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: P980958

Luminaire Tested: **NFFLD-C70-7030-66**

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:	P980958
Test Lab:	INNOVATION CENTER(G2)
Issue Date:	04/10/2025
Manufacturer:	COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line:	LUMARK
Catalog Number:	NFFLD-C70-7030-66
Description:	LUMARK NIGHT FALCON MEDIUM SIZE 180W 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:	26151 lumens
Efficiency:	N/A
Efficacy:	144.6 lumens/watt
Luminous Opening:	Rectangular (W 1' x L: 0.31' x H: 0')
IES Classification:	Type I - Short
BUG Rating:	B4 - U0 - G2

Input Watts (W):	180.8
Input Voltage (V):	120
Input Current (Ain):	NR
Voltage Rise (V):	NR
Power Factor:	0.99
Total Harmonic Distortion (THDi):	2.80%
Frequency (hertz):	60
Stabilization Time:	NR
Operation Time:	NR
Ambient Temperature (°C):	NR
Test Distance:	28.75 FT

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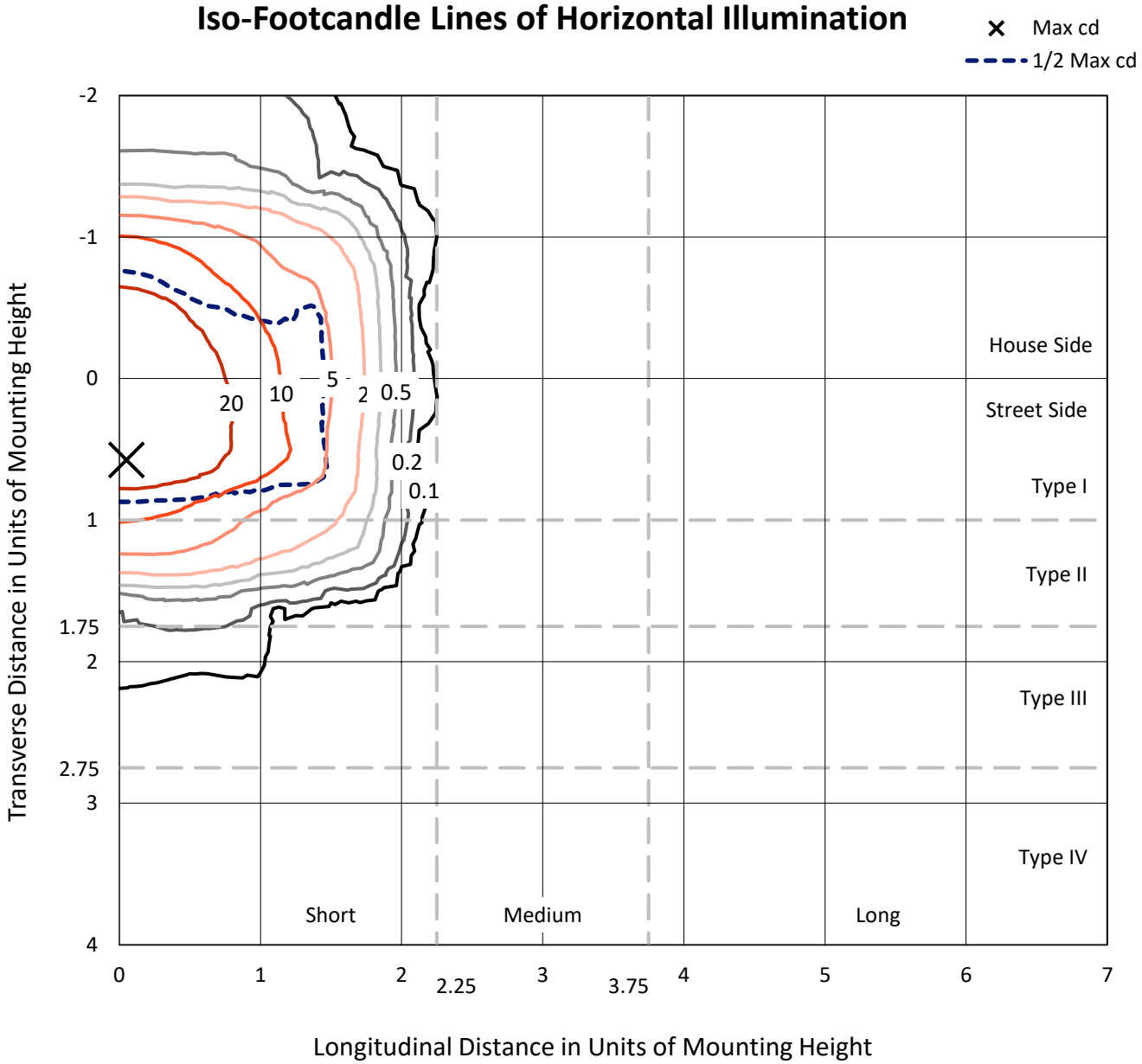
REPORT NUMBER: P980958
CATALOG NUMBER: NFFLD-C70-7030-66

Iso-Footcandle Lines of Horizontal Illumination



Based on 15 foot mounting height. Maximum calculated value = 48.6 fc
Type I - Short - N/A

