

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: P980819

Luminaire Tested: **UFLD-L-CA4-390-730-U-66**

Issue Date: 04/10/2025

Test Information

Test Method: LM-79-08
Report Number: P980819
Test Lab: INNOVATION CENTER(G2)
Issue Date: 04/10/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: UFLD-L-CA4-390-730-U-66
Description: UTILITY FLOOD LARGE SIZE 390W 70CRI 3000K LED FIXTURE NEMA 6
Light Source: (4) 3000K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 54377.8 lumens
Efficiency: N/A
Efficacy: 140.0 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.67' x H: 0')
IES Classification: Type I - Short
BUG Rating: B5 - U0 - G3

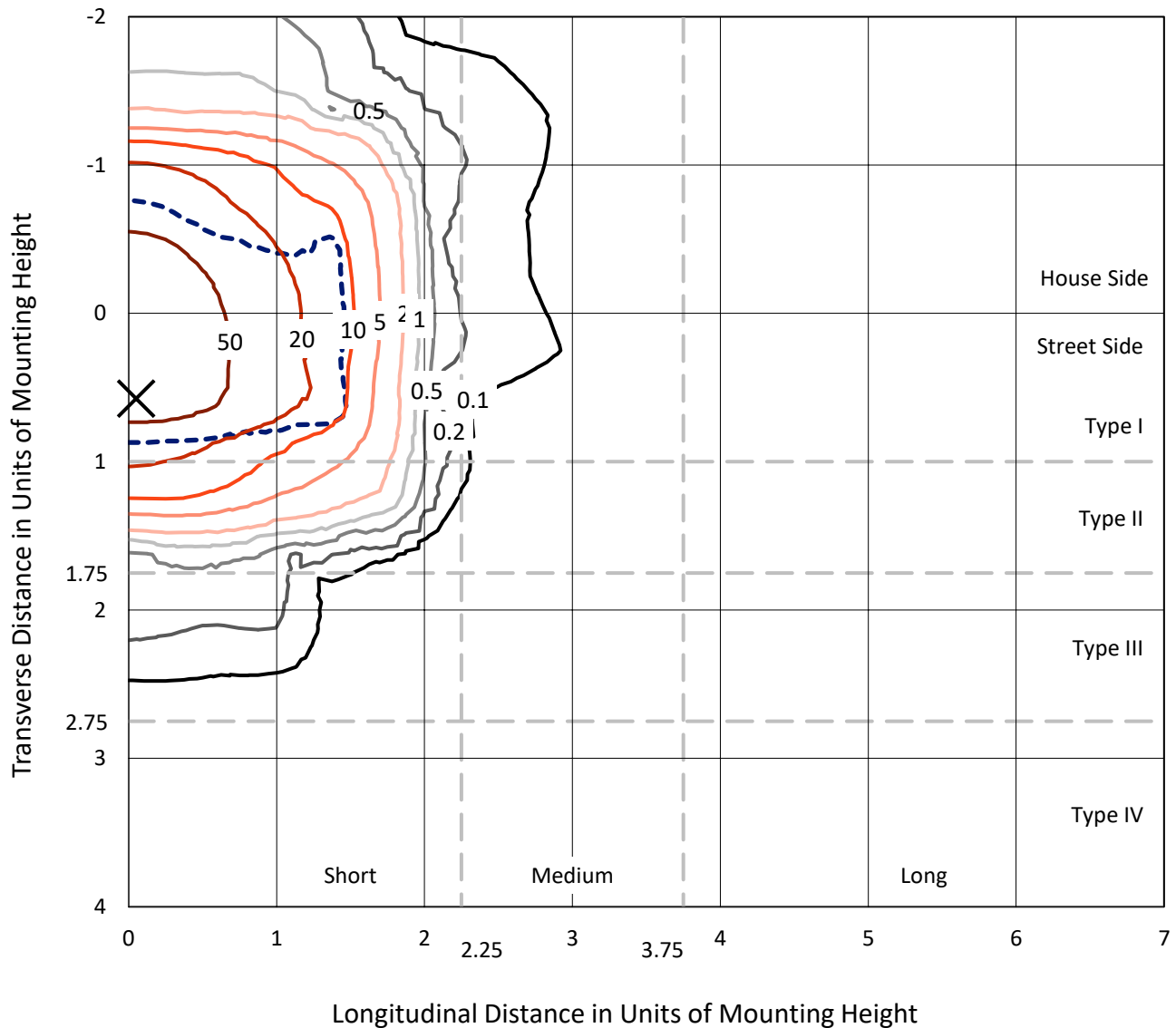
Input Watts (W): 388.4
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: 0.99
Total Harmonic Distortion (THDi): 2.46%
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P980819
 CATALOG NUMBER: UFLD-L-CA4-390-730-U-66

