

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: P980800

Luminaire Tested: **UFLD-CA2-200-727-U-66**

Issue Date: 04/10/2025

Test Information

Test Method: LM-79-08
Report Number: P980800
Test Lab: INNOVATION CENTER(G2)
Issue Date: 04/10/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: UFLD-CA2-200-727-U-66
Description: UTILITY FLOOD MEDIUM SIZE 200W 70CRI 2700K LED FIXTURE NEMA 6
Light Source: (2) 2700K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

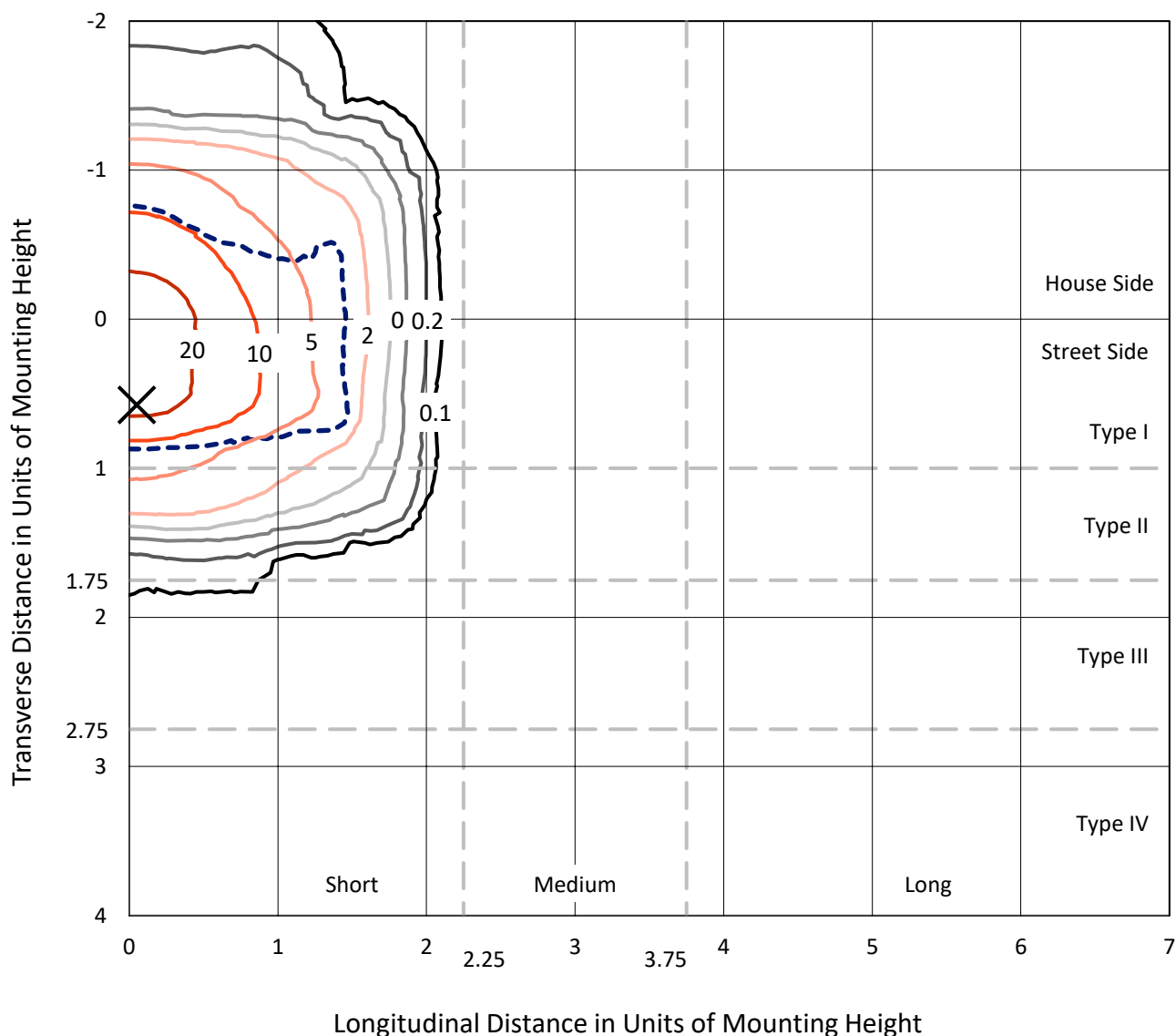
Lumens per Lamp: N/A
Luminaire Lumens: 26544.1 lumens
Efficiency: N/A
Efficacy: 134.7 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.31' x H: 0')
IES Classification: Type I - Short
BUG Rating: B4 - U0 - G2

Input Watts (W): 197
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: 0.99
Total Harmonic Distortion (THDi): 2.85%
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT

REPORT NUMBER: P980800
 CATALOG NUMBER: UFLD-CA2-200-727-U-66

Iso-Footcandle Lines of Horizontal Illumination

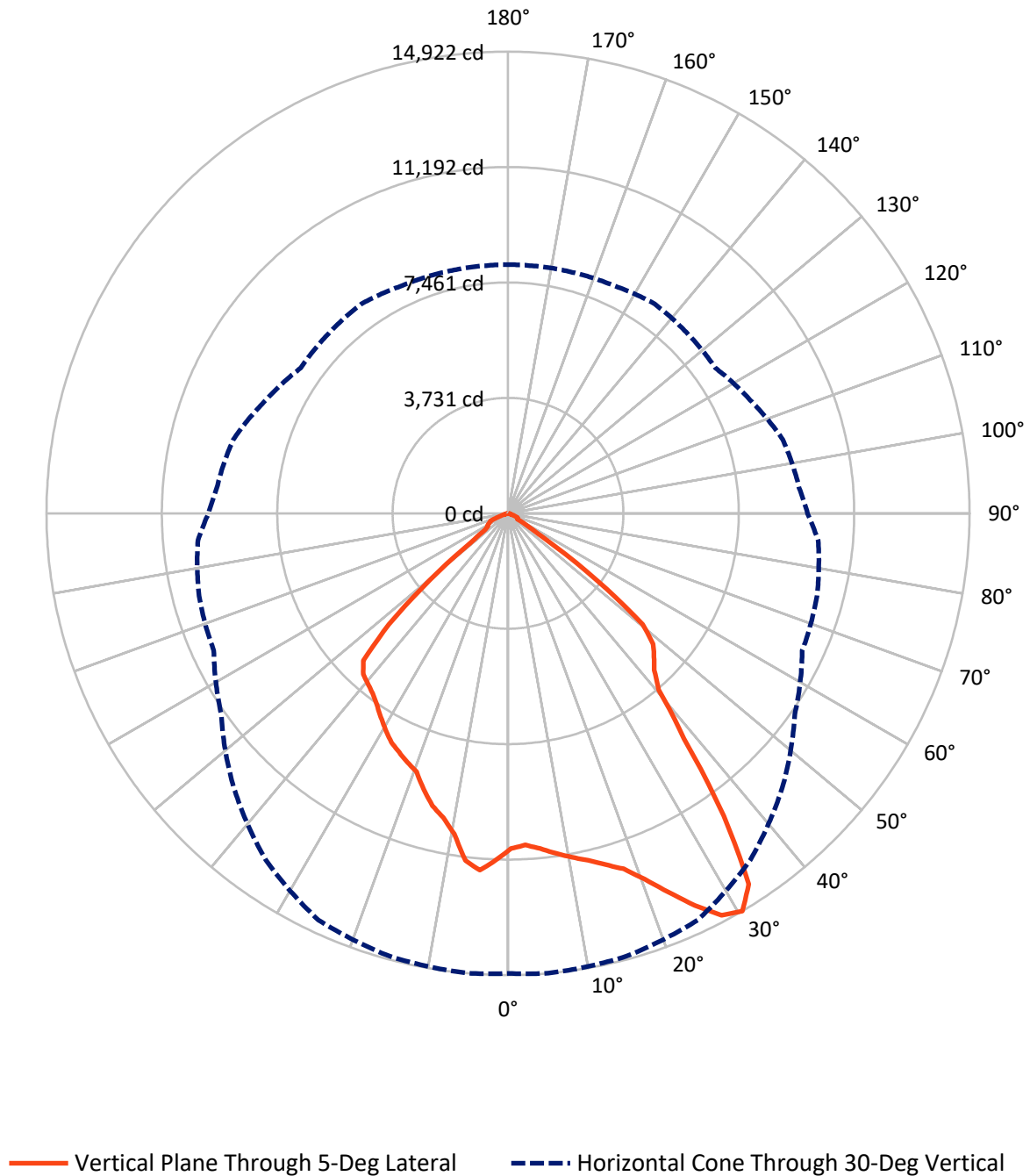
× Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 27.8 fc
 Type I - Short - N/A

