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: P1594563

Luminaire Tested: FLXB-1224-N-HI-3000K

Issue Date: 10/2/2026

Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

Scaled Data Report

Test Information

Test Method:	LM-79-2019
Report Number:	P1594563
	TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (A2601782A001)
Test Lab:	INNOVATION CENTER
Issue Date:	10/2/2026
Manufacturer:	COOPER LIGHTING SOLUTIONS
Product Line:	METALUX
Catalog Number:	FLXB-1224-N-HI-3000K
Description:	1224 FlexBay Linear High bay at N beam, HI lumen, 3000K CCT settings
Light Source:	-
Ballast/Driver:	-

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	23433.0 lumens
Efficiency:	N/A
Efficacy:	157.0 lumens/watt
Spacing Criteria (0/90/45):	1.53 / 1 / 1.06
Luminous Opening:	Rectangular (W 1.04' x L: 1.19' x H: 0')
CIE Type:	Direct

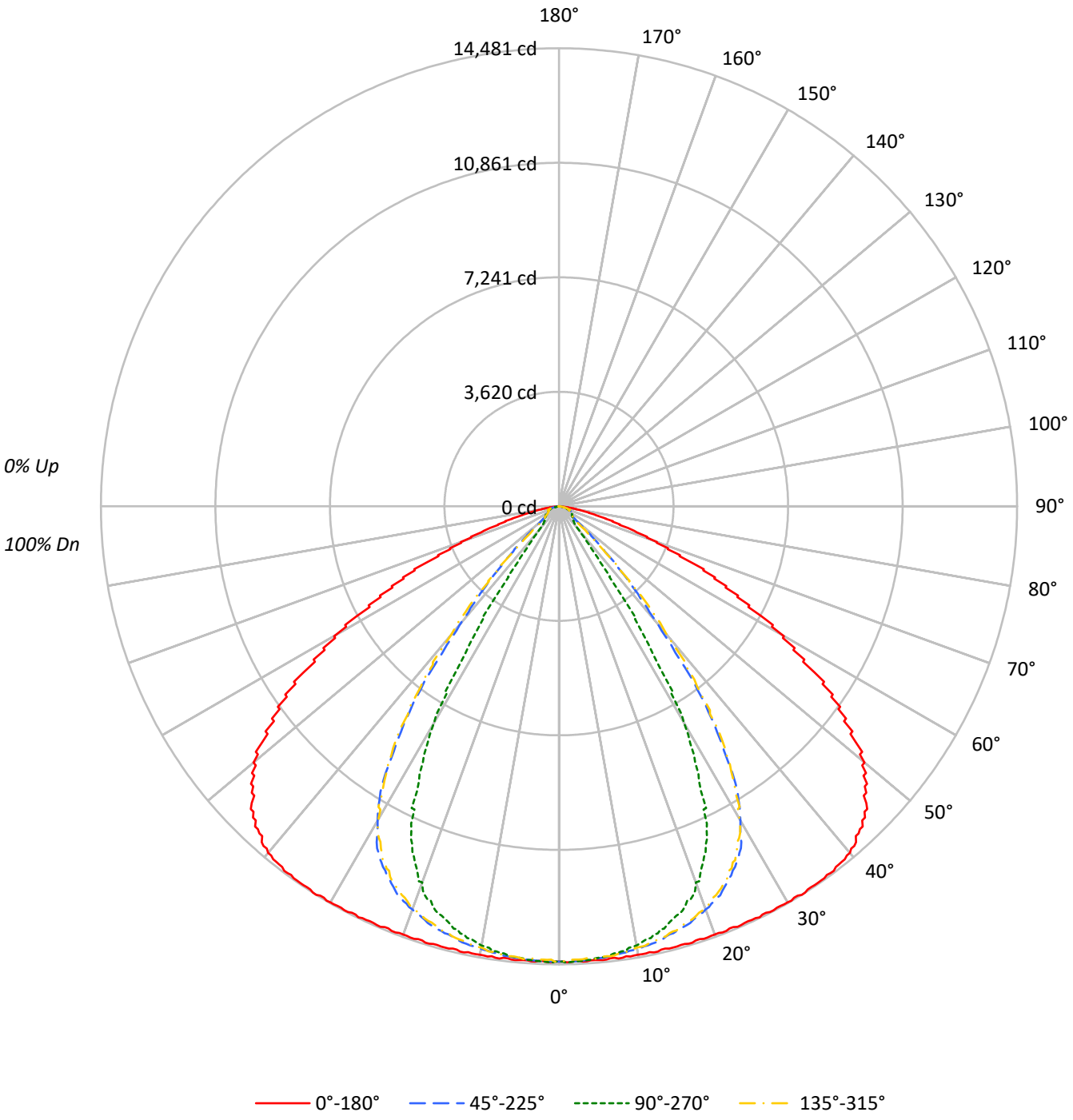
Input Watts (W):	149.3
Input Voltage (V):	NR
Input Current (Ain):	NR
Voltage Rise (V):	NR
Power Factor:	NR
Total Harmonic Distortion (THDi):	NR
Frequency (hertz):	60
Stabilization Time:	NR
Operation Time:	NR
Ambient Temperature (°C):	NR
Test Distance:	28.75 FT

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Luminous Intensity Polar Plot



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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	0
RCR																		
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100
1	112	108	105	102	109	106	103	100	102	99	97	98	96	94	94	93	91	90
2	104	98	92	88	102	96	91	87	93	89	85	89	86	83	87	84	81	80
3	97	89	82	77	95	87	81	76	84	79	75	82	78	74	79	76	73	71
4	90	81	74	68	88	80	73	68	77	72	67	75	70	66	73	69	65	64
5	84	74	67	61	83	73	66	61	71	65	60	69	64	60	67	63	59	57
6	79	68	61	55	77	67	60	55	65	59	55	64	58	54	62	58	54	52
7	74	63	55	50	73	62	55	50	61	54	50	59	54	49	58	53	49	47
8	70	58	51	46	68	58	51	46	56	50	46	55	49	45	54	49	45	43
9	66	54	47	42	64	54	47	42	52	46	42	51	46	42	51	45	42	40
10	62	50	44	39	61	50	43	39	49	43	39	48	43	39	47	42	38	37

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	125232	125232	125232	125232
5°	125766	125170	125766	125170
10°	127215	124594	127215	124594
15°	129796	122438	129796	122438
20°	133390	117164	133390	117164
25°	138515	106284	138515	106284
30°	145234	79265	145234	79265
35°	153447	36788	153447	36788
40°	162448	11488	162448	11488
45°	168088	7962	168088	7962
50°	170663	7824	170663	7824
55°	159338	7713	159338	7713
60°	142889	8159	142889	8159
65°	111546	7904	111546	7904
70°	83977	8106	83977	8106
75°	51486	6280	51486	6280
80°	33889	4525	33889	4525
85°	16274	2077	16274	2077

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
Vertical Angle: 50°
Luminance: 170663 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1365.3	5.8
10°-20°	3941.2	16.8
20°-30°	5835.3	24.9
30°-40°	5450.1	23.3
40°-50°	3084.7	13.2
50°-60°	1936.8	8.3
60°-70°	1221.6	5.2
70°-80°	513.6	2.2
80°-90°	84.5	0.4
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°	11141.8	47.5
0°-40°	16591.8	70.8
0°-60°	21613.3	92.2
0°-90°	23433.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	23433.0	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	14392	14392	14392	14392	14392	
5°	14398	14330	14398	14330	14398	1375
15°	14408	13592	14408	13592	14408	4083
25°	14427	11070	14427	11070	14427	6680
35°	14445	3463	14445	3463	14445	9056
45°	13659	647	13659	647	13659	10496
55°	10503	508	10503	508	10503	9355
65°	5418	384	5418	384	5418	5461
75°	1531	187	1531	187	1531	1775
85°	163	21	163	21	163	253
90°	19	2	19	2	19	

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CANDELA DISTRIBUTION (FULL):

