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: P980932

Luminaire Tested: **NFFLD-S-C15-7022-66**

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:	P980932
Test Lab:	INNOVATION CENTER(G2)
Issue Date:	04/10/2025
Manufacturer:	COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line:	LUMARK
Catalog Number:	NFFLD-S-C15-7022-66
Description:	LUMARK NIGHT FALCON SMALL SIZE 50W 70CRI 2200K LED FIXTURE NEMA 6
Light Source:	(1) 2200K CCT, 70 CRI LEDS
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	5736.2 lumens
Efficiency:	N/A
Efficacy:	112.0 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: P980932
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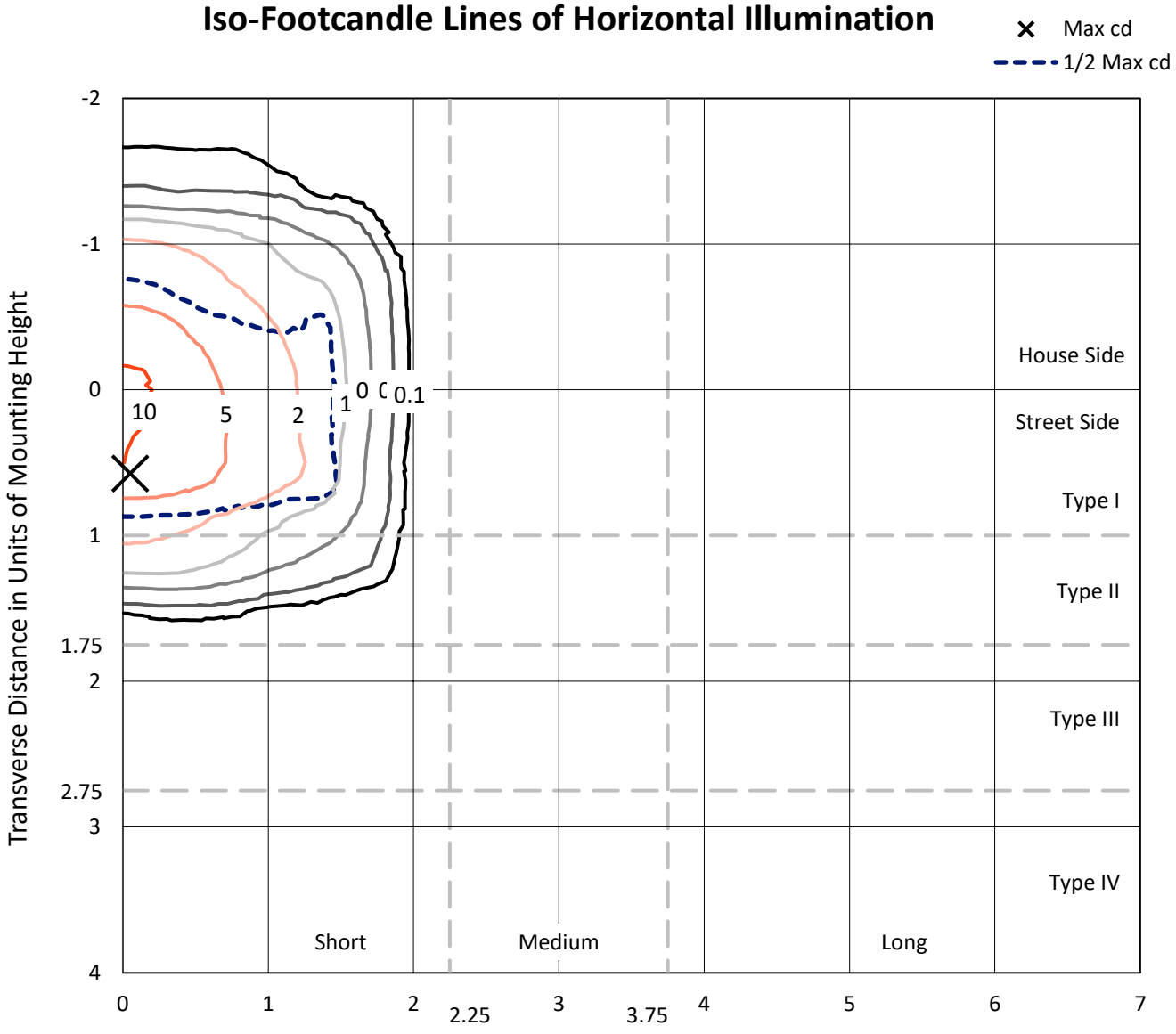
Iso-Footcandle Lines of Horizontal Illumination



Based on 15 foot mounting height. Maximum calculated value = 10.7 fc
Type I - Short - N/A

