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

Scaled data based on original data using

LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-State Lighting Products

Test Report Prepared for

Cooper Lighting Solutions

(formerly Eaton)

Brand: LUMARK

Report Number: P980980

Luminaire Tested: **NFFLD-C70-7050-66**

Issue Date: 04/10/2025

Report Generated By 670245763

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

Scaled Data Report

Test Information

Test Method:	LM-79-08
Report Number:	P980980
Test Lab:	INNOVATION CENTER(G2)
Issue Date:	04/10/2025
Manufacturer:	COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line:	LUMARK
Catalog Number:	NFFLD-C70-7050-66
Description:	LUMARK NIGHT FALCON MEDIUM SIZE 180W 70CRI 5000K LED FIXTURE NEMA 6
Light Source:	(2) 5000K CCT, 70 CRI LEDS
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	27527.4 lumens
Efficiency:	N/A
Efficacy:	152.3 lumens/watt
Luminous Opening:	Rectangular (W 1' x L: 0.31' x H: 0')
IES Classification:	Type I - Short
BUG Rating:	B4 - U0 - G2

Input Watts (W):	180.8
Input Voltage (V):	120
Input Current (Ain):	NR
Voltage Rise (V):	NR
Power Factor:	0.99
Total Harmonic Distortion (THDi):	2.80%
Frequency (hertz):	60
Stabilization Time:	NR
Operation Time:	NR
Ambient Temperature (°C):	NR
Test Distance:	28.75 FT

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REPORT NUMBER: P980980
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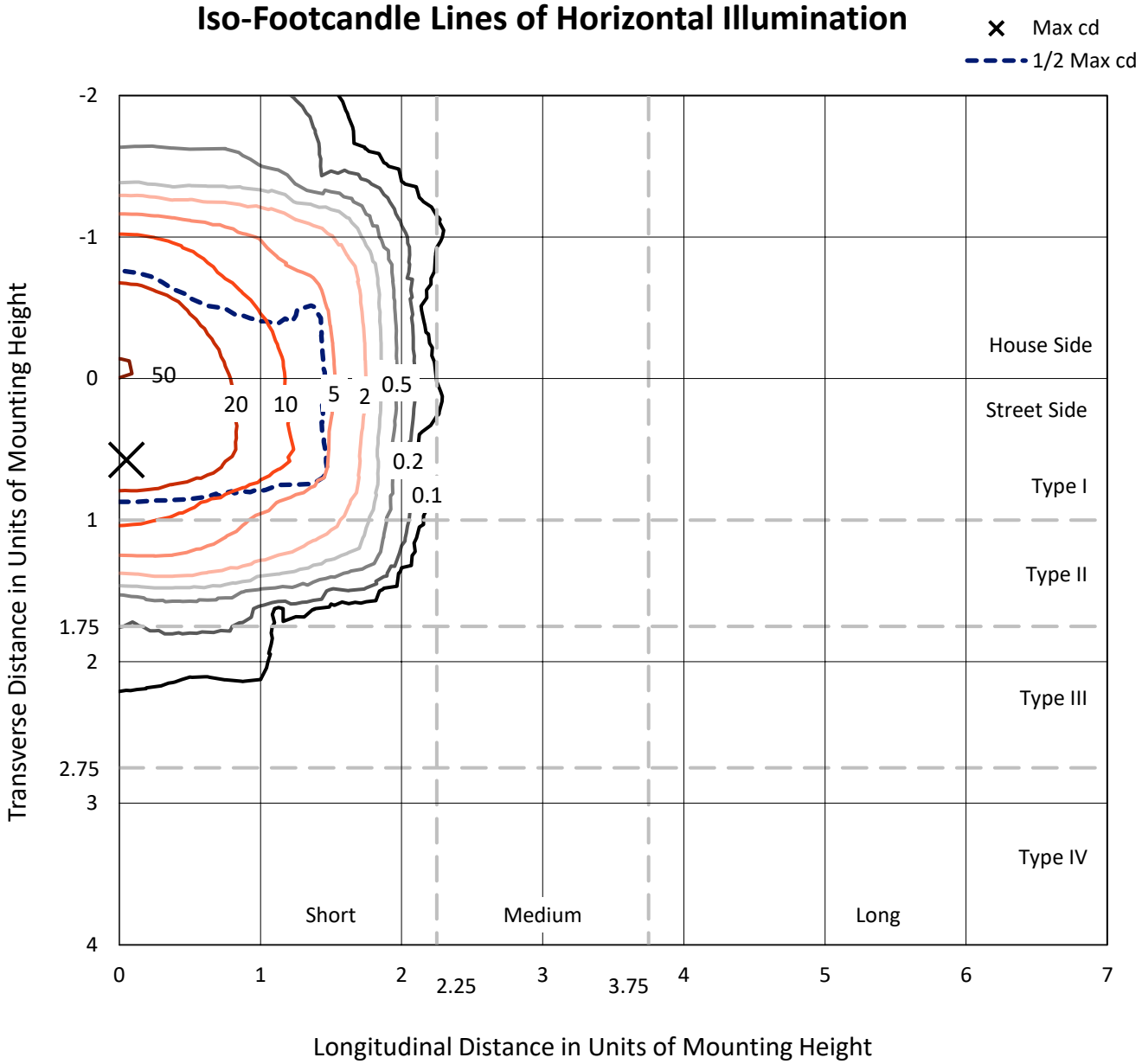
Iso-Footcandle Lines of Horizontal Illumination



Based on 15 foot mounting height. Maximum calculated value = 51.2 fc
Type I - Short - N/A

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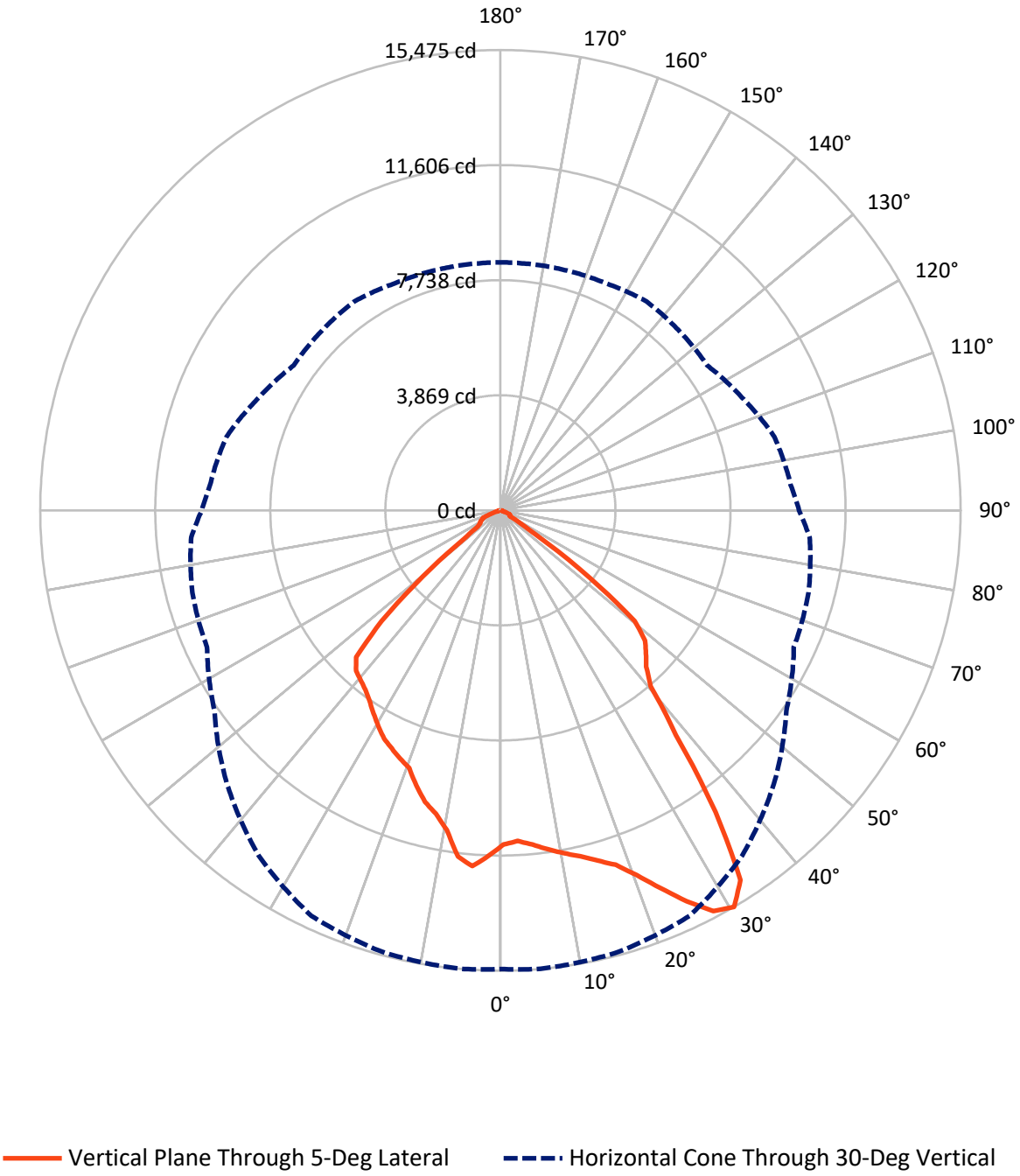
Luminous Intensity Polar Plot



