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: P980961

Luminaire Tested: **NFFLD-L-C125-7030-66**

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:	P980961
Test Lab:	INNOVATION CENTER(G2)
Issue Date:	04/10/2025
Manufacturer:	COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line:	LUMARK
Catalog Number:	NFFLD-L-C125-7030-66
Description:	LUMARK NIGHT FALCON LARGE SIZE 270W 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:	41552.1 lumens
Efficiency:	N/A
Efficacy:	152.0 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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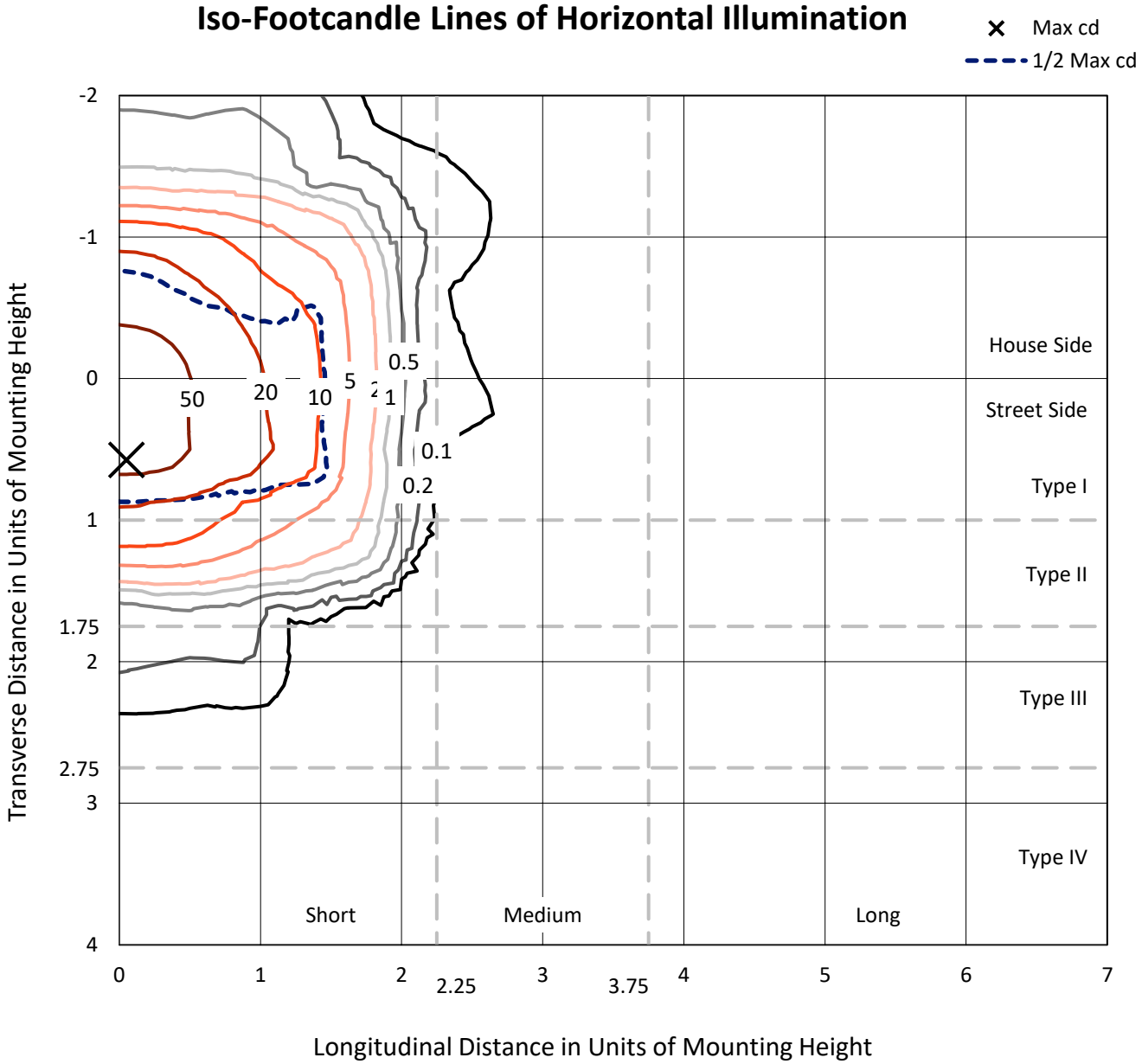
REPORT NUMBER: P980961
CATALOG NUMBER: NFFLD-L-C125-7030-66

Iso-Footcandle Lines of Horizontal Illumination



Based on 15 foot mounting height. Maximum calculated value = 77.2 fc
Type I - Short - N/A

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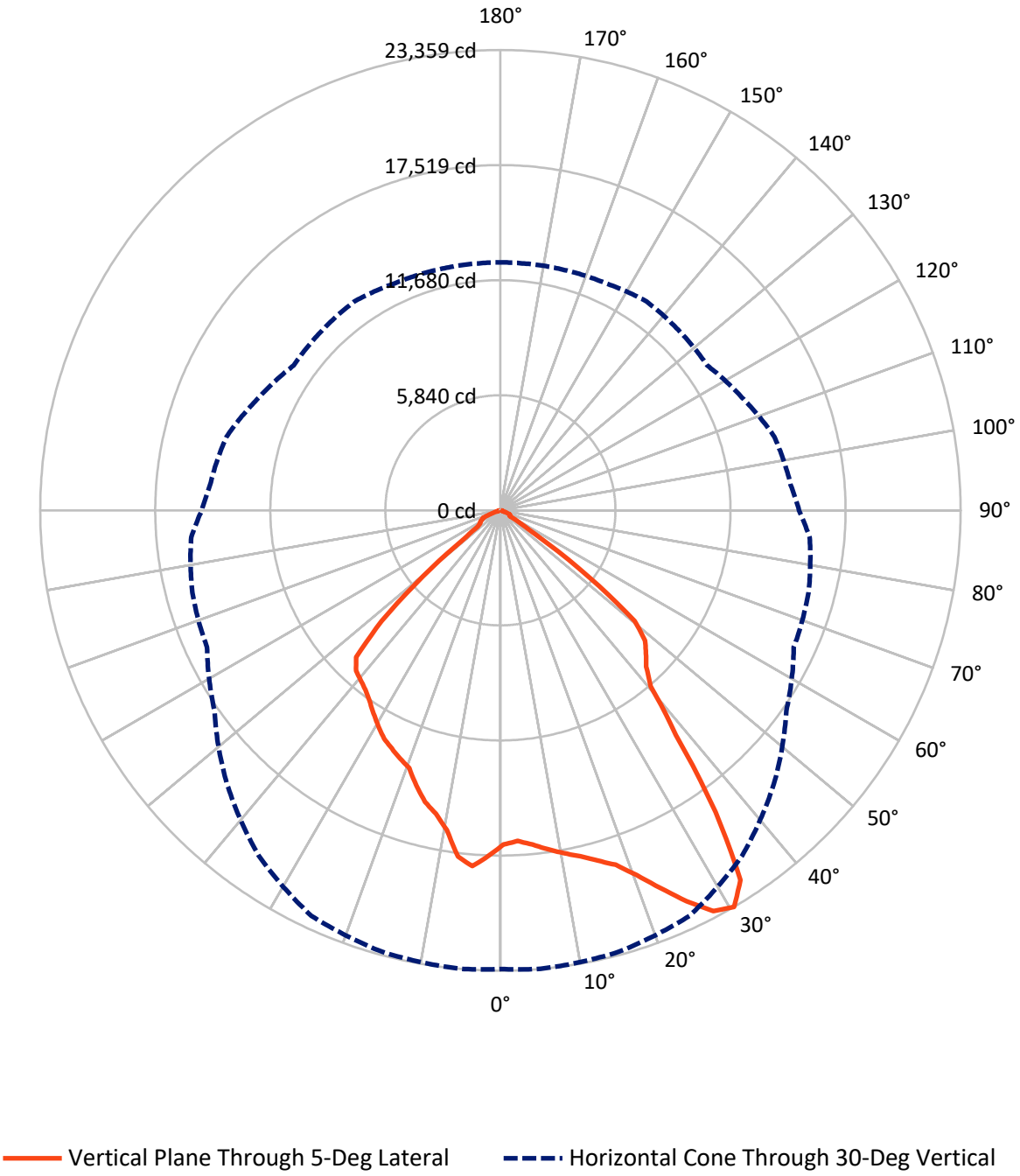
Luminous Intensity Polar Plot



