

Signify Classified - Internal  
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: P980943

Luminaire Tested: **NFFLD-S-C15-7027-66**

Issue Date: 04/10/2025

**Test Information**

Test Method: LM-79-08  
Report Number: P980943  
Test Lab: INNOVATION CENTER(G2)  
Issue Date: 04/10/2025  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: LUMARK  
Catalog Number: NFFLD-S-C15-7027-66  
Description: LUMARK NIGHT FALCON SMALL SIZE 50W 70CRI 2700K LED FIXTURE NEMA 6  
Light Source: (1) 2700K CCT, 70 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

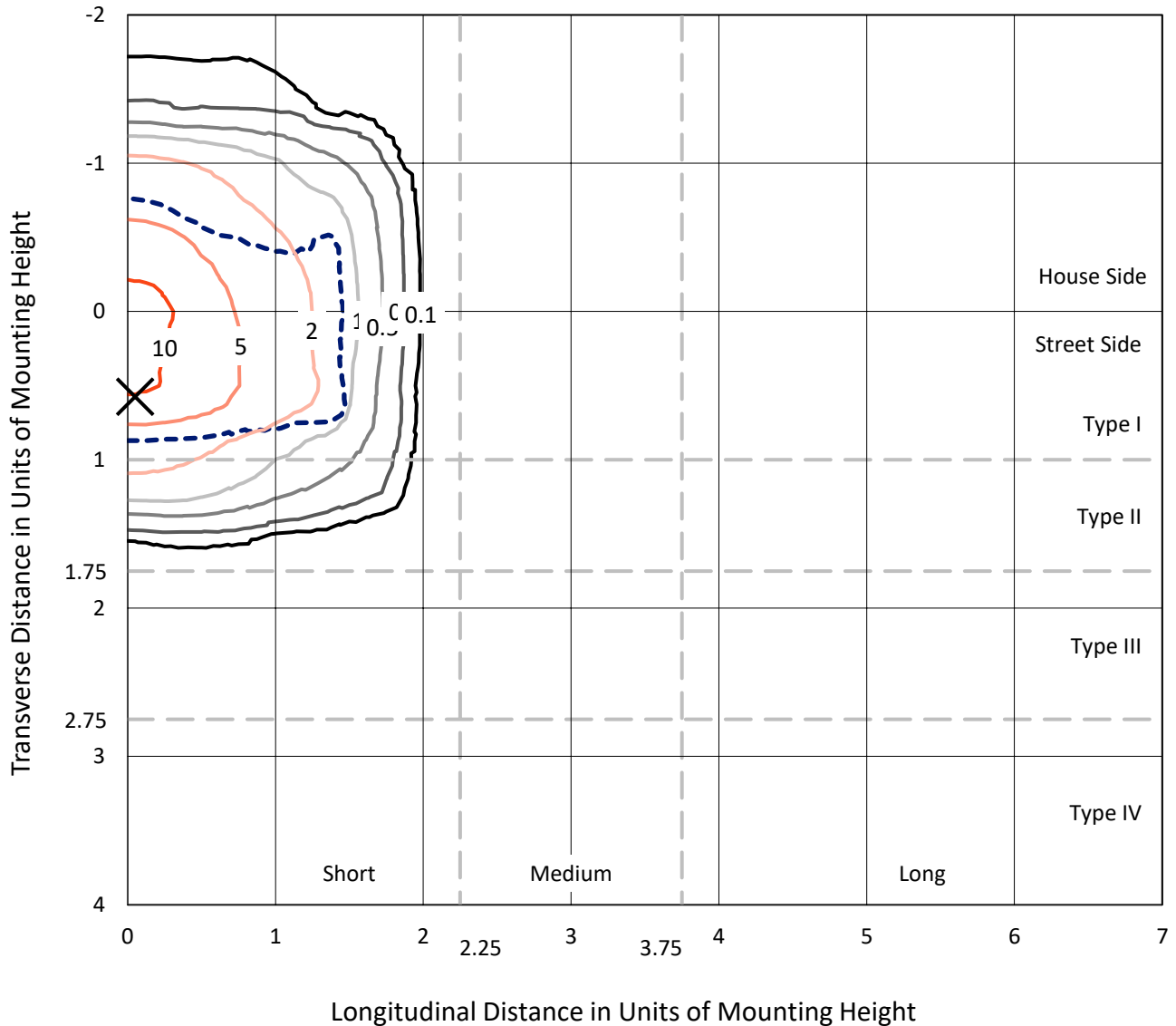
Lumens per Lamp: N/A  
Luminaire Lumens: 6214.2 lumens  
Efficiency: N/A  
Efficacy: 121.4 lumens/watt  
Luminous Opening: Rectangular (W 0.42' x L: 0.31' x H: 0')  
IES Classification: Type I - Short  
BUG Rating: B2 - U0 - G1  
  
Input Watts (W): 51.2  
Input Voltage (V): 120  
Input Current (Ain): 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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### Iso-Footcandle Lines of Horizontal Illumination

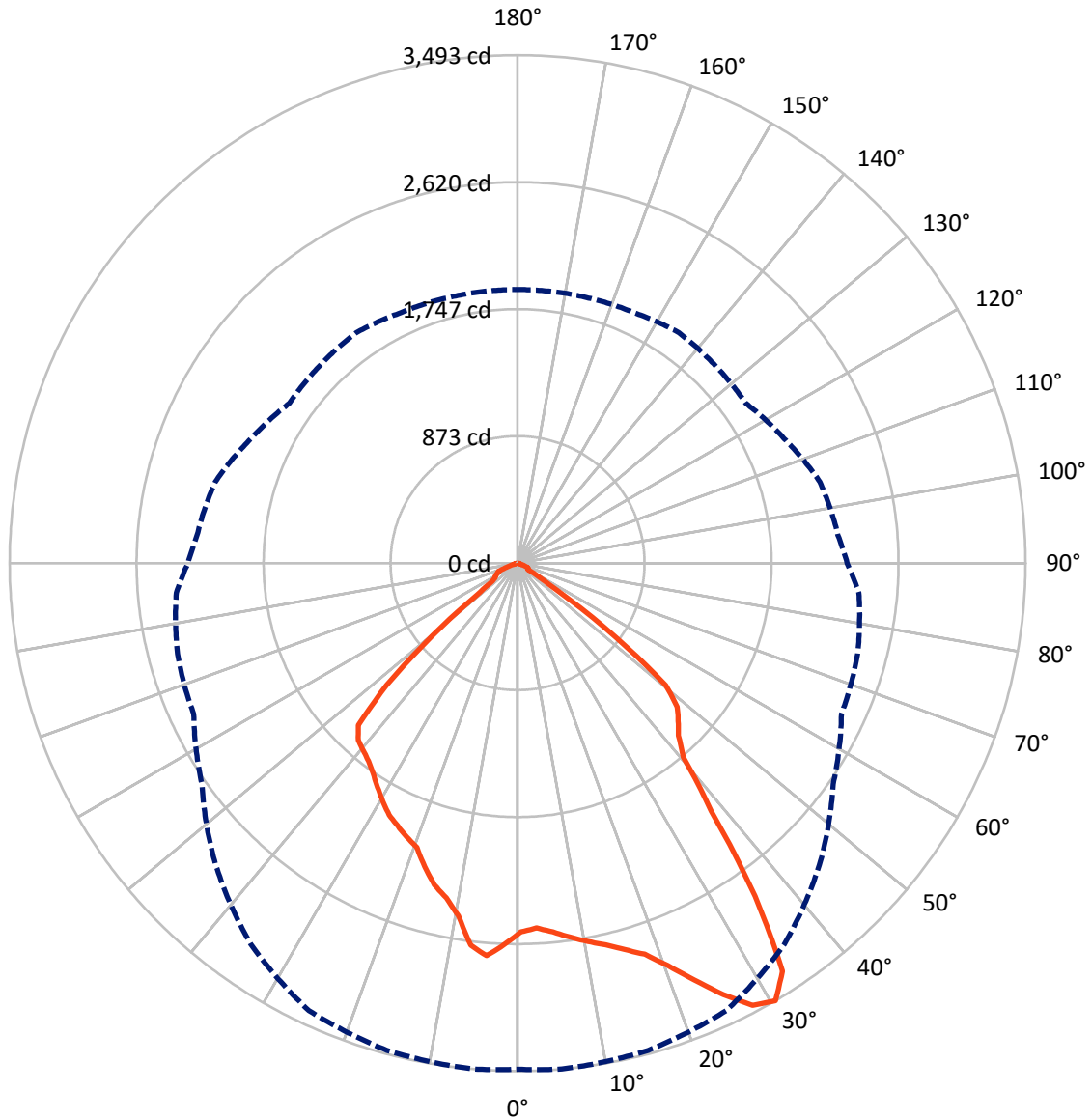
× Max cd  
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 11.6 fc  
 Type I - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 5-Deg Lateral      - - - Horizontal Cone Through 30-Deg Vertical

