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: P980960

Luminaire Tested: **NFFLD-L-C100-7030-66**

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:	P980960
Test Lab:	INNOVATION CENTER(G2)
Issue Date:	04/10/2025
Manufacturer:	COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line:	LUMARK
Catalog Number:	NFFLD-L-C100-7030-66
Description:	LUMARK NIGHT FALCON LARGE SIZE 250W 70CRI 3000K LED FIXTURE NEMA 6
Light Source:	(4) 3000K CCT, 70 CRI LEDS
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	39819.4 lumens
Efficiency:	N/A
Efficacy:	157.4 lumens/watt
Luminous Opening:	Rectangular (W 1' x L: 0.67' x H: 0')
IES Classification:	Type I - Short
BUG Rating:	B5 - U0 - G2

Input Watts (W):	253
Input Voltage (V):	120
Input Current (Ain):	NR
Voltage Rise (V):	NR
Power Factor:	0.99
Total Harmonic Distortion (THDi):	3.35%
Frequency (hertz):	60
Stabilization Time:	NR
Operation Time:	NR
Ambient Temperature (°C):	NR
Test Distance:	28.75 FT

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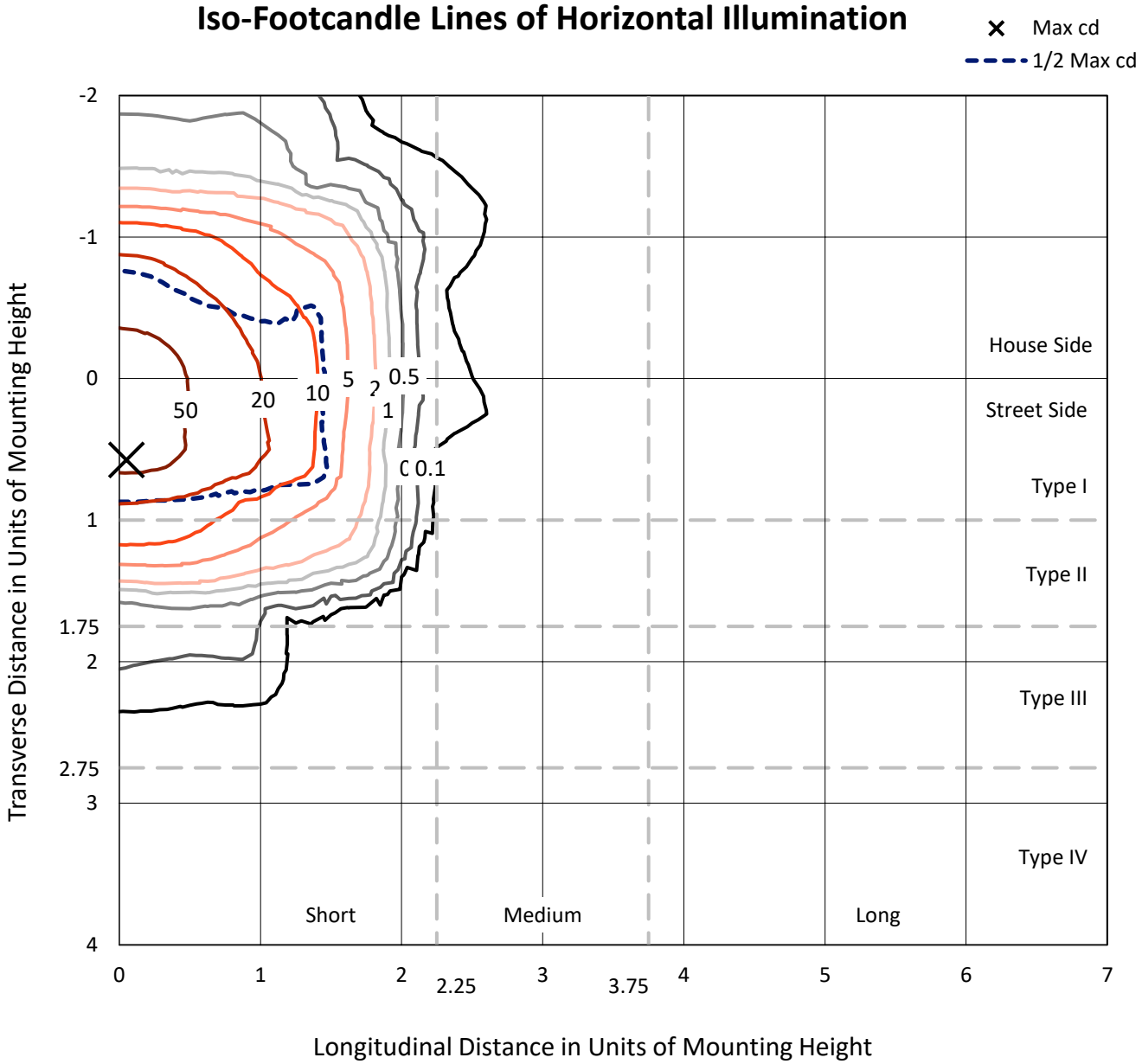
REPORT NUMBER: P980960
CATALOG NUMBER: NFFLD-L-C100-7030-66

Iso-Footcandle Lines of Horizontal Illumination



Based on 15 foot mounting height. Maximum calculated value = 74 fc
Type I - Short - N/A

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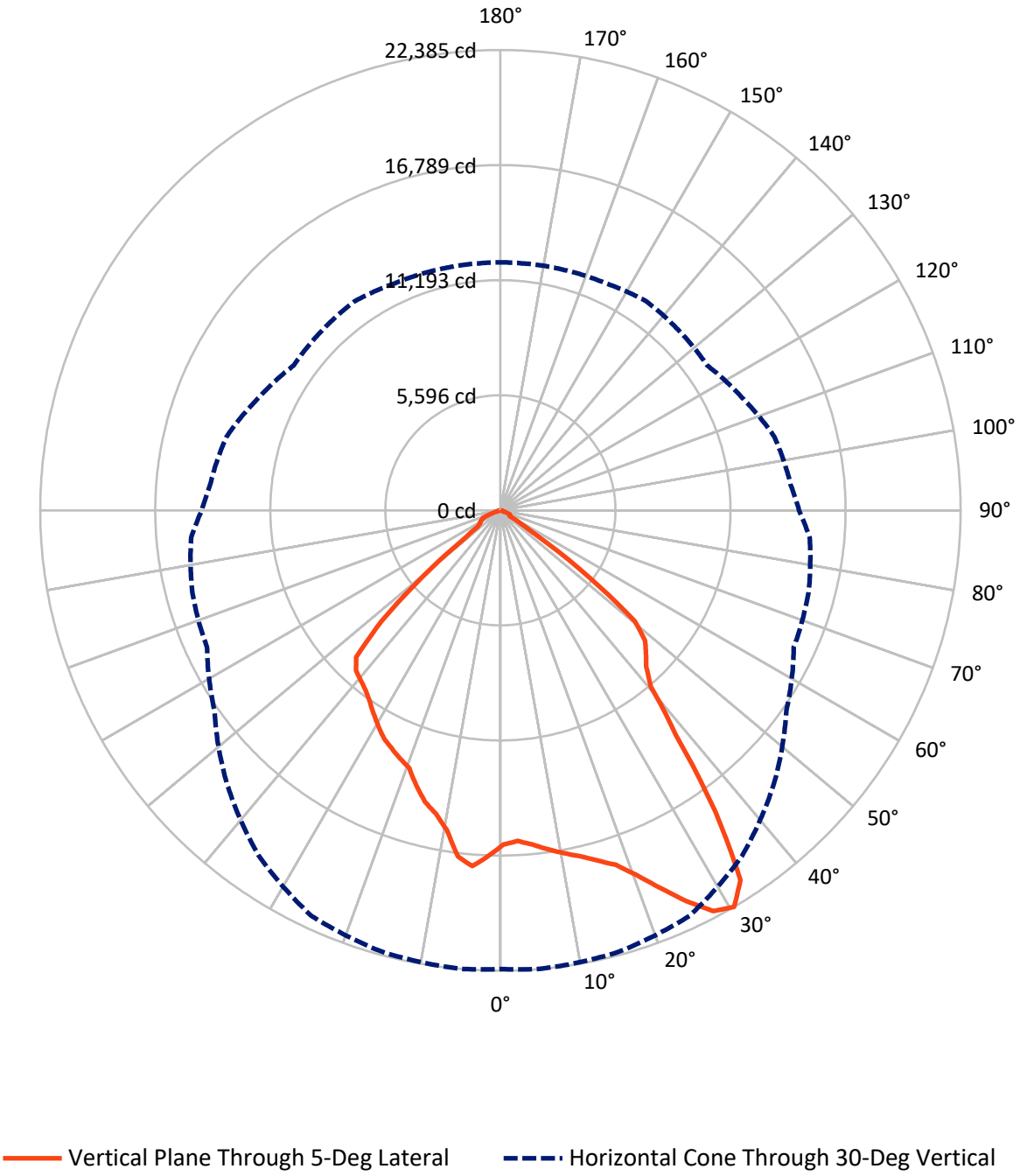
Luminous Intensity Polar Plot



