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: P980939

Luminaire Tested: **NFFLD-L-C125-7022-66**

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:	P980939
Test Lab:	INNOVATION CENTER(G2)
Issue Date:	04/10/2025
Manufacturer:	COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line:	LUMARK
Catalog Number:	NFFLD-L-C125-7022-66
Description:	LUMARK NIGHT FALCON LARGE SIZE 270W 70CRI 2200K LED FIXTURE NEMA 6
Light Source:	(4) 2200K CCT, 70 CRI LEDS
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	36740.8 lumens
Efficiency:	N/A
Efficacy:	134.4 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):	273.3
Input Voltage (V):	120
Input Current (Ain):	NR
Voltage Rise (V):	NR
Power Factor:	0.99
Total Harmonic Distortion (THDi):	3.49%
Frequency (hertz):	60
Stabilization Time:	NR
Operation Time:	NR
Ambient Temperature (°C):	NR
Test Distance:	28.75 FT

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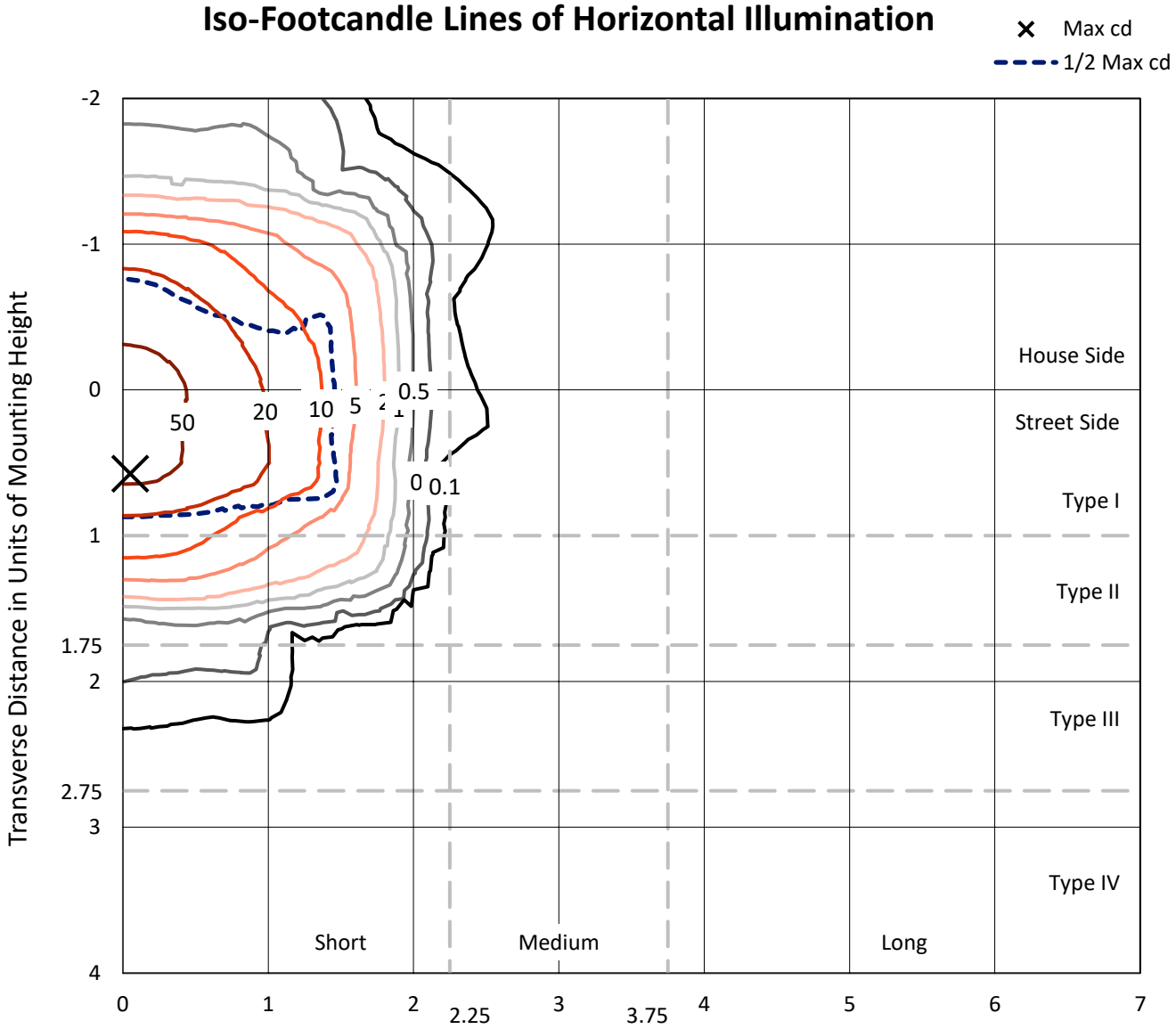
REPORT NUMBER: P980939
CATALOG NUMBER: NFFLD-L-C125-7022-66

Iso-Footcandle Lines of Horizontal Illumination



Based on 15 foot mounting height. Maximum calculated value = 68.3 fc
Type I - Short - N/A

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REPORT NUMBER: P980939
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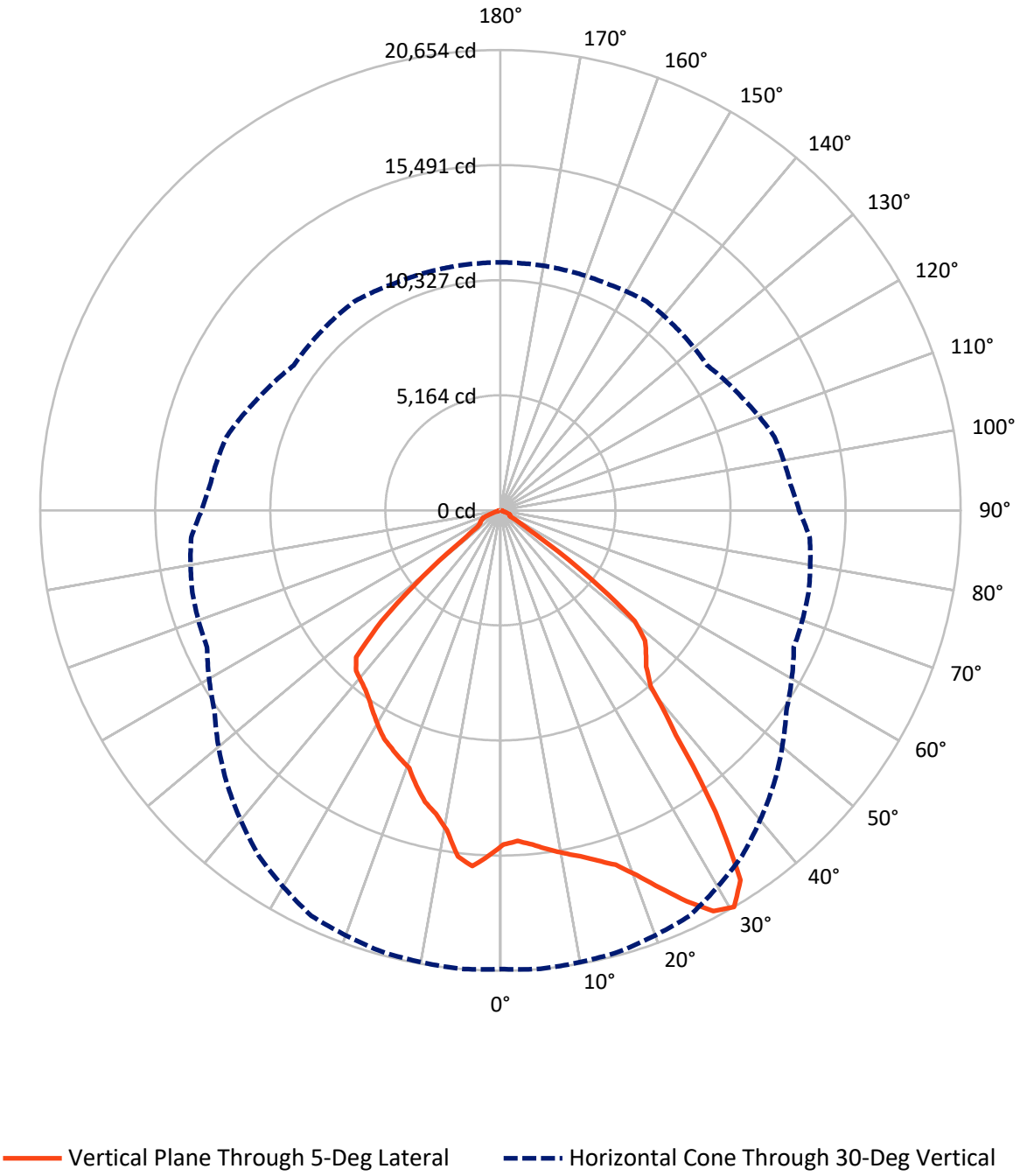
Luminous Intensity Polar Plot