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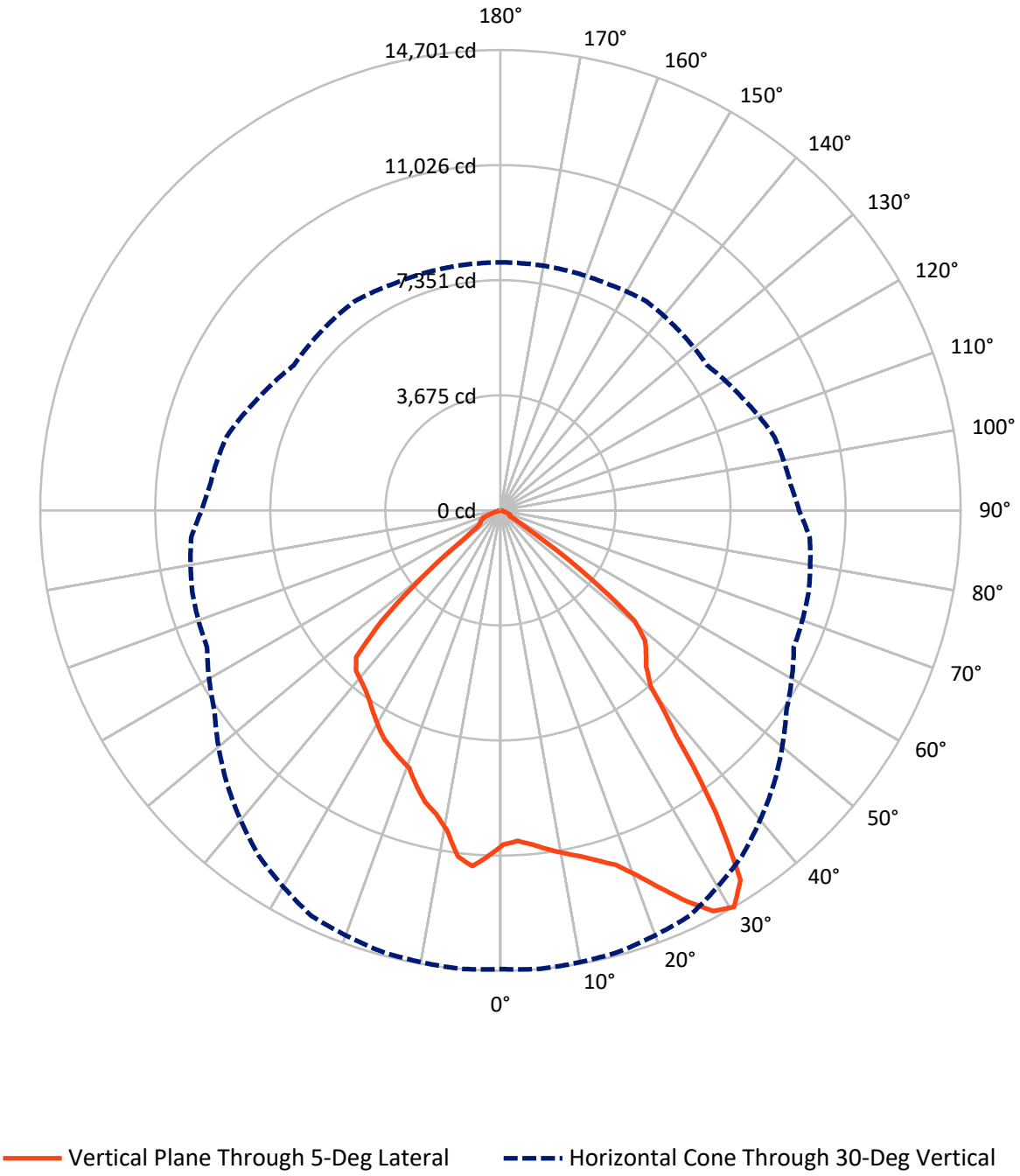
Luminous Intensity Polar Plot



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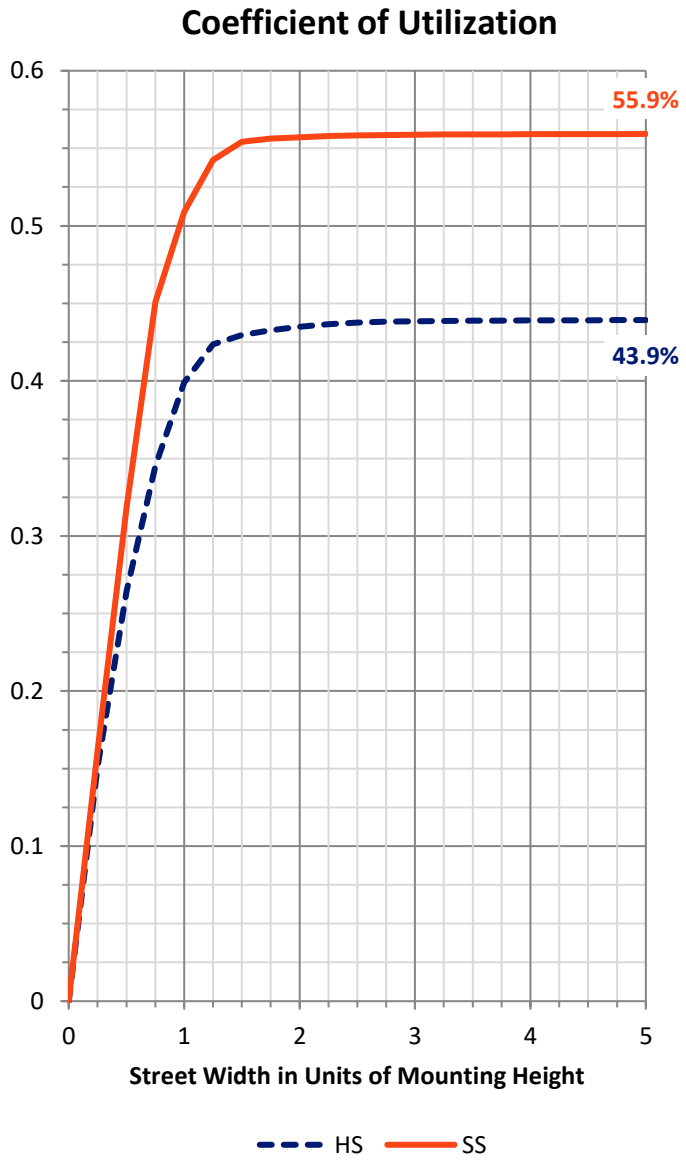
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	11566.4	0.0	11566.4
	% Fixture	44.2	0.0	44.2
Street Side	Lumens	14584.7	0.0	14584.7
	% Fixture	55.8	0.0	55.8
Total	Lumens	26151.0	0.0	26151.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1044.2	4.0
10°-20°	3024.8	11.6
20°-30°	4820.2	18.4
30°-40°	6026.1	23.0
40°-50°	5913.6	22.6
50°-60°	4227.9	16.2
60°-70°	935.4	3.6
70°-80°	143.7	0.5
80°-90°	15.2	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°	26151.0	100.0
0°-180°	26151.0	100.0



