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: STREETWORKS

Report Number: P991004

Luminaire Tested: **UFLD-CA2-120-730-U-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:	P991004
Test Lab:	INNOVATION CENTER(G2)
Issue Date:	04/10/2025
Manufacturer:	COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line:	STREETWORKS
Catalog Number:	UFLD-CA2-120-730-U-66
Description:	UTILITY FLOOD MEDIUM SIZE 120W 70CRI 3000K LED FIXTURE NEMA 6
Light Source:	(2) 3000K CCT, 70 CRI LEDS
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	19999.9 lumens
Efficiency:	N/A
Efficacy:	161.4 lumens/watt
Luminous Opening:	Rectangular (W 1' x L: 0.31' x H: 0')
IES Classification:	Type I - Short
BUG Rating:	B4 - U0 - G1

Input Watts (W):	123.9
Input Voltage (V):	120
Input Current (Ain):	NR
Voltage Rise (V):	NR
Power Factor:	0.99
Total Harmonic Distortion (THDi):	3.0%
Frequency (hertz):	60
Stabilization Time:	NR
Operation Time:	NR
Ambient Temperature (°C):	NR
Test Distance:	28.75 FT

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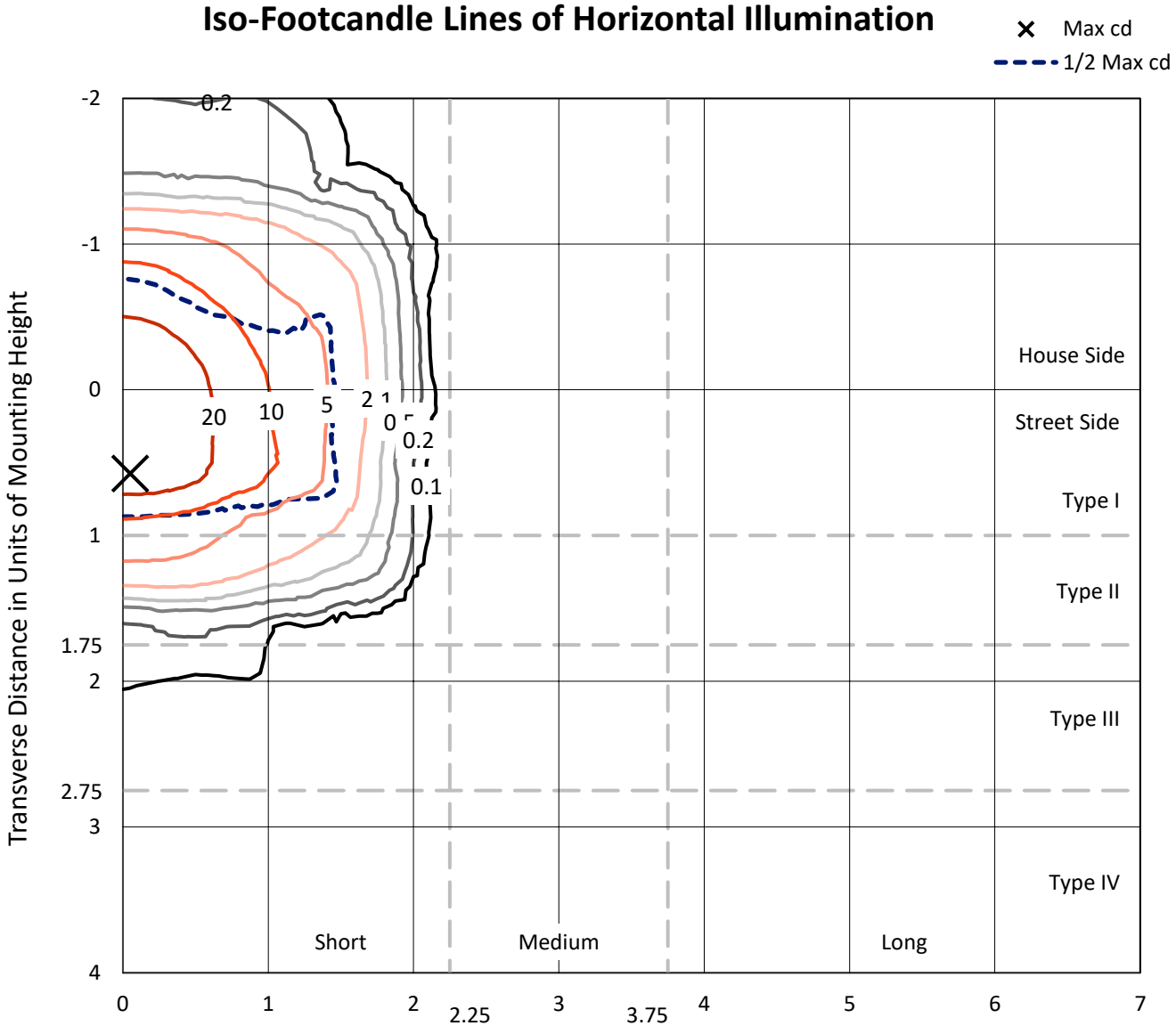
REPORT NUMBER: P991004
CATALOG NUMBER: UFLD-CA2-120-730-U-66

Iso-Footcandle Lines of Horizontal Illumination



Based on 15 foot mounting height. Maximum calculated value = 37.2 fc
Type I - Short - N/A

