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: P980949

Luminaire Tested: **NFFLD-L-C100-7027-66**

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:	P980949
Test Lab:	INNOVATION CENTER(G2)
Issue Date:	04/10/2025
Manufacturer:	COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line:	LUMARK
Catalog Number:	NFFLD-L-C100-7027-66
Description:	LUMARK NIGHT FALCON LARGE SIZE 250W 70CRI 2700K LED FIXTURE NEMA 6
Light Source:	(4) 2700K CCT, 70 CRI LEDS
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	38142.7 lumens
Efficiency:	N/A
Efficacy:	150.8 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: P980949
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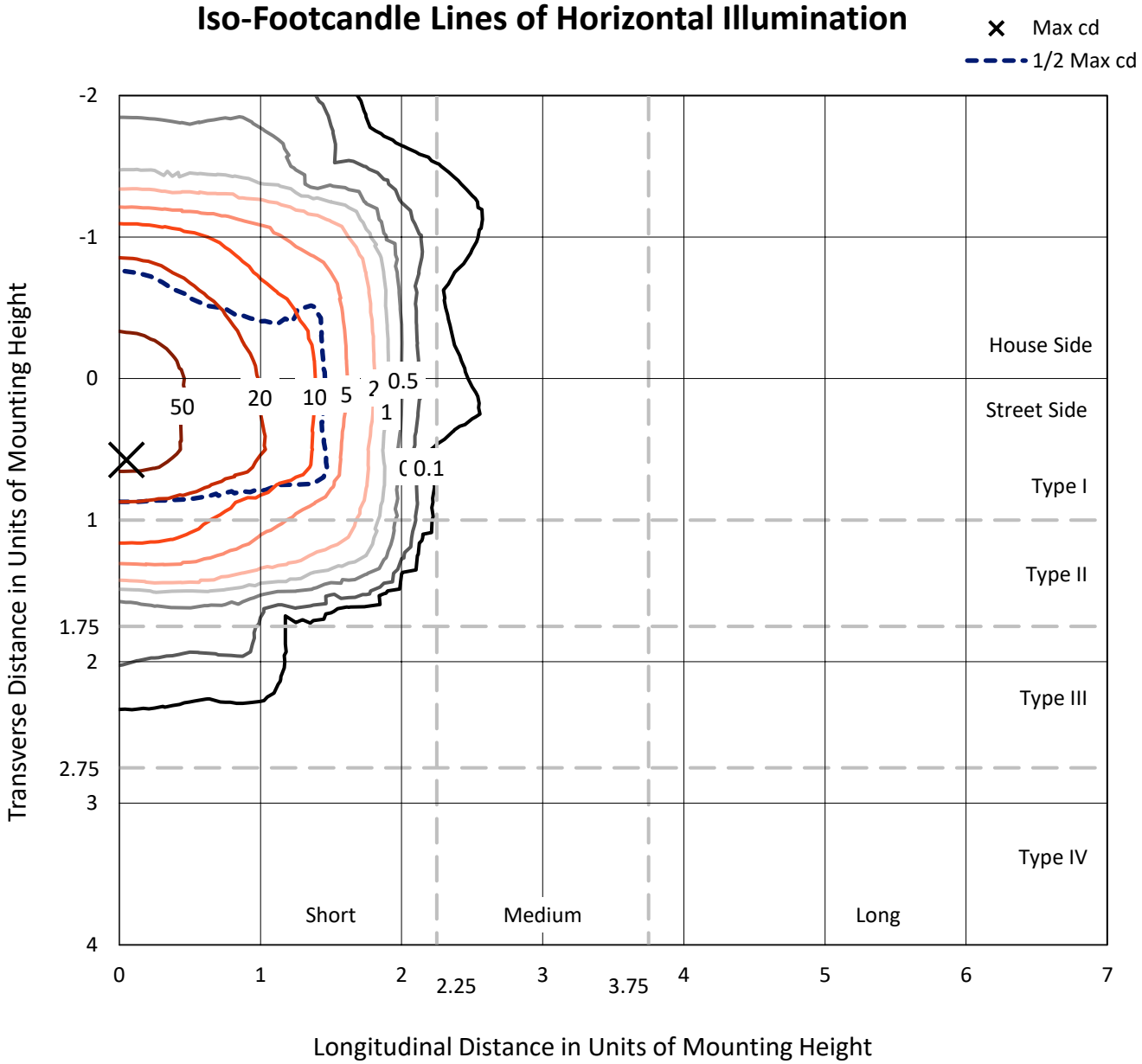
Iso-Footcandle Lines of Horizontal Illumination



Based on 15 foot mounting height. Maximum calculated value = 70.9 fc
Type I - Short - N/A

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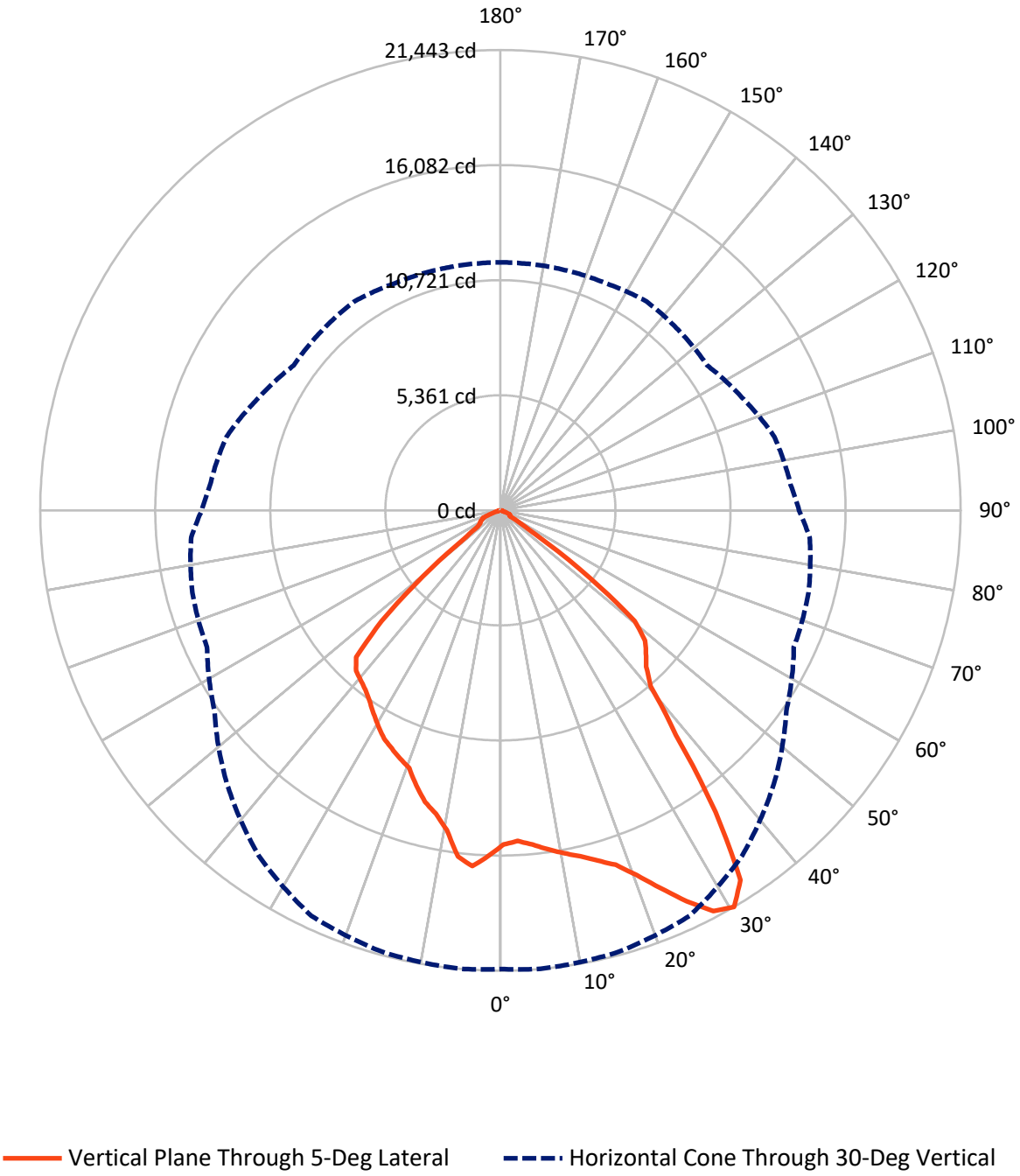
Luminous Intensity Polar Plot



