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: P980952

Luminaire Tested: **NFFLD-L-C175-7027-66**

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:	P980952
Test Lab:	INNOVATION CENTER(G2)
Issue Date:	04/10/2025
Manufacturer:	COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line:	LUMARK
Catalog Number:	NFFLD-L-C175-7027-66
Description:	LUMARK NIGHT FALCON LARGE SIZE 370W 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:	50528.5 lumens
Efficiency:	N/A
Efficacy:	135.5 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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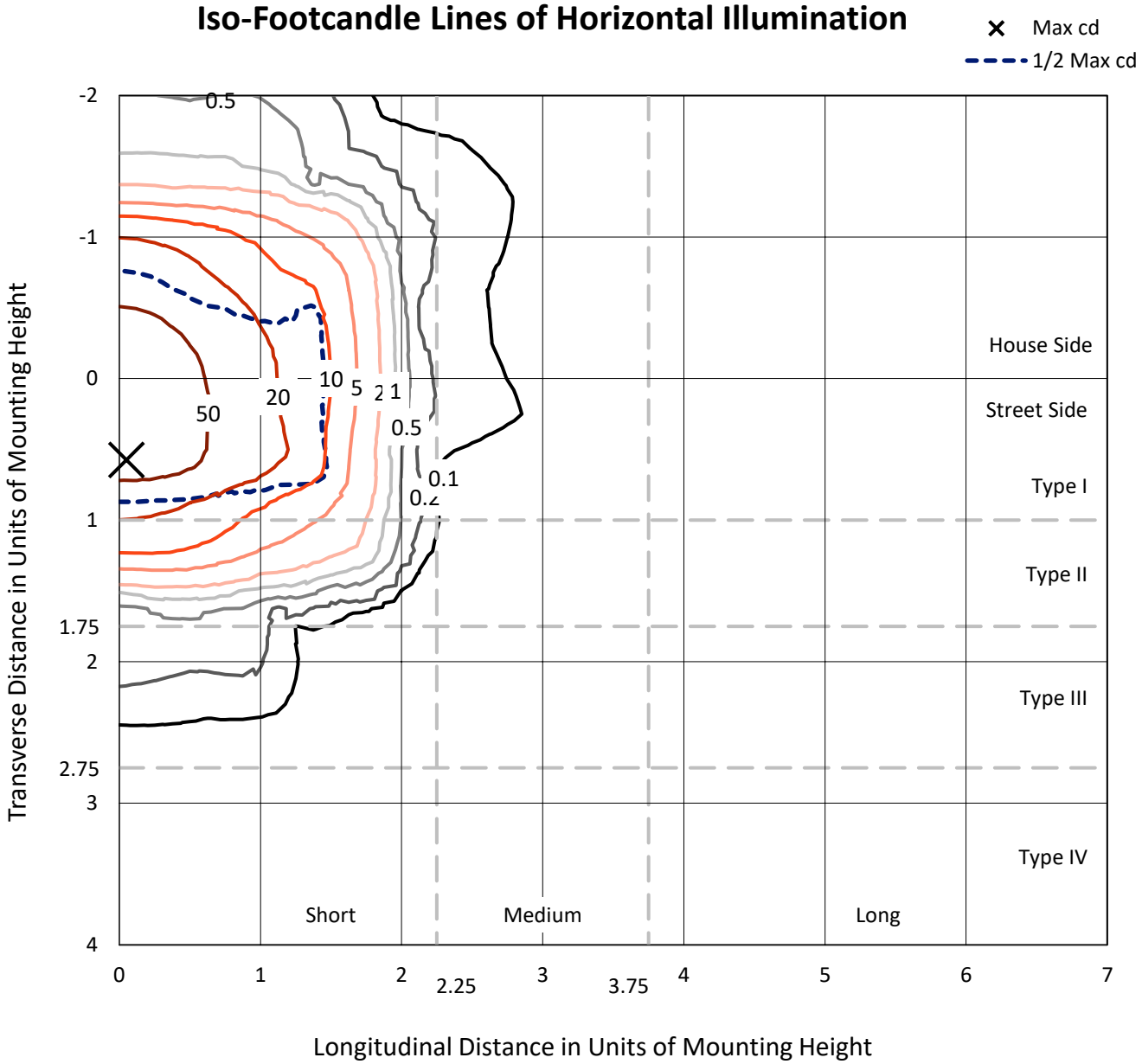
REPORT NUMBER: P980952
CATALOG NUMBER: NFFLD-L-C175-7027-66

Iso-Footcandle Lines of Horizontal Illumination



Based on 15 foot mounting height. Maximum calculated value = 93.9 fc
Type I - Short - N/A

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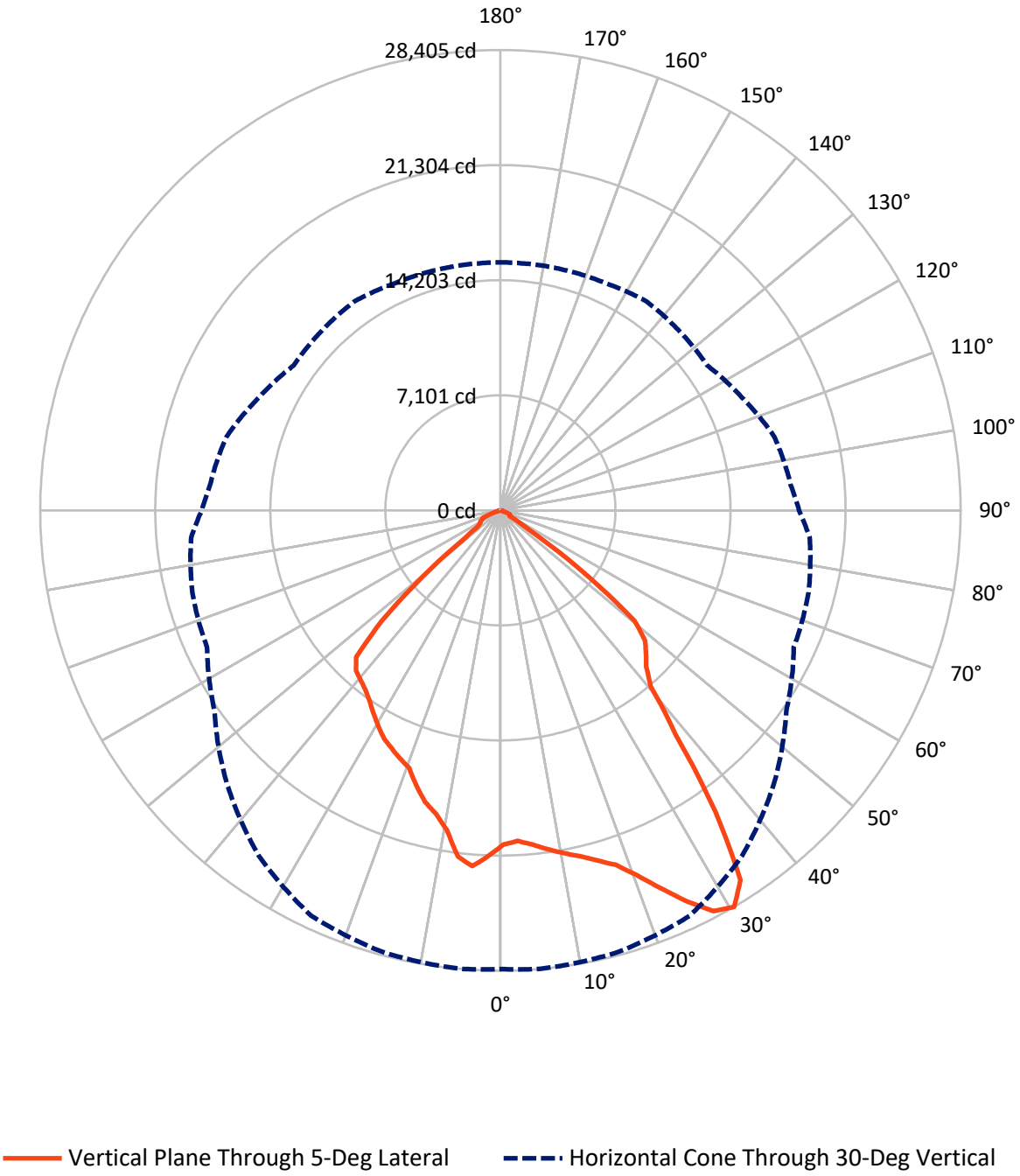
Luminous Intensity Polar Plot



