

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: STREETWORKS

Report Number: P991003

Luminaire Tested: **UFLD-CA2-120-727-U-66**

Issue Date: 04/10/2025



Test Information

Test Method: LM-79-08
Report Number: P991003
Test Lab: INNOVATION CENTER(G2)
Issue Date: 04/10/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: UFLD-CA2-120-727-U-66
Description: UTILITY FLOOD MEDIUM SIZE 120W 70CRI 2700K LED FIXTURE NEMA 6
Light Source: (2) 2700K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 19157.9 lumens
Efficiency: N/A
Efficacy: 154.6 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.31' x H: 0')
IES Classification: Type I - Short
BUG Rating: B4 - U0 - G1

Input Watts (W): 123.9
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: 0.99
Total Harmonic Distortion (THDi): 3.0%
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT

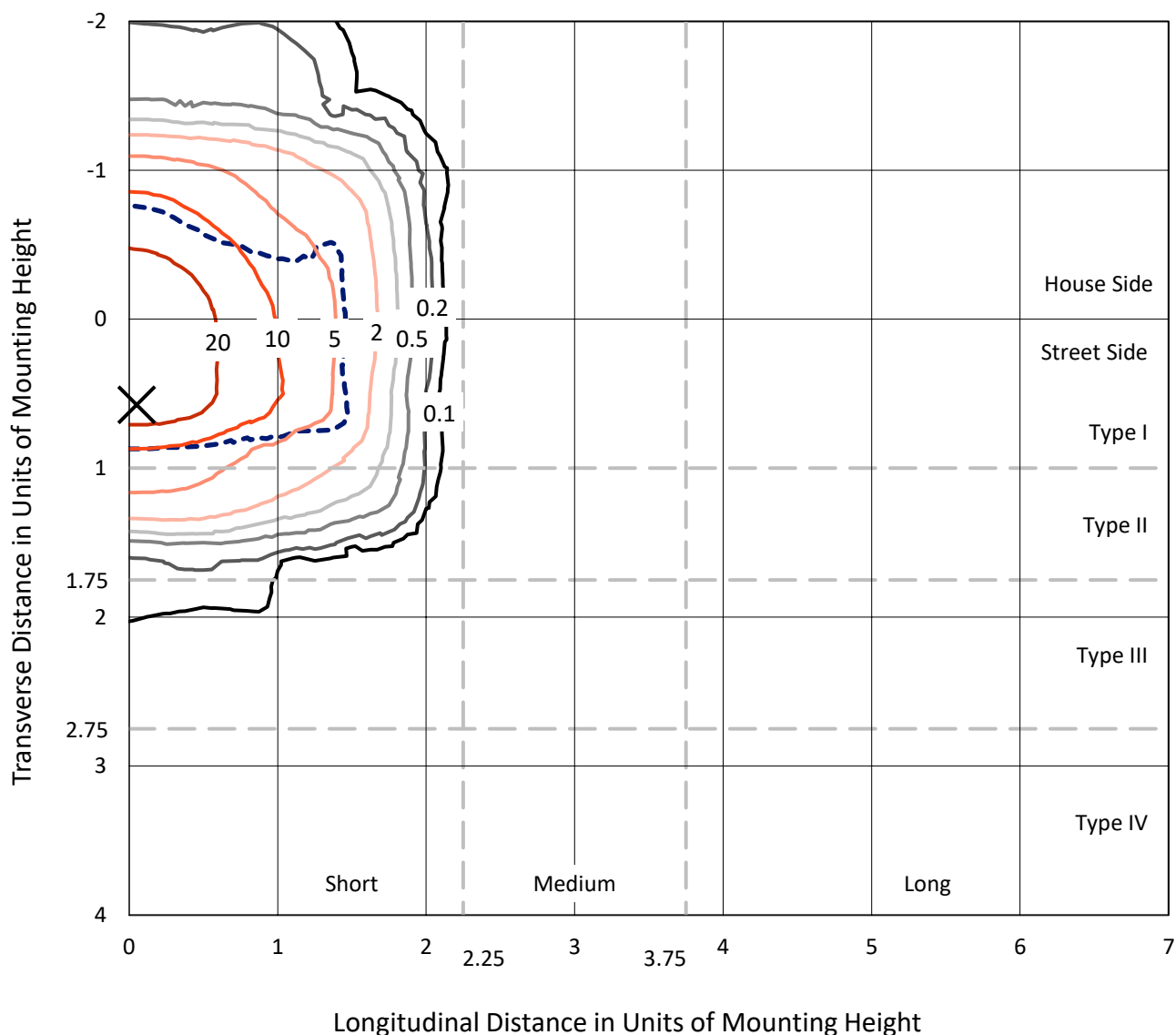
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CATALOG NUMBER: UFLD-CA2-120-727-U-66

Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

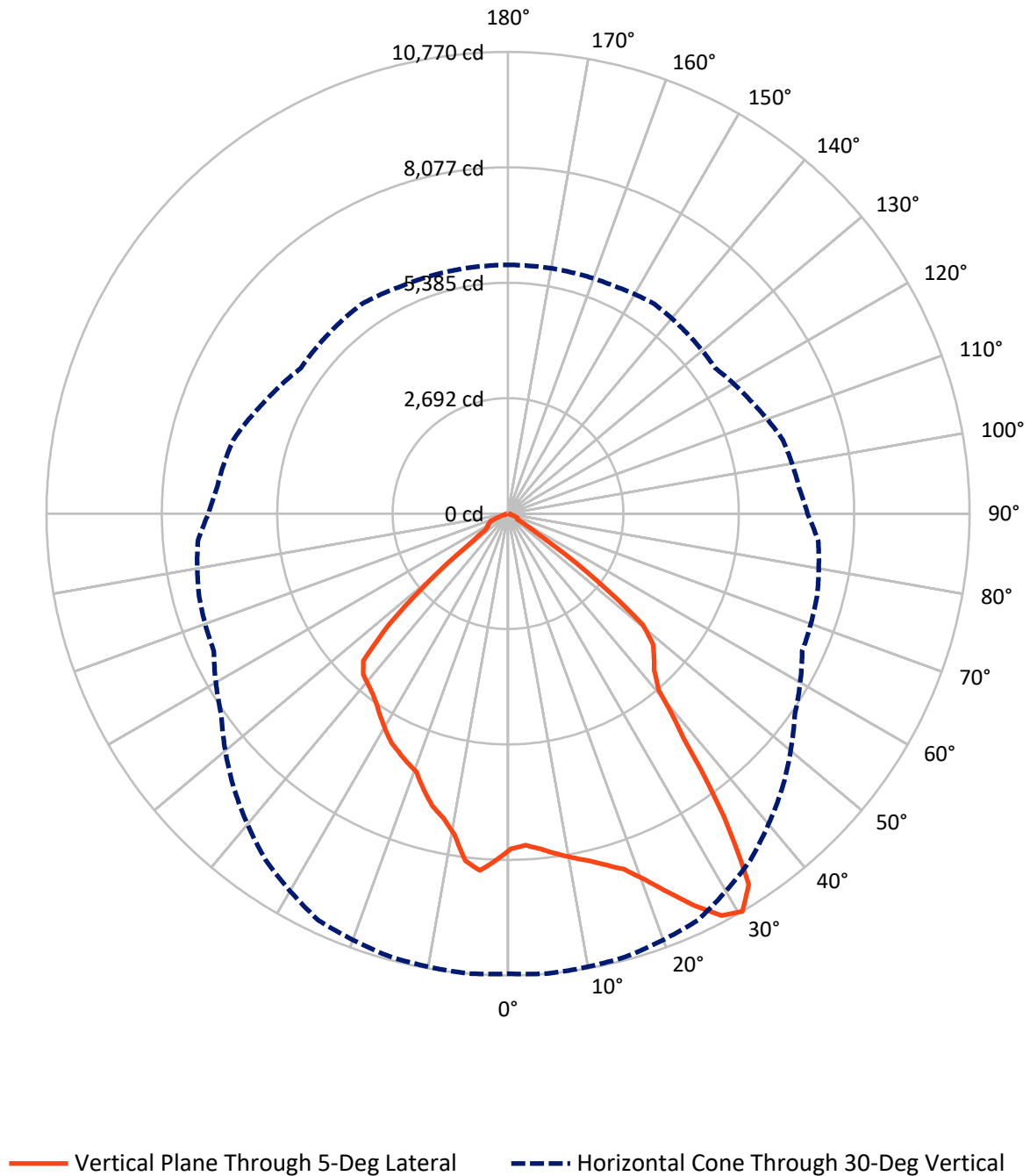


Based on 15 foot mounting height. Maximum calculated value = 35.6 fc

Type I - Short - N/A

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CATALOG NUMBER: UFLD-CA2-120-727-U-66

Luminous Intensity Polar Plot



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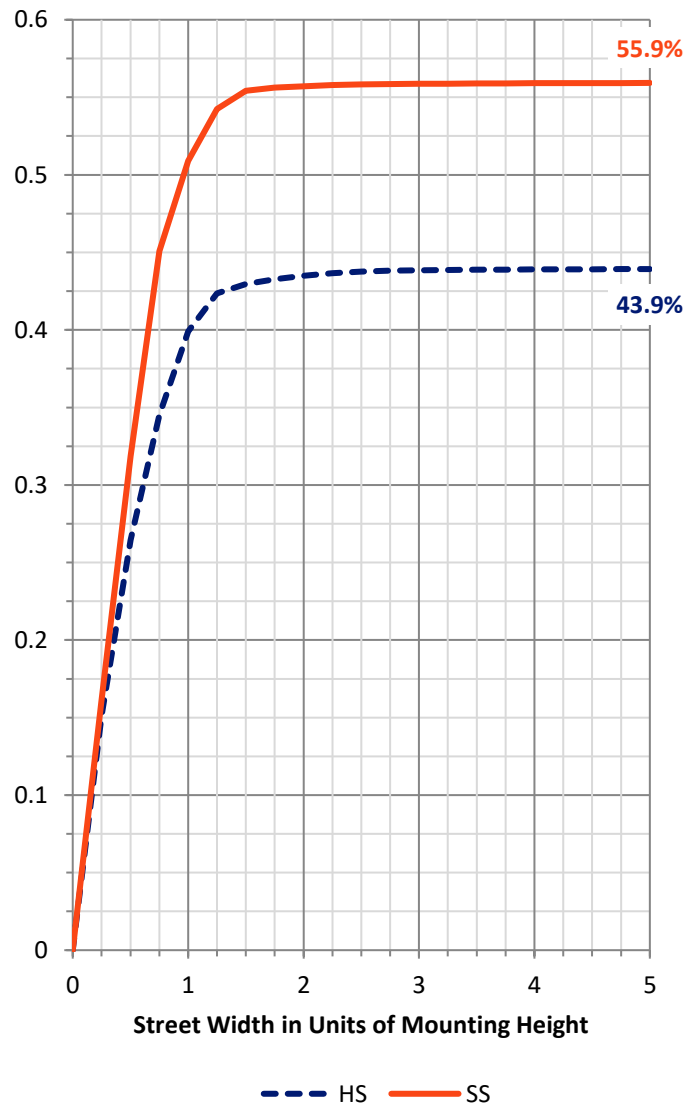
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	8473.3	0.0	8473.3
	% Fixture	44.2	0.0	44.2
Street Side	Lumens	10684.5	0.0	10684.5
	% Fixture	55.8	0.0	55.8
Total	Lumens	19157.9	0.0	19157.9
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	764.9	4.0
10°-20°	2215.9	11.6
20°-30°	3531.2	18.4
30°-40°	4414.6	23.0
40°-50°	4332.2	22.6
50°-60°	3097.3	16.2
60°-70°	685.3	3.6
70°-80°	105.3	0.5
80°-90°	11.2	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°	19157.9	100.0
0°-180°	19157.9	100.0

