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: P980933

Luminaire Tested: **NFFLD-C25-7022-66**

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:	P980933
Test Lab:	INNOVATION CENTER(G2)
Issue Date:	04/10/2025
Manufacturer:	COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line:	LUMARK
Catalog Number:	NFFLD-C25-7022-66
Description:	LUMARK NIGHT FALCON MEDIUM SIZE 80W 70CRI 2200K LED FIXTURE NEMA 6
Light Source:	(2) 2200K CCT, 70 CRI LEDS
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	9799.3 lumens
Efficiency:	N/A
Efficacy:	116.5 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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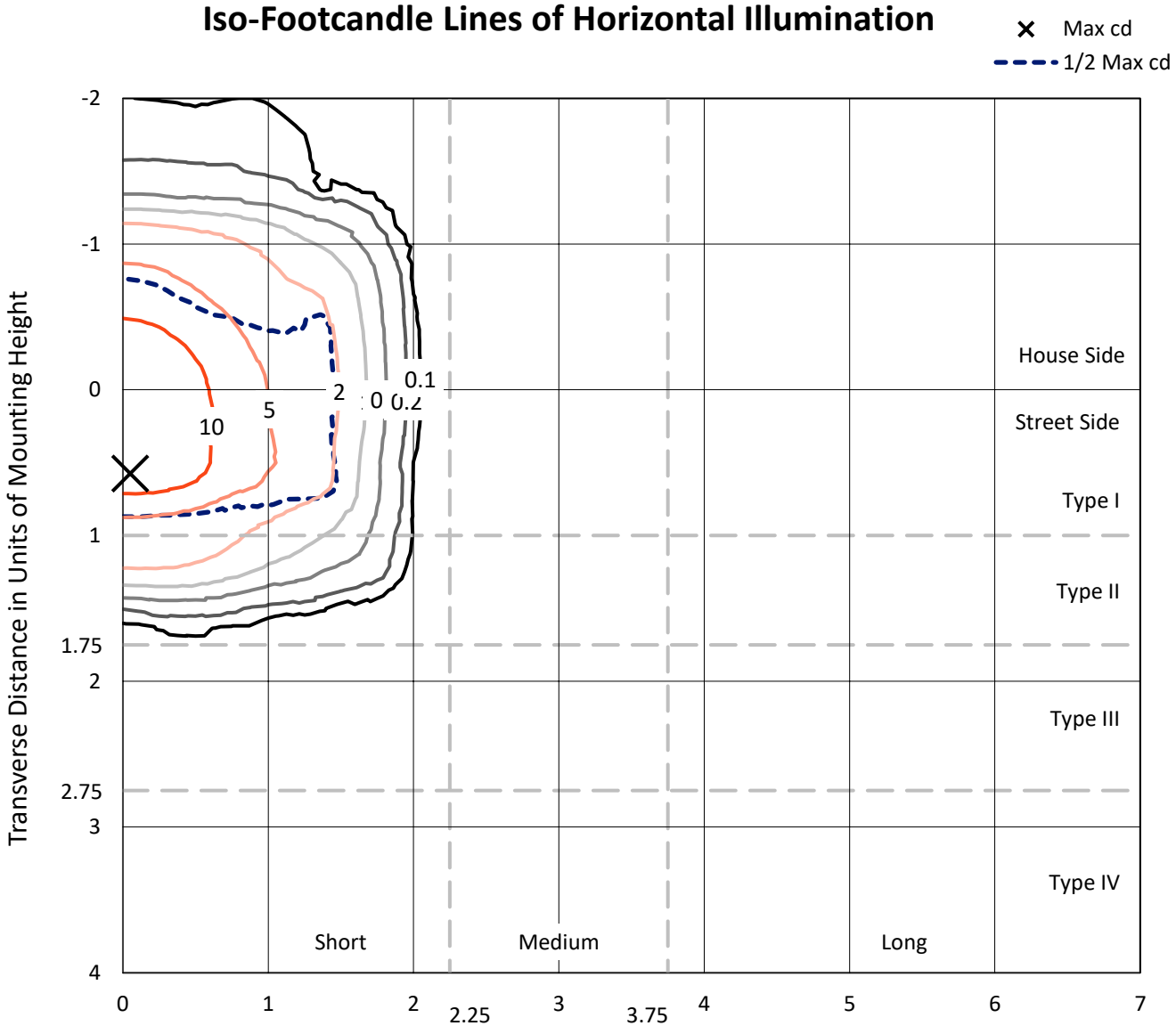
REPORT NUMBER: P980933
CATALOG NUMBER: NFFLD-C25-7022-66

Iso-Footcandle Lines of Horizontal Illumination



Based on 15 foot mounting height. Maximum calculated value = 18.2 fc
Type I - Short - N/A

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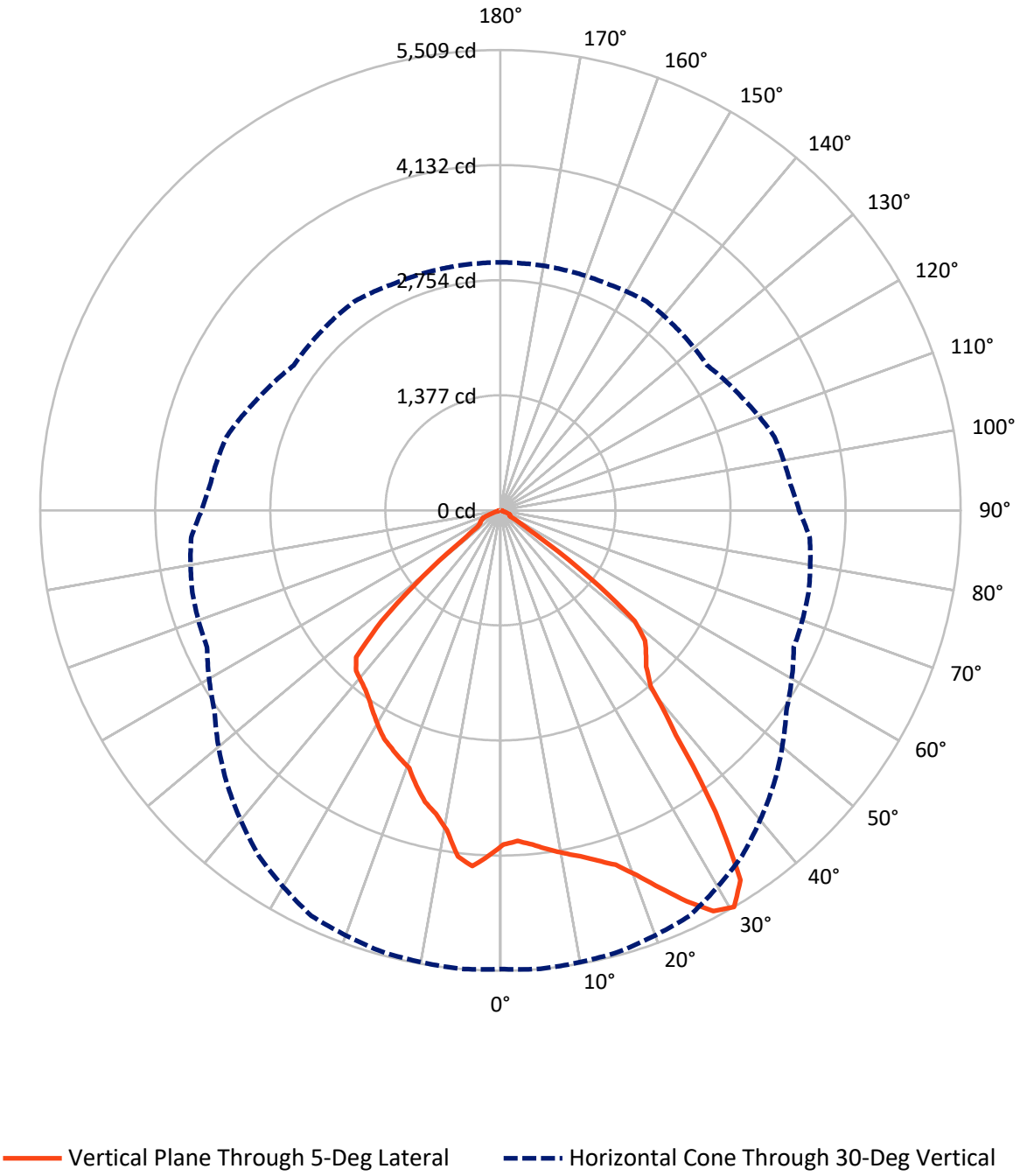
Luminous Intensity Polar Plot



