

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: P1461796

Luminaire Tested: USSL-150-740-U-T4RE-HSS

Issue Date: 06/10/2026

Test Information

Test Method: LM-79-2024
Report Number: P1461796
Test Lab: INNOVATION CENTER(G3)
Issue Date: 6/11/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: STREETWORKS
Catalog Number: USSL-150-740-U-T4RE-HSS
Description: USSL DISCRETE LED 1 SQUARE 150W 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: 14374.3 lumens
Efficiency: N/A
Efficacy: 94.6 lumens/watt
Luminous Opening: Rectangular (W 0.67' x L: 0.67' x H: 0')
IES Classification: Type III - Short
BUG Rating: B1 - U0 - G3

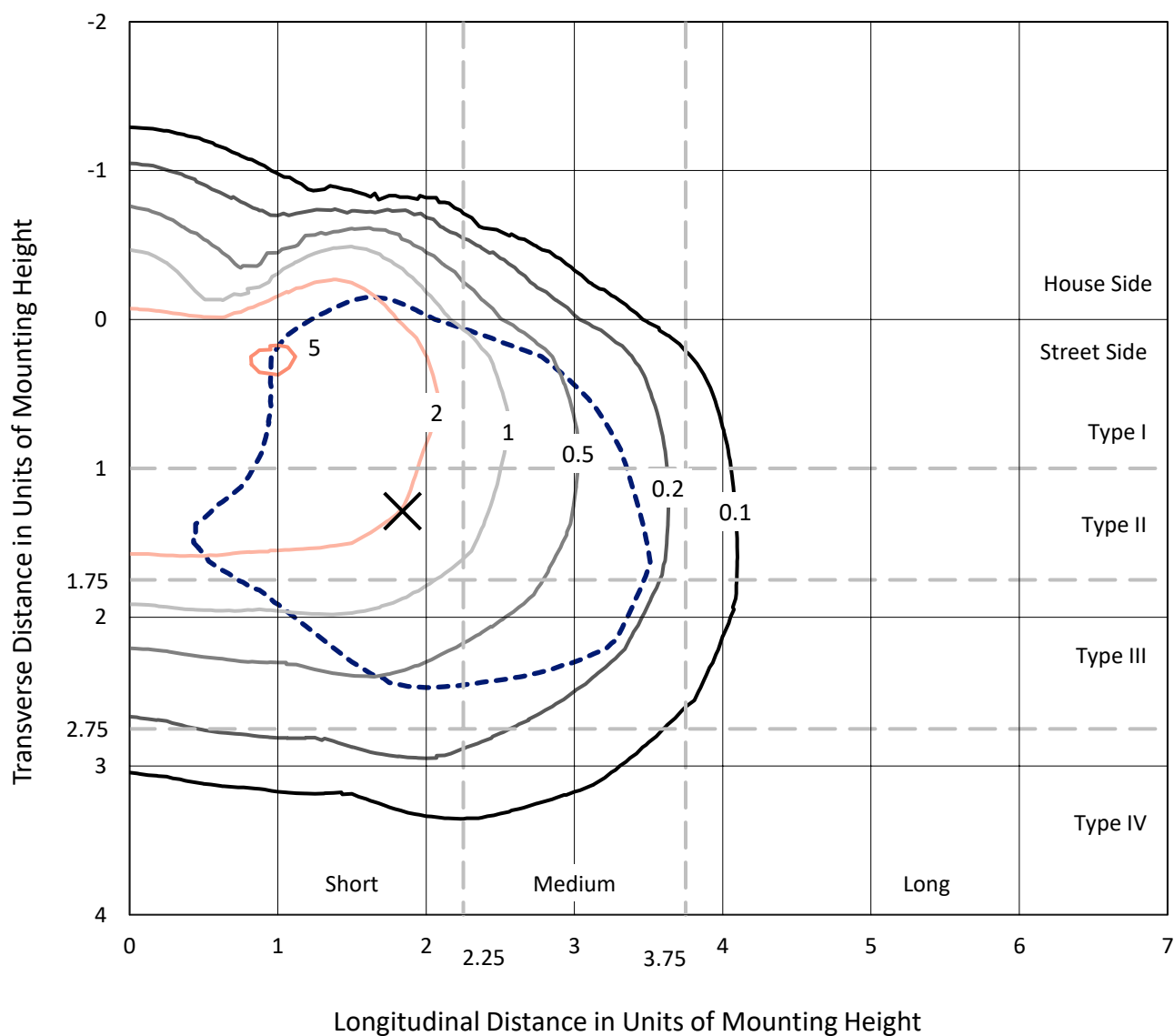
Input Watts (W): 152
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: 0.98
Total Harmonic Distortion (THDi): 2.75%
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT