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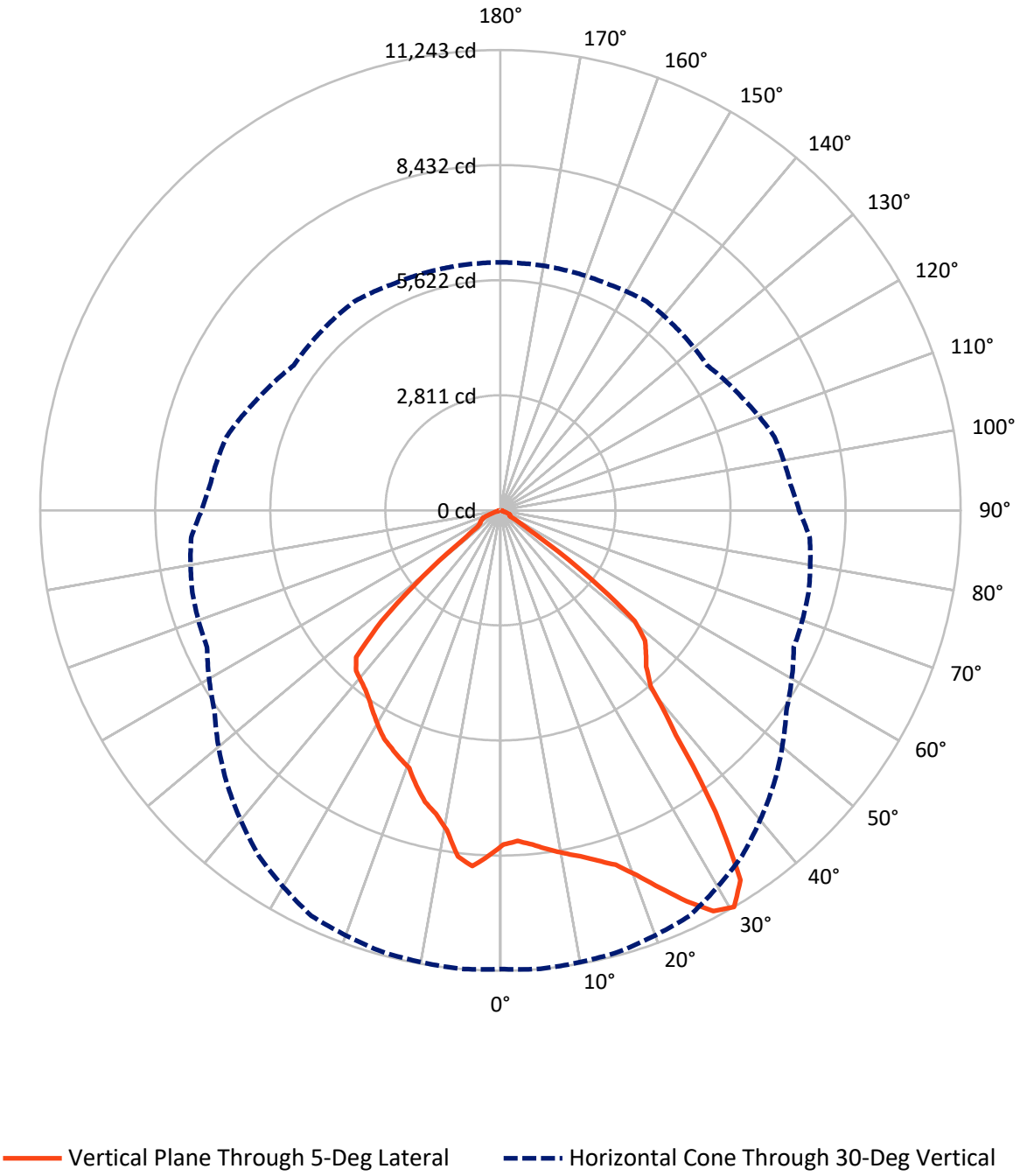
Luminous Intensity Polar Plot



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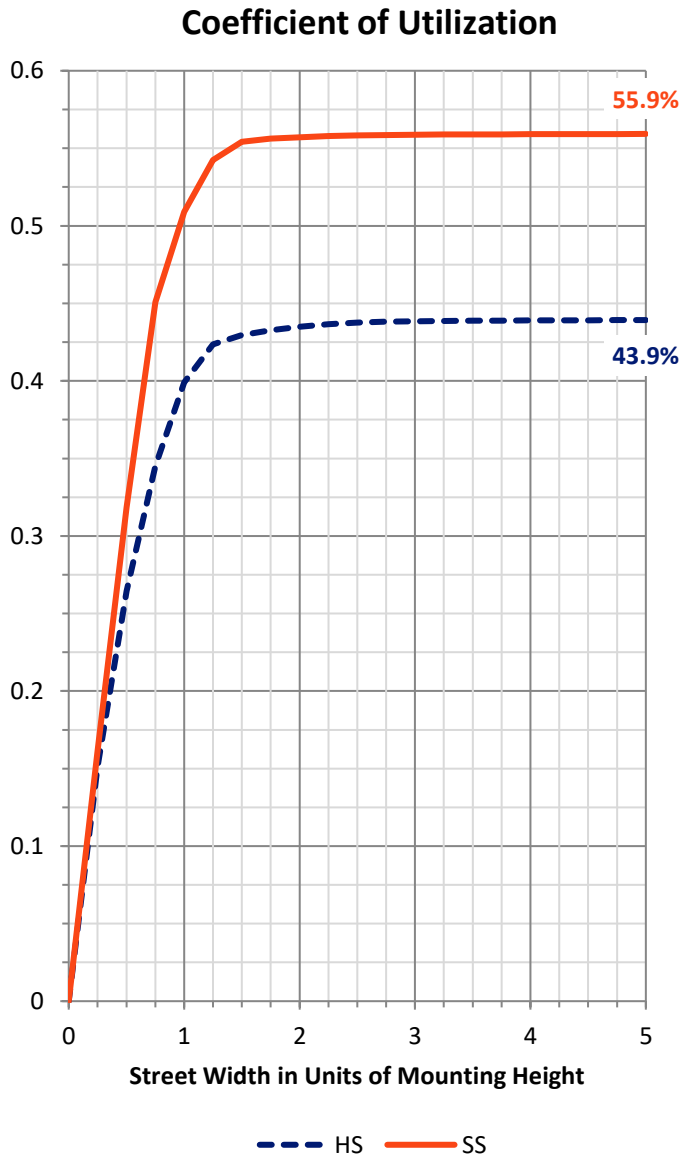
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	8845.8	0.0	8845.8
	% Fixture	44.2	0.0	44.2
Street Side	Lumens	11154.2	0.0	11154.2
	% Fixture	55.8	0.0	55.8
Total	Lumens	19999.9	0.0	19999.9
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	798.6	4.0
10°-20°	2313.3	11.6
20°-30°	3686.4	18.4
30°-40°	4608.7	23.0
40°-50°	4522.6	22.6
50°-60°	3233.4	16.2
60°-70°	715.4	3.6
70°-80°	109.9	0.5
80°-90°	11.6	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°	19999.9	100.0
0°-180°	19999.9	100.0



