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: P980937

Luminaire Tested: **NFFLD-L-C75-7022-66**

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:	P980937
Test Lab:	INNOVATION CENTER(G2)
Issue Date:	04/10/2025
Manufacturer:	COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line:	LUMARK
Catalog Number:	NFFLD-L-C75-7022-66
Description:	LUMARK NIGHT FALCON LARGE SIZE 180W 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:	25825.2 lumens
Efficiency:	N/A
Efficacy:	144.3 lumens/watt
Luminous Opening:	Rectangular (W 1' x L: 0.67' x H: 0')
IES Classification:	Type I - Short
BUG Rating:	B4 - U0 - G2

Input Watts (W):	179
Input Voltage (V):	120
Input Current (Ain):	NR
Voltage Rise (V):	NR
Power Factor:	0.99
Total Harmonic Distortion (THDi):	3.5%
Frequency (hertz):	60
Stabilization Time:	NR
Operation Time:	NR
Ambient Temperature (°C):	NR
Test Distance:	28.75 FT

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REPORT NUMBER: P980937
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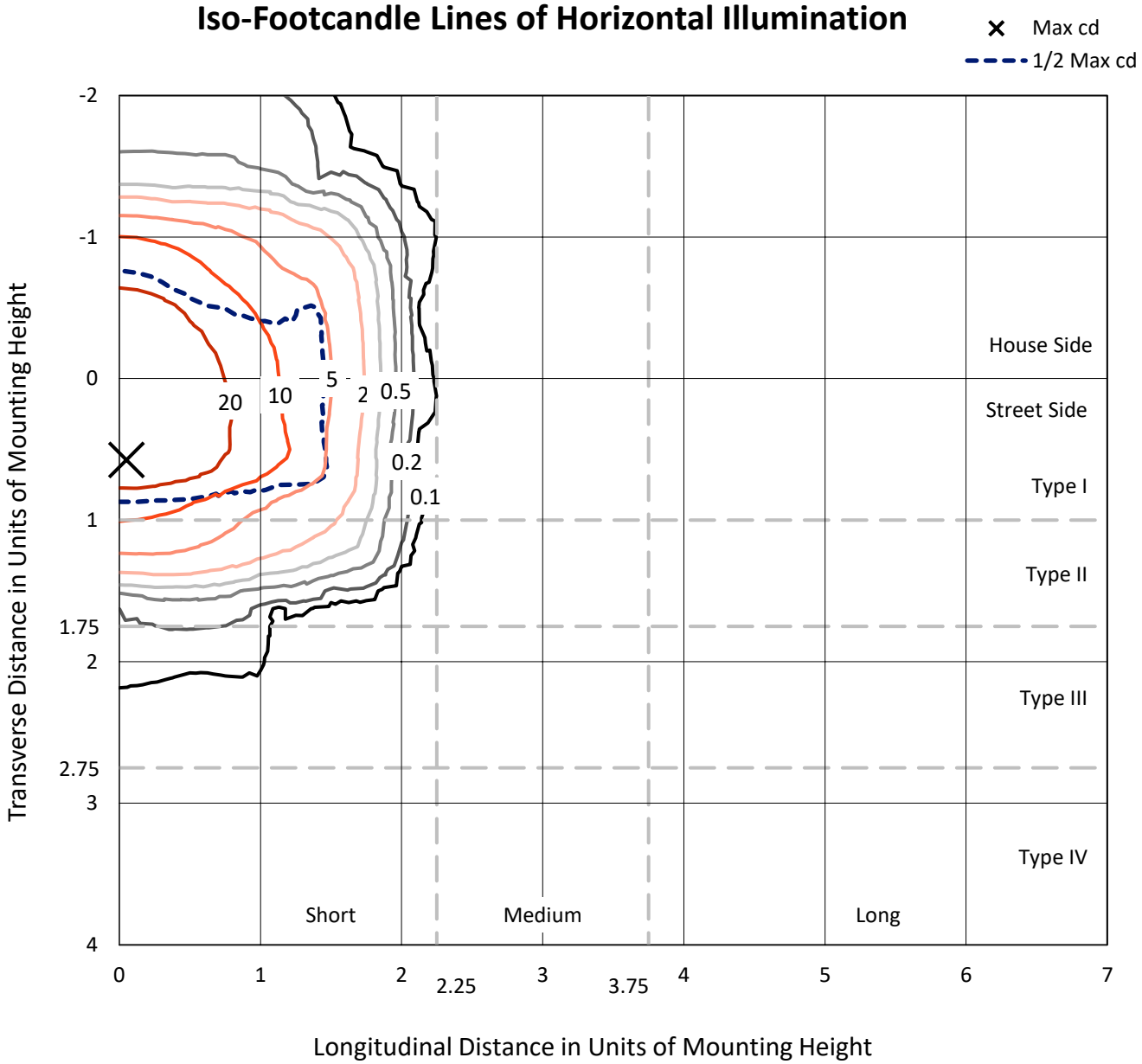
Iso-Footcandle Lines of Horizontal Illumination



Based on 15 foot mounting height. Maximum calculated value = 48 fc
Type I - Short - N/A

