

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: P980793

Luminaire Tested: **UFLD-L-CA4-390-722-U-66**

Issue Date: 04/10/2025

Test Information

Test Method: LM-79-08
Report Number: P980793
Test Lab: INNOVATION CENTER(G2)
Issue Date: 04/10/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: UFLD-L-CA4-390-722-U-66
Description: UTILITY FLOOD LARGE SIZE 390W 70CRI 2200K LED FIXTURE NEMA 6
Light Source: (4) 2200K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 48081.4 lumens
Efficiency: N/A
Efficacy: 123.8 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.67' x H: 0')
IES Classification: Type I - Short
BUG Rating: B5 - U0 - G3

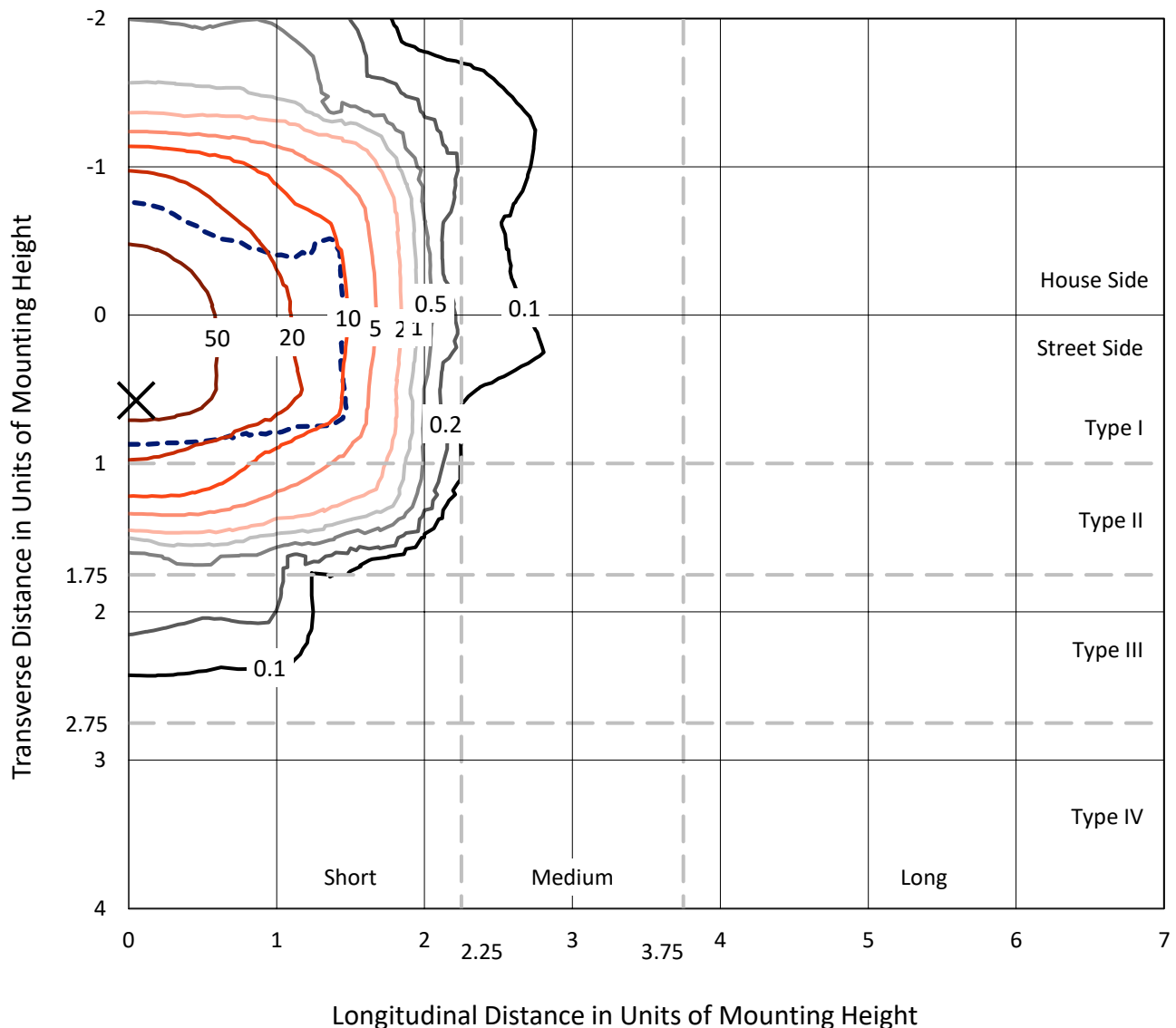
Input Watts (W): 388.4
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: 0.99
Total Harmonic Distortion (THDi): 2.46%
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

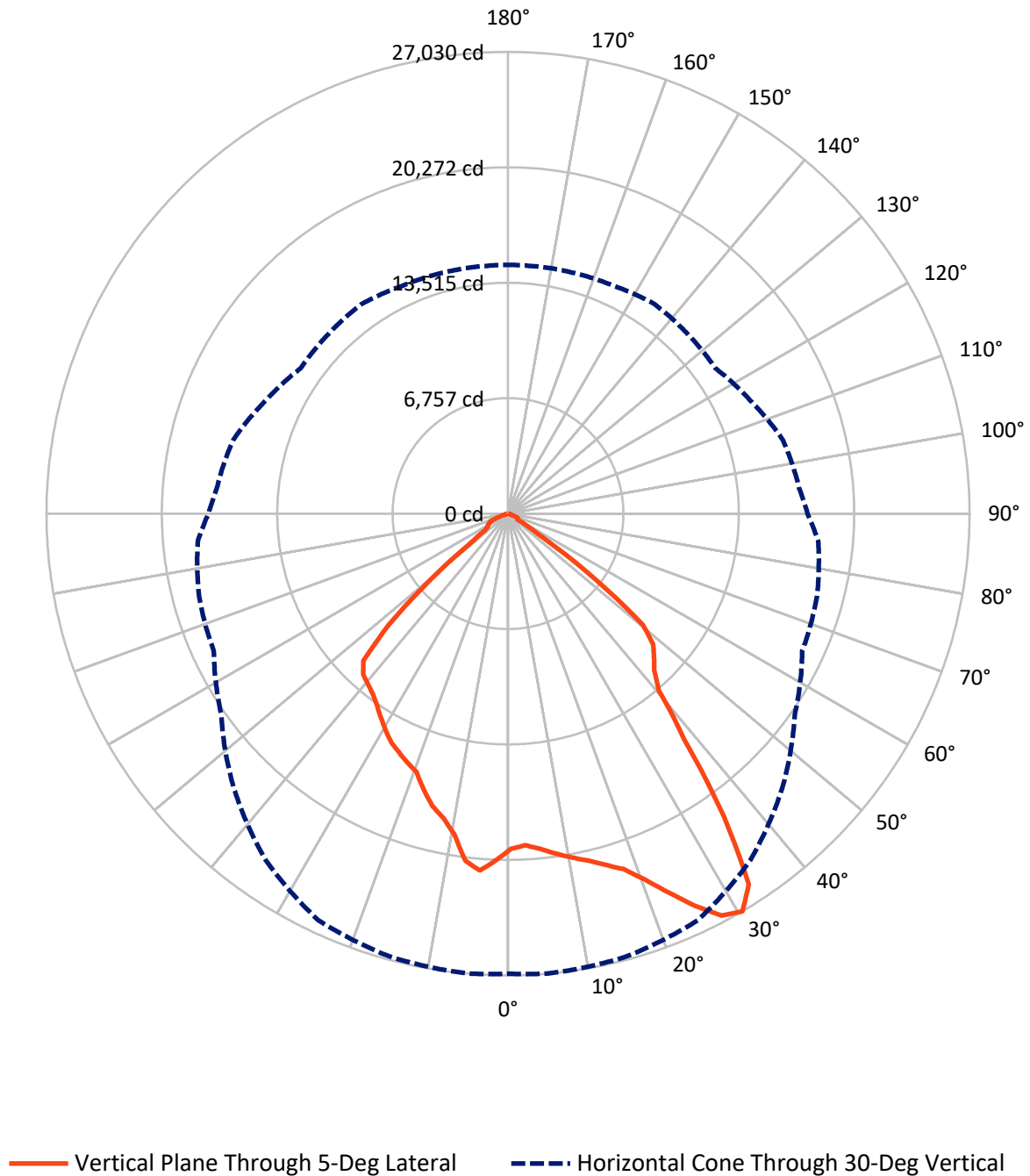
× Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 89.4 fc
 Type I - Short - N/A