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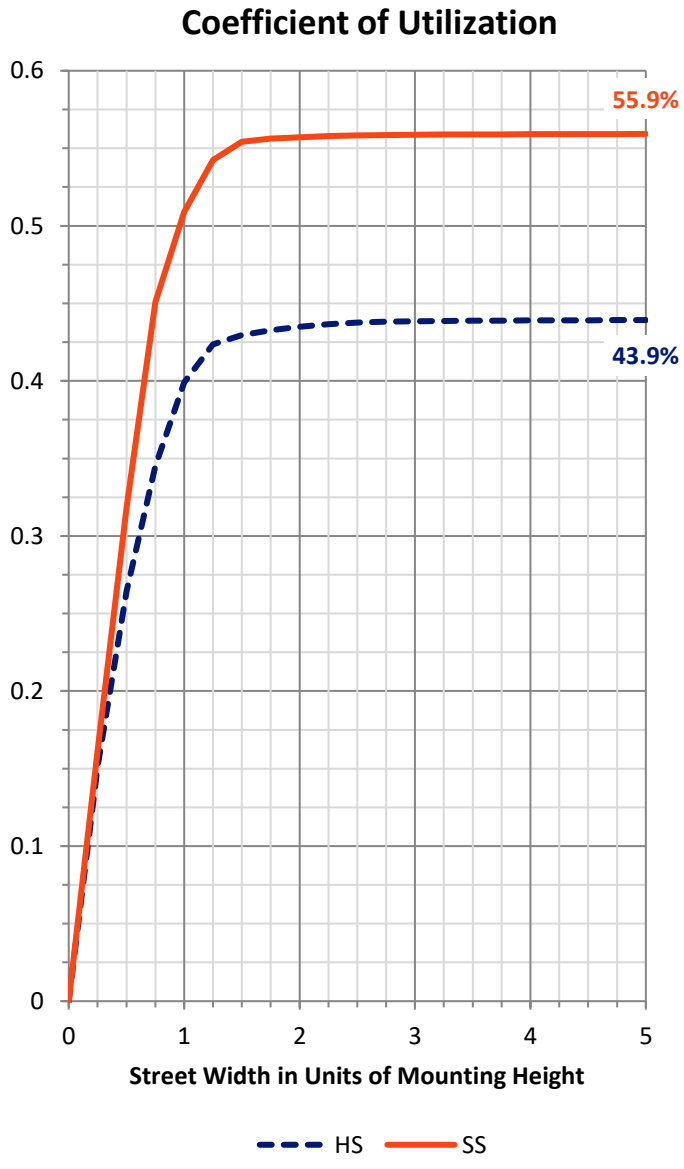
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	12175.1	0.0	12175.1
	% Fixture	44.2	0.0	44.2
Street Side	Lumens	15352.3	0.0	15352.3
	% Fixture	55.8	0.0	55.8
Total	Lumens	27527.4	0.0	27527.4
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1099.1	4.0
10°-20°	3184.0	11.6
20°-30°	5073.9	18.4
30°-40°	6343.2	23.0
40°-50°	6224.9	22.6
50°-60°	4450.4	16.2
60°-70°	984.7	3.6
70°-80°	151.3	0.5
80°-90°	16.0	0.1
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°-90°	27527.4	100.0
0°-180°	27527.4	100.0



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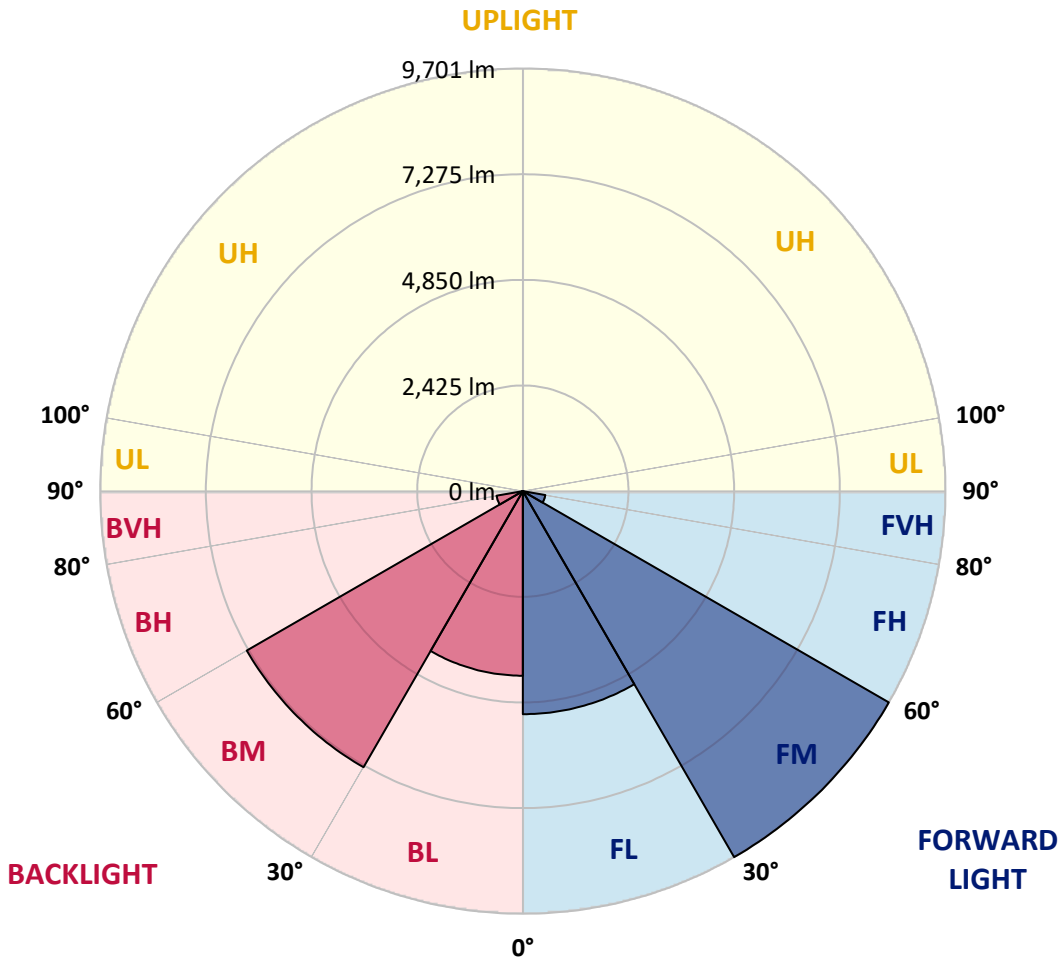
LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	5119.8	18.6			
FM	(30°-60°)	9700.7	35.2			
FH	(60°-80°)	523.7	1.9			G0/660
FVH	(80°-90°)	8.1	0.0			G0/10
BL	(0°-30°)	4237.2	15.4	B4/5000		
BM	(30°-60°)	7317.8	26.6	B4/8500		
BH	(60°-80°)	612.2	2.2	B2/1000		G2/1000
BVH	(80°-90°)	7.9	0.0			G0/10
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B4-U0-G2
Type I Short