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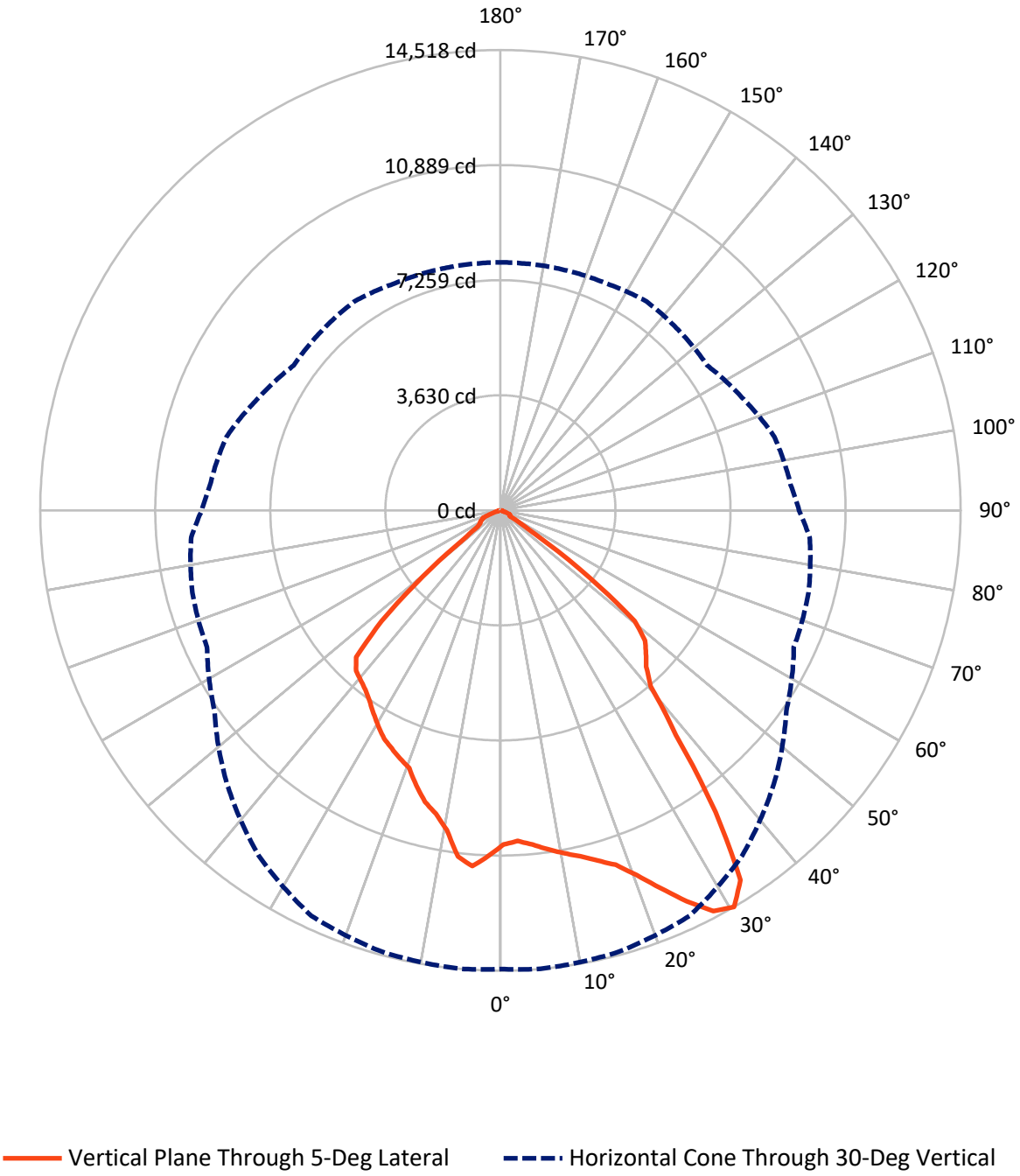
Luminous Intensity Polar Plot



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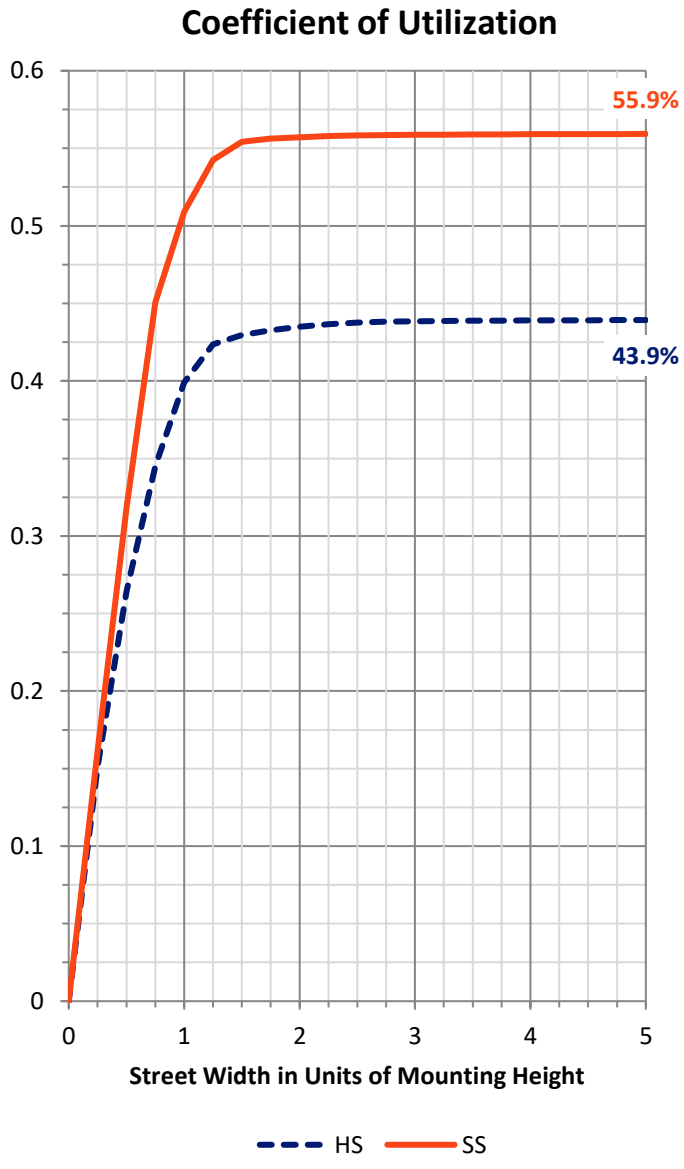
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	11422.3	0.0	11422.3
	% Fixture	44.2	0.0	44.2
Street Side	Lumens	14403.0	0.0	14403.0
	% Fixture	55.8	0.0	55.8
Total	Lumens	25825.2	0.0	25825.2
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1031.2	4.0
10°-20°	2987.1	11.6
20°-30°	4760.2	18.4
30°-40°	5951.0	23.0
40°-50°	5839.9	22.6
50°-60°	4175.2	16.2
60°-70°	923.8	3.6
70°-80°	141.9	0.5
80°-90°	15.0	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°	25825.2	100.0
0°-180°	25825.2	100.0



