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: P980971

Luminaire Tested: **NFFLD-L-C100-7040-66**

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:	P980971
Test Lab:	INNOVATION CENTER(G2)
Issue Date:	04/10/2025
Manufacturer:	COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line:	LUMARK
Catalog Number:	NFFLD-L-C100-7040-66
Description:	LUMARK NIGHT FALCON LARGE SIZE 250W 70CRI 4000K LED FIXTURE NEMA 6
Light Source:	(4) 4000K CCT, 70 CRI LEDS
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	41915.1 lumens
Efficiency:	N/A
Efficacy:	165.7 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):	253
Input Voltage (V):	120
Input Current (Ain):	NR
Voltage Rise (V):	NR
Power Factor:	0.99
Total Harmonic Distortion (THDi):	3.35%
Frequency (hertz):	60
Stabilization Time:	NR
Operation Time:	NR
Ambient Temperature (°C):	NR
Test Distance:	28.75 FT

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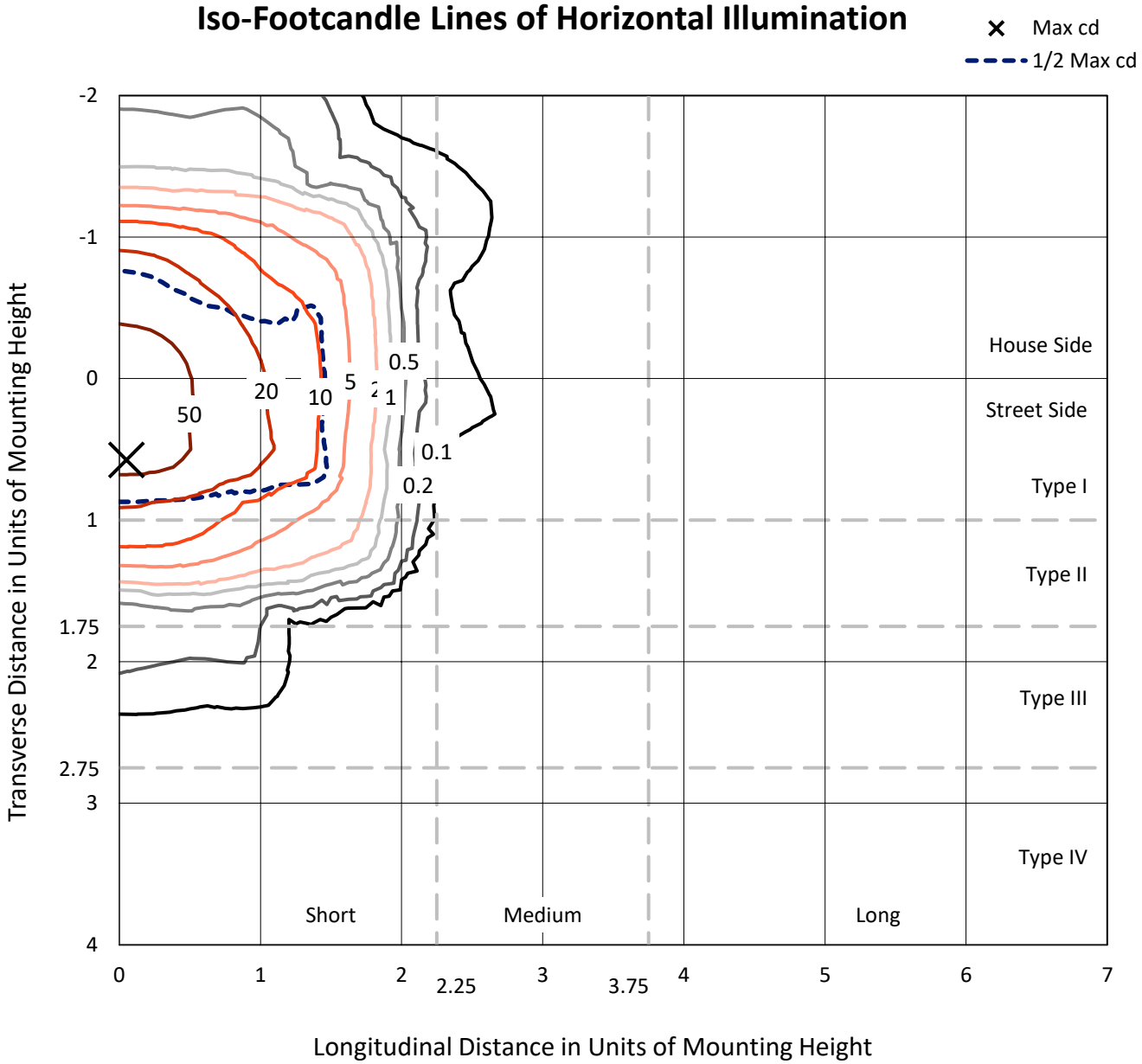
REPORT NUMBER: P980971
CATALOG NUMBER: NFFLD-L-C100-7040-66

Iso-Footcandle Lines of Horizontal Illumination



Based on 15 foot mounting height. Maximum calculated value = 77.9 fc
Type I - Short - N/A

