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: P980974

Luminaire Tested: **NFFLD-L-C175-7040-66**

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:	P980974
Test Lab:	INNOVATION CENTER(G2)
Issue Date:	04/10/2025
Manufacturer:	COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line:	LUMARK
Catalog Number:	NFFLD-L-C175-7040-66
Description:	LUMARK NIGHT FALCON LARGE SIZE 370W 70CRI 4000K LED FIXTURE NEMA 6
Light Source:	(4) 4000K CCT, 70 CRI LEDS
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	55525.8 lumens
Efficiency:	N/A
Efficacy:	148.9 lumens/watt
Luminous Opening:	Rectangular (W 1' x L: 0.67' x H: 0')
IES Classification:	Type I - Short
BUG Rating:	B5 - U0 - G3

Input Watts (W):	372.8
Input Voltage (V):	120
Input Current (Ain):	NR
Voltage Rise (V):	NR
Power Factor:	0.99
Total Harmonic Distortion (THDi):	2.62%
Frequency (hertz):	60
Stabilization Time:	NR
Operation Time:	NR
Ambient Temperature (°C):	NR
Test Distance:	28.75 FT

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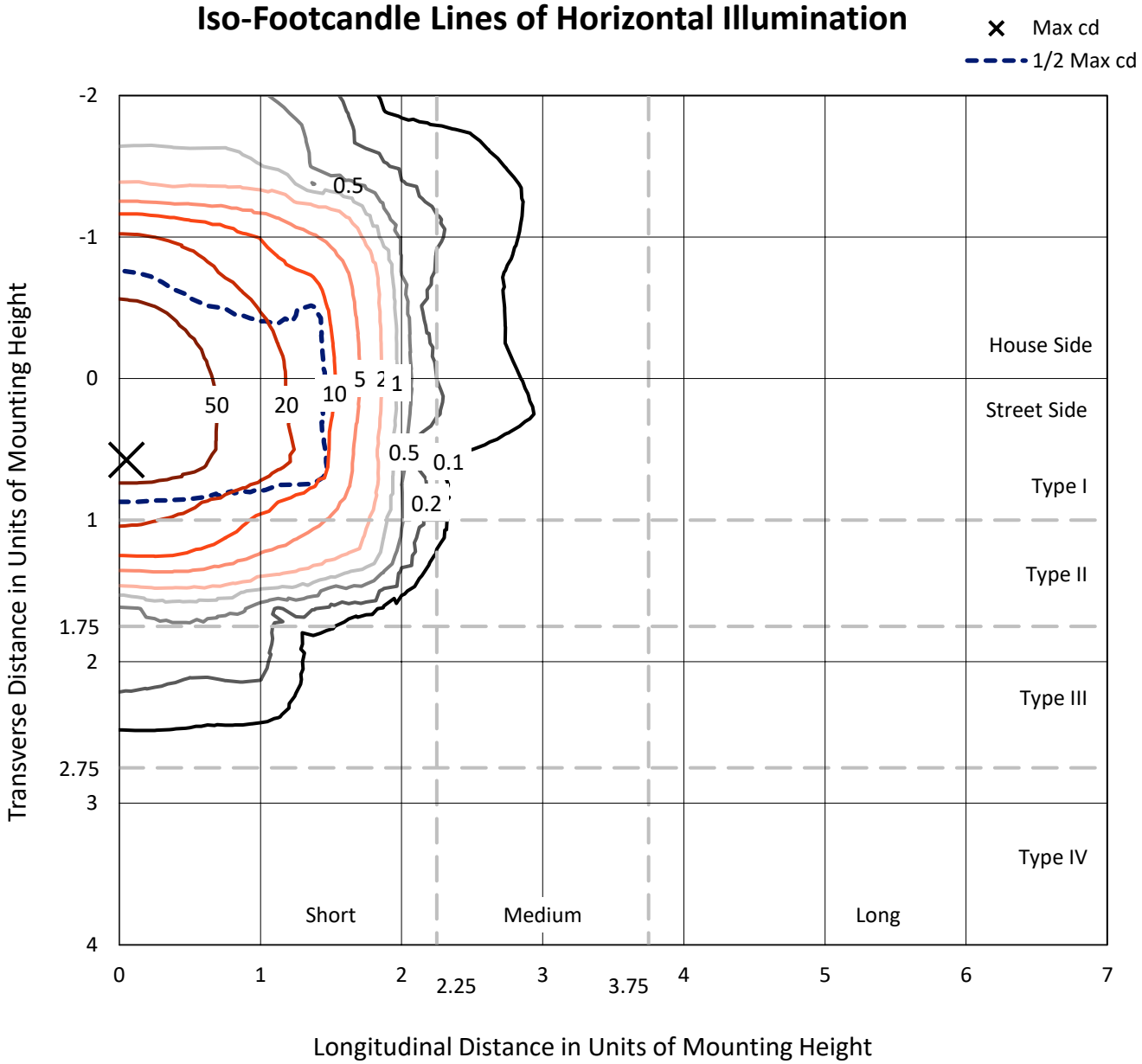
REPORT NUMBER: P980974
CATALOG NUMBER: NFFLD-L-C175-7040-66

Iso-Footcandle Lines of Horizontal Illumination



Based on 15 foot mounting height. Maximum calculated value = 103.2 fc
Type I - Short - N/A

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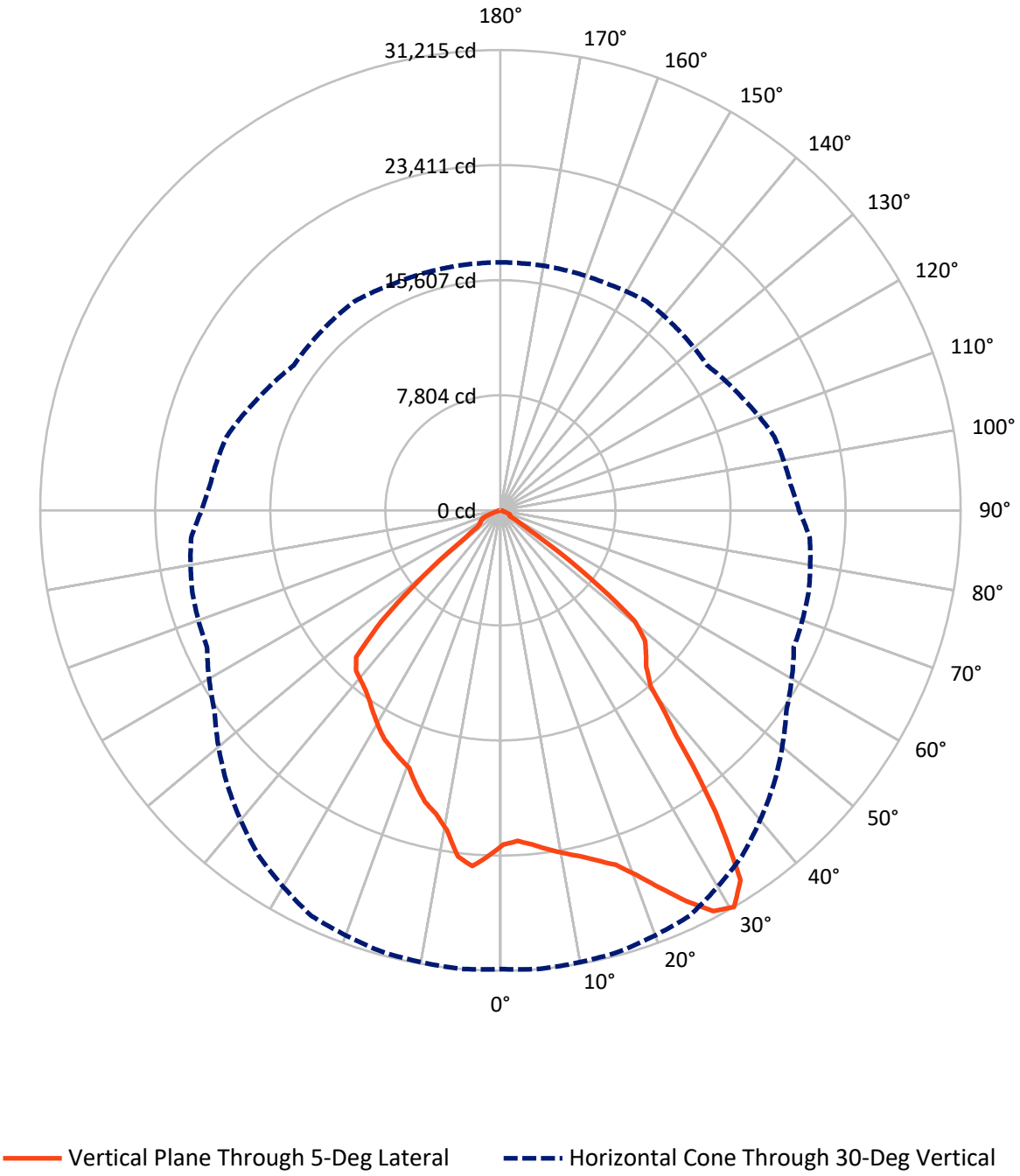
CATALOG NUMBER: NFFLD-L-C175-7040-66

