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: P980963

Luminaire Tested: **NFFLD-L-C175-7030-66**

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:	P980963
Test Lab:	INNOVATION CENTER(G2)
Issue Date:	04/10/2025
Manufacturer:	COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line:	LUMARK
Catalog Number:	NFFLD-L-C175-7030-66
Description:	LUMARK NIGHT FALCON LARGE SIZE 370W 70CRI 3000K LED FIXTURE NEMA 6
Light Source:	(4) 3000K CCT, 70 CRI LEDS
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	52749.5 lumens
Efficiency:	N/A
Efficacy:	141.5 lumens/watt
Luminous Opening:	Rectangular (W 1' x L: 0.67' x H: 0')
IES Classification:	Type I - Short
BUG Rating:	B5 - U0 - G3

Input Watts (W):	372.8
Input Voltage (V):	120
Input Current (Ain):	NR
Voltage Rise (V):	NR
Power Factor:	0.99
Total Harmonic Distortion (THDi):	2.62%
Frequency (hertz):	60
Stabilization Time:	NR
Operation Time:	NR
Ambient Temperature (°C):	NR
Test Distance:	28.75 FT

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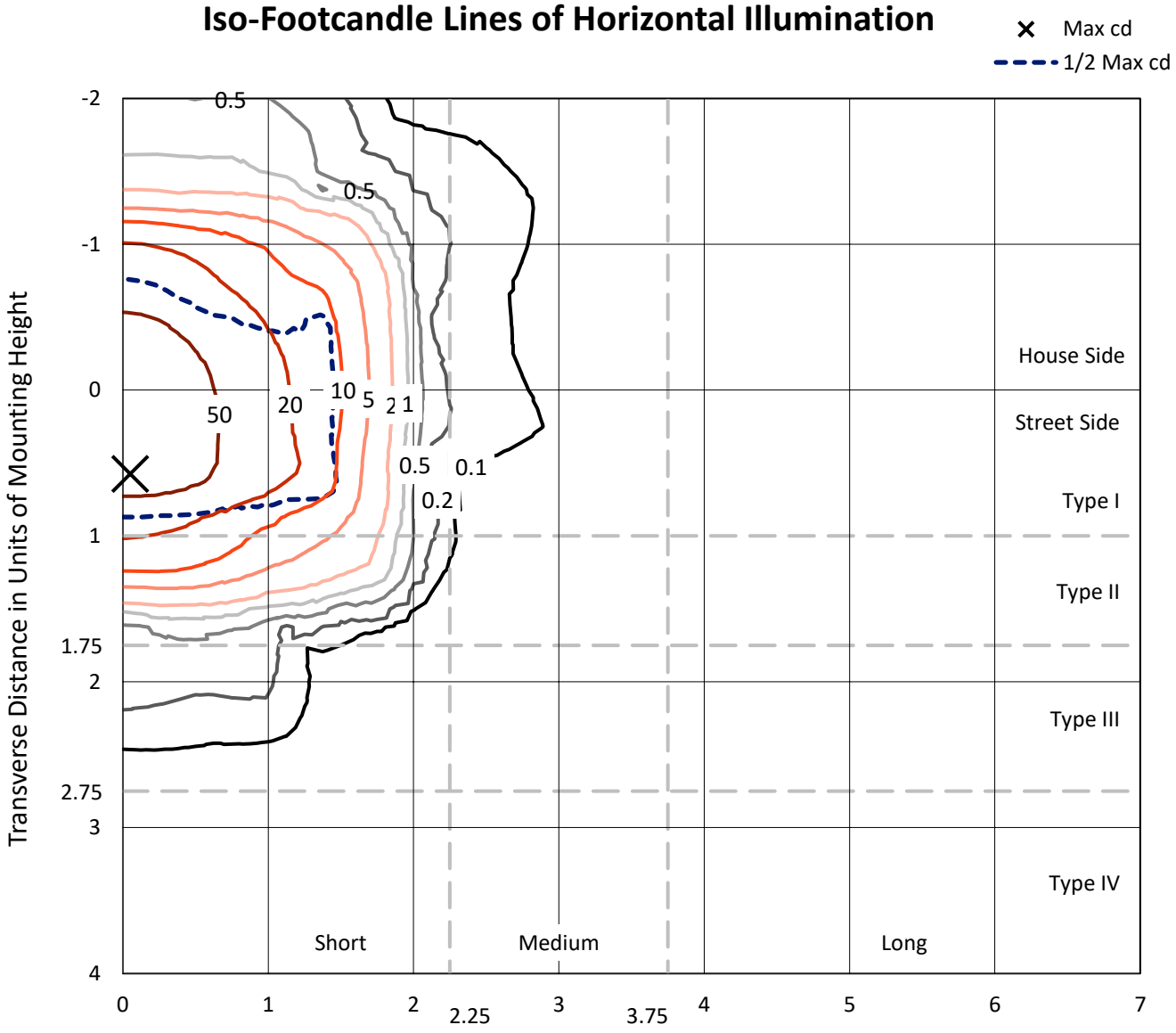
REPORT NUMBER: P980963
CATALOG NUMBER: NFFLD-L-C175-7030-66

Iso-Footcandle Lines of Horizontal Illumination



Based on 15 foot mounting height. Maximum calculated value = 98.1 fc
Type I - Short - N/A