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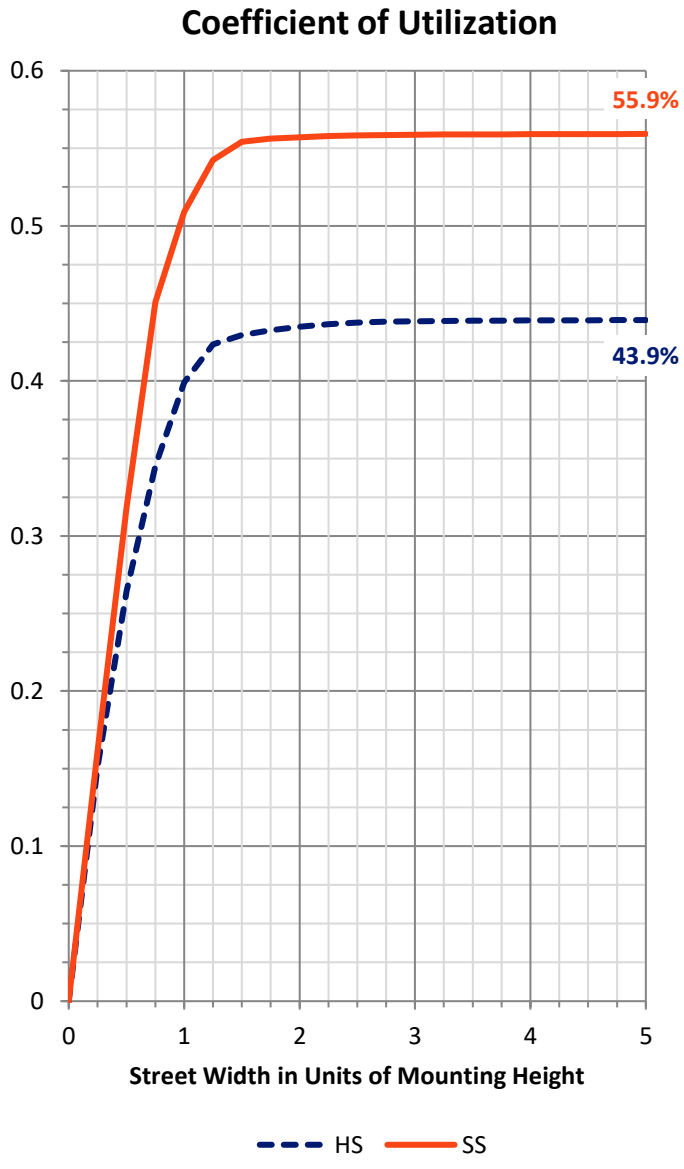
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4334.1	0.0	4334.1
	% Fixture	44.2	0.0	44.2
Street Side	Lumens	5465.1	0.0	5465.1
	% Fixture	55.8	0.0	55.8
Total	Lumens	9799.3	0.0	9799.3
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	391.3	4.0
10°-20°	1133.4	11.6
20°-30°	1806.2	18.4
30°-40°	2258.1	23.0
40°-50°	2215.9	22.6
50°-60°	1584.3	16.2
60°-70°	350.5	3.6
70°-80°	53.9	0.5
80°-90°	5.7	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°	9799.3	100.0
0°-180°	9799.3	100.0