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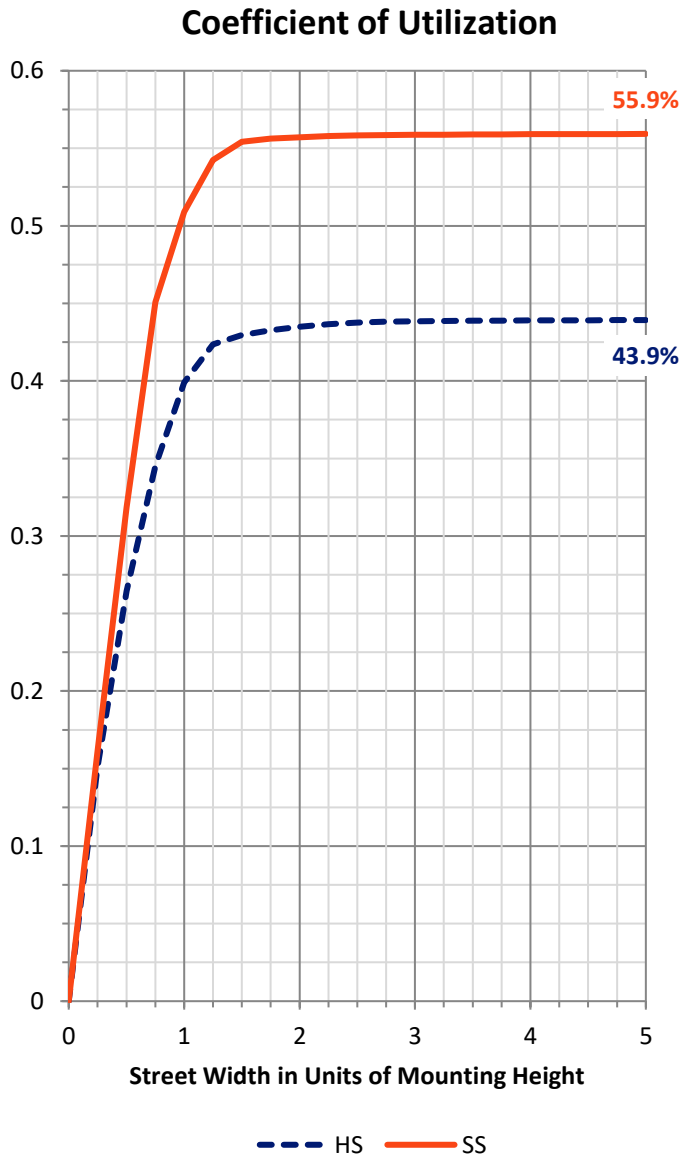
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	17611.7	0.0	17611.7
	% Fixture	44.2	0.0	44.2
Street Side	Lumens	22207.7	0.0	22207.7
	% Fixture	55.8	0.0	55.8
Total	Lumens	39819.4	0.0	39819.4
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1589.9	4.0
10°-20°	4605.7	11.6
20°-30°	7339.6	18.4
30°-40°	9175.7	23.0
40°-50°	9004.5	22.6
50°-60°	6437.6	16.2
60°-70°	1424.3	3.6
70°-80°	218.8	0.5
80°-90°	23.2	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°	39819.4	100.0
0°-180°	39819.4	100.0



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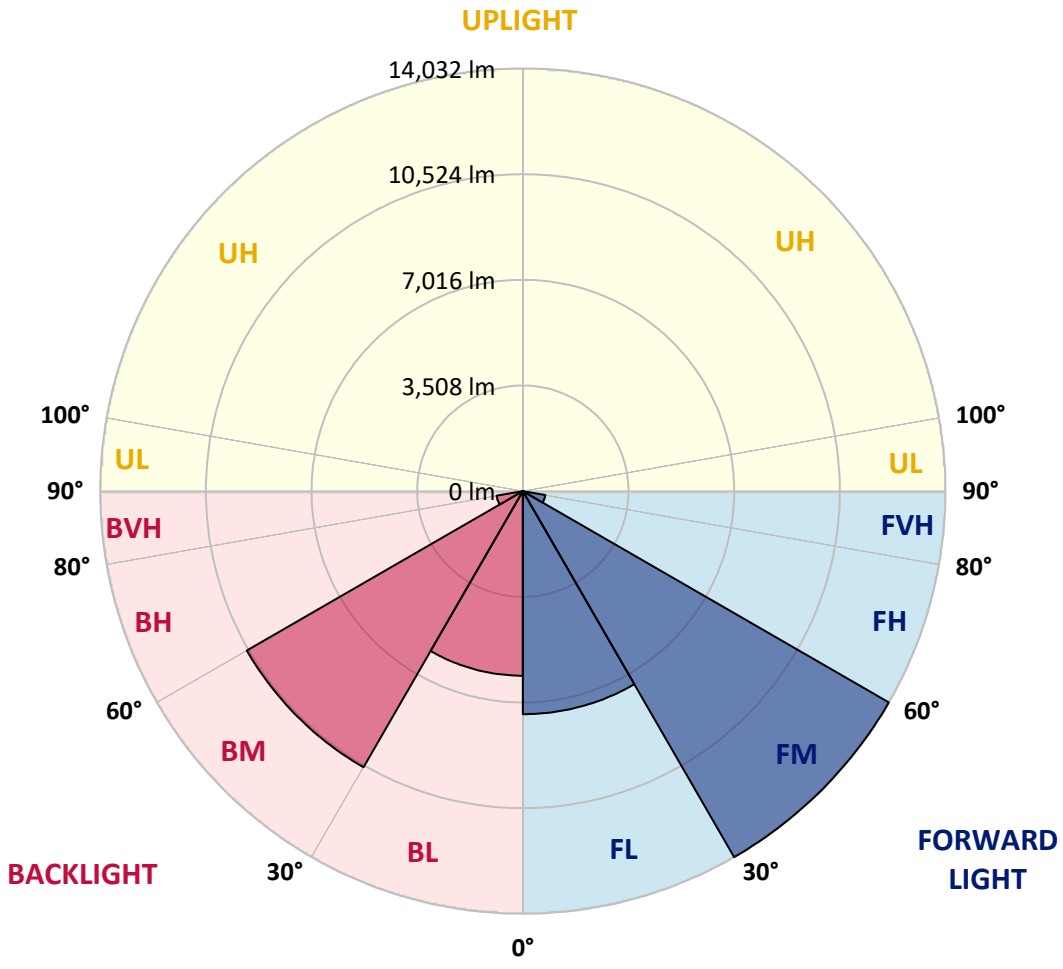
LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	7406.0	18.6			
FM	(30°-60°)	14032.3	35.2			
FH	(60°-80°)	757.6	1.9			G1/1800
FVH	(80°-90°)	11.7	0.0			G1/100
BL	(0°-30°)	6129.2	15.4	B5		
BM	(30°-60°)	10585.5	26.6	B5		
BH	(60°-80°)	885.6	2.2	B2/1000		G2/1000
BVH	(80°-90°)	11.5	0.0			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B5-U0-G2
Type I Short