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REPORT NUMBER: P980980
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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	11235.7	11235.7	11235.7	11235.7	11235.7	11235.7	11235.7	11235.7	11235.7	11235.7	11235.7
2.5°	11110.0	11128.0	11145.9	11172.9	11208.8	11226.8	11208.8	11190.8	11181.8	11199.8	11208.8
5°	11262.7	11289.6	11298.6	11316.6	11334.5	11316.6	11307.6	11289.6	11280.6	11289.6	11316.6
7.5°	11487.2	11505.2	11496.2	11487.2	11478.2	11415.4	11352.5	11325.5	11325.5	11352.5	11424.3
10°	11684.8	11720.7	11675.8	11639.9	11577.0	11478.2	11370.5	11307.6	11325.5	11379.4	11469.3
12.5°	11936.3	11936.3	11891.4	11855.5	11711.7	11595.0	11451.3	11352.5	11352.5	11451.3	11550.1
15°	12241.7	12214.7	12196.7	12097.9	11927.3	11738.7	11559.1	11415.4	11388.4	11541.1	11604.0
17.5°	12627.9	12529.1	12484.2	12313.5	12080.0	11837.5	11595.0	11478.2	11397.4	11559.1	11487.2
20°	13157.8	13085.9	12942.2	12672.8	12196.7	11882.4	11595.0	11442.3	11379.4	11469.3	11397.4
22.5°	13840.3	13795.4	13472.1	13130.8	12502.1	11918.3	11550.1	11343.5	11325.5	11280.6	11128.0
25°	14675.6	14558.9	14226.5	13741.5	12960.2	12268.6	11541.1	11163.9	11101.0	10984.3	10714.8
27.5°	15385.1	15259.4	14855.2	14424.1	13588.9	12789.5	11613.0	10948.3	10876.5	10795.6	10463.3
30°	15421.1	15475.0	15367.2	15043.8	14172.7	13005.1	11738.7	10885.5	10723.8	10436.4	10041.2
32.5°	14693.6	14819.3	15079.8	15196.5	14612.7	13265.5	11846.5	10912.4	10616.0	9924.5	9601.1
35°	12205.7	12457.2	13526.0	14531.9	14738.5	13642.8	11936.3	10912.4	10580.1	9556.2	9304.7
37.5°	9376.6	9583.2	10490.3	12313.5	14181.6	13876.3	12133.9	10849.5	10535.2	9583.2	9241.9
40°	7661.1	7777.9	8173.1	9412.5	12223.7	13490.1	12331.5	10921.4	10400.5	9601.1	9277.8
42.5°	7194.1	7185.1	7104.3	7562.3	9322.7	12358.4	12466.2	11101.0	10175.9	9484.4	9214.9
45°	6879.8	6861.8	6789.9	6879.8	7373.7	10113.1	12367.4	11424.3	9897.5	9071.2	8891.6
47.5°	6538.5	6547.4	6520.5	6556.4	6466.6	7679.1	11810.5	11559.1	9421.5	8379.6	8316.8
50°	5721.2	5855.9	6215.1	6251.1	6017.5	6197.2	10113.1	11496.2	9080.2	8182.1	8128.2
52.5°	3556.6	3772.2	4832.0	5730.1	5595.4	5595.4	7715.0	11586.0	8469.5	8110.2	8146.1
55°	1257.4	1419.1	2586.6	3942.8	5011.6	5110.4	6098.4	10310.7	8397.6	8235.9	8271.9
57.5°	314.3	386.2	790.4	1706.5	3377.0	4634.4	5451.7	8514.4	6376.8	6152.3	6242.1
60°	368.2	359.3	494.0	547.9	1311.3	3664.4	4912.8	5748.1	4113.5	3853.0	3897.9
62.5°	395.2	368.2	386.2	485.0	215.6	1796.3	3915.9	3421.9	1697.5	1257.4	1329.2
65°	350.3	332.3	305.4	449.1	152.7	332.3	2308.2	1005.9	242.5	386.2	350.3
67.5°	233.5	242.5	251.5	359.3	143.7	143.7	305.4	251.5	170.6	350.3	305.4
70°	134.7	143.7	170.6	215.6	143.7	116.8	134.7	206.6	143.7	350.3	305.4
72.5°	80.8	80.8	80.8	89.8	143.7	98.8	89.8	170.6	125.7	323.3	305.4
75°	62.9	62.9	62.9	53.9	125.7	62.9	62.9	134.7	107.8	233.5	233.5
77.5°	53.9	53.9	53.9	44.9	71.9	53.9	53.9	98.8	98.8	116.8	134.7
80°	35.9	35.9	35.9	35.9	44.9	44.9	35.9	53.9	44.9	53.9	62.9
82.5°	18.0	26.9	26.9	18.0	26.9	26.9	26.9	35.9	26.9	35.9	35.9
85°	9.0	9.0	9.0	9.0	9.0	9.0	9.0	18.0	9.0	9.0	18.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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Scaled Data Report

REPORT NUMBER: P980980
CATALOG NUMBER: NFFLD-C70-7050-66

CANDELA DISTRIBUTION (continued):

	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	11235.7	11235.7	11235.7	11235.7	11235.7	11235.7	11235.7	11235.7	11235.7	11235.7
2.5°	11226.8	11271.7	11334.5	11433.3	11469.3	11532.1	11586.0	11630.9	11630.9	11613.0
5°	11370.5	11496.2	11666.8	11819.5	11873.4	11936.3	11963.2	12008.1	11999.2	11990.2
7.5°	11496.2	11693.8	11873.4	11981.2	11963.2	11882.4	11828.5	11756.7	11729.7	11747.7
10°	11595.0	11774.6	11855.5	11783.6	11568.0	11379.4	11136.9	10975.3	10894.4	10921.4
12.5°	11630.9	11693.8	11621.9	11226.8	10957.3	10777.7	10580.1	10472.3	10427.4	10436.4
15°	11639.9	11496.2	11101.0	10804.6	10607.0	10382.5	10220.8	10122.0	10122.0	10131.0
17.5°	11451.3	11101.0	10759.7	10535.2	10256.8	10023.2	9933.4	9897.5	9673.0	9708.9
20°	11280.6	10777.7	10589.1	10238.8	9906.5	9753.8	9232.9	9179.0	9188.0	9197.0
22.5°	10921.4	10544.2	10373.5	9915.5	9538.2	9116.1	9044.3	8990.4	8999.4	8999.4
25°	10427.4	10211.9	9978.3	9502.3	9044.3	8963.4	8909.6	8837.7	8801.8	8810.8
27.5°	10149.0	9879.5	9448.4	9044.3	8747.9	8783.8	8720.9	8613.2	8613.2	8622.1
30°	*9798.7*	*9538.2*	*8963.4*	*8487.4*	*8514.4*	*8568.3*	*8415.6*	*8361.7*	*8334.7*	*8334.7*
32.5°	9367.6	9008.3	8505.4	8056.3	8218.0	8200.0	8011.4	8029.4	8047.3	8029.4
35°	9044.3	8577.2	8155.1	7912.6	7849.7	7777.9	7679.1	7742.0	7768.9	7751.0
37.5°	8963.4	8406.6	7966.5	7795.9	7553.4	7418.6	7445.6	7508.5	7544.4	7535.4
40°	8936.5	8235.9	7804.8	7625.2	7301.9	7185.1	7221.0	7346.8	7391.7	7382.7
42.5°	8900.6	8119.2	7706.0	7490.5	7041.4	6960.6	7131.2	7248.0	7257.0	7248.0
45°	8712.0	7993.4	7643.2	7212.1	6646.2	6745.0	6960.6	7023.5	6915.7	6870.8
47.5°	8271.9	7759.9	7454.6	6870.8	6322.9	6511.5	6538.5	5855.9	5460.7	5370.9
50°	8146.1	7768.9	7239.0	6466.6	6125.3	6313.9	5137.4	3924.9	3430.9	3332.1
52.5°	8110.2	7679.1	7319.8	6044.5	6053.5	5326.0	3242.3	1922.0	1544.8	1473.0
55°	8200.0	8074.3	7454.6	5793.0	5631.3	3466.8	1508.9	907.1	934.1	907.1
57.5°	6188.2	6754.0	7616.2	5397.8	4113.5	1670.5	952.0	880.2	817.3	799.3
60°	3862.0	4400.9	5577.5	4643.4	2110.6	996.9	970.0	817.3	790.4	781.4
62.5°	1275.4	1957.9	3197.4	3053.7	583.8	988.0	979.0	727.5	727.5	727.5
65°	323.3	332.3	880.2	1050.8	431.1	880.2	934.1	682.6	664.6	691.6
67.5°	278.4	251.5	467.0	413.1	359.3	610.7	817.3	655.6	619.7	619.7
70°	278.4	296.4	458.1	386.2	224.5	332.3	592.8	404.2	359.3	332.3
72.5°	260.5	287.4	404.2	350.3	152.7	161.7	260.5	134.7	125.7	107.8
75°	224.5	233.5	314.3	314.3	161.7	80.8	107.8	89.8	89.8	80.8
77.5°	152.7	116.8	179.6	224.5	116.8	53.9	44.9	44.9	44.9	35.9
80°	80.8	44.9	44.9	35.9	44.9	44.9	26.9	35.9	35.9	26.9
82.5°	44.9	26.9	26.9	18.0	18.0	26.9	18.0	18.0	18.0	18.0
85°	18.0	18.0	9.0	9.0	9.0	18.0	9.0	9.0	9.0	9.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	9.0	9.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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