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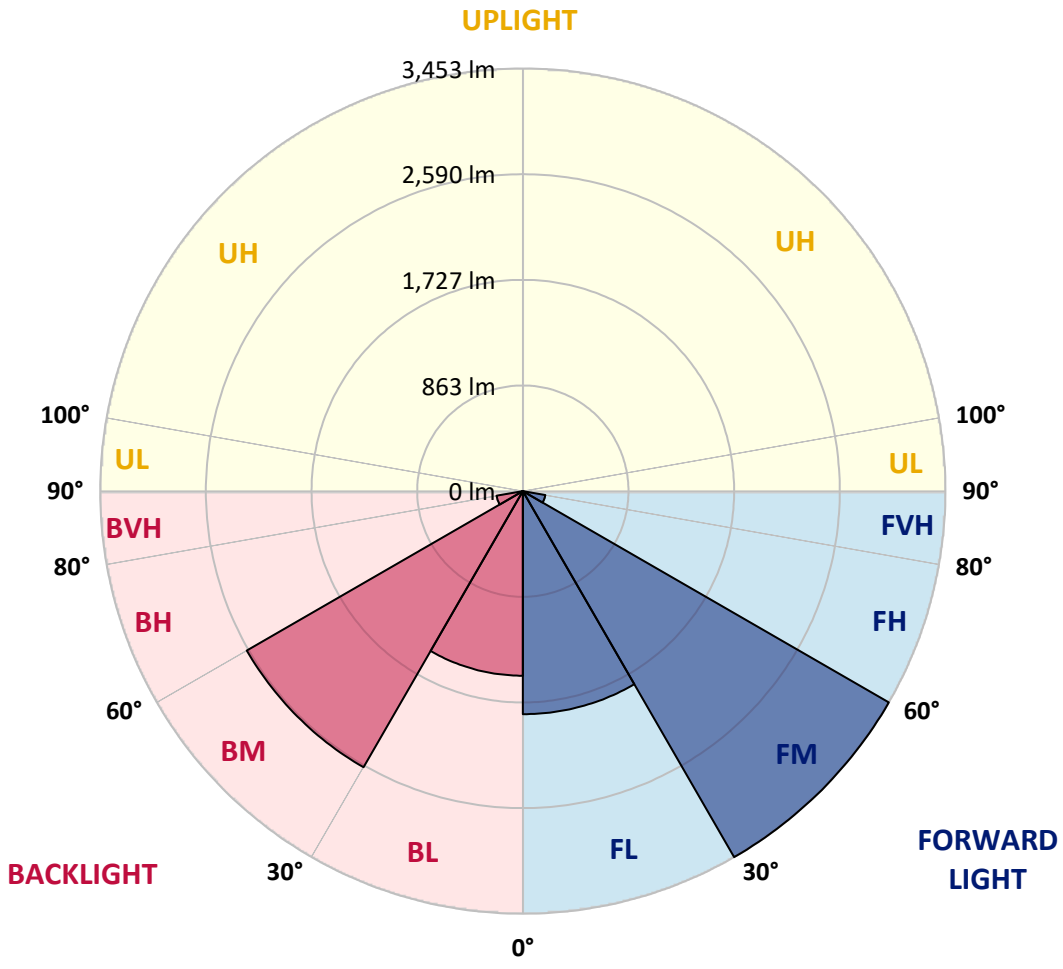
LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	1822.6	18.6			
FM	(30°-60°)	3453.3	35.2			
FH	(60°-80°)	186.4	1.9			G0/660
FVH	(80°-90°)	2.9	0.0			G0/10
BL	(0°-30°)	1508.3	15.4	B3/2500		
BM	(30°-60°)	2605.0	26.6	B3/5000		
BH	(60°-80°)	217.9	2.2	B1/500		G1/500
BVH	(80°-90°)	2.8	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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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	3999.7	3999.7	3999.7	3999.7	3999.7	3999.7	3999.7	3999.7	3999.7	3999.7	3999.7
2.5°	3954.9	3961.3	3967.7	3977.3	3990.1	3996.5	3990.1	3983.7	3980.5	3986.9	3990.1
5°	4009.3	4018.9	4022.1	4028.5	4034.9	4028.5	4025.3	4018.9	4015.7	4018.9	4028.5
7.5°	4089.2	4095.6	4092.4	4089.2	4086.0	4063.7	4041.3	4031.7	4031.7	4041.3	4066.8
10°	4159.6	4172.4	4156.4	4143.6	4121.2	4086.0	4047.7	4025.3	4031.7	4050.9	4082.8
12.5°	4249.1	4249.1	4233.1	4220.3	4169.2	4127.6	4076.4	4041.3	4041.3	4076.4	4111.6
15°	4357.8	4348.2	4341.8	4306.6	4245.9	4178.7	4114.8	4063.7	4054.1	4108.4	4130.8
17.5°	4495.3	4460.1	4444.1	4383.4	4300.2	4213.9	4127.6	4086.0	4057.3	4114.8	4089.2
20°	4683.9	4658.3	4607.2	4511.3	4341.8	4229.9	4127.6	4073.2	4050.9	4082.8	4057.3
22.5°	4926.9	4910.9	4795.8	4674.3	4450.5	4242.7	4111.6	4038.1	4031.7	4015.7	3961.3
25°	5224.2	5182.7	5064.4	4891.7	4613.6	4367.4	4108.4	3974.1	3951.7	3910.2	3814.3
27.5°	5476.8	5432.1	5288.2	5134.7	4837.4	4552.8	4134.0	3897.4	3871.8	3843.0	3724.7
30°	5489.6	5508.8	5470.4	5355.3	5045.2	4629.6	4178.7	3875.0	3817.5	3715.2	3574.5
32.5°	5230.6	5275.4	5368.1	5409.7	5201.9	4722.3	4217.1	3884.6	3779.1	3532.9	3417.8
35°	4345.0	4434.5	4815.0	5173.1	5246.6	4856.6	4249.1	3884.6	3766.3	3401.8	3312.3
37.5°	3337.9	3411.4	3734.3	4383.4	5048.4	4939.7	4319.4	3862.2	3750.3	3411.4	3289.9
40°	2727.2	2768.8	2909.5	3350.7	4351.4	4802.2	4389.8	3887.8	3702.4	3417.8	3302.7
42.5°	2561.0	2557.8	2529.0	2692.0	3318.7	4399.4	4437.7	3951.7	3622.4	3376.3	3280.3
45°	2449.1	2442.7	2417.1	2449.1	2624.9	3600.1	4402.6	4066.8	3523.3	3229.2	3165.2
47.5°	2327.6	2330.8	2321.2	2334.0	2302.0	2733.6	4204.3	4114.8	3353.9	2983.0	2960.6
50°	2036.6	2084.6	2212.5	2225.3	2142.1	2206.1	3600.1	4092.4	3232.4	2912.7	2893.5
52.5°	1266.1	1342.8	1720.1	2039.8	1991.9	1991.9	2746.4	4124.4	3015.0	2887.1	2899.9
55°	447.6	505.2	920.8	1403.6	1784.0	1819.2	2170.9	3670.4	2989.4	2931.8	2944.6
57.5°	111.9	137.5	281.4	607.5	1202.1	1649.8	1940.7	3031.0	2270.0	2190.1	2222.1
60°	131.1	127.9	175.8	195.0	466.8	1304.5	1748.9	2046.2	1464.3	1371.6	1387.6
62.5°	140.7	131.1	137.5	172.6	76.7	639.4	1394.0	1218.1	604.3	447.6	473.2
65°	124.7	118.3	108.7	159.9	54.4	118.3	821.7	358.1	86.3	137.5	124.7
67.5°	83.1	86.3	89.5	127.9	51.2	51.2	108.7	89.5	60.7	124.7	108.7
70°	48.0	51.2	60.7	76.7	51.2	41.6	48.0	73.5	51.2	124.7	108.7
72.5°	28.8	28.8	28.8	32.0	51.2	35.2	32.0	60.7	44.8	115.1	108.7
75°	22.4	22.4	22.4	19.2	44.8	22.4	22.4	48.0	38.4	83.1	83.1
77.5°	19.2	19.2	19.2	16.0	25.6	19.2	19.2	35.2	35.2	41.6	48.0
80°	12.8	12.8	12.8	12.8	16.0	16.0	12.8	19.2	16.0	19.2	22.4
82.5°	6.4	9.6	9.6	6.4	9.6	9.6	9.6	12.8	9.6	12.8	12.8
85°	3.2	3.2	3.2	3.2	3.2	3.2	3.2	6.4	3.2	3.2	6.4
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: P980933
CATALOG NUMBER: NFFLD-C25-7022-66

CANDELA DISTRIBUTION (continued):

	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	3999.7	3999.7	3999.7	3999.7	3999.7	3999.7	3999.7	3999.7	3999.7	3999.7
2.5°	3996.5	4012.5	4034.9	4070.0	4082.8	4105.2	4124.4	4140.4	4140.4	4134.0
5°	4047.7	4092.4	4153.2	4207.5	4226.7	4249.1	4258.7	4274.7	4271.5	4268.3
7.5°	4092.4	4162.8	4226.7	4265.1	4258.7	4229.9	4210.7	4185.1	4175.6	4181.9
10°	4127.6	4191.5	4220.3	4194.7	4118.0	4050.9	3964.5	3907.0	3878.2	3887.8
12.5°	4140.4	4162.8	4137.2	3996.5	3900.6	3836.6	3766.3	3727.9	3712.0	3715.2
15°	4143.6	4092.4	3951.7	3846.2	3775.9	3696.0	3638.4	3603.3	3603.3	3606.4
17.5°	4076.4	3951.7	3830.3	3750.3	3651.2	3568.1	3536.1	3523.3	3443.4	3456.2
20°	4015.7	3836.6	3769.5	3644.8	3526.5	3472.2	3286.7	3267.5	3270.7	3273.9
22.5°	3887.8	3753.5	3692.8	3529.7	3395.4	3245.2	3219.6	3200.4	3203.6	3203.6
25°	3712.0	3635.2	3552.1	3382.6	3219.6	3190.8	3171.6	3146.1	3133.3	3136.5
27.5°	3612.8	3516.9	3363.5	3219.6	3114.1	3126.9	3104.5	3066.1	3066.1	3069.3
30°	*3488.2*	*3395.4*	*3190.8*	*3021.4*	*3031.0*	*3050.1*	*2995.8*	*2976.6*	*2967.0*	*2967.0*
32.5°	3334.7	3206.8	3027.8	2867.9	2925.4	2919.1	2851.9	2858.3	2864.7	2858.3
35°	3219.6	3053.3	2903.1	2816.7	2794.4	2768.8	2733.6	2756.0	2765.6	2759.2
37.5°	3190.8	2992.6	2835.9	2775.2	2688.9	2640.9	2650.5	2672.9	2685.7	2682.5
40°	3181.2	2931.8	2778.4	2714.4	2599.3	2557.8	2570.6	2615.3	2631.3	2628.1
42.5°	3168.4	2890.3	2743.2	2666.5	2506.6	2477.8	2538.6	2580.1	2583.3	2580.1
45°	3101.3	2845.5	2720.8	2567.4	2365.9	2401.1	2477.8	2500.2	2461.8	2445.9
47.5°	2944.6	2762.4	2653.7	2445.9	2250.8	2318.0	2327.6	2084.6	1943.9	1911.9
50°	2899.9	2765.6	2576.9	2302.0	2180.5	2247.6	1828.8	1397.2	1221.3	1186.2
52.5°	2887.1	2733.6	2605.7	2151.7	2154.9	1895.9	1154.2	684.2	549.9	524.3
55°	2919.1	2874.3	2653.7	2062.2	2004.6	1234.1	537.1	322.9	332.5	322.9
57.5°	2202.9	2404.3	2711.2	1921.5	1464.3	594.7	338.9	313.3	290.9	284.6
60°	1374.8	1566.6	1985.5	1653.0	751.3	354.9	345.3	290.9	281.4	278.2
62.5°	454.0	697.0	1138.2	1087.1	207.8	351.7	348.5	259.0	259.0	259.0
65°	115.1	118.3	313.3	374.1	153.5	313.3	332.5	243.0	236.6	246.2
67.5°	99.1	89.5	166.3	147.1	127.9	217.4	290.9	233.4	220.6	220.6
70°	99.1	105.5	163.1	137.5	79.9	118.3	211.0	143.9	127.9	118.3
72.5°	92.7	102.3	143.9	124.7	54.4	57.5	92.7	48.0	44.8	38.4
75°	79.9	83.1	111.9	111.9	57.5	28.8	38.4	32.0	32.0	28.8
77.5°	54.4	41.6	63.9	79.9	41.6	19.2	16.0	16.0	16.0	12.8
80°	28.8	16.0	16.0	12.8	16.0	16.0	9.6	12.8	12.8	9.6
82.5°	16.0	9.6	9.6	6.4	6.4	9.6	6.4	6.4	6.4	6.4
85°	6.4	6.4	3.2	3.2	3.2	6.4	3.2	3.2	3.2	3.2
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.2	3.2
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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LM-79-2019: Approved Method: Electrical and Photometric Measurements of Solid-State Lighting Products