	0°	30°	60°	90°	120°	150°	180°	210°	240°	270°	300°
0°	14392.0	14392.0	14392.0	14392.0	14392.0	14392.0	14392.0	14392.0	14392.0	14392.0	14392.0
0.5°	14392.0	14392.0	14392.0	14392.0	14392.0	14392.0	14392.0	14392.0	14392.0	14392.0	14392.0
1°	14419.2	14406.3	14388.6	14439.9	14275.1	14388.0	14419.2	14406.3	14388.6	14439.9	14275.1
1.5°	14419.2	14413.1	14392.9	14404.5	14275.1	14411.8	14419.2	14413.1	14392.9	14404.5	14275.1
2°	14385.6	14422.8	14360.6	14404.5	14275.1	14406.3	14385.6	14422.8	14360.6	14404.5	14275.1
2.5°	14385.6	14422.8	14346.5	14390.5	14275.1	14406.3	14385.6	14422.8	14346.5	14390.5	14275.1
3°	14416.7	14408.8	14353.3	14390.5	14275.1	14407.0	14416.7	14408.8	14353.3	14390.5	14275.1
3.5°	14416.7	14402.1	14341.0	14373.4	14229.3	14407.0	14416.7	14402.1	14341.0	14373.4	14229.3
4°	14389.9	14422.8	14325.8	14373.4	14308.7	14388.6	14389.9	14422.8	14325.8	14373.4	14308.7
4.5°	14389.9	14414.9	14275.7	14341.0	14317.8	14405.7	14389.9	14414.9	14275.7	14341.0	14317.8
5°	14398.4	14394.8	14298.3	14330.1	14274.5	14382.5	14398.4	14394.8	14298.3	14330.1	14274.5
5.5°	14411.2	14369.7	14309.3	14320.9	14274.5	14345.3	14411.2	14369.7	14309.3	14320.9	14274.5
6°	14411.2	14375.8	14285.5	14310.5	14239.7	14372.8	14411.2	14375.8	14285.5	14310.5	14239.7
6.5°	14383.2	14381.9	14243.4	14281.8	14246.4	14390.5	14383.2	14381.9	14243.4	14281.8	14246.4
7°	14383.2	14383.8	14248.2	14240.9	14234.8	14375.8	14383.2	14383.8	14248.2	14240.9	14234.8
7.5°	14416.7	14343.5	14227.5	14240.9	14207.4	14345.9	14416.7	14343.5	14227.5	14240.9	14207.4
8°	14416.7	14343.5	14193.9	14210.4	14138.4	14345.9	14416.7	14343.5	14193.9	14210.4	14138.4
8.5°	14385.6	14358.7	14163.4	14210.4	14153.0	14332.5	14385.6	14358.7	14163.4	14210.4	14153.0
9°	14409.4	14359.3	14101.2	14132.3	14150.6	14346.5	14409.4	14359.3	14101.2	14132.3	14150.6
9.5°	14397.8	14327.6	14118.3	14115.2	14060.9	14316.6	14397.8	14327.6	14118.3	14115.2	14060.9
10°	14397.8	14295.3	14115.2	14101.2	14060.9	14272.7	14397.8	14295.3	14115.2	14101.2	14060.9
10.5°	14404.5	14315.4	14075.5	14052.3	14027.3	14298.3	14404.5	14315.4	14075.5	14052.3	14027.3
11°	14403.9	14328.8	14004.7	14005.3	14027.3	14298.3	14403.9	14328.8	14004.7	14005.3	14027.3
11.5°	14381.9	14317.2	14009.0	13955.3	13962.0	14280.6	14381.9	14317.2	14009.0	13955.3	13962.0
12°	14417.3	14285.5	13982.1	13955.3	13935.1	14256.8	14417.3	14285.5	13982.1	13955.3	13935.1
12.5°	14417.3	14272.7	13966.3	13861.9	13865.0	14256.8	14417.3	14272.7	13966.3	13861.9	13865.0
13°	14380.1	14267.8	13903.4	13861.9	13865.0	14232.4	14380.1	14267.8	13903.4	13861.9	13865.0
13.5°	14380.1	14267.8	13872.3	13757.5	13827.7	14232.4	14380.1	14267.8	13872.3	13757.5	13827.7
14°	14411.2	14234.8	13792.9	13757.5	13786.8	14215.3	14411.2	14234.8	13792.9	13757.5	13786.8
14.5°	14411.2	14201.3	13751.4	13665.4	13712.4	14172.6	14411.2	14201.3	13751.4	13665.4	13712.4
15°	14408.2	14222.6	13726.4	13591.5	13645.2	14184.8	14408.2	14222.6	13726.4	13591.5	13645.2
15.5°	14394.1	14218.3	13645.2	13531.1	13645.2	14184.8	14394.1	14218.3	13645.2	13531.1	13645.2
16°	14394.1	14190.3	13631.2	13463.9	13529.3	14152.4	14394.1	14190.3	13631.2	13463.9	13529.3
16.5°	14425.3	14151.2	13583.0	13427.9	13493.8	14110.9	14425.3	14151.2	13583.0	13427.9	13493.8
17°	14425.3	14137.8	13552.5	13357.1	13398.6	14125.0	14425.3	14137.8	13552.5	13357.1	13398.6
17.5°	14386.2	14153.0	13463.9	13265.0	13389.5	14091.4	14386.2	14153.0	13463.9	13265.0	13389.5
18°	14386.2	14153.0	13329.1	13107.5	13319.9	14091.4	14386.2	14153.0	13329.1	13107.5	13319.9
18.5°	14419.8	14090.8	13307.1	13107.5	13261.9	14039.5	14419.8	14090.8	13307.1	13107.5	13261.9
19°	14419.8	14052.9	13228.3	13010.4	13142.9	14039.5	14419.8	14052.9	13228.3	13010.4	13142.9
19.5°	14405.1	14078.0	13164.3	12889.6	13130.7	14000.5	14405.1	14078.0	13164.3	12889.6	13130.7
20°	14405.1	14070.0	13047.1	12652.8	13037.3	13979.7	14405.1	14070.0	13047.1	12652.8	13037.3
20.5°	14400.8	14037.1	13019.0	12652.8	12979.9	13954.1	14400.8	14037.1	13019.0	12652.8	12979.9
21°	14429.5	13979.7	12930.5	12454.4	12856.6	13893.0	14429.5	13979.7	12930.5	12454.4	12856.6
21.5°	14429.5	13968.1	12871.9	12283.5	12683.3	13907.1	14429.5	13968.1	12871.9	12283.5	12683.3
22°	14394.8	13949.2	12745.6	12147.4	12644.8	13870.4	14394.8	13949.2	12745.6	12147.4	12644.8

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CANDELA DISTRIBUTION (continued):

	0°	30°	60°	90°	120°	150°	180°	210°	240°	270°	300°
22.5°	14394.8	13939.4	12687.0	11989.3	12520.3	13848.5	14394.8	13939.4	12687.0	11989.3	12520.3
23°	14438.7	13879.6	12553.3	11866.0	12442.8	13785.0	14438.7	13879.6	12553.3	11866.0	12442.8
23.5°	14438.7	13879.6	12354.3	11639.0	12268.3	13785.0	14438.7	13879.6	12354.3	11639.0	12268.3
24°	14418.6	13823.5	12250.5	11505.3	12220.0	13711.1	14418.6	13823.5	12250.5	11505.3	12220.0
24.5°	14418.6	13789.9	12081.5	11247.1	12070.5	13678.8	14418.6	13789.9	12081.5	11247.1	12070.5
25°	14427.1	13750.2	11996.6	11070.1	11783.6	13644.6	14427.1	13750.2	11996.6	11070.1	11783.6
25.5°	14427.1	13680.0	11844.0	10617.2	11783.6	13567.1	14427.1	13680.0	11844.0	10617.2	11783.6
26°	14461.9	13659.9	11715.3	10617.2	11488.2	13564.7	14461.9	13659.9	11715.3	10617.2	11488.2
26.5°	14417.9	13628.7	11520.6	10064.8	11488.2	13496.9	14417.9	13628.7	11520.6	10064.8	11488.2
27°	14417.9	13589.1	11380.2	9736.5	11165.9	13471.9	14417.9	13589.1	11380.2	9736.5	11165.9
27.5°	14457.6	13522.6	11183.6	9538.7	11015.2	13379.1	14457.6	13522.6	11183.6	9538.7	11015.2
28°	14457.6	13467.0	11029.8	9168.2	10757.0	13275.9	14457.6	13467.0	11029.8	9168.2	10757.0
28.5°	14439.9	13347.4	10810.1	8947.9	10615.4	13252.2	14439.9	13347.4	10810.1	8947.9	10615.4
29°	14439.9	13347.4	10324.3	8566.4	10356.0	13252.2	14439.9	13347.4	10324.3	8566.4	10356.0
29.5°	14454.6	13188.7	10092.9	8299.7	10146.0	13119.7	14454.6	13188.7	10092.9	8299.7	10146.0
30°	14454.6	13101.4	9839.0	7888.9	9829.9	13008.0	14454.6	13101.4	9839.0	7888.9	9829.9
30.5°	14469.2	13017.2	9532.0	7625.8	9272.6	12979.3	14469.2	13017.2	9532.0	7625.8	9272.6
31°	14437.5	12956.7	9214.6	6850.1	9272.6	12890.2	14437.5	12956.7	9214.6	6850.1	9272.6
31.5°	14437.5	12829.2	8882.6	6850.1	8636.0	12814.5	14437.5	12829.2	8882.6	6850.1	8636.0
32°	14480.8	12731.5	8560.9	6051.1	8314.9	12694.9	14480.8	12731.5	8560.9	6051.1	8314.9
32.5°	14480.8	12577.1	8203.8	5531.1	7912.7	12622.9	14480.8	12577.1	8203.8	5531.1	7912.7
33°	14439.9	12291.5	7848.0	5183.8	7579.5	12401.3	14439.9	12291.5	7848.0	5183.8	7579.5
33.5°	14439.9	12291.5	7077.1	4672.9	7170.5	12401.3	14439.9	12291.5	7077.1	4672.9	7170.5
34°	14447.2	11980.8	6674.3	4296.9	6800.6	12156.5	14447.2	11980.8	6674.3	4296.9	6800.6
34.5°	14447.2	11851.4	6282.4	4296.9	6358.7	12156.5	14447.2	11851.4	6282.4	4296.9	6358.7
35°	14445.4	11605.4	5825.9	3463.2	5996.2	11878.8	14445.4	11605.4	5825.9	3463.2	5996.2
35.5°	14445.4	11498.6	5393.8	2738.7	5547.6	11720.8	14445.4	11498.6	5393.8	2738.7	5547.6
36°	14405.1	11161.7	4904.9	2738.7	4705.9	11532.2	14405.1	11161.7	4904.9	2738.7	4705.9
36.5°	14427.7	11015.8	4475.2	2153.4	4705.9	11333.8	14427.7	11015.8	4475.2	2153.4	4705.9
37°	14427.7	10627.6	3929.5	2047.2	3919.7	11144.6	14427.7	10627.6	3929.5	2047.2	3919.7
37.5°	14369.1	10500.7	3508.4	1657.1	3435.7	10924.8	14369.1	10500.7	3508.4	1657.1	3435.7
38°	14369.1	10058.8	2921.2	1626.6	3209.3	10687.4	14369.1	10058.8	2921.2	1626.6	3209.3
38.5°	14358.1	9373.3	2462.2	1273.2	2657.5	10146.6	14358.1	9373.3	2462.2	1273.2	2657.5
39°	14358.1	9373.3	1916.5	1266.5	2529.9	10146.6	14358.1	9373.3	1916.5	1266.5	2529.9
39.5°	14301.3	8651.3	1513.7	1009.5	1975.1	9511.9	14301.3	8651.3	1513.7	1009.5	1975.1
40°	14301.3	8450.4	1312.9	1011.4	1413.6	9189.0	14301.3	8450.4	1312.9	1011.4	1413.6
40.5°	14225.1	7857.2	932.0	849.0	1391.0	8752.6	14225.1	7857.2	932.0	849.0	1391.0
41°	14232.4	7611.8	932.0	767.2	1391.0	8350.3	14232.4	7611.8	932.0	767.2	1391.0
41.5°	14176.8	7007.5	724.5	767.2	1024.8	7888.9	14176.8	7007.5	724.5	767.2	1024.8
42°	14023.6	6742.7	724.5	727.5	1024.8	7432.4	14023.6	6742.7	724.5	727.5	1024.8
42.5°	14023.6	6167.7	648.2	722.7	794.1	6908.1	14023.6	6167.7	648.2	722.7	794.1
43°	13952.2	5849.1	648.2	701.3	666.5	5839.3	13952.2	5849.1	648.2	701.3	666.5
43.5°	13952.2	5345.5	631.1	688.5	658.0	5839.3	13952.2	5345.5	631.1	688.5	658.0
44°	13799.0	4610.7	622.0	664.7	622.0	4715.0	13799.0	4610.7	622.0	664.7	622.0
44.5°	13799.0	4610.7	617.7	647.0	617.7	4715.0	13799.0	4610.7	617.7	647.0	617.7