REPORT NUMBER: P980800
CATALOG NUMBER: UFLD-CA2-200-727-U-66

Luminous Intensity Polar Plot



REPORT NUMBER: P980800

CATALOG NUMBER: UFLD-CA2-200-727-U-66

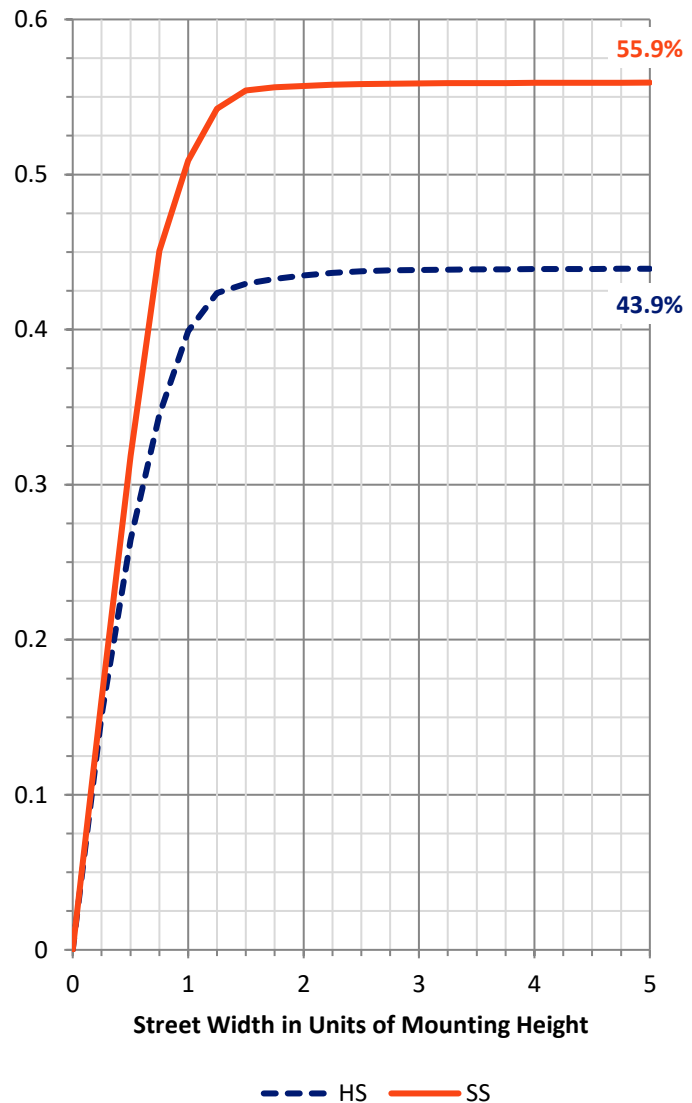
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	11740.2	0.0	11740.2
	% Fixture	44.2	0.0	44.2
Street Side	Lumens	14803.9	0.0	14803.9
	% Fixture	55.8	0.0	55.8
Total	Lumens	26544.1	0.0	26544.1
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1059.9	4.0
10°-20°	3070.2	11.6
20°-30°	4892.7	18.4
30°-40°	6116.7	23.0
40°-50°	6002.5	22.6
50°-60°	4291.4	16.2
60°-70°	949.5	3.6
70°-80°	145.8	0.5
80°-90°	15.4	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°	26544.1	100.0
0°-180°	26544.1	100.0

Coefficient of Utilization



REPORT NUMBER: P980800

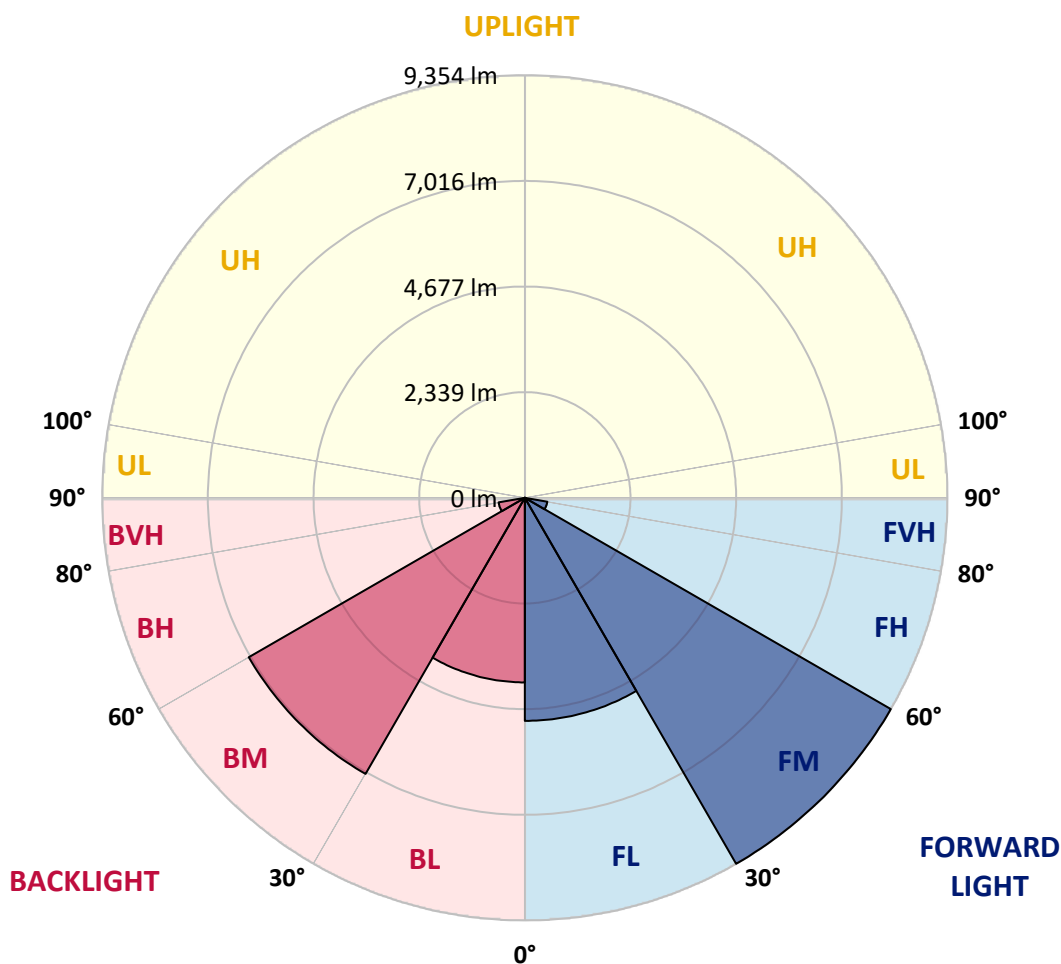
CATALOG NUMBER: UFLD-CA2-200-727-U-66

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	4937.0	18.6			
FM	(30°-60°)	9354.1	35.2			
FH	(60°-80°)	505.0	1.9			G0/660
FVH	(80°-90°)	7.8	0.0			G0/10
BL	(0°-30°)	4085.8	15.4	B4/5000		
BM	(30°-60°)	7056.4	26.6	B4/8500		
BH	(60°-80°)	590.3	2.2	B2/1000		G2/1000
BVH	(80°-90°)	7.6	0.0			G0/10
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B4-U0-G2

