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: P980954

Luminaire Tested: **NFFLD-S-C15-7030-66**

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:	P980954
Test Lab:	INNOVATION CENTER(G2)
Issue Date:	04/10/2025
Manufacturer:	COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line:	LUMARK
Catalog Number:	NFFLD-S-C15-7030-66
Description:	LUMARK NIGHT FALCON SMALL SIZE 50W 70CRI 3000K LED FIXTURE NEMA 6
Light Source:	(1) 3000K CCT, 70 CRI LEDS
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	6487.4 lumens
Efficiency:	N/A
Efficacy:	126.7 lumens/watt
Luminous Opening:	Rectangular (W 0.42' x L: 0.31' x H: 0')
IES Classification:	Type I - Short
BUG Rating:	B2 - U0 - G1

Input Watts (W):	51.2
Input Voltage (V):	120
Input Current (Ain):	NR
Voltage Rise (V):	NR
Power Factor:	0.99
Total Harmonic Distortion (THDi):	8.18%
Frequency (hertz):	60
Stabilization Time:	NR
Operation Time:	NR
Ambient Temperature (°C):	NR
Test Distance:	28.75 FT

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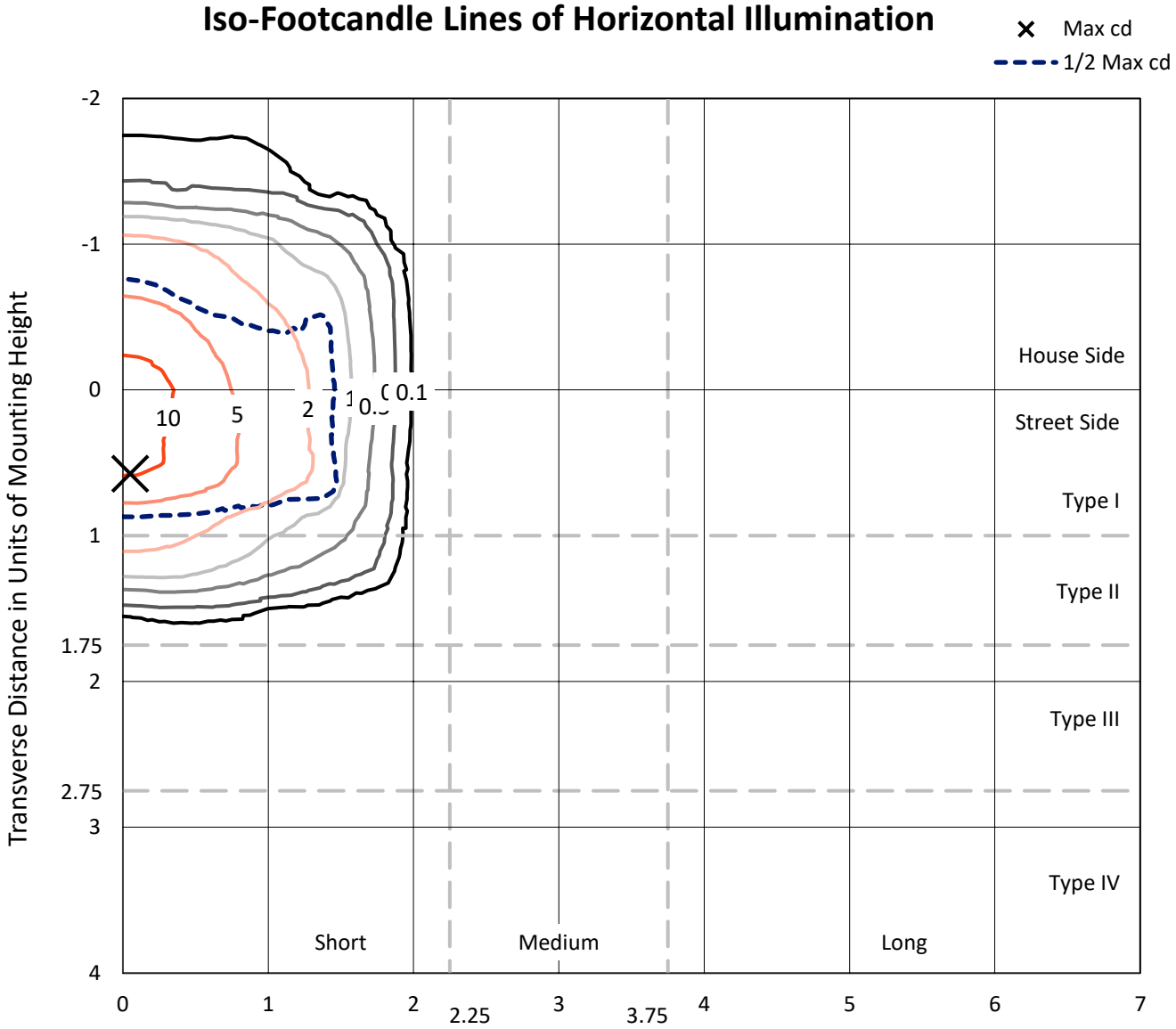
REPORT NUMBER: P980954
CATALOG NUMBER: NFFLD-S-C15-7030-66

Iso-Footcandle Lines of Horizontal Illumination



Based on 15 foot mounting height. Maximum calculated value = 12.1 fc
Type I - Short - N/A