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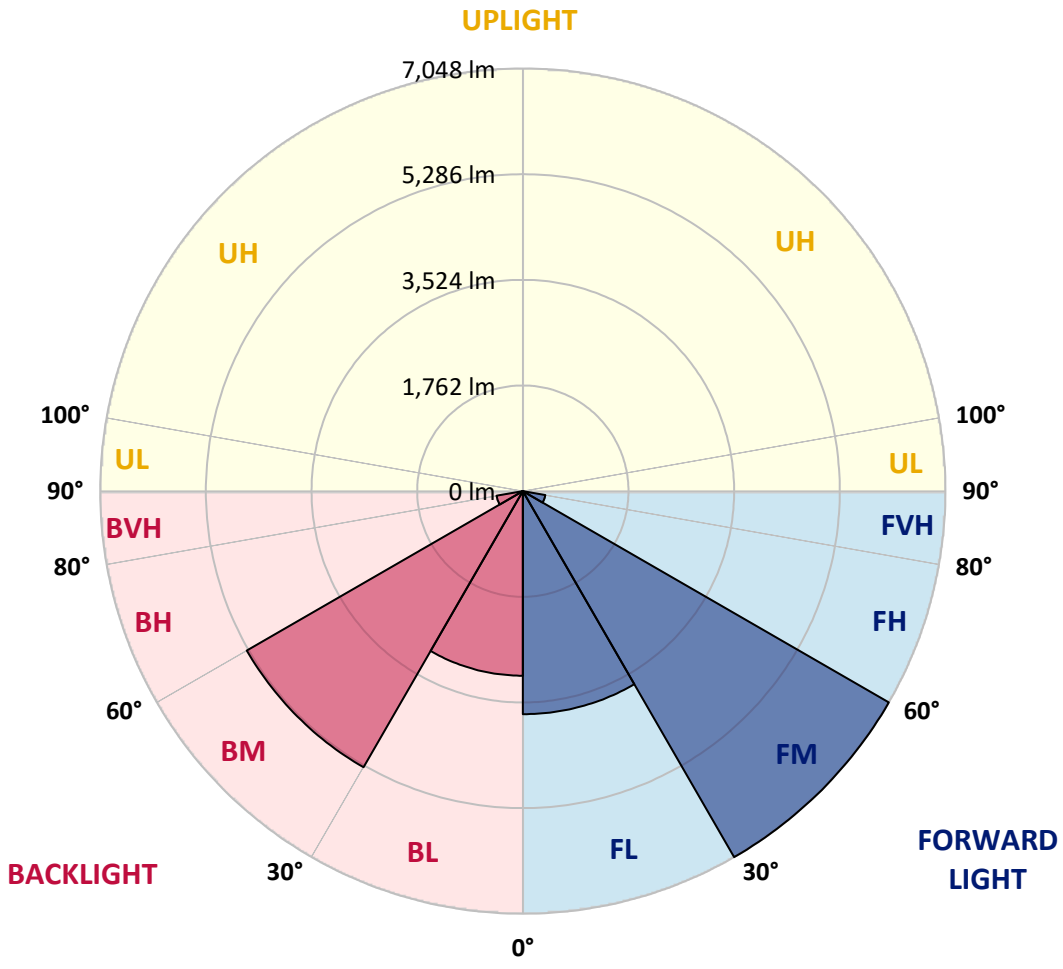
LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	3719.8	18.6			
FM	(30°-60°)	7048.0	35.2			
FH	(60°-80°)	380.5	1.9			G0/660
FVH	(80°-90°)	5.9	0.0			G0/10
BL	(0°-30°)	3078.5	15.4	B4/5000		
BM	(30°-60°)	5316.7	26.6	B4/8500		
BH	(60°-80°)	444.8	2.2	B1/500		G1/500
BVH	(80°-90°)	5.8	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-G1
Type I Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	8163.3	8163.3	8163.3	8163.3	8163.3	8163.3	8163.3	8163.3	8163.3	8163.3	8163.3
2.5°	8071.9	8085.0	8098.0	8117.6	8143.7	8156.7	8143.7	8130.6	8124.1	8137.2	8143.7
5°	8182.9	8202.4	8209.0	8222.0	8235.1	8222.0	8215.5	8202.4	8195.9	8202.4	8222.0
7.5°	8346.0	8359.0	8352.5	8346.0	8339.5	8293.8	8248.1	8228.5	8228.5	8248.1	8300.3
10°	8489.5	8515.6	8483.0	8456.9	8411.2	8339.5	8261.2	8215.5	8228.5	8267.7	8332.9
12.5°	8672.3	8672.3	8639.6	8613.5	8509.1	8424.3	8319.9	8248.1	8248.1	8319.9	8391.7
15°	8894.1	8874.5	8861.5	8789.7	8665.7	8528.7	8398.2	8293.8	8274.2	8385.1	8430.8
17.5°	9174.7	9102.9	9070.3	8946.3	8776.7	8600.5	8424.3	8339.5	8280.7	8398.2	8346.0
20°	9559.7	9507.5	9403.1	9207.3	8861.5	8633.1	8424.3	8313.4	8267.7	8332.9	8280.7
22.5°	10055.6	10023.0	9788.1	9540.1	9083.4	8659.2	8391.7	8241.6	8228.5	8195.9	8085.0
25°	10662.5	10577.7	10336.2	9983.9	9416.2	8913.7	8385.1	8111.1	8065.4	7980.6	7784.8
27.5°	11178.0	11086.7	10793.0	10479.8	9872.9	9292.2	8437.3	7954.5	7902.3	7843.5	7602.1
30°	11204.1	11243.3	11165.0	10930.0	10297.1	9448.8	8528.7	7908.8	7791.3	7582.5	7295.4
32.5°	10675.6	10766.9	10956.1	11041.0	10616.8	9638.0	8607.0	7928.4	7713.0	7210.6	6975.7
35°	8868.0	9050.7	9827.3	10558.1	10708.2	9912.1	8672.3	7928.4	7686.9	6943.0	6760.3
37.5°	6812.5	6962.6	7621.7	8946.3	10303.6	10081.7	8815.8	7882.7	7654.3	6962.6	6714.6
40°	5566.2	5651.0	5938.1	6838.6	8881.1	9801.2	8959.4	7934.9	7556.4	6975.7	6740.7
42.5°	5226.8	5220.3	5161.6	5494.4	6773.4	8978.9	9057.3	8065.4	7393.3	6890.8	6695.1
45°	4998.5	4985.4	4933.2	4998.5	5357.4	7347.6	8985.5	8300.3	7191.0	6590.7	6460.1
47.5°	4750.5	4757.0	4737.4	4763.5	4698.3	5579.2	8580.9	8398.2	6845.1	6088.2	6042.5
50°	4156.7	4254.6	4515.6	4541.7	4372.0	4502.5	7347.6	8352.5	6597.2	5944.6	5905.5
52.5°	2584.1	2740.7	3510.7	4163.2	4065.3	4065.3	5605.3	8417.8	6153.5	5892.4	5918.5
55°	913.6	1031.0	1879.3	2864.7	3641.2	3713.0	4430.7	7491.2	6101.2	5983.8	6009.9
57.5°	228.4	280.6	574.2	1239.8	2453.6	3367.1	3960.9	6186.1	4633.0	4469.9	4535.2
60°	267.5	261.0	358.9	398.0	952.7	2662.4	3569.4	4176.3	2988.6	2799.4	2832.0
62.5°	287.1	267.5	280.6	352.4	156.6	1305.1	2845.1	2486.2	1233.3	913.6	965.8
65°	254.5	241.4	221.9	326.3	110.9	241.4	1677.0	730.8	176.2	280.6	254.5
67.5°	169.7	176.2	182.7	261.0	104.4	104.4	221.9	182.7	124.0	254.5	221.9
70°	97.9	104.4	124.0	156.6	104.4	84.8	97.9	150.1	104.4	254.5	221.9
72.5°	58.7	58.7	58.7	65.3	104.4	71.8	65.3	124.0	91.4	234.9	221.9
75°	45.7	45.7	45.7	39.2	91.4	45.7	45.7	97.9	78.3	169.7	169.7
77.5°	39.2	39.2	39.2	32.6	52.2	39.2	39.2	71.8	71.8	84.8	97.9
80°	26.1	26.1	26.1	26.1	32.6	32.6	26.1	39.2	32.6	39.2	45.7
82.5°	13.1	19.6	19.6	13.1	19.6	19.6	19.6	26.1	19.6	26.1	26.1
85°	6.5	6.5	6.5	6.5	6.5	6.5	6.5	13.1	6.5	6.5	13.1
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