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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 --- 1/2 Max cd

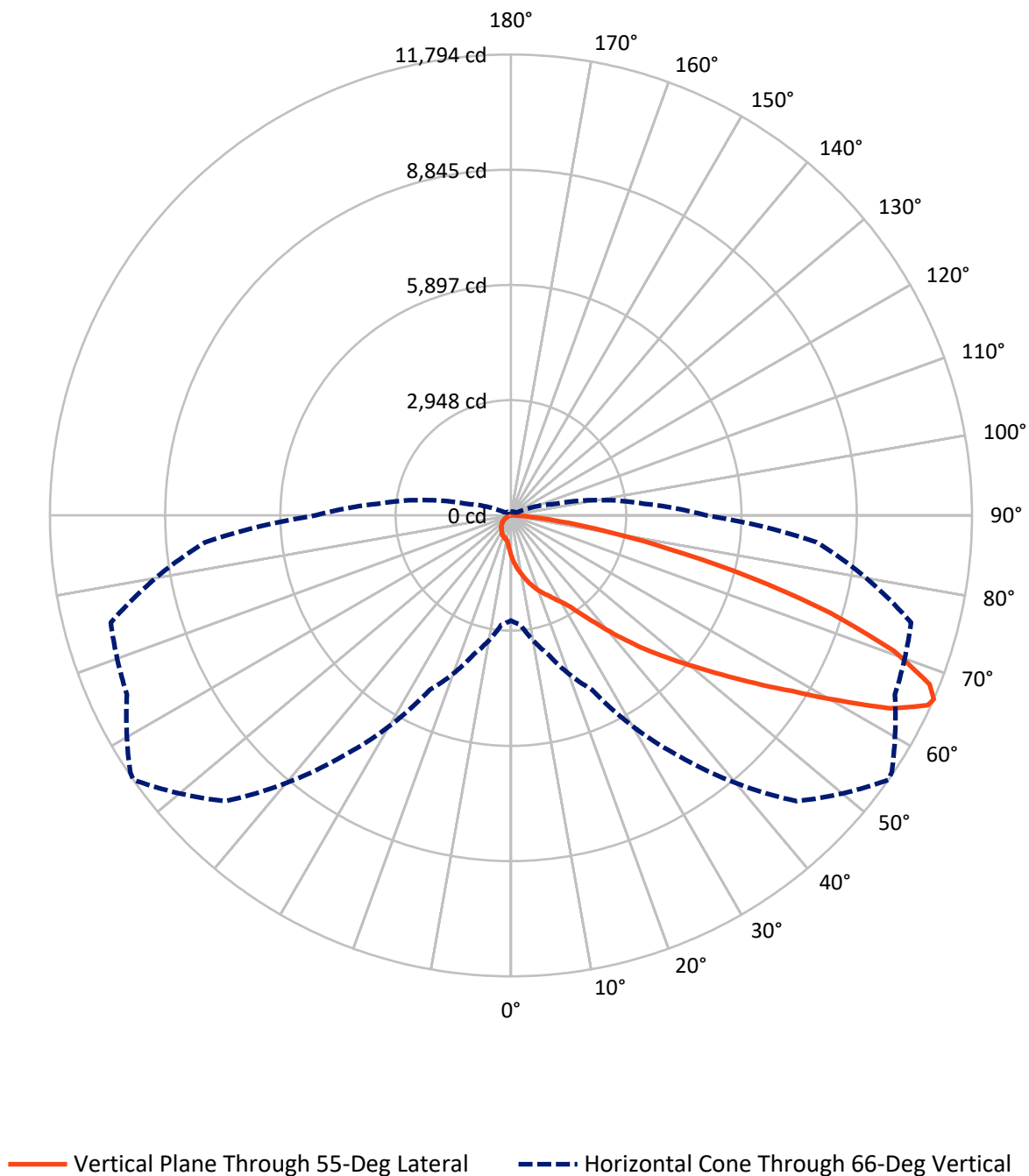


Based on 20 foot mounting height. Maximum calculated value = 5.3 fc
 Type III - Short - N/A