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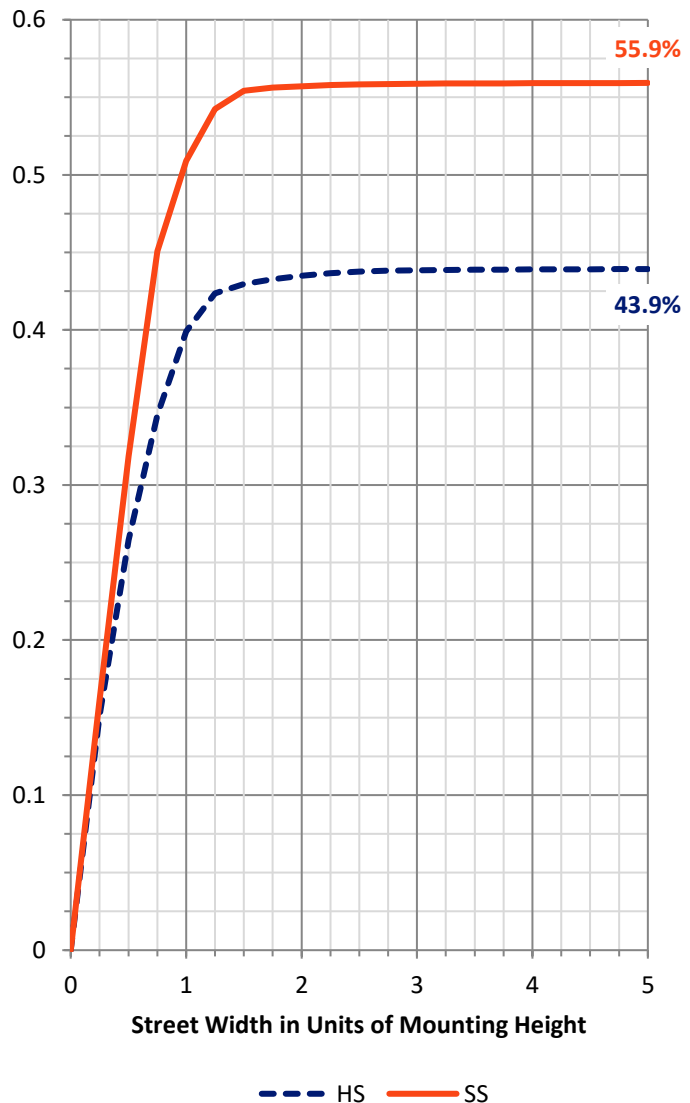
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	2748.5	0.0	2748.5
	% Fixture	44.2	0.0	44.2
<b>Street Side</b>	Lumens	3465.7	0.0	3465.7
	% Fixture	55.8	0.0	55.8
<b>Total</b>	Lumens	6214.2	0.0	6214.2
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	248.1	4.0
10°-20°	718.8	11.6
20°-30°	1145.4	18.4
30°-40°	1432.0	23.0
40°-50°	1405.2	22.6
50°-60°	1004.7	16.2
60°-70°	222.3	3.6
70°-80°	34.1	0.5
80°-90°	3.6	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°	6214.2	100.0
0°-180°	6214.2	100.0



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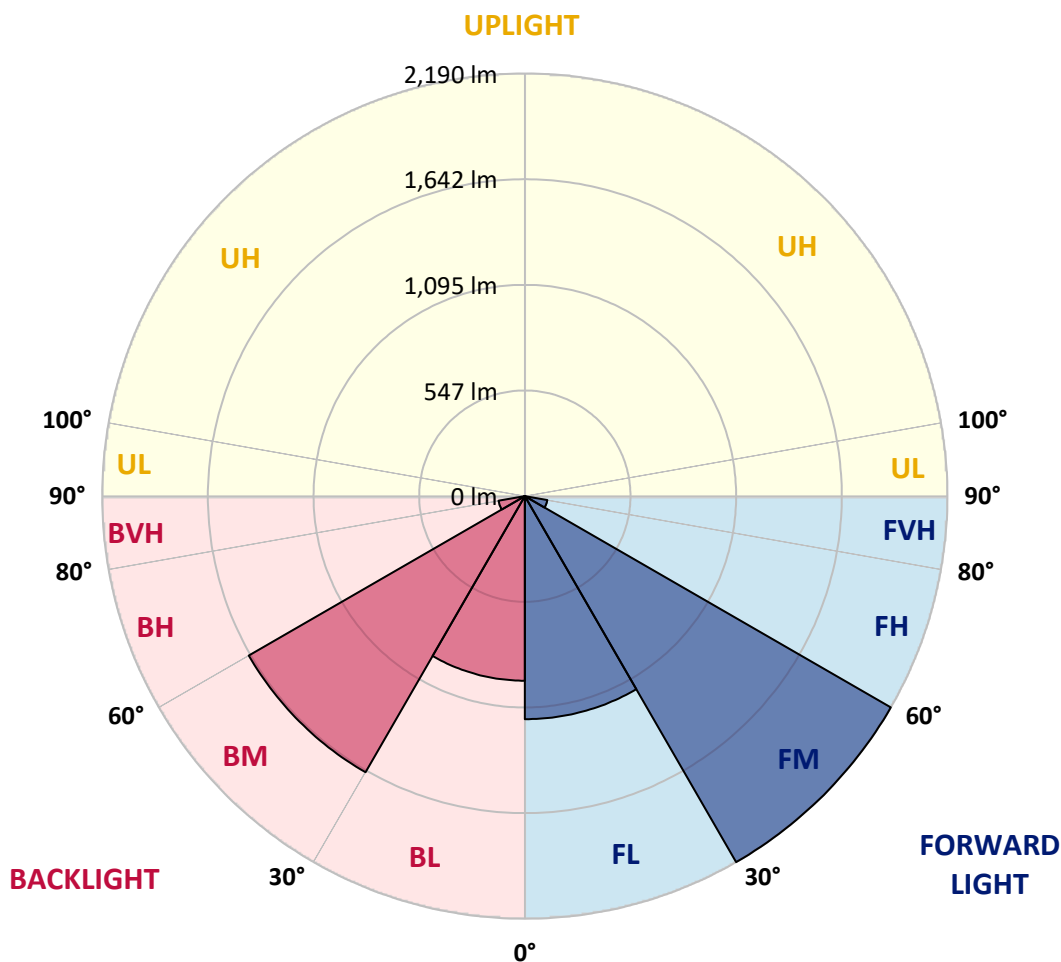
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1155.8	18.6			
FM (30°-60°)	2189.9	35.2			
FH (60°-80°)	118.2	1.9			G0/660
FVH (80°-90°)	1.8	0.0			G0/10
BL (0°-30°)	956.5	15.4	B2/1000		
BM (30°-60°)	1652.0	26.6	B2/2500		
BH (60°-80°)	138.2	2.2	B1/500		G1/500
BVH (80°-90°)	1.8	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B2-U0-G1**