Coefficient of Utilization



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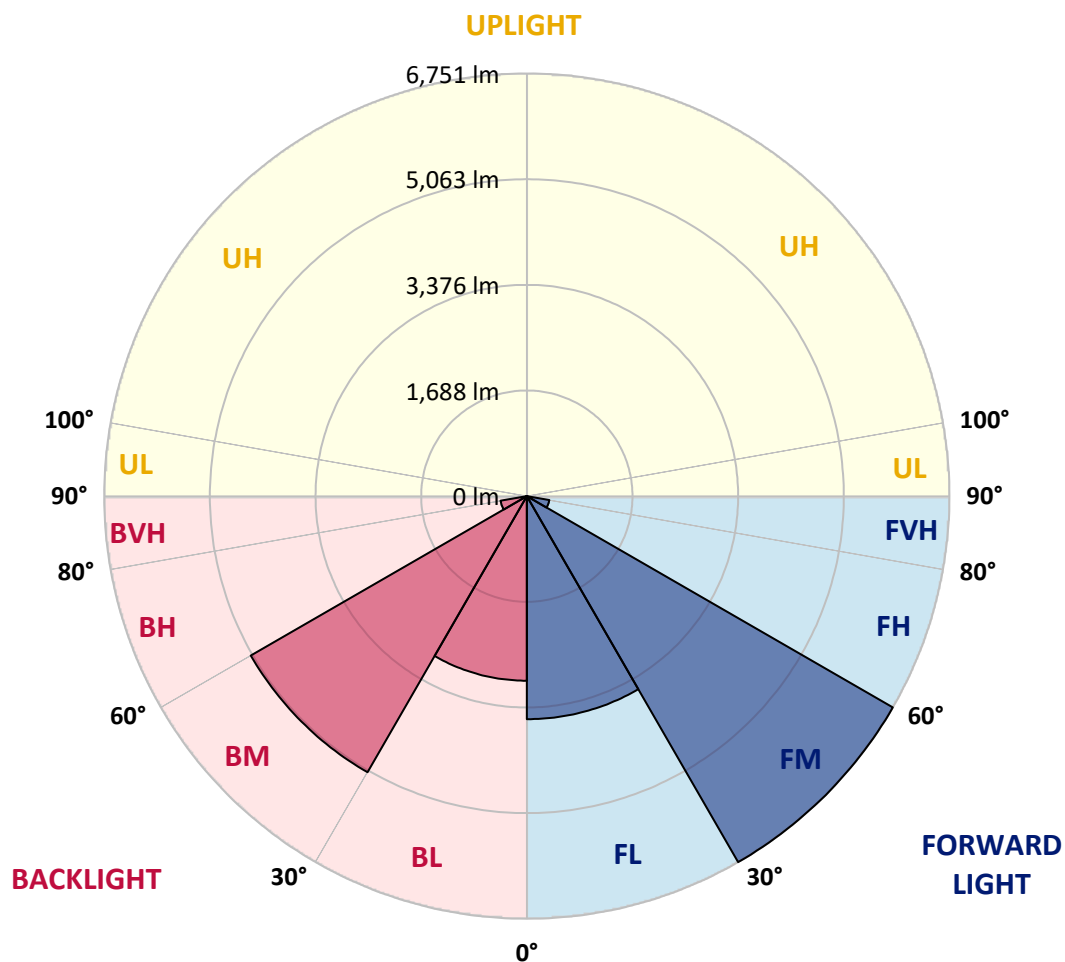
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	3563.2	18.6			
FM	(30°-60°)	6751.2	35.2			
FH	(60°-80°)	364.5	1.9			G0/660
FVH	(80°-90°)	5.6	0.0			G0/10
BL	(0°-30°)	2948.9	15.4	B4/5000		
BM	(30°-60°)	5092.9	26.6	B4/8500		
BH	(60°-80°)	426.1	2.2	B1/500		G1/500
BVH	(80°-90°)	5.5	0.0			G0/10
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B4-U0-G1

Type I Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	7819.6	7819.6	7819.6	7819.6	7819.6	7819.6	7819.6	7819.6	7819.6	7819.6	7819.6
2.5°	7732.0	7744.6	7757.1	7775.8	7800.8	7813.3	7800.8	7788.3	7782.1	7794.6	7800.8
5°	7838.3	7857.1	7863.3	7875.8	7888.3	7875.8	7869.6	7857.1	7850.8	7857.1	7875.8
7.5°	7994.6	8007.1	8000.8	7994.6	7988.3	7944.6	7900.8	7882.1	7882.1	7900.8	7950.8
10°	8132.1	8157.1	8125.8	8100.8	8057.1	7988.3	7913.3	7869.6	7882.1	7919.6	7982.1
12.5°	8307.1	8307.1	8275.9	8250.9	8150.8	8069.6	7969.6	7900.8	7900.8	7969.6	8038.3
15°	8519.6	8500.9	8488.4	8419.6	8300.9	8169.6	8044.6	7944.6	7925.8	8032.1	8075.8
17.5°	8788.4	8719.7	8688.4	8569.6	8407.1	8238.4	8069.6	7988.3	7932.1	8044.6	7994.6
20°	9157.2	9107.2	9007.2	8819.7	8488.4	8269.6	8069.6	7963.3	7919.6	7982.1	7932.1
22.5°	9632.2	9601.0	9376.0	9138.4	8700.9	8294.6	8038.3	7894.6	7882.1	7850.8	7744.6
25°	10213.6	10132.3	9901.0	9563.5	9019.7	8538.4	8032.1	7769.6	7725.8	7644.5	7457.0
27.5°	10707.4	10619.8	10338.6	10038.5	9457.2	8900.9	8082.1	7619.5	7569.5	7513.3	7282.0
30°	10732.4	10769.9	10694.9	10469.8	9863.5	9050.9	8169.6	7575.8	7463.3	7263.3	6988.2
32.5°	10226.1	10313.6	10494.8	10576.1	10169.8	9232.2	8244.6	7594.5	7388.3	6907.0	6681.9
35°	8494.6	8669.6	9413.5	10113.5	10257.3	9494.7	8307.1	7594.5	7363.3	6650.7	6475.7
37.5°	6525.7	6669.4	7300.8	8569.6	9869.8	9657.2	8444.6	7550.8	7332.0	6669.4	6431.9
40°	5331.8	5413.1	5688.1	6550.7	8507.1	9388.5	8582.1	7600.8	7238.2	6681.9	6456.9
42.5°	5006.8	5000.5	4944.3	5263.0	6488.2	8600.9	8675.9	7725.8	7082.0	6600.7	6413.2
45°	4788.0	4775.5	4725.5	4788.0	5131.8	7038.2	8607.1	7950.8	6888.2	6313.2	6188.1
47.5°	4550.5	4556.7	4538.0	4563.0	4500.5	5344.3	8219.6	8044.6	6556.9	5831.9	5788.1
50°	3981.7	4075.4	4325.4	4350.4	4187.9	4312.9	7038.2	8000.8	6319.4	5694.3	5656.8
52.5°	2475.3	2625.3	3362.8	3987.9	3894.2	3894.2	5369.3	8063.3	5894.4	5644.3	5669.3
55°	875.1	987.6	1800.2	2744.0	3487.9	3556.6	4244.2	7175.7	5844.4	5731.8	5756.8
57.5°	218.8	268.8	550.1	1187.6	2350.2	3225.3	3794.1	5925.6	4438.0	4281.7	4344.2
60°	256.3	250.0	343.8	381.3	912.6	2550.3	3419.1	4000.4	2862.8	2681.5	2712.8
62.5°	275.0	256.3	268.8	337.5	150.0	1250.1	2725.3	2381.5	1181.4	875.1	925.1
65°	243.8	231.3	212.5	312.5	106.3	231.3	1606.4	700.1	168.8	268.8	243.8
67.5°	162.5	168.8	175.0	250.0	100.0	100.0	212.5	175.0	118.8	243.8	212.5
70°	93.8	100.0	118.8	150.0	100.0	81.3	93.8	143.8	100.0	243.8	212.5
72.5°	56.3	56.3	56.3	62.5	100.0	68.8	62.5	118.8	87.5	225.0	212.5
75°	43.8	43.8	43.8	37.5	87.5	43.8	43.8	93.8	75.0	162.5	162.5
77.5°	37.5	37.5	37.5	31.3	50.0	37.5	37.5	68.8	68.8	81.3	93.8
80°	25.0	25.0	25.0	25.0	31.3	31.3	25.0	37.5	31.3	37.5	43.8
82.5°	12.5	18.8	18.8	12.5	18.8	18.8	18.8	25.0	18.8	25.0	25.0
85°	6.3	6.3	6.3	6.3	6.3	6.3	6.3	12.5	6.3	6.3	12.5
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: P991003

