

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: P1461795

Luminaire Tested: USSL-110-740-U-T4RE-HSS

Issue Date: 06/10/2026

Test Information

Test Method: LM-79-2024
Report Number: P1461795
Test Lab: INNOVATION CENTER(G3)
Issue Date: 6/11/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: STREETWORKS
Catalog Number: USSL-110-740-U-T4RE-HSS
Description: USSL DISCRETE LED 1 SQUARE 110W 70CRI 4000K FIXTURE w/ TYPE IV ROADWAY
ILLUMINANCE DISTRIBUTION OPTIC AND HOUSE SIDE SHIELD
Light Source: (40) 4000K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 11392.9 lumens
Efficiency: N/A
Efficacy: 102.6 lumens/watt
Luminous Opening: Rectangular (W 0.67' x L: 0.67' x H: 0')
IES Classification: Type III - Short
BUG Rating: B1 - U0 - G2

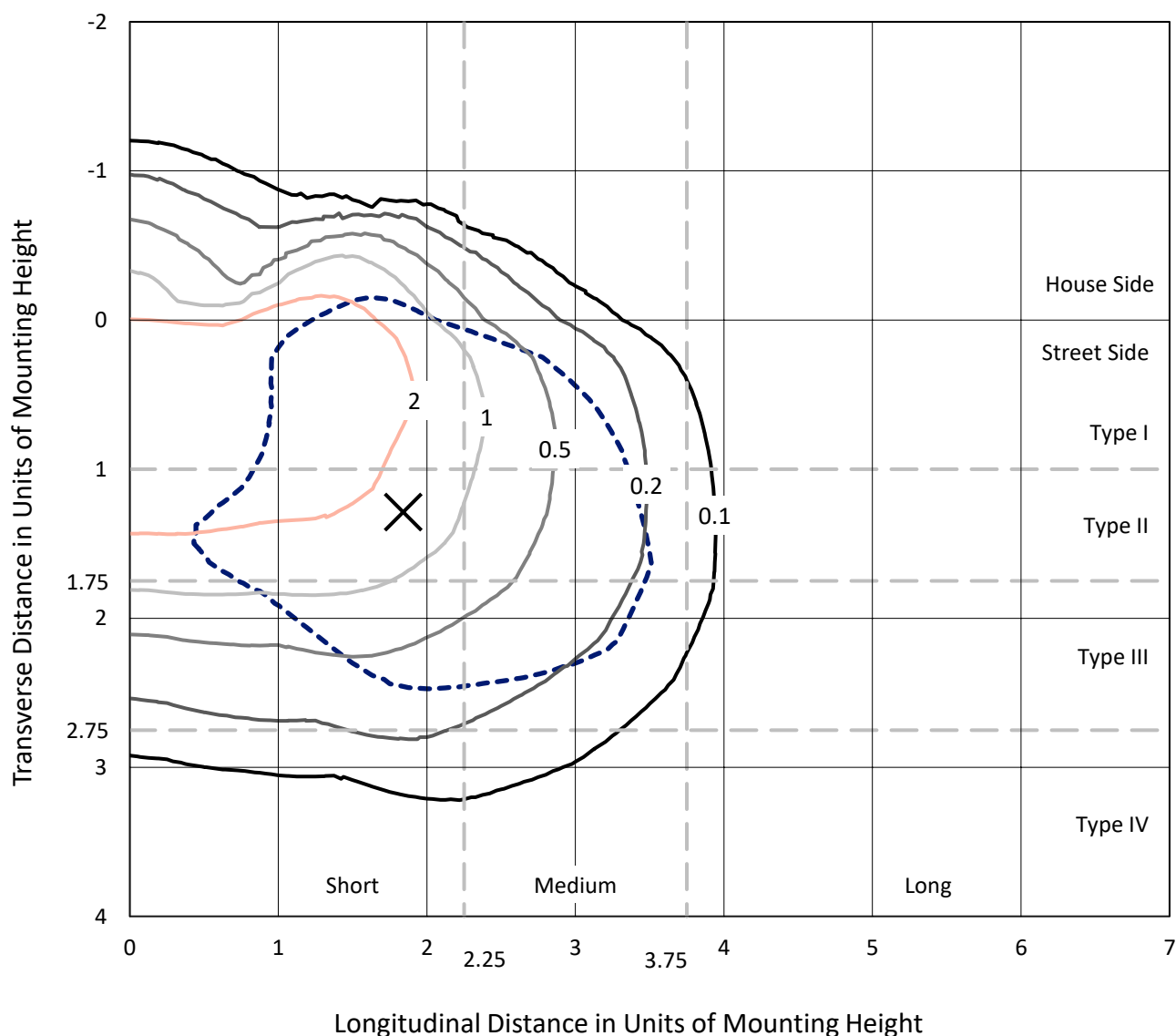
Input Watts (W): 111
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: 0.98
Total Harmonic Distortion (THDi): 2.87%
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT

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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