Type I Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	2536.4	2536.4	2536.4	2536.4	2536.4	2536.4	2536.4	2536.4	2536.4	2536.4	2536.4
2.5°	2508.1	2512.1	2516.2	2522.3	2530.4	2534.4	2530.4	2526.3	2524.3	2528.3	2530.4
5°	2542.5	2548.6	2550.6	2554.7	2558.7	2554.7	2552.7	2548.6	2546.6	2548.6	2554.7
7.5°	2593.2	2597.3	2595.2	2593.2	2591.2	2577.0	2562.8	2556.7	2556.7	2562.8	2579.0
10°	2637.8	2645.9	2635.8	2627.7	2613.5	2591.2	2566.9	2552.7	2556.7	2568.9	2589.2
12.5°	2694.6	2694.6	2684.5	2676.3	2643.9	2617.5	2585.1	2562.8	2562.8	2585.1	2607.4
15°	2763.5	2757.4	2753.4	2731.1	2692.6	2650.0	2609.4	2577.0	2570.9	2605.4	2619.6
17.5°	2850.7	2828.4	2818.3	2779.7	2727.0	2672.3	2617.5	2591.2	2572.9	2609.4	2593.2
20°	2970.3	2954.1	2921.7	2860.8	2753.4	2682.4	2617.5	2583.1	2568.9	2589.2	2572.9
22.5°	3124.4	3114.3	3041.3	2964.3	2822.3	2690.5	2607.4	2560.8	2556.7	2546.6	2512.1
25°	3313.0	3286.6	3211.6	3102.1	2925.7	2769.6	2605.4	2520.2	2506.0	2479.7	2418.8
27.5°	3473.2	3444.8	3353.5	3256.2	3067.7	2887.2	2621.6	2471.6	2455.3	2437.1	2362.1
30°	3481.3	3493.4	3469.1	3396.1	3199.4	2935.9	2650.0	2457.4	2420.9	2356.0	2266.8
32.5°	3317.0	3345.4	3404.2	3430.6	3298.8	2994.7	2674.3	2463.5	2396.5	2240.4	2167.4
35°	2755.4	2812.2	3053.5	3280.5	3327.2	3079.8	2694.6	2463.5	2388.4	2157.3	2100.5
37.5°	2116.7	2163.4	2368.2	2779.7	3201.5	3132.5	2739.2	2449.3	2378.3	2163.4	2086.3
40°	1729.5	1755.8	1845.1	2124.9	2759.5	3045.4	2783.8	2465.5	2347.9	2167.4	2094.4
42.5°	1624.1	1622.0	1603.8	1707.2	2104.6	2789.9	2814.2	2506.0	2297.2	2141.1	2080.2
45°	1553.1	1549.0	1532.8	1553.1	1664.6	2283.0	2791.9	2579.0	2234.3	2047.8	2007.3
47.5°	1476.0	1478.1	1472.0	1480.1	1459.8	1733.5	2666.2	2609.4	2126.9	1891.7	1877.5
50°	1291.5	1322.0	1403.1	1411.2	1358.4	1399.0	2283.0	2595.2	2049.8	1847.1	1834.9
52.5°	802.9	851.6	1090.8	1293.6	1263.2	1263.2	1741.7	2615.5	1912.0	1830.9	1839.0
55°	283.9	320.4	583.9	890.1	1131.4	1153.7	1376.7	2327.6	1895.7	1859.2	1867.4
57.5°	71.0	87.2	178.4	385.2	762.4	1046.2	1230.7	1922.1	1439.5	1388.9	1409.1
60°	83.1	81.1	111.5	123.7	296.0	827.2	1109.1	1297.6	928.6	869.8	879.9
62.5°	89.2	83.1	87.2	109.5	48.7	405.5	884.0	772.5	383.2	283.9	300.1
65°	79.1	75.0	68.9	101.4	34.5	75.0	521.1	227.1	54.7	87.2	79.1
67.5°	52.7	54.7	56.8	81.1	32.4	32.4	68.9	56.8	38.5	79.1	68.9
70°	30.4	32.4	38.5	48.7	32.4	26.4	30.4	46.6	32.4	79.1	68.9
72.5°	18.2	18.2	18.2	20.3	32.4	22.3	20.3	38.5	28.4	73.0	68.9
75°	14.2	14.2	14.2	12.2	28.4	14.2	14.2	30.4	24.3	52.7	52.7
77.5°	12.2	12.2	12.2	10.1	16.2	12.2	12.2	22.3	22.3	26.4	30.4
80°	8.1	8.1	8.1	8.1	10.1	10.1	8.1	12.2	10.1	12.2	14.2
82.5°	4.1	6.1	6.1	4.1	6.1	6.1	6.1	8.1	6.1	8.1	8.1
85°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	4.1	2.0	2.0	4.1
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



REPORT NUMBER: P980943  
 CATALOG NUMBER: NFFLD-S-C15-7027-66

**CANDELA DISTRIBUTION (continued):**

	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	2536.4	2536.4	2536.4	2536.4	2536.4	2536.4	2536.4	2536.4	2536.4	2536.4
2.5°	2534.4	2544.6	2558.7	2581.1	2589.2	2603.4	2615.5	2625.7	2625.7	2621.6
5°	2566.9	2595.2	2633.8	2668.2	2680.4	2694.6	2700.7	2710.8	2708.8	2706.8
7.5°	2595.2	2639.8	2680.4	2704.7	2700.7	2682.4	2670.3	2654.0	2648.0	2652.0
10°	2617.5	2658.1	2676.3	2660.1	2611.5	2568.9	2514.1	2477.6	2459.4	2465.5
12.5°	2625.7	2639.8	2623.6	2534.4	2473.6	2433.0	2388.4	2364.1	2354.0	2356.0
15°	2627.7	2595.2	2506.0	2439.1	2394.5	2343.8	2307.3	2285.0	2285.0	2287.1
17.5°	2585.1	2506.0	2429.0	2378.3	2315.4	2262.7	2242.5	2234.3	2183.7	2191.8
20°	2546.6	2433.0	2390.5	2311.4	2236.4	2201.9	2084.3	2072.1	2074.2	2076.2
22.5°	2465.5	2380.3	2341.8	2238.4	2153.2	2057.9	2041.7	2029.6	2031.6	2031.6
25°	2354.0	2305.3	2252.6	2145.1	2041.7	2023.5	2011.3	1995.1	1987.0	1989.0
27.5°	2291.1	2230.3	2133.0	2041.7	1974.8	1982.9	1968.7	1944.4	1944.4	1946.4
30°	2212.0	2153.2	2023.5	1916.0	1922.1	1934.3	1899.8	1887.6	1881.6	1881.6
32.5°	2114.7	2033.6	1920.1	1818.7	1855.2	1851.1	1808.6	1812.6	1816.7	1812.6
35°	2041.7	1936.3	1841.0	1786.3	1772.1	1755.8	1733.5	1747.7	1753.8	1749.8
37.5°	2023.5	1897.8	1798.4	1759.9	1705.2	1674.7	1680.8	1695.0	1703.1	1701.1
40°	2017.4	1859.2	1761.9	1721.4	1648.4	1622.0	1630.1	1658.5	1668.7	1666.6
42.5°	2009.3	1832.9	1739.6	1691.0	1589.6	1571.3	1609.9	1636.2	1638.2	1636.2
45°	1966.7	1804.5	1725.4	1628.1	1500.4	1522.7	1571.3	1585.5	1561.2	1551.1
47.5°	1867.4	1751.8	1682.9	1551.1	1427.4	1470.0	1476.0	1322.0	1232.7	1212.5
50°	1839.0	1753.8	1634.2	1459.8	1382.8	1425.4	1159.7	886.0	774.5	752.2
52.5°	1830.9	1733.5	1652.4	1364.5	1366.6	1202.3	731.9	433.9	348.7	332.5
55°	1851.1	1822.8	1682.9	1307.8	1271.3	782.6	340.6	204.8	210.9	204.8
57.5°	1397.0	1524.7	1719.3	1218.5	928.6	377.1	214.9	198.7	184.5	180.5
60°	871.8	993.5	1259.1	1048.2	476.5	225.1	219.0	184.5	178.4	176.4
62.5°	287.9	442.0	721.8	689.4	131.8	223.0	221.0	164.2	164.2	164.2
65°	73.0	75.0	198.7	237.2	97.3	198.7	210.9	154.1	150.0	156.1
67.5°	62.9	56.8	105.4	93.3	81.1	137.9	184.5	148.0	139.9	139.9
70°	62.9	66.9	103.4	87.2	50.7	75.0	133.8	91.2	81.1	75.0
72.5°	58.8	64.9	91.2	79.1	34.5	36.5	58.8	30.4	28.4	24.3
75°	50.7	52.7	71.0	71.0	36.5	18.2	24.3	20.3	20.3	18.2
77.5°	34.5	26.4	40.6	50.7	26.4	12.2	10.1	10.1	10.1	8.1
80°	18.2	10.1	10.1	8.1	10.1	10.1	6.1	8.1	8.1	6.1
82.5°	10.1	6.1	6.1	4.1	4.1	6.1	4.1	4.1	4.1	4.1
85°	4.1	4.1	2.0	2.0	2.0	4.1	2.0	2.0	2.0	2.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	2.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