CATALOG NUMBER: UFLD-CA2-120-727-U-66

CANDELA DISTRIBUTION (continued):

	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	7819.6	7819.6	7819.6	7819.6	7819.6	7819.6	7819.6	7819.6	7819.6	7819.6
2.5°	7813.3	7844.6	7888.3	7957.1	7982.1	8025.8	8063.3	8094.6	8094.6	8082.1
5°	7913.3	8000.8	8119.6	8225.9	8263.4	8307.1	8325.9	8357.1	8350.9	8344.6
7.5°	8000.8	8138.3	8263.4	8338.4	8325.9	8269.6	8232.1	8182.1	8163.3	8175.8
10°	8069.6	8194.6	8250.9	8200.8	8050.8	7919.6	7750.8	7638.3	7582.0	7600.8
12.5°	8094.6	8138.3	8088.3	7813.3	7625.8	7500.8	7363.3	7288.3	7257.0	7263.3
15°	8100.8	8000.8	7725.8	7519.5	7382.0	7225.7	7113.2	7044.5	7044.5	7050.7
17.5°	7969.6	7725.8	7488.3	7332.0	7138.2	6975.7	6913.2	6888.2	6731.9	6756.9
20°	7850.8	7500.8	7369.5	7125.7	6894.5	6788.2	6425.7	6388.2	6394.4	6400.7
22.5°	7600.8	7338.3	7219.5	6900.7	6638.2	6344.4	6294.4	6256.9	6263.1	6263.1
25°	7257.0	7107.0	6944.5	6613.2	6294.4	6238.1	6200.6	6150.6	6125.6	6131.9
27.5°	7063.2	6875.7	6575.7	6294.4	6088.1	6113.1	6069.4	5994.4	5994.4	6000.6
30°	6819.5	6638.2	6238.1	5906.9	5925.6	5963.1	5856.9	5819.4	5800.6	5800.6
32.5°	6519.4	6269.4	5919.4	5606.8	5719.3	5706.8	5575.6	5588.1	5600.6	5588.1
35°	6294.4	5969.4	5675.6	5506.8	5463.1	5413.1	5344.3	5388.1	5406.8	5394.3
37.5°	6238.1	5850.6	5544.3	5425.6	5256.8	5163.0	5181.8	5225.5	5250.5	5244.3
40°	6219.4	5731.8	5431.8	5306.8	5081.8	5000.5	5025.5	5113.0	5144.3	5138.0
42.5°	6194.4	5650.6	5363.1	5213.0	4900.5	4844.3	4963.0	5044.3	5050.5	5044.3
45°	6063.1	5563.1	5319.3	5019.3	4625.5	4694.2	4844.3	4888.0	4813.0	4781.7
47.5°	5756.8	5400.6	5188.0	4781.7	4400.5	4531.7	4550.5	4075.4	3800.4	3737.9
50°	5669.3	5406.8	5038.0	4500.5	4262.9	4394.2	3575.4	2731.5	2387.7	2319.0
52.5°	5644.3	5344.3	5094.3	4206.7	4212.9	3706.6	2256.5	1337.6	1075.1	1025.1
55°	5706.8	5619.3	5188.0	4031.7	3919.2	2412.7	1050.1	631.3	650.1	631.3
57.5°	4306.7	4700.5	5300.5	3756.6	2862.8	1162.6	662.6	612.6	568.8	556.3
60°	2687.8	3062.8	3881.7	3231.6	1468.9	693.8	675.1	568.8	550.1	543.8
62.5°	887.6	1362.6	2225.2	2125.2	406.3	687.6	681.3	506.3	506.3	506.3
65°	225.0	231.3	612.6	731.3	300.0	612.6	650.1	475.0	462.5	481.3
67.5°	193.8	175.0	325.0	287.5	250.0	425.0	568.8	456.3	431.3	431.3
70°	193.8	206.3	318.8	268.8	156.3	231.3	412.5	281.3	250.0	231.3
72.5°	181.3	200.0	281.3	243.8	106.3	112.5	181.3	93.8	87.5	75.0
75°	156.3	162.5	218.8	218.8	112.5	56.3	75.0	62.5	62.5	56.3
77.5°	106.3	81.3	125.0	156.3	81.3	37.5	31.3	31.3	31.3	25.0
80°	56.3	31.3	31.3	25.0	31.3	31.3	18.8	25.0	25.0	18.8
82.5°	31.3	18.8	18.8	12.5	12.5	18.8	12.5	12.5	12.5	12.5
85°	12.5	12.5	6.3	6.3	6.3	12.5	6.3	6.3	6.3	6.3
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.3	6.3
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

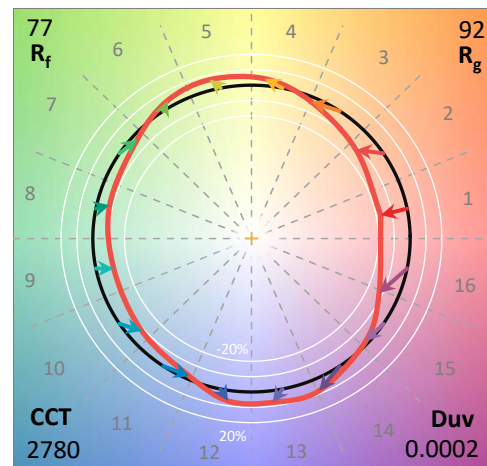
Test Information

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
 R_f: 77.4
 R_g: 92.5

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



Test Conditions

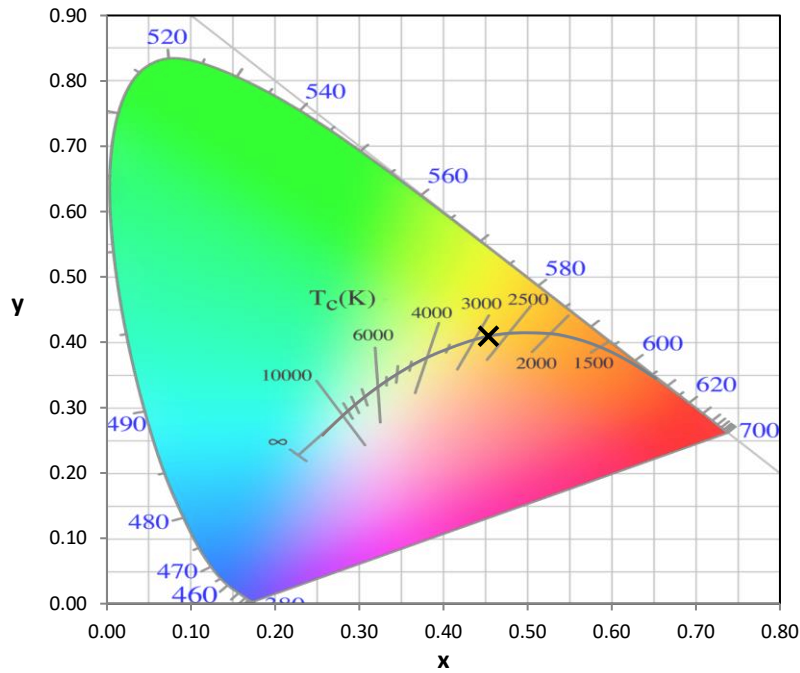
Stabilization Time: 20M
 Operation Time: 1H 20M
 Sphere Temperature (°C): 25.0