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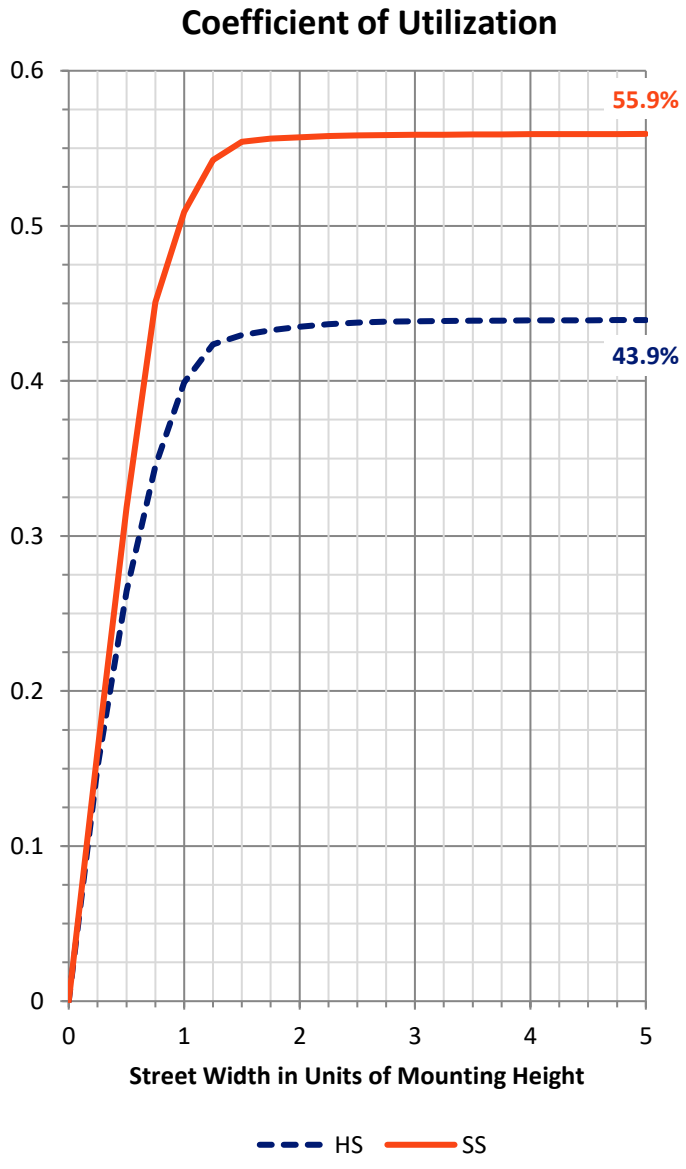
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	18378.1	0.0	18378.1
	% Fixture	44.2	0.0	44.2
Street Side	Lumens	23174.0	0.0	23174.0
	% Fixture	55.8	0.0	55.8
Total	Lumens	41552.1	0.0	41552.1
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1659.1	4.0
10°-20°	4806.1	11.6
20°-30°	7659.0	18.4
30°-40°	9575.0	23.0
40°-50°	9396.3	22.6
50°-60°	6717.8	16.2
60°-70°	1486.3	3.6
70°-80°	228.3	0.5
80°-90°	24.2	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°	41552.1	100.0
0°-180°	41552.1	100.0