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CATALOG NUMBER: UFLD-CA2-120-730-U-66

CANDELA DISTRIBUTION (continued):

	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	8163.3	8163.3	8163.3	8163.3	8163.3	8163.3	8163.3	8163.3	8163.3	8163.3
2.5°	8156.7	8189.4	8235.1	8306.8	8332.9	8378.6	8417.8	8450.4	8450.4	8437.3
5°	8261.2	8352.5	8476.5	8587.4	8626.6	8672.3	8691.8	8724.5	8717.9	8711.4
7.5°	8352.5	8496.1	8626.6	8704.9	8691.8	8633.1	8594.0	8541.7	8522.2	8535.2
10°	8424.3	8554.8	8613.5	8561.3	8404.7	8267.7	8091.5	7974.0	7915.3	7934.9
12.5°	8450.4	8496.1	8443.9	8156.7	7961.0	7830.5	7686.9	7608.6	7576.0	7582.5
15°	8456.9	8352.5	8065.4	7850.1	7706.5	7543.4	7425.9	7354.1	7354.1	7360.7
17.5°	8319.9	8065.4	7817.4	7654.3	7452.0	7282.3	7217.1	7191.0	7027.9	7054.0
20°	8195.9	7830.5	7693.4	7439.0	7197.5	7086.6	6708.1	6669.0	6675.5	6682.0
22.5°	7934.9	7660.8	7536.8	7204.0	6930.0	6623.3	6571.1	6531.9	6538.5	6538.5
25°	7576.0	7419.4	7249.7	6903.9	6571.1	6512.3	6473.2	6421.0	6394.9	6401.4
27.5°	7373.7	7177.9	6864.7	6571.1	6355.7	6381.8	6336.2	6257.9	6257.9	6264.4
30°	*7119.2*	*6930.0*	*6512.3*	*6166.5*	*6186.1*	*6225.2*	*6114.3*	*6075.1*	*6055.6*	*6055.6*
32.5°	6806.0	6545.0	6179.6	5853.3	5970.7	5957.7	5820.7	5833.7	5846.8	5833.7
35°	6571.1	6231.8	5925.1	5748.9	5703.2	5651.0	5579.2	5624.9	5644.5	5631.4
37.5°	6512.3	6107.8	5788.0	5664.0	5487.9	5390.0	5409.6	5455.2	5481.3	5474.8
40°	6492.8	5983.8	5670.6	5540.1	5305.1	5220.3	5246.4	5337.8	5370.4	5363.9
42.5°	6466.7	5899.0	5598.8	5442.2	5115.9	5057.2	5181.2	5266.0	5272.5	5266.0
45°	6329.6	5807.6	5553.1	5239.9	4828.8	4900.6	5057.2	5102.9	5024.6	4991.9
47.5°	6009.9	5637.9	5416.1	4991.9	4593.9	4730.9	4750.5	4254.6	3967.4	3902.2
50°	5918.5	5644.5	5259.5	4698.3	4450.3	4587.4	3732.5	2851.6	2492.7	2420.9
52.5°	5892.4	5579.2	5318.2	4391.6	4398.1	3869.6	2355.7	1396.4	1122.4	1070.2
55°	5957.7	5866.3	5416.1	4208.9	4091.4	2518.8	1096.3	659.1	678.6	659.1
57.5°	4496.0	4907.1	5533.5	3921.8	2988.6	1213.7	691.7	639.5	593.8	580.8
60°	2805.9	3197.4	4052.3	3373.6	1533.5	724.3	704.7	593.8	574.2	567.7
62.5°	926.6	1422.5	2323.0	2218.6	424.2	717.8	711.3	528.6	528.6	528.6
65°	234.9	241.4	639.5	763.5	313.2	639.5	678.6	495.9	482.9	502.5
67.5°	202.3	182.7	339.3	300.2	261.0	443.7	593.8	476.4	450.3	450.3
70°	202.3	215.3	332.8	280.6	163.1	241.4	430.7	293.6	261.0	241.4
72.5°	189.2	208.8	293.6	254.5	110.9	117.5	189.2	97.9	91.4	78.3
75°	163.1	169.7	228.4	228.4	117.5	58.7	78.3	65.3	65.3	58.7
77.5°	110.9	84.8	130.5	163.1	84.8	39.2	32.6	32.6	32.6	26.1
80°	58.7	32.6	32.6	26.1	32.6	32.6	19.6	26.1	26.1	19.6
82.5°	32.6	19.6	19.6	13.1	13.1	19.6	13.1	13.1	13.1	13.1
85°	13.1	13.1	6.5	6.5	6.5	13.1	6.5	6.5	6.5	6.5
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.5	6.5
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: SP1-2501-319-10

