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: P980966

Luminaire Tested: **NFFLD-C25-7040-66**

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:	P980966
Test Lab:	INNOVATION CENTER(G2)
Issue Date:	04/10/2025
Manufacturer:	COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line:	LUMARK
Catalog Number:	NFFLD-C25-7040-66
Description:	LUMARK NIGHT FALCON MEDIUM SIZE 80W 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:	11665.7 lumens
Efficiency:	N/A
Efficacy:	138.7 lumens/watt
Luminous Opening:	Rectangular (W 1' x L: 0.31' x H: 0')
IES Classification:	Type I - Short
BUG Rating:	B3 - U0 - G1

Input Watts (W):	84.1
Input Voltage (V):	120
Input Current (Ain):	NR
Voltage Rise (V):	NR
Power Factor:	0.99
Total Harmonic Distortion (THDi):	6.59%
Frequency (hertz):	60
Stabilization Time:	NR
Operation Time:	NR
Ambient Temperature (°C):	NR
Test Distance:	28.75 FT

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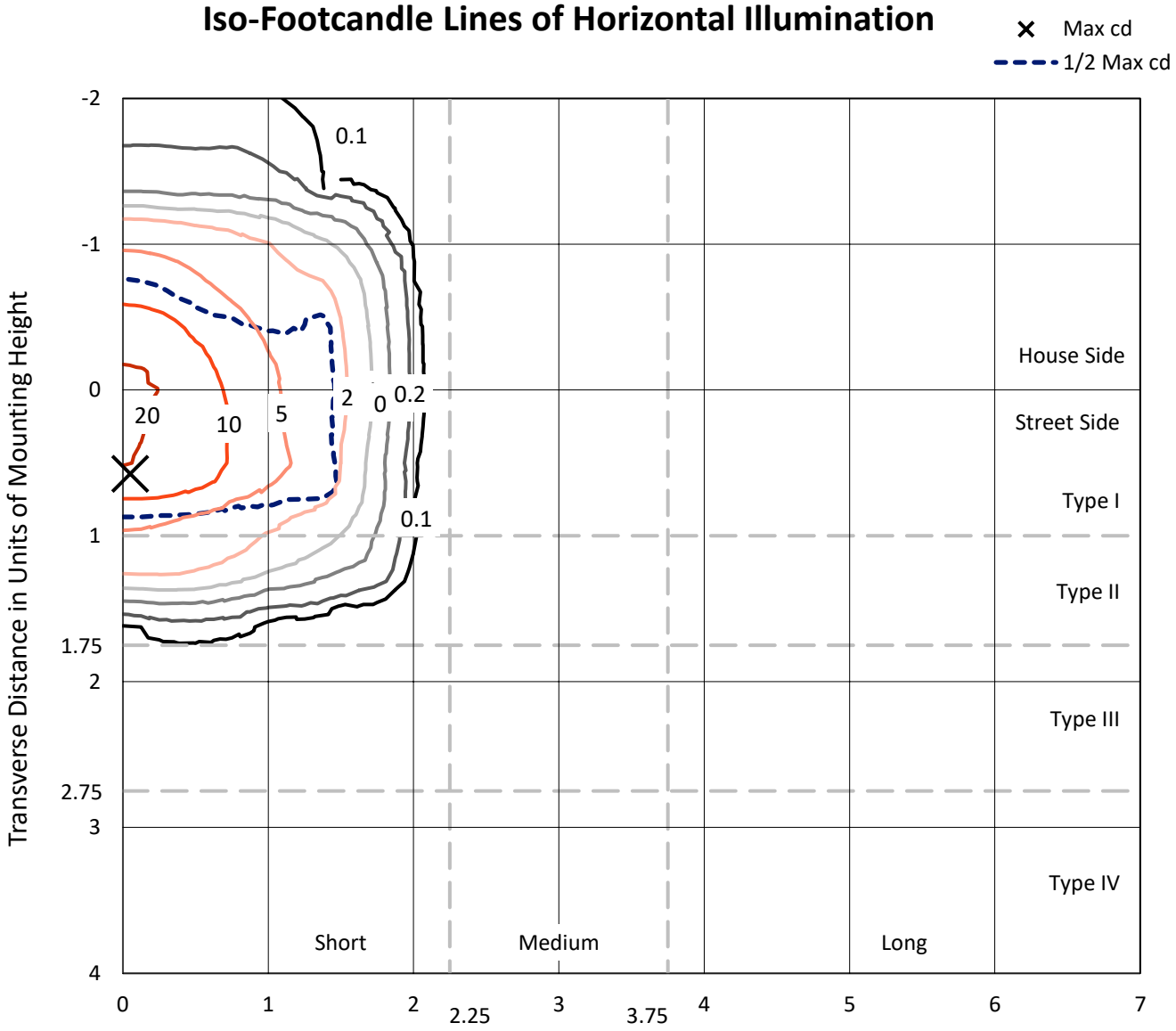
REPORT NUMBER: P980966
CATALOG NUMBER: NFFLD-C25-7040-66

Iso-Footcandle Lines of Horizontal Illumination



Based on 15 foot mounting height. Maximum calculated value = 21.7 fc
Type I - Short - N/A

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REPORT NUMBER: P980966
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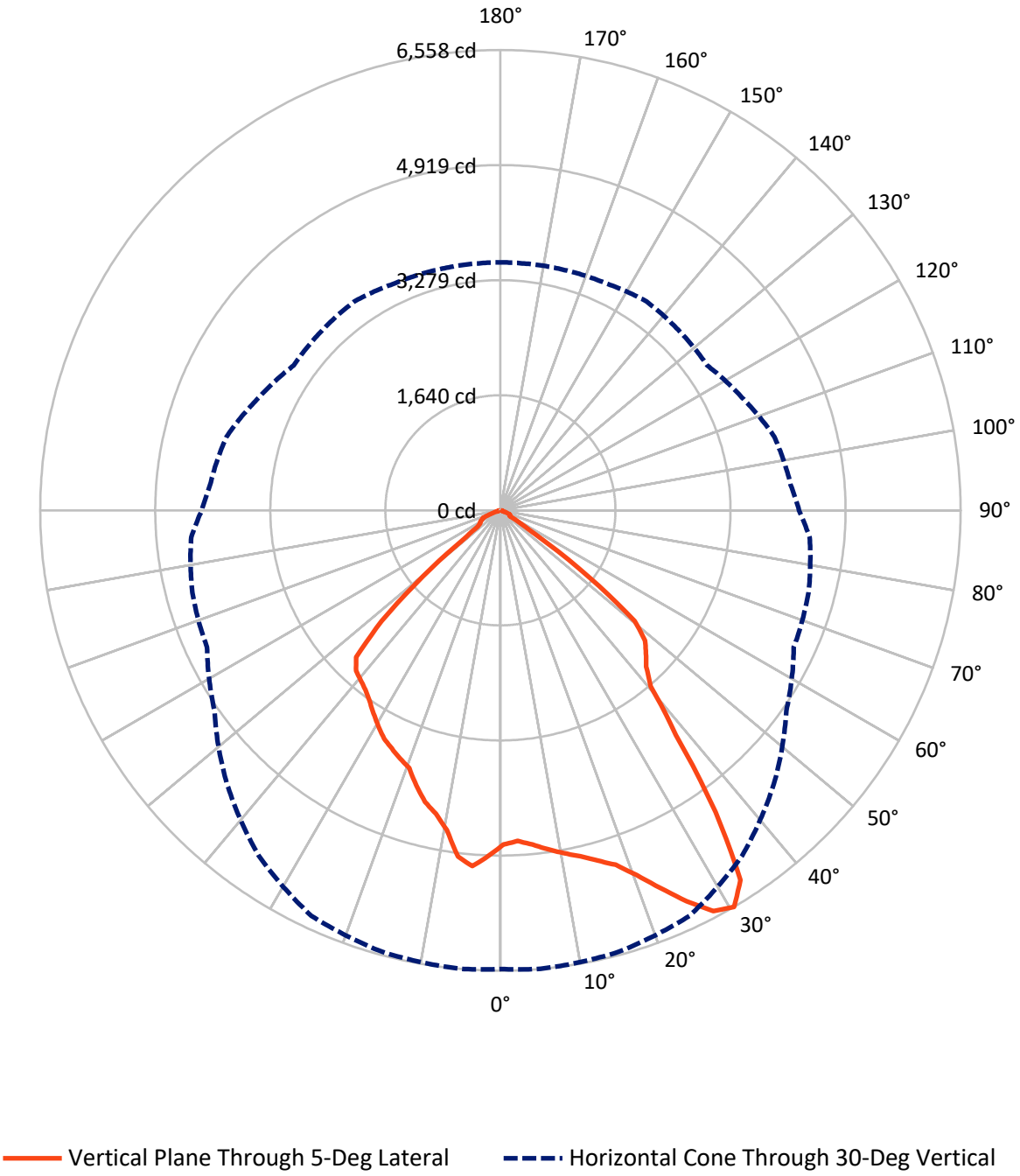
Luminous Intensity Polar Plot