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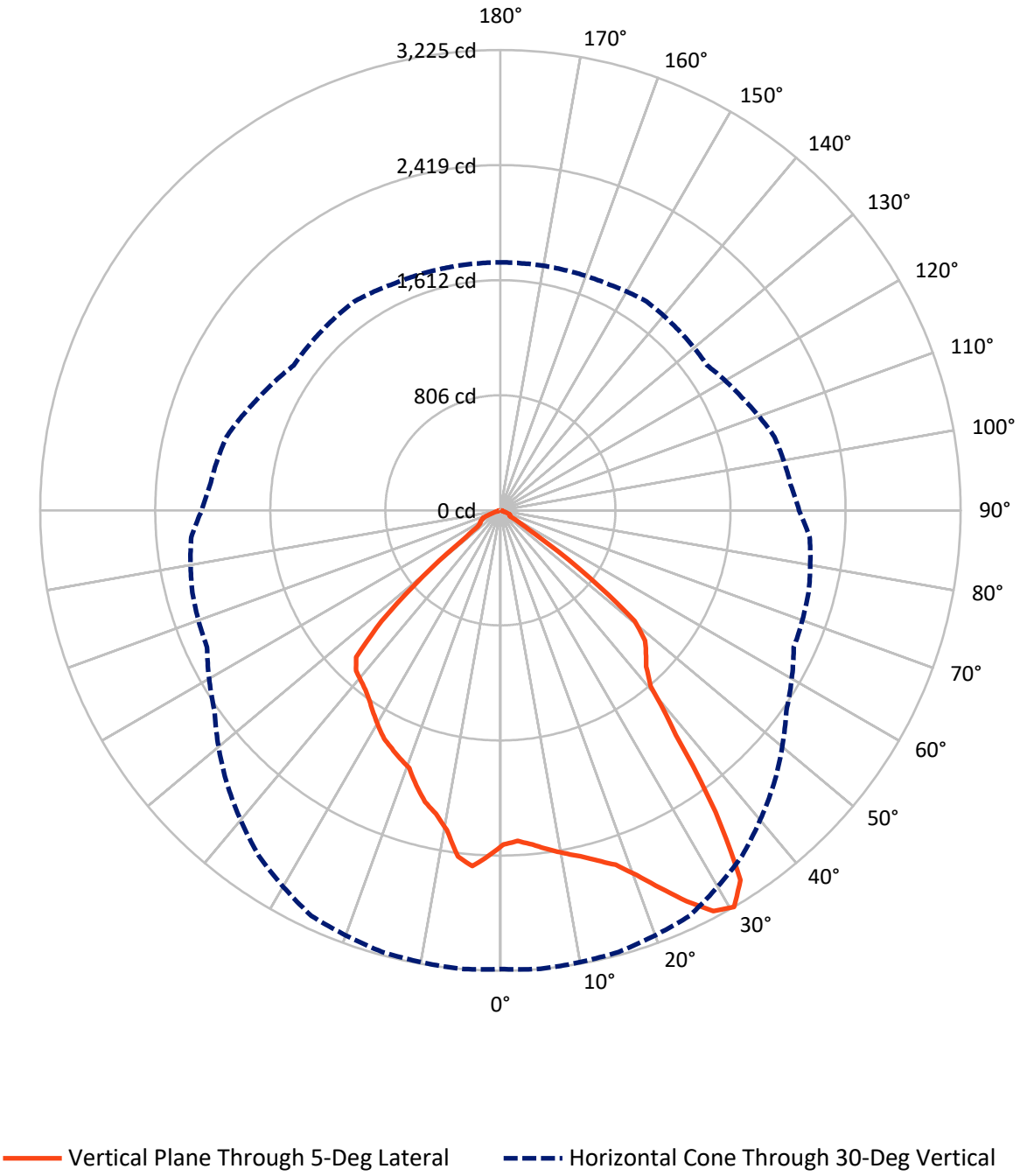
Luminous Intensity Polar Plot



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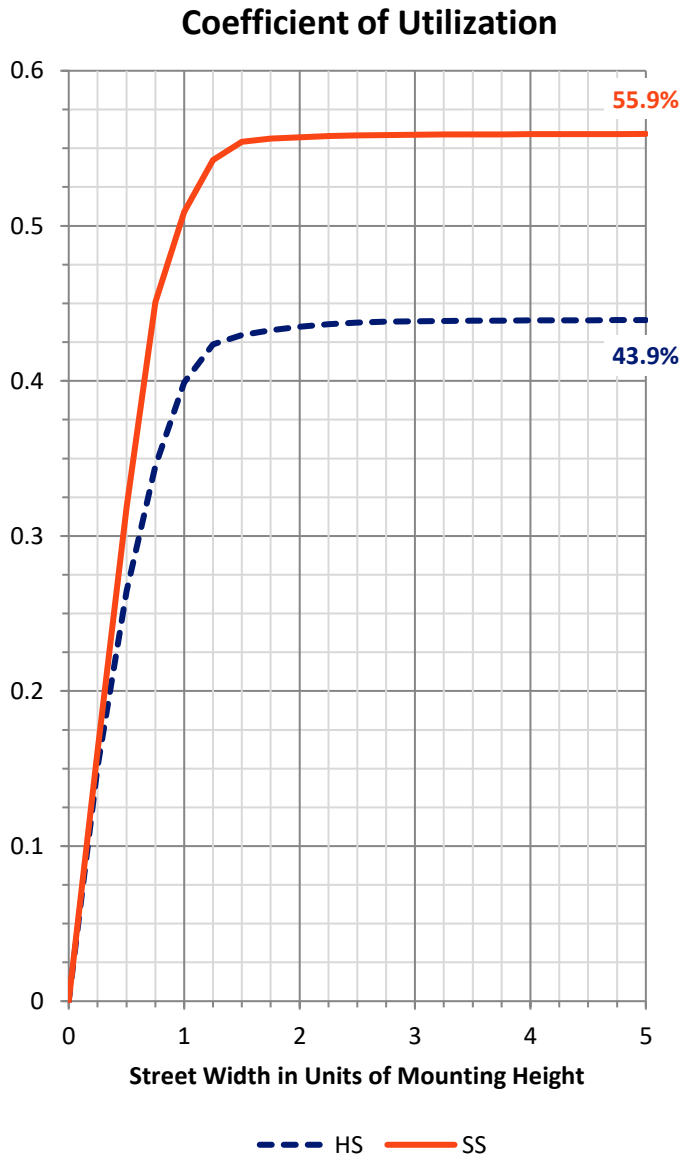
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2537.1	0.0	2537.1
	% Fixture	44.2	0.0	44.2
Street Side	Lumens	3199.2	0.0	3199.2
	% Fixture	55.8	0.0	55.8
Total	Lumens	5736.2	0.0	5736.2
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	229.0	4.0
10°-20°	663.5	11.6
20°-30°	1057.3	18.4
30°-40°	1321.8	23.0
40°-50°	1297.2	22.6
50°-60°	927.4	16.2
60°-70°	205.2	3.6
70°-80°	31.5	0.5
80°-90°	3.3	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°	5736.2	100.0
0°-180°	5736.2	100.0