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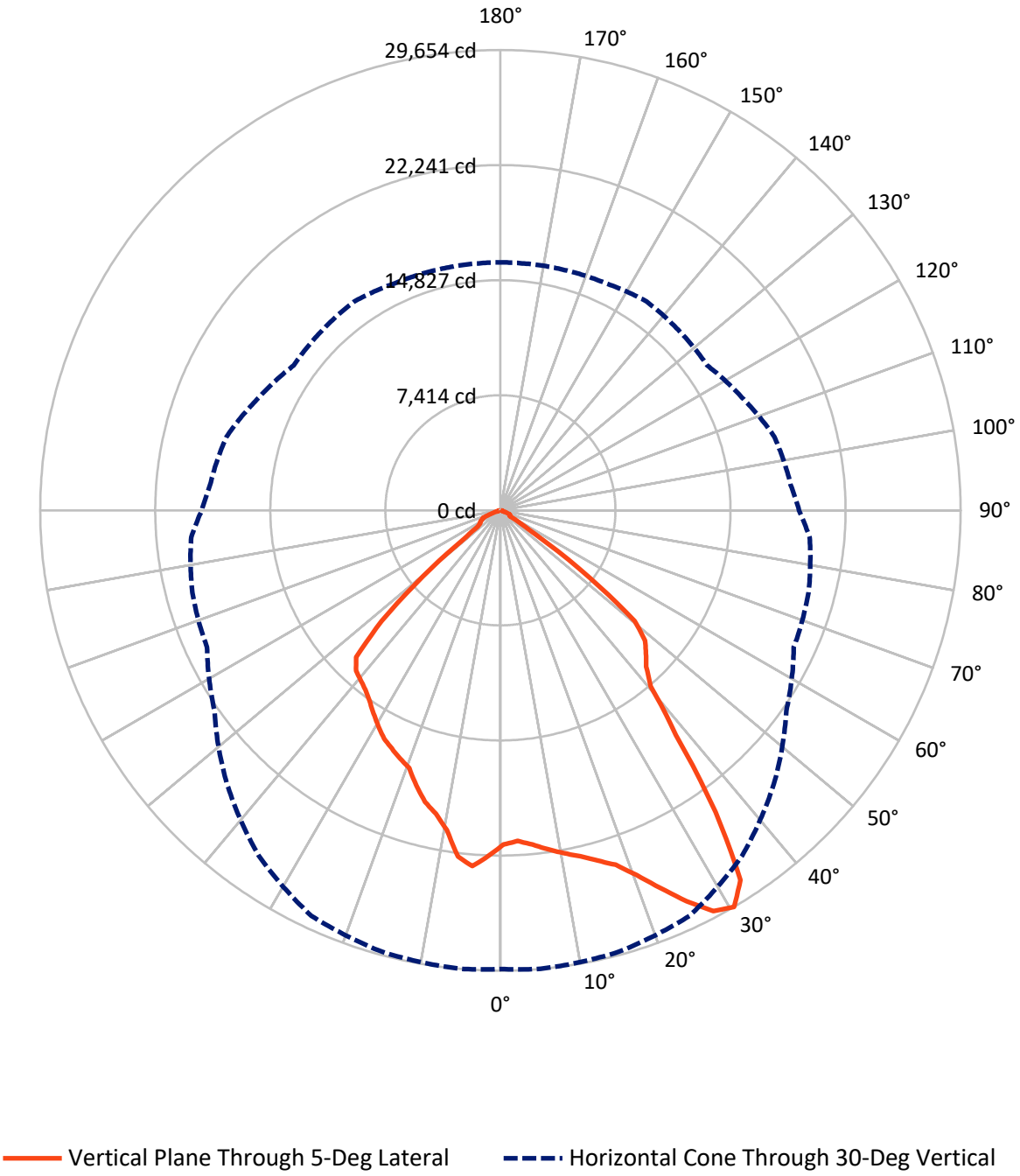
Luminous Intensity Polar Plot



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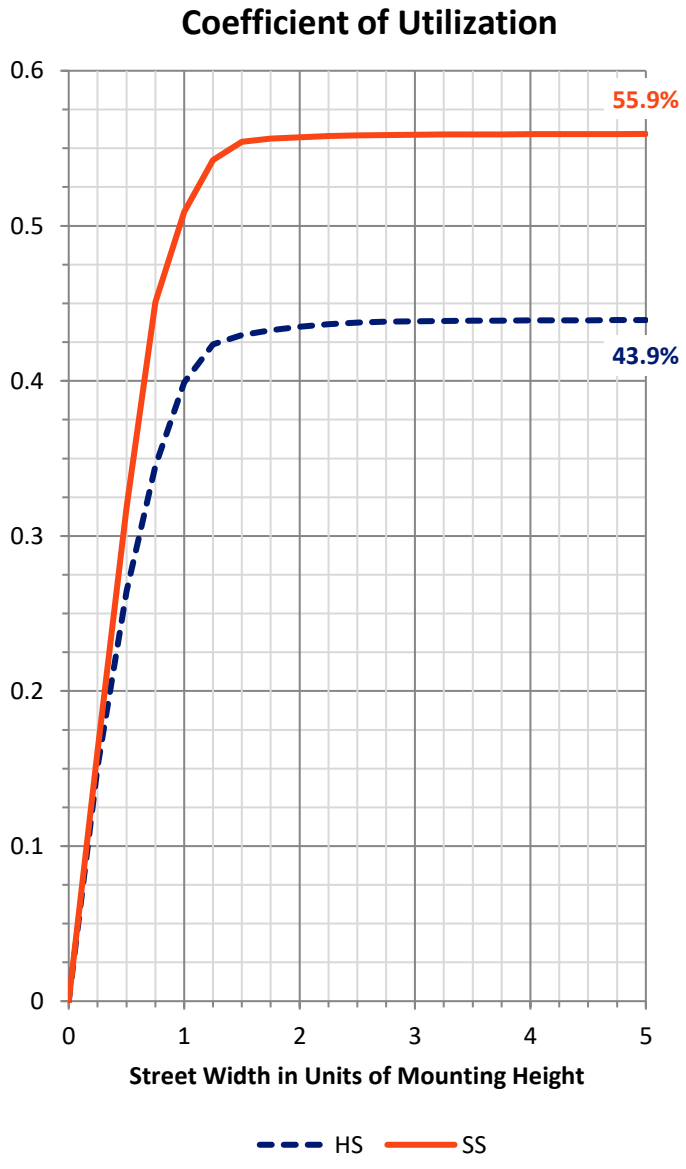
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	23330.6	0.0	23330.6
	% Fixture	44.2	0.0	44.2
Street Side	Lumens	29418.9	0.0	29418.9
	% Fixture	55.8	0.0	55.8
Total	Lumens	52749.5	0.0	52749.5
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	2106.2	4.0
10°-20°	6101.3	11.6
20°-30°	9722.9	18.4
30°-40°	12155.3	23.0
40°-50°	11928.4	22.6
50°-60°	8528.1	16.2
60°-70°	1886.9	3.6
70°-80°	289.8	0.5
80°-90°	30.6	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°	52749.5	100.0
0°-180°	52749.5	100.0