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

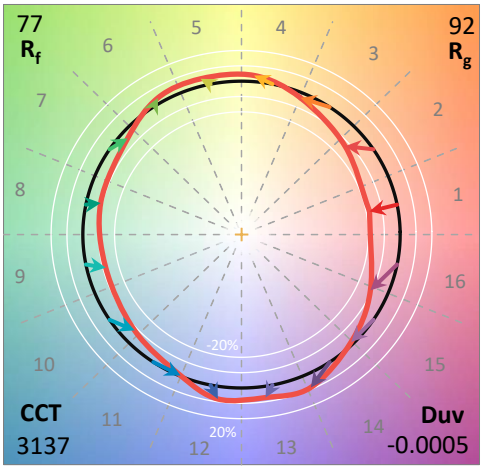
Test Information

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

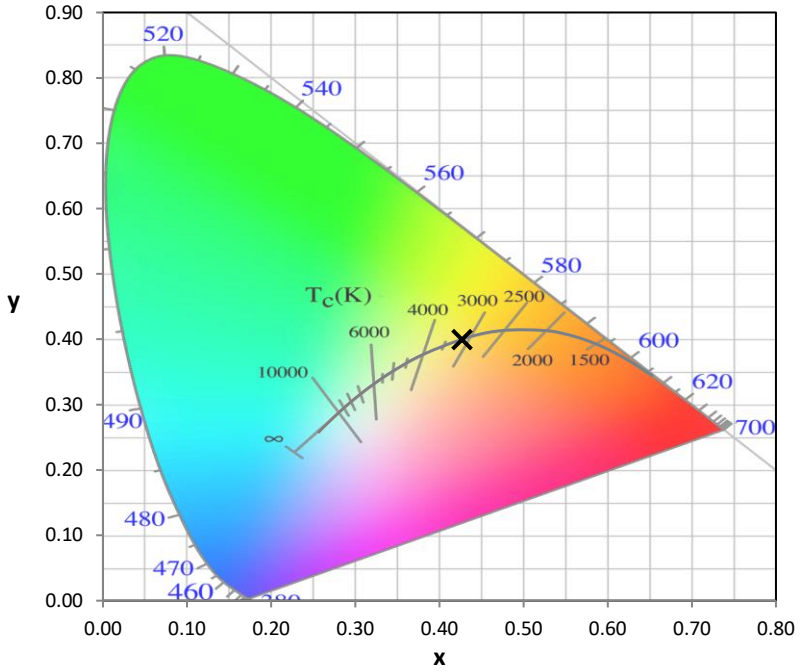
Stabilization Time:	39M
Operation Time:	1H 39M
Sphere Temperature (°C):	25.0

REPORT NUMBER: SP1-2501-319-10

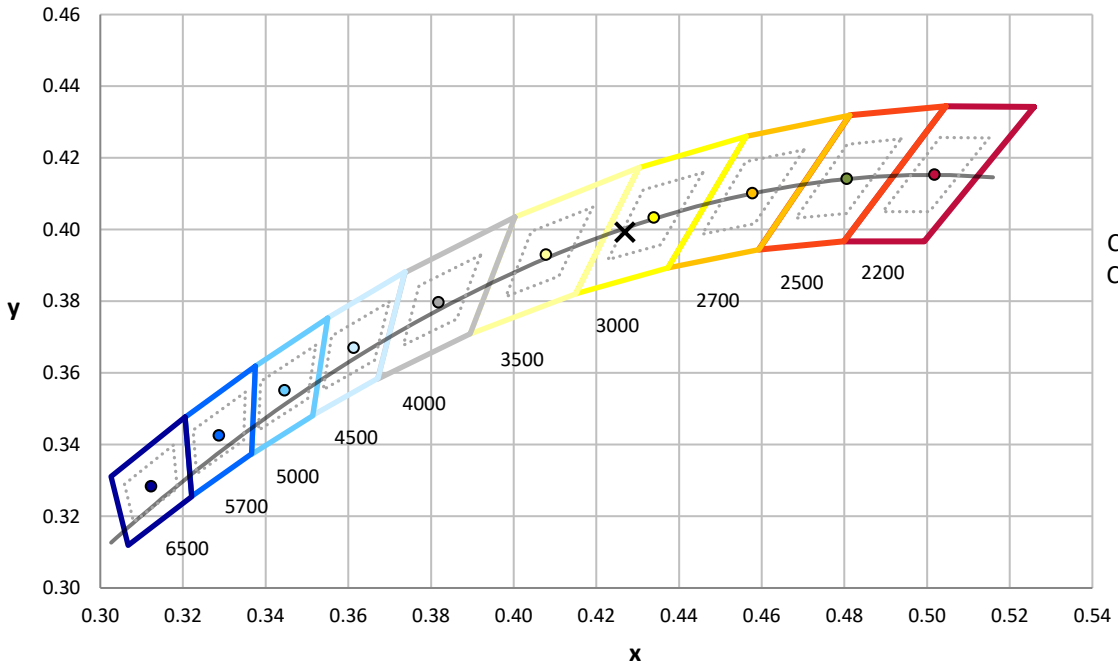
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	12/16/2024	6/16/2025
Power Meter	INXT2011004	1/212025	1/21/2026
AC Power Source	IN0063	10/22/2024	10/22/2025
DC Power Source	IN0208	10/22/2024	10/22/2025
Sphere Thermometer	IN0085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