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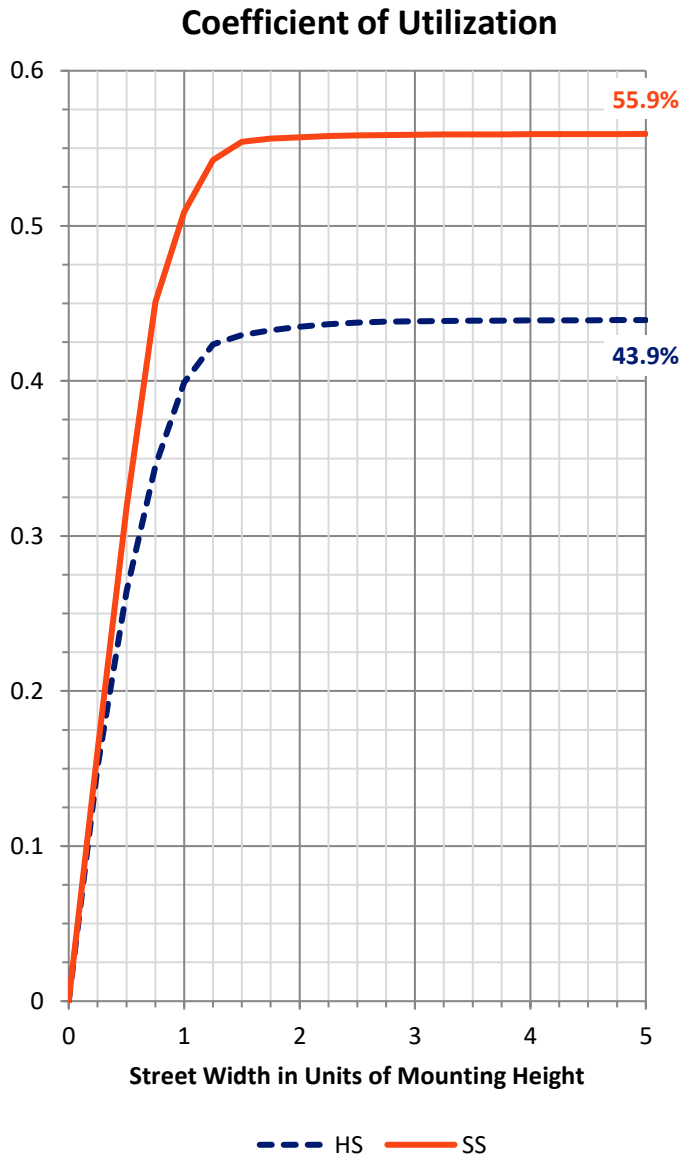
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	22348.2	0.0	22348.2
	% Fixture	44.2	0.0	44.2
Street Side	Lumens	28180.2	0.0	28180.2
	% Fixture	55.8	0.0	55.8
Total	Lumens	50528.5	0.0	50528.5
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	2017.5	4.0
10°-20°	5844.4	11.6
20°-30°	9313.5	18.4
30°-40°	11643.5	23.0
40°-50°	11426.2	22.6
50°-60°	8169.0	16.2
60°-70°	1807.4	3.6
70°-80°	277.6	0.5
80°-90°	29.4	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°	50528.5	100.0
0°-180°	50528.5	100.0