Report Prepared for

Cooper Lighting Solutions

Lumark

Report Number: SP1-2501-319-8

Test Date: 02/05/2025

Luminaire Tested: NFFLD-C55-7022-66

Data in this report applies to families of products including NFFLD-C55-7022-66

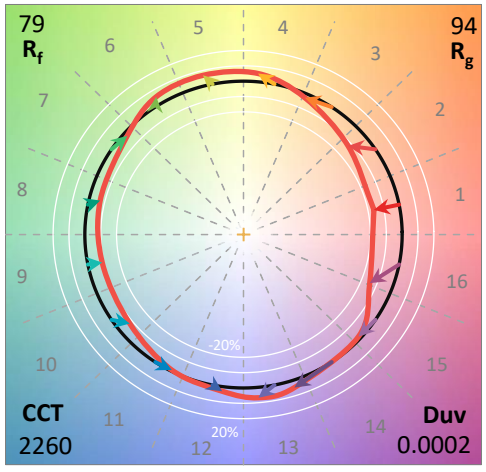
Report Generated By FNC07603 / LDUCLS01DT446
Version: v7.04

Test Information

Test Method:	LM-79-2019
Report Number:	SP1-2501-319-8
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-C55-7022-66**
Description:	LUMARK NIGHT FALCON 16900LM NEMA 6

Spectral Parameters

CCT (K):	2260	CRI (Ra):	72.8		
CIE u':	0.2861	R1:	70.2	R9:	-28.5
CIE v':	0.5354	R2:	88.0	R10:	76.1
Duv:	0.0002	R3:	89.4	R11:	65.3
CIE x:	0.5000	R4:	67.3	R12:	73.8
CIE y:	0.4158	R5:	70.5	R13:	73.9
CIE z:	0.0842	R6:	87.8	R14:	94.5
Peak Wavelength (nm):	604	R7:	71.9	R15:	60.0
Dominant Wavelength (nm):	586	R8:	36.8		
Purity:	74.90898				
Rf:	78.7				
Rg:	93.7				



Test Conditions

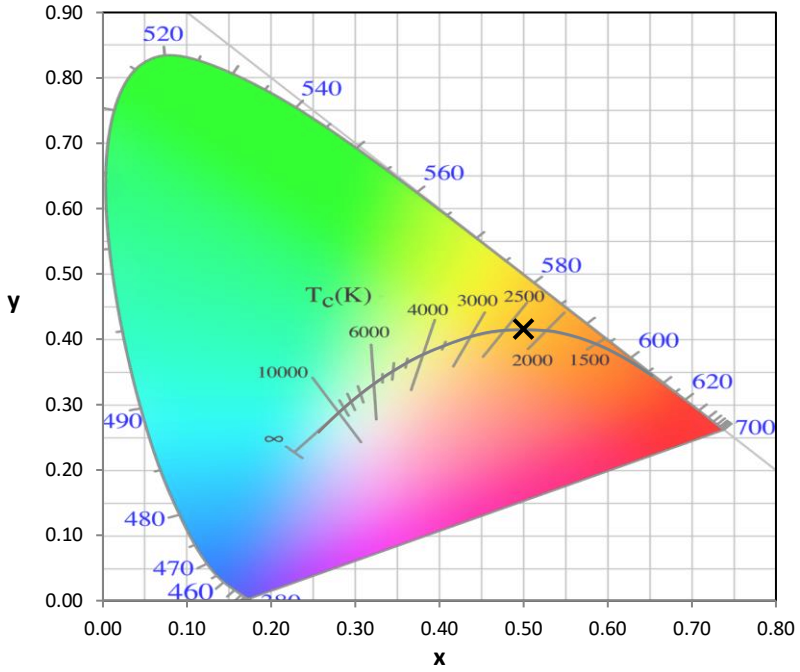
Stabilization Time:	59M
Operation Time:	1H 59M
Sphere Temperature (°C):	25.0

REPORT NUMBER: SP1-2501-319-8

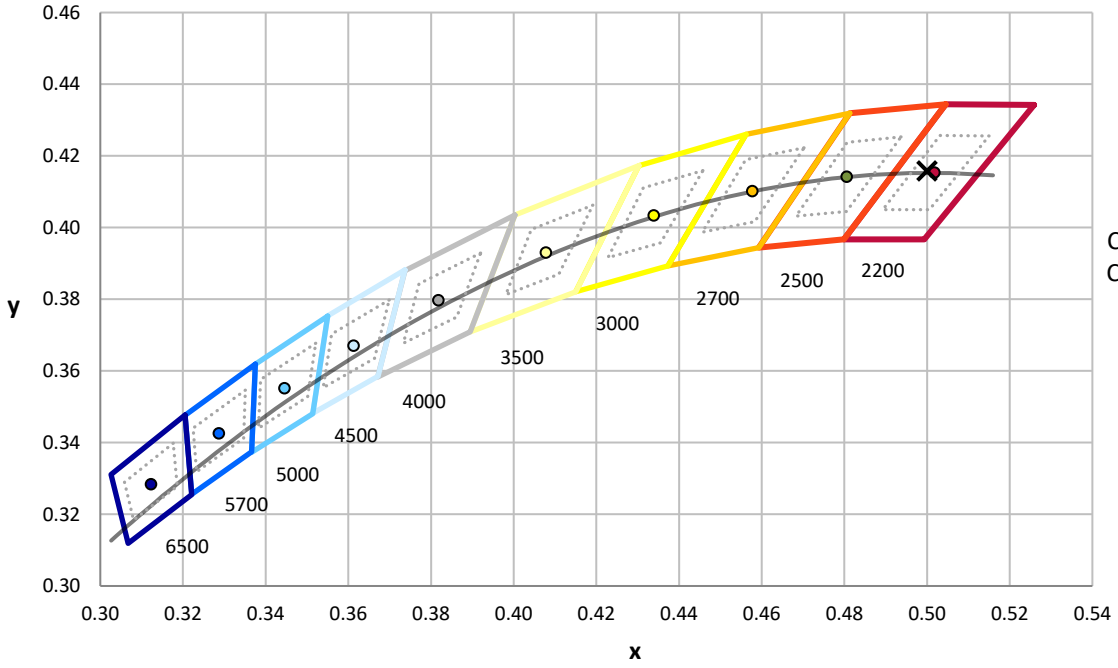
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	12/16/2024	6/16/2025
Power Meter	INXT2011004	1/212025	1/21/2026
AC Power Source	IN0063	10/22/2024	10/22/2025
DC Power Source	IN0208	10/22/2024	10/22/2025
Sphere Thermometer	IN0085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