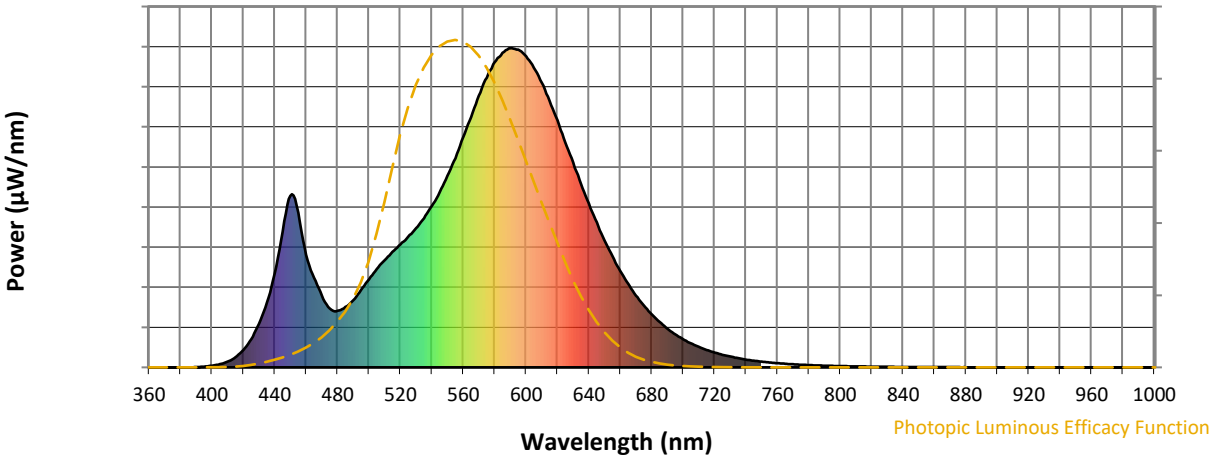


CCT = 3137K
CIE x = 0.4269
CIE y = 0.3993
Duv = -0.0005

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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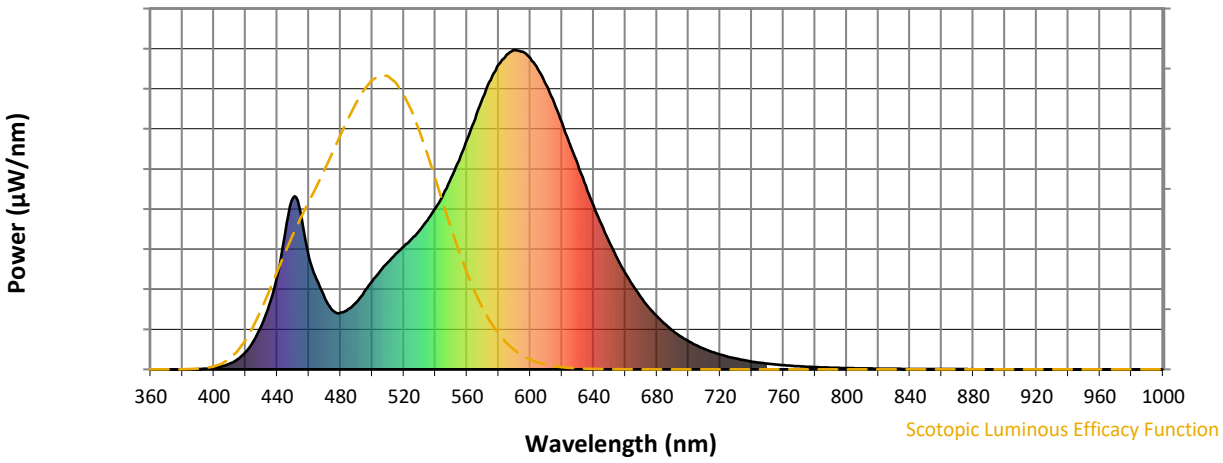
Scotopic Flux vs. Wavelength



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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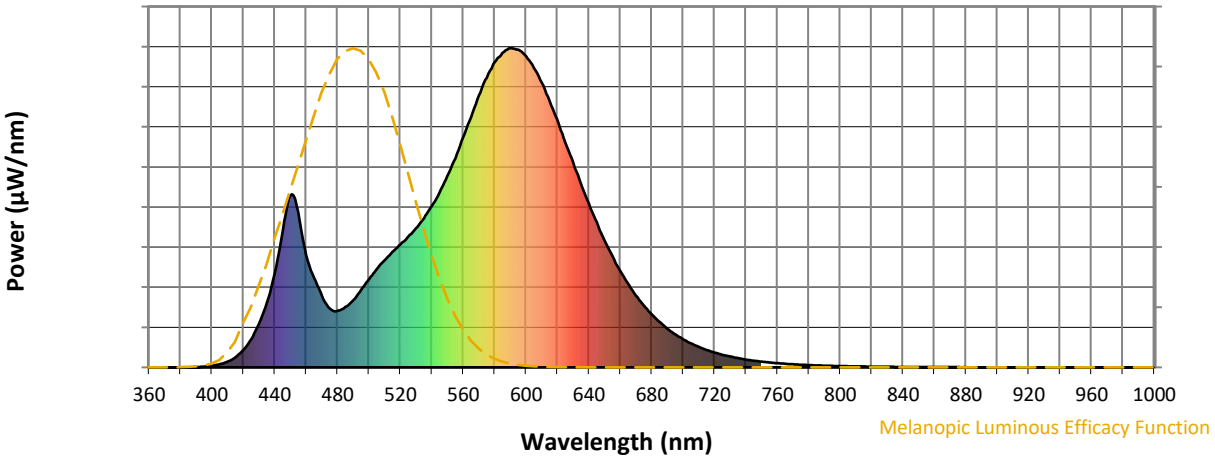
Melanopic Flux vs. Wavelength



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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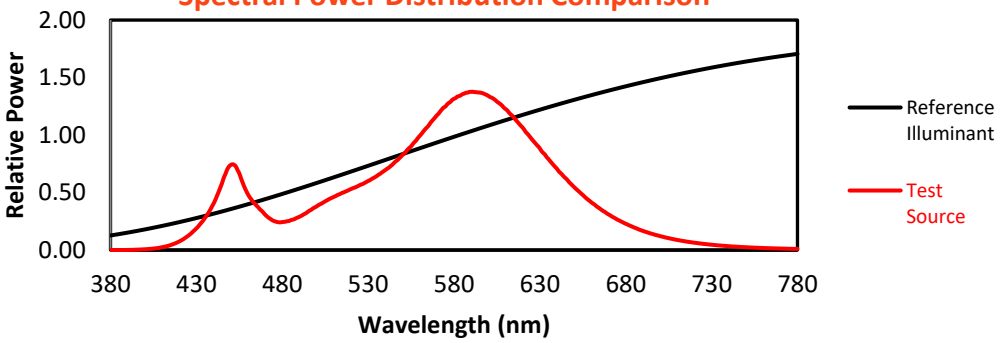
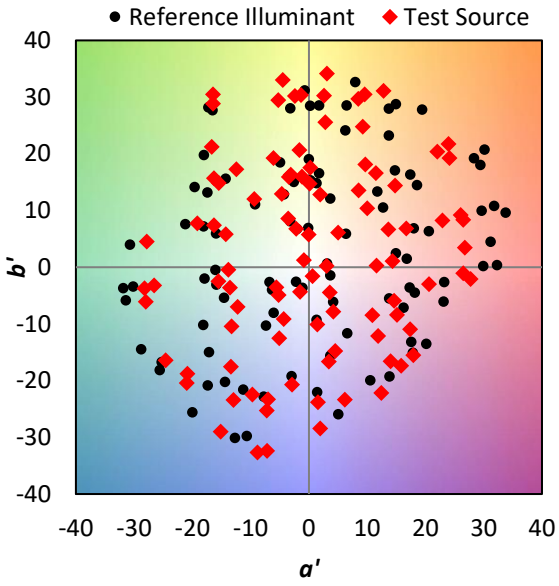
Summary

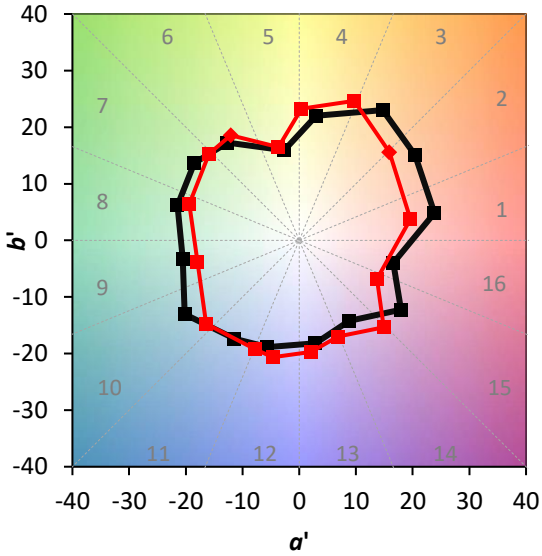
R_f = 76.5
R_g = 91.7
CIE R_a = 71.4
R_9 = -42.3