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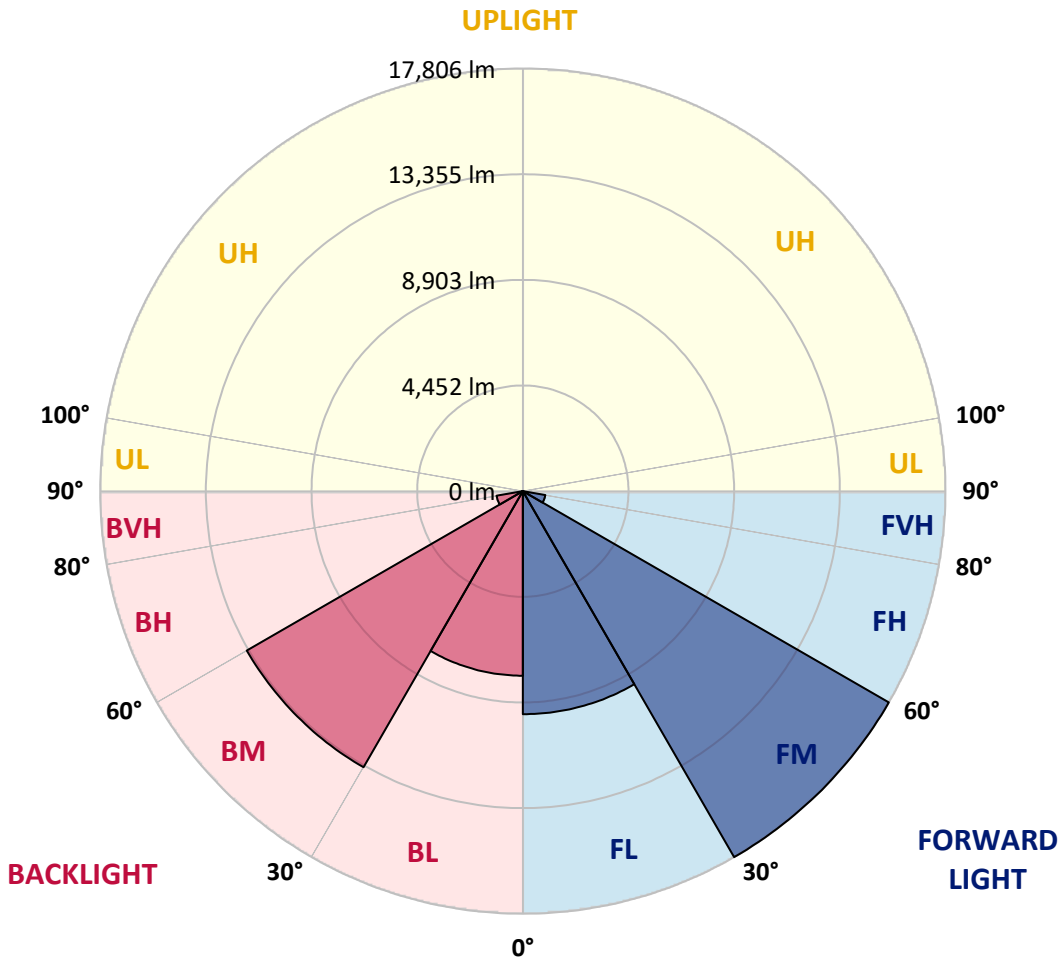
LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	9397.8	18.6			
FM	(30°-60°)	17806.2	35.2			
FH	(60°-80°)	961.3	1.9			G1/1800
FVH	(80°-90°)	14.8	0.0			G1/100
BL	(0°-30°)	7777.6	15.4	B5		
BM	(30°-60°)	13432.4	26.6	B5		
BH	(60°-80°)	1123.7	2.2	B3/2500		G3/2500
BVH	(80°-90°)	14.5	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-G3
Type I Short



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Scaled Data Report

REPORT NUMBER: P980952
CATALOG NUMBER: NFFLD-L-C175-7027-66

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	20624.0	20624.0	20624.0	20624.0	20624.0	20624.0	20624.0	20624.0	20624.0	20624.0	20624.0
2.5°	20393.2	20426.1	20459.1	20508.6	20574.5	20607.5	20574.5	20541.5	20525.1	20558.0	20574.5
5°	20673.4	20722.9	20739.4	20772.4	20805.3	20772.4	20755.9	20722.9	20706.4	20722.9	20772.4
7.5°	21085.6	21118.6	21102.1	21085.6	21069.1	20953.7	20838.3	20788.8	20788.8	20838.3	20970.2
10°	21448.3	21514.2	21431.8	21365.8	21250.4	21069.1	20871.3	20755.9	20788.8	20887.8	21052.6
12.5°	21909.9	21909.9	21827.5	21761.5	21497.7	21283.4	21019.6	20838.3	20838.3	21019.6	21201.0
15°	22470.4	22421.0	22388.0	22206.6	21893.4	21547.2	21217.5	20953.7	20904.2	21184.5	21299.9
17.5°	23179.3	22998.0	22915.5	22602.3	22173.7	21728.5	21283.4	21069.1	20920.7	21217.5	21085.6
20°	24152.0	24020.1	23756.3	23261.7	22388.0	21811.0	21283.4	21003.2	20887.8	21052.6	20920.7
22.5°	25404.9	25322.5	24729.0	24102.5	22948.5	21876.9	21201.0	20821.8	20788.8	20706.4	20426.1
25°	26938.1	26723.8	26113.8	25223.6	23789.3	22519.9	21184.5	20492.1	20376.7	20162.4	19667.8
27.5°	28240.5	28009.7	27267.8	26476.5	24943.3	23476.1	21316.4	20096.4	19964.5	19816.2	19206.2
30°	28306.5	28405.4	28207.5	27614.0	26014.9	23871.7	21547.2	19981.0	19684.3	19156.7	18431.3
32.5°	26971.1	27201.9	27680.0	27894.3	26822.7	24349.8	21745.0	20030.5	19486.4	18217.0	17623.5
35°	22404.5	22866.1	24827.9	26674.3	27053.5	25042.2	21909.9	20030.5	19420.5	17541.1	17079.5
37.5°	17211.4	17590.6	19255.6	22602.3	26031.4	25470.9	22272.6	19915.1	19338.1	17590.6	16964.1
40°	14062.6	14276.9	15002.3	17277.3	22437.4	24762.0	22635.3	20047.0	19090.8	17623.5	17030.0
42.5°	13205.3	13188.8	13040.4	13881.2	17112.5	22684.7	22882.6	20376.7	18678.6	17409.2	16914.6
45°	12628.3	12595.3	12463.4	12628.3	13535.0	18563.2	22701.2	20970.2	18167.6	16650.9	16321.1
47.5°	12001.8	12018.3	11968.8	12034.8	11869.9	14095.5	21679.1	21217.5	17293.8	15381.4	15266.0
50°	10501.6	10748.9	11408.3	11474.3	11045.6	11375.3	18563.2	21102.1	16667.3	15018.7	14919.8
52.5°	6528.5	6924.1	8869.5	10518.1	10270.8	10270.8	14161.5	21266.9	15546.3	14886.9	14952.8
55°	2308.0	2604.8	4748.0	7237.4	9199.2	9380.5	11194.0	18925.9	15414.4	15117.7	15183.6
57.5°	577.0	708.9	1450.8	3132.3	6198.7	8506.8	10007.0	15628.7	11705.1	11292.9	11457.8
60°	675.9	659.4	906.7	1005.6	2407.0	6726.3	9017.8	10551.0	7550.6	7072.5	7154.9
62.5°	725.4	675.9	708.9	890.2	395.7	3297.2	7187.9	6281.2	3115.9	2308.0	2439.9
65°	643.0	610.0	560.5	824.3	280.3	610.0	4236.9	1846.4	445.1	708.9	643.0
67.5°	428.6	445.1	461.6	659.4	263.8	263.8	560.5	461.6	313.2	643.0	560.5
70°	247.3	263.8	313.2	395.7	263.8	214.3	247.3	379.2	263.8	643.0	560.5
72.5°	148.4	148.4	148.4	164.9	263.8	181.3	164.9	313.2	230.8	593.5	560.5
75°	115.4	115.4	115.4	98.9	230.8	115.4	115.4	247.3	197.8	428.6	428.6
77.5°	98.9	98.9	98.9	82.4	131.9	98.9	98.9	181.3	181.3	214.3	247.3
80°	65.9	65.9	65.9	65.9	82.4	82.4	65.9	98.9	82.4	98.9	115.4
82.5°	33.0	49.5	49.5	33.0	49.5	49.5	49.5	65.9	49.5	65.9	65.9
85°	16.5	16.5	16.5	16.5	16.5	16.5	16.5	33.0	16.5	16.5	33.0
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: P980952
CATALOG NUMBER: NFFLD-L-C175-7027-66