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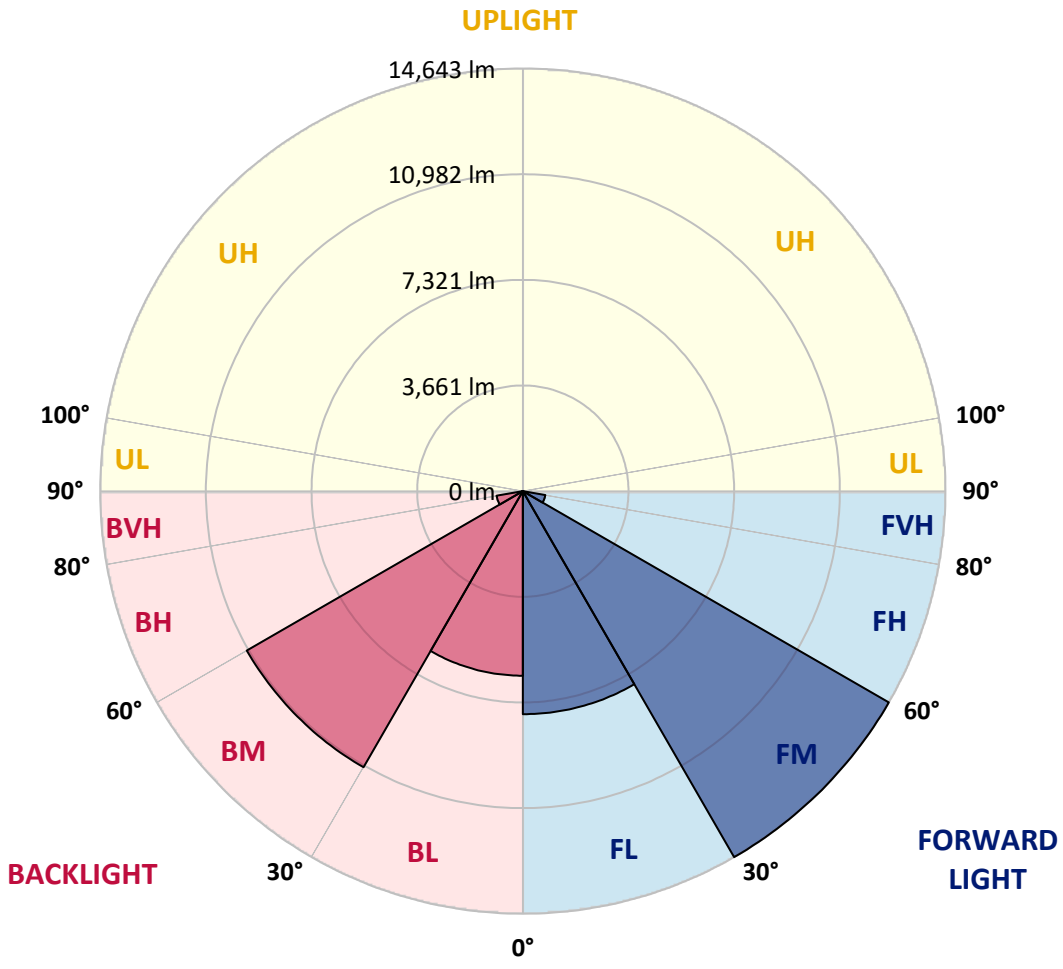
LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	7728.3	18.6			
FM	(30°-60°)	14643.0	35.2			
FH	(60°-80°)	790.6	1.9			G1/1800
FVH	(80°-90°)	12.2	0.0			G1/100
BL	(0°-30°)	6395.9	15.4	B5		
BM	(30°-60°)	11046.1	26.6	B5		
BH	(60°-80°)	924.1	2.2	B2/1000		G2/1000
BVH	(80°-90°)	12.0	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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Scaled Data Report

REPORT NUMBER: P980961
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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	16960.1	16960.1	16960.1	16960.1	16960.1	16960.1	16960.1	16960.1	16960.1	16960.1	16960.1
2.5°	16770.3	16797.4	16824.6	16865.2	16919.5	16946.6	16919.5	16892.3	16878.8	16905.9	16919.5
5°	17000.8	17041.5	17055.0	17082.1	17109.3	17082.1	17068.6	17041.5	17027.9	17041.5	17082.1
7.5°	17339.7	17366.8	17353.3	17339.7	17326.2	17231.3	17136.4	17095.7	17095.7	17136.4	17244.8
10°	17638.0	17692.2	17624.4	17570.2	17475.3	17326.2	17163.5	17068.6	17095.7	17177.0	17312.6
12.5°	18017.6	18017.6	17949.8	17895.6	17678.7	17502.4	17285.5	17136.4	17136.4	17285.5	17434.6
15°	18478.5	18437.9	18410.8	18261.6	18004.0	17719.3	17448.2	17231.3	17190.6	17421.1	17516.0
17.5°	19061.5	18912.4	18844.6	18587.0	18234.5	17868.5	17502.4	17326.2	17204.2	17448.2	17339.7
20°	19861.4	19752.9	19536.0	19129.3	18410.8	17936.3	17502.4	17271.9	17177.0	17312.6	17204.2
22.5°	20891.7	20824.0	20335.9	19820.7	18871.7	17990.5	17434.6	17122.8	17095.7	17027.9	16797.4
25°	22152.6	21976.3	21474.7	20742.6	19563.1	18519.2	17421.1	16851.7	16756.8	16580.5	16173.8
27.5°	23223.6	23033.8	22423.7	21773.0	20512.1	19305.5	17529.5	16526.3	16417.8	16295.8	15794.2
30°	23277.8	23359.2	23196.5	22708.4	21393.4	19630.9	17719.3	16431.4	16187.4	15753.5	15157.0
32.5°	22179.7	22369.5	22762.6	22938.9	22057.7	20024.1	17882.0	16472.1	16024.7	14980.8	14492.7
35°	18424.3	18803.9	20417.2	21935.6	22247.5	20593.5	18017.6	16472.1	15970.5	14424.9	14045.3
37.5°	14153.8	14465.6	15834.9	18587.0	21406.9	20946.0	18315.9	16377.2	15902.7	14465.6	13950.4
40°	11564.3	11740.6	12337.1	14208.0	18451.4	20363.0	18614.1	16485.6	15699.3	14492.7	14004.6
42.5°	10859.4	10845.8	10723.8	11415.2	14072.4	18654.8	18817.5	16756.8	15360.4	14316.5	13909.7
45°	10384.9	10357.7	10249.3	10384.9	11130.5	15265.5	18668.3	17244.8	14940.1	13692.8	13421.7
47.5°	9869.7	9883.2	9842.6	9896.8	9761.2	11591.5	17827.8	17448.2	14221.6	12648.9	12554.0
50°	8636.0	8839.3	9381.6	9435.9	9083.4	9354.5	15265.5	17353.3	13706.4	12350.7	12269.3
52.5°	5368.7	5694.0	7293.8	8649.5	8446.2	8446.2	11645.7	17488.9	12784.5	12242.2	12296.4
55°	1898.0	2142.0	3904.5	5951.6	7565.0	7714.1	9205.4	15563.7	12676.0	12432.0	12486.2
57.5°	474.5	583.0	1193.0	2575.9	5097.5	6995.5	8229.3	12852.3	9625.7	9286.7	9422.3
60°	555.8	542.3	745.6	827.0	1979.4	5531.4	7415.8	8676.6	6209.2	5816.1	5883.9
62.5°	596.5	555.8	583.0	732.1	325.4	2711.5	5911.0	5165.3	2562.3	1898.0	2006.5
65°	528.7	501.6	460.9	677.9	230.5	501.6	3484.2	1518.4	366.0	583.0	528.7
67.5°	352.5	366.0	379.6	542.3	216.9	216.9	460.9	379.6	257.6	528.7	460.9
70°	203.4	216.9	257.6	325.4	216.9	176.2	203.4	311.8	216.9	528.7	460.9
72.5°	122.0	122.0	122.0	135.6	216.9	149.1	135.6	257.6	189.8	488.1	460.9
75°	94.9	94.9	94.9	81.3	189.8	94.9	94.9	203.4	162.7	352.5	352.5
77.5°	81.3	81.3	81.3	67.8	108.5	81.3	81.3	149.1	149.1	176.2	203.4
80°	54.2	54.2	54.2	54.2	67.8	67.8	54.2	81.3	67.8	81.3	94.9
82.5°	27.1	40.7	40.7	27.1	40.7	40.7	40.7	54.2	40.7	54.2	54.2
85°	13.6	13.6	13.6	13.6	13.6	13.6	13.6	27.1	13.6	13.6	27.1
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: P980961
CATALOG NUMBER: NFFLD-L-C125-7030-66