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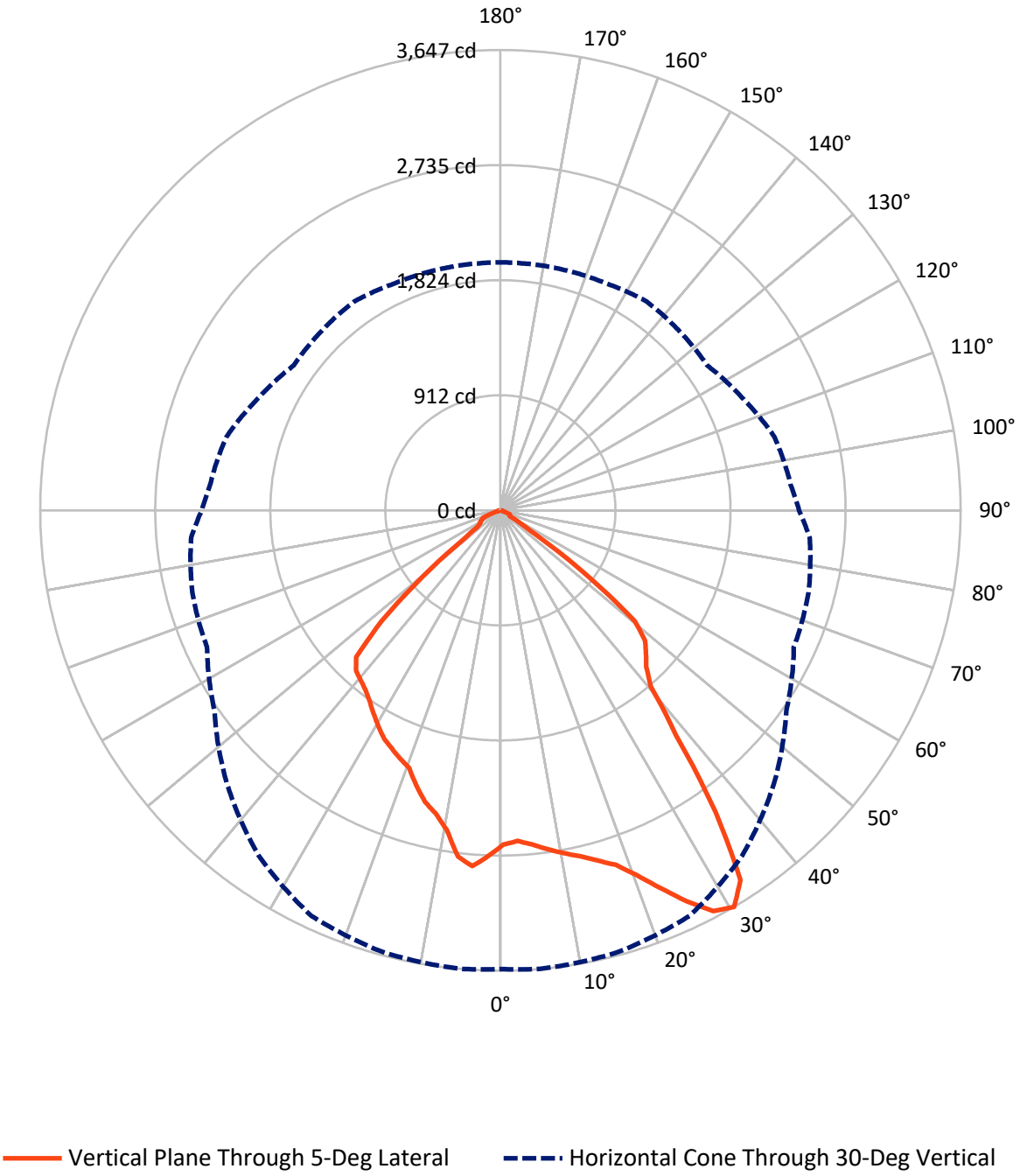
Luminous Intensity Polar Plot



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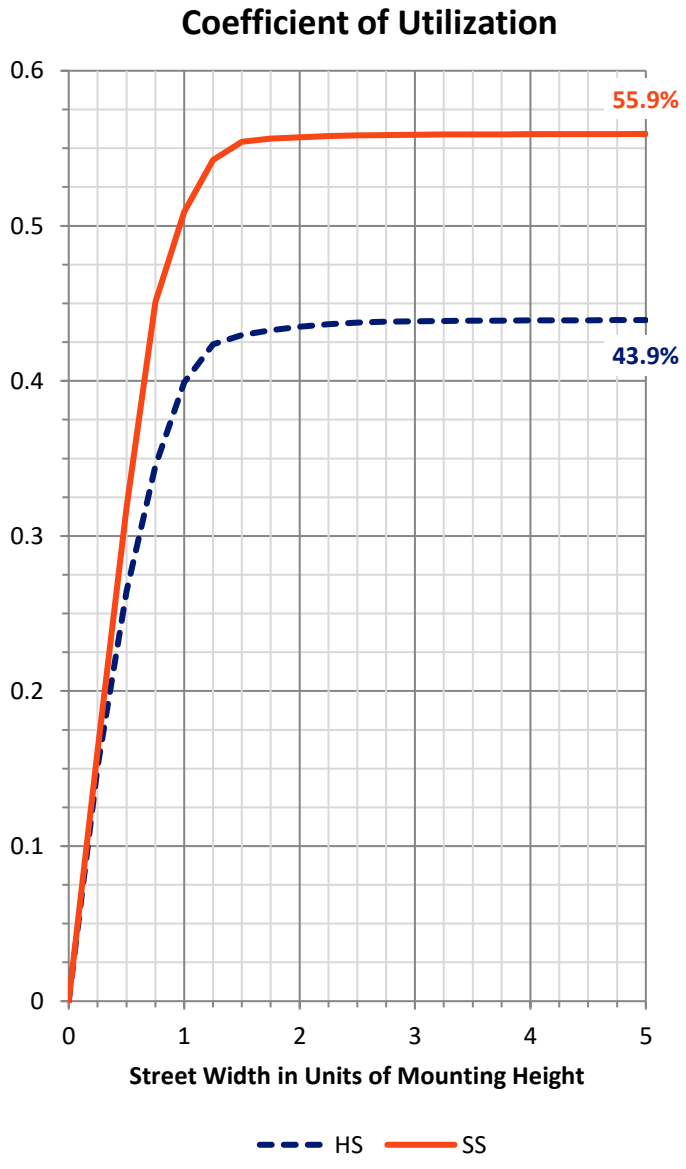
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2869.3	0.0	2869.3
	% Fixture	44.2	0.0	44.2
Street Side	Lumens	3618.1	0.0	3618.1
	% Fixture	55.8	0.0	55.8
Total	Lumens	6487.4	0.0	6487.4
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	259.0	4.0
10°-20°	750.4	11.6
20°-30°	1195.8	18.4
30°-40°	1494.9	23.0
40°-50°	1467.0	22.6
50°-60°	1048.8	16.2
60°-70°	232.0	3.6
70°-80°	35.6	0.5
80°-90°	3.8	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°	6487.4	100.0
0°-180°	6487.4	100.0



