

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: P980803

Luminaire Tested: **UFLD-L-CA4-270-727-U-66**

Issue Date: 04/10/2025

Test Information

Test Method: LM-79-08
Report Number: P980803
Test Lab: INNOVATION CENTER(G2)
Issue Date: 04/10/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: UFLD-L-CA4-270-727-U-66
Description: UTILITY FLOOD LARGE SIZE 270W 70CRI 2700K LED FIXTURE NEMA 6
Light Source: (4) 2700K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 39802.6 lumens
Efficiency: N/A
Efficacy: 145.6 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.67' x H: 0')
IES Classification: Type I - Short
BUG Rating: B5 - U0 - G2

Input Watts (W): 273.3
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: 0.99
Total Harmonic Distortion (THDi): 3.49%
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT

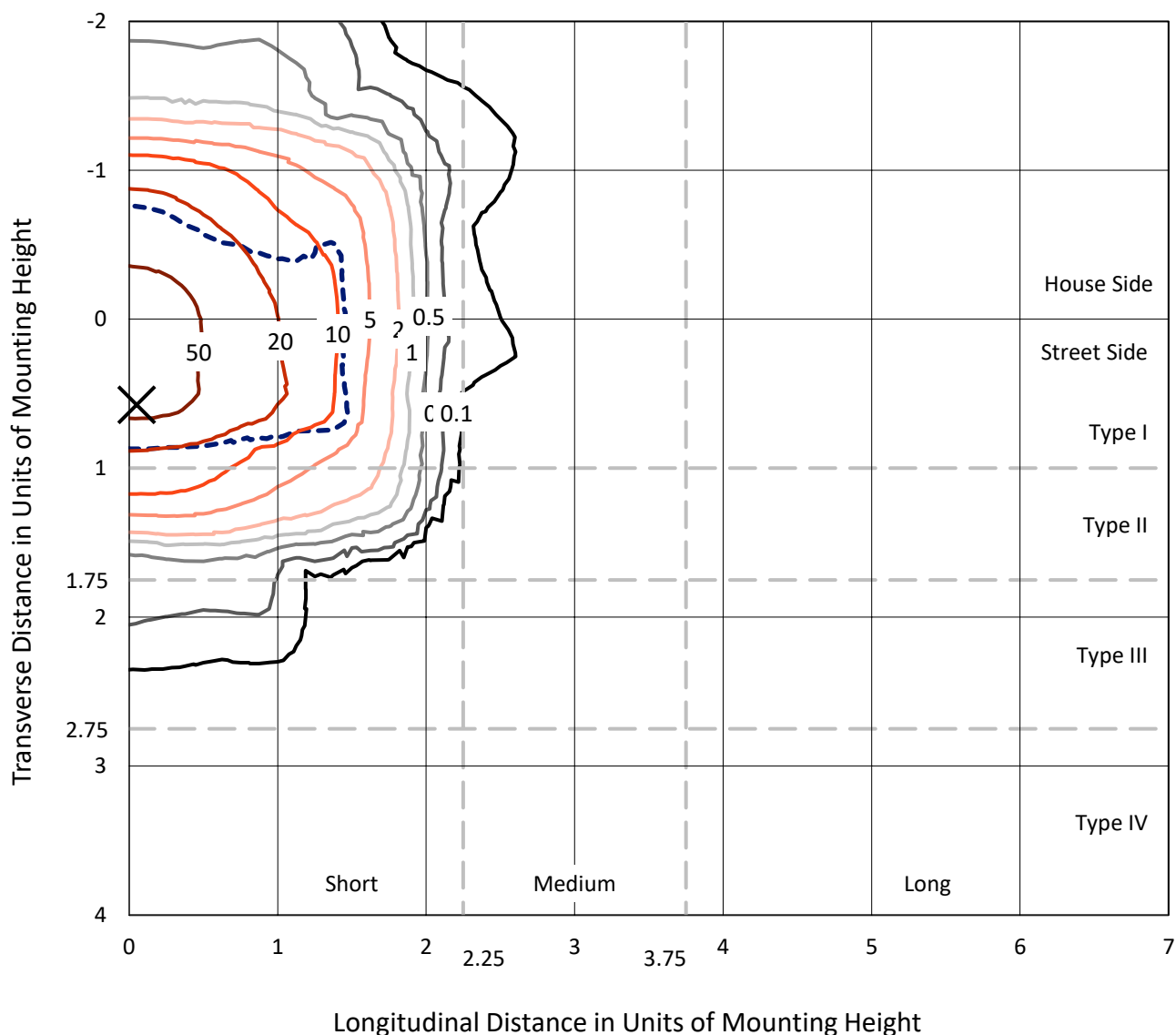


REPORT NUMBER: P980803