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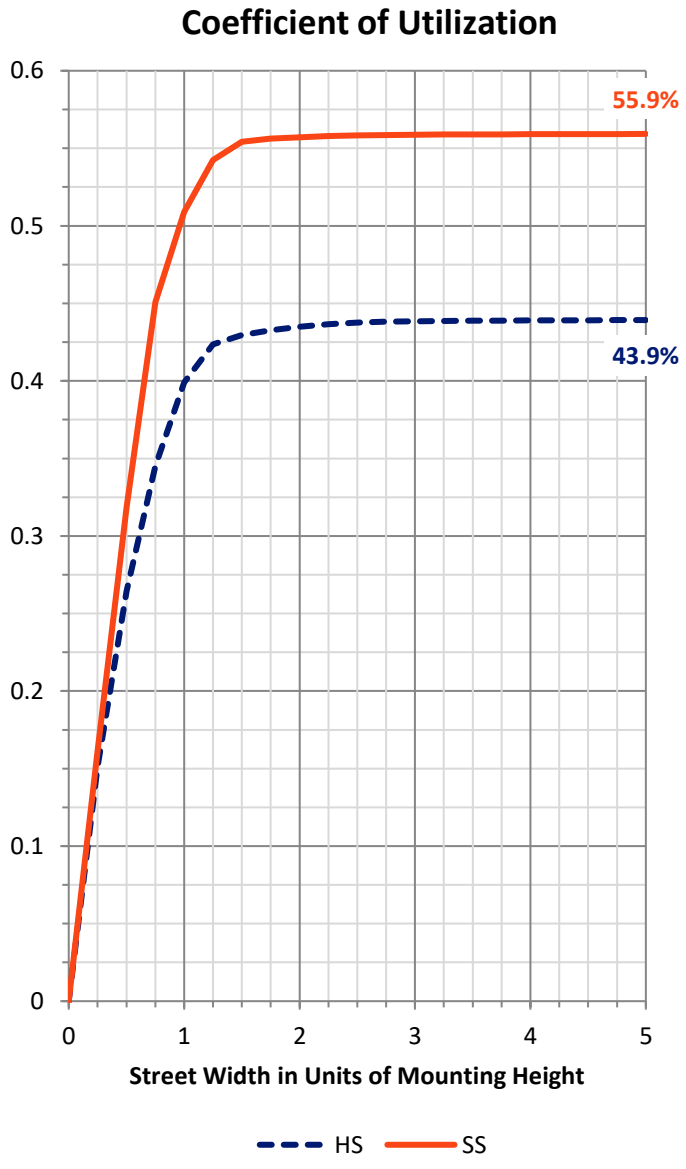
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	16250.1	0.0	16250.1
	% Fixture	44.2	0.0	44.2
Street Side	Lumens	20490.7	0.0	20490.7
	% Fixture	55.8	0.0	55.8
Total	Lumens	36740.8	0.0	36740.8
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1467.0	4.0
10°-20°	4249.6	11.6
20°-30°	6772.2	18.4
30°-40°	8466.3	23.0
40°-50°	8308.3	22.6
50°-60°	5939.9	16.2
60°-70°	1314.2	3.6
70°-80°	201.9	0.5
80°-90°	21.4	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°	36740.8	100.0
0°-180°	36740.8	100.0