REPORT NUMBER: SP1-2501-319-8

CIE 1931 Chromaticity Diagram



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

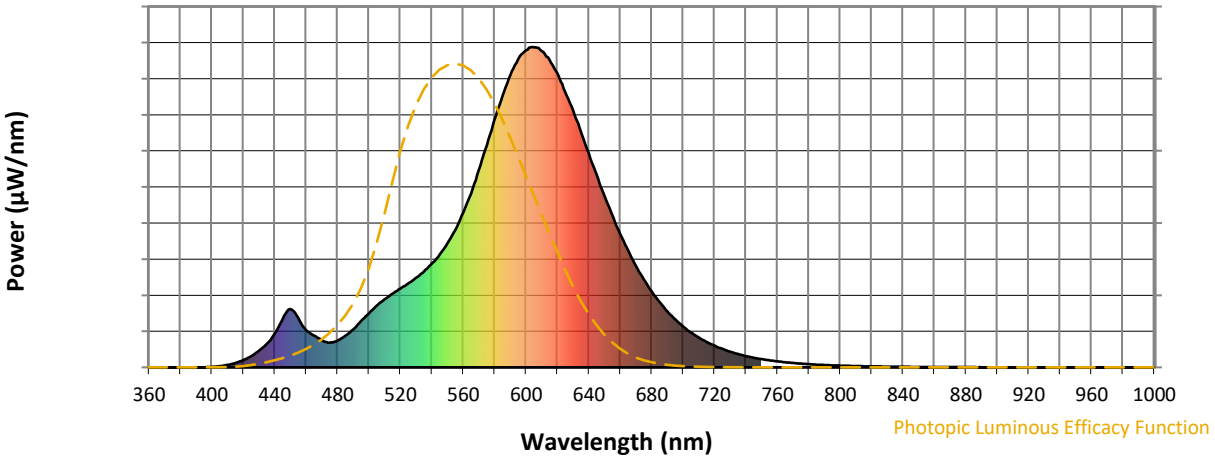


CCT = 2260K
CIE x = 0.5000
CIE y = 0.4158
Duv = 0.0002

Point lies inside the ANSI 2200K 4-step quadrangle

REPORT NUMBER: SP1-2501-319-8

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	118	NR	620	917	NR	750	26	NR	880	1	NR
365	0	NR	495	145	NR	625	859	NR	755	22	NR	885	1	NR
370	0	NR	500	169	NR	630	801	NR	760	19	NR	890	0	NR
375	0	NR	505	193	NR	635	735	NR	765	16	NR	895	0	NR
380	0	NR	510	213	NR	640	667	NR	770	14	NR	900	0	NR
385	0	NR	515	230	NR	645	600	NR	775	12	NR	905	0	NR
390	0	NR	520	246	NR	650	534	NR	780	10	NR	910	0	NR
395	0	NR	525	262	NR	655	473	NR	785	8	NR	915	0	NR
400	2	NR	530	280	NR	660	416	NR	790	7	NR	920	0	NR
405	4	NR	535	299	NR	665	364	NR	795	6	NR	925	0	NR
410	8	NR	540	324	NR	670	316	NR	800	5	NR	930	0	NR
415	14	NR	545	352	NR	675	274	NR	805	5	NR	935	0	NR
420	23	NR	550	388	NR	680	237	NR	810	4	NR	940	0	NR
425	35	NR	555	429	NR	685	204	NR	815	4	NR	945	0	NR
430	52	NR	560	482	NR	690	174	NR	820	3	NR	950	0	NR
435	74	NR	565	543	NR	695	150	NR	825	3	NR	955	0	NR
440	105	NR	570	616	NR	700	128	NR	830	2	NR	960	0	NR
445	151	NR	575	692	NR	705	109	NR	835	2	NR	965	0	NR
450	182	NR	580	773	NR	710	93	NR	840	2	NR	970	0	NR
455	154	NR	585	847	NR	715	79	NR	845	2	NR	975	0	NR
460	116	NR	590	913	NR	720	68	NR	850	1	NR	980	0	NR
465	99	NR	595	962	NR	725	58	NR	855	1	NR	985	0	NR
470	84	NR	600	990	NR	730	49	NR	860	1	NR	990	0	NR
475	77	NR	605	999	NR	735	42	NR	865	1	NR	995	0	NR
480	84	NR	610	986	NR	740	35	NR	870	1	NR	1000	0	NR
485	99	NR	615	960	NR	745	30	NR	875	1	NR			

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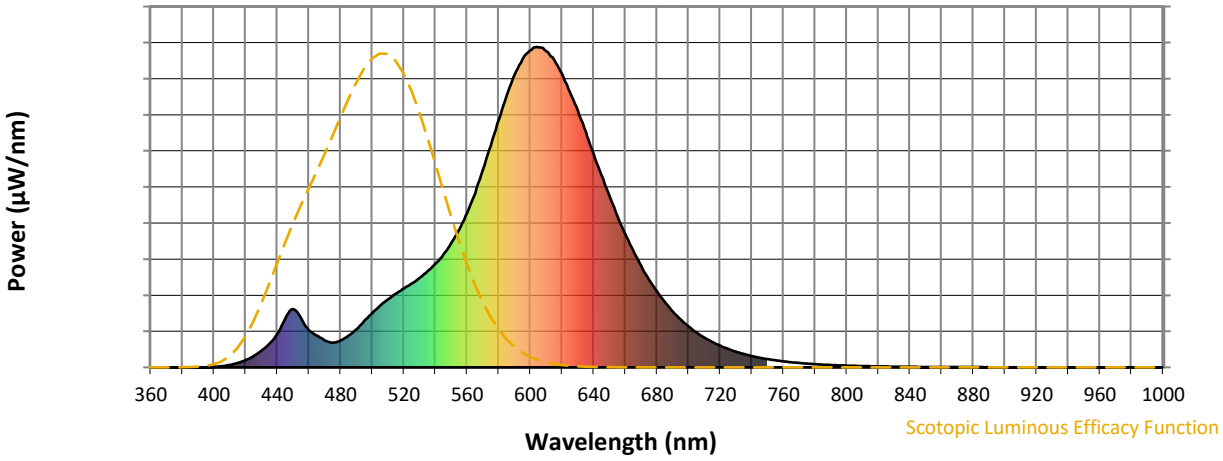
Scotopic Flux vs. Wavelength