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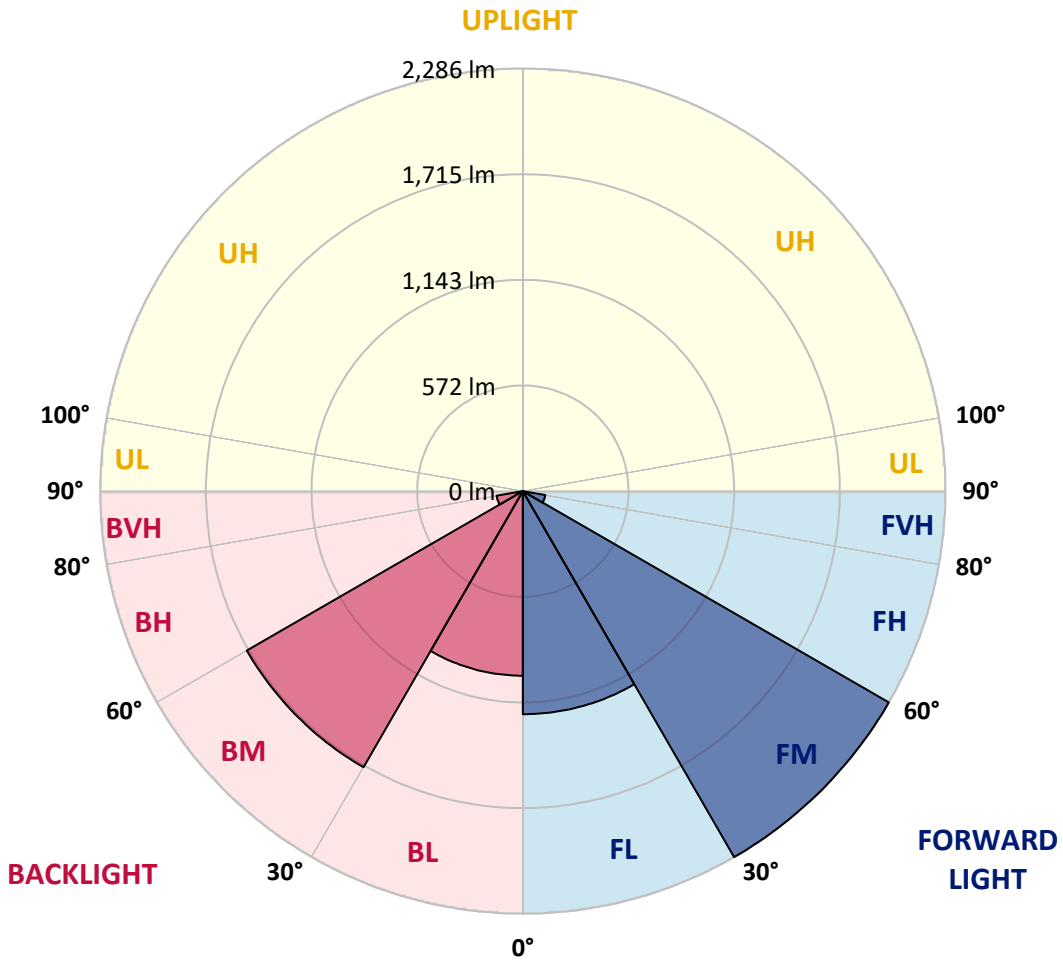
CATALOG NUMBER: NFFLD-S-C15-7030-66

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	1206.6	18.6			
FM	(30°-60°)	2286.2	35.2			
FH	(60°-80°)	123.4	1.9			G0/660
FVH	(80°-90°)	1.9	0.0			G0/10
BL	(0°-30°)	998.6	15.4	B2/1000		
BM	(30°-60°)	1724.6	26.6	B2/2500		
BH	(60°-80°)	144.3	2.2	B1/500		G1/500
BVH	(80°-90°)	1.9	0.0			G0/10
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G1
Type I Short



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REPORT NUMBER: P980954
CATALOG NUMBER: NFFLD-S-C15-7030-66

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	2647.9	2647.9	2647.9	2647.9	2647.9	2647.9	2647.9	2647.9	2647.9	2647.9	2647.9
2.5°	2618.3	2622.5	2626.8	2633.1	2641.6	2645.8	2641.6	2637.4	2635.2	2639.5	2641.6
5°	2654.3	2660.6	2662.8	2667.0	2671.2	2667.0	2664.9	2660.6	2658.5	2660.6	2667.0
7.5°	2707.2	2711.4	2709.3	2707.2	2705.1	2690.3	2675.5	2669.1	2669.1	2675.5	2692.4
10°	2753.8	2762.2	2751.7	2743.2	2728.4	2705.1	2679.7	2664.9	2669.1	2681.8	2703.0
12.5°	2813.0	2813.0	2802.5	2794.0	2760.1	2732.6	2698.7	2675.5	2675.5	2698.7	2722.0
15°	2885.0	2878.7	2874.4	2851.1	2810.9	2766.5	2724.1	2690.3	2683.9	2719.9	2734.7
17.5°	2976.0	2952.7	2942.2	2901.9	2846.9	2789.8	2732.6	2705.1	2686.0	2724.1	2707.2
20°	3100.9	3084.0	3050.1	2986.6	2874.4	2800.3	2732.6	2696.6	2681.8	2703.0	2686.0
22.5°	3261.8	3251.2	3175.0	3094.6	2946.4	2808.8	2722.0	2673.3	2669.1	2658.5	2622.5
25°	3458.6	3431.1	3352.8	3238.5	3054.3	2891.4	2719.9	2631.0	2616.2	2588.7	2525.2
27.5°	3625.8	3596.2	3500.9	3399.3	3202.5	3014.1	2736.8	2580.2	2563.3	2544.2	2465.9
30°	3634.3	3647.0	3621.6	3545.4	3340.1	3064.9	2766.5	2565.4	2527.3	2459.6	2366.4
32.5°	3462.8	3492.5	3553.9	3581.4	3443.8	3126.3	2791.9	2571.7	2501.9	2338.9	2262.7
35°	2876.5	2935.8	3187.7	3424.7	3473.4	3215.2	2813.0	2571.7	2493.4	2252.1	2192.9
37.5°	2209.8	2258.5	2472.3	2901.9	3342.2	3270.2	2859.6	2556.9	2482.8	2258.5	2178.0
40°	1805.5	1833.0	1926.2	2218.3	2880.8	3179.2	2906.2	2573.9	2451.1	2262.7	2186.5
42.5°	1695.4	1693.3	1674.3	1782.2	2197.1	2912.5	2937.9	2616.2	2398.2	2235.2	2171.7
45°	1621.4	1617.1	1600.2	1621.4	1737.8	2383.4	2914.6	2692.4	2332.6	2137.8	2095.5
47.5°	1540.9	1543.0	1536.7	1545.2	1524.0	1809.7	2783.4	2724.1	2220.4	1974.8	1960.0
50°	1348.3	1380.1	1464.7	1473.2	1418.2	1460.5	2383.4	2709.3	2139.9	1928.3	1915.6
52.5°	838.2	889.0	1138.8	1350.4	1318.7	1318.7	1818.2	2730.5	1996.0	1911.3	1919.8
55°	296.3	334.4	609.6	929.2	1181.1	1204.4	1437.2	2429.9	1979.1	1941.0	1949.4
57.5°	74.1	91.0	186.3	402.2	795.9	1092.2	1284.8	2006.6	1502.8	1449.9	1471.1
60°	86.8	84.7	116.4	129.1	309.0	863.6	1157.8	1354.7	969.4	908.0	918.6
62.5°	93.1	86.8	91.0	114.3	50.8	423.3	922.9	806.4	400.0	296.3	313.3
65°	82.5	78.3	72.0	105.8	36.0	78.3	544.0	237.1	57.1	91.0	82.5
67.5°	55.0	57.1	59.3	84.7	33.9	33.9	72.0	59.3	40.2	82.5	72.0
70°	31.7	33.9	40.2	50.8	33.9	27.5	31.7	48.7	33.9	82.5	72.0
72.5°	19.0	19.0	19.0	21.2	33.9	23.3	21.2	40.2	29.6	76.2	72.0
75°	14.8	14.8	14.8	12.7	29.6	14.8	14.8	31.7	25.4	55.0	55.0
77.5°	12.7	12.7	12.7	10.6	16.9	12.7	12.7	23.3	23.3	27.5	31.7
80°	8.5	8.5	8.5	8.5	10.6	10.6	8.5	12.7	10.6	12.7	14.8
82.5°	4.2	6.3	6.3	4.2	6.3	6.3	6.3	8.5	6.3	8.5	8.5
85°	2.1	2.1	2.1	2.1	2.1	2.1	2.1	4.2	2.1	2.1	4.2
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: P980954
CATALOG NUMBER: NFFLD-S-C15-7030-66