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REPORT NUMBER: P980960
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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	16252.9	16252.9	16252.9	16252.9	16252.9	16252.9	16252.9	16252.9	16252.9	16252.9	16252.9
2.5°	16071.0	16097.0	16123.0	16161.9	16213.9	16239.9	16213.9	16187.9	16174.9	16200.9	16213.9
5°	16291.9	16330.8	16343.8	16369.8	16395.8	16369.8	16356.8	16330.8	16317.8	16330.8	16369.8
7.5°	16616.7	16642.6	16629.6	16616.7	16603.7	16512.7	16421.8	16382.8	16382.8	16421.8	16525.7
10°	16902.5	16954.4	16889.5	16837.5	16746.6	16603.7	16447.8	16356.8	16382.8	16460.7	16590.7
12.5°	17266.2	17266.2	17201.3	17149.3	16941.4	16772.6	16564.7	16421.8	16421.8	16564.7	16707.6
15°	17708.0	17669.0	17643.0	17500.1	17253.3	16980.4	16720.6	16512.7	16473.7	16694.6	16785.5
17.5°	18266.6	18123.7	18058.8	17811.9	17474.1	17123.3	16772.6	16603.7	16486.7	16720.6	16616.7
20°	19033.1	18929.2	18721.3	18331.6	17643.0	17188.3	16772.6	16551.7	16460.7	16590.7	16486.7
22.5°	20020.5	19955.6	19487.9	18994.2	18084.7	17240.3	16707.6	16408.8	16382.8	16317.8	16097.0
25°	21228.8	21059.9	20579.2	19877.6	18747.3	17746.9	16694.6	16148.9	16058.0	15889.1	15499.3
27.5°	22255.1	22073.3	21488.6	20865.0	19656.8	18500.5	16798.5	15837.1	15733.2	15616.3	15135.6
30°	22307.1	22385.1	22229.2	21761.4	20501.2	18812.3	16980.4	15746.2	15512.3	15096.6	14525.0
32.5°	21254.8	21436.6	21813.4	21982.3	21137.8	19189.0	17136.3	15785.2	15356.4	14356.1	13888.4
35°	17656.0	18019.8	19565.8	21020.9	21319.7	19734.7	17266.2	15785.2	15304.5	13823.4	13459.6
37.5°	13563.6	13862.4	15174.5	17811.9	20514.2	20072.5	17552.1	15694.2	15239.5	13862.4	13368.7
40°	11082.1	11251.0	11822.6	13615.5	17682.0	19513.8	17837.9	15798.2	15044.6	13888.4	13420.6
42.5°	10406.5	10393.5	10276.6	10939.2	13485.6	17876.9	18032.8	16058.0	14719.8	13719.5	13329.7
45°	9951.8	9925.8	9821.9	9951.8	10666.4	14628.9	17889.9	16525.7	14317.1	13121.8	12862.0
47.5°	9458.1	9471.1	9432.1	9484.1	9354.2	11108.1	17084.4	16720.6	13628.5	12121.5	12030.5
50°	8275.8	8470.7	8990.4	9042.4	8704.6	8964.4	14628.9	16629.6	13134.8	11835.6	11757.7
52.5°	5144.8	5456.6	6989.6	8288.8	8094.0	8094.0	11160.0	16759.6	12251.4	11731.7	11783.7
55°	1818.9	2052.7	3741.7	5703.4	7249.5	7392.4	8821.5	14914.7	12147.4	11913.6	11965.5
57.5°	454.7	558.7	1143.3	2468.5	4885.0	6703.8	7886.1	12316.3	9224.3	8899.5	9029.4
60°	532.7	519.7	714.6	792.5	1896.8	5300.7	7106.6	8314.8	5950.3	5573.5	5638.5
62.5°	571.6	532.7	558.7	701.6	311.8	2598.4	5664.5	4949.9	2455.5	1818.9	1922.8
65°	506.7	480.7	441.7	649.6	220.9	480.7	3338.9	1455.1	350.8	558.7	506.7
67.5°	337.8	350.8	363.8	519.7	207.9	207.9	441.7	363.8	246.8	506.7	441.7
70°	194.9	207.9	246.8	311.8	207.9	168.9	194.9	298.8	207.9	506.7	441.7
72.5°	116.9	116.9	116.9	129.9	207.9	142.9	129.9	246.8	181.9	467.7	441.7
75°	90.9	90.9	90.9	78.0	181.9	90.9	90.9	194.9	155.9	337.8	337.8
77.5°	78.0	78.0	78.0	65.0	103.9	78.0	78.0	142.9	142.9	168.9	194.9
80°	52.0	52.0	52.0	52.0	65.0	65.0	52.0	78.0	65.0	78.0	90.9
82.5°	26.0	39.0	39.0	26.0	39.0	39.0	39.0	52.0	39.0	52.0	52.0
85°	13.0	13.0	13.0	13.0	13.0	13.0	13.0	26.0	13.0	13.0	26.0
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: P980960
CATALOG NUMBER: NFFLD-L-C100-7030-66

CANDELA DISTRIBUTION (continued):

	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	16252.9	16252.9	16252.9	16252.9	16252.9	16252.9	16252.9	16252.9	16252.9	16252.9
2.5°	16239.9	16304.8	16395.8	16538.7	16590.7	16681.6	16759.6	16824.5	16824.5	16798.5
5°	16447.8	16629.6	16876.5	17097.4	17175.3	17266.2	17305.2	17370.2	17357.2	17344.2
7.5°	16629.6	16915.5	17175.3	17331.2	17305.2	17188.3	17110.3	17006.4	16967.4	16993.4
10°	16772.6	17032.4	17149.3	17045.4	16733.6	16460.7	16110.0	15876.1	15759.2	15798.2
12.5°	16824.5	16915.5	16811.5	16239.9	15850.1	15590.3	15304.5	15148.6	15083.6	15096.6
15°	16837.5	16629.6	16058.0	15629.3	15343.4	15018.6	14784.8	14641.9	14641.9	14654.9
17.5°	16564.7	16058.0	15564.3	15239.5	14836.8	14499.0	14369.1	14317.1	13992.3	14044.3
20°	16317.8	15590.3	15317.5	14810.8	14330.1	14109.2	13355.7	13277.7	13290.7	13303.7
22.5°	15798.2	15252.5	15005.7	14343.1	13797.4	13186.8	13082.9	13004.9	13017.9	13017.9
25°	15083.6	14771.8	14434.0	13745.4	13082.9	12965.9	12888.0	12784.0	12732.1	12745.1
27.5°	14680.9	14291.1	13667.5	13082.9	12654.1	12706.1	12615.1	12459.2	12459.2	12472.2
30°	*14174.2*	*13797.4*	*12965.9*	*12277.4*	*12316.3*	*12394.3*	*12173.4*	*12095.5*	*12056.5*	*12056.5*
32.5°	13550.6	13030.9	12303.3	11653.7	11887.6	11861.6	11588.8	11614.8	11640.8	11614.8
35°	13082.9	12407.3	11796.7	11445.9	11354.9	11251.0	11108.1	11199.0	11238.0	11212.0
37.5°	12965.9	12160.4	11523.8	11277.0	10926.2	10731.3	10770.3	10861.2	10913.2	10900.2
40°	12926.9	11913.6	11290.0	11030.1	10562.4	10393.5	10445.5	10627.4	10692.3	10679.3
42.5°	12875.0	11744.7	11147.1	10835.3	10185.7	10068.7	10315.6	10484.5	10497.5	10484.5
45°	12602.2	11562.8	11056.1	10432.5	9614.0	9756.9	10068.7	10159.7	10003.8	9938.8
47.5°	11965.5	11225.0	10783.3	9938.8	9146.3	9419.1	9458.1	8470.7	7899.1	7769.2
50°	11783.7	11238.0	10471.5	9354.2	8860.5	9133.3	7431.4	5677.5	4962.9	4820.0
52.5°	11731.7	11108.1	10588.4	8743.6	8756.5	7704.2	4690.1	2780.3	2234.6	2130.7
55°	11861.6	11679.7	10783.3	8379.8	8145.9	5014.9	2182.6	1312.2	1351.2	1312.2
57.5°	8951.4	9769.9	11017.1	7808.1	5950.3	2416.5	1377.1	1273.2	1182.3	1156.3
60°	5586.5	6366.0	8068.0	6716.8	3053.1	1442.1	1403.1	1182.3	1143.3	1130.3
62.5°	1844.9	2832.2	4625.1	4417.2	844.5	1429.1	1416.1	1052.3	1052.3	1052.3
65°	467.7	480.7	1273.2	1520.1	623.6	1273.2	1351.2	987.4	961.4	1000.4
67.5°	402.7	363.8	675.6	597.6	519.7	883.4	1182.3	948.4	896.4	896.4
70°	402.7	428.7	662.6	558.7	324.8	480.7	857.5	584.6	519.7	480.7
72.5°	376.8	415.7	584.6	506.7	220.9	233.9	376.8	194.9	181.9	155.9
75°	324.8	337.8	454.7	454.7	233.9	116.9	155.9	129.9	129.9	116.9
77.5°	220.9	168.9	259.8	324.8	168.9	78.0	65.0	65.0	65.0	52.0
80°	116.9	65.0	65.0	52.0	65.0	65.0	39.0	52.0	52.0	39.0
82.5°	65.0	39.0	39.0	26.0	26.0	39.0	26.0	26.0	26.0	26.0
85°	26.0	26.0	13.0	13.0	13.0	26.0	13.0	13.0	13.0	13.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	13.0	13.0
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: SP1-2501-319-10

