

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: P980839

Luminaire Tested: **UFLD-CA2-200-750-U-66**

Issue Date: 04/10/2025



Test Information

Test Method: LM-79-08
Report Number: P980839
Test Lab: INNOVATION CENTER(G2)
Issue Date: 04/10/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: UFLD-CA2-200-750-U-66
Description: UTILITY FLOOD MEDIUM SIZE 200W 70CRI 5000K LED FIXTURE NEMA 6
Light Source: (2) 5000K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

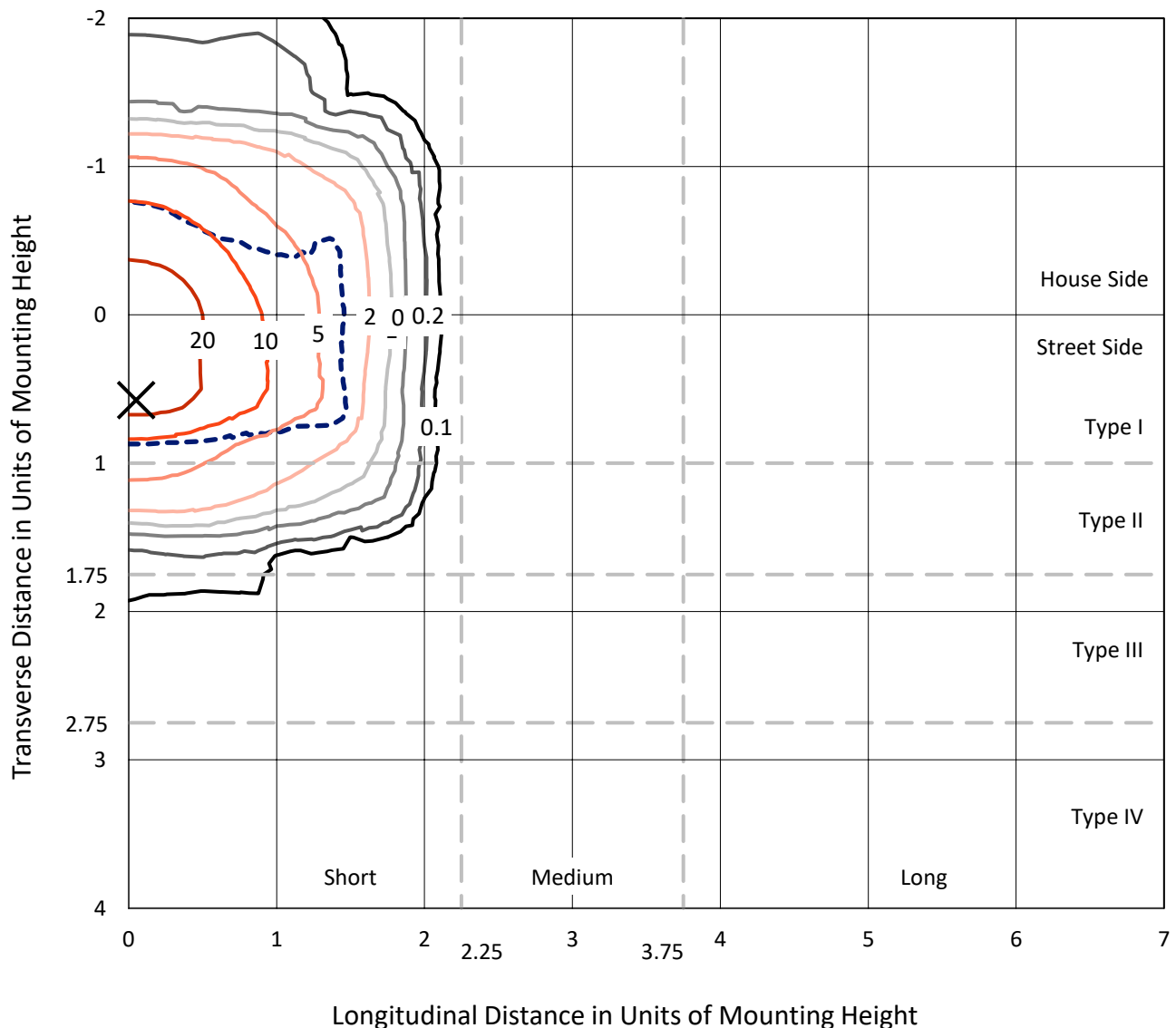
Lumens per Lamp: N/A
Luminaire Lumens: 29169.4 lumens
Efficiency: N/A
Efficacy: 148.1 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.31' x H: 0')
IES Classification: Type I - Short
BUG Rating: B4 - U0 - G2

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: P980839
 CATALOG NUMBER: UFLD-CA2-200-750-U-66

Iso-Footcandle Lines of Horizontal Illumination

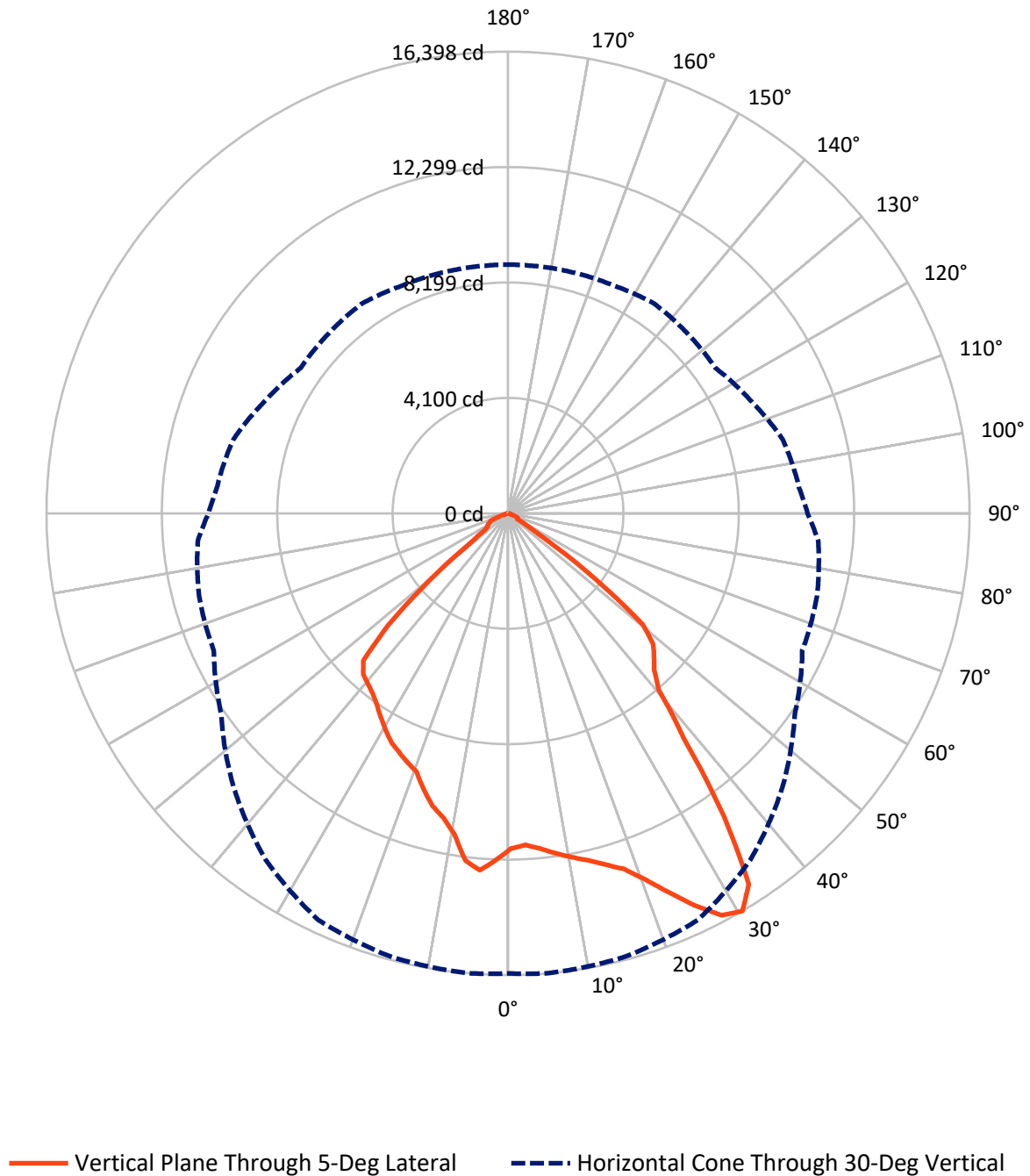
✕ Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 30.5 fc
 Type I - Short - N/A