CANDELA DISTRIBUTION (continued):

	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	2647.9	2647.9	2647.9	2647.9	2647.9	2647.9	2647.9	2647.9	2647.9	2647.9
2.5°	2645.8	2656.4	2671.2	2694.5	2703.0	2717.8	2730.5	2741.1	2741.1	2736.8
5°	2679.7	2709.3	2749.5	2785.5	2798.2	2813.0	2819.4	2830.0	2827.9	2825.7
7.5°	2709.3	2755.9	2798.2	2823.6	2819.4	2800.3	2787.6	2770.7	2764.4	2768.6
10°	2732.6	2774.9	2794.0	2777.1	2726.3	2681.8	2624.7	2586.6	2567.5	2573.9
12.5°	2741.1	2755.9	2739.0	2645.8	2582.3	2540.0	2493.4	2468.0	2457.4	2459.6
15°	2743.2	2709.3	2616.2	2546.3	2499.8	2446.9	2408.8	2385.5	2385.5	2387.6
17.5°	2698.7	2616.2	2535.8	2482.8	2417.2	2362.2	2341.0	2332.6	2279.6	2288.1
20°	2658.5	2540.0	2495.5	2413.0	2334.7	2298.7	2175.9	2163.2	2165.3	2167.5
22.5°	2573.9	2485.0	2444.7	2336.8	2247.9	2148.4	2131.5	2118.8	2120.9	2120.9
25°	2457.4	2406.6	2351.6	2239.4	2131.5	2112.4	2099.7	2082.8	2074.3	2076.4
27.5°	2391.8	2328.3	2226.7	2131.5	2061.6	2070.1	2055.3	2029.9	2029.9	2032.0
30°	*2309.3*	*2247.9*	*2112.4*	*2000.2*	*2006.6*	*2019.3*	*1983.3*	*1970.6*	*1964.3*	*1964.3*
32.5°	2207.7	2123.0	2004.5	1898.6	1936.7	1932.5	1888.1	1892.3	1896.5	1892.3
35°	2131.5	2021.4	1921.9	1864.8	1850.0	1833.0	1809.7	1824.6	1830.9	1826.7
37.5°	2112.4	1981.2	1877.5	1837.3	1780.1	1748.4	1754.7	1769.5	1778.0	1775.9
40°	2106.1	1941.0	1839.4	1797.0	1720.8	1693.3	1701.8	1731.4	1742.0	1739.9
42.5°	2097.6	1913.5	1816.1	1765.3	1659.5	1640.4	1680.6	1708.1	1710.3	1708.1
45°	2053.2	1883.8	1801.3	1699.7	1566.3	1589.6	1640.4	1655.2	1629.8	1619.2
47.5°	1949.4	1828.8	1756.8	1619.2	1490.1	1534.6	1540.9	1380.1	1286.9	1265.8
50°	1919.8	1830.9	1706.0	1524.0	1443.6	1488.0	1210.7	925.0	808.6	785.3
52.5°	1911.3	1809.7	1725.1	1424.5	1426.6	1255.2	764.1	453.0	364.1	347.1
55°	1932.5	1902.9	1756.8	1365.2	1327.1	817.0	355.6	213.8	220.1	213.8
57.5°	1458.4	1591.7	1794.9	1272.1	969.4	393.7	224.4	207.4	192.6	188.4
60°	910.2	1037.2	1314.4	1094.3	497.4	234.9	228.6	192.6	186.3	184.1
62.5°	300.6	461.4	753.5	719.7	137.6	232.8	230.7	171.4	171.4	171.4
65°	76.2	78.3	207.4	247.6	101.6	207.4	220.1	160.9	156.6	163.0
67.5°	65.6	59.3	110.1	97.4	84.7	143.9	192.6	154.5	146.0	146.0
70°	65.6	69.8	107.9	91.0	52.9	78.3	139.7	95.2	84.7	78.3
72.5°	61.4	67.7	95.2	82.5	36.0	38.1	61.4	31.7	29.6	25.4
75°	52.9	55.0	74.1	74.1	38.1	19.0	25.4	21.2	21.2	19.0
77.5°	36.0	27.5	42.3	52.9	27.5	12.7	10.6	10.6	10.6	8.5
80°	19.0	10.6	10.6	8.5	10.6	10.6	6.3	8.5	8.5	6.3
82.5°	10.6	6.3	6.3	4.2	4.2	6.3	4.2	4.2	4.2	4.2
85°	4.2	4.2	2.1	2.1	2.1	4.2	2.1	2.1	2.1	2.1
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.1	2.1
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: SP1-2501-319-10