CANDELA DISTRIBUTION (continued):

	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	20624.0	20624.0	20624.0	20624.0	20624.0	20624.0	20624.0	20624.0	20624.0	20624.0
2.5°	20607.5	20689.9	20805.3	20986.7	21052.6	21168.0	21266.9	21349.4	21349.4	21316.4
5°	20871.3	21102.1	21415.3	21695.6	21794.5	21909.9	21959.3	22041.8	22025.3	22008.8
7.5°	21102.1	21464.8	21794.5	21992.3	21959.3	21811.0	21712.1	21580.2	21530.7	21563.7
10°	21283.4	21613.1	21761.5	21629.6	21234.0	20887.8	20442.6	20145.9	19997.5	20047.0
12.5°	21349.4	21464.8	21332.9	20607.5	20112.9	19783.2	19420.5	19222.7	19140.2	19156.7
15°	21365.8	21102.1	20376.7	19832.7	19470.0	19057.8	18761.1	18579.7	18579.7	18596.2
17.5°	21019.6	20376.7	19750.2	19338.1	18827.0	18398.4	18233.5	18167.6	17755.4	17821.4
20°	20706.4	19783.2	19437.0	18794.0	18184.1	17903.8	16947.6	16848.7	16865.2	16881.7
22.5°	20047.0	19354.6	19041.3	18200.5	17508.1	16733.3	16601.4	16502.5	16519.0	16519.0
25°	19140.2	18744.6	18315.9	17442.2	16601.4	16453.0	16354.1	16222.2	16156.3	16172.8
27.5°	18629.2	18134.6	17343.3	16601.4	16057.4	16123.3	16007.9	15810.1	15810.1	15826.6
30°	*17986.2*	*17508.1*	*16453.0*	*15579.3*	*15628.7*	*15727.6*	*15447.4*	*15348.5*	*15299.0*	*15299.0*
32.5°	17194.9	16535.5	15612.2	14787.9	15084.7	15051.7	14705.5	14738.5	14771.5	14738.5
35°	16601.4	15744.1	14969.3	14524.2	14408.8	14276.9	14095.5	14210.9	14260.4	14227.4
37.5°	16453.0	15430.9	14623.1	14309.8	13864.7	13617.4	13666.9	13782.3	13848.2	13831.7
40°	16403.6	15117.7	14326.3	13996.6	13403.1	13188.8	13254.7	13485.5	13568.0	13551.5
42.5°	16337.6	14903.3	14145.0	13749.3	12925.0	12776.6	13089.9	13304.2	13320.7	13304.2
45°	15991.4	14672.5	14029.6	13238.3	12199.6	12381.0	12776.6	12892.0	12694.2	12611.8
47.5°	15183.6	14243.9	13683.4	12611.8	11606.1	11952.3	12001.8	10748.9	10023.5	9858.6
50°	14952.8	14260.4	13287.7	11869.9	11243.4	11589.7	9430.0	7204.4	6297.6	6116.3
52.5°	14886.9	14095.5	13436.1	11095.1	11111.6	9776.2	5951.4	3528.0	2835.6	2703.7
55°	15051.7	14820.9	13683.4	10633.5	10336.7	6363.6	2769.6	1665.1	1714.5	1665.1
57.5°	11358.8	12397.5	13980.1	9908.1	7550.6	3066.4	1747.5	1615.6	1500.2	1467.3
60°	7089.0	8078.1	10237.8	8523.3	3874.2	1829.9	1780.5	1500.2	1450.8	1434.3
62.5°	2341.0	3593.9	5869.0	5605.2	1071.6	1813.5	1797.0	1335.4	1335.4	1335.4
65°	593.5	610.0	1615.6	1928.9	791.3	1615.6	1714.5	1252.9	1220.0	1269.4
67.5°	511.1	461.6	857.3	758.4	659.4	1121.0	1500.2	1203.5	1137.5	1137.5
70°	511.1	544.0	840.8	708.9	412.1	610.0	1088.1	741.9	659.4	610.0
72.5°	478.1	527.6	741.9	643.0	280.3	296.7	478.1	247.3	230.8	197.8
75°	412.1	428.6	577.0	577.0	296.7	148.4	197.8	164.9	164.9	148.4
77.5°	280.3	214.3	329.7	412.1	214.3	98.9	82.4	82.4	82.4	65.9
80°	148.4	82.4	82.4	65.9	82.4	82.4	49.5	65.9	65.9	49.5
82.5°	82.4	49.5	49.5	33.0	33.0	49.5	33.0	33.0	33.0	33.0
85°	33.0	33.0	16.5	16.5	16.5	33.0	16.5	16.5	16.5	16.5
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	16.5	16.5
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