 CATALOG NUMBER: UFLD-L-CA4-270-727-U-66

Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

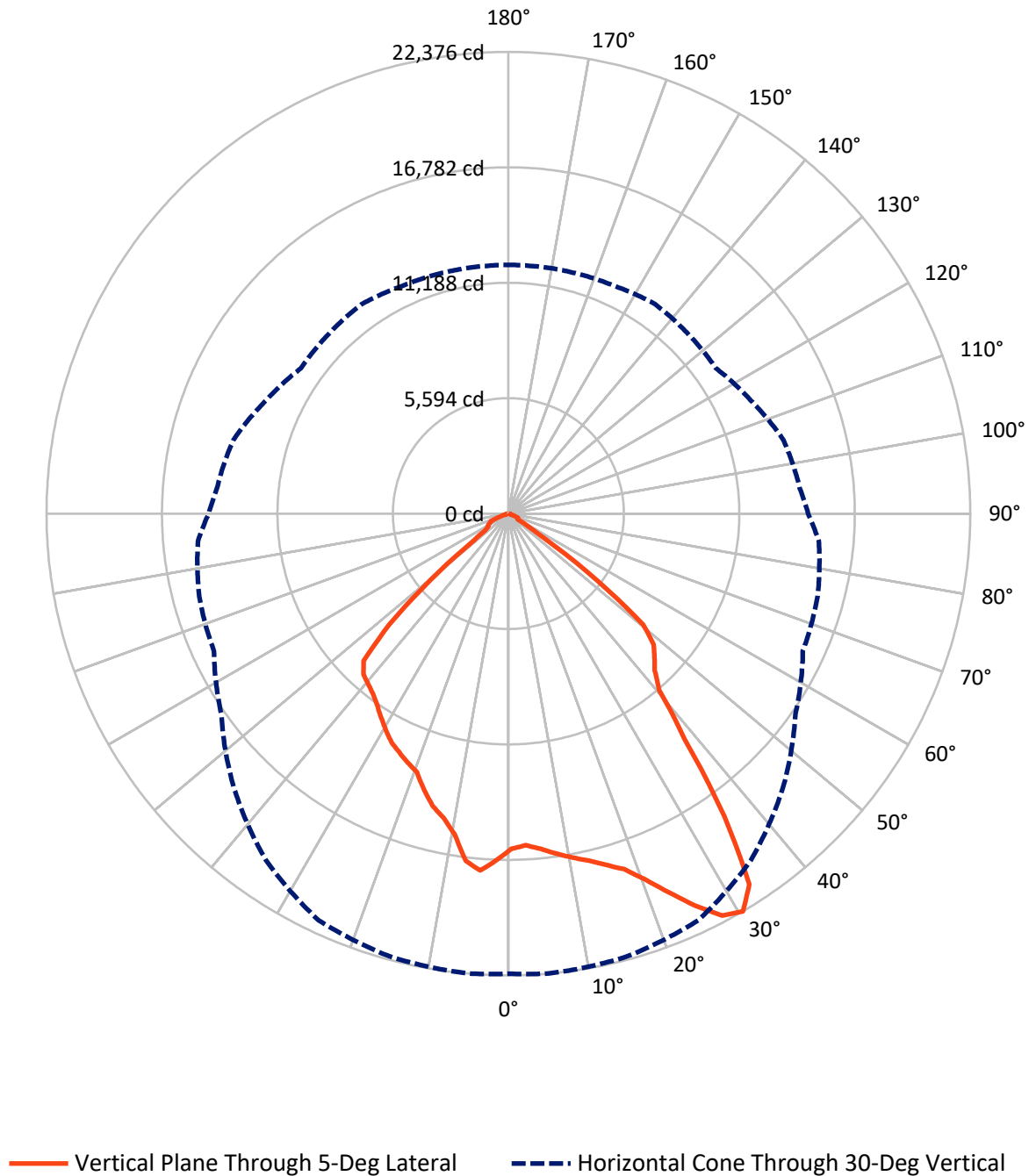


Based on 15 foot mounting height. Maximum calculated value = 74 fc

Type I - Short - N/A

REPORT NUMBER: P980803
CATALOG NUMBER: UFLD-L-CA4-270-727-U-66

Luminous Intensity Polar Plot



REPORT NUMBER: P980803

CATALOG NUMBER: UFLD-L-CA4-270-727-U-66

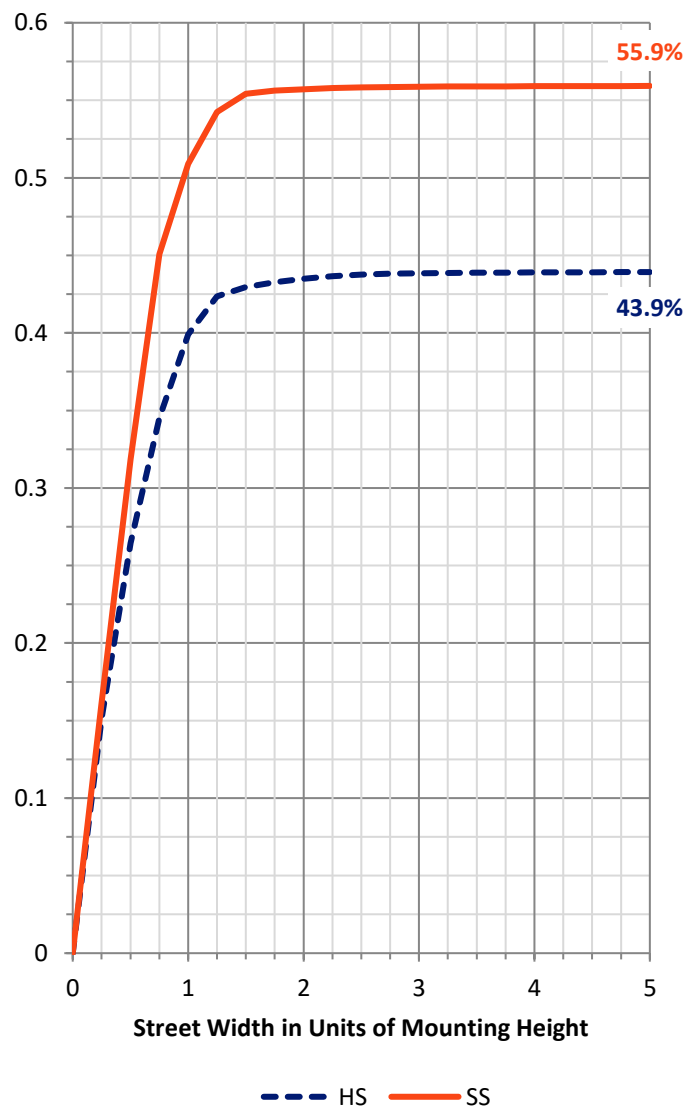
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	17604.3	0.0	17604.3
	% Fixture	44.2	0.0	44.2
Street Side	Lumens	22198.3	0.0	22198.3
	% Fixture	55.8	0.0	55.8
Total	Lumens	39802.6	0.0	39802.6
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1589.2	4.0
10°-20°	4603.8	11.6
20°-30°	7336.5	18.4
30°-40°	9171.8	23.0
40°-50°	9000.7	22.6
50°-60°	6434.9	16.2
60°-70°	1423.7	3.6
70°-80°	218.7	0.5
80°-90°	23.1	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°	39802.6	100.0
0°-180°	39802.6	100.0