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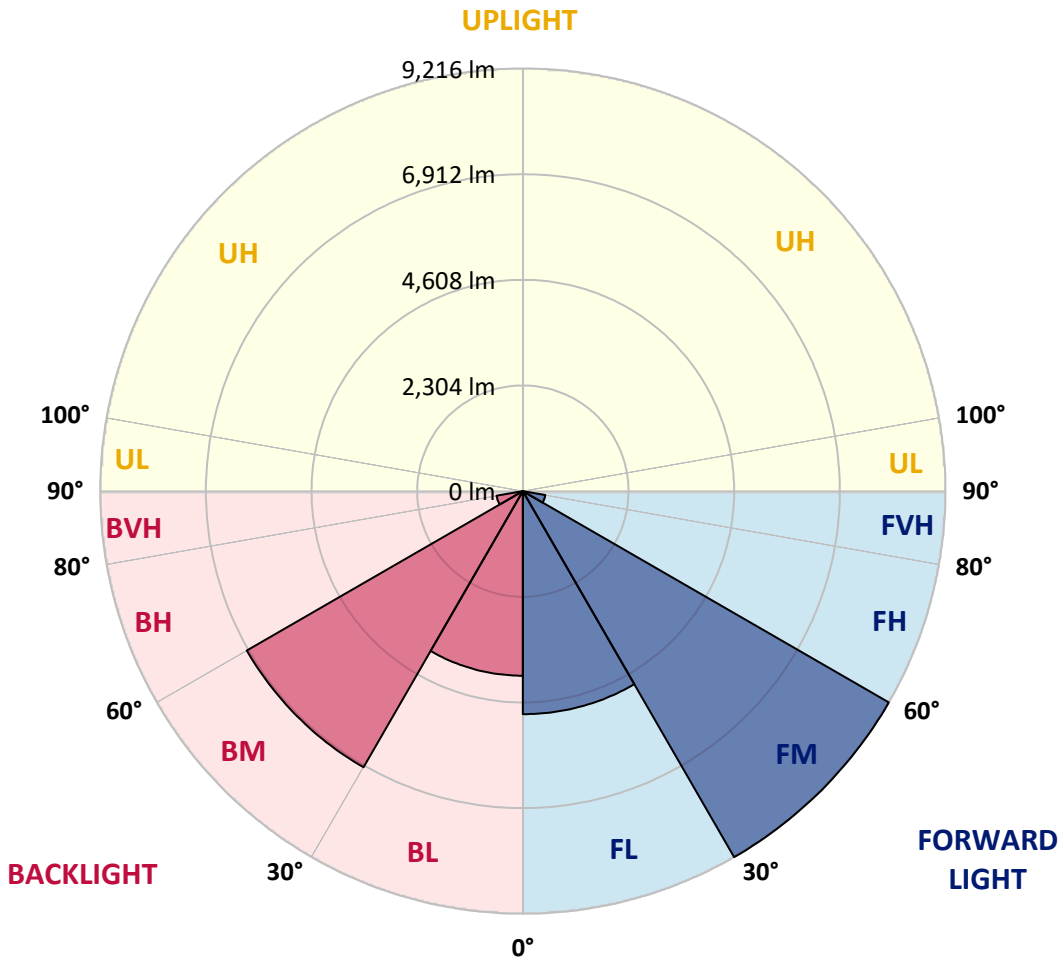
LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	4863.9	18.6			
FM	(30°-60°)	9215.6	35.2			
FH	(60°-80°)	497.5	1.9			G0/660
FVH	(80°-90°)	7.7	0.0			G0/10
BL	(0°-30°)	4025.3	15.4	B4/5000		
BM	(30°-60°)	6951.9	26.6	B4/8500		
BH	(60°-80°)	581.6	2.2	B2/1000		G2/1000
BVH	(80°-90°)	7.5	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: P980958
CATALOG NUMBER: NFFLD-C70-7030-66

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	10673.9	10673.9	10673.9	10673.9	10673.9	10673.9	10673.9	10673.9	10673.9	10673.9	10673.9
2.5°	10554.5	10571.6	10588.6	10614.2	10648.4	10665.4	10648.4	10631.3	10622.8	10639.8	10648.4
5°	10699.5	10725.1	10733.7	10750.7	10767.8	10750.7	10742.2	10725.1	10716.6	10725.1	10750.7
7.5°	10912.9	10929.9	10921.4	10912.9	10904.3	10844.6	10784.9	10759.3	10759.3	10784.9	10853.1
10°	11100.6	11134.7	11092.0	11057.9	10998.2	10904.3	10801.9	10742.2	10759.3	10810.5	10895.8
12.5°	11339.5	11339.5	11296.8	11262.7	11126.2	11015.2	10878.7	10784.9	10784.9	10878.7	10972.6
15°	11629.6	11604.0	11586.9	11493.1	11330.9	11151.8	10981.1	10844.6	10819.0	10964.0	11023.8
17.5°	11996.5	11902.6	11859.9	11697.8	11476.0	11245.6	11015.2	10904.3	10827.5	10981.1	10912.9
20°	12499.9	12431.6	12295.1	12039.1	11586.9	11288.3	11015.2	10870.2	10810.5	10895.8	10827.5
22.5°	13148.3	13105.7	12798.5	12474.3	11877.0	11322.4	10972.6	10776.3	10759.3	10716.6	10571.6
25°	13941.8	13830.9	13515.2	13054.5	12312.2	11655.2	10964.0	10605.7	10546.0	10435.0	10179.1
27.5°	14615.9	14496.4	14112.5	13702.9	12909.4	12150.0	11032.3	10400.9	10332.7	10255.9	9940.2
30°	14650.0	14701.2	14598.8	14291.7	13464.0	12354.8	11151.8	10341.2	10187.6	9914.6	9539.1
32.5°	13958.9	14078.3	14325.8	14436.7	13882.1	12602.3	11254.1	10366.8	10085.2	9428.2	9121.1
35°	11595.4	11834.3	12849.7	13805.3	14001.6	12960.6	11339.5	10366.8	10051.1	9078.4	8839.5
37.5°	8907.8	9104.0	9965.8	11697.8	13472.6	13182.5	11527.2	10307.1	10008.4	9104.0	8779.8
40°	7278.1	7389.0	7764.4	8941.9	11612.5	12815.6	11714.9	10375.3	9880.4	9121.1	8813.9
42.5°	6834.4	6825.9	6749.1	7184.2	8856.6	11740.5	11842.9	10546.0	9667.1	9010.1	8754.2
45°	6535.8	6518.7	6450.4	6535.8	7005.0	9607.4	11749.0	10853.1	9402.6	8617.7	8447.0
47.5°	6211.5	6220.1	6194.5	6228.6	6143.3	7295.1	11220.0	10981.1	8950.4	7960.7	7900.9
50°	5435.1	5563.1	5904.4	5938.5	5716.7	5887.3	9607.4	10921.4	8626.2	7773.0	7721.8
52.5°	3378.8	3583.6	4590.4	5443.6	5315.6	5315.6	7329.3	11006.7	8046.0	7704.7	7738.8
55°	1194.5	1348.1	2457.3	3745.7	4761.0	4854.9	5793.5	9795.1	7977.7	7824.1	7858.3
57.5°	298.6	366.9	750.8	1621.1	3208.2	4402.7	5179.1	8088.7	6058.0	5844.6	5930.0
60°	349.8	341.3	469.3	520.5	1245.7	3481.2	4667.2	5460.7	3907.8	3660.4	3703.0
62.5°	375.4	349.8	366.9	460.7	204.8	1706.5	3720.1	3250.8	1612.6	1194.5	1262.8
65°	332.8	315.7	290.1	426.6	145.0	315.7	2192.8	955.6	230.4	366.9	332.8
67.5°	221.8	230.4	238.9	341.3	136.5	136.5	290.1	238.9	162.1	332.8	290.1
70°	128.0	136.5	162.1	204.8	136.5	110.9	128.0	196.2	136.5	332.8	290.1
72.5°	76.8	76.8	76.8	85.3	136.5	93.9	85.3	162.1	119.5	307.2	290.1
75°	59.7	59.7	59.7	51.2	119.5	59.7	59.7	128.0	102.4	221.8	221.8
77.5°	51.2	51.2	51.2	42.7	68.3	51.2	51.2	93.9	93.9	110.9	128.0
80°	34.1	34.1	34.1	34.1	42.7	42.7	34.1	51.2	42.7	51.2	59.7
82.5°	17.1	25.6	25.6	17.1	25.6	25.6	25.6	34.1	25.6	34.1	34.1
85°	8.5	8.5	8.5	8.5	8.5	8.5	8.5	17.1	8.5	8.5	17.1
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: P980958
CATALOG NUMBER: NFFLD-C70-7030-66