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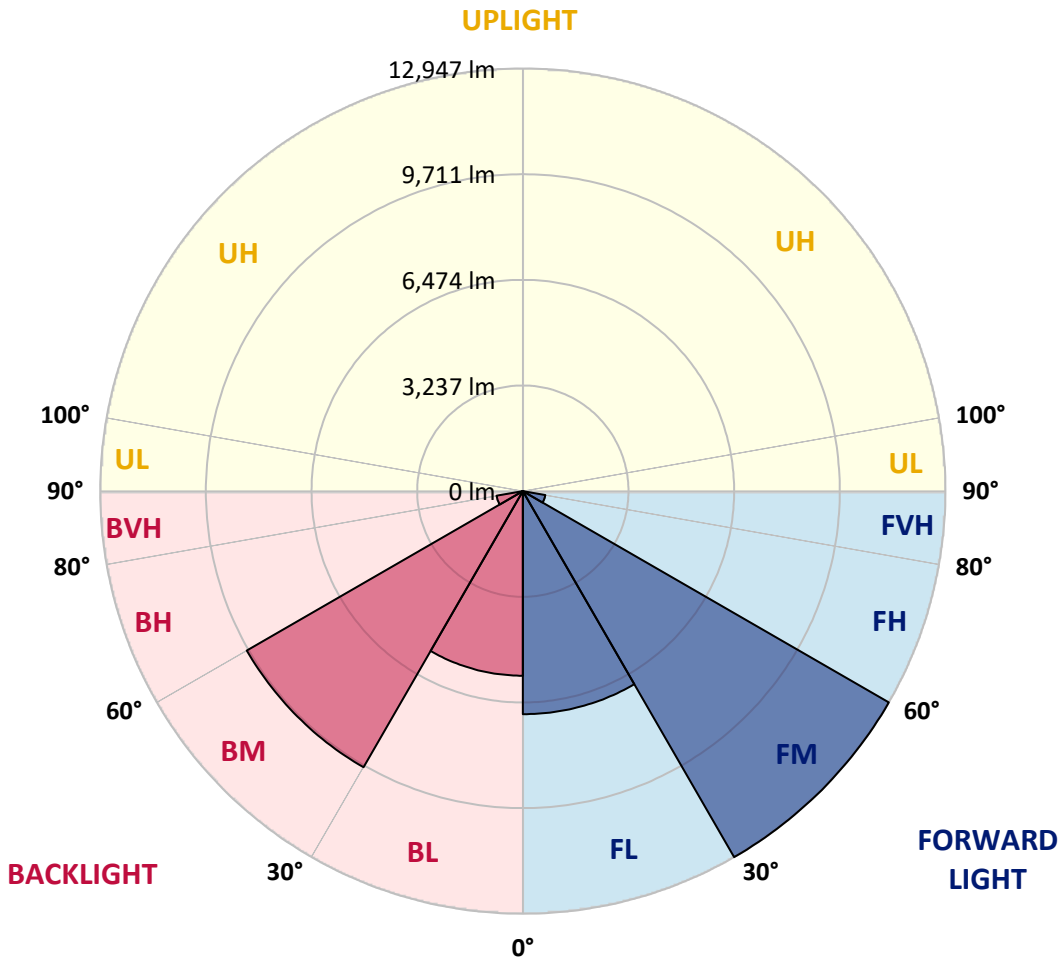
LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	6833.5	18.6			
FM	(30°-60°)	12947.5	35.2			
FH	(60°-80°)	699.0	1.9			G1/1800
FVH	(80°-90°)	10.8	0.0			G1/100
BL	(0°-30°)	5655.3	15.4	B5		
BM	(30°-60°)	9767.1	26.6	B5		
BH	(60°-80°)	817.1	2.2	B2/1000		G2/1000
BVH	(80°-90°)	10.6	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: P980939
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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	14996.3	14996.3	14996.3	14996.3	14996.3	14996.3	14996.3	14996.3	14996.3	14996.3	14996.3
2.5°	14828.5	14852.5	14876.5	14912.4	14960.4	14984.3	14960.4	14936.4	14924.4	14948.4	14960.4
5°	15032.3	15068.3	15080.2	15104.2	15128.2	15104.2	15092.2	15068.3	15056.3	15068.3	15104.2
7.5°	15332.0	15356.0	15344.0	15332.0	15320.0	15236.1	15152.2	15116.2	15116.2	15152.2	15248.1
10°	15595.7	15643.7	15583.7	15535.8	15451.9	15320.0	15176.1	15092.2	15116.2	15188.1	15308.0
12.5°	15931.3	15931.3	15871.4	15823.5	15631.7	15475.8	15284.0	15152.2	15152.2	15284.0	15415.9
15°	16338.9	16303.0	16279.0	16147.1	15919.4	15667.6	15427.9	15236.1	15200.1	15403.9	15487.8
17.5°	16854.4	16722.5	16662.6	16434.8	16123.1	15799.5	15475.8	15320.0	15212.1	15427.9	15332.0
20°	17561.6	17465.7	17273.9	16914.3	16279.0	15859.4	15475.8	15272.0	15188.1	15308.0	15212.1
22.5°	18472.7	18412.8	17981.2	17525.7	16686.6	15907.4	15415.9	15140.2	15116.2	15056.3	14852.5
25°	19587.5	19431.7	18988.2	18340.8	17297.9	16374.9	15403.9	14900.4	14816.5	14660.7	14301.1
27.5°	20534.5	20366.7	19827.3	19251.9	18137.0	17070.2	15499.8	14612.7	14516.8	14408.9	13965.4
30°	20582.5	20654.4	20510.6	20079.0	18916.2	17357.9	15667.6	14528.8	14313.0	13929.4	13402.0
32.5°	19611.5	19779.3	20127.0	20282.8	19503.6	17705.5	15811.5	14564.8	14169.2	13246.2	12814.6
35°	16291.0	16626.6	18053.1	19395.7	19671.4	18209.0	15931.3	14564.8	14121.2	12754.7	12419.0
37.5°	12514.9	12790.6	14001.4	16434.8	18928.2	18520.6	16195.1	14480.9	14061.3	12790.6	12335.1
40°	10225.3	10381.2	10908.6	12562.9	16314.9	18005.2	16458.8	14576.8	13881.5	12814.6	12383.1
42.5°	9602.0	9590.0	9482.1	10093.5	12443.0	16494.8	16638.6	14816.5	13581.8	12658.8	12299.1
45°	9182.4	9158.4	9062.5	9182.4	9841.7	13497.9	16506.7	15248.1	13210.2	12107.3	11867.6
47.5°	8726.9	8738.9	8702.9	8750.9	8631.0	10249.3	15763.5	15427.9	12574.9	11184.3	11100.4
50°	7636.0	7815.8	8295.3	8343.3	8031.6	8271.4	13497.9	15344.0	12119.3	10920.6	10848.7
52.5°	4747.0	5034.7	6449.3	7648.0	7468.2	7468.2	10297.2	15463.8	11304.2	10824.7	10872.6
55°	1678.2	1894.0	3452.4	5262.5	6689.0	6820.9	8139.5	13761.6	11208.3	10992.5	11040.5
57.5°	419.6	515.5	1054.9	2277.6	4507.3	6185.5	7276.4	11364.1	8511.1	8211.4	8331.3
60°	491.5	479.5	659.3	731.2	1750.2	4890.9	6557.1	7672.0	5490.3	5142.6	5202.6
62.5°	527.4	491.5	515.5	647.3	287.7	2397.5	5226.5	4567.2	2265.6	1678.2	1774.1
65°	467.5	443.5	407.6	599.4	203.8	443.5	3080.8	1342.6	323.7	515.5	467.5
67.5°	311.7	323.7	335.6	479.5	191.8	191.8	407.6	335.6	227.8	467.5	407.6
70°	179.8	191.8	227.8	287.7	191.8	155.8	179.8	275.7	191.8	467.5	407.6
72.5°	107.9	107.9	107.9	119.9	191.8	131.9	119.9	227.8	167.8	431.5	407.6
75°	83.9	83.9	83.9	71.9	167.8	83.9	83.9	179.8	143.8	311.7	311.7
77.5°	71.9	71.9	71.9	59.9	95.9	71.9	71.9	131.9	131.9	155.8	179.8
80°	47.9	47.9	47.9	47.9	59.9	59.9	47.9	71.9	59.9	71.9	83.9
82.5°	24.0	36.0	36.0	24.0	36.0	36.0	36.0	47.9	36.0	47.9	47.9
85°	12.0	12.0	12.0	12.0	12.0	12.0	12.0	24.0	12.0	12.0	24.0
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: P980939
CATALOG NUMBER: NFFLD-L-C125-7022-66

CANDELA DISTRIBUTION (continued):

	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	14996.3	14996.3	14996.3	14996.3	14996.3	14996.3	14996.3	14996.3	14996.3	14996.3
2.5°	14984.3	15044.3	15128.2	15260.1	15308.0	15391.9	15463.8	15523.8	15523.8	15499.8
5°	15176.1	15344.0	15571.7	15775.5	15847.4	15931.3	15967.3	16027.2	16015.3	16003.3
7.5°	15344.0	15607.7	15847.4	15991.3	15967.3	15859.4	15787.5	15691.6	15655.6	15679.6
10°	15475.8	15715.6	15823.5	15727.6	15439.9	15188.1	14864.5	14648.7	14540.8	14576.8
12.5°	15523.8	15607.7	15511.8	14984.3	14624.7	14385.0	14121.2	13977.4	13917.5	13929.4
15°	15535.8	15344.0	14816.5	14420.9	14157.2	13857.5	13641.7	13509.9	13509.9	13521.9
17.5°	15284.0	14816.5	14361.0	14061.3	13689.7	13378.0	13258.1	13210.2	12910.5	12958.5
20°	15056.3	14385.0	14133.2	13665.7	13222.2	13018.4	12323.1	12251.2	12263.2	12275.2
22.5°	14576.8	14073.3	13845.5	13234.2	12730.7	12167.3	12071.4	11999.5	12011.4	12011.4
25°	13917.5	13629.8	13318.1	12682.7	12071.4	11963.5	11891.6	11795.7	11747.7	11759.7
27.5°	13545.8	13186.2	12610.8	12071.4	11675.8	11723.7	11639.8	11496.0	11496.0	11508.0
30°	*13078.3*	*12730.7*	*11963.5*	*11328.2*	*11364.1*	*11436.0*	*11232.3*	*11160.3*	*11124.4*	*11124.4*
32.5°	12502.9	12023.4	11352.1	10752.8	10968.5	10944.6	10692.8	10716.8	10740.8	10716.8
35°	12071.4	11448.0	10884.6	10561.0	10477.1	10381.2	10249.3	10333.2	10369.2	10345.2
37.5°	11963.5	11220.3	10632.9	10405.1	10081.5	9901.7	9937.6	10021.5	10069.5	10057.5
40°	11927.5	10992.5	10417.1	10177.4	9745.8	9590.0	9637.9	9805.8	9865.7	9853.7
42.5°	11879.6	10836.7	10285.3	9997.6	9398.2	9290.3	9518.1	9673.9	9685.9	9673.9
45°	11627.8	10668.8	10201.3	9625.9	8870.7	9002.6	9290.3	9374.2	9230.4	9170.4
47.5°	11040.5	10357.2	9949.6	9170.4	8439.2	8690.9	8726.9	7815.8	7288.4	7168.5
50°	10872.6	10369.2	9661.9	8631.0	8175.5	8427.2	6856.8	5238.5	4579.2	4447.4
52.5°	10824.7	10249.3	9769.8	8067.6	8079.6	7108.6	4327.5	2565.3	2061.8	1965.9
55°	10944.6	10776.7	9949.6	7731.9	7516.1	4627.2	2013.9	1210.7	1246.7	1210.7
57.5°	8259.4	9014.6	10165.4	7204.5	5490.3	2229.7	1270.7	1174.8	1090.9	1066.9
60°	5154.6	5873.9	7444.2	6197.5	2817.1	1330.6	1294.6	1090.9	1054.9	1042.9
62.5°	1702.2	2613.3	4267.5	4075.7	779.2	1318.6	1306.6	971.0	971.0	971.0
65°	431.5	443.5	1174.8	1402.5	575.4	1174.8	1246.7	911.0	887.1	923.0
67.5°	371.6	335.6	623.3	551.4	479.5	815.1	1090.9	875.1	827.1	827.1
70°	371.6	395.6	611.4	515.5	299.7	443.5	791.2	539.4	479.5	443.5
72.5°	347.6	383.6	539.4	467.5	203.8	215.8	347.6	179.8	167.8	143.8
75°	299.7	311.7	419.6	419.6	215.8	107.9	143.8	119.9	119.9	107.9
77.5°	203.8	155.8	239.7	299.7	155.8	71.9	59.9	59.9	59.9	47.9
80°	107.9	59.9	59.9	47.9	59.9	59.9	36.0	47.9	47.9	36.0
82.5°	59.9	36.0	36.0	24.0	24.0	36.0	24.0	24.0	24.0	24.0
85°	24.0	24.0	12.0	12.0	12.0	24.0	12.0	12.0	12.0	12.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	12.0	12.0
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: SP1-2501-319-8