Coefficient of Utilization



REPORT NUMBER: P980803

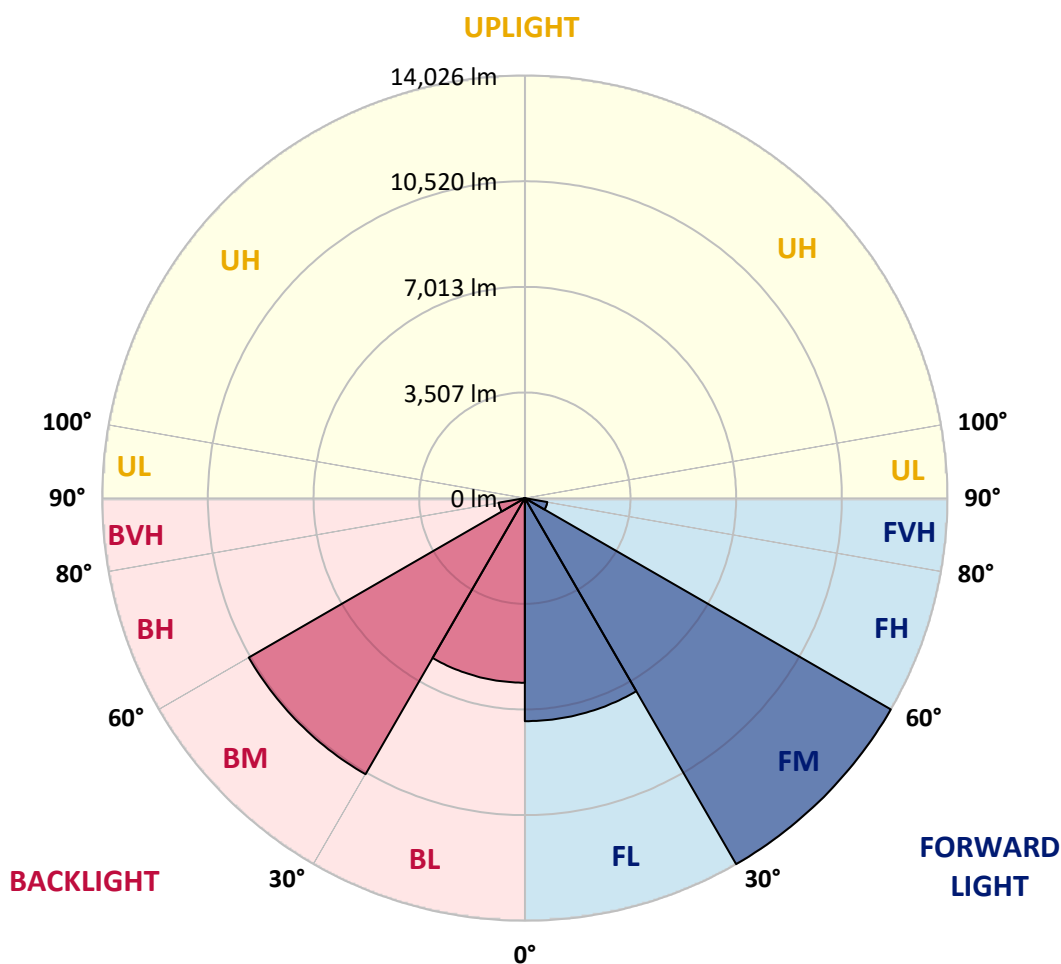
CATALOG NUMBER: UFLD-L-CA4-270-727-U-66

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	7402.9	18.6			
FM	(30°-60°)	14026.4	35.2			
FH	(60°-80°)	757.3	1.9			G1/1800
FVH	(80°-90°)	11.7	0.0			G1/100
BL	(0°-30°)	6126.6	15.4	B5		
BM	(30°-60°)	10581.0	26.6	B5		
BH	(60°-80°)	885.2	2.2	B2/1000		G2/1000
BVH	(80°-90°)	11.4	0.0			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B5-U0-G2

Type I Short



REPORT NUMBER: P980803

CATALOG NUMBER: UFLD-L-CA4-270-727-U-66

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	16246.0	16246.0	16246.0	16246.0	16246.0	16246.0	16246.0	16246.0	16246.0	16246.0	16246.0
2.5°	16064.2	16090.2	16116.2	16155.1	16207.1	16233.0	16207.1	16181.1	16168.1	16194.1	16207.1
5°	16285.0	16323.9	16336.9	16362.9	16388.9	16362.9	16349.9	16323.9	16311.0	16323.9	16362.9
7.5°	16609.6	16635.6	16622.6	16609.6	16596.7	16505.7	16414.8	16375.9	16375.9	16414.8	16518.7
10°	16895.3	16947.3	16882.4	16830.4	16739.5	16596.7	16440.8	16349.9	16375.9	16453.8	16583.7
12.5°	17259.0	17259.0	17194.0	17142.1	16934.3	16765.5	16557.7	16414.8	16414.8	16557.7	16700.5
15°	17700.5	17661.5	17635.6	17492.7	17246.0	16973.3	16713.5	16505.7	16466.8	16687.6	16778.5
17.5°	18258.9	18116.1	18051.1	17804.4	17466.7	17116.1	16765.5	16596.7	16479.8	16713.5	16609.6
20°	19025.1	18921.2	18713.4	18323.8	17635.6	17181.0	16765.5	16544.7	16453.8	16583.7	16479.8
22.5°	20012.1	19947.2	19479.6	18986.2	18077.1	17233.0	16700.5	16401.9	16375.9	16311.0	16090.2
25°	21219.8	21051.0	20570.5	19869.2	18739.4	17739.5	16687.6	16142.1	16051.2	15882.4	15492.8
27.5°	22245.8	22063.9	21479.6	20856.2	19648.5	18492.7	16791.5	15830.5	15726.6	15609.7	15129.2
30°	22297.7	22375.6	22219.8	21752.3	20492.6	18804.3	16973.3	15739.6	15505.8	15090.2	14518.8
32.5°	21245.8	21427.6	21804.2	21973.0	21128.9	19181.0	17129.1	15778.5	15350.0	14350.0	13882.5
35°	17648.6	18012.2	19557.6	21012.0	21310.7	19726.4	17259.0	15778.5	15298.0	13817.6	13453.9
37.5°	13557.8	13856.5	15168.1	17804.4	20505.6	20064.0	17544.7	15687.6	15233.1	13856.5	13363.0
40°	11077.4	11246.2	11817.6	13609.8	17674.5	19505.6	17830.4	15791.5	15038.3	13882.5	13415.0
42.5°	10402.1	10389.1	10272.3	10934.6	13479.9	17869.3	18025.2	16051.2	14713.6	13713.7	13324.1
45°	9947.6	9921.6	9817.7	9947.6	10661.9	14622.7	17882.3	16518.7	14311.0	13116.3	12856.6
47.5°	9454.1	9467.1	9428.1	9480.1	9350.2	11103.4	17077.2	16713.5	13622.8	12116.3	12025.4
50°	8272.4	8467.2	8986.6	9038.6	8700.9	8960.6	14622.7	16622.6	13129.3	11830.6	11752.7
52.5°	5142.6	5454.3	6986.7	8285.3	8090.5	8090.5	11155.3	16752.5	12246.2	11726.7	11778.7
55°	1818.1	2051.9	3740.1	5701.0	7246.4	7389.3	8817.8	14908.4	12142.3	11908.6	11960.5
57.5°	454.5	558.4	1142.8	2467.4	4882.9	6701.0	7882.8	12311.1	9220.4	8895.7	9025.6
60°	532.4	519.5	714.3	792.2	1896.0	5298.5	7103.6	8311.3	5947.8	5571.2	5636.1
62.5°	571.4	532.4	558.4	701.3	311.7	2597.3	5662.1	4947.8	2454.4	1818.1	1922.0
65°	506.5	480.5	441.5	649.3	220.8	480.5	3337.5	1454.5	350.6	558.4	506.5
67.5°	337.6	350.6	363.6	519.5	207.8	207.8	441.5	363.6	246.7	506.5	441.5
70°	194.8	207.8	246.7	311.7	207.8	168.8	194.8	298.7	207.8	506.5	441.5
72.5°	116.9	116.9	116.9	129.9	207.8	142.9	129.9	246.7	181.8	467.5	441.5
75°	90.9	90.9	90.9	77.9	181.8	90.9	90.9	194.8	155.8	337.6	337.6
77.5°	77.9	77.9	77.9	64.9	103.9	77.9	77.9	142.9	142.9	168.8	194.8
80°	51.9	51.9	51.9	51.9	64.9	64.9	51.9	77.9	64.9	77.9	90.9
82.5°	26.0	39.0	39.0	26.0	39.0	39.0	39.0	51.9	39.0	51.9	51.9
85°	13.0	13.0	13.0	13.0	13.0	13.0	13.0	26.0	13.0	13.0	26.0
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: P980803