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Luminous Intensity Polar Plot



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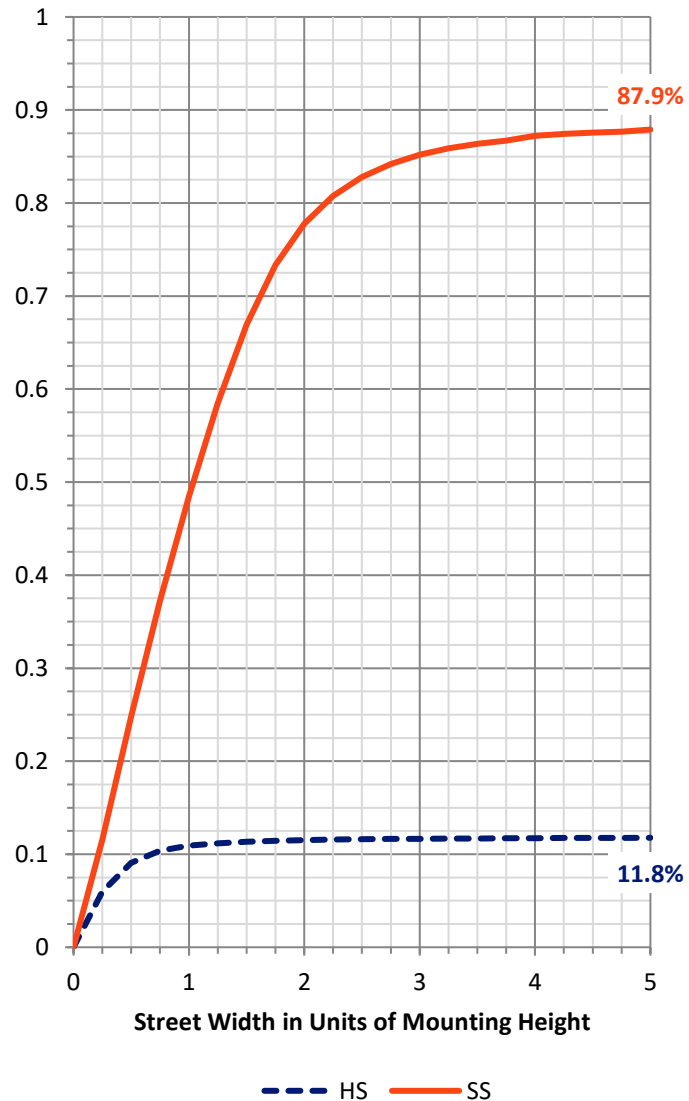
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1706.8	0.0	1706.8
	% Fixture	11.9	0.0	11.9
Street Side	Lumens	12667.5	0.0	12667.5
	% Fixture	88.1	0.0	88.1
Total	Lumens	14374.3	0.0	14374.3
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	102.3	0.7
10°-20°	344.7	2.4
20°-30°	638.8	4.4
30°-40°	1110.8	7.7
40°-50°	2148.2	14.9
50°-60°	3675.7	25.6
60°-70°	4169.7	29.0
70°-80°	1990.8	13.9
80°-90°	193.1	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°	14374.3	100.0
0°-180°	14374.3	100.0

