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: P980967

Luminaire Tested: **NFFLD-C40-7040-66**

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:	P980967
Test Lab:	INNOVATION CENTER(G2)
Issue Date:	04/10/2025
Manufacturer:	COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line:	LUMARK
Catalog Number:	NFFLD-C40-7040-66
Description:	LUMARK NIGHT FALCON MEDIUM SIZE 130W 70CRI 4000K LED FIXTURE NEMA 6
Light Source:	(2) 4000K CCT, 70 CRI LEDS
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	22434.5 lumens
Efficiency:	N/A
Efficacy:	168.8 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):	132.9
Input Voltage (V):	120
Input Current (Ain):	NR
Voltage Rise (V):	NR
Power Factor:	0.99
Total Harmonic Distortion (THDi):	2.87%
Frequency (hertz):	60
Stabilization Time:	NR
Operation Time:	NR
Ambient Temperature (°C):	NR
Test Distance:	28.75 FT

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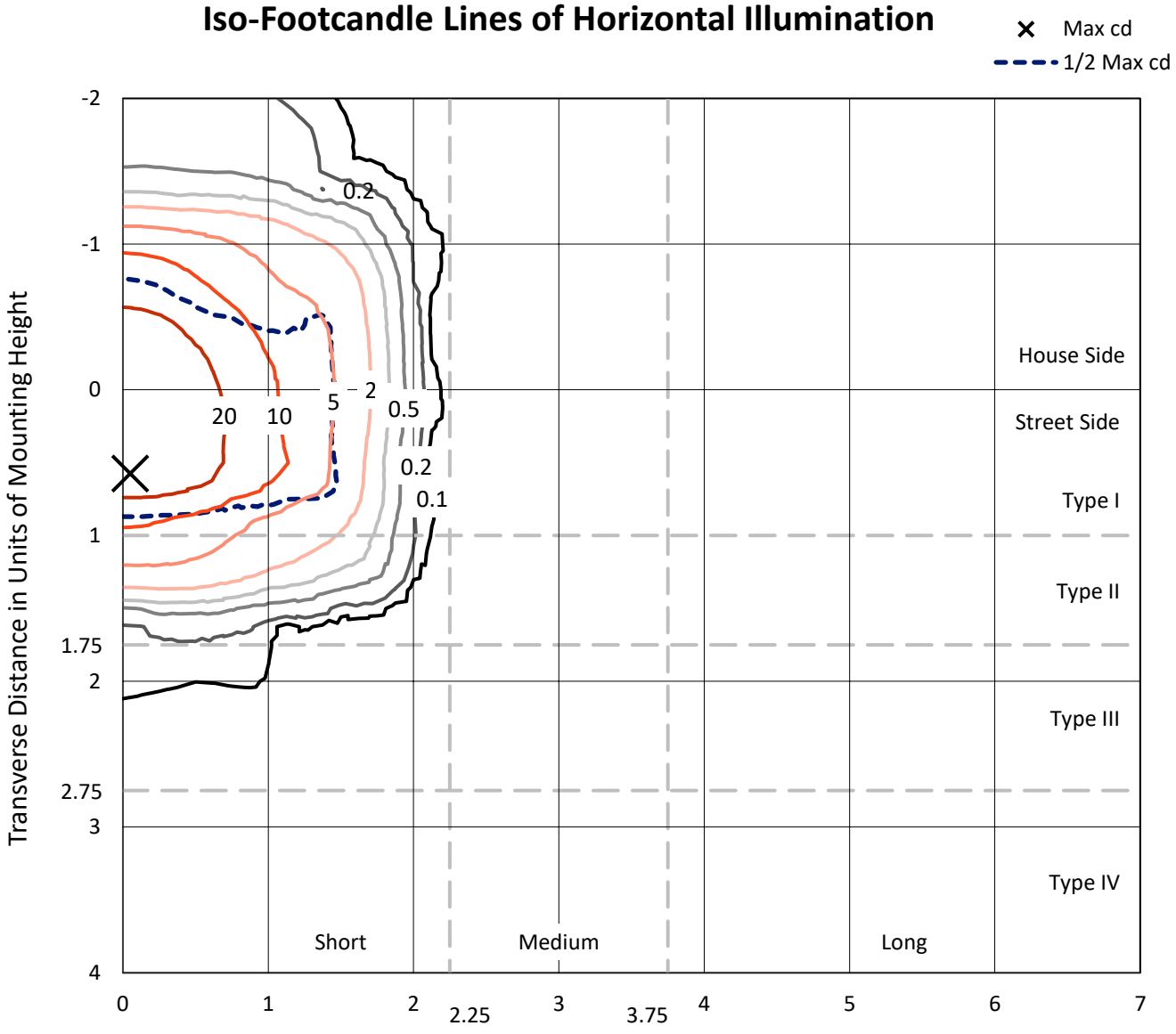
REPORT NUMBER: P980967
CATALOG NUMBER: NFFLD-C40-7040-66

Iso-Footcandle Lines of Horizontal Illumination



Based on 15 foot mounting height. Maximum calculated value = 41.7 fc
Type I - Short - N/A

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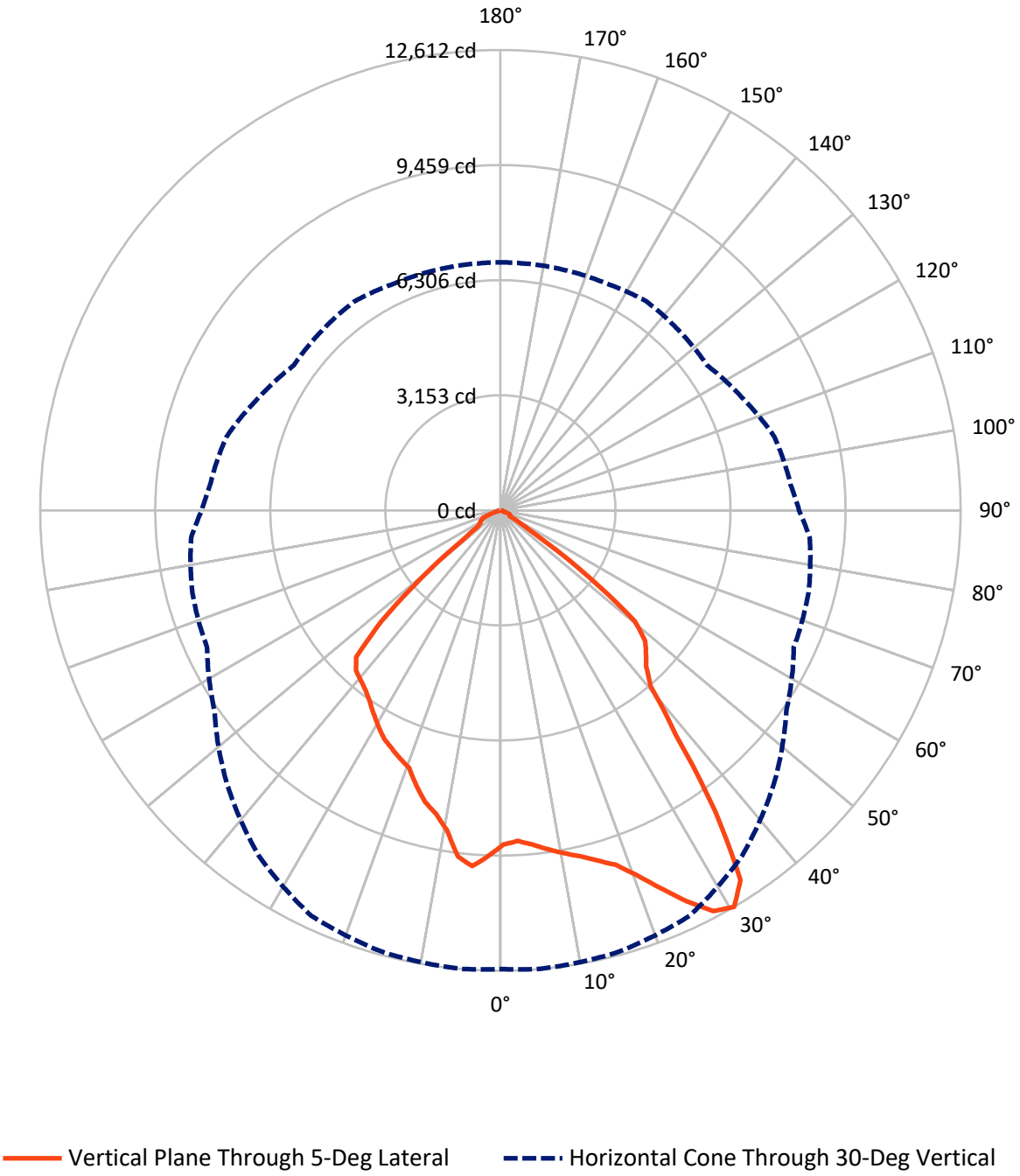
Luminous Intensity Polar Plot