LM-79-2019: Approved Method: Electrical and Photometric Measurements of Solid-  
State Lighting Products

Report Prepared for

Cooper Lighting Solutions

Lumark

Report Number: SP1-2501-319-9

Test Date: 02/05/2025

Luminaire Tested: NFFLD-C55-7027-66

Data in this report applies to families of products including NFFLD-C55-7027-66

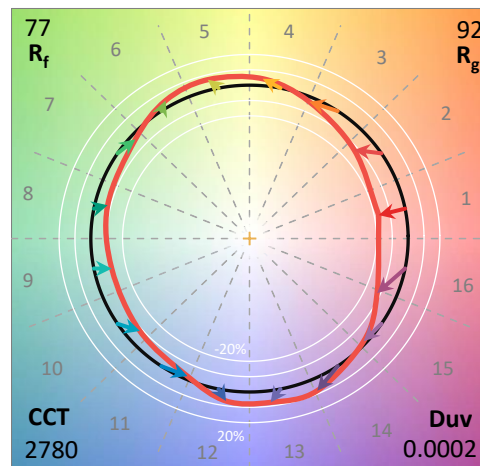
**Test Information**

Test Method: LM-79-2019  
 Report Number: SP1-2501-319-9  
 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-C55-7027-66**  
 Description: LUMARK NIGHT FALCON 16900LM NEMA 6

**Spectral Parameters**

CCT (K): 2780  
 CIE u': 0.2590  
 CIE v': 0.5260  
 Duv: 0.0002  
 CIE x: 0.4536  
 CIE y: 0.4095  
 CIE z: 0.1369  
 Peak Wavelength (nm): 597  
 Dominant Wavelength (nm): 583  
 Purity: 59.08593  
 Rf: 77.4  
 Rg: 92.5

CRI (Ra):	72.0		
R1:	68.2	R9:	-35.8
R2:	85.1	R10:	68.0
R3:	93.3	R11:	62.3
R4:	66.5	R12:	62.2
R5:	68.5	R13:	71.6
R6:	81.1	R14:	96.6
R7:	74.6	R15:	59.0
R8:	38.9		



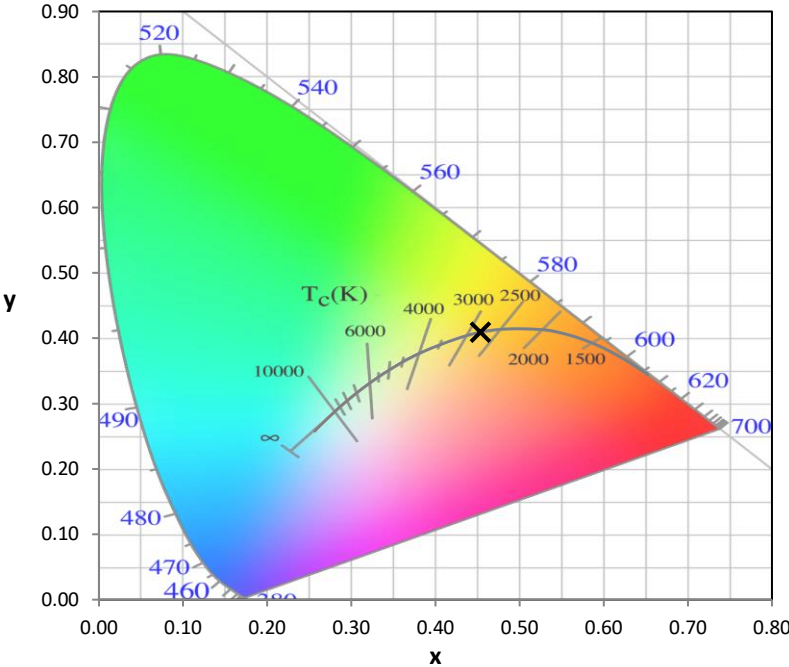
**Test Conditions**  
 Stabilization Time: 20M  
 Operation Time: 1H 20M  
 Sphere Temperature (°C): 25.0

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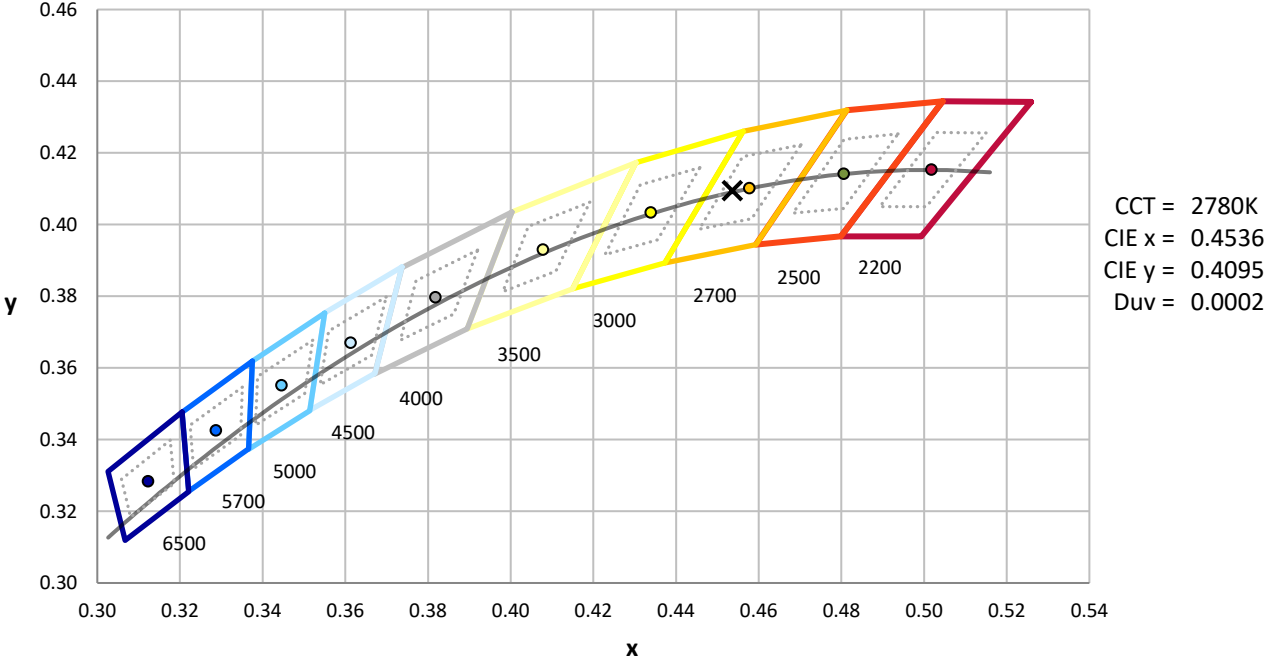
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	12/16/2024	6/16/2025
Power Meter	INXT2011004	1/21/2025	1/21/2026
AC Power Source	IN0063	10/22/2024	10/22/2025
DC Power Source	IN0208	10/22/2024	10/22/2025
Sphere Thermometer	IN0085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

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CIE 1931 Chromaticity Diagram



