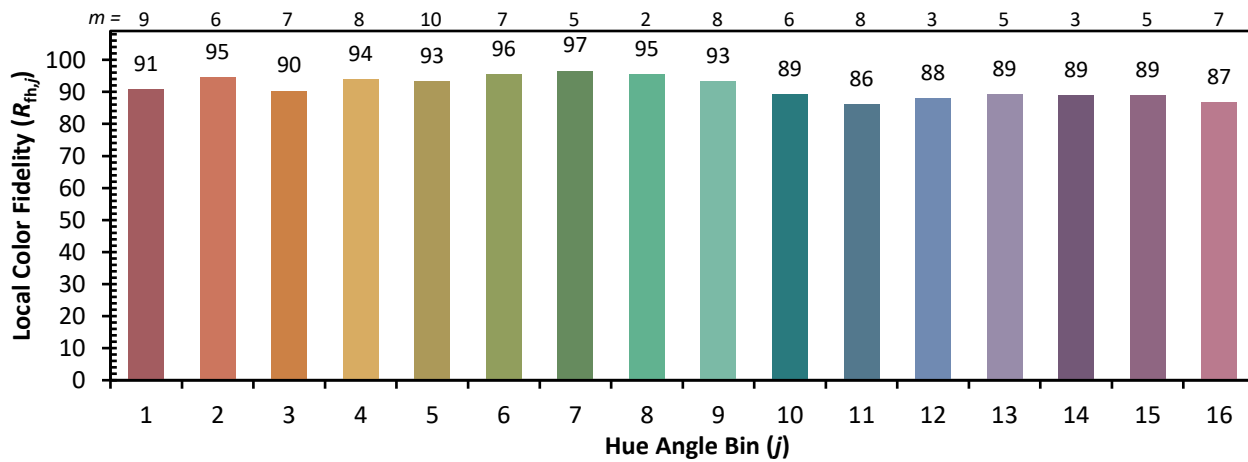


Individual Sample Fidelity Index ($R_{f,i}$)

CES01 = 86	CES26 = 93	CES51 = 98	CES76 = 87
CES02 = 62	CES27 = 91	CES52 = 99	CES77 = 88
CES03 = 31	CES28 = 96	CES53 = 97	CES78 = 83
CES04 = 69	CES29 = 96	CES54 = 94	CES79 = 93
CES05 = 49	CES30 = 93	CES55 = 92	CES80 = 92
CES06 = 50	CES31 = 96	CES56 = 95	CES81 = 79
CES07 = 42	CES32 = 88	CES57 = 94	CES82 = 96
CES08 = 41	CES33 = 99	CES58 = 95	CES83 = 95
CES09 = 29	CES34 = 93	CES59 = 97	CES84 = 94
CES10 = 74	CES35 = 96	CES60 = 93	CES85 = 81
CES11 = 57	CES36 = 81	CES61 = 92	CES86 = 83
CES12 = 63	CES37 = 94	CES62 = 87	CES87 = 92
CES13 = 43	CES38 = 88	CES63 = 93	CES88 = 98
CES14 = 74	CES39 = 99	CES64 = 91	CES89 = 85
CES15 = 71	CES40 = 97	CES65 = 89	CES90 = 97
CES16 = 47	CES41 = 97	CES66 = 88	CES91 = 73
CES17 = 49	CES42 = 93	CES67 = 87	CES92 = 77
CES18 = 56	CES43 = 93	CES68 = 88	CES93 = 86
CES19 = 71	CES44 = 99	CES69 = 89	CES94 = 76
CES20 = 66	CES45 = 96	CES70 = 86	CES95 = 83
CES21 = 85	CES46 = 97	CES71 = 81	CES96 = 92
CES22 = 78	CES47 = 93	CES72 = 94	CES97 = 95
CES23 = 91	CES48 = 92	CES73 = 80	CES98 = 95
CES24 = 90	CES49 = 96	CES74 = 91	CES99 = 93
CES25 = 71	CES50 = 98	CES75 = 83	



Color Rendition by Hue-Angle Bin



Measure Comparisons



(END OF REPORT)