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CANDELA DISTRIBUTION (continued):

	0°	30°	60°	90°	120°	150°	180°	210°	240°	270°	300°
45°	13659.3	3965.5	606.1	647.0	608.5	3636.5	13659.3	3965.5	606.1	647.0	608.5
45.5°	13659.3	3463.2	606.1	625.0	604.9	3204.4	13659.3	3463.2	606.1	625.0	604.9
46°	13501.8	3321.6	594.5	625.0	593.9	2683.1	13501.8	3321.6	594.5	625.0	593.9
46.5°	13282.7	2794.2	594.5	605.5	593.9	2369.4	13282.7	2794.2	594.5	605.5	593.9
47°	13282.7	2699.0	582.9	605.5	586.6	1914.7	13282.7	2699.0	582.9	605.5	586.6
47.5°	13105.7	2183.3	582.9	598.8	578.0	1675.4	13105.7	2183.3	582.9	598.8	578.0
48°	13105.7	2119.2	575.6	592.7	570.1	1377.0	13105.7	2119.2	575.6	592.7	570.1
48.5°	12856.0	1627.2	575.6	594.5	566.4	1006.5	12856.0	1627.2	575.6	594.5	566.4
49°	12856.0	1627.2	565.8	588.4	560.3	1006.5	12856.0	1627.2	565.8	588.4	560.3
49.5°	12607.0	1262.8	569.5	584.7	559.7	761.7	12607.0	1262.8	569.5	584.7	559.7
50°	12607.0	998.6	569.5	578.0	557.9	717.8	12607.0	998.6	569.5	578.0	557.9
50.5°	12331.7	981.5	579.2	567.6	564.0	640.9	12331.7	981.5	579.2	567.6	564.0
51°	12331.7	770.3	579.2	550.5	565.2	622.0	12331.7	770.3	579.2	550.5	565.2
51.5°	12000.3	755.6	582.9	550.5	579.8	570.7	12000.3	755.6	582.9	550.5	579.8
52°	11692.7	606.1	582.9	547.5	579.8	557.9	11692.7	606.1	582.9	547.5	579.8
52.5°	11692.7	592.1	575.0	543.8	577.4	526.8	11692.7	592.1	575.0	543.8	577.4
53°	11285.0	523.1	575.0	539.0	569.5	517.6	11285.0	523.1	575.0	539.0	569.5
53.5°	11285.0	512.7	545.7	525.5	558.5	499.3	11285.0	512.7	545.7	525.5	558.5
54°	10914.5	471.8	533.5	524.9	537.1	476.1	10914.5	471.8	533.5	524.9	537.1
54.5°	10914.5	471.8	515.8	509.0	521.2	476.1	10914.5	471.8	515.8	509.0	521.2
55°	10503.1	446.8	489.5	508.4	502.3	454.1	10503.1	446.8	489.5	508.4	502.3
55.5°	10503.1	438.2	489.5	495.6	494.4	444.9	10503.1	438.2	489.5	495.6	494.4
56°	10052.0	430.9	473.7	491.3	475.5	432.1	10052.0	430.9	473.7	491.3	475.5
56.5°	10052.0	421.8	473.7	485.2	475.5	421.8	10052.0	421.8	473.7	485.2	475.5
57°	9627.2	416.9	466.3	485.2	464.5	411.4	9627.2	416.9	466.3	485.2	464.5
57.5°	9145.0	407.7	466.3	487.1	463.3	400.4	9145.0	407.7	466.3	487.1	463.3
58°	9145.0	407.7	458.4	482.8	458.4	391.8	9145.0	407.7	458.4	482.8	458.4
58.5°	8690.3	405.9	458.4	483.4	449.8	374.8	8690.3	405.9	458.4	483.4	449.8
59°	8690.3	405.9	446.8	475.5	444.9	374.8	8690.3	405.9	446.8	475.5	444.9
59.5°	8210.6	402.8	436.4	468.8	441.3	358.3	8210.6	402.8	436.4	468.8	441.3
60°	8210.6	402.8	436.4	468.8	439.5	358.3	8210.6	402.8	436.4	468.8	439.5
60.5°	7734.5	391.8	434.0	457.8	430.3	348.5	7734.5	391.8	434.0	457.8	430.3
61°	7734.5	381.5	434.0	445.6	427.9	340.6	7734.5	381.5	434.0	445.6	427.9
61.5°	7270.0	379.6	434.6	437.0	429.1	343.6	7270.0	379.6	434.6	437.0	429.1
62°	6781.1	369.9	434.6	434.6	429.1	337.5	6781.1	369.9	434.6	434.6	429.1
62.5°	6781.1	362.6	430.3	421.8	420.5	344.9	6781.1	362.6	430.3	421.8	420.5
63°	6322.7	354.0	430.3	406.5	419.9	341.8	6322.7	354.0	430.3	406.5	419.9
63.5°	6322.7	349.1	407.7	406.5	412.0	343.0	6322.7	349.1	407.7	406.5	412.0
64°	5860.7	341.8	407.7	395.5	403.4	333.9	5860.7	341.8	407.7	395.5	403.4
64.5°	5860.7	341.8	384.5	395.5	397.4	333.9	5860.7	341.8	384.5	395.5	397.4
65°	5417.6	344.9	366.8	383.9	379.6	335.7	5417.6	344.9	366.8	383.9	379.6
65.5°	5417.6	341.8	366.8	383.9	376.6	341.2	5417.6	341.8	366.8	383.9	376.6
66°	4989.7	365.6	360.1	375.4	363.2	334.5	4989.7	365.6	360.1	375.4	363.2
66.5°	4989.7	363.8	360.1	372.3	363.2	341.8	4989.7	363.8	360.1	372.3	363.2
67°	4535.6	407.7	354.6	365.6	348.5	336.9	4535.6	407.7	354.6	365.6	348.5

Cooper Lighting Solutions Photometric Lab
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Scaled Data Report

TEST NUMBER: P1594563
CATALOG NUMBER: FLXB-1224-N-HI-3000K

CANDELA DISTRIBUTION (continued):

	0°	30°	60°	90°	120°	150°	180°	210°	240°	270°	300°
67.5°	4123.6	417.5	354.6	358.9	348.5	345.5	4123.6	417.5	354.6	358.9	348.5
68°	4123.6	458.4	343.6	352.8	336.9	347.9	4123.6	458.4	343.6	352.8	336.9
68.5°	3692.7	458.4	343.6	337.5	336.3	365.6	3692.7	458.4	343.6	337.5	336.3
69°	3692.7	431.5	329.0	337.5	330.8	365.6	3692.7	431.5	329.0	337.5	330.8
69.5°	3300.8	381.5	322.9	318.6	322.3	388.2	3300.8	381.5	322.9	318.6	322.3
70°	3300.8	381.5	316.2	318.6	308.8	388.2	3300.8	381.5	316.2	318.6	308.8
70.5°	2941.3	361.9	295.4	293.6	302.7	425.4	2941.3	361.9	295.4	293.6	302.7
71°	2941.3	366.8	295.4	293.6	288.1	443.1	2941.3	366.8	295.4	293.6	288.1
71.5°	2591.6	349.1	268.0	280.2	268.6	475.5	2591.6	349.1	268.0	280.2	268.6
72°	2500.0	352.8	268.0	274.7	268.6	479.1	2500.0	352.8	268.0	274.7	268.6
72.5°	2288.2	336.9	238.0	264.9	240.5	466.3	2288.2	336.9	238.0	264.9	240.5
73°	2008.7	338.7	238.0	249.6	240.5	470.6	2008.7	338.7	238.0	249.6	240.5
73.5°	2008.7	324.1	222.8	249.6	208.1	420.5	2008.7	324.1	222.8	249.6	208.1
74°	1761.5	327.8	222.8	235.6	192.9	369.9	1761.5	327.8	222.8	235.6	192.9
74.5°	1761.5	327.8	206.9	235.6	184.9	369.9	1761.5	327.8	206.9	235.6	184.9
75°	1531.4	329.0	180.1	186.8	180.7	332.0	1531.4	329.0	180.1	186.8	180.7
75.5°	1531.4	336.9	180.1	186.8	173.9	332.0	1531.4	336.9	180.1	186.8	173.9
76°	1323.9	319.8	164.8	150.8	169.7	302.7	1323.9	319.8	164.8	150.8	169.7
76.5°	1183.5	306.4	164.8	141.0	162.4	285.6	1183.5	306.4	164.8	141.0	162.4
77°	1145.6	307.0	150.8	138.6	142.8	268.0	1145.6	307.0	150.8	138.6	142.8
77.5°	972.9	283.8	150.8	127.0	142.8	256.4	972.9	283.8	150.8	127.0	142.8
78°	972.9	262.4	133.1	119.6	123.9	258.8	972.9	262.4	133.1	119.6	123.9
78.5°	818.5	242.9	133.1	100.7	116.6	247.2	818.5	242.9	133.1	100.7	116.6
79°	818.5	217.9	108.0	100.7	109.9	231.9	818.5	217.9	108.0	100.7	109.9
79.5°	676.3	201.4	108.0	90.3	100.7	203.3	676.3	201.4	108.0	90.3	100.7
80°	676.3	186.8	80.0	90.3	92.8	203.3	676.3	186.8	80.0	90.3	92.8
80.5°	557.3	164.2	65.9	69.6	78.1	188.0	557.3	164.2	65.9	69.6	78.1
81°	557.3	150.8	65.9	69.6	72.6	178.2	557.3	150.8	65.9	69.6	72.6
81.5°	454.1	138.0	50.7	54.9	58.0	162.4	454.1	138.0	50.7	54.9	58.0
82°	454.1	130.0	50.7	53.1	54.9	142.2	454.1	130.0	50.7	53.1	54.9
82.5°	361.9	123.9	36.0	48.8	46.4	115.4	361.9	123.9	36.0	48.8	46.4
83°	285.0	112.3	36.0	38.5	46.4	99.5	285.0	112.3	36.0	38.5	46.4
83.5°	285.0	109.2	30.5	36.0	32.3	83.6	285.0	109.2	30.5	36.0	32.3
84°	217.9	97.7	30.5	25.6	25.0	61.7	217.9	97.7	30.5	25.6	25.0
84.5°	217.9	95.2	25.0	25.6	21.4	61.7	217.9	95.2	25.0	25.6	21.4
85°	163.0	84.2	20.2	20.8	18.3	36.0	163.0	84.2	20.2	20.8	18.3
85.5°	163.0	64.1	16.5	20.8	17.7	36.0	163.0	64.1	16.5	20.8	17.7
86°	119.0	63.5	7.9	17.7	15.3	20.2	119.0	63.5	7.9	17.7	15.3
86.5°	119.0	47.6	7.9	17.7	14.0	15.3	119.0	47.6	7.9	17.7	14.0
87°	86.7	47.6	6.7	12.8	8.6	12.2	86.7	47.6	6.7	12.8	8.6
87.5°	86.7	36.0	6.7	6.1	8.6	7.3	86.7	36.0	6.7	6.1	8.6
88°	62.3	36.0	4.9	6.1	4.9	4.3	62.3	36.0	4.9	6.1	4.9
88.5°	43.9	23.8	4.9	4.3	4.3	3.7	43.9	23.8	4.9	4.3	4.3
89°	43.9	23.8	2.4	4.3	4.3	3.7	43.9	23.8	2.4	4.3	4.3
89.5°	30.5	13.4	2.4	3.7	3.0	2.4	30.5	13.4	2.4	3.7	3.0