CANDELA DISTRIBUTION (continued):

	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	16960.1	16960.1	16960.1	16960.1	16960.1	16960.1	16960.1	16960.1	16960.1	16960.1
2.5°	16946.6	17014.4	17109.3	17258.4	17312.6	17407.5	17488.9	17556.7	17556.7	17529.5
5°	17163.5	17353.3	17610.9	17841.4	17922.7	18017.6	18058.3	18126.1	18112.5	18098.9
7.5°	17353.3	17651.6	17922.7	18085.4	18058.3	17936.3	17854.9	17746.5	17705.8	17732.9
10°	17502.4	17773.6	17895.6	17787.1	17461.8	17177.0	16811.0	16567.0	16445.0	16485.6
12.5°	17556.7	17651.6	17543.1	16946.6	16539.9	16268.7	15970.5	15807.8	15740.0	15753.5
15°	17570.2	17353.3	16756.8	16309.4	16011.1	15672.2	15428.2	15279.0	15279.0	15292.6
17.5°	17285.5	16756.8	16241.6	15902.7	15482.4	15129.9	14994.3	14940.1	14601.2	14655.4
20°	17027.9	16268.7	15984.0	15455.3	14953.7	14723.2	13936.9	13855.5	13869.1	13882.6
22.5°	16485.6	15916.2	15658.6	14967.2	14397.8	13760.6	13652.2	13570.8	13584.4	13584.4
25°	15740.0	15414.6	15062.1	14343.6	13652.2	13530.1	13448.8	13340.3	13286.1	13299.7
27.5°	15319.7	14913.0	14262.2	13652.2	13204.8	13259.0	13164.1	13001.4	13001.4	13015.0
30°	*14791.0*	*14397.8*	*13530.1*	*12811.6*	*12852.3*	*12933.6*	*12703.2*	*12621.8*	*12581.1*	*12581.1*
32.5°	14140.2	13597.9	12838.7	12160.9	12404.9	12377.8	12093.1	12120.2	12147.3	12120.2
35°	13652.2	12947.2	12310.0	11943.9	11849.0	11740.6	11591.5	11686.4	11727.0	11699.9
37.5°	13530.1	12689.6	12025.3	11767.7	11401.7	11198.3	11239.0	11333.9	11388.1	11374.5
40°	13489.5	12432.0	11781.3	11510.1	11022.1	10845.8	10900.0	11089.8	11157.6	11144.1
42.5°	13435.2	12255.8	11632.1	11306.8	10628.9	10506.9	10764.5	10940.7	10954.3	10940.7
45°	13150.5	12066.0	11537.2	10886.5	10032.4	10181.5	10506.9	10601.8	10439.1	10371.3
47.5°	12486.2	11713.5	11252.5	10371.3	9544.3	9829.0	9869.7	8839.3	8242.8	8107.2
50°	12296.4	11727.0	10927.2	9761.2	9246.1	9530.8	7754.8	5924.5	5178.9	5029.7
52.5°	12242.2	11591.5	11049.2	9124.0	9137.6	8039.5	4894.2	2901.3	2331.8	2223.4
55°	12377.8	12188.0	11252.5	8744.4	8500.4	5233.1	2277.6	1369.3	1410.0	1369.3
57.5°	9341.0	10195.1	11496.6	8147.9	6209.2	2521.7	1437.1	1328.6	1233.7	1206.6
60°	5829.6	6643.1	8419.1	7009.1	3186.0	1504.9	1464.2	1233.7	1193.0	1179.5
62.5°	1925.1	2955.5	4826.4	4609.5	881.2	1491.3	1477.7	1098.1	1098.1	1098.1
65°	488.1	501.6	1328.6	1586.2	650.7	1328.6	1410.0	1030.4	1003.2	1043.9
67.5°	420.3	379.6	705.0	623.6	542.3	921.9	1233.7	989.7	935.5	935.5
70°	420.3	447.4	691.4	583.0	338.9	501.6	894.8	610.1	542.3	501.6
72.5°	393.2	433.8	610.1	528.7	230.5	244.0	393.2	203.4	189.8	162.7
75°	338.9	352.5	474.5	474.5	244.0	122.0	162.7	135.6	135.6	122.0
77.5°	230.5	176.2	271.1	338.9	176.2	81.3	67.8	67.8	67.8	54.2
80°	122.0	67.8	67.8	54.2	67.8	67.8	40.7	54.2	54.2	40.7
82.5°	67.8	40.7	40.7	27.1	27.1	40.7	27.1	27.1	27.1	27.1
85°	27.1	27.1	13.6	13.6	13.6	27.1	13.6	13.6	13.6	13.6
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	13.6	13.6
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

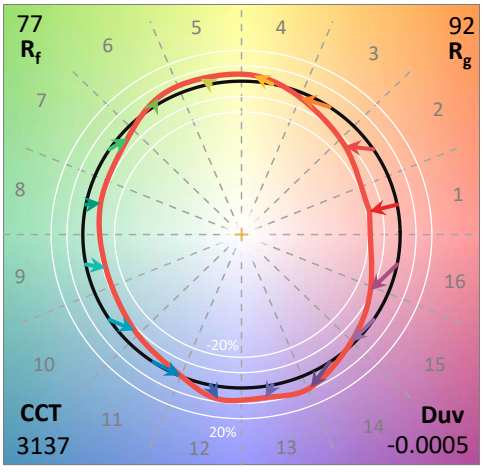
Report Generated By FNC07603 / LDUCLS01DT446
Version: v7.04