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REPORT NUMBER: P980971
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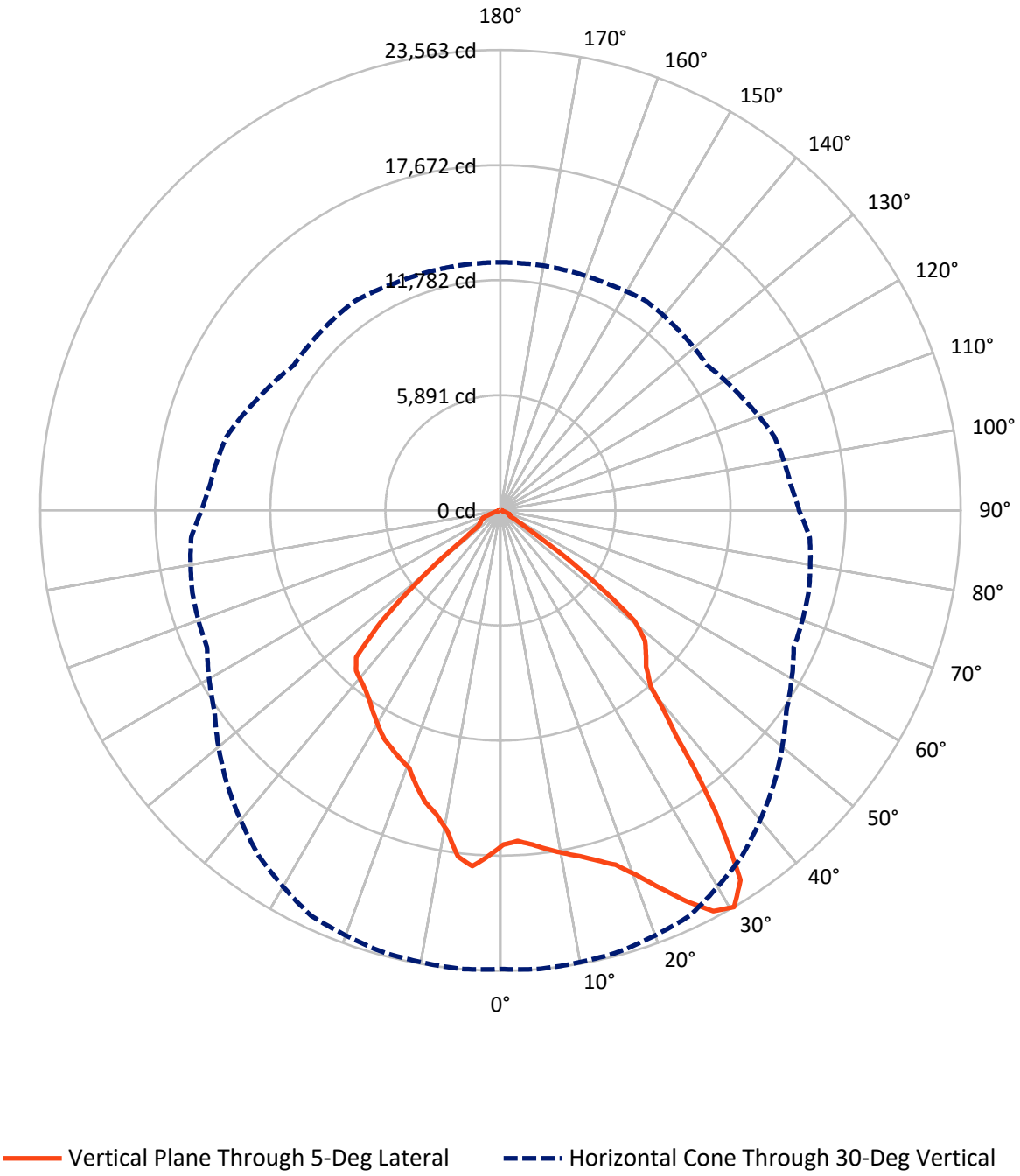
Luminous Intensity Polar Plot



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REPORT NUMBER: P980971
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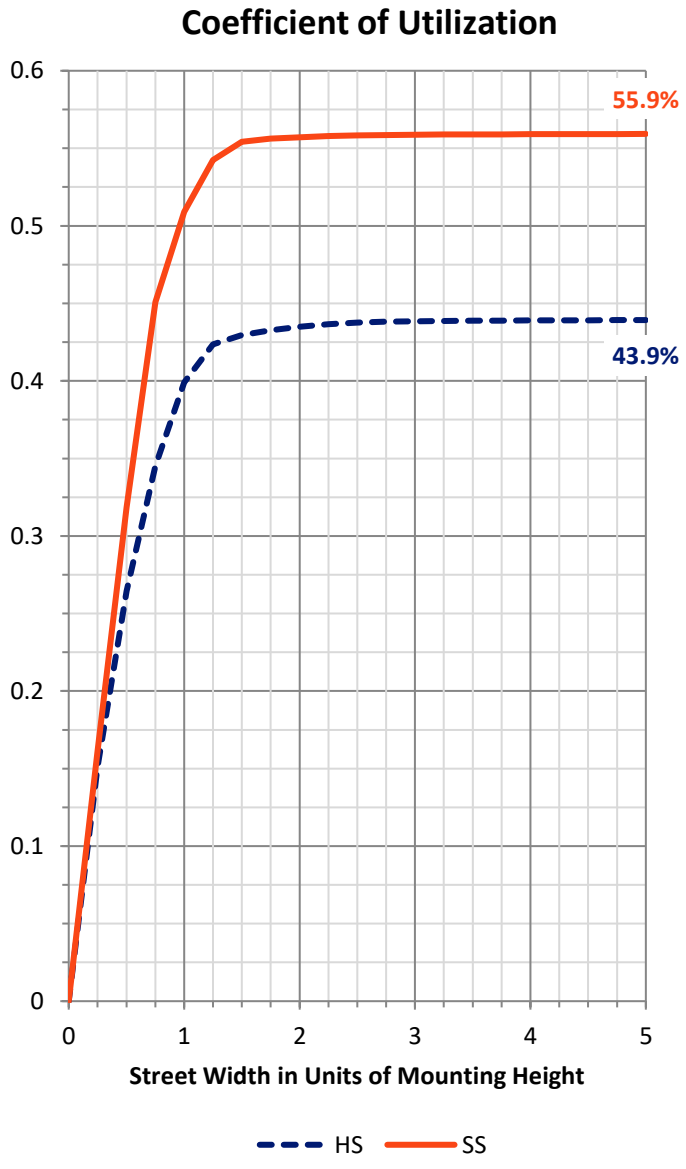
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	18538.6	0.0	18538.6
	% Fixture	44.2	0.0	44.2
Street Side	Lumens	23376.5	0.0	23376.5
	% Fixture	55.8	0.0	55.8
Total	Lumens	41915.1	0.0	41915.1
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1673.6	4.0
10°-20°	4848.1	11.6
20°-30°	7725.9	18.4
30°-40°	9658.6	23.0
40°-50°	9478.4	22.6
50°-60°	6776.5	16.2
60°-70°	1499.3	3.6
70°-80°	230.3	0.5
80°-90°	24.4	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°	41915.1	100.0
0°-180°	41915.1	100.0