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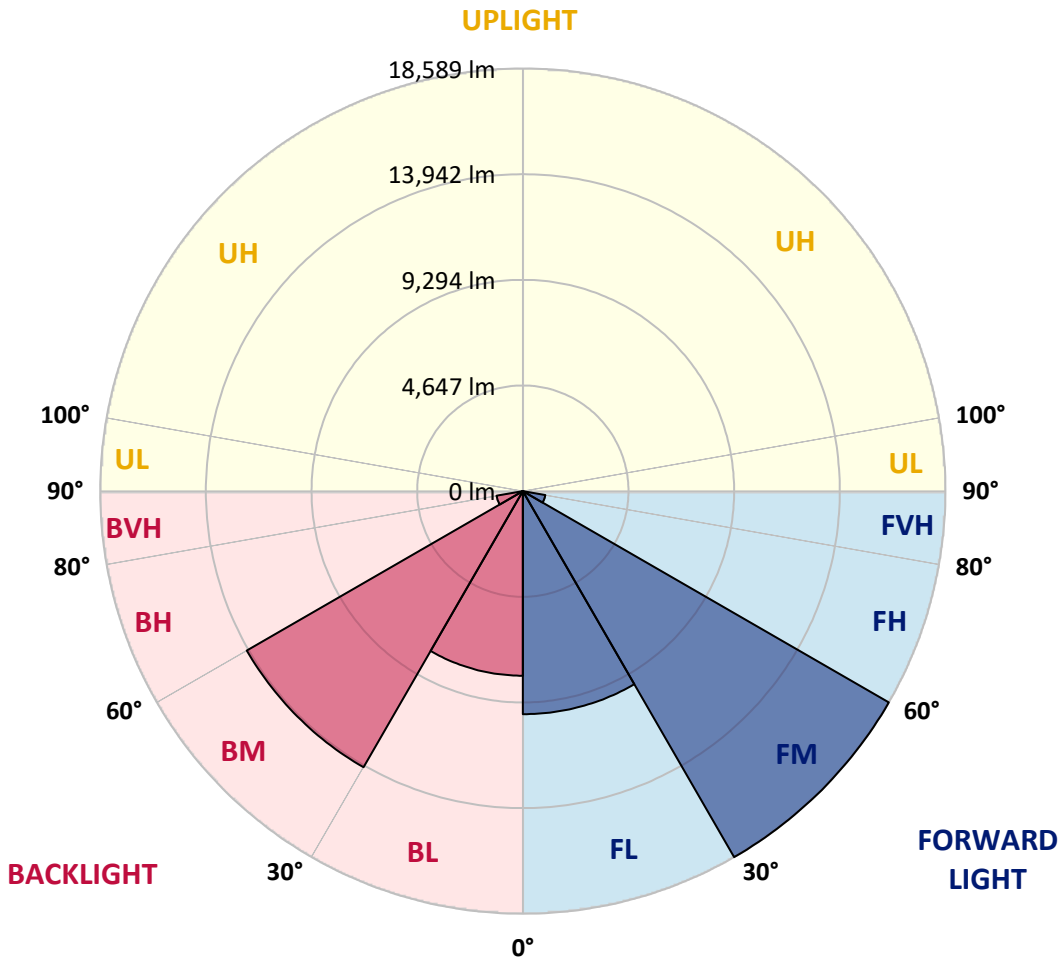
LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	9810.9	18.6			
FM	(30°-60°)	18588.9	35.2			
FH	(60°-80°)	1003.6	1.9			G1/1800
FVH	(80°-90°)	15.5	0.0			G1/100
BL	(0°-30°)	8119.5	15.4	B5		
BM	(30°-60°)	14022.8	26.6	B5		
BH	(60°-80°)	1173.1	2.2	B3/2500		G3/2500
BVH	(80°-90°)	15.2	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-G3
Type I Short



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REPORT NUMBER: P980963
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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	21530.5	21530.5	21530.5	21530.5	21530.5	21530.5	21530.5	21530.5	21530.5	21530.5	21530.5
2.5°	21289.6	21324.0	21358.4	21410.1	21478.9	21513.3	21478.9	21444.5	21427.3	21461.7	21478.9
5°	21582.2	21633.8	21651.0	21685.4	21719.8	21685.4	21668.2	21633.8	21616.6	21633.8	21685.4
7.5°	22012.4	22046.8	22029.6	22012.4	21995.2	21874.7	21754.3	21702.6	21702.6	21754.3	21892.0
10°	22391.1	22459.9	22373.8	22305.0	22184.5	21995.2	21788.7	21668.2	21702.6	21805.9	21978.0
12.5°	22873.0	22873.0	22786.9	22718.1	22442.7	22219.0	21943.6	21754.3	21754.3	21943.6	22132.9
15°	23458.1	23406.5	23372.1	23182.7	22855.7	22494.3	22150.1	21874.7	21823.1	22115.7	22236.2
17.5°	24198.2	24008.9	23922.8	23595.8	23148.3	22683.6	22219.0	21995.2	21840.3	22150.1	22012.4
20°	25213.6	25075.9	24800.6	24284.2	23372.1	22769.7	22219.0	21926.4	21805.9	21978.0	21840.3
22.5°	26521.6	26435.6	25816.0	25162.0	23957.2	22838.5	22132.9	21737.1	21702.6	21616.6	21324.0
25°	28122.2	27898.5	27261.7	26332.3	24835.0	23509.8	22115.7	21392.8	21272.4	21048.6	20532.3
27.5°	29481.8	29240.9	28466.4	27640.3	26039.7	24508.0	22253.4	20979.8	20842.1	20687.2	20050.4
30°	29550.7	29654.0	29447.4	28827.8	27158.4	24921.0	22494.3	20859.3	20549.5	19998.8	19241.5
32.5°	28156.6	28397.6	28896.7	29120.4	28001.7	25420.1	22700.9	20910.9	20343.0	19017.8	18398.2
35°	23389.3	23871.2	25919.2	27846.8	28242.7	26143.0	22873.0	20910.9	20274.1	18312.1	17830.2
37.5°	17967.9	18363.8	20102.0	23595.8	27175.6	26590.5	23251.6	20790.5	20188.1	18363.8	17709.8
40°	14680.7	14904.4	15661.7	18036.8	23423.7	25850.4	23630.2	20928.2	19929.9	18398.2	17778.6
42.5°	13785.7	13768.5	13613.6	14491.4	17864.7	23681.9	23888.4	21272.4	19499.7	18174.4	17658.1
45°	13183.4	13148.9	13011.3	13183.4	14129.9	19379.2	23699.1	21892.0	18966.1	17382.8	17038.5
47.5°	12529.4	12546.6	12494.9	12563.8	12391.7	14715.1	22632.0	22150.1	18054.0	16057.5	15937.1
50°	10963.2	11221.3	11909.8	11978.6	11531.1	11875.4	19379.2	22029.6	17400.0	15678.9	15575.6
52.5°	6815.4	7228.5	9259.3	10980.4	10722.2	10722.2	14784.0	22201.7	16229.6	15541.2	15610.1
55°	2409.5	2719.3	4956.7	7555.5	9603.5	9792.9	11686.0	19757.8	16092.0	15782.2	15851.0
57.5°	602.4	740.1	1514.5	3270.0	6471.2	8880.7	10446.9	16315.7	12219.6	11789.3	11961.4
60°	705.6	688.4	946.6	1049.8	2512.8	7021.9	9414.2	11014.8	7882.5	7383.4	7469.4
62.5°	757.3	705.6	740.1	929.4	413.1	3442.1	7503.8	6557.3	3252.8	2409.5	2547.2
65°	671.2	636.8	585.2	860.5	292.6	636.8	4423.1	1927.6	464.7	740.1	671.2
67.5°	447.5	464.7	481.9	688.4	275.4	275.4	585.2	481.9	327.0	671.2	585.2
70°	258.2	275.4	327.0	413.1	275.4	223.7	258.2	395.8	275.4	671.2	585.2
72.5°	154.9	154.9	154.9	172.1	275.4	189.3	172.1	327.0	240.9	619.6	585.2
75°	120.5	120.5	120.5	103.3	240.9	120.5	120.5	258.2	206.5	447.5	447.5
77.5°	103.3	103.3	103.3	86.1	137.7	103.3	103.3	189.3	189.3	223.7	258.2
80°	68.8	68.8	68.8	68.8	86.1	86.1	68.8	103.3	86.1	103.3	120.5
82.5°	34.4	51.6	51.6	34.4	51.6	51.6	51.6	68.8	51.6	68.8	68.8
85°	17.2	17.2	17.2	17.2	17.2	17.2	17.2	34.4	17.2	17.2	34.4
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: P980963
CATALOG NUMBER: NFFLD-L-C175-7030-66