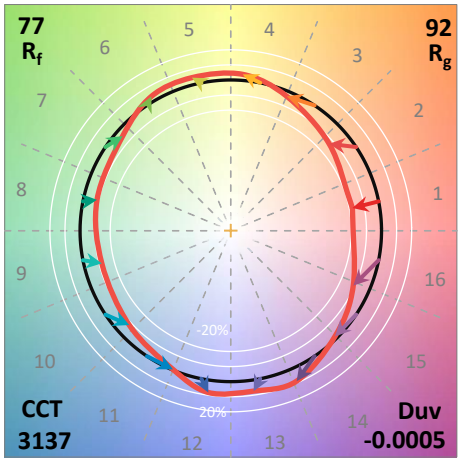
Spectral Power Distribution Comparison

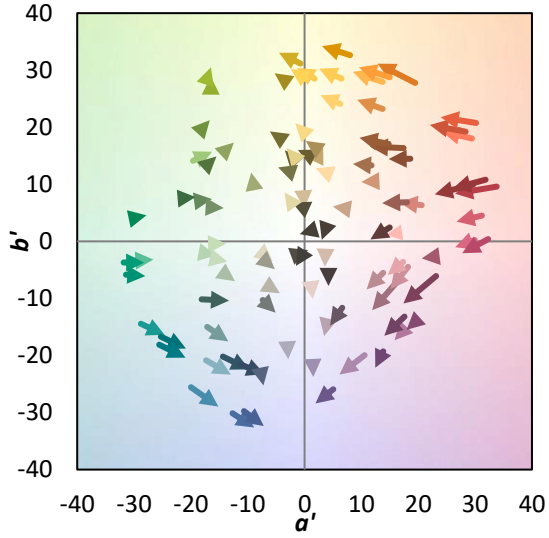


Color Vector Graphics









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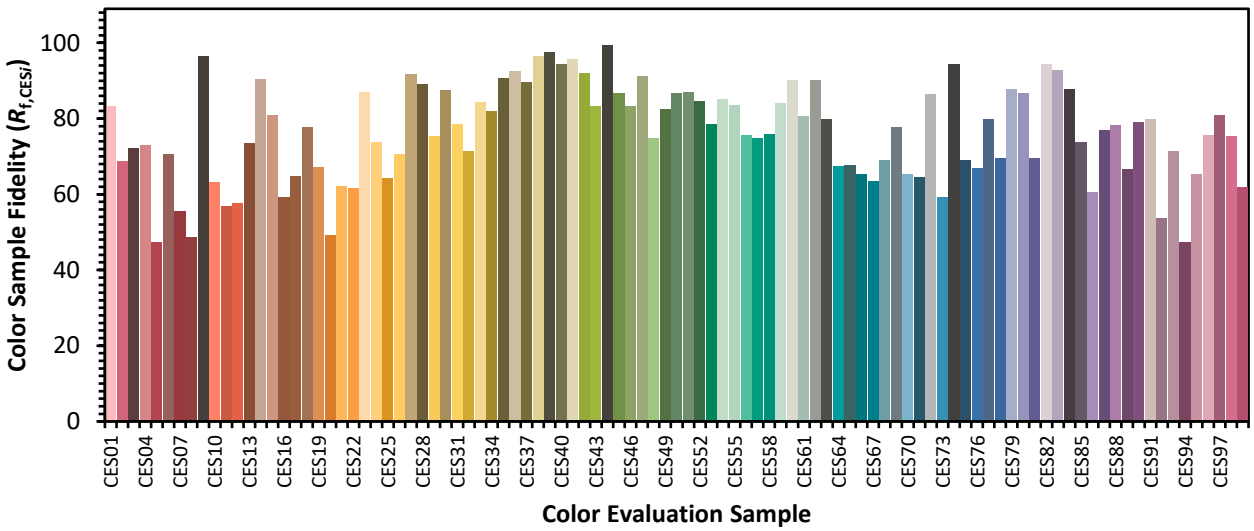
Individual Sample Fidelity Index ($R_{f,i}$)