CANDELA DISTRIBUTION (continued):

	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	10673.9	10673.9	10673.9	10673.9	10673.9	10673.9	10673.9	10673.9	10673.9	10673.9
2.5°	10665.4	10708.1	10767.8	10861.7	10895.8	10955.5	11006.7	11049.4	11049.4	11032.3
5°	10801.9	10921.4	11083.5	11228.5	11279.7	11339.5	11365.1	11407.7	11399.2	11390.7
7.5°	10921.4	11109.1	11279.7	11382.1	11365.1	11288.3	11237.1	11168.8	11143.2	11160.3
10°	11015.2	11185.9	11262.7	11194.4	10989.6	10810.5	10580.1	10426.5	10349.7	10375.3
12.5°	11049.4	11109.1	11040.8	10665.4	10409.4	10238.8	10051.1	9948.7	9906.0	9914.6
15°	11057.9	10921.4	10546.0	10264.4	10076.7	9863.4	9709.8	9615.9	9615.9	9624.5
17.5°	10878.7	10546.0	10221.7	10008.4	9743.9	9522.1	9436.8	9402.6	9189.3	9223.5
20°	10716.6	10238.8	10059.6	9726.9	9411.2	9266.1	8771.2	8720.0	8728.6	8737.1
22.5°	10375.3	10017.0	9854.8	9419.7	9061.3	8660.3	8592.1	8540.9	8549.4	8549.4
25°	9906.0	9701.3	9479.4	9027.2	8592.1	8515.3	8464.1	8395.8	8361.7	8370.2
27.5°	9641.5	9385.6	8976.0	8592.1	8310.5	8344.6	8284.9	8182.5	8182.5	8191.0
30°	*9308.8*	*9061.3*	*8515.3*	*8063.1*	*8088.7*	*8139.8*	*7994.8*	*7943.6*	*7918.0*	*7918.0*
32.5°	8899.2	8557.9	8080.1	7653.5	7807.1	7790.0	7610.8	7627.9	7645.0	7627.9
35°	8592.1	8148.4	7747.4	7517.0	7457.3	7389.0	7295.1	7354.9	7380.5	7363.4
37.5°	8515.3	7986.3	7568.2	7406.1	7175.7	7047.7	7073.3	7133.0	7167.2	7158.6
40°	8489.7	7824.1	7414.6	7244.0	6936.8	6825.9	6860.0	6979.4	7022.1	7013.6
42.5°	8455.5	7713.2	7320.7	7116.0	6689.3	6612.6	6774.7	6885.6	6894.1	6885.6
45°	8276.4	7593.8	7261.0	6851.5	6313.9	6407.8	6612.6	6672.3	6569.9	6527.2
47.5°	7858.3	7371.9	7081.8	6527.2	6006.8	6185.9	6211.5	5563.1	5187.7	5102.3
50°	7738.8	7380.5	6877.1	6143.3	5819.1	5998.2	4880.5	3728.6	3259.4	3165.5
52.5°	7704.7	7295.1	6953.9	5742.3	5750.8	5059.7	3080.2	1825.9	1467.6	1399.3
55°	7790.0	7670.6	7081.8	5503.4	5349.8	3293.5	1433.4	861.8	887.4	861.8
57.5°	5878.8	6416.3	7235.4	5127.9	3907.8	1587.0	904.4	836.2	776.4	759.4
60°	3668.9	4180.8	5298.6	4411.2	2005.1	947.1	921.5	776.4	750.8	742.3
62.5°	1211.6	1860.0	3037.5	2901.0	554.6	938.6	930.0	691.1	691.1	691.1
65°	307.2	315.7	836.2	998.3	409.6	836.2	887.4	648.5	631.4	657.0
67.5°	264.5	238.9	443.7	392.5	341.3	580.2	776.4	622.9	588.7	588.7
70°	264.5	281.6	435.1	366.9	213.3	315.7	563.1	384.0	341.3	315.7
72.5°	247.4	273.0	384.0	332.8	145.0	153.6	247.4	128.0	119.5	102.4
75°	213.3	221.8	298.6	298.6	153.6	76.8	102.4	85.3	85.3	76.8
77.5°	145.0	110.9	170.6	213.3	110.9	51.2	42.7	42.7	42.7	34.1
80°	76.8	42.7	42.7	34.1	42.7	42.7	25.6	34.1	34.1	25.6
82.5°	42.7	25.6	25.6	17.1	17.1	25.6	17.1	17.1	17.1	17.1
85°	17.1	17.1	8.5	8.5	8.5	17.1	8.5	8.5	8.5	8.5
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	8.5	8.5
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

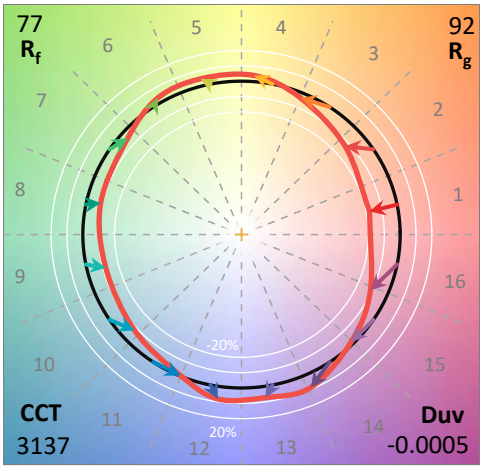
Report Generated By FNC07603 / LDUCLS01DT446
Version: v7.04