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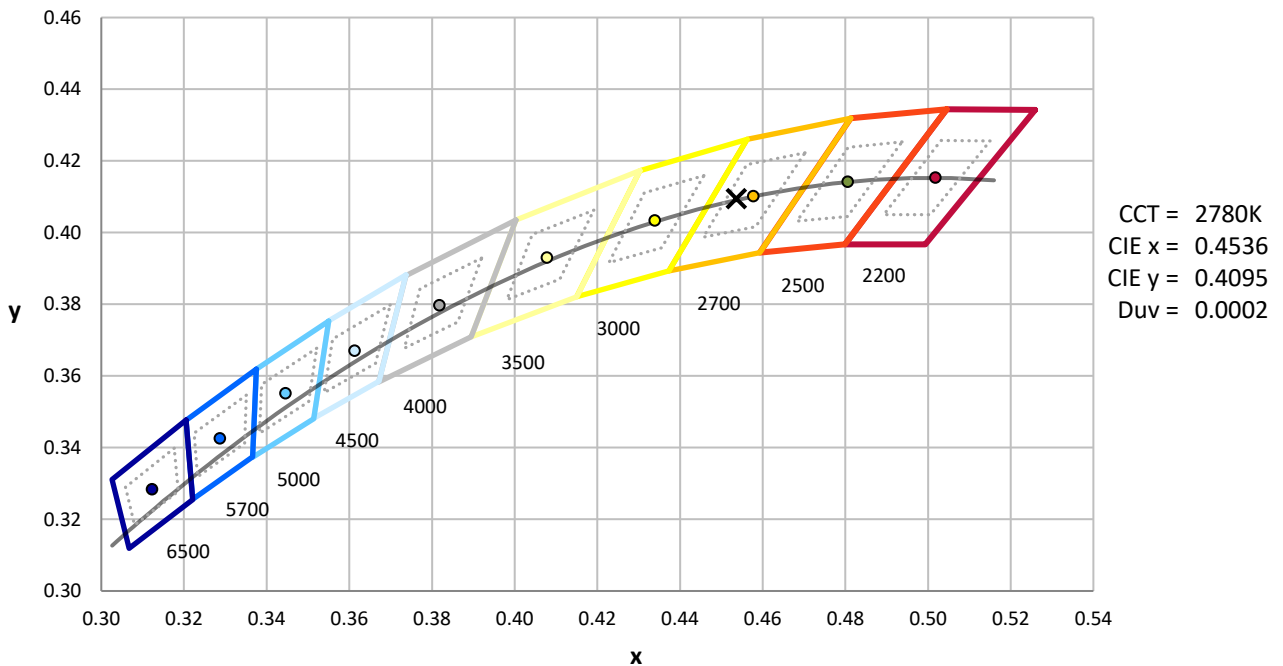
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	12/16/2024	6/16/2025
Power Meter	INXT2011004	1/21/2025	1/21/2026
AC Power Source	IN0063	10/22/2024	10/22/2025
DC Power Source	IN0208	10/22/2024	10/22/2025
Sphere Thermometer	IN0085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

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CIE 1931 Chromaticity Diagram



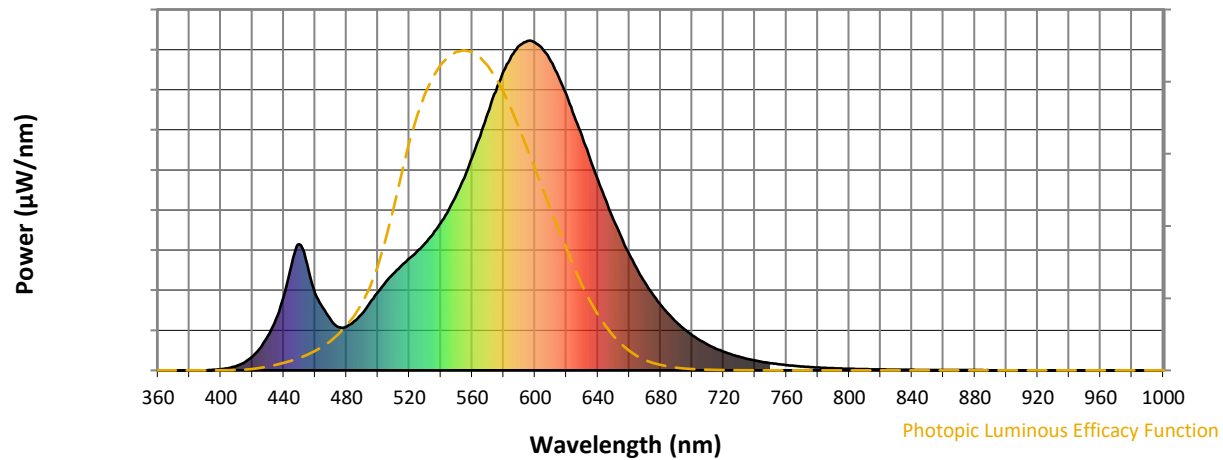
CIE 1931 Chromaticity Diagram with 2017 ANSI 7-Step and 4-Step Quadrangles



Point lies inside the ANSI 2700K 4-step quadrangle

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Photopic Flux vs. Wavelength