Report Prepared for

Cooper Lighting Solutions

Lumark

Report Number: SP1-2501-319-12

Test Date: 02/05/2025

Luminaire Tested: NFFLD-C55-7060-66

Data in this report applies to families of products including NFFLD-C55-7060-66

Report Generated By FNC07603 / LDUCLS01DT446
Version: v7.04

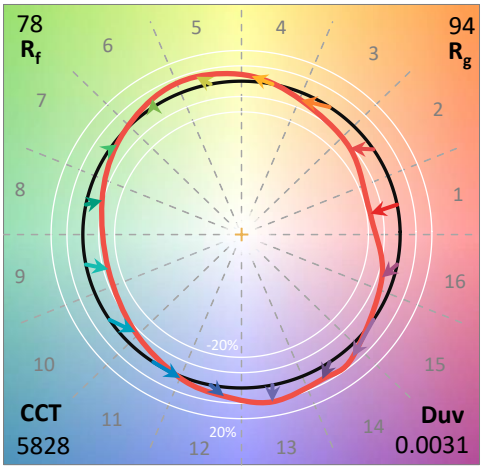
Test Information

Test Method:	LM-79-2019
Report Number:	SP1-2501-319-12
Test Lab:	COOPER LIGHTING SOLUTIONS
Photometer:	SP1 - 76IN SPHERE
Measurement Geometry:	4π
Issue Date:	02/06/2025
Manufacturer:	COOPER LIGHTING SOLUTIONS
Product Line:	Lumark
Catalog Number:	**NFFLD-C55-7060-66**
Description:	LUMARK NIGHT FALCON 16900LM NEMA 6

Spectral Parameters

CCT (K):	5828	CRI (Ra):	76.1		
CIE u':	0.2021	R1:	72.5	R9:	-29.6
CIE v':	0.4762	R2:	81.4	R10:	56.3
Duv:	0.0031	R3:	88.0	R11:	74.3
CIE x:	0.3252	R4:	76.1	R12:	56.2
CIE y:	0.3405	R5:	74.8	R13:	74.3
CIE z:	0.3343	R6:	75.0	R14:	93.5
Peak Wavelength (nm):	449	R7:	82.7	R15:	65.1
Dominant Wavelength (nm):	503	R8:	58.0		
Purity:	2.477017				

Rf:	78
Rg:	93.6



Test Conditions

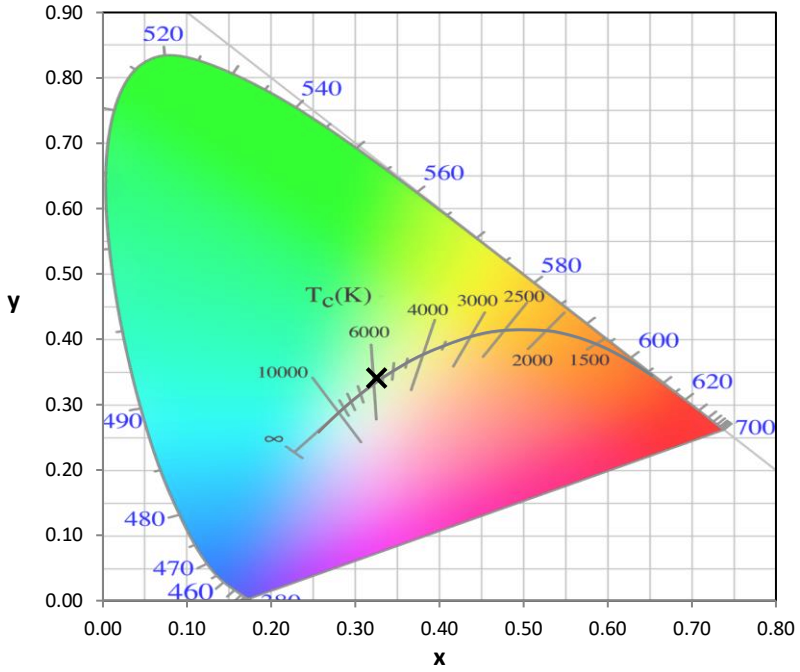
Stabilization Time:	40M
Operation Time:	1H 40M
Sphere Temperature (°C):	25.0

REPORT NUMBER: SP1-2501-319-12

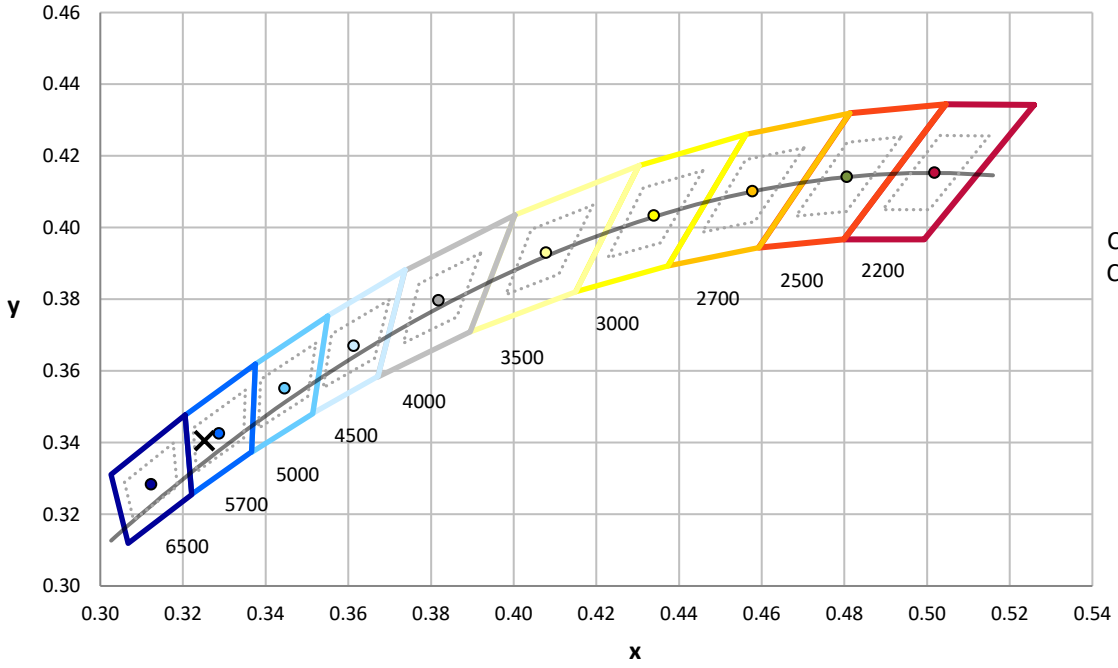
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	12/16/2024	6/16/2025
Power Meter	INXT2011004	1/212025	1/21/2026
AC Power Source	IN0063	10/22/2024	10/22/2025
DC Power Source	IN0208	10/22/2024	10/22/2025
Sphere Thermometer	IN0085	10/22/2024	10/22/2025
Room Thermometer	IN0046	10/22/2024	10/22/2025

