

Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

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Peachtree City, GA 30269

Scaled data based on original data using
LM-79-2024 Approved Method: Electrical and Photometric Measurements of Solid-
State Lighting Products

Test Report Prepared for
Cooper Lighting Solutions

Brand: STREETWORKS

Report Number: P1461244

Luminaire Tested: USSL-150-750-U-5WQ

Issue Date: 06/10/2026

Test Information

Test Method: LM-79-2024
Report Number: P1461244
Test Lab: INNOVATION CENTER(G3)
Issue Date: 6/11/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: STREETWORKS
Catalog Number: USSL-150-750-U-5WQ
Description: USSL DISCRETE LED 1 SQUARE 150W 70CRI 5000K FIXTURE w/ TYPE V SQUARE WIDE DISTRIBUTION OPTIC
Light Source: (40) 5000K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 22034.1 lumens
Efficiency: N/A
Efficacy: 145.0 lumens/watt
Luminous Opening: Rectangular (W 0.67' x L: 0.67' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G3

Input Watts (W): 152
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: 0.98
Total Harmonic Distortion (THDi): 2.75%
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT

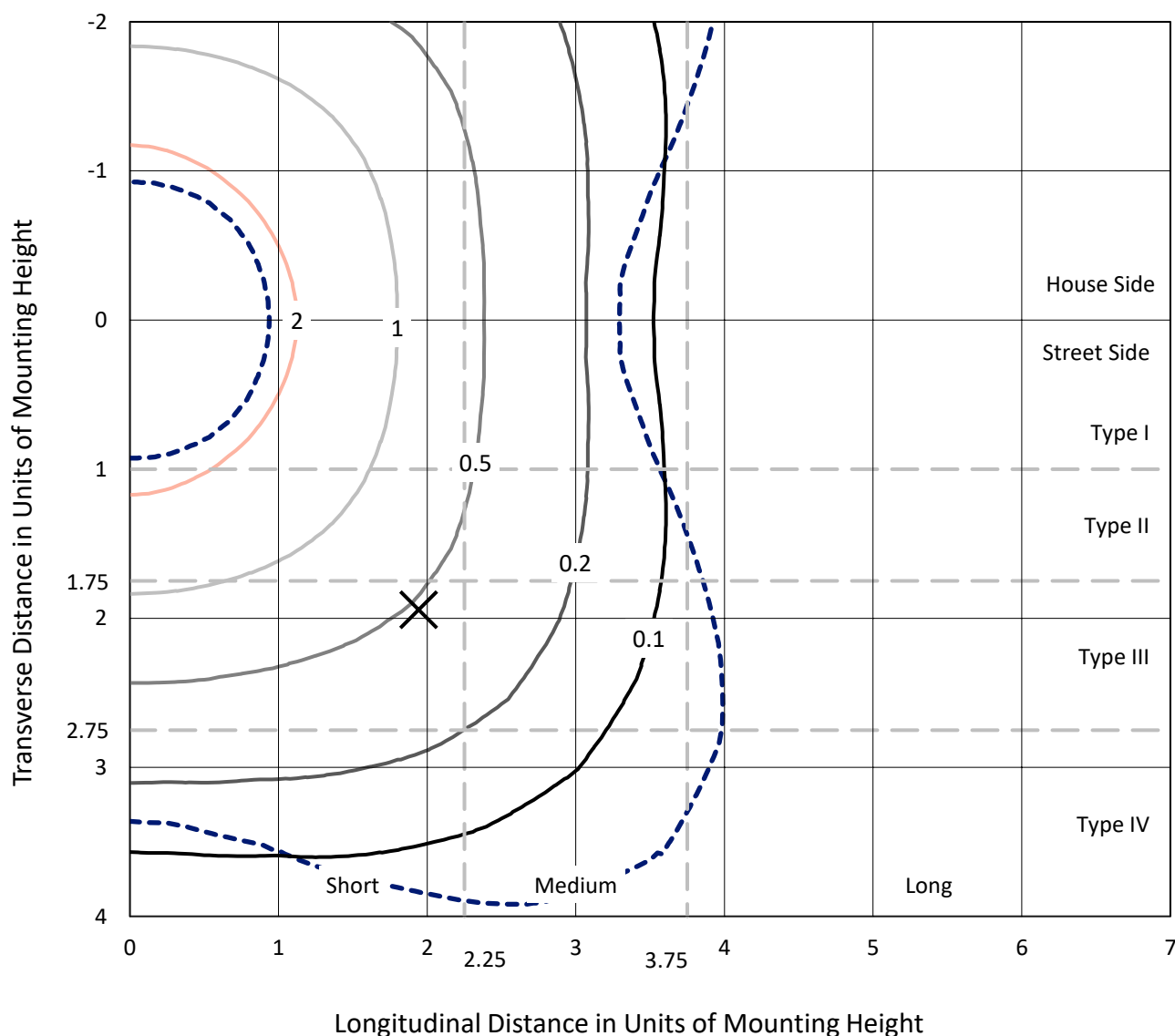
REPORT NUMBER: P1461244

CATALOG NUMBER: USSL-150-750-U-5WQ

Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

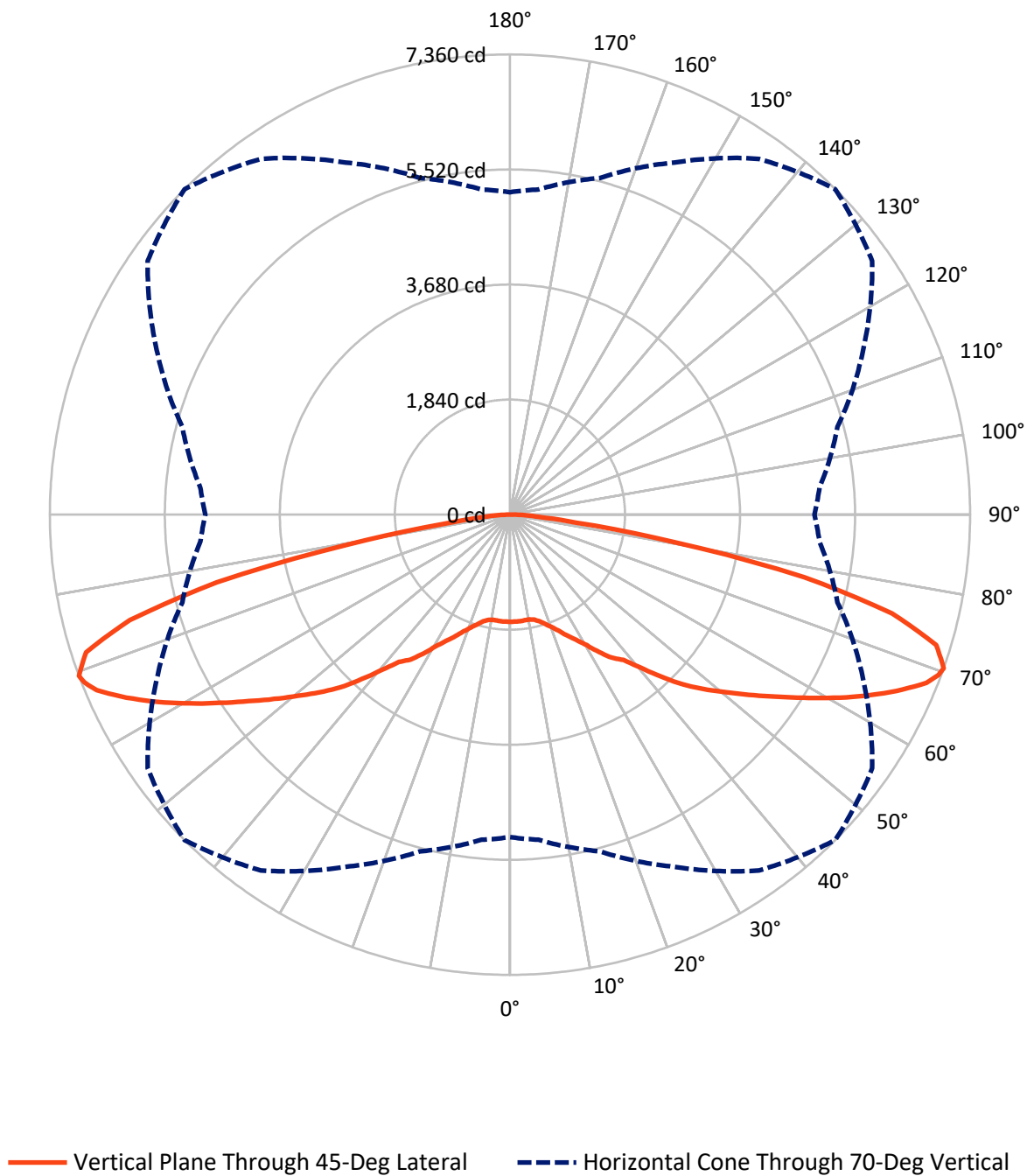


Based on 25 foot mounting height. Maximum calculated value = 2.7 fc
 Type V - Short - N/A

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CATALOG NUMBER: USSL-150-750-U-5WQ

Luminous Intensity Polar Plot



REPORT NUMBER: P1461244

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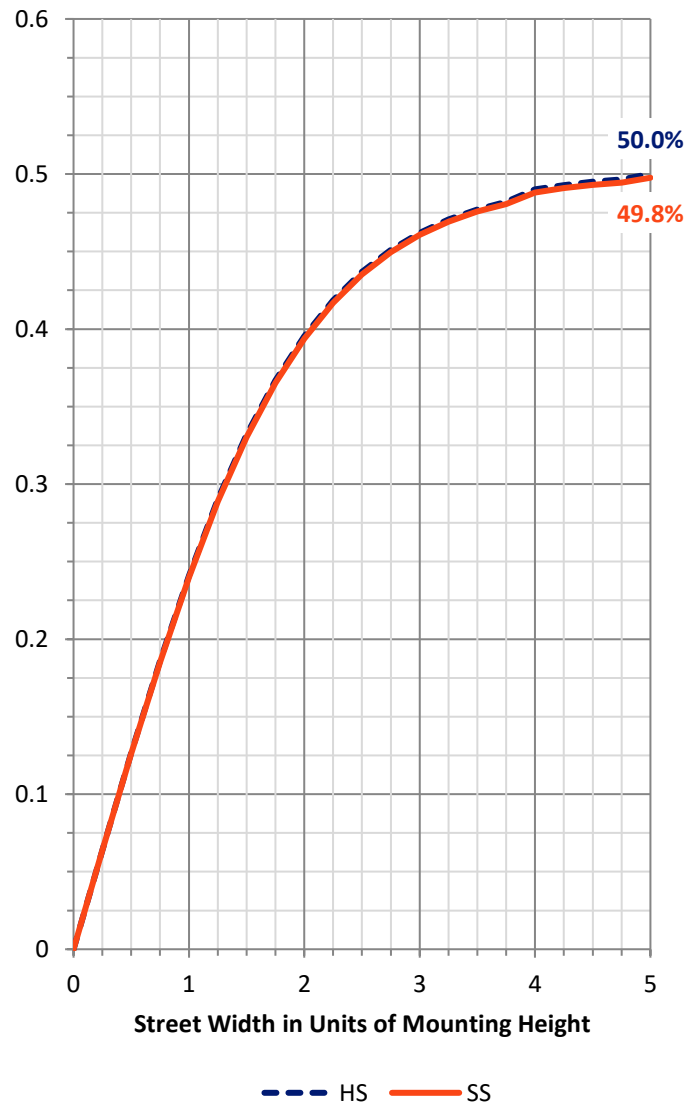
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	11017.1	0.0	11017.1
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	11017.1	0.0	11017.1
	% Fixture	50.0	0.0	50.0
Total	Lumens	22034.1	0.0	22034.1
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	162.4	0.7
10°-20°	507.2	2.3
20°-30°	987.9	4.5
30°-40°	1752.2	8.0
40°-50°	3023.1	13.7
50°-60°	4565.0	20.7
60°-70°	6078.3	27.6
70°-80°	4408.7	20.0
80°-90°	549.2	2.5
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°	22034.1	100.0
0°-180°	22034.1	100.0