REPORT NUMBER: P980839
CATALOG NUMBER: UFLD-CA2-200-750-U-66

Luminous Intensity Polar Plot



REPORT NUMBER: P980839

CATALOG NUMBER: UFLD-CA2-200-750-U-66

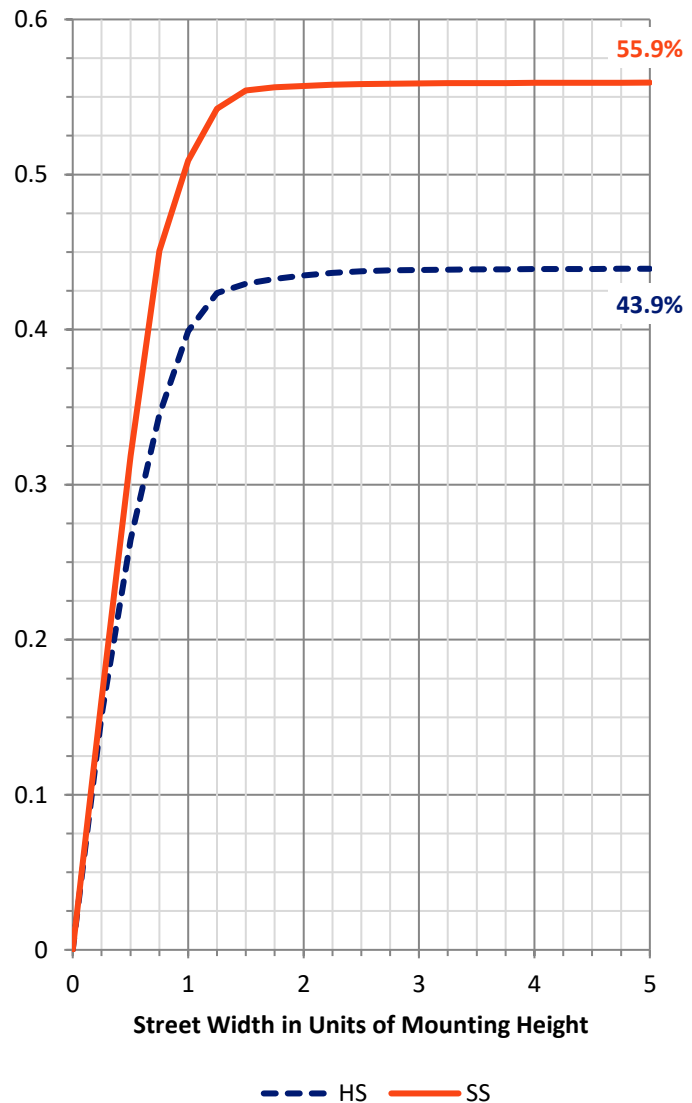
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	12901.3	0.0	12901.3
	% Fixture	44.2	0.0	44.2
Street Side	Lumens	16268.1	0.0	16268.1
	% Fixture	55.8	0.0	55.8
Total	Lumens	29169.4	0.0	29169.4
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1164.7	4.0
10°-20°	3373.9	11.6
20°-30°	5376.6	18.4
30°-40°	6721.6	23.0
40°-50°	6596.2	22.6
50°-60°	4715.8	16.2
60°-70°	1043.4	3.6
70°-80°	160.3	0.5
80°-90°	17.0	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°	29169.4	100.0
0°-180°	29169.4	100.0

Coefficient of Utilization



REPORT NUMBER: P980839

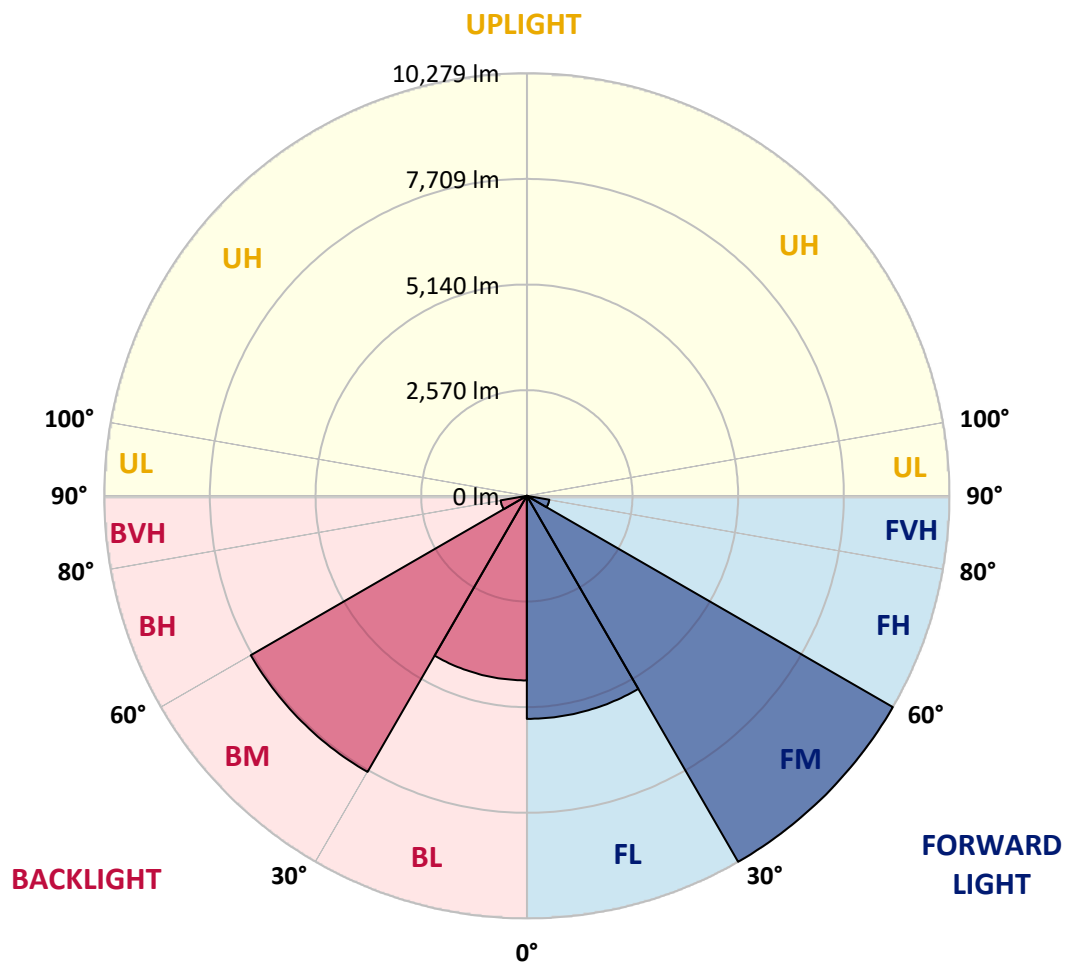
CATALOG NUMBER: UFLD-CA2-200-750-U-66

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	5425.2	18.6			
FM	(30°-60°)	10279.3	35.2			
FH	(60°-80°)	555.0	1.9			G0/660
FVH	(80°-90°)	8.6	0.0			G0/10
BL	(0°-30°)	4489.9	15.4	B4/5000		
BM	(30°-60°)	7754.3	26.6	B4/8500		
BH	(60°-80°)	648.7	2.2	B2/1000		G2/1000
BVH	(80°-90°)	8.4	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: P980839