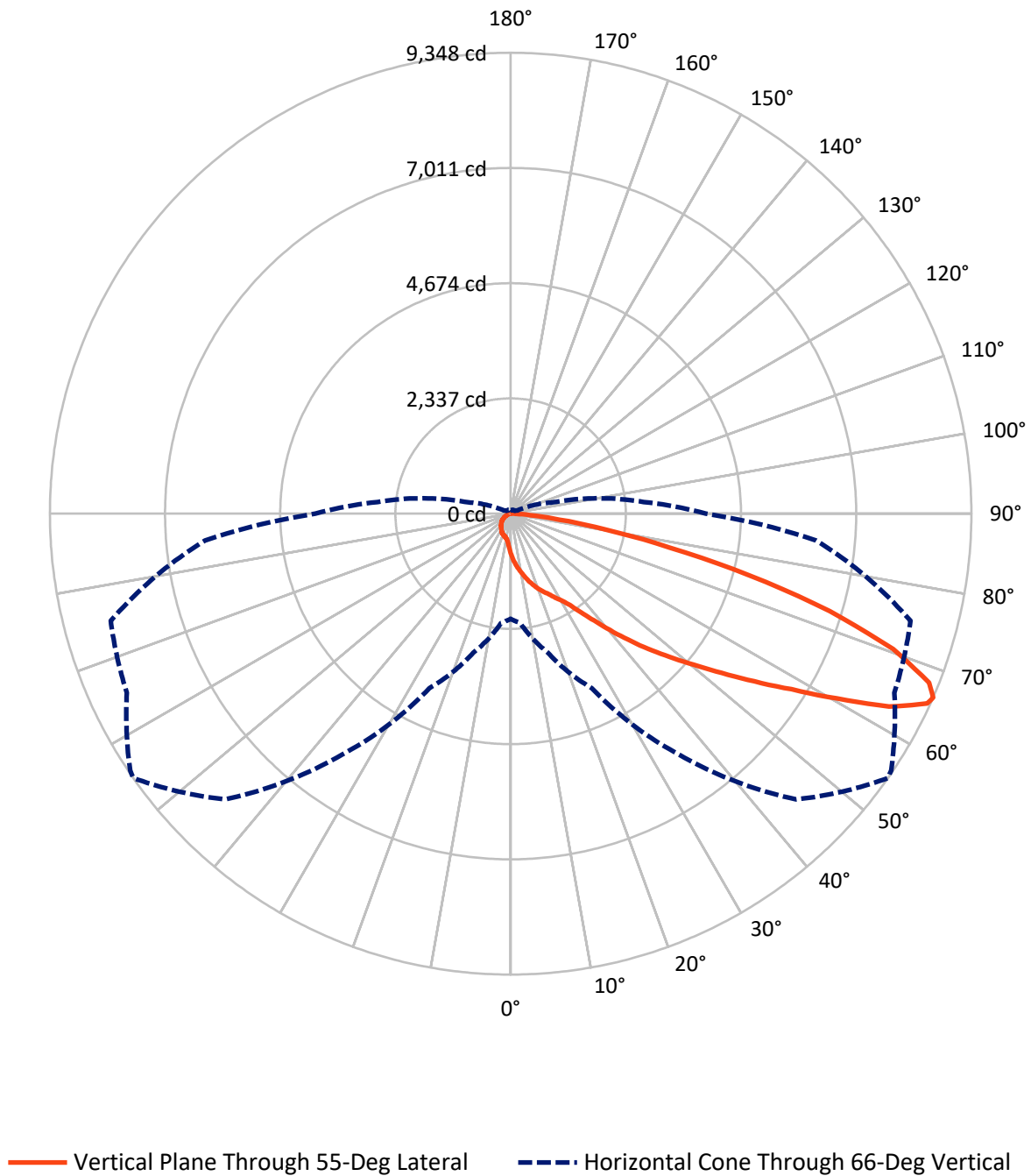


Based on 20 foot mounting height. Maximum calculated value = 4.2 fc
 Type III - Short - N/A

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Luminous Intensity Polar Plot



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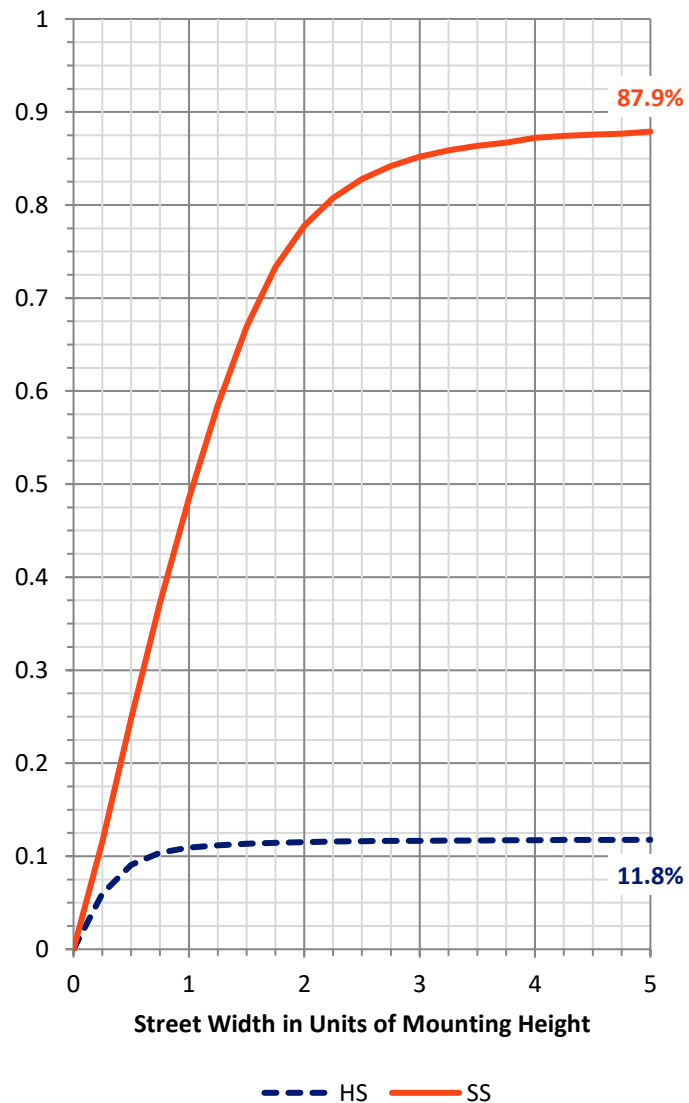
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1352.8	0.0	1352.8
	% Fixture	11.9	0.0	11.9
Street Side	Lumens	10040.1	0.0	10040.1
	% Fixture	88.1	0.0	88.1
Total	Lumens	11392.9	0.0	11392.9
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	81.1	0.7
10°-20°	273.2	2.4
20°-30°	506.3	4.4
30°-40°	880.4	7.7
40°-50°	1702.6	14.9
50°-60°	2913.4	25.6
60°-70°	3304.9	29.0
70°-80°	1577.9	13.9
80°-90°	153.0	1.3
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°	11392.9	100.0
0°-180°	11392.9	100.0

Coefficient of Utilization



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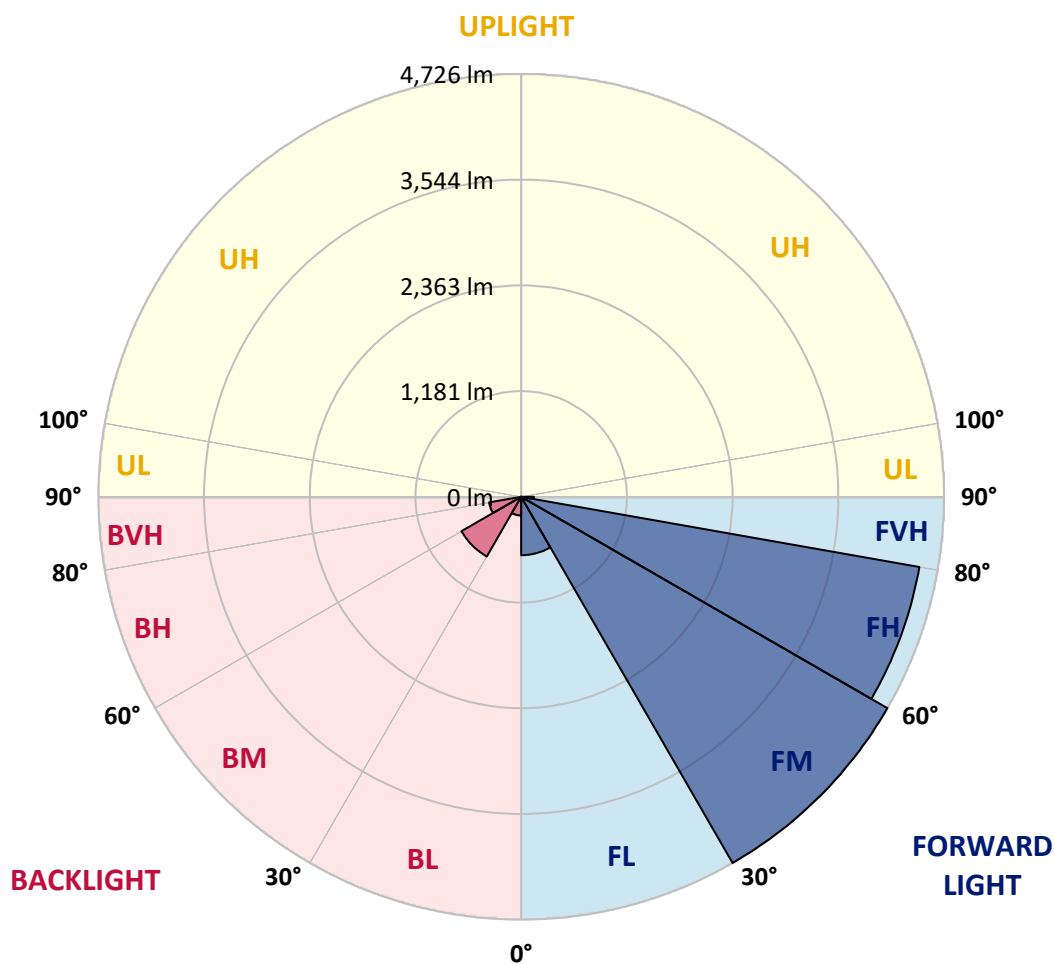
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	652.2	5.7			
FM	(30°-60°)	4725.8	41.5			
FH	(60°-80°)	4519.0	39.7			G2/5000
FVH	(80°-90°)	143.2	1.3			G2/225
BL	(0°-30°)	208.5	1.8	B1/500		
BM	(30°-60°)	770.6	6.8	B1/1000		
BH	(60°-80°)	363.8	3.2	B1/500		G1/500
BVH	(80°-90°)	9.9	0.1			G0/10
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G2