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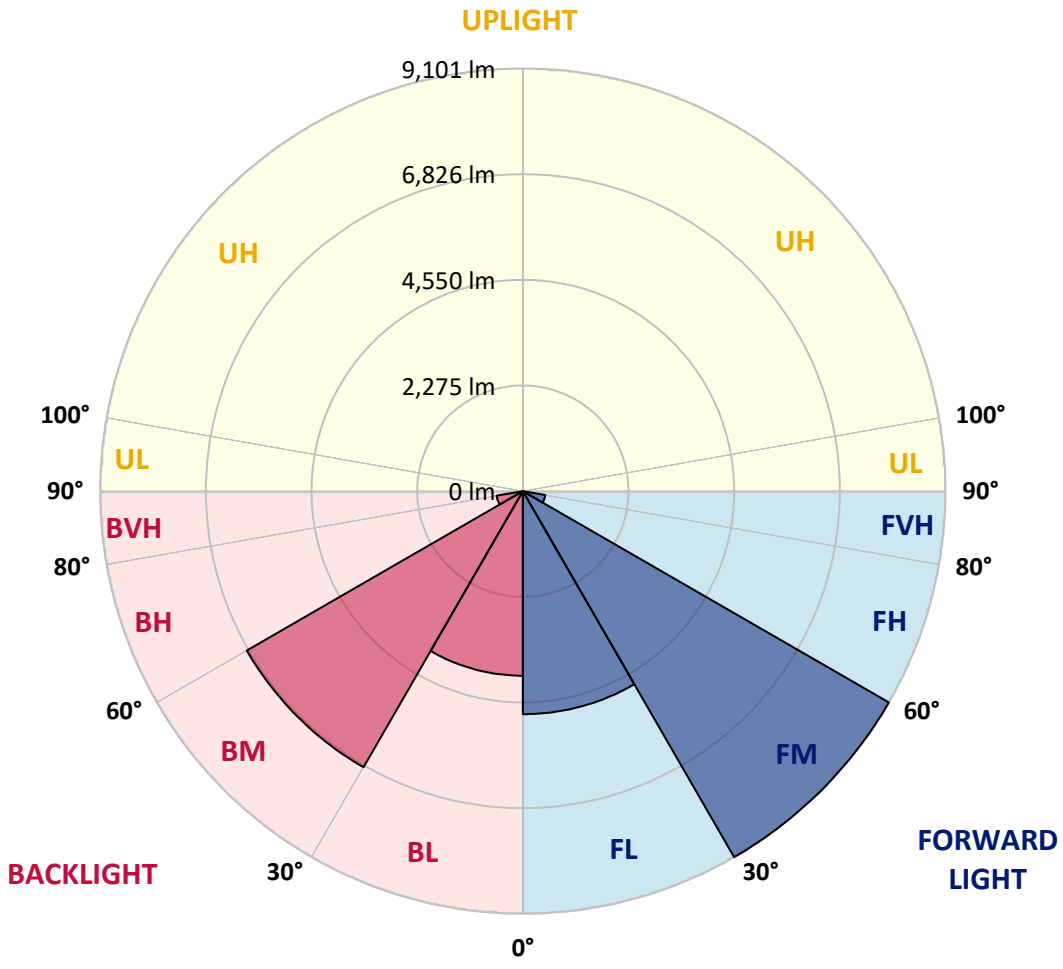
LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	4803.3	18.6			
FM	(30°-60°)	9100.8	35.2			
FH	(60°-80°)	491.3	1.9			G0/660
FVH	(80°-90°)	7.6	0.0			G0/10
BL	(0°-30°)	3975.2	15.4	B4/5000		
BM	(30°-60°)	6865.3	26.6	B4/8500		
BH	(60°-80°)	574.3	2.2	B2/1000		G2/1000
BVH	(80°-90°)	7.4	0.0			G0/10
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B4-U0-G2
Type I Short



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REPORT NUMBER: P980937
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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	10541.0	10541.0	10541.0	10541.0	10541.0	10541.0	10541.0	10541.0	10541.0	10541.0	10541.0
2.5°	10423.0	10439.9	10456.7	10482.0	10515.7	10532.5	10515.7	10498.8	10490.4	10507.3	10515.7
5°	10566.2	10591.5	10600.0	10616.8	10633.7	10616.8	10608.4	10591.5	10583.1	10591.5	10616.8
7.5°	10776.9	10793.8	10785.3	10776.9	10768.5	10709.5	10650.5	10625.2	10625.2	10650.5	10717.9
10°	10962.3	10996.0	10953.8	10920.1	10861.2	10768.5	10667.4	10608.4	10625.2	10675.8	10760.0
12.5°	11198.2	11198.2	11156.1	11122.4	10987.6	10878.0	10743.2	10650.5	10650.5	10743.2	10835.9
15°	11484.7	11459.4	11442.6	11349.9	11189.8	11012.8	10844.3	10709.5	10684.2	10827.5	10886.4
17.5°	11847.0	11754.3	11712.2	11552.1	11333.0	11105.5	10878.0	10768.5	10692.6	10844.3	10776.9
20°	12344.1	12276.7	12141.9	11889.1	11442.6	11147.6	10878.0	10734.8	10675.8	10760.0	10692.6
22.5°	12984.5	12942.4	12639.1	12318.9	11729.0	11181.3	10835.9	10642.1	10625.2	10583.1	10439.9
25°	13768.1	13658.6	13346.8	12891.8	12158.8	11510.0	10827.5	10473.6	10414.6	10305.0	10052.3
27.5°	14433.8	14315.8	13936.7	13532.2	12748.6	11998.7	10894.9	10271.3	10203.9	10128.1	9816.3
30°	14467.5	14518.1	14416.9	14113.6	13296.3	12200.9	11012.8	10212.4	10060.7	9791.1	9420.3
32.5°	13785.0	13903.0	14147.3	14256.9	13709.2	12445.3	11113.9	10237.6	9959.6	9310.8	9007.4
35°	11451.0	11686.9	12689.6	13633.3	13827.1	12799.1	11198.2	10237.6	9925.9	8965.3	8729.4
37.5°	8796.8	8990.6	9841.6	11552.1	13304.7	13018.2	11383.6	10178.7	9883.7	8990.6	8670.4
40°	7187.4	7296.9	7667.7	8830.5	11467.8	12655.9	11568.9	10246.1	9757.3	9007.4	8704.1
42.5°	6749.3	6740.8	6665.0	7094.7	8746.2	11594.2	11695.3	10414.6	9546.7	8897.9	8645.1
45°	6454.3	6437.5	6370.1	6454.3	6917.8	9487.7	11602.7	10717.9	9285.5	8510.3	8341.8
47.5°	6134.2	6142.6	6117.3	6151.0	6066.7	7204.3	11080.2	10844.3	8838.9	7861.5	7802.5
50°	5367.4	5493.8	5830.8	5864.5	5645.4	5814.0	9487.7	10785.3	8518.7	7676.1	7625.6
52.5°	3336.7	3538.9	4533.2	5375.8	5249.4	5249.4	7238.0	10869.6	7945.8	7608.7	7642.4
55°	1179.6	1331.3	2426.7	3699.0	4701.7	4794.4	5721.3	9673.1	7878.3	7726.7	7760.4
57.5°	294.9	362.3	741.5	1600.9	3168.2	4347.8	5114.6	7987.9	5982.5	5771.8	5856.1
60°	345.5	337.0	463.4	514.0	1230.2	3437.8	4609.0	5392.7	3859.1	3614.8	3656.9
62.5°	370.7	345.5	362.3	455.0	202.2	1685.2	3673.8	3210.3	1592.5	1179.6	1247.1
65°	328.6	311.8	286.5	421.3	143.2	311.8	2165.5	943.7	227.5	362.3	328.6
67.5°	219.1	227.5	235.9	337.0	134.8	134.8	286.5	235.9	160.1	328.6	286.5
70°	126.4	134.8	160.1	202.2	134.8	109.5	126.4	193.8	134.8	328.6	286.5
72.5°	75.8	75.8	75.8	84.3	134.8	92.7	84.3	160.1	118.0	303.3	286.5
75°	59.0	59.0	59.0	50.6	118.0	59.0	59.0	126.4	101.1	219.1	219.1
77.5°	50.6	50.6	50.6	42.1	67.4	50.6	50.6	92.7	92.7	109.5	126.4
80°	33.7	33.7	33.7	33.7	42.1	42.1	33.7	50.6	42.1	50.6	59.0
82.5°	16.9	25.3	25.3	16.9	25.3	25.3	25.3	33.7	25.3	33.7	33.7
85°	8.4	8.4	8.4	8.4	8.4	8.4	8.4	16.9	8.4	8.4	16.9
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: P980937
CATALOG NUMBER: NFFLD-L-C75-7022-66