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

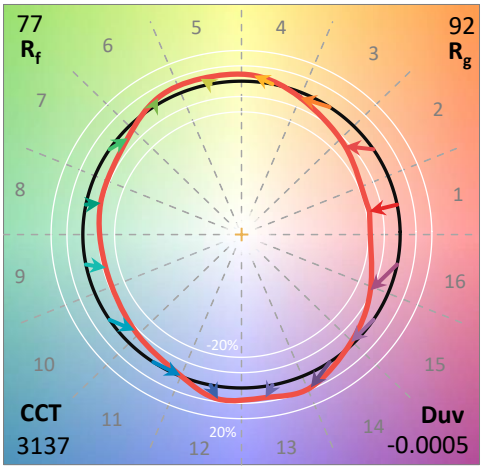
Test Information

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

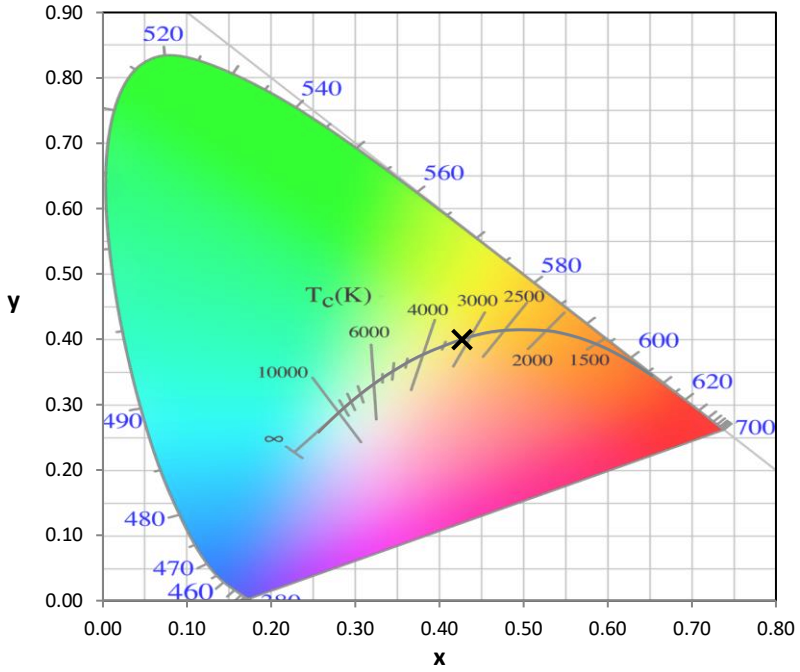
Stabilization Time:	39M
Operation Time:	1H 39M
Sphere Temperature (°C):	25.0

REPORT NUMBER: SP1-2501-319-10

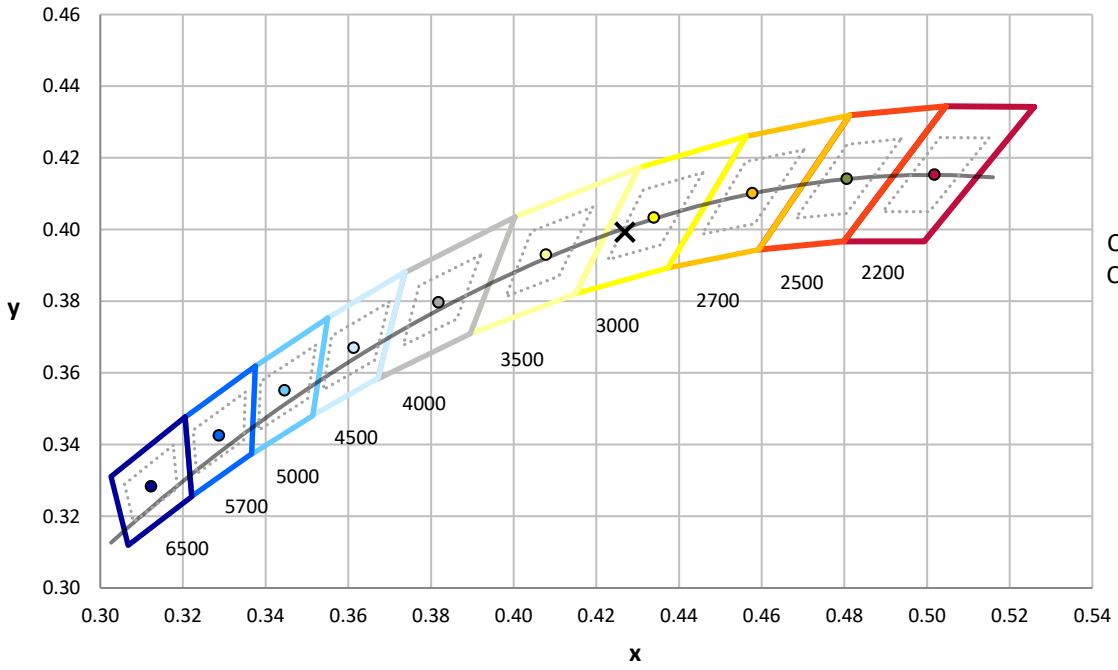
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	12/16/2024	6/16/2025
Power Meter	INXT2011004	1/212025	1/21/2026
AC Power Source	IN0063	10/22/2024	10/22/2025
DC Power Source	IN0208	10/22/2024	10/22/2025
Sphere Thermometer	IN0085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