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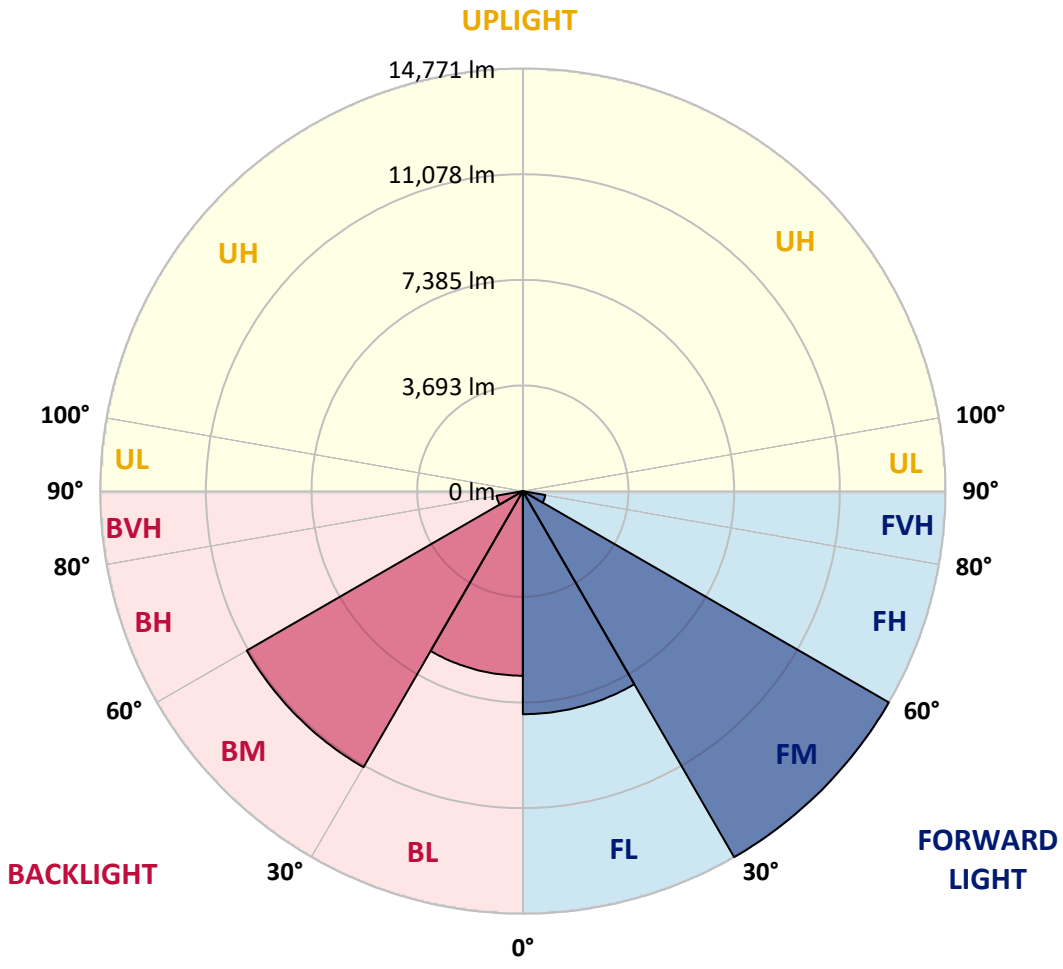
REPORT NUMBER: P980971
CATALOG NUMBER: NFFLD-L-C100-7040-66

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	7795.8	18.6			
FM	(30°-60°)	14770.9	35.2			
FH	(60°-80°)	797.5	1.9			G1/1800
FVH	(80°-90°)	12.3	0.0			G1/100
BL	(0°-30°)	6451.8	15.4	B5		
BM	(30°-60°)	11142.6	26.6	B5		
BH	(60°-80°)	932.2	2.2	B2/1000		G2/1000
BVH	(80°-90°)	12.1	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: P980971
CATALOG NUMBER: NFFLD-L-C100-7040-66

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	17108.3	17108.3	17108.3	17108.3	17108.3	17108.3	17108.3	17108.3	17108.3	17108.3	17108.3
2.5°	16916.8	16944.2	16971.5	17012.6	17067.3	17094.6	17067.3	17039.9	17026.2	17053.6	17067.3
5°	17149.3	17190.3	17204.0	17231.4	17258.7	17231.4	17217.7	17190.3	17176.7	17190.3	17231.4
7.5°	17491.2	17518.6	17504.9	17491.2	17477.5	17381.8	17286.1	17245.0	17245.0	17286.1	17395.5
10°	17792.1	17846.8	17778.4	17723.7	17628.0	17477.5	17313.4	17217.7	17245.0	17327.1	17463.9
12.5°	18175.0	18175.0	18106.6	18051.9	17833.1	17655.3	17436.5	17286.1	17286.1	17436.5	17586.9
15°	18640.0	18598.9	18571.6	18421.2	18161.3	17874.1	17600.6	17381.8	17340.8	17573.3	17669.0
17.5°	19228.0	19077.6	19009.2	18749.4	18393.8	18024.6	17655.3	17477.5	17354.5	17600.6	17491.2
20°	20034.9	19925.5	19706.7	19296.4	18571.6	18092.9	17655.3	17422.8	17327.1	17463.9	17354.5
22.5°	21074.2	21005.9	20513.5	19993.9	19036.6	18147.6	17586.9	17272.4	17245.0	17176.7	16944.2
25°	22346.1	22168.3	21662.3	20923.8	19734.0	18681.0	17573.3	16998.9	16903.2	16725.4	16315.1
27.5°	23426.5	23235.0	22619.6	21963.2	20691.3	19474.2	17682.7	16670.7	16561.3	16438.2	15932.2
30°	23481.2	23563.2	23399.1	22906.8	21580.2	19802.4	17874.1	16574.9	16328.8	15891.2	15289.4
32.5°	22373.4	22564.9	22961.5	23139.3	22250.4	20199.0	18038.2	16616.0	16164.7	15111.6	14619.3
35°	18585.3	18968.2	20595.6	22127.3	22441.8	20773.4	18175.0	16616.0	16110.0	14550.9	14168.0
37.5°	14277.4	14592.0	15973.2	18749.4	21593.9	21128.9	18475.9	16520.2	16041.6	14592.0	14072.3
40°	11665.4	11843.2	12444.9	14332.1	18612.6	20540.9	18776.7	16629.6	15836.5	14619.3	14127.0
42.5°	10954.2	10940.6	10817.5	11514.9	14195.4	18817.8	18981.9	16903.2	15494.6	14441.5	14031.3
45°	10475.6	10448.2	10338.8	10475.6	11227.7	15398.8	18831.4	17395.5	15070.6	13812.5	13538.9
47.5°	9955.9	9969.6	9928.6	9983.3	9846.5	11692.7	17983.5	17600.6	14345.8	12759.4	12663.7
50°	8711.4	8916.6	9463.6	9518.3	9162.7	9436.2	15398.8	17504.9	13826.1	12458.6	12376.5
52.5°	5415.6	5743.8	7357.5	8725.1	8520.0	8520.0	11747.4	17641.6	12896.2	12349.2	12403.9
55°	1914.6	2160.8	3938.6	6003.6	7631.0	7781.5	9285.8	15699.7	12786.8	12540.6	12595.3
57.5°	478.6	588.1	1203.5	2598.4	5142.1	7056.7	8301.1	12964.6	9709.7	9367.8	9504.6
60°	560.7	547.0	752.2	834.2	1996.7	5579.7	7480.6	8752.4	6263.5	5866.9	5935.3
62.5°	601.7	560.7	588.1	738.5	328.2	2735.1	5962.6	5210.4	2584.7	1914.6	2024.0
65°	533.4	506.0	465.0	683.8	232.5	506.0	3514.7	1531.7	369.2	588.1	533.4
67.5°	355.6	369.2	382.9	547.0	218.8	218.8	465.0	382.9	259.8	533.4	465.0
70°	205.1	218.8	259.8	328.2	218.8	177.8	205.1	314.5	218.8	533.4	465.0
72.5°	123.1	123.1	123.1	136.8	218.8	150.4	136.8	259.8	191.5	492.3	465.0
75°	95.7	95.7	95.7	82.1	191.5	95.7	95.7	205.1	164.1	355.6	355.6
77.5°	82.1	82.1	82.1	68.4	109.4	82.1	82.1	150.4	150.4	177.8	205.1
80°	54.7	54.7	54.7	54.7	68.4	68.4	54.7	82.1	68.4	82.1	95.7
82.5°	27.4	41.0	41.0	27.4	41.0	41.0	41.0	54.7	41.0	54.7	54.7
85°	13.7	13.7	13.7	13.7	13.7	13.7	13.7	27.4	13.7	13.7	27.4
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: P980971
CATALOG NUMBER: NFFLD-L-C100-7040-66