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Luminous Intensity Polar Plot



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CATALOG NUMBER: UFLD-L-CA4-390-722-U-66

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	21265.9	0.0	21265.9
	% Fixture	44.2	0.0	44.2
Street Side	Lumens	26815.5	0.0	26815.5
	% Fixture	55.8	0.0	55.8
Total	Lumens	48081.4	0.0	48081.4
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1919.8	4.0
10°-20°	5561.4	11.6
20°-30°	8862.5	18.4
30°-40°	11079.6	23.0
40°-50°	10872.8	22.6
50°-60°	7773.4	16.2
60°-70°	1719.9	3.6
70°-80°	264.2	0.5
80°-90°	28.0	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°	48081.4	100.0
0°-180°	48081.4	100.0

Coefficient of Utilization



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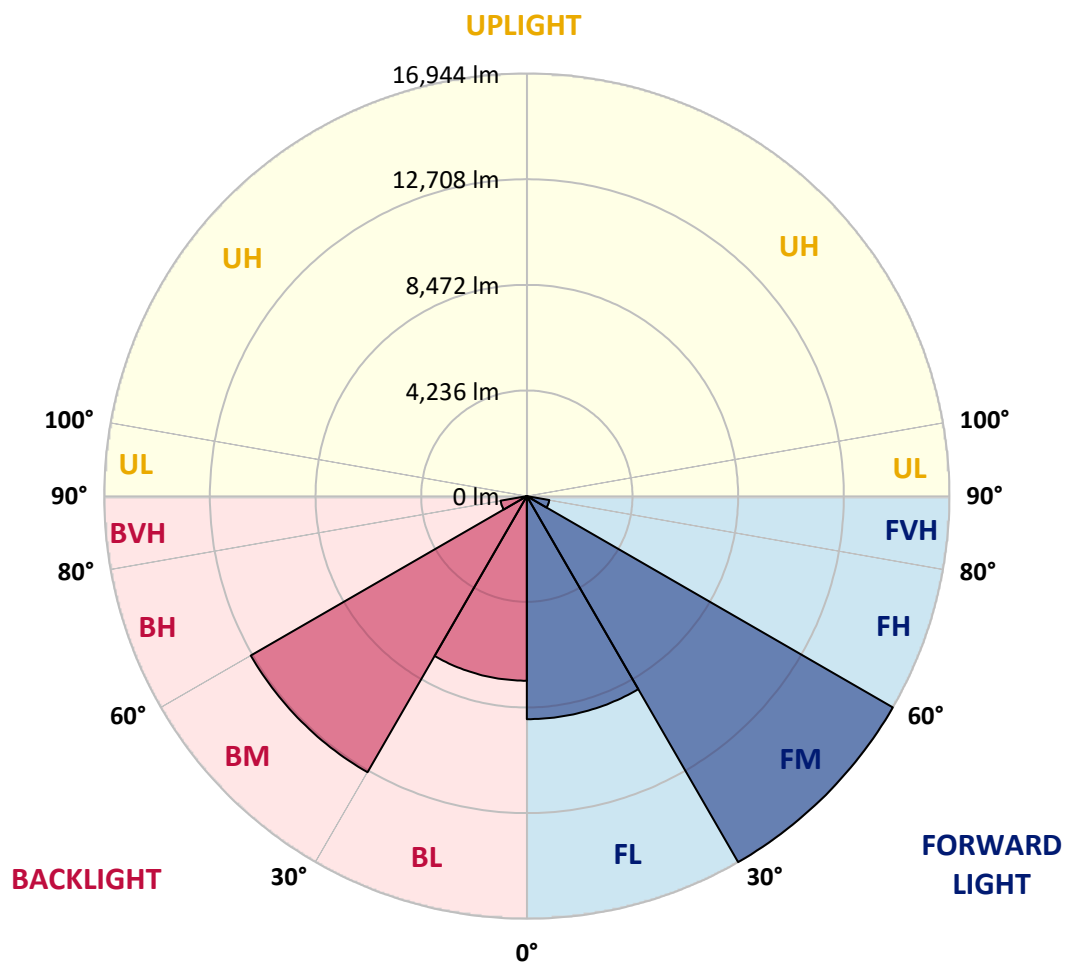
CATALOG NUMBER: UFLD-L-CA4-390-722-U-66

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	8942.7	18.6			
FM	(30°-60°)	16943.9	35.2			
FH	(60°-80°)	914.8	1.9			G1/1800
FVH	(80°-90°)	14.1	0.0			G1/100
BL	(0°-30°)	7401.0	15.4	B5		
BM	(30°-60°)	12781.9	26.6	B5		
BH	(60°-80°)	1069.3	2.2	B3/2500		G3/2500
BVH	(80°-90°)	13.8	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