Coefficient of Utilization



REPORT NUMBER: P1461244

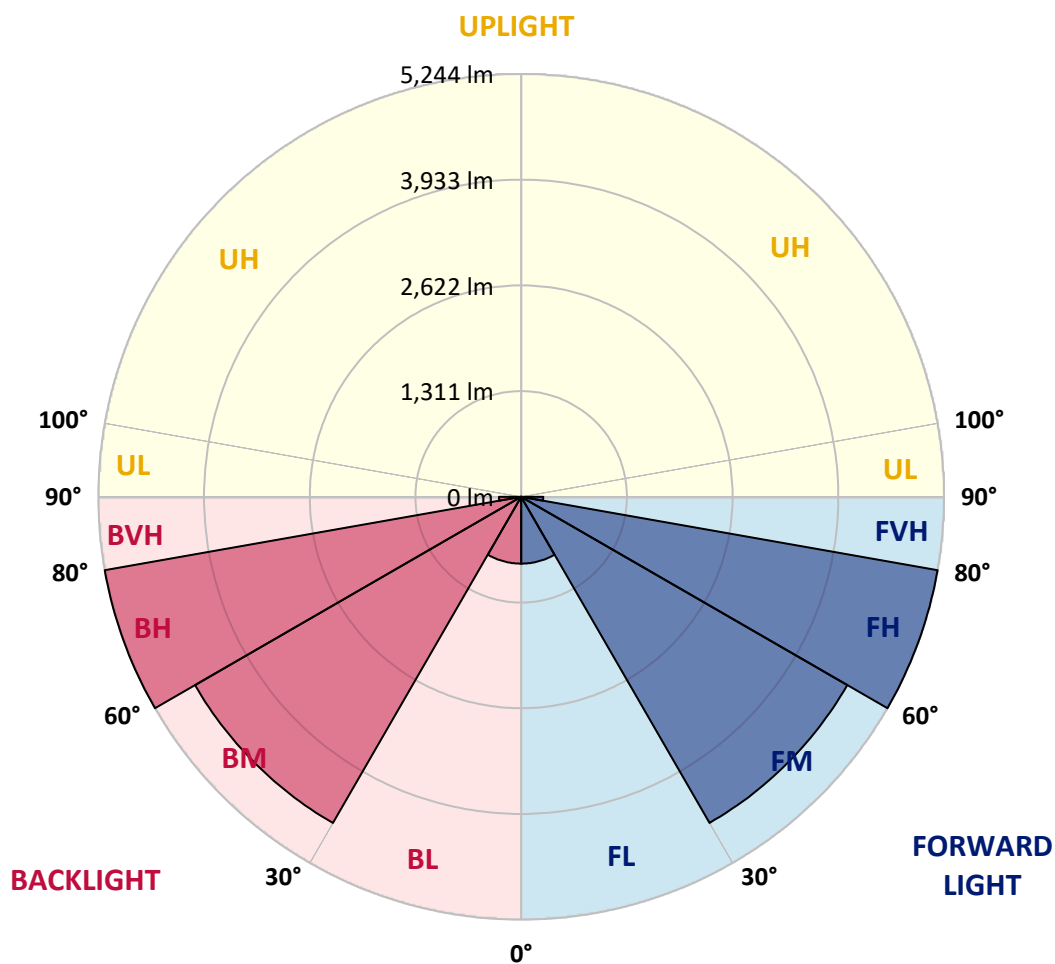
CATALOG NUMBER: USSL-150-750-U-5WQ

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	828.8	3.8			
FM	(30°-60°)	4670.2	21.2			
FH	(60°-80°)	5243.5	23.8			G3/7500
FVH	(80°-90°)	274.6	1.2			G3/500
BL	(0°-30°)	828.8	3.8	B2/1000		
BM	(30°-60°)	4670.2	21.2	B3/5000		
BH	(60°-80°)	5243.5	23.8	B5		G3/7500
BVH	(80°-90°)	274.6	1.2			G3/500
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B5-U0-G3

Type V Short



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CATALOG NUMBER: USSL-150-750-U-5WQ

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	1713.0	1713.0	1713.0	1713.0	1713.0	1713.0	1713.0	1713.0	1713.0	1713.0	1713.0
2.5°	1714.0	1714.0	1714.0	1714.0	1713.0	1712.0	1711.0	1711.0	1711.0	1710.0	1710.0
5°	1718.0	1717.0	1717.0	1716.0	1716.0	1712.0	1708.0	1705.0	1702.0	1699.0	1700.0
7.5°	1702.0	1704.0	1703.0	1705.0	1707.0	1705.0	1697.0	1688.0	1680.0	1673.0	1673.0
10°	1704.0	1703.0	1702.0	1703.0	1705.0	1704.0	1696.0	1684.0	1673.0	1665.0	1664.0
12.5°	1732.0	1732.0	1727.0	1723.0	1725.0	1723.0	1717.0	1703.0	1694.0	1686.0	1687.0
15°	1787.0	1785.0	1778.0	1772.0	1769.0	1768.0	1764.0	1754.0	1743.0	1734.0	1737.0
17.5°	1854.0	1854.0	1840.0	1837.0	1834.0	1842.0	1833.0	1819.0	1810.0	1805.0	1805.0
20°	1935.0	1937.0	1925.0	1919.0	1920.0	1921.0	1917.0	1902.0	1891.0	1886.0	1888.0
22.5°	2026.0	2022.0	2019.0	2016.0	2022.0	2023.0	2015.0	1997.0	1990.0	1980.0	1983.0
25°	2106.0	2106.0	2107.0	2123.0	2133.0	2148.0	2136.0	2108.0	2082.0	2072.0	2071.0
27.5°	2193.0	2191.0	2203.0	2226.0	2258.0	2272.0	2257.0	2222.0	2192.0	2177.0	2170.0
30°	2336.0	2335.0	2337.0	2366.0	2401.0	2422.0	2405.0	2376.0	2349.0	2335.0	2341.0
32.5°	2548.0	2536.0	2554.1	2584.1	2612.1	2621.1	2623.1	2590.1	2556.1	2544.0	2549.0
35°	2667.1	2664.1	2684.1	2720.1	2770.1	2811.1	2779.1	2750.1	2734.1	2717.1	2713.1
37.5°	2938.1	2937.1	2953.1	2950.1	2958.1	2949.1	2964.1	2976.1	2991.1	2978.1	2981.1
40°	3267.1	3259.1	3256.1	3250.1	3228.1	3214.1	3242.1	3263.1	3281.1	3306.1	3294.1
42.5°	3612.1	3599.1	3589.1	3571.1	3548.1	3538.1	3542.1	3580.1	3596.1	3599.1	3600.1
45°	4005.1	3981.1	3939.1	3907.1	3875.1	3872.1	3870.1	3878.1	3879.1	3879.1	3895.1
47.5°	4350.1	4347.1	4287.1	4232.1	4168.1	4168.1	4146.1	4143.1	4156.1	4173.1	4164.1
50°	4643.1	4633.1	4580.1	4533.1	4499.1	4458.1	4426.1	4401.1	4419.1	4434.1	4442.1
52.5°	4880.1	4879.1	4843.1	4825.1	4812.1	4787.1	4713.1	4668.1	4672.1	4690.1	4685.1
55°	5089.1	5103.1	5105.1	5128.1	5152.1	5134.1	5063.1	4995.1	4960.1	4934.1	4933.1
57.5°	5328.1	5337.1	5365.1	5439.1	5508.1	5524.1	5452.1	5351.1	5254.1	5190.1	5166.1
60°	5577.1	5579.1	5652.1	5769.1	5895.1	5948.1	5884.1	5718.1	5542.1	5403.1	5378.1
62.5°	5801.1	5796.1	5906.1	6083.1	6295.1	6381.1	6296.1	6053.1	5749.1	5555.1	5522.1
65°	5898.1	5911.1	6056.1	6328.1	6628.1	6796.1	6686.1	6282.1	5840.1	5578.1	5538.1
67.5°	5722.1	5759.1	5991.1	6418.1	6888.1	7183.1	6990.1	6376.1	5764.1	5424.1	5371.1
69°	5470.1	5479.1	5780.1	6339.1	6958.1	7318.1	7074.1	6327.1	5611.1	5179.1	5123.1
70°	5156.1	5219.1	5575.1	6212.1	6946.1	7360.1	7073.1	6234.1	5425.1	4970.1	4871.1
72.5°	4186.1	4209.1	4715.1	5690.1	6652.1	7131.1	6735.1	5720.1	4712.1	4035.1	4009.1
75°	2804.1	2915.1	3524.1	4702.1	5810.1	6310.1	5815.1	4696.1	3533.1	2688.1	2570.1
77.5°	1454.0	1517.0	2058.0	3064.1	4224.1	4814.1	4336.1	3286.1	2176.0	1314.0	1247.0
80°	715.0	749.0	951.0	1413.0	2188.0	2653.1	2430.0	1727.0	1019.0	651.0	612.0
82.5°	402.0	415.0	528.0	658.0	912.0	1062.0	994.0	842.0	512.0	386.0	375.0
85°	209.0	220.0	329.0	406.0	454.0	459.0	458.0	452.0	323.0	236.0	225.0
87.5°	99.0	109.0	169.0	223.0	235.0	227.0	241.0	209.0	153.0	107.0	94.0
90°	0.0	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