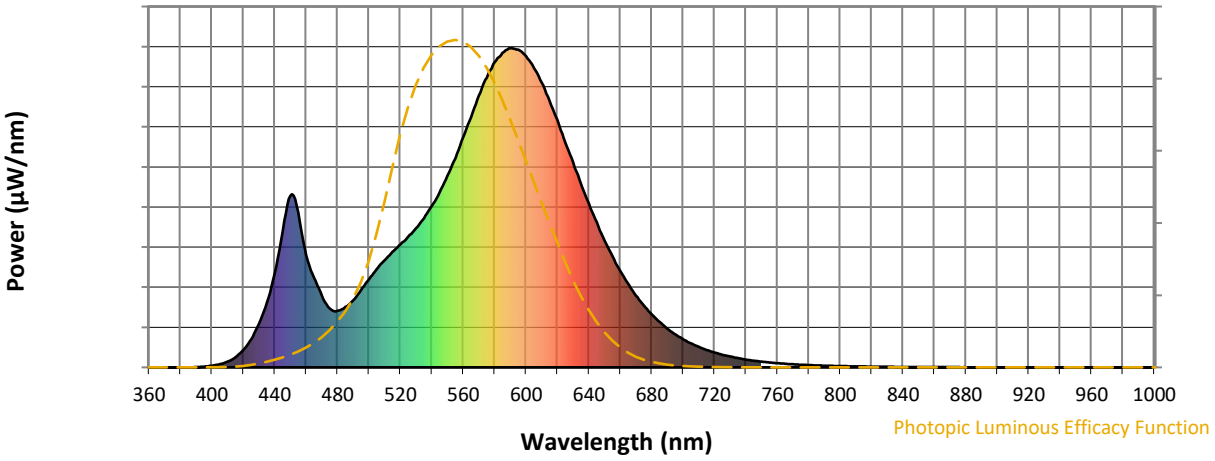


CCT = 3137K
CIE x = 0.4269
CIE y = 0.3993
Duv = -0.0005

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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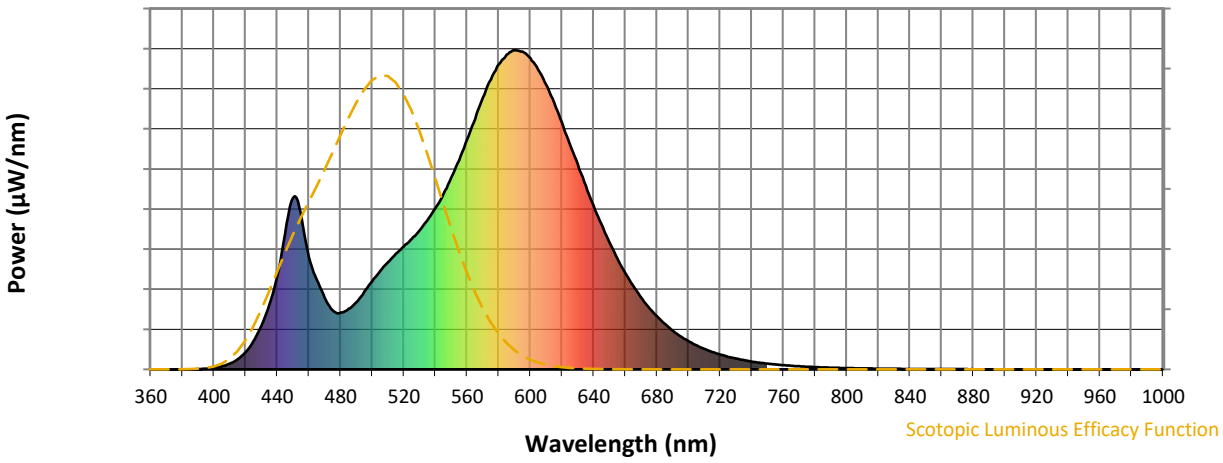
Scotopic Flux vs. Wavelength



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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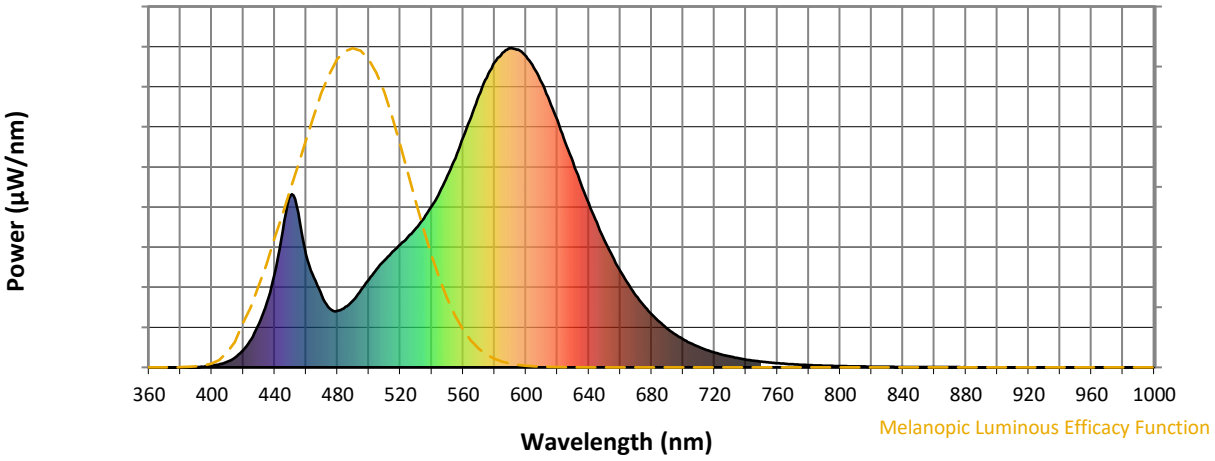
Melanopic Flux vs. Wavelength



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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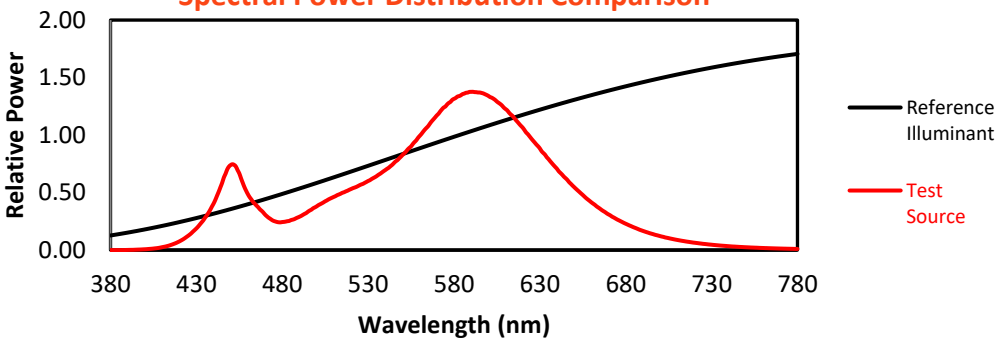
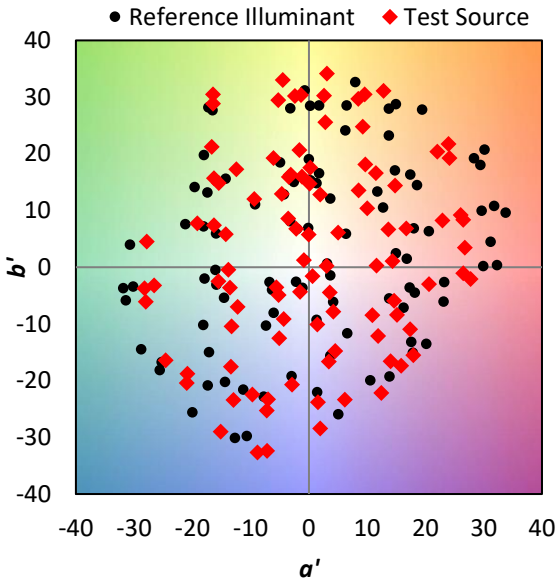
Summary

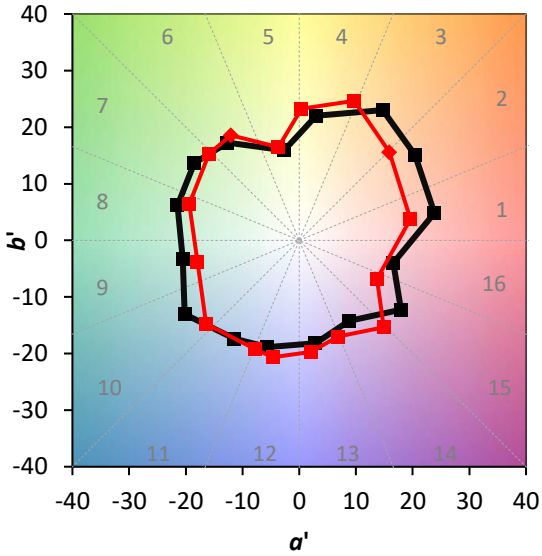
R_f = 76.5
R_g = 91.7
CIE R_a = 71.4
R_9 = -42.3