CATALOG NUMBER: UFLD-CA2-200-750-U-66

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	11905.9	11905.9	11905.9	11905.9	11905.9	11905.9	11905.9	11905.9	11905.9	11905.9	11905.9
2.5°	11772.7	11791.7	11810.8	11839.3	11877.4	11896.4	11877.4	11858.3	11848.8	11867.9	11877.4
5°	11934.5	11963.0	11972.5	11991.6	12010.6	11991.6	11982.1	11963.0	11953.5	11963.0	11991.6
7.5°	12172.4	12191.4	12181.9	12172.4	12162.9	12096.3	12029.7	12001.1	12001.1	12029.7	12105.8
10°	12381.8	12419.9	12372.3	12334.2	12267.6	12162.9	12048.7	11982.1	12001.1	12058.2	12153.4
12.5°	12648.3	12648.3	12600.7	12562.6	12410.3	12286.6	12134.3	12029.7	12029.7	12134.3	12239.0
15°	12971.8	12943.3	12924.3	12819.6	12638.7	12438.9	12248.5	12096.3	12067.7	12229.5	12296.1
17.5°	13381.1	13276.4	13228.8	13048.0	12800.5	12543.6	12286.6	12162.9	12077.2	12248.5	12172.4
20°	13942.6	13866.5	13714.2	13428.7	12924.3	12591.2	12286.6	12124.8	12058.2	12153.4	12077.2
22.5°	14665.9	14618.3	14275.7	13914.0	13247.8	12629.2	12239.0	12020.1	12001.1	11953.5	11791.7
25°	15551.0	15427.3	15075.1	14561.2	13733.2	13000.4	12229.5	11829.8	11763.2	11639.4	11353.9
27.5°	16302.8	16169.6	15741.3	15284.5	14399.4	13552.4	12305.6	11601.4	11525.2	11439.6	11087.5
30°	16340.9	16398.0	16283.8	15941.2	15018.0	13780.8	12438.9	11534.8	11363.5	11058.9	10640.2
32.5°	15570.0	15703.3	15979.3	16103.0	15484.4	14056.8	12553.1	11563.3	11249.2	10516.4	10173.8
35°	12933.8	13200.3	14332.8	15398.7	15617.6	14456.5	12648.3	11563.3	11211.2	10126.2	9859.7
37.5°	9935.9	10154.8	11116.0	13048.0	15027.5	14704.0	12857.6	11496.7	11163.6	10154.8	9793.1
40°	8118.1	8241.8	8660.6	9974.0	12952.8	14294.7	13067.0	11572.8	11020.8	10173.8	9831.2
42.5°	7623.2	7613.7	7528.0	8013.4	9878.8	13095.6	13209.8	11763.2	10782.9	10050.1	9764.6
45°	7290.1	7271.1	7194.9	7290.1	7813.6	10716.3	13105.1	12105.8	10487.9	9612.3	9422.0
47.5°	6928.5	6938.0	6909.4	6947.5	6852.3	8137.1	12515.0	12248.5	9983.5	8879.5	8812.9
50°	6062.4	6205.2	6585.9	6623.9	6376.5	6566.8	10716.3	12181.9	9621.8	8670.1	8613.0
52.5°	3768.8	3997.2	5120.2	6071.9	5929.2	5929.2	8175.2	12277.1	8974.7	8594.0	8632.0
55°	1332.4	1503.7	2740.9	4178.0	5310.6	5415.2	6462.1	10925.7	8898.5	8727.2	8765.3
57.5°	333.1	409.2	837.5	1808.3	3578.4	4910.8	5776.9	9022.2	6757.2	6519.2	6614.4
60°	390.2	380.7	523.4	580.5	1389.5	3883.0	5205.9	6091.0	4358.8	4082.8	4130.4
62.5°	418.8	390.2	409.2	513.9	228.4	1903.4	4149.5	3626.0	1798.7	1332.4	1408.5
65°	371.2	352.1	323.6	475.9	161.8	352.1	2445.9	1065.9	257.0	409.2	371.2
67.5°	247.4	257.0	266.5	380.7	152.3	152.3	323.6	266.5	180.8	371.2	323.6
70°	142.8	152.3	180.8	228.4	152.3	123.7	142.8	218.9	152.3	371.2	323.6
72.5°	85.7	85.7	85.7	95.2	152.3	104.7	95.2	180.8	133.2	342.6	323.6
75°	66.6	66.6	66.6	57.1	133.2	66.6	66.6	142.8	114.2	247.4	247.4
77.5°	57.1	57.1	57.1	47.6	76.1	57.1	57.1	104.7	104.7	123.7	142.8
80°	38.1	38.1	38.1	38.1	47.6	47.6	38.1	57.1	47.6	57.1	66.6
82.5°	19.0	28.6	28.6	19.0	28.6	28.6	28.6	38.1	28.6	38.1	38.1
85°	9.5	9.5	9.5	9.5	9.5	9.5	9.5	19.0	9.5	9.5	19.0
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: P980839

CATALOG NUMBER: UFLD-CA2-200-750-U-66

CANDELA DISTRIBUTION (continued):

	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	11905.9	11905.9	11905.9	11905.9	11905.9	11905.9	11905.9	11905.9	11905.9	11905.9
2.5°	11896.4	11944.0	12010.6	12115.3	12153.4	12220.0	12277.1	12324.7	12324.7	12305.6
5°	12048.7	12181.9	12362.8	12524.5	12581.6	12648.3	12676.8	12724.4	12714.9	12705.4
7.5°	12181.9	12391.3	12581.6	12695.8	12676.8	12591.2	12534.1	12457.9	12429.4	12448.4
10°	12286.6	12477.0	12562.6	12486.5	12258.1	12058.2	11801.2	11629.9	11544.3	11572.8
12.5°	12324.7	12391.3	12315.2	11896.4	11610.9	11420.6	11211.2	11097.0	11049.4	11058.9
15°	12334.2	12181.9	11763.2	11449.1	11239.7	11001.8	10830.5	10725.8	10725.8	10735.3
17.5°	12134.3	11763.2	11401.5	11163.6	10868.6	10621.1	10525.9	10487.9	10249.9	10288.0
20°	11953.5	11420.6	11220.7	10849.5	10497.4	10335.6	9783.6	9726.5	9736.0	9745.5
22.5°	11572.8	11173.1	10992.3	10506.9	10107.2	9659.9	9583.7	9526.6	9536.2	9536.2
25°	11049.4	10821.0	10573.5	10069.1	9583.7	9498.1	9441.0	9364.9	9326.8	9336.3
27.5°	10754.4	10468.8	10012.0	9583.7	9269.7	9307.8	9241.1	9126.9	9126.9	9136.4
30°	10383.2	10107.2	9498.1	8993.7	9022.2	9079.3	8917.5	8860.4	8831.9	8831.9
32.5°	9926.4	9545.7	9012.7	8536.9	8708.2	8689.1	8489.3	8508.3	8527.3	8508.3
35°	9583.7	9088.9	8641.6	8384.6	8318.0	8241.8	8137.1	8203.8	8232.3	8213.3
37.5°	9498.1	8908.0	8441.7	8260.9	8003.9	7861.1	7889.7	7956.3	7994.4	7984.9
40°	9469.5	8727.2	8270.4	8080.0	7737.4	7613.7	7651.8	7785.0	7832.6	7823.1
42.5°	9431.5	8603.5	8165.7	7937.3	7461.4	7375.8	7556.6	7680.3	7689.8	7680.3
45°	9231.6	8470.2	8099.1	7642.3	7042.7	7147.4	7375.8	7442.4	7328.2	7280.6
47.5°	8765.3	8222.8	7899.2	7280.6	6700.1	6899.9	6928.5	6205.2	5786.4	5691.2
50°	8632.0	8232.3	7670.8	6852.3	6490.7	6690.5	5443.8	4159.0	3635.5	3530.9
52.5°	8594.0	8137.1	7756.5	6405.0	6414.5	5643.7	3435.7	2036.7	1636.9	1560.8
55°	8689.1	8555.9	7899.2	6138.5	5967.2	3673.6	1598.9	961.2	989.8	961.2
57.5°	6557.3	7156.9	8070.5	5719.8	4358.8	1770.2	1008.8	932.7	866.1	847.0
60°	4092.4	4663.4	5910.1	4920.4	2236.5	1056.4	1027.8	866.1	837.5	828.0
62.5°	1351.4	2074.7	3388.1	3235.8	618.6	1046.9	1037.4	770.9	770.9	770.9
65°	342.6	352.1	932.7	1113.5	456.8	932.7	989.8	723.3	704.3	732.8
67.5°	295.0	266.5	494.9	437.8	380.7	647.2	866.1	694.8	656.7	656.7
70°	295.0	314.1	485.4	409.2	237.9	352.1	628.1	428.3	380.7	352.1
72.5°	276.0	304.5	428.3	371.2	161.8	171.3	276.0	142.8	133.2	114.2
75°	237.9	247.4	333.1	333.1	171.3	85.7	114.2	95.2	95.2	85.7
77.5°	161.8	123.7	190.3	237.9	123.7	57.1	47.6	47.6	47.6	38.1
80°	85.7	47.6	47.6	38.1	47.6	47.6	28.6	38.1	38.1	28.6
82.5°	47.6	28.6	28.6	19.0	19.0	28.6	19.0	19.0	19.0	19.0
85°	19.0	19.0	9.5	9.5	9.5	19.0	9.5	9.5	9.5	9.5
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	9.5	9.5
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: SP1-2501-336-6