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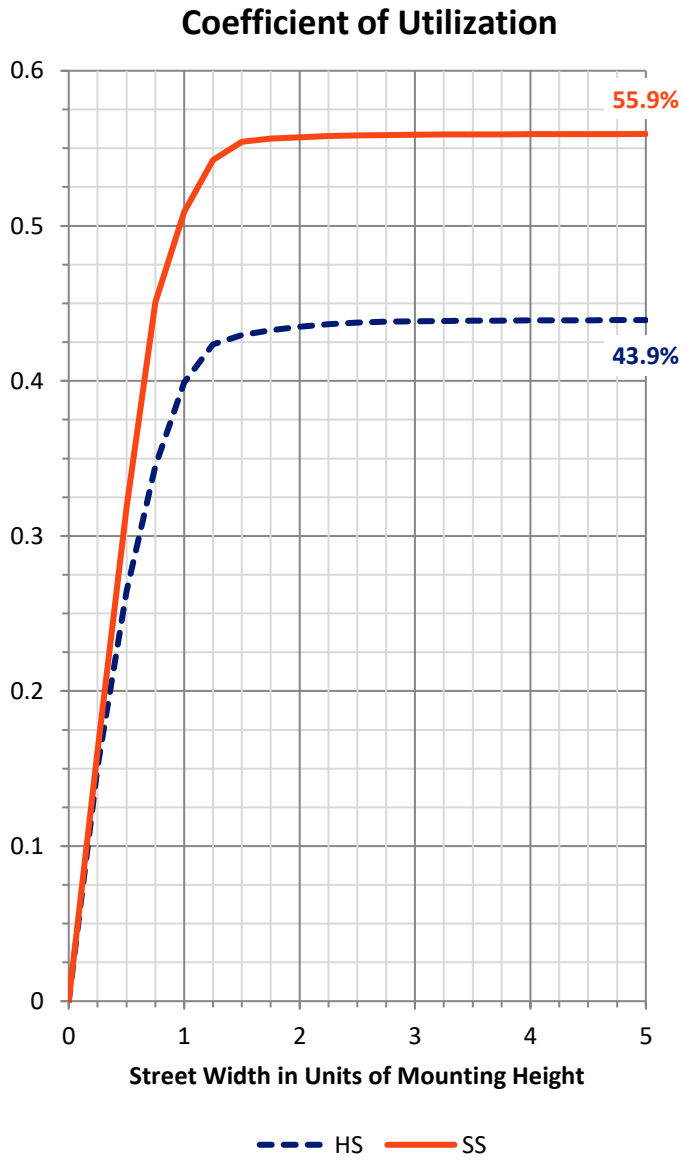
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	5159.6	0.0	5159.6
	% Fixture	44.2	0.0	44.2
Street Side	Lumens	6506.1	0.0	6506.1
	% Fixture	55.8	0.0	55.8
Total	Lumens	11665.7	0.0	11665.7
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	465.8	4.0
10°-20°	1349.3	11.6
20°-30°	2150.3	18.4
30°-40°	2688.2	23.0
40°-50°	2638.0	22.6
50°-60°	1886.0	16.2
60°-70°	417.3	3.6
70°-80°	64.1	0.5
80°-90°	6.8	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°	11665.7	100.0
0°-180°	11665.7	100.0



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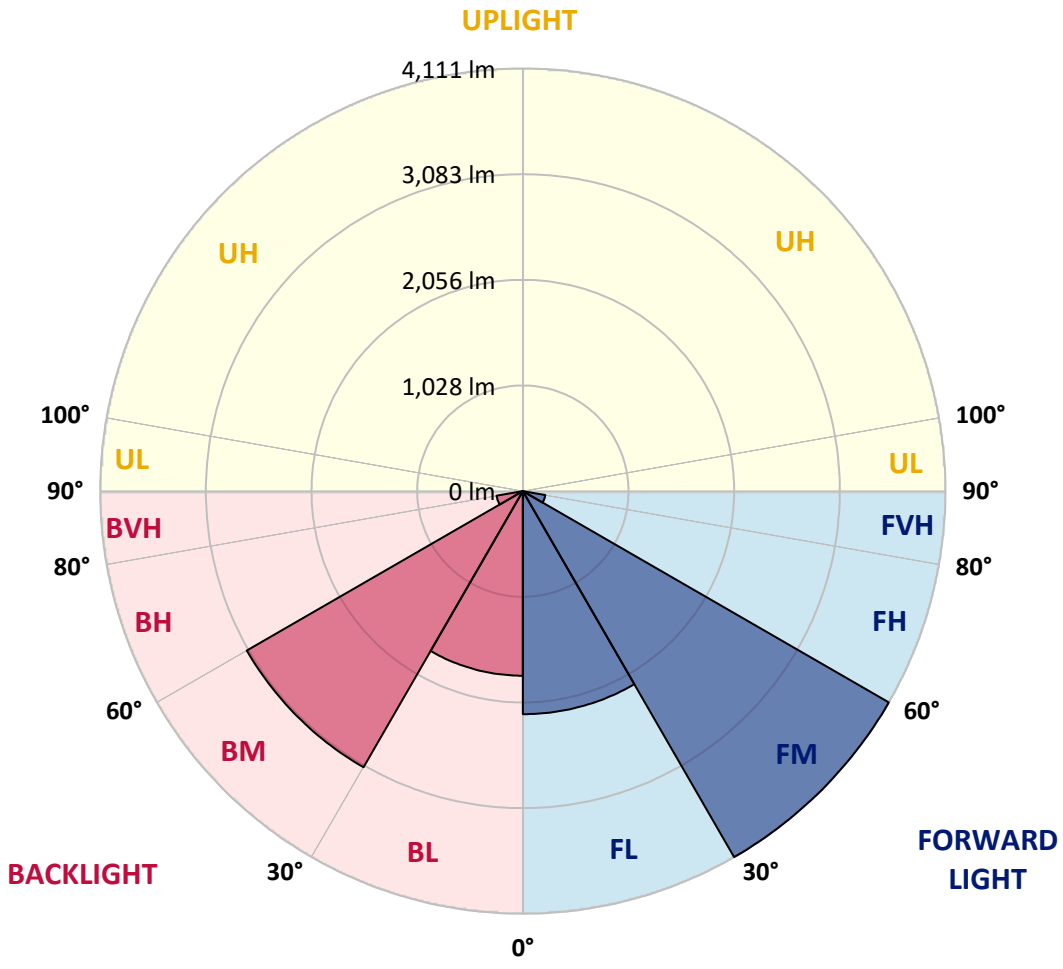
REPORT NUMBER: P980966
CATALOG NUMBER: NFFLD-C25-7040-66