Test Date: 02/05/2025

Luminaire Tested: NFFLD-C55-7030-66

Data in this report applies to families of products including NFFLD-C55-7030-66

Report Generated By FNC07603 / LDUCLS01DT446
Version: v7.04

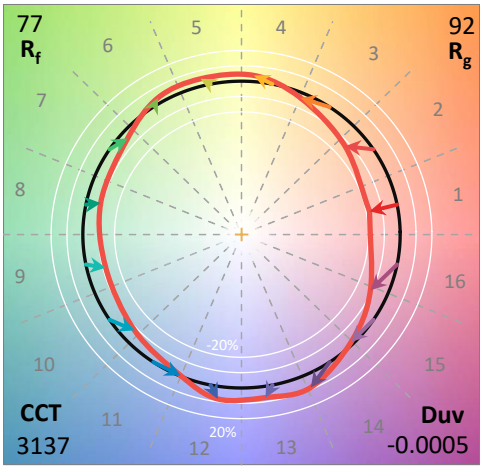
Test Information

Test Method:	LM-79-2019
Report Number:	SP1-2501-319-10
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-C55-7030-66**
Description:	LUMARK NIGHT FALCON 16900LM NEMA 6

Spectral Parameters

CCT (K):	3137	CRI (Ra):	71.4		
CIE u':	0.2461	R1:	67.1	R9:	-42.3
CIE v':	0.5180	R2:	84.2	R10:	65.1
Duv:	-0.0005	R3:	93.4	R11:	60.5
CIE x:	0.4269	R4:	65.5	R12:	58.2
CIE y:	0.3993	R5:	67.7	R13:	70.6
CIE z:	0.1739	R6:	78.9	R14:	96.6
Peak Wavelength (nm):	591	R7:	75.0	R15:	58.2
Dominant Wavelength (nm):	582	R8:	39.1		
Purity:	47.96229				

Rf:	76.5
Rg:	91.7



Test Conditions

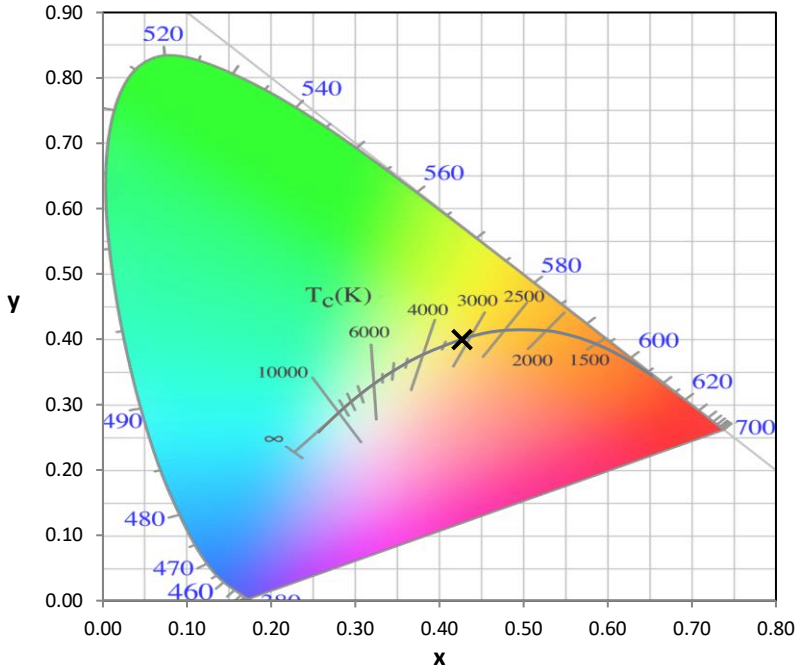
Stabilization Time:	39M
Operation Time:	1H 39M
Sphere Temperature (°C):	25.0

REPORT NUMBER: SP1-2501-319-10

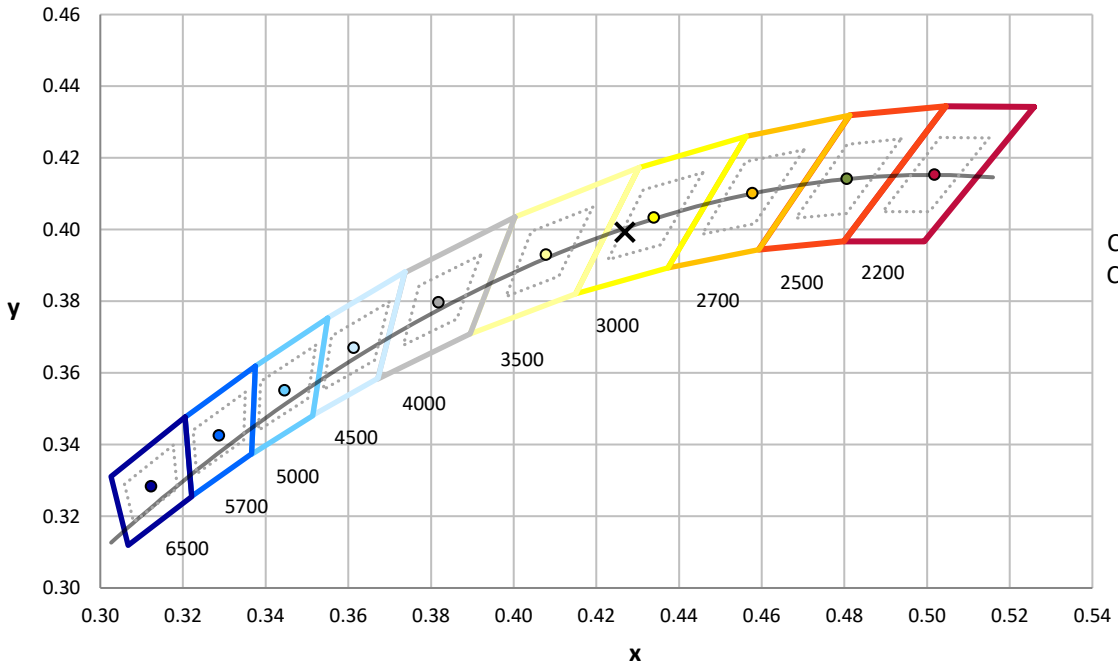
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	12/16/2024	6/16/2025
Power Meter	INXT2011004	1/212025	1/21/2026
AC Power Source	IN0063	10/22/2024	10/22/2025
DC Power Source	IN0208	10/22/2024	10/22/2025
Sphere Thermometer	IN0085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