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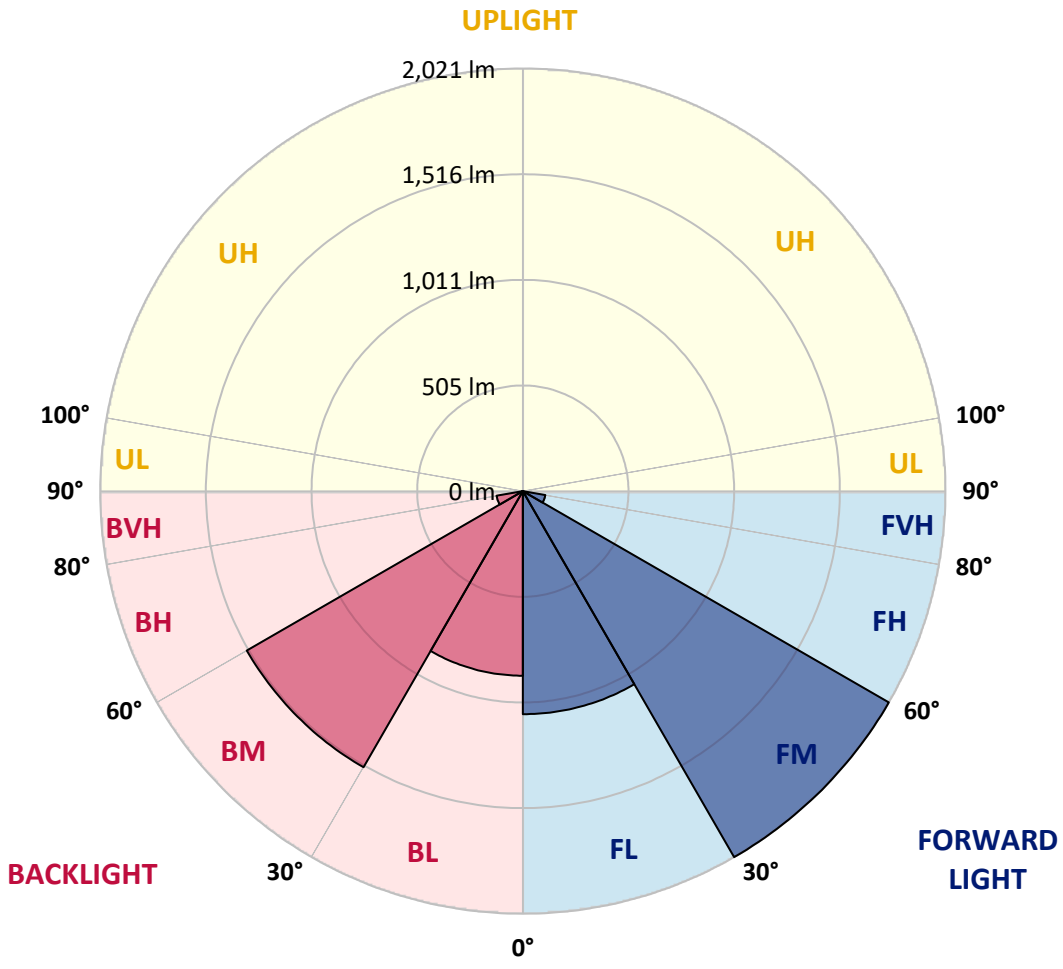
LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	1066.9	18.6			
FM	(30°-60°)	2021.5	35.2			
FH	(60°-80°)	109.1	1.9			G0/660
FVH	(80°-90°)	1.7	0.0			G0/10
BL	(0°-30°)	883.0	15.4	B2/1000		
BM	(30°-60°)	1524.9	26.6	B2/2500		
BH	(60°-80°)	127.6	2.2	B1/500		G1/500
BVH	(80°-90°)	1.6	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: P980932
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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	2341.3	2341.3	2341.3	2341.3	2341.3	2341.3	2341.3	2341.3	2341.3	2341.3	2341.3
2.5°	2315.1	2318.9	2322.6	2328.2	2335.7	2339.5	2335.7	2332.0	2330.1	2333.8	2335.7
5°	2346.9	2352.6	2354.4	2358.2	2361.9	2358.2	2356.3	2352.6	2350.7	2352.6	2358.2
7.5°	2393.7	2397.5	2395.6	2393.7	2391.9	2378.8	2365.7	2360.0	2360.0	2365.7	2380.6
10°	2434.9	2442.4	2433.0	2425.6	2412.5	2391.9	2369.4	2356.3	2360.0	2371.3	2390.0
12.5°	2487.3	2487.3	2478.0	2470.5	2440.5	2416.2	2386.3	2365.7	2365.7	2386.3	2406.8
15°	2550.9	2545.3	2541.6	2521.0	2485.4	2446.1	2408.7	2378.8	2373.1	2405.0	2418.1
17.5°	2631.4	2610.8	2601.5	2565.9	2517.3	2466.7	2416.2	2391.9	2375.0	2408.7	2393.7
20°	2741.8	2726.9	2696.9	2640.8	2541.6	2476.1	2416.2	2384.4	2371.3	2390.0	2375.0
22.5°	2884.1	2874.7	2807.4	2736.2	2605.2	2483.6	2406.8	2363.8	2360.0	2350.7	2318.9
25°	3058.1	3033.8	2964.6	2863.5	2700.7	2556.6	2405.0	2326.4	2313.3	2288.9	2232.8
27.5°	3206.0	3179.8	3095.6	3005.7	2831.7	2665.1	2419.9	2281.4	2266.5	2249.6	2180.4
30°	3213.5	3224.7	3202.3	3134.9	2953.3	2710.0	2446.1	2268.3	2234.7	2174.8	2092.4
32.5°	3061.9	3088.1	3142.4	3166.7	3045.0	2764.3	2468.6	2274.0	2212.2	2068.1	2000.7
35°	2543.5	2595.9	2818.6	3028.2	3071.2	2842.9	2487.3	2274.0	2204.7	1991.3	1938.9
37.5°	1953.9	1997.0	2186.0	2565.9	2955.2	2891.6	2528.5	2260.9	2195.4	1997.0	1925.8
40°	1596.4	1620.8	1703.1	1961.4	2547.2	2811.1	2569.7	2275.8	2167.3	2000.7	1933.3
42.5°	1499.1	1497.3	1480.4	1575.9	1942.7	2575.3	2597.7	2313.3	2120.5	1976.4	1920.2
45°	1433.6	1429.9	1414.9	1433.6	1536.6	2107.4	2577.2	2380.6	2062.5	1890.3	1852.9
47.5°	1362.5	1364.4	1358.8	1366.2	1347.5	1600.2	2461.1	2408.7	1963.3	1746.2	1733.1
50°	1192.2	1220.3	1295.1	1302.6	1254.0	1291.4	2107.4	2395.6	1892.2	1705.0	1693.8
52.5°	741.1	786.1	1006.9	1194.1	1166.0	1166.0	1607.7	2414.3	1764.9	1690.0	1697.5
55°	262.0	295.7	539.0	821.6	1044.3	1064.9	1270.8	2148.6	1749.9	1716.2	1723.7
57.5°	65.5	80.5	164.7	355.6	703.7	965.7	1136.0	1774.2	1328.8	1282.0	1300.7
60°	76.7	74.9	102.9	114.2	273.2	763.6	1023.7	1197.8	857.2	802.9	812.3
62.5°	82.3	76.7	80.5	101.1	44.9	374.3	816.0	713.1	353.7	262.0	277.0
65°	73.0	69.2	63.6	93.6	31.8	69.2	481.0	209.6	50.5	80.5	73.0
67.5°	48.7	50.5	52.4	74.9	29.9	29.9	63.6	52.4	35.6	73.0	63.6
70°	28.1	29.9	35.6	44.9	29.9	24.3	28.1	43.0	29.9	73.0	63.6
72.5°	16.8	16.8	16.8	18.7	29.9	20.6	18.7	35.6	26.2	67.4	63.6
75°	13.1	13.1	13.1	11.2	26.2	13.1	13.1	28.1	22.5	48.7	48.7
77.5°	11.2	11.2	11.2	9.4	15.0	11.2	11.2	20.6	20.6	24.3	28.1
80°	7.5	7.5	7.5	7.5	9.4	9.4	7.5	11.2	9.4	11.2	13.1
82.5°	3.7	5.6	5.6	3.7	5.6	5.6	5.6	7.5	5.6	7.5	7.5
85°	1.9	1.9	1.9	1.9	1.9	1.9	1.9	3.7	1.9	1.9	3.7
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: P980932
CATALOG NUMBER: NFFLD-S-C15-7022-66