REPORT NUMBER: SP1-2501-319-12

CIE 1931 Chromaticity Diagram



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

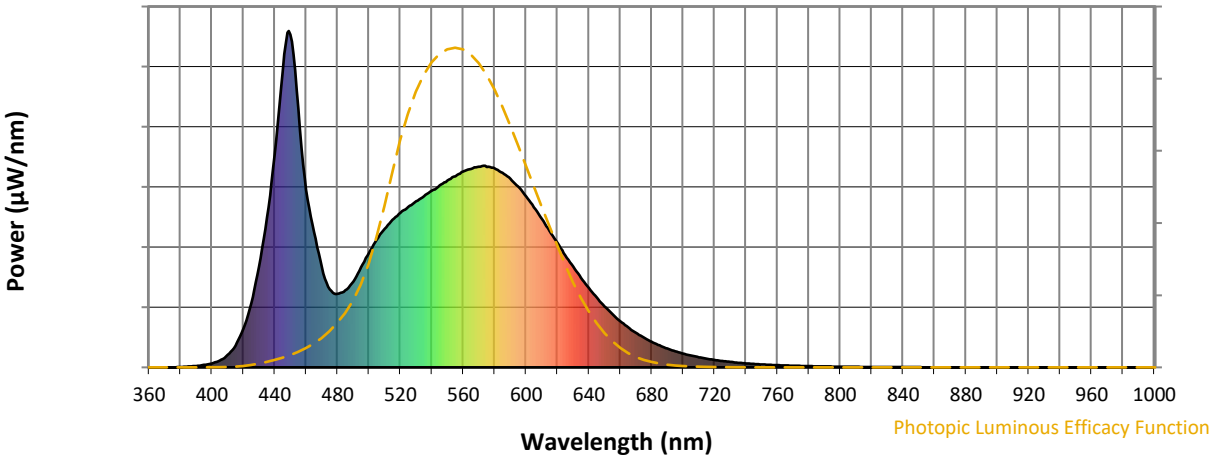


CCT = 5828K
CIE x = 0.3252
CIE y = 0.3405
Duv = 0.0031

Point lies inside the ANSI 5700K 4-step quadrangle

REPORT NUMBER: SP1-2501-319-12

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	255	NR	620	370	NR	750	9	NR	880	0	NR
365	0	NR	495	298	NR	625	333	NR	755	8	NR	885	0	NR
370	0	NR	500	340	NR	630	300	NR	760	7	NR	890	0	NR
375	0	NR	505	380	NR	635	267	NR	765	6	NR	895	0	NR
380	1	NR	510	412	NR	640	236	NR	770	5	NR	900	0	NR
385	2	NR	515	439	NR	645	208	NR	775	4	NR	905	0	NR
390	4	NR	520	459	NR	650	181	NR	780	4	NR	910	0	NR
395	7	NR	525	477	NR	655	158	NR	785	3	NR	915	0	NR
400	12	NR	530	494	NR	660	137	NR	790	3	NR	920	0	NR
405	20	NR	535	509	NR	665	119	NR	795	2	NR	925	0	NR
410	37	NR	540	525	NR	670	102	NR	800	2	NR	930	0	NR
415	65	NR	545	541	NR	675	88	NR	805	2	NR	935	0	NR
420	114	NR	550	555	NR	680	76	NR	810	2	NR	940	0	NR
425	191	NR	555	568	NR	685	65	NR	815	1	NR	945	0	NR
430	299	NR	560	582	NR	690	56	NR	820	1	NR	950	0	NR
435	445	NR	565	589	NR	695	48	NR	825	1	NR	955	0	NR
440	633	NR	570	597	NR	700	41	NR	830	1	NR	960	0	NR
445	878	NR	575	595	NR	705	35	NR	835	1	NR	965	0	NR
450	989	NR	580	592	NR	710	30	NR	840	1	NR	970	0	NR
455	770	NR	585	578	NR	715	26	NR	845	1	NR	975	0	NR
460	528	NR	590	561	NR	720	22	NR	850	1	NR	980	0	NR
465	403	NR	595	537	NR	725	19	NR	855	1	NR	985	0	NR
470	296	NR	600	508	NR	730	16	NR	860	0	NR	990	0	NR
475	232	NR	605	476	NR	735	14	NR	865	0	NR	995	0	NR
480	219	NR	610	441	NR	740	12	NR	870	0	NR	1000	0	NR
485	230	NR	615	405	NR	745	10	NR	875	0	NR			

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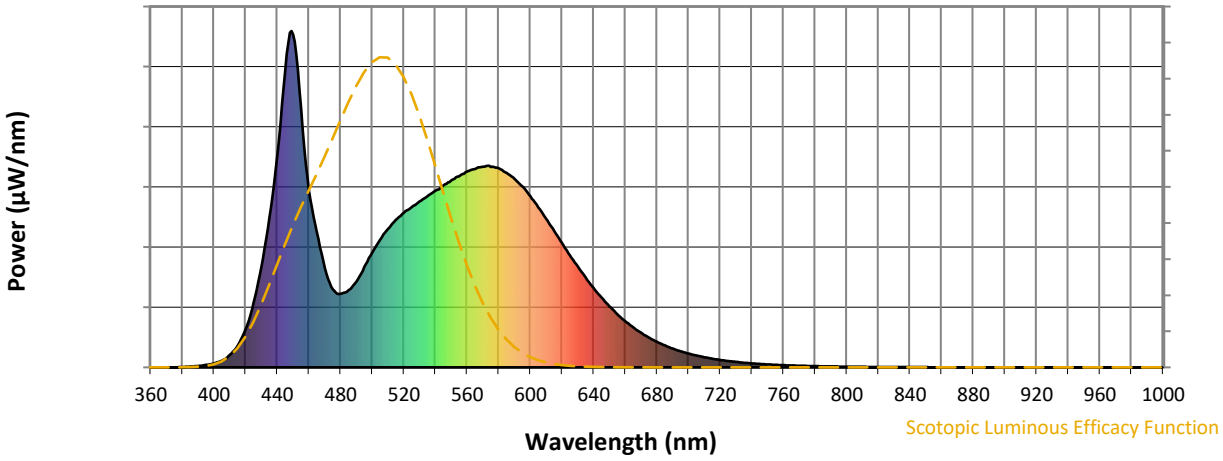
Scotopic Flux vs. Wavelength