Type III Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	56°	65°	75°	85°
0°	814.6	814.6	814.6	814.6	814.6	814.6	814.6	814.6	814.6	814.6	814.6
2.5°	985.8	996.9	988.2	979.4	968.3	945.4	926.3	921.6	898.6	867.7	833.6
5°	1147.4	1149.8	1140.3	1118.9	1100.7	1060.3	1023.8	1020.6	974.7	915.3	851.9
7.5°	1289.3	1290.1	1274.2	1255.2	1220.3	1177.5	1122.9	1112.6	1047.6	966.8	870.9
10°	1421.6	1420.0	1408.9	1386.7	1346.3	1286.1	1218.8	1211.6	1126.0	1020.6	896.2
12.5°	1518.3	1515.1	1511.2	1488.2	1455.7	1401.0	1322.6	1310.7	1214.0	1077.7	921.6
15°	1584.9	1581.7	1580.9	1570.6	1546.8	1509.6	1430.3	1421.6	1309.1	1152.2	953.3
17.5°	1628.4	1628.4	1630.0	1626.9	1615.8	1588.0	1531.0	1526.2	1415.3	1225.1	992.1
20°	1677.6	1675.2	1680.7	1682.3	1676.0	1662.5	1632.4	1625.3	1522.3	1321.8	1036.5
22.5°	1741.8	1739.4	1741.8	1745.7	1745.7	1737.0	1721.2	1717.2	1646.7	1434.3	1092.8
25°	1820.2	1817.8	1820.2	1824.2	1825.0	1829.7	1813.1	1813.9	1764.7	1554.7	1161.7
27.5°	1918.5	1918.5	1916.1	1917.7	1925.6	1931.9	1928.8	1927.2	1882.0	1702.9	1241.7
30°	2033.4	2029.4	2033.4	2030.2	2035.7	2040.5	2041.3	2044.5	2019.9	1856.7	1355.1
32.5°	2151.4	2150.7	2168.1	2175.2	2177.6	2196.6	2208.5	2219.6	2210.9	2066.7	1515.9
35°	2307.6	2304.4	2321.8	2345.6	2367.0	2397.1	2460.5	2450.2	2500.1	2436.7	1783.0
37.5°	2501.7	2495.4	2518.3	2549.2	2586.5	2645.9	2747.3	2751.3	2882.1	2958.1	2270.3
40°	2778.3	2768.0	2771.9	2844.8	2888.4	2957.3	3104.7	3111.1	3354.3	3555.6	2854.3
42.5°	3052.4	3045.3	3063.5	3076.2	3126.1	3286.2	3491.4	3493.8	3857.5	4167.4	3517.6
45°	3361.5	3355.9	3354.3	3357.5	3370.2	3577.8	3908.3	3937.6	4351.2	4787.9	4208.6
47.5°	3695.9	3672.9	3682.4	3675.3	3682.4	3903.5	4337.0	4345.7	4873.4	5370.3	4873.4
50°	3992.3	3991.5	4006.5	4021.6	4045.3	4323.5	4815.6	4879.0	5341.8	5946.4	5520.8
52.5°	4226.8	4226.0	4319.5	4381.3	4447.9	4814.0	5363.2	5408.3	5879.8	6549.4	6189.7
55°	4297.3	4318.7	4554.1	4779.9	4942.4	5411.5	6002.6	6020.9	6439.3	7226.9	6824.4
57.5°	4152.3	4195.1	4600.0	5036.7	5505.0	6191.2	6720.6	6699.2	7072.4	7995.6	7307.8
60°	3768.8	3825.1	4409.9	5091.4	5966.2	7072.4	7607.3	7597.0	7850.6	8658.1	7432.2
62.5°	3153.9	3237.9	3936.8	4805.3	6225.3	7849.8	8616.1	8572.5	8475.8	8907.7	7135.8
65°	2425.6	2493.8	3231.5	4190.4	6102.5	8239.7	9284.1	9260.3	8666.8	8604.2	6528.8
66°	2133.2	2225.1	2918.5	3905.9	5969.4	8195.3	9347.5	9311.8	8591.5	8398.2	6222.1
67.5°	1770.3	1868.5	2509.6	3452.6	5682.5	7877.5	9153.3	9166.0	8354.6	7964.7	5658.7
70°	1371.7	1458.9	2019.1	2812.3	5081.8	6776.1	8231.0	8302.3	7664.4	6914.7	4728.4
72.5°	910.5	988.2	1355.8	2043.7	4231.6	5330.7	6772.9	6894.9	6729.3	5542.2	3651.5
75°	489.7	528.5	740.1	1203.7	3033.4	3962.9	5012.1	5137.3	5054.9	3763.2	2287.7
77.5°	310.6	300.3	336.0	543.6	1720.4	2845.6	3290.2	3399.5	3103.1	1925.6	1035.7
80°	224.3	205.2	210.8	279.7	718.7	1817.0	1931.1	1886.0	1504.0	676.7	317.8
82.5°	156.9	148.2	144.2	168.0	266.3	936.7	997.7	938.2	529.3	212.4	103.8
85°	102.2	95.1	92.7	101.4	115.7	408.1	399.4	382.0	193.4	95.1	58.6
87.5°	53.1	53.1	53.1	58.6	59.4	140.3	120.4	116.5	64.2	38.0	27.7
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):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	814.6	814.6	814.6	814.6	814.6	814.6	814.6	814.6	814.6	814.6	814.6
2.5°	817.0	799.6	769.4	734.6	703.7	682.3	660.1	644.2	636.3	633.2	632.4
5°	817.8	782.9	717.1	657.7	611.0	584.8	565.0	550.7	544.4	539.6	540.4
7.5°	820.2	767.9	670.4	595.9	546.8	524.6	515.1	512.7	513.5	514.3	512.7
10°	823.3	753.6	626.8	546.8	510.3	499.2	500.0	504.0	505.6	507.2	506.4
12.5°	831.3	739.3	589.6	511.1	490.5	488.9	490.5	494.5	496.9	498.4	499.2
15°	840.8	728.2	554.7	488.1	477.8	477.8	478.6	482.6	485.8	488.1	488.1
17.5°	853.4	716.4	523.0	471.5	466.7	465.2	465.2	469.1	471.5	474.7	473.9
20°	870.9	705.3	495.3	458.0	452.5	450.9	450.9	453.3	457.2	459.6	458.0
22.5°	896.2	698.1	472.3	445.3	438.2	435.0	434.3	436.6	439.8	443.8	444.6
25°	928.7	693.4	452.5	428.7	420.8	417.6	416.0	417.6	421.6	426.3	426.3
27.5°	971.5	697.3	434.3	412.1	401.0	395.4	393.8	396.2	402.6	408.9	408.9
30°	1032.5	714.0	419.2	393.0	378.0	369.3	365.3	368.5	378.0	388.3	389.9
32.5°	1122.1	748.8	410.5	378.0	358.2	343.1	332.8	337.6	349.5	363.7	365.3
35°	1300.4	826.5	404.9	364.5	337.6	317.8	304.3	302.7	319.3	336.0	341.5
37.5°	1658.6	1042.0	404.9	349.5	319.3	294.0	274.2	270.2	286.1	306.7	310.6
40°	2130.8	1387.5	470.7	336.0	301.9	271.0	245.7	240.1	250.4	272.6	277.3
42.5°	2664.9	1821.0	624.4	327.3	284.5	249.6	221.9	214.7	222.7	237.7	241.7
45°	3281.4	2321.8	888.3	335.2	267.8	227.4	199.7	191.0	197.3	203.7	205.2
47.5°	3874.2	2838.5	1250.5	366.9	252.0	206.8	179.1	173.5	174.3	175.1	174.3
50°	4456.6	3367.8	1695.8	436.6	233.8	187.8	163.2	155.3	154.5	152.1	151.4
52.5°	5039.1	3915.4	2164.1	512.7	215.5	170.4	149.0	140.3	136.3	133.9	135.5
55°	5583.4	4451.1	2602.3	539.6	195.7	154.5	135.5	125.2	120.4	117.3	118.1
57.5°	5847.3	4755.4	2790.9	488.1	174.3	140.3	122.8	111.7	107.0	104.6	104.6
60°	5741.9	4615.1	2504.9	349.5	154.5	125.2	110.1	99.8	95.9	93.5	93.5
62.5°	5158.7	3958.2	1845.6	232.2	133.1	110.1	98.3	90.3	86.4	84.8	84.8
65°	4330.6	3088.9	1107.8	168.0	113.3	98.3	90.3	82.4	78.5	75.3	75.3
66°	3956.6	2710.9	878.0	152.9	106.2	93.5	87.2	80.0	74.5	71.3	71.3
67.5°	3366.2	2193.4	567.4	133.9	95.9	88.0	82.4	75.3	69.7	65.0	65.0
70°	2556.4	1489.8	256.0	106.2	82.4	80.0	73.7	65.0	61.0	57.1	56.3
72.5°	1842.4	956.5	129.2	83.2	69.7	70.5	61.0	56.3	50.7	46.8	46.8
75°	1171.2	517.5	81.6	64.2	59.4	60.2	50.7	46.0	42.0	38.8	39.6
77.5°	500.8	201.3	59.4	49.9	49.9	50.7	42.8	38.0	35.7	32.5	32.5
80°	157.7	86.4	42.8	38.0	40.4	42.0	35.7	33.3	29.3	23.0	23.8
82.5°	74.5	49.9	29.3	28.5	29.3	33.3	27.7	24.6	21.4	9.5	7.1
85°	48.3	25.4	15.8	15.1	16.6	19.8	19.0	13.5	9.5	3.2	3.2
87.5°	21.4	10.3	6.3	6.3	6.3	7.1	6.3	4.8	4.0	1.6	1.6
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: SP2-2501-321-1