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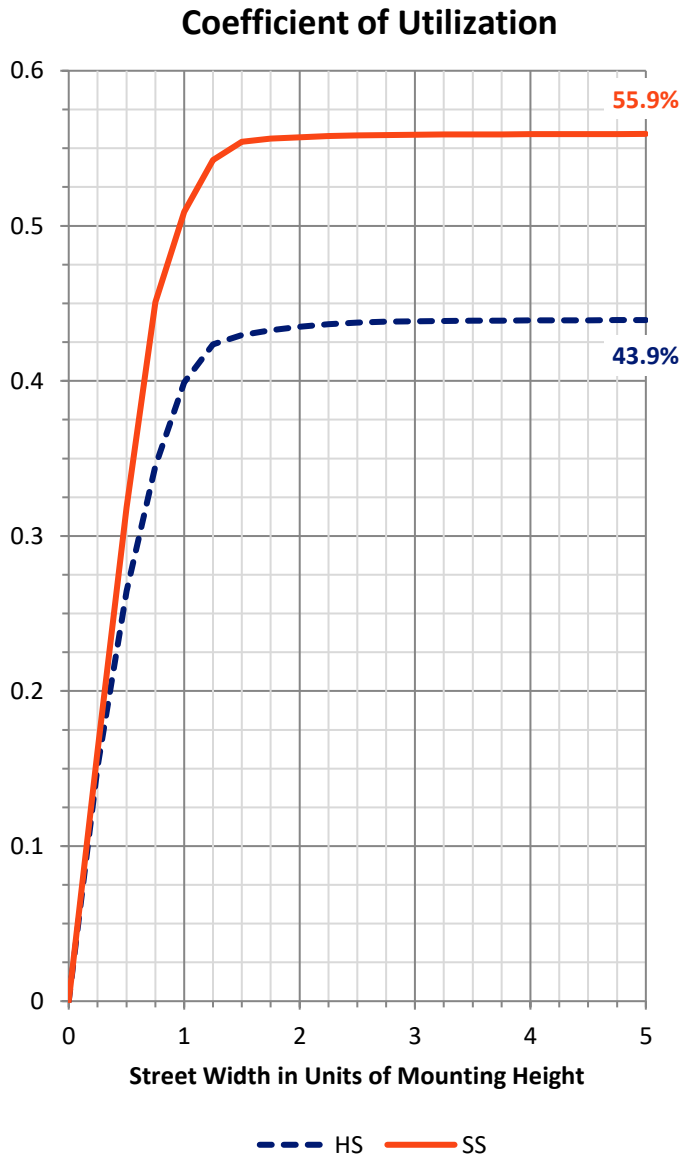
CATALOG NUMBER: NFFLD-C40-7040-66

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	9922.6	0.0	9922.6
	% Fixture	44.2	0.0	44.2
Street Side	Lumens	12512.0	0.0	12512.0
	% Fixture	55.8	0.0	55.8
Total	Lumens	22434.5	0.0	22434.5
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	895.8	4.0
10°-20°	2594.9	11.6
20°-30°	4135.2	18.4
30°-40°	5169.7	23.0
40°-50°	5073.2	22.6
50°-60°	3627.0	16.2
60°-70°	802.5	3.6
70°-80°	123.3	0.5
80°-90°	13.0	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°	22434.5	100.0
0°-180°	22434.5	100.0



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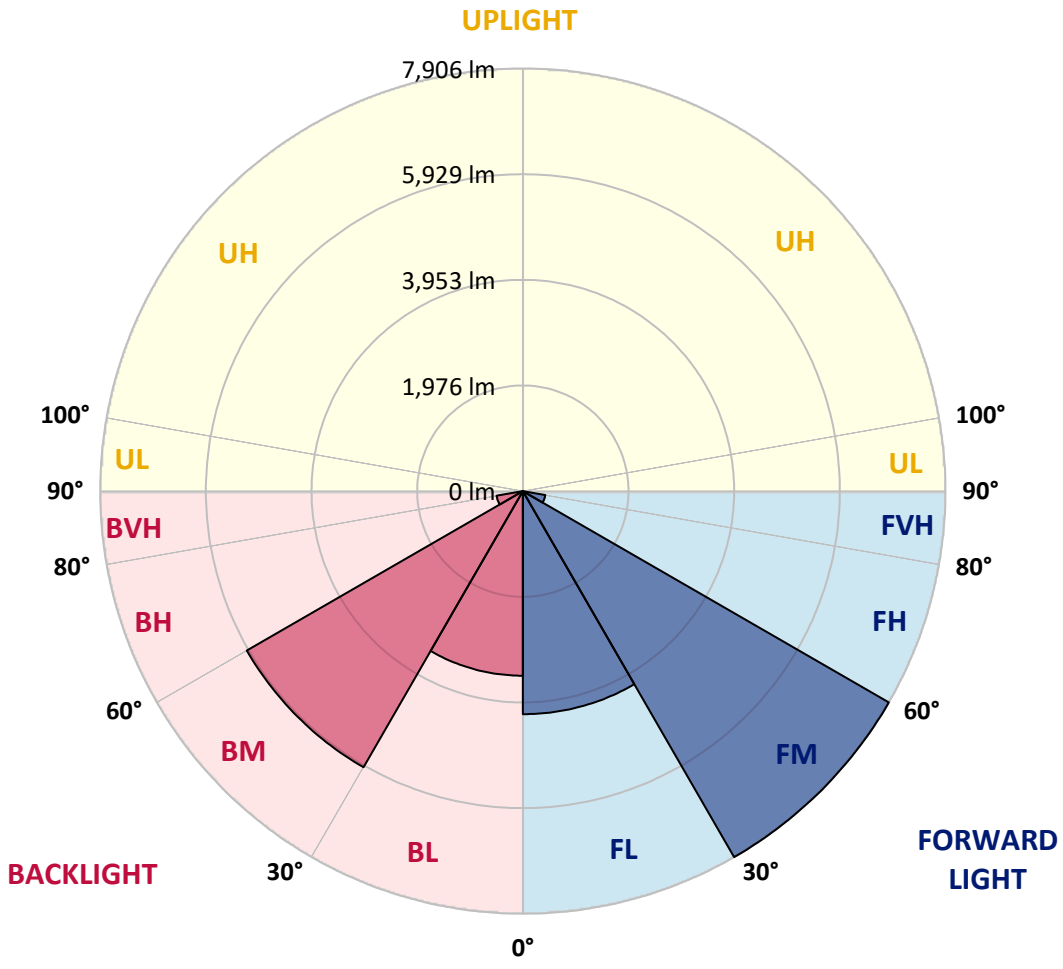
LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	4172.6	18.6			
FM	(30°-60°)	7905.9	35.2			
FH	(60°-80°)	426.8	1.9			G0/660
FVH	(80°-90°)	6.6	0.0			G0/10
BL	(0°-30°)	3453.2	15.4	B4/5000		
BM	(30°-60°)	5963.9	26.6	B4/8500		
BH	(60°-80°)	498.9	2.2	B1/500		G1/500
BVH	(80°-90°)	6.4	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-G1
Type I Short