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	19625.2	19625.2	19625.2	19625.2	19625.2	19625.2	19625.2	19625.2	19625.2	19625.2	19625.2
2.5°	19405.5	19436.9	19468.3	19515.4	19578.1	19609.5	19578.1	19546.7	19531.0	19562.4	19578.1
5°	19672.2	19719.3	19735.0	19766.4	19797.7	19766.4	19750.7	19719.3	19703.6	19719.3	19766.4
7.5°	20064.4	20095.8	20080.1	20064.4	20048.7	19938.9	19829.1	19782.0	19782.0	19829.1	19954.6
10°	20409.5	20472.3	20393.9	20331.1	20221.3	20048.7	19860.5	19750.7	19782.0	19876.2	20033.0
12.5°	20848.8	20848.8	20770.4	20707.6	20456.6	20252.7	20001.7	19829.1	19829.1	20001.7	20174.2
15°	21382.2	21335.1	21303.7	21131.2	20833.1	20503.7	20189.9	19938.9	19891.9	20158.5	20268.4
17.5°	22056.7	21884.2	21805.7	21507.7	21099.8	20676.2	20252.7	20048.7	19907.5	20189.9	20064.4
20°	22982.3	22856.8	22605.8	22135.2	21303.7	20754.7	20252.7	19986.0	19876.2	20033.0	19907.5
22.5°	24174.6	24096.1	23531.4	22935.2	21837.1	20817.4	20174.2	19813.4	19782.0	19703.6	19436.9
25°	25633.5	25429.6	24849.1	24002.0	22637.2	21429.2	20158.5	19499.7	19389.9	19185.9	18715.3
27.5°	26872.8	26653.2	25947.3	25194.3	23735.3	22339.1	20284.0	19123.2	18997.7	18856.5	18276.0
30°	26935.6	27029.7	26841.5	26276.7	24755.0	22715.6	20503.7	19013.3	18731.0	18229.0	17538.7
32.5°	25664.9	25884.5	26339.5	26543.4	25523.7	23170.6	20691.9	19060.4	18542.7	17334.8	16770.0
35°	21319.4	21758.7	23625.5	25382.5	25743.3	23829.4	20848.8	19060.4	18480.0	16691.6	16252.3
37.5°	16377.8	16738.7	18323.1	21507.7	24770.7	24237.3	21193.9	18950.6	18401.5	16738.7	16142.5
40°	13381.5	13585.4	14275.7	16440.6	21350.8	23562.7	21539.1	19076.1	18166.2	16770.0	16205.3
42.5°	12565.8	12550.1	12408.9	13208.9	16283.7	21586.1	21774.4	19389.9	17774.0	16566.1	16095.5
45°	12016.7	11985.3	11859.8	12016.7	12879.5	17664.2	21601.8	19954.6	17287.7	15844.5	15530.7
47.5°	11420.6	11436.2	11389.2	11451.9	11295.1	13412.9	20629.2	20189.9	16456.3	14636.5	14526.7
50°	9993.0	10228.3	10855.8	10918.6	10510.7	10824.4	17664.2	20080.1	15860.1	14291.4	14197.3
52.5°	6212.3	6588.8	8439.9	10008.7	9773.4	9773.4	13475.6	20237.0	14793.4	14165.9	14228.6
55°	2196.3	2478.6	4518.0	6886.8	8753.7	8926.2	10651.9	18009.3	14667.9	14385.5	14448.3
57.5°	549.1	674.6	1380.5	2980.6	5898.5	8094.8	9522.4	14871.8	11138.2	10746.0	10902.9
60°	643.2	627.5	862.8	956.9	2290.4	6400.5	8581.1	10040.1	7184.9	6730.0	6808.4
62.5°	690.3	643.2	674.6	847.1	376.5	3137.5	6839.8	5977.0	2965.0	2196.3	2321.8
65°	611.8	580.4	533.4	784.4	266.7	580.4	4031.7	1757.0	423.6	674.6	611.8
67.5°	407.9	423.6	439.3	627.5	251.0	251.0	533.4	439.3	298.1	611.8	533.4
70°	235.3	251.0	298.1	376.5	251.0	203.9	235.3	360.8	251.0	611.8	533.4
72.5°	141.2	141.2	141.2	156.9	251.0	172.6	156.9	298.1	219.6	564.8	533.4
75°	109.8	109.8	109.8	94.1	219.6	109.8	109.8	235.3	188.3	407.9	407.9
77.5°	94.1	94.1	94.1	78.4	125.5	94.1	94.1	172.6	172.6	203.9	235.3
80°	62.8	62.8	62.8	62.8	78.4	78.4	62.8	94.1	78.4	94.1	109.8
82.5°	31.4	47.1	47.1	31.4	47.1	47.1	47.1	62.8	47.1	62.8	62.8
85°	15.7	15.7	15.7	15.7	15.7	15.7	15.7	31.4	15.7	15.7	31.4
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



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CANDELA DISTRIBUTION (continued):

	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	19625.2	19625.2	19625.2	19625.2	19625.2	19625.2	19625.2	19625.2	19625.2	19625.2
2.5°	19609.5	19687.9	19797.7	19970.3	20033.0	20142.9	20237.0	20315.4	20315.4	20284.0
5°	19860.5	20080.1	20378.2	20644.9	20739.0	20848.8	20895.9	20974.3	20958.6	20942.9
7.5°	20080.1	20425.2	20739.0	20927.2	20895.9	20754.7	20660.5	20535.0	20488.0	20519.4
10°	20252.7	20566.4	20707.6	20582.1	20205.6	19876.2	19452.6	19170.2	19029.0	19076.1
12.5°	20315.4	20425.2	20299.7	19609.5	19138.9	18825.1	18480.0	18291.7	18213.3	18229.0
15°	20331.1	20080.1	19389.9	18872.2	18527.0	18134.8	17852.5	17679.9	17679.9	17695.6
17.5°	20001.7	19389.9	18793.7	18401.5	17915.2	17507.3	17350.5	17287.7	16895.5	16958.3
20°	19703.6	18825.1	18495.7	17883.8	17303.4	17036.7	16126.8	16032.7	16048.4	16064.1
22.5°	19076.1	18417.2	18119.2	17319.1	16660.2	15922.9	15797.4	15703.3	15719.0	15719.0
25°	18213.3	17836.8	17428.9	16597.5	15797.4	15656.2	15562.1	15436.6	15373.8	15389.5
27.5°	17727.0	17256.3	16503.3	15797.4	15279.7	15342.5	15232.6	15044.4	15044.4	15060.1
30°	17115.2	16660.2	15656.2	14824.8	14871.8	14966.0	14699.3	14605.1	14558.1	14558.1
32.5°	16362.1	15734.6	14856.1	14071.8	14354.1	14322.8	13993.3	14024.7	14056.1	14024.7
35°	15797.4	14981.6	14244.3	13820.8	13710.9	13585.4	13412.9	13522.7	13569.8	13538.4
37.5°	15656.2	14683.6	13914.9	13616.8	13193.3	12957.9	13005.0	13114.8	13177.6	13161.9
40°	15609.1	14385.5	13632.5	13318.8	12754.0	12550.1	12612.8	12832.4	12910.9	12895.2
42.5°	15546.4	14181.6	13459.9	13083.4	12299.1	12157.9	12455.9	12659.9	12675.6	12659.9
45°	15217.0	13961.9	13350.1	12597.1	11608.8	11781.4	12157.9	12267.7	12079.4	12001.0
47.5°	14448.3	13554.1	13020.7	12001.0	11044.1	11373.5	11420.6	10228.3	9538.1	9381.2
50°	14228.6	13569.8	12644.2	11295.1	10698.9	11028.4	8973.3	6855.5	5992.7	5820.1
52.5°	14165.9	13412.9	12785.4	10557.7	10573.4	9302.7	5663.2	3357.1	2698.3	2572.8
55°	14322.8	14103.1	13020.7	10118.5	9836.1	6055.4	2635.5	1584.4	1631.5	1584.4
57.5°	10808.7	11797.1	13303.1	9428.2	7184.9	2917.9	1662.9	1537.4	1427.6	1396.2
60°	6745.7	7686.9	9742.0	8110.5	3686.6	1741.3	1694.3	1427.6	1380.5	1364.8
62.5°	2227.6	3419.9	5584.8	5333.8	1019.7	1725.6	1709.9	1270.7	1270.7	1270.7
65°	564.8	580.4	1537.4	1835.4	753.0	1537.4	1631.5	1192.3	1160.9	1207.9
67.5°	486.3	439.3	815.8	721.6	627.5	1066.8	1427.6	1145.2	1082.4	1082.4
70°	486.3	517.7	800.1	674.6	392.2	580.4	1035.4	705.9	627.5	580.4
72.5°	454.9	502.0	705.9	611.8	266.7	282.4	454.9	235.3	219.6	188.3
75°	392.2	407.9	549.1	549.1	282.4	141.2	188.3	156.9	156.9	141.2
77.5°	266.7	203.9	313.8	392.2	203.9	94.1	78.4	78.4	78.4	62.8
80°	141.2	78.4	78.4	62.8	78.4	78.4	47.1	62.8	62.8	47.1
82.5°	78.4	47.1	47.1	31.4	31.4	47.1	31.4	31.4	31.4	31.4
85°	31.4	31.4	15.7	15.7	15.7	31.4	15.7	15.7	15.7	15.7
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	15.7	15.7
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: SP1-2501-319-8