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Scaled Data Report

TEST NUMBER: P1594563
CATALOG NUMBER: FLXB-1224-N-HI-3000K

CANDELA DISTRIBUTION (continued):

	0°	30°	60°	90°	120°	150°	180°	210°	240°	270°	300°
90°	*18.9*	7.9	1.2	2.4	1.8	1.8	18.9	7.9	1.2	2.4	1.8

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Scaled Data Report

TEST NUMBER: P1594563
CATALOG NUMBER: FLXB-1224-N-HI-3000K

CANDELA DISTRIBUTION (continued):

	330°	360°
0°	14392.0	14392.0
0.5°	14392.0	14392.0
1°	14388.0	14419.2
1.5°	14411.8	14419.2
2°	14406.3	14385.6
2.5°	14406.3	14385.6
3°	14407.0	14416.7
3.5°	14407.0	14416.7
4°	14388.6	14389.9
4.5°	14405.7	14389.9
5°	14382.5	14398.4
5.5°	14345.3	14411.2
6°	14372.8	14411.2
6.5°	14390.5	14383.2
7°	14375.8	14383.2
7.5°	14345.9	14416.7
8°	14345.9	14416.7
8.5°	14332.5	14385.6
9°	14346.5	14409.4
9.5°	14316.6	14397.8
10°	14272.7	14397.8
10.5°	14298.3	14404.5
11°	14298.3	14403.9
11.5°	14280.6	14381.9
12°	14256.8	14417.3
12.5°	14256.8	14417.3
13°	14232.4	14380.1
13.5°	14232.4	14380.1
14°	14215.3	14411.2
14.5°	14172.6	14411.2
15°	14184.8	14408.2
15.5°	14184.8	14394.1
16°	14152.4	14394.1
16.5°	14110.9	14425.3
17°	14125.0	14425.3
17.5°	14091.4	14386.2
18°	14091.4	14386.2
18.5°	14039.5	14419.8
19°	14039.5	14419.8
19.5°	14000.5	14405.1
20°	13979.7	14405.1
20.5°	13954.1	14400.8
21°	13893.0	14429.5
21.5°	13907.1	14429.5
22°	13870.4	14394.8

TEST NUMBER: P1594563
CATALOG NUMBER: FLXB-1224-N-HI-3000K

CANDELA DISTRIBUTION (continued):

	330°	360°
22.5°	13848.5	14394.8
23°	13785.0	14438.7
23.5°	13785.0	14438.7
24°	13711.1	14418.6
24.5°	13678.8	14418.6
25°	13644.6	14427.1
25.5°	13567.1	14427.1
26°	13564.7	14461.9
26.5°	13496.9	14417.9
27°	13471.9	14417.9
27.5°	13379.1	14457.6
28°	13275.9	14457.6
28.5°	13252.2	14439.9
29°	13252.2	14439.9
29.5°	13119.7	14454.6
30°	13008.0	14454.6
30.5°	12979.3	14469.2
31°	12890.2	14437.5
31.5°	12814.5	14437.5
32°	*12694.9*	*14480.8*
32.5°	12622.9	14480.8
33°	12401.3	14439.9
33.5°	12401.3	14439.9
34°	12156.5	14447.2
34.5°	12156.5	14447.2
35°	11878.8	14445.4
35.5°	11720.8	14445.4
36°	11532.2	14405.1
36.5°	11333.8	14427.7
37°	11144.6	14427.7
37.5°	10924.8	14369.1
38°	10687.4	14369.1
38.5°	10146.6	14358.1
39°	10146.6	14358.1
39.5°	9511.9	14301.3
40°	9189.0	14301.3
40.5°	8752.6	14225.1
41°	8350.3	14232.4
41.5°	7888.9	14176.8
42°	7432.4	14023.6
42.5°	6908.1	14023.6
43°	5839.3	13952.2
43.5°	5839.3	13952.2
44°	4715.0	13799.0
44.5°	4715.0	13799.0

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CANDELA DISTRIBUTION (continued):

	330°	360°
45°	3636.5	13659.3
45.5°	3204.4	13659.3
46°	2683.1	13501.8
46.5°	2369.4	13282.7
47°	1914.7	13282.7
47.5°	1675.4	13105.7
48°	1377.0	13105.7
48.5°	1006.5	12856.0
49°	1006.5	12856.0
49.5°	761.7	12607.0
50°	717.8	12607.0
50.5°	640.9	12331.7
51°	622.0	12331.7
51.5°	570.7	12000.3
52°	557.9	11692.7
52.5°	526.8	11692.7
53°	517.6	11285.0
53.5°	499.3	11285.0
54°	476.1	10914.5
54.5°	476.1	10914.5
55°	454.1	10503.1
55.5°	444.9	10503.1
56°	432.1	10052.0
56.5°	421.8	10052.0
57°	411.4	9627.2
57.5°	400.4	9145.0
58°	391.8	9145.0
58.5°	374.8	8690.3
59°	374.8	8690.3
59.5°	358.3	8210.6
60°	358.3	8210.6
60.5°	348.5	7734.5
61°	340.6	7734.5
61.5°	343.6	7270.0
62°	337.5	6781.1
62.5°	344.9	6781.1
63°	341.8	6322.7
63.5°	343.0	6322.7
64°	333.9	5860.7
64.5°	333.9	5860.7
65°	335.7	5417.6
65.5°	341.2	5417.6
66°	334.5	4989.7
66.5°	341.8	4989.7
67°	336.9	4535.6

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TEST NUMBER: P1594563
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CANDELA DISTRIBUTION (continued):

	330°	360°
67.5°	345.5	4123.6
68°	347.9	4123.6
68.5°	365.6	3692.7
69°	365.6	3692.7
69.5°	388.2	3300.8
70°	388.2	3300.8
70.5°	425.4	2941.3
71°	443.1	2941.3
71.5°	475.5	2591.6
72°	479.1	2500.0
72.5°	466.3	2288.2
73°	470.6	2008.7
73.5°	420.5	2008.7
74°	369.9	1761.5
74.5°	369.9	1761.5
75°	332.0	1531.4
75.5°	332.0	1531.4
76°	302.7	1323.9
76.5°	285.6	1183.5
77°	268.0	1145.6
77.5°	256.4	972.9
78°	258.8	972.9
78.5°	247.2	818.5
79°	231.9	818.5
79.5°	203.3	676.3
80°	203.3	676.3
80.5°	188.0	557.3
81°	178.2	557.3
81.5°	162.4	454.1
82°	142.2	454.1
82.5°	115.4	361.9
83°	99.5	285.0
83.5°	83.6	285.0
84°	61.7	217.9
84.5°	61.7	217.9
85°	36.0	163.0
85.5°	36.0	163.0
86°	20.2	119.0
86.5°	15.3	119.0
87°	12.2	86.7
87.5°	7.3	86.7
88°	4.3	62.3
88.5°	3.7	43.9
89°	3.7	43.9
89.5°	2.4	30.5

TEST NUMBER: P1594563
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CANDELA DISTRIBUTION (continued):