CANDELA DISTRIBUTION (continued):

	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	10541.0	10541.0	10541.0	10541.0	10541.0	10541.0	10541.0	10541.0	10541.0	10541.0
2.5°	10532.5	10574.7	10633.7	10726.3	10760.0	10819.0	10869.6	10911.7	10911.7	10894.9
5°	10667.4	10785.3	10945.4	11088.7	11139.2	11198.2	11223.5	11265.6	11257.2	11248.8
7.5°	10785.3	10970.7	11139.2	11240.3	11223.5	11147.6	11097.1	11029.7	11004.4	11021.3
10°	10878.0	11046.5	11122.4	11055.0	10852.7	10675.8	10448.3	10296.6	10220.8	10246.1
12.5°	10911.7	10970.7	10903.3	10532.5	10279.8	10111.2	9925.9	9824.8	9782.6	9791.1
15°	10920.1	10785.3	10414.6	10136.5	9951.1	9740.5	9588.8	9496.1	9496.1	9504.6
17.5°	10743.2	10414.6	10094.4	9883.7	9622.5	9403.5	9319.2	9285.5	9074.8	9108.5
20°	10583.1	10111.2	9934.3	9605.7	9293.9	9150.7	8662.0	8611.4	8619.8	8628.3
22.5°	10246.1	9892.2	9732.1	9302.3	8948.5	8552.4	8485.0	8434.5	8442.9	8442.9
25°	9782.6	9580.4	9361.3	8914.7	8485.0	8409.2	8358.6	8291.2	8257.5	8265.9
27.5°	9521.4	9268.6	8864.2	8485.0	8207.0	8240.7	8181.7	8080.6	8080.6	8089.0
30°	*9192.8*	*8948.5*	*8409.2*	*7962.6*	*7987.9*	*8038.4*	*7895.2*	*7844.6*	*7819.4*	*7819.4*
32.5°	8788.4	8451.3	7979.5	7558.2	7709.8	7693.0	7516.0	7532.9	7549.7	7532.9
35°	8485.0	8046.9	7650.8	7423.3	7364.4	7296.9	7204.3	7263.2	7288.5	7271.7
37.5°	8409.2	7886.8	7473.9	7313.8	7086.3	6959.9	6985.2	7044.2	7077.9	7069.4
40°	8383.9	7726.7	7322.2	7153.7	6850.4	6740.8	6774.5	6892.5	6934.6	6926.2
42.5°	8350.2	7617.1	7229.5	7027.3	6606.0	6530.2	6690.3	6799.8	6808.2	6799.8
45°	8173.3	7499.2	7170.6	6766.1	6235.3	6328.0	6530.2	6589.2	6488.0	6445.9
47.5°	7760.4	7280.1	6993.6	6445.9	5931.9	6108.9	6134.2	5493.8	5123.0	5038.8
50°	7642.4	7288.5	6791.4	6066.7	5746.6	5923.5	4819.7	3682.2	3218.7	3126.1
52.5°	7608.7	7204.3	6867.2	5670.7	5679.1	4996.6	3041.8	1803.2	1449.3	1381.9
55°	7693.0	7575.0	6993.6	5434.8	5283.1	3252.4	1415.6	851.0	876.3	851.0
57.5°	5805.5	6336.4	7145.3	5064.0	3859.1	1567.2	893.2	825.8	766.8	749.9
60°	3623.2	4128.8	5232.6	4356.3	1980.1	935.3	910.0	766.8	741.5	733.1
62.5°	1196.5	1836.9	2999.7	2864.9	547.7	926.9	918.4	682.5	682.5	682.5
65°	303.3	311.8	825.8	985.8	404.4	825.8	876.3	640.4	623.5	648.8
67.5°	261.2	235.9	438.2	387.6	337.0	573.0	766.8	615.1	581.4	581.4
70°	261.2	278.1	429.7	362.3	210.7	311.8	556.1	379.2	337.0	311.8
72.5°	244.4	269.6	379.2	328.6	143.2	151.7	244.4	126.4	118.0	101.1
75°	210.7	219.1	294.9	294.9	151.7	75.8	101.1	84.3	84.3	75.8
77.5°	143.2	109.5	168.5	210.7	109.5	50.6	42.1	42.1	42.1	33.7
80°	75.8	42.1	42.1	33.7	42.1	42.1	25.3	33.7	33.7	25.3
82.5°	42.1	25.3	25.3	16.9	16.9	25.3	16.9	16.9	16.9	16.9
85°	16.9	16.9	8.4	8.4	8.4	16.9	8.4	8.4	8.4	8.4
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	8.4	8.4
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: SP1-2501-319-8