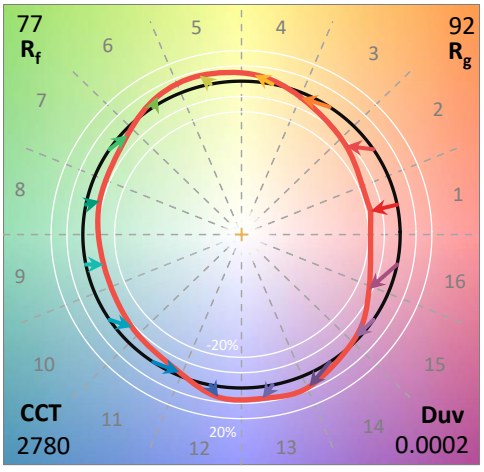
Test Information

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

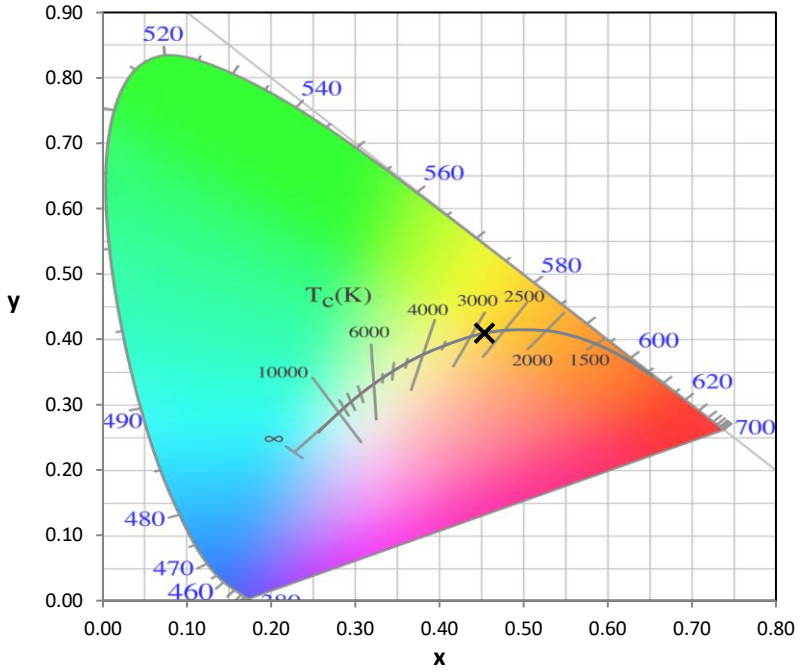
Stabilization Time:	20M
Operation Time:	1H 20M
Sphere Temperature (°C):	25.0

REPORT NUMBER: SP1-2501-319-9

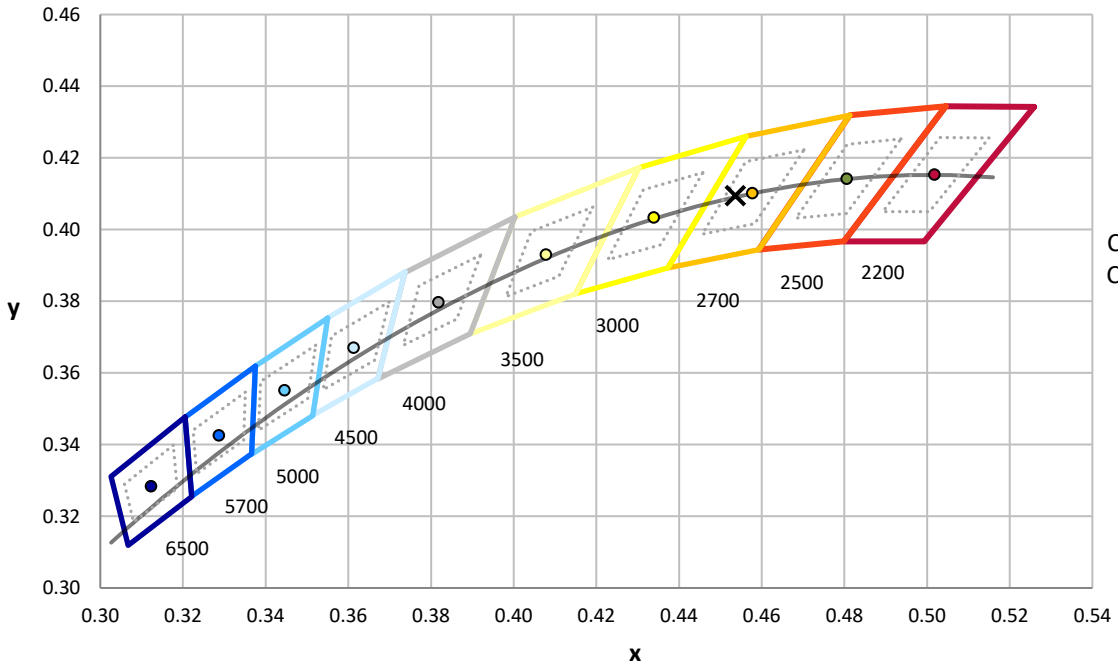
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	12/16/2024	6/16/2025
Power Meter	INXT2011004	1/212025	1/21/2026
AC Power Source	IN0063	10/22/2024	10/22/2025
DC Power Source	IN0208	10/22/2024	10/22/2025
Sphere Thermometer	IN0085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