McGraw-Edison

Report Number: SP2-2501-321-5

Test Date: 04/10/2025

Luminaire Tested: GKO-PB1E-750-U-T4W

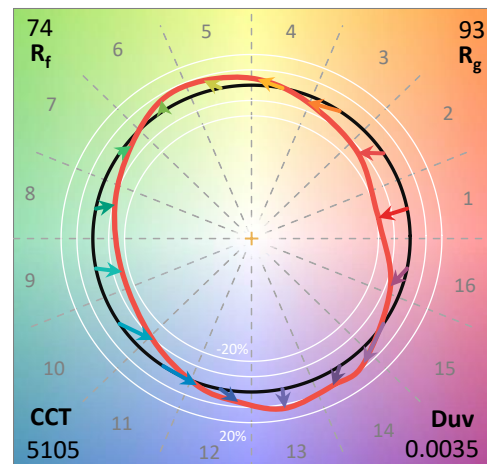
Data in this report applies to families of products including GKO-PB1E-750-U-T4W

Test Information

Test Method: LM-79-2019
 Report Number: SP2-2501-321-5
 Test Lab: COOPER LIGHTING SOLUTIONS
 Photometer: SP2 - 165CM SPHERE
 Measurement Geometry: 4π
 Issue Date: 04/10/2025
 Manufacturer: COOPER LIGHTING SOLUTIONS
 Product Line: McGraw-Edison
 Catalog Number: **GKO-PB1E-750-U-T4W**
 Description: Gekko Wedge Wall Pack Fixture 1 SQ w/ T4W distribution

Spectral Parameters

CCT (K):	5105	CRI (Ra):	72.2		
CIE u':	0.2079	R1:	68.8	R9:	-38.2
CIE v':	0.4868	R2:	78.3	R10:	48.2
Duv:	0.0035	R3:	84.9	R11:	68.1
CIE x:	0.3428	R4:	71.7	R12:	42.9
CIE y:	0.3567	R5:	69.8	R13:	70.6
CIE z:	0.3005	R6:	69.8	R14:	91.6
Peak Wavelength (nm):	451	R7:	81.2	R15:	61.7
Dominant Wavelength (nm):	567	R8:	53.5		
Purity:	9.884628				
Rf:	74.2				
Rg:	92.7				



Test Conditions

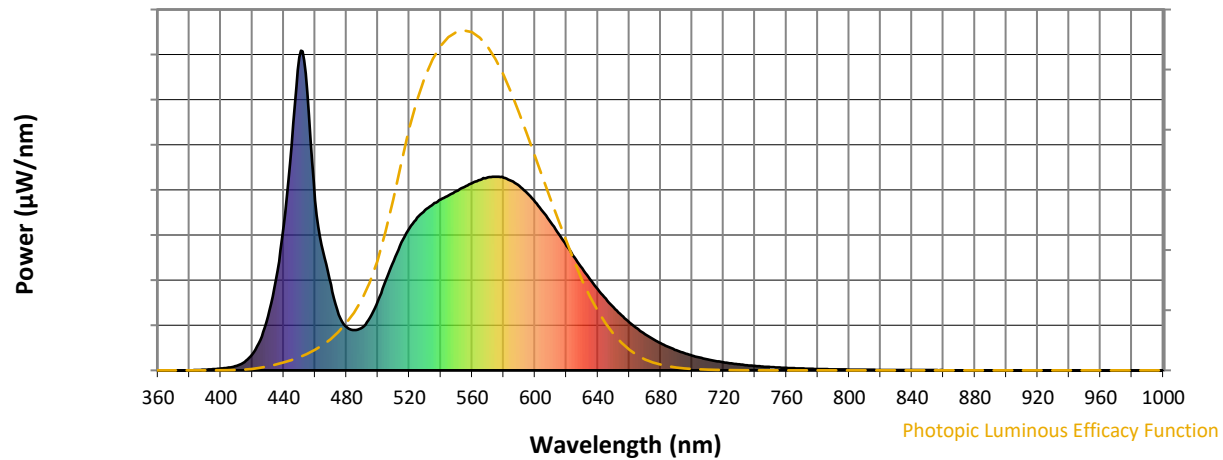
Stabilization Time: 30M
 Operation Time: 1H 30M
 Sphere Temperature (°C): 25.0

REPORT NUMBER: SP2-2501-321-5

Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN2187	1/6/2025	7/6/2025
Power Meter	INXT2011002	1/21/2025	1/21/2026
AC Power Source	IN0458	10/22/2024	10/22/2025
DC Power Source	IN0212	10/22/2024	10/22/2025
Sphere Thermometer	IN4036B	10/22/2024	10/22/2025
Room Thermometer	IN0046	10/22/2024	10/22/2025