Type I Short





REPORT NUMBER: P980800

CATALOG NUMBER: UFLD-CA2-200-727-U-66

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	10834.4	10834.4	10834.4	10834.4	10834.4	10834.4	10834.4	10834.4	10834.4	10834.4	10834.4
2.5°	10713.1	10730.5	10747.8	10773.8	10808.4	10825.7	10808.4	10791.1	10782.4	10799.8	10808.4
5°	10860.4	10886.4	10895.0	10912.3	10929.7	10912.3	10903.7	10886.4	10877.7	10886.4	10912.3
7.5°	11076.9	11094.2	11085.6	11076.9	11068.2	11007.6	10947.0	10921.0	10921.0	10947.0	11016.3
10°	11267.4	11302.1	11258.8	11224.1	11163.5	11068.2	10964.3	10903.7	10921.0	10973.0	11059.6
12.5°	11509.9	11509.9	11466.6	11432.0	11293.4	11180.8	11042.2	10947.0	10947.0	11042.2	11137.5
15°	11804.4	11778.4	11761.1	11665.8	11501.3	11319.4	11146.2	11007.6	10981.6	11128.9	11189.5
17.5°	12176.8	12081.5	12038.2	11873.7	11648.5	11414.7	11180.8	11068.2	10990.3	11146.2	11076.9
20°	12687.8	12618.5	12479.9	12220.1	11761.1	11458.0	11180.8	11033.6	10973.0	11059.6	10990.3
22.5°	13346.0	13302.7	12990.9	12661.8	12055.5	11492.6	11137.5	10938.3	10921.0	10877.7	10730.5
25°	14151.4	14038.8	13718.4	13250.7	12497.2	11830.4	11128.9	10765.1	10704.5	10591.9	10332.1
27.5°	14835.6	14714.3	14324.6	13908.9	13103.5	12332.7	11198.1	10557.3	10488.0	10410.0	10089.6
30°	14870.2	14922.2	14818.3	14506.5	13666.4	12540.5	11319.4	10496.6	10340.7	10063.6	9682.5
32.5°	14168.7	14290.0	14541.1	14653.7	14090.8	12791.7	11423.3	10522.6	10236.8	9569.9	9258.2
35°	11769.7	12012.2	13042.8	14012.8	14212.0	13155.4	11509.9	10522.6	10202.2	9214.9	8972.4
37.5°	9041.7	9240.8	10115.6	11873.7	13675.1	13380.6	11700.5	10462.0	10158.9	9240.8	8911.7
40°	7387.5	7500.1	7881.1	9076.3	11787.1	13008.2	11891.0	10531.3	10029.0	9258.2	8946.4
42.5°	6937.1	6928.5	6850.5	7292.2	8989.7	11917.0	12020.9	10704.5	9812.4	9145.6	8885.8
45°	6634.0	6616.7	6547.4	6634.0	7110.3	9751.8	11925.6	11016.3	9544.0	8747.2	8574.0
47.5°	6304.9	6313.6	6287.6	6322.2	6235.6	7404.8	11388.7	11146.2	9085.0	8080.3	8019.7
50°	5516.8	5646.7	5993.1	6027.8	5802.6	5975.8	9751.8	11085.6	8755.9	7889.8	7837.8
52.5°	3429.6	3637.4	4659.4	5525.5	5395.5	5395.5	7439.4	11172.2	8166.9	7820.5	7855.2
55°	1212.5	1368.4	2494.2	3802.0	4832.6	4927.9	5880.5	9942.4	8097.6	7941.8	7976.4
57.5°	303.1	372.4	762.1	1645.5	3256.4	4468.9	5257.0	8210.2	6149.0	5932.5	6019.1
60°	355.1	346.4	476.3	528.3	1264.4	3533.5	4737.3	5542.8	3966.5	3715.4	3758.7
62.5°	381.1	355.1	372.4	467.7	207.9	1732.1	3776.0	3299.7	1636.9	1212.5	1281.8
65°	337.8	320.4	294.5	433.0	147.2	320.4	2225.8	970.0	233.8	372.4	337.8
67.5°	225.2	233.8	242.5	346.4	138.6	138.6	294.5	242.5	164.6	337.8	294.5
70°	129.9	138.6	164.6	207.9	138.6	112.6	129.9	199.2	138.6	337.8	294.5
72.5°	77.9	77.9	77.9	86.6	138.6	95.3	86.6	164.6	121.2	311.8	294.5
75°	60.6	60.6	60.6	52.0	121.2	60.6	60.6	129.9	103.9	225.2	225.2
77.5°	52.0	52.0	52.0	43.3	69.3	52.0	52.0	95.3	95.3	112.6	129.9
80°	34.6	34.6	34.6	34.6	43.3	43.3	34.6	52.0	43.3	52.0	60.6
82.5°	17.3	26.0	26.0	17.3	26.0	26.0	26.0	34.6	26.0	34.6	34.6
85°	8.7	8.7	8.7	8.7	8.7	8.7	8.7	17.3	8.7	8.7	17.3
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: P980800

CATALOG NUMBER: UFLD-CA2-200-727-U-66

CANDELA DISTRIBUTION (continued):

	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	10834.4	10834.4	10834.4	10834.4	10834.4	10834.4	10834.4	10834.4	10834.4	10834.4
2.5°	10825.7	10869.0	10929.7	11024.9	11059.6	11120.2	11172.2	11215.5	11215.5	11198.1
5°	10964.3	11085.6	11250.1	11397.3	11449.3	11509.9	11535.9	11579.2	11570.5	11561.9
7.5°	11085.6	11276.1	11449.3	11553.2	11535.9	11458.0	11406.0	11336.7	11310.7	11328.0
10°	11180.8	11354.0	11432.0	11362.7	11154.8	10973.0	10739.1	10583.2	10505.3	10531.3
12.5°	11215.5	11276.1	11206.8	10825.7	10565.9	10392.7	10202.2	10098.2	10054.9	10063.6
15°	11224.1	11085.6	10704.5	10418.7	10228.2	10011.6	9855.7	9760.5	9760.5	9769.1
17.5°	11042.2	10704.5	10375.4	10158.9	9890.4	9665.2	9578.6	9544.0	9327.5	9362.1
20°	10877.7	10392.7	10210.8	9873.1	9552.6	9405.4	8903.1	8851.1	8859.8	8868.4
22.5°	10531.3	10167.5	10003.0	9561.3	9197.5	8790.5	8721.2	8669.2	8677.9	8677.9
25°	10054.9	9847.1	9621.9	9162.9	8721.2	8643.3	8591.3	8522.0	8487.4	8496.0
27.5°	9786.5	9526.6	9110.9	8721.2	8435.4	8470.1	8409.4	8305.5	8305.5	8314.2
30°	9448.7	9197.5	8643.3	8184.3	8210.2	8262.2	8115.0	8063.0	8037.0	8037.0
32.5°	9033.0	8686.6	8201.6	7768.5	7924.4	7907.1	7725.2	7742.6	7759.9	7742.6
35°	8721.2	8270.9	7863.8	7630.0	7569.4	7500.1	7404.8	7465.4	7491.4	7474.1
37.5°	8643.3	8106.3	7681.9	7517.4	7283.6	7153.6	7179.6	7240.3	7274.9	7266.2
40°	8617.3	7941.8	7526.1	7352.8	7041.1	6928.5	6963.1	7084.4	7127.7	7119.0
42.5°	8582.6	7829.2	7430.8	7222.9	6789.9	6712.0	6876.5	6989.1	6997.8	6989.1
45°	8400.8	7707.9	7370.2	6954.5	6408.8	6504.1	6712.0	6772.6	6668.7	6625.3
47.5°	7976.4	7482.7	7188.3	6625.3	6097.1	6278.9	6304.9	5646.7	5265.6	5179.0
50°	7855.2	7491.4	6980.4	6235.6	5906.5	6088.4	4953.9	3784.7	3308.3	3213.1
52.5°	7820.5	7404.8	7058.4	5828.6	5837.2	5135.7	3126.5	1853.4	1489.6	1420.3
55°	7907.1	7785.9	7188.3	5586.1	5430.2	3343.0	1455.0	874.7	900.7	874.7
57.5°	5967.1	6512.8	7344.2	5205.0	3966.5	1610.9	918.0	848.7	788.1	770.8
60°	3724.1	4243.7	5378.2	4477.5	2035.2	961.3	935.3	788.1	762.1	753.5
62.5°	1229.8	1888.0	3083.2	2944.6	562.9	952.7	944.0	701.5	701.5	701.5
65°	311.8	320.4	848.7	1013.3	415.7	848.7	900.7	658.2	640.9	666.9
67.5°	268.5	242.5	450.4	398.4	346.4	588.9	788.1	632.2	597.6	597.6
70°	268.5	285.8	441.7	372.4	216.5	320.4	571.6	389.7	346.4	320.4
72.5°	251.2	277.1	389.7	337.8	147.2	155.9	251.2	129.9	121.2	103.9
75°	216.5	225.2	303.1	303.1	155.9	77.9	103.9	86.6	86.6	77.9
77.5°	147.2	112.6	173.2	216.5	112.6	52.0	43.3	43.3	43.3	34.6
80°	77.9	43.3	43.3	34.6	43.3	43.3	26.0	34.6	34.6	26.0
82.5°	43.3	26.0	26.0	17.3	17.3	26.0	17.3	17.3	17.3	17.3
85°	17.3	17.3	8.7	8.7	8.7	17.3	8.7	8.7	8.7	8.7
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	8.7	8.7
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