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	2169.7	18.6			
FM	(30°-60°)	4111.0	35.2			
FH	(60°-80°)	221.9	1.9			G0/660
FVH	(80°-90°)	3.4	0.0			G0/10
BL	(0°-30°)	1795.7	15.4	B3/2500		
BM	(30°-60°)	3101.2	26.6	B3/5000		
BH	(60°-80°)	259.4	2.2	B1/500		G1/500
BVH	(80°-90°)	3.3	0.0			G0/10
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G1
Type I Short



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Scaled Data Report

REPORT NUMBER: P980966
CATALOG NUMBER: NFFLD-C25-7040-66

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	4761.6	4761.6	4761.6	4761.6	4761.6	4761.6	4761.6	4761.6	4761.6	4761.6	4761.6
2.5°	4708.3	4715.9	4723.5	4734.9	4750.1	4757.7	4750.1	4742.5	4738.7	4746.3	4750.1
5°	4773.0	4784.4	4788.2	4795.8	4803.4	4795.8	4792.0	4784.4	4780.6	4784.4	4795.8
7.5°	4868.1	4875.7	4871.9	4868.1	4864.3	4837.7	4811.0	4799.6	4799.6	4811.0	4841.5
10°	4951.9	4967.1	4948.1	4932.8	4906.2	4864.3	4818.6	4792.0	4799.6	4822.5	4860.5
12.5°	5058.4	5058.4	5039.4	5024.2	4963.3	4913.8	4852.9	4811.0	4811.0	4852.9	4894.8
15°	5187.8	5176.4	5168.8	5127.0	5054.6	4974.7	4898.6	4837.7	4826.3	4891.0	4917.6
17.5°	5351.5	5309.6	5290.6	5218.3	5119.3	5016.6	4913.8	4864.3	4830.1	4898.6	4868.1
20°	5576.1	5545.6	5484.7	5370.5	5168.8	5035.6	4913.8	4849.1	4822.5	4860.5	4830.1
22.5°	5865.4	5846.3	5709.3	5564.7	5298.2	5050.8	4894.8	4807.2	4799.6	4780.6	4715.9
25°	6219.3	6169.8	6029.0	5823.5	5492.3	5199.3	4891.0	4731.1	4704.5	4655.0	4540.8
27.5°	6520.0	6466.7	6295.5	6112.8	5758.8	5420.0	4921.4	4639.8	4609.3	4575.1	4434.2
30°	6535.2	6558.1	6512.4	6375.4	6006.2	5511.4	4974.7	4613.1	4544.6	4422.8	4255.3
32.5°	6226.9	6280.2	6390.6	6440.1	6192.7	5621.8	5020.4	4624.5	4498.9	4205.8	4068.8
35°	5172.6	5279.2	5732.1	6158.4	6246.0	5781.6	5058.4	4624.5	4483.7	4049.8	3943.2
37.5°	3973.7	4061.2	4445.6	5218.3	6010.0	5880.6	5142.2	4597.9	4464.7	4061.2	3916.6
40°	3246.7	3296.2	3463.6	3988.9	5180.2	5716.9	5225.9	4628.3	4407.6	4068.8	3931.8
42.5°	3048.8	3045.0	3010.7	3204.8	3950.8	5237.3	5283.0	4704.5	4312.4	4019.3	3905.2
45°	2915.5	2907.9	2877.5	2915.5	3124.9	4285.8	5241.1	4841.5	4194.4	3844.3	3768.1
47.5°	2770.9	2774.7	2763.3	2778.5	2740.5	3254.3	5005.2	4898.6	3992.7	3551.2	3524.5
50°	2424.5	2481.6	2633.9	2649.1	2550.2	2626.3	4285.8	4871.9	3848.1	3467.4	3444.6
52.5°	1507.3	1598.6	2047.7	2428.4	2371.3	2371.3	3269.5	4910.0	3589.2	3437.0	3452.2
55°	532.9	601.4	1096.2	1670.9	2123.9	2165.7	2584.4	4369.5	3558.8	3490.3	3505.5
57.5°	133.2	163.7	334.9	723.2	1431.1	1964.0	2310.4	3608.3	2702.4	2607.2	2645.3
60°	156.1	152.2	209.3	232.2	555.7	1552.9	2082.0	2436.0	1743.2	1632.9	1651.9
62.5°	167.5	156.1	163.7	205.5	91.3	761.2	1659.5	1450.2	719.4	532.9	563.3
65°	148.4	140.8	129.4	190.3	64.7	140.8	978.2	426.3	102.8	163.7	148.4
67.5°	99.0	102.8	106.6	152.2	60.9	60.9	129.4	106.6	72.3	148.4	129.4
70°	57.1	60.9	72.3	91.3	60.9	49.5	57.1	87.5	60.9	148.4	129.4
72.5°	34.3	34.3	34.3	38.1	60.9	41.9	38.1	72.3	53.3	137.0	129.4
75°	26.6	26.6	26.6	22.8	53.3	26.6	26.6	57.1	45.7	99.0	99.0
77.5°	22.8	22.8	22.8	19.0	30.4	22.8	22.8	41.9	41.9	49.5	57.1
80°	15.2	15.2	15.2	15.2	19.0	19.0	15.2	22.8	19.0	22.8	26.6
82.5°	7.6	11.4	11.4	7.6	11.4	11.4	11.4	15.2	11.4	15.2	15.2
85°	3.8	3.8	3.8	3.8	3.8	3.8	3.8	7.6	3.8	3.8	7.6
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: P980966
CATALOG NUMBER: NFFLD-C25-7040-66

CANDELA DISTRIBUTION (continued):

	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	4761.6	4761.6	4761.6	4761.6	4761.6	4761.6	4761.6	4761.6	4761.6	4761.6
2.5°	4757.7	4776.8	4803.4	4845.3	4860.5	4887.2	4910.0	4929.0	4929.0	4921.4
5°	4818.6	4871.9	4944.3	5009.0	5031.8	5058.4	5069.9	5088.9	5085.1	5081.3
7.5°	4871.9	4955.7	5031.8	5077.5	5069.9	5035.6	5012.8	4982.3	4970.9	4978.5
10°	4913.8	4989.9	5024.2	4993.7	4902.4	4822.5	4719.7	4651.2	4616.9	4628.3
12.5°	4929.0	4955.7	4925.2	4757.7	4643.6	4567.4	4483.7	4438.0	4419.0	4422.8
15°	4932.8	4871.9	4704.5	4578.9	4495.1	4400.0	4331.5	4289.6	4289.6	4293.4
17.5°	4852.9	4704.5	4559.8	4464.7	4346.7	4247.7	4209.7	4194.4	4099.3	4114.5
20°	4780.6	4567.4	4487.5	4339.1	4198.2	4133.5	3912.8	3889.9	3893.7	3897.5
22.5°	4628.3	4468.5	4396.2	4202.0	4042.2	3863.3	3832.8	3810.0	3813.8	3813.8
25°	4419.0	4327.6	4228.7	4027.0	3832.8	3798.6	3775.7	3745.3	3730.1	3733.9
27.5°	4301.0	4186.8	4004.1	3832.8	3707.2	3722.5	3695.8	3650.1	3650.1	3654.0
30°	*4152.6*	*4042.2*	*3798.6*	*3596.9*	*3608.3*	*3631.1*	*3566.4*	*3543.6*	*3532.2*	*3532.2*
32.5°	3969.9	3817.6	3604.5	3414.2	3482.7	3475.1	3395.1	3402.7	3410.4	3402.7
35°	3832.8	3634.9	3456.0	3353.3	3326.6	3296.2	3254.3	3280.9	3292.4	3284.7
37.5°	3798.6	3562.6	3376.1	3303.8	3201.0	3143.9	3155.3	3182.0	3197.2	3193.4
40°	3787.2	3490.3	3307.6	3231.5	3094.4	3045.0	3060.2	3113.5	3132.5	3128.7
42.5°	3771.9	3440.8	3265.7	3174.4	2984.1	2949.8	3022.1	3071.6	3075.4	3071.6
45°	3692.0	3387.5	3239.1	3056.4	2816.6	2858.5	2949.8	2976.4	2930.8	2911.7
47.5°	3505.5	3288.6	3159.1	2911.7	2679.6	2759.5	2770.9	2481.6	2314.2	2276.1
50°	3452.2	3292.4	3067.8	2740.5	2595.8	2675.8	2177.1	1663.3	1454.0	1412.1
52.5°	3437.0	3254.3	3102.1	2561.6	2565.4	2257.1	1374.0	814.5	654.7	624.2
55°	3475.1	3421.8	3159.1	2455.0	2386.5	1469.2	639.4	384.4	395.8	384.4
57.5°	2622.5	2862.3	3227.7	2287.5	1743.2	708.0	403.5	373.0	346.4	338.8
60°	1636.7	1865.0	2363.6	1967.8	894.5	422.5	411.1	346.4	334.9	331.1
62.5°	540.5	829.8	1355.0	1294.1	247.4	418.7	414.9	308.3	308.3	308.3
65°	137.0	140.8	373.0	445.3	182.7	373.0	395.8	289.3	281.7	293.1
67.5°	118.0	106.6	197.9	175.1	152.2	258.8	346.4	277.9	262.6	262.6
70°	118.0	125.6	194.1	163.7	95.2	140.8	251.2	171.3	152.2	140.8
72.5°	110.4	121.8	171.3	148.4	64.7	68.5	110.4	57.1	53.3	45.7
75°	95.2	99.0	133.2	133.2	68.5	34.3	45.7	38.1	38.1	34.3
77.5°	64.7	49.5	76.1	95.2	49.5	22.8	19.0	19.0	19.0	15.2
80°	34.3	19.0	19.0	15.2	19.0	19.0	11.4	15.2	15.2	11.4
82.5°	19.0	11.4	11.4	7.6	7.6	11.4	7.6	7.6	7.6	7.6
85°	7.6	7.6	3.8	3.8	3.8	7.6	3.8	3.8	3.8	3.8
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.8	3.8
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: SP1-2501-319-13