	330°	360°
90°	1.8	18.9

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Scaled Data Report

TEST NUMBER: P1594563
CATALOG NUMBER: FLXB-1224-N-HI-3000K

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	26.9	28.1	27.2	28.5	28.8	12.4	13.7	12.8	14.0	14.3
	3H	28.8	29.9	29.1	30.2	30.6	14.6	15.8	15.0	16.1	16.5
	4H	29.2	30.3	29.6	30.6	31.0	15.4	16.4	15.8	16.8	17.2
	6H	29.4	30.4	29.8	30.7	31.1	15.6	16.6	16.0	17.0	17.4
	8H	29.4	30.4	29.8	30.7	31.1	15.6	16.6	16.1	17.0	17.4
	12H	29.4	30.3	29.8	30.7	31.1	15.6	16.5	16.1	16.9	17.3
4H	2H	26.6	27.7	27.0	28.1	28.4	13.0	14.1	13.4	14.4	14.8
	3H	28.6	29.4	29.0	29.8	30.2	15.5	16.4	15.9	16.8	17.2
	4H	29.1	29.8	29.5	30.3	30.7	16.2	17.0	16.7	17.4	17.9
	6H	29.3	30.0	29.8	30.4	30.9	16.6	17.3	17.0	17.7	18.2
	8H	29.4	30.0	29.8	30.4	30.9	16.6	17.2	17.1	17.7	18.2
	12H	29.4	29.9	29.8	30.4	30.9	16.6	17.2	17.1	17.6	18.1
8H	4H	28.9	29.6	29.4	30.0	30.5	16.9	17.5	17.3	17.9	18.4
	6H	29.2	29.7	29.7	30.2	30.7	17.2	17.7	17.7	18.2	18.7
	8H	29.3	29.7	29.8	30.2	30.7	17.3	17.7	17.8	18.2	18.7
	12H	29.3	29.7	29.8	30.2	30.7	17.3	17.7	17.8	18.2	18.7
12H	4H	28.9	29.5	29.4	29.9	30.4	17.0	17.6	17.5	18.1	18.5
	6H	29.1	29.6	29.7	30.1	30.6	17.4	17.9	17.9	18.3	18.9
	8H	29.2	29.6	29.7	30.1	30.7	17.5	17.9	18.0	18.4	18.9

Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

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

Report Prepared for

Cooper Lighting Solutions

Metalux

Report Number: SP3-2602-684-1

Test Date: 02/20/2026

Luminaire Tested: HLBX-2436-W-HI-3000K

Data in this report applies to families of products including HLBX-2436*

Report Generated By FNC07603 / LDUCLS01DT01661
Version: v7.05

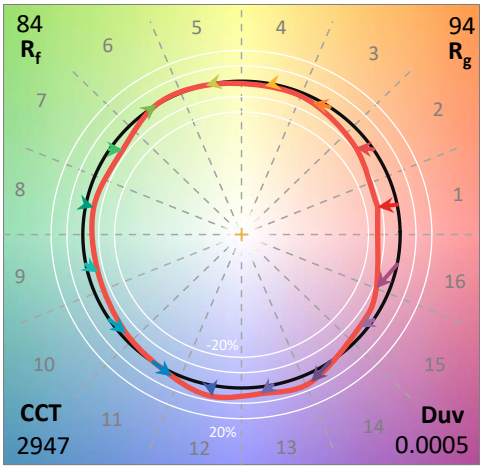
Test Information

Test Method:	LM-79-2019
Report Number:	SP3-2602-684-1
Test Lab:	COOPER LIGHTING SOLUTIONS
Photometer:	SP3 - 3M SPHERE
Measurement Geometry:	4π
Issue Date:	02/27/2026
Manufacturer:	COOPER LIGHTING SOLUTIONS
Product Line:	Metalux
Catalog Number:	**HLBX-2436-W-HI-3000K**
Description:	LDS HLBX 2436 W beam, HI lumen, 3000K CCT settings

Spectral Parameters

CCT (K):	2947	CRI (Ra):	81.4		
CIE u':	0.2523	R1:	79.9	R9:	0.7
CIE v':	0.5232	R2:	91.2	R10:	79.6
Duv:	0.0005	R3:	95.4	R11:	77.4
CIE x:	0.4415	R4:	78.4	R12:	68.4
CIE y:	0.4069	R5:	79.9	R13:	82.7
CIE z:	0.1516	R6:	89.4	R14:	98.3
Peak Wavelength (nm):	605	R7:	81.1	R15:	71.7
Dominant Wavelength (nm):	582	R8:	55.6		
Purity:	54.65632				

Rf:	83.6
Rg:	93.7



Test Conditions

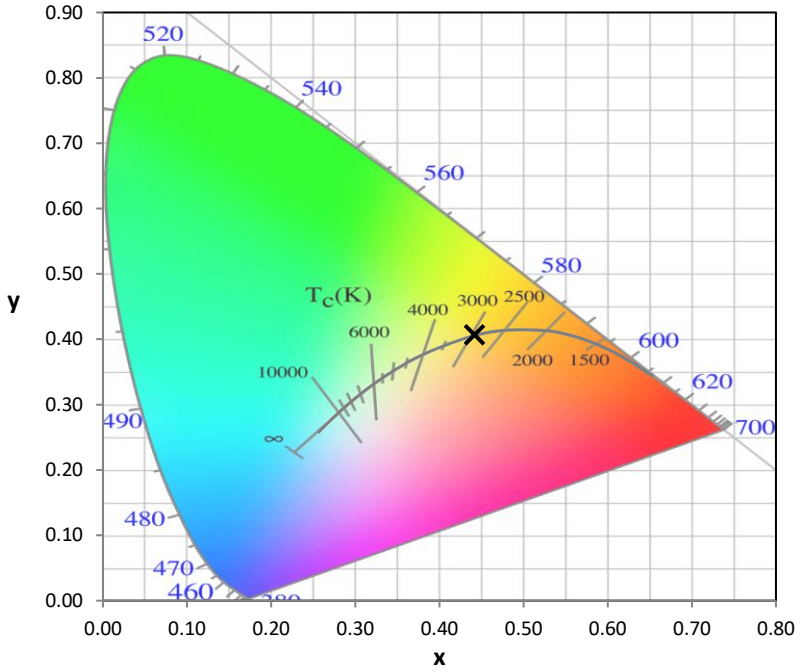
Stabilization Time:	31M
Operation Time:	1H 31M
Sphere Temperature (°C):	25.0

REPORT NUMBER: SP3-2602-684-1

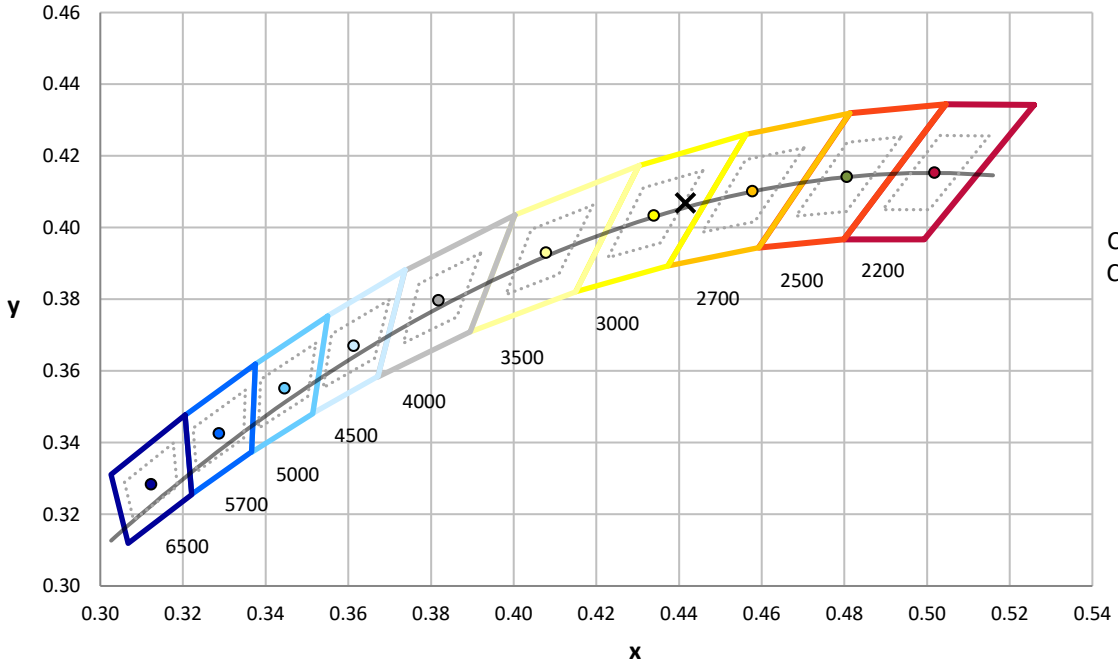
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	3M SPHERE IN02505	1/10/2026	7/10/2026
Power Meter	XITRON INXT2011006	10/21/2025	10/21/2026
AC Power Source	CHROMA 61604 IN6064A	10/20/2025	10/20/2026
DC Power Source	EYSIGHT N5770A IN0534	10/20/2025	10/20/2026
Sphere Thermometer	TANDD IN4036E	10/21/2025	10/21/2026