Test Date: 04/12/2025

Luminaire Tested: UFLD-L-CA4-390-750-U-66

Data in this report applies to families of products including UFLD-L-CA4-390-750-U-66

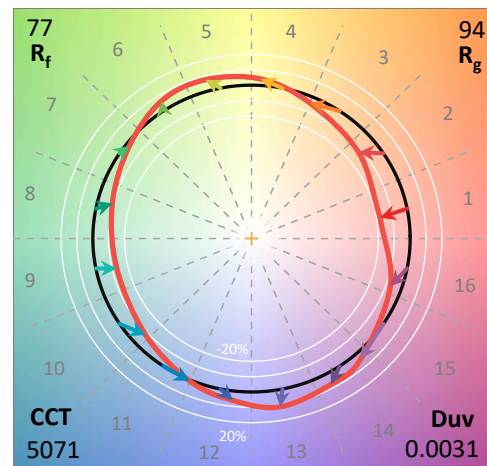
Test Information

Test Method: LM-79-2019
 Report Number: SP1-2501-336-6
 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-CA4-390-750-U-66**
 Description: UTILITY FLOOD 390W NEMA6

Spectral Parameters

CCT (K): 5071
 CIE u' : 0.2085
 CIE v' : 0.4869
 Duv: 0.0031
 CIE x: 0.3436
 CIE y: 0.3566
 CIE z: 0.2998
 Peak Wavelength (nm): 448
 Dominant Wavelength (nm): 568
 Purity: 10.1083
 R_f: 77.1
 R_g: 93.6

CRI (Ra): 74.5
 R1: 70.5
 R2: 80.9
 R3: 89.3
 R4: 73.9
 R5: 72.7
 R6: 74.5
 R7: 81.1
 R8: 53.3
 R9: -36.5
 R10: 55.9
 R11: 71.7
 R12: 55.3
 R13: 72.5
 R14: 94.2
 R15: 62.3



Test Conditions

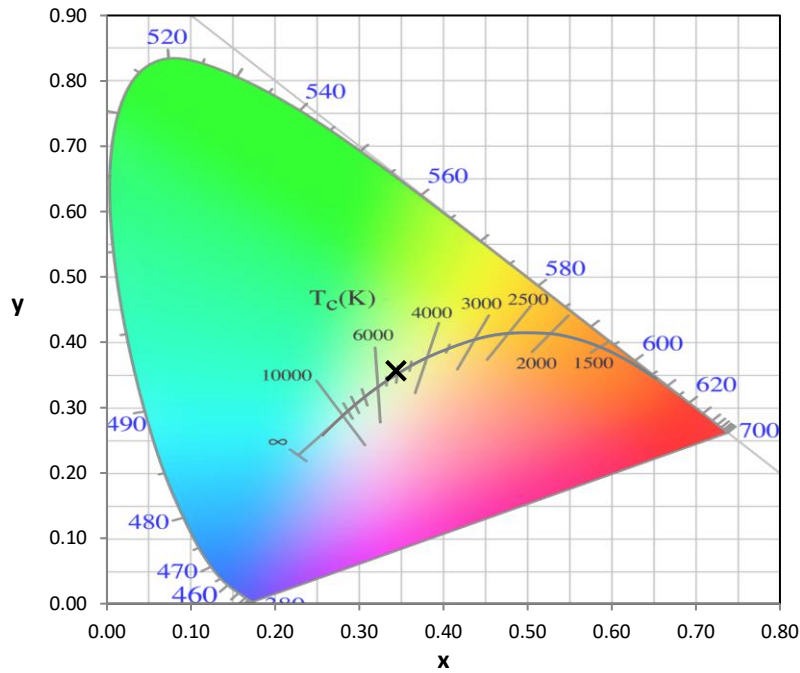
Stabilization Time: 50M
 Operation Time: 1H 50M
 Sphere Temperature (°C): 25.1

REPORT NUMBER: SP1-2501-336-6

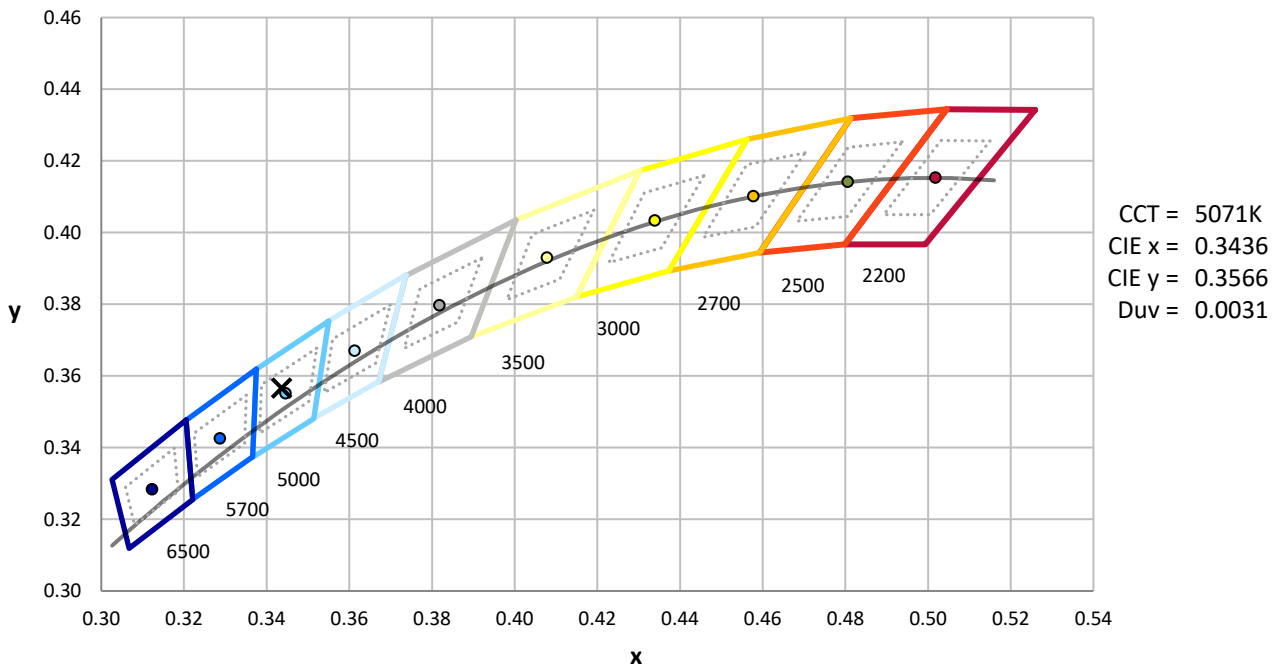
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	12/16/2024	6/16/2025
Power Meter	INXT2011004	1/21/2025	1/21/2026
AC Power Source	IN0063	10/22/2024	10/22/2025
DC Power Source	IN0208	10/22/2024	10/22/2025
Sphere Thermometer	IN0085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