CANDELA DISTRIBUTION (continued):

	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	17108.3	17108.3	17108.3	17108.3	17108.3	17108.3	17108.3	17108.3	17108.3	17108.3
2.5°	17094.6	17163.0	17258.7	17409.2	17463.9	17559.6	17641.6	17710.0	17710.0	17682.7
5°	17313.4	17504.9	17764.7	17997.2	18079.3	18175.0	18216.0	18284.4	18270.7	18257.1
7.5°	17504.9	17805.8	18079.3	18243.4	18216.0	18092.9	18010.9	17901.5	17860.5	17887.8
10°	17655.3	17928.8	18051.9	17942.5	17614.3	17327.1	16957.9	16711.7	16588.6	16629.6
12.5°	17710.0	17805.8	17696.3	17094.6	16684.3	16410.8	16110.0	15945.9	15877.5	15891.2
15°	17723.7	17504.9	16903.2	16451.9	16151.0	15809.1	15562.9	15412.5	15412.5	15426.2
17.5°	17436.5	16903.2	16383.5	16041.6	15617.6	15262.1	15125.3	15070.6	14728.7	14783.4
20°	17176.7	16410.8	16123.6	15590.3	15084.3	14851.8	14058.6	13976.6	13990.2	14003.9
22.5°	16629.6	16055.3	15795.4	15098.0	14523.6	13880.8	13771.4	13689.4	13703.0	13703.0
25°	15877.5	15549.3	15193.7	14468.9	13771.4	13648.3	13566.3	13456.9	13402.2	13415.9
27.5°	15453.5	15043.3	14386.8	13771.4	13320.1	13374.8	13279.1	13115.0	13115.0	13128.7
30°	*14920.2*	*14523.6*	*13648.3*	*12923.5*	*12964.6*	*13046.6*	*12814.1*	*12732.1*	*12691.0*	*12691.0*
32.5°	14263.7	13716.7	12950.9	12267.1	12513.3	12485.9	12198.7	12226.1	12253.4	12226.1
35°	13771.4	13060.3	12417.5	12048.3	11952.6	11843.2	11692.7	11788.4	11829.5	11802.1
37.5°	13648.3	12800.4	12130.3	11870.5	11501.3	11296.1	11337.1	11432.9	11487.6	11473.9
40°	13607.3	12540.6	11884.2	11610.7	11118.3	10940.6	10995.3	11186.7	11255.1	11241.4
42.5°	13552.6	12362.8	11733.7	11405.5	10721.7	10598.7	10858.5	11036.3	11050.0	11036.3
45°	13265.4	12171.4	11638.0	10981.6	10120.0	10270.4	10598.7	10694.4	10530.3	10461.9
47.5°	12595.3	11815.8	11350.8	10461.9	9627.7	9914.9	9955.9	8916.6	8314.8	8178.1
50°	12403.9	11829.5	11022.6	9846.5	9326.8	9614.0	7822.5	5976.3	5224.1	5073.7
52.5°	12349.2	11692.7	11145.7	9203.7	9217.4	8109.7	4936.9	2926.6	2352.2	2242.8
55°	12485.9	12294.4	11350.8	8820.8	8574.7	5278.8	2297.5	1381.2	1422.3	1381.2
57.5°	9422.6	10284.1	11597.0	8219.1	6263.5	2543.7	1449.6	1340.2	1244.5	1217.1
60°	5880.5	6701.1	8492.6	7070.3	3213.8	1518.0	1477.0	1244.5	1203.5	1189.8
62.5°	1941.9	2981.3	4868.5	4649.7	888.9	1504.3	1490.7	1107.7	1107.7	1107.7
65°	492.3	506.0	1340.2	1600.1	656.4	1340.2	1422.3	1039.4	1012.0	1053.0
67.5°	423.9	382.9	711.1	629.1	547.0	929.9	1244.5	998.3	943.6	943.6
70°	423.9	451.3	697.5	588.1	341.9	506.0	902.6	615.4	547.0	506.0
72.5°	396.6	437.6	615.4	533.4	232.5	246.2	396.6	205.1	191.5	164.1
75°	341.9	355.6	478.6	478.6	246.2	123.1	164.1	136.8	136.8	123.1
77.5°	232.5	177.8	273.5	341.9	177.8	82.1	68.4	68.4	68.4	54.7
80°	123.1	68.4	68.4	54.7	68.4	68.4	41.0	54.7	54.7	41.0
82.5°	68.4	41.0	41.0	27.4	27.4	41.0	27.4	27.4	27.4	27.4
85°	27.4	27.4	13.7	13.7	13.7	27.4	13.7	13.7	13.7	13.7
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	13.7	13.7
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