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REPORT NUMBER: P980967
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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	9157.0	9157.0	9157.0	9157.0	9157.0	9157.0	9157.0	9157.0	9157.0	9157.0	9157.0
2.5°	9054.5	9069.2	9083.8	9105.8	9135.0	9149.7	9135.0	9120.4	9113.1	9127.7	9135.0
5°	9179.0	9200.9	9208.2	9222.9	9237.5	9222.9	9215.6	9200.9	9193.6	9200.9	9222.9
7.5°	9361.9	9376.6	9369.3	9361.9	9354.6	9303.4	9252.2	9230.2	9230.2	9252.2	9310.7
10°	9523.0	9552.3	9515.7	9486.4	9435.1	9354.6	9266.8	9215.6	9230.2	9274.1	9347.3
12.5°	9727.9	9727.9	9691.3	9662.1	9544.9	9449.8	9332.7	9252.2	9252.2	9332.7	9413.2
15°	9976.8	9954.8	9940.2	9859.7	9720.6	9566.9	9420.5	9303.4	9281.4	9405.9	9457.1
17.5°	10291.6	10211.0	10174.4	10035.4	9845.0	9647.4	9449.8	9354.6	9288.7	9420.5	9361.9
20°	10723.4	10664.9	10547.7	10328.2	9940.2	9684.0	9449.8	9325.3	9274.1	9347.3	9288.7
22.5°	11279.7	11243.1	10979.6	10701.5	10189.1	9713.3	9413.2	9244.8	9230.2	9193.6	9069.2
25°	11960.5	11865.3	11594.5	11199.2	10562.4	9998.8	9405.9	9098.4	9047.2	8952.0	8732.4
27.5°	12538.7	12436.2	12106.8	11755.5	11074.8	10423.3	9464.4	8922.8	8864.2	8798.3	8527.5
30°	12568.0	12611.9	12524.1	12260.6	11550.5	10599.0	9566.9	8871.5	8739.8	8505.5	8183.5
32.5°	11975.1	12077.6	12289.8	12385.0	11909.2	10811.3	9654.7	8893.5	8651.9	8088.3	7824.8
35°	9947.5	10152.5	11023.5	11843.3	12011.7	11118.7	9727.9	8893.5	8622.7	7788.2	7583.2
37.5°	7641.8	7810.2	8549.5	10035.4	11557.9	11309.0	9889.0	8842.2	8586.1	7810.2	7532.0
40°	6243.7	6338.9	6661.0	7671.1	9962.2	10994.2	10050.0	8900.8	8476.3	7824.8	7561.3
42.5°	5863.1	5855.8	5789.9	6163.2	7597.9	10072.0	10159.8	9047.2	8293.3	7729.6	7510.1
45°	5606.9	5592.3	5533.7	5606.9	6009.5	8242.0	10079.3	9310.7	8066.4	7392.9	7246.5
47.5°	5328.8	5336.1	5314.1	5343.4	5270.2	6258.4	9625.5	9420.5	7678.4	6829.3	6778.1
50°	4662.7	4772.5	5065.3	5094.5	4904.2	5050.6	8242.0	9369.3	7400.3	6668.3	6624.4
52.5°	2898.6	3074.3	3938.0	4670.0	4560.2	4560.2	6287.7	9442.5	6902.5	6609.7	6639.0
55°	1024.8	1156.5	2108.1	3213.4	4084.4	4164.9	4970.1	8403.1	6844.0	6712.2	6741.5
57.5°	256.2	314.7	644.1	1390.8	2752.2	3777.0	4443.1	6939.1	5197.0	5014.0	5087.2
60°	300.1	292.8	402.6	446.5	1068.7	2986.5	4003.9	4684.6	3352.4	3140.2	3176.8
62.5°	322.1	300.1	314.7	395.3	175.7	1463.9	3191.4	2788.8	1383.4	1024.8	1083.3
65°	285.5	270.8	248.9	366.0	124.4	270.8	1881.2	819.8	197.6	314.7	285.5
67.5°	190.3	197.6	205.0	292.8	117.1	117.1	248.9	205.0	139.1	285.5	248.9
70°	109.8	117.1	139.1	175.7	117.1	95.2	109.8	168.4	117.1	285.5	248.9
72.5°	65.9	65.9	65.9	73.2	117.1	80.5	73.2	139.1	102.5	263.5	248.9
75°	51.2	51.2	51.2	43.9	102.5	51.2	51.2	109.8	87.8	190.3	190.3
77.5°	43.9	43.9	43.9	36.6	58.6	43.9	43.9	80.5	80.5	95.2	109.8
80°	29.3	29.3	29.3	29.3	36.6	36.6	29.3	43.9	36.6	43.9	51.2
82.5°	14.6	22.0	22.0	14.6	22.0	22.0	22.0	29.3	22.0	29.3	29.3
85°	7.3	7.3	7.3	7.3	7.3	7.3	7.3	14.6	7.3	7.3	14.6
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: P980967
CATALOG NUMBER: NFFLD-C40-7040-66

CANDELA DISTRIBUTION (continued):

	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	9157.0	9157.0	9157.0	9157.0	9157.0	9157.0	9157.0	9157.0	9157.0	9157.0
2.5°	9149.7	9186.3	9237.5	9318.0	9347.3	9398.5	9442.5	9479.1	9479.1	9464.4
5°	9266.8	9369.3	9508.3	9632.8	9676.7	9727.9	9749.9	9786.5	9779.2	9771.9
7.5°	9369.3	9530.3	9676.7	9764.5	9749.9	9684.0	9640.1	9581.5	9559.6	9574.2
10°	9449.8	9596.2	9662.1	9603.5	9427.8	9274.1	9076.5	8944.7	8878.8	8900.8
12.5°	9479.1	9530.3	9471.7	9149.7	8930.1	8783.7	8622.7	8534.8	8498.2	8505.5
15°	9486.4	9369.3	9047.2	8805.6	8644.6	8461.6	8329.9	8249.3	8249.3	8256.7
17.5°	9332.7	9047.2	8769.0	8586.1	8359.1	8168.8	8095.6	8066.4	7883.4	7912.6
20°	9193.6	8783.7	8630.0	8344.5	8073.7	7949.2	7524.7	7480.8	7488.1	7495.4
22.5°	8900.8	8593.4	8454.3	8081.0	7773.6	7429.5	7371.0	7327.1	7334.4	7334.4
25°	8498.2	8322.5	8132.2	7744.3	7371.0	7305.1	7261.2	7202.6	7173.3	7180.7
27.5°	8271.3	8051.7	7700.4	7371.0	7129.4	7158.7	7107.5	7019.6	7019.6	7026.9
30°	*7985.8*	*7773.6*	*7305.1*	*6917.2*	*6939.1*	*6983.0*	*6858.6*	*6814.7*	*6792.7*	*6792.7*
32.5°	7634.5	7341.7	6931.8	6565.8	6697.6	6682.9	6529.2	6543.8	6558.5	6543.8
35°	7371.0	6990.4	6646.3	6448.7	6397.5	6338.9	6258.4	6309.6	6331.6	6316.9
37.5°	7305.1	6851.3	6492.6	6353.5	6155.9	6046.1	6068.1	6119.3	6148.6	6141.3
40°	7283.1	6712.2	6360.9	6214.5	5950.9	5855.8	5885.1	5987.5	6024.1	6016.8
42.5°	7253.9	6617.0	6280.3	6104.7	5738.7	5672.8	5811.9	5907.0	5914.3	5907.0
45°	7100.1	6514.6	6229.1	5877.8	5416.6	5497.1	5672.8	5724.0	5636.2	5599.6
47.5°	6741.5	6324.3	6075.4	5599.6	5153.1	5306.8	5328.8	4772.5	4450.4	4377.2
50°	6639.0	6331.6	5899.7	5270.2	4992.1	5145.8	4186.9	3198.7	2796.1	2715.6
52.5°	6609.7	6258.4	5965.6	4926.2	4933.5	4340.6	2642.4	1566.4	1259.0	1200.4
55°	6682.9	6580.4	6075.4	4721.2	4589.5	2825.4	1229.7	739.3	761.3	739.3
57.5°	5043.3	5504.4	6207.1	4399.2	3352.4	1361.5	775.9	717.3	666.1	651.5
60°	3147.5	3586.7	4545.6	3784.3	1720.1	812.5	790.5	666.1	644.1	636.8
62.5°	1039.4	1595.7	2605.8	2488.7	475.8	805.2	797.9	592.9	592.9	592.9
65°	263.5	270.8	717.3	856.4	351.3	717.3	761.3	556.3	541.7	563.6
67.5°	226.9	205.0	380.6	336.7	292.8	497.7	666.1	534.3	505.1	505.1
70°	226.9	241.6	373.3	314.7	183.0	270.8	483.1	329.4	292.8	270.8
72.5°	212.3	234.2	329.4	285.5	124.4	131.8	212.3	109.8	102.5	87.8
75°	183.0	190.3	256.2	256.2	131.8	65.9	87.8	73.2	73.2	65.9
77.5°	124.4	95.2	146.4	183.0	95.2	43.9	36.6	36.6	36.6	29.3
80°	65.9	36.6	36.6	29.3	36.6	36.6	22.0	29.3	29.3	22.0
82.5°	36.6	22.0	22.0	14.6	14.6	22.0	14.6	14.6	14.6	14.6
85°	14.6	14.6	7.3	7.3	7.3	14.6	7.3	7.3	7.3	7.3
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.3	7.3
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: SP1-2501-319-11