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

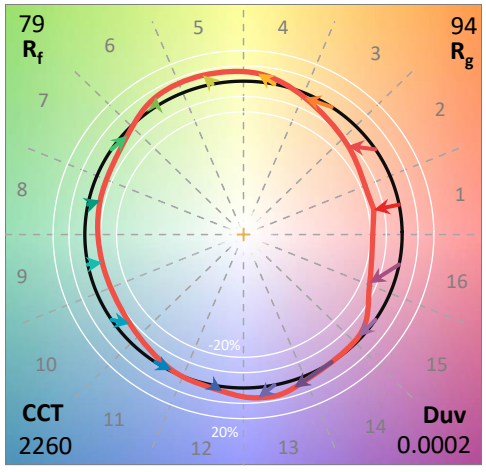
Test Information

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

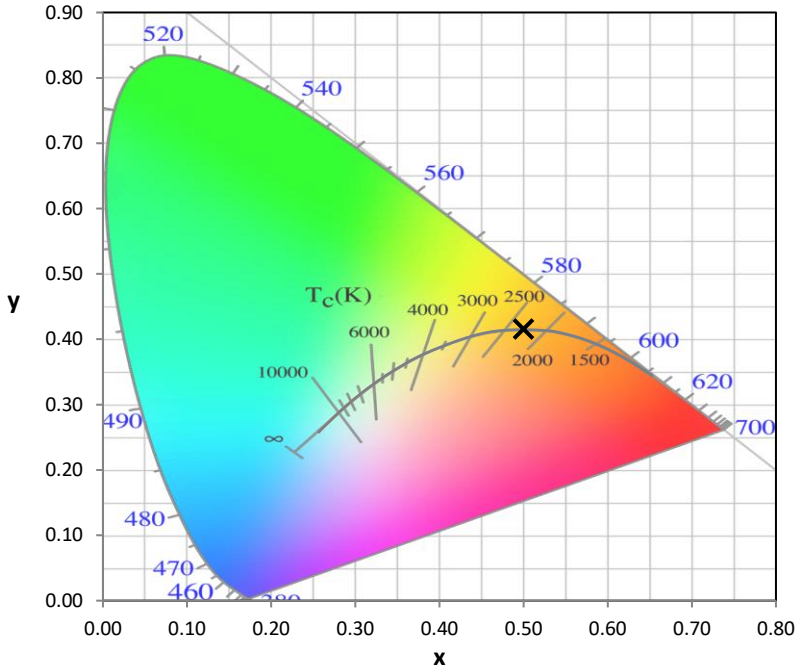
Stabilization Time:	59M
Operation Time:	1H 59M
Sphere Temperature (°C):	25.0

REPORT NUMBER: SP1-2501-319-8

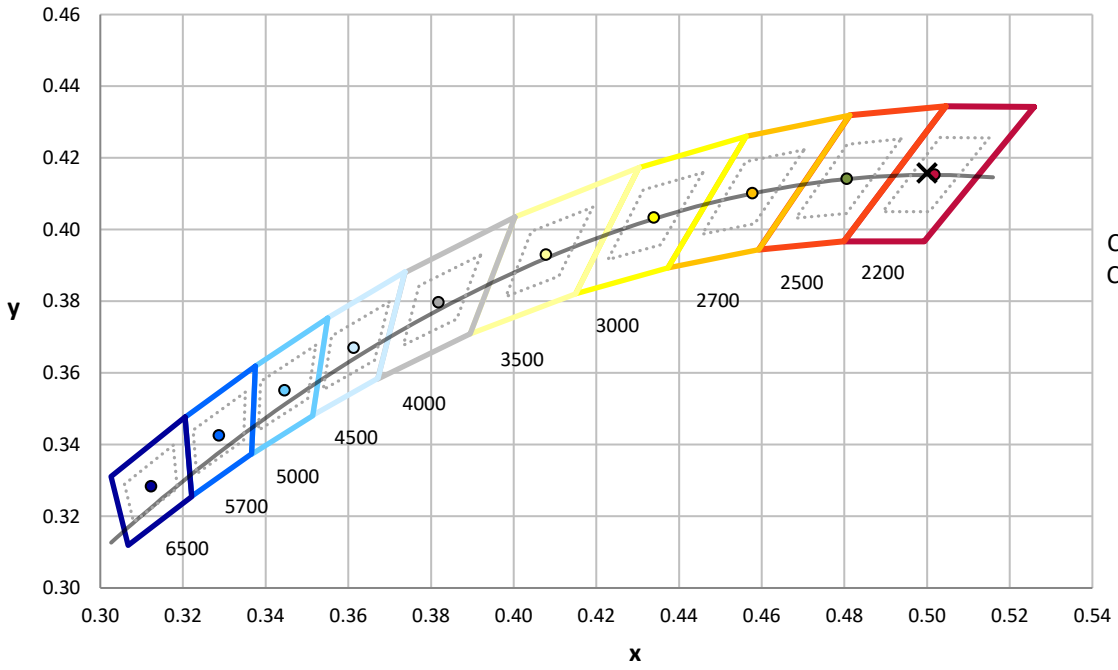
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	12/16/2024	6/16/2025
Power Meter	INXT2011004	1/212025	1/21/2026
AC Power Source	IN0063	10/22/2024	10/22/2025
DC Power Source	IN0208	10/22/2024	10/22/2025
Sphere Thermometer	IN0085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