CANDELA DISTRIBUTION (continued):

	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	21530.5	21530.5	21530.5	21530.5	21530.5	21530.5	21530.5	21530.5	21530.5	21530.5
2.5°	21513.3	21599.4	21719.8	21909.2	21978.0	22098.5	22201.7	22287.8	22287.8	22253.4
5°	21788.7	22029.6	22356.6	22649.2	22752.5	22873.0	22924.6	23010.6	22993.4	22976.2
7.5°	22029.6	22408.3	22752.5	22959.0	22924.6	22769.7	22666.4	22528.7	22477.1	22511.5
10°	22219.0	22563.2	22718.1	22580.4	22167.3	21805.9	21341.2	21031.4	20876.5	20928.2
12.5°	22287.8	22408.3	22270.6	21513.3	20997.0	20652.8	20274.1	20067.6	19981.6	19998.8
15°	22305.0	22029.6	21272.4	20704.4	20325.8	19895.5	19585.7	19396.4	19396.4	19413.6
17.5°	21943.6	21272.4	20618.4	20188.1	19654.6	19207.1	19035.0	18966.1	18535.9	18604.7
20°	21616.6	20652.8	20291.4	19620.1	18983.3	18690.8	17692.6	17589.3	17606.5	17623.7
22.5°	20928.2	20205.3	19878.3	19000.6	18277.7	17468.8	17331.1	17227.9	17245.1	17245.1
25°	19981.6	19568.5	19121.0	18208.9	17331.1	17176.2	17073.0	16935.3	16866.4	16883.7
27.5°	19448.0	18931.7	18105.6	17331.1	16763.2	16832.0	16711.5	16505.0	16505.0	16522.2
30°	*18776.8*	*18277.7*	*17176.2*	*16264.1*	*16315.7*	*16419.0*	*16126.4*	*16023.1*	*15971.5*	*15971.5*
32.5°	17950.7	17262.3	16298.5	15438.0	15747.7	15713.3	15351.9	15386.3	15420.7	15386.3
35°	17331.1	16436.2	15627.3	15162.6	15042.1	14904.4	14715.1	14835.6	14887.2	14852.8
37.5°	17176.2	16109.2	15265.8	14938.8	14474.2	14216.0	14267.6	14388.1	14456.9	14439.7
40°	17124.6	15782.2	14956.1	14611.8	13992.3	13768.5	13837.4	14078.3	14164.4	14147.2
42.5°	17055.8	15558.4	14766.7	14353.7	13493.2	13338.3	13665.3	13889.0	13906.2	13889.0
45°	16694.3	15317.5	14646.3	13820.2	12735.9	12925.2	13338.3	13458.7	13252.2	13166.1
47.5°	15851.0	14870.0	14284.8	13166.1	12116.3	12477.7	12529.4	11221.3	10464.1	10292.0
50°	15610.1	14887.2	13871.8	12391.7	11737.7	12099.1	9844.5	7521.1	6574.5	6385.2
52.5°	15541.2	14715.1	14026.7	11582.8	11600.0	10205.9	6213.0	3683.1	2960.2	2822.5
55°	15713.3	15472.4	14284.8	11100.9	10791.1	6643.3	2891.4	1738.3	1789.9	1738.3
57.5°	11858.1	12942.4	14594.6	10343.6	7882.5	3201.2	1824.3	1686.6	1566.2	1531.7
60°	7400.6	8433.2	10687.8	8897.9	4044.5	1910.4	1858.8	1566.2	1514.5	1497.3
62.5°	2443.9	3751.9	6127.0	5851.6	1118.7	1893.2	1876.0	1394.1	1394.1	1394.1
65°	619.6	636.8	1686.6	2013.6	826.1	1686.6	1789.9	1308.0	1273.6	1325.2
67.5°	533.5	481.9	895.0	791.7	688.4	1170.3	1566.2	1256.4	1187.5	1187.5
70°	533.5	568.0	877.7	740.1	430.3	636.8	1135.9	774.5	688.4	636.8
72.5°	499.1	550.7	774.5	671.2	292.6	309.8	499.1	258.2	240.9	206.5
75°	430.3	447.5	602.4	602.4	309.8	154.9	206.5	172.1	172.1	154.9
77.5°	292.6	223.7	344.2	430.3	223.7	103.3	86.1	86.1	86.1	68.8
80°	154.9	86.1	86.1	68.8	86.1	86.1	51.6	68.8	68.8	51.6
82.5°	86.1	51.6	51.6	34.4	34.4	51.6	34.4	34.4	34.4	34.4
85°	34.4	34.4	17.2	17.2	17.2	34.4	17.2	17.2	17.2	17.2
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	17.2	17.2
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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Peachtree City, GA 30269

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

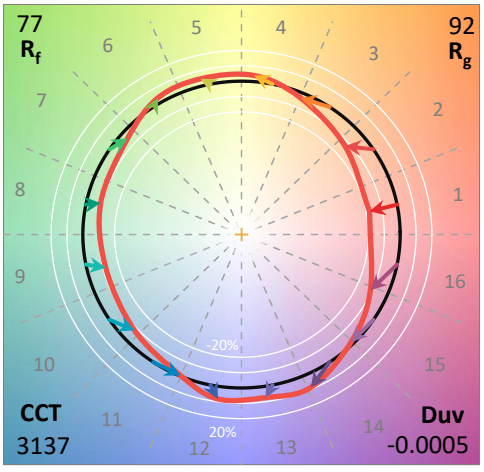
Report Generated By FNC07603 / LDUCLS01DT446
Version: v7.04