Test Date: 02/05/2025

Luminaire Tested: NFFLD-C55-7022-66

Data in this report applies to families of products including NFFLD-C55-7022-66

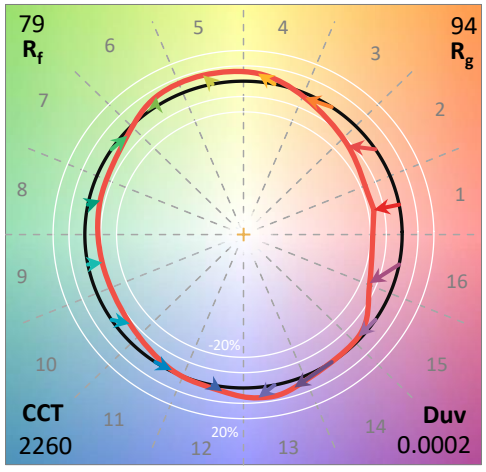
Report Generated By FNC07603 / LDUCLS01DT446
Version: v7.04

Test Information

Test Method:	LM-79-2019
Report Number:	SP1-2501-319-8
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-C55-7022-66**
Description:	LUMARK NIGHT FALCON 16900LM NEMA 6

Spectral Parameters

CCT (K):	2260	CRI (Ra):	72.8		
CIE u':	0.2861	R1:	70.2	R9:	-28.5
CIE v':	0.5354	R2:	88.0	R10:	76.1
Duv:	0.0002	R3:	89.4	R11:	65.3
CIE x:	0.5000	R4:	67.3	R12:	73.8
CIE y:	0.4158	R5:	70.5	R13:	73.9
CIE z:	0.0842	R6:	87.8	R14:	94.5
Peak Wavelength (nm):	604	R7:	71.9	R15:	60.0
Dominant Wavelength (nm):	586	R8:	36.8		
Purity:	74.90898				
Rf:	78.7				
Rg:	93.7				



Test Conditions

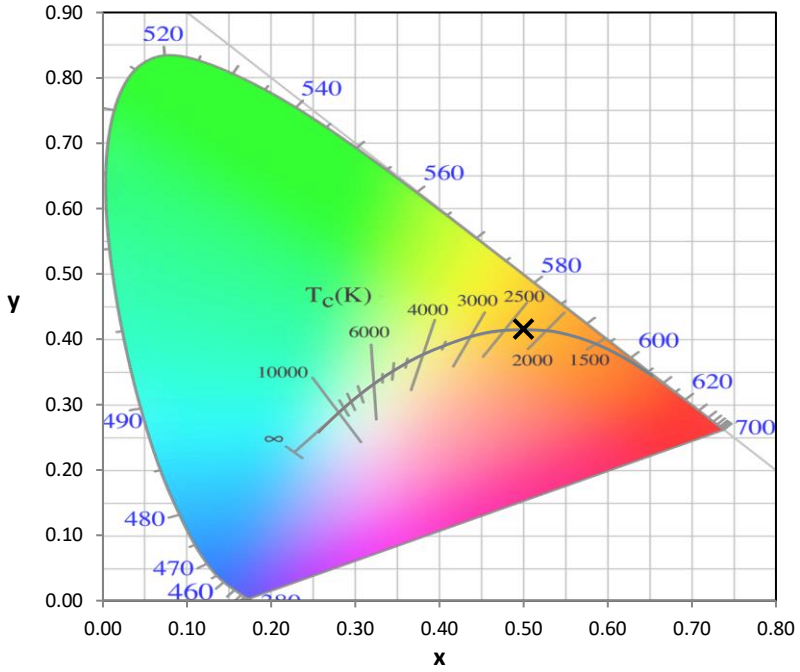
Stabilization Time:	59M
Operation Time:	1H 59M
Sphere Temperature (°C):	25.0

REPORT NUMBER: SP1-2501-319-8

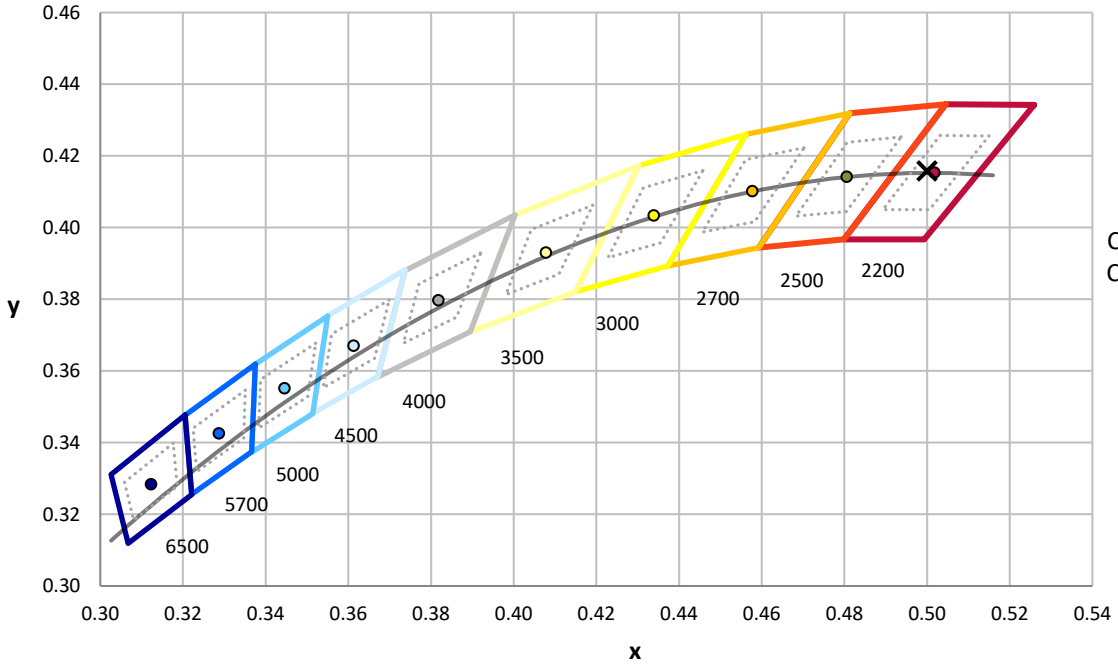
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	12/16/2024	6/16/2025
Power Meter	INXT2011004	1/212025	1/21/2026
AC Power Source	IN0063	10/22/2024	10/22/2025
DC Power Source	IN0208	10/22/2024	10/22/2025
Sphere Thermometer	IN0085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