REPORT NUMBER: SP2-2501-321-5

Photopic Flux vs. Wavelength

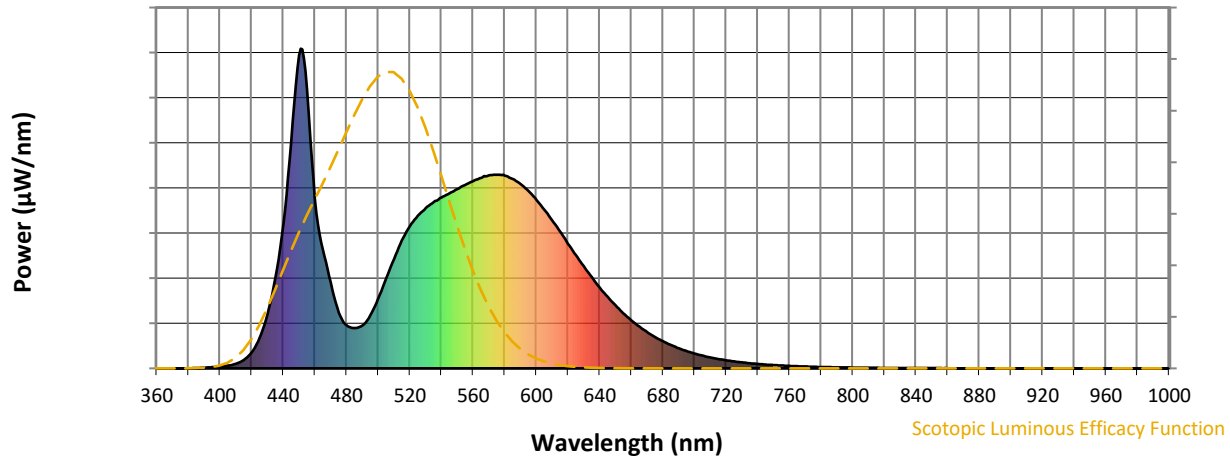


Photopic Lumens: NR

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	134	NR	620	390	NR	750	10	NR	880	0	NR
365	0	NR	495	165	NR	625	354	NR	755	9	NR	885	0	NR
370	0	NR	500	218	NR	630	319	NR	760	8	NR	890	0	NR
375	0	NR	505	281	NR	635	285	NR	765	7	NR	895	0	NR
380	0	NR	510	343	NR	640	254	NR	770	6	NR	900	0	NR
385	1	NR	515	400	NR	645	224	NR	775	5	NR	905	0	NR
390	2	NR	520	444	NR	650	197	NR	780	4	NR	910	0	NR
395	4	NR	525	477	NR	655	173	NR	785	4	NR	915	0	NR
400	6	NR	530	501	NR	660	150	NR	790	3	NR	920	0	NR
405	9	NR	535	520	NR	665	131	NR	795	3	NR	925	0	NR
410	14	NR	540	534	NR	670	113	NR	800	2	NR	930	0	NR
415	26	NR	545	547	NR	675	98	NR	805	2	NR	935	0	NR
420	50	NR	550	561	NR	680	85	NR	810	2	NR	940	0	NR
425	95	NR	555	574	NR	685	73	NR	815	2	NR	945	0	NR
430	168	NR	560	586	NR	690	63	NR	820	1	NR	950	0	NR
435	284	NR	565	596	NR	695	54	NR	825	1	NR	955	0	NR
440	452	NR	570	604	NR	700	46	NR	830	1	NR	960	0	NR
445	705	NR	575	606	NR	705	40	NR	835	1	NR	965	0	NR
450	980	NR	580	603	NR	710	34	NR	840	1	NR	970	0	NR
455	869	NR	585	592	NR	715	29	NR	845	1	NR	975	0	NR
460	531	NR	590	577	NR	720	25	NR	850	1	NR	980	0	NR
465	372	NR	595	554	NR	725	22	NR	855	1	NR	985	0	NR
470	268	NR	600	527	NR	730	19	NR	860	1	NR	990	0	NR
475	174	NR	605	497	NR	735	16	NR	865	0	NR	995	0	NR
480	135	NR	610	462	NR	740	14	NR	870	0	NR	1000	0	NR
485	126	NR	615	428	NR	745	12	NR	875	0	NR			

REPORT NUMBER: SP2-2501-321-5

Scotopic Flux vs. Wavelength



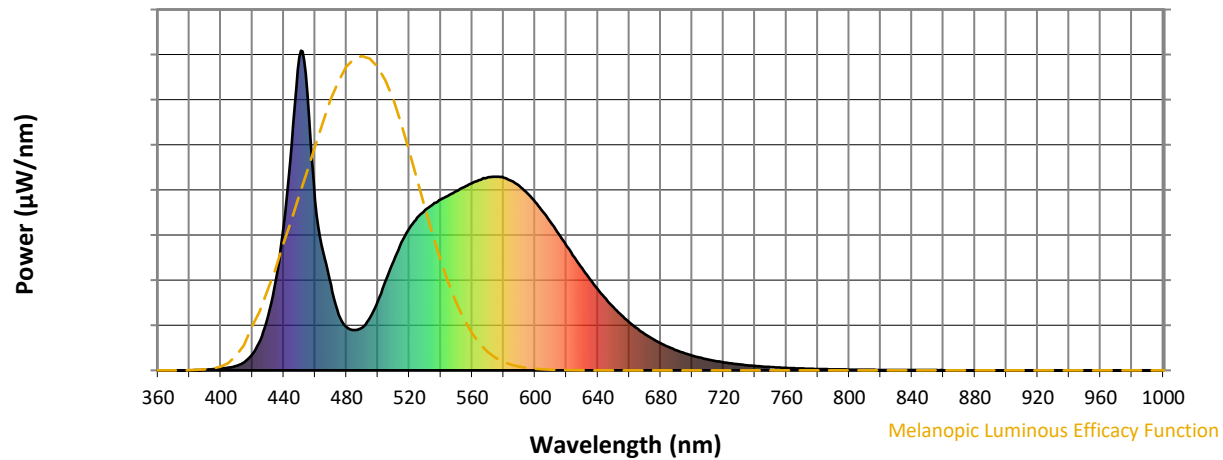
Scotopic Lumens: NR

S/P: 1.82

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	134	NR	620	390	NR	750	10	NR	880	0	NR
365	0	NR	495	165	NR	625	354	NR	755	9	NR	885	0	NR
370	0	NR	500	218	NR	630	319	NR	760	8	NR	890	0	NR
375	0	NR	505	281	NR	635	285	NR	765	7	NR	895	0	NR
380	0	NR	510	343	NR	640	254	NR	770	6	NR	900	0	NR
385	1	NR	515	400	NR	645	224	NR	775	5	NR	905	0	NR
390	2	NR	520	444	NR	650	197	NR	780	4	NR	910	0	NR
395	4	NR	525	477	NR	655	173	NR	785	4	NR	915	0	NR
400	6	NR	530	501	NR	660	150	NR	790	3	NR	920	0	NR
405	9	NR	535	520	NR	665	131	NR	795	3	NR	925	0	NR
410	14	NR	540	534	NR	670	113	NR	800	2	NR	930	0	NR
415	26	NR	545	547	NR	675	98	NR	805	2	NR	935	0	NR
420	50	NR	550	561	NR	680	85	NR	810	2	NR	940	0	NR
425	95	NR	555	574	NR	685	73	NR	815	2	NR	945	0	NR
430	168	NR	560	586	NR	690	63	NR	820	1	NR	950	0	NR
435	284	NR	565	596	NR	695	54	NR	825	1	NR	955	0	NR
440	452	NR	570	604	NR	700	46	NR	830	1	NR	960	0	NR
445	705	NR	575	606	NR	705	40	NR	835	1	NR	965	0	NR
450	980	NR	580	603	NR	710	34	NR	840	1	NR	970	0	NR
455	869	NR	585	592	NR	715	29	NR	845	1	NR	975	0	NR
460	531	NR	590	577	NR	720	25	NR	850	1	NR	980	0	NR
465	372	NR	595	554	NR	725	22	NR	855	1	NR	985	0	NR
470	268	NR	600	527	NR	730	19	NR	860	1	NR	990	0	NR
475	174	NR	605	497	NR	735	16	NR	865	0	NR	995	0	NR
480	135	NR	610	462	NR	740	14	NR	870	0	NR	1000	0	NR
485	126	NR	615	428	NR	745	12	NR	875	0	NR			