Iso-Footcandle Lines of Horizontal Illumination

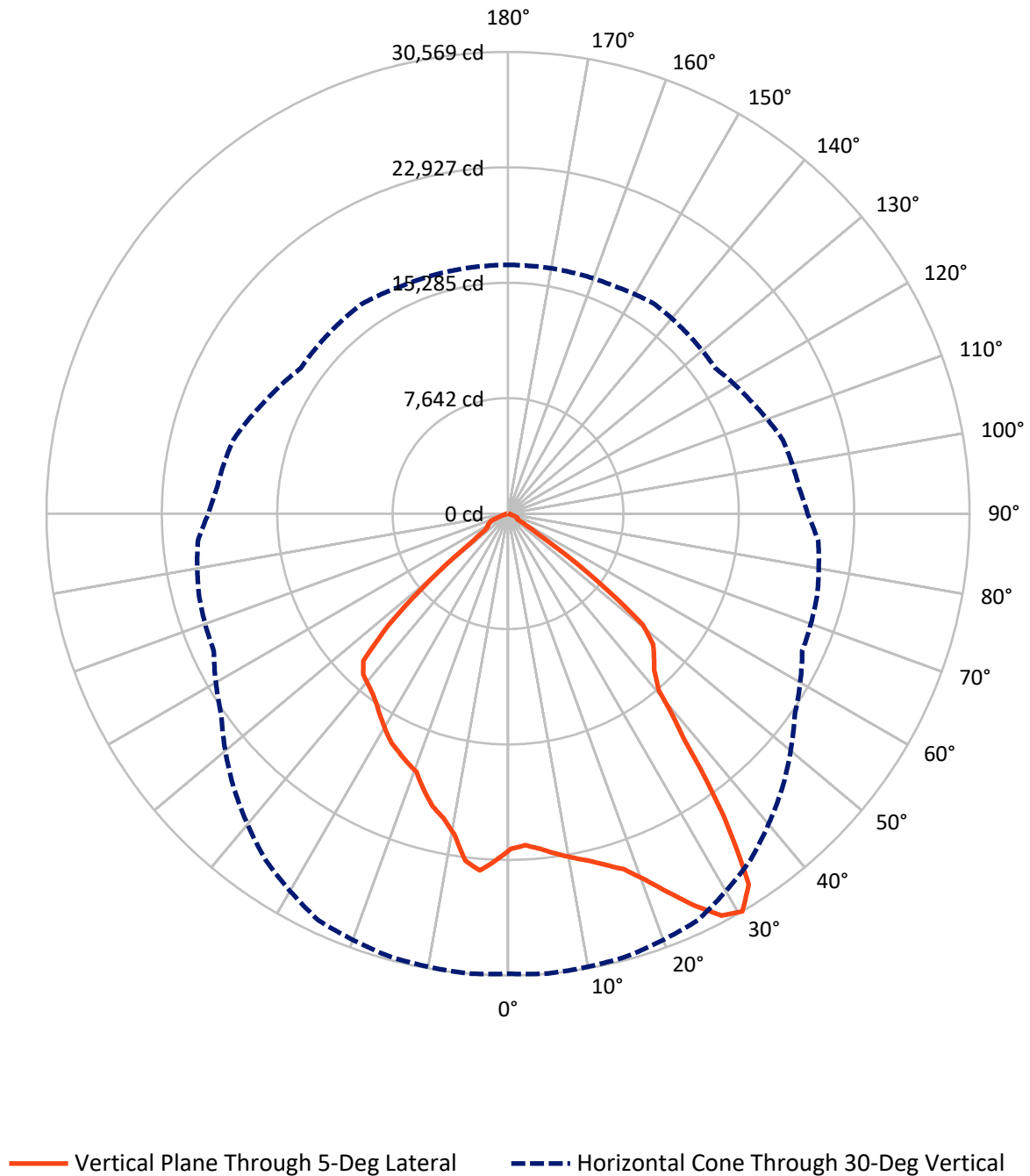
✕ Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 101.1 fc
 Type I - Short - N/A

REPORT NUMBER: P980819
CATALOG NUMBER: UFLD-L-CA4-390-730-U-66

Luminous Intensity Polar Plot



REPORT NUMBER: P980819

CATALOG NUMBER: UFLD-L-CA4-390-730-U-66

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	24050.8	0.0	24050.8
	% Fixture	44.2	0.0	44.2
Street Side	Lumens	30327.0	0.0	30327.0
	% Fixture	55.8	0.0	55.8
Total	Lumens	54377.8	0.0	54377.8
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	2171.2	4.0
10°-20°	6289.6	11.6
20°-30°	10023.1	18.4
30°-40°	12530.5	23.0
40°-50°	12296.6	22.6
50°-60°	8791.3	16.2
60°-70°	1945.1	3.6
70°-80°	298.8	0.5
80°-90°	31.6	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°	54377.8	100.0
0°-180°	54377.8	100.0

Coefficient of Utilization



REPORT NUMBER: P980819

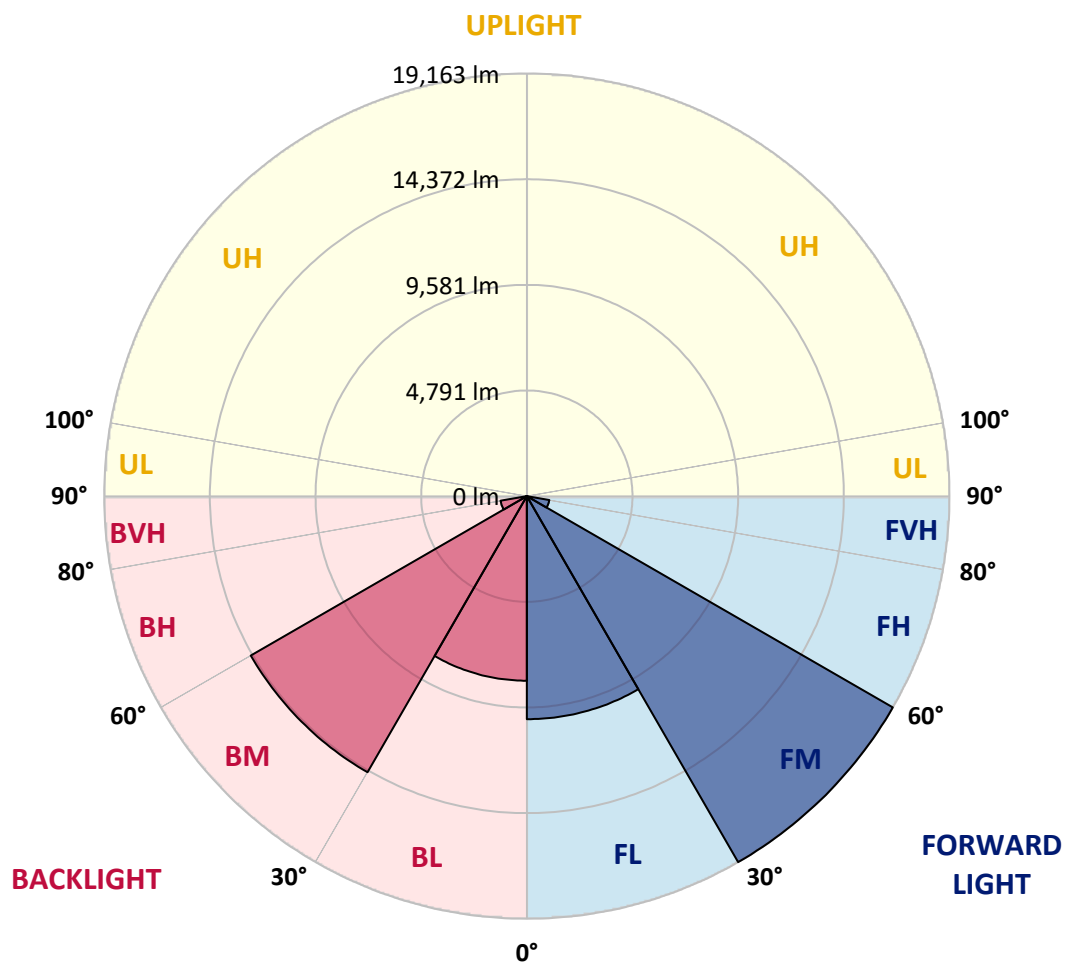
CATALOG NUMBER: UFLD-L-CA4-390-730-U-66

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	10113.8	18.6			
FM	(30°-60°)	19162.7	35.2			
FH	(60°-80°)	1034.6	1.9			G1/1800
FVH	(80°-90°)	16.0	0.0			G1/100
BL	(0°-30°)	8370.1	15.4	B5		
BM	(30°-60°)	14455.7	26.6	B5		
BH	(60°-80°)	1209.3	2.2	B3/2500		G3/2500
BVH	(80°-90°)	15.6	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-G3