Scotopic Lumens: NR **S/P: 2.03**

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	255	NR	620	370	NR	750	9	NR	880	0	NR
365	0	NR	495	298	NR	625	333	NR	755	8	NR	885	0	NR
370	0	NR	500	340	NR	630	300	NR	760	7	NR	890	0	NR
375	0	NR	505	380	NR	635	267	NR	765	6	NR	895	0	NR
380	1	NR	510	412	NR	640	236	NR	770	5	NR	900	0	NR
385	2	NR	515	439	NR	645	208	NR	775	4	NR	905	0	NR
390	4	NR	520	459	NR	650	181	NR	780	4	NR	910	0	NR
395	7	NR	525	477	NR	655	158	NR	785	3	NR	915	0	NR
400	12	NR	530	494	NR	660	137	NR	790	3	NR	920	0	NR
405	20	NR	535	509	NR	665	119	NR	795	2	NR	925	0	NR
410	37	NR	540	525	NR	670	102	NR	800	2	NR	930	0	NR
415	65	NR	545	541	NR	675	88	NR	805	2	NR	935	0	NR
420	114	NR	550	555	NR	680	76	NR	810	2	NR	940	0	NR
425	191	NR	555	568	NR	685	65	NR	815	1	NR	945	0	NR
430	299	NR	560	582	NR	690	56	NR	820	1	NR	950	0	NR
435	445	NR	565	589	NR	695	48	NR	825	1	NR	955	0	NR
440	633	NR	570	597	NR	700	41	NR	830	1	NR	960	0	NR
445	878	NR	575	595	NR	705	35	NR	835	1	NR	965	0	NR
450	989	NR	580	592	NR	710	30	NR	840	1	NR	970	0	NR
455	770	NR	585	578	NR	715	26	NR	845	1	NR	975	0	NR
460	528	NR	590	561	NR	720	22	NR	850	1	NR	980	0	NR
465	403	NR	595	537	NR	725	19	NR	855	1	NR	985	0	NR
470	296	NR	600	508	NR	730	16	NR	860	0	NR	990	0	NR
475	232	NR	605	476	NR	735	14	NR	865	0	NR	995	0	NR
480	219	NR	610	441	NR	740	12	NR	870	0	NR	1000	0	NR
485	230	NR	615	405	NR	745	10	NR	875	0	NR			

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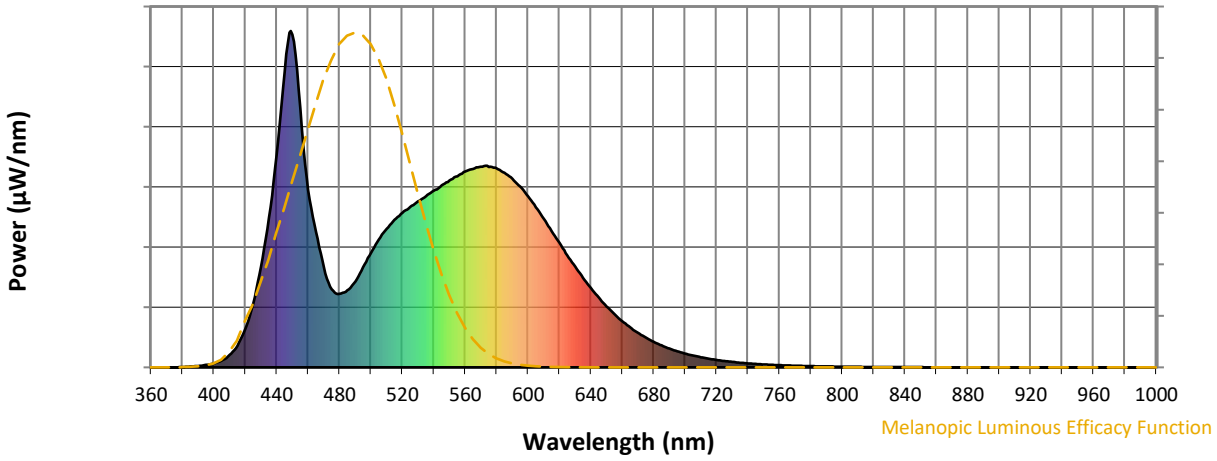
Melanopic Flux vs. Wavelength



Melanopic Lumens: NR **M/P: 4.34**

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	255	NR	620	370	NR	750	9	NR	880	0	NR
365	0	NR	495	298	NR	625	333	NR	755	8	NR	885	0	NR
370	0	NR	500	340	NR	630	300	NR	760	7	NR	890	0	NR
375	0	NR	505	380	NR	635	267	NR	765	6	NR	895	0	NR
380	1	NR	510	412	NR	640	236	NR	770	5	NR	900	0	NR
385	2	NR	515	439	NR	645	208	NR	775	4	NR	905	0	NR
390	4	NR	520	459	NR	650	181	NR	780	4	NR	910	0	NR
395	7	NR	525	477	NR	655	158	NR	785	3	NR	915	0	NR
400	12	NR	530	494	NR	660	137	NR	790	3	NR	920	0	NR
405	20	NR	535	509	NR	665	119	NR	795	2	NR	925	0	NR
410	37	NR	540	525	NR	670	102	NR	800	2	NR	930	0	NR
415	65	NR	545	541	NR	675	88	NR	805	2	NR	935	0	NR
420	114	NR	550	555	NR	680	76	NR	810	2	NR	940	0	NR
425	191	NR	555	568	NR	685	65	NR	815	1	NR	945	0	NR
430	299	NR	560	582	NR	690	56	NR	820	1	NR	950	0	NR
435	445	NR	565	589	NR	695	48	NR	825	1	NR	955	0	NR
440	633	NR	570	597	NR	700	41	NR	830	1	NR	960	0	NR
445	878	NR	575	595	NR	705	35	NR	835	1	NR	965	0	NR
450	989	NR	580	592	NR	710	30	NR	840	1	NR	970	0	NR
455	770	NR	585	578	NR	715	26	NR	845	1	NR	975	0	NR
460	528	NR	590	561	NR	720	22	NR	850	1	NR	980	0	NR
465	403	NR	595	537	NR	725	19	NR	855	1	NR	985	0	NR
470	296	NR	600	508	NR	730	16	NR	860	0	NR	990	0	NR
475	232	NR	605	476	NR	735	14	NR	865	0	NR	995	0	NR
480	219	NR	610	441	NR	740	12	NR	870	0	NR	1000	0	NR
485	230	NR	615	405	NR	745	10	NR	875	0	NR			

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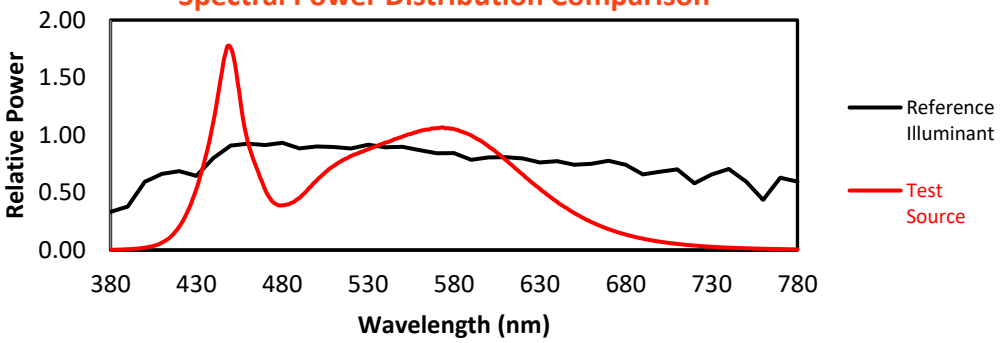
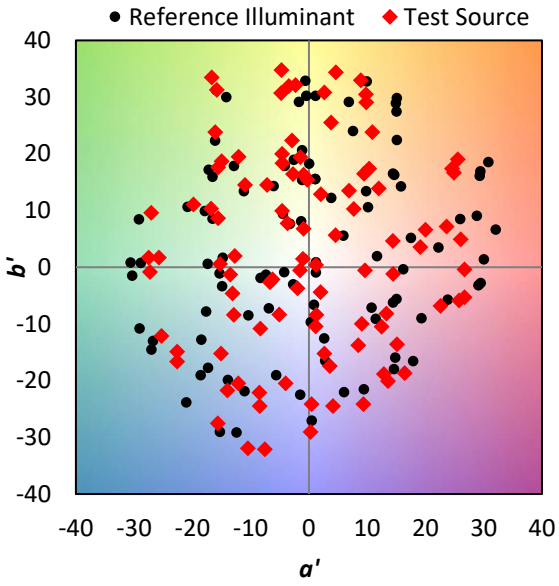
Summary