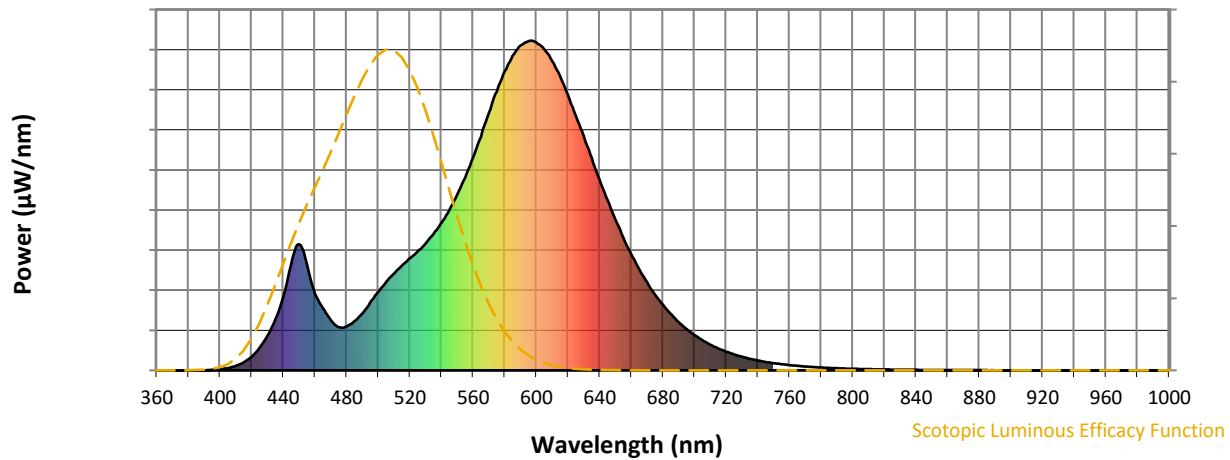


Photopic Lumens: NR

λ (nm)	Power W ^λ /nm	Lumens (φ/nm)	λ (nm)	Power W ^λ /nm	Lumens (φ/nm)	λ (nm)	Power W ^λ /nm	Lumens (φ/nm)	λ (nm)	Power W ^λ /nm	Lumens (φ/nm)	λ (nm)	Power W ^λ /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			

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Scotopic Flux vs. Wavelength



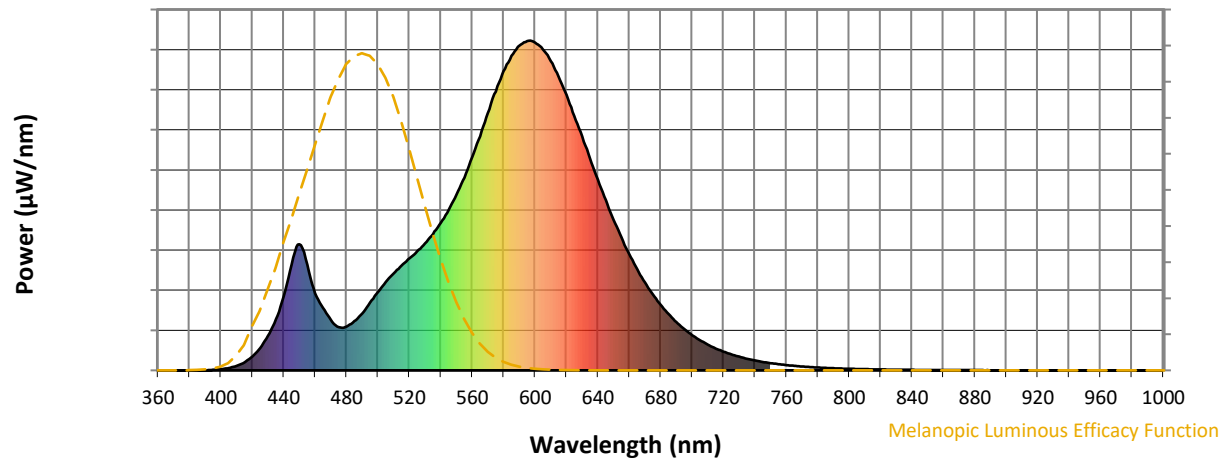
Scotopic Lumens: NR

S/P: 1.17

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	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			

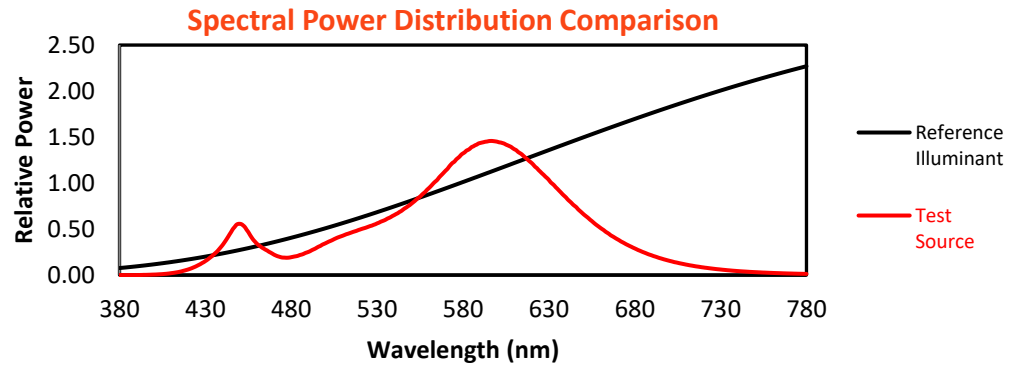
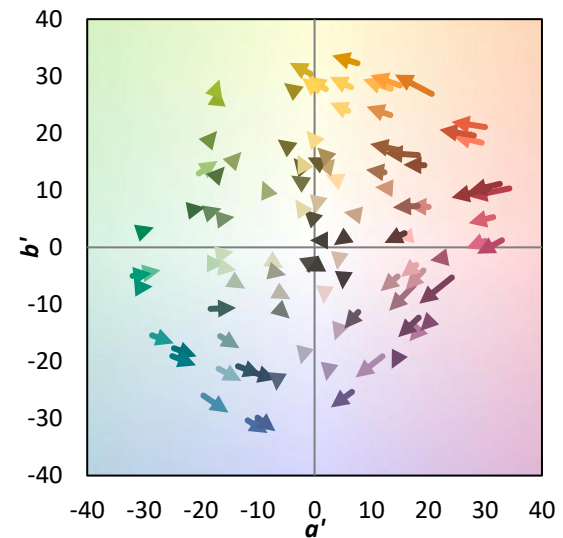
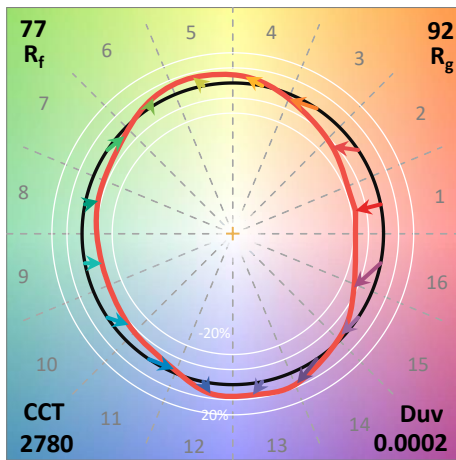
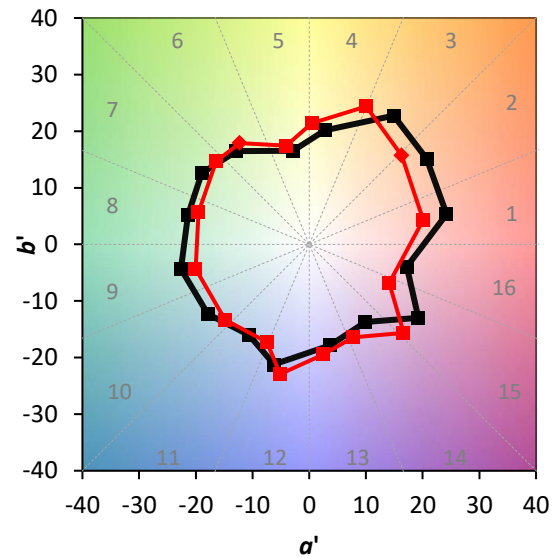
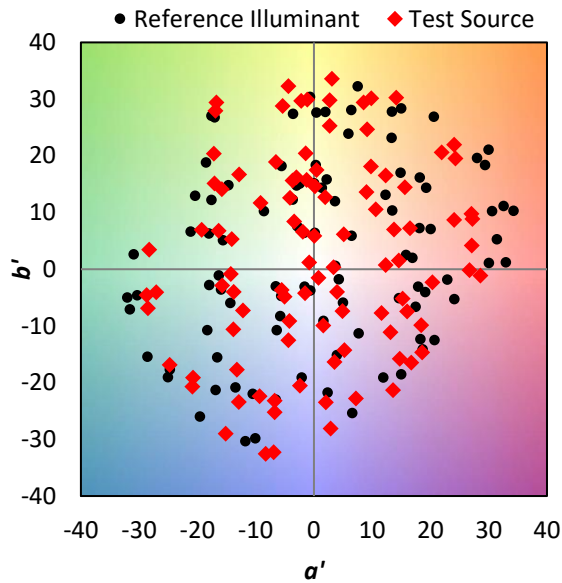
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Melanopic Flux vs. Wavelength