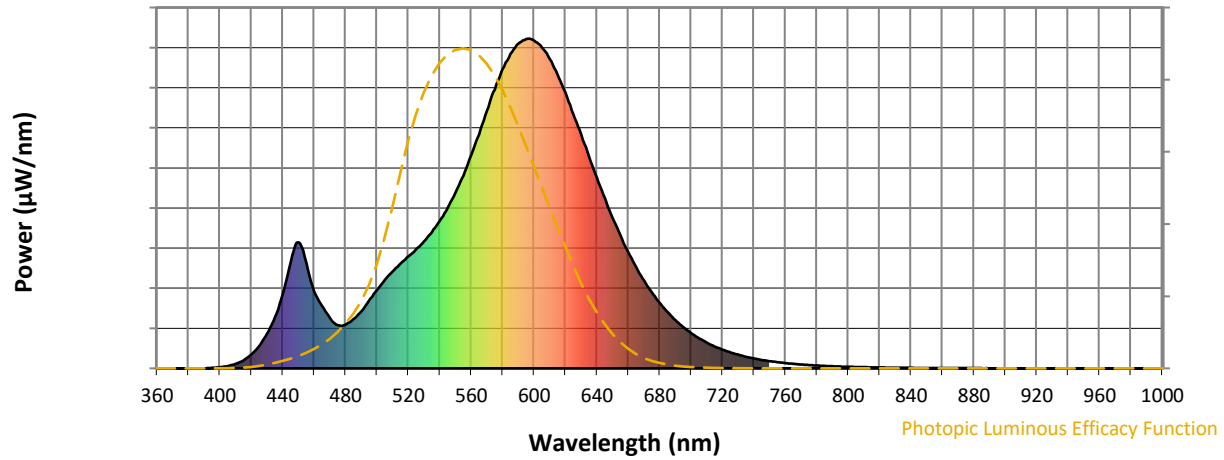
CIE 1931 Chromaticity Diagram with 2017 ANSI 7-Step and 4-Step Quadrangles



Point lies inside the ANSI 2700K 4-step quadrangle

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**Photopic Flux vs. Wavelength**

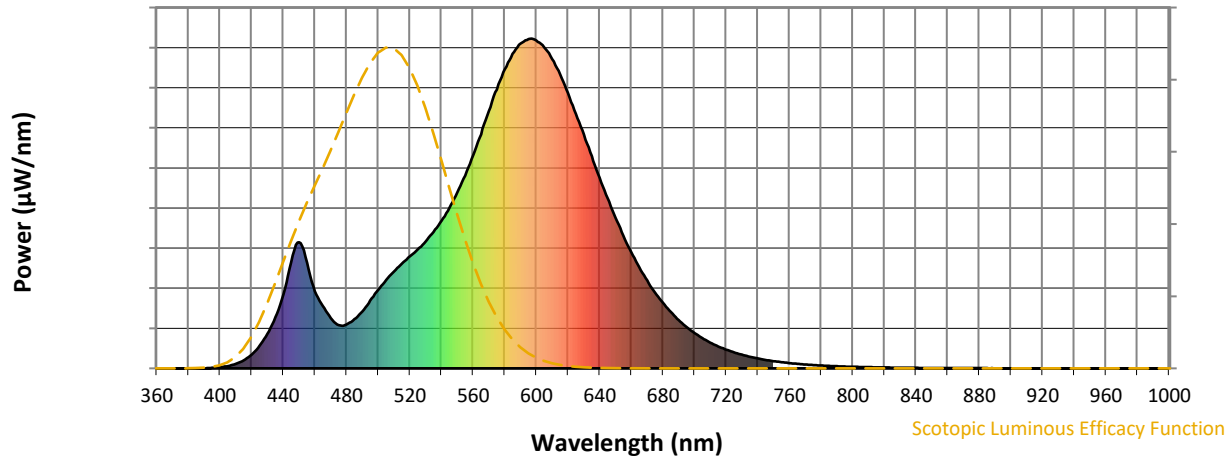


**Photopic Lumens: NR**

$\lambda$ (nm)	Power W <sup>^</sup> /nm	Lumens ( $\phi$ /nm)	$\lambda$ (nm)	Power W <sup>^</sup> /nm	Lumens ( $\phi$ /nm)	$\lambda$ (nm)	Power W <sup>^</sup> /nm	Lumens ( $\phi$ /nm)	$\lambda$ (nm)	Power W <sup>^</sup> /nm	Lumens ( $\phi$ /nm)	$\lambda$ (nm)	Power W <sup>^</sup> /nm	Lumens ( $\phi$ /nm)
360	0	NR	490	173	NR	620	836	NR	750	22	NR	880	1	NR
365	0	NR	495	205	NR	625	771	NR	755	19	NR	885	1	NR
370	0	NR	500	238	NR	630	710	NR	760	16	NR	890	0	NR
375	0	NR	505	268	NR	635	643	NR	765	14	NR	895	0	NR
380	0	NR	510	294	NR	640	578	NR	770	12	NR	900	0	NR
385	0	NR	515	317	NR	645	516	NR	775	10	NR	905	0	NR
390	0	NR	520	340	NR	650	456	NR	780	9	NR	910	0	NR
395	2	NR	525	361	NR	655	403	NR	785	8	NR	915	0	NR
400	4	NR	530	386	NR	660	352	NR	790	6	NR	920	0	NR
405	7	NR	535	413	NR	665	307	NR	795	6	NR	925	0	NR
410	14	NR	540	447	NR	670	266	NR	800	5	NR	930	0	NR
415	25	NR	545	487	NR	675	230	NR	805	4	NR	935	0	NR
420	42	NR	550	533	NR	680	199	NR	810	4	NR	940	0	NR
425	68	NR	555	585	NR	685	170	NR	815	3	NR	945	0	NR
430	104	NR	560	647	NR	690	147	NR	820	3	NR	950	0	NR
435	155	NR	565	710	NR	695	125	NR	825	2	NR	955	0	NR
440	224	NR	570	780	NR	700	107	NR	830	2	NR	960	0	NR
445	322	NR	575	846	NR	705	92	NR	835	2	NR	965	0	NR
450	382	NR	580	907	NR	710	78	NR	840	2	NR	970	0	NR
455	321	NR	585	954	NR	715	66	NR	845	1	NR	975	0	NR
460	234	NR	590	985	NR	720	57	NR	850	1	NR	980	0	NR
465	189	NR	595	999	NR	725	48	NR	855	1	NR	985	0	NR
470	152	NR	600	994	NR	730	41	NR	860	1	NR	990	0	NR
475	131	NR	605	973	NR	735	35	NR	865	1	NR	995	0	NR
480	133	NR	610	938	NR	740	30	NR	870	1	NR	1000	0	NR
485	150	NR	615	891	NR	745	26	NR	875	1	NR			

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Scotopic Flux vs. Wavelength