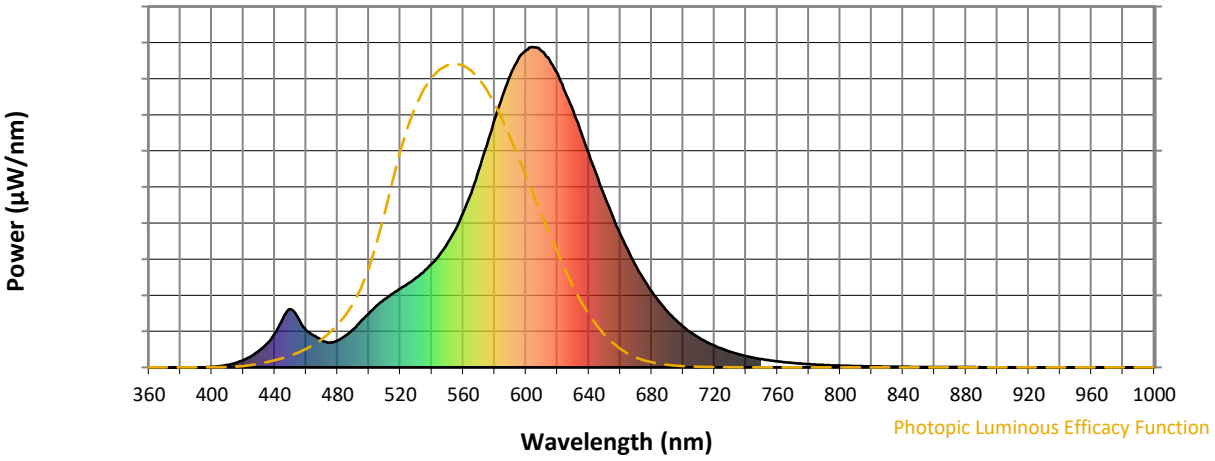


CCT = 2260K
CIE x = 0.5000
CIE y = 0.4158
Duv = 0.0002

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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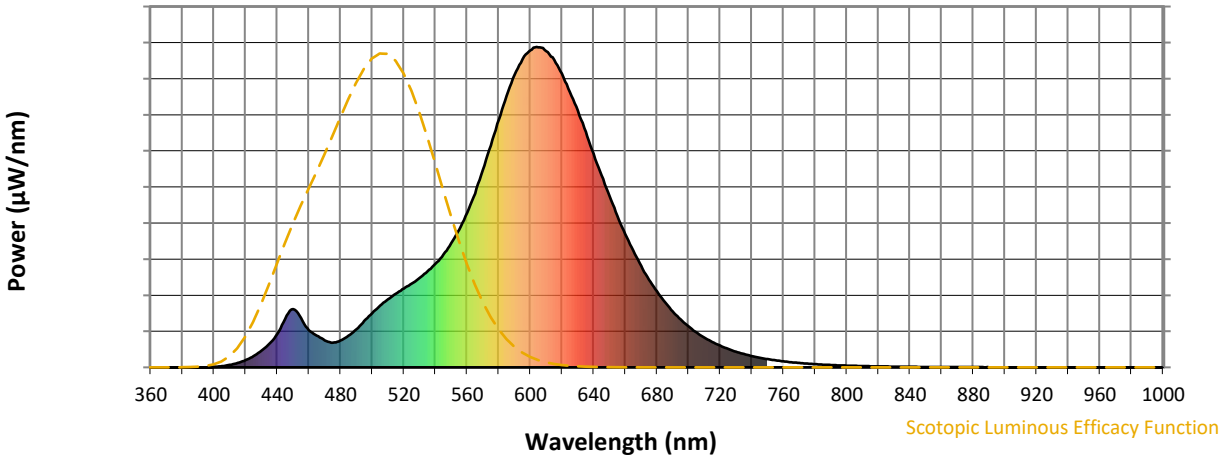
Scotopic Flux vs. Wavelength



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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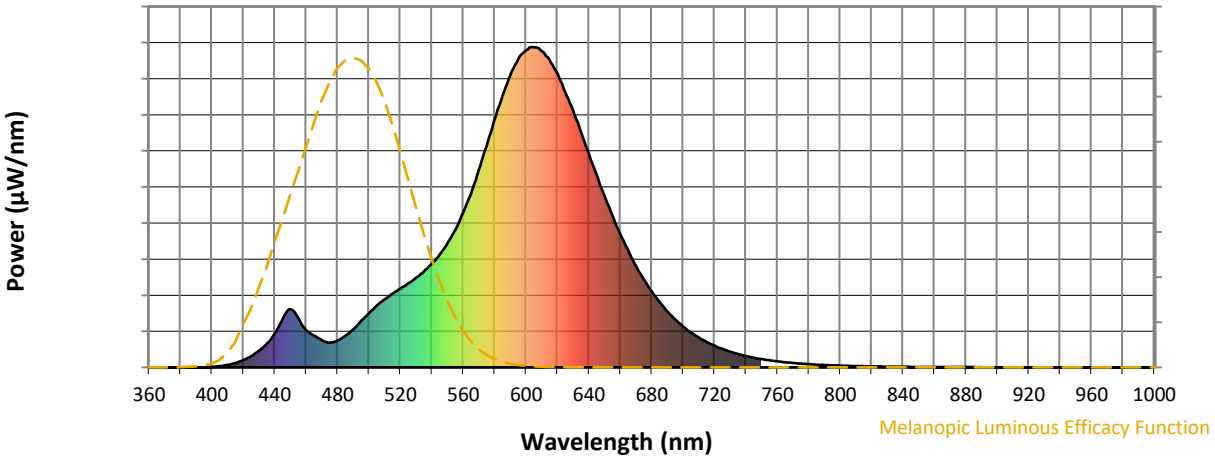
Melanopic Flux vs. Wavelength



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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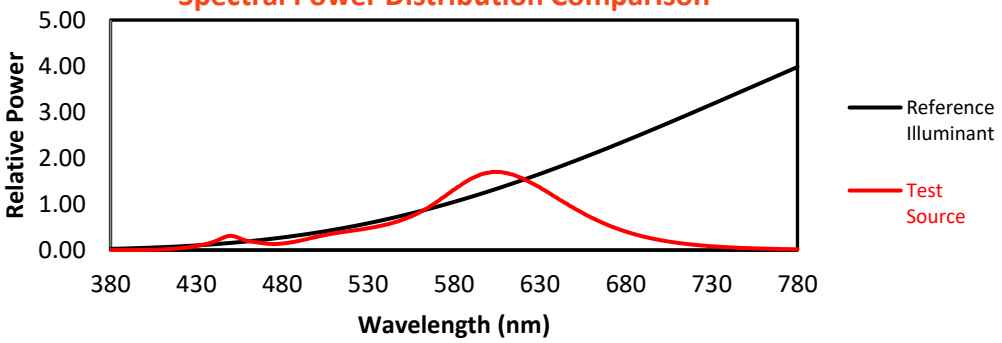
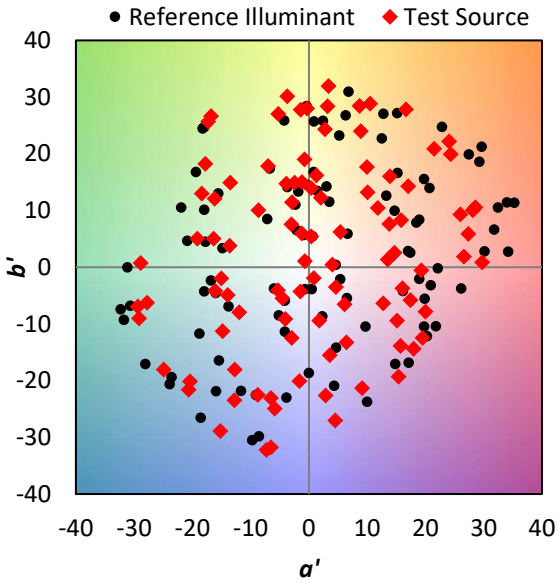
Summary

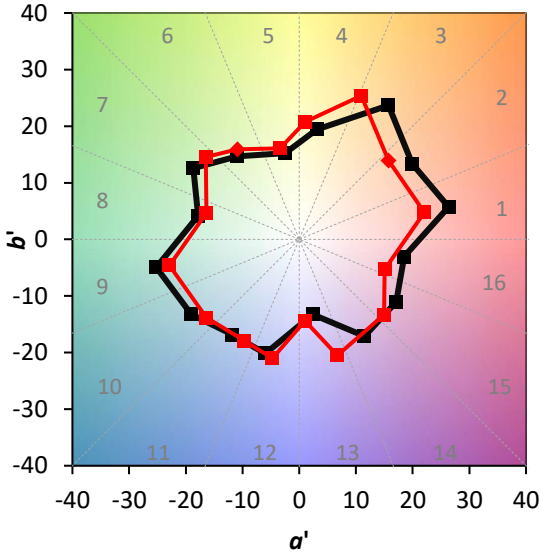
R_f = 78.7
R_g = 93.7
CIE R_a = 72.8
R_9 = -28.5