Test Date: 02/05/2025

Luminaire Tested: NFFLD-C55-7022-66

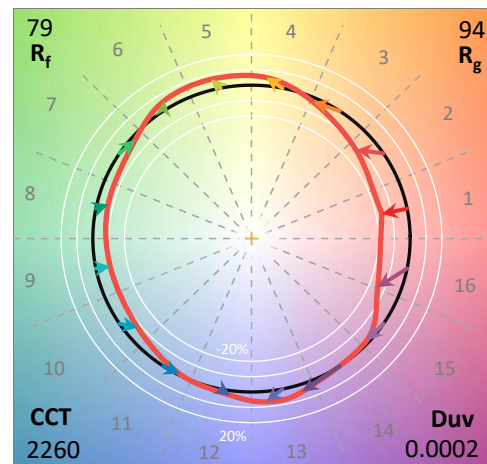
Data in this report applies to families of products including NFFLD-C55-7022-66

Test Information

Test Method: LM-79-2019
 Report Number: SP1-2501-319-8
 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-C55-7022-66**
 Description: LUMARK NIGHT FALCON 16900LM NEMA 6

Spectral Parameters

CCT (K):	2260	CRI (Ra):	72.8		
CIE u':	0.2861	R1:	70.2	R9:	-28.5
CIE v':	0.5354	R2:	88.0	R10:	76.1
Duv:	0.0002	R3:	89.4	R11:	65.3
CIE x:	0.5000	R4:	67.3	R12:	73.8
CIE y:	0.4158	R5:	70.5	R13:	73.9
CIE z:	0.0842	R6:	87.8	R14:	94.5
Peak Wavelength (nm):	604	R7:	71.9	R15:	60.0
Dominant Wavelength (nm):	586	R8:	36.8		
Purity:	74.90898				
Rf:	78.7				
Rg:	93.7				



Test Conditions

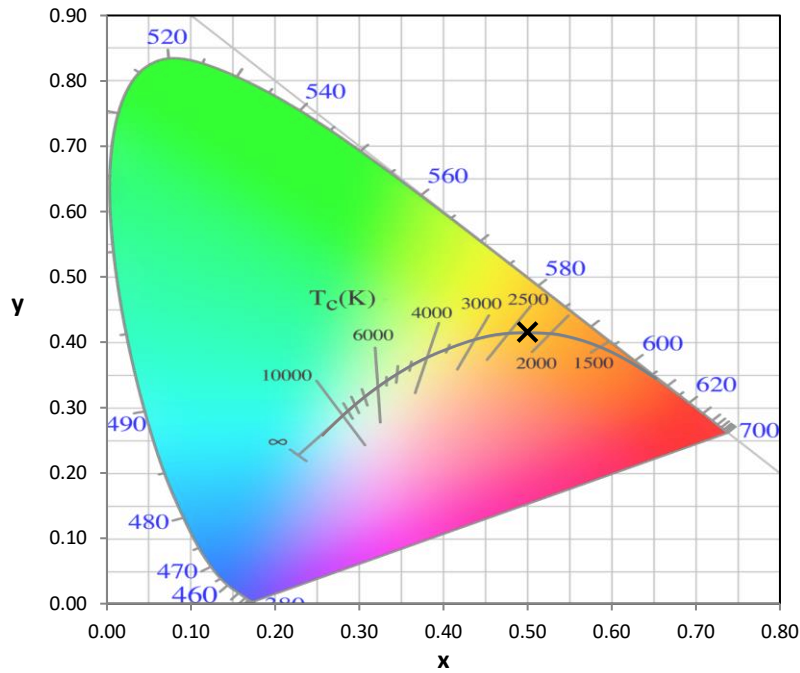
Stabilization Time: 59M
 Operation Time: 1H 59M
 Sphere Temperature (°C): 25.0

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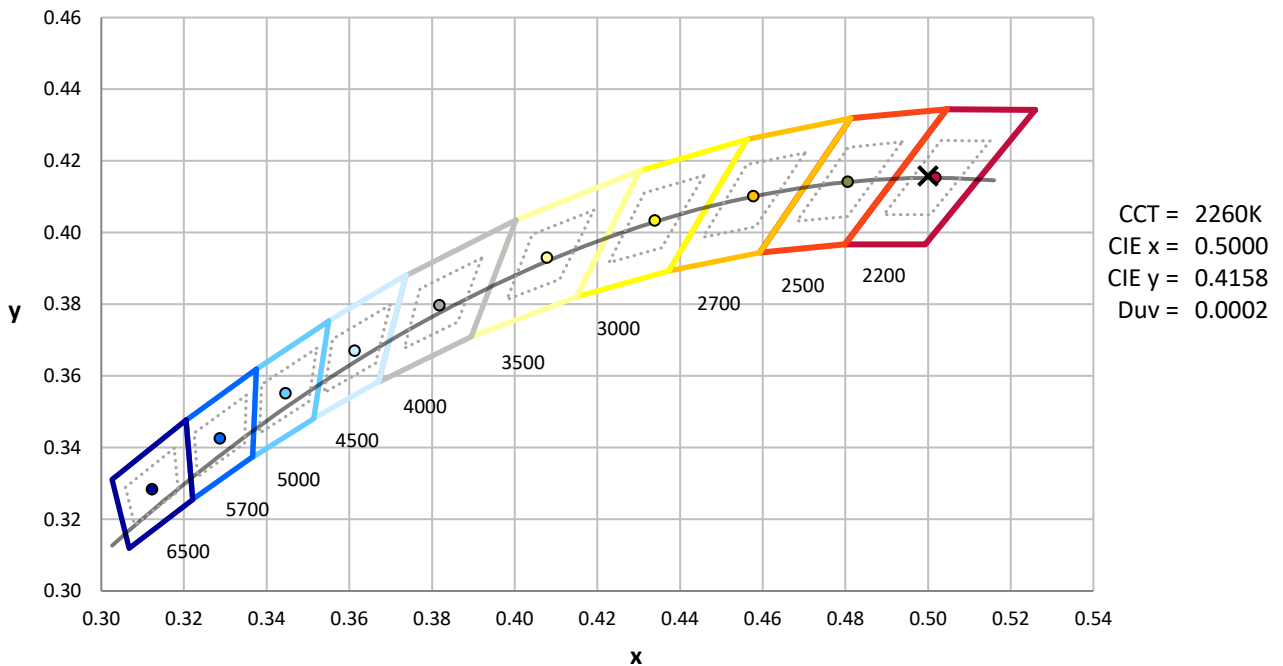
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	12/16/2024	6/16/2025
Power Meter	INXT2011004	1/21/2025	1/21/2026
AC Power Source	IN0063	10/22/2024	10/22/2025
DC Power Source	IN0208	10/22/2024	10/22/2025
Sphere Thermometer	IN0085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

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CIE 1931 Chromaticity Diagram



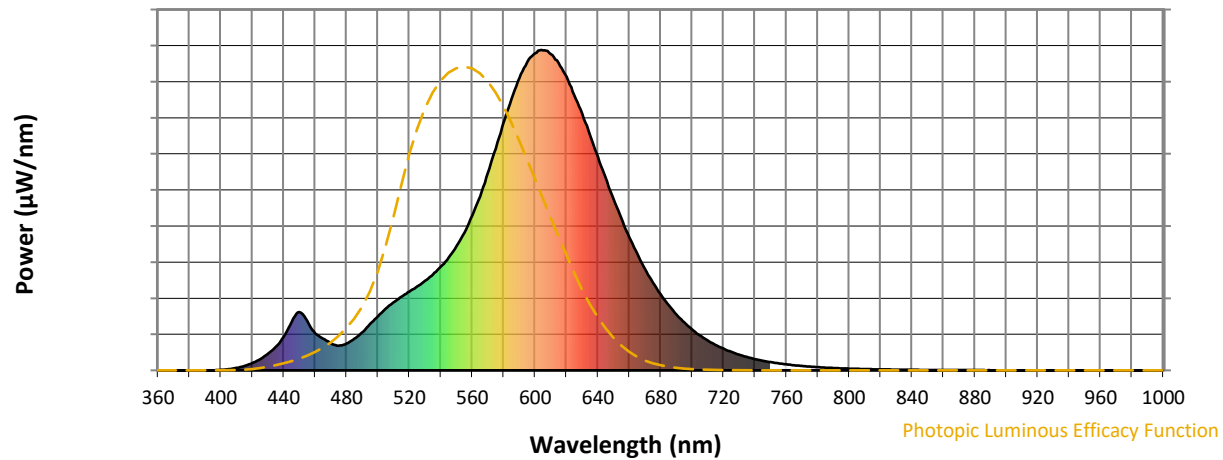
CIE 1931 Chromaticity Diagram with 2017 ANSI 7-Step and 4-Step Quadrangles