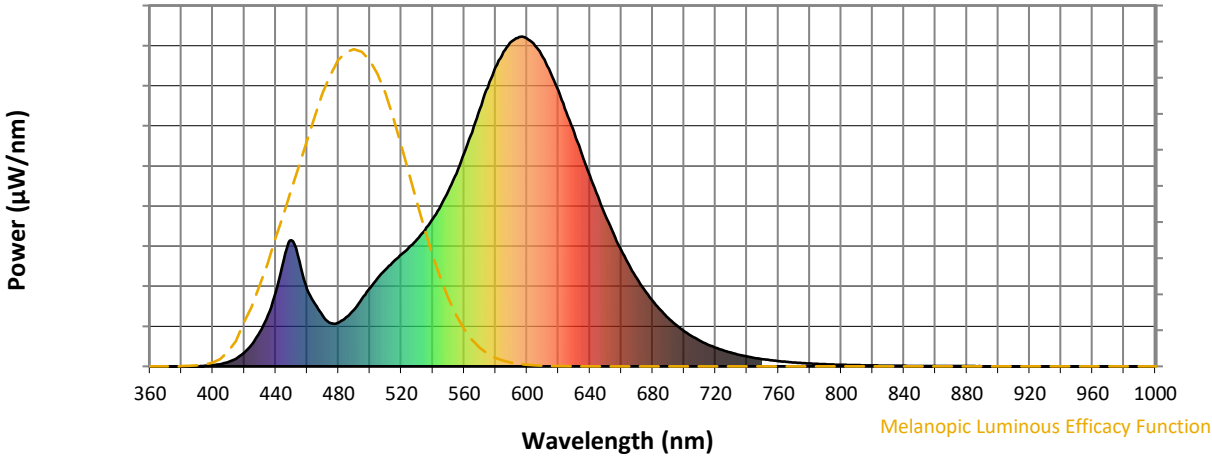
Scotopic Lumens: NR

S/P: 1.17

λ (nm)	Power W <sup>^</sup> /nm	Lumens (φ/nm)	λ (nm)	Power W <sup>^</sup> /nm	Lumens (φ/nm)	λ (nm)	Power W <sup>^</sup> /nm	Lumens (φ/nm)	λ (nm)	Power W <sup>^</sup> /nm	Lumens (φ/nm)	λ (nm)	Power W <sup>^</sup> /nm	Lumens (φ/nm)
360	0	NR	490	173	NR	620	836	NR	750	22	NR	880	1	NR
365	0	NR	495	205	NR	625	771	NR	755	19	NR	885	1	NR
370	0	NR	500	238	NR	630	710	NR	760	16	NR	890	0	NR
375	0	NR	505	268	NR	635	643	NR	765	14	NR	895	0	NR
380	0	NR	510	294	NR	640	578	NR	770	12	NR	900	0	NR
385	0	NR	515	317	NR	645	516	NR	775	10	NR	905	0	NR
390	0	NR	520	340	NR	650	456	NR	780	9	NR	910	0	NR
395	2	NR	525	361	NR	655	403	NR	785	8	NR	915	0	NR
400	4	NR	530	386	NR	660	352	NR	790	6	NR	920	0	NR
405	7	NR	535	413	NR	665	307	NR	795	6	NR	925	0	NR
410	14	NR	540	447	NR	670	266	NR	800	5	NR	930	0	NR
415	25	NR	545	487	NR	675	230	NR	805	4	NR	935	0	NR
420	42	NR	550	533	NR	680	199	NR	810	4	NR	940	0	NR
425	68	NR	555	585	NR	685	170	NR	815	3	NR	945	0	NR
430	104	NR	560	647	NR	690	147	NR	820	3	NR	950	0	NR
435	155	NR	565	710	NR	695	125	NR	825	2	NR	955	0	NR
440	224	NR	570	780	NR	700	107	NR	830	2	NR	960	0	NR
445	322	NR	575	846	NR	705	92	NR	835	2	NR	965	0	NR
450	382	NR	580	907	NR	710	78	NR	840	2	NR	970	0	NR
455	321	NR	585	954	NR	715	66	NR	845	1	NR	975	0	NR
460	234	NR	590	985	NR	720	57	NR	850	1	NR	980	0	NR
465	189	NR	595	999	NR	725	48	NR	855	1	NR	985	0	NR
470	152	NR	600	994	NR	730	41	NR	860	1	NR	990	0	NR
475	131	NR	605	973	NR	735	35	NR	865	1	NR	995	0	NR
480	133	NR	610	938	NR	740	30	NR	870	1	NR	1000	0	NR
485	150	NR	615	891	NR	745	26	NR	875	1	NR			

REPORT NUMBER: SP1-2501-319-9

Melanopic Flux vs. Wavelength



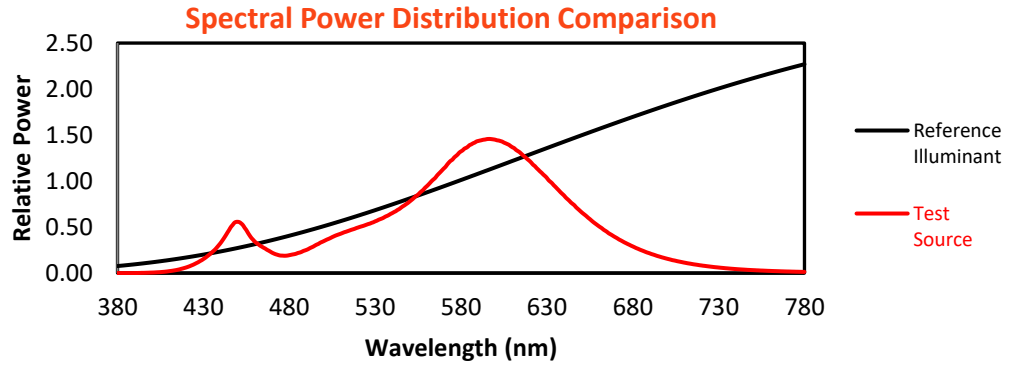
Melanopic Lumens: NR

M/P: 2.15

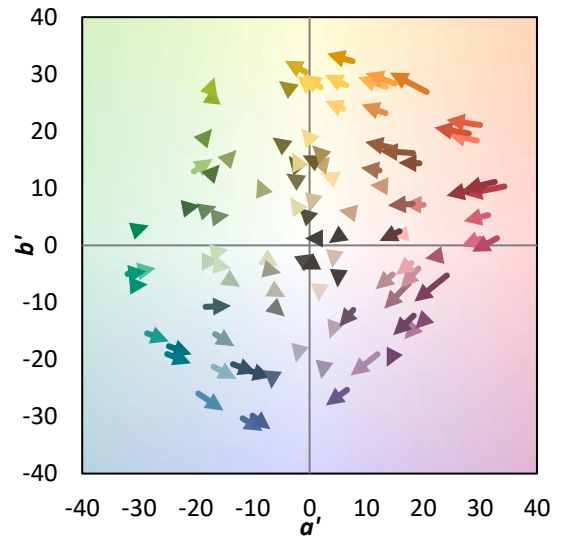
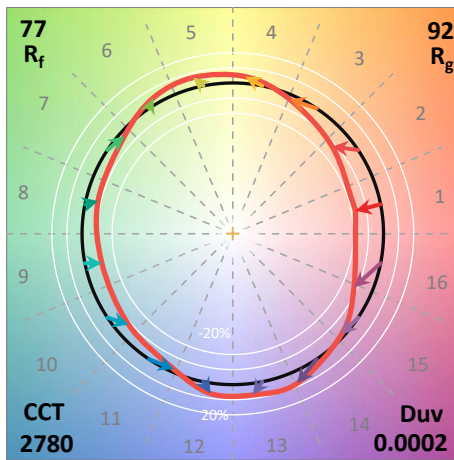
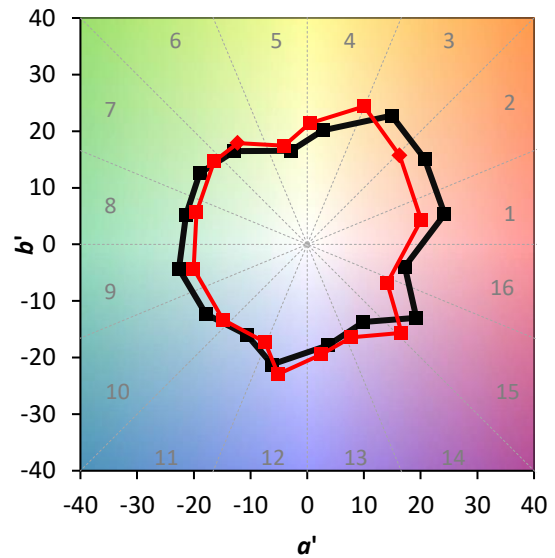
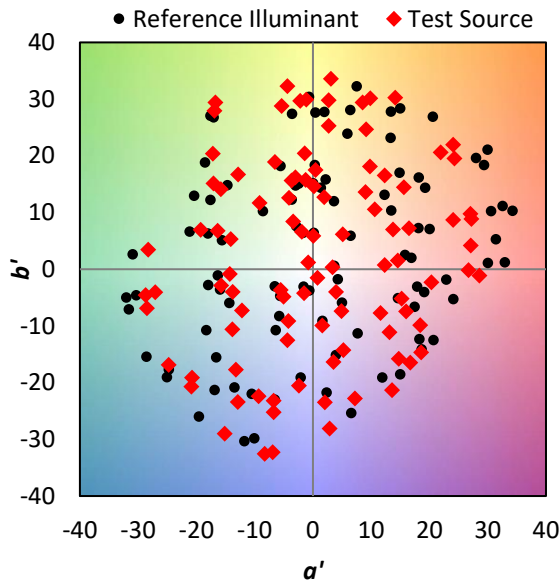
λ (nm)	Power W <sup>^</sup> /nm	Lumens (φ/nm)	λ (nm)	Power W <sup>^</sup> /nm	Lumens (φ/nm)	λ (nm)	Power W <sup>^</sup> /nm	Lumens (φ/nm)	λ (nm)	Power W <sup>^</sup> /nm	Lumens (φ/nm)	λ (nm)	Power W <sup>^</sup> /nm	Lumens (φ/nm)
360	0	NR	490	173	NR	620	836	NR	750	22	NR	880	1	NR
365	0	NR	495	205	NR	625	771	NR	755	19	NR	885	1	NR
370	0	NR	500	238	NR	630	710	NR	760	16	NR	890	0	NR
375	0	NR	505	268	NR	635	643	NR	765	14	NR	895	0	NR
380	0	NR	510	294	NR	640	578	NR	770	12	NR	900	0	NR
385	0	NR	515	317	NR	645	516	NR	775	10	NR	905	0	NR
390	0	NR	520	340	NR	650	456	NR	780	9	NR	910	0	NR
395	2	NR	525	361	NR	655	403	NR	785	8	NR	915	0	NR
400	4	NR	530	386	NR	660	352	NR	790	6	NR	920	0	NR
405	7	NR	535	413	NR	665	307	NR	795	6	NR	925	0	NR
410	14	NR	540	447	NR	670	266	NR	800	5	NR	930	0	NR
415	25	NR	545	487	NR	675	230	NR	805	4	NR	935	0	NR
420	42	NR	550	533	NR	680	199	NR	810	4	NR	940	0	NR
425	68	NR	555	585	NR	685	170	NR	815	3	NR	945	0	NR
430	104	NR	560	647	NR	690	147	NR	820	3	NR	950	0	NR
435	155	NR	565	710	NR	695	125	NR	825	2	NR	955	0	NR
440	224	NR	570	780	NR	700	107	NR	830	2	NR	960	0	NR
445	322	NR	575	846	NR	705	92	NR	835	2	NR	965	0	NR
450	382	NR	580	907	NR	710	78	NR	840	2	NR	970	0	NR
455	321	NR	585	954	NR	715	66	NR	845	1	NR	975	0	NR
460	234	NR	590	985	NR	720	57	NR	850	1	NR	980	0	NR
465	189	NR	595	999	NR	725	48	NR	855	1	NR	985	0	NR
470	152	NR	600	994	NR	730	41	NR	860	1	NR	990	0	NR
475	131	NR	605	973	NR	735	35	NR	865	1	NR	995	0	NR
480	133	NR	610	938	NR	740	30	NR	870	1	NR	1000	0	NR
485	150	NR	615	891	NR	745	26	NR	875	1	NR			