REPORT NUMBER: SP1-2501-319-10

CIE 1931 Chromaticity Diagram



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

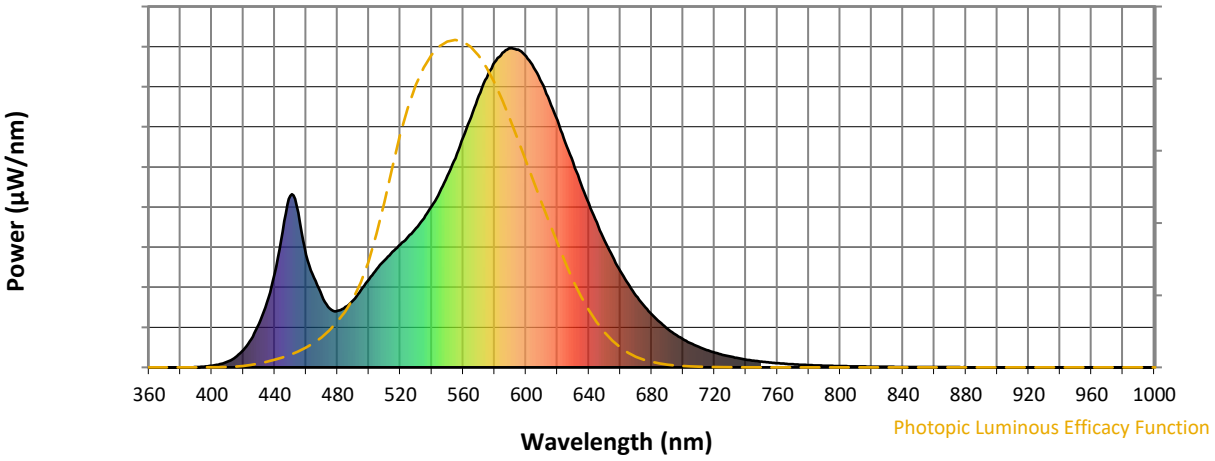


CCT = 3137K
CIE x = 0.4269
CIE y = 0.3993
Duv = -0.0005

Point lies inside the ANSI 3000K 4-step quadrangle

REPORT NUMBER: SP1-2501-319-10

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	211	NR	620	774	NR	750	18	NR	880	1	NR
365	0	NR	495	243	NR	625	705	NR	755	15	NR	885	0	NR
370	0	NR	500	276	NR	630	642	NR	760	13	NR	890	0	NR
375	0	NR	505	308	NR	635	575	NR	765	11	NR	895	0	NR
380	0	NR	510	336	NR	640	513	NR	770	10	NR	900	0	NR
385	0	NR	515	362	NR	645	454	NR	775	8	NR	905	0	NR
390	1	NR	520	385	NR	650	397	NR	780	7	NR	910	0	NR
395	3	NR	525	410	NR	655	348	NR	785	6	NR	915	0	NR
400	5	NR	530	437	NR	660	301	NR	790	5	NR	920	0	NR
405	10	NR	535	468	NR	665	261	NR	795	5	NR	925	0	NR
410	18	NR	540	505	NR	670	225	NR	800	4	NR	930	0	NR
415	32	NR	545	549	NR	675	193	NR	805	3	NR	935	0	NR
420	54	NR	550	600	NR	680	166	NR	810	3	NR	940	0	NR
425	89	NR	555	655	NR	685	142	NR	815	3	NR	945	0	NR
430	137	NR	560	721	NR	690	121	NR	820	2	NR	950	0	NR
435	204	NR	565	784	NR	695	103	NR	825	2	NR	955	0	NR
440	293	NR	570	851	NR	700	88	NR	830	2	NR	960	0	NR
445	425	NR	575	907	NR	705	75	NR	835	1	NR	965	0	NR
450	537	NR	580	956	NR	710	64	NR	840	1	NR	970	0	NR
455	484	NR	585	986	NR	715	54	NR	845	1	NR	975	0	NR
460	353	NR	590	1000	NR	720	46	NR	850	1	NR	980	0	NR
465	281	NR	595	996	NR	725	39	NR	855	1	NR	985	0	NR
470	224	NR	600	974	NR	730	34	NR	860	1	NR	990	0	NR
475	184	NR	605	938	NR	735	29	NR	865	1	NR	995	0	NR
480	177	NR	610	891	NR	740	24	NR	870	1	NR	1000	0	NR
485	189	NR	615	835	NR	745	21	NR	875	1	NR			

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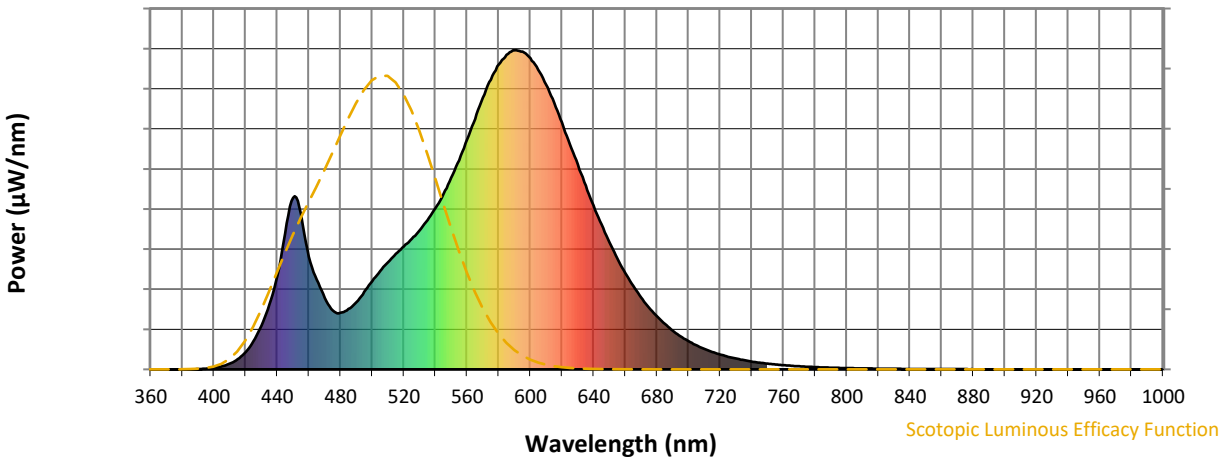
Scotopic Flux vs. Wavelength