Test Date: 02/05/2025

Luminaire Tested: NFFLD-C55-7050-66

Data in this report applies to families of products including NFFLD-C55-7050-66

Report Generated By FNC07603 / LDUCLS01DT446
Version: v7.04

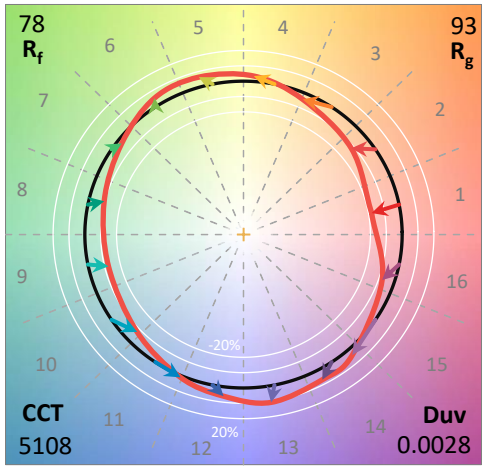
Test Information

Test Method:	LM-79-2019
Report Number:	SP1-2501-319-11
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-C55-7050-66**
Description:	LUMARK NIGHT FALCON 16900LM NEMA 6

Spectral Parameters

CCT (K):	5108	CRI (Ra):	75.3		
CIE u':	0.2083	R1:	71.3	R9:	-33.6
CIE v':	0.4860	R2:	82.0	R10:	58.1
Duv:	0.0028	R3:	90.0	R11:	71.9
CIE x:	0.3426	R4:	74.3	R12:	56.4
CIE y:	0.3552	R5:	73.5	R13:	73.5
CIE z:	0.3022	R6:	75.6	R14:	94.6
Peak Wavelength (nm):	449	R7:	81.5	R15:	63.4
Dominant Wavelength (nm):	568	R8:	54.1		
Purity:	9.36717				

Rf:	77.8
Rg:	93.2



Test Conditions

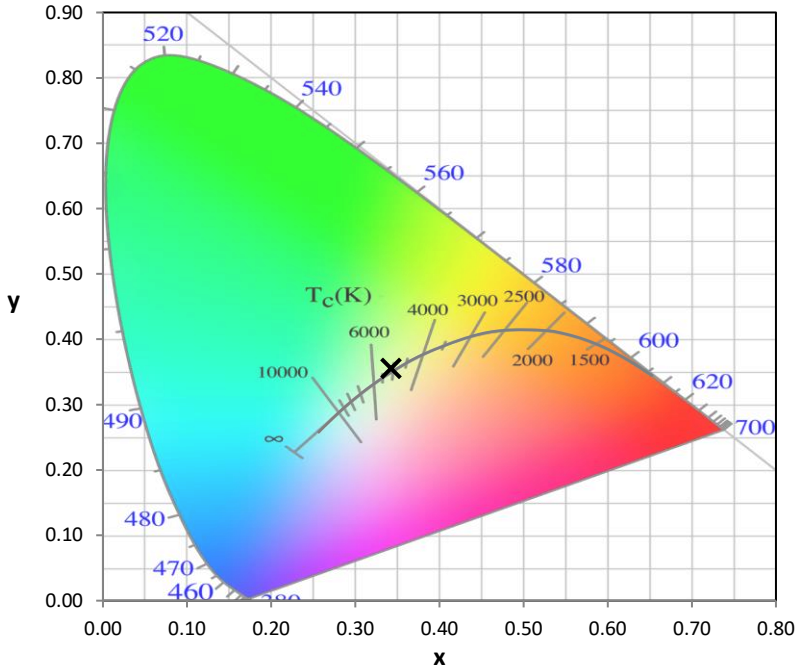
Stabilization Time:	48M
Operation Time:	1H 48M
Sphere Temperature (°C):	25.0

REPORT NUMBER: SP1-2501-319-11

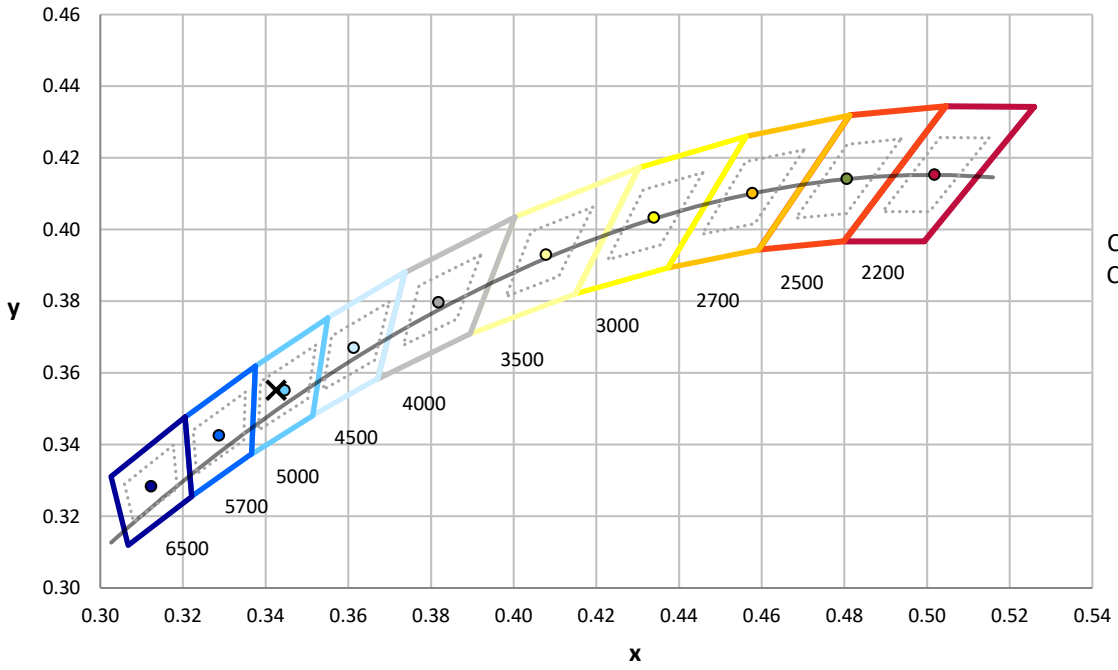
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	12/16/2024	6/16/2025
Power Meter	INXT2011004	1/212025	1/21/2026
AC Power Source	IN0063	10/22/2024	10/22/2025
DC Power Source	IN0208	10/22/2024	10/22/2025
Sphere Thermometer	IN0085	10/22/2024	10/22/2025
Room Thermometer	IN0046	10/22/2024	10/22/2025