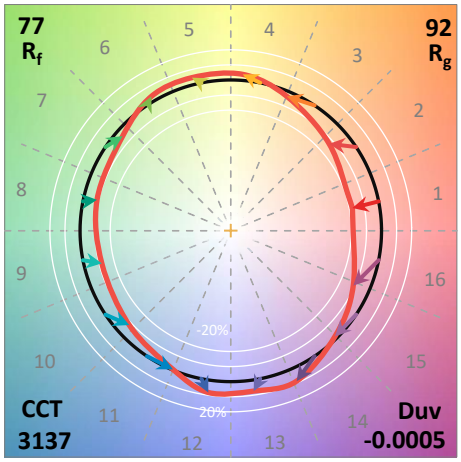
Spectral Power Distribution Comparison

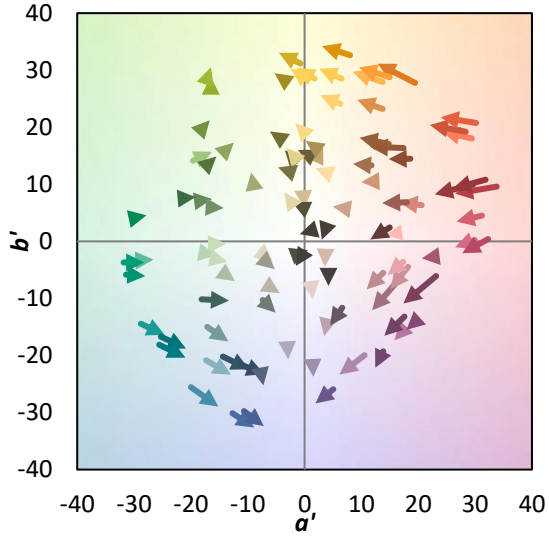


Color Vector Graphics









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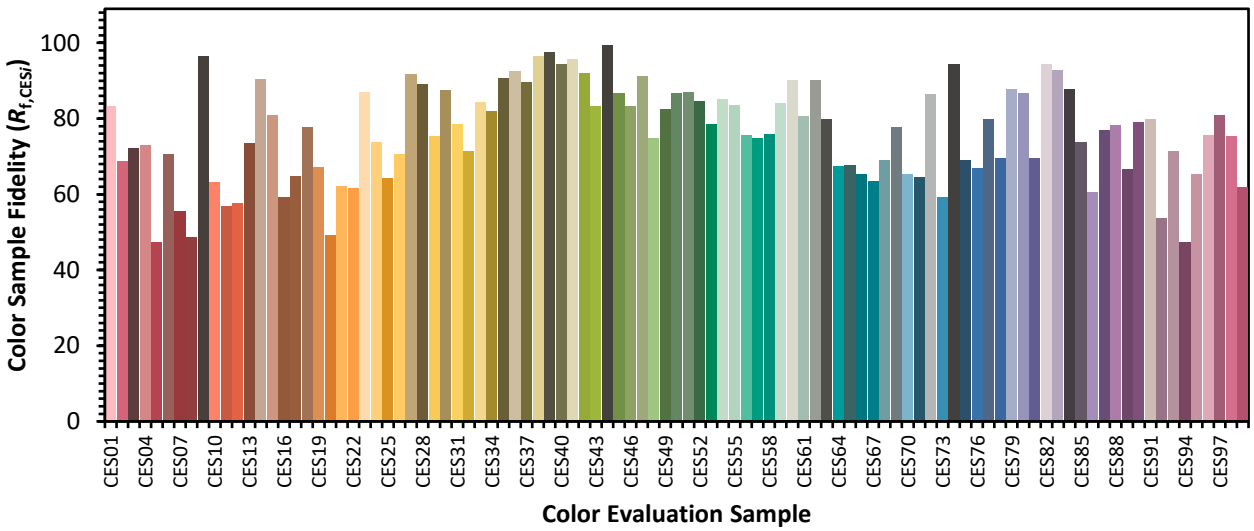
Individual Sample Fidelity Index ($R_{f,i}$)