REPORT NUMBER: SP1-2501-336-6

CIE 1931 Chromaticity Diagram



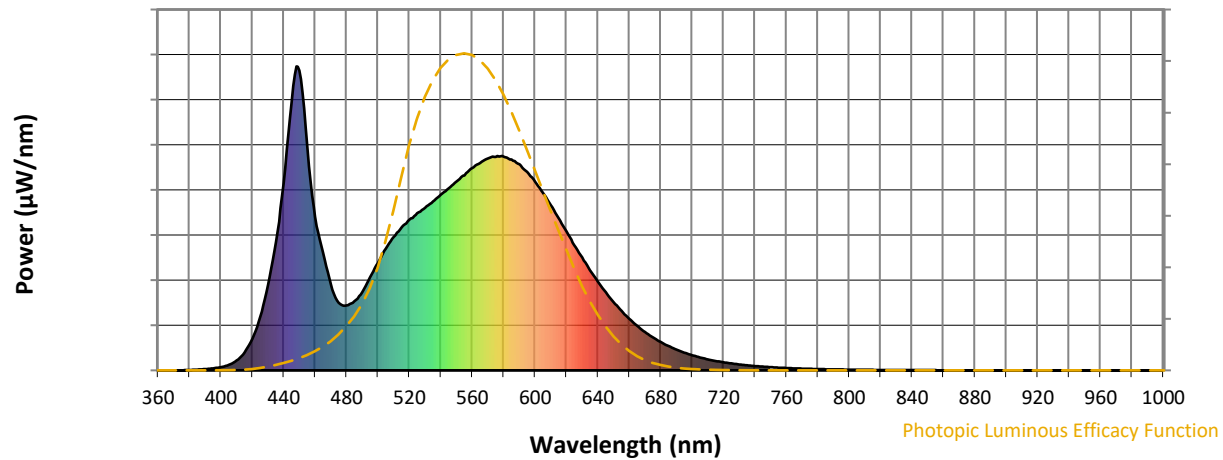
CIE 1931 Chromaticity Diagram with 2017 ANSI 7-Step and 4-Step Quadrangles



Point lies inside the ANSI 5000K 4-step quadrangle

REPORT NUMBER: SP1-2501-336-6

Photopic Flux vs. Wavelength

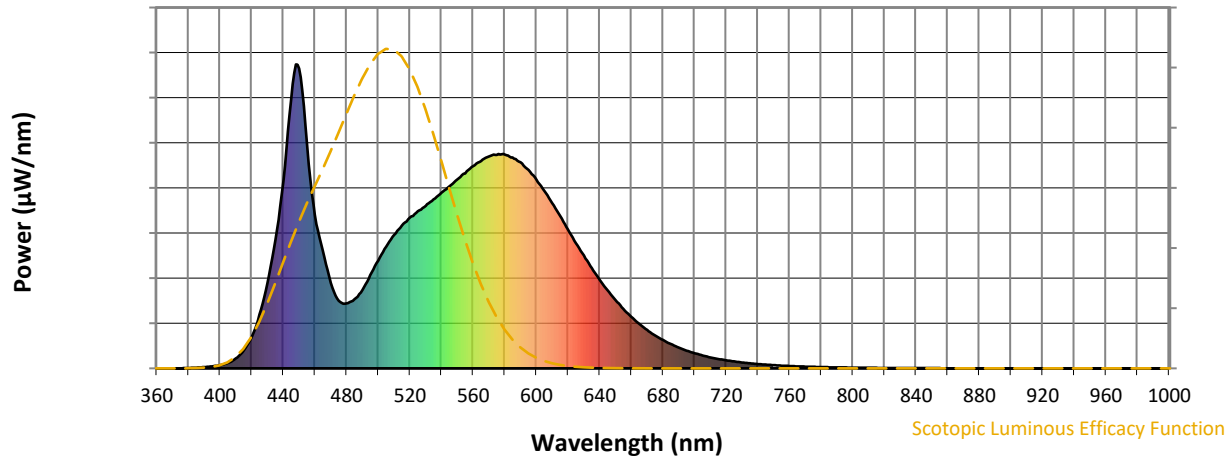


Photopic Lumens: NR

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	258	NR	620	457	NR	750	10	NR	880	0	NR
365	0	NR	495	306	NR	625	412	NR	755	9	NR	885	0	NR
370	0	NR	500	354	NR	630	372	NR	760	8	NR	890	0	NR
375	0	NR	505	400	NR	635	330	NR	765	7	NR	895	0	NR
380	1	NR	510	440	NR	640	292	NR	770	6	NR	900	0	NR
385	3	NR	515	470	NR	645	257	NR	775	5	NR	905	0	NR
390	4	NR	520	496	NR	650	224	NR	780	4	NR	910	0	NR
395	7	NR	525	517	NR	655	196	NR	785	4	NR	915	0	NR
400	11	NR	530	535	NR	660	169	NR	790	3	NR	920	0	NR
405	18	NR	535	556	NR	665	147	NR	795	3	NR	925	0	NR
410	33	NR	540	578	NR	670	126	NR	800	2	NR	930	0	NR
415	59	NR	545	599	NR	675	108	NR	805	2	NR	935	0	NR
420	103	NR	550	621	NR	680	94	NR	810	2	NR	940	0	NR
425	177	NR	555	642	NR	685	80	NR	815	2	NR	945	0	NR
430	281	NR	560	666	NR	690	68	NR	820	1	NR	950	0	NR
435	422	NR	565	682	NR	695	58	NR	825	1	NR	955	0	NR
440	616	NR	570	697	NR	700	50	NR	830	1	NR	960	0	NR
445	884	NR	575	702	NR	705	43	NR	835	1	NR	965	0	NR
450	987	NR	580	703	NR	710	36	NR	840	1	NR	970	0	NR
455	734	NR	585	693	NR	715	31	NR	845	1	NR	975	0	NR
460	506	NR	590	678	NR	720	27	NR	850	1	NR	980	0	NR
465	387	NR	595	652	NR	725	23	NR	855	1	NR	985	0	NR
470	282	NR	600	621	NR	730	19	NR	860	1	NR	990	0	NR
475	223	NR	605	584	NR	735	17	NR	865	0	NR	995	0	NR
480	214	NR	610	543	NR	740	14	NR	870	0	NR	1000	0	NR
485	228	NR	615	501	NR	745	12	NR	875	0	NR			