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

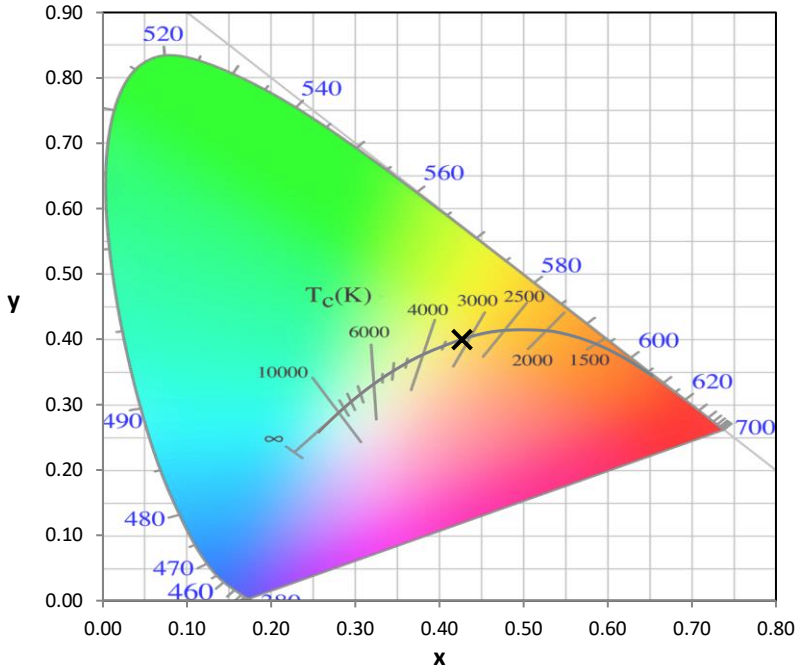
Stabilization Time:	39M
Operation Time:	1H 39M
Sphere Temperature (°C):	25.0

REPORT NUMBER: SP1-2501-319-10

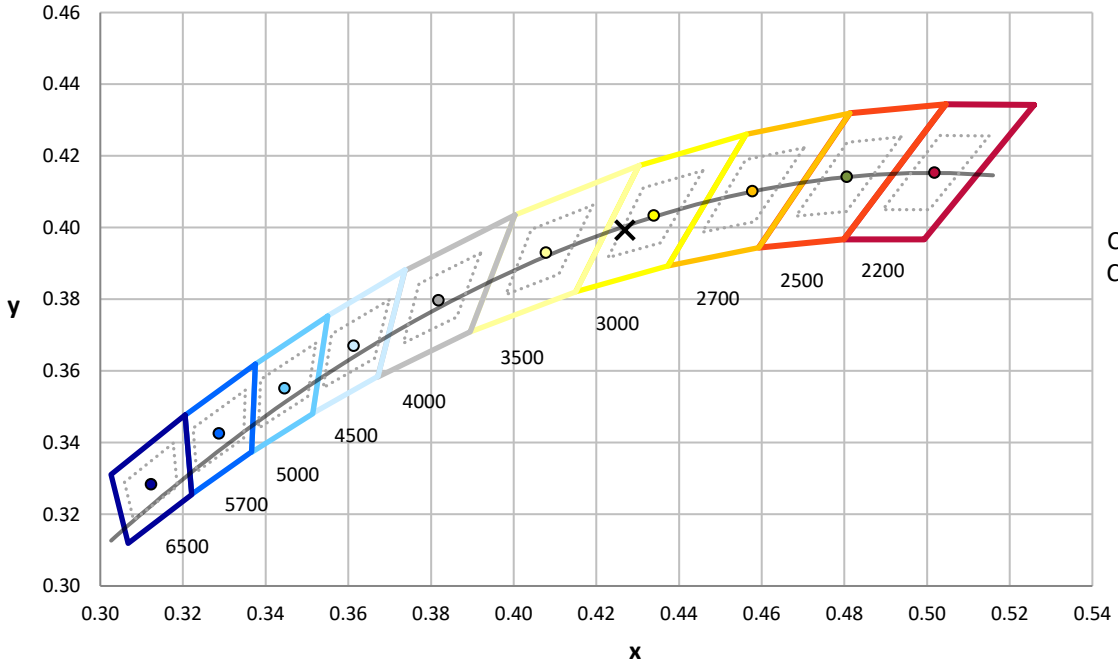
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	12/16/2024	6/16/2025
Power Meter	INXT2011004	1/212025	1/21/2026
AC Power Source	IN0063	10/22/2024	10/22/2025
DC Power Source	IN0208	10/22/2024	10/22/2025
Sphere Thermometer	IN0085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