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

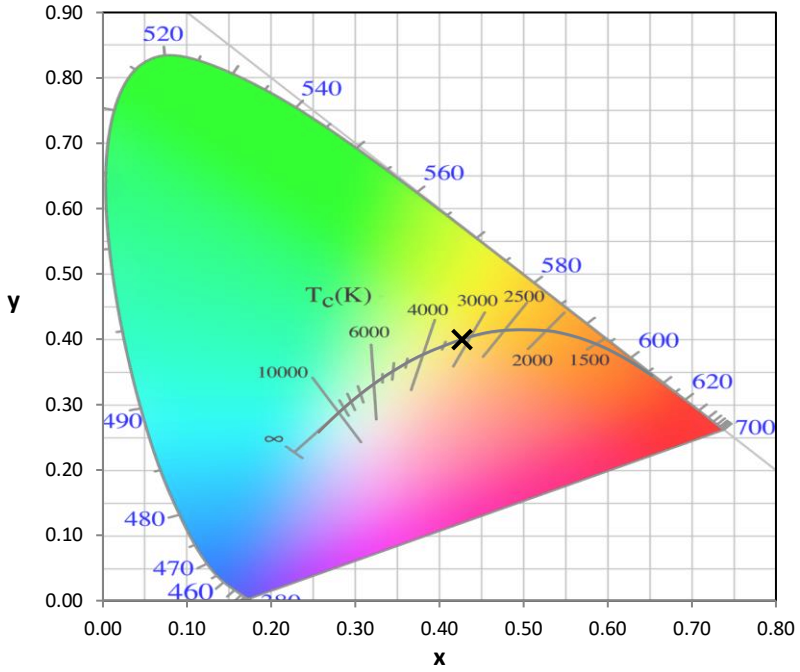
Stabilization Time:	39M
Operation Time:	1H 39M
Sphere Temperature (°C):	25.0

REPORT NUMBER: SP1-2501-319-10

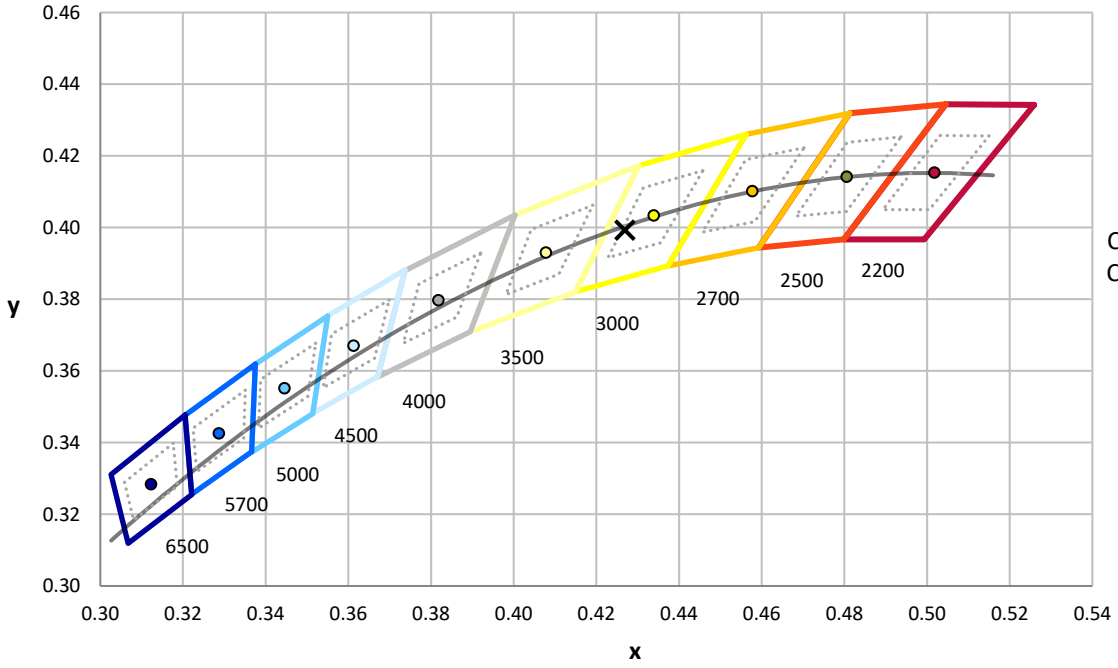
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	12/16/2024	6/16/2025
Power Meter	INXT2011004	1/212025	1/21/2026
AC Power Source	IN0063	10/22/2024	10/22/2025
DC Power Source	IN0208	10/22/2024	10/22/2025
Sphere Thermometer	IN0085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