Melanopic Lumens: NR
M/P: 2.15

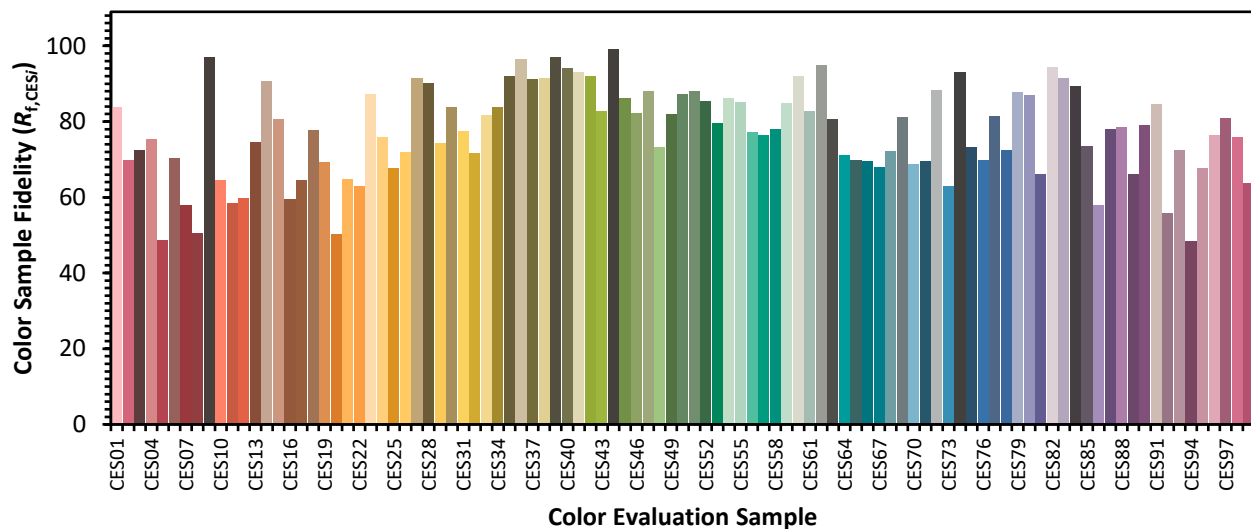
λ (nm)	Power $\text{W}^\wedge/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^\wedge/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^\wedge/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^\wedge/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^\wedge/\text{nm}$	Lumens (ϕ/nm)
360	0	NR	490	173	NR	620	836	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			