Type I Short



REPORT NUMBER: P980819

CATALOG NUMBER: UFLD-L-CA4-390-730-U-66

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	22195.1	22195.1	22195.1	22195.1	22195.1	22195.1	22195.1	22195.1	22195.1	22195.1	22195.1
2.5°	21946.7	21982.2	22017.7	22070.9	22141.9	22177.4	22141.9	22106.4	22088.7	22124.2	22141.9
5°	22248.4	22301.6	22319.3	22354.8	22390.3	22354.8	22337.1	22301.6	22283.8	22301.6	22354.8
7.5°	22691.9	22727.4	22709.6	22691.9	22674.2	22550.0	22425.8	22372.5	22372.5	22425.8	22567.7
10°	23082.2	23153.2	23064.5	22993.5	22869.3	22674.2	22461.3	22337.1	22372.5	22479.0	22656.4
12.5°	23579.0	23579.0	23490.3	23419.3	23135.4	22904.8	22620.9	22425.8	22425.8	22620.9	22816.1
15°	24182.2	24129.0	24093.5	23898.4	23561.3	23188.7	22833.8	22550.0	22496.7	22798.4	22922.5
17.5°	24945.1	24750.0	24661.3	24324.2	23862.9	23383.8	22904.8	22674.2	22514.5	22833.8	22691.9
20°	25991.9	25850.0	25566.1	25033.8	24093.5	23472.5	22904.8	22603.2	22479.0	22656.4	22514.5
22.5°	27340.3	27251.6	26612.9	25938.7	24696.7	23543.5	22816.1	22408.0	22372.5	22283.8	21982.2
25°	28990.3	28759.6	28103.2	27145.1	25601.6	24235.4	22798.4	22053.2	21929.0	21698.4	21166.1
27.5°	30391.9	30143.5	29345.1	28493.5	26843.5	25264.5	22940.3	21627.4	21485.5	21325.8	20669.3
30°	30462.9	30569.3	30356.4	29717.7	27996.7	25690.3	23188.7	21503.2	21183.8	20616.1	19835.5
32.5°	29025.8	29274.1	29788.7	30019.3	28866.1	26204.8	23401.6	21556.4	20970.9	19604.8	18966.1
35°	24111.3	24608.0	26719.3	28706.4	29114.5	26950.0	23579.0	21556.4	20900.0	18877.4	18380.6
37.5°	18522.6	18930.6	20722.5	24324.2	28014.5	27411.2	23969.3	21432.2	20811.3	18930.6	18256.4
40°	15133.8	15364.5	16145.1	18593.5	24146.7	26648.3	24359.6	21574.2	20545.1	18966.1	18327.4
42.5°	14211.3	14193.5	14033.8	14938.7	18416.1	24412.9	24625.8	21929.0	20101.6	18735.5	18203.2
45°	13590.3	13554.8	13412.9	13590.3	14566.1	19977.4	24430.6	22567.7	19551.6	17919.3	17564.5
47.5°	12916.1	12933.9	12880.6	12951.6	12774.2	15169.3	23330.6	22833.8	18611.3	16553.2	16429.0
50°	11301.6	11567.7	12277.4	12348.4	11887.1	12241.9	19977.4	22709.6	17937.1	16162.9	16056.4
52.5°	7025.8	7451.6	9545.1	11319.3	11053.2	11053.2	15240.3	22887.1	16730.6	16020.9	16091.9
55°	2483.9	2803.2	5109.7	7788.7	9900.0	10095.1	12046.8	20367.7	16588.7	16269.3	16340.3
57.5°	621.0	762.9	1561.3	3371.0	6671.0	9154.8	10769.3	16819.3	12596.8	12153.2	12330.6
60°	727.4	709.7	975.8	1082.3	2590.3	7238.7	9704.8	11354.8	8125.8	7611.3	7700.0
62.5°	780.6	727.4	762.9	958.1	425.8	3548.4	7735.5	6759.7	3353.2	2483.9	2625.8
65°	691.9	656.5	603.2	887.1	301.6	656.5	4559.7	1987.1	479.0	762.9	691.9
67.5°	461.3	479.0	496.8	709.7	283.9	283.9	603.2	496.8	337.1	691.9	603.2
70°	266.1	283.9	337.1	425.8	283.9	230.6	266.1	408.1	283.9	691.9	603.2
72.5°	159.7	159.7	159.7	177.4	283.9	195.2	177.4	337.1	248.4	638.7	603.2
75°	124.2	124.2	124.2	106.5	248.4	124.2	124.2	266.1	212.9	461.3	461.3
77.5°	106.5	106.5	106.5	88.7	141.9	106.5	106.5	195.2	195.2	230.6	266.1
80°	71.0	71.0	71.0	71.0	88.7	88.7	71.0	106.5	88.7	106.5	124.2
82.5°	35.5	53.2	53.2	35.5	53.2	53.2	53.2	71.0	53.2	71.0	71.0
85°	17.7	17.7	17.7	17.7	17.7	17.7	17.7	35.5	17.7	17.7	35.5
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: P980819

CATALOG NUMBER: UFLD-L-CA4-390-730-U-66

CANDELA DISTRIBUTION (continued):