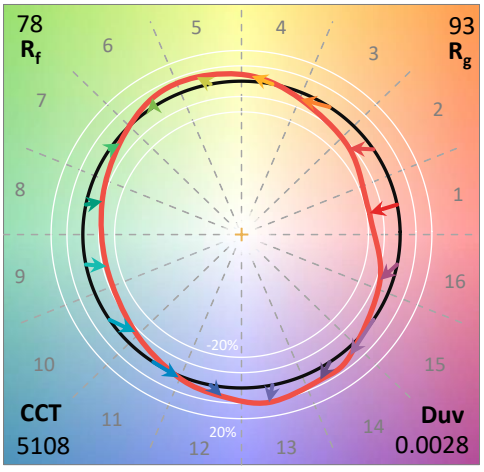
Test Information

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

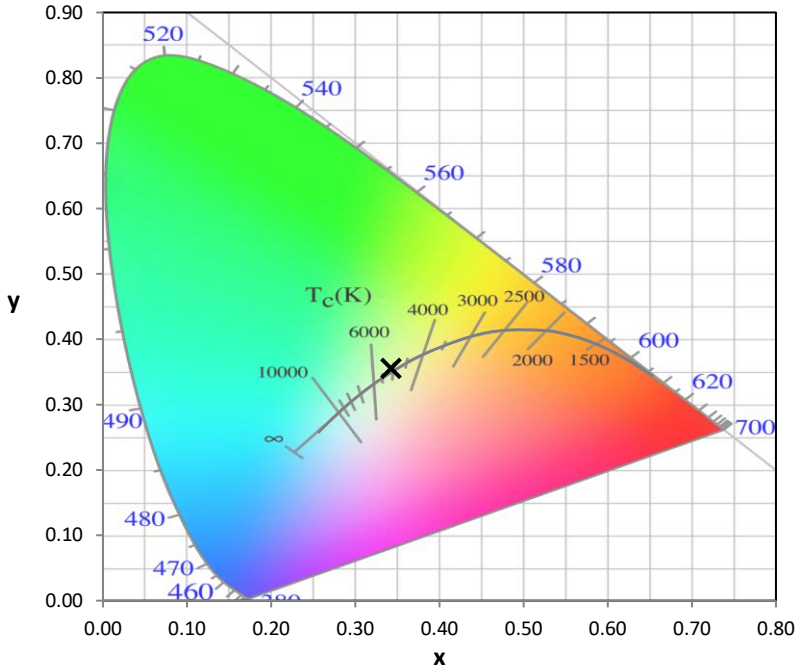
Stabilization Time:	48M
Operation Time:	1H 48M
Sphere Temperature (°C):	25.0

REPORT NUMBER: SP1-2501-319-11

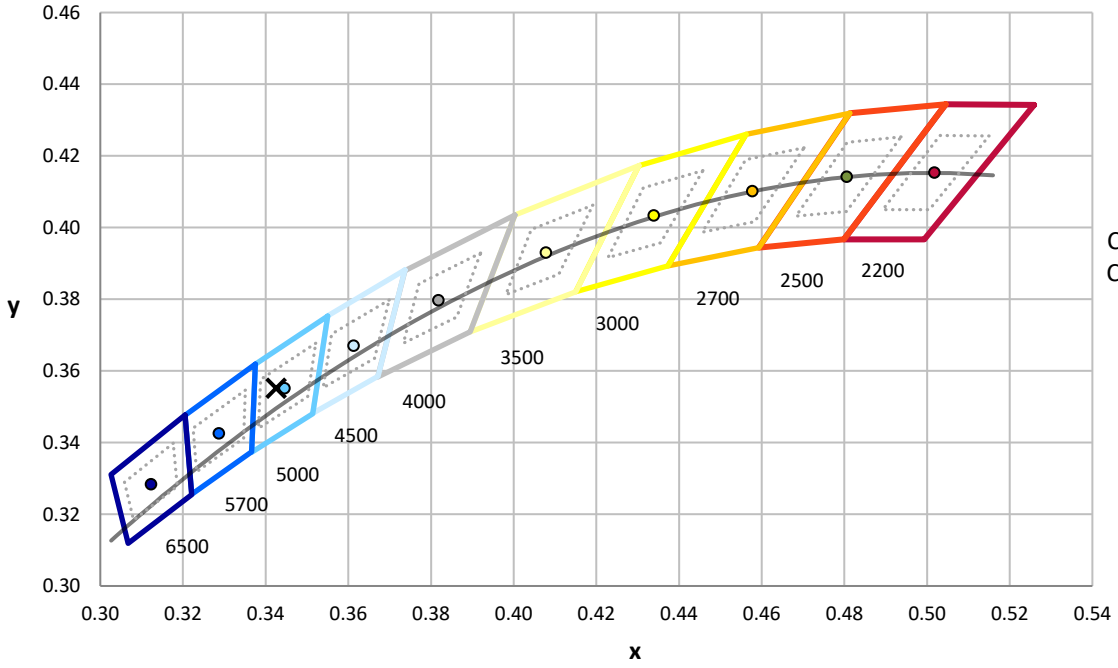
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	12/16/2024	6/16/2025
Power Meter	INXT2011004	1/212025	1/21/2026
AC Power Source	IN0063	10/22/2024	10/22/2025
DC Power Source	IN0208	10/22/2024	10/22/2025
Sphere Thermometer	IN0085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