**Summary**

$R_f = 77.4$   
 $R_g = 92.5$   
 CIE  $R_a = 72.0$   
 $R_9 = -35.8$

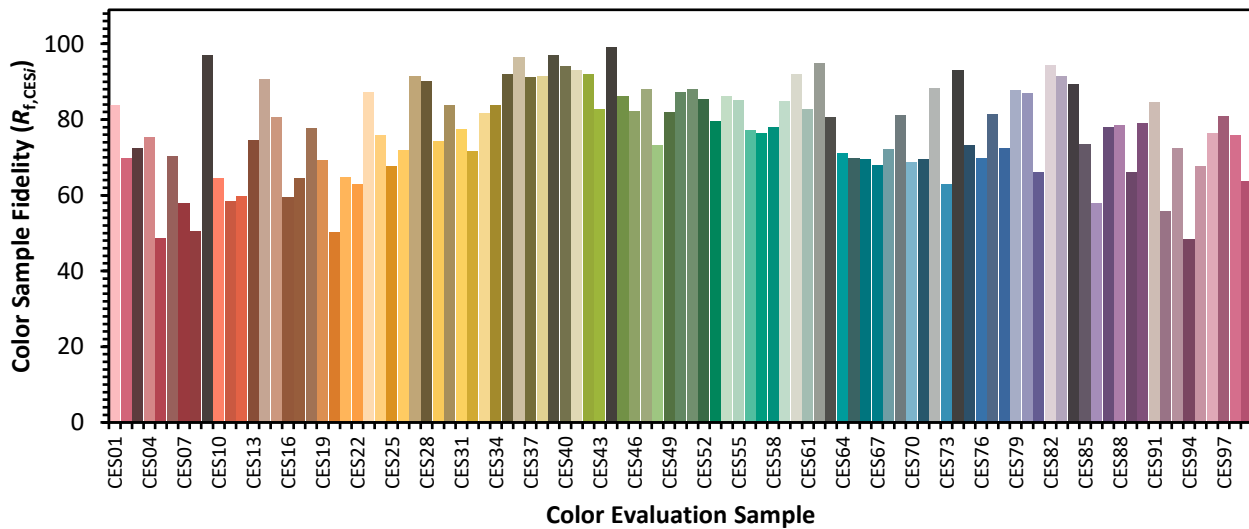


**Color Vector Graphics**

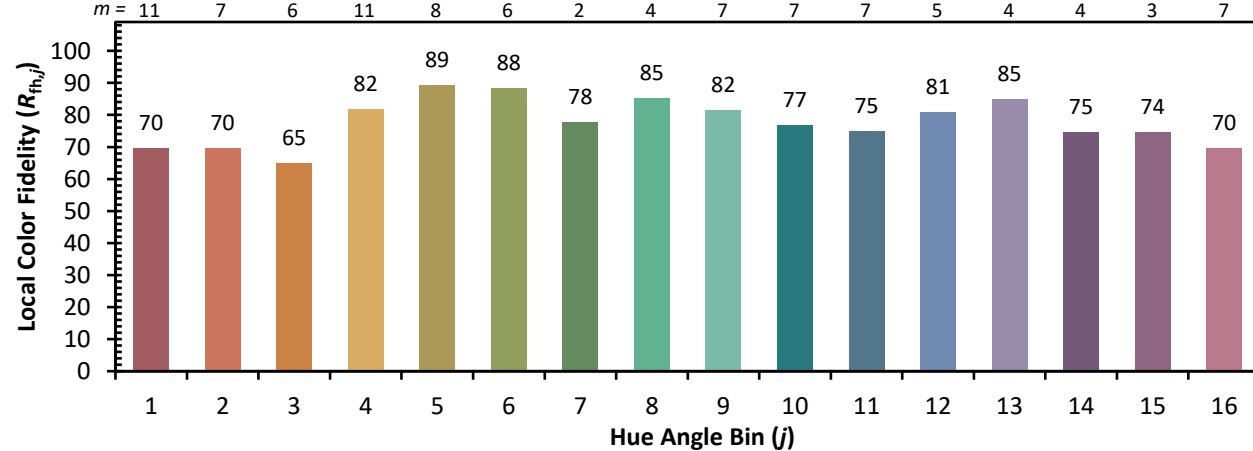
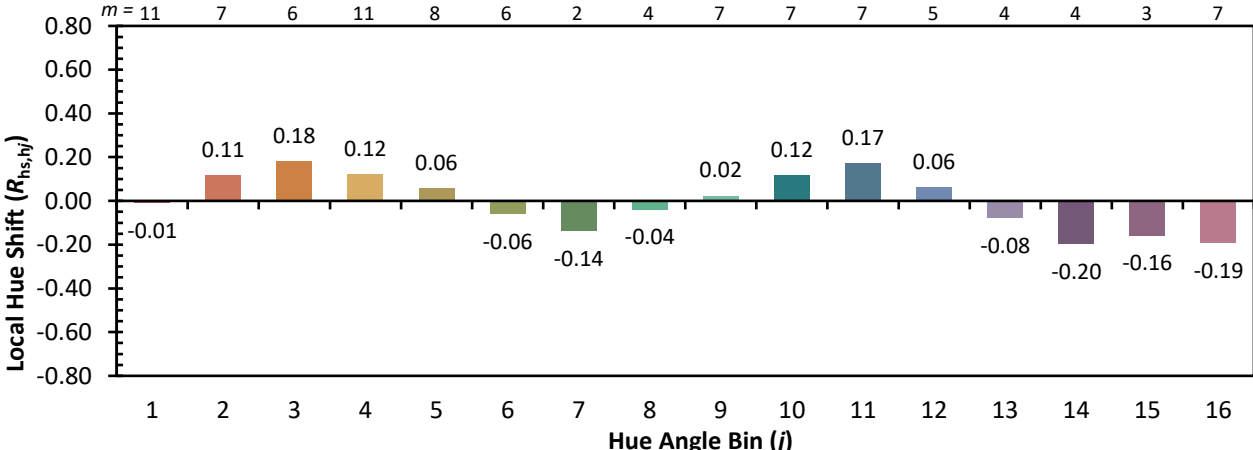
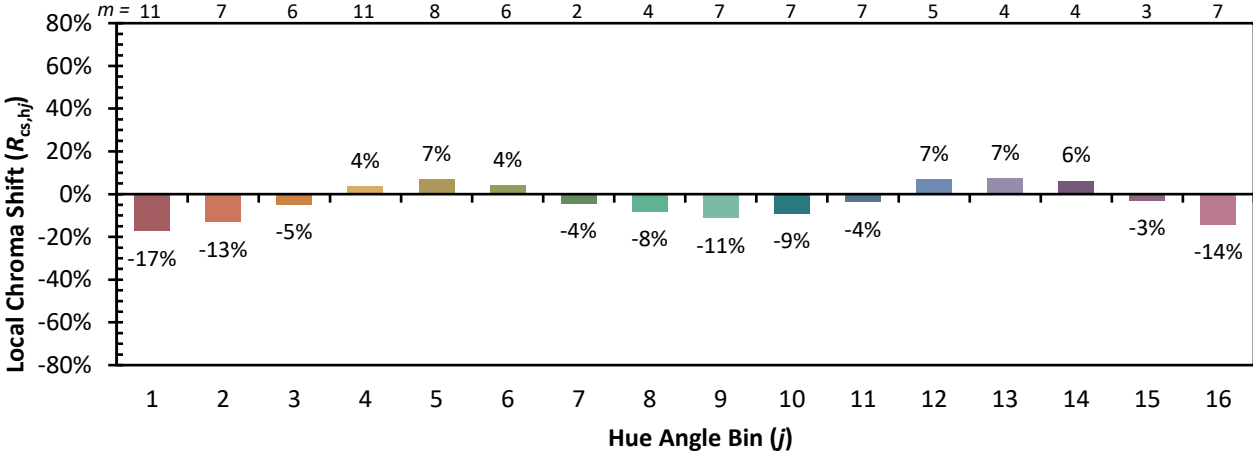


**Individual Sample Fidelity Index ( $R_{f,i}$ )**

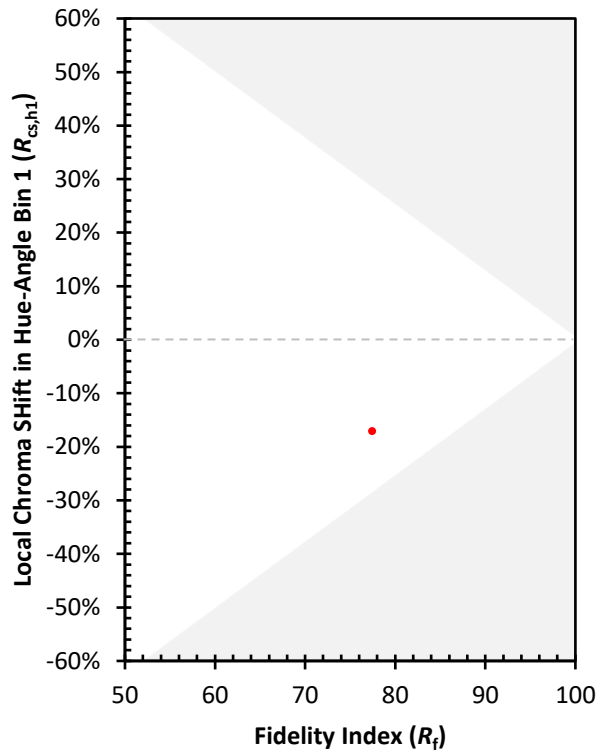
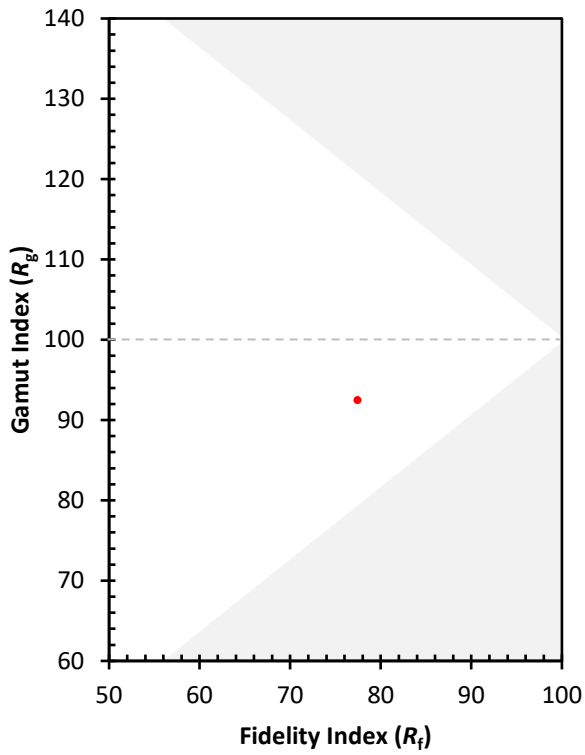
CES01 = 86	CES26 = 72	CES51 = 88	CES76 = 70
CES02 = 63	CES27 = 91	CES52 = 85	CES77 = 81
CES03 = 31	CES28 = 90	CES53 = 80	CES78 = 73
CES04 = 71	CES29 = 74	CES54 = 86	CES79 = 88
CES05 = 50	CES30 = 84	CES55 = 85	CES80 = 87
CES06 = 52	CES31 = 77	CES56 = 77	CES81 = 66
CES07 = 42	CES32 = 72	CES57 = 76	CES82 = 95
CES08 = 40	CES33 = 82	CES58 = 78	CES83 = 91
CES09 = 29	CES34 = 84	CES59 = 85	CES84 = 89