Test Date: 04/09/2025

Luminaire Tested: GKO-PB1E-740-U-T4W

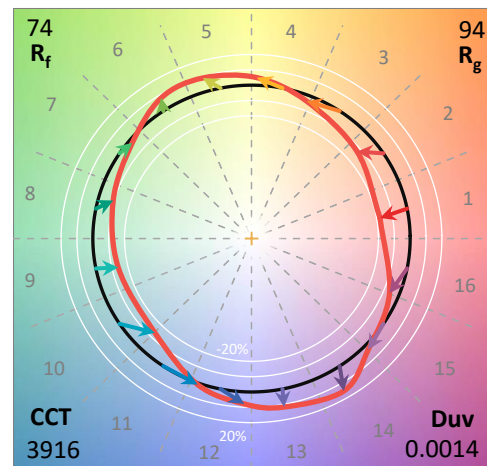
Data in this report applies to families of products including GKO-PB1E-740-U-T4W

Test Information

Test Method: LM-79-2019
 Report Number: SP2-2501-321-1
 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-740-U-T4W**
 Description: Gekko Wedge Wall Pack Fixture 1 SQ w/ T4W distribution

Spectral Parameters

CCT (K):	3916	CRI (Ra):	71.0		
CIE u':	0.2259	R1:	67.4	R9:	-37.9
CIE v':	0.5049	R2:	78.3	R10:	48.9
Duv:	0.0014	R3:	87.2	R11:	64.6
CIE x:	0.3853	R4:	69.5	R12:	40.9
CIE y:	0.3827	R5:	67.2	R13:	69.2
CIE z:	0.2321	R6:	69.3	R14:	92.7
Peak Wavelength (nm):	449	R7:	79.9	R15:	59.8
Dominant Wavelength (nm):	578	R8:	48.9		
Purity:	30.46652				
Rf:	73.5				
Rg:	93.5				



Test Conditions

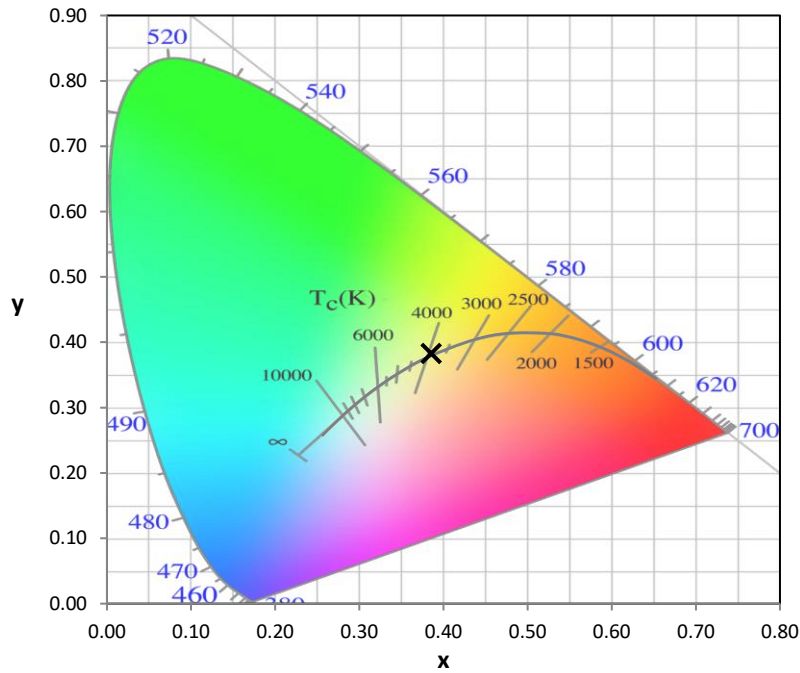
Stabilization Time: 33M
 Operation Time: 1H 33M
 Sphere Temperature (°C): 25.0