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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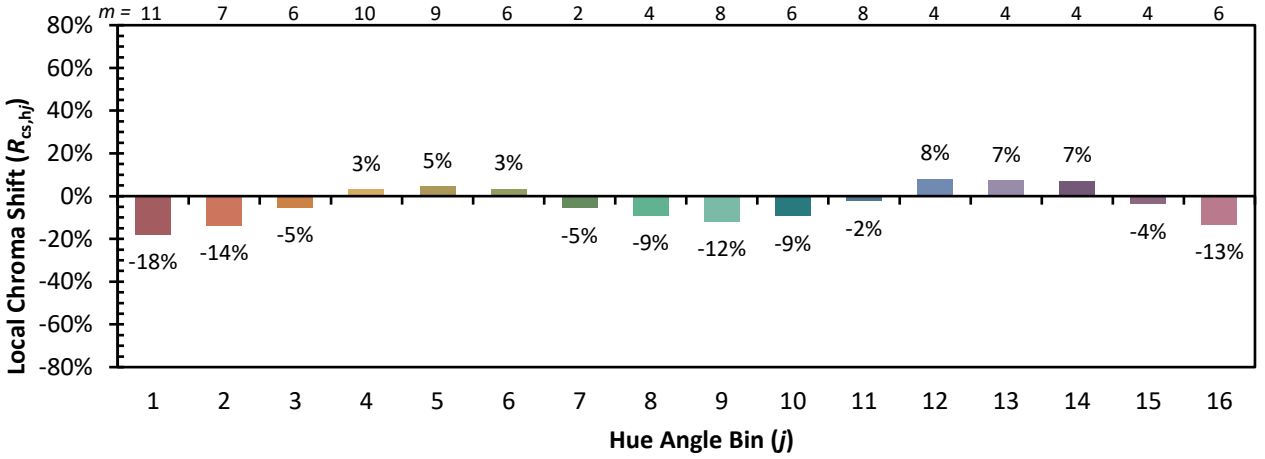
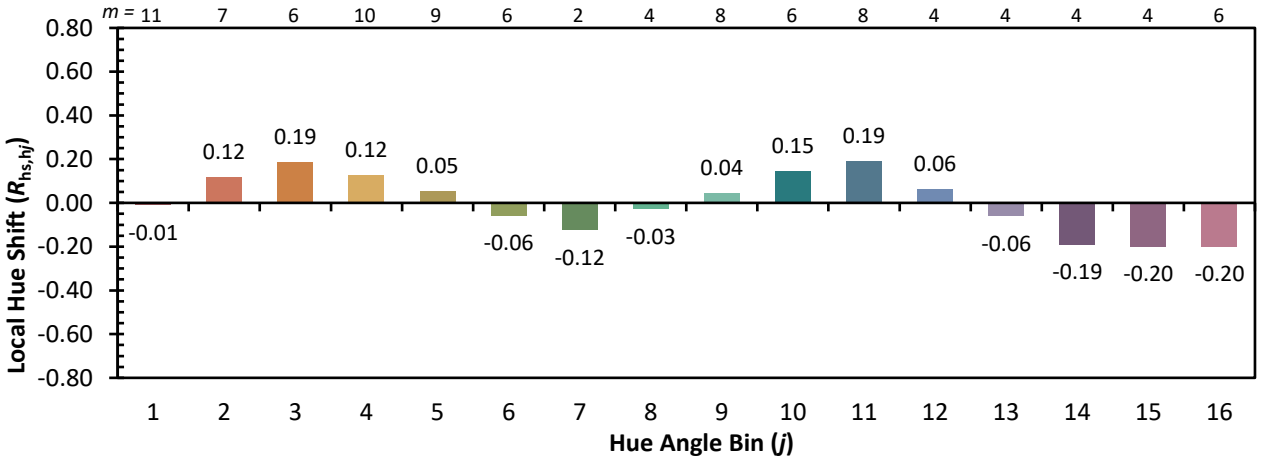
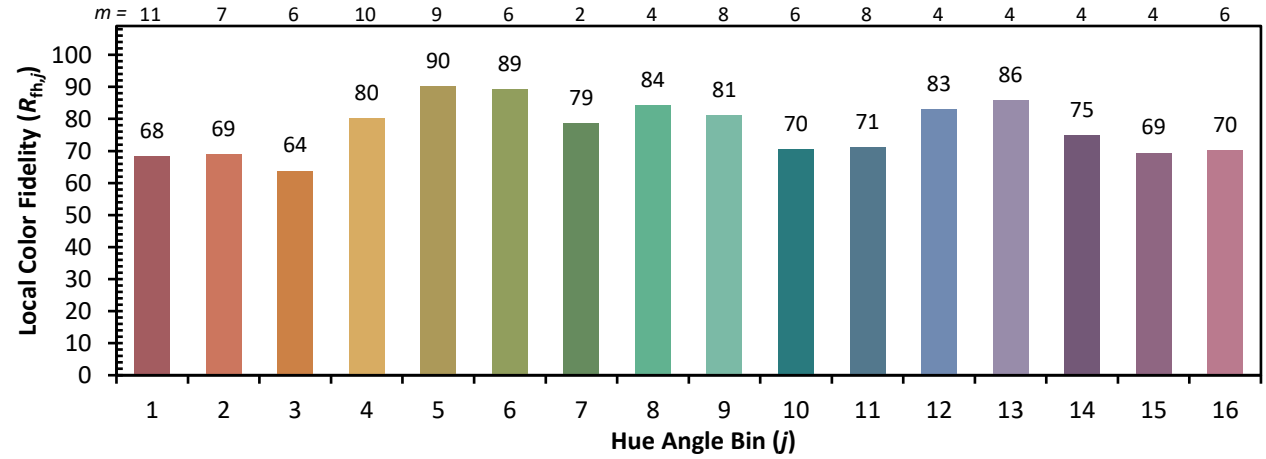
Color Rendition by Hue-Angle Bin







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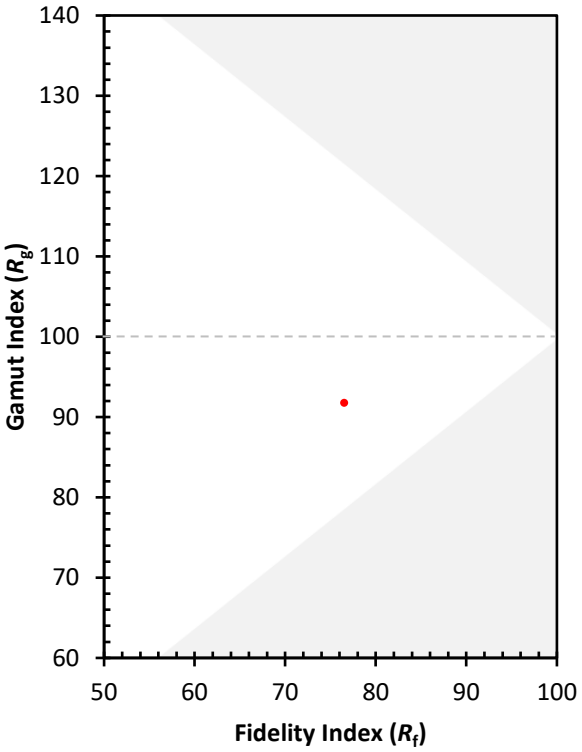
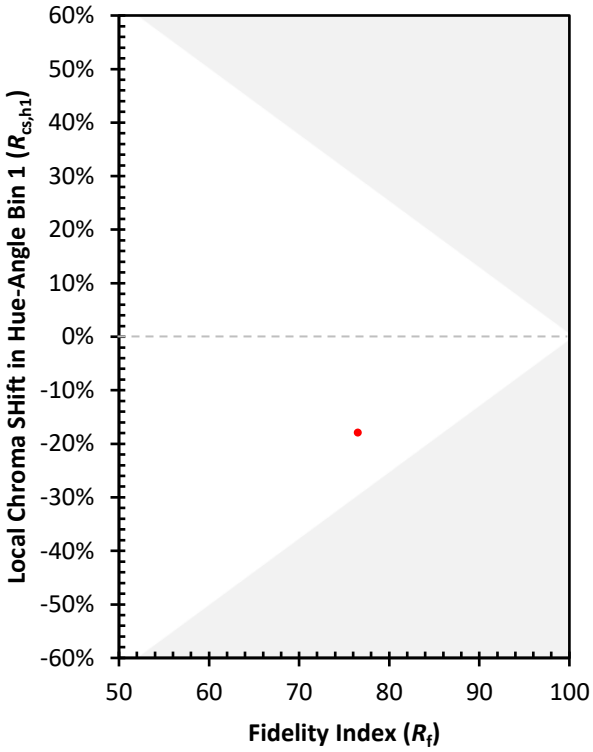
Measure Comparisons





(END OF REPORT)