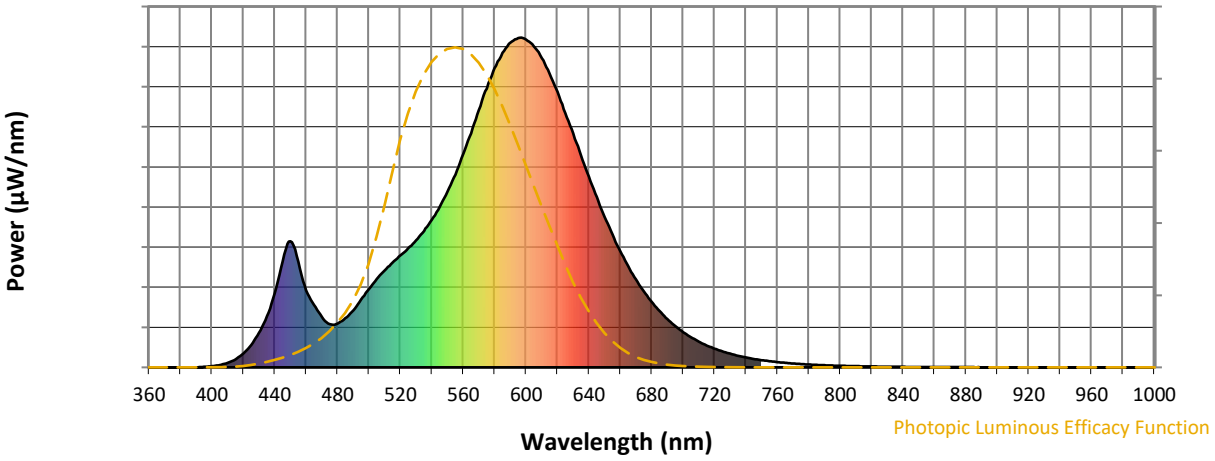


CCT = 2780K
CIE x = 0.4536
CIE y = 0.4095
Duv = 0.0002

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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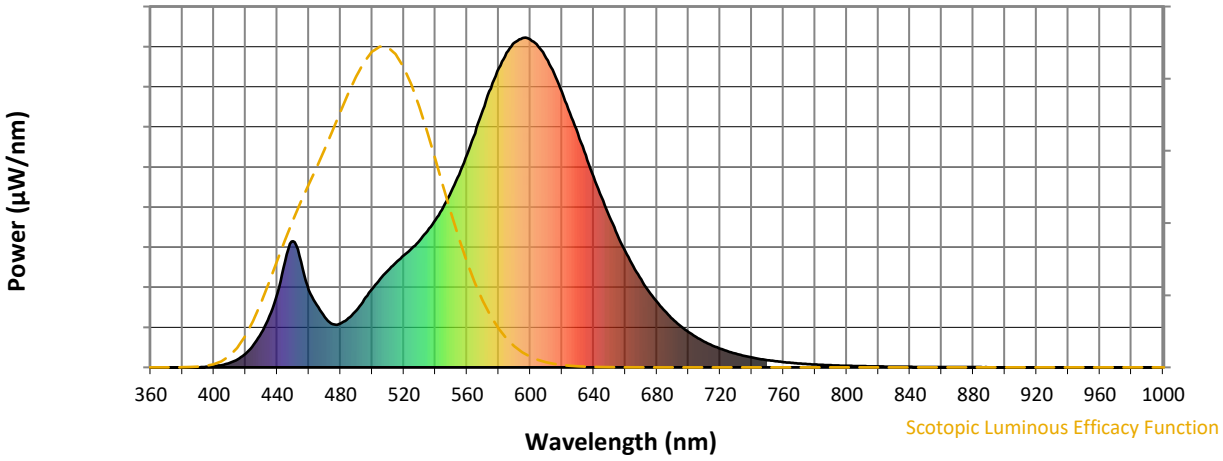
Scotopic Flux vs. Wavelength



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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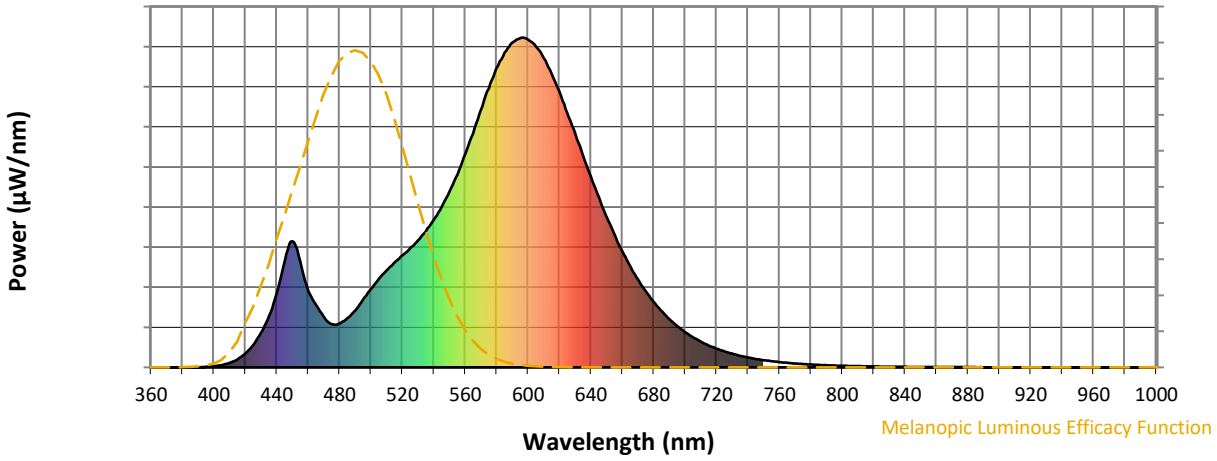
Melanopic Flux vs. Wavelength



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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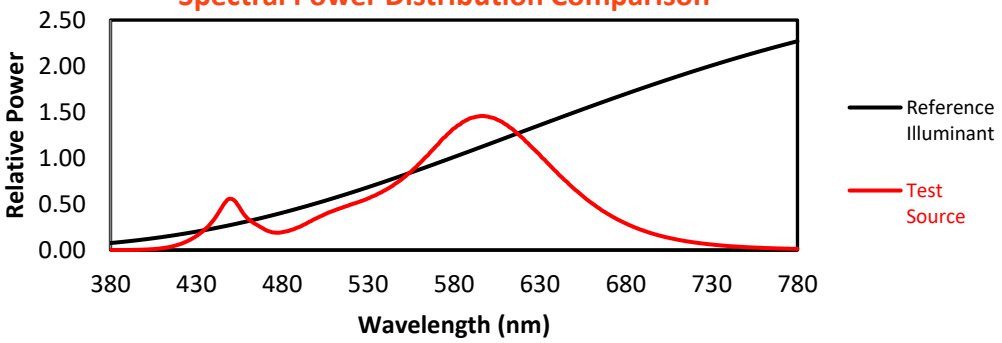
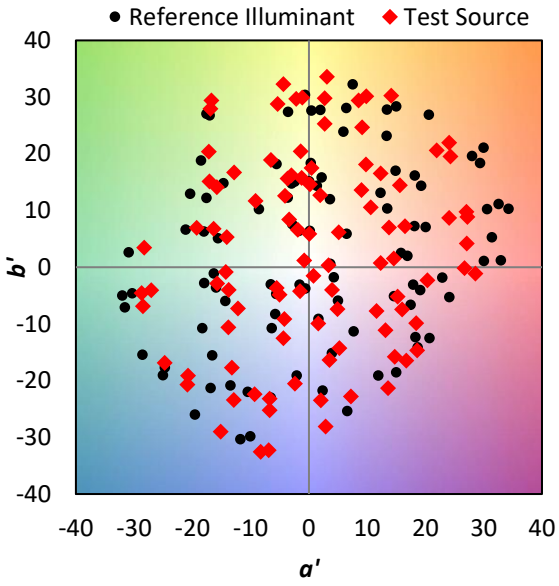
Summary

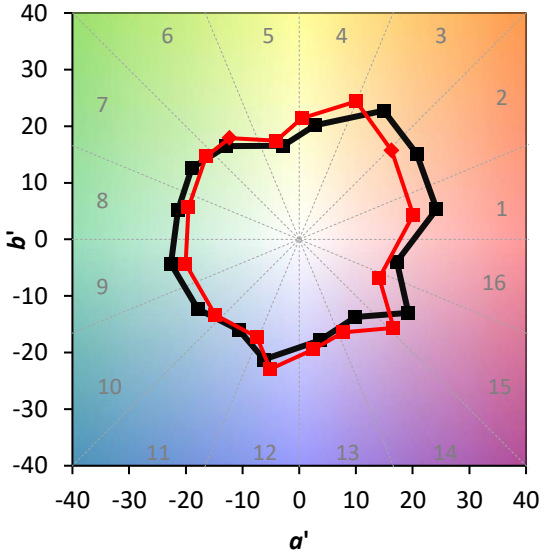
R_f = 77.4
R_g = 92.5
CIE R_a = 72.0
R_9 = -35.8