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Melanopic Flux vs. Wavelength


Melanopic Lumens: NR
M/P: 3.75

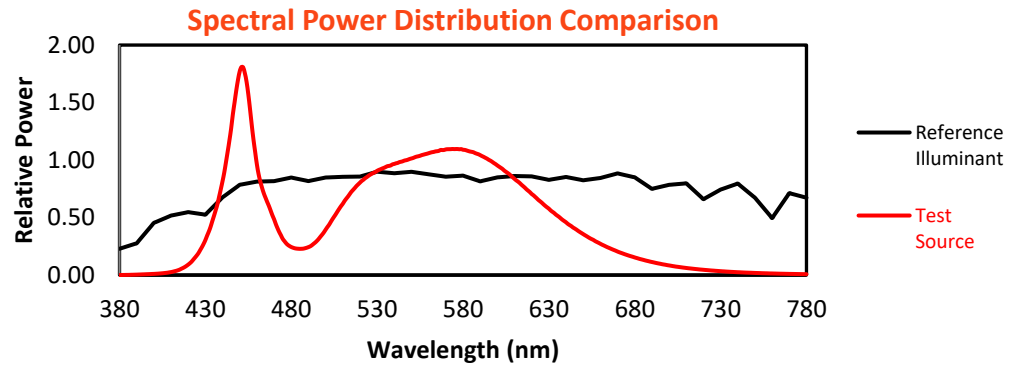
λ (nm)	Power $\text{W}^\wedge/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^\wedge/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^\wedge/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^\wedge/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^\wedge/\text{nm}$	Lumens (ϕ/nm)
360	0	NR	490	134	NR	620	390	NR	750	10	NR	880	0	NR
365	0	NR	495	165	NR	625	354	NR	755	9	NR	885	0	NR
370	0	NR	500	218	NR	630	319	NR	760	8	NR	890	0	NR
375	0	NR	505	281	NR	635	285	NR	765	7	NR	895	0	NR
380	0	NR	510	343	NR	640	254	NR	770	6	NR	900	0	NR
385	1	NR	515	400	NR	645	224	NR	775	5	NR	905	0	NR
390	2	NR	520	444	NR	650	197	NR	780	4	NR	910	0	NR
395	4	NR	525	477	NR	655	173	NR	785	4	NR	915	0	NR
400	6	NR	530	501	NR	660	150	NR	790	3	NR	920	0	NR
405	9	NR	535	520	NR	665	131	NR	795	3	NR	925	0	NR
410	14	NR	540	534	NR	670	113	NR	800	2	NR	930	0	NR
415	26	NR	545	547	NR	675	98	NR	805	2	NR	935	0	NR
420	50	NR	550	561	NR	680	85	NR	810	2	NR	940	0	NR
425	95	NR	555	574	NR	685	73	NR	815	2	NR	945	0	NR
430	168	NR	560	586	NR	690	63	NR	820	1	NR	950	0	NR
435	284	NR	565	596	NR	695	54	NR	825	1	NR	955	0	NR
440	452	NR	570	604	NR	700	46	NR	830	1	NR	960	0	NR
445	705	NR	575	606	NR	705	40	NR	835	1	NR	965	0	NR
450	980	NR	580	603	NR	710	34	NR	840	1	NR	970	0	NR
455	869	NR	585	592	NR	715	29	NR	845	1	NR	975	0	NR
460	531	NR	590	577	NR	720	25	NR	850	1	NR	980	0	NR
465	372	NR	595	554	NR	725	22	NR	855	1	NR	985	0	NR
470	268	NR	600	527	NR	730	19	NR	860	1	NR	990	0	NR
475	174	NR	605	497	NR	735	16	NR	865	0	NR	995	0	NR
480	135	NR	610	462	NR	740	14	NR	870	0	NR	1000	0	NR
485	126	NR	615	428	NR	745	12	NR	875	0	NR			

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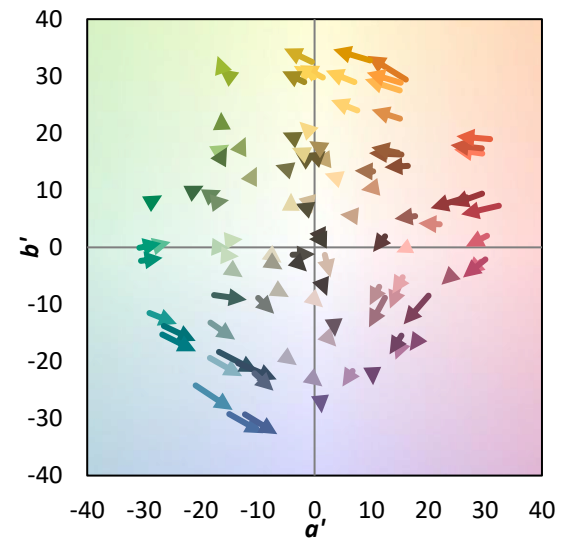
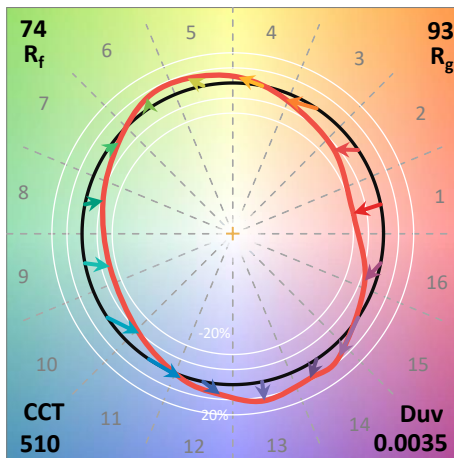
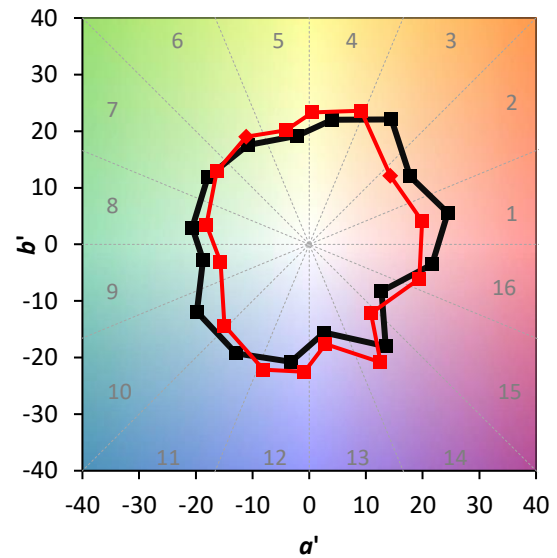
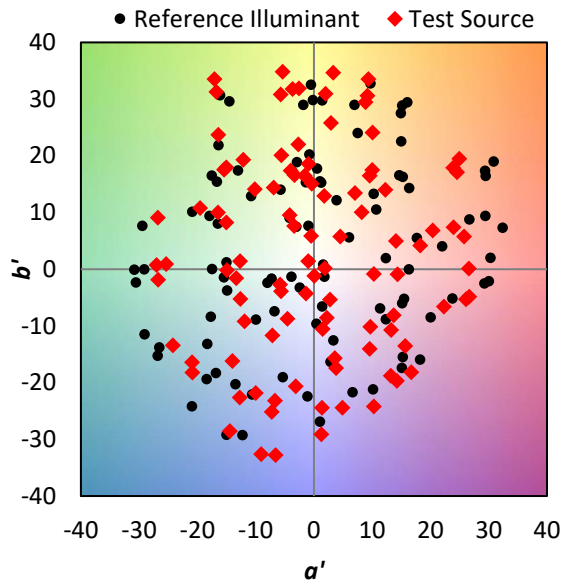
TM-30-18