Test Date: 02/05/2025

Luminaire Tested: NFFLD-C55-7040-66

Data in this report applies to families of products including NFFLD-C55-7040-66

Report Generated By FNC07603 / LDUCLS01DT446
Version: v7.04

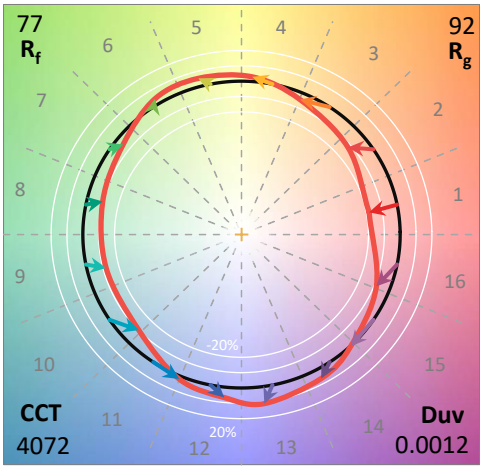
Test Information

Test Method:	LM-79-2019
Report Number:	SP1-2501-319-13
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-C55-7040-66**
Description:	LUMARK NIGHT FALCON 16900LM NEMA 6

Spectral Parameters

CCT (K):	4072	CRI (Ra):	73.2		
CIE u':	0.2232	R1:	68.7	R9:	-38.7
CIE v':	0.5017	R2:	82.1	R10:	58.6
Duv:	0.0012	R3:	92.3	R11:	65.6
CIE x:	0.3781	R4:	69.9	R12:	52.4
CIE y:	0.3777	R5:	69.8	R13:	71.5
CIE z:	0.2442	R6:	75.1	R14:	95.9
Peak Wavelength (nm):	582	R7:	79.8	R15:	60.5
Dominant Wavelength (nm):	578	R8:	47.9		
Purity:	26.82001				

Rf:	76.8
Rg:	91.7



Test Conditions

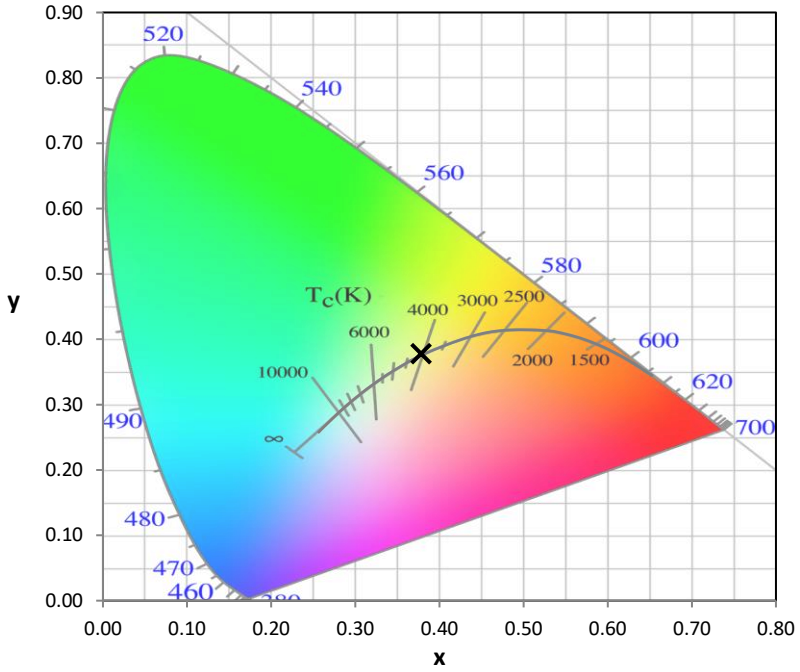
Stabilization Time:	38M
Operation Time:	1H 38M
Sphere Temperature (°C):	25.0

REPORT NUMBER: SP1-2501-319-13

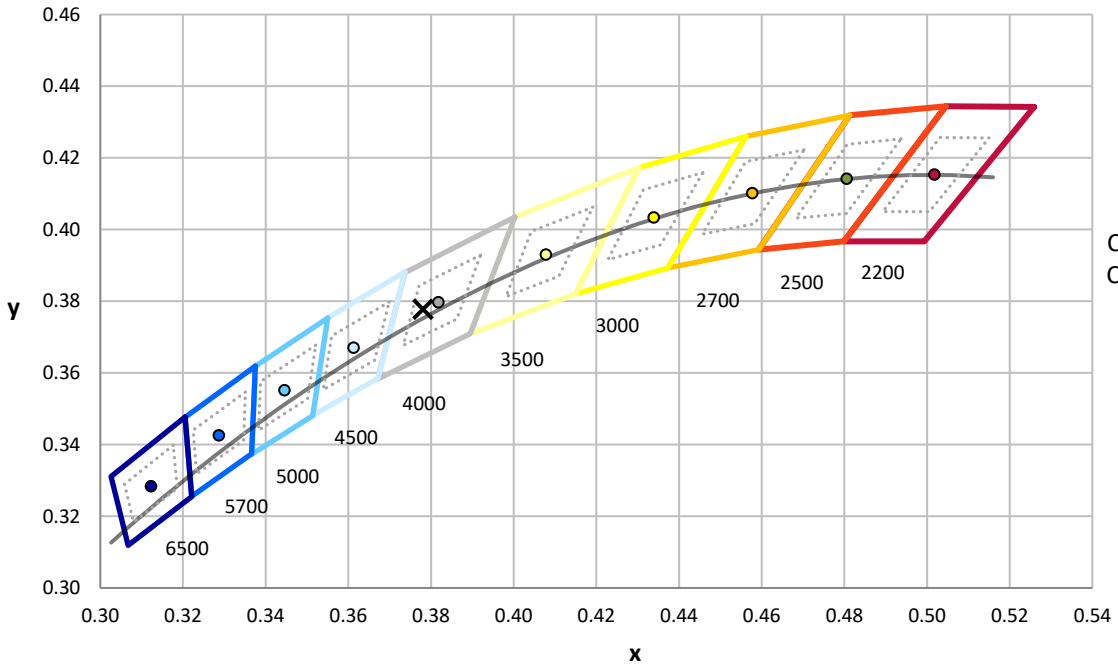
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	12/16/2024	6/16/2025
Power Meter	INXT2011004	1/212025	1/21/2026
AC Power Source	IN0063	10/22/2024	10/22/2025
DC Power Source	IN0208	10/22/2024	10/22/2025
Sphere Thermometer	IN0085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