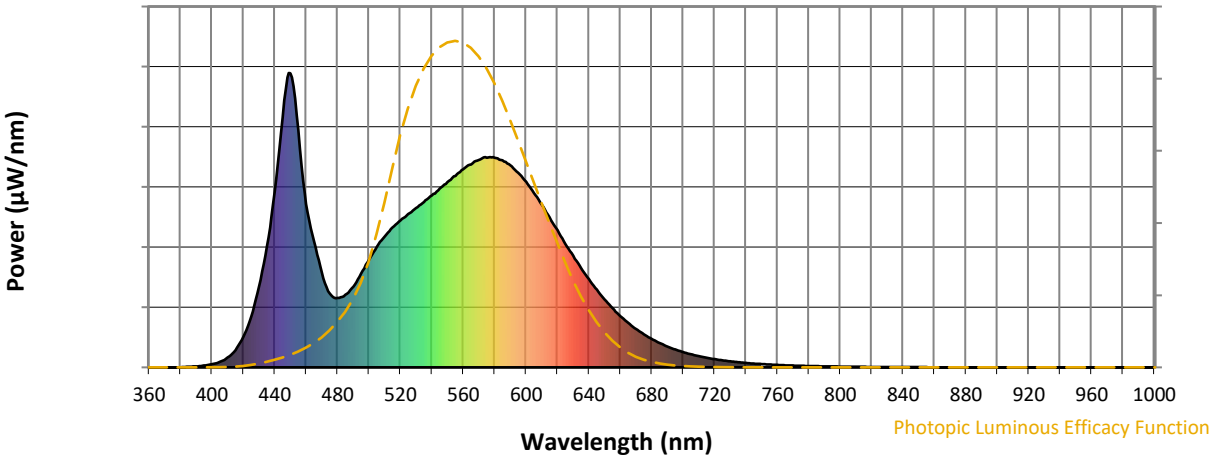


CCT = 5108K
CIE x = 0.3426
CIE y = 0.3552
Duv = 0.0028

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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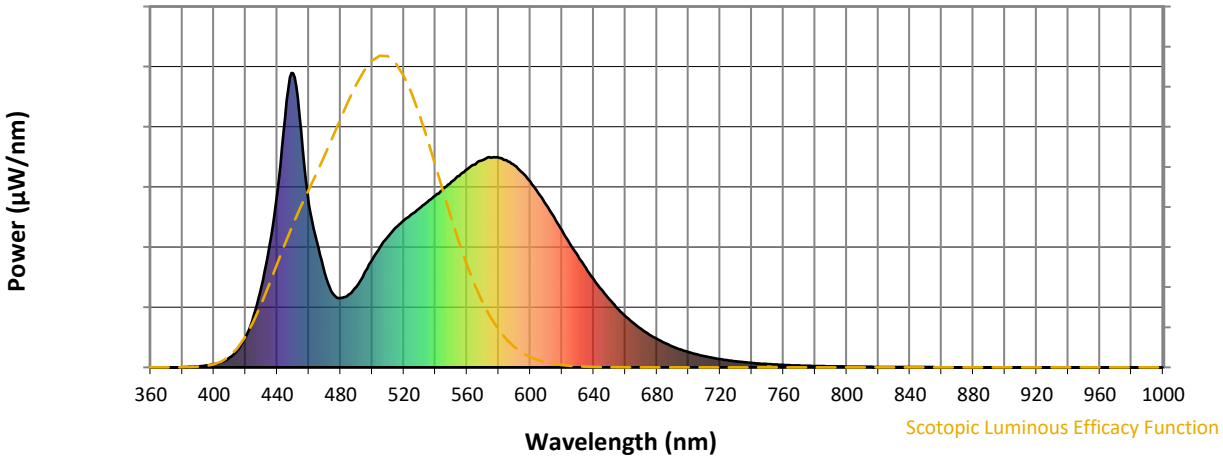
Scotopic Flux vs. Wavelength



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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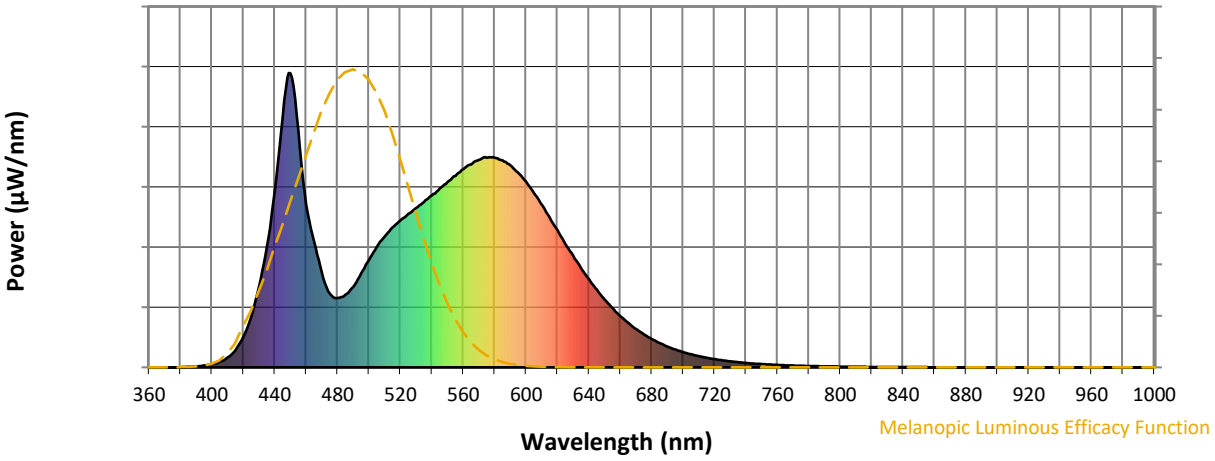
Melanopic Flux vs. Wavelength



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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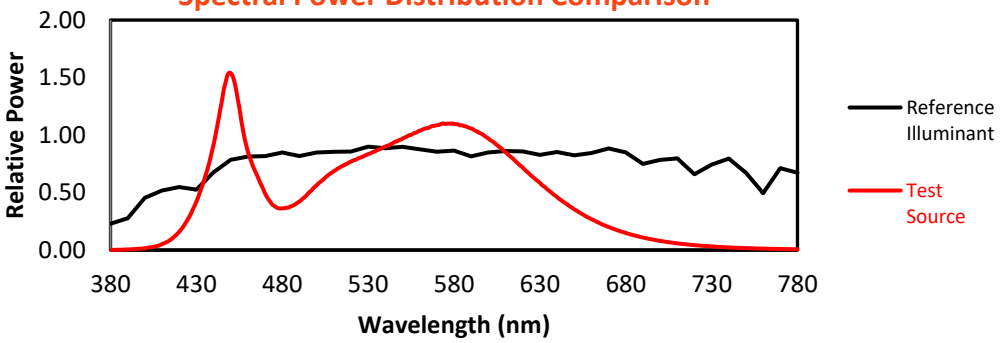
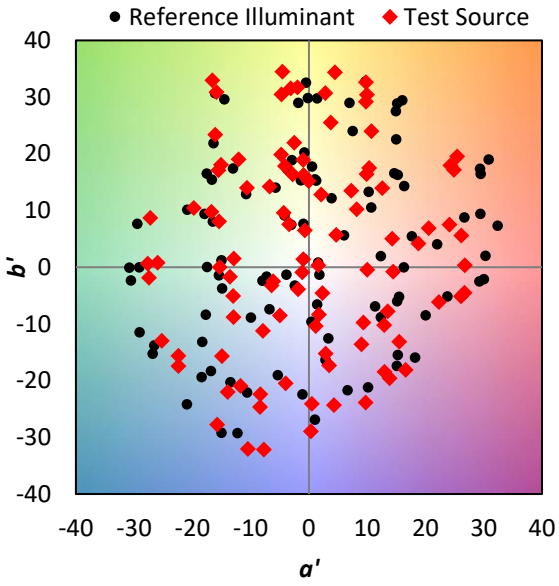
Summary

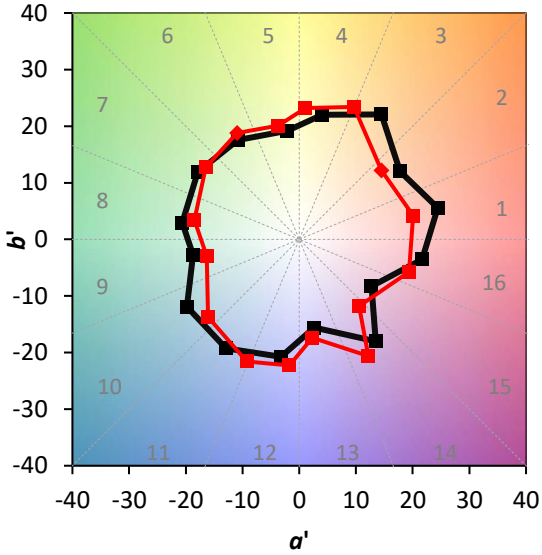
R_f = 77.8
R_g = 93.2
CIE R_a = 75.3
R_9 = -33.6