CANDELA DISTRIBUTION (continued):

	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	2341.3	2341.3	2341.3	2341.3	2341.3	2341.3	2341.3	2341.3	2341.3	2341.3
2.5°	2339.5	2348.8	2361.9	2382.5	2390.0	2403.1	2414.3	2423.7	2423.7	2419.9
5°	2369.4	2395.6	2431.2	2463.0	2474.2	2487.3	2492.9	2502.3	2500.4	2498.5
7.5°	2395.6	2436.8	2474.2	2496.7	2492.9	2476.1	2464.9	2449.9	2444.3	2448.0
10°	2416.2	2453.6	2470.5	2455.5	2410.6	2371.3	2320.7	2287.1	2270.2	2275.8
12.5°	2423.7	2436.8	2421.8	2339.5	2283.3	2245.9	2204.7	2182.2	2172.9	2174.8
15°	2425.6	2395.6	2313.3	2251.5	2210.3	2163.5	2129.8	2109.3	2109.3	2111.1
17.5°	2386.3	2313.3	2242.1	2195.4	2137.3	2088.7	2070.0	2062.5	2015.7	2023.2
20°	2350.7	2245.9	2206.6	2133.6	2064.3	2032.5	1924.0	1912.7	1914.6	1916.5
22.5°	2275.8	2197.2	2161.7	2066.2	1987.6	1899.6	1884.7	1873.4	1875.3	1875.3
25°	2172.9	2128.0	2079.3	1980.1	1884.7	1867.8	1856.6	1841.6	1834.1	1836.0
27.5°	2114.9	2058.7	1968.9	1884.7	1822.9	1830.4	1817.3	1794.8	1794.8	1796.7
30°	*2041.9*	*1987.6*	*1867.8*	*1768.6*	*1774.2*	*1785.5*	*1753.7*	*1742.4*	*1736.8*	*1736.8*
32.5°	1952.0	1877.2	1772.4	1678.8	1712.5	1708.7	1669.4	1673.2	1676.9	1673.2
35°	1884.7	1787.3	1699.4	1648.9	1635.8	1620.8	1600.2	1613.3	1618.9	1615.2
37.5°	1867.8	1751.8	1660.1	1624.5	1574.0	1545.9	1551.5	1564.6	1572.1	1570.2
40°	1862.2	1716.2	1626.4	1589.0	1521.6	1497.3	1504.7	1530.9	1540.3	1538.4
42.5°	1854.7	1691.9	1605.8	1560.9	1467.3	1450.5	1486.0	1510.4	1512.2	1510.4
45°	1815.4	1665.7	1592.7	1502.9	1385.0	1405.5	1450.5	1463.6	1441.1	1431.8
47.5°	1723.7	1617.0	1553.4	1431.8	1317.6	1356.9	1362.5	1220.3	1137.9	1119.2
50°	1697.5	1618.9	1508.5	1347.5	1276.4	1315.7	1070.5	817.9	714.9	694.4
52.5°	1690.0	1600.2	1525.3	1259.6	1261.4	1109.8	675.6	400.5	321.9	306.9
55°	1708.7	1682.5	1553.4	1207.2	1173.5	722.4	314.4	189.0	194.6	189.0
57.5°	1289.5	1407.4	1587.1	1124.8	857.2	348.1	198.4	183.4	170.3	166.6
60°	804.8	917.1	1162.2	967.6	439.8	207.7	202.1	170.3	164.7	162.8
62.5°	265.8	408.0	666.3	636.3	121.7	205.9	204.0	151.6	151.6	151.6
65°	67.4	69.2	183.4	219.0	89.8	183.4	194.6	142.2	138.5	144.1
67.5°	58.0	52.4	97.3	86.1	74.9	127.3	170.3	136.6	129.1	129.1
70°	58.0	61.8	95.5	80.5	46.8	69.2	123.5	84.2	74.9	69.2
72.5°	54.3	59.9	84.2	73.0	31.8	33.7	54.3	28.1	26.2	22.5
75°	46.8	48.7	65.5	65.5	33.7	16.8	22.5	18.7	18.7	16.8
77.5°	31.8	24.3	37.4	46.8	24.3	11.2	9.4	9.4	9.4	7.5
80°	16.8	9.4	9.4	7.5	9.4	9.4	5.6	7.5	7.5	5.6
82.5°	9.4	5.6	5.6	3.7	3.7	5.6	3.7	3.7	3.7	3.7
85°	3.7	3.7	1.9	1.9	1.9	3.7	1.9	1.9	1.9	1.9
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.9	1.9
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

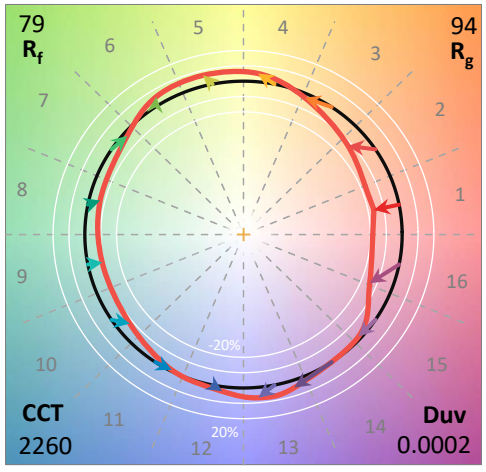
Report Generated By FNC07603 / LDUCLS01DT446
Version: v7.04