Summary

$R_f = 74.2$
 $R_g = 92.7$
 $\text{CIE } R_a = 72.2$
 $R_g = -38.2$

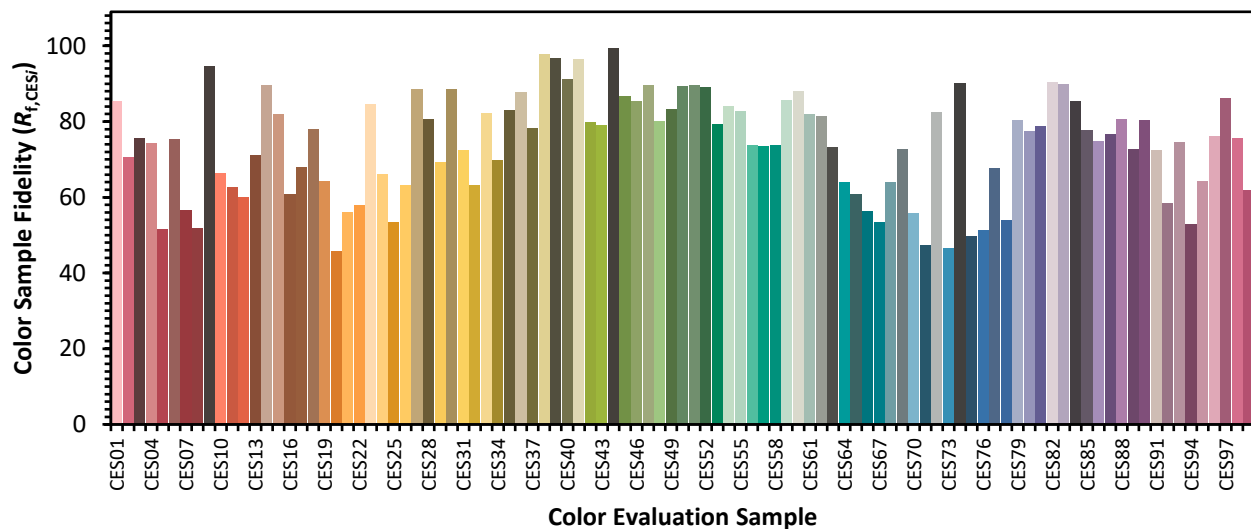


Color Vector Graphics

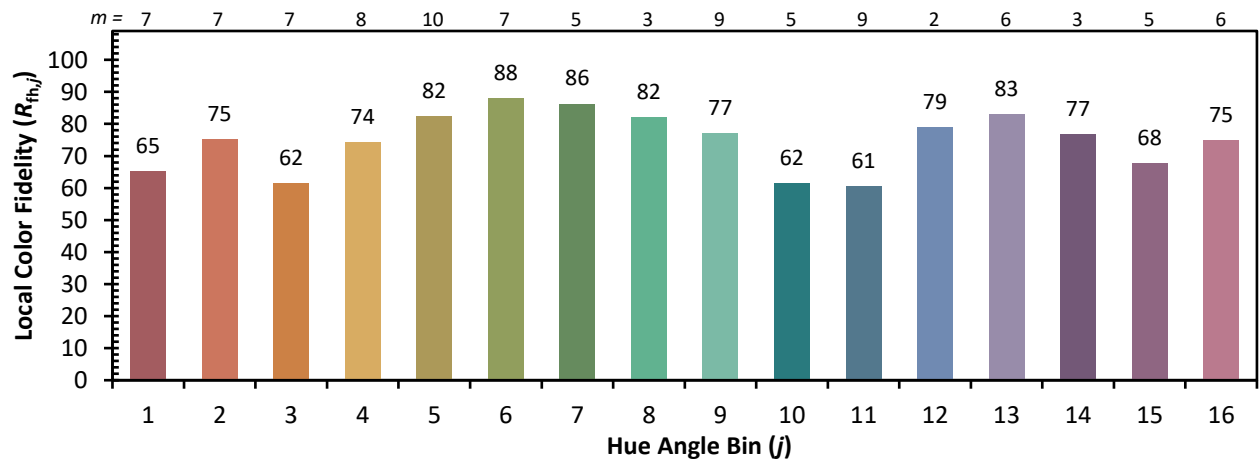
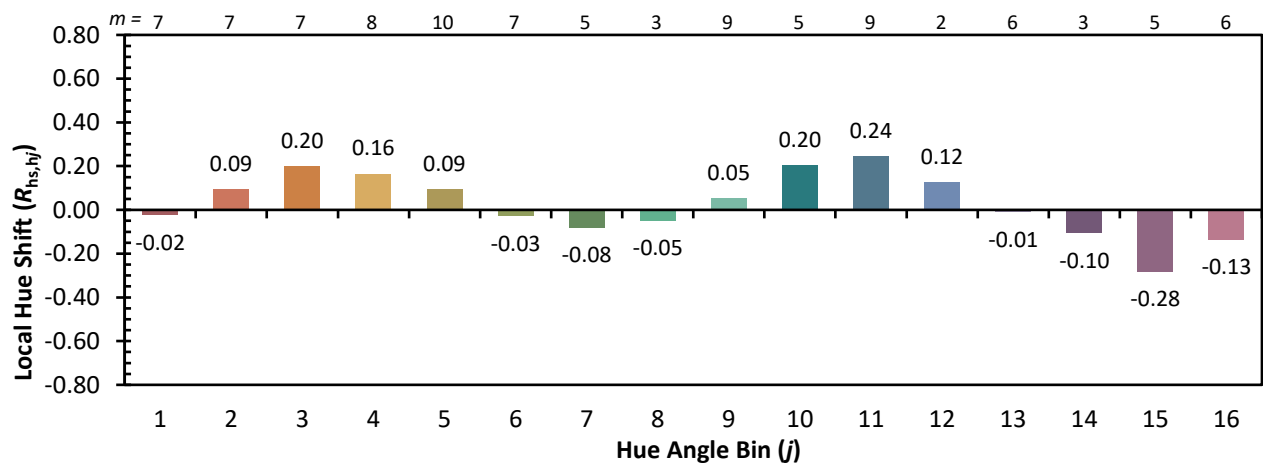
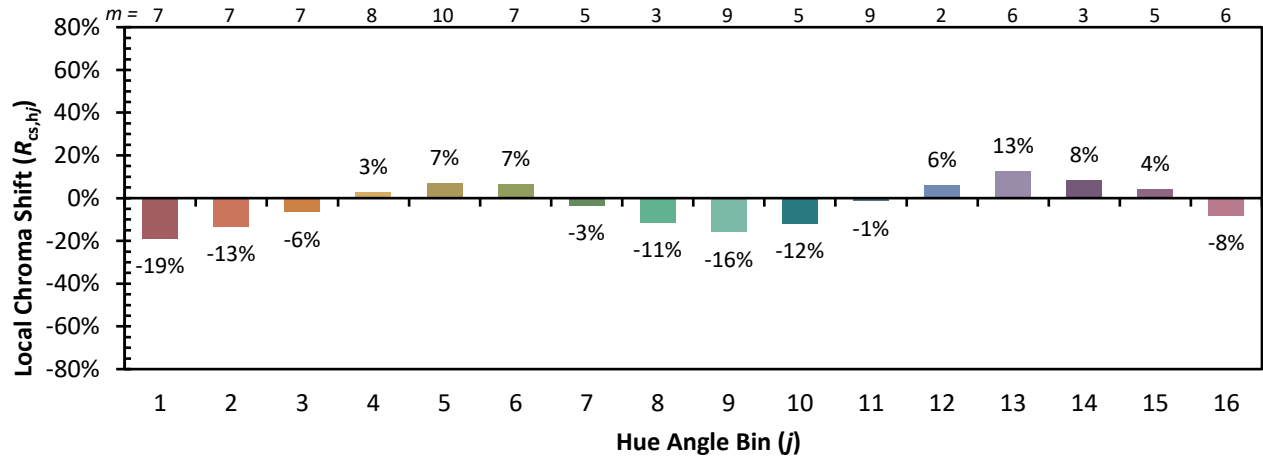