Luminous Intensity Polar Plot



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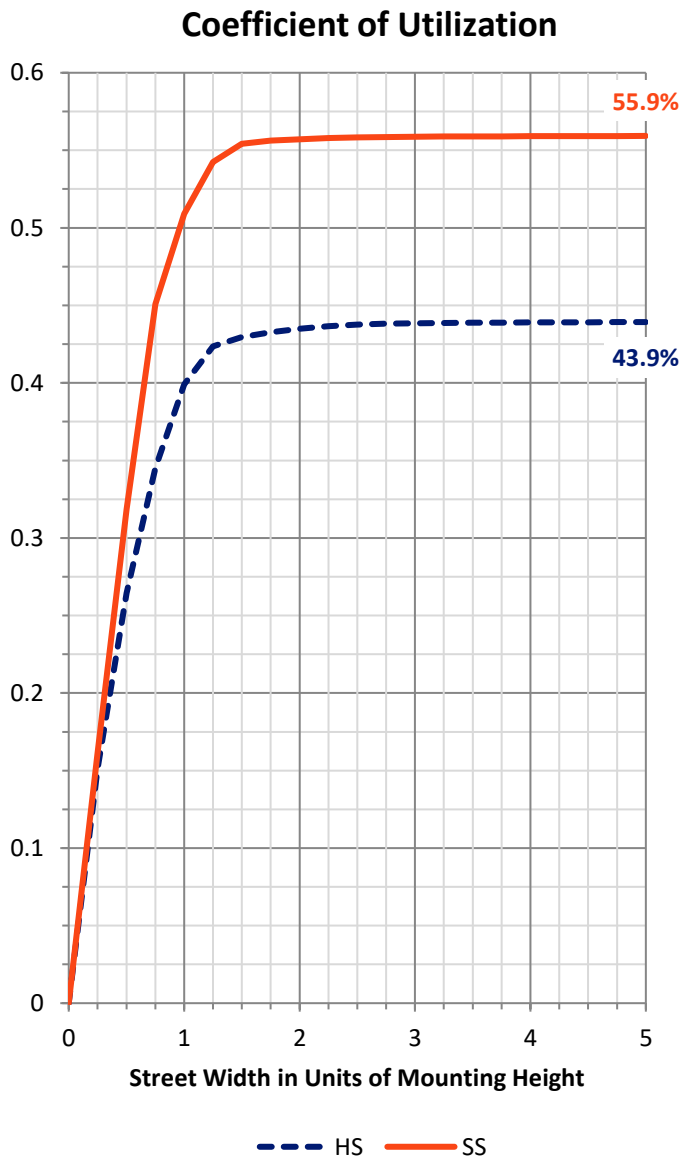
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	24558.5	0.0	24558.5
	% Fixture	44.2	0.0	44.2
Street Side	Lumens	30967.3	0.0	30967.3
	% Fixture	55.8	0.0	55.8
Total	Lumens	55525.8	0.0	55525.8
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	2217.0	4.0
10°-20°	6422.4	11.6
20°-30°	10234.7	18.4
30°-40°	12795.0	23.0
40°-50°	12556.2	22.6
50°-60°	8976.9	16.2
60°-70°	1986.2	3.6
70°-80°	305.1	0.5
80°-90°	32.3	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°	55525.8	100.0
0°-180°	55525.8	100.0



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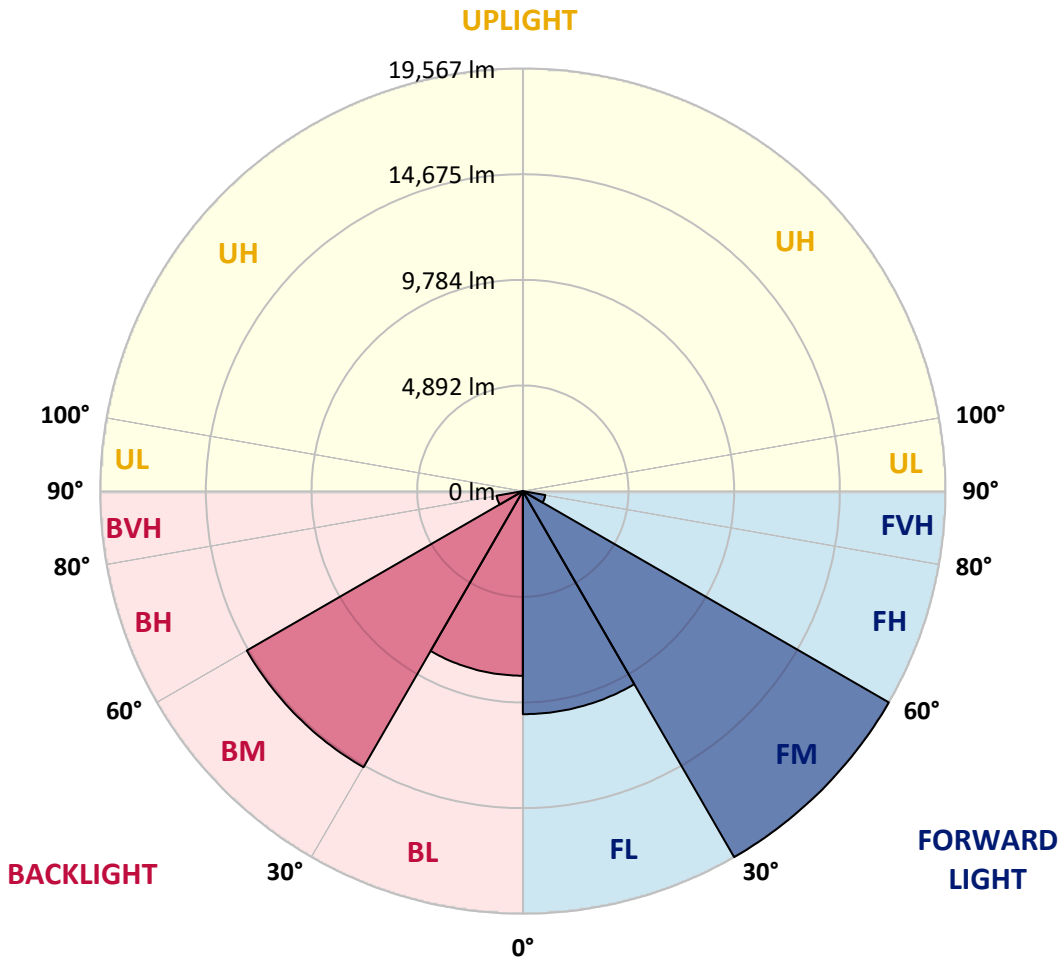
REPORT NUMBER: P980974
CATALOG NUMBER: NFFLD-L-C175-7040-66