REPORT NUMBER: SP1-2501-319-11

CIE 1931 Chromaticity Diagram



CIE 1931 Chromaticity Diagram with 2017 ANSI 7-Step and 4-Step Quadrangles

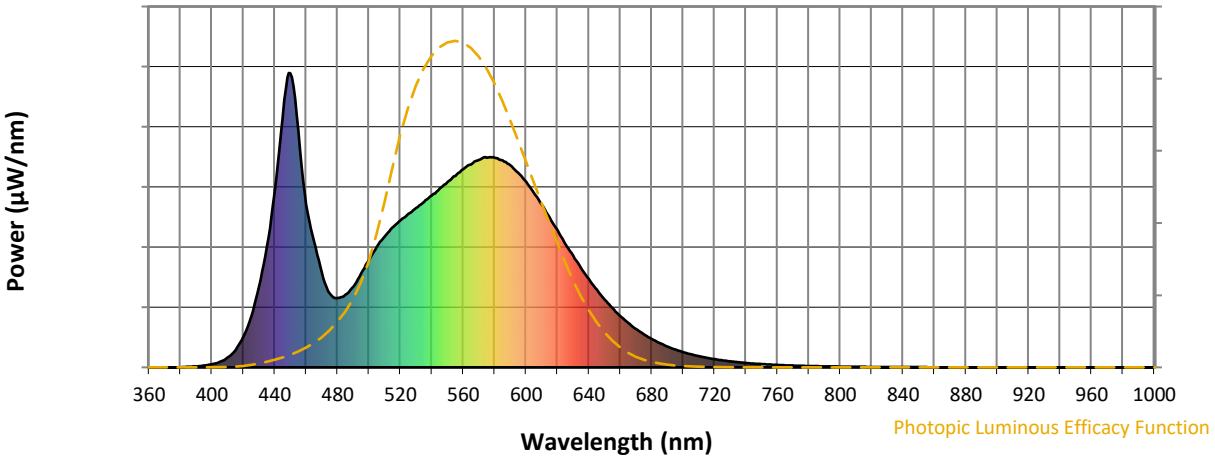


CCT = 5108K
CIE x = 0.3426
CIE y = 0.3552
Duv = 0.0028

Point lies inside the ANSI 5000K 4-step quadrangle

REPORT NUMBER: SP1-2501-319-11

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	274	NR	620	466	NR	750	11	NR	880	0	NR
365	0	NR	495	319	NR	625	420	NR	755	10	NR	885	0	NR
370	0	NR	500	366	NR	630	380	NR	760	8	NR	890	0	NR
375	0	NR	505	409	NR	635	338	NR	765	7	NR	895	0	NR
380	0	NR	510	445	NR	640	300	NR	770	6	NR	900	0	NR
385	2	NR	515	475	NR	645	264	NR	775	5	NR	905	0	NR
390	4	NR	520	499	NR	650	230	NR	780	5	NR	910	0	NR
395	6	NR	525	520	NR	655	201	NR	785	4	NR	915	0	NR
400	10	NR	530	542	NR	660	174	NR	790	3	NR	920	0	NR
405	18	NR	535	562	NR	665	151	NR	795	3	NR	925	0	NR
410	33	NR	540	584	NR	670	131	NR	800	3	NR	930	0	NR
415	59	NR	545	607	NR	675	112	NR	805	2	NR	935	0	NR
420	103	NR	550	629	NR	680	97	NR	810	2	NR	940	0	NR
425	173	NR	555	650	NR	685	83	NR	815	2	NR	945	0	NR
430	274	NR	560	673	NR	690	71	NR	820	2	NR	950	0	NR
435	412	NR	565	690	NR	695	61	NR	825	1	NR	955	0	NR
440	595	NR	570	705	NR	700	52	NR	830	1	NR	960	0	NR
445	849	NR	575	712	NR	705	44	NR	835	1	NR	965	0	NR
450	999	NR	580	713	NR	710	38	NR	840	1	NR	970	0	NR
455	805	NR	585	703	NR	715	33	NR	845	1	NR	975	0	NR
460	555	NR	590	686	NR	720	28	NR	850	1	NR	980	0	NR
465	428	NR	595	661	NR	725	24	NR	855	1	NR	985	0	NR
470	319	NR	600	630	NR	730	20	NR	860	1	NR	990	0	NR
475	251	NR	605	593	NR	735	18	NR	865	1	NR	995	0	NR
480	236	NR	610	552	NR	740	15	NR	870	0	NR	1000	0	NR
485	247	NR	615	510	NR	745	13	NR	875	0	NR			

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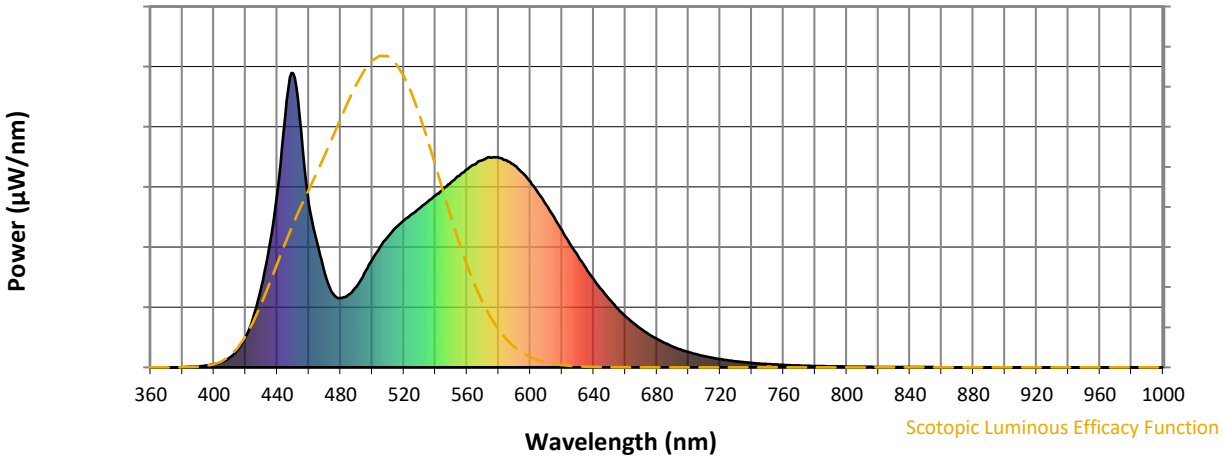
Scotopic Flux vs. Wavelength