Scotopic Lumens: NR **S/P: 1.31**

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	211	NR	620	774	NR	750	18	NR	880	1	NR
365	0	NR	495	243	NR	625	705	NR	755	15	NR	885	0	NR
370	0	NR	500	276	NR	630	642	NR	760	13	NR	890	0	NR
375	0	NR	505	308	NR	635	575	NR	765	11	NR	895	0	NR
380	0	NR	510	336	NR	640	513	NR	770	10	NR	900	0	NR
385	0	NR	515	362	NR	645	454	NR	775	8	NR	905	0	NR
390	1	NR	520	385	NR	650	397	NR	780	7	NR	910	0	NR
395	3	NR	525	410	NR	655	348	NR	785	6	NR	915	0	NR
400	5	NR	530	437	NR	660	301	NR	790	5	NR	920	0	NR
405	10	NR	535	468	NR	665	261	NR	795	5	NR	925	0	NR
410	18	NR	540	505	NR	670	225	NR	800	4	NR	930	0	NR
415	32	NR	545	549	NR	675	193	NR	805	3	NR	935	0	NR
420	54	NR	550	600	NR	680	166	NR	810	3	NR	940	0	NR
425	89	NR	555	655	NR	685	142	NR	815	3	NR	945	0	NR
430	137	NR	560	721	NR	690	121	NR	820	2	NR	950	0	NR
435	204	NR	565	784	NR	695	103	NR	825	2	NR	955	0	NR
440	293	NR	570	851	NR	700	88	NR	830	2	NR	960	0	NR
445	425	NR	575	907	NR	705	75	NR	835	1	NR	965	0	NR
450	537	NR	580	956	NR	710	64	NR	840	1	NR	970	0	NR
455	484	NR	585	986	NR	715	54	NR	845	1	NR	975	0	NR
460	353	NR	590	1000	NR	720	46	NR	850	1	NR	980	0	NR
465	281	NR	595	996	NR	725	39	NR	855	1	NR	985	0	NR
470	224	NR	600	974	NR	730	34	NR	860	1	NR	990	0	NR
475	184	NR	605	938	NR	735	29	NR	865	1	NR	995	0	NR
480	177	NR	610	891	NR	740	24	NR	870	1	NR	1000	0	NR
485	189	NR	615	835	NR	745	21	NR	875	1	NR			

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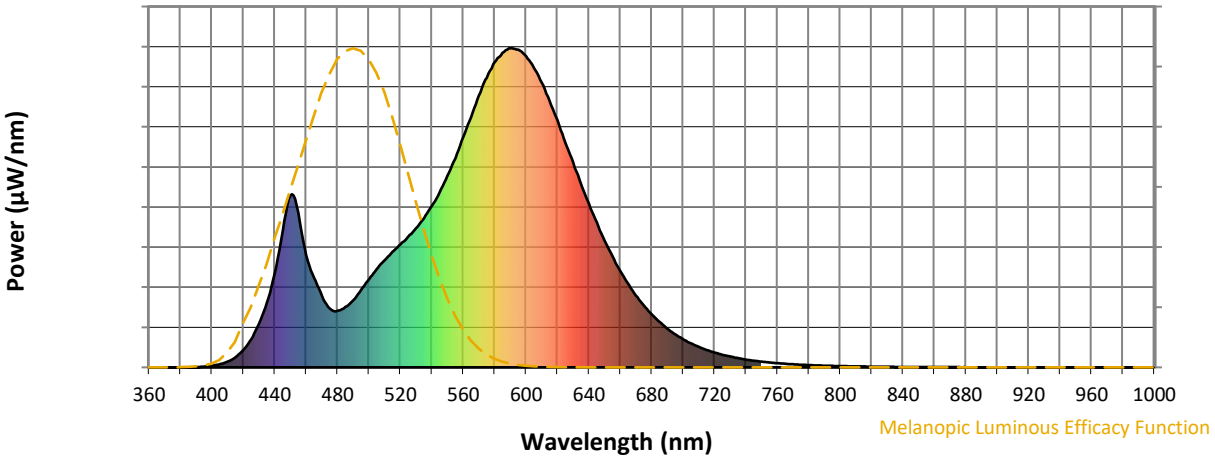
Melanopic Flux vs. Wavelength



Melanopic Lumens: NR **M/P: 2.52**

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	211	NR	620	774	NR	750	18	NR	880	1	NR
365	0	NR	495	243	NR	625	705	NR	755	15	NR	885	0	NR
370	0	NR	500	276	NR	630	642	NR	760	13	NR	890	0	NR
375	0	NR	505	308	NR	635	575	NR	765	11	NR	895	0	NR
380	0	NR	510	336	NR	640	513	NR	770	10	NR	900	0	NR
385	0	NR	515	362	NR	645	454	NR	775	8	NR	905	0	NR
390	1	NR	520	385	NR	650	397	NR	780	7	NR	910	0	NR
395	3	NR	525	410	NR	655	348	NR	785	6	NR	915	0	NR
400	5	NR	530	437	NR	660	301	NR	790	5	NR	920	0	NR
405	10	NR	535	468	NR	665	261	NR	795	5	NR	925	0	NR
410	18	NR	540	505	NR	670	225	NR	800	4	NR	930	0	NR
415	32	NR	545	549	NR	675	193	NR	805	3	NR	935	0	NR
420	54	NR	550	600	NR	680	166	NR	810	3	NR	940	0	NR
425	89	NR	555	655	NR	685	142	NR	815	3	NR	945	0	NR
430	137	NR	560	721	NR	690	121	NR	820	2	NR	950	0	NR
435	204	NR	565	784	NR	695	103	NR	825	2	NR	955	0	NR
440	293	NR	570	851	NR	700	88	NR	830	2	NR	960	0	NR
445	425	NR	575	907	NR	705	75	NR	835	1	NR	965	0	NR
450	537	NR	580	956	NR	710	64	NR	840	1	NR	970	0	NR
455	484	NR	585	986	NR	715	54	NR	845	1	NR	975	0	NR
460	353	NR	590	1000	NR	720	46	NR	850	1	NR	980	0	NR
465	281	NR	595	996	NR	725	39	NR	855	1	NR	985	0	NR
470	224	NR	600	974	NR	730	34	NR	860	1	NR	990	0	NR
475	184	NR	605	938	NR	735	29	NR	865	1	NR	995	0	NR
480	177	NR	610	891	NR	740	24	NR	870	1	NR	1000	0	NR
485	189	NR	615	835	NR	745	21	NR	875	1	NR			

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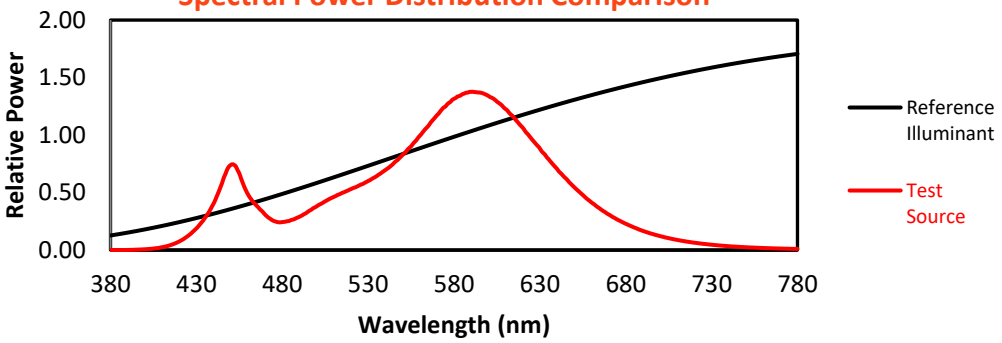
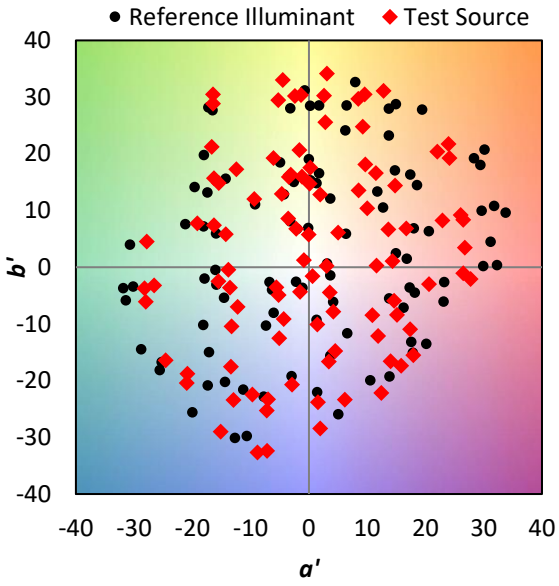
Summary