REPORT NUMBER: SP1-2501-319-13

CIE 1931 Chromaticity Diagram



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

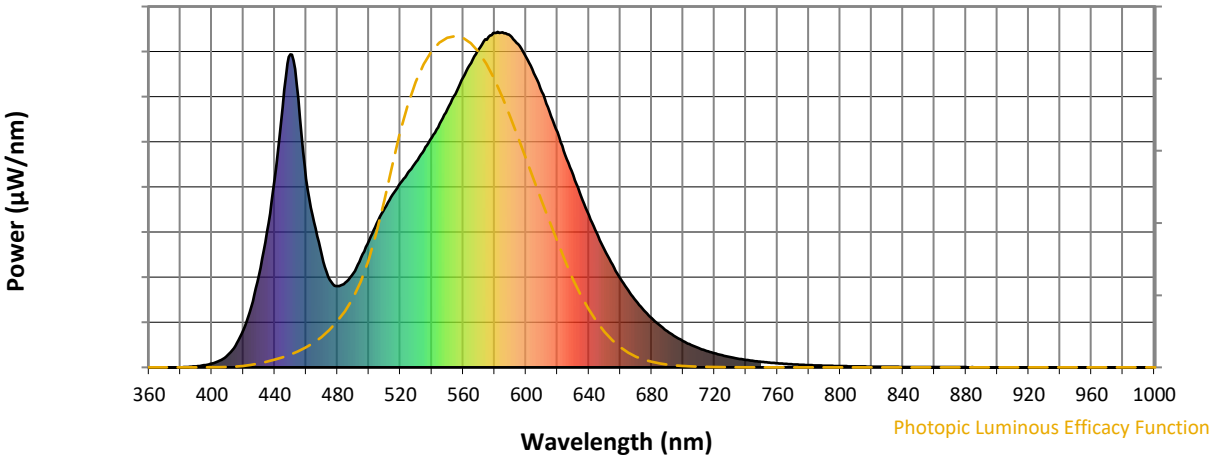


CCT = 4072K
CIE x = 0.3781
CIE y = 0.3777
Duv = 0.0012

Point lies inside the ANSI 4000K 4-step quadrangle

REPORT NUMBER: SP1-2501-319-13

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	280	NR	620	701	NR	750	16	NR	880	1	NR
365	0	NR	495	327	NR	625	633	NR	755	14	NR	885	0	NR
370	0	NR	500	378	NR	630	573	NR	760	12	NR	890	0	NR
375	0	NR	505	429	NR	635	511	NR	765	10	NR	895	0	NR
380	0	NR	510	474	NR	640	454	NR	770	9	NR	900	0	NR
385	1	NR	515	514	NR	645	400	NR	775	8	NR	905	0	NR
390	3	NR	520	549	NR	650	350	NR	780	7	NR	910	0	NR
395	6	NR	525	581	NR	655	306	NR	785	6	NR	915	0	NR
400	11	NR	530	613	NR	660	265	NR	790	5	NR	920	0	NR
405	20	NR	535	647	NR	665	230	NR	795	4	NR	925	0	NR
410	37	NR	540	685	NR	670	198	NR	800	4	NR	930	0	NR
415	65	NR	545	727	NR	675	170	NR	805	3	NR	935	0	NR
420	111	NR	550	770	NR	680	147	NR	810	3	NR	940	0	NR
425	180	NR	555	815	NR	685	126	NR	815	3	NR	945	0	NR
430	275	NR	560	864	NR	690	107	NR	820	2	NR	950	0	NR
435	403	NR	565	907	NR	695	92	NR	825	2	NR	955	0	NR
440	562	NR	570	948	NR	700	78	NR	830	2	NR	960	0	NR
445	775	NR	575	977	NR	705	67	NR	835	2	NR	965	0	NR
450	933	NR	580	997	NR	710	57	NR	840	1	NR	970	0	NR
455	801	NR	585	999	NR	715	49	NR	845	1	NR	975	0	NR
460	562	NR	590	988	NR	720	42	NR	850	1	NR	980	0	NR
465	433	NR	595	963	NR	725	36	NR	855	1	NR	985	0	NR
470	332	NR	600	925	NR	730	31	NR	860	1	NR	990	0	NR
475	261	NR	605	877	NR	735	26	NR	865	1	NR	995	0	NR
480	243	NR	610	822	NR	740	22	NR	870	1	NR	1000	0	NR
485	253	NR	615	762	NR	745	19	NR	875	1	NR			

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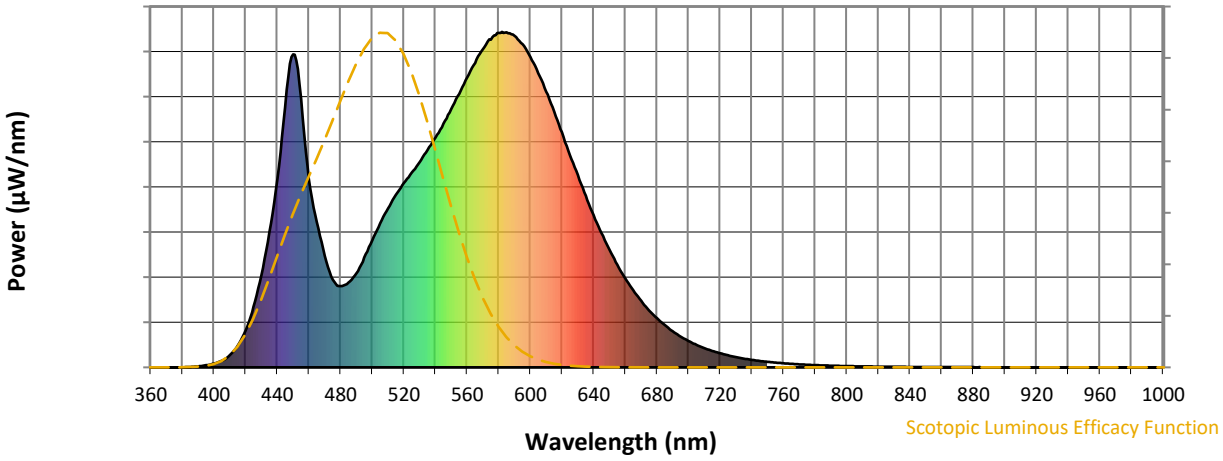
Scotopic Flux vs. Wavelength