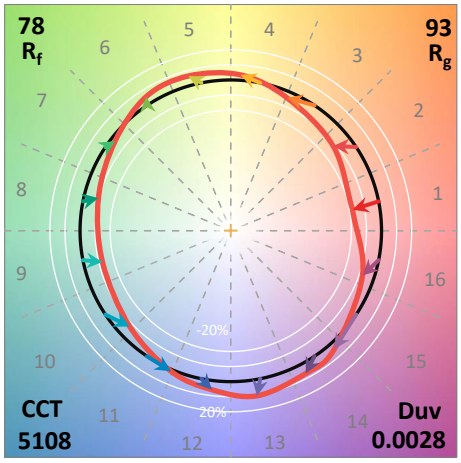
Spectral Power Distribution Comparison

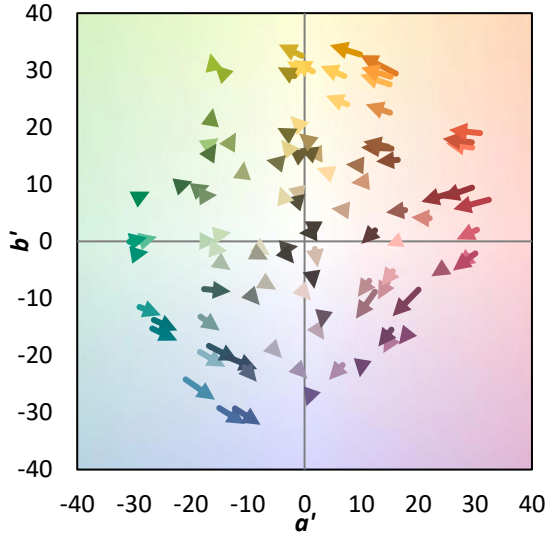


Color Vector Graphics









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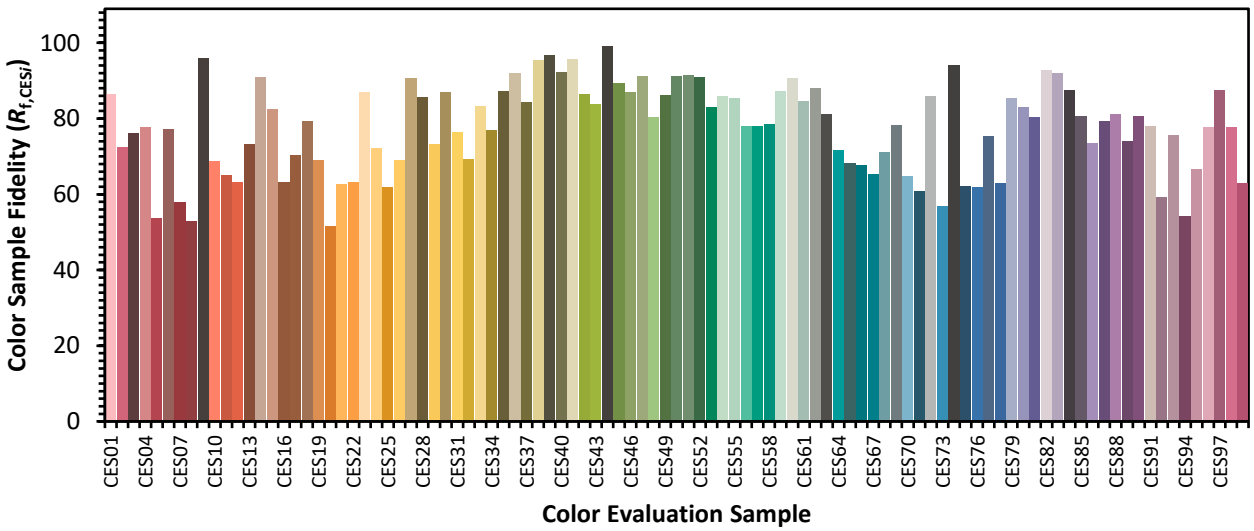
Individual Sample Fidelity Index ($R_{f,i}$)