Scotopic Lumens: NR **S/P: 1.89**

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	274	NR	620	466	NR	750	11	NR	880	0	NR
365	0	NR	495	319	NR	625	420	NR	755	10	NR	885	0	NR
370	0	NR	500	366	NR	630	380	NR	760	8	NR	890	0	NR
375	0	NR	505	409	NR	635	338	NR	765	7	NR	895	0	NR
380	0	NR	510	445	NR	640	300	NR	770	6	NR	900	0	NR
385	2	NR	515	475	NR	645	264	NR	775	5	NR	905	0	NR
390	4	NR	520	499	NR	650	230	NR	780	5	NR	910	0	NR
395	6	NR	525	520	NR	655	201	NR	785	4	NR	915	0	NR
400	10	NR	530	542	NR	660	174	NR	790	3	NR	920	0	NR
405	18	NR	535	562	NR	665	151	NR	795	3	NR	925	0	NR
410	33	NR	540	584	NR	670	131	NR	800	3	NR	930	0	NR
415	59	NR	545	607	NR	675	112	NR	805	2	NR	935	0	NR
420	103	NR	550	629	NR	680	97	NR	810	2	NR	940	0	NR
425	173	NR	555	650	NR	685	83	NR	815	2	NR	945	0	NR
430	274	NR	560	673	NR	690	71	NR	820	2	NR	950	0	NR
435	412	NR	565	690	NR	695	61	NR	825	1	NR	955	0	NR
440	595	NR	570	705	NR	700	52	NR	830	1	NR	960	0	NR
445	849	NR	575	712	NR	705	44	NR	835	1	NR	965	0	NR
450	999	NR	580	713	NR	710	38	NR	840	1	NR	970	0	NR
455	805	NR	585	703	NR	715	33	NR	845	1	NR	975	0	NR
460	555	NR	590	686	NR	720	28	NR	850	1	NR	980	0	NR
465	428	NR	595	661	NR	725	24	NR	855	1	NR	985	0	NR
470	319	NR	600	630	NR	730	20	NR	860	1	NR	990	0	NR
475	251	NR	605	593	NR	735	18	NR	865	1	NR	995	0	NR
480	236	NR	610	552	NR	740	15	NR	870	0	NR	1000	0	NR
485	247	NR	615	510	NR	745	13	NR	875	0	NR			

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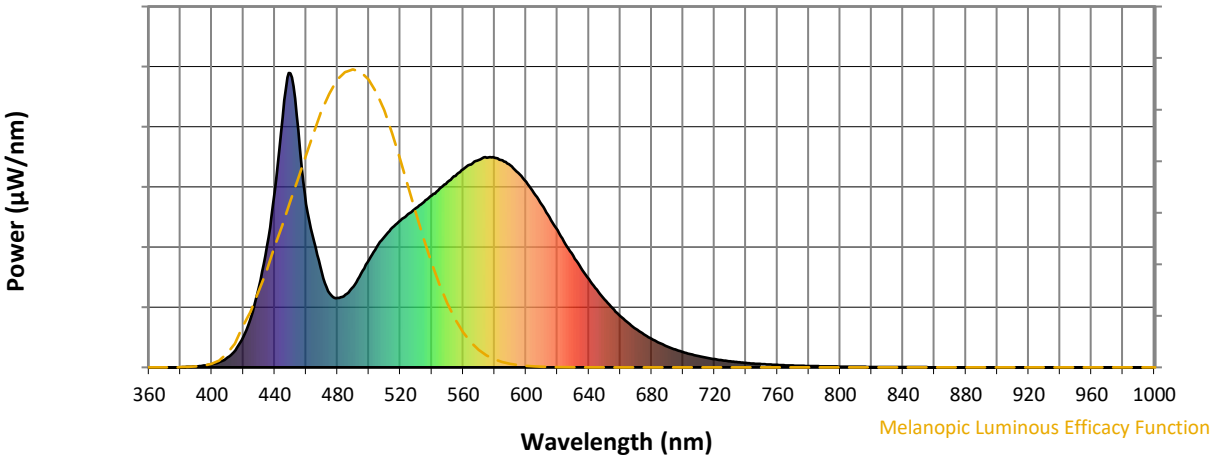
Melanopic Flux vs. Wavelength



Melanopic Lumens: NR **M/P: 3.96**

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	274	NR	620	466	NR	750	11	NR	880	0	NR
365	0	NR	495	319	NR	625	420	NR	755	10	NR	885	0	NR
370	0	NR	500	366	NR	630	380	NR	760	8	NR	890	0	NR
375	0	NR	505	409	NR	635	338	NR	765	7	NR	895	0	NR
380	0	NR	510	445	NR	640	300	NR	770	6	NR	900	0	NR
385	2	NR	515	475	NR	645	264	NR	775	5	NR	905	0	NR
390	4	NR	520	499	NR	650	230	NR	780	5	NR	910	0	NR
395	6	NR	525	520	NR	655	201	NR	785	4	NR	915	0	NR
400	10	NR	530	542	NR	660	174	NR	790	3	NR	920	0	NR
405	18	NR	535	562	NR	665	151	NR	795	3	NR	925	0	NR
410	33	NR	540	584	NR	670	131	NR	800	3	NR	930	0	NR
415	59	NR	545	607	NR	675	112	NR	805	2	NR	935	0	NR
420	103	NR	550	629	NR	680	97	NR	810	2	NR	940	0	NR
425	173	NR	555	650	NR	685	83	NR	815	2	NR	945	0	NR
430	274	NR	560	673	NR	690	71	NR	820	2	NR	950	0	NR
435	412	NR	565	690	NR	695	61	NR	825	1	NR	955	0	NR
440	595	NR	570	705	NR	700	52	NR	830	1	NR	960	0	NR
445	849	NR	575	712	NR	705	44	NR	835	1	NR	965	0	NR
450	999	NR	580	713	NR	710	38	NR	840	1	NR	970	0	NR
455	805	NR	585	703	NR	715	33	NR	845	1	NR	975	0	NR
460	555	NR	590	686	NR	720	28	NR	850	1	NR	980	0	NR
465	428	NR	595	661	NR	725	24	NR	855	1	NR	985	0	NR
470	319	NR	600	630	NR	730	20	NR	860	1	NR	990	0	NR
475	251	NR	605	593	NR	735	18	NR	865	1	NR	995	0	NR
480	236	NR	610	552	NR	740	15	NR	870	0	NR	1000	0	NR
485	247	NR	615	510	NR	745	13	NR	875	0	NR			

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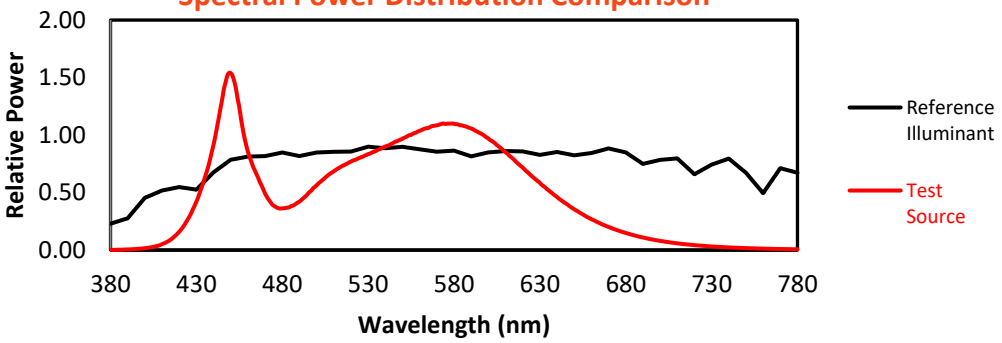
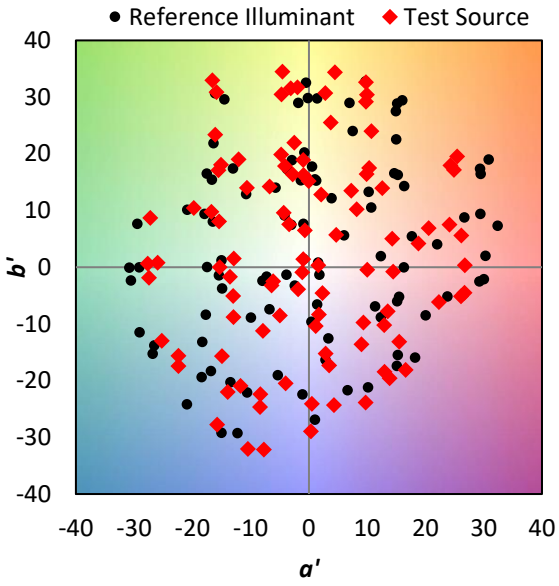
Summary