Point lies inside the ANSI 2200K 4-step quadrangle

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Photopic Flux vs. Wavelength

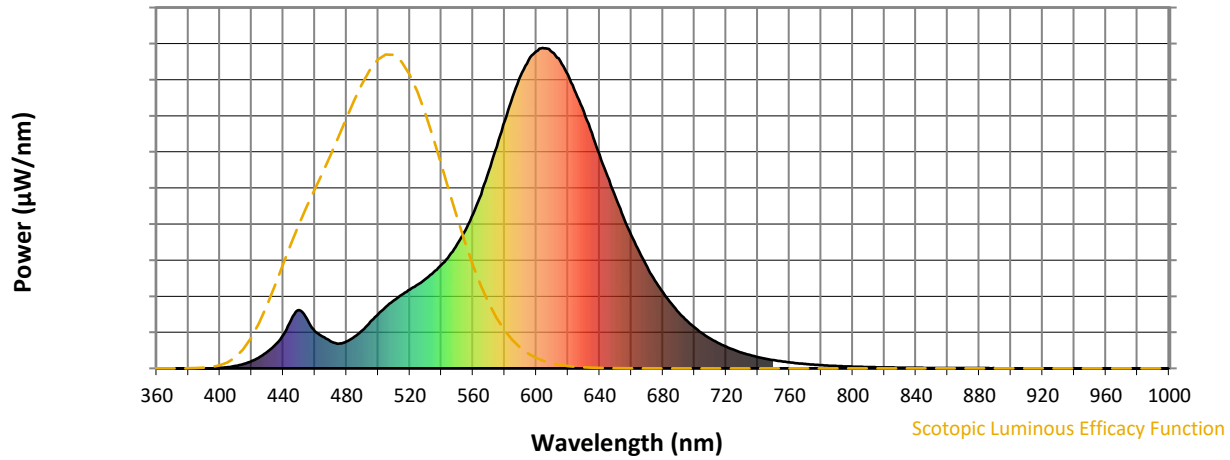


Photopic Lumens: NR

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	118	NR	620	917	NR	750	26	NR	880	1	NR
365	0	NR	495	145	NR	625	859	NR	755	22	NR	885	1	NR
370	0	NR	500	169	NR	630	801	NR	760	19	NR	890	0	NR
375	0	NR	505	193	NR	635	735	NR	765	16	NR	895	0	NR
380	0	NR	510	213	NR	640	667	NR	770	14	NR	900	0	NR
385	0	NR	515	230	NR	645	600	NR	775	12	NR	905	0	NR
390	0	NR	520	246	NR	650	534	NR	780	10	NR	910	0	NR
395	0	NR	525	262	NR	655	473	NR	785	8	NR	915	0	NR
400	2	NR	530	280	NR	660	416	NR	790	7	NR	920	0	NR
405	4	NR	535	299	NR	665	364	NR	795	6	NR	925	0	NR
410	8	NR	540	324	NR	670	316	NR	800	5	NR	930	0	NR
415	14	NR	545	352	NR	675	274	NR	805	5	NR	935	0	NR
420	23	NR	550	388	NR	680	237	NR	810	4	NR	940	0	NR
425	35	NR	555	429	NR	685	204	NR	815	4	NR	945	0	NR
430	52	NR	560	482	NR	690	174	NR	820	3	NR	950	0	NR
435	74	NR	565	543	NR	695	150	NR	825	3	NR	955	0	NR
440	105	NR	570	616	NR	700	128	NR	830	2	NR	960	0	NR
445	151	NR	575	692	NR	705	109	NR	835	2	NR	965	0	NR
450	182	NR	580	773	NR	710	93	NR	840	2	NR	970	0	NR
455	154	NR	585	847	NR	715	79	NR	845	2	NR	975	0	NR
460	116	NR	590	913	NR	720	68	NR	850	1	NR	980	0	NR
465	99	NR	595	962	NR	725	58	NR	855	1	NR	985	0	NR
470	84	NR	600	990	NR	730	49	NR	860	1	NR	990	0	NR
475	77	NR	605	999	NR	735	42	NR	865	1	NR	995	0	NR
480	84	NR	610	986	NR	740	35	NR	870	1	NR	1000	0	NR
485	99	NR	615	960	NR	745	30	NR	875	1	NR			

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Scotopic Flux vs. Wavelength