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

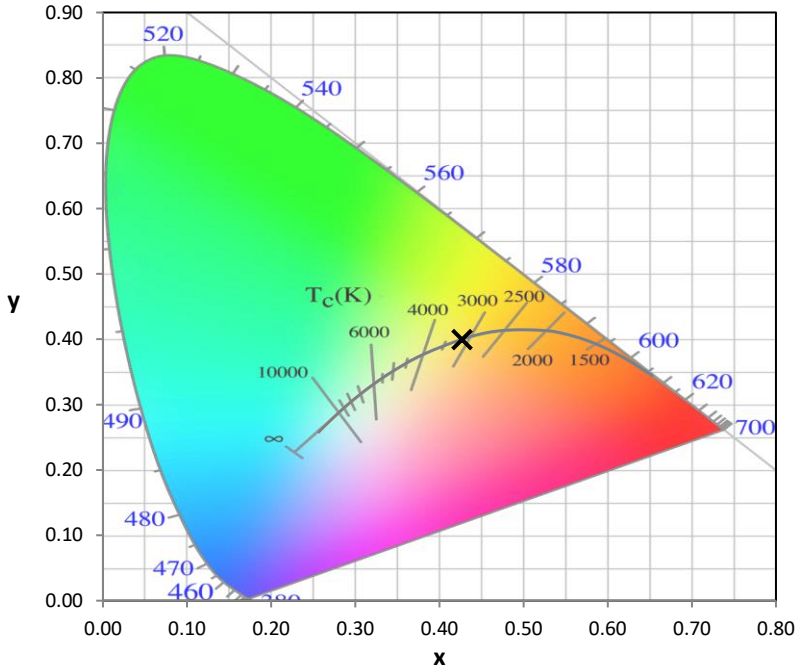
Stabilization Time:	39M
Operation Time:	1H 39M
Sphere Temperature (°C):	25.0

REPORT NUMBER: SP1-2501-319-10

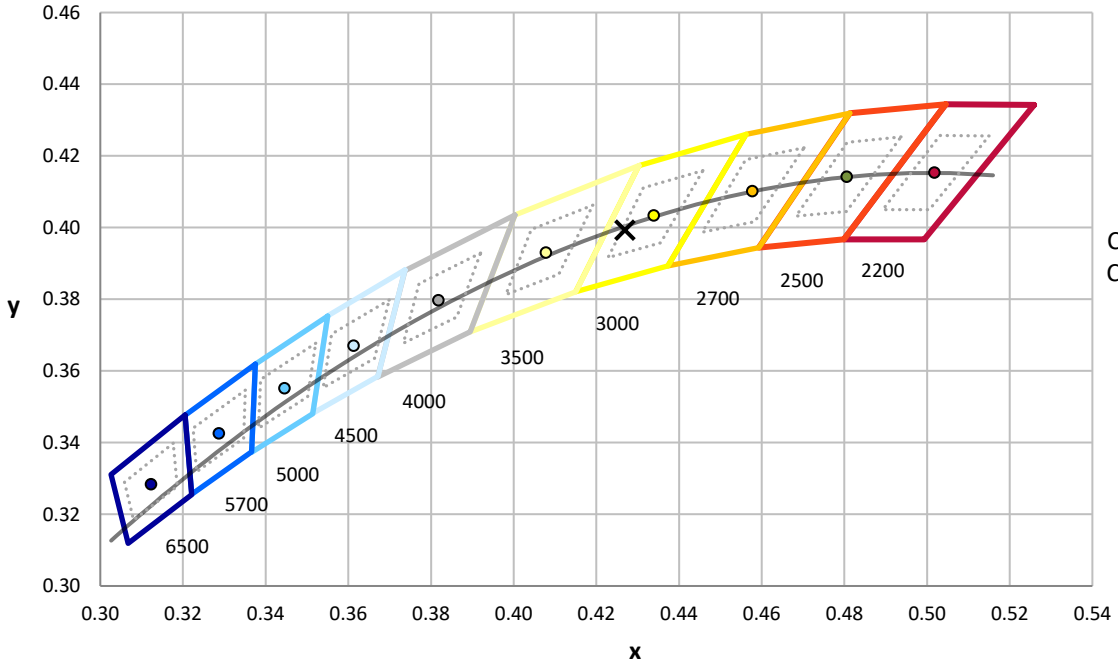
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	12/16/2024	6/16/2025
Power Meter	INXT2011004	1/212025	1/21/2026
AC Power Source	IN0063	10/22/2024	10/22/2025
DC Power Source	IN0208	10/22/2024	10/22/2025
Sphere Thermometer	IN0085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