CATALOG NUMBER: UFLD-L-CA4-270-727-U-66

CANDELA DISTRIBUTION (continued):

	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	16246.0	16246.0	16246.0	16246.0	16246.0	16246.0	16246.0	16246.0	16246.0	16246.0
2.5°	16233.0	16298.0	16388.9	16531.7	16583.7	16674.6	16752.5	16817.4	16817.4	16791.5
5°	16440.8	16622.6	16869.4	17090.1	17168.1	17259.0	17297.9	17362.9	17349.9	17336.9
7.5°	16622.6	16908.3	17168.1	17323.9	17297.9	17181.0	17103.1	16999.2	16960.3	16986.2
10°	16765.5	17025.2	17142.1	17038.2	16726.5	16453.8	16103.2	15869.4	15752.5	15791.5
12.5°	16817.4	16908.3	16804.4	16233.0	15843.4	15583.7	15298.0	15142.2	15077.2	15090.2
15°	16830.4	16622.6	16051.2	15622.7	15337.0	15012.3	14778.6	14635.7	14635.7	14648.7
17.5°	16557.7	16051.2	15557.7	15233.1	14830.5	14492.9	14363.0	14311.0	13986.4	14038.3
20°	16311.0	15583.7	15311.0	14804.5	14324.0	14103.3	13350.0	13272.1	13285.1	13298.1
22.5°	15791.5	15246.1	14999.3	14337.0	13791.6	13181.2	13077.3	12999.4	13012.4	13012.4
25°	15077.2	14765.6	14427.9	13739.6	13077.3	12960.5	12882.5	12778.6	12726.7	12739.7
27.5°	14674.7	14285.1	13661.7	13077.3	12648.8	12700.7	12609.8	12454.0	12454.0	12467.0
30°	14168.2	13791.6	12960.5	12272.2	12311.1	12389.1	12168.3	12090.4	12051.4	12051.4
32.5°	13544.8	13025.4	12298.1	11648.8	11882.6	11856.6	11583.9	11609.9	11635.8	11609.9
35°	13077.3	12402.0	11791.7	11441.0	11350.1	11246.2	11103.4	11194.3	11233.3	11207.3
37.5°	12960.5	12155.3	11519.0	11272.2	10921.6	10726.8	10765.7	10856.7	10908.6	10895.6
40°	12921.5	11908.6	11285.2	11025.5	10558.0	10389.1	10441.1	10622.9	10687.8	10674.8
42.5°	12869.5	11739.7	11142.4	10830.7	10181.4	10064.5	10311.2	10480.0	10493.0	10480.0
45°	12596.8	11557.9	11051.4	10428.1	9610.0	9752.8	10064.5	10155.4	9999.5	9934.6
47.5°	11960.5	11220.3	10778.7	9934.6	9142.4	9415.2	9454.1	8467.2	7895.7	7765.9
50°	11778.7	11233.3	10467.1	9350.2	8856.7	9129.5	7428.2	5675.1	4960.8	4818.0
52.5°	11726.7	11103.4	10583.9	8739.9	8752.9	7701.0	4688.1	2779.1	2233.7	2129.8
55°	11856.6	11674.8	10778.7	8376.2	8142.5	5012.8	2181.7	1311.6	1350.6	1311.6
57.5°	8947.6	9765.8	11012.5	7804.8	5947.8	2415.5	1376.6	1272.7	1181.8	1155.8
60°	5584.2	6363.3	8064.6	6714.0	3051.8	1441.5	1402.5	1181.8	1142.8	1129.8
62.5°	1844.1	2831.0	4623.2	4415.4	844.1	1428.5	1415.5	1051.9	1051.9	1051.9
65°	467.5	480.5	1272.7	1519.4	623.3	1272.7	1350.6	987.0	961.0	1000.0
67.5°	402.6	363.6	675.3	597.4	519.5	883.1	1181.8	948.0	896.1	896.1
70°	402.6	428.6	662.3	558.4	324.7	480.5	857.1	584.4	519.5	480.5
72.5°	376.6	415.6	584.4	506.5	220.8	233.8	376.6	194.8	181.8	155.8
75°	324.7	337.6	454.5	454.5	233.8	116.9	155.8	129.9	129.9	116.9
77.5°	220.8	168.8	259.7	324.7	168.8	77.9	64.9	64.9	64.9	51.9
80°	116.9	64.9	64.9	51.9	64.9	64.9	39.0	51.9	51.9	39.0
82.5°	64.9	39.0	39.0	26.0	26.0	39.0	26.0	26.0	26.0	26.0
85°	26.0	26.0	13.0	13.0	13.0	26.0	13.0	13.0	13.0	13.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	13.0	13.0
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

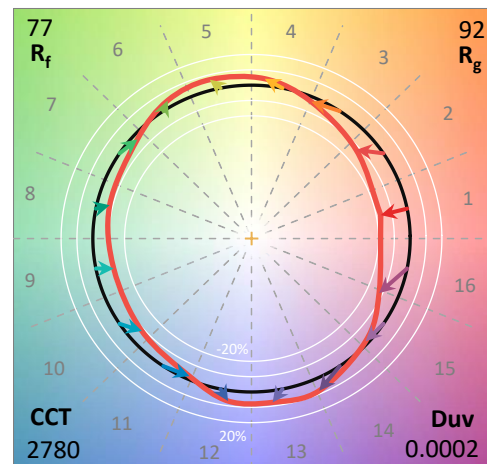
Test Information

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
 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

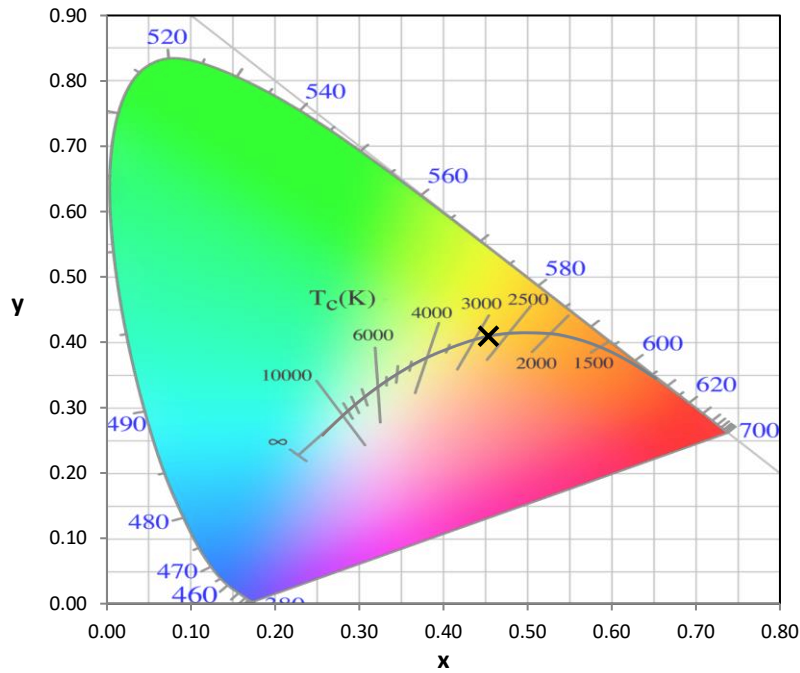
Stabilization Time: 20M
 Operation Time: 1H 20M
 Sphere Temperature (°C): 25.0