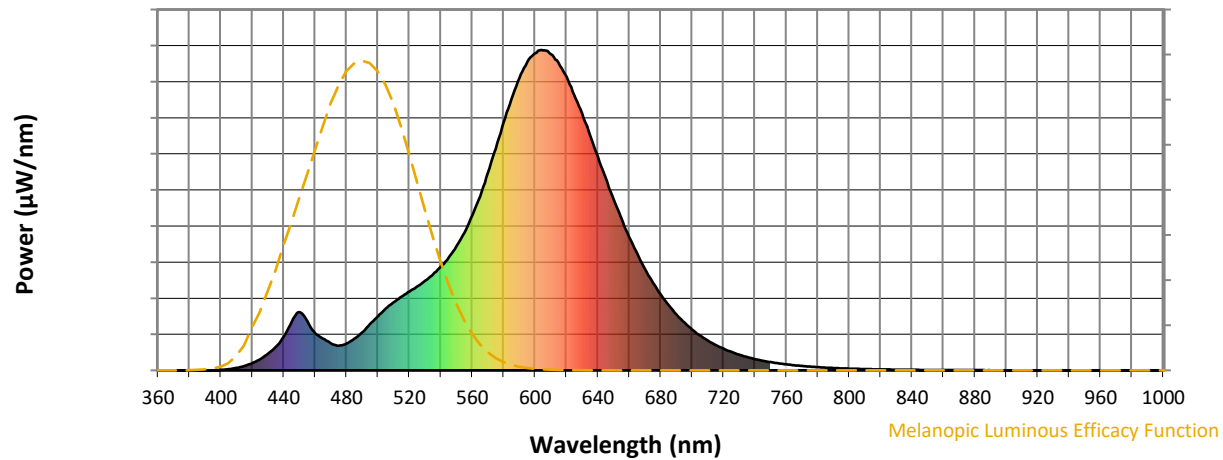
Scotopic Lumens: NR

S/P: 0.95

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	118	NR	620	917	NR	750	26	NR	880	1	NR
365	0	NR	495	145	NR	625	859	NR	755	22	NR	885	1	NR
370	0	NR	500	169	NR	630	801	NR	760	19	NR	890	0	NR
375	0	NR	505	193	NR	635	735	NR	765	16	NR	895	0	NR
380	0	NR	510	213	NR	640	667	NR	770	14	NR	900	0	NR
385	0	NR	515	230	NR	645	600	NR	775	12	NR	905	0	NR
390	0	NR	520	246	NR	650	534	NR	780	10	NR	910	0	NR
395	0	NR	525	262	NR	655	473	NR	785	8	NR	915	0	NR
400	2	NR	530	280	NR	660	416	NR	790	7	NR	920	0	NR
405	4	NR	535	299	NR	665	364	NR	795	6	NR	925	0	NR
410	8	NR	540	324	NR	670	316	NR	800	5	NR	930	0	NR
415	14	NR	545	352	NR	675	274	NR	805	5	NR	935	0	NR
420	23	NR	550	388	NR	680	237	NR	810	4	NR	940	0	NR
425	35	NR	555	429	NR	685	204	NR	815	4	NR	945	0	NR
430	52	NR	560	482	NR	690	174	NR	820	3	NR	950	0	NR
435	74	NR	565	543	NR	695	150	NR	825	3	NR	955	0	NR
440	105	NR	570	616	NR	700	128	NR	830	2	NR	960	0	NR
445	151	NR	575	692	NR	705	109	NR	835	2	NR	965	0	NR
450	182	NR	580	773	NR	710	93	NR	840	2	NR	970	0	NR
455	154	NR	585	847	NR	715	79	NR	845	2	NR	975	0	NR
460	116	NR	590	913	NR	720	68	NR	850	1	NR	980	0	NR
465	99	NR	595	962	NR	725	58	NR	855	1	NR	985	0	NR
470	84	NR	600	990	NR	730	49	NR	860	1	NR	990	0	NR
475	77	NR	605	999	NR	735	42	NR	865	1	NR	995	0	NR
480	84	NR	610	986	NR	740	35	NR	870	1	NR	1000	0	NR
485	99	NR	615	960	NR	745	30	NR	875	1	NR			

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Melanopic Flux vs. Wavelength



Melanopic Lumens: NR

M/P: 1.64

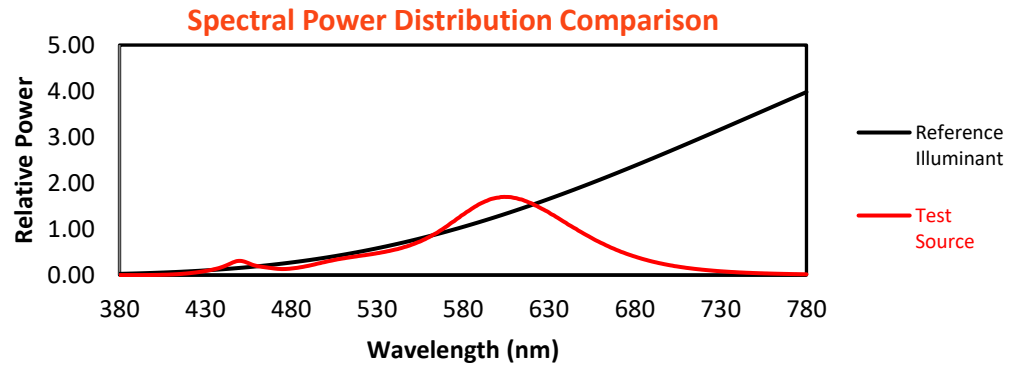
λ (nm)	Power W [^] /nm	Lumens (φ/nm)	λ (nm)	Power W [^] /nm	Lumens (φ/nm)	λ (nm)	Power W [^] /nm	Lumens (φ/nm)	λ (nm)	Power W [^] /nm	Lumens (φ/nm)	λ (nm)	Power W [^] /nm	Lumens (φ/nm)
360	0	NR	490	118	NR	620	917	NR	750	26	NR	880	1	NR
365	0	NR	495	145	NR	625	859	NR	755	22	NR	885	1	NR
370	0	NR	500	169	NR	630	801	NR	760	19	NR	890	0	NR
375	0	NR	505	193	NR	635	735	NR	765	16	NR	895	0	NR
380	0	NR	510	213	NR	640	667	NR	770	14	NR	900	0	NR
385	0	NR	515	230	NR	645	600	NR	775	12	NR	905	0	NR
390	0	NR	520	246	NR	650	534	NR	780	10	NR	910	0	NR
395	0	NR	525	262	NR	655	473	NR	785	8	NR	915	0	NR
400	2	NR	530	280	NR	660	416	NR	790	7	NR	920	0	NR
405	4	NR	535	299	NR	665	364	NR	795	6	NR	925	0	NR
410	8	NR	540	324	NR	670	316	NR	800	5	NR	930	0	NR
415	14	NR	545	352	NR	675	274	NR	805	5	NR	935	0	NR
420	23	NR	550	388	NR	680	237	NR	810	4	NR	940	0	NR
425	35	NR	555	429	NR	685	204	NR	815	4	NR	945	0	NR
430	52	NR	560	482	NR	690	174	NR	820	3	NR	950	0	NR
435	74	NR	565	543	NR	695	150	NR	825	3	NR	955	0	NR
440	105	NR	570	616	NR	700	128	NR	830	2	NR	960	0	NR
445	151	NR	575	692	NR	705	109	NR	835	2	NR	965	0	NR
450	182	NR	580	773	NR	710	93	NR	840	2	NR	970	0	NR
455	154	NR	585	847	NR	715	79	NR	845	2	NR	975	0	NR
460	116	NR	590	913	NR	720	68	NR	850	1	NR	980	0	NR
465	99	NR	595	962	NR	725	58	NR	855	1	NR	985	0	NR
470	84	NR	600	990	NR	730	49	NR	860	1	NR	990	0	NR
475	77	NR	605	999	NR	735	42	NR	865	1	NR	995	0	NR
480	84	NR	610	986	NR	740	35	NR	870	1	NR	1000	0	NR
485	99	NR	615	960	NR	745	30	NR	875	1	NR			