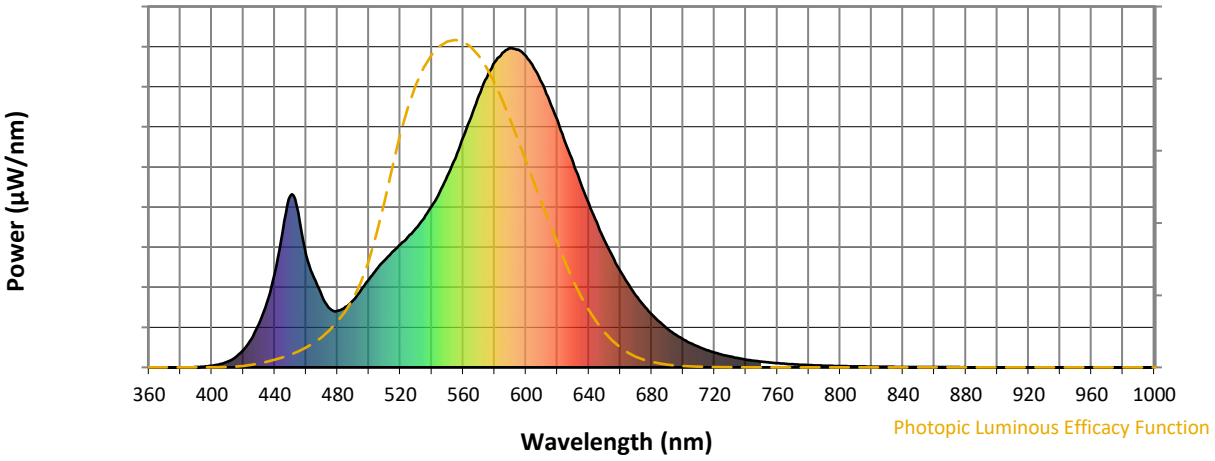


CCT = 3137K
CIE x = 0.4269
CIE y = 0.3993
Duv = -0.0005

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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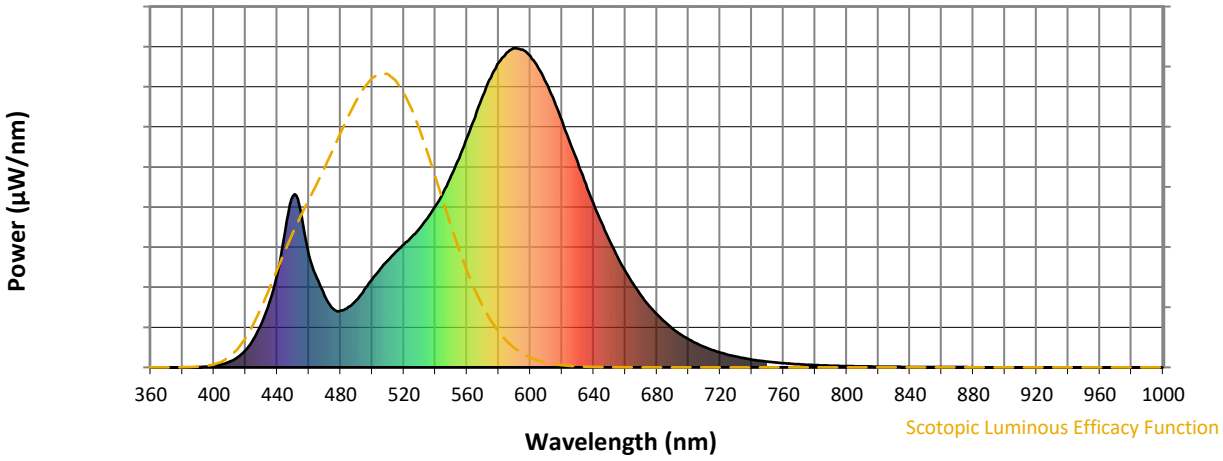
Scotopic Flux vs. Wavelength



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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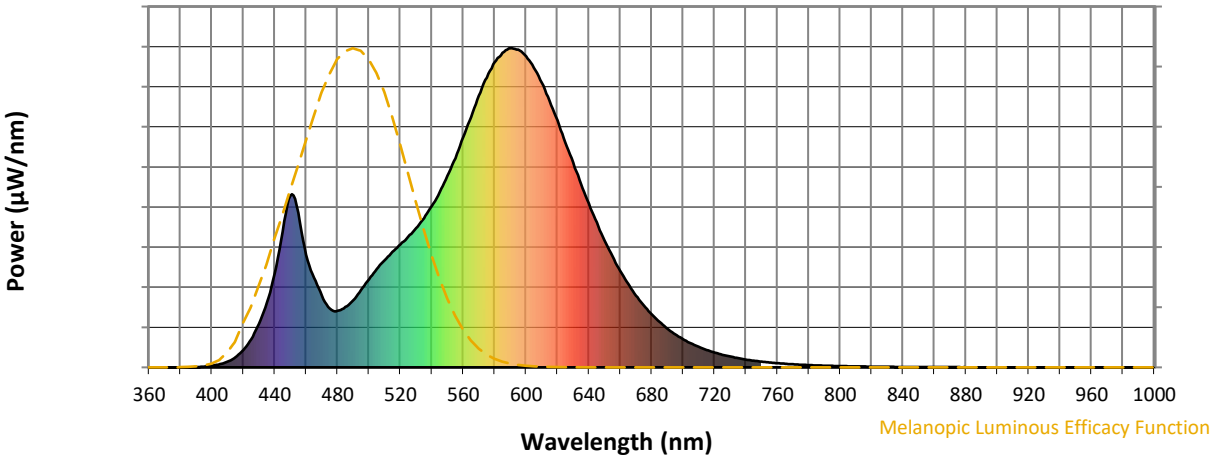
Melanopic Flux vs. Wavelength



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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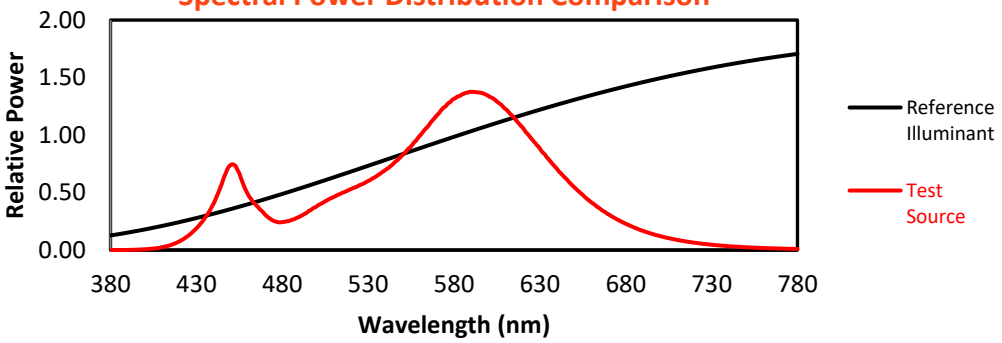
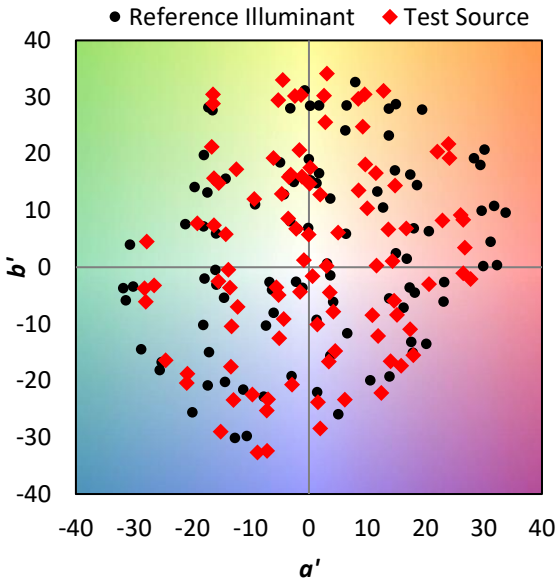
Summary

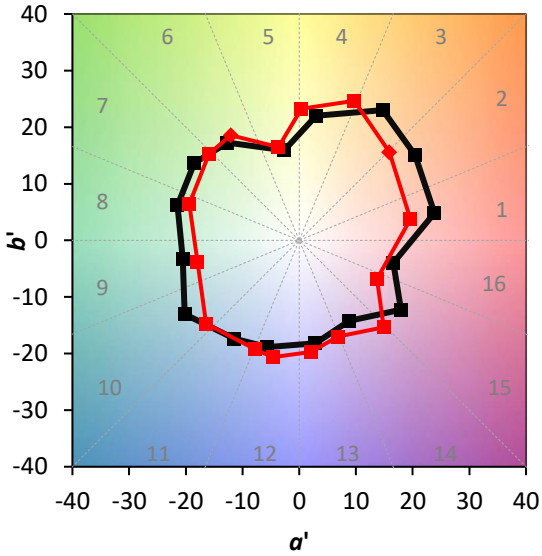
R_f = 76.5
R_g = 91.7
CIE R_a = 71.4
R_9 = -42.3