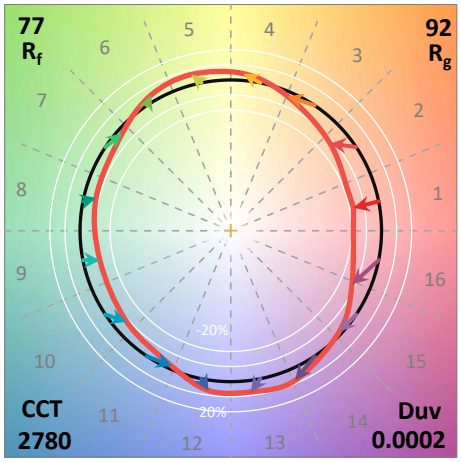
Spectral Power Distribution Comparison

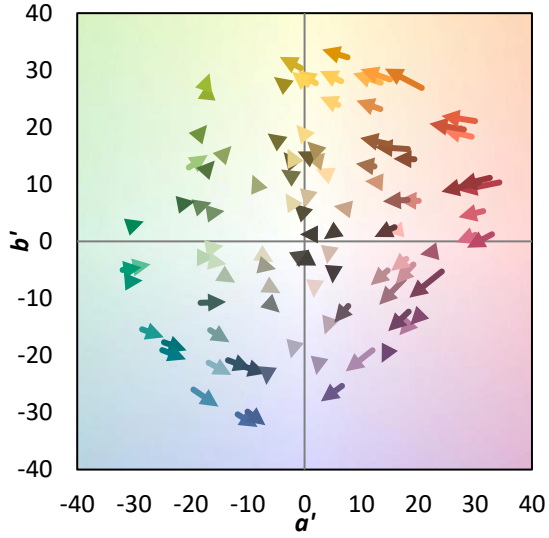


Color Vector Graphics









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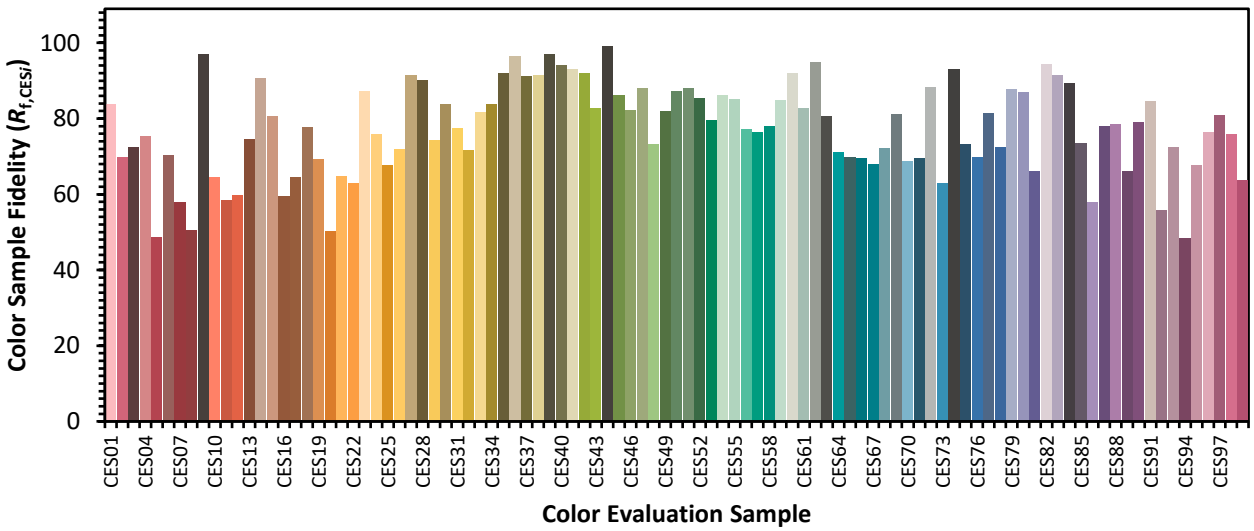
Individual Sample Fidelity Index ($R_{f,i}$)