Scotopic Lumens: NR **S/P: 0.95**

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	118	NR	620	917	NR	750	26	NR	880	1	NR
365	0	NR	495	145	NR	625	859	NR	755	22	NR	885	1	NR
370	0	NR	500	169	NR	630	801	NR	760	19	NR	890	0	NR
375	0	NR	505	193	NR	635	735	NR	765	16	NR	895	0	NR
380	0	NR	510	213	NR	640	667	NR	770	14	NR	900	0	NR
385	0	NR	515	230	NR	645	600	NR	775	12	NR	905	0	NR
390	0	NR	520	246	NR	650	534	NR	780	10	NR	910	0	NR
395	0	NR	525	262	NR	655	473	NR	785	8	NR	915	0	NR
400	2	NR	530	280	NR	660	416	NR	790	7	NR	920	0	NR
405	4	NR	535	299	NR	665	364	NR	795	6	NR	925	0	NR
410	8	NR	540	324	NR	670	316	NR	800	5	NR	930	0	NR
415	14	NR	545	352	NR	675	274	NR	805	5	NR	935	0	NR
420	23	NR	550	388	NR	680	237	NR	810	4	NR	940	0	NR
425	35	NR	555	429	NR	685	204	NR	815	4	NR	945	0	NR
430	52	NR	560	482	NR	690	174	NR	820	3	NR	950	0	NR
435	74	NR	565	543	NR	695	150	NR	825	3	NR	955	0	NR
440	105	NR	570	616	NR	700	128	NR	830	2	NR	960	0	NR
445	151	NR	575	692	NR	705	109	NR	835	2	NR	965	0	NR
450	182	NR	580	773	NR	710	93	NR	840	2	NR	970	0	NR
455	154	NR	585	847	NR	715	79	NR	845	2	NR	975	0	NR
460	116	NR	590	913	NR	720	68	NR	850	1	NR	980	0	NR
465	99	NR	595	962	NR	725	58	NR	855	1	NR	985	0	NR
470	84	NR	600	990	NR	730	49	NR	860	1	NR	990	0	NR
475	77	NR	605	999	NR	735	42	NR	865	1	NR	995	0	NR
480	84	NR	610	986	NR	740	35	NR	870	1	NR	1000	0	NR
485	99	NR	615	960	NR	745	30	NR	875	1	NR			

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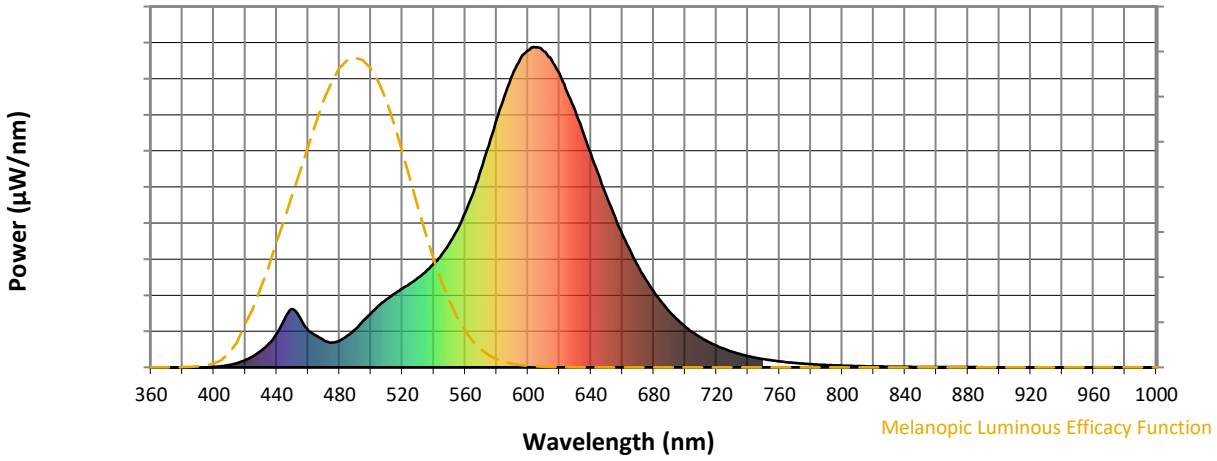
Melanopic Flux vs. Wavelength



Melanopic Lumens: NR **M/P: 1.64**

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	118	NR	620	917	NR	750	26	NR	880	1	NR
365	0	NR	495	145	NR	625	859	NR	755	22	NR	885	1	NR
370	0	NR	500	169	NR	630	801	NR	760	19	NR	890	0	NR
375	0	NR	505	193	NR	635	735	NR	765	16	NR	895	0	NR
380	0	NR	510	213	NR	640	667	NR	770	14	NR	900	0	NR
385	0	NR	515	230	NR	645	600	NR	775	12	NR	905	0	NR
390	0	NR	520	246	NR	650	534	NR	780	10	NR	910	0	NR
395	0	NR	525	262	NR	655	473	NR	785	8	NR	915	0	NR
400	2	NR	530	280	NR	660	416	NR	790	7	NR	920	0	NR
405	4	NR	535	299	NR	665	364	NR	795	6	NR	925	0	NR
410	8	NR	540	324	NR	670	316	NR	800	5	NR	930	0	NR
415	14	NR	545	352	NR	675	274	NR	805	5	NR	935	0	NR
420	23	NR	550	388	NR	680	237	NR	810	4	NR	940	0	NR
425	35	NR	555	429	NR	685	204	NR	815	4	NR	945	0	NR
430	52	NR	560	482	NR	690	174	NR	820	3	NR	950	0	NR
435	74	NR	565	543	NR	695	150	NR	825	3	NR	955	0	NR
440	105	NR	570	616	NR	700	128	NR	830	2	NR	960	0	NR
445	151	NR	575	692	NR	705	109	NR	835	2	NR	965	0	NR
450	182	NR	580	773	NR	710	93	NR	840	2	NR	970	0	NR
455	154	NR	585	847	NR	715	79	NR	845	2	NR	975	0	NR
460	116	NR	590	913	NR	720	68	NR	850	1	NR	980	0	NR
465	99	NR	595	962	NR	725	58	NR	855	1	NR	985	0	NR
470	84	NR	600	990	NR	730	49	NR	860	1	NR	990	0	NR
475	77	NR	605	999	NR	735	42	NR	865	1	NR	995	0	NR
480	84	NR	610	986	NR	740	35	NR	870	1	NR	1000	0	NR
485	99	NR	615	960	NR	745	30	NR	875	1	NR			

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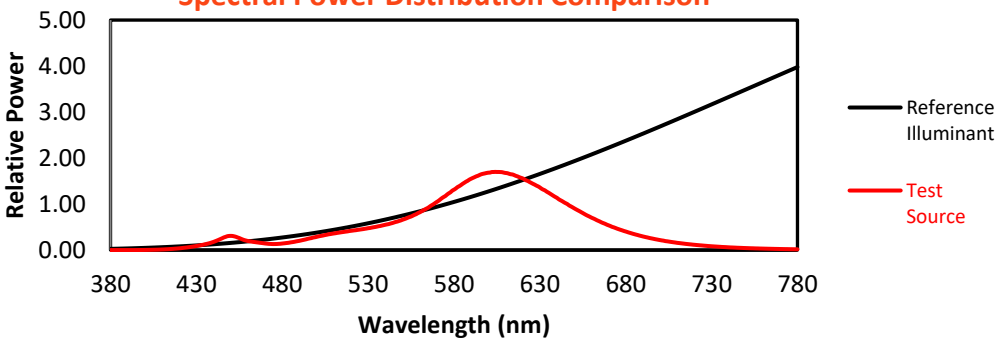
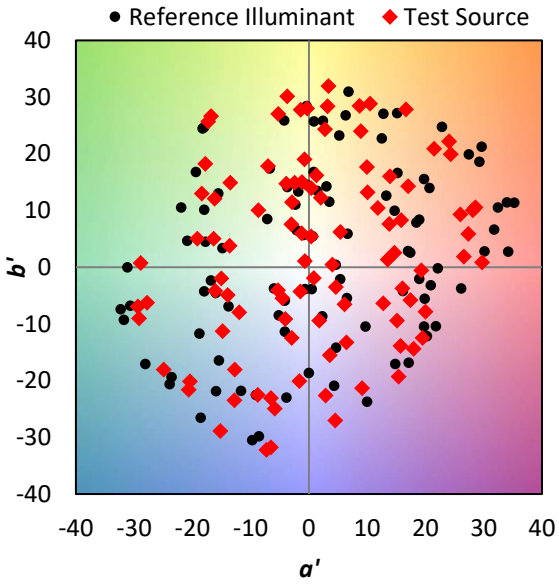
Summary