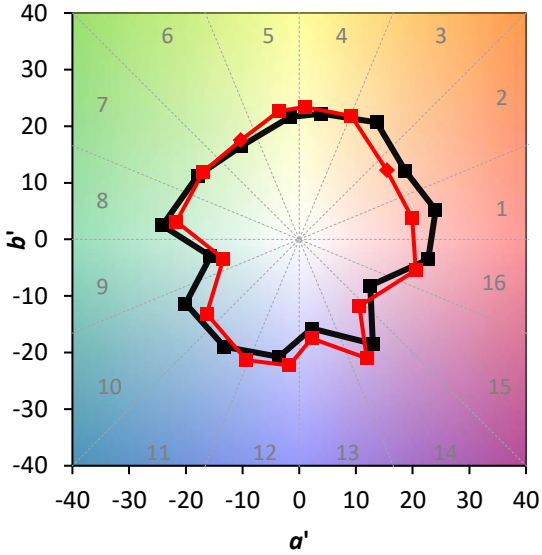
R_f = 78
R_g = 93.6
CIE R_a = 76.1
R_9 = -29.6

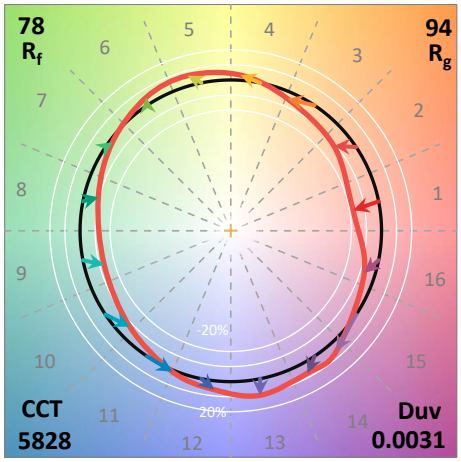
Spectral Power Distribution Comparison

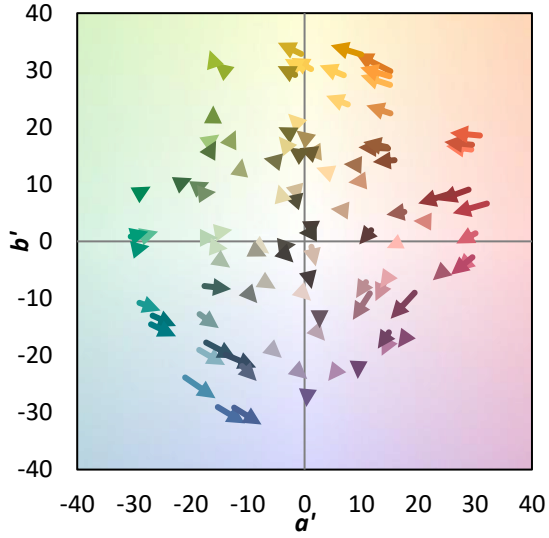


Color Vector Graphics









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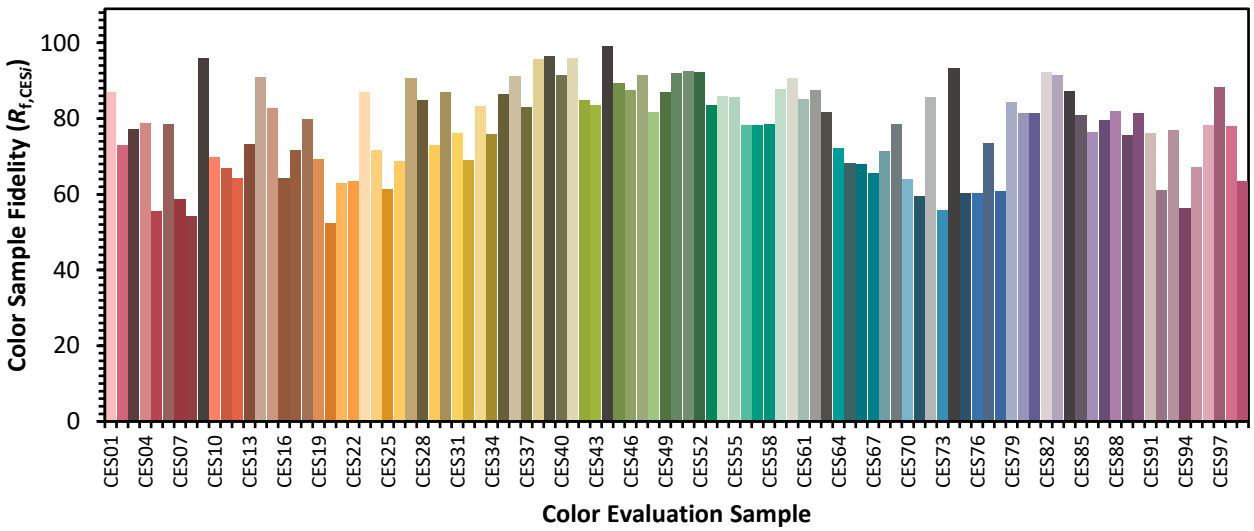
Individual Sample Fidelity Index ($R_{f,i}$)

CES01 = 85	CES26 = 69	CES51 = 92	CES76 = 60
CES02 = 59	CES27 = 91	CES52 = 92	CES77 = 73
CES03 = 30	CES28 = 85	CES53 = 84	CES78 = 61
CES04 = 68	CES29 = 73	CES54 = 86	CES79 = 84
CES05 = 45	CES30 = 87	CES55 = 86	CES80 = 82
CES06 = 50	CES31 = 76	CES56 = 78	CES81 = 81
CES07 = 38	CES32 = 69	CES57 = 78	CES82 = 92
CES08 = 37	CES33 = 83	CES58 = 79	CES83 = 92
CES09 = 29	CES34 = 76	CES59 = 88	CES84 = 87
CES10 = 72	CES35 = 87	CES60 = 91	CES85 = 81
CES11 = 55	CES36 = 91	CES61 = 85	CES86 = 76
CES12 = 61	CES37 = 83	CES62 = 88	CES87 = 80
CES13 = 41	CES38 = 96	CES63 = 82	CES88 = 82
CES14 = 74	CES39 = 96	CES64 = 72	CES89 = 76
CES15 = 70	CES40 = 92	CES65 = 68	CES90 = 81
CES16 = 45	CES41 = 96	CES66 = 68	CES91 = 76
CES17 = 48	CES42 = 85	CES67 = 65	CES92 = 61
CES18 = 55	CES43 = 83	CES68 = 71	CES93 = 77
CES19 = 70	CES44 = 99	CES69 = 78	CES94 = 56
CES20 = 63	CES45 = 89	CES70 = 64	CES95 = 67
CES21 = 85	CES46 = 88	CES71 = 59	CES96 = 78
CES22 = 77	CES47 = 91	CES72 = 86	CES97 = 88
CES23 = 91	CES48 = 82	CES73 = 56	CES98 = 78
CES24 = 90	CES49 = 87	CES74 = 93	CES99 = 64
CES25 = 71	CES50 = 92	CES75 = 60	