REPORT NUMBER: SP1-2501-336-6

Scotopic Flux vs. Wavelength



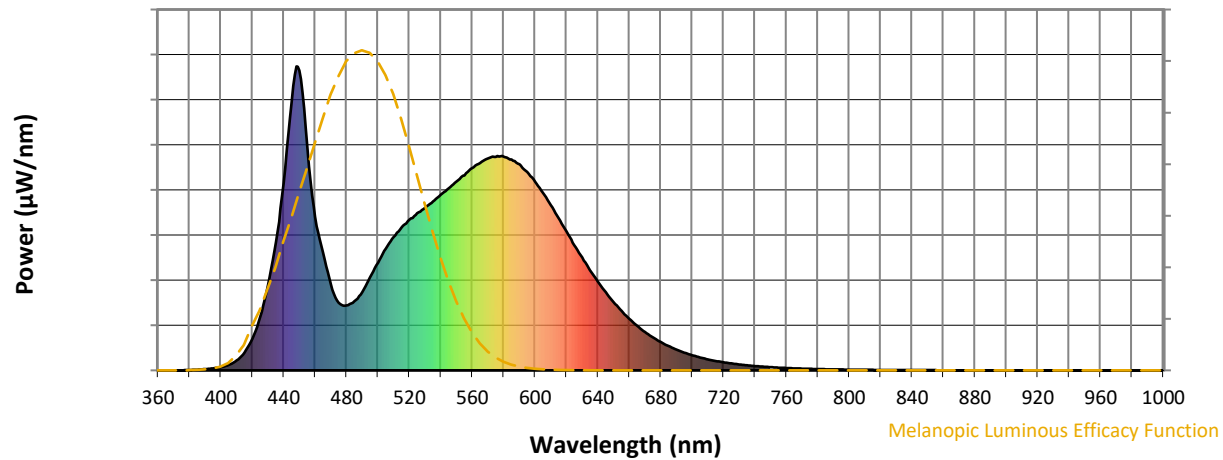
Scotopic Lumens: NR

S/P: 1.86

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	258	NR	620	457	NR	750	10	NR	880	0	NR
365	0	NR	495	306	NR	625	412	NR	755	9	NR	885	0	NR
370	0	NR	500	354	NR	630	372	NR	760	8	NR	890	0	NR
375	0	NR	505	400	NR	635	330	NR	765	7	NR	895	0	NR
380	1	NR	510	440	NR	640	292	NR	770	6	NR	900	0	NR
385	3	NR	515	470	NR	645	257	NR	775	5	NR	905	0	NR
390	4	NR	520	496	NR	650	224	NR	780	4	NR	910	0	NR
395	7	NR	525	517	NR	655	196	NR	785	4	NR	915	0	NR
400	11	NR	530	535	NR	660	169	NR	790	3	NR	920	0	NR
405	18	NR	535	556	NR	665	147	NR	795	3	NR	925	0	NR
410	33	NR	540	578	NR	670	126	NR	800	2	NR	930	0	NR
415	59	NR	545	599	NR	675	108	NR	805	2	NR	935	0	NR
420	103	NR	550	621	NR	680	94	NR	810	2	NR	940	0	NR
425	177	NR	555	642	NR	685	80	NR	815	2	NR	945	0	NR
430	281	NR	560	666	NR	690	68	NR	820	1	NR	950	0	NR
435	422	NR	565	682	NR	695	58	NR	825	1	NR	955	0	NR
440	616	NR	570	697	NR	700	50	NR	830	1	NR	960	0	NR
445	884	NR	575	702	NR	705	43	NR	835	1	NR	965	0	NR
450	987	NR	580	703	NR	710	36	NR	840	1	NR	970	0	NR
455	734	NR	585	693	NR	715	31	NR	845	1	NR	975	0	NR
460	506	NR	590	678	NR	720	27	NR	850	1	NR	980	0	NR
465	387	NR	595	652	NR	725	23	NR	855	1	NR	985	0	NR
470	282	NR	600	621	NR	730	19	NR	860	1	NR	990	0	NR
475	223	NR	605	584	NR	735	17	NR	865	0	NR	995	0	NR
480	214	NR	610	543	NR	740	14	NR	870	0	NR	1000	0	NR
485	228	NR	615	501	NR	745	12	NR	875	0	NR			

REPORT NUMBER: SP1-2501-336-6

Melanopic Flux vs. Wavelength



Melanopic Lumens: NR

M/P: 3.89

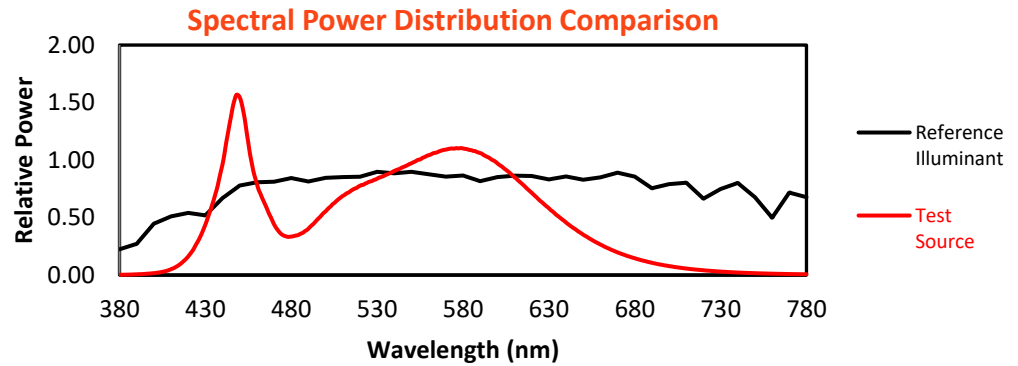
λ (nm)	Power $\text{W}^{\wedge}/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^{\wedge}/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^{\wedge}/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^{\wedge}/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^{\wedge}/\text{nm}$	Lumens (ϕ/nm)
360	0	NR	490	258	NR	620	457	NR	750	10	NR	880	0	NR
365	0	NR	495	306	NR	625	412	NR	755	9	NR	885	0	NR
370	0	NR	500	354	NR	630	372	NR	760	8	NR	890	0	NR
375	0	NR	505	400	NR	635	330	NR	765	7	NR	895	0	NR
380	1	NR	510	440	NR	640	292	NR	770	6	NR	900	0	NR
385	3	NR	515	470	NR	645	257	NR	775	5	NR	905	0	NR
390	4	NR	520	496	NR	650	224	NR	780	4	NR	910	0	NR
395	7	NR	525	517	NR	655	196	NR	785	4	NR	915	0	NR
400	11	NR	530	535	NR	660	169	NR	790	3	NR	920	0	NR
405	18	NR	535	556	NR	665	147	NR	795	3	NR	925	0	NR
410	33	NR	540	578	NR	670	126	NR	800	2	NR	930	0	NR
415	59	NR	545	599	NR	675	108	NR	805	2	NR	935	0	NR
420	103	NR	550	621	NR	680	94	NR	810	2	NR	940	0	NR
425	177	NR	555	642	NR	685	80	NR	815	2	NR	945	0	NR
430	281	NR	560	666	NR	690	68	NR	820	1	NR	950	0	NR
435	422	NR	565	682	NR	695	58	NR	825	1	NR	955	0	NR
440	616	NR	570	697	NR	700	50	NR	830	1	NR	960	0	NR
445	884	NR	575	702	NR	705	43	NR	835	1	NR	965	0	NR
450	987	NR	580	703	NR	710	36	NR	840	1	NR	970	0	NR
455	734	NR	585	693	NR	715	31	NR	845	1	NR	975	0	NR
460	506	NR	590	678	NR	720	27	NR	850	1	NR	980	0	NR
465	387	NR	595	652	NR	725	23	NR	855	1	NR	985	0	NR
470	282	NR	600	621	NR	730	19	NR	860	1	NR	990	0	NR
475	223	NR	605	584	NR	735	17	NR	865	0	NR	995	0	NR
480	214	NR	610	543	NR	740	14	NR	870	0	NR	1000	0	NR
485	228	NR	615	501	NR	745	12	NR	875	0	NR			