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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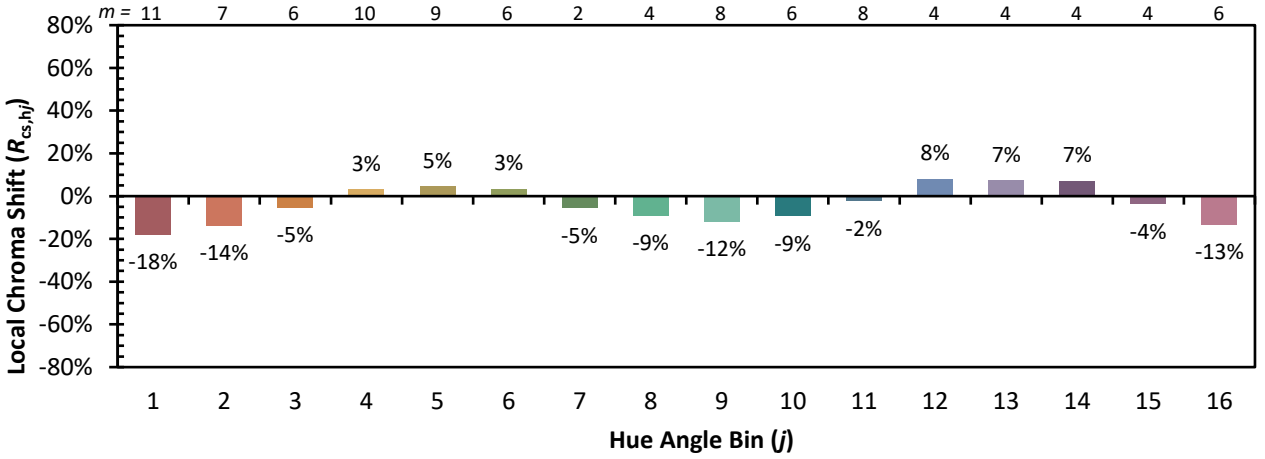
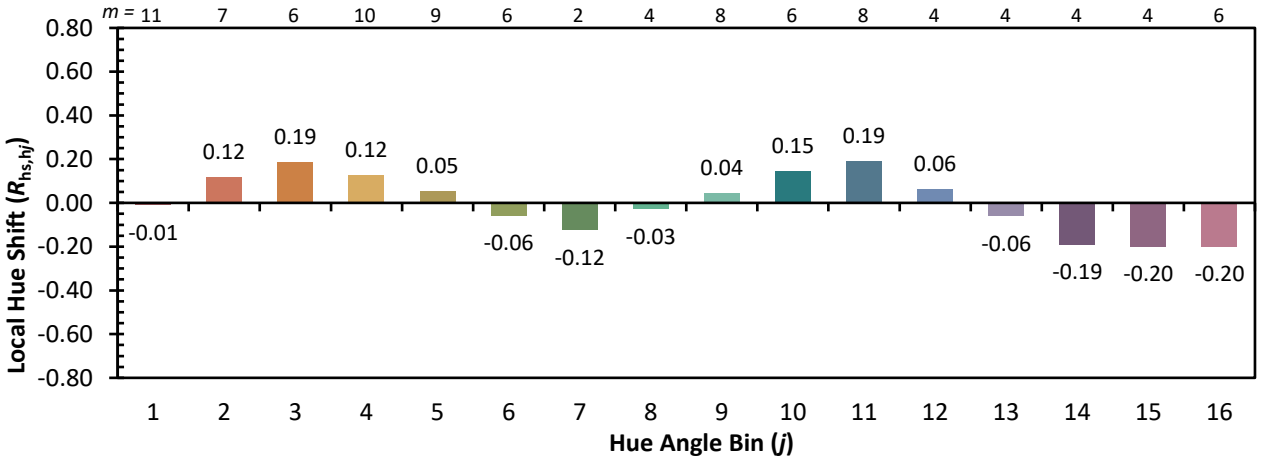
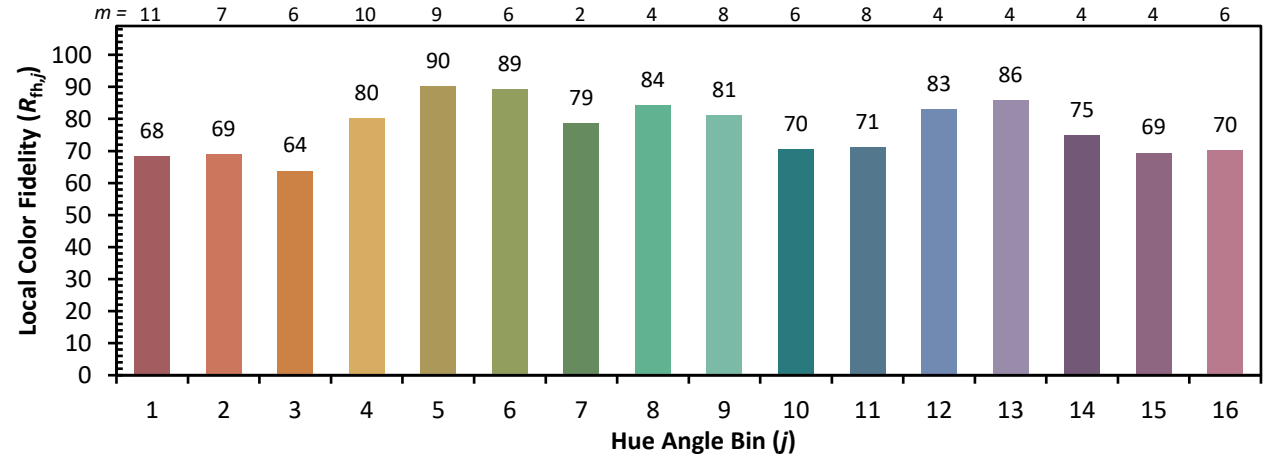
Color Rendition by Hue-Angle Bin







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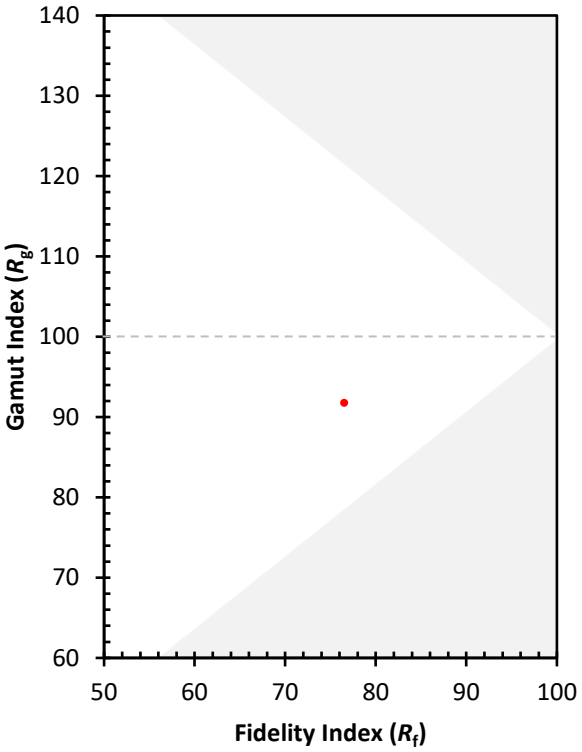
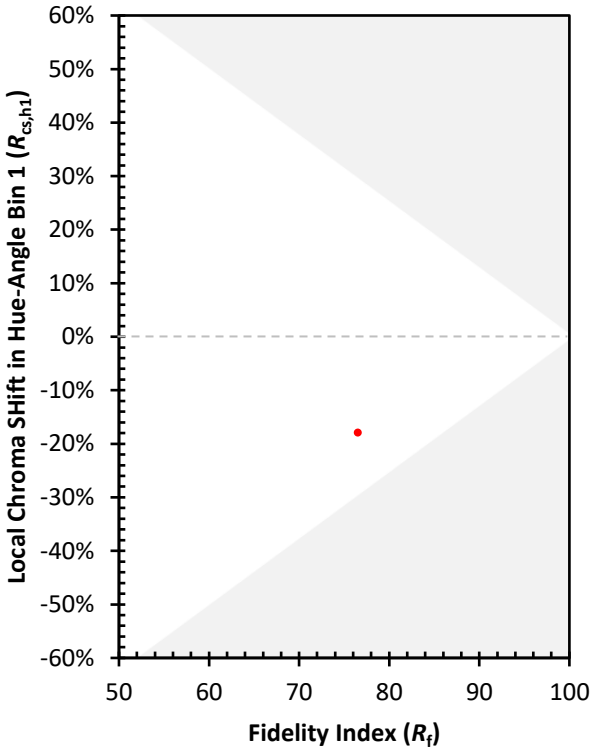
Measure Comparisons





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