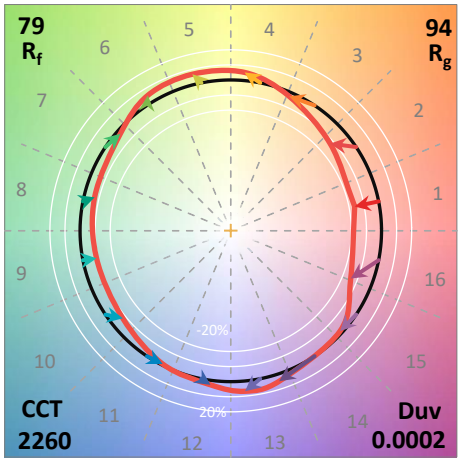
Spectral Power Distribution Comparison

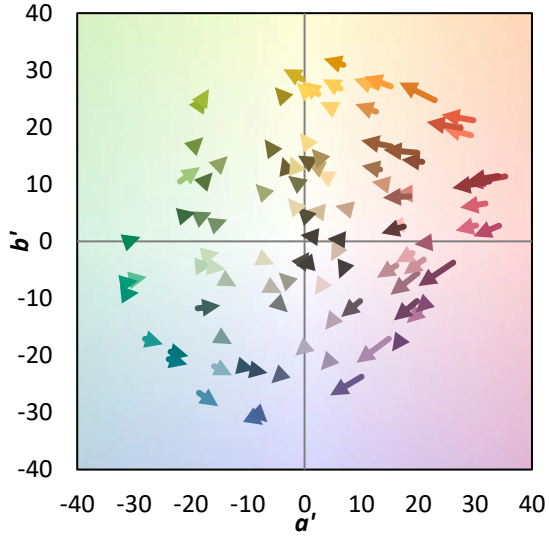


Color Vector Graphics









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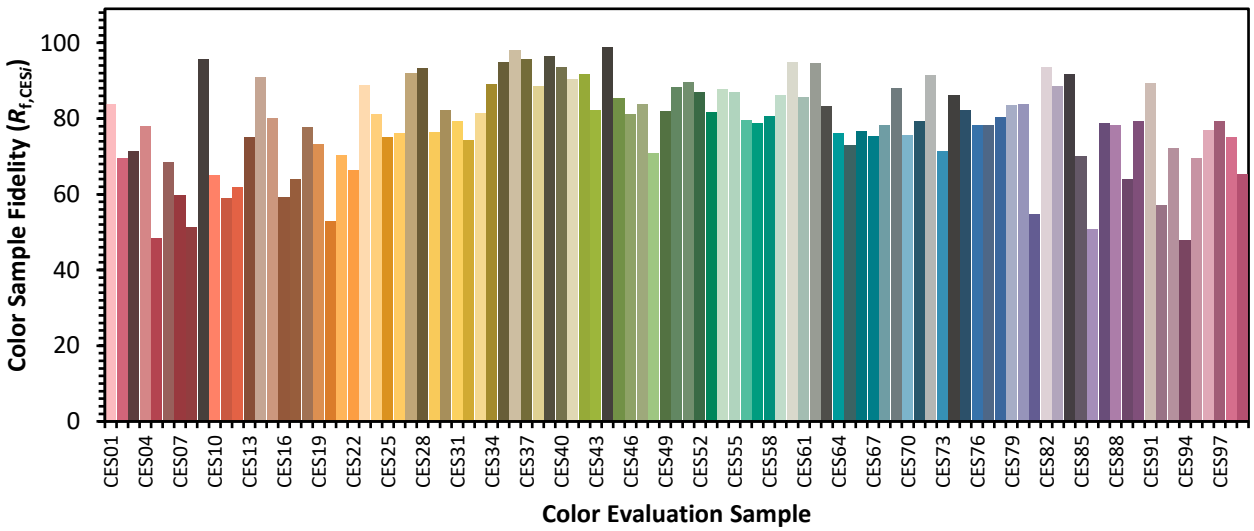
Individual Sample Fidelity Index ($R_{f,i}$)