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	10327.3	18.6			
FM	(30°-60°)	19567.3	35.2			
FH	(60°-80°)	1056.4	1.9			G1/1800
FVH	(80°-90°)	16.3	0.0			G1/100
BL	(0°-30°)	8546.8	15.4	B5		
BM	(30°-60°)	14760.9	26.6	B5		
BH	(60°-80°)	1234.8	2.2	B3/2500		G3/2500
BVH	(80°-90°)	16.0	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-G3
Type I Short



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Scaled Data Report

REPORT NUMBER: P980974
CATALOG NUMBER: NFFLD-L-C175-7040-66

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	22663.7	*22663.7*	22663.7	22663.7	22663.7	22663.7	22663.7	22663.7	22663.7	22663.7	22663.7
2.5°	22410.1	*22446.3*	22482.5	22536.9	22609.4	22645.6	22609.4	22573.1	22555.0	22591.2	22609.4
5°	22718.1	*22772.4*	22790.5	22826.8	22863.0	22826.8	22808.6	22772.4	22754.3	22772.4	22826.8
7.5°	23171.0	*23207.2*	23189.1	23171.0	23152.9	23026.0	22899.2	22844.9	22844.9	22899.2	23044.2
10°	23569.5	*23642.0*	23551.4	23479.0	23352.1	23152.9	22935.5	22808.6	22844.9	22953.6	23134.7
12.5°	24076.8	*24076.8*	23986.2	23913.7	23623.9	23388.4	23098.5	22899.2	22899.2	23098.5	23297.8
15°	24692.8	*24638.4*	24602.2	24402.9	24058.7	23678.2	23315.9	23026.0	22971.7	23279.7	23406.5
17.5°	25471.8	*25272.5*	25181.9	24837.7	24366.7	23877.5	23388.4	23152.9	22989.8	23315.9	23171.0
20°	26540.6	*26395.7*	26105.8	25562.3	24602.2	23968.1	23388.4	23080.4	22953.6	23134.7	22989.8
22.5°	27917.5	*27826.9*	27174.7	26486.3	25218.1	24040.6	23297.8	22881.1	22844.9	22754.3	22446.3
25°	29602.3	*29366.8*	28696.5	27718.2	26142.1	24747.1	23279.7	22518.8	22392.0	22156.5	21613.0
27.5°	31033.5	*30779.9*	29964.7	29095.1	27410.2	25797.9	23424.6	22084.0	21939.1	21776.0	21105.7
30°	*31106.0*	*31214.7*	*30997.3*	*30345.1*	*28587.8*	*26232.7*	*23678.2*	*21957.2*	*21631.1*	*21051.3*	*20254.2*
32.5°	29638.6	*29892.2*	30417.6	30653.1	29475.5	26758.0	23895.6	22011.5	21413.7	20018.7	19366.5
35°	24620.3	*25127.6*	27283.4	29312.5	29729.1	27518.9	24076.8	22011.5	21341.2	19275.9	18768.7
37.5°	18913.6	*19330.3*	21160.0	24837.7	28605.9	27990.0	24475.4	21884.7	21250.6	19330.3	18641.9
40°	15453.4	*15688.9*	16486.0	18986.1	24656.5	27210.9	24873.9	22029.6	20978.9	19366.5	18714.3
42.5°	14511.3	*14493.2*	14330.1	15254.1	18804.9	24928.3	25145.7	22392.0	20526.0	19131.0	18587.5
45°	13877.2	*13841.0*	13696.1	13877.2	14873.6	20399.2	24946.4	23044.2	19964.4	18297.6	17935.3
47.5°	13188.8	*13206.9*	13152.6	13225.0	13043.9	15489.6	23823.2	23315.9	19004.2	16902.7	16775.9
50°	11540.2	*11811.9*	12536.6	12609.1	12138.0	12500.4	20399.2	23189.1	18315.8	16504.1	16395.4
52.5°	7174.1	*7608.9*	9746.7	11558.3	11286.6	11286.6	15562.1	23370.3	17083.8	16359.2	16431.6
55°	2536.3	*2862.4*	5217.5	7953.1	10109.0	10308.3	12301.1	20797.7	16938.9	16612.8	16685.3
57.5°	634.1	*779.0*	1594.2	3442.1	6811.8	9348.1	10996.7	17174.4	12862.7	12409.8	12591.0
60°	742.8	*724.7*	996.4	1105.1	2645.0	7391.5	9909.7	11594.5	8297.3	7772.0	7862.6
62.5°	797.1	*742.8*	779.0	978.3	434.8	3623.3	7898.8	6902.4	3424.0	2536.3	2681.2
65°	706.5	*670.3*	616.0	905.8	308.0	670.3	4655.9	2029.0	489.1	779.0	706.5
67.5°	471.0	*489.1*	507.3	724.7	289.9	289.9	616.0	507.3	344.2	706.5	616.0
70°	271.7	*289.9*	344.2	434.8	289.9	235.5	271.7	416.7	289.9	706.5	616.0
72.5°	163.0	*163.0*	163.0	181.2	289.9	199.3	181.2	344.2	253.6	652.2	616.0
75°	126.8	*126.8*	126.8	108.7	253.6	126.8	126.8	271.7	217.4	471.0	471.0
77.5°	108.7	*108.7*	108.7	90.6	144.9	108.7	108.7	199.3	199.3	235.5	271.7
80°	72.5	*72.5*	72.5	72.5	90.6	90.6	72.5	108.7	90.6	108.7	126.8
82.5°	36.2	*54.3*	54.3	36.2	54.3	54.3	54.3	72.5	54.3	72.5	72.5
85°	18.1	*18.1*	18.1	18.1	18.1	18.1	18.1	36.2	18.1	18.1	36.2
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: P980974
CATALOG NUMBER: NFFLD-L-C175-7040-66

CANDELA DISTRIBUTION (continued):