Individual Sample Fidelity Index ($R_{f,i}$)

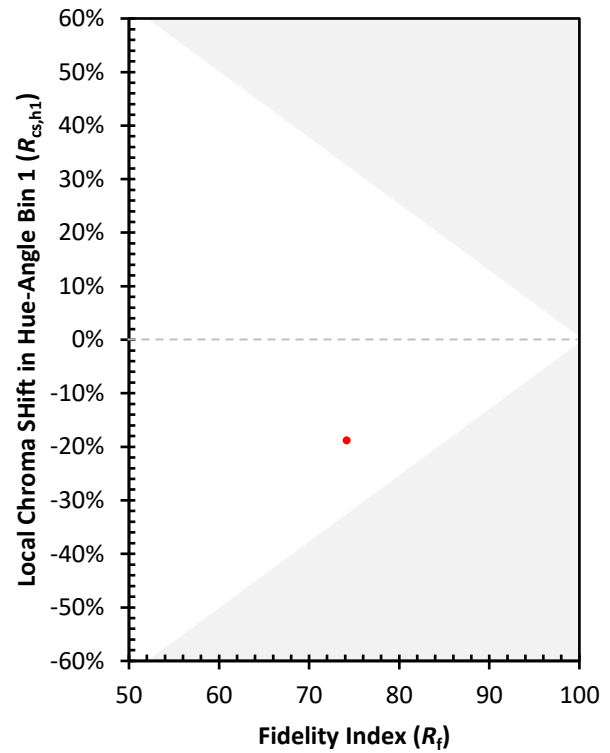
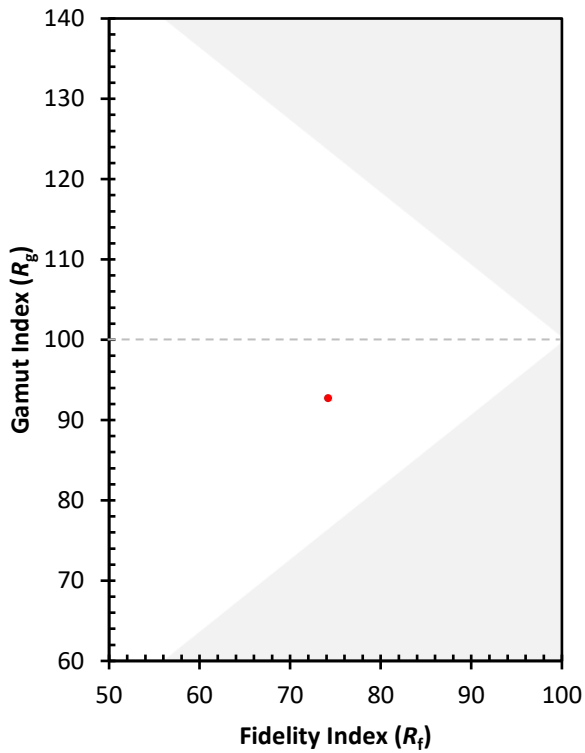
CES01 = 85	CES26 = 63	CES51 = 89	CES76 = 51
CES02 = 59	CES27 = 89	CES52 = 89	CES77 = 68
CES03 = 30	CES28 = 81	CES53 = 79	CES78 = 54
CES04 = 69	CES29 = 69	CES54 = 84	CES79 = 80
CES05 = 46	CES30 = 88	CES55 = 83	CES80 = 77
CES06 = 50	CES31 = 72	CES56 = 74	CES81 = 79
CES07 = 38	CES32 = 63	CES57 = 73	CES82 = 91
CES08 = 38	CES33 = 82	CES58 = 74	CES83 = 90
CES09 = 29	CES34 = 70	CES59 = 86	CES84 = 85
CES10 = 72	CES35 = 83	CES60 = 88	CES85 = 78
CES11 = 56	CES36 = 88	CES61 = 82	CES86 = 75
CES12 = 61	CES37 = 78	CES62 = 81	CES87 = 77
CES13 = 41	CES38 = 98	CES63 = 73	CES88 = 81
CES14 = 74	CES39 = 97	CES64 = 64	CES89 = 73
CES15 = 70	CES40 = 91	CES65 = 61	CES90 = 80
CES16 = 46	CES41 = 96	CES66 = 56	CES91 = 72
CES17 = 49	CES42 = 80	CES67 = 54	CES92 = 58
CES18 = 55	CES43 = 79	CES68 = 64	CES93 = 75
CES19 = 71	CES44 = 99	CES69 = 73	CES94 = 53
CES20 = 63	CES45 = 87	CES70 = 56	CES95 = 64
CES21 = 85	CES46 = 85	CES71 = 47	CES96 = 76
CES22 = 77	CES47 = 90	CES72 = 82	CES97 = 86
CES23 = 91	CES48 = 80	CES73 = 47	CES98 = 76
CES24 = 90	CES49 = 83	CES74 = 90	CES99 = 62
CES25 = 71	CES50 = 89	CES75 = 50	



Color Rendition by Hue-Angle Bin



Measure Comparisons



(END OF REPORT)