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

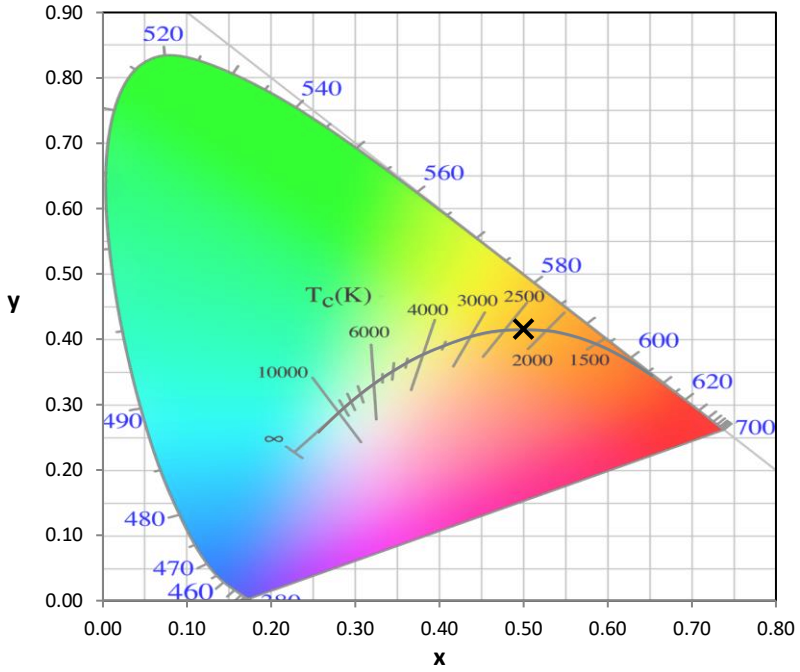
Stabilization Time:	59M
Operation Time:	1H 59M
Sphere Temperature (°C):	25.0

REPORT NUMBER: SP1-2501-319-8

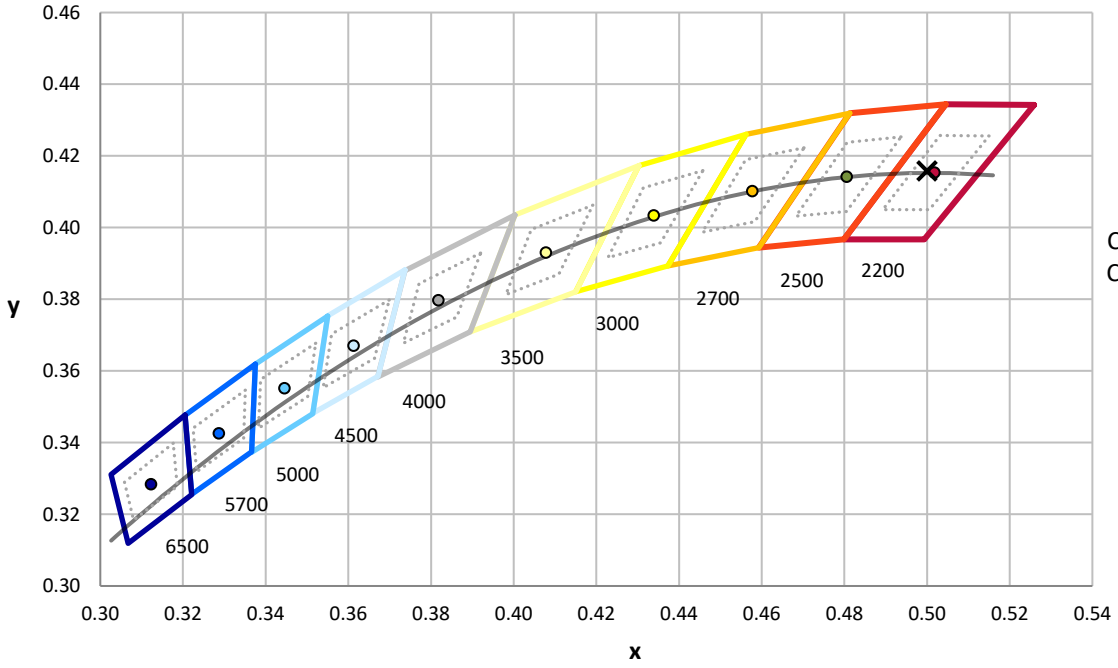
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	12/16/2024	6/16/2025
Power Meter	INXT2011004	1/212025	1/21/2026
AC Power Source	IN0063	10/22/2024	10/22/2025
DC Power Source	IN0208	10/22/2024	10/22/2025
Sphere Thermometer	IN0085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