	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	22663.7	22663.7	22663.7	22663.7	22663.7	22663.7	22663.7	22663.7	22663.7	22663.7
2.5°	22645.6	22736.2	22863.0	23062.3	23134.7	23261.6	23370.3	23460.8	23460.8	23424.6
5°	22935.5	23189.1	23533.3	23841.3	23950.0	24076.8	24131.1	24221.7	24203.6	24185.5
7.5°	23189.1	23587.7	23950.0	24167.4	24131.1	23968.1	23859.4	23714.5	23660.1	23696.4
10°	23388.4	23750.7	23913.7	23768.8	23334.0	22953.6	22464.4	22138.3	21975.3	22029.6
12.5°	23460.8	23587.7	23442.7	22645.6	22102.1	21739.8	21341.2	21123.8	21033.2	21051.3
15°	23479.0	23189.1	22392.0	21794.1	21395.6	20942.6	20616.6	20417.3	20417.3	20435.4
17.5°	23098.5	22392.0	21703.5	21250.6	20689.0	20218.0	20036.8	19964.4	19511.4	19583.9
20°	22754.3	21739.8	21359.3	20652.8	19982.5	19674.5	18623.7	18515.0	18533.2	18551.3
22.5°	22029.6	21268.7	20924.5	20000.6	19239.7	18388.2	18243.3	18134.6	18152.7	18152.7
25°	21033.2	20598.4	20127.4	19167.2	18243.3	18080.2	17971.5	17826.6	17754.1	17772.3
27.5°	20471.6	19928.1	19058.5	18243.3	17645.4	17717.9	17591.1	17373.7	17373.7	17391.8
30°	*19765.1*	*19239.7*	*18080.2*	*17120.1*	*17174.4*	*17283.1*	*16975.1*	*16866.4*	*16812.1*	*16812.1*
32.5°	18895.5	18170.8	17156.3	16250.5	16576.6	16540.3	16159.9	16196.1	16232.4	16196.1
35°	18243.3	17301.2	16449.8	15960.6	15833.8	15688.9	15489.6	15616.4	15670.8	15634.5
37.5°	18080.2	16957.0	16069.3	15725.1	15236.0	14964.2	15018.6	15145.4	15217.8	15199.7
40°	18025.9	16612.8	15743.2	15380.9	14728.7	14493.2	14565.6	14819.3	14909.9	14891.7
42.5°	17953.4	16377.3	15543.9	15109.1	14203.3	14040.3	14384.5	14620.0	14638.1	14620.0
45°	17573.0	16123.7	15417.1	14547.5	13406.2	13605.5	14040.3	14167.1	13949.7	13859.1
47.5°	16685.3	15652.6	15036.7	13859.1	12754.0	13134.4	13188.8	11811.9	11014.8	10833.7
50°	16431.6	15670.8	14601.9	13043.9	12355.4	12735.9	10362.6	7916.9	6920.5	6721.2
52.5°	16359.2	15489.6	14764.9	12192.4	12210.5	10743.1	6540.0	3876.9	3116.0	2971.1
55°	16540.3	16286.7	15036.7	11685.1	11359.0	6993.0	3043.6	1829.8	1884.1	1829.8
57.5°	12482.3	13623.6	15362.8	10888.0	8297.3	3369.7	1920.3	1775.4	1648.6	1612.4
60°	7790.1	8877.1	11250.3	9366.2	4257.4	2010.9	1956.6	1648.6	1594.2	1576.1
62.5°	2572.5	3949.4	6449.5	6159.6	1177.6	1992.8	1974.7	1467.4	1467.4	1467.4
65°	652.2	670.3	1775.4	2119.6	869.6	1775.4	1884.1	1376.9	1340.6	1395.0
67.5°	561.6	507.3	942.1	833.4	724.7	1231.9	1648.6	1322.5	1250.0	1250.0
70°	561.6	597.8	923.9	779.0	452.9	670.3	1195.7	815.2	724.7	670.3
72.5°	525.4	579.7	815.2	706.5	308.0	326.1	525.4	271.7	253.6	217.4
75°	452.9	471.0	634.1	634.1	326.1	163.0	217.4	181.2	181.2	163.0
77.5°	308.0	235.5	362.3	452.9	235.5	108.7	90.6	90.6	90.6	72.5
80°	163.0	90.6	90.6	72.5	90.6	90.6	54.3	72.5	72.5	54.3
82.5°	90.6	54.3	54.3	36.2	36.2	54.3	36.2	36.2	36.2	36.2
85°	36.2	36.2	18.1	18.1	18.1	36.2	18.1	18.1	18.1	18.1
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	18.1	18.1
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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

Lumark

Report Number: SP1-2501-319-13

Test Date: 02/05/2025

Luminaire Tested: NFFLD-C55-7040-66

Data in this report applies to families of products including NFFLD-C55-7040-66

Report Generated By FNC07603 / LDUCLS01DT446
Version: v7.04

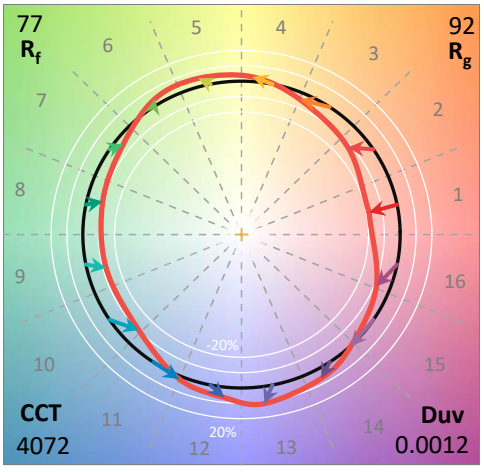
Test Information

Test Method:	LM-79-2019
Report Number:	SP1-2501-319-13
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-C55-7040-66**
Description:	LUMARK NIGHT FALCON 16900LM NEMA 6

Spectral Parameters

CCT (K):	4072	CRI (Ra):	73.2		
CIE u':	0.2232	R1:	68.7	R9:	-38.7
CIE v':	0.5017	R2:	82.1	R10:	58.6
Duv:	0.0012	R3:	92.3	R11:	65.6
CIE x:	0.3781	R4:	69.9	R12:	52.4
CIE y:	0.3777	R5:	69.8	R13:	71.5
CIE z:	0.2442	R6:	75.1	R14:	95.9
Peak Wavelength (nm):	582	R7:	79.8	R15:	60.5
Dominant Wavelength (nm):	578	R8:	47.9		
Purity:	26.82001				

Rf:	76.8
Rg:	91.7



Test Conditions

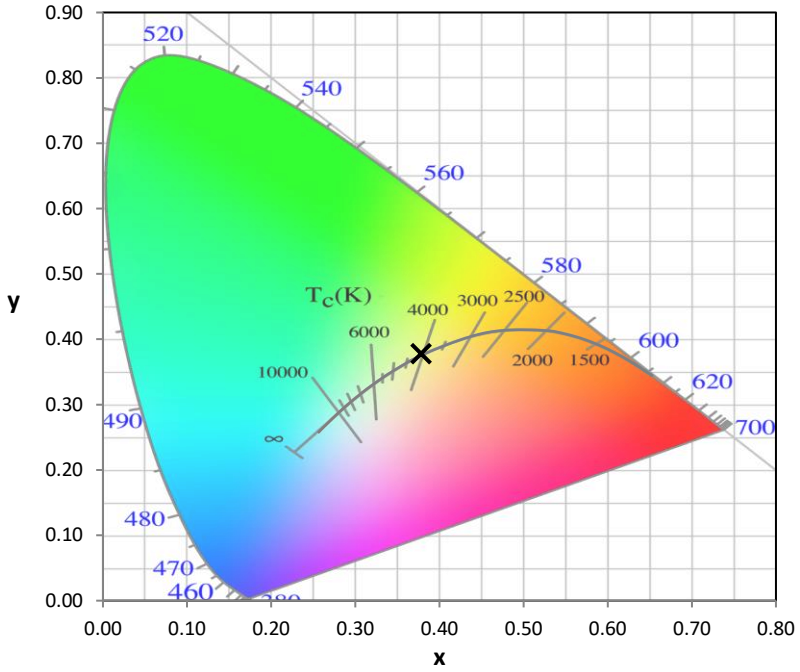
Stabilization Time:	38M
Operation Time:	1H 38M
Sphere Temperature (°C):	25.0

REPORT NUMBER: SP1-2501-319-13

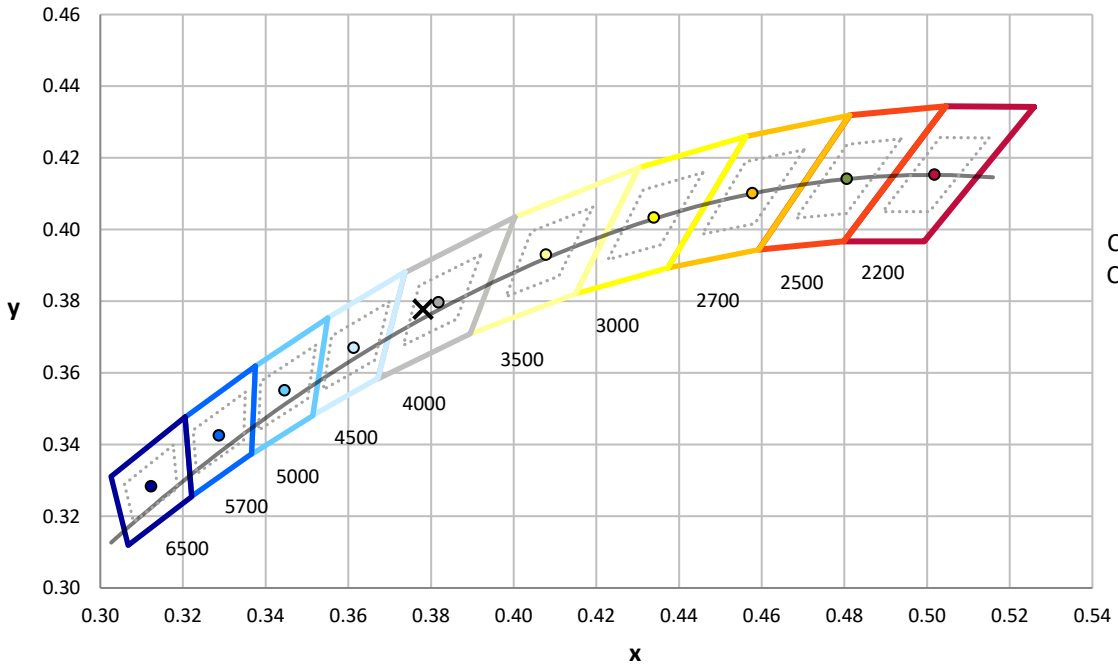
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	12/16/2024	6/16/2025
Power Meter	INXT2011004	1/212025	1/21/2026
AC Power Source	IN0063	10/22/2024	10/22/2025
DC Power Source	IN0208	10/22/2024	10/22/2025
Sphere Thermometer	IN0085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