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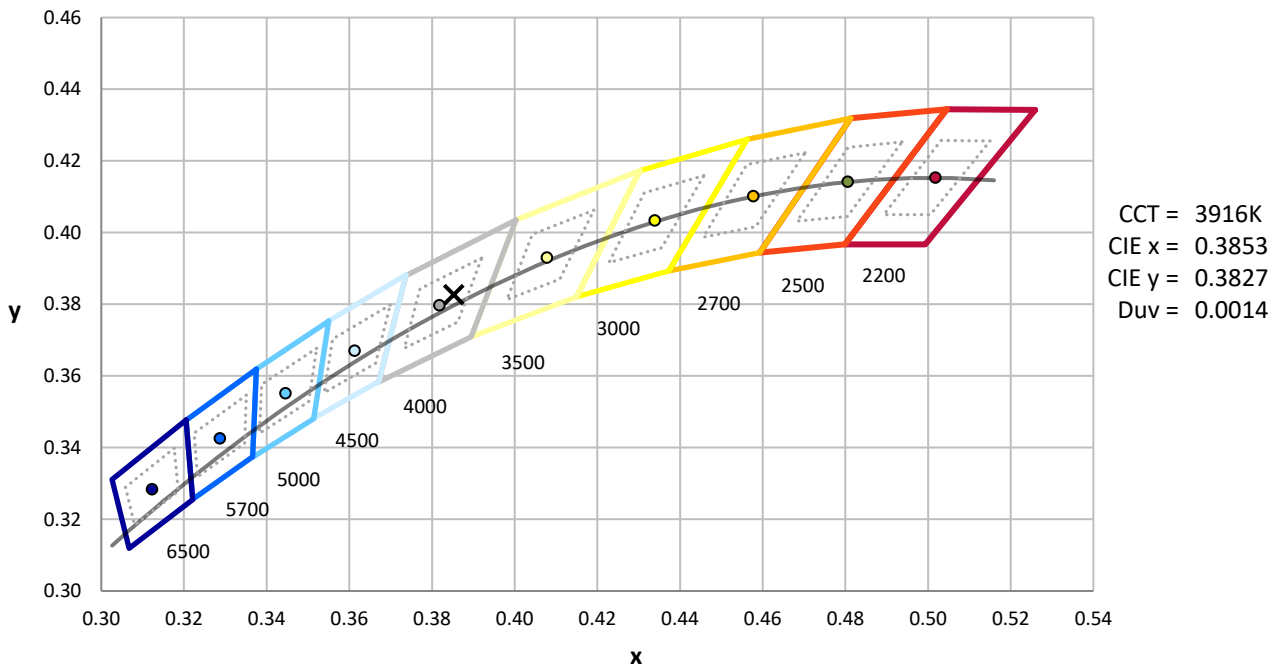
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN2187	1/6/2025	7/6/2025
Power Meter	INXT2011002	1/21/2025	1/21/2026
AC Power Source	IN0458	10/22/2024	10/22/2025
DC Power Source	IN0212	10/22/2024	10/22/2025
Sphere Thermometer	IN4036B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

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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 4000K 4-step quadrangle

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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	132	NR	620	668	NR	750	17	NR	880	1	NR
365	0	NR	495	174	NR	625	611	NR	755	15	NR	885	0	NR
370	0	NR	500	238	NR	630	554	NR	760	13	NR	890	0	NR
375	0	NR	505	314	NR	635	498	NR	765	11	NR	895	0	NR
380	0	NR	510	392	NR	640	445	NR	770	10	NR	900	0	NR
385	1	NR	515	467	NR	645	394	NR	775	8	NR	905	0	NR
390	2	NR	520	526	NR	650	347	NR	780	7	NR	910	0	NR
395	4	NR	525	575	NR	655	305	NR	785	6	NR	915	0	NR
400	6	NR	530	613	NR	660	266	NR	790	5	NR	920	0	NR
405	10	NR	535	644	NR	665	231	NR	795	5	NR	925	0	NR
410	18	NR	540	673	NR	670	200	NR	800	4	NR	930	0	NR
415	34	NR	545	703	NR	675	174	NR	805	4	NR	935	0	NR
420	66	NR	550	734	NR	680	150	NR	810	3	NR	940	0	NR
425	124	NR	555	768	NR	685	129	NR	815	3	NR	945	0	NR
430	216	NR	560	804	NR	690	111	NR	820	2	NR	950	0	NR
435	352	NR	565	838	NR	695	95	NR	825	2	NR	955	0	NR
440	548	NR	570	872	NR	700	81	NR	830	2	NR	960	0	NR
445	836	NR	575	896	NR	705	69	NR	835	2	NR	965	0	NR
450	997	NR	580	913	NR	710	60	NR	840	1	NR	970	0	NR
455	705	NR	585	917	NR	715	51	NR	845	1	NR	975	0	NR
460	429	NR	590	911	NR	720	44	NR	850	1	NR	980	0	NR
465	316	NR	595	891	NR	725	38	NR	855	1	NR	985	0	NR
470	213	NR	600	862	NR	730	32	NR	860	1	NR	990	0	NR
475	143	NR	605	822	NR	735	28	NR	865	1	NR	995	0	NR
480	121	NR	610	776	NR	740	24	NR	870	1	NR	1000	0	NR
485	118	NR	615	725	NR	745	20	NR	875	1	NR			

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Scotopic Flux vs. Wavelength