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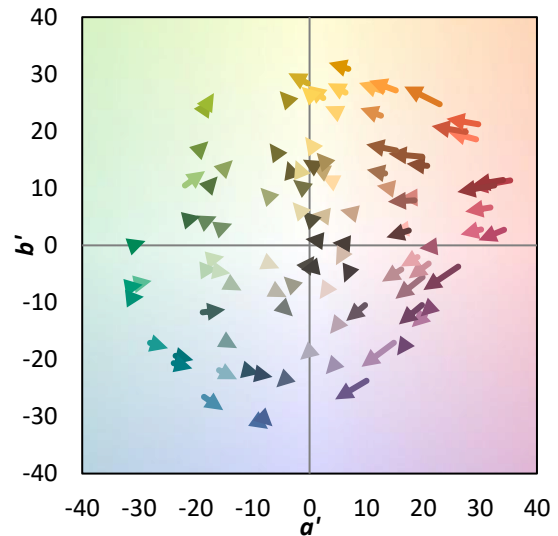
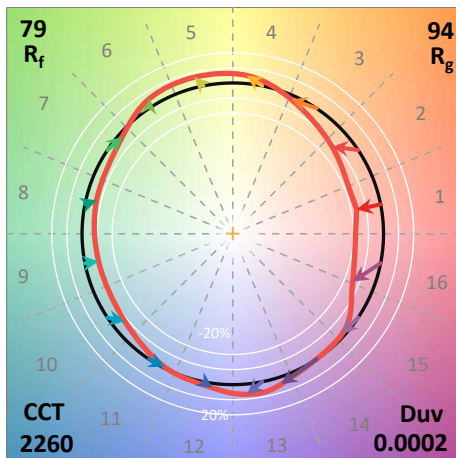
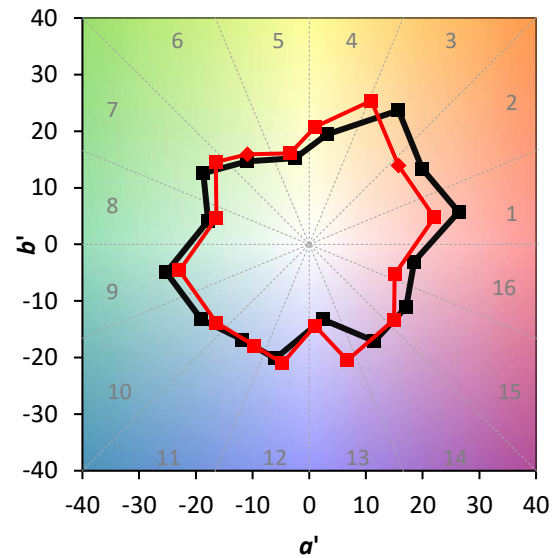
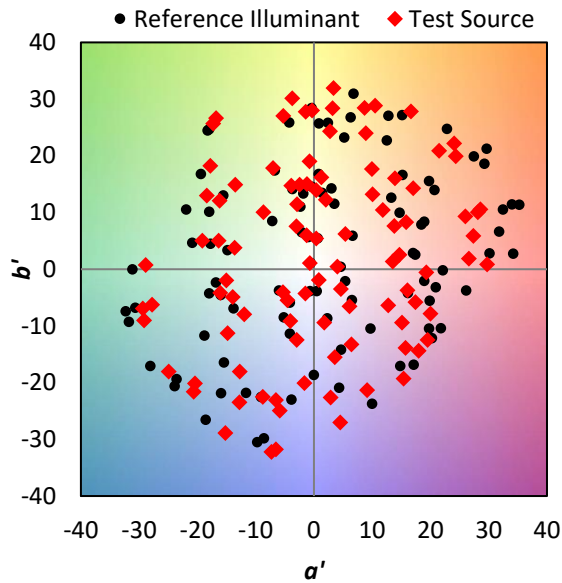
TM-30-18

Summary

$R_f = 78.7$
 $R_g = 93.7$
 $CIE R_a = 72.8$
 $R_g = -28.5$

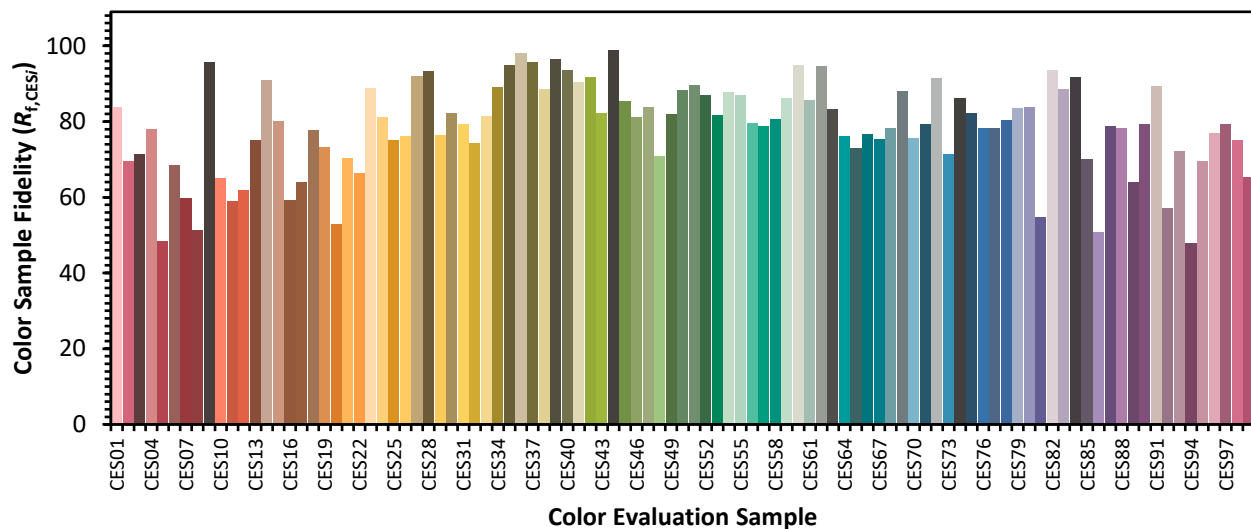


Color Vector Graphics

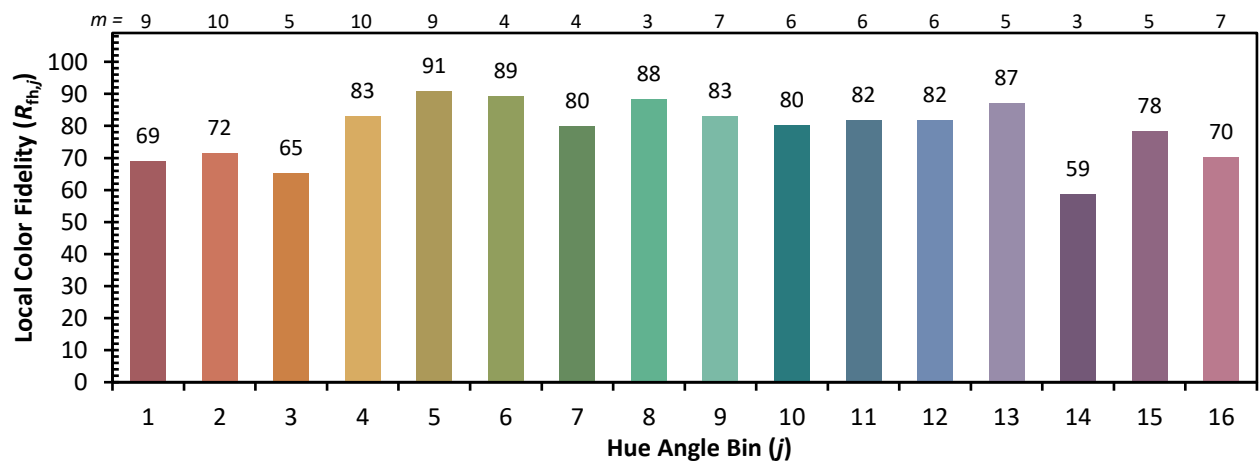
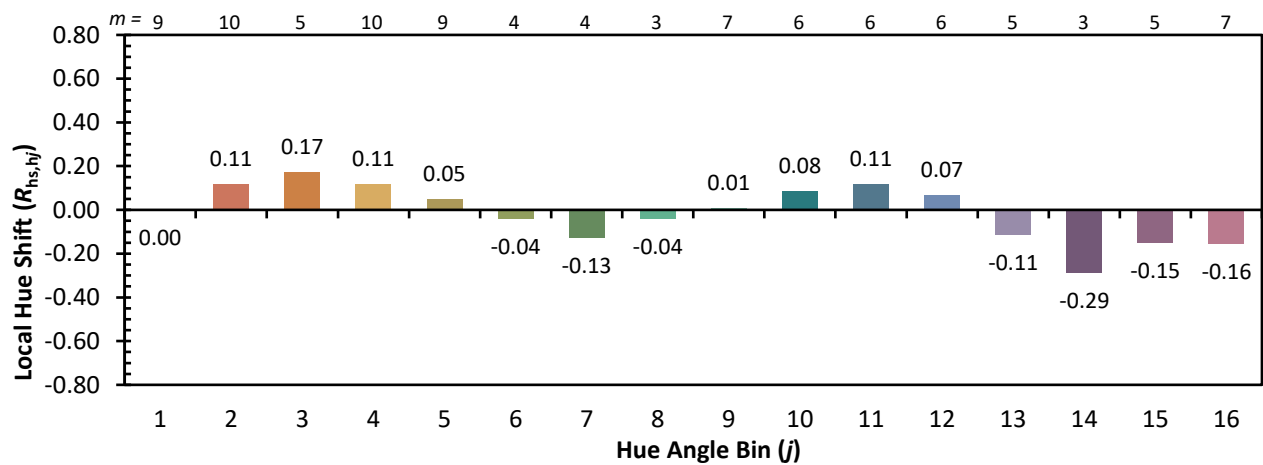
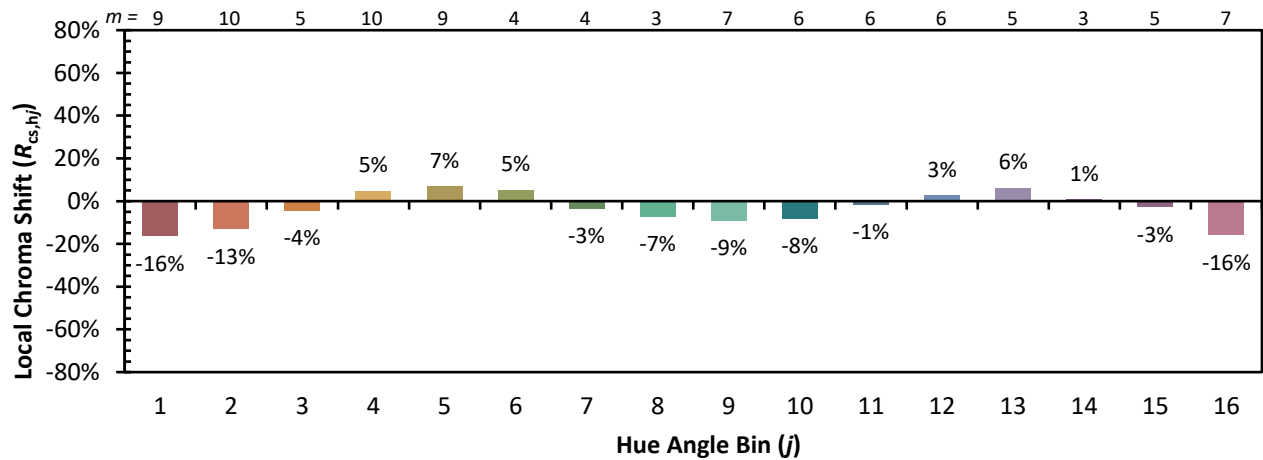