	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	22195.1	22195.1	22195.1	22195.1	22195.1	22195.1	22195.1	22195.1	22195.1	22195.1
2.5°	22177.4	22266.1	22390.3	22585.4	22656.4	22780.6	22887.1	22975.8	22975.8	22940.3
5°	22461.3	22709.6	23046.7	23348.4	23454.8	23579.0	23632.2	23720.9	23703.2	23685.4
7.5°	22709.6	23100.0	23454.8	23667.7	23632.2	23472.5	23366.1	23224.2	23170.9	23206.4
10°	22904.8	23259.6	23419.3	23277.4	22851.6	22479.0	22000.0	21680.6	21520.9	21574.2
12.5°	22975.8	23100.0	22958.0	22177.4	21645.1	21290.3	20900.0	20687.1	20598.4	20616.1
15°	22993.5	22709.6	21929.0	21343.5	20953.2	20509.6	20190.3	19995.1	19995.1	20012.9
17.5°	22620.9	21929.0	21254.8	20811.3	20261.3	19800.0	19622.6	19551.6	19108.0	19179.0
20°	22283.8	21290.3	20917.7	20225.8	19569.3	19267.7	18238.7	18132.2	18150.0	18167.7
22.5°	21574.2	20829.0	20491.9	19587.1	18841.9	18008.0	17866.1	17759.7	17777.4	17777.4
25°	20598.4	20172.6	19711.3	18770.9	17866.1	17706.4	17600.0	17458.0	17387.1	17404.8
27.5°	20048.4	19516.1	18664.5	17866.1	17280.6	17351.6	17227.4	17014.5	17014.5	17032.2
30°	19356.4	18841.9	17706.4	16766.1	16819.3	16925.8	16624.2	16517.7	16464.5	16464.5
32.5°	18504.8	17795.1	16801.6	15914.5	16233.8	16198.4	15825.8	15861.3	15896.8	15861.3
35°	17866.1	16943.5	16109.7	15630.6	15506.4	15364.5	15169.3	15293.5	15346.8	15311.3
37.5°	17706.4	16606.4	15737.1	15400.0	14920.9	14654.8	14708.0	14832.2	14903.2	14885.5
40°	17653.2	16269.3	15417.7	15062.9	14424.2	14193.5	14264.5	14512.9	14601.6	14583.8
42.5°	17582.2	16038.7	15222.6	14796.8	13909.7	13750.0	14087.1	14317.7	14335.5	14317.7
45°	17209.7	15790.3	15098.4	14246.8	13129.0	13324.2	13750.0	13874.2	13661.3	13572.6
47.5°	16340.3	15329.0	14725.8	13572.6	12490.3	12862.9	12916.1	11567.7	10787.1	10609.7
50°	16091.9	15346.8	14300.0	12774.2	12100.0	12472.6	10148.4	7753.2	6777.4	6582.2
52.5°	16020.9	15169.3	14459.7	11940.3	11958.0	10521.0	6404.8	3796.8	3051.6	2909.7
55°	16198.4	15950.0	14725.8	11443.5	11124.2	6848.4	2980.6	1791.9	1845.2	1791.9
57.5°	12224.2	13341.9	15045.1	10662.9	8125.8	3300.0	1880.6	1738.7	1614.5	1579.0
60°	7629.0	8693.5	11017.7	9172.6	4169.3	1969.4	1916.1	1614.5	1561.3	1543.5
62.5°	2519.4	3867.7	6316.1	6032.2	1153.2	1951.6	1933.9	1437.1	1437.1	1437.1
65°	638.7	656.5	1738.7	2075.8	851.6	1738.7	1845.2	1348.4	1312.9	1366.1
67.5°	550.0	496.8	922.6	816.1	709.7	1206.4	1614.5	1295.2	1224.2	1224.2
70°	550.0	585.5	904.8	762.9	443.5	656.5	1171.0	798.4	709.7	656.5
72.5°	514.5	567.7	798.4	691.9	301.6	319.4	514.5	266.1	248.4	212.9
75°	443.5	461.3	621.0	621.0	319.4	159.7	212.9	177.4	177.4	159.7
77.5°	301.6	230.6	354.8	443.5	230.6	106.5	88.7	88.7	88.7	71.0
80°	159.7	88.7	88.7	71.0	88.7	88.7	53.2	71.0	71.0	53.2
82.5°	88.7	53.2	53.2	35.5	35.5	53.2	35.5	35.5	35.5	35.5
85°	35.5	35.5	17.7	17.7	17.7	35.5	17.7	17.7	17.7	17.7
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	17.7	17.7
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: SP1-2501-319-10

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

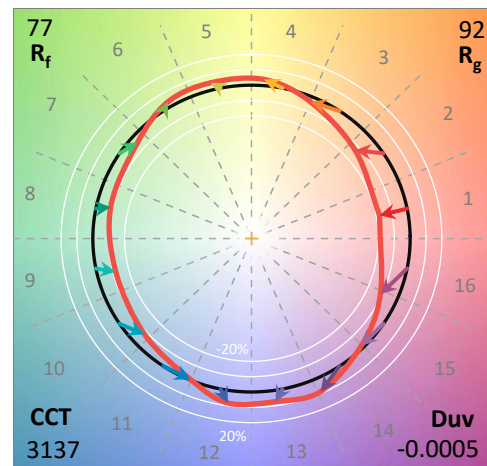
Test Information

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
 CIE u' : 0.2461
 CIE v' : 0.5180
 Duv: -0.0005
 CIE x: 0.4269
 CIE y: 0.3993
 CIE z: 0.1739
 Peak Wavelength (nm): 591
 Dominant Wavelength (nm): 582
 Purity: 47.96229
 R_f: 76.5
 R_g: 91.7

CRI (Ra): 71.4
 R1: 67.1
 R2: 84.2
 R3: 93.4
 R4: 65.5
 R5: 67.7
 R6: 78.9
 R7: 75.0
 R8: 39.1
 R9: -42.3
 R10: 65.1
 R11: 60.5
 R12: 58.2
 R13: 70.6
 R14: 96.6
 R15: 58.2



Test Conditions

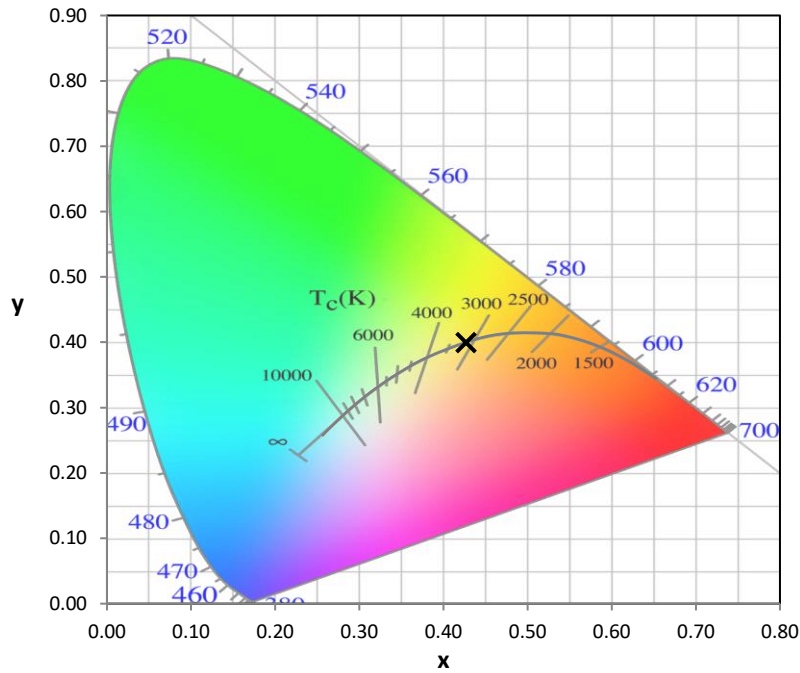
Stabilization Time: 39M
 Operation Time: 1H 39M
 Sphere Temperature (°C): 25.0