Streetworks

Report Number: SP1-2501-336-3

Test Date: 04/11/2025

Luminaire Tested: UFLD-L-CA4-390-727-U-66

Data in this report applies to families of products including UFLD-L-CA4-390-727-U-66

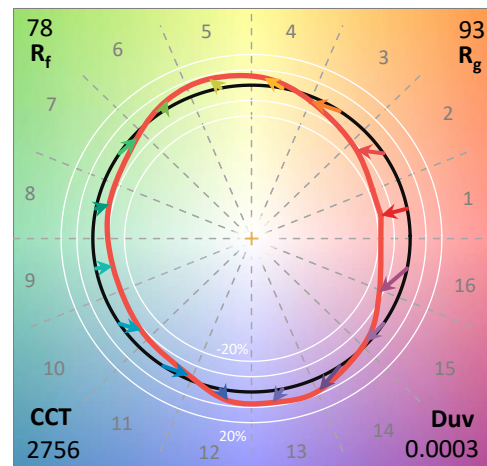
Test Information

Test Method: LM-79-2019
 Report Number: SP1-2501-336-3
 Test Lab: COOPER LIGHTING SOLUTIONS
 Photometer: SP1 - 76IN SPHERE
 Measurement Geometry: 4π
 Issue Date: 04/15/2025
 Manufacturer: COOPER LIGHTING SOLUTIONS
 Product Line: Streetworks
 Catalog Number: **UFLD-L-CA4-390-727-U-66**
 Description: UTILITY FLOOD 390W NEMA6

Spectral Parameters

CCT (K): 2756
 CIE u' : 0.2600
 CIE v' : 0.5267
 Duv: 0.0003
 CIE x: 0.4558
 CIE y: 0.4104
 CIE z: 0.1337
 Peak Wavelength (nm): 598
 Dominant Wavelength (nm): 583
 Purity: 60.02455
 R_f: 77.6
 R_g: 92.8

CRI (Ra): 72.3
 R1: 68.4
 R2: 85.1
 R3: 93.5
 R4: 67.0
 R5: 68.7
 R6: 81.3
 R7: 74.8
 R8: 39.2
 R9: -34.8
 R10: 68.1
 R11: 63.0
 R12: 62.8
 R13: 71.7
 R14: 96.7
 R15: 59.2



Test Conditions

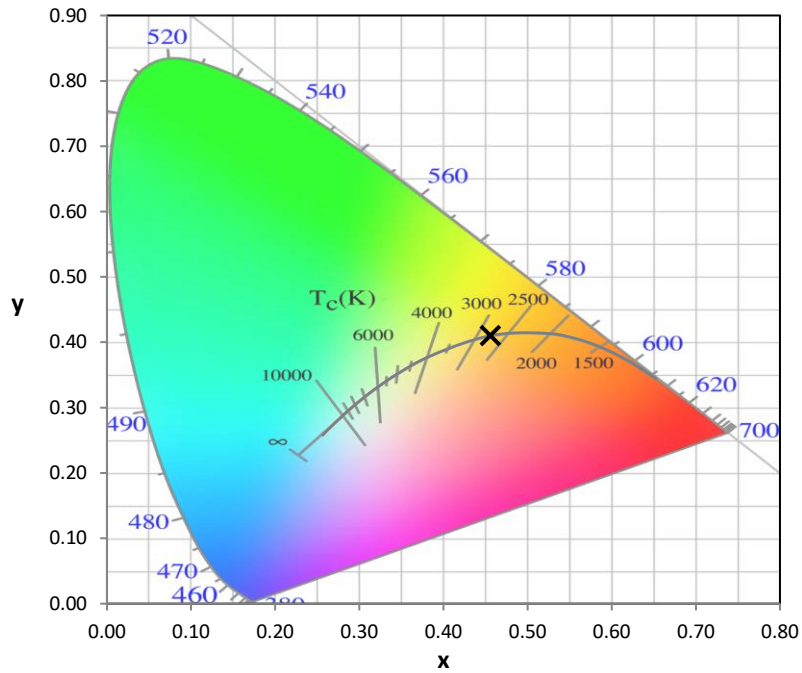
Stabilization Time: 66M
 Operation Time: 2H 6M
 Sphere Temperature (°C): 25.0

REPORT NUMBER: SP1-2501-336-3

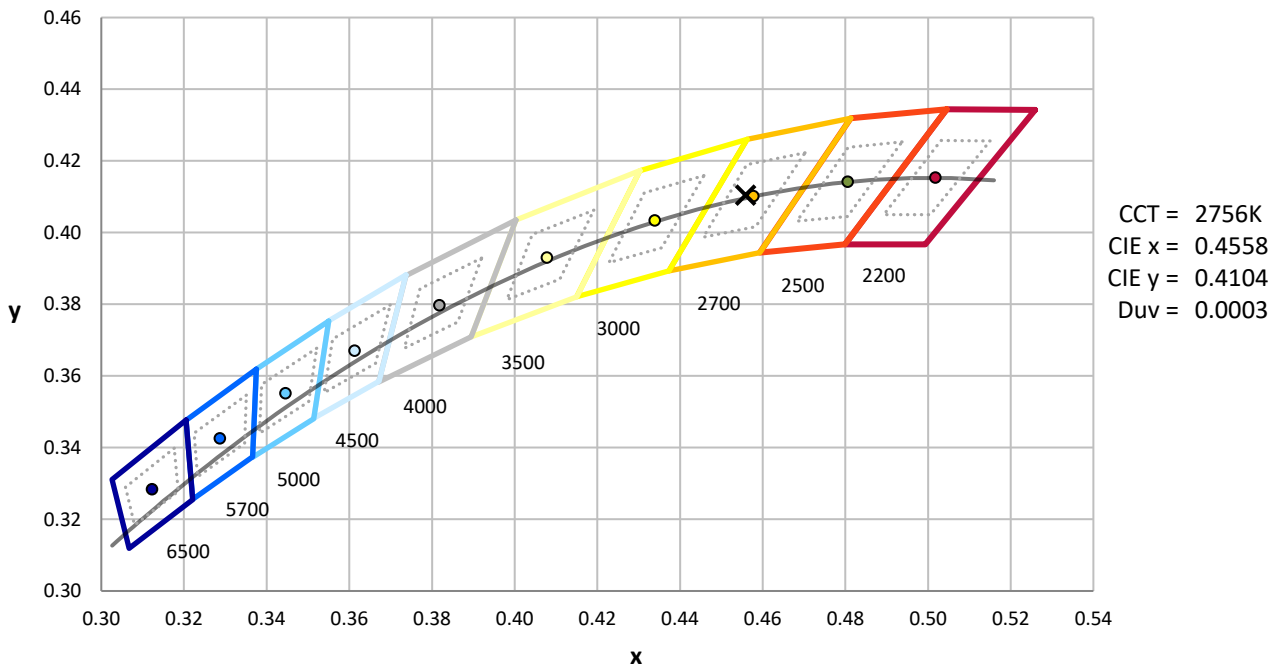
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	12/16/2024	6/16/2025
Power Meter	INXT2011004	1/21/2025	1/21/2026
AC Power Source	IN0063	10/22/2024	10/22/2025
DC Power Source	IN0208	10/22/2024	10/22/2025
Sphere Thermometer	IN0085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