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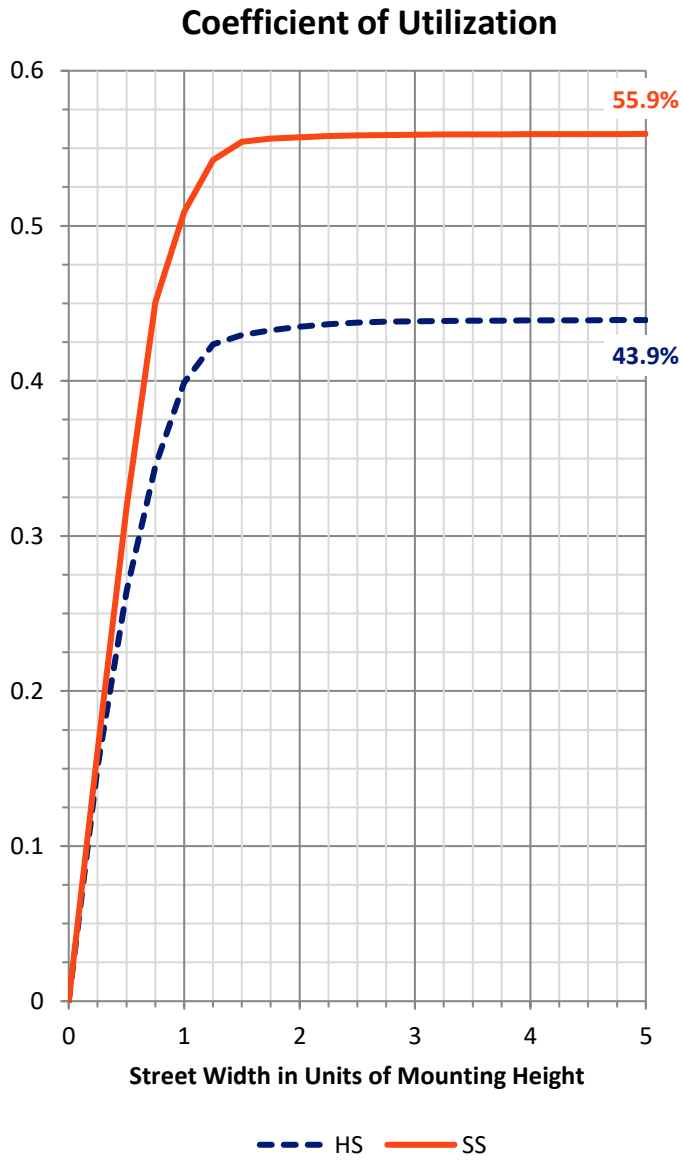
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	16870.2	0.0	16870.2
	% Fixture	44.2	0.0	44.2
Street Side	Lumens	21272.6	0.0	21272.6
	% Fixture	55.8	0.0	55.8
Total	Lumens	38142.7	0.0	38142.7
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1523.0	4.0
10°-20°	4411.8	11.6
20°-30°	7030.6	18.4
30°-40°	8789.4	23.0
40°-50°	8625.3	22.6
50°-60°	6166.6	16.2
60°-70°	1364.4	3.6
70°-80°	209.6	0.5
80°-90°	22.2	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°	38142.7	100.0
0°-180°	38142.7	100.0