REPORT NUMBER: SP1-2501-319-10

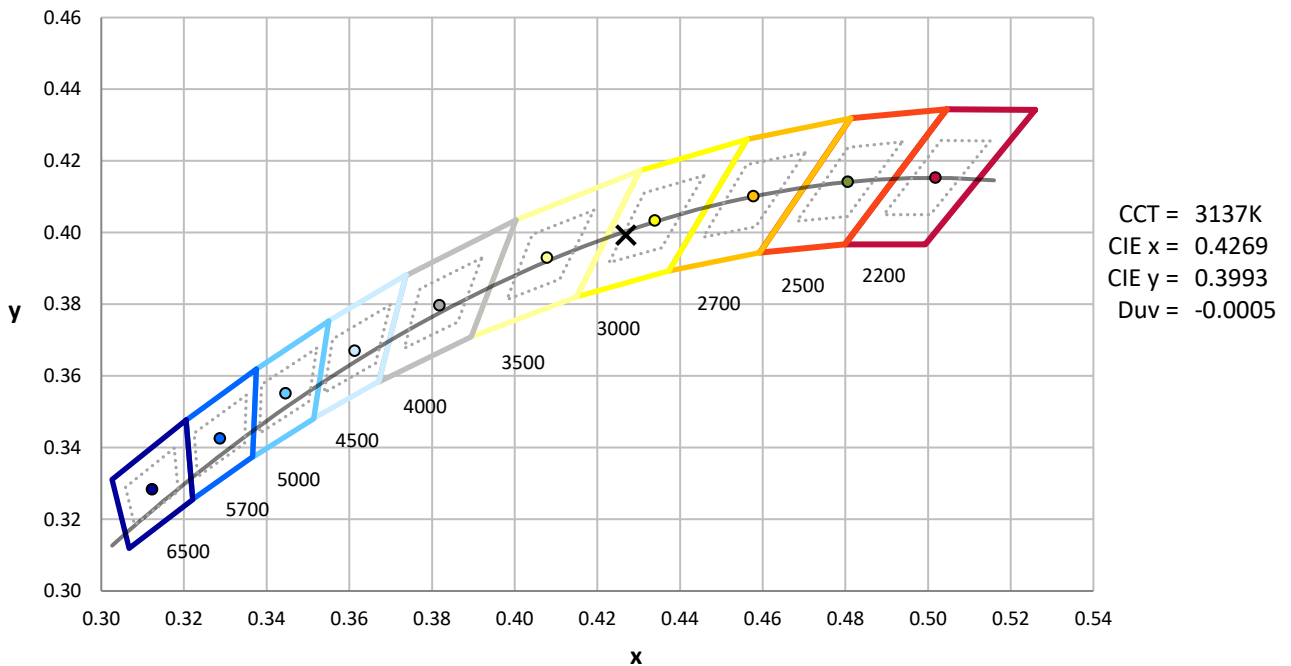
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	12/16/2024	6/16/2025
Power Meter	INXT2011004	1/21/2025	1/21/2026
AC Power Source	IN0063	10/22/2024	10/22/2025
DC Power Source	IN0208	10/22/2024	10/22/2025
Sphere Thermometer	IN0085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

REPORT NUMBER: SP1-2501-319-10

CIE 1931 Chromaticity Diagram



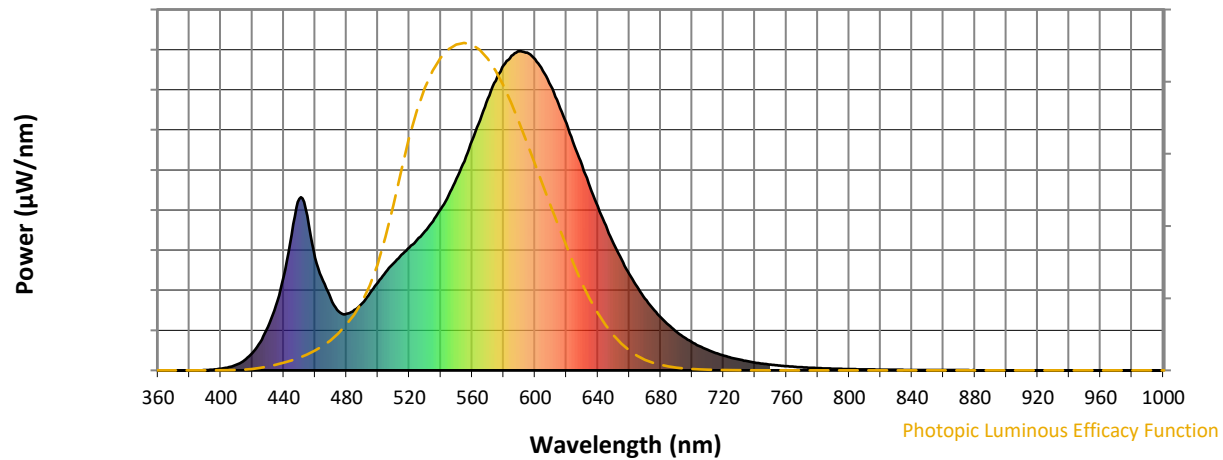
CIE 1931 Chromaticity Diagram with 2017 ANSI 7-Step and 4-Step Quadrangles