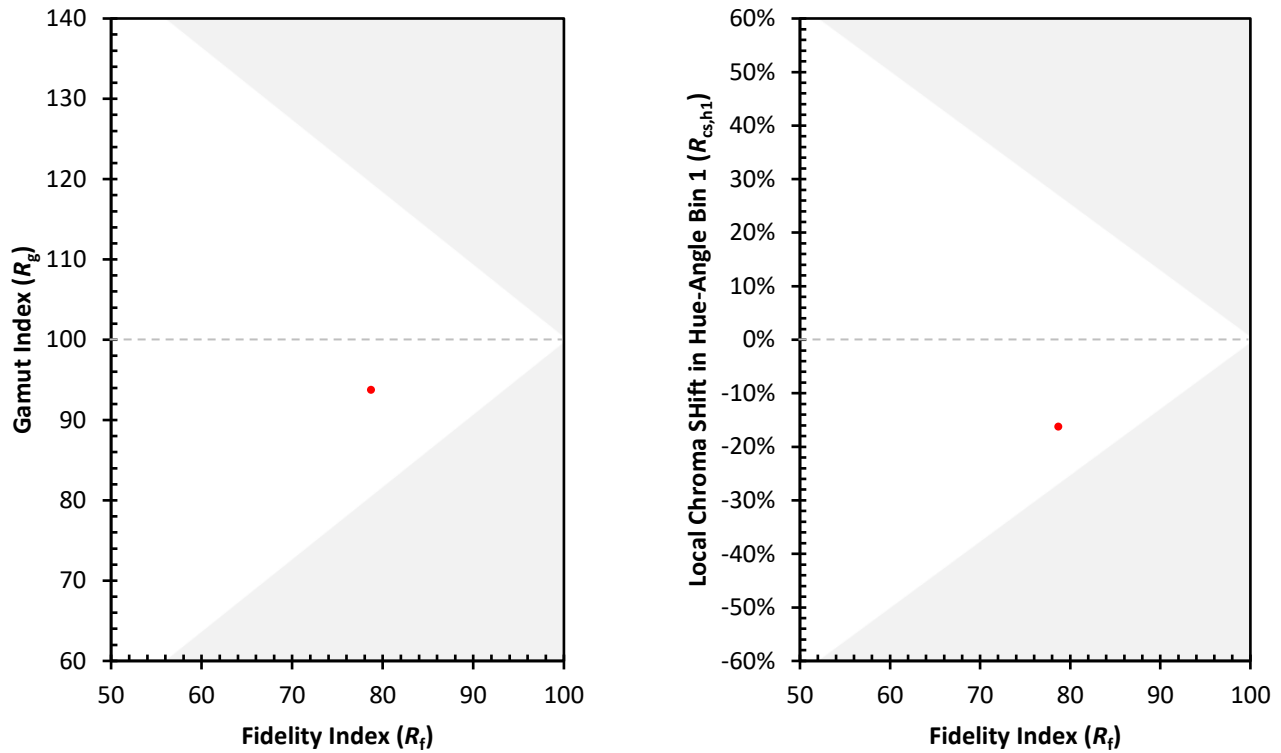
Individual Sample Fidelity Index ($R_{f,i}$)

CES01 = 87	CES26 = 76	CES51 = 90	CES76 = 78
CES02 = 65	CES27 = 92	CES52 = 87	CES77 = 78
CES03 = 32	CES28 = 93	CES53 = 82	CES78 = 80
CES04 = 72	CES29 = 77	CES54 = 88	CES79 = 84
CES05 = 51	CES30 = 82	CES55 = 87	CES80 = 84
CES06 = 52	CES31 = 79	CES56 = 80	CES81 = 55
CES07 = 44	CES32 = 74	CES57 = 79	CES82 = 94
CES08 = 42	CES33 = 81	CES58 = 81	CES83 = 88
CES09 = 29	CES34 = 89	CES59 = 86	CES84 = 92
CES10 = 79	CES35 = 95	CES60 = 95	CES85 = 70
CES11 = 61	CES36 = 98	CES61 = 86	CES86 = 51
CES12 = 68	CES37 = 96	CES62 = 95	CES87 = 79
CES13 = 45	CES38 = 89	CES63 = 83	CES88 = 78
CES14 = 75	CES39 = 96	CES64 = 76	CES89 = 64
CES15 = 72	CES40 = 94	CES65 = 73	CES90 = 79
CES16 = 48	CES41 = 91	CES66 = 77	CES91 = 89
CES17 = 51	CES42 = 92	CES67 = 75	CES92 = 57
CES18 = 57	CES43 = 82	CES68 = 78	CES93 = 72
CES19 = 74	CES44 = 99	CES69 = 88	CES94 = 48
CES20 = 68	CES45 = 85	CES70 = 76	CES95 = 70
CES21 = 88	CES46 = 81	CES71 = 79	CES96 = 77
CES22 = 81	CES47 = 84	CES72 = 91	CES97 = 79
CES23 = 92	CES48 = 71	CES73 = 71	CES98 = 75
CES24 = 92	CES49 = 82	CES74 = 86	CES99 = 65
CES25 = 73	CES50 = 88	CES75 = 82	



Color Rendition by Hue-Angle Bin



Measure Comparisons


(END OF REPORT)