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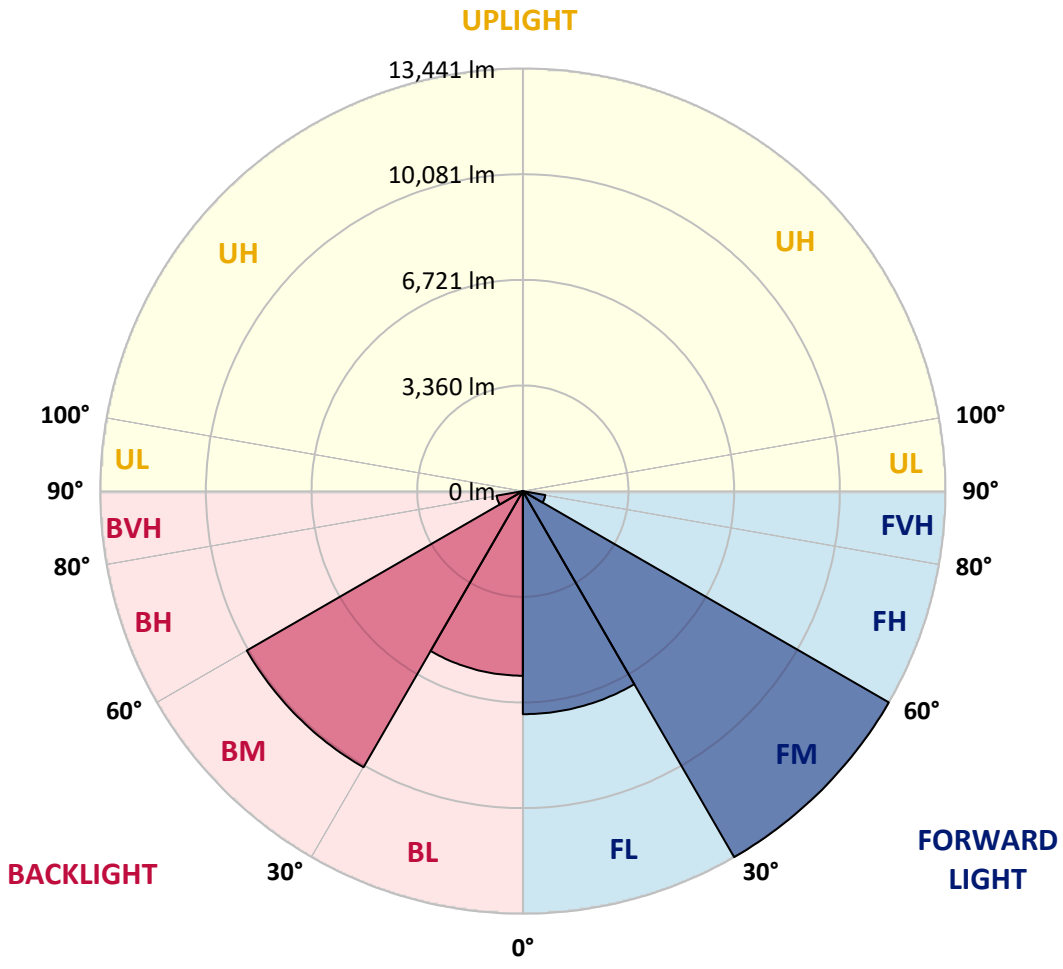
LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	7094.2	18.6			
FM	(30°-60°)	13441.5	35.2			
FH	(60°-80°)	725.7	1.9			G1/1800
FVH	(80°-90°)	11.2	0.0			G1/100
BL	(0°-30°)	5871.1	15.4	B5		
BM	(30°-60°)	10139.8	26.6	B5		
BH	(60°-80°)	848.3	2.2	B2/1000		G2/1000
BVH	(80°-90°)	11.0	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: P980949
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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	15568.5	15568.5	15568.5	15568.5	15568.5	15568.5	15568.5	15568.5	15568.5	15568.5	15568.5
2.5°	15394.3	15419.2	15444.1	15481.4	15531.2	15556.1	15531.2	15506.3	15493.9	15518.8	15531.2
5°	15605.9	15643.2	15655.7	15680.5	15705.4	15680.5	15668.1	15643.2	15630.8	15643.2	15680.5
7.5°	15917.0	15941.9	15929.4	15917.0	15904.6	15817.4	15730.3	15693.0	15693.0	15730.3	15829.9
10°	16190.8	16240.6	16178.3	16128.6	16041.5	15904.6	15755.2	15668.1	15693.0	15767.7	15892.1
12.5°	16539.2	16539.2	16477.0	16427.2	16228.1	16066.3	15867.2	15730.3	15730.3	15867.2	16004.1
15°	16962.4	16925.0	16900.1	16763.3	16526.8	16265.5	16016.6	15817.4	15780.1	15991.7	16078.8
17.5°	17497.5	17360.6	17298.4	17061.9	16738.4	16402.4	16066.3	15904.6	15792.6	16016.6	15917.0
20°	18231.8	18132.2	17933.1	17559.7	16900.1	16464.6	16066.3	15854.8	15767.7	15892.1	15792.6
22.5°	19177.6	19115.3	18667.3	18194.4	17323.3	16514.4	16004.1	15717.9	15693.0	15630.8	15419.2
25°	20334.9	20173.2	19712.7	19040.7	17958.0	16999.7	15991.7	15469.0	15381.9	15220.1	14846.7
27.5°	21318.1	21143.9	20583.8	19986.5	18829.1	17721.5	16091.2	15170.3	15070.8	14958.7	14498.3
30°	21367.9	21442.5	21293.2	20845.2	19638.0	18020.2	16265.5	15083.2	14859.2	14461.0	13913.4
32.5°	20359.8	20534.1	20895.0	21056.7	20247.8	18381.1	16414.8	15120.5	14709.8	13751.6	13303.6
35°	16912.6	17261.0	18742.0	20135.8	20422.0	18903.8	16539.2	15120.5	14660.1	13241.4	12892.9
37.5°	12992.5	13278.7	14535.6	17061.9	19650.5	19227.3	16813.0	15033.4	14597.8	13278.7	12805.8
40°	10615.5	10777.3	11324.8	13042.2	16937.5	18692.2	17086.8	15133.0	14411.2	13303.6	12855.6
42.5°	9968.3	9955.9	9843.9	10478.6	12917.8	17124.2	17273.5	15381.9	14100.1	13141.8	12768.4
45°	9532.8	9507.9	9408.3	9532.8	10217.2	14012.9	17136.6	15829.9	13714.3	12569.3	12320.4
47.5°	9059.9	9072.3	9035.0	9084.8	8960.3	10640.4	16365.0	16016.6	13054.7	11611.1	11524.0
50°	7927.4	8114.1	8611.9	8661.6	8338.1	8587.0	14012.9	15929.4	12581.8	11337.3	11262.6
52.5°	4928.2	5226.8	6695.3	7939.8	7753.2	7753.2	10690.2	16053.9	11735.5	11237.7	11287.5
55°	1742.3	1966.3	3584.1	5463.3	6944.2	7081.1	8450.1	14286.7	11636.0	11412.0	11461.7
57.5°	435.6	535.1	1095.1	2364.5	4679.3	6421.6	7554.0	11797.7	8835.9	8524.7	8649.2
60°	510.2	497.8	684.5	759.1	1817.0	5077.5	6807.3	7964.7	5699.8	5338.9	5401.1
62.5°	547.6	510.2	535.1	672.0	298.7	2489.0	5426.0	4741.5	2352.1	1742.3	1841.8
65°	485.4	460.5	423.1	622.2	211.6	460.5	3198.3	1393.8	336.0	535.1	485.4
67.5°	323.6	336.0	348.5	497.8	199.1	199.1	423.1	348.5	236.5	485.4	423.1
70°	186.7	199.1	236.5	298.7	199.1	161.8	186.7	286.2	199.1	485.4	423.1
72.5°	112.0	112.0	112.0	124.4	199.1	136.9	124.4	236.5	174.2	448.0	423.1
75°	87.1	87.1	87.1	74.7	174.2	87.1	87.1	186.7	149.3	323.6	323.6
77.5°	74.7	74.7	74.7	62.2	99.6	74.7	74.7	136.9	136.9	161.8	186.7
80°	49.8	49.8	49.8	49.8	62.2	62.2	49.8	74.7	62.2	74.7	87.1
82.5°	24.9	37.3	37.3	24.9	37.3	37.3	37.3	49.8	37.3	49.8	49.8
85°	12.4	12.4	12.4	12.4	12.4	12.4	12.4	24.9	12.4	12.4	24.9
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: P980949
CATALOG NUMBER: NFFLD-L-C100-7027-66

CANDELA DISTRIBUTION (continued):

	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	15568.5	15568.5	15568.5	15568.5	15568.5	15568.5	15568.5	15568.5	15568.5	15568.5
2.5°	15556.1	15618.3	15705.4	15842.3	15892.1	15979.2	16053.9	16116.1	16116.1	16091.2
5°	15755.2	15929.4	16165.9	16377.5	16452.1	16539.2	16576.6	16638.8	16626.4	16613.9
7.5°	15929.4	16203.2	16452.1	16601.5	16576.6	16464.6	16389.9	16290.3	16253.0	16277.9
10°	16066.3	16315.2	16427.2	16327.7	16029.0	15767.7	15431.7	15207.6	15095.6	15133.0
12.5°	16116.1	16203.2	16103.7	15556.1	15182.8	14933.9	14660.1	14510.7	14448.5	14461.0
15°	16128.6	15929.4	15381.9	14971.2	14697.4	14386.3	14162.3	14025.4	14025.4	14037.8
17.5°	15867.2	15381.9	14909.0	14597.8	14212.1	13888.5	13764.0	13714.3	13403.1	13452.9
20°	15630.8	14933.9	14672.5	14187.2	13726.7	13515.1	12793.3	12718.7	12731.1	12743.6
22.5°	15133.0	14610.3	14373.8	13739.1	13216.5	12631.6	12532.0	12457.3	12469.8	12469.8
25°	14448.5	14149.8	13826.3	13166.7	12532.0	12420.0	12345.3	12245.8	12196.0	12208.4
27.5°	14062.7	13689.4	13092.0	12532.0	12121.3	12171.1	12084.0	11934.6	11934.6	11947.1
30°	*13577.4*	*13216.5*	*12420.0*	*11760.4*	*11797.7*	*11872.4*	*11660.9*	*11586.2*	*11548.8*	*11548.8*
32.5°	12980.0	12482.2	11785.3	11163.1	11387.1	11362.2	11100.8	11125.7	11150.6	11125.7
35°	12532.0	11884.9	11300.0	10963.9	10876.8	10777.3	10640.4	10727.5	10764.8	10739.9
37.5°	12420.0	11648.4	11038.6	10802.2	10466.1	10279.5	10316.8	10403.9	10453.7	10441.3
40°	12382.7	11412.0	10814.6	10565.7	10117.7	9955.9	10005.7	10179.9	10242.1	10229.7
42.5°	12332.9	11250.2	10677.7	10379.0	9756.8	9644.8	9881.2	10043.0	10055.5	10043.0
45°	12071.5	11075.9	10590.6	9993.2	9209.2	9346.1	9644.8	9731.9	9582.6	9520.3
47.5°	11461.7	10752.4	10329.3	9520.3	8761.2	9022.5	9059.9	8114.1	7566.5	7442.0
50°	11287.5	10764.8	10030.6	8960.3	8487.4	8748.8	7118.5	5438.4	4753.9	4617.1
52.5°	11237.7	10640.4	10142.6	8375.4	8387.8	7379.8	4492.6	2663.2	2140.5	2041.0
55°	11362.2	11187.9	10329.3	8026.9	7802.9	4803.7	2090.7	1256.9	1294.3	1256.9
57.5°	8574.5	9358.6	10553.3	7479.4	5699.8	2314.7	1319.2	1219.6	1132.5	1107.6
60°	5351.3	6098.0	7728.3	6434.0	2924.5	1381.4	1344.0	1132.5	1095.1	1082.7
62.5°	1767.2	2713.0	4430.4	4231.3	808.9	1368.9	1356.5	1008.0	1008.0	1008.0
65°	448.0	460.5	1219.6	1456.1	597.4	1219.6	1294.3	945.8	920.9	958.3
67.5°	385.8	348.5	647.1	572.5	497.8	846.3	1132.5	908.5	858.7	858.7
70°	385.8	410.7	634.7	535.1	311.1	460.5	821.4	560.0	497.8	460.5
72.5°	360.9	398.2	560.0	485.4	211.6	224.0	360.9	186.7	174.2	149.3
75°	311.1	323.6	435.6	435.6	224.0	112.0	149.3	124.4	124.4	112.0
77.5°	211.6	161.8	248.9	311.1	161.8	74.7	62.2	62.2	62.2	49.8
80°	112.0	62.2	62.2	49.8	62.2	62.2	37.3	49.8	49.8	37.3
82.5°	62.2	37.3	37.3	24.9	24.9	37.3	24.9	24.9	24.9	24.9
85°	24.9	24.9	12.4	12.4	12.4	24.9	12.4	12.4	12.4	12.4
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	12.4	12.4
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: SP1-2501-319-9