Coefficient of Utilization



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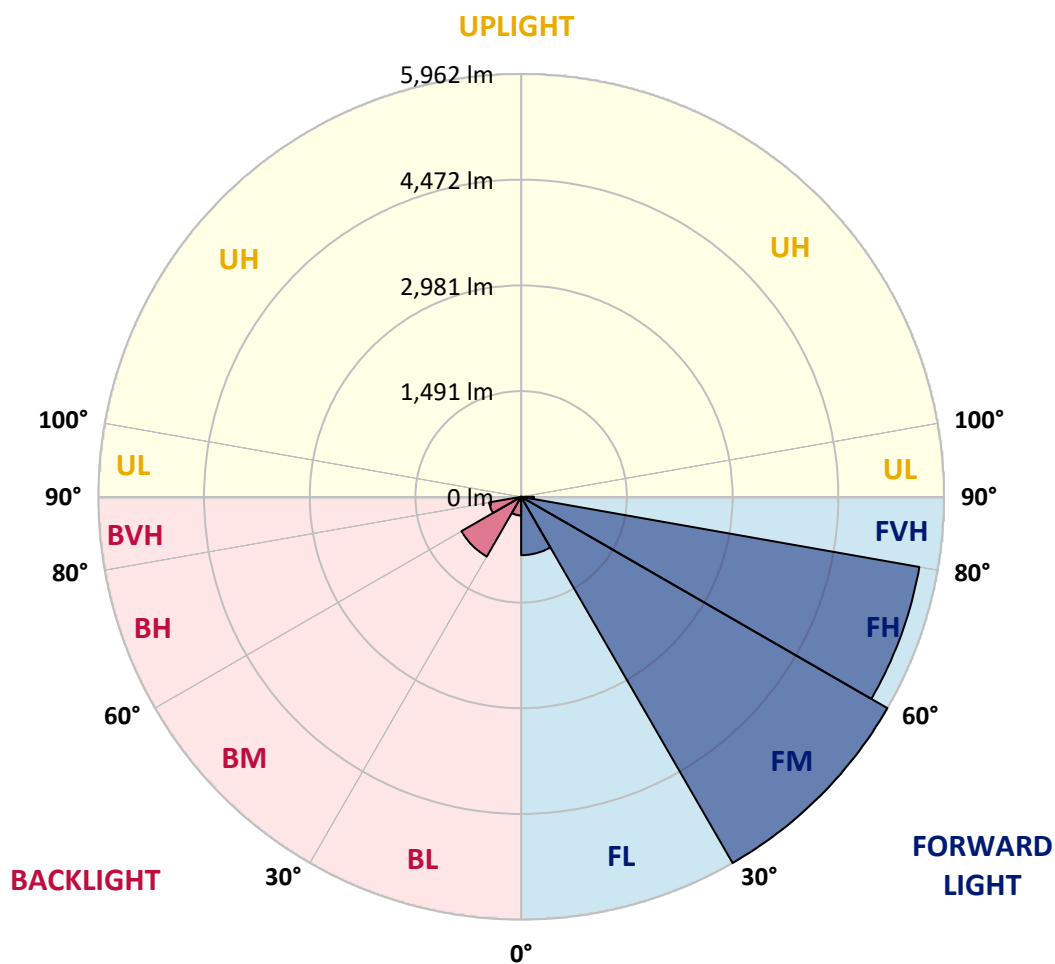
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	822.8	5.7			
FM	(30°-60°)	5962.5	41.5			
FH	(60°-80°)	5701.6	39.7			G3/7500
FVH	(80°-90°)	180.6	1.3			G2/225
BL	(0°-30°)	263.1	1.8	B1/500		
BM	(30°-60°)	972.2	6.8	B1/1000		
BH	(60°-80°)	459.0	3.2	B1/500		G1/500
BVH	(80°-90°)	12.5	0.1			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G3