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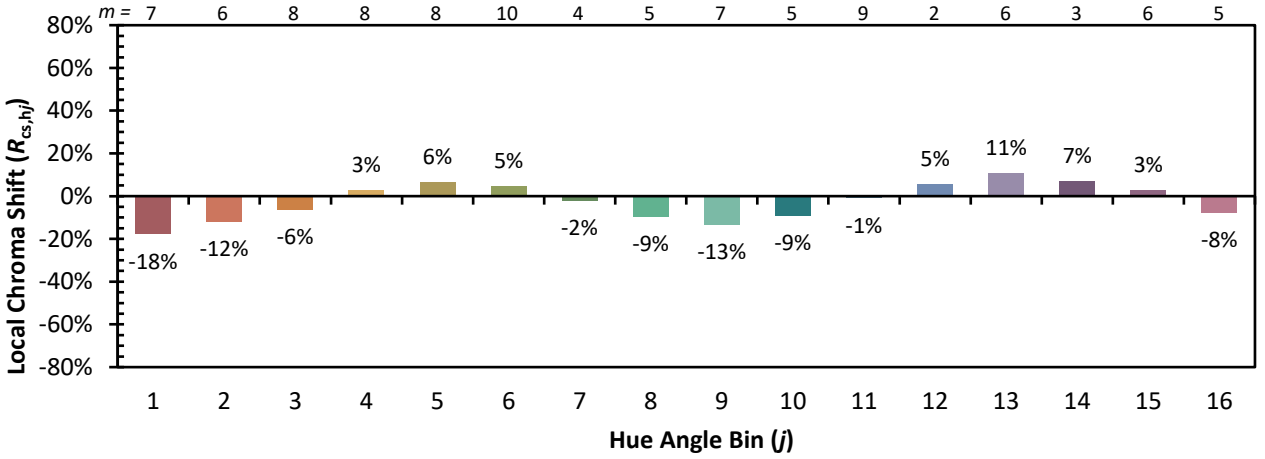
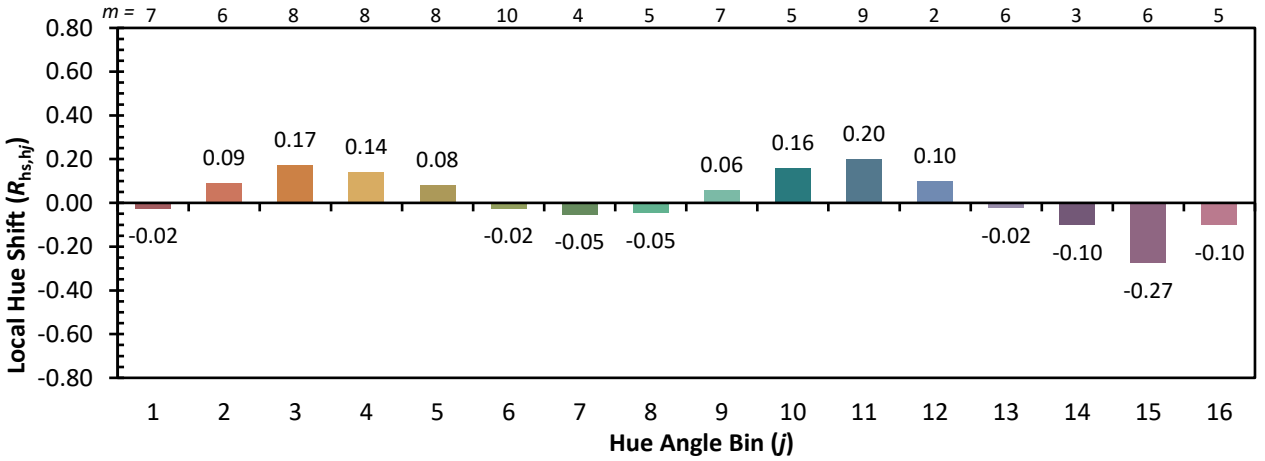
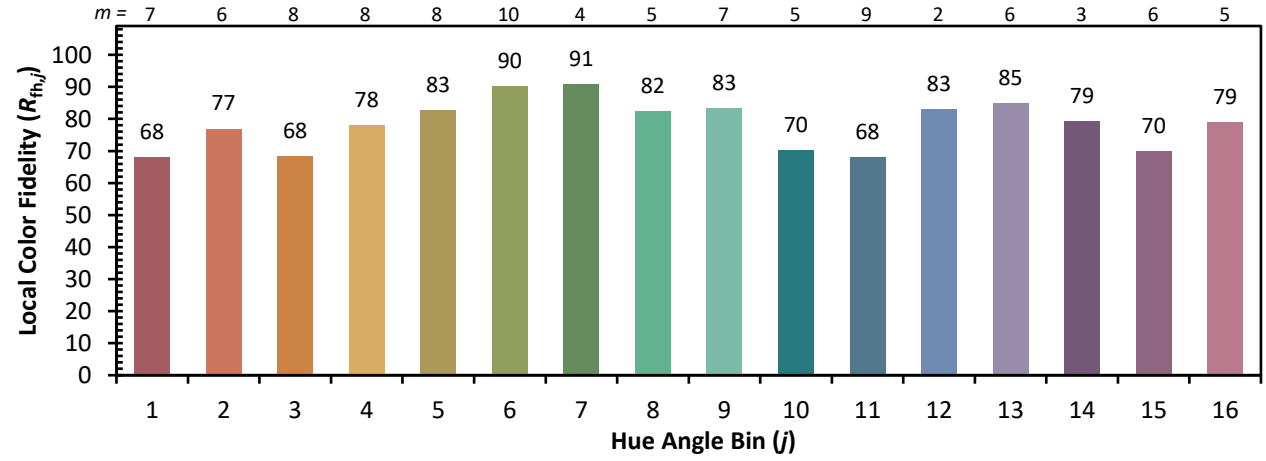
Color Rendition by Hue-Angle Bin







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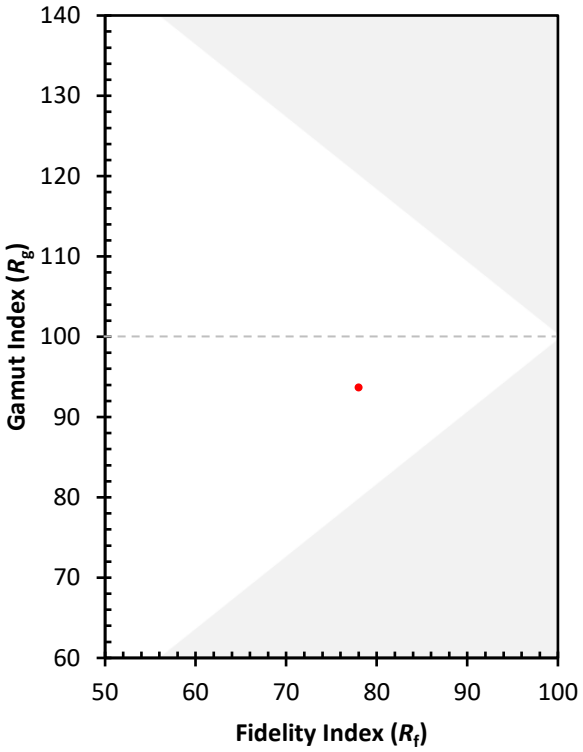
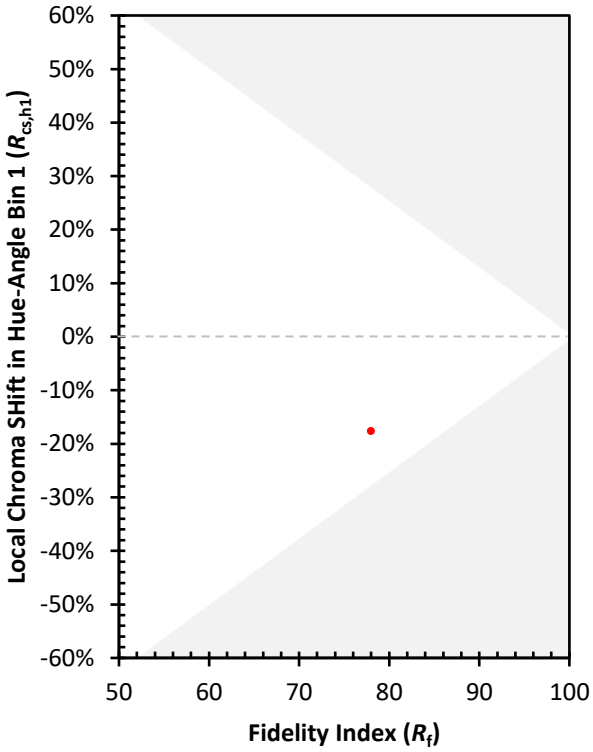
Measure Comparisons





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