REPORT NUMBER: SP1-2501-319-9

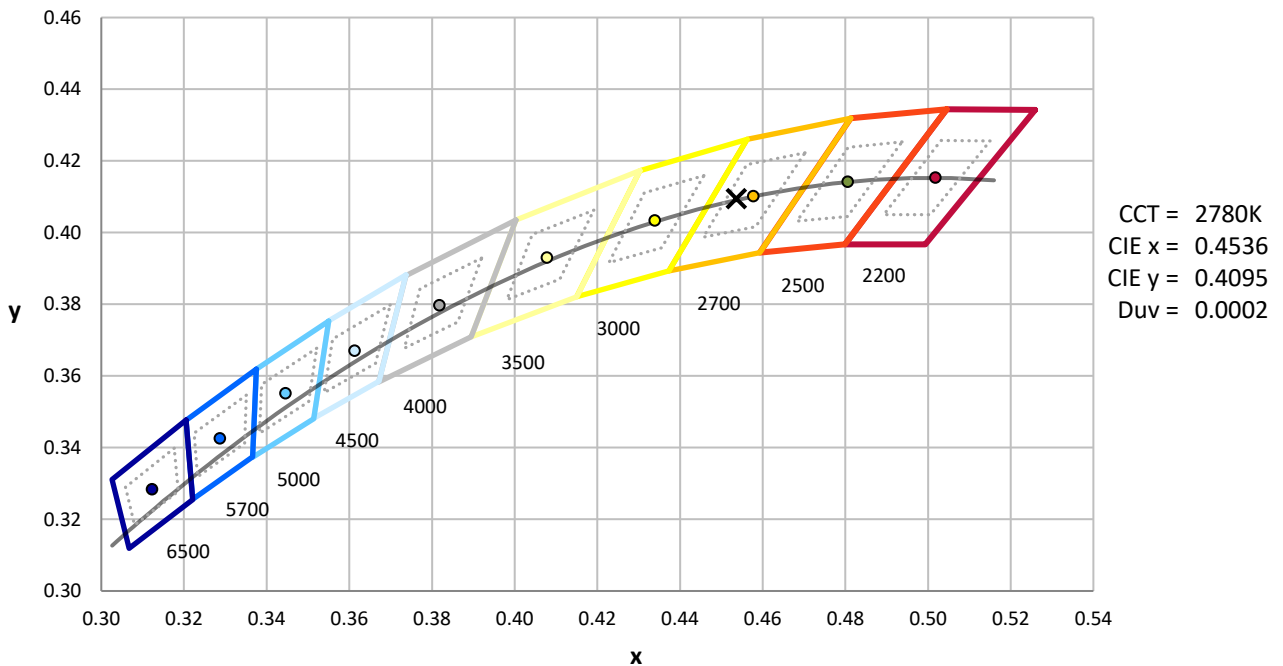
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	12/16/2024	6/16/2025
Power Meter	INXT2011004	1/21/2025	1/21/2026
AC Power Source	IN0063	10/22/2024	10/22/2025
DC Power Source	IN0208	10/22/2024	10/22/2025
Sphere Thermometer	IN0085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

REPORT NUMBER: SP1-2501-319-9

CIE 1931 Chromaticity Diagram



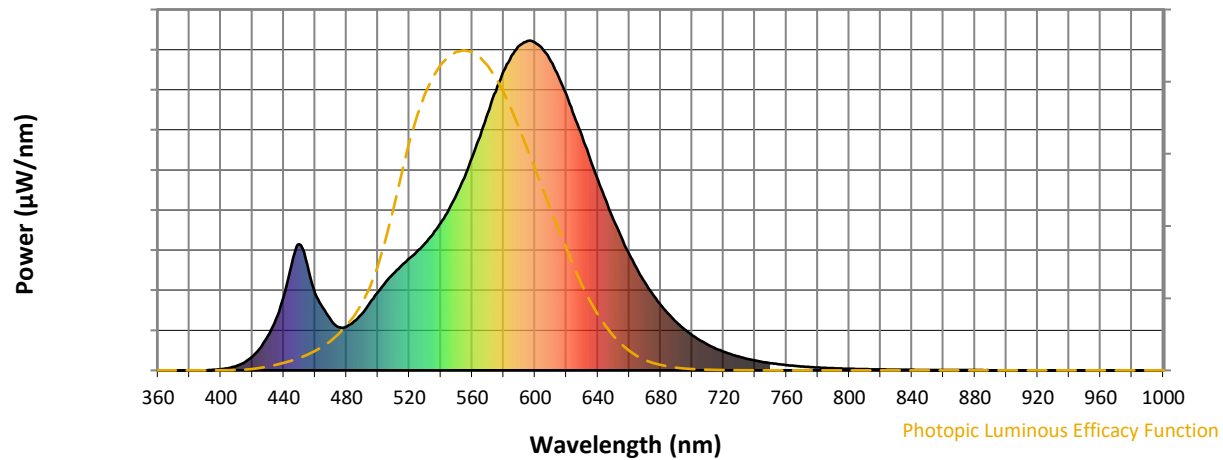
CIE 1931 Chromaticity Diagram with 2017 ANSI 7-Step and 4-Step Quadrangles