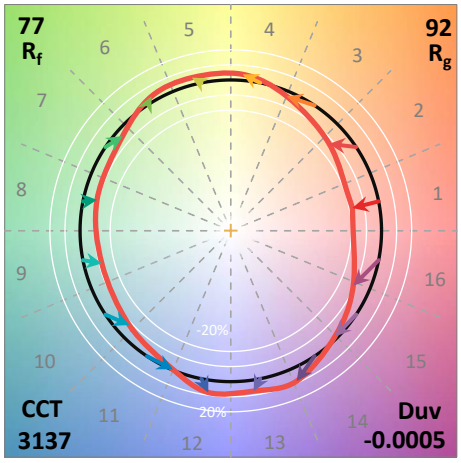
Spectral Power Distribution Comparison

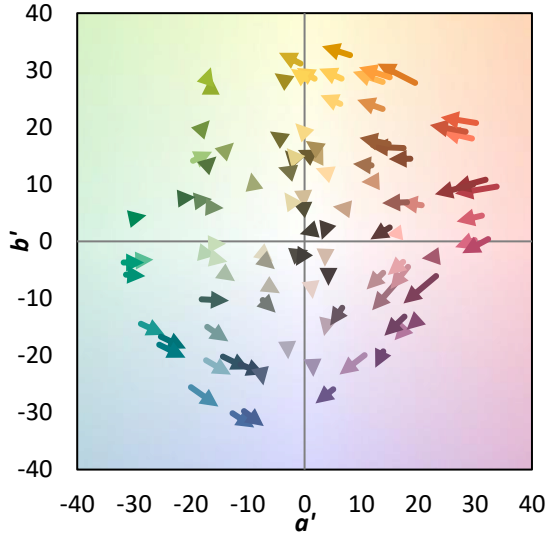


Color Vector Graphics









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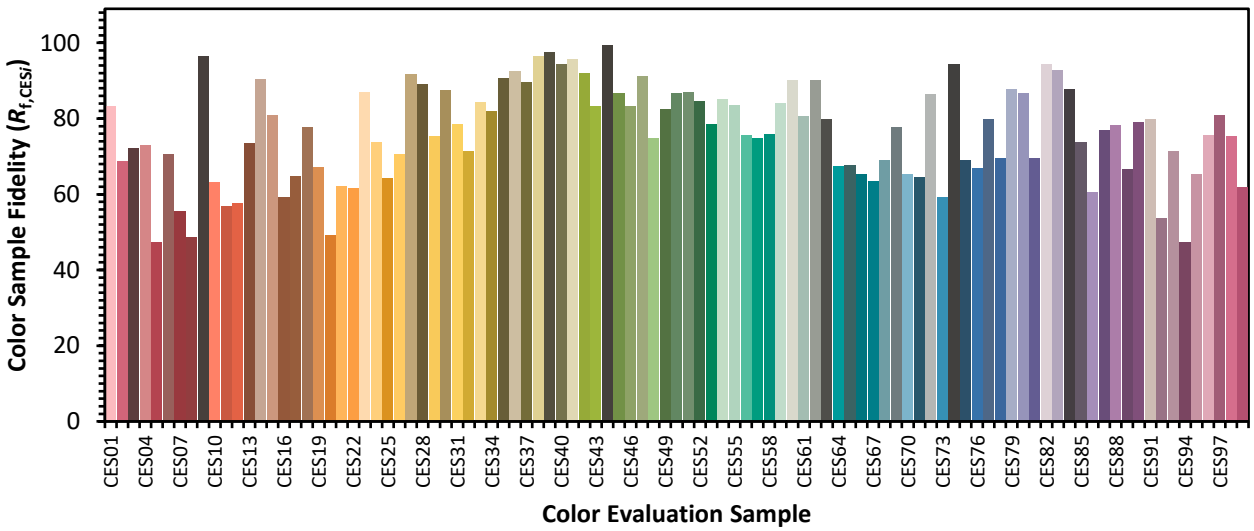
Individual Sample Fidelity Index ($R_{f,i}$)