Point lies inside the ANSI 3000K 4-step quadrangle

REPORT NUMBER: SP1-2501-319-10

Photopic Flux vs. Wavelength

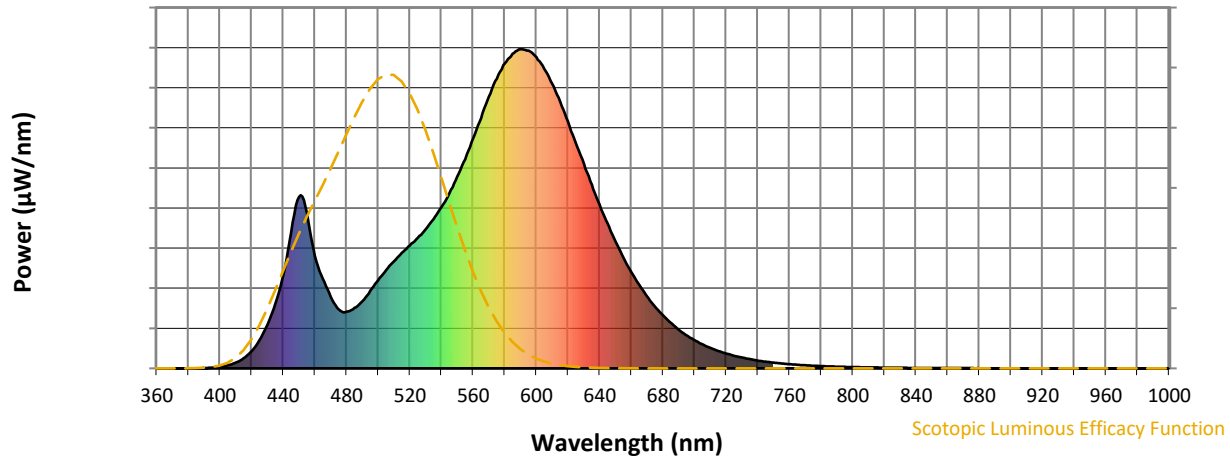


Photopic Lumens: NR

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			

REPORT NUMBER: SP1-2501-319-10

Scotopic Flux vs. Wavelength



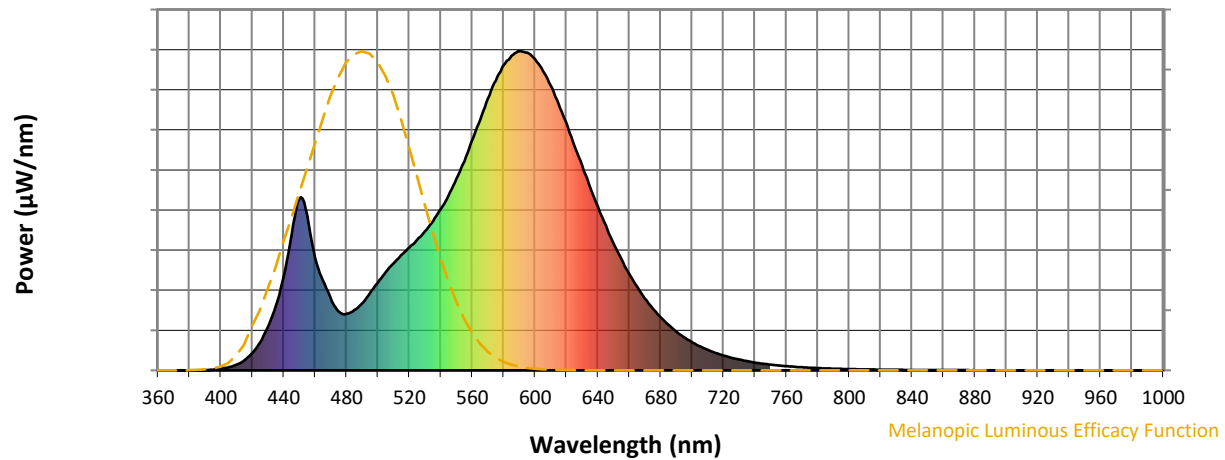
Scotopic Lumens: NR

S/P: 1.31

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	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			

REPORT NUMBER: SP1-2501-319-10

Melanopic Flux vs. Wavelength



Melanopic Lumens: NR

M/P: 2.52

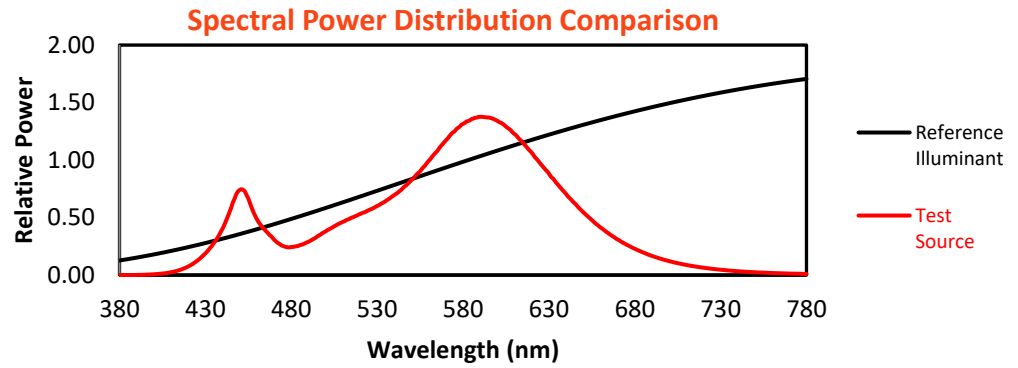
λ (nm)	Power $\text{W}^{\wedge}/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^{\wedge}/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^{\wedge}/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^{\wedge}/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^{\wedge}/\text{nm}$	Lumens (ϕ/nm)
360	0	NR	490	211	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			

REPORT NUMBER: SP1-2501-319-10

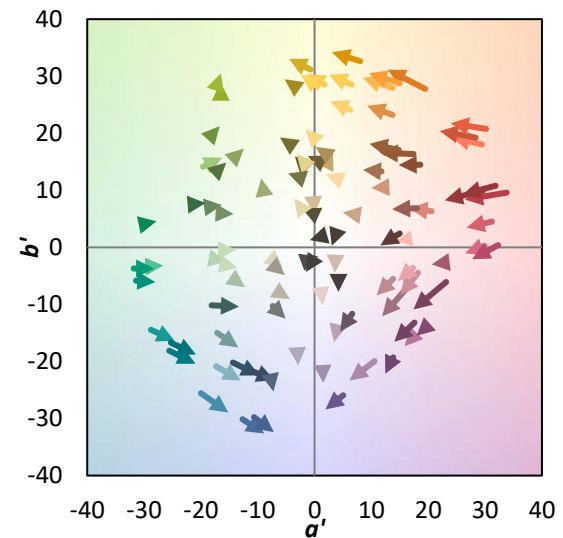
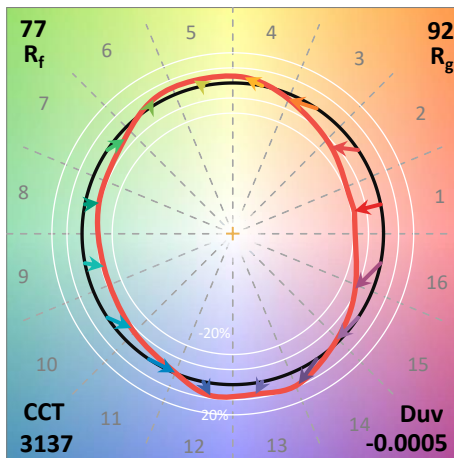
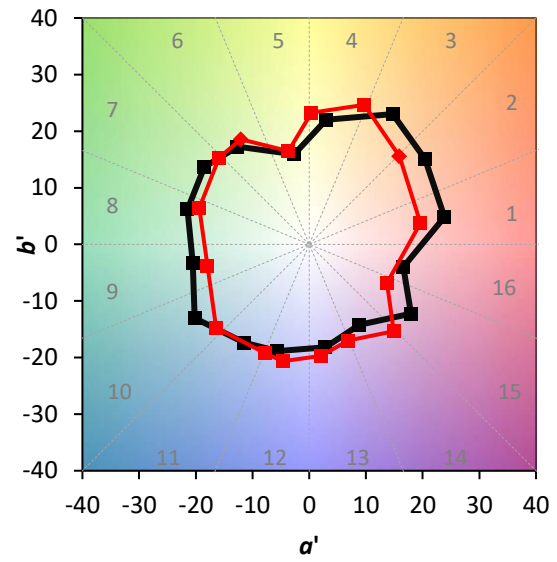
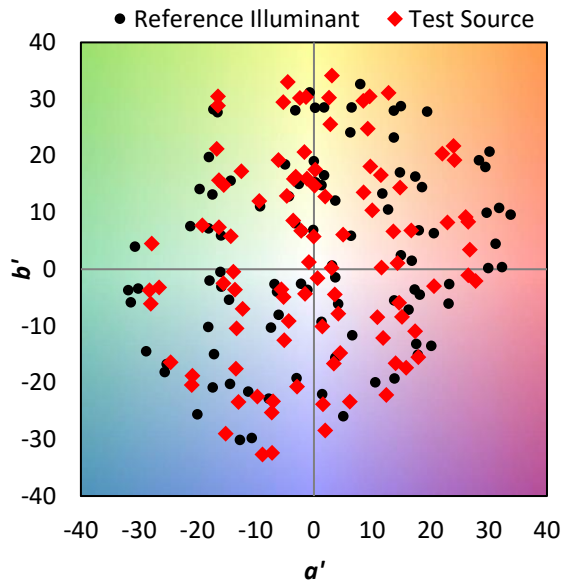
TM-30-18