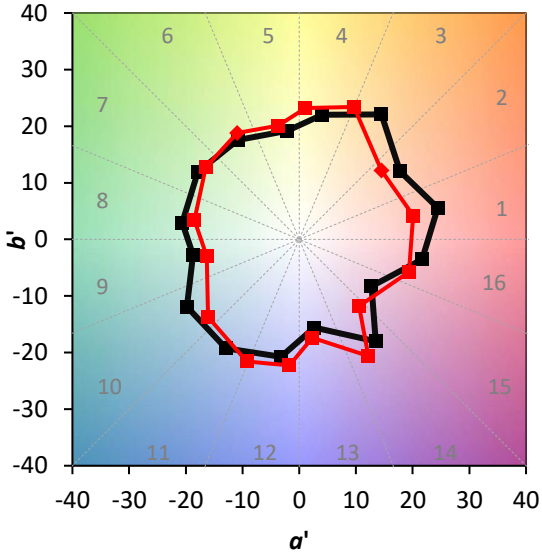
R_f = 77.8
R_g = 93.2
CIE R_a = 75.3
R_9 = -33.6

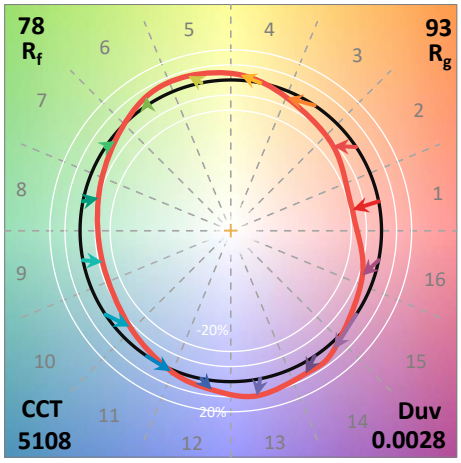
Spectral Power Distribution Comparison

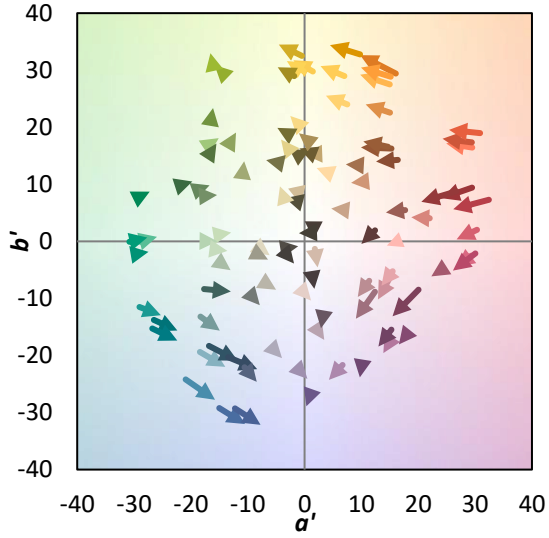


Color Vector Graphics









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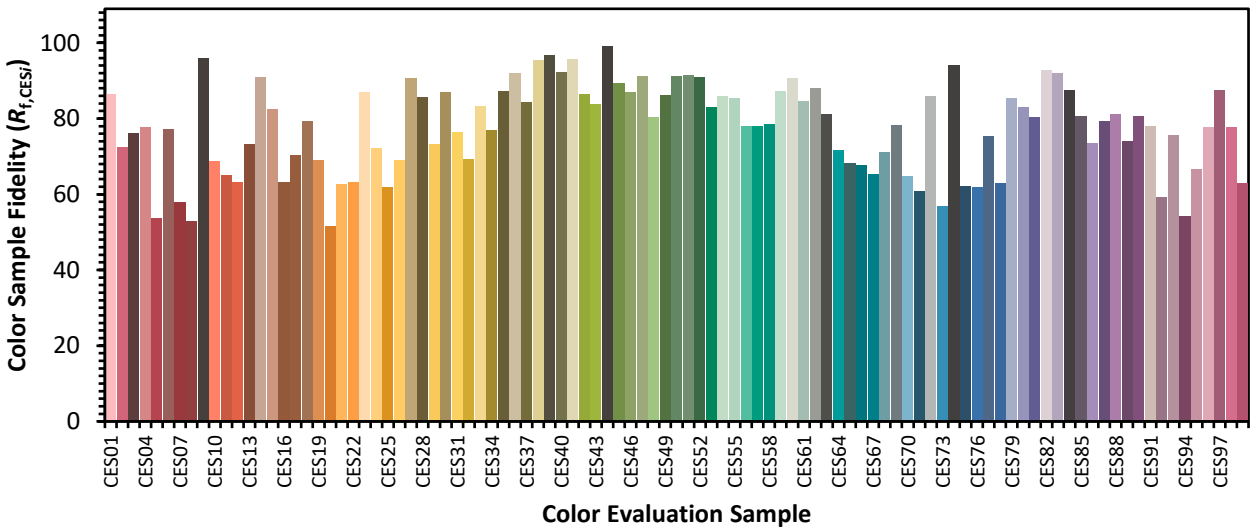
Individual Sample Fidelity Index ($R_{f,i}$)

CES01 = 85	CES26 = 69	CES51 = 92	CES76 = 62
CES02 = 60	CES27 = 91	CES52 = 91	CES77 = 75
CES03 = 30	CES28 = 86	CES53 = 83	CES78 = 63
CES04 = 69	CES29 = 73	CES54 = 86	CES79 = 85
CES05 = 46	CES30 = 87	CES55 = 85	CES80 = 83
CES06 = 50	CES31 = 76	CES56 = 78	CES81 = 80
CES07 = 39	CES32 = 69	CES57 = 78	CES82 = 93
CES08 = 38	CES33 = 83	CES58 = 78	CES83 = 92
CES09 = 29	CES34 = 77	CES59 = 87	CES84 = 88
CES10 = 73	CES35 = 87	CES60 = 91	CES85 = 81
CES11 = 56	CES36 = 92	CES61 = 85	CES86 = 74
CES12 = 61	CES37 = 84	CES62 = 88	CES87 = 79
CES13 = 41	CES38 = 95	CES63 = 81	CES88 = 81
CES14 = 74	CES39 = 97	CES64 = 72	CES89 = 74
CES15 = 70	CES40 = 92	CES65 = 68	CES90 = 81
CES16 = 46	CES41 = 96	CES66 = 68	CES91 = 78
CES17 = 49	CES42 = 87	CES67 = 65	CES92 = 59
CES18 = 55	CES43 = 84	CES68 = 71	CES93 = 76
CES19 = 71	CES44 = 99	CES69 = 78	CES94 = 54
CES20 = 64	CES45 = 89	CES70 = 65	CES95 = 67
CES21 = 85	CES46 = 87	CES71 = 61	CES96 = 78
CES22 = 77	CES47 = 91	CES72 = 86	CES97 = 88
CES23 = 91	CES48 = 80	CES73 = 57	CES98 = 78
CES24 = 90	CES49 = 86	CES74 = 94	CES99 = 63
CES25 = 71	CES50 = 91	CES75 = 62	