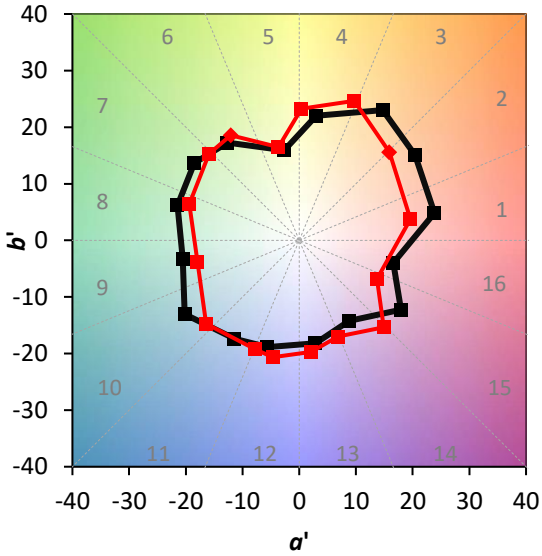
R_f = 76.5
R_g = 91.7
CIE R_a = 71.4
R_9 = -42.3

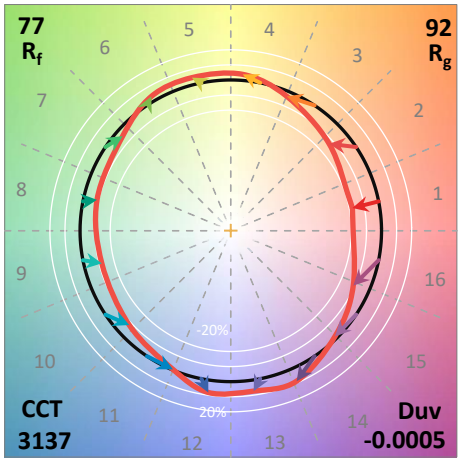
Spectral Power Distribution Comparison

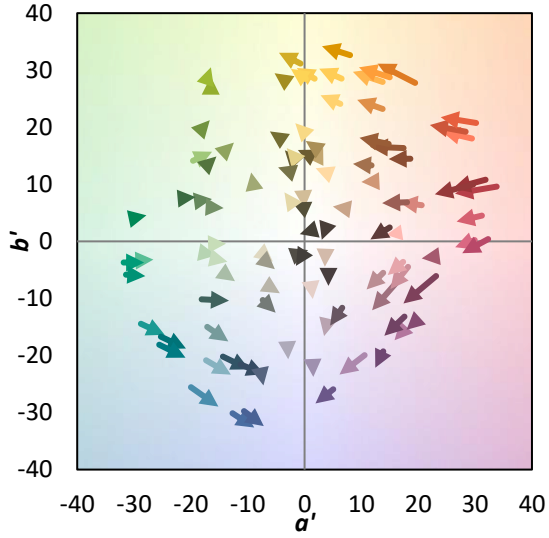


Color Vector Graphics









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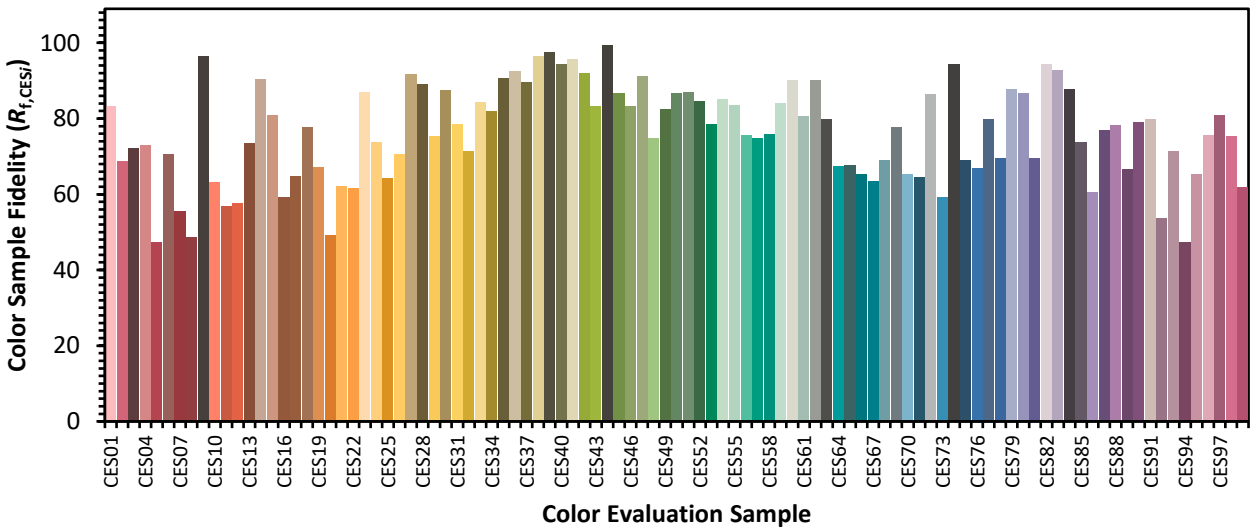
Individual Sample Fidelity Index ($R_{f,i}$)

CES01 = 86	CES26 = 71	CES51 = 87	CES76 = 67
CES02 = 62	CES27 = 92	CES52 = 85	CES77 = 80
CES03 = 31	CES28 = 89	CES53 = 79	CES78 = 70
CES04 = 71	CES29 = 75	CES54 = 85	CES79 = 88
CES05 = 49	CES30 = 88	CES55 = 84	CES80 = 87
CES06 = 51	CES31 = 79	CES56 = 76	CES81 = 70
CES07 = 41	CES32 = 71	CES57 = 75	CES82 = 94
CES08 = 40	CES33 = 84	CES58 = 76	CES83 = 93
CES09 = 29	CES34 = 82	CES59 = 84	CES84 = 88
CES10 = 76	CES35 = 91	CES60 = 90	CES85 = 74
CES11 = 59	CES36 = 92	CES61 = 81	CES86 = 60
CES12 = 65	CES37 = 90	CES62 = 90	CES87 = 77
CES13 = 43	CES38 = 96	CES63 = 80	CES88 = 78
CES14 = 74	CES39 = 98	CES64 = 67	CES89 = 67
CES15 = 71	CES40 = 94	CES65 = 68	CES90 = 79
CES16 = 47	CES41 = 96	CES66 = 65	CES91 = 80
CES17 = 50	CES42 = 92	CES67 = 64	CES92 = 54
CES18 = 56	CES43 = 83	CES68 = 69	CES93 = 71
CES19 = 73	CES44 = 99	CES69 = 78	CES94 = 47
CES20 = 66	CES45 = 87	CES70 = 65	CES95 = 65
CES21 = 87	CES46 = 83	CES71 = 65	CES96 = 76
CES22 = 79	CES47 = 91	CES72 = 87	CES97 = 81
CES23 = 92	CES48 = 75	CES73 = 59	CES98 = 75
CES24 = 91	CES49 = 83	CES74 = 94	CES99 = 62
CES25 = 72	CES50 = 87	CES75 = 69	