REPORT NUMBER: SP1-2501-336-3

CIE 1931 Chromaticity Diagram

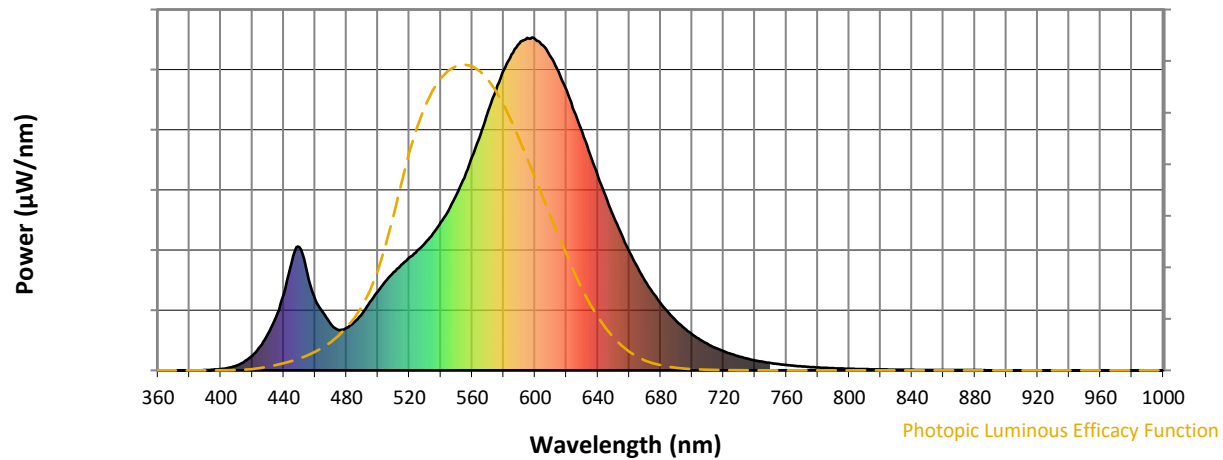


CIE 1931 Chromaticity Diagram with 2017 ANSI 7-Step and 4-Step Quadrangles



REPORT NUMBER: SP1-2501-336-3

Photopic Flux vs. Wavelength

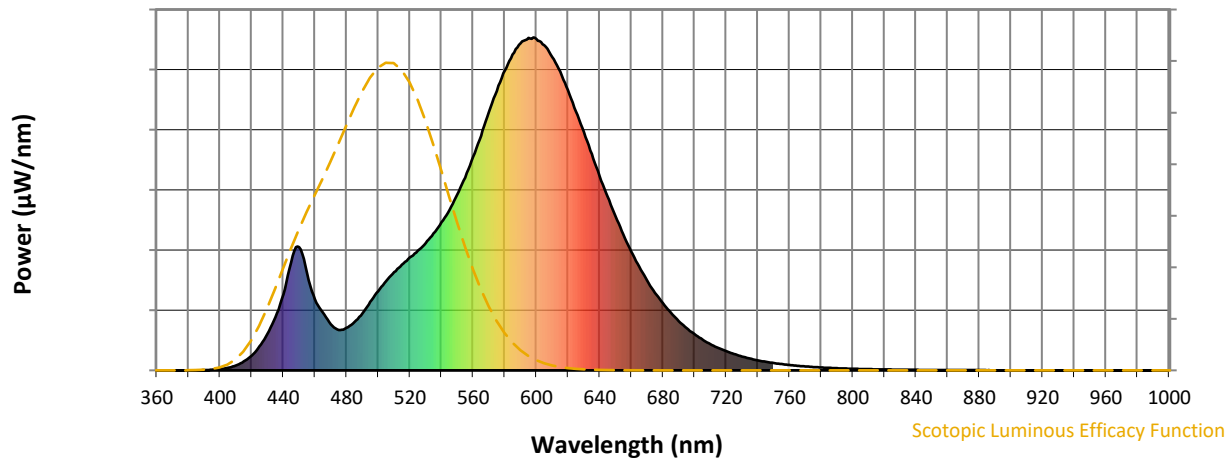


Photopic Lumens: NR

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	171	NR	620	842	NR	750	22	NR	880	1	NR
365	0	NR	495	205	NR	625	778	NR	755	19	NR	885	1	NR
370	0	NR	500	238	NR	630	716	NR	760	16	NR	890	0	NR
375	0	NR	505	268	NR	635	649	NR	765	14	NR	895	0	NR
380	0	NR	510	295	NR	640	583	NR	770	12	NR	900	0	NR
385	0	NR	515	317	NR	645	522	NR	775	10	NR	905	0	NR
390	1	NR	520	339	NR	650	463	NR	780	9	NR	910	0	NR
395	2	NR	525	359	NR	655	408	NR	785	8	NR	915	0	NR
400	4	NR	530	382	NR	660	356	NR	790	6	NR	920	0	NR
405	8	NR	535	411	NR	665	312	NR	795	5	NR	925	0	NR
410	15	NR	540	445	NR	670	269	NR	800	5	NR	930	0	NR
415	27	NR	545	482	NR	675	233	NR	805	4	NR	935	0	NR
420	44	NR	550	528	NR	680	202	NR	810	4	NR	940	0	NR
425	72	NR	555	578	NR	685	173	NR	815	3	NR	945	0	NR
430	110	NR	560	642	NR	690	148	NR	820	3	NR	950	0	NR
435	160	NR	565	704	NR	695	127	NR	825	2	NR	955	0	NR
440	228	NR	570	775	NR	700	108	NR	830	2	NR	960	0	NR
445	324	NR	575	839	NR	705	93	NR	835	2	NR	965	0	NR
450	370	NR	580	901	NR	710	79	NR	840	2	NR	970	0	NR
455	292	NR	585	948	NR	715	67	NR	845	1	NR	975	0	NR
460	214	NR	590	983	NR	720	57	NR	850	1	NR	980	0	NR
465	174	NR	595	998	NR	725	49	NR	855	1	NR	985	0	NR
470	139	NR	600	995	NR	730	42	NR	860	1	NR	990	0	NR
475	122	NR	605	976	NR	735	36	NR	865	1	NR	995	0	NR
480	128	NR	610	941	NR	740	30	NR	870	1	NR	1000	0	NR
485	145	NR	615	898	NR	745	26	NR	875	1	NR			