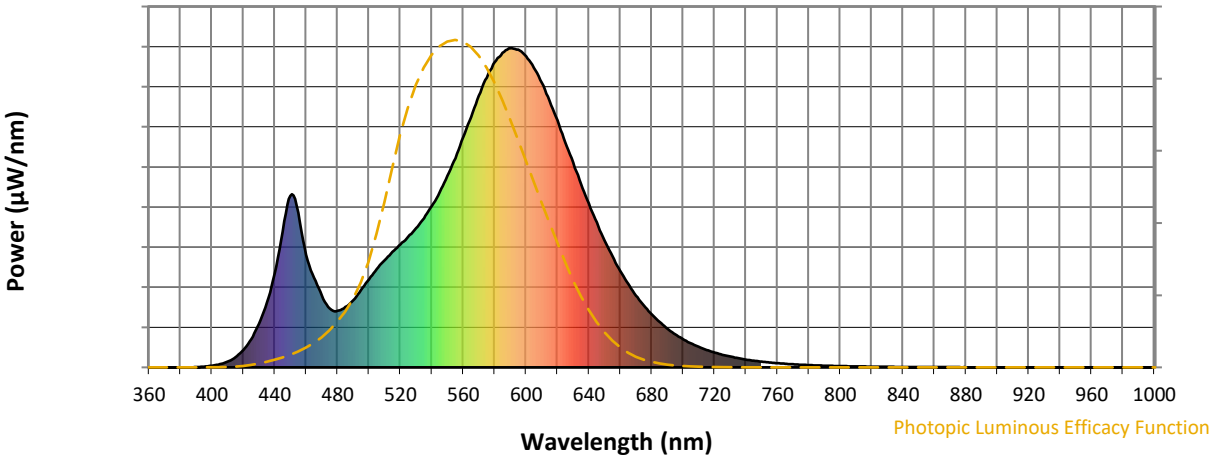


CCT = 3137K
CIE x = 0.4269
CIE y = 0.3993
Duv = -0.0005

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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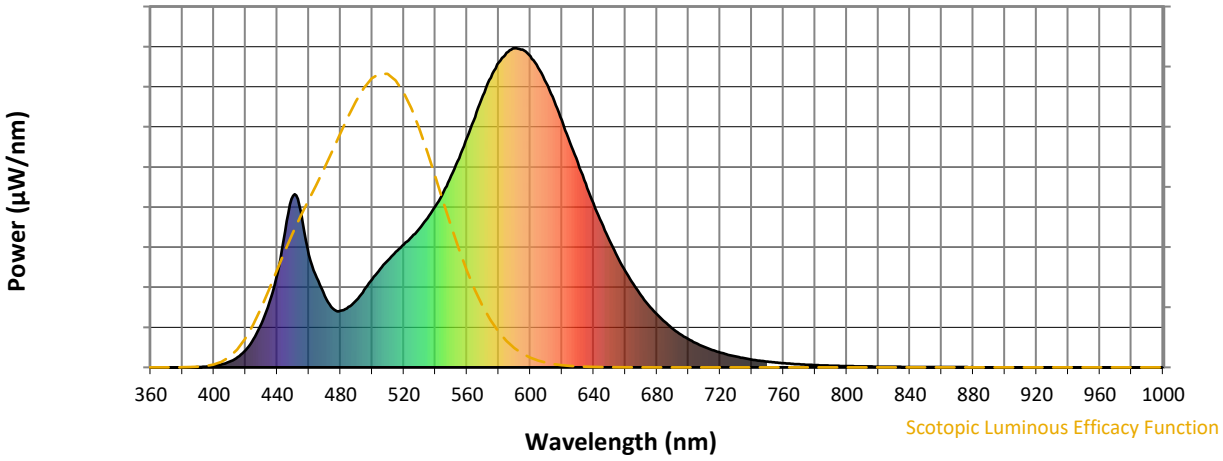
Scotopic Flux vs. Wavelength



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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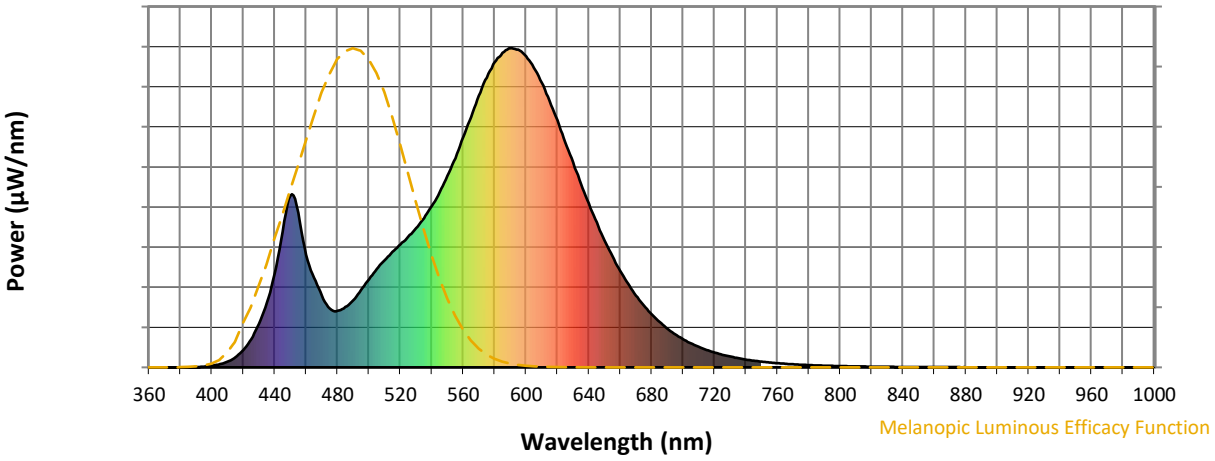
Melanopic Flux vs. Wavelength



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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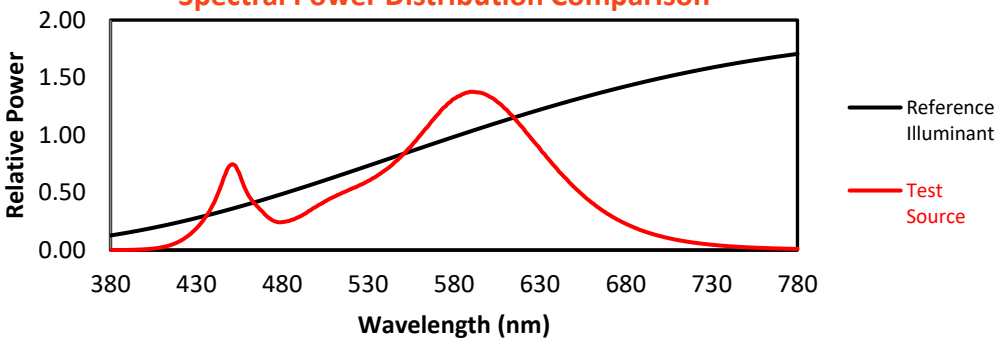
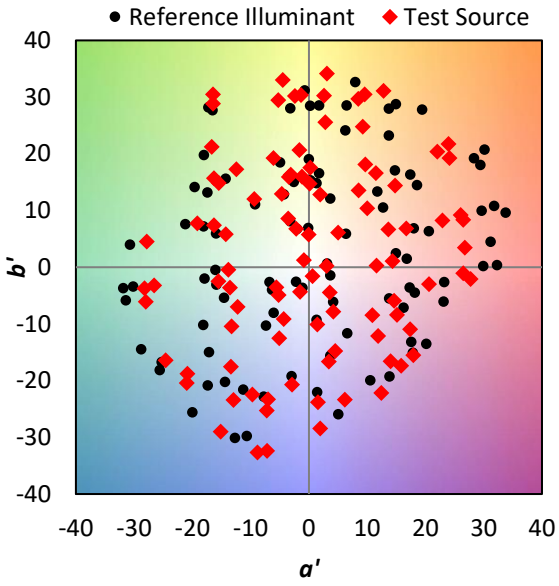
Summary

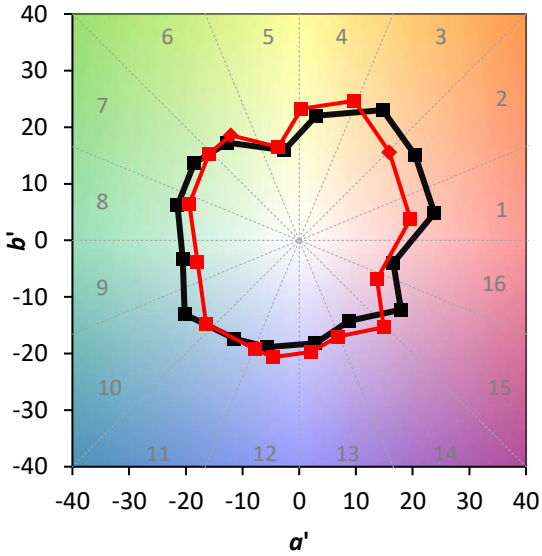
R_f = 76.5
R_g = 91.7
CIE R_a = 71.4
R_9 = -42.3