REPORT NUMBER: SP1-2501-319-8

CIE 1931 Chromaticity Diagram



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

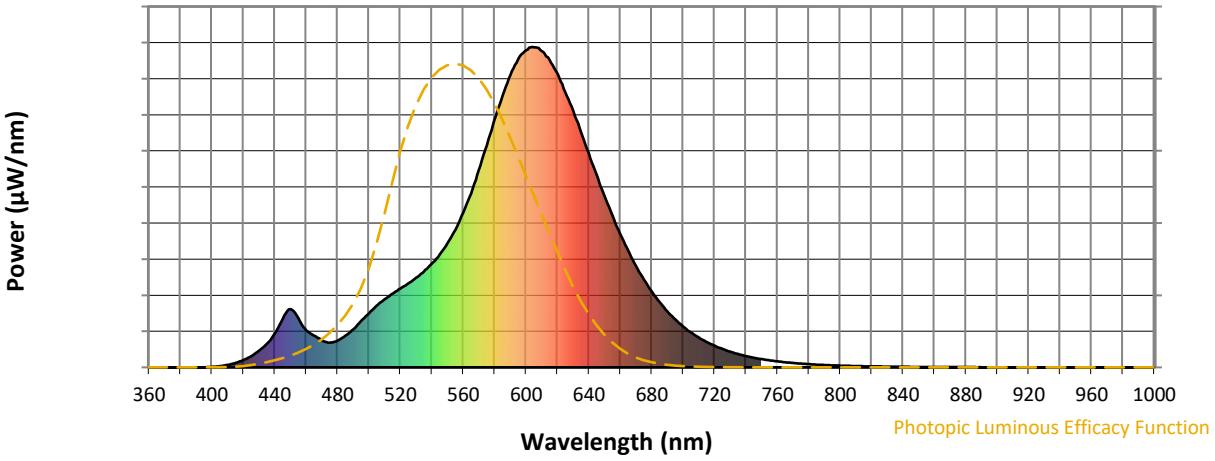


CCT = 2260K
CIE x = 0.5000
CIE y = 0.4158
Duv = 0.0002

Point lies inside the ANSI 2200K 4-step quadrangle

REPORT NUMBER: SP1-2501-319-8

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	118	NR	620	917	NR	750	26	NR	880	1	NR
365	0	NR	495	145	NR	625	859	NR	755	22	NR	885	1	NR
370	0	NR	500	169	NR	630	801	NR	760	19	NR	890	0	NR
375	0	NR	505	193	NR	635	735	NR	765	16	NR	895	0	NR
380	0	NR	510	213	NR	640	667	NR	770	14	NR	900	0	NR
385	0	NR	515	230	NR	645	600	NR	775	12	NR	905	0	NR
390	0	NR	520	246	NR	650	534	NR	780	10	NR	910	0	NR
395	0	NR	525	262	NR	655	473	NR	785	8	NR	915	0	NR
400	2	NR	530	280	NR	660	416	NR	790	7	NR	920	0	NR
405	4	NR	535	299	NR	665	364	NR	795	6	NR	925	0	NR
410	8	NR	540	324	NR	670	316	NR	800	5	NR	930	0	NR
415	14	NR	545	352	NR	675	274	NR	805	5	NR	935	0	NR
420	23	NR	550	388	NR	680	237	NR	810	4	NR	940	0	NR
425	35	NR	555	429	NR	685	204	NR	815	4	NR	945	0	NR
430	52	NR	560	482	NR	690	174	NR	820	3	NR	950	0	NR
435	74	NR	565	543	NR	695	150	NR	825	3	NR	955	0	NR
440	105	NR	570	616	NR	700	128	NR	830	2	NR	960	0	NR
445	151	NR	575	692	NR	705	109	NR	835	2	NR	965	0	NR
450	182	NR	580	773	NR	710	93	NR	840	2	NR	970	0	NR
455	154	NR	585	847	NR	715	79	NR	845	2	NR	975	0	NR
460	116	NR	590	913	NR	720	68	NR	850	1	NR	980	0	NR
465	99	NR	595	962	NR	725	58	NR	855	1	NR	985	0	NR
470	84	NR	600	990	NR	730	49	NR	860	1	NR	990	0	NR
475	77	NR	605	999	NR	735	42	NR	865	1	NR	995	0	NR
480	84	NR	610	986	NR	740	35	NR	870	1	NR	1000	0	NR
485	99	NR	615	960	NR	745	30	NR	875	1	NR			

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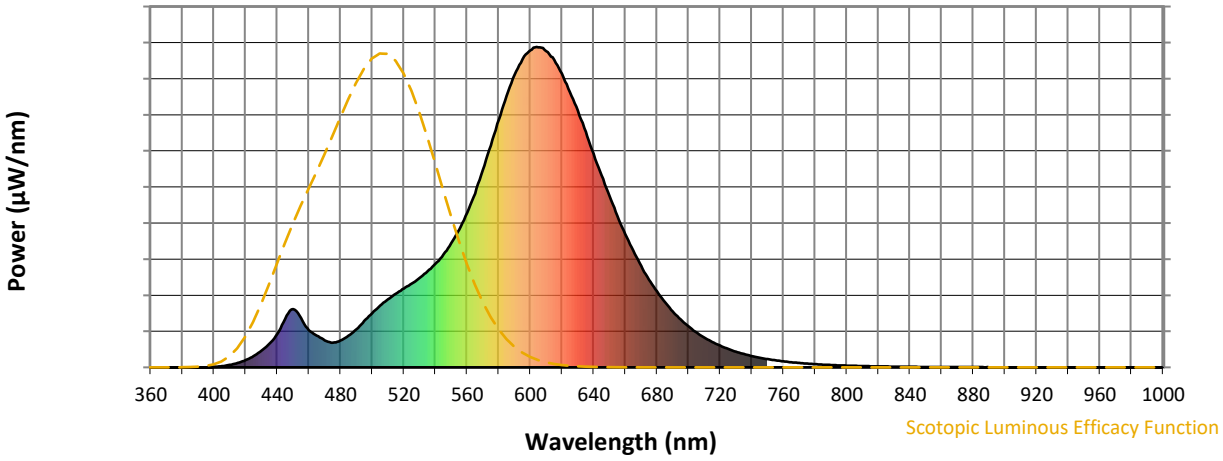
Scotopic Flux vs. Wavelength