Point lies inside the ANSI 2700K 4-step quadrangle

REPORT NUMBER: SP1-2501-319-9

Photopic Flux vs. Wavelength

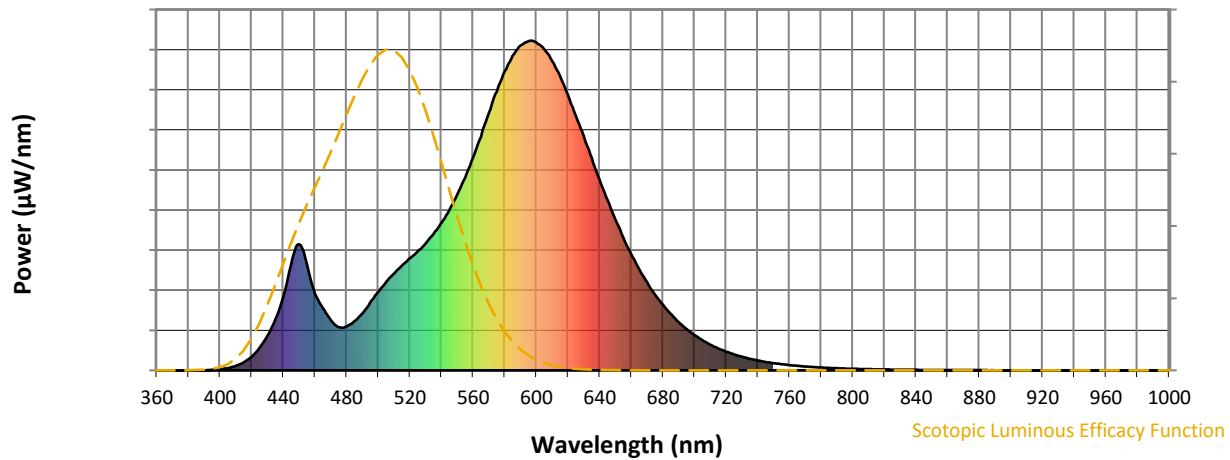


Photopic Lumens: NR

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			

REPORT NUMBER: SP1-2501-319-9

Scotopic Flux vs. Wavelength



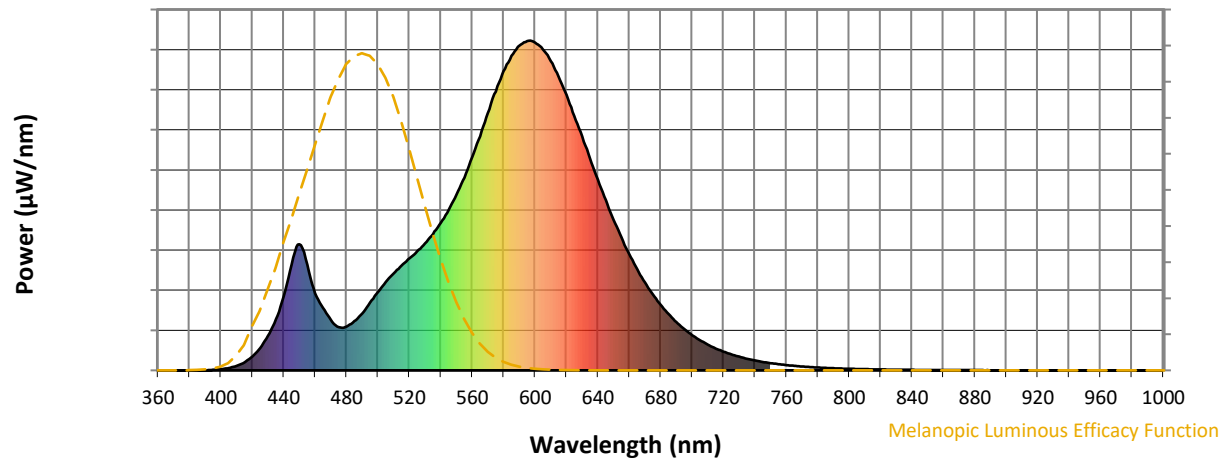
Scotopic Lumens: NR

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			

REPORT NUMBER: SP1-2501-319-9

Melanopic Flux vs. Wavelength


Melanopic Lumens: NR
M/P: 2.15

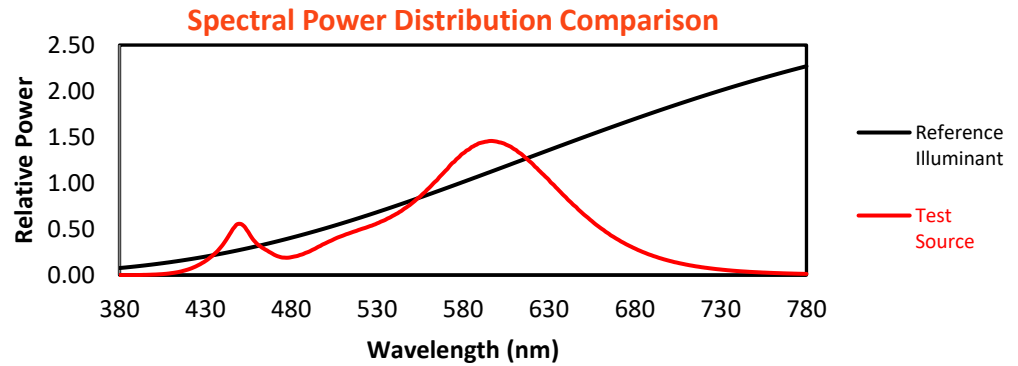
λ (nm)	Power $\text{W}^\wedge/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^\wedge/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^\wedge/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^\wedge/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^\wedge/\text{nm}$	Lumens (ϕ/nm)
360	0	NR	490	173	NR	620	836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