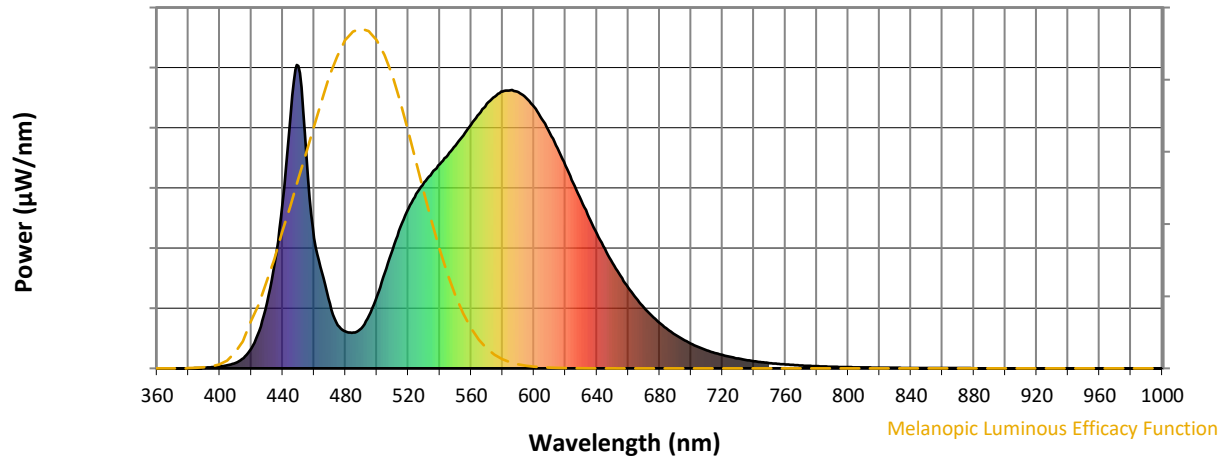
Scotopic Lumens: NR

S/P: 1.49

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	132	NR	620	668	NR	750	17	NR	880	1	NR
365	0	NR	495	174	NR	625	611	NR	755	15	NR	885	0	NR
370	0	NR	500	238	NR	630	554	NR	760	13	NR	890	0	NR
375	0	NR	505	314	NR	635	498	NR	765	11	NR	895	0	NR
380	0	NR	510	392	NR	640	445	NR	770	10	NR	900	0	NR
385	1	NR	515	467	NR	645	394	NR	775	8	NR	905	0	NR
390	2	NR	520	526	NR	650	347	NR	780	7	NR	910	0	NR
395	4	NR	525	575	NR	655	305	NR	785	6	NR	915	0	NR
400	6	NR	530	613	NR	660	266	NR	790	5	NR	920	0	NR
405	10	NR	535	644	NR	665	231	NR	795	5	NR	925	0	NR
410	18	NR	540	673	NR	670	200	NR	800	4	NR	930	0	NR
415	34	NR	545	703	NR	675	174	NR	805	4	NR	935	0	NR
420	66	NR	550	734	NR	680	150	NR	810	3	NR	940	0	NR
425	124	NR	555	768	NR	685	129	NR	815	3	NR	945	0	NR
430	216	NR	560	804	NR	690	111	NR	820	2	NR	950	0	NR
435	352	NR	565	838	NR	695	95	NR	825	2	NR	955	0	NR
440	548	NR	570	872	NR	700	81	NR	830	2	NR	960	0	NR
445	836	NR	575	896	NR	705	69	NR	835	2	NR	965	0	NR
450	997	NR	580	913	NR	710	60	NR	840	1	NR	970	0	NR
455	705	NR	585	917	NR	715	51	NR	845	1	NR	975	0	NR
460	429	NR	590	911	NR	720	44	NR	850	1	NR	980	0	NR
465	316	NR	595	891	NR	725	38	NR	855	1	NR	985	0	NR
470	213	NR	600	862	NR	730	32	NR	860	1	NR	990	0	NR
475	143	NR	605	822	NR	735	28	NR	865	1	NR	995	0	NR
480	121	NR	610	776	NR	740	24	NR	870	1	NR	1000	0	NR
485	118	NR	615	725	NR	745	20	NR	875	1	NR			

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Melanopic Flux vs. Wavelength


Melanopic Lumens: NR
M/P: 2.88

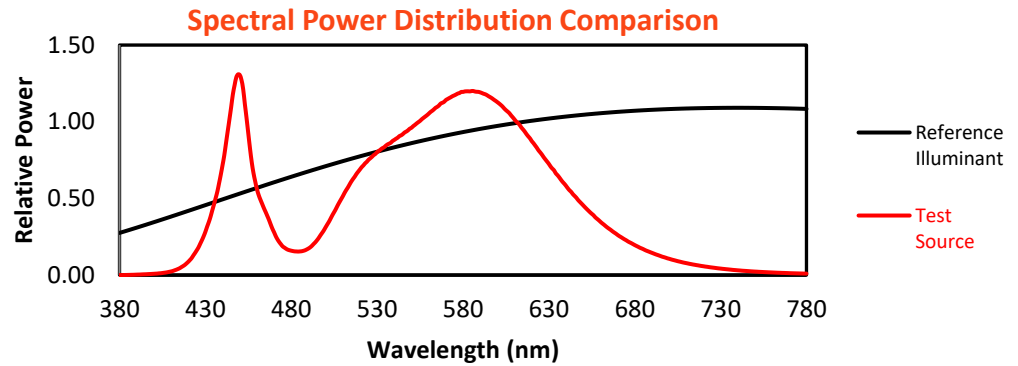
λ (nm)	Power $\text{W}^\wedge/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^\wedge/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^\wedge/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^\wedge/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^\wedge/\text{nm}$	Lumens (ϕ/nm)
360	0	NR	490	132	NR	620	668	NR	750	17	NR	880	1	NR
365	0	NR	495	174	NR	625	611	NR	755	15	NR	885	0	NR
370	0	NR	500	238	NR	630	554	NR	760	13	NR	890	0	NR
375	0	NR	505	314	NR	635	498	NR	765	11	NR	895	0	NR
380	0	NR	510	392	NR	640	445	NR	770	10	NR	900	0	NR
385	1	NR	515	467	NR	645	394	NR	775	8	NR	905	0	NR
390	2	NR	520	526	NR	650	347	NR	780	7	NR	910	0	NR
395	4	NR	525	575	NR	655	305	NR	785	6	NR	915	0	NR
400	6	NR	530	613	NR	660	266	NR	790	5	NR	920	0	NR
405	10	NR	535	644	NR	665	231	NR	795	5	NR	925	0	NR
410	18	NR	540	673	NR	670	200	NR	800	4	NR	930	0	NR
415	34	NR	545	703	NR	675	174	NR	805	4	NR	935	0	NR
420	66	NR	550	734	NR	680	150	NR	810	3	NR	940	0	NR
425	124	NR	555	768	NR	685	129	NR	815	3	NR	945	0	NR
430	216	NR	560	804	NR	690	111	NR	820	2	NR	950	0	NR
435	352	NR	565	838	NR	695	95	NR	825	2	NR	955	0	NR
440	548	NR	570	872	NR	700	81	NR	830	2	NR	960	0	NR
445	836	NR	575	896	NR	705	69	NR	835	2	NR	965	0	NR
450	997	NR	580	913	NR	710	60	NR	840	1	NR	970	0	NR
455	705	NR	585	917	NR	715	51	NR	845	1	NR	975	0	NR
460	429	NR	590	911	NR	720	44	NR	850	1	NR	980	0	NR
465	316	NR	595	891	NR	725	38	NR	855	1	NR	985	0	NR
470	213	NR	600	862	NR	730	32	NR	860	1	NR	990	0	NR
475	143	NR	605	822	NR	735	28	NR	865	1	NR	995	0	NR
480	121	NR	610	776	NR	740	24	NR	870	1	NR	1000	0	NR
485	118	NR	615	725	NR	745	20	NR	875	1	NR			

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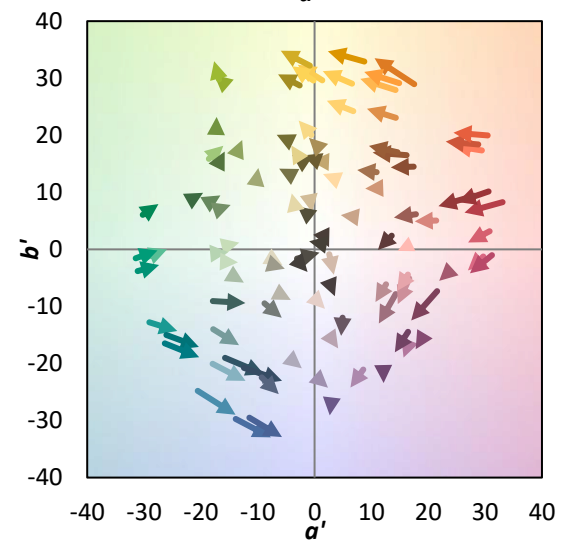
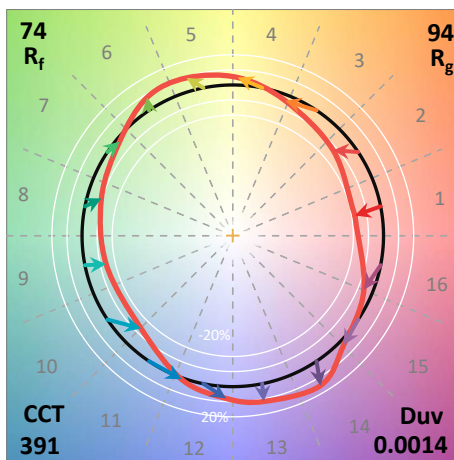
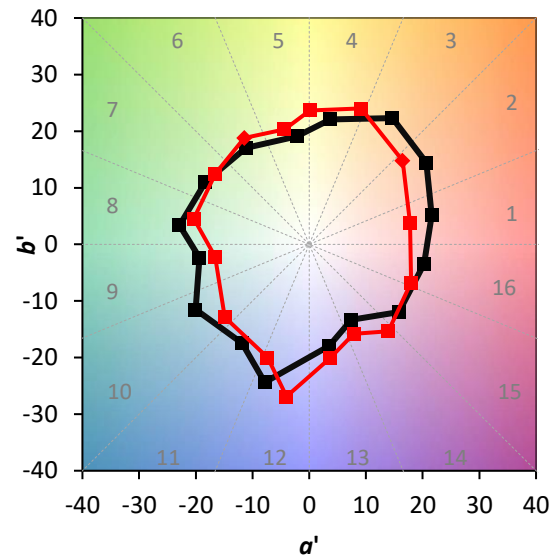
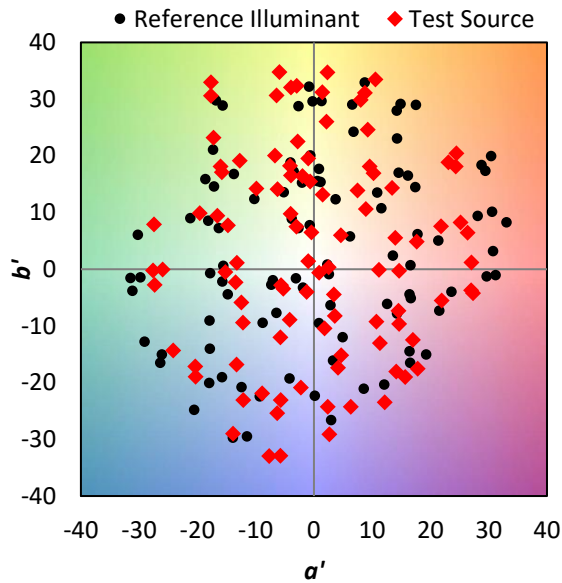
TM-30-18