REPORT NUMBER: SP1-2501-319-13

CIE 1931 Chromaticity Diagram



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

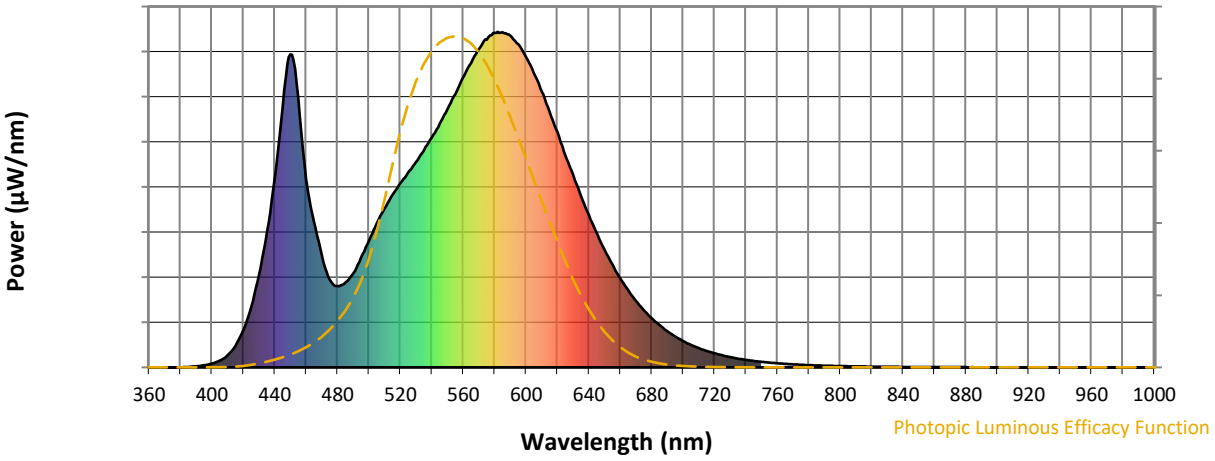


CCT = 4072K
CIE x = 0.3781
CIE y = 0.3777
Duv = 0.0012

Point lies inside the ANSI 4000K 4-step quadrangle

REPORT NUMBER: SP1-2501-319-13

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	280	NR	620	701	NR	750	16	NR	880	1	NR
365	0	NR	495	327	NR	625	633	NR	755	14	NR	885	0	NR
370	0	NR	500	378	NR	630	573	NR	760	12	NR	890	0	NR
375	0	NR	505	429	NR	635	511	NR	765	10	NR	895	0	NR
380	0	NR	510	474	NR	640	454	NR	770	9	NR	900	0	NR
385	1	NR	515	514	NR	645	400	NR	775	8	NR	905	0	NR
390	3	NR	520	549	NR	650	350	NR	780	7	NR	910	0	NR
395	6	NR	525	581	NR	655	306	NR	785	6	NR	915	0	NR
400	11	NR	530	613	NR	660	265	NR	790	5	NR	920	0	NR
405	20	NR	535	647	NR	665	230	NR	795	4	NR	925	0	NR
410	37	NR	540	685	NR	670	198	NR	800	4	NR	930	0	NR
415	65	NR	545	727	NR	675	170	NR	805	3	NR	935	0	NR
420	111	NR	550	770	NR	680	147	NR	810	3	NR	940	0	NR
425	180	NR	555	815	NR	685	126	NR	815	3	NR	945	0	NR
430	275	NR	560	864	NR	690	107	NR	820	2	NR	950	0	NR
435	403	NR	565	907	NR	695	92	NR	825	2	NR	955	0	NR
440	562	NR	570	948	NR	700	78	NR	830	2	NR	960	0	NR
445	775	NR	575	977	NR	705	67	NR	835	2	NR	965	0	NR
450	933	NR	580	997	NR	710	57	NR	840	1	NR	970	0	NR
455	801	NR	585	999	NR	715	49	NR	845	1	NR	975	0	NR
460	562	NR	590	988	NR	720	42	NR	850	1	NR	980	0	NR
465	433	NR	595	963	NR	725	36	NR	855	1	NR	985	0	NR
470	332	NR	600	925	NR	730	31	NR	860	1	NR	990	0	NR
475	261	NR	605	877	NR	735	26	NR	865	1	NR	995	0	NR
480	243	NR	610	822	NR	740	22	NR	870	1	NR	1000	0	NR
485	253	NR	615	762	NR	745	19	NR	875	1	NR			

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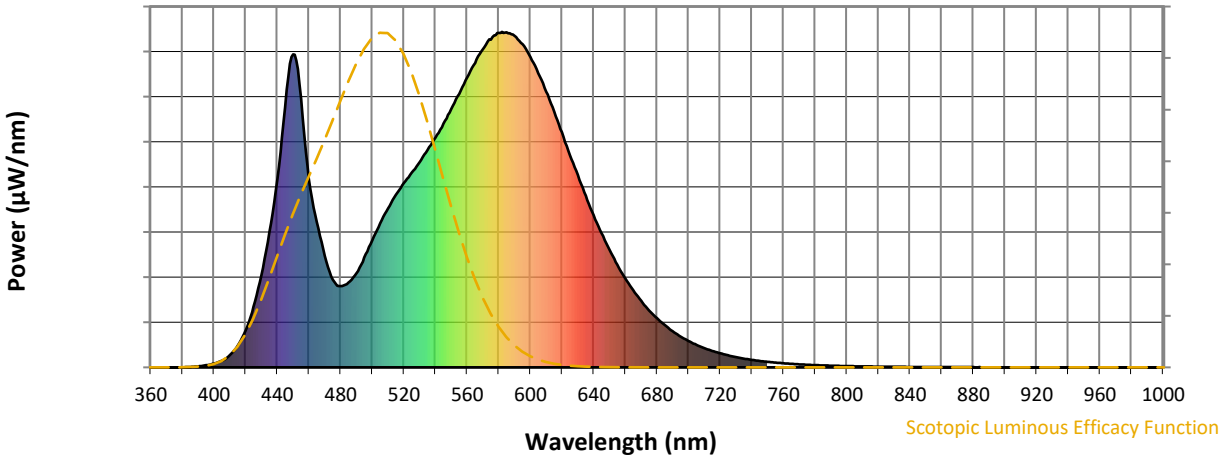
Scotopic Flux vs. Wavelength