REPORT NUMBER: SP3-2602-684-1

CIE 1931 Chromaticity Diagram



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

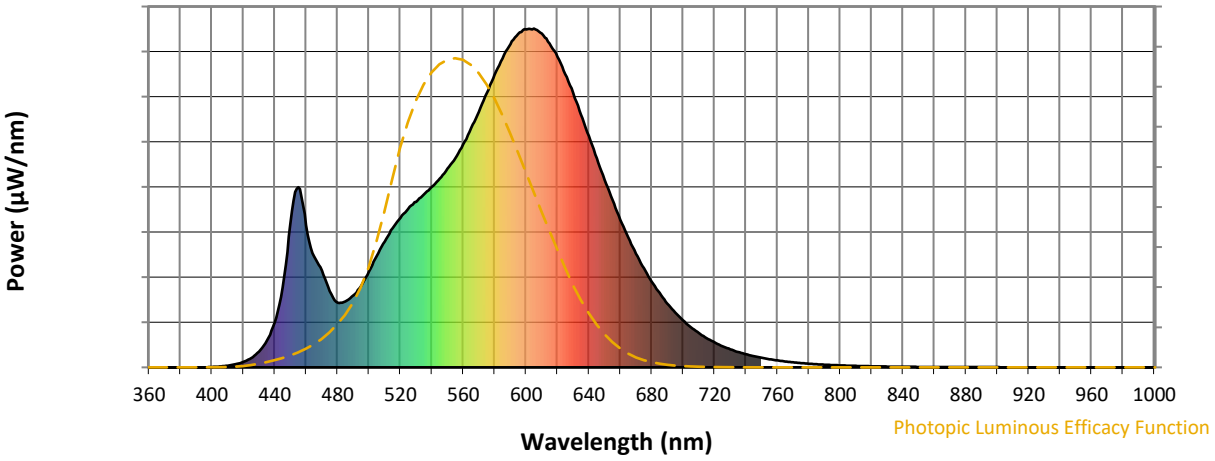


CCT = 2947K
CIE x = 0.4415
CIE y = 0.4069
Duv = 0.0005

Point lies inside the ANSI 3000K 4-step quadrangle

REPORT NUMBER: SP3-2602-684-1

Photopic Flux vs. Wavelength

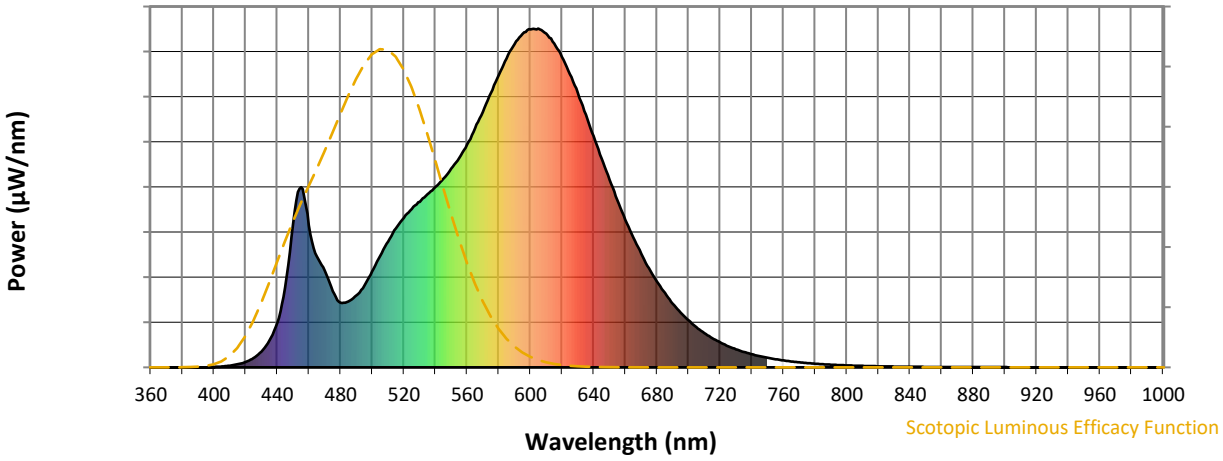


Photopic Lumens: NR

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	213	NR	620	916	NR	750	28	NR	880	1	NR
365	0	NR	495	240	NR	625	865	NR	755	24	NR	885	1	NR
370	0	NR	500	283	NR	630	810	NR	760	20	NR	890	1	NR
375	0	NR	505	329	NR	635	746	NR	765	17	NR	895	1	NR
380	0	NR	510	372	NR	640	683	NR	770	15	NR	900	1	NR
385	0	NR	515	410	NR	645	617	NR	775	13	NR	905	0	NR
390	0	NR	520	441	NR	650	554	NR	780	11	NR	910	0	NR
395	0	NR	525	468	NR	655	494	NR	785	9	NR	915	0	NR
400	1	NR	530	488	NR	660	436	NR	790	8	NR	920	0	NR
405	3	NR	535	511	NR	665	384	NR	795	7	NR	925	0	NR
410	5	NR	540	533	NR	670	336	NR	800	6	NR	930	0	NR
415	9	NR	545	557	NR	675	292	NR	805	5	NR	935	0	NR
420	16	NR	550	586	NR	680	253	NR	810	4	NR	940	0	NR
425	28	NR	555	618	NR	685	220	NR	815	4	NR	945	0	NR
430	47	NR	560	658	NR	690	188	NR	820	3	NR	950	0	NR
435	79	NR	565	706	NR	695	162	NR	825	3	NR	955	0	NR
440	132	NR	570	754	NR	700	138	NR	830	2	NR	960	0	NR
445	236	NR	575	810	NR	705	118	NR	835	2	NR	965	0	NR
450	424	NR	580	864	NR	710	101	NR	840	2	NR	970	0	NR
455	532	NR	585	911	NR	715	86	NR	845	2	NR	975	0	NR
460	420	NR	590	954	NR	720	74	NR	850	1	NR	980	0	NR
465	327	NR	595	985	NR	725	63	NR	855	1	NR	985	0	NR
470	286	NR	600	997	NR	730	53	NR	860	1	NR	990	0	NR
475	225	NR	605	1000	NR	735	46	NR	865	1	NR	995	0	NR
480	191	NR	610	985	NR	740	39	NR	870	1	NR	1000	0	NR
485	194	NR	615	956	NR	745	33	NR	875	1	NR			

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Scotopic Flux vs. Wavelength

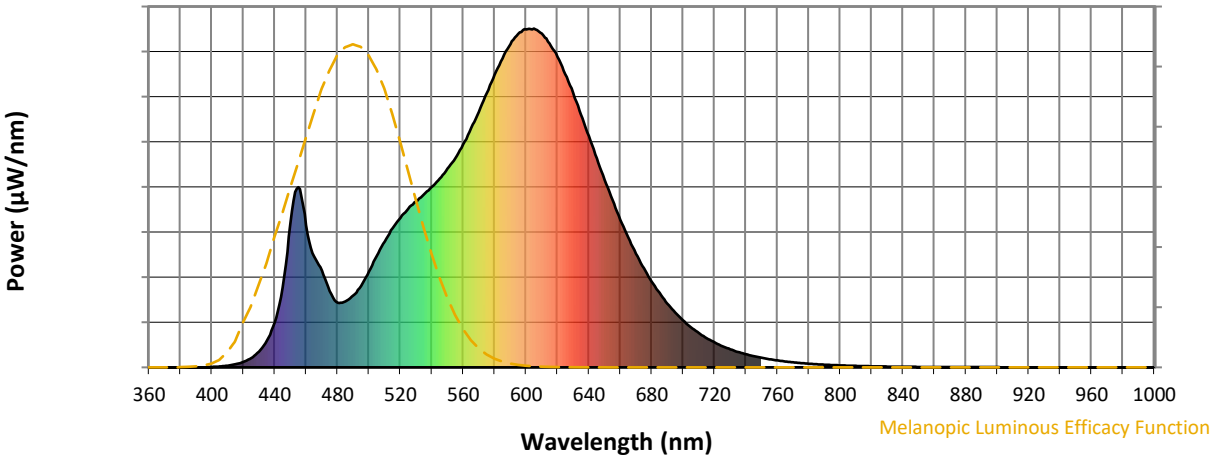


Scotopic Lumens: NR **S/P: 1.32**

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	213	NR	620	916	NR	750	28	NR	880	1	NR
365	0	NR	495	240	NR	625	865	NR	755	24	NR	885	1	NR
370	0	NR	500	283	NR	630	810	NR	760	20	NR	890	1	NR
375	0	NR	505	329	NR	635	746	NR	765	17	NR	895	1	NR
380	0	NR	510	372	NR	640	683	NR	770	15	NR	900	1	NR
385	0	NR	515	410	NR	645	617	NR	775	13	NR	905	0	NR
390	0	NR	520	441	NR	650	554	NR	780	11	NR	910	0	NR
395	0	NR	525	468	NR	655	494	NR	785	9	NR	915	0	NR
400	1	NR	530	488	NR	660	436	NR	790	8	NR	920	0	NR
405	3	NR	535	511	NR	665	384	NR	795	7	NR	925	0	NR
410	5	NR	540	533	NR	670	336	NR	800	6	NR	930	0	NR
415	9	NR	545	557	NR	675	292	NR	805	5	NR	935	0	NR
420	16	NR	550	586	NR	680	253	NR	810	4	NR	940	0	NR
425	28	NR	555	618	NR	685	220	NR	815	4	NR	945	0	NR
430	47	NR	560	658	NR	690	188	NR	820	3	NR	950	0	NR
435	79	NR	565	706	NR	695	162	NR	825	3	NR	955	0	NR
440	132	NR	570	754	NR	700	138	NR	830	2	NR	960	0	NR
445	236	NR	575	810	NR	705	118	NR	835	2	NR	965	0	NR
450	424	NR	580	864	NR	710	101	NR	840	2	NR	970	0	NR
455	532	NR	585	911	NR	715	86	NR	845	2	NR	975	0	NR
460	420	NR	590	954	NR	720	74	NR	850	1	NR	980	0	NR
465	327	NR	595	985	NR	725	63	NR	855	1	NR	985	0	NR
470	286	NR	600	997	NR	730	53	NR	860	1	NR	990	0	NR
475	225	NR	605	1000	NR	735	46	NR	865	1	NR	995	0	NR
480	191	NR	610	985	NR	740	39	NR	870	1	NR	1000	0	NR
485	194	NR	615	956	NR	745	33	NR	875	1	NR			

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Melanopic Flux vs. Wavelength