Test Date: 02/05/2025

Luminaire Tested: NFFLD-C55-7027-66

Data in this report applies to families of products including NFFLD-C55-7027-66

Report Generated By FNC07603 / LDUCLS01DT446
Version: v7.04

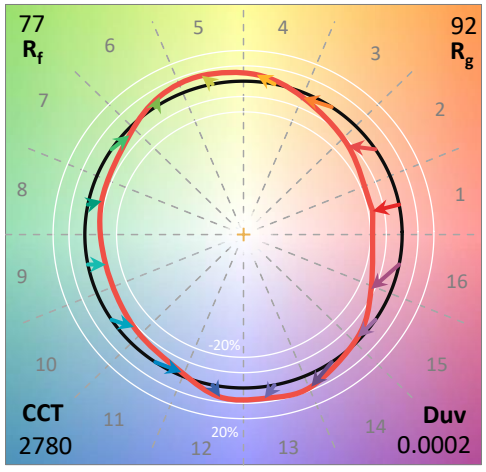
Test Information

Test Method:	LM-79-2019
Report Number:	SP1-2501-319-9
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-C55-7027-66**
Description:	LUMARK NIGHT FALCON 16900LM NEMA 6

Spectral Parameters

CCT (K):	2780	CRI (Ra):	72.0		
CIE u':	0.2590	R1:	68.2	R9:	-35.8
CIE v':	0.5260	R2:	85.1	R10:	68.0
Duv:	0.0002	R3:	93.3	R11:	62.3
CIE x:	0.4536	R4:	66.5	R12:	62.2
CIE y:	0.4095	R5:	68.5	R13:	71.6
CIE z:	0.1369	R6:	81.1	R14:	96.6
Peak Wavelength (nm):	597	R7:	74.6	R15:	59.0
Dominant Wavelength (nm):	583	R8:	38.9		
Purity:	59.08593				

Rf:	77.4
Rg:	92.5



Test Conditions

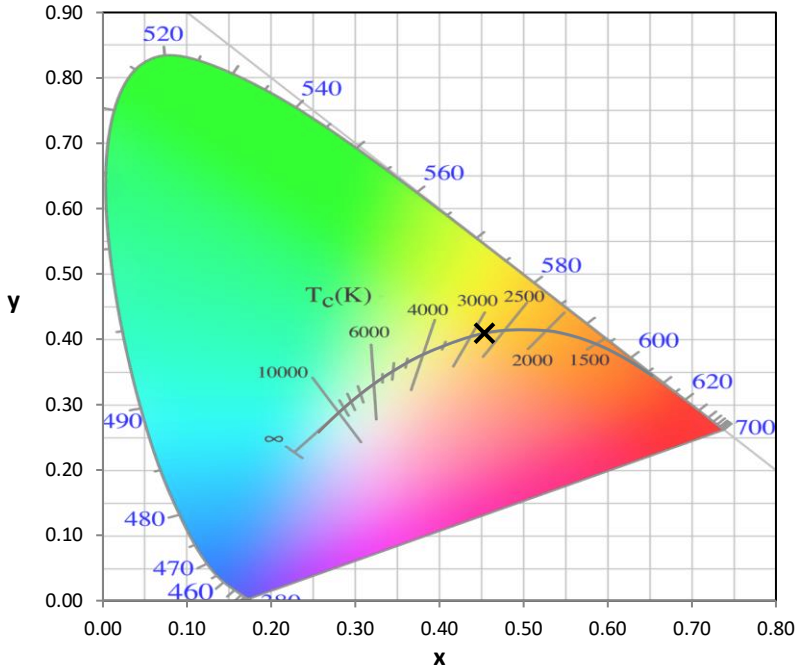
Stabilization Time:	20M
Operation Time:	1H 20M
Sphere Temperature (°C):	25.0

REPORT NUMBER: SP1-2501-319-9

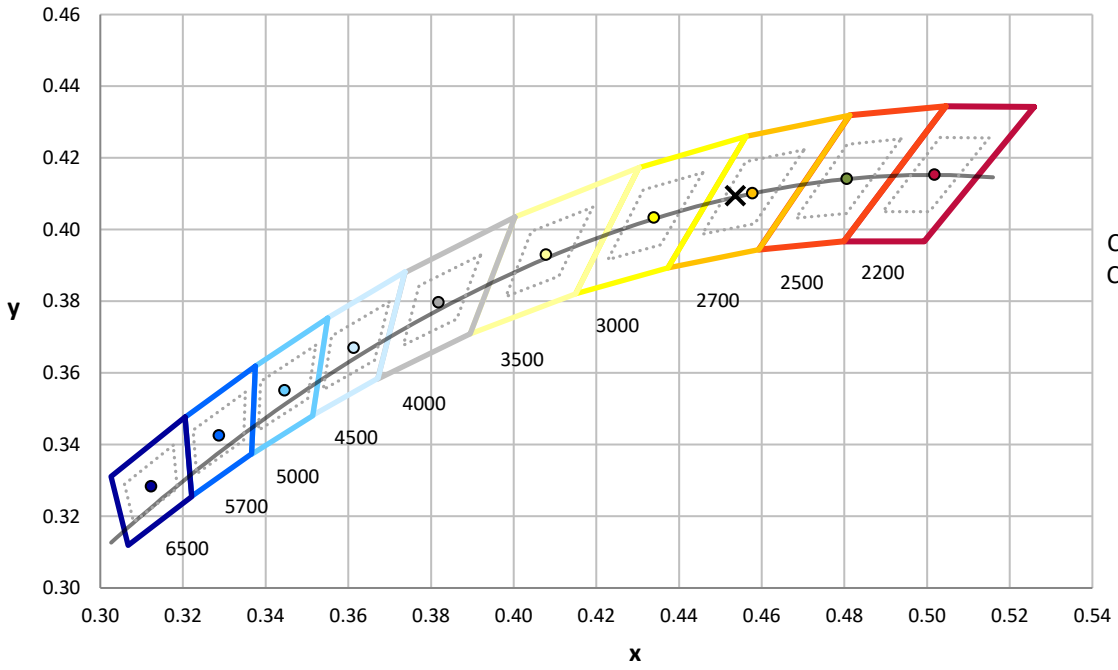
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	12/16/2024	6/16/2025
Power Meter	INXT2011004	1/212025	1/21/2026
AC Power Source	IN0063	10/22/2024	10/22/2025
DC Power Source	IN0208	10/22/2024	10/22/2025
Sphere Thermometer	IN0085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