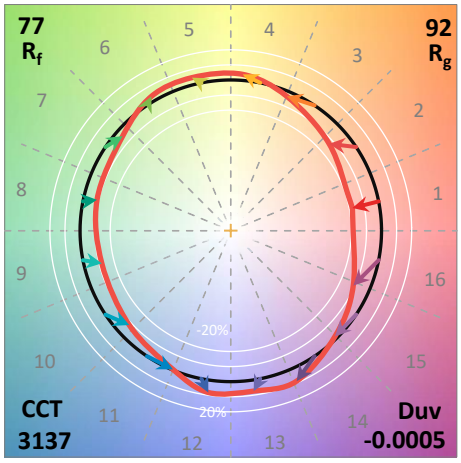
Spectral Power Distribution Comparison

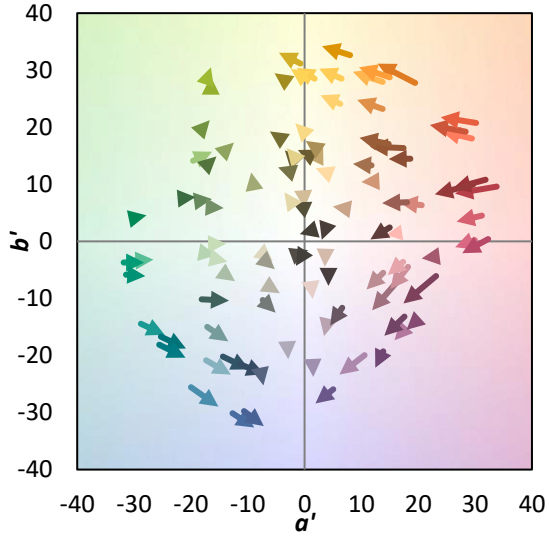


Color Vector Graphics









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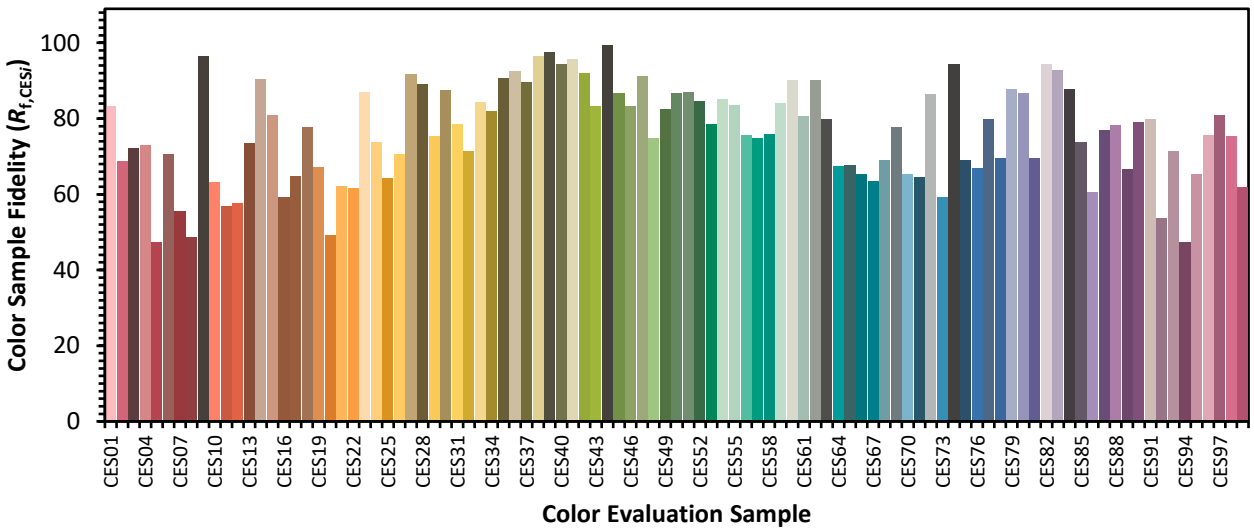
Individual Sample Fidelity Index ($R_{f,i}$)