Scotopic Lumens: NR **S/P: 0.95**

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	118	NR	620	917	NR	750	26	NR	880	1	NR
365	0	NR	495	145	NR	625	859	NR	755	22	NR	885	1	NR
370	0	NR	500	169	NR	630	801	NR	760	19	NR	890	0	NR
375	0	NR	505	193	NR	635	735	NR	765	16	NR	895	0	NR
380	0	NR	510	213	NR	640	667	NR	770	14	NR	900	0	NR
385	0	NR	515	230	NR	645	600	NR	775	12	NR	905	0	NR
390	0	NR	520	246	NR	650	534	NR	780	10	NR	910	0	NR
395	0	NR	525	262	NR	655	473	NR	785	8	NR	915	0	NR
400	2	NR	530	280	NR	660	416	NR	790	7	NR	920	0	NR
405	4	NR	535	299	NR	665	364	NR	795	6	NR	925	0	NR
410	8	NR	540	324	NR	670	316	NR	800	5	NR	930	0	NR
415	14	NR	545	352	NR	675	274	NR	805	5	NR	935	0	NR
420	23	NR	550	388	NR	680	237	NR	810	4	NR	940	0	NR
425	35	NR	555	429	NR	685	204	NR	815	4	NR	945	0	NR
430	52	NR	560	482	NR	690	174	NR	820	3	NR	950	0	NR
435	74	NR	565	543	NR	695	150	NR	825	3	NR	955	0	NR
440	105	NR	570	616	NR	700	128	NR	830	2	NR	960	0	NR
445	151	NR	575	692	NR	705	109	NR	835	2	NR	965	0	NR
450	182	NR	580	773	NR	710	93	NR	840	2	NR	970	0	NR
455	154	NR	585	847	NR	715	79	NR	845	2	NR	975	0	NR
460	116	NR	590	913	NR	720	68	NR	850	1	NR	980	0	NR
465	99	NR	595	962	NR	725	58	NR	855	1	NR	985	0	NR
470	84	NR	600	990	NR	730	49	NR	860	1	NR	990	0	NR
475	77	NR	605	999	NR	735	42	NR	865	1	NR	995	0	NR
480	84	NR	610	986	NR	740	35	NR	870	1	NR	1000	0	NR
485	99	NR	615	960	NR	745	30	NR	875	1	NR			

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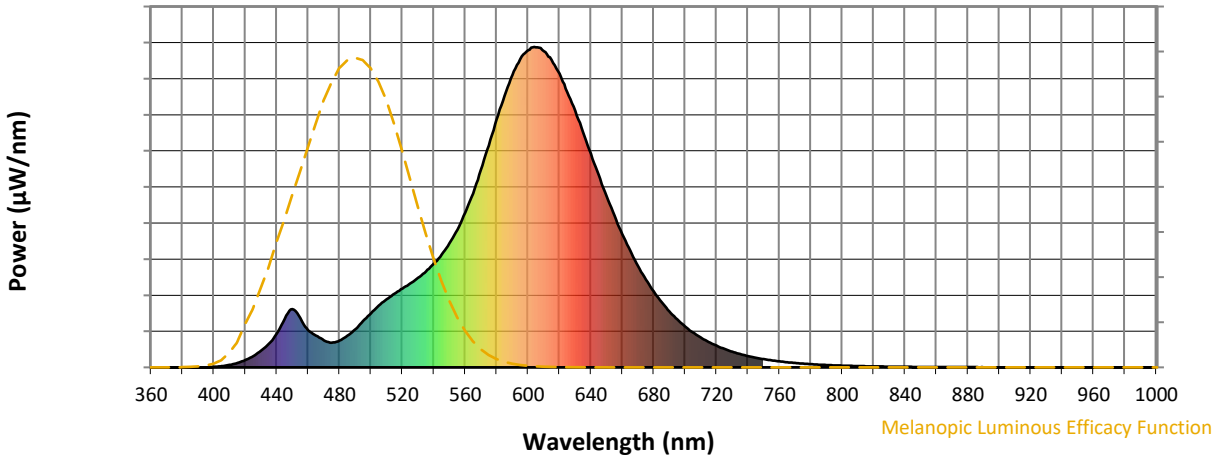
Melanopic Flux vs. Wavelength



Melanopic Lumens: NR **M/P: 1.64**

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	118	NR	620	917	NR	750	26	NR	880	1	NR
365	0	NR	495	145	NR	625	859	NR	755	22	NR	885	1	NR
370	0	NR	500	169	NR	630	801	NR	760	19	NR	890	0	NR
375	0	NR	505	193	NR	635	735	NR	765	16	NR	895	0	NR
380	0	NR	510	213	NR	640	667	NR	770	14	NR	900	0	NR
385	0	NR	515	230	NR	645	600	NR	775	12	NR	905	0	NR
390	0	NR	520	246	NR	650	534	NR	780	10	NR	910	0	NR
395	0	NR	525	262	NR	655	473	NR	785	8	NR	915	0	NR
400	2	NR	530	280	NR	660	416	NR	790	7	NR	920	0	NR
405	4	NR	535	299	NR	665	364	NR	795	6	NR	925	0	NR
410	8	NR	540	324	NR	670	316	NR	800	5	NR	930	0	NR
415	14	NR	545	352	NR	675	274	NR	805	5	NR	935	0	NR
420	23	NR	550	388	NR	680	237	NR	810	4	NR	940	0	NR
425	35	NR	555	429	NR	685	204	NR	815	4	NR	945	0	NR
430	52	NR	560	482	NR	690	174	NR	820	3	NR	950	0	NR
435	74	NR	565	543	NR	695	150	NR	825	3	NR	955	0	NR
440	105	NR	570	616	NR	700	128	NR	830	2	NR	960	0	NR
445	151	NR	575	692	NR	705	109	NR	835	2	NR	965	0	NR
450	182	NR	580	773	NR	710	93	NR	840	2	NR	970	0	NR
455	154	NR	585	847	NR	715	79	NR	845	2	NR	975	0	NR
460	116	NR	590	913	NR	720	68	NR	850	1	NR	980	0	NR
465	99	NR	595	962	NR	725	58	NR	855	1	NR	985	0	NR
470	84	NR	600	990	NR	730	49	NR	860	1	NR	990	0	NR
475	77	NR	605	999	NR	735	42	NR	865	1	NR	995	0	NR
480	84	NR	610	986	NR	740	35	NR	870	1	NR	1000	0	NR
485	99	NR	615	960	NR	745	30	NR	875	1	NR			

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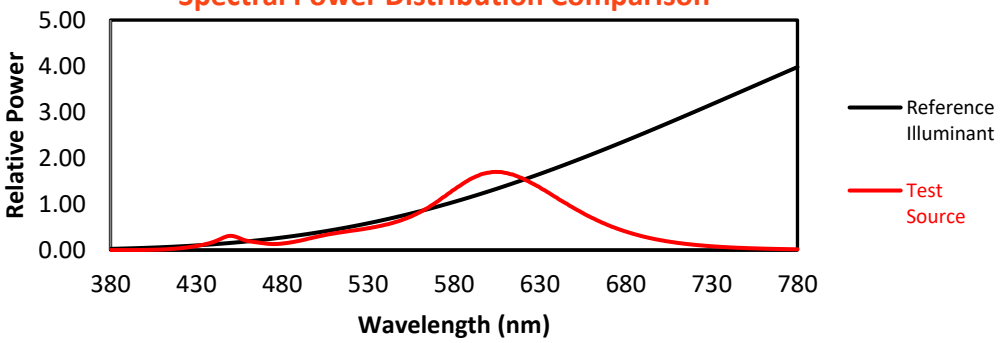
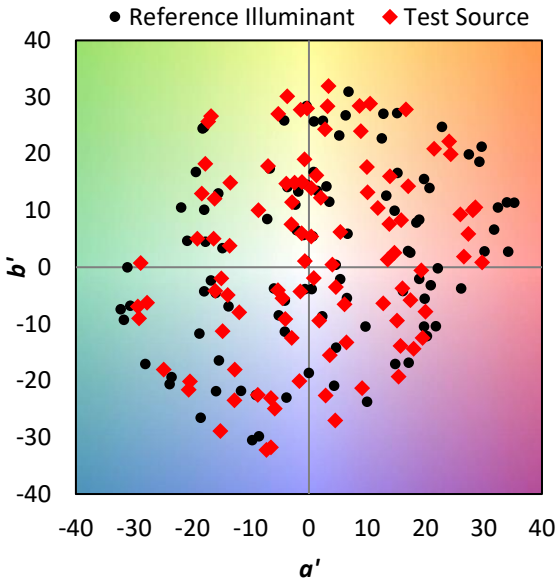
Summary