REPORT NUMBER: SP1-2501-319-9

CIE 1931 Chromaticity Diagram



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

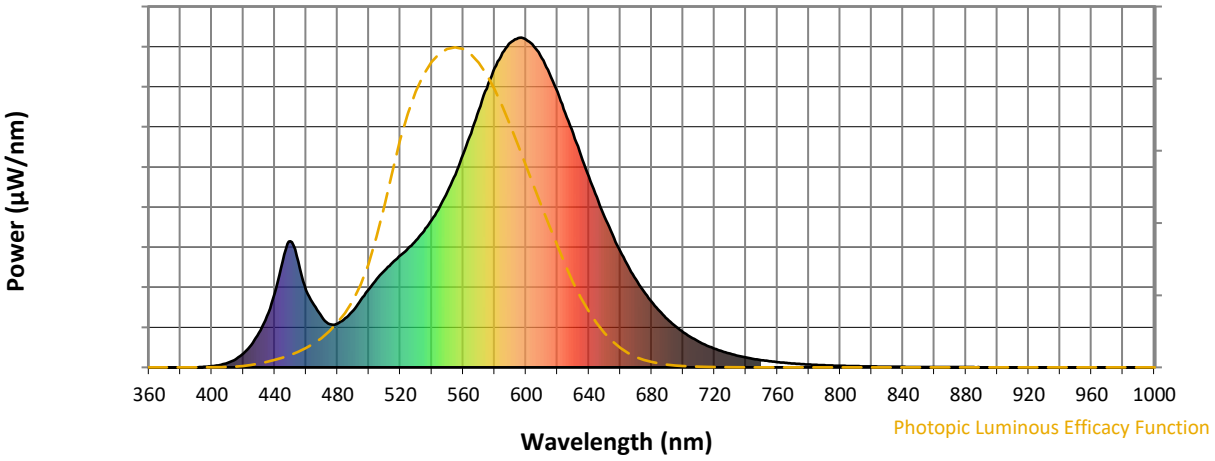


CCT = 2780K
CIE x = 0.4536
CIE y = 0.4095
Duv = 0.0002

Point lies inside the ANSI 2700K 4-step quadrangle

REPORT NUMBER: SP1-2501-319-9

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	836	NR	750	22	NR	880	1	NR
365	0	NR	495	205	NR	625	771	NR	755	19	NR	885	1	NR
370	0	NR	500	238	NR	630	710	NR	760	16	NR	890	0	NR
375	0	NR	505	268	NR	635	643	NR	765	14	NR	895	0	NR
380	0	NR	510	294	NR	640	578	NR	770	12	NR	900	0	NR
385	0	NR	515	317	NR	645	516	NR	775	10	NR	905	0	NR
390	0	NR	520	340	NR	650	456	NR	780	9	NR	910	0	NR
395	2	NR	525	361	NR	655	403	NR	785	8	NR	915	0	NR
400	4	NR	530	386	NR	660	352	NR	790	6	NR	920	0	NR
405	7	NR	535	413	NR	665	307	NR	795	6	NR	925	0	NR
410	14	NR	540	447	NR	670	266	NR	800	5	NR	930	0	NR
415	25	NR	545	487	NR	675	230	NR	805	4	NR	935	0	NR
420	42	NR	550	533	NR	680	199	NR	810	4	NR	940	0	NR
425	68	NR	555	585	NR	685	170	NR	815	3	NR	945	0	NR
430	104	NR	560	647	NR	690	147	NR	820	3	NR	950	0	NR
435	155	NR	565	710	NR	695	125	NR	825	2	NR	955	0	NR
440	224	NR	570	780	NR	700	107	NR	830	2	NR	960	0	NR
445	322	NR	575	846	NR	705	92	NR	835	2	NR	965	0	NR
450	382	NR	580	907	NR	710	78	NR	840	2	NR	970	0	NR
455	321	NR	585	954	NR	715	66	NR	845	1	NR	975	0	NR
460	234	NR	590	985	NR	720	57	NR	850	1	NR	980	0	NR
465	189	NR	595	999	NR	725	48	NR	855	1	NR	985	0	NR
470	152	NR	600	994	NR	730	41	NR	860	1	NR	990	0	NR
475	131	NR	605	973	NR	735	35	NR	865	1	NR	995	0	NR
480	133	NR	610	938	NR	740	30	NR	870	1	NR	1000	0	NR
485	150	NR	615	891	NR	745	26	NR	875	1	NR			

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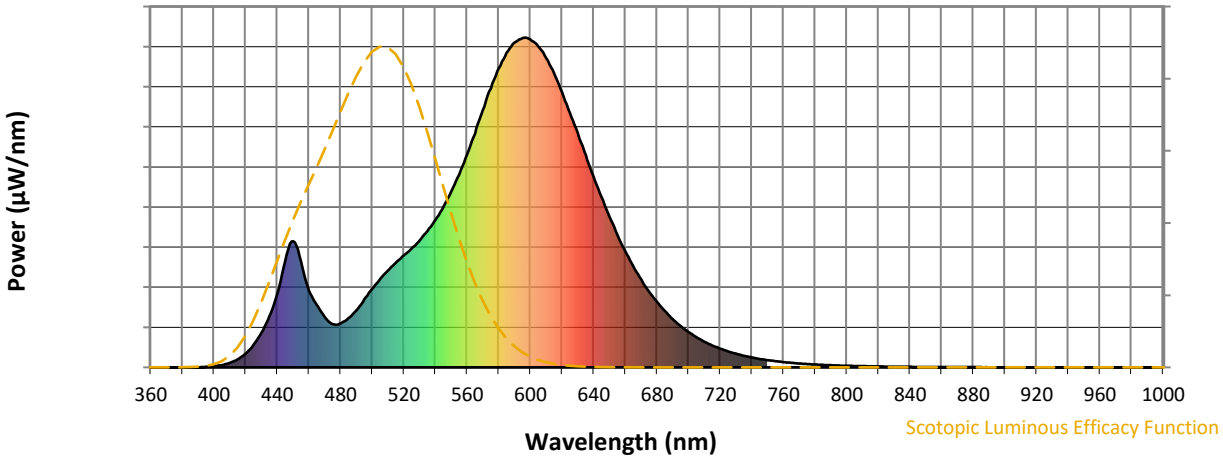
Scotopic Flux vs. Wavelength



Scotopic Lumens: NR **S/P: 1.17**

λ (nm)	Power W^/nm	Lumens (ϕ/nm)	λ (nm)	Power W^/nm	Lumens (ϕ/nm)	λ (nm)	Power W^/nm	Lumens (ϕ/nm)	λ (nm)	Power W^/nm	Lumens (ϕ/nm)	λ (nm)	Power W^/nm	Lumens (ϕ/nm)
360	0	NR	490	173	NR	620	836	NR	750	22	NR	880	1	NR
365	0	NR	495	205	NR	625	771	NR	755	19	NR	885	1	NR
370	0	NR	500	238	NR	630	710	NR	760	16	NR	890	0	NR
375	0	NR	505	268	NR	635	643	NR	765	14	NR	895	0	NR
380	0	NR	510	294	NR	640	578	NR	770	12	NR	900	0	NR
385	0	NR	515	317	NR	645	516	NR	775	10	NR	905	0	NR
390	0	NR	520	340	NR	650	456	NR	780	9	NR	910	0	NR
395	2	NR	525	361	NR	655	403	NR	785	8	NR	915	0	NR
400	4	NR	530	386	NR	660	352	NR	790	6	NR	920	0	NR
405	7	NR	535	413	NR	665	307	NR	795	6	NR	925	0	NR
410	14	NR	540	447	NR	670	266	NR	800	5	NR	930	0	NR
415	25	NR	545	487	NR	675	230	NR	805	4	NR	935	0	NR
420	42	NR	550	533	NR	680	199	NR	810	4	NR	940	0	NR
425	68	NR	555	585	NR	685	170	NR	815	3	NR	945	0	NR
430	104	NR	560	647	NR	690	147	NR	820	3	NR	950	0	NR
435	155	NR	565	710	NR	695	125	NR	825	2	NR	955	0	NR
440	224	NR	570	780	NR	700	107	NR	830	2	NR	960	0	NR
445	322	NR	575	846	NR	705	92	NR	835	2	NR	965	0	NR
450	382	NR	580	907	NR	710	78	NR	840	2	NR	970	0	NR
455	321	NR	585	954	NR	715	66	NR	845	1	NR	975	0	NR
460	234	NR	590	985	NR	720	57	NR	850	1	NR	980	0	NR
465	189	NR	595	999	NR	725	48	NR	855	1	NR	985	0	NR
470	152	NR	600	994	NR	730	41	NR	860	1	NR	990	0	NR
475	131	NR	605	973	NR	735	35	NR	865	1	NR	995	0	NR
480	133	NR	610	938	NR	740	30	NR	870	1	NR	1000	0	NR
485	150	NR	615	891	NR	745	26	NR	875	1	NR			