Scotopic Lumens: NR **S/P: 1.6**

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	280	NR	620	701	NR	750	16	NR	880	1	NR
365	0	NR	495	327	NR	625	633	NR	755	14	NR	885	0	NR
370	0	NR	500	378	NR	630	573	NR	760	12	NR	890	0	NR
375	0	NR	505	429	NR	635	511	NR	765	10	NR	895	0	NR
380	0	NR	510	474	NR	640	454	NR	770	9	NR	900	0	NR
385	1	NR	515	514	NR	645	400	NR	775	8	NR	905	0	NR
390	3	NR	520	549	NR	650	350	NR	780	7	NR	910	0	NR
395	6	NR	525	581	NR	655	306	NR	785	6	NR	915	0	NR
400	11	NR	530	613	NR	660	265	NR	790	5	NR	920	0	NR
405	20	NR	535	647	NR	665	230	NR	795	4	NR	925	0	NR
410	37	NR	540	685	NR	670	198	NR	800	4	NR	930	0	NR
415	65	NR	545	727	NR	675	170	NR	805	3	NR	935	0	NR
420	111	NR	550	770	NR	680	147	NR	810	3	NR	940	0	NR
425	180	NR	555	815	NR	685	126	NR	815	3	NR	945	0	NR
430	275	NR	560	864	NR	690	107	NR	820	2	NR	950	0	NR
435	403	NR	565	907	NR	695	92	NR	825	2	NR	955	0	NR
440	562	NR	570	948	NR	700	78	NR	830	2	NR	960	0	NR
445	775	NR	575	977	NR	705	67	NR	835	2	NR	965	0	NR
450	933	NR	580	997	NR	710	57	NR	840	1	NR	970	0	NR
455	801	NR	585	999	NR	715	49	NR	845	1	NR	975	0	NR
460	562	NR	590	988	NR	720	42	NR	850	1	NR	980	0	NR
465	433	NR	595	963	NR	725	36	NR	855	1	NR	985	0	NR
470	332	NR	600	925	NR	730	31	NR	860	1	NR	990	0	NR
475	261	NR	605	877	NR	735	26	NR	865	1	NR	995	0	NR
480	243	NR	610	822	NR	740	22	NR	870	1	NR	1000	0	NR
485	253	NR	615	762	NR	745	19	NR	875	1	NR			

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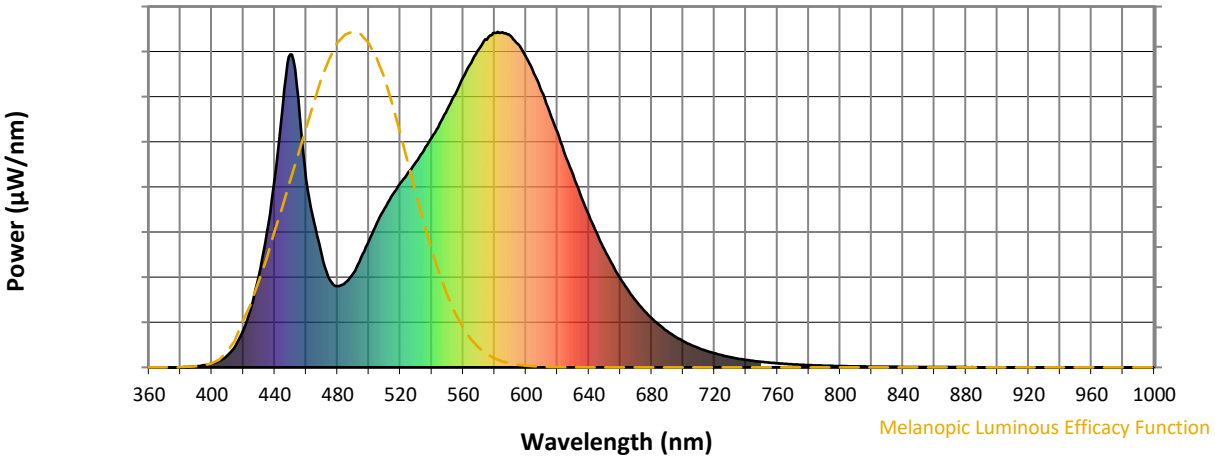
Melanopic Flux vs. Wavelength



Melanopic Lumens: NR **M/P: 3.24**

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	280	NR	620	701	NR	750	16	NR	880	1	NR
365	0	NR	495	327	NR	625	633	NR	755	14	NR	885	0	NR
370	0	NR	500	378	NR	630	573	NR	760	12	NR	890	0	NR
375	0	NR	505	429	NR	635	511	NR	765	10	NR	895	0	NR
380	0	NR	510	474	NR	640	454	NR	770	9	NR	900	0	NR
385	1	NR	515	514	NR	645	400	NR	775	8	NR	905	0	NR
390	3	NR	520	549	NR	650	350	NR	780	7	NR	910	0	NR
395	6	NR	525	581	NR	655	306	NR	785	6	NR	915	0	NR
400	11	NR	530	613	NR	660	265	NR	790	5	NR	920	0	NR
405	20	NR	535	647	NR	665	230	NR	795	4	NR	925	0	NR
410	37	NR	540	685	NR	670	198	NR	800	4	NR	930	0	NR
415	65	NR	545	727	NR	675	170	NR	805	3	NR	935	0	NR
420	111	NR	550	770	NR	680	147	NR	810	3	NR	940	0	NR
425	180	NR	555	815	NR	685	126	NR	815	3	NR	945	0	NR
430	275	NR	560	864	NR	690	107	NR	820	2	NR	950	0	NR
435	403	NR	565	907	NR	695	92	NR	825	2	NR	955	0	NR
440	562	NR	570	948	NR	700	78	NR	830	2	NR	960	0	NR
445	775	NR	575	977	NR	705	67	NR	835	2	NR	965	0	NR
450	933	NR	580	997	NR	710	57	NR	840	1	NR	970	0	NR
455	801	NR	585	999	NR	715	49	NR	845	1	NR	975	0	NR
460	562	NR	590	988	NR	720	42	NR	850	1	NR	980	0	NR
465	433	NR	595	963	NR	725	36	NR	855	1	NR	985	0	NR
470	332	NR	600	925	NR	730	31	NR	860	1	NR	990	0	NR
475	261	NR	605	877	NR	735	26	NR	865	1	NR	995	0	NR
480	243	NR	610	822	NR	740	22	NR	870	1	NR	1000	0	NR
485	253	NR	615	762	NR	745	19	NR	875	1	NR			

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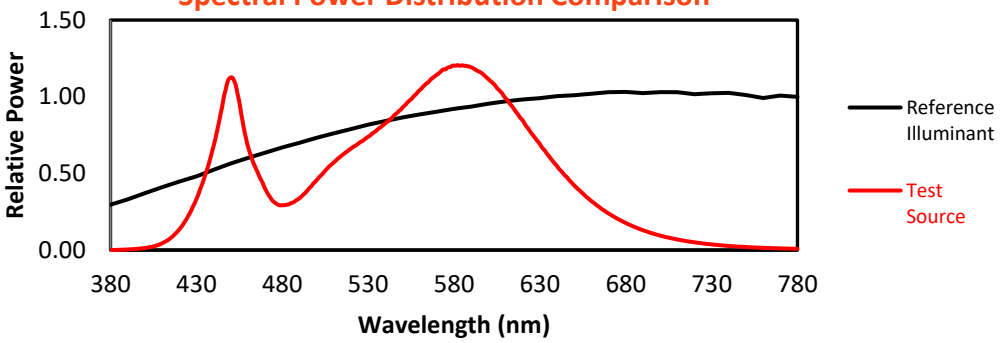
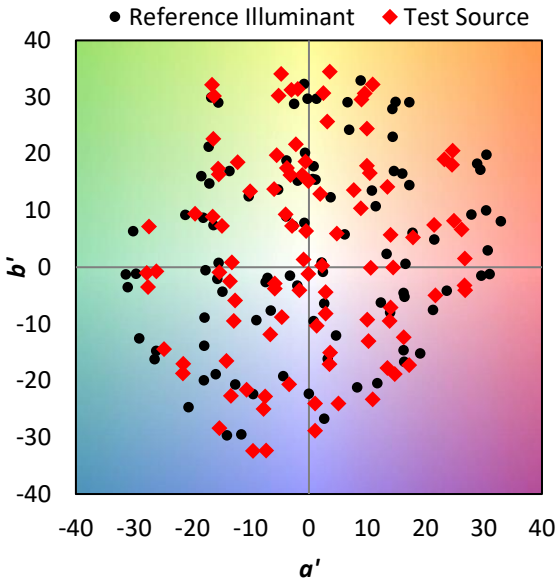
Summary