Summary

$R_f = 76.5$
 $R_g = 91.7$
 $\text{CIE } R_a = 71.4$
 $R_g = -42.3$

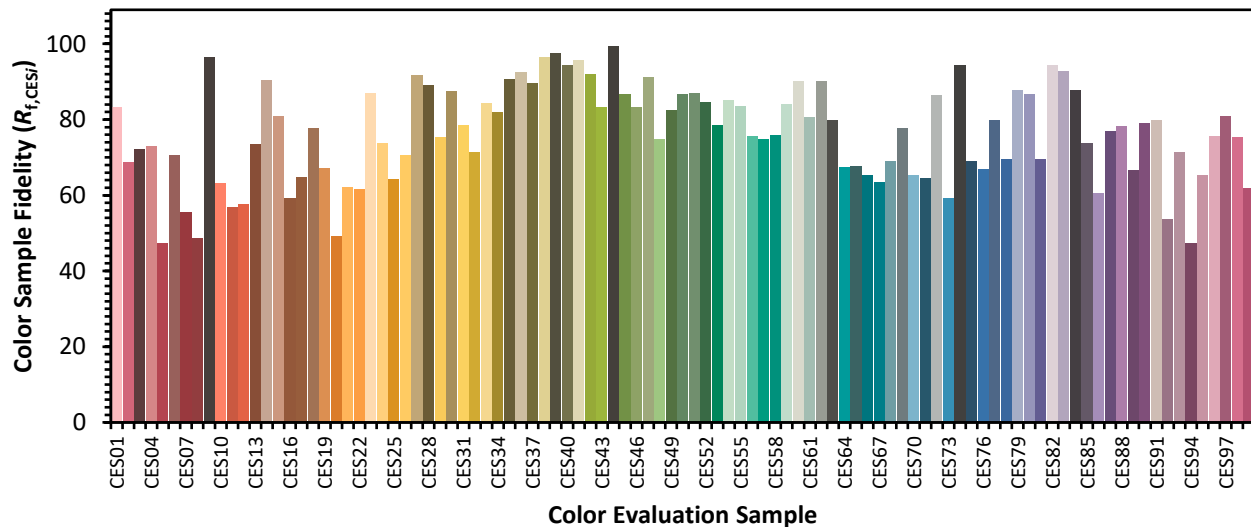


Color Vector Graphics

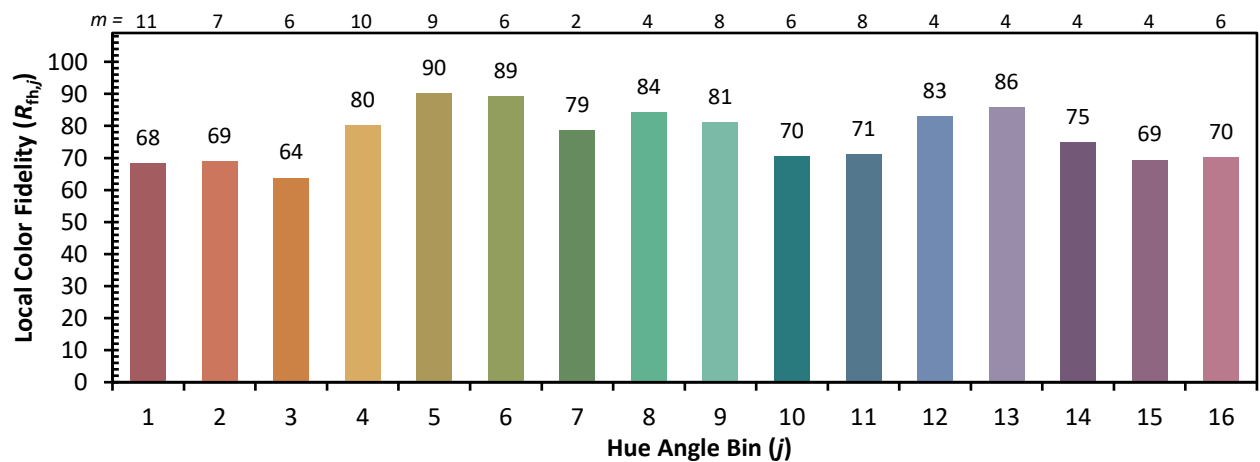
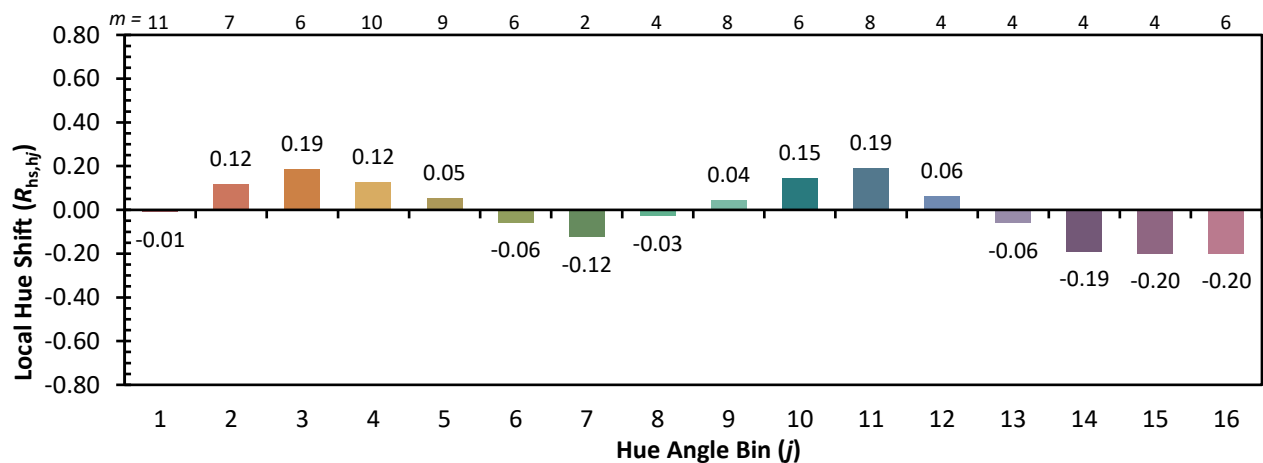
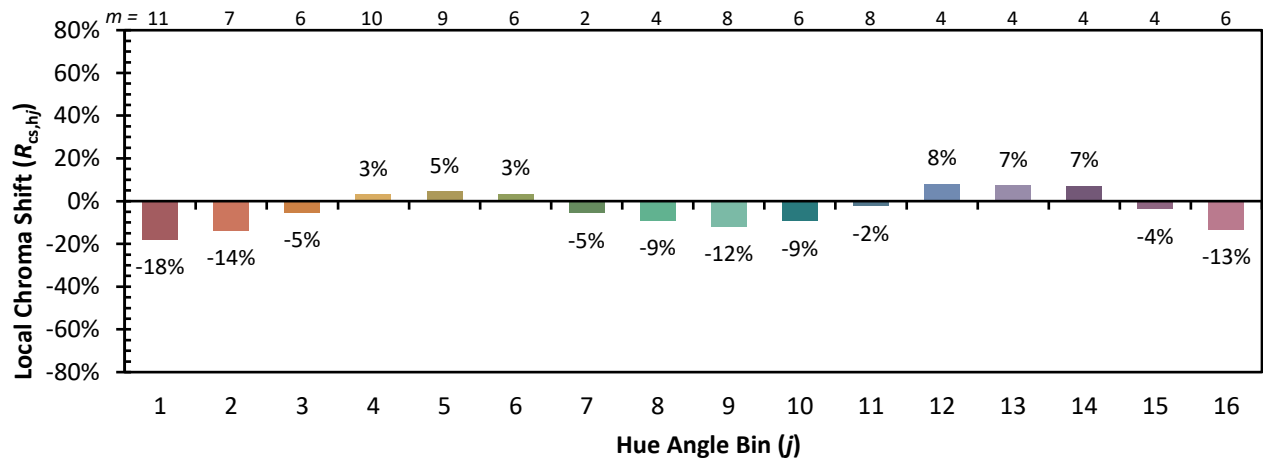