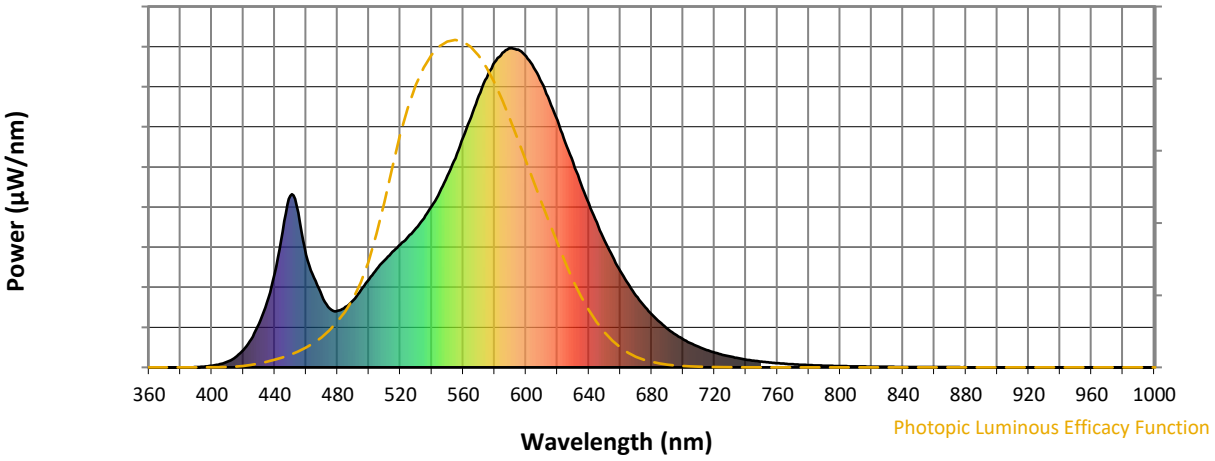


CCT = 3137K
CIE x = 0.4269
CIE y = 0.3993
Duv = -0.0005

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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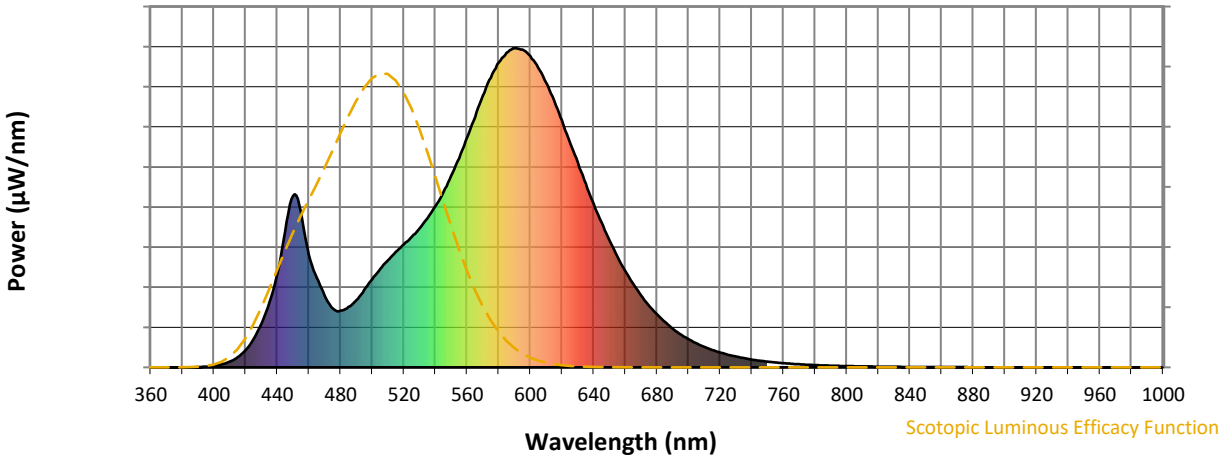
Scotopic Flux vs. Wavelength



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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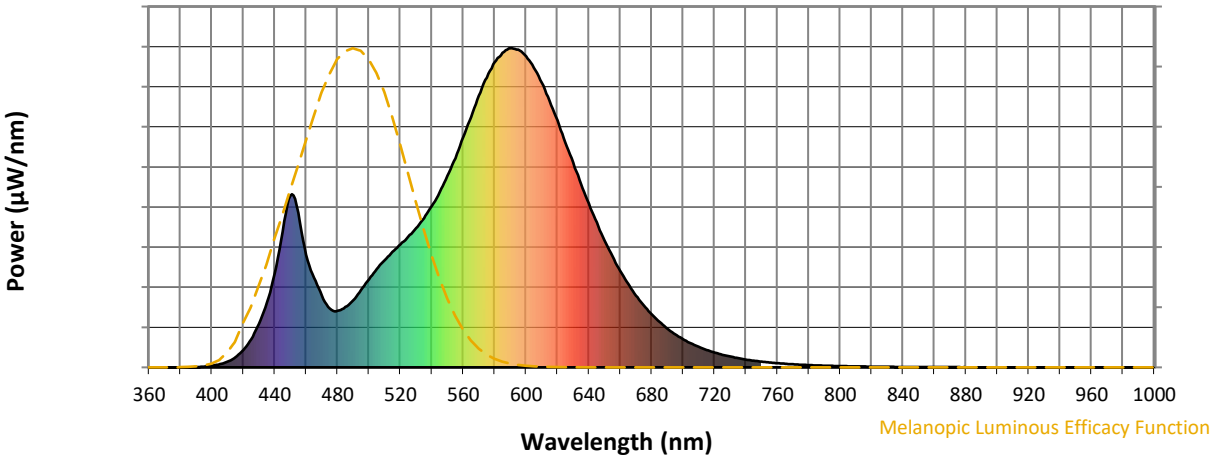
Melanopic Flux vs. Wavelength



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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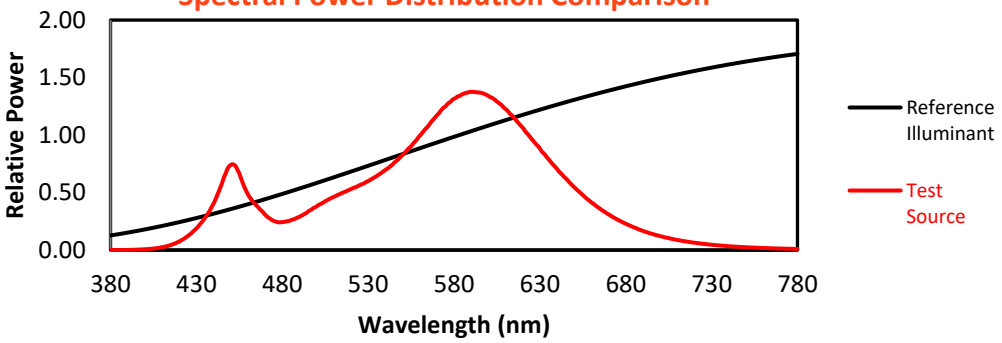
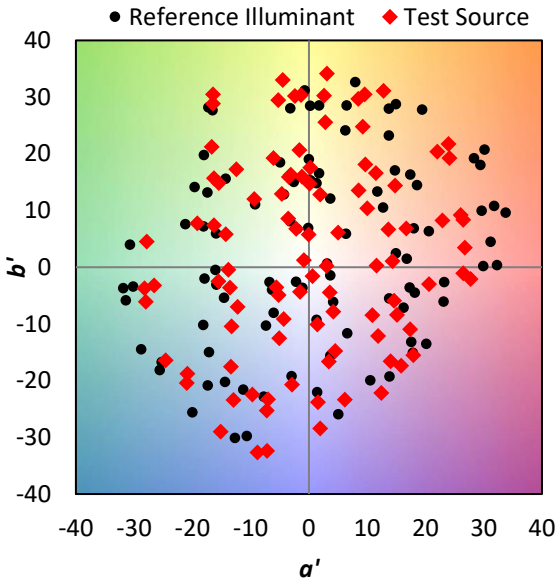
Summary

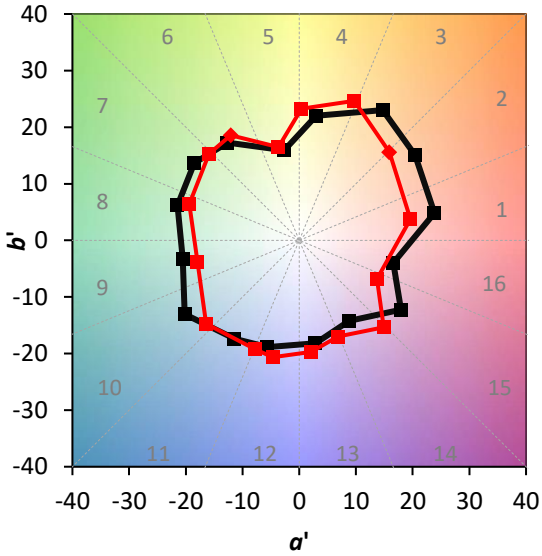
R_f = 76.5
R_g = 91.7
CIE R_a = 71.4
R_9 = -42.3