Melanopic Lumens: NR **M/P: 2.54**

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	213	NR	620	916	NR	750	28	NR	880	1	NR
365	0	NR	495	240	NR	625	865	NR	755	24	NR	885	1	NR
370	0	NR	500	283	NR	630	810	NR	760	20	NR	890	1	NR
375	0	NR	505	329	NR	635	746	NR	765	17	NR	895	1	NR
380	0	NR	510	372	NR	640	683	NR	770	15	NR	900	1	NR
385	0	NR	515	410	NR	645	617	NR	775	13	NR	905	0	NR
390	0	NR	520	441	NR	650	554	NR	780	11	NR	910	0	NR
395	0	NR	525	468	NR	655	494	NR	785	9	NR	915	0	NR
400	1	NR	530	488	NR	660	436	NR	790	8	NR	920	0	NR
405	3	NR	535	511	NR	665	384	NR	795	7	NR	925	0	NR
410	5	NR	540	533	NR	670	336	NR	800	6	NR	930	0	NR
415	9	NR	545	557	NR	675	292	NR	805	5	NR	935	0	NR
420	16	NR	550	586	NR	680	253	NR	810	4	NR	940	0	NR
425	28	NR	555	618	NR	685	220	NR	815	4	NR	945	0	NR
430	47	NR	560	658	NR	690	188	NR	820	3	NR	950	0	NR
435	79	NR	565	706	NR	695	162	NR	825	3	NR	955	0	NR
440	132	NR	570	754	NR	700	138	NR	830	2	NR	960	0	NR
445	236	NR	575	810	NR	705	118	NR	835	2	NR	965	0	NR
450	424	NR	580	864	NR	710	101	NR	840	2	NR	970	0	NR
455	532	NR	585	911	NR	715	86	NR	845	2	NR	975	0	NR
460	420	NR	590	954	NR	720	74	NR	850	1	NR	980	0	NR
465	327	NR	595	985	NR	725	63	NR	855	1	NR	985	0	NR
470	286	NR	600	997	NR	730	53	NR	860	1	NR	990	0	NR
475	225	NR	605	1000	NR	735	46	NR	865	1	NR	995	0	NR
480	191	NR	610	985	NR	740	39	NR	870	1	NR	1000	0	NR
485	194	NR	615	956	NR	745	33	NR	875	1	NR			

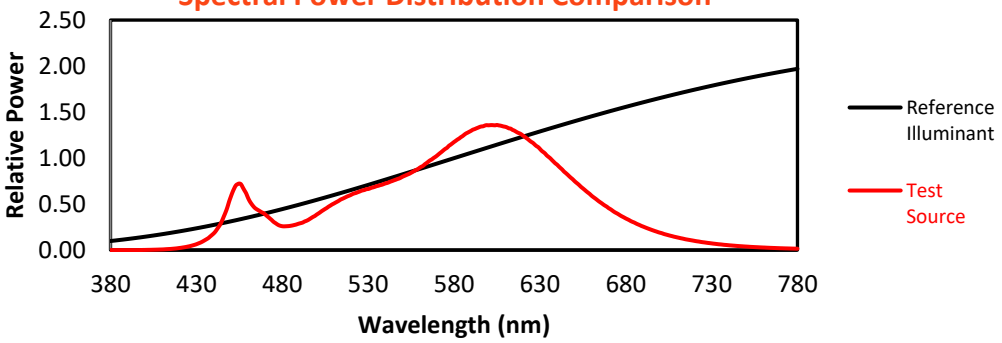
REPORT NUMBER: SP3-2602-684-1

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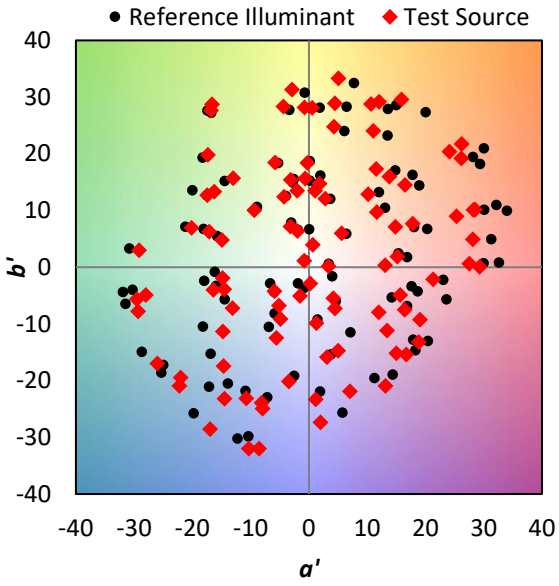
Summary

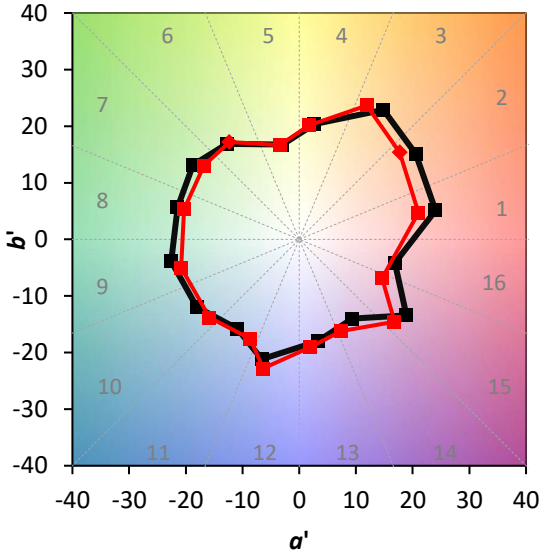
R_f = 83.6
R_g = 93.7
CIE R_a = 81.4
R_9 = 0.7

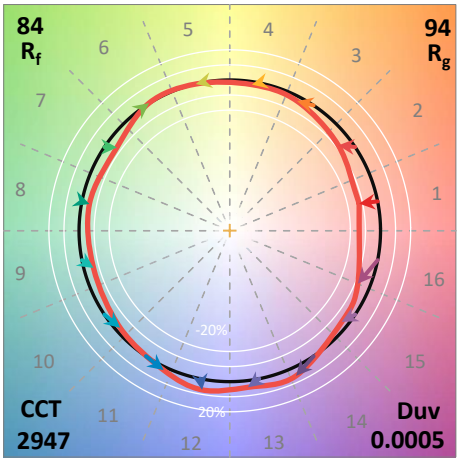
Spectral Power Distribution Comparison

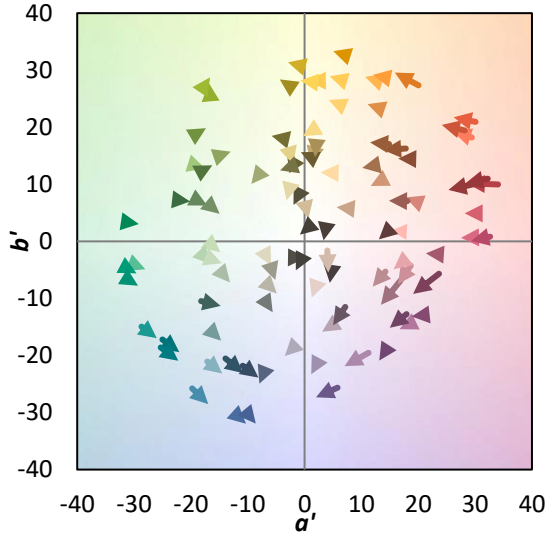


Color Vector Graphics







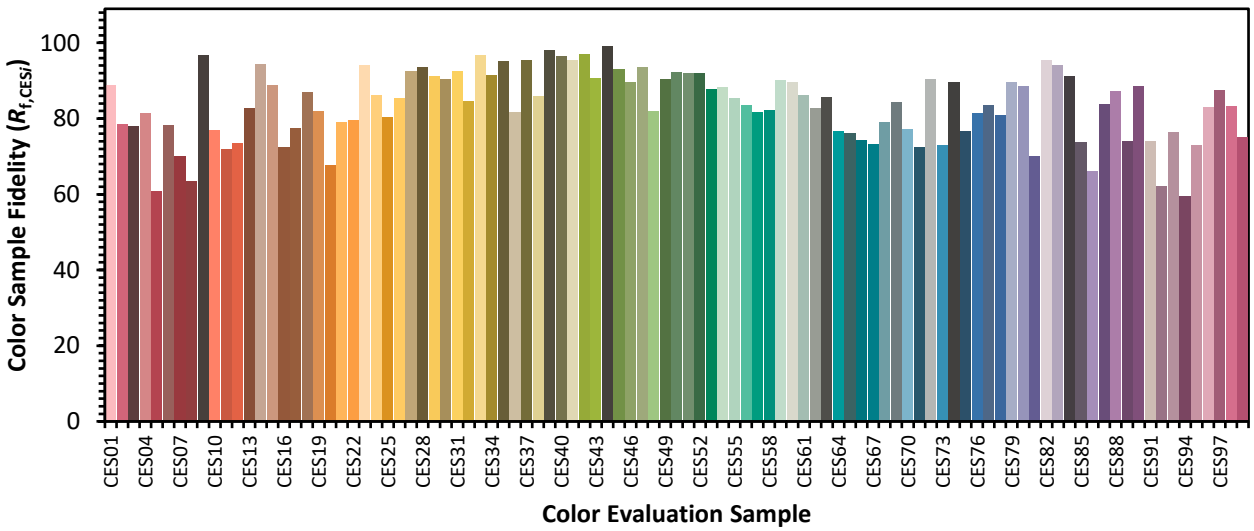


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Individual Sample Fidelity Index ($R_{f,i}$)