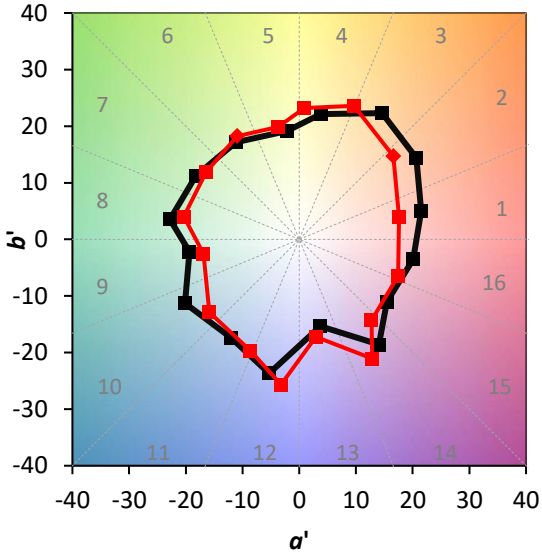
R_f = 76.8
R_g = 91.7
CIE R_a = 73.2
R_9 = -38.7

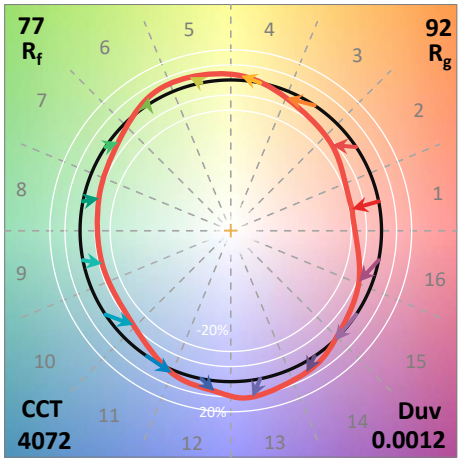
Spectral Power Distribution Comparison

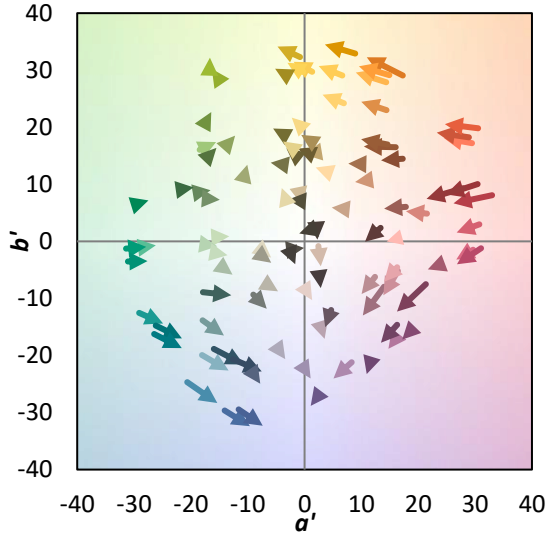


Color Vector Graphics









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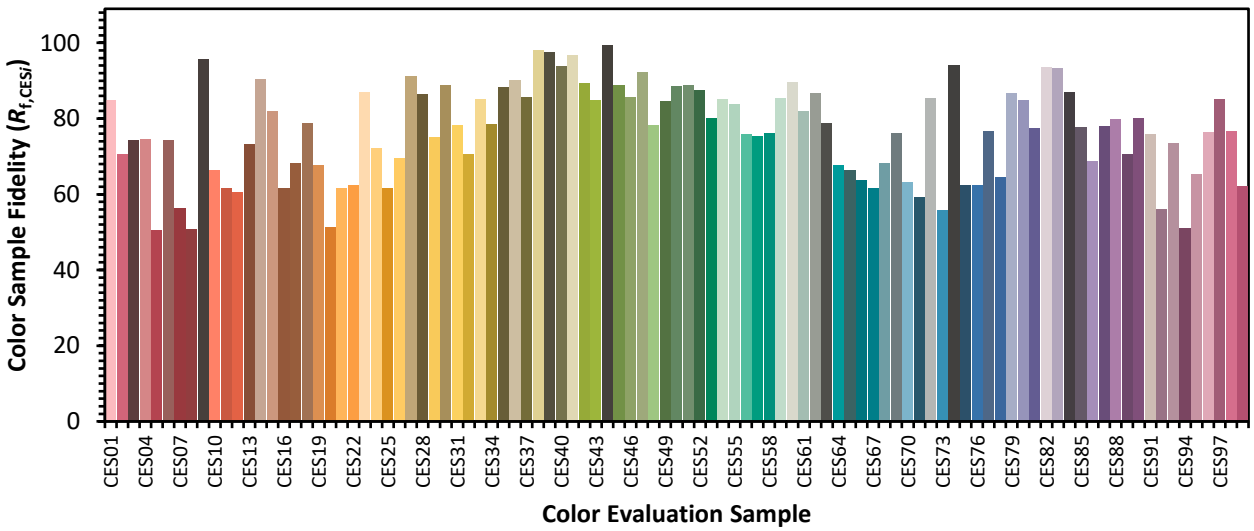
Individual Sample Fidelity Index ($R_{f,i}$)

CES01 = 85	CES26 = 70	CES51 = 89	CES76 = 62
CES02 = 61	CES27 = 91	CES52 = 87	CES77 = 77
CES03 = 30	CES28 = 87	CES53 = 80	CES78 = 65
CES04 = 70	CES29 = 75	CES54 = 85	CES79 = 87
CES05 = 47	CES30 = 89	CES55 = 84	CES80 = 85
CES06 = 50	CES31 = 78	CES56 = 76	CES81 = 77
CES07 = 39	CES32 = 70	CES57 = 75	CES82 = 94
CES08 = 38	CES33 = 85	CES58 = 76	CES83 = 93
CES09 = 29	CES34 = 79	CES59 = 85	CES84 = 87
CES10 = 74	CES35 = 88	CES60 = 90	CES85 = 78
CES11 = 57	CES36 = 90	CES61 = 82	CES86 = 69
CES12 = 63	CES37 = 86	CES62 = 87	CES87 = 78
CES13 = 42	CES38 = 98	CES63 = 79	CES88 = 80
CES14 = 74	CES39 = 98	CES64 = 68	CES89 = 71
CES15 = 71	CES40 = 94	CES65 = 66	CES90 = 80
CES16 = 46	CES41 = 97	CES66 = 64	CES91 = 76
CES17 = 49	CES42 = 89	CES67 = 62	CES92 = 56
CES18 = 56	CES43 = 85	CES68 = 68	CES93 = 73
CES19 = 72	CES44 = 99	CES69 = 76	CES94 = 51
CES20 = 64	CES45 = 89	CES70 = 63	CES95 = 65
CES21 = 86	CES46 = 86	CES71 = 59	CES96 = 76
CES22 = 78	CES47 = 92	CES72 = 85	CES97 = 85
CES23 = 92	CES48 = 78	CES73 = 56	CES98 = 77
CES24 = 91	CES49 = 85	CES74 = 94	CES99 = 62
CES25 = 72	CES50 = 89	CES75 = 62	