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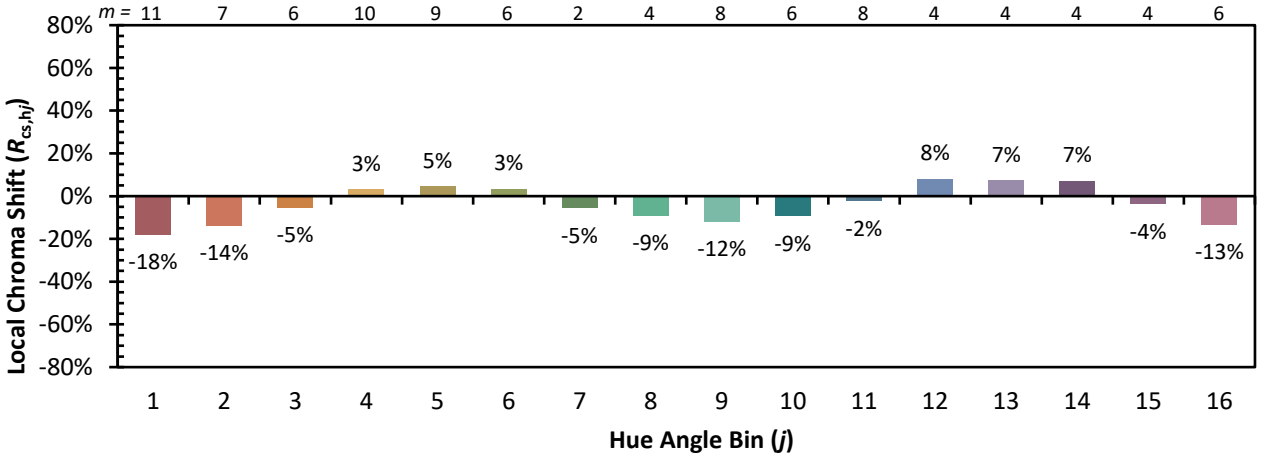
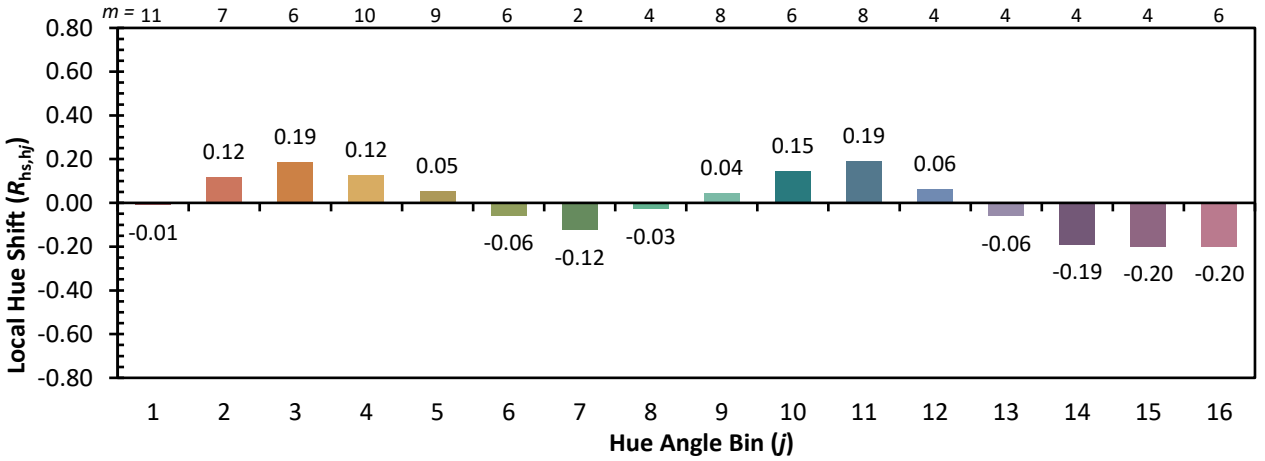
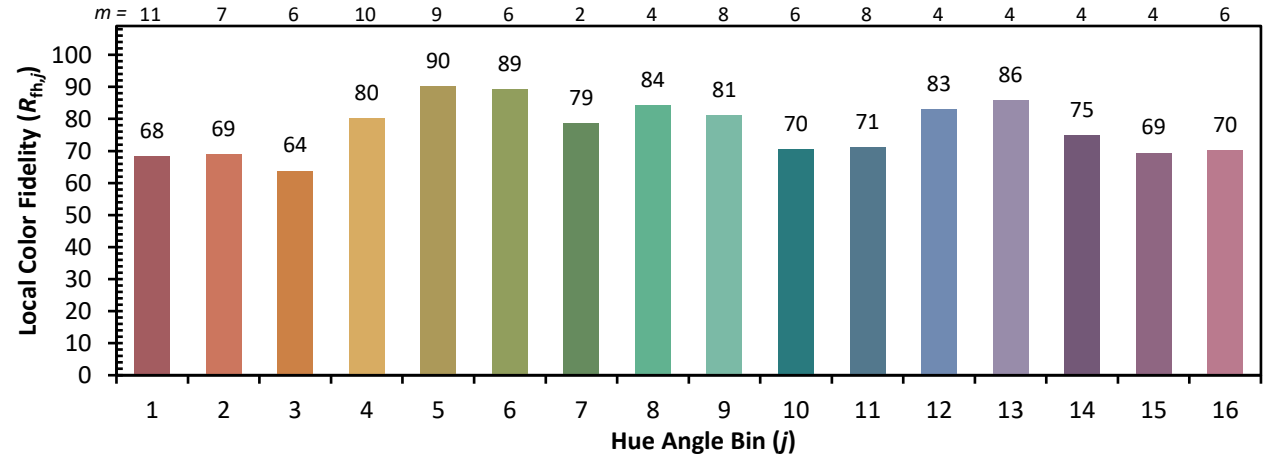
Color Rendition by Hue-Angle Bin







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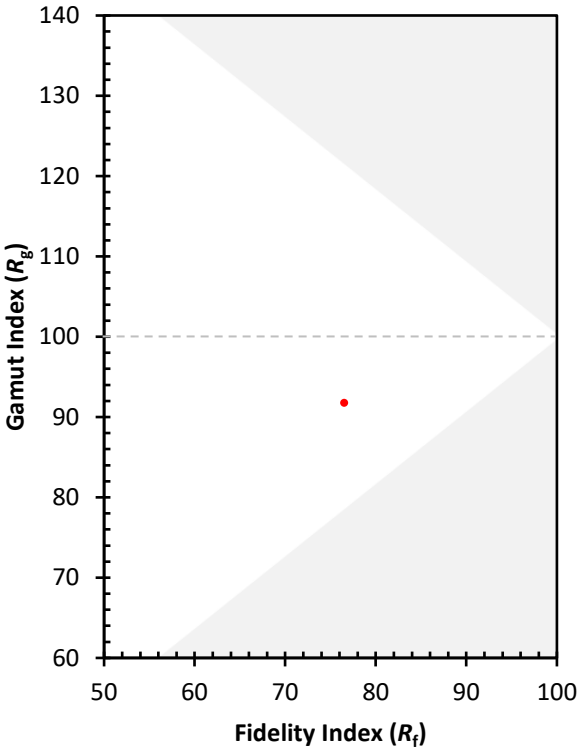
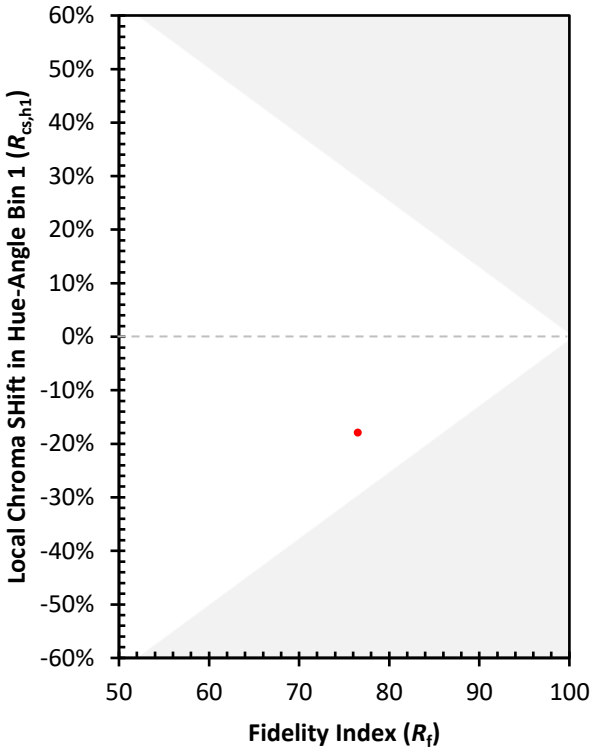
Measure Comparisons





(END OF REPORT)