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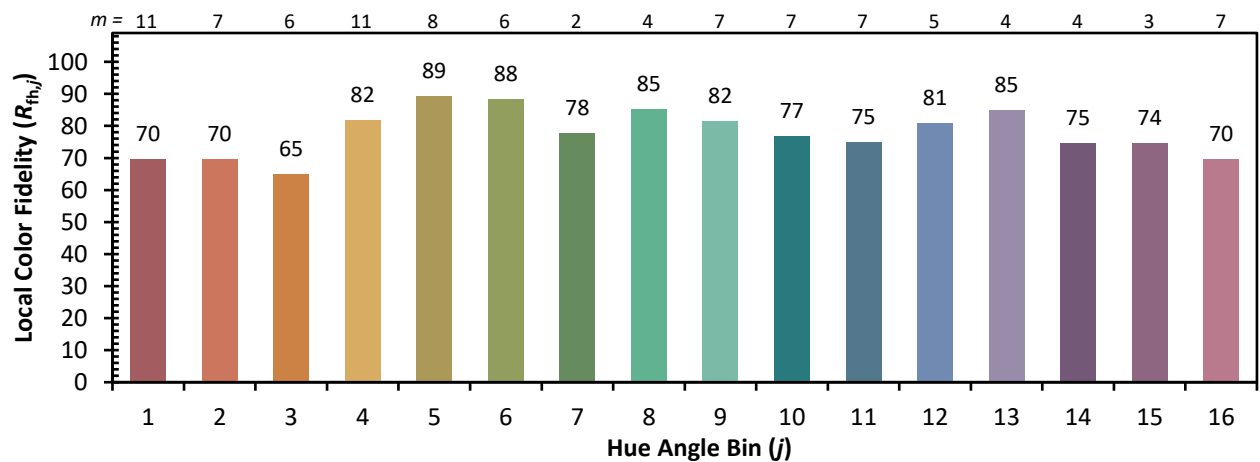
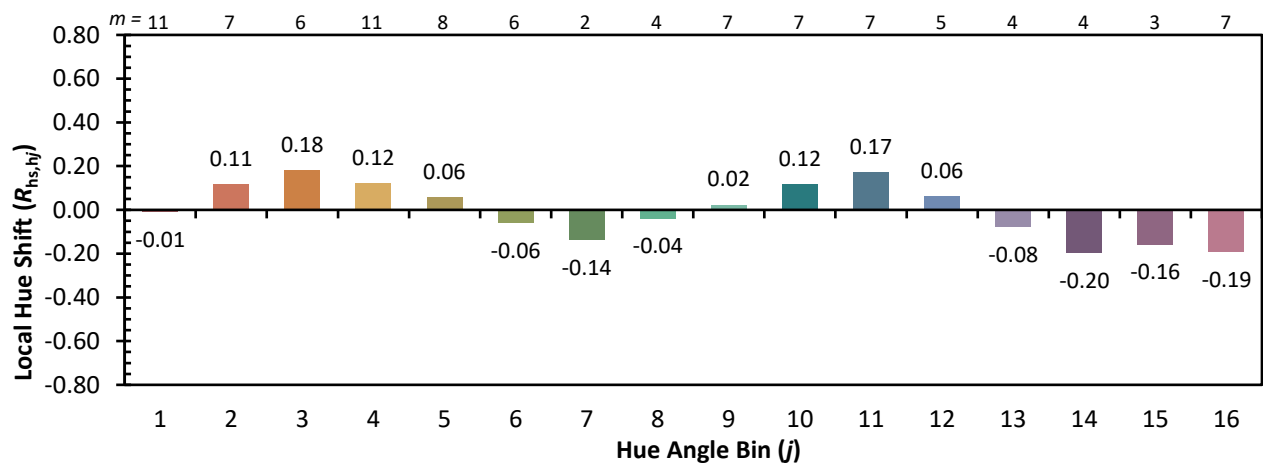
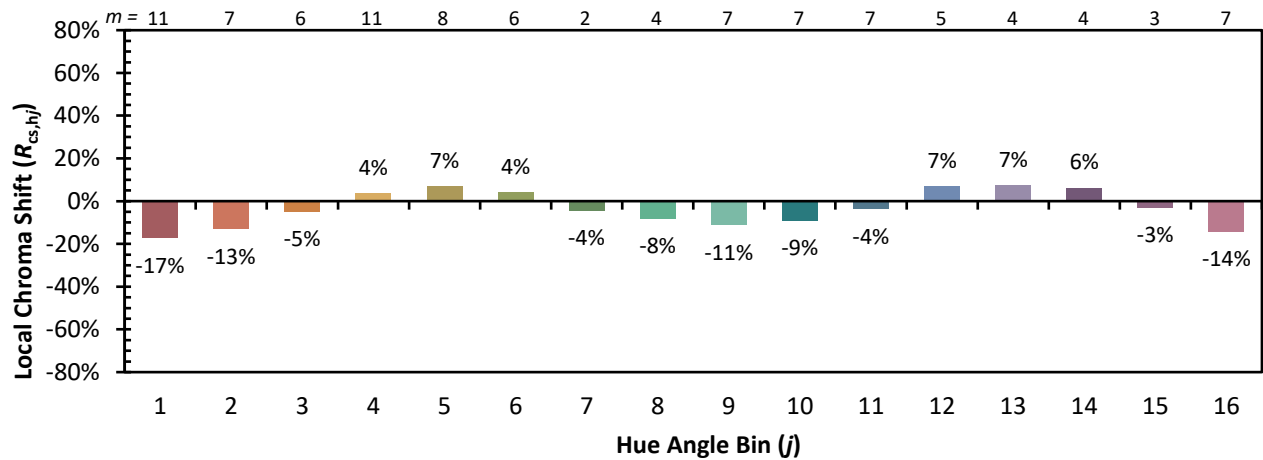
TM-30-18
Summary
 $R_f = 77.4$
 $R_g = 92.5$
 CIE $R_a = 72.0$
 $R_g = -35.8$

Color Vector Graphics


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

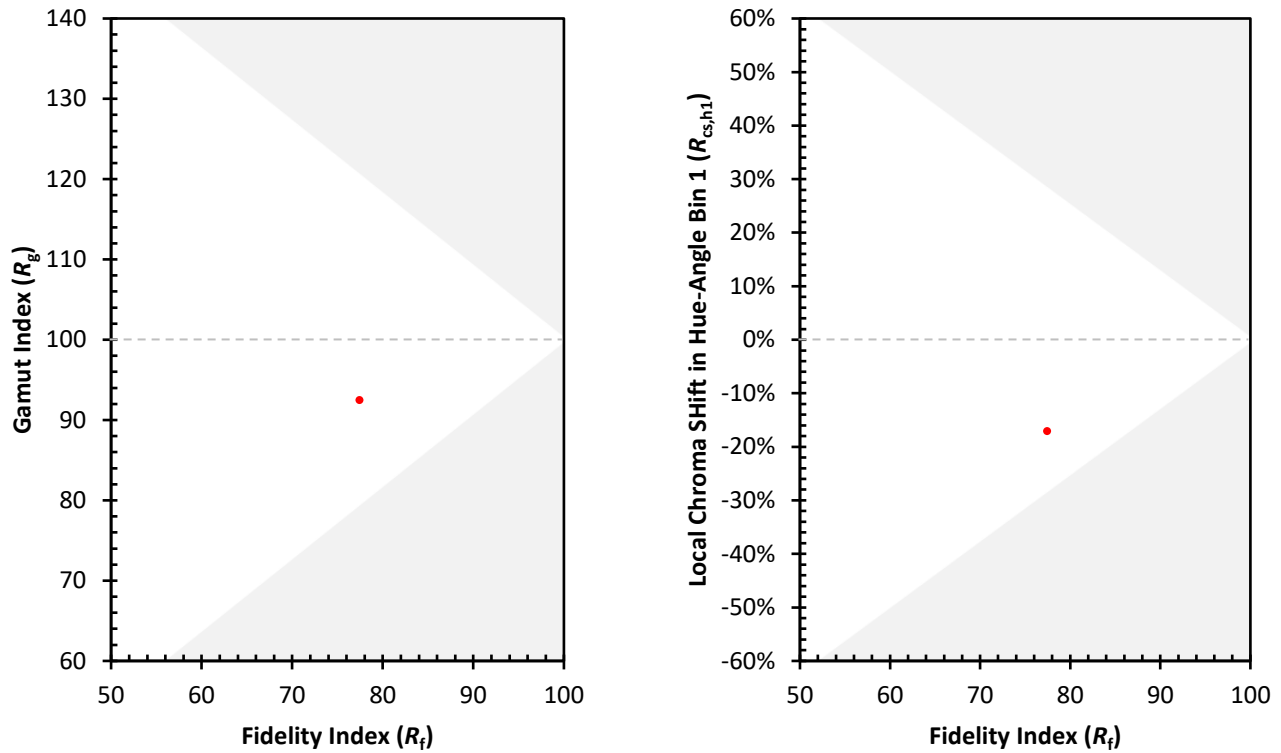
CES01 = 86	CES26 = 72	CES51 = 88	CES76 = 70
CES02 = 63	CES27 = 91	CES52 = 85	CES77 = 81
CES03 = 31	CES28 = 90	CES53 = 80	CES78 = 73
CES04 = 71	CES29 = 74	CES54 = 86	CES79 = 88
CES05 = 50	CES30 = 84	CES55 = 85	CES80 = 87
CES06 = 52	CES31 = 77	CES56 = 77	CES81 = 66
CES07 = 42	CES32 = 72	CES57 = 76	CES82 = 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)