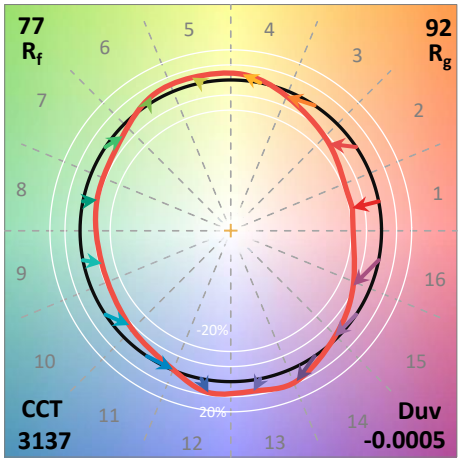
Spectral Power Distribution Comparison

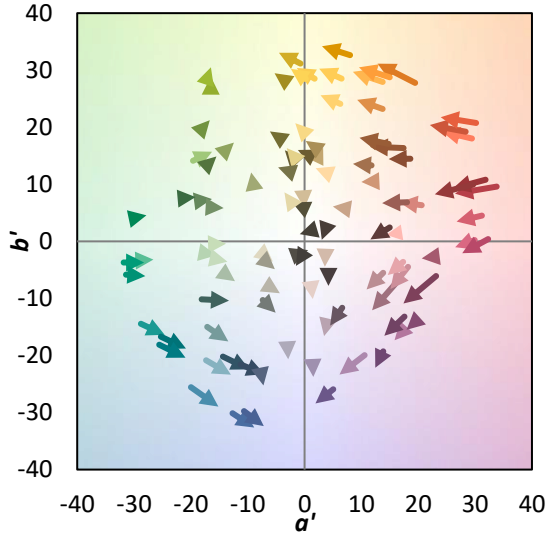


Color Vector Graphics









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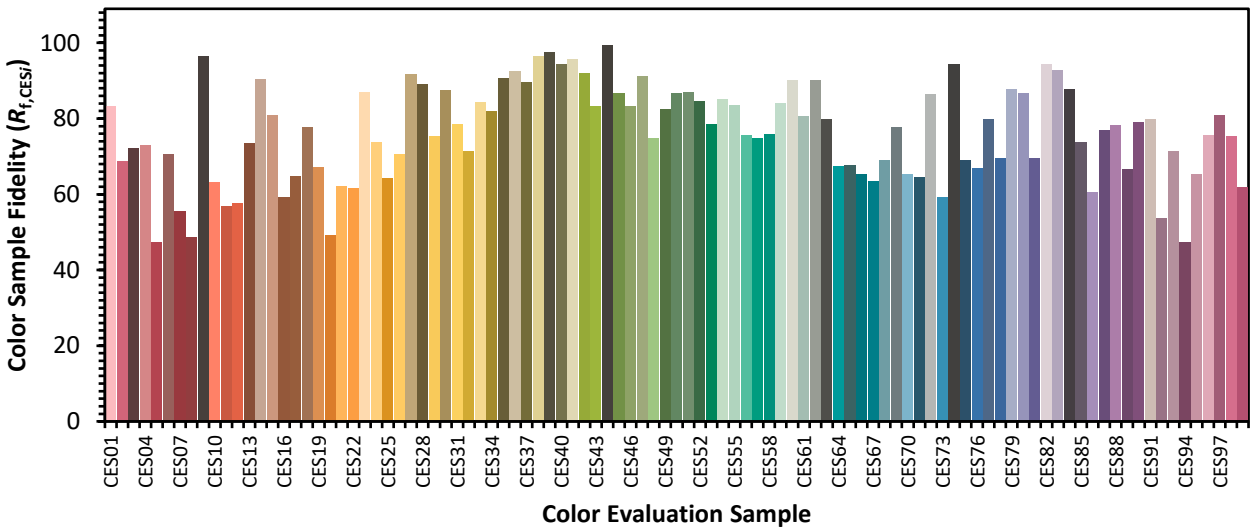
Individual Sample Fidelity Index ($R_{f,i}$)