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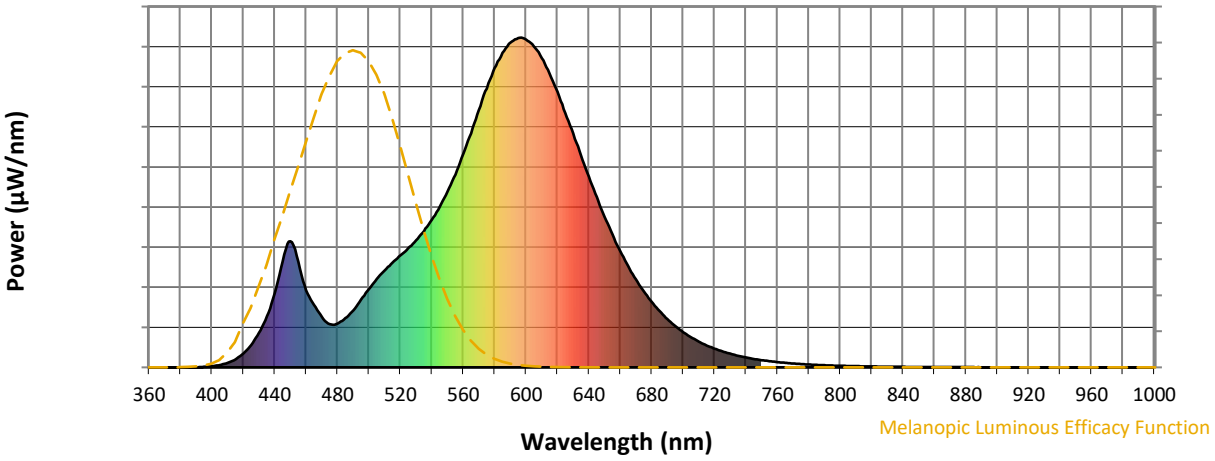
Melanopic Flux vs. Wavelength



Melanopic Lumens: NR **M/P: 2.15**

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	836	NR	750	22	NR	880	1	NR
365	0	NR	495	205	NR	625	771	NR	755	19	NR	885	1	NR
370	0	NR	500	238	NR	630	710	NR	760	16	NR	890	0	NR
375	0	NR	505	268	NR	635	643	NR	765	14	NR	895	0	NR
380	0	NR	510	294	NR	640	578	NR	770	12	NR	900	0	NR
385	0	NR	515	317	NR	645	516	NR	775	10	NR	905	0	NR
390	0	NR	520	340	NR	650	456	NR	780	9	NR	910	0	NR
395	2	NR	525	361	NR	655	403	NR	785	8	NR	915	0	NR
400	4	NR	530	386	NR	660	352	NR	790	6	NR	920	0	NR
405	7	NR	535	413	NR	665	307	NR	795	6	NR	925	0	NR
410	14	NR	540	447	NR	670	266	NR	800	5	NR	930	0	NR
415	25	NR	545	487	NR	675	230	NR	805	4	NR	935	0	NR
420	42	NR	550	533	NR	680	199	NR	810	4	NR	940	0	NR
425	68	NR	555	585	NR	685	170	NR	815	3	NR	945	0	NR
430	104	NR	560	647	NR	690	147	NR	820	3	NR	950	0	NR
435	155	NR	565	710	NR	695	125	NR	825	2	NR	955	0	NR
440	224	NR	570	780	NR	700	107	NR	830	2	NR	960	0	NR
445	322	NR	575	846	NR	705	92	NR	835	2	NR	965	0	NR
450	382	NR	580	907	NR	710	78	NR	840	2	NR	970	0	NR
455	321	NR	585	954	NR	715	66	NR	845	1	NR	975	0	NR
460	234	NR	590	985	NR	720	57	NR	850	1	NR	980	0	NR
465	189	NR	595	999	NR	725	48	NR	855	1	NR	985	0	NR
470	152	NR	600	994	NR	730	41	NR	860	1	NR	990	0	NR
475	131	NR	605	973	NR	735	35	NR	865	1	NR	995	0	NR
480	133	NR	610	938	NR	740	30	NR	870	1	NR	1000	0	NR
485	150	NR	615	891	NR	745	26	NR	875	1	NR			

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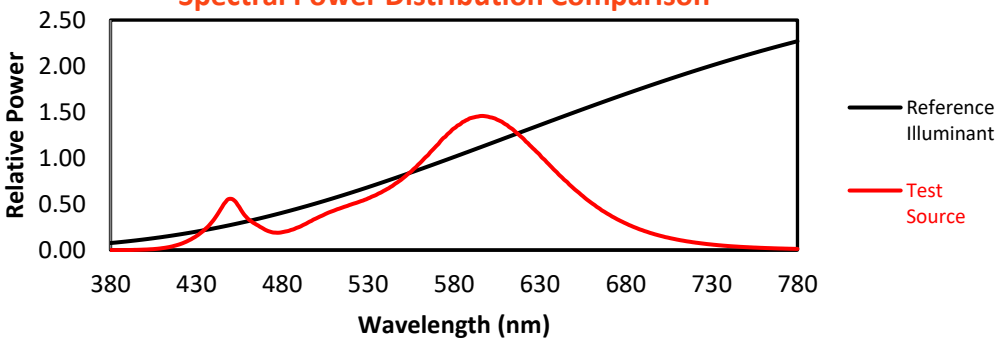
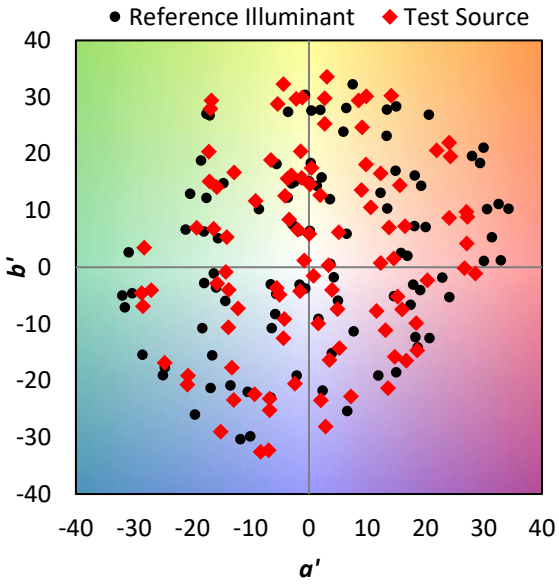
Summary