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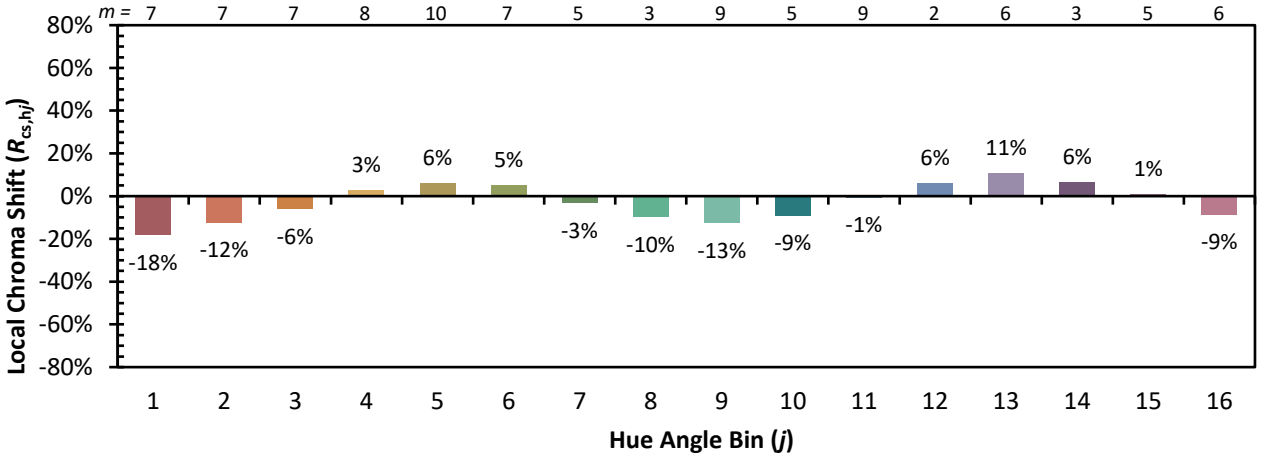
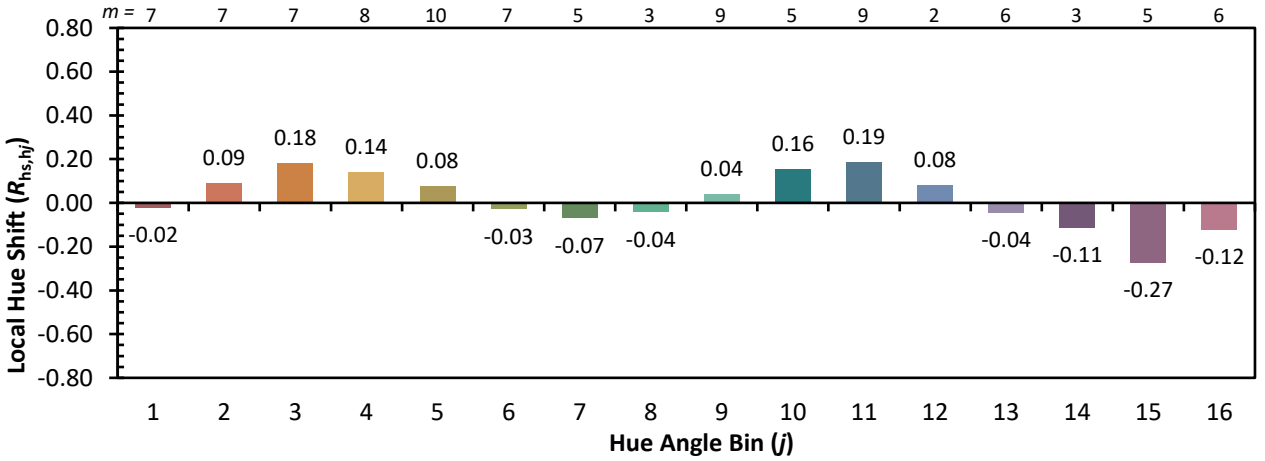
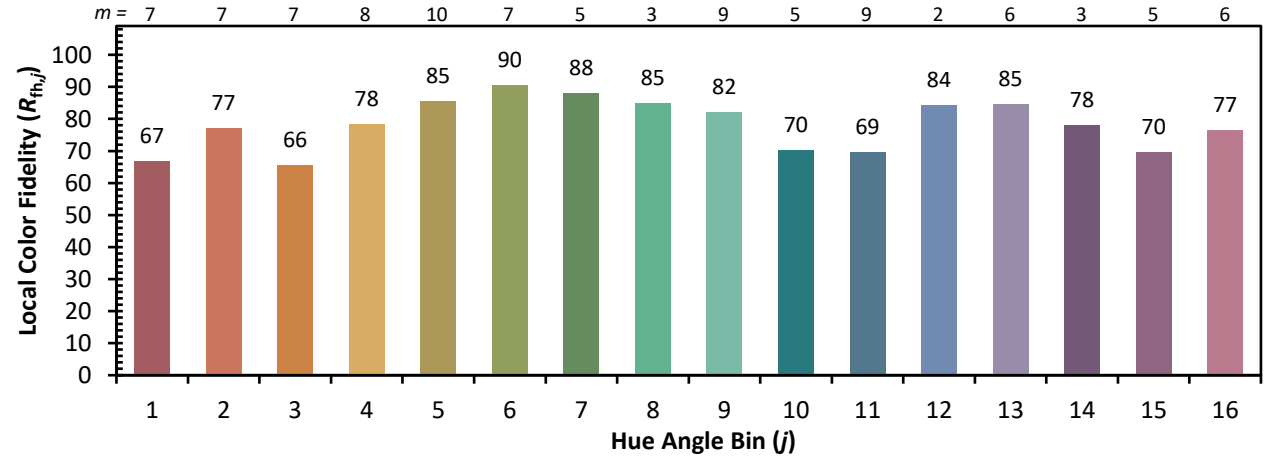
Color Rendition by Hue-Angle Bin







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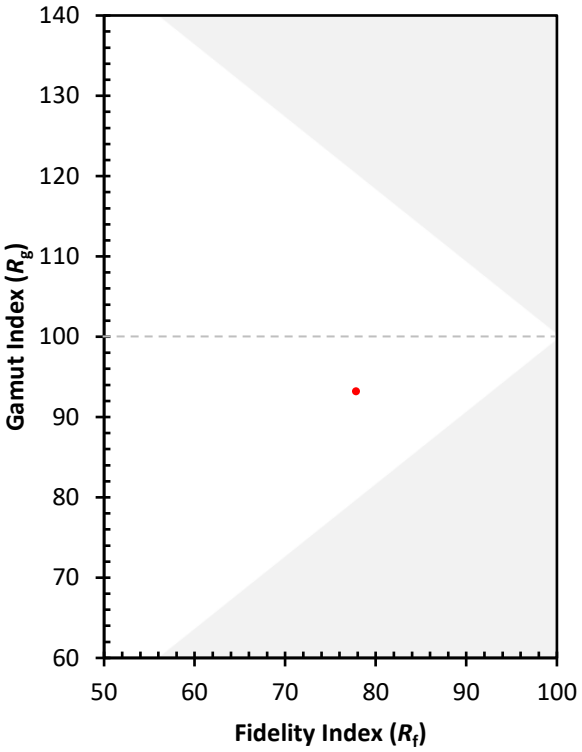
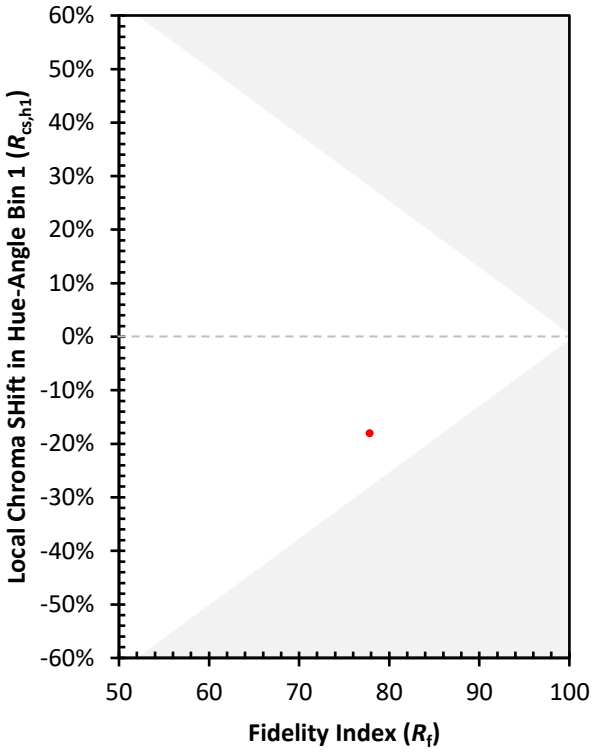
Measure Comparisons





(END OF REPORT)