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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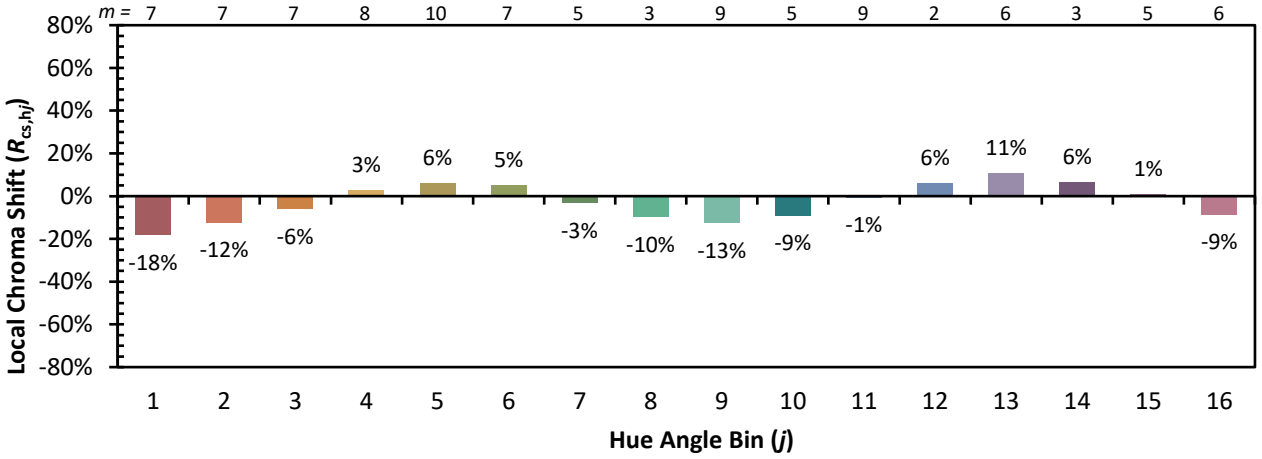
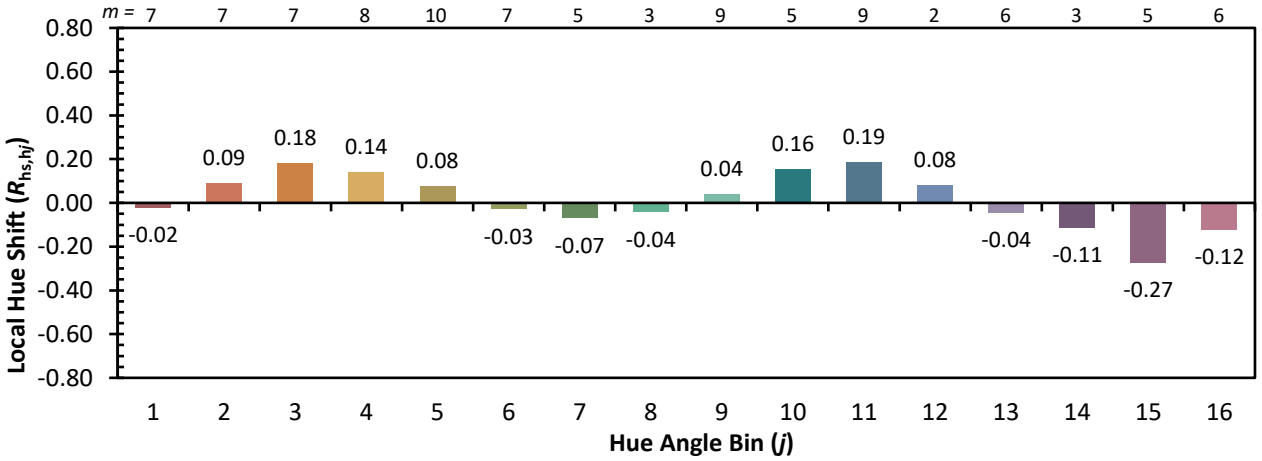
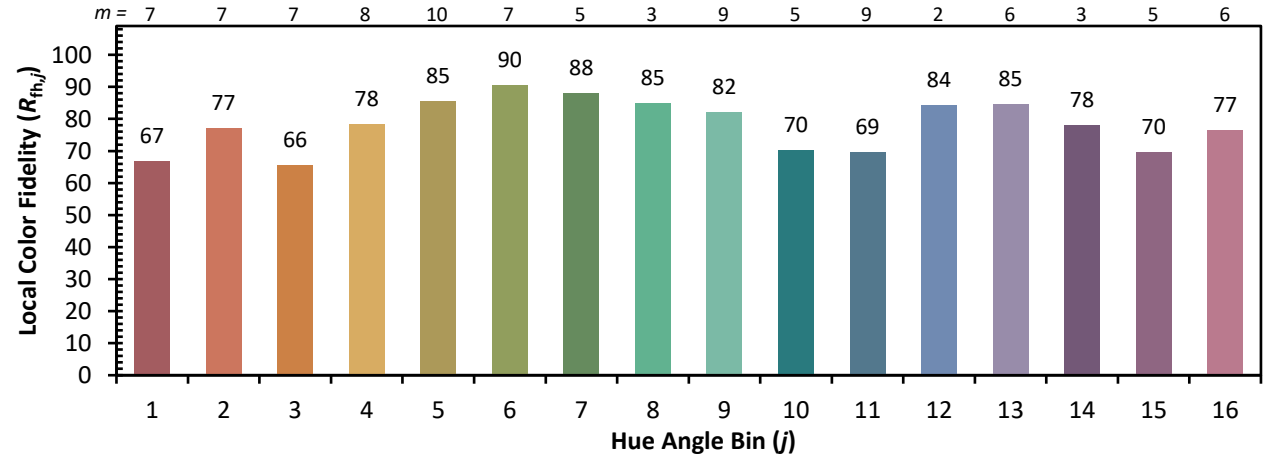
Color Rendition by Hue-Angle Bin







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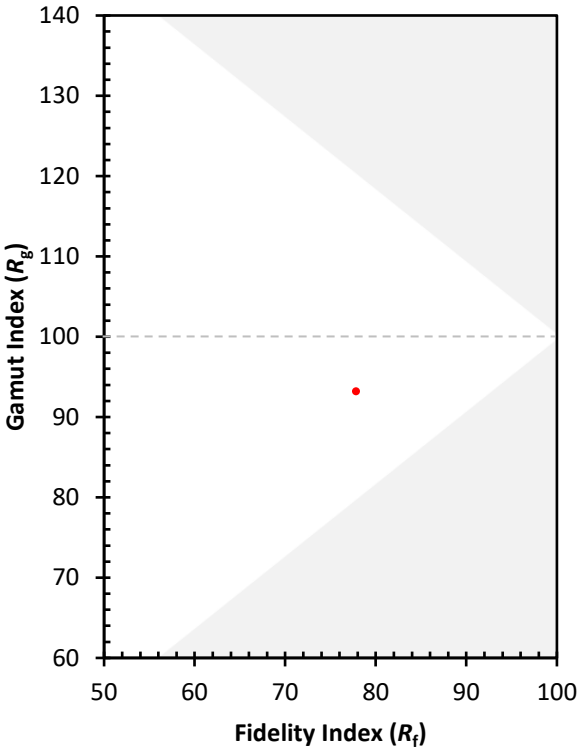
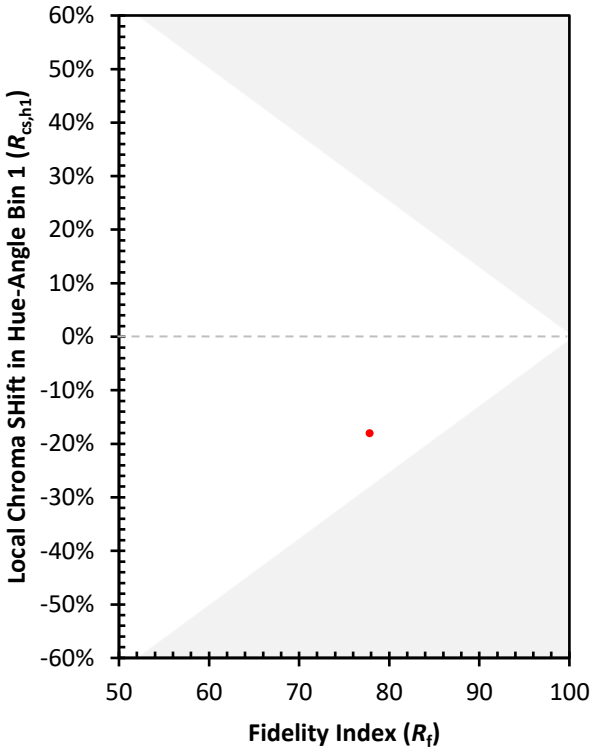
Measure Comparisons





(END OF REPORT)