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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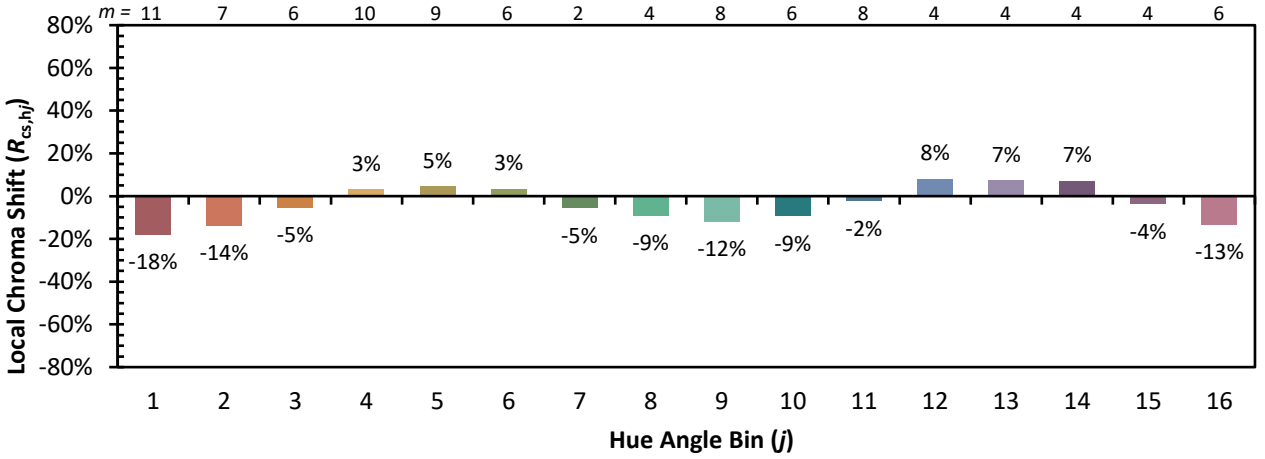
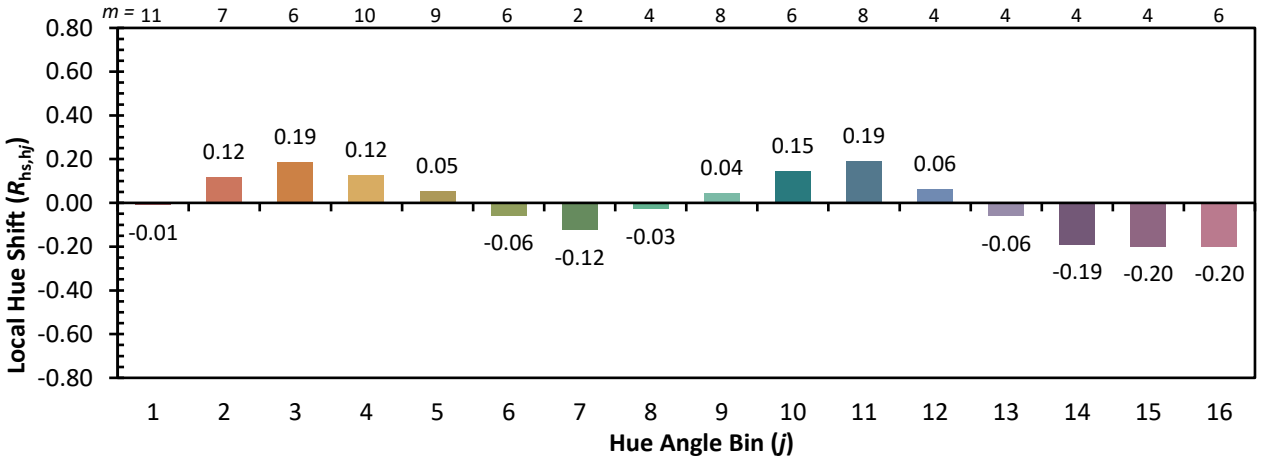
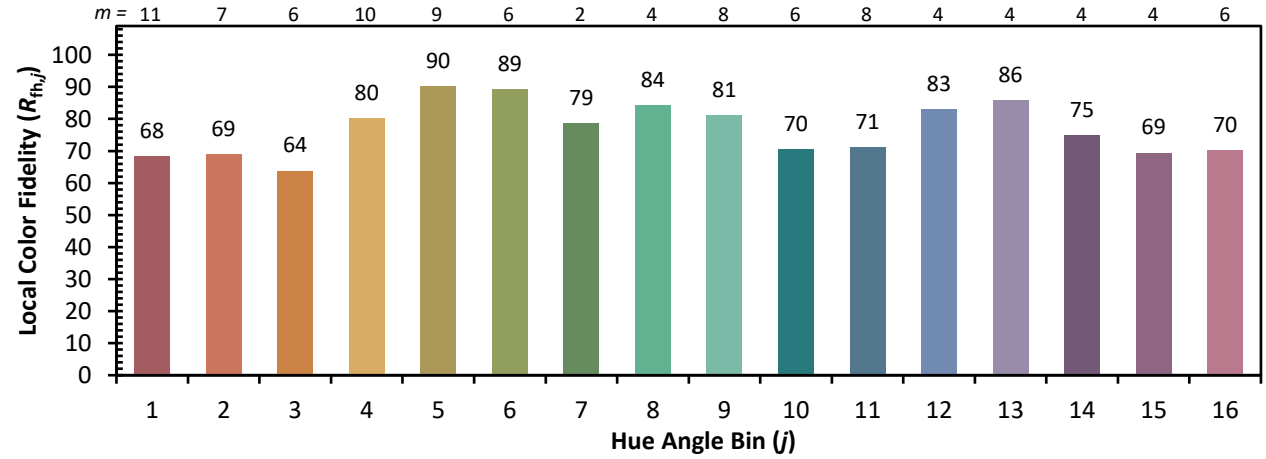
Color Rendition by Hue-Angle Bin







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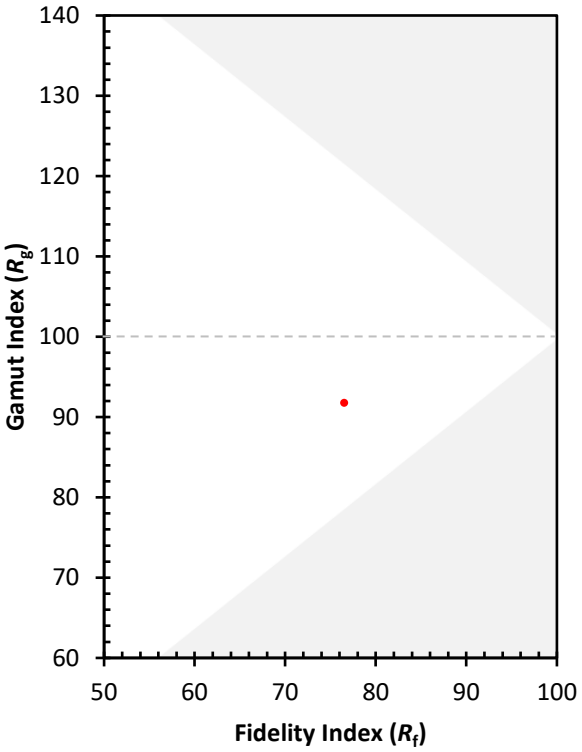
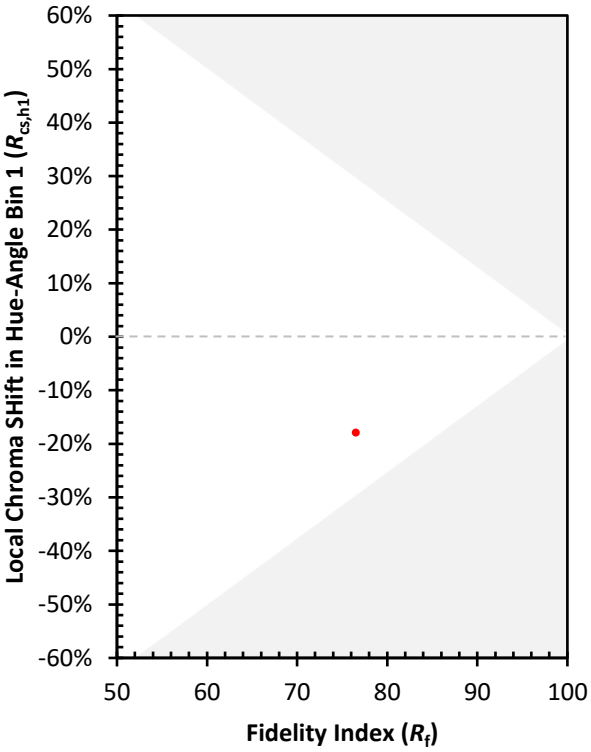
Measure Comparisons





(END OF REPORT)