REPORT NUMBER: SP1-2501-319-9

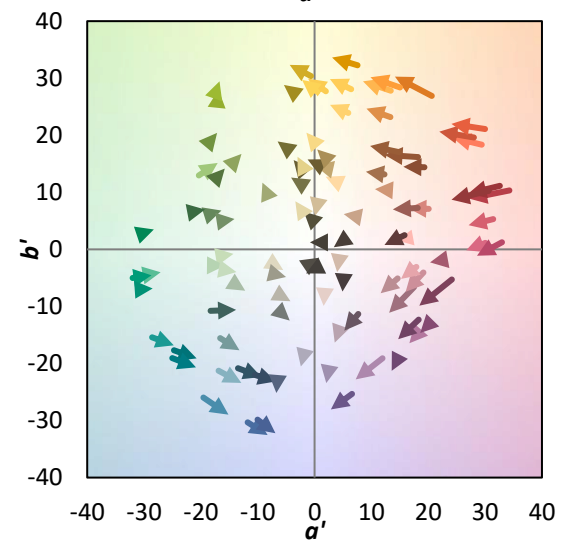
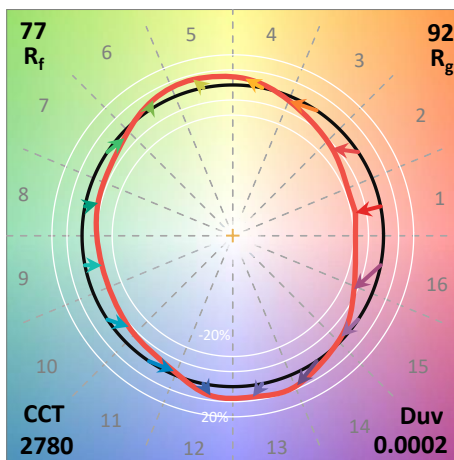
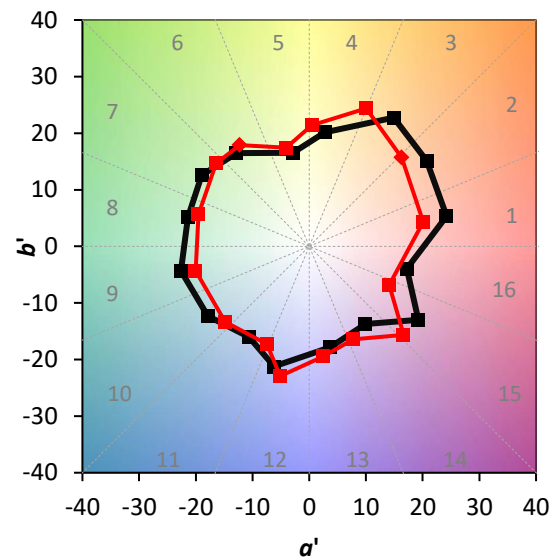
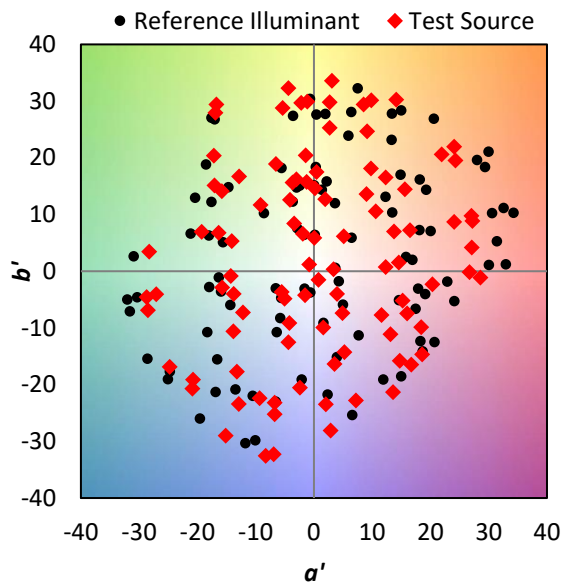
TM-30-18