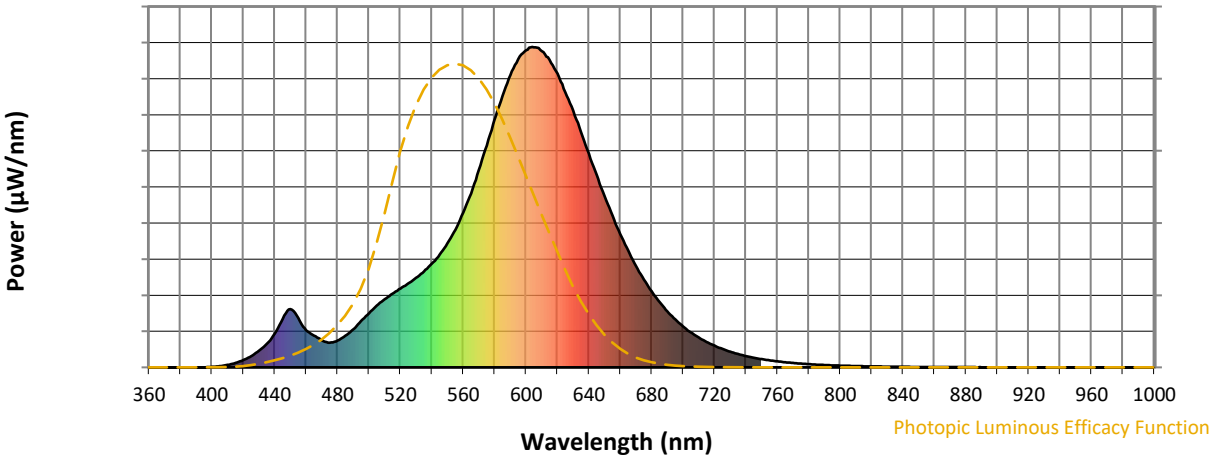


CCT = 2260K
CIE x = 0.5000
CIE y = 0.4158
Duv = 0.0002

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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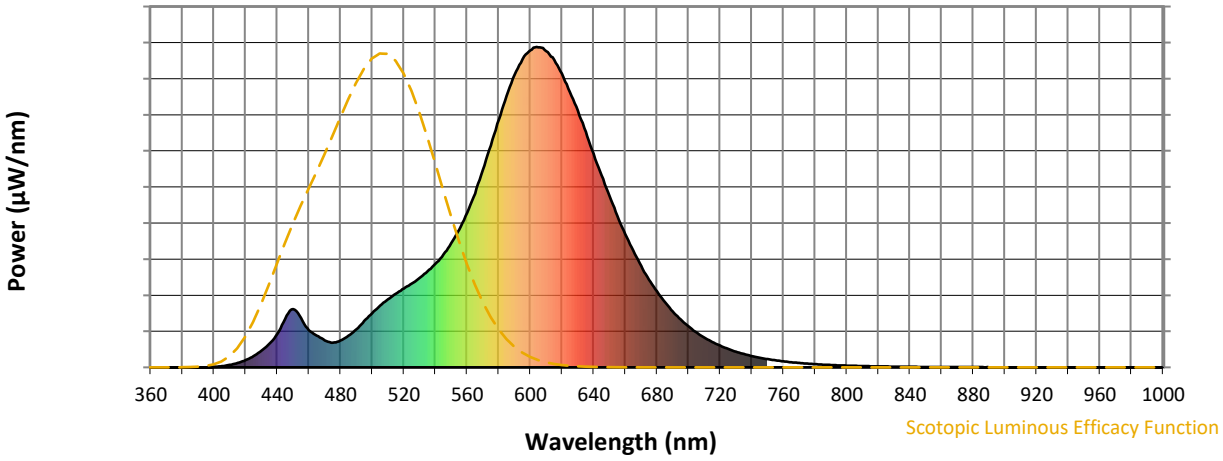
Scotopic Flux vs. Wavelength



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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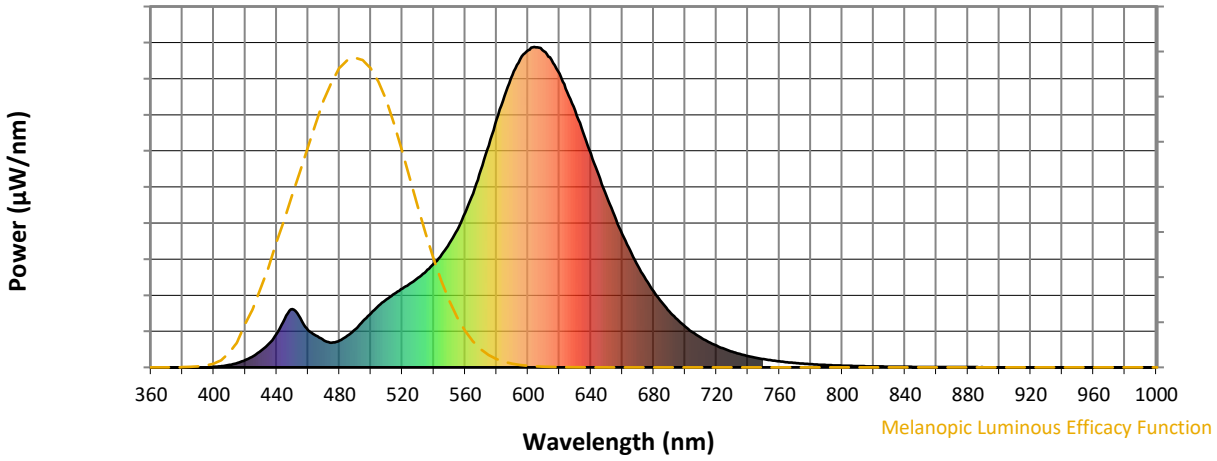
Melanopic Flux vs. Wavelength



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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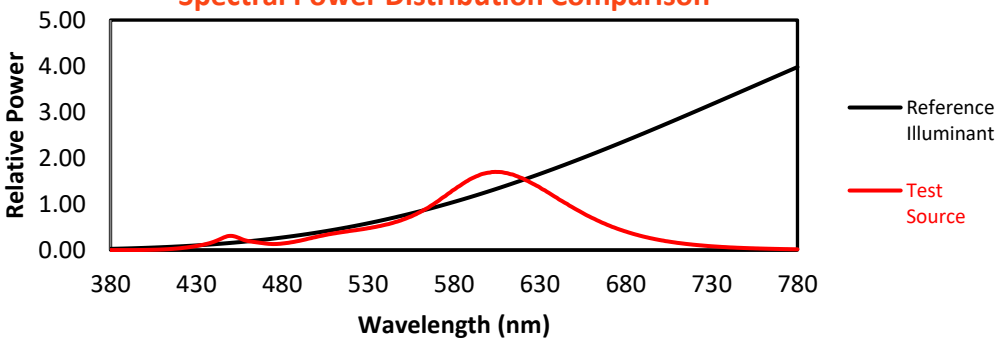
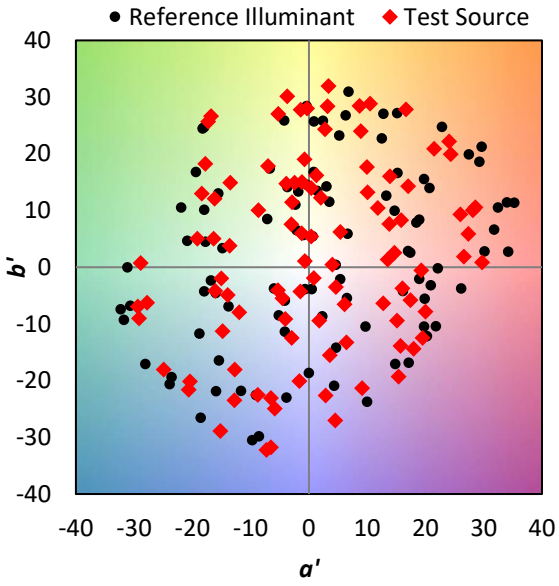
Summary

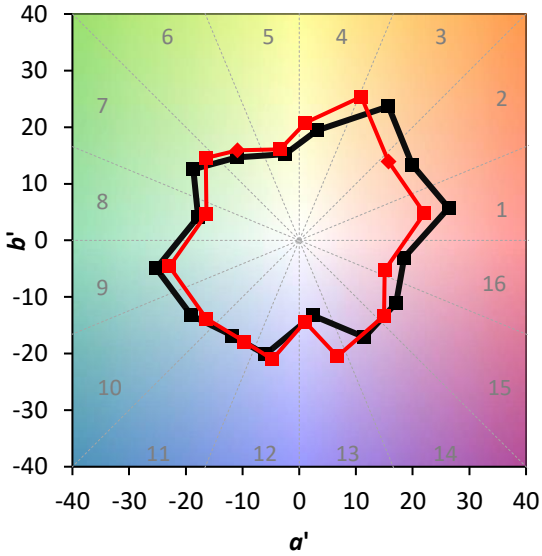
R_f = 78.7
R_g = 93.7
CIE R_a = 72.8
R_9 = -28.5