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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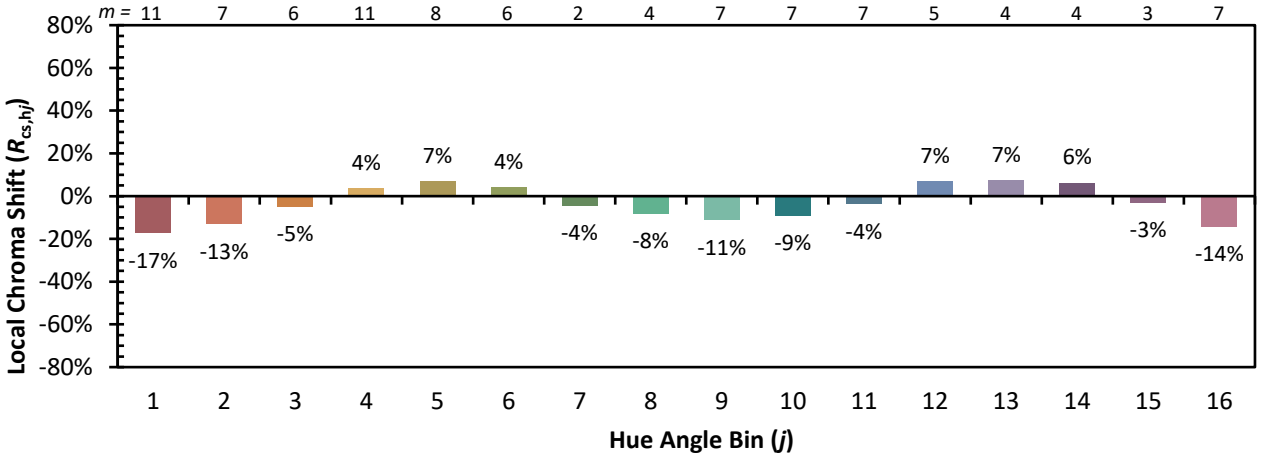
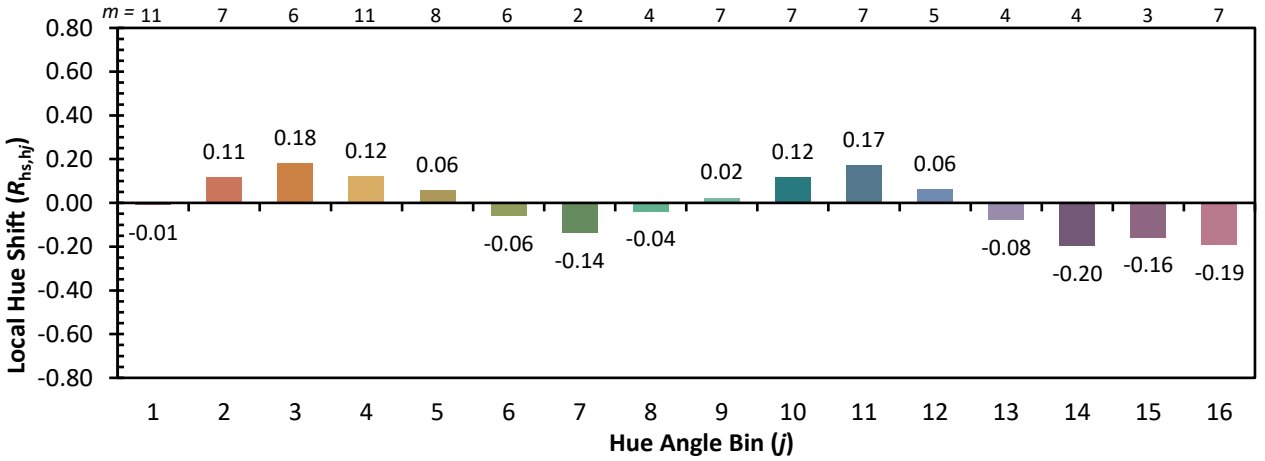
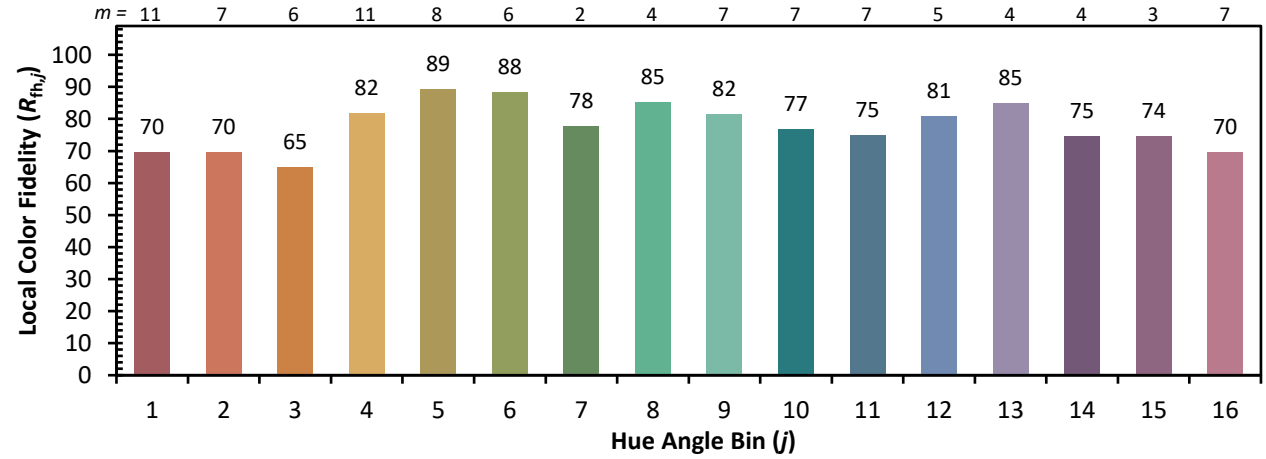
Color Rendition by Hue-Angle Bin







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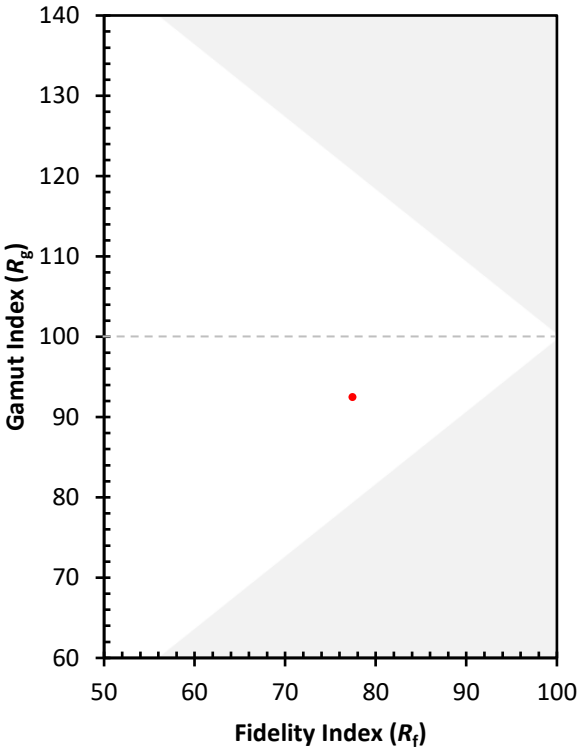
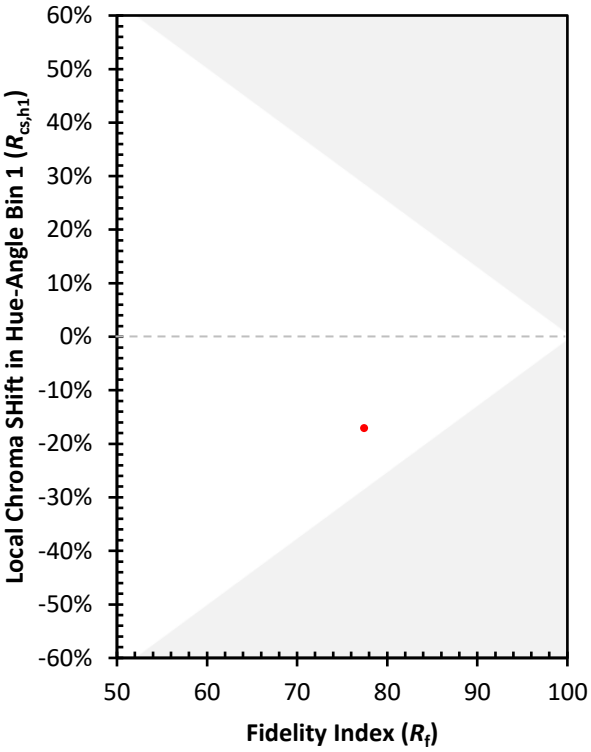
Measure Comparisons





(END OF REPORT)