Summary

$R_f = 73.5$
 $R_g = 93.5$
 $CIE R_a = 71.0$
 $R_g = -37.9$

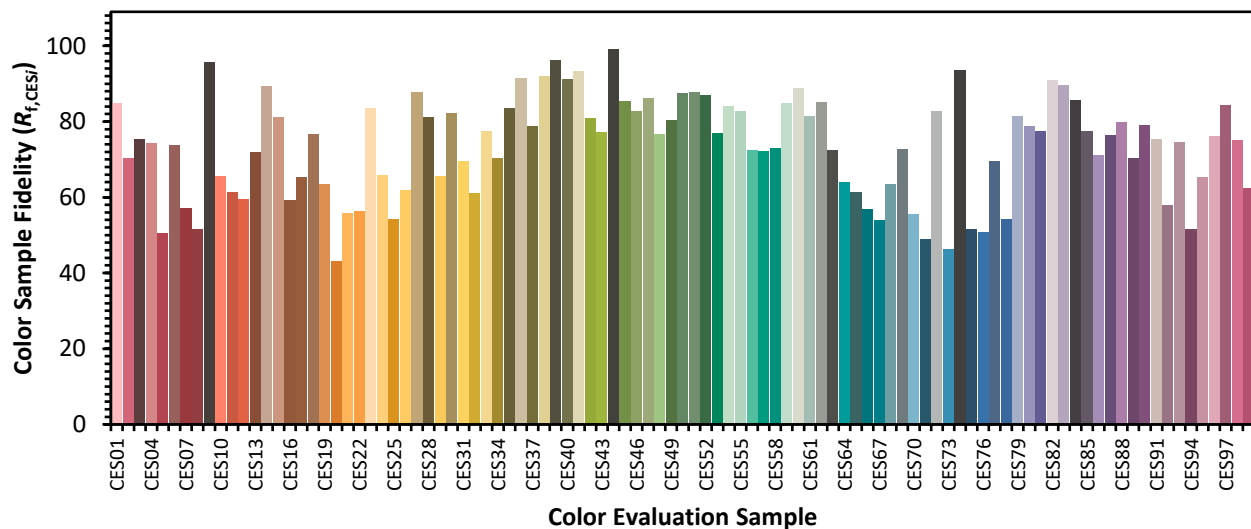


Color Vector Graphics

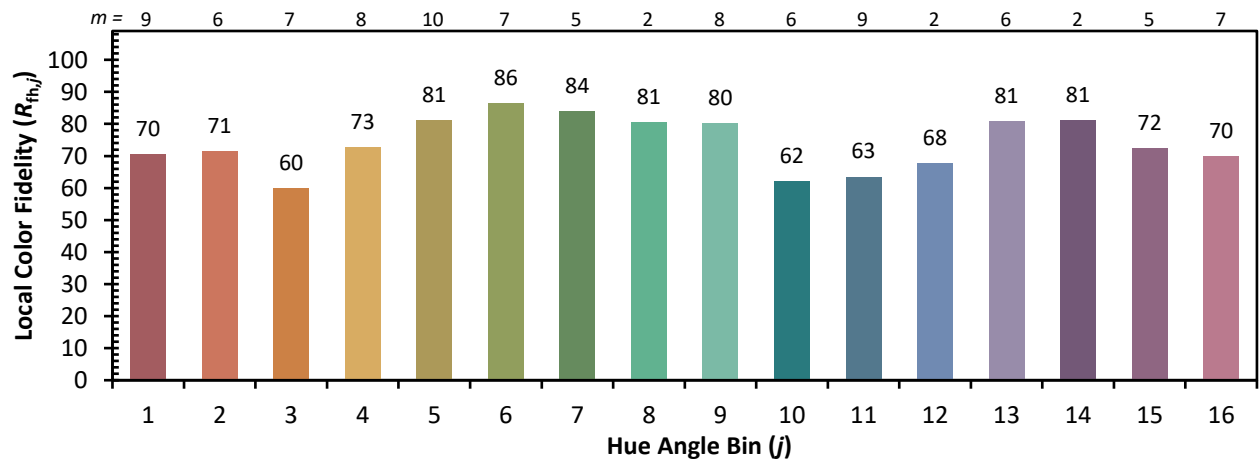
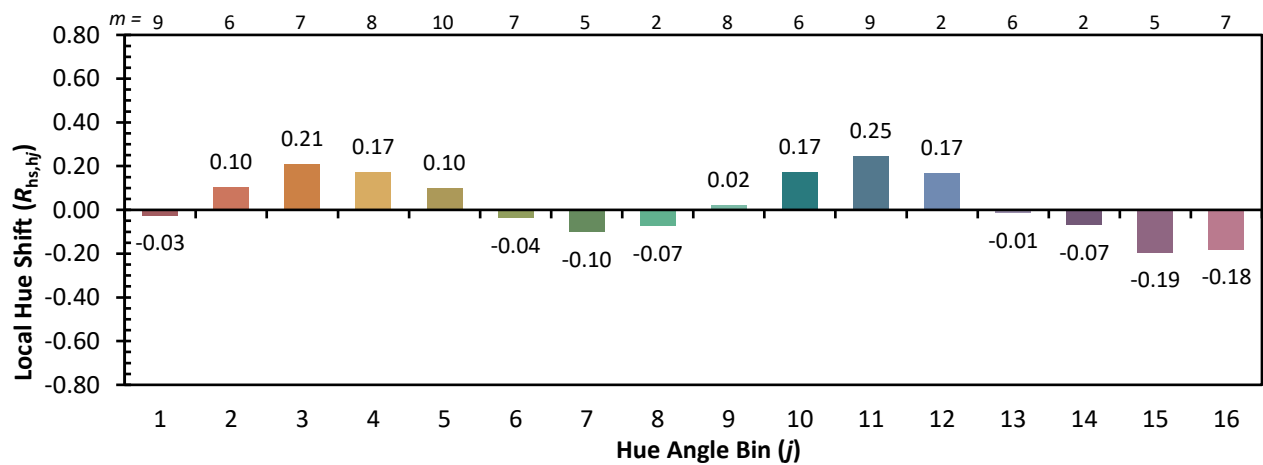
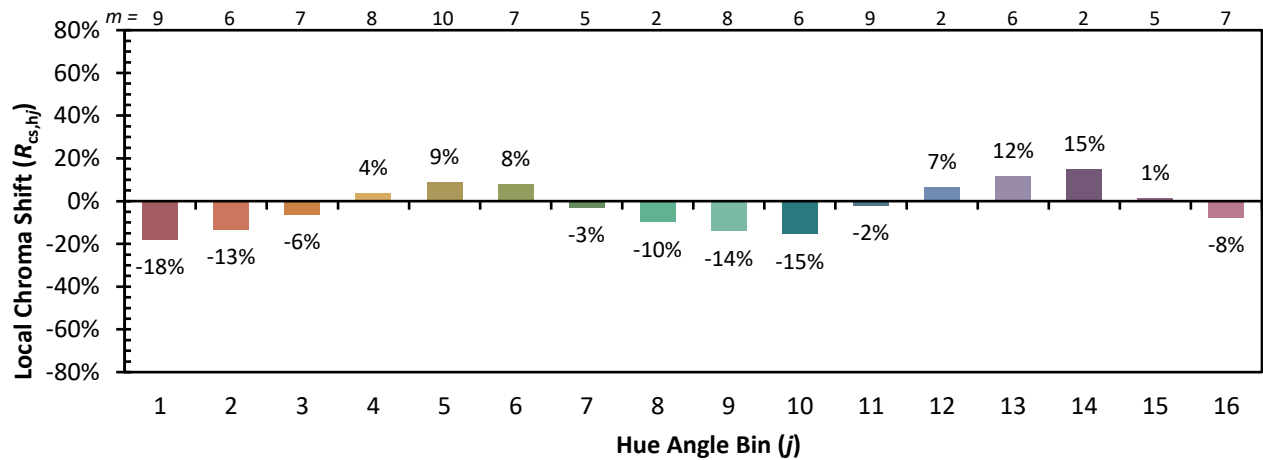