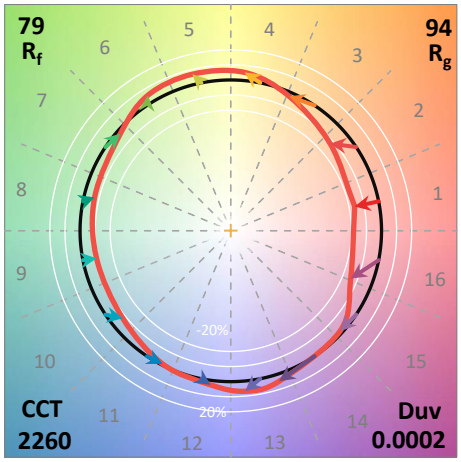
Spectral Power Distribution Comparison

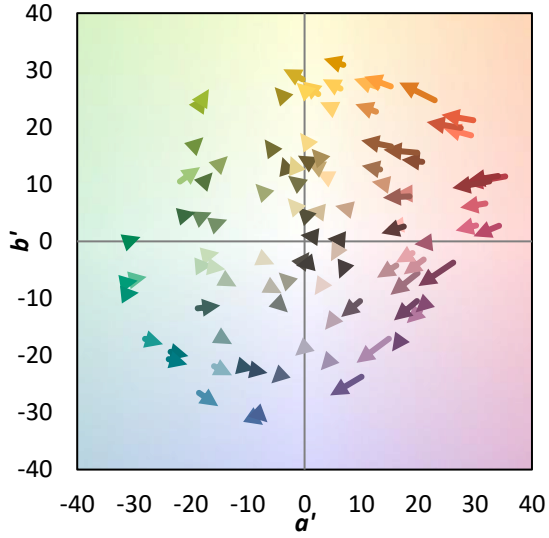


Color Vector Graphics









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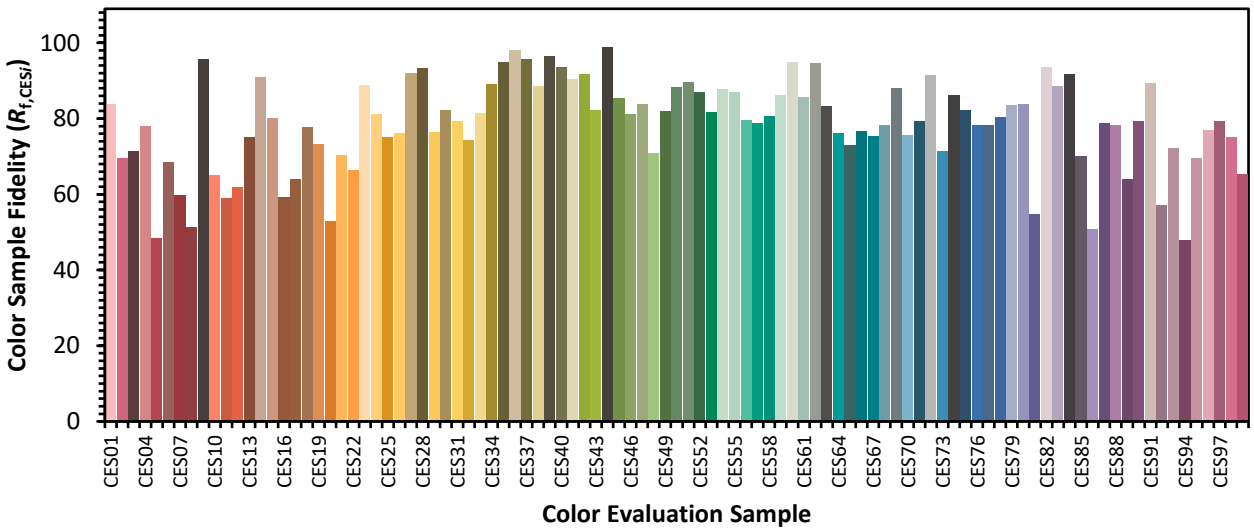
Individual Sample Fidelity Index ($R_{f,i}$)