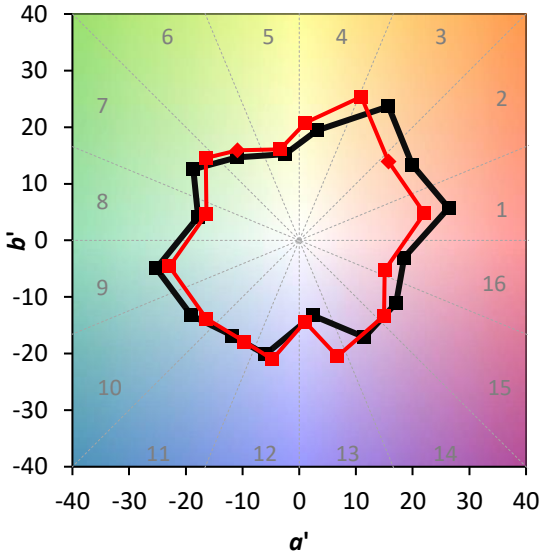
R_f = 78.7
R_g = 93.7
CIE R_a = 72.8
R_9 = -28.5

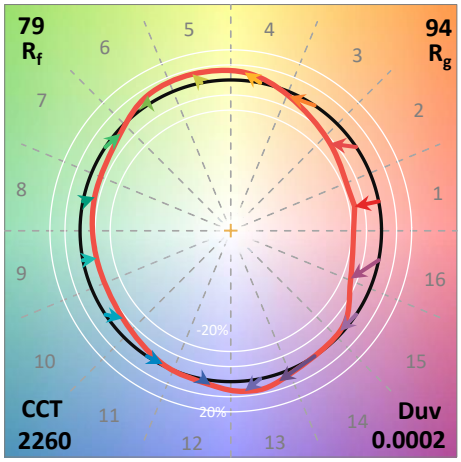
Spectral Power Distribution Comparison

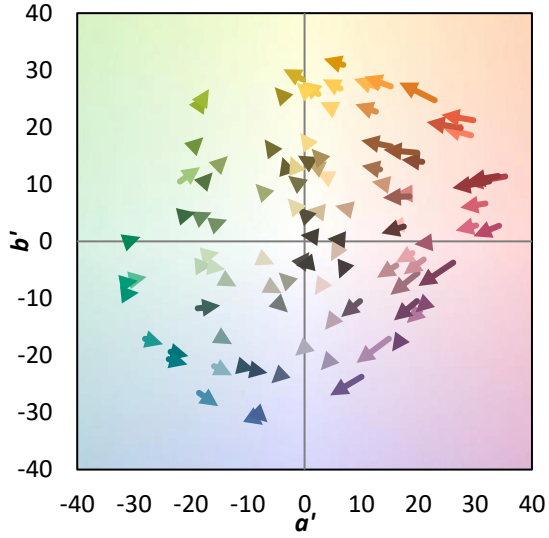


Color Vector Graphics









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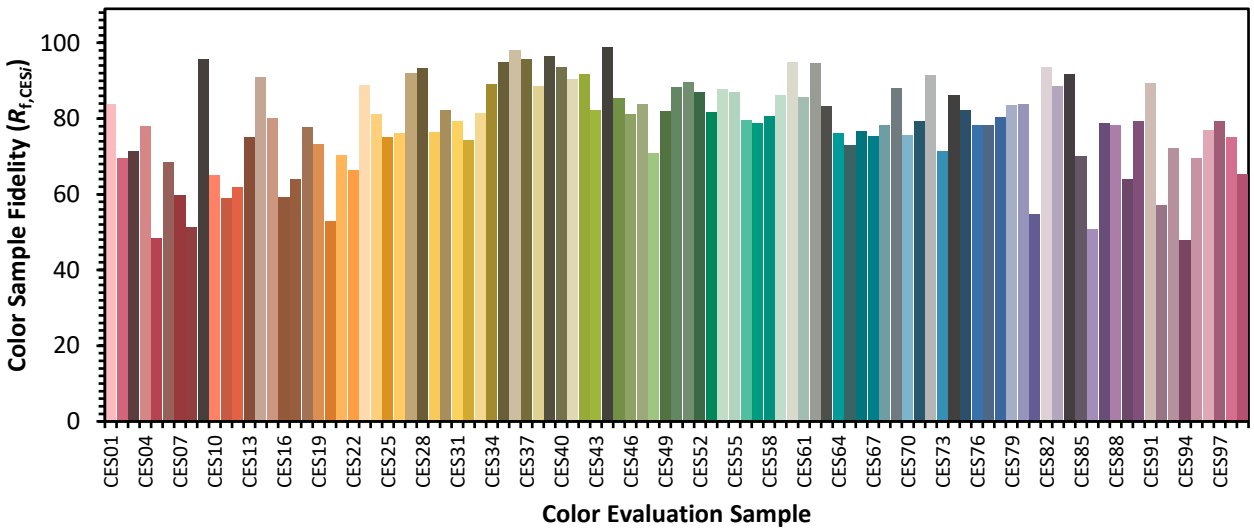
Individual Sample Fidelity Index ($R_{f,i}$)

CES01 = 87	CES26 = 76	CES51 = 90	CES76 = 78
CES02 = 65	CES27 = 92	CES52 = 87	CES77 = 78
CES03 = 32	CES28 = 93	CES53 = 82	CES78 = 80
CES04 = 72	CES29 = 77	CES54 = 88	CES79 = 84
CES05 = 51	CES30 = 82	CES55 = 87	CES80 = 84
CES06 = 52	CES31 = 79	CES56 = 80	CES81 = 55
CES07 = 44	CES32 = 74	CES57 = 79	CES82 = 94
CES08 = 42	CES33 = 81	CES58 = 81	CES83 = 88
CES09 = 29	CES34 = 89	CES59 = 86	CES84 = 92
CES10 = 79	CES35 = 95	CES60 = 95	CES85 = 70
CES11 = 61	CES36 = 98	CES61 = 86	CES86 = 51
CES12 = 68	CES37 = 96	CES62 = 95	CES87 = 79
CES13 = 45	CES38 = 89	CES63 = 83	CES88 = 78
CES14 = 75	CES39 = 96	CES64 = 76	CES89 = 64
CES15 = 72	CES40 = 94	CES65 = 73	CES90 = 79
CES16 = 48	CES41 = 91	CES66 = 77	CES91 = 89
CES17 = 51	CES42 = 92	CES67 = 75	CES92 = 57
CES18 = 57	CES43 = 82	CES68 = 78	CES93 = 72
CES19 = 74	CES44 = 99	CES69 = 88	CES94 = 48
CES20 = 68	CES45 = 85	CES70 = 76	CES95 = 70
CES21 = 88	CES46 = 81	CES71 = 79	CES96 = 77
CES22 = 81	CES47 = 84	CES72 = 91	CES97 = 79
CES23 = 92	CES48 = 71	CES73 = 71	CES98 = 75
CES24 = 92	CES49 = 82	CES74 = 86	CES99 = 65
CES25 = 73	CES50 = 88	CES75 = 82	