REPORT NUMBER: SP1-2501-336-6

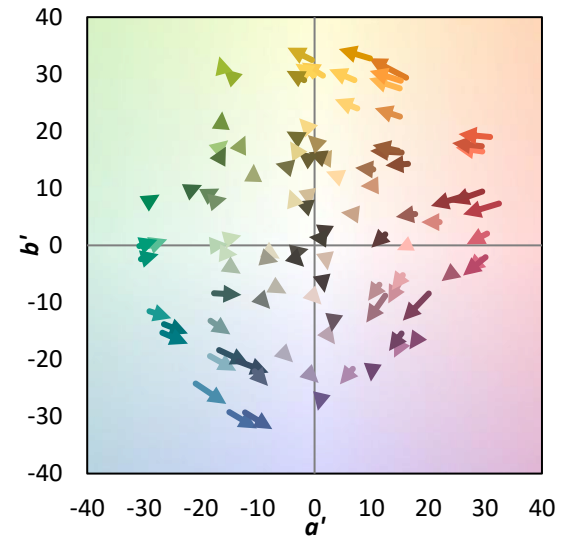
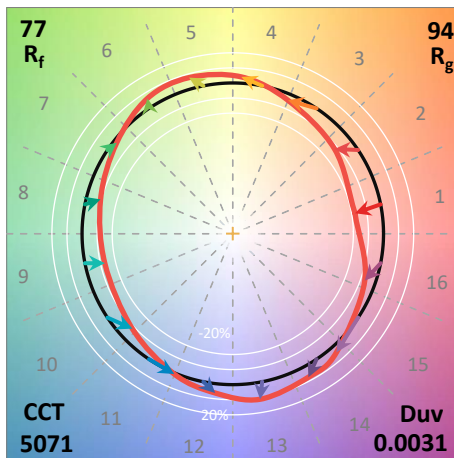
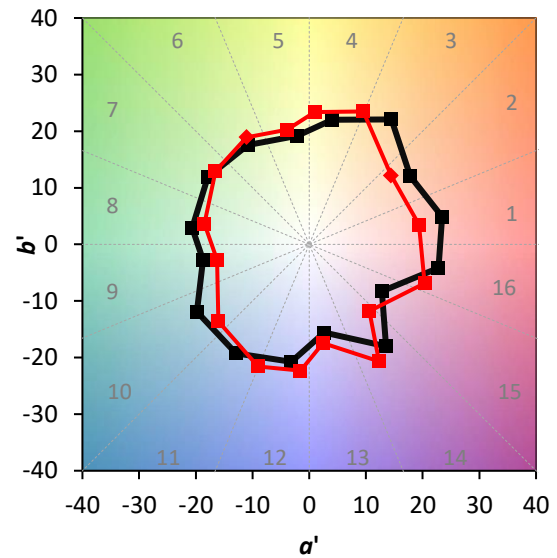
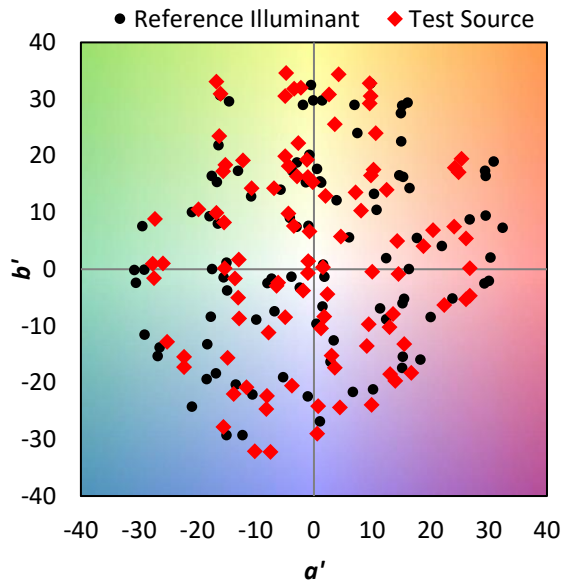
TM-30-18

Summary

$R_f = 77.1$
 $R_g = 93.6$
 $CIE R_a = 74.5$
 $R_g = -36.5$

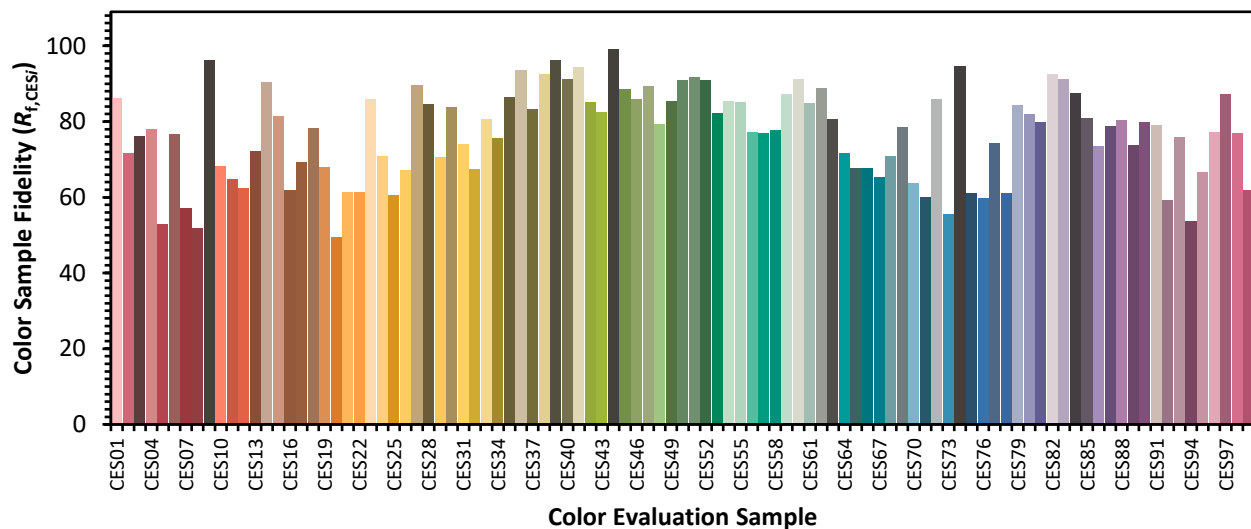


Color Vector Graphics

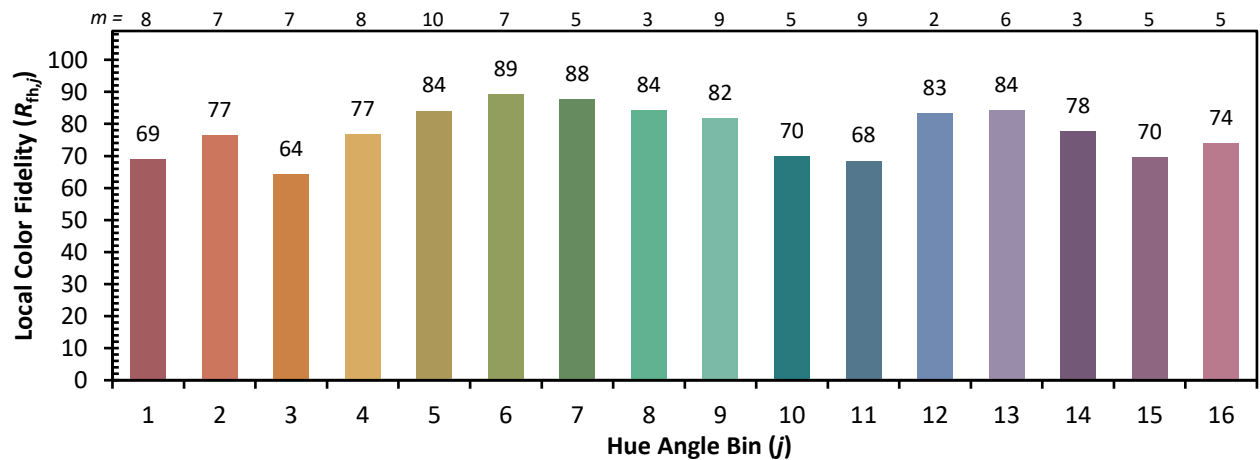
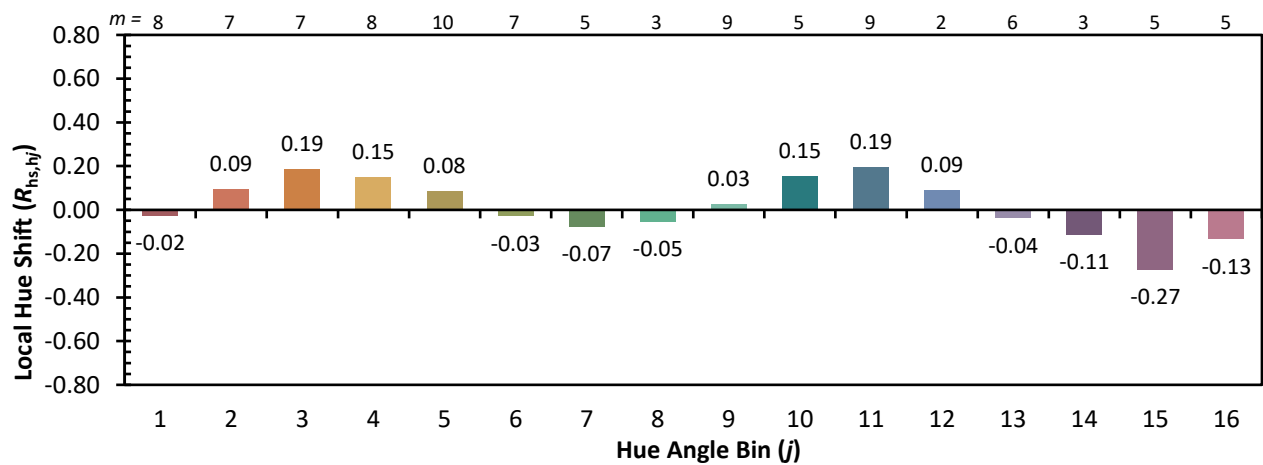
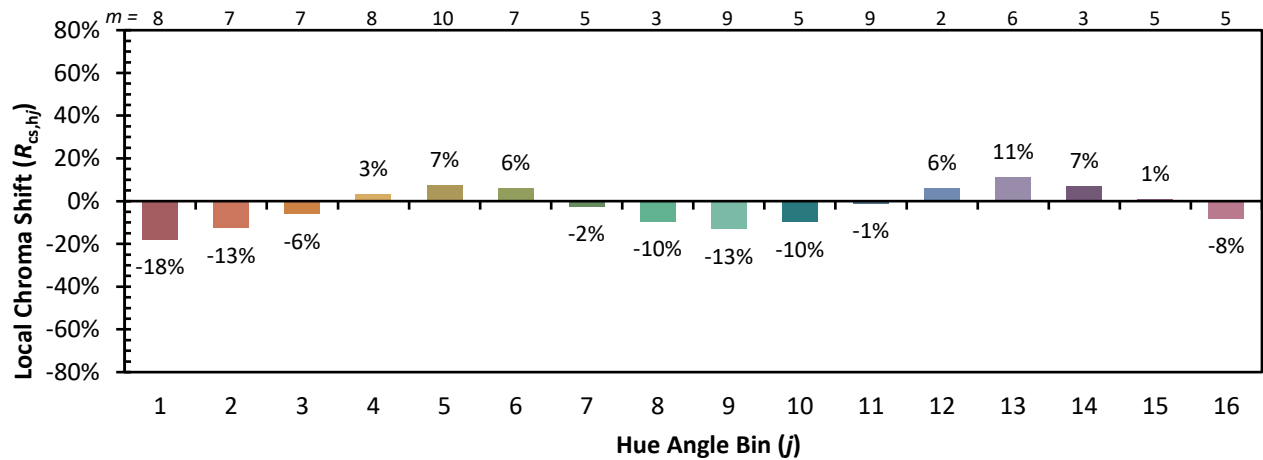