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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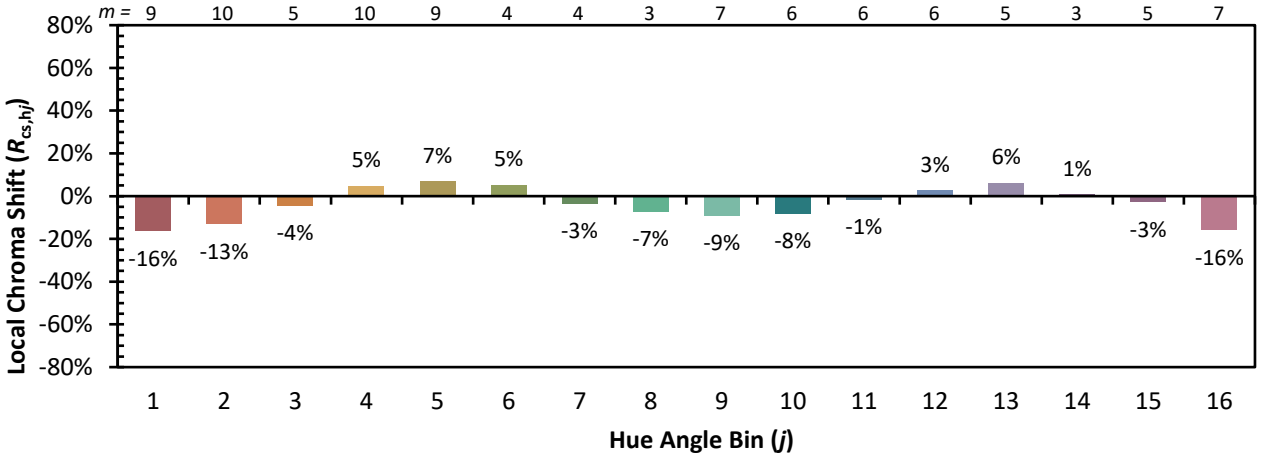
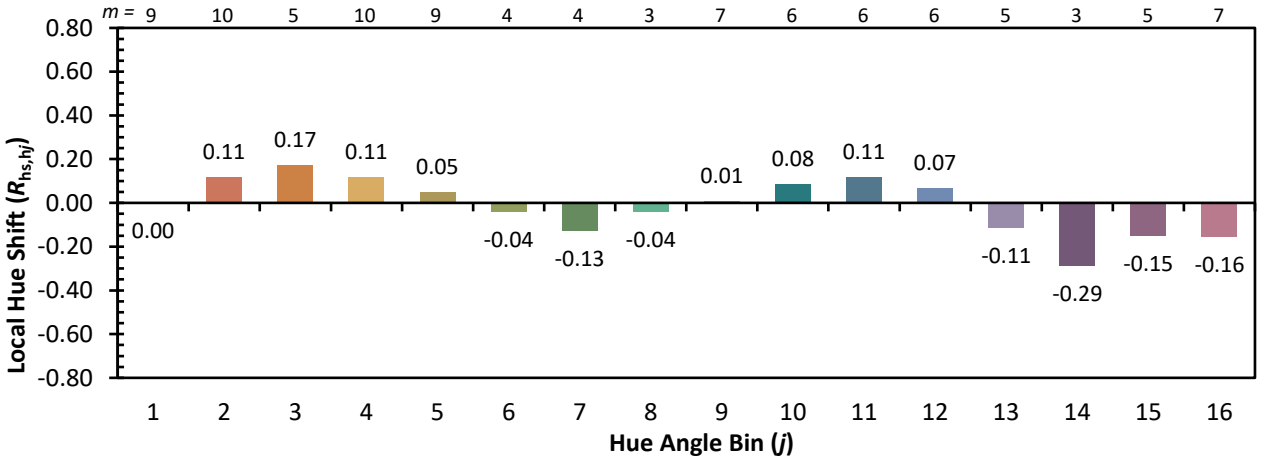
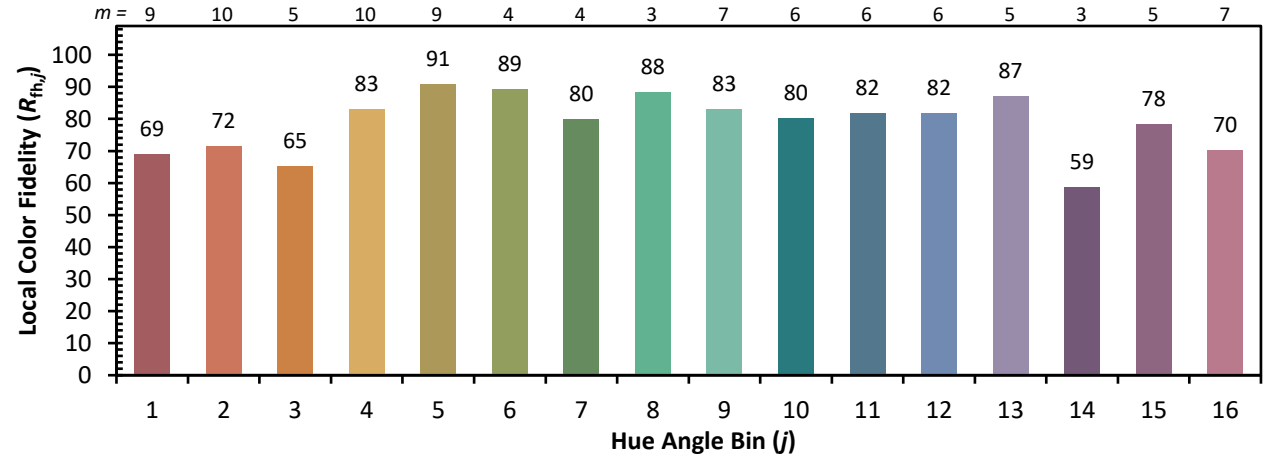
Color Rendition by Hue-Angle Bin







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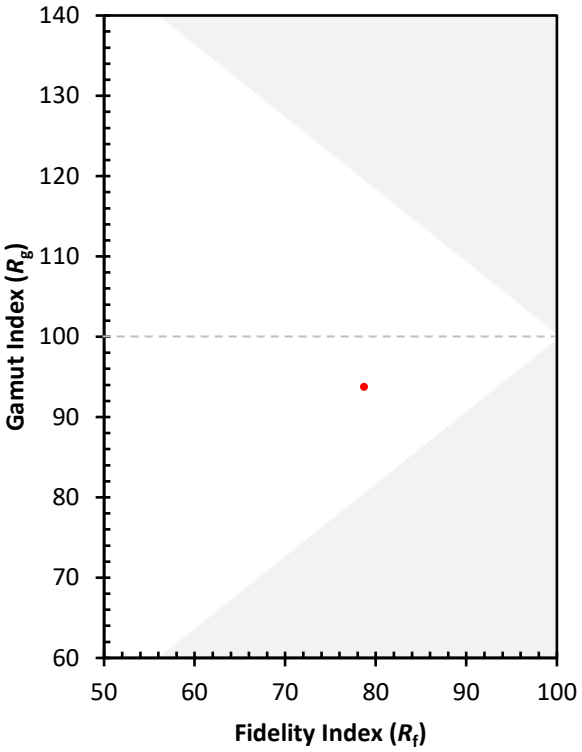
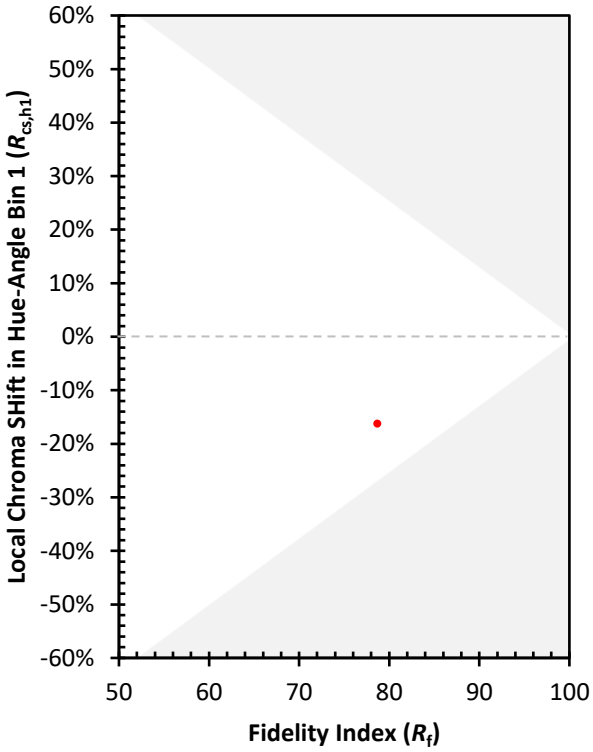
Measure Comparisons





(END OF REPORT)