Scotopic Lumens: NR **S/P: 1.6**

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	280	NR	620	701	NR	750	16	NR	880	1	NR
365	0	NR	495	327	NR	625	633	NR	755	14	NR	885	0	NR
370	0	NR	500	378	NR	630	573	NR	760	12	NR	890	0	NR
375	0	NR	505	429	NR	635	511	NR	765	10	NR	895	0	NR
380	0	NR	510	474	NR	640	454	NR	770	9	NR	900	0	NR
385	1	NR	515	514	NR	645	400	NR	775	8	NR	905	0	NR
390	3	NR	520	549	NR	650	350	NR	780	7	NR	910	0	NR
395	6	NR	525	581	NR	655	306	NR	785	6	NR	915	0	NR
400	11	NR	530	613	NR	660	265	NR	790	5	NR	920	0	NR
405	20	NR	535	647	NR	665	230	NR	795	4	NR	925	0	NR
410	37	NR	540	685	NR	670	198	NR	800	4	NR	930	0	NR
415	65	NR	545	727	NR	675	170	NR	805	3	NR	935	0	NR
420	111	NR	550	770	NR	680	147	NR	810	3	NR	940	0	NR
425	180	NR	555	815	NR	685	126	NR	815	3	NR	945	0	NR
430	275	NR	560	864	NR	690	107	NR	820	2	NR	950	0	NR
435	403	NR	565	907	NR	695	92	NR	825	2	NR	955	0	NR
440	562	NR	570	948	NR	700	78	NR	830	2	NR	960	0	NR
445	775	NR	575	977	NR	705	67	NR	835	2	NR	965	0	NR
450	933	NR	580	997	NR	710	57	NR	840	1	NR	970	0	NR
455	801	NR	585	999	NR	715	49	NR	845	1	NR	975	0	NR
460	562	NR	590	988	NR	720	42	NR	850	1	NR	980	0	NR
465	433	NR	595	963	NR	725	36	NR	855	1	NR	985	0	NR
470	332	NR	600	925	NR	730	31	NR	860	1	NR	990	0	NR
475	261	NR	605	877	NR	735	26	NR	865	1	NR	995	0	NR
480	243	NR	610	822	NR	740	22	NR	870	1	NR	1000	0	NR
485	253	NR	615	762	NR	745	19	NR	875	1	NR			

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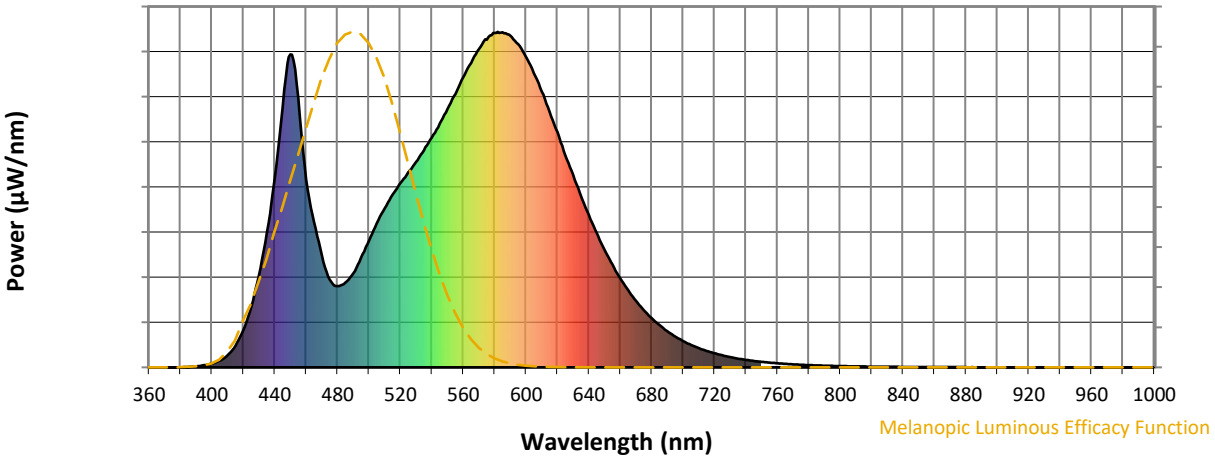
Melanopic Flux vs. Wavelength



Melanopic Lumens: NR **M/P: 3.24**

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	280	NR	620	701	NR	750	16	NR	880	1	NR
365	0	NR	495	327	NR	625	633	NR	755	14	NR	885	0	NR
370	0	NR	500	378	NR	630	573	NR	760	12	NR	890	0	NR
375	0	NR	505	429	NR	635	511	NR	765	10	NR	895	0	NR
380	0	NR	510	474	NR	640	454	NR	770	9	NR	900	0	NR
385	1	NR	515	514	NR	645	400	NR	775	8	NR	905	0	NR
390	3	NR	520	549	NR	650	350	NR	780	7	NR	910	0	NR
395	6	NR	525	581	NR	655	306	NR	785	6	NR	915	0	NR
400	11	NR	530	613	NR	660	265	NR	790	5	NR	920	0	NR
405	20	NR	535	647	NR	665	230	NR	795	4	NR	925	0	NR
410	37	NR	540	685	NR	670	198	NR	800	4	NR	930	0	NR
415	65	NR	545	727	NR	675	170	NR	805	3	NR	935	0	NR
420	111	NR	550	770	NR	680	147	NR	810	3	NR	940	0	NR
425	180	NR	555	815	NR	685	126	NR	815	3	NR	945	0	NR
430	275	NR	560	864	NR	690	107	NR	820	2	NR	950	0	NR
435	403	NR	565	907	NR	695	92	NR	825	2	NR	955	0	NR
440	562	NR	570	948	NR	700	78	NR	830	2	NR	960	0	NR
445	775	NR	575	977	NR	705	67	NR	835	2	NR	965	0	NR
450	933	NR	580	997	NR	710	57	NR	840	1	NR	970	0	NR
455	801	NR	585	999	NR	715	49	NR	845	1	NR	975	0	NR
460	562	NR	590	988	NR	720	42	NR	850	1	NR	980	0	NR
465	433	NR	595	963	NR	725	36	NR	855	1	NR	985	0	NR
470	332	NR	600	925	NR	730	31	NR	860	1	NR	990	0	NR
475	261	NR	605	877	NR	735	26	NR	865	1	NR	995	0	NR
480	243	NR	610	822	NR	740	22	NR	870	1	NR	1000	0	NR
485	253	NR	615	762	NR	745	19	NR	875	1	NR			

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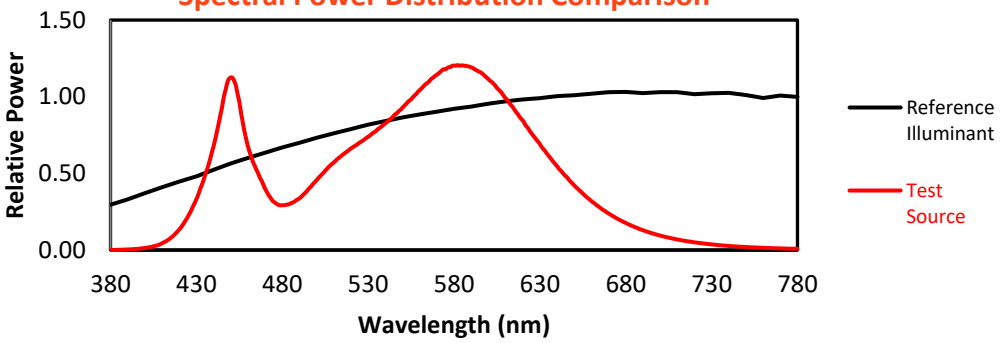
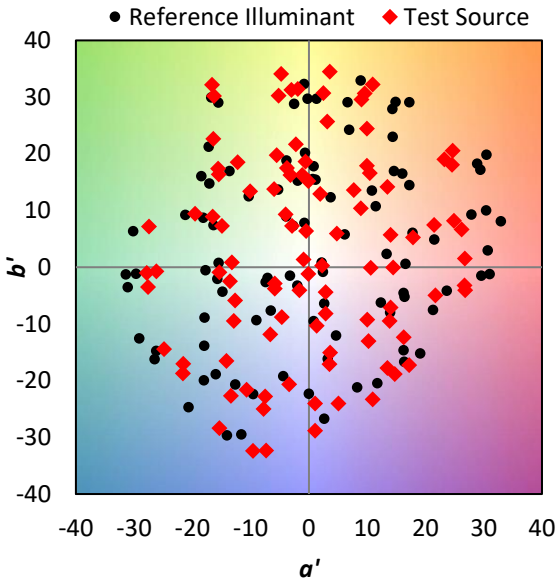
Summary