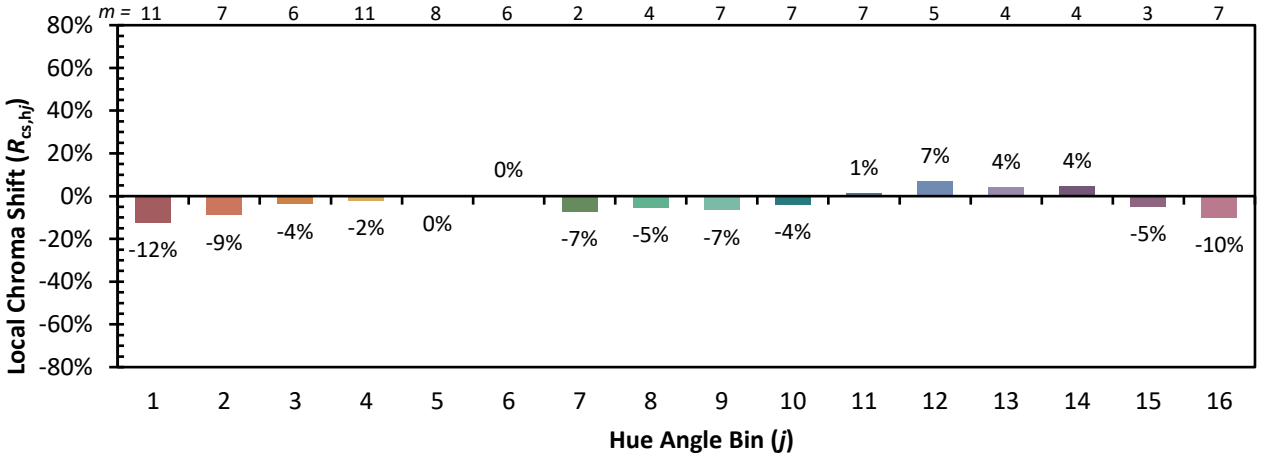
CES01 = 86	CES26 = 86	CES51 = 92	CES76 = 81
CES02 = 63	CES27 = 92	CES52 = 92	CES77 = 84
CES03 = 31	CES28 = 94	CES53 = 88	CES78 = 81
CES04 = 71	CES29 = 91	CES54 = 88	CES79 = 90
CES05 = 50	CES30 = 90	CES55 = 85	CES80 = 89
CES06 = 51	CES31 = 93	CES56 = 83	CES81 = 70
CES07 = 42	CES32 = 84	CES57 = 82	CES82 = 95
CES08 = 41	CES33 = 97	CES58 = 82	CES83 = 94
CES09 = 29	CES34 = 91	CES59 = 90	CES84 = 91
CES10 = 76	CES35 = 95	CES60 = 90	CES85 = 74
CES11 = 59	CES36 = 82	CES61 = 86	CES86 = 66
CES12 = 65	CES37 = 96	CES62 = 83	CES87 = 84
CES13 = 44	CES38 = 86	CES63 = 86	CES88 = 87
CES14 = 74	CES39 = 98	CES64 = 77	CES89 = 74
CES15 = 72	CES40 = 96	CES65 = 76	CES90 = 89
CES16 = 48	CES41 = 95	CES66 = 74	CES91 = 74
CES17 = 50	CES42 = 97	CES67 = 73	CES92 = 62
CES18 = 57	CES43 = 91	CES68 = 79	CES93 = 76
CES19 = 72	CES44 = 99	CES69 = 84	CES94 = 60
CES20 = 67	CES45 = 93	CES70 = 77	CES95 = 73
CES21 = 87	CES46 = 90	CES71 = 73	CES96 = 83
CES22 = 79	CES47 = 93	CES72 = 91	CES97 = 88
CES23 = 92	CES48 = 82	CES73 = 73	CES98 = 83
CES24 = 91	CES49 = 90	CES74 = 90	CES99 = 75
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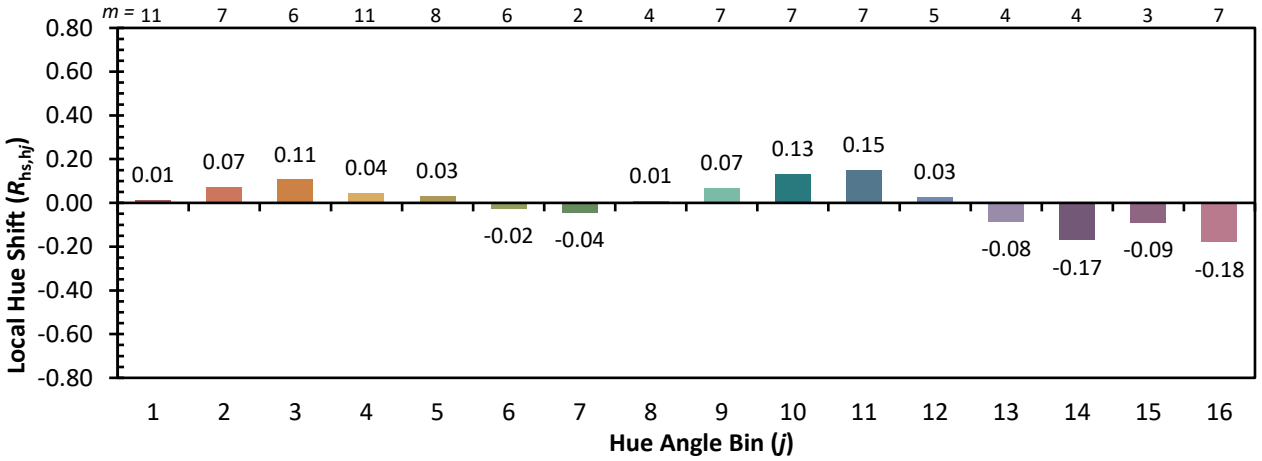


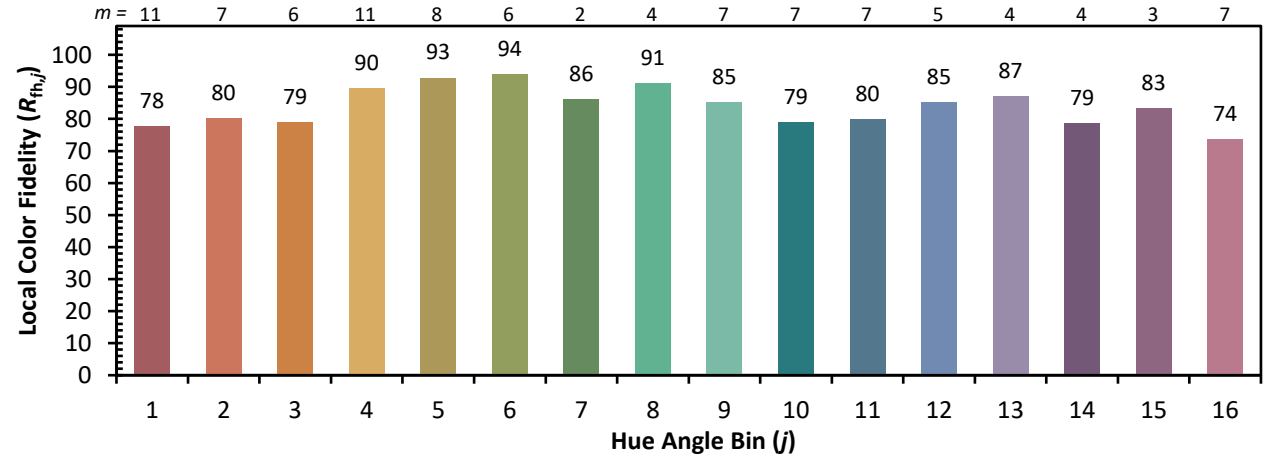
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Color Rendition by Hue-Angle Bin



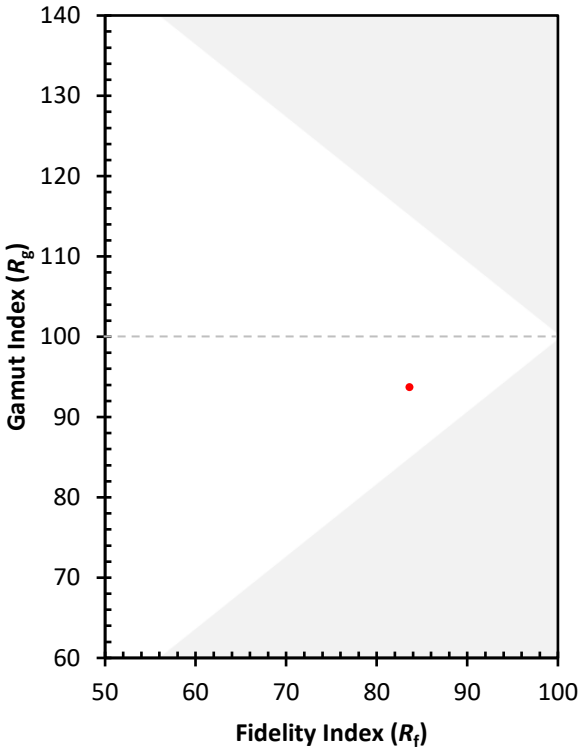


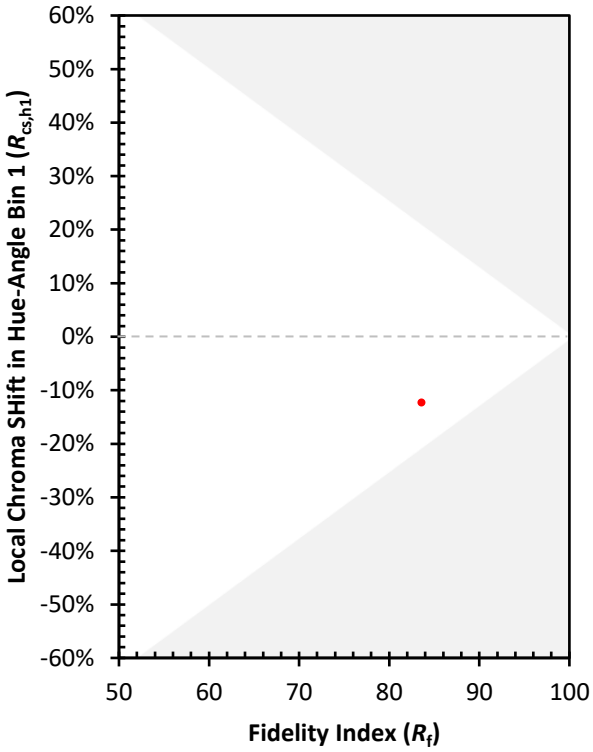


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Measure Comparisons





(END OF REPORT)