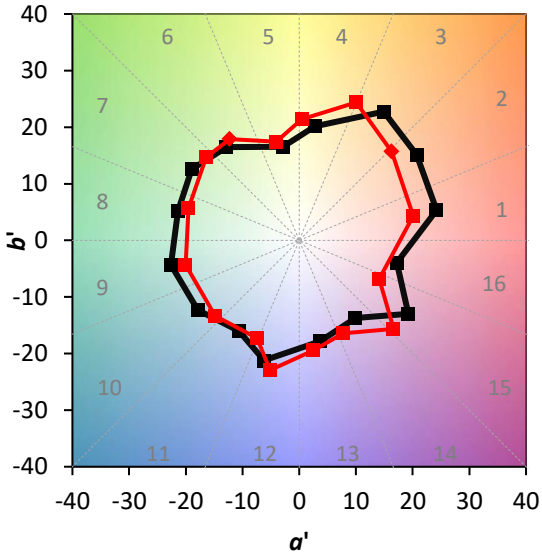
R_f = 77.4
R_g = 92.5
CIE R_a = 72.0
R_9 = -35.8

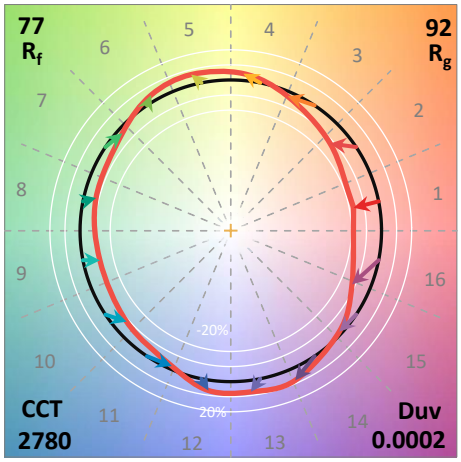
Spectral Power Distribution Comparison

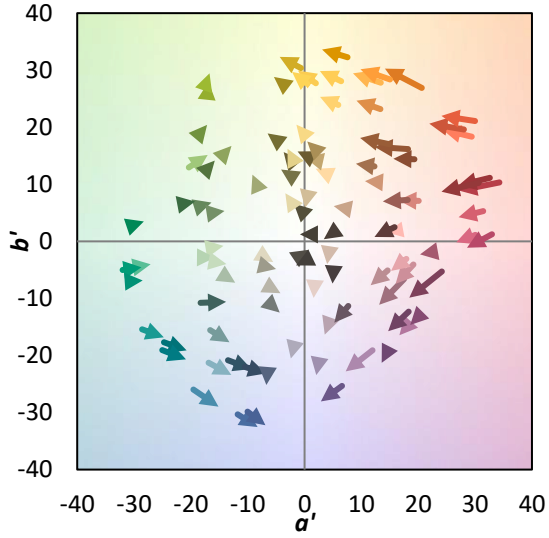


Color Vector Graphics









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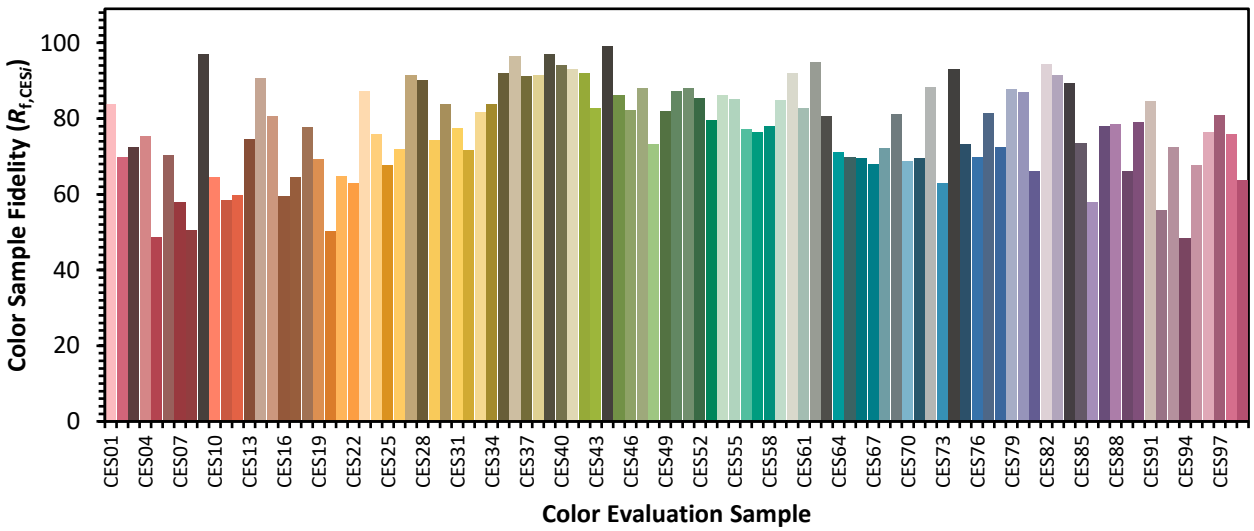
Individual Sample Fidelity Index ($R_{f,i}$)

CES01 = 86	CES26 = 72	CES51 = 88	CES76 = 70
CES02 = 63	CES27 = 91	CES52 = 85	CES77 = 81
CES03 = 31	CES28 = 90	CES53 = 80	CES78 = 73
CES04 = 71	CES29 = 74	CES54 = 86	CES79 = 88
CES05 = 50	CES30 = 84	CES55 = 85	CES80 = 87
CES06 = 52	CES31 = 77	CES56 = 77	CES81 = 66
CES07 = 42	CES32 = 72	CES57 = 76	CES82 = 95
CES08 = 40	CES33 = 82	CES58 = 78	CES83 = 91
CES09 = 29	CES34 = 84	CES59 = 85	CES84 = 89
CES10 = 77	CES35 = 92	CES60 = 92	CES85 = 74
CES11 = 60	CES36 = 96	CES61 = 83	CES86 = 58
CES12 = 66	CES37 = 91	CES62 = 95	CES87 = 78
CES13 = 43	CES38 = 92	CES63 = 81	CES88 = 78
CES14 = 74	CES39 = 97	CES64 = 71	CES89 = 66
CES15 = 72	CES40 = 94	CES65 = 70	CES90 = 79
CES16 = 47	CES41 = 93	CES66 = 70	CES91 = 85
CES17 = 50	CES42 = 92	CES67 = 68	CES92 = 56
CES18 = 57	CES43 = 83	CES68 = 72	CES93 = 73
CES19 = 73	CES44 = 99	CES69 = 81	CES94 = 48
CES20 = 67	CES45 = 86	CES70 = 69	CES95 = 68
CES21 = 87	CES46 = 82	CES71 = 70	CES96 = 77
CES22 = 80	CES47 = 88	CES72 = 88	CES97 = 81
CES23 = 92	CES48 = 73	CES73 = 63	CES98 = 76
CES24 = 91	CES49 = 82	CES74 = 93	CES99 = 64
CES25 = 73	CES50 = 87	CES75 = 73	