Individual Sample Fidelity Index ($R_{f,i}$)

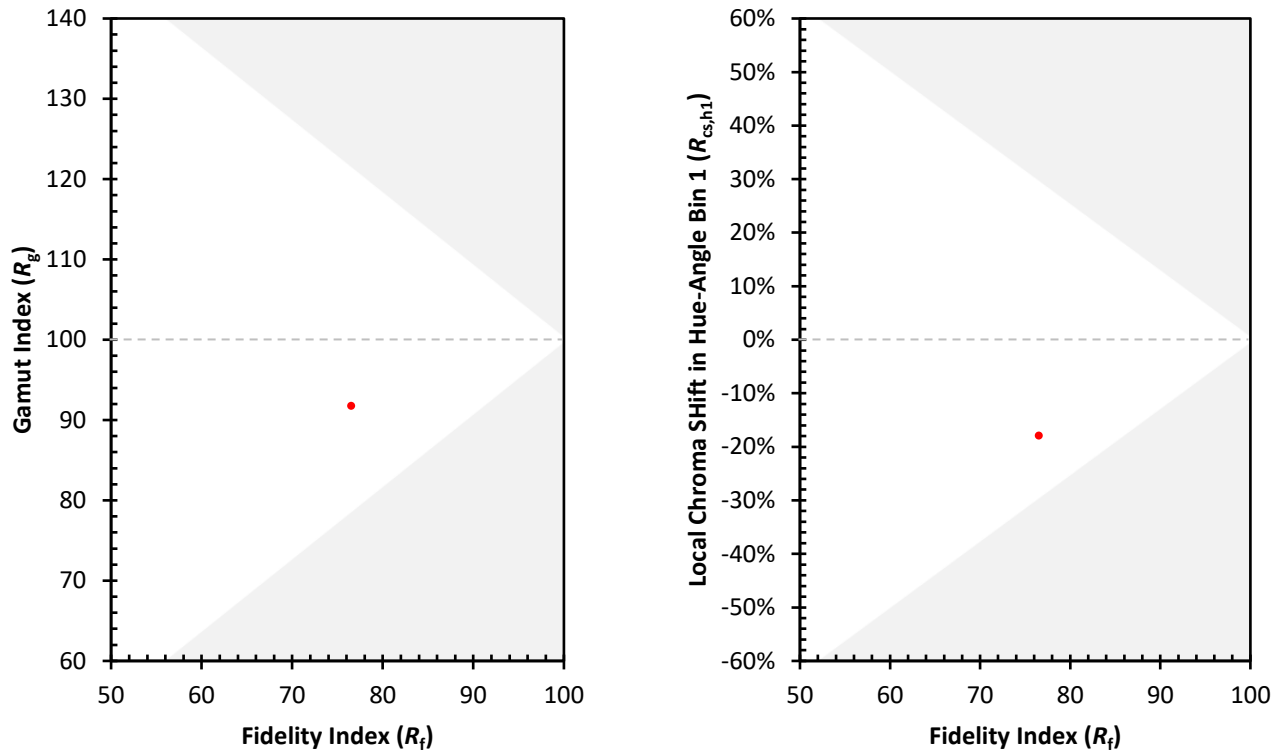
CES01 = 86	CES26 = 71	CES51 = 87	CES76 = 67
CES02 = 62	CES27 = 92	CES52 = 85	CES77 = 80
CES03 = 31	CES28 = 89	CES53 = 79	CES78 = 70
CES04 = 71	CES29 = 75	CES54 = 85	CES79 = 88
CES05 = 49	CES30 = 88	CES55 = 84	CES80 = 87
CES06 = 51	CES31 = 79	CES56 = 76	CES81 = 70
CES07 = 41	CES32 = 71	CES57 = 75	CES82 = 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	



Color Rendition by Hue-Angle Bin



Measure Comparisons



(END OF REPORT)