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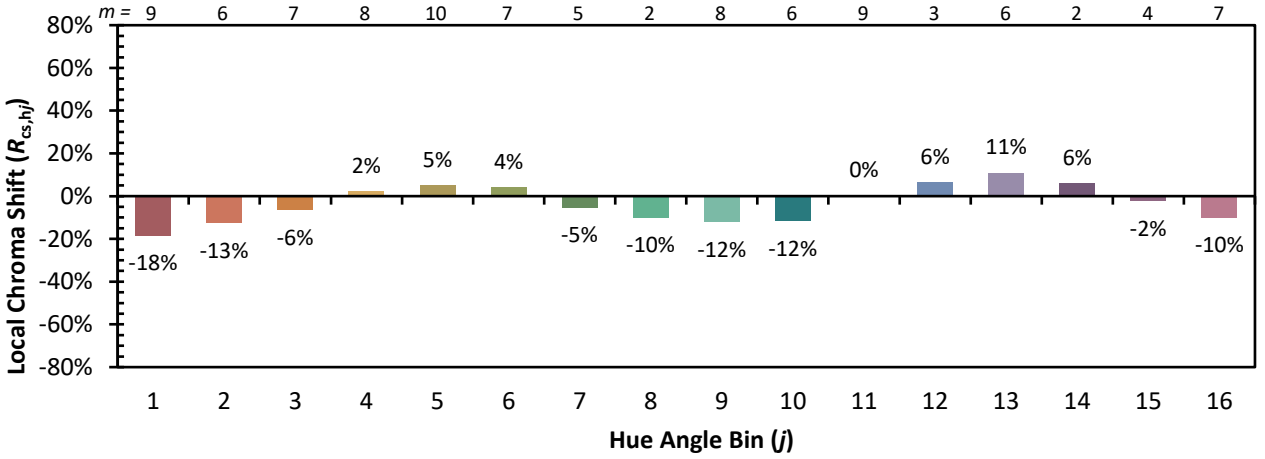
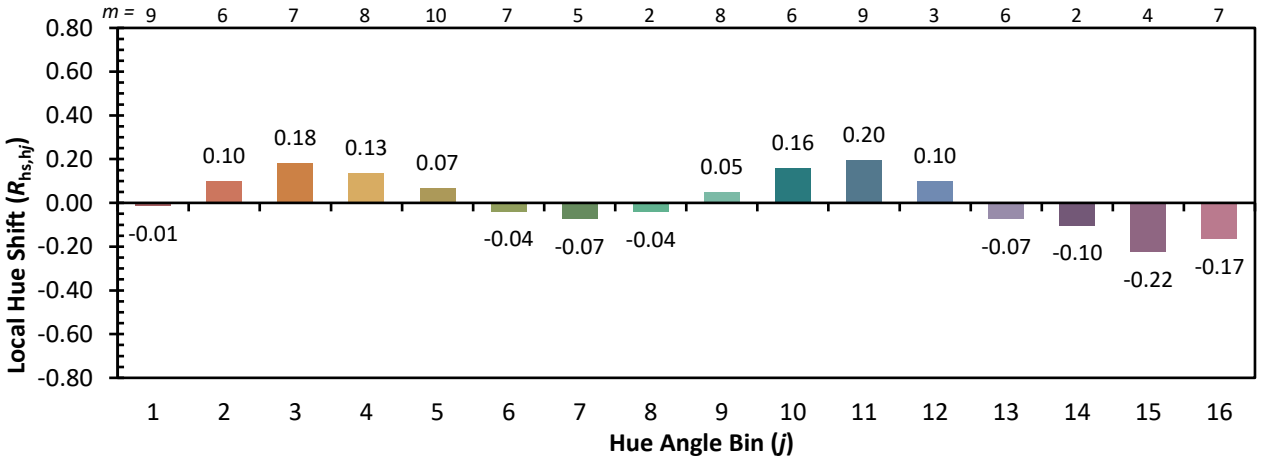
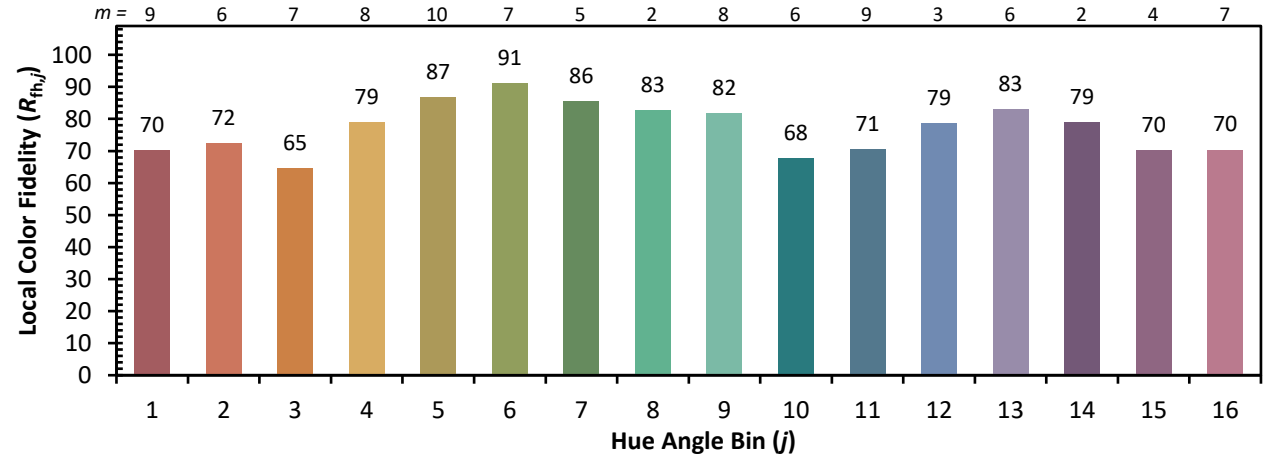
Color Rendition by Hue-Angle Bin







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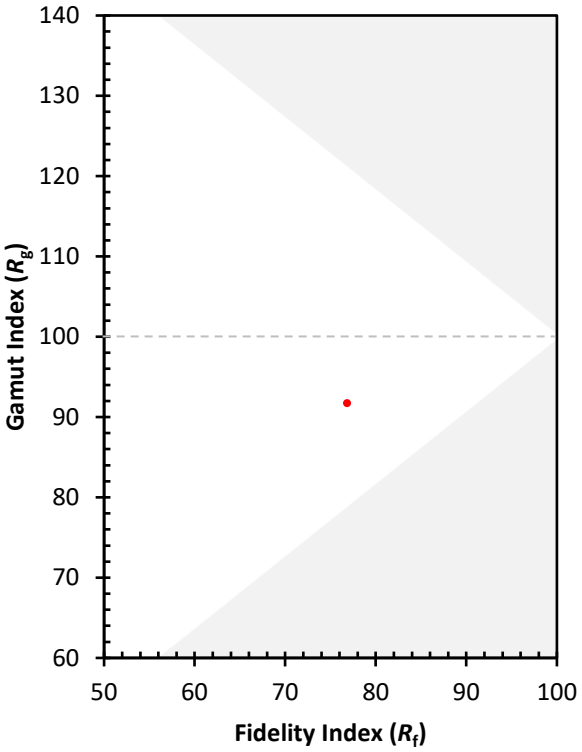
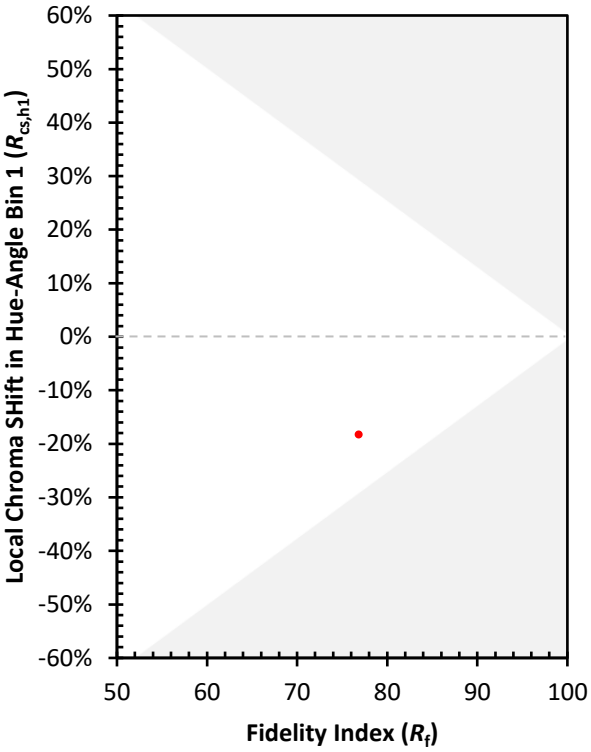
Measure Comparisons





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