Individual Sample Fidelity Index ($R_{f,i}$)

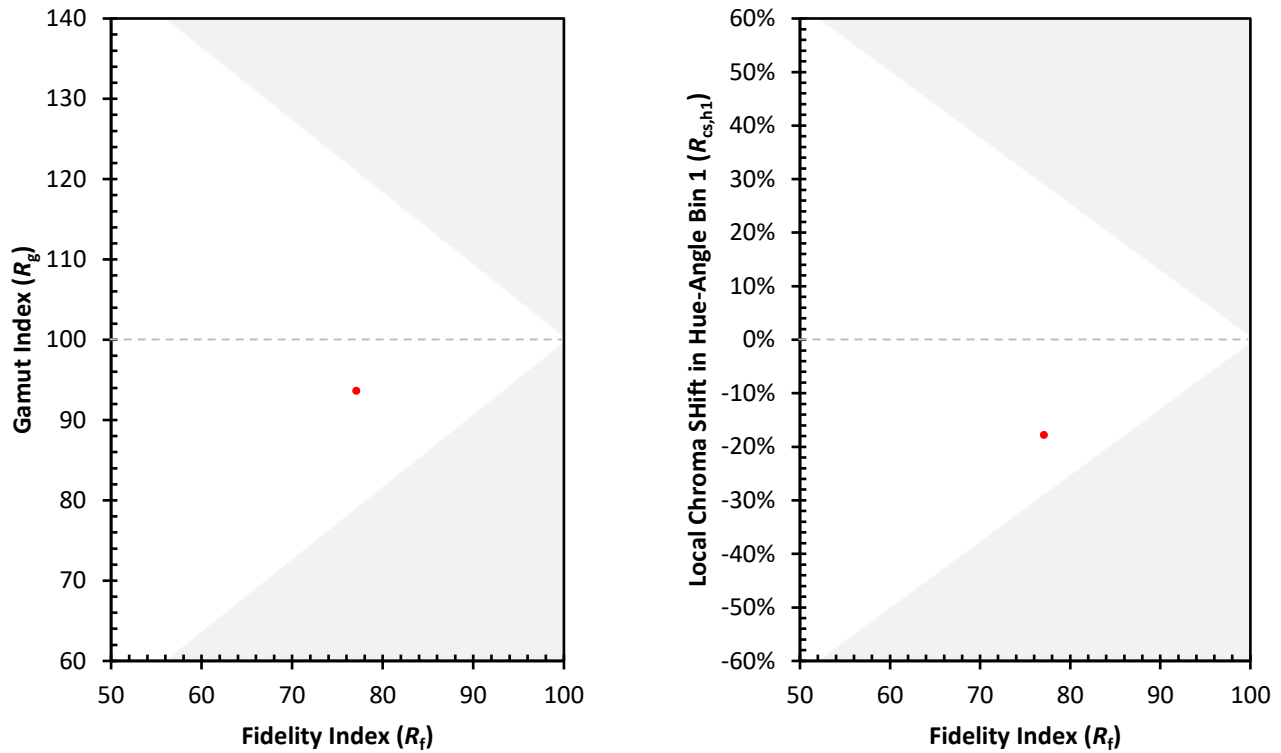
CES01 = 85	CES26 = 67	CES51 = 92	CES76 = 60
CES02 = 59	CES27 = 90	CES52 = 91	CES77 = 74
CES03 = 30	CES28 = 85	CES53 = 82	CES78 = 61
CES04 = 69	CES29 = 71	CES54 = 85	CES79 = 84
CES05 = 46	CES30 = 84	CES55 = 85	CES80 = 82
CES06 = 50	CES31 = 74	CES56 = 77	CES81 = 80
CES07 = 38	CES32 = 67	CES57 = 77	CES82 = 92
CES08 = 38	CES33 = 81	CES58 = 78	CES83 = 91
CES09 = 29	CES34 = 75	CES59 = 87	CES84 = 87
CES10 = 73	CES35 = 87	CES60 = 91	CES85 = 81
CES11 = 56	CES36 = 94	CES61 = 85	CES86 = 74
CES12 = 61	CES37 = 83	CES62 = 89	CES87 = 79
CES13 = 41	CES38 = 92	CES63 = 81	CES88 = 80
CES14 = 74	CES39 = 96	CES64 = 72	CES89 = 74
CES15 = 70	CES40 = 91	CES65 = 68	CES90 = 80
CES16 = 46	CES41 = 94	CES66 = 68	CES91 = 79
CES17 = 49	CES42 = 85	CES67 = 65	CES92 = 59
CES18 = 55	CES43 = 82	CES68 = 71	CES93 = 76
CES19 = 71	CES44 = 99	CES69 = 78	CES94 = 54
CES20 = 64	CES45 = 89	CES70 = 64	CES95 = 67
CES21 = 85	CES46 = 86	CES71 = 60	CES96 = 77
CES22 = 77	CES47 = 89	CES72 = 86	CES97 = 87
CES23 = 91	CES48 = 79	CES73 = 56	CES98 = 77
CES24 = 90	CES49 = 85	CES74 = 95	CES99 = 62
CES25 = 71	CES50 = 91	CES75 = 61	



Color Rendition by Hue-Angle Bin



Measure Comparisons



(END OF REPORT)