REPORT NUMBER: SP1-2501-336-3

Scotopic Flux vs. Wavelength



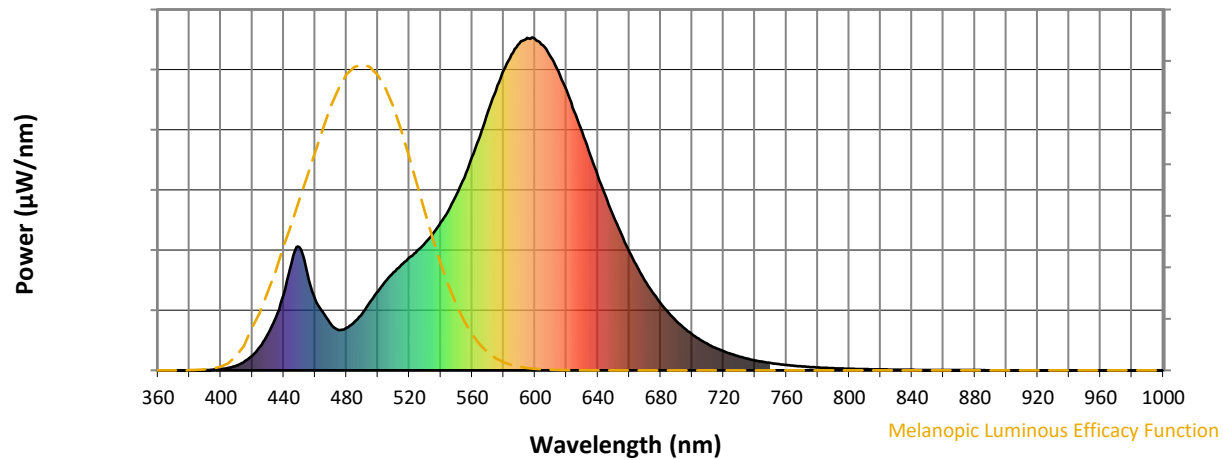
Scotopic Lumens: NR

S/P: 1.16

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	171	NR	620	842	NR	750	22	NR	880	1	NR
365	0	NR	495	205	NR	625	778	NR	755	19	NR	885	1	NR
370	0	NR	500	238	NR	630	716	NR	760	16	NR	890	0	NR
375	0	NR	505	268	NR	635	649	NR	765	14	NR	895	0	NR
380	0	NR	510	295	NR	640	583	NR	770	12	NR	900	0	NR
385	0	NR	515	317	NR	645	522	NR	775	10	NR	905	0	NR
390	1	NR	520	339	NR	650	463	NR	780	9	NR	910	0	NR
395	2	NR	525	359	NR	655	408	NR	785	8	NR	915	0	NR
400	4	NR	530	382	NR	660	356	NR	790	6	NR	920	0	NR
405	8	NR	535	411	NR	665	312	NR	795	5	NR	925	0	NR
410	15	NR	540	445	NR	670	269	NR	800	5	NR	930	0	NR
415	27	NR	545	482	NR	675	233	NR	805	4	NR	935	0	NR
420	44	NR	550	528	NR	680	202	NR	810	4	NR	940	0	NR
425	72	NR	555	578	NR	685	173	NR	815	3	NR	945	0	NR
430	110	NR	560	642	NR	690	148	NR	820	3	NR	950	0	NR
435	160	NR	565	704	NR	695	127	NR	825	2	NR	955	0	NR
440	228	NR	570	775	NR	700	108	NR	830	2	NR	960	0	NR
445	324	NR	575	839	NR	705	93	NR	835	2	NR	965	0	NR
450	370	NR	580	901	NR	710	79	NR	840	2	NR	970	0	NR
455	292	NR	585	948	NR	715	67	NR	845	1	NR	975	0	NR
460	214	NR	590	983	NR	720	57	NR	850	1	NR	980	0	NR
465	174	NR	595	998	NR	725	49	NR	855	1	NR	985	0	NR
470	139	NR	600	995	NR	730	42	NR	860	1	NR	990	0	NR
475	122	NR	605	976	NR	735	36	NR	865	1	NR	995	0	NR
480	128	NR	610	941	NR	740	30	NR	870	1	NR	1000	0	NR
485	145	NR	615	898	NR	745	26	NR	875	1	NR			

REPORT NUMBER: SP1-2501-336-3

Melanopic Flux vs. Wavelength



Melanopic Lumens: NR

M/P: 2.12

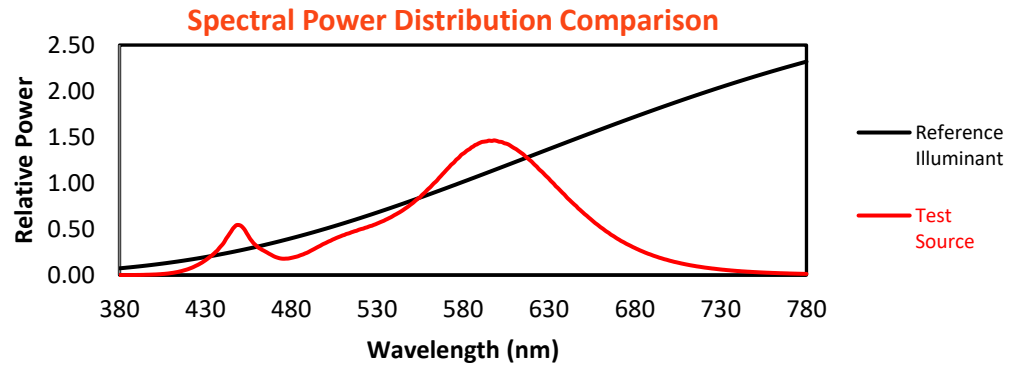
λ (nm)	Power W ^λ /nm	Lumens (φ/nm)	λ (nm)	Power W ^λ /nm	Lumens (φ/nm)	λ (nm)	Power W ^λ /nm	Lumens (φ/nm)	λ (nm)	Power W ^λ /nm	Lumens (φ/nm)	λ (nm)	Power W ^λ /nm	Lumens (φ/nm)
360	0	NR	490	171	NR	620	842	NR	750	22	NR	880	1	NR
365	0	NR	495	205	NR	625	778	NR	755	19	NR	885	1	NR
370	0	NR	500	238	NR	630	716	NR	760	16	NR	890	0	NR
375	0	NR	505	268	NR	635	649	NR	765	14	NR	895	0	NR
380	0	NR	510	295	NR	640	583	NR	770	12	NR	900	0	NR
385	0	NR	515	317	NR	645	522	NR	775	10	NR	905	0	NR
390	1	NR	520	339	NR	650	463	NR	780	9	NR	910	0	NR
395	2	NR	525	359	NR	655	408	NR	785	8	NR	915	0	NR
400	4	NR	530	382	NR	660	356	NR	790	6	NR	920	0	NR
405	8	NR	535	411	NR	665	312	NR	795	5	NR	925	0	NR
410	15	NR	540	445	NR	670	269	NR	800	5	NR	930	0	NR
415	27	NR	545	482	NR	675	233	NR	805	4	NR	935	0	NR
420	44	NR	550	528	NR	680	202	NR	810	4	NR	940	0	NR
425	72	NR	555	578	NR	685	173	NR	815	3	NR	945	0	NR
430	110	NR	560	642	NR	690	148	NR	820	3	NR	950	0	NR
435	160	NR	565	704	NR	695	127	NR	825	2	NR	955	0	NR
440	228	NR	570	775	NR	700	108	NR	830	2	NR	960	0	NR
445	324	NR	575	839	NR	705	93	NR	835	2	NR	965	0	NR
450	370	NR	580	901	NR	710	79	NR	840	2	NR	970	0	NR
455	292	NR	585	948	NR	715	67	NR	845	1	NR	975	0	NR
460	214	NR	590	983	NR	720	57	NR	850	1	NR	980	0	NR
465	174	NR	595	998	NR	725	49	NR	855	1	NR	985	0	NR
470	139	NR	600	995	NR	730	42	NR	860	1	NR	990	0	NR
475	122	NR	605	976	NR	735	36	NR	865	1	NR	995	0	NR
480	128	NR	610	941	NR	740	30	NR	870	1	NR	1000	0	NR
485	145	NR	615	898	NR	745	26	NR	875	1	NR			