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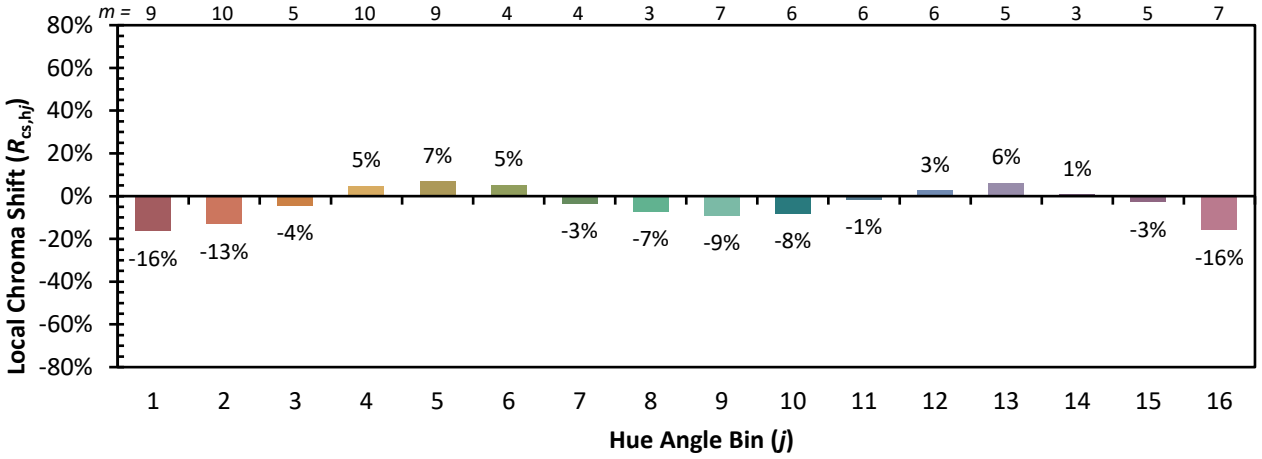
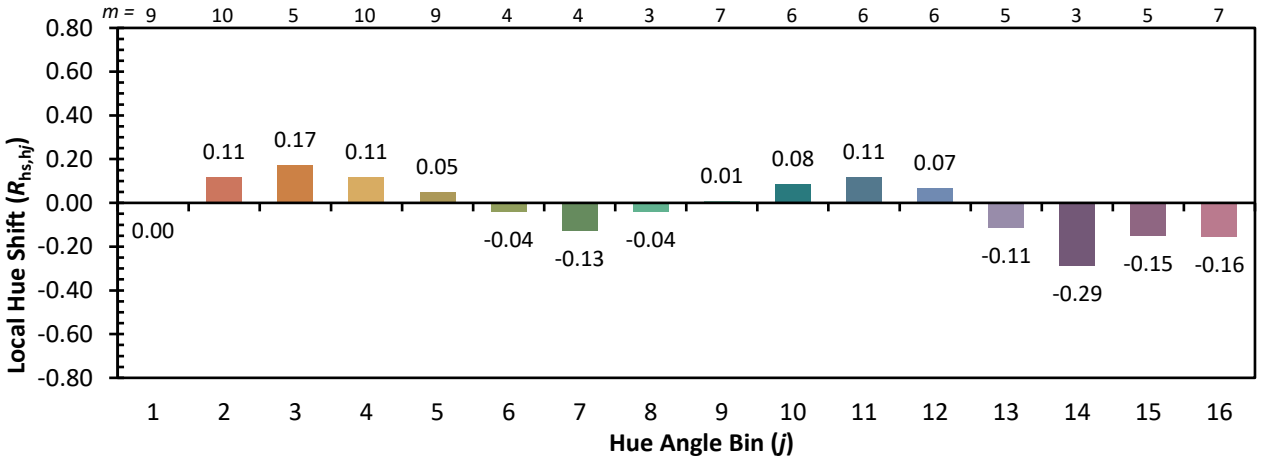
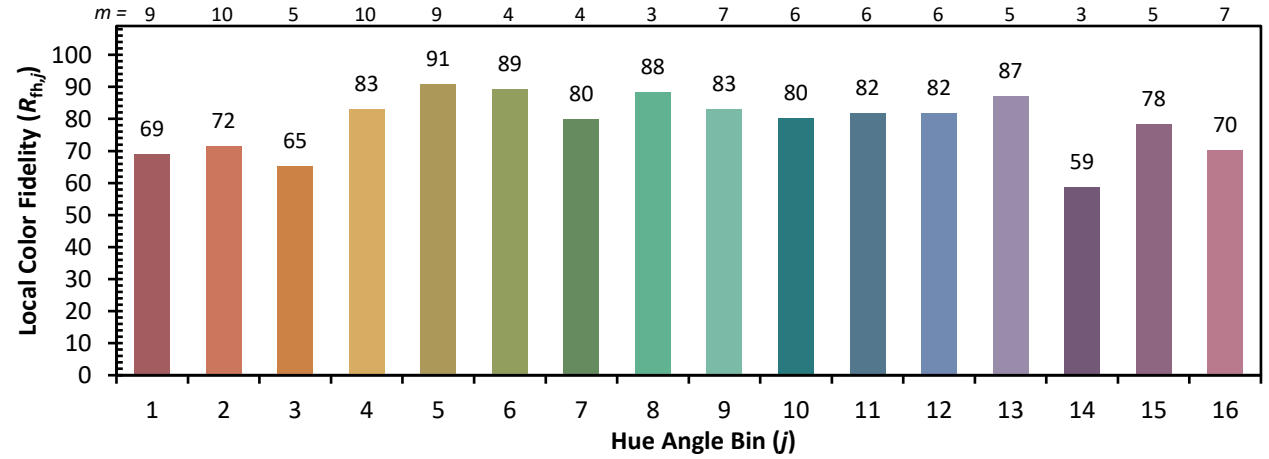
Color Rendition by Hue-Angle Bin







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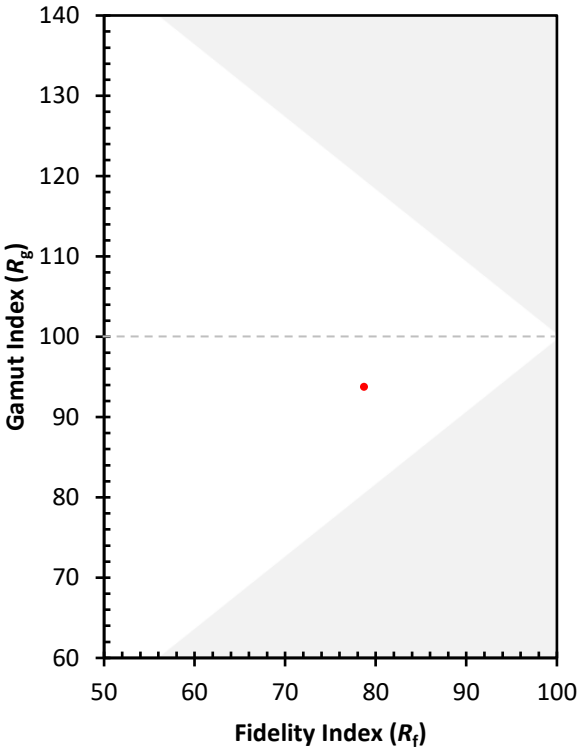
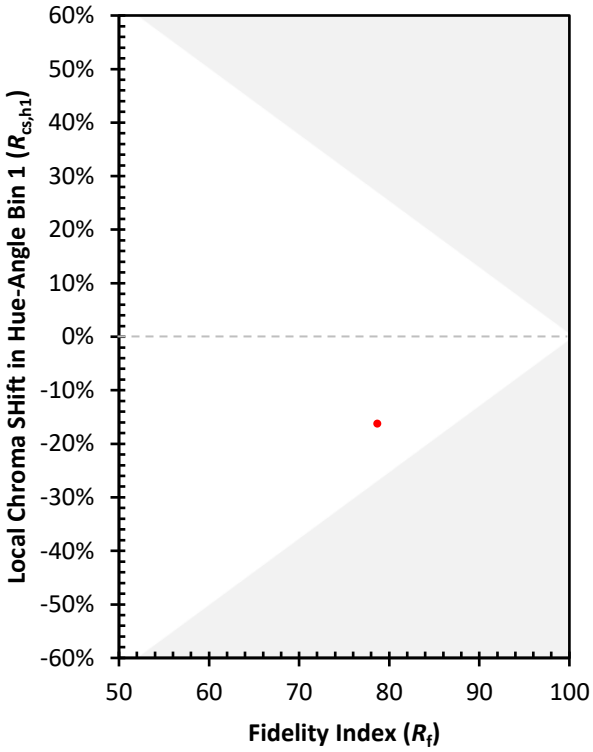
Measure Comparisons





(END OF REPORT)