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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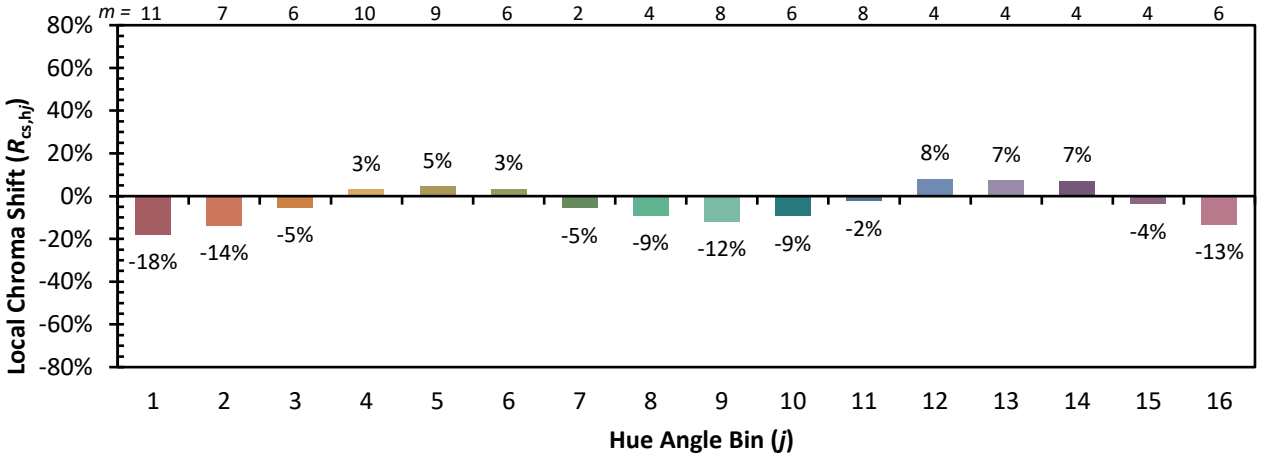
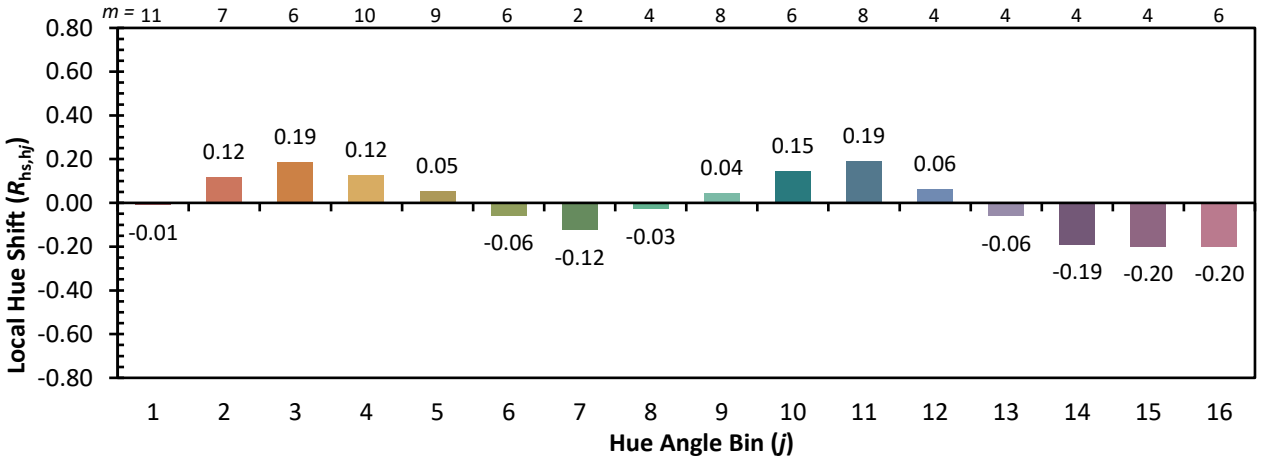
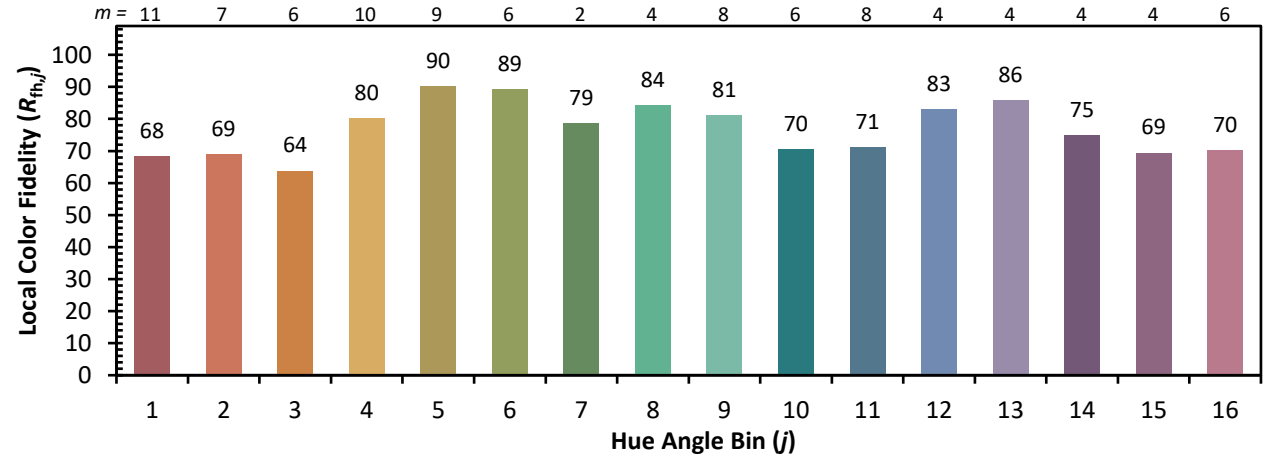
Color Rendition by Hue-Angle Bin







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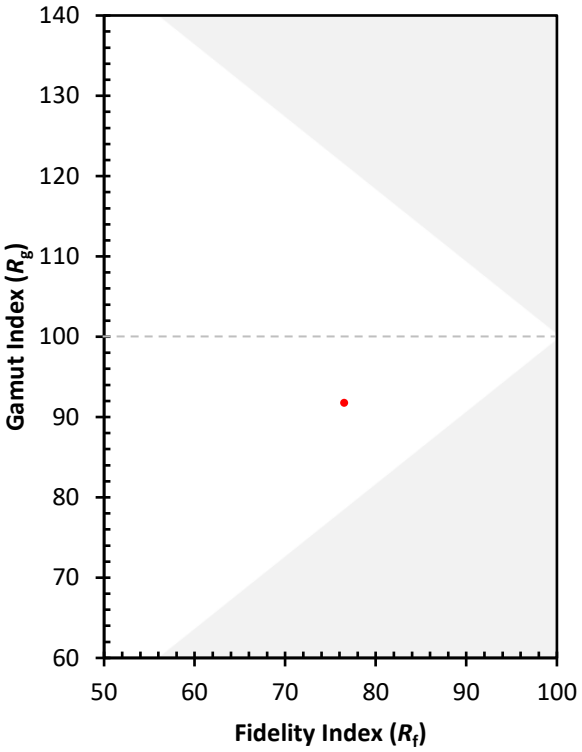
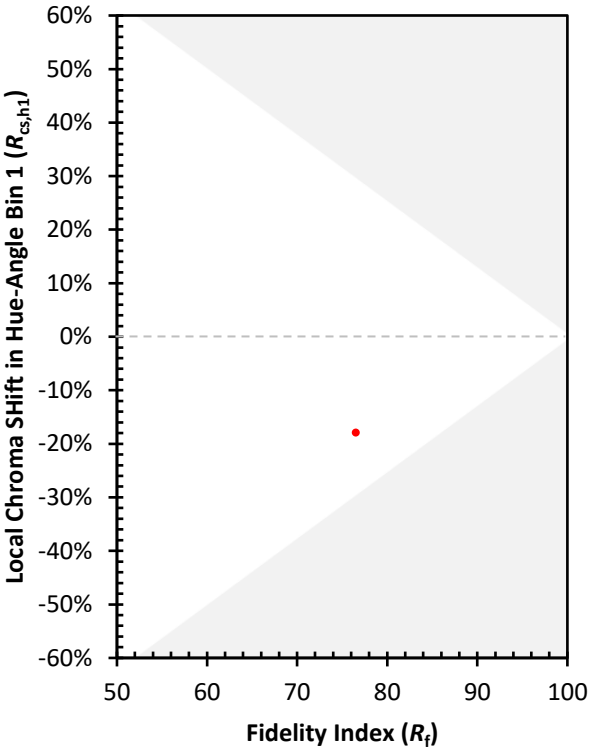
Measure Comparisons





(END OF REPORT)