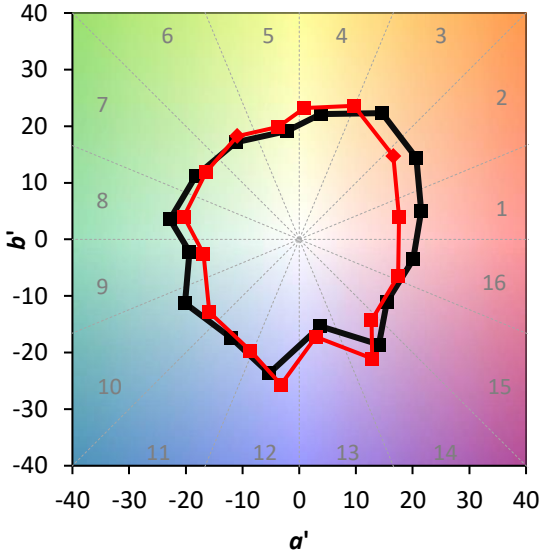
R_f = 76.8
R_g = 91.7
CIE R_a = 73.2
R_9 = -38.7

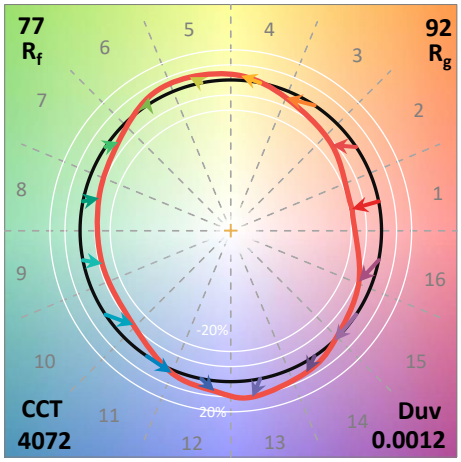
Spectral Power Distribution Comparison

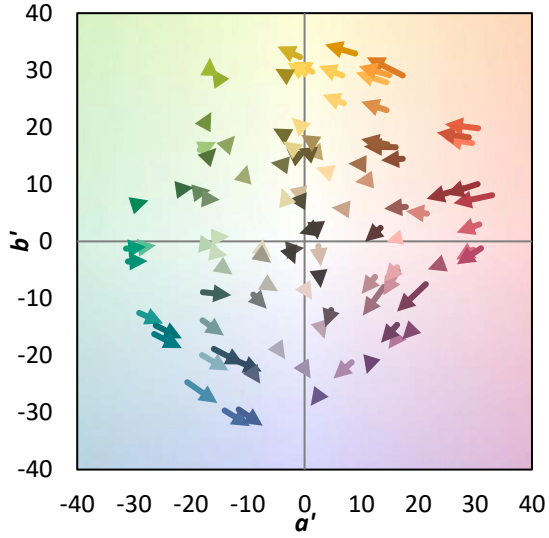


Color Vector Graphics









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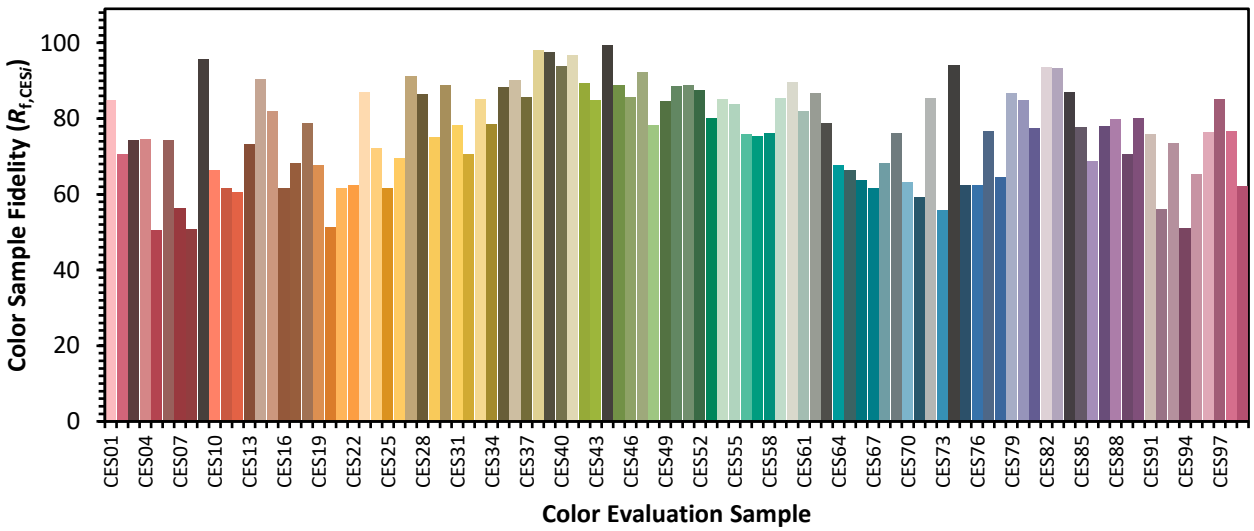
Individual Sample Fidelity Index ($R_{f,i}$)

CES01 = 85	CES26 = 70	CES51 = 89	CES76 = 62
CES02 = 61	CES27 = 91	CES52 = 87	CES77 = 77
CES03 = 30	CES28 = 87	CES53 = 80	CES78 = 65
CES04 = 70	CES29 = 75	CES54 = 85	CES79 = 87
CES05 = 47	CES30 = 89	CES55 = 84	CES80 = 85
CES06 = 50	CES31 = 78	CES56 = 76	CES81 = 77
CES07 = 39	CES32 = 70	CES57 = 75	CES82 = 94
CES08 = 38	CES33 = 85	CES58 = 76	CES83 = 93
CES09 = 29	CES34 = 79	CES59 = 85	CES84 = 87
CES10 = 74	CES35 = 88	CES60 = 90	CES85 = 78
CES11 = 57	CES36 = 90	CES61 = 82	CES86 = 69
CES12 = 63	CES37 = 86	CES62 = 87	CES87 = 78
CES13 = 42	CES38 = 98	CES63 = 79	CES88 = 80
CES14 = 74	CES39 = 98	CES64 = 68	CES89 = 71
CES15 = 71	CES40 = 94	CES65 = 66	CES90 = 80
CES16 = 46	CES41 = 97	CES66 = 64	CES91 = 76
CES17 = 49	CES42 = 89	CES67 = 62	CES92 = 56
CES18 = 56	CES43 = 85	CES68 = 68	CES93 = 73
CES19 = 72	CES44 = 99	CES69 = 76	CES94 = 51
CES20 = 64	CES45 = 89	CES70 = 63	CES95 = 65
CES21 = 86	CES46 = 86	CES71 = 59	CES96 = 76
CES22 = 78	CES47 = 92	CES72 = 85	CES97 = 85
CES23 = 92	CES48 = 78	CES73 = 56	CES98 = 77
CES24 = 91	CES49 = 85	CES74 = 94	CES99 = 62
CES25 = 72	CES50 = 89	CES75 = 62	