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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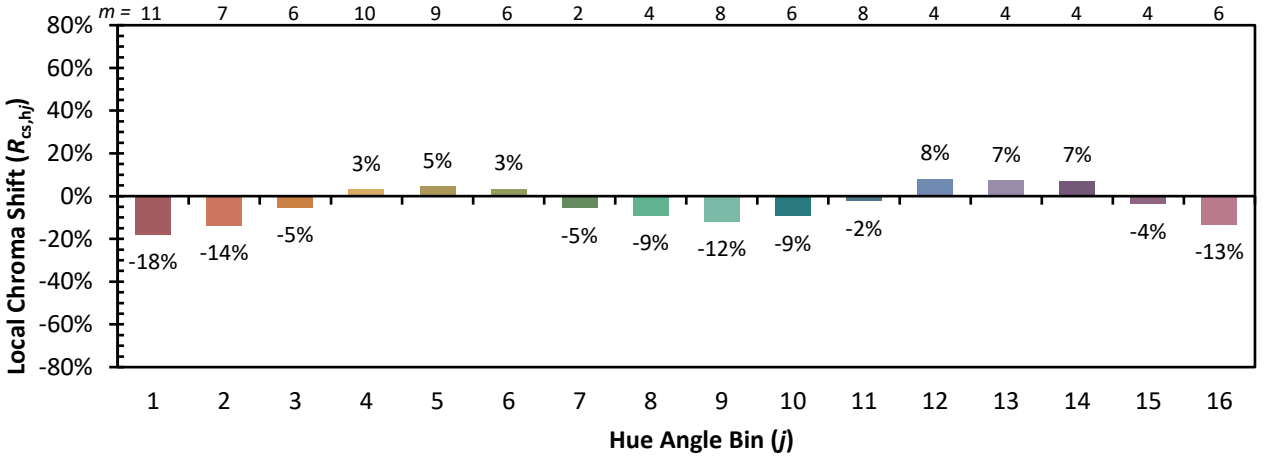
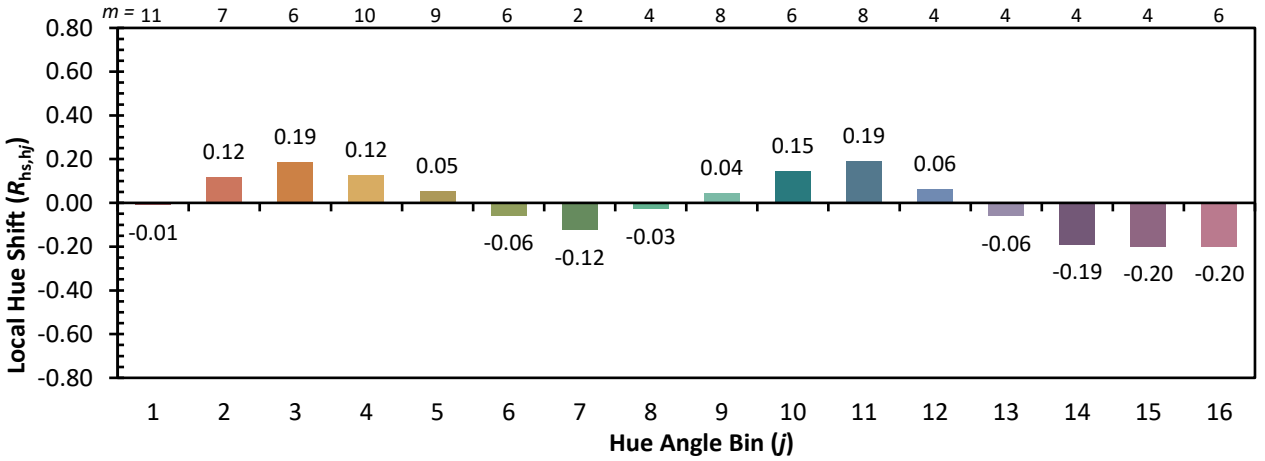
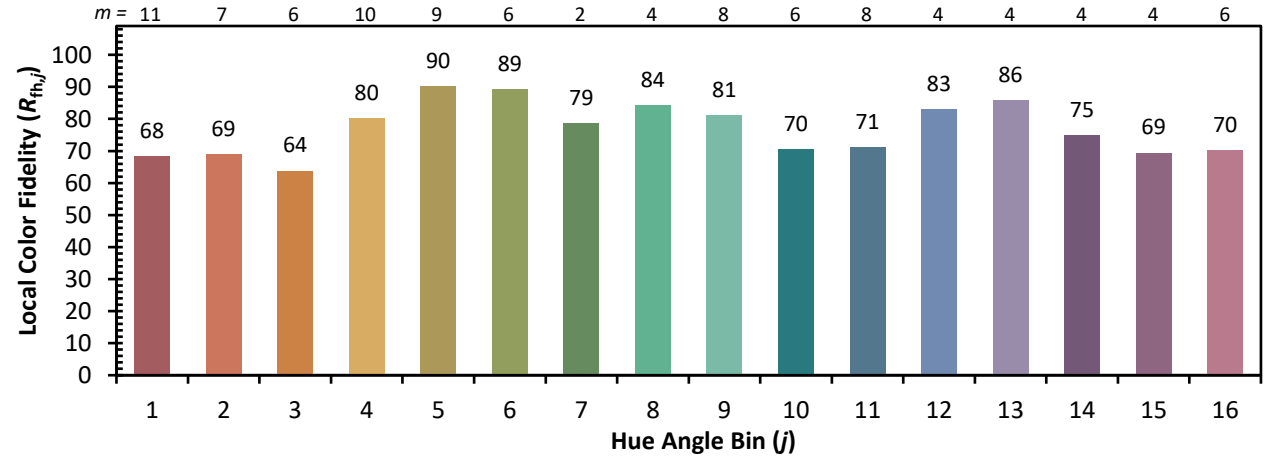
Color Rendition by Hue-Angle Bin







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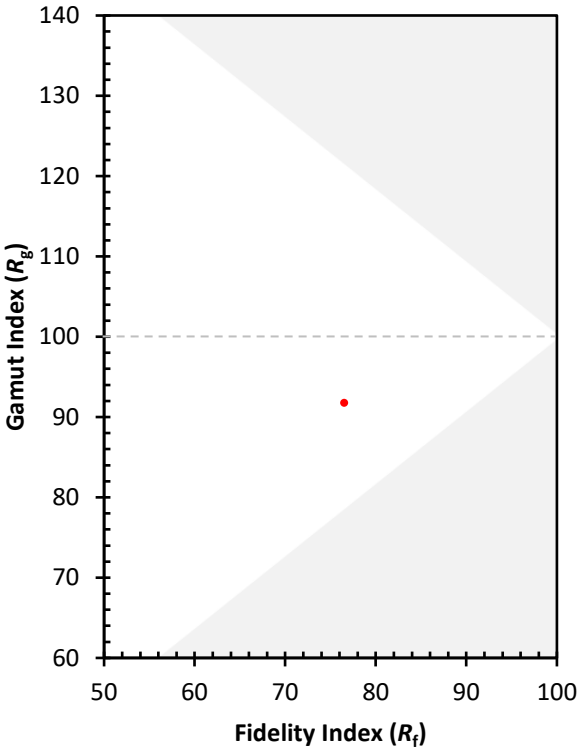
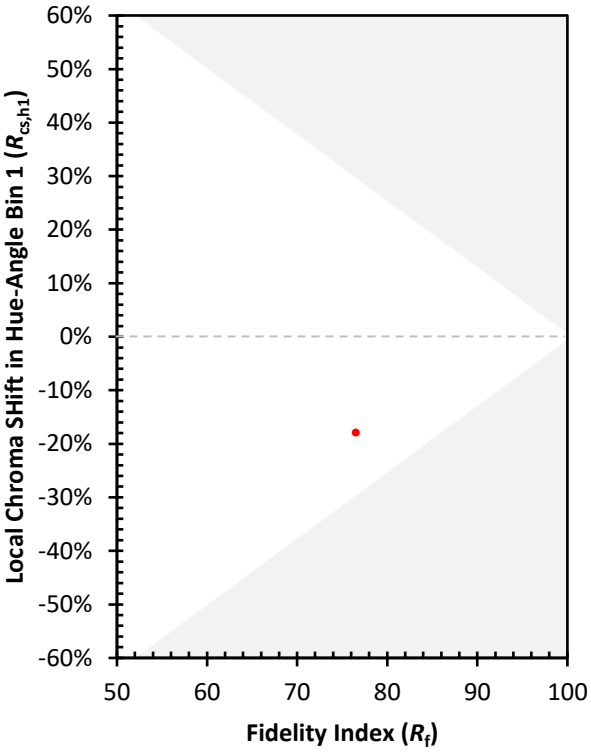
Measure Comparisons





(END OF REPORT)