CES10 = 77	CES35 = 92	CES60 = 92	CES85 = 74
CES11 = 60	CES36 = 96	CES61 = 83	CES86 = 58
CES12 = 66	CES37 = 91	CES62 = 95	CES87 = 78
CES13 = 43	CES38 = 92	CES63 = 81	CES88 = 78
CES14 = 74	CES39 = 97	CES64 = 71	CES89 = 66
CES15 = 72	CES40 = 94	CES65 = 70	CES90 = 79
CES16 = 47	CES41 = 93	CES66 = 70	CES91 = 85
CES17 = 50	CES42 = 92	CES67 = 68	CES92 = 56
CES18 = 57	CES43 = 83	CES68 = 72	CES93 = 73
CES19 = 73	CES44 = 99	CES69 = 81	CES94 = 48
CES20 = 67	CES45 = 86	CES70 = 69	CES95 = 68
CES21 = 87	CES46 = 82	CES71 = 70	CES96 = 77
CES22 = 80	CES47 = 88	CES72 = 88	CES97 = 81
CES23 = 92	CES48 = 73	CES73 = 63	CES98 = 76
CES24 = 91	CES49 = 82	CES74 = 93	CES99 = 64
CES25 = 73	CES50 = 87	CES75 = 73	



Color Rendition by Hue-Angle Bin



Measure Comparisons



(END OF REPORT)