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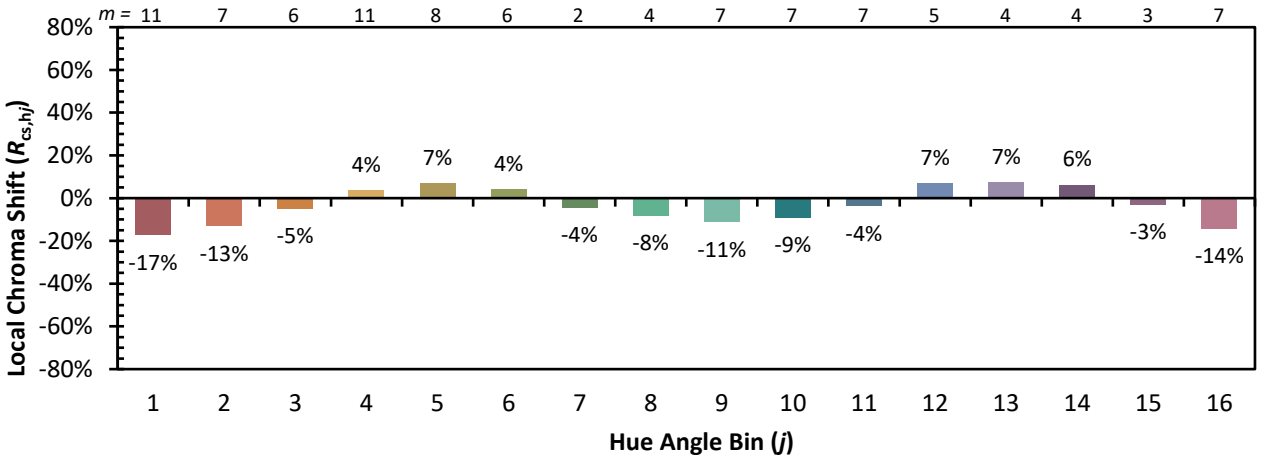
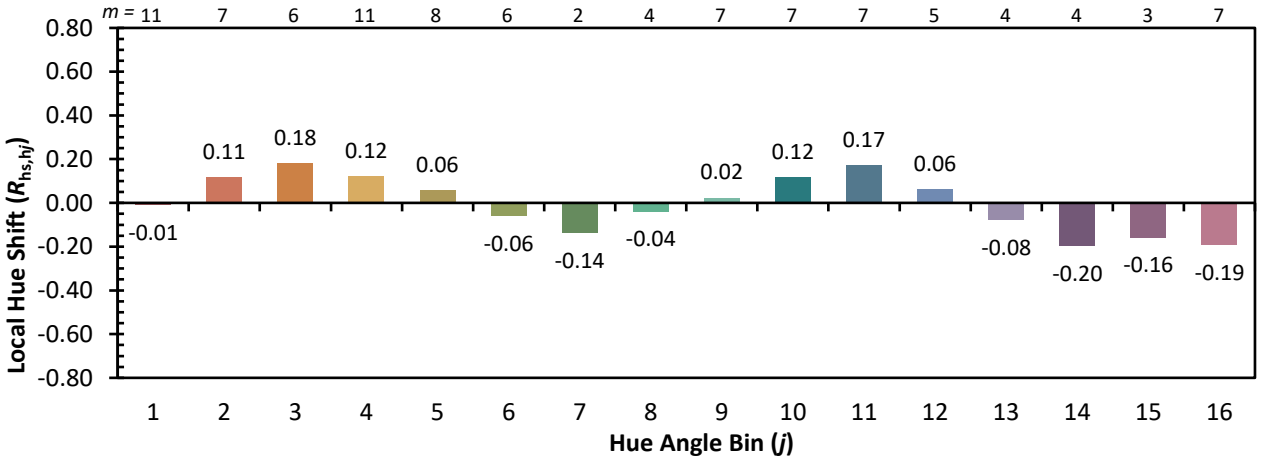
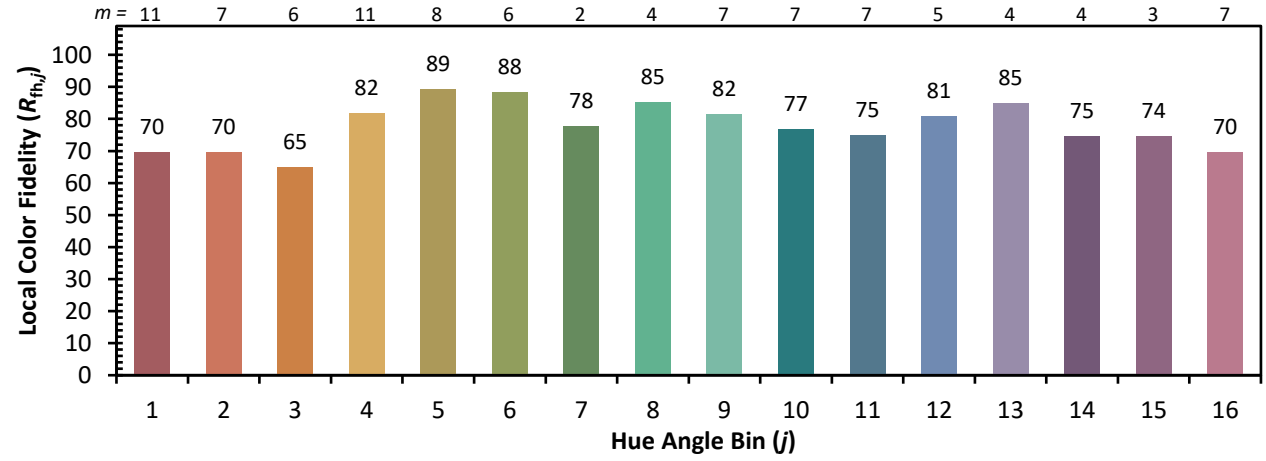
Color Rendition by Hue-Angle Bin







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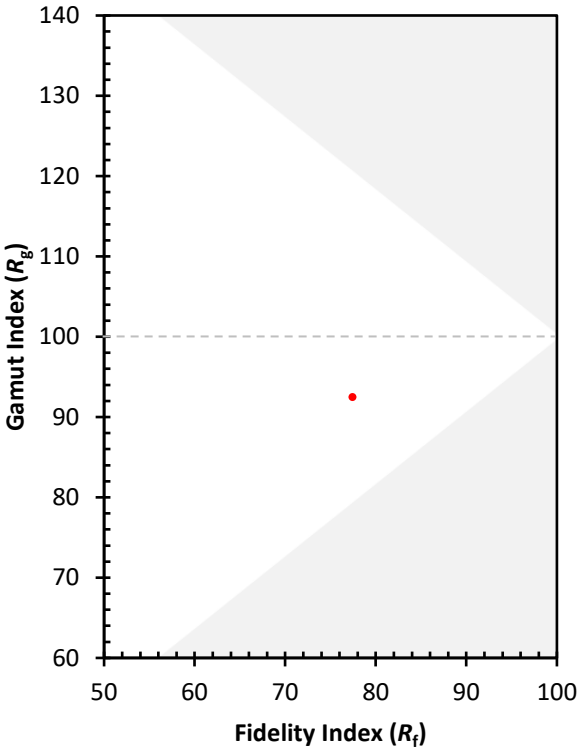
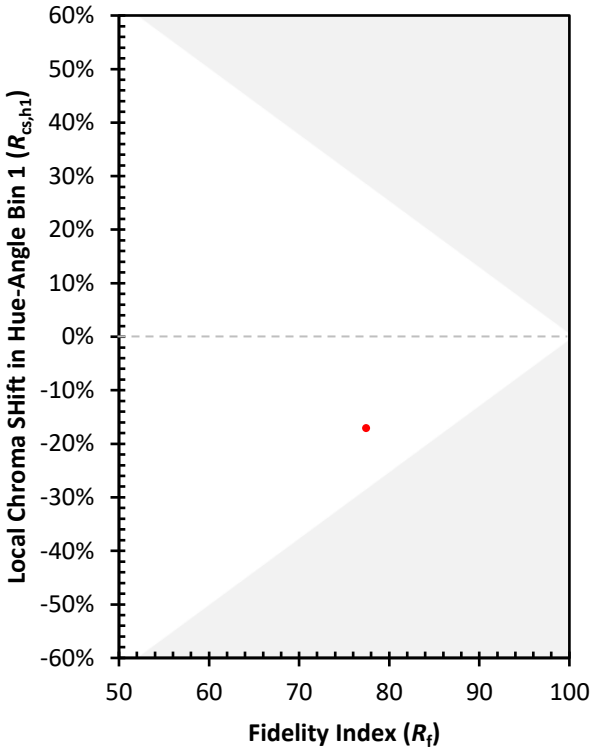
Measure Comparisons





(END OF REPORT)