Summary

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

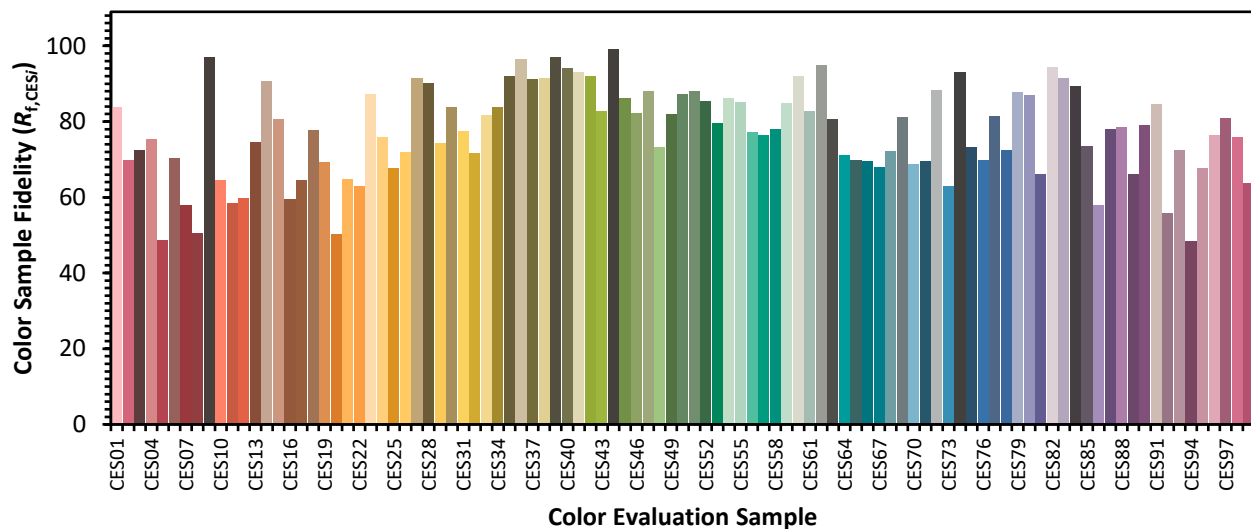


Color Vector Graphics

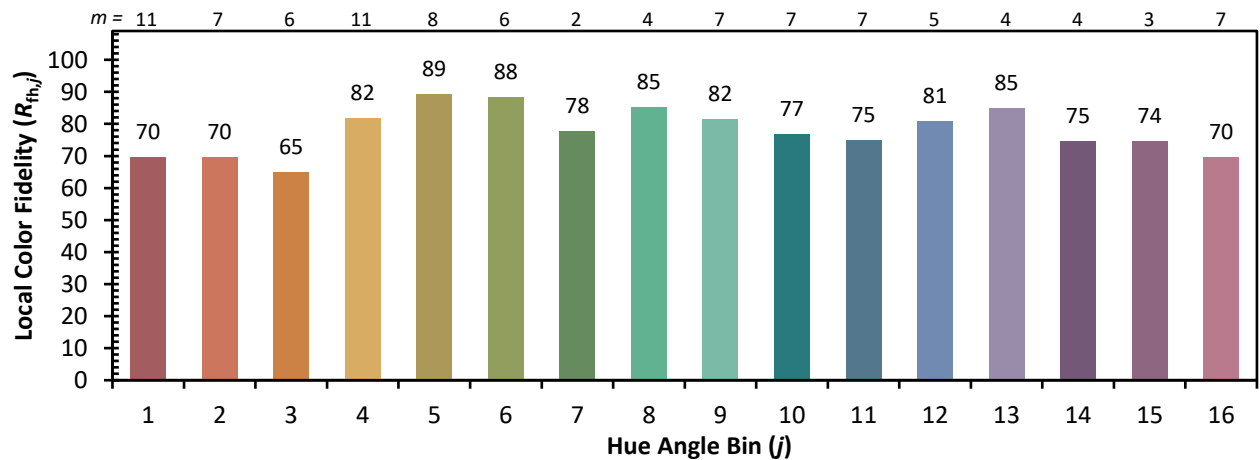
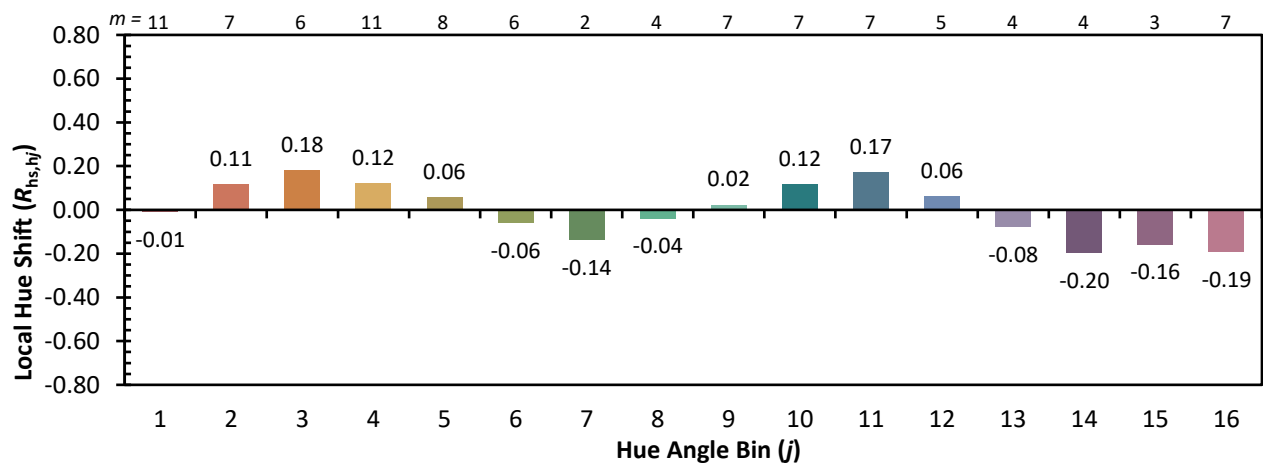
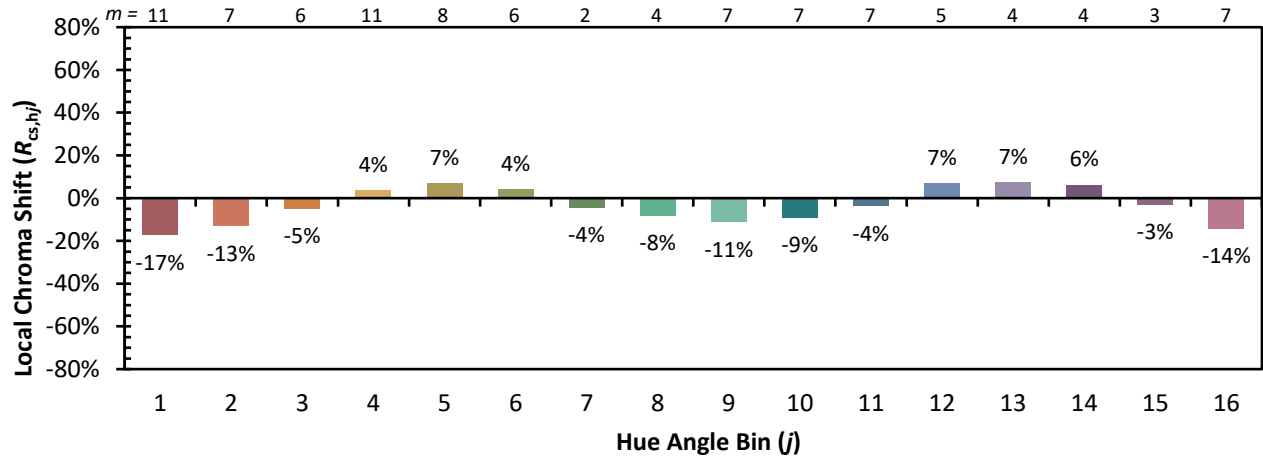


Individual Sample Fidelity Index ($R_{f,i}$)

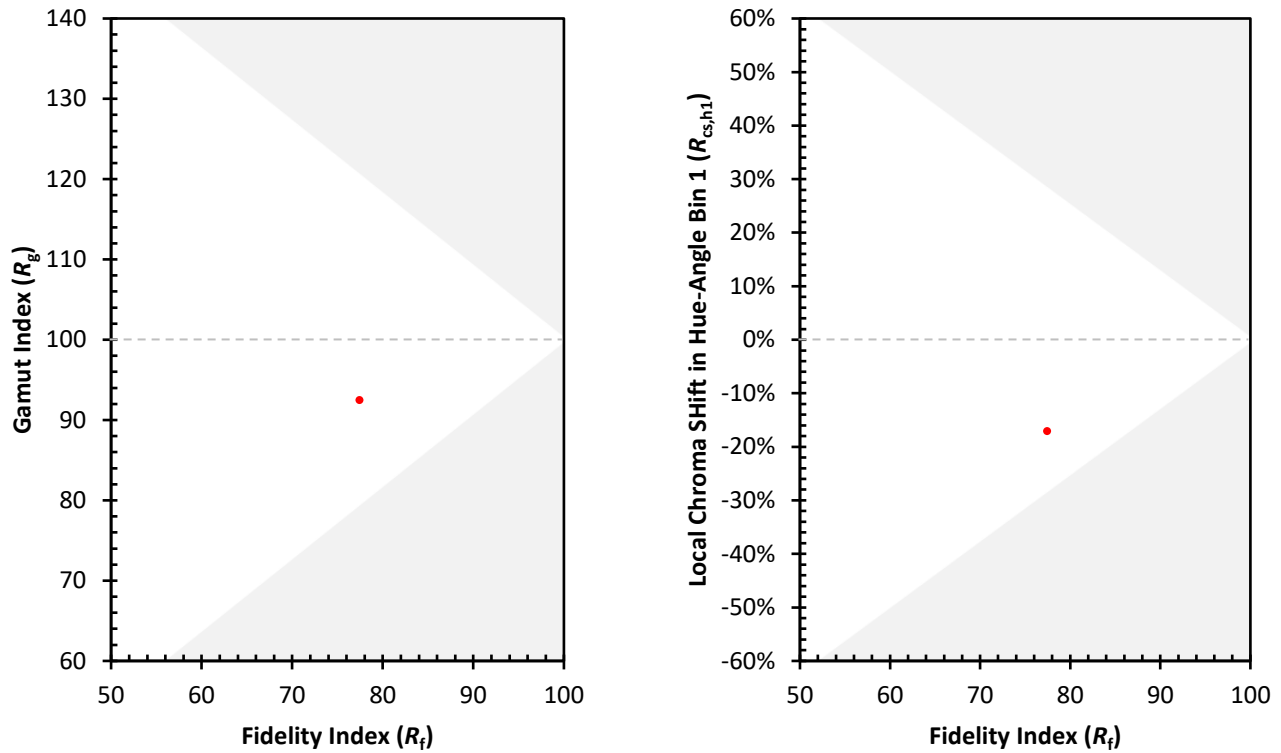
CES01 = 86	CES26 = 72	CES51 = 88	CES76 = 70
CES02 = 63	CES27 = 91	CES52 = 85	CES77 = 81
CES03 = 31	CES28 = 90	CES53 = 80	CES78 = 73
CES04 = 71	CES29 = 74	CES54 = 86	CES79 = 88
CES05 = 50	CES30 = 84	CES55 = 85	CES80 = 87
CES06 = 52	CES31 = 77	CES56 = 77	CES81 = 66
CES07 = 42	CES32 = 72	CES57 = 76	CES82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