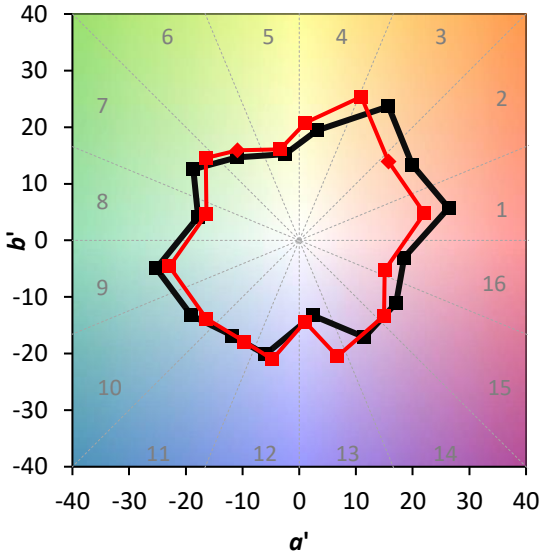
R_f = 78.7
R_g = 93.7
CIE R_a = 72.8
R_9 = -28.5

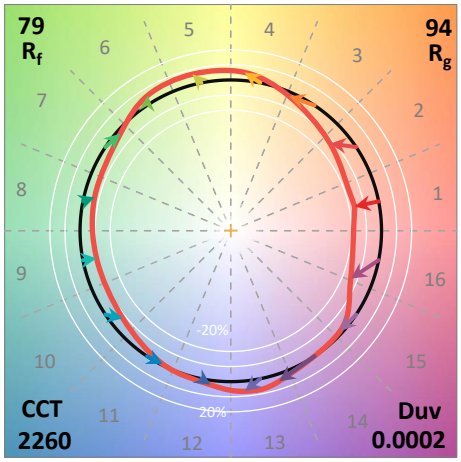
Spectral Power Distribution Comparison

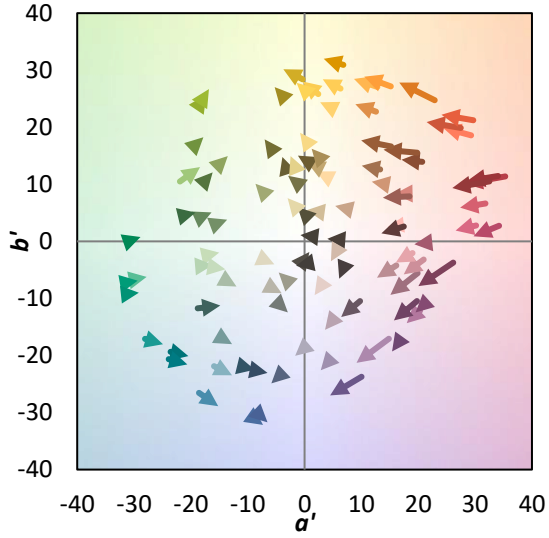


Color Vector Graphics









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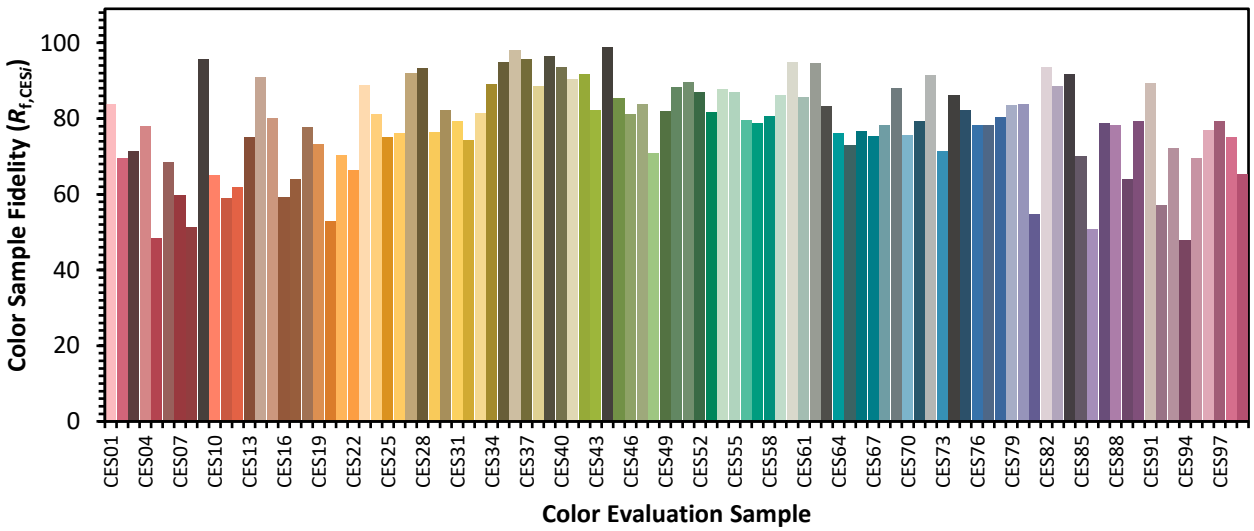
Individual Sample Fidelity Index ($R_{f,i}$)

CES01 = 87	CES26 = 76	CES51 = 90	CES76 = 78
CES02 = 65	CES27 = 92	CES52 = 87	CES77 = 78
CES03 = 32	CES28 = 93	CES53 = 82	CES78 = 80
CES04 = 72	CES29 = 77	CES54 = 88	CES79 = 84
CES05 = 51	CES30 = 82	CES55 = 87	CES80 = 84
CES06 = 52	CES31 = 79	CES56 = 80	CES81 = 55
CES07 = 44	CES32 = 74	CES57 = 79	CES82 = 94
CES08 = 42	CES33 = 81	CES58 = 81	CES83 = 88
CES09 = 29	CES34 = 89	CES59 = 86	CES84 = 92
CES10 = 79	CES35 = 95	CES60 = 95	CES85 = 70
CES11 = 61	CES36 = 98	CES61 = 86	CES86 = 51
CES12 = 68	CES37 = 96	CES62 = 95	CES87 = 79
CES13 = 45	CES38 = 89	CES63 = 83	CES88 = 78
CES14 = 75	CES39 = 96	CES64 = 76	CES89 = 64
CES15 = 72	CES40 = 94	CES65 = 73	CES90 = 79
CES16 = 48	CES41 = 91	CES66 = 77	CES91 = 89
CES17 = 51	CES42 = 92	CES67 = 75	CES92 = 57
CES18 = 57	CES43 = 82	CES68 = 78	CES93 = 72
CES19 = 74	CES44 = 99	CES69 = 88	CES94 = 48
CES20 = 68	CES45 = 85	CES70 = 76	CES95 = 70
CES21 = 88	CES46 = 81	CES71 = 79	CES96 = 77
CES22 = 81	CES47 = 84	CES72 = 91	CES97 = 79
CES23 = 92	CES48 = 71	CES73 = 71	CES98 = 75
CES24 = 92	CES49 = 82	CES74 = 86	CES99 = 65
CES25 = 73	CES50 = 88	CES75 = 82	