REPORT NUMBER: SP1-2501-336-3

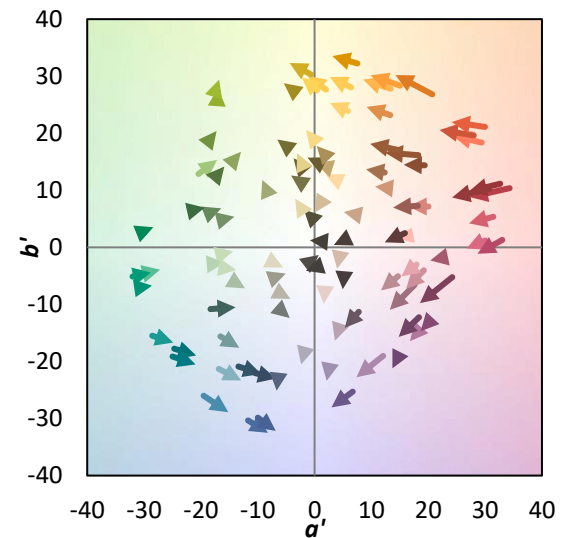
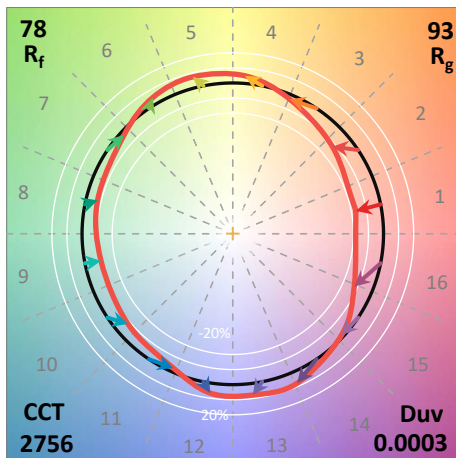
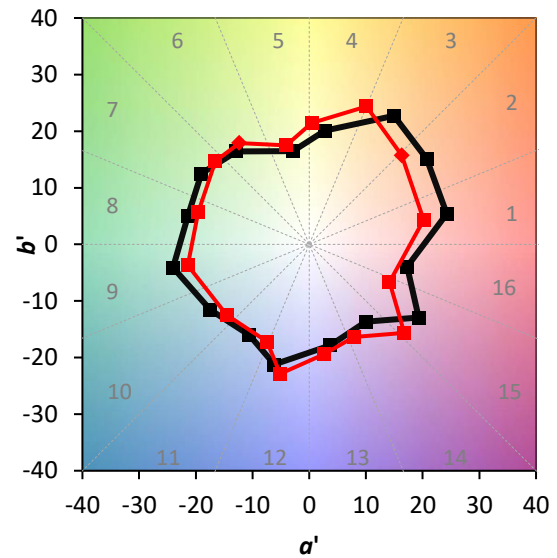
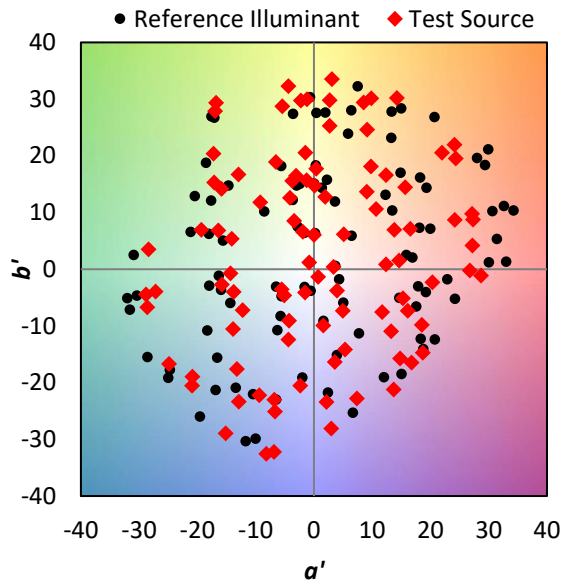
TM-30-18

Summary

$R_f = 77.6$
 $R_g = 92.8$
 $CIE R_a = 72.3$
 $R_g = -34.8$

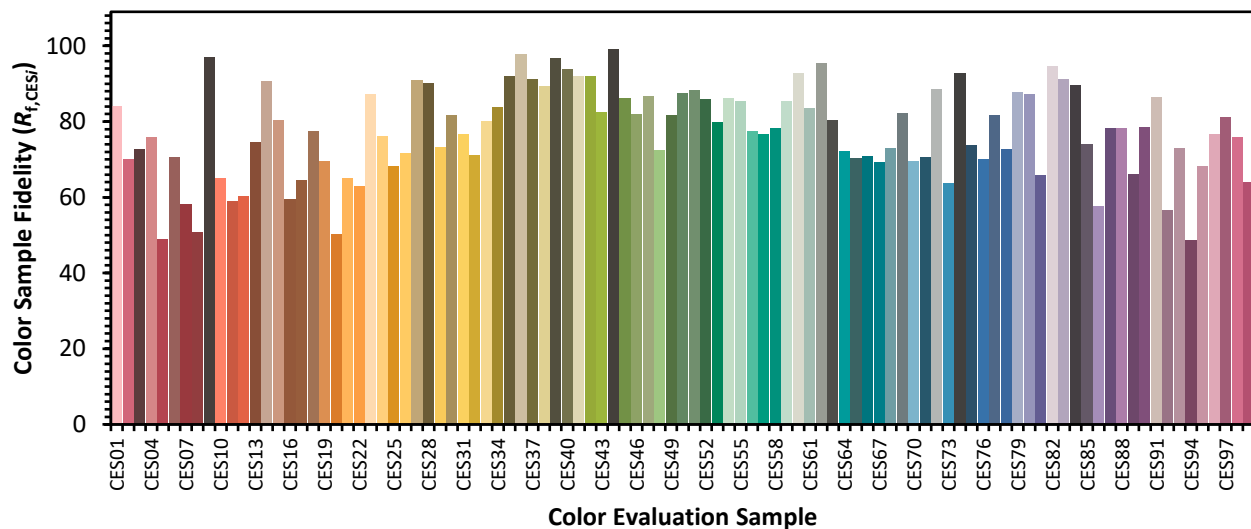


Color Vector Graphics

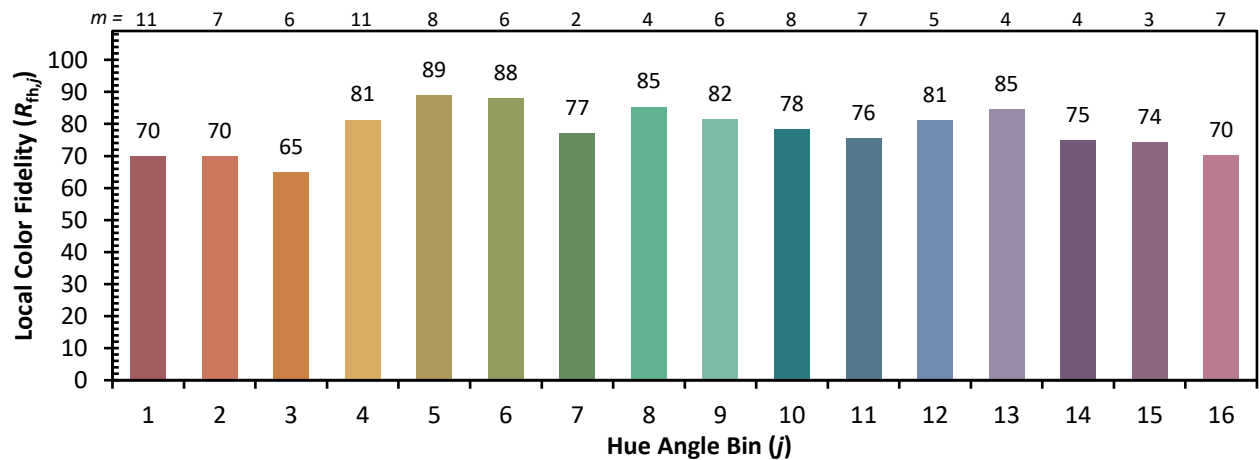
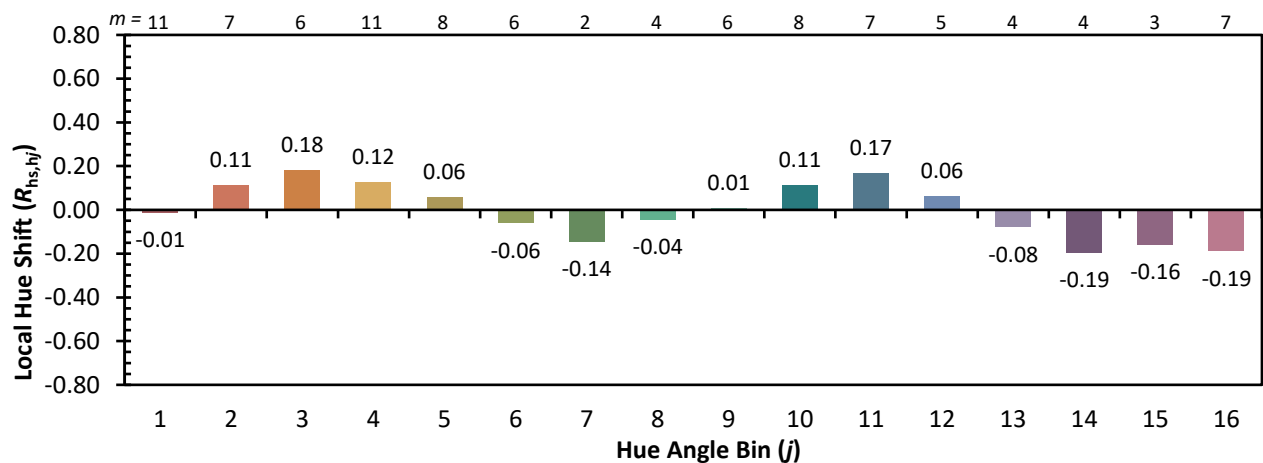
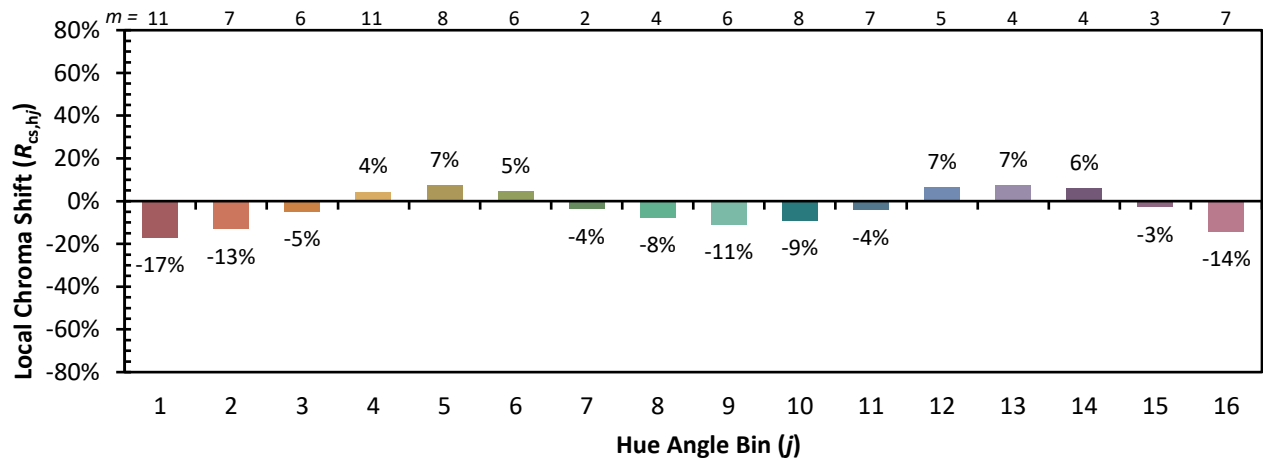