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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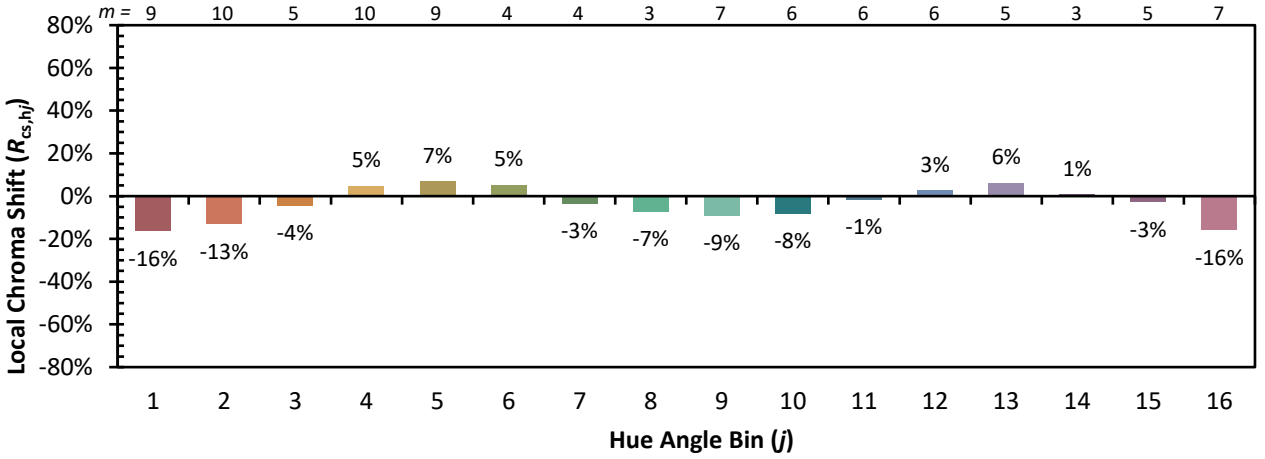
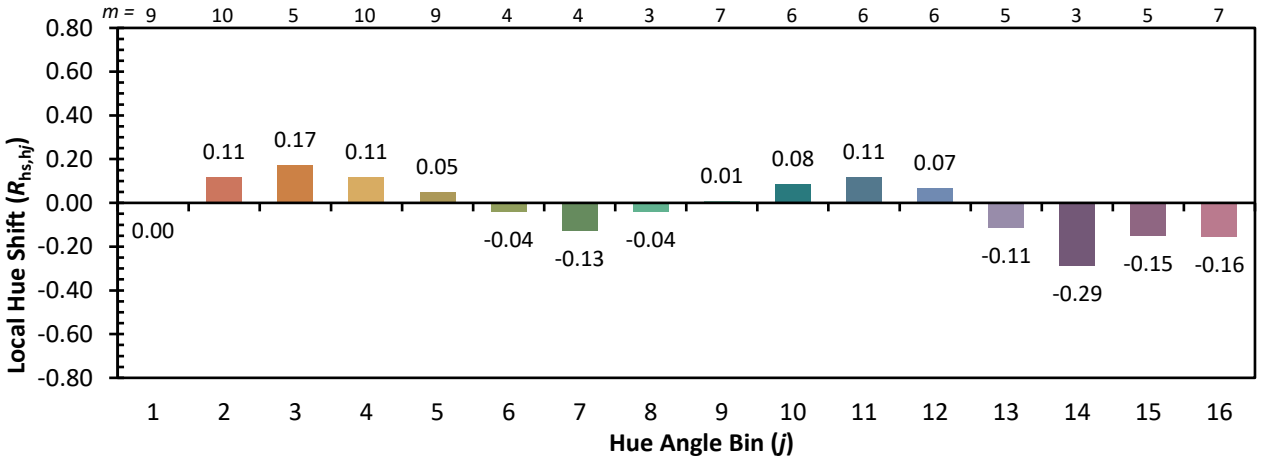
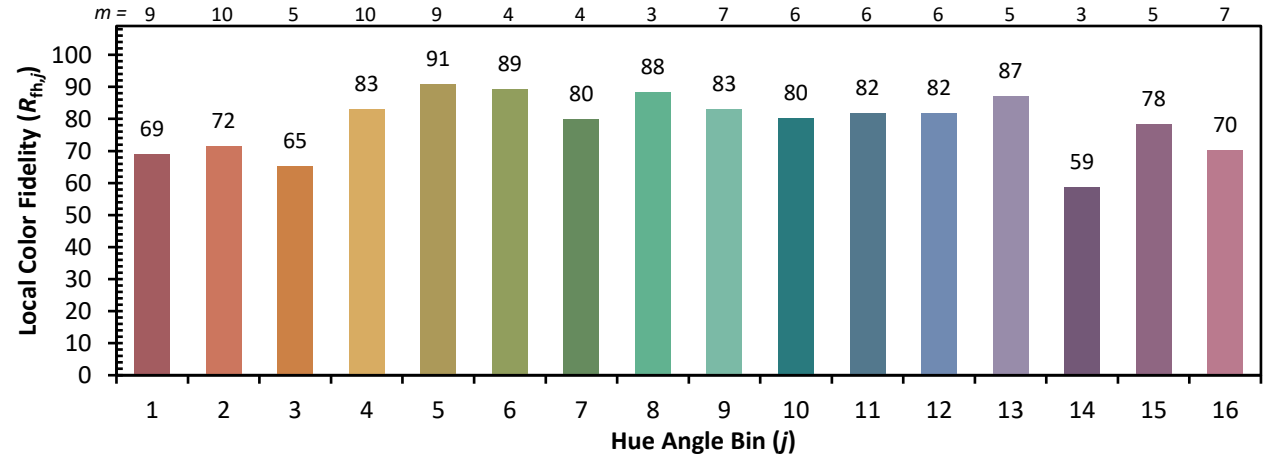
Color Rendition by Hue-Angle Bin







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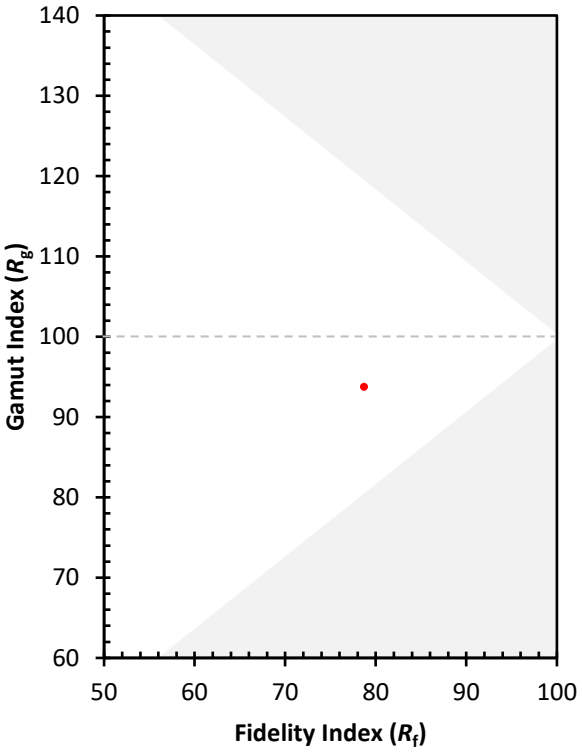
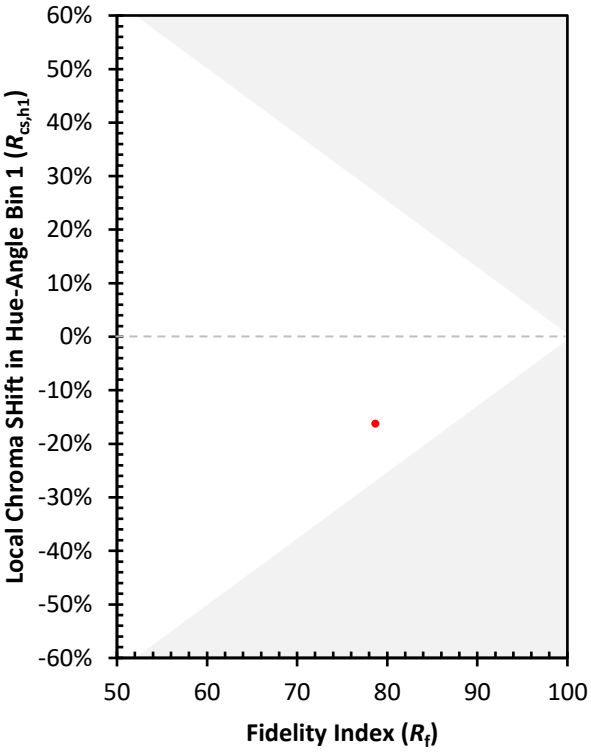
Measure Comparisons





(END OF REPORT)