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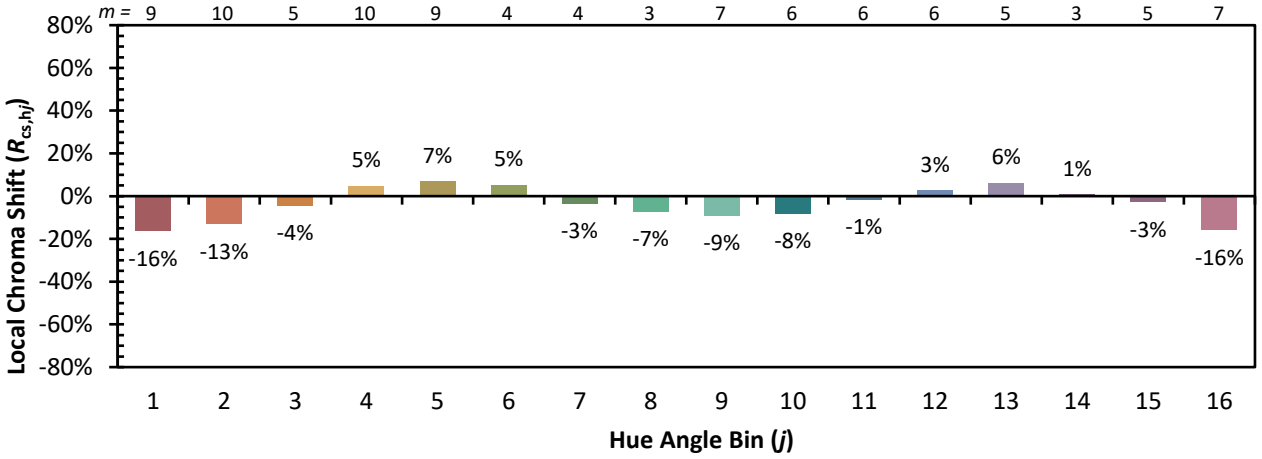
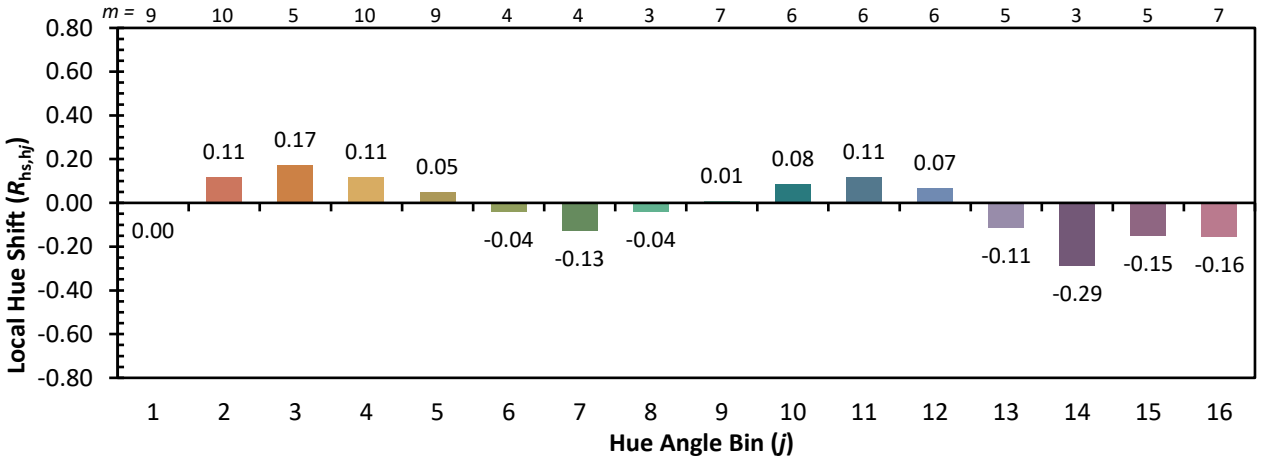
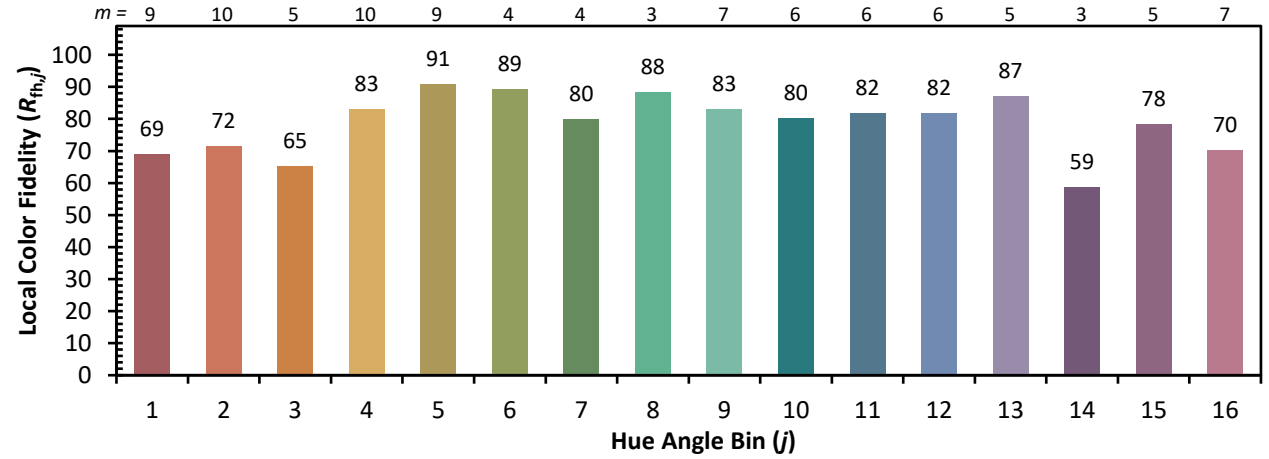
Color Rendition by Hue-Angle Bin







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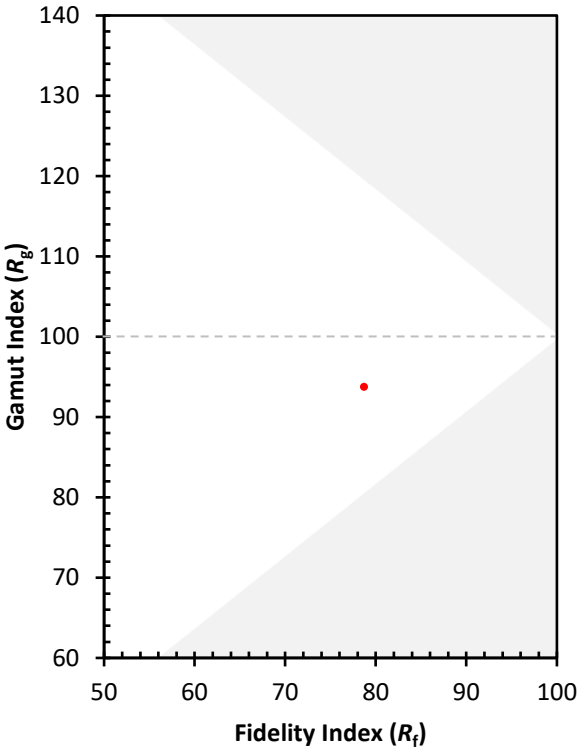
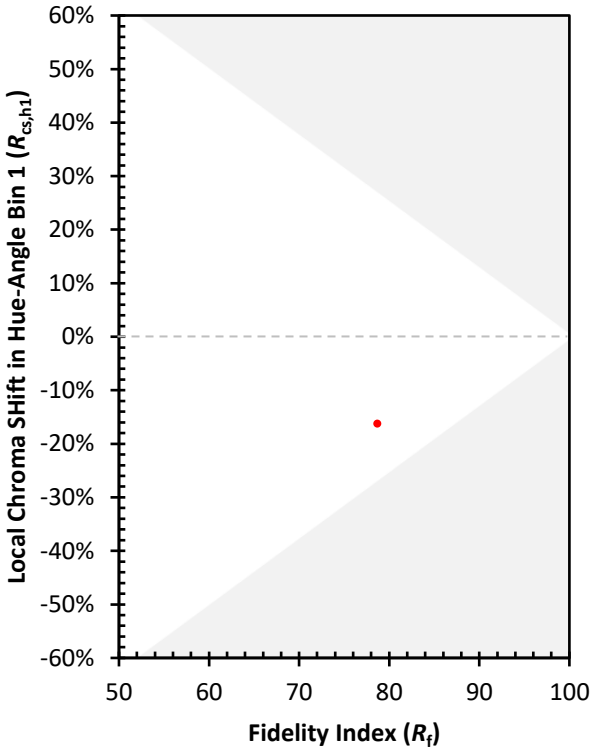
Measure Comparisons





(END OF REPORT)