Individual Sample Fidelity Index ($R_{f,i}$)

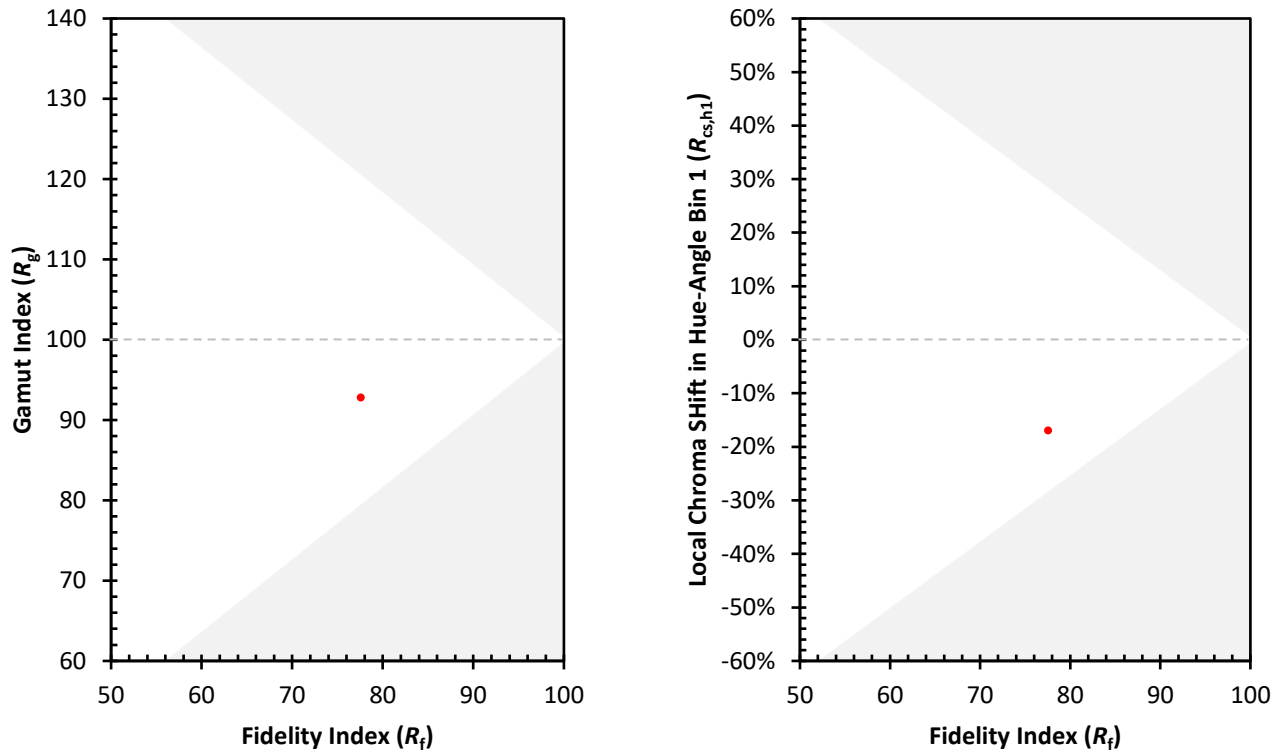
CES01 = 86	CES26 = 72	CES51 = 88	CES76 = 70
CES02 = 63	CES27 = 91	CES52 = 86	CES77 = 82
CES03 = 31	CES28 = 90	CES53 = 80	CES78 = 73
CES04 = 71	CES29 = 73	CES54 = 86	CES79 = 88
CES05 = 50	CES30 = 82	CES55 = 85	CES80 = 87
CES06 = 52	CES31 = 77	CES56 = 77	CES81 = 66
CES07 = 42	CES32 = 71	CES57 = 77	CES82 = 95
CES08 = 41	CES33 = 80	CES58 = 78	CES83 = 91
CES09 = 29	CES34 = 84	CES59 = 85	CES84 = 90
CES10 = 77	CES35 = 92	CES60 = 93	CES85 = 74
CES11 = 60	CES36 = 98	CES61 = 83	CES86 = 58
CES12 = 66	CES37 = 91	CES62 = 95	CES87 = 78
CES13 = 43	CES38 = 89	CES63 = 81	CES88 = 78
CES14 = 74	CES39 = 97	CES64 = 72	CES89 = 66
CES15 = 72	CES40 = 94	CES65 = 70	CES90 = 79
CES16 = 48	CES41 = 92	CES66 = 71	CES91 = 86
CES17 = 50	CES42 = 92	CES67 = 69	CES92 = 57
CES18 = 57	CES43 = 83	CES68 = 73	CES93 = 73
CES19 = 73	CES44 = 99	CES69 = 82	CES94 = 49
CES20 = 67	CES45 = 86	CES70 = 70	CES95 = 68
CES21 = 87	CES46 = 82	CES71 = 71	CES96 = 77
CES22 = 80	CES47 = 87	CES72 = 89	CES97 = 81
CES23 = 92	CES48 = 72	CES73 = 64	CES98 = 76
CES24 = 91	CES49 = 82	CES74 = 93	CES99 = 64
CES25 = 73	CES50 = 87	CES75 = 74	



Color Rendition by Hue-Angle Bin



Measure Comparisons



(END OF REPORT)