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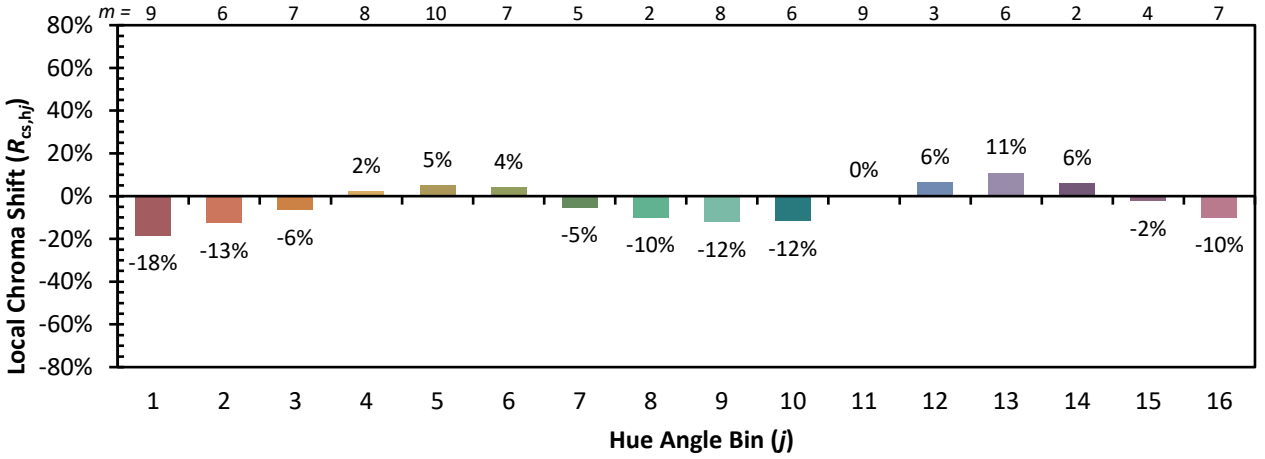
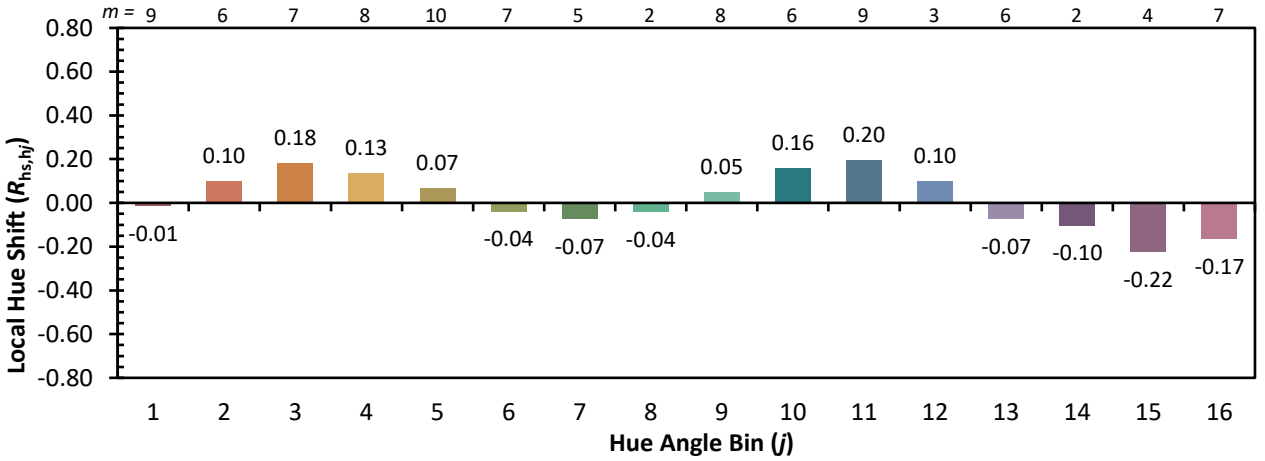
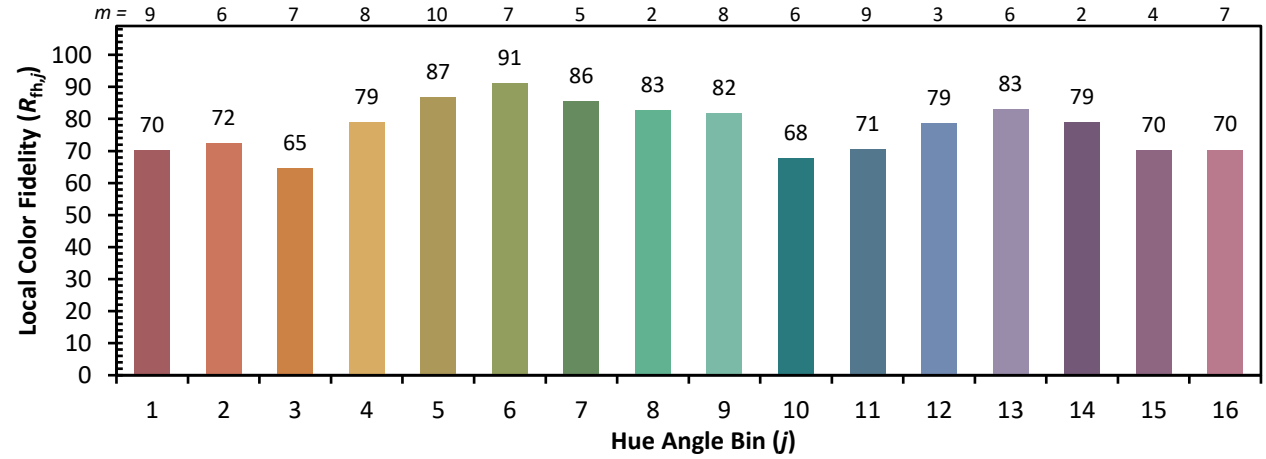
Color Rendition by Hue-Angle Bin







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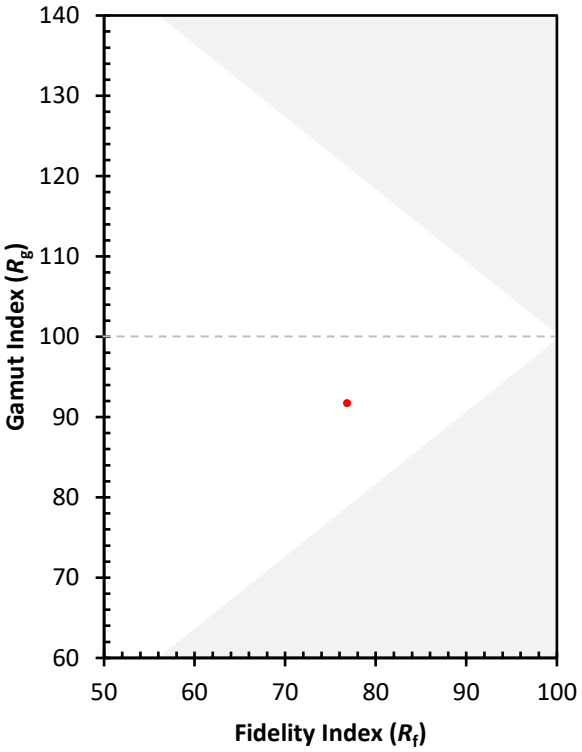
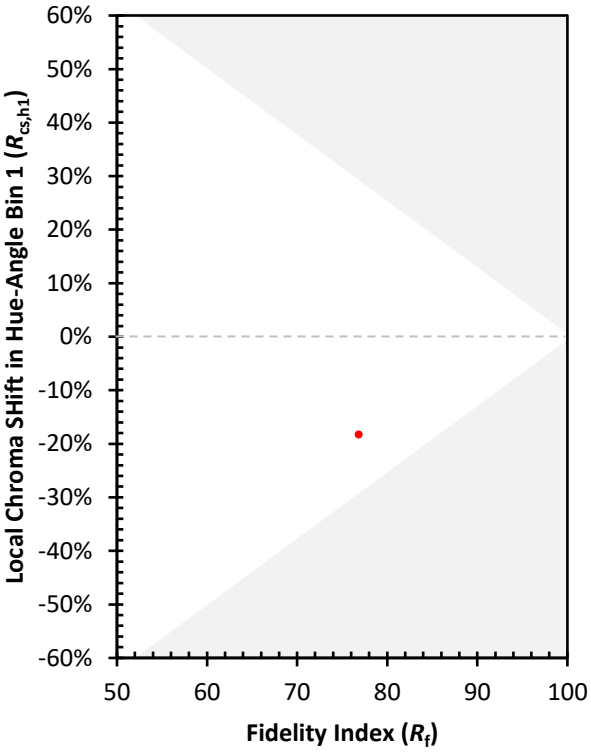
Measure Comparisons





(END OF REPORT)