Individual Sample Fidelity Index ($R_{f,i}$)

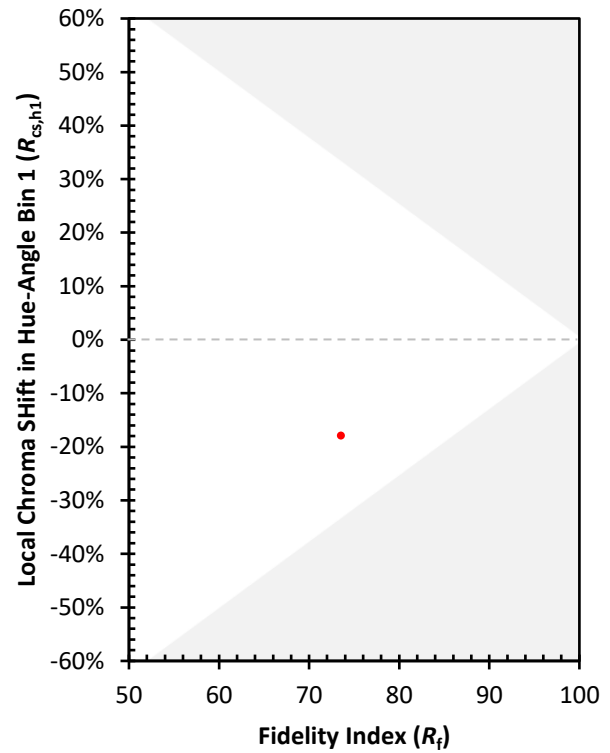
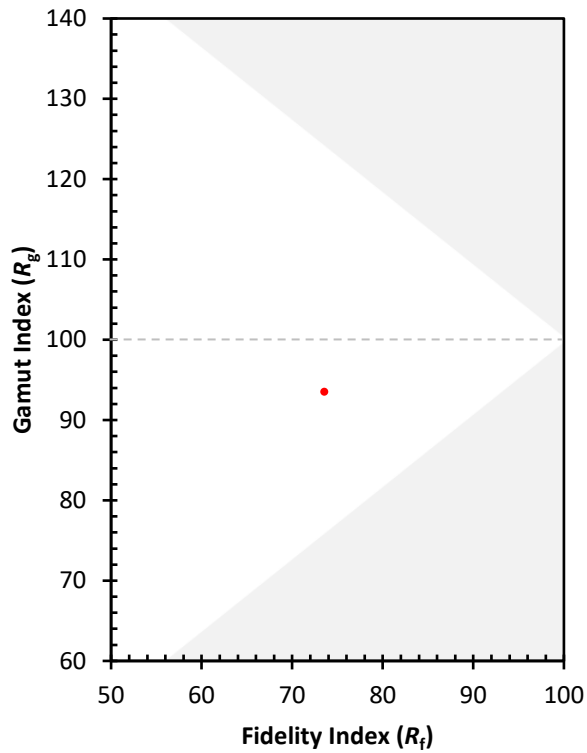
CES01 = 85	CES26 = 62	CES51 = 88	CES76 = 51
CES02 = 61	CES27 = 88	CES52 = 87	CES77 = 70
CES03 = 30	CES28 = 81	CES53 = 77	CES78 = 54
CES04 = 70	CES29 = 66	CES54 = 84	CES79 = 81
CES05 = 47	CES30 = 82	CES55 = 83	CES80 = 79
CES06 = 50	CES31 = 69	CES56 = 73	CES81 = 77
CES07 = 40	CES32 = 61	CES57 = 72	CES82 = 91
CES08 = 39	CES33 = 77	CES58 = 73	CES83 = 90
CES09 = 29	CES34 = 70	CES59 = 85	CES84 = 86
CES10 = 74	CES35 = 84	CES60 = 89	CES85 = 77
CES11 = 57	CES36 = 91	CES61 = 81	CES86 = 71
CES12 = 63	CES37 = 79	CES62 = 85	CES87 = 76
CES13 = 42	CES38 = 92	CES63 = 72	CES88 = 80
CES14 = 74	CES39 = 96	CES64 = 64	CES89 = 70
CES15 = 71	CES40 = 91	CES65 = 61	CES90 = 79
CES16 = 46	CES41 = 93	CES66 = 57	CES91 = 75
CES17 = 49	CES42 = 81	CES67 = 54	CES92 = 58
CES18 = 56	CES43 = 77	CES68 = 63	CES93 = 75
CES19 = 72	CES44 = 99	CES69 = 73	CES94 = 52
CES20 = 65	CES45 = 85	CES70 = 56	CES95 = 65
CES21 = 86	CES46 = 83	CES71 = 49	CES96 = 76
CES22 = 78	CES47 = 86	CES72 = 83	CES97 = 84
CES23 = 92	CES48 = 77	CES73 = 46	CES98 = 75
CES24 = 91	CES49 = 81	CES74 = 93	CES99 = 62
CES25 = 72	CES50 = 87	CES75 = 52	



Color Rendition by Hue-Angle Bin



Measure Comparisons



(END OF REPORT)