Type III Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	56°	65°	75°	85°
0°	1027.8	1027.8	1027.8	1027.8	1027.8	1027.8	1027.8	1027.8	1027.8	1027.8	1027.8
2.5°	1243.7	1257.7	1246.7	1235.7	1221.7	1192.8	1168.8	1162.8	1133.8	1094.8	1051.8
5°	1447.7	1450.7	1438.7	1411.7	1388.7	1337.7	1291.7	1287.7	1229.7	1154.8	1074.8
7.5°	1626.7	1627.7	1607.7	1583.7	1539.7	1485.7	1416.7	1403.7	1321.7	1219.7	1098.8
10°	1793.6	1791.6	1777.6	1749.6	1698.6	1622.7	1537.7	1528.7	1420.7	1287.7	1130.8
12.5°	1915.6	1911.6	1906.6	1877.6	1836.6	1767.6	1668.7	1653.7	1531.7	1359.7	1162.8
15°	1999.6	1995.6	1994.6	1981.6	1951.6	1904.6	1804.6	1793.6	1651.7	1453.7	1202.8
17.5°	2054.6	2054.6	2056.6	2052.6	2038.6	2003.6	1931.6	1925.6	1785.6	1545.7	1251.7
20°	2116.6	2113.6	2120.6	2122.6	2114.6	2097.6	2059.6	2050.6	1920.6	1667.7	1307.7
22.5°	2197.5	2194.5	2197.5	2202.5	2202.5	2191.5	2171.6	2166.6	2077.6	1809.6	1378.7
25°	2296.5	2293.5	2296.5	2301.5	2302.5	2308.5	2287.5	2288.5	2226.5	1961.6	1465.7
27.5°	2420.5	2420.5	2417.5	2419.5	2429.5	2437.5	2433.5	2431.5	2374.5	2148.6	1566.7
30°	2565.5	2560.5	2565.5	2561.5	2568.5	2574.5	2575.5	2579.5	2548.5	2342.5	1709.6
32.5°	2714.4	2713.4	2735.4	2744.4	2747.4	2771.4	2786.4	2800.4	2789.4	2607.5	1912.6
35°	2911.4	2907.4	2929.4	2959.4	2986.4	3024.4	3104.4	3091.4	3154.3	3074.4	2249.5
37.5°	3156.3	3148.3	3177.3	3216.3	3263.3	3338.3	3466.3	3471.3	3636.2	3732.2	2864.4
40°	3505.3	3492.3	3497.3	3589.3	3644.2	3731.2	3917.2	3925.2	4232.1	4486.1	3601.3
42.5°	3851.2	3842.2	3865.2	3881.2	3944.2	4146.1	4405.1	4408.1	4867.0	5257.9	4438.1
45°	4241.1	4234.1	4232.1	4236.1	4252.1	4514.1	4931.0	4968.0	5489.9	6040.7	5309.9
47.5°	4663.0	4634.0	4646.0	4637.0	4646.0	4925.0	5471.9	5482.9	6148.7	6775.6	6148.7
50°	5037.0	5036.0	5055.0	5073.9	5103.9	5454.9	6075.7	6155.7	6739.6	7502.4	6965.6
52.5°	5332.9	5331.9	5449.9	5527.9	5611.8	6073.7	6766.6	6823.6	7418.5	8263.3	7809.4
55°	5421.9	5448.9	5745.8	6030.8	6235.7	6827.6	7573.4	7596.4	8124.3	9118.1	8610.2
57.5°	5238.9	5292.9	5803.8	6354.7	6945.6	7811.4	8479.2	8452.3	8923.2	10087.9	9220.1
60°	4755.0	4826.0	5563.8	6423.7	7527.4	8923.2	9598.0	9585.0	9904.9	10923.7	9377.1
62.5°	3979.2	4085.2	4967.0	6062.7	7854.4	9903.9	10870.7	10815.8	10693.8	11238.7	9003.1
65°	3060.4	3146.3	4077.2	5286.9	7699.4	10395.8	11713.6	11683.6	10934.7	10855.8	8237.3
66°	2691.4	2807.4	3682.2	4928.0	7531.4	10339.9	11793.6	11748.6	10839.8	10595.8	7850.4
67.5°	2233.5	2357.5	3166.3	4356.1	7169.5	9938.9	11548.6	11564.6	10540.8	10048.9	7139.5
70°	1730.6	1840.6	2547.5	3548.3	6411.7	8549.2	10384.8	10474.8	9670.0	8724.2	5965.8
72.5°	1148.8	1246.7	1710.6	2578.5	5338.9	6725.6	8545.2	8699.2	8490.2	6992.6	4607.0
75°	617.9	666.9	933.8	1518.7	3827.2	5000.0	6323.7	6481.7	6377.7	4748.0	2886.4
77.5°	391.9	378.9	423.9	685.9	2170.6	3590.3	4151.1	4289.1	3915.2	2429.5	1306.7
80°	282.9	258.9	265.9	352.9	906.8	2292.5	2436.5	2379.5	1897.6	853.8	400.9
82.5°	198.0	187.0	182.0	212.0	335.9	1181.8	1258.7	1183.8	667.9	267.9	131.0
85°	129.0	120.0	117.0	128.0	146.0	514.9	503.9	481.9	243.9	120.0	74.0
87.5°	67.0	67.0	67.0	74.0	75.0	177.0	152.0	147.0	81.0	48.0	35.0
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):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1027.8	1027.8	1027.8	1027.8	1027.8	1027.8	1027.8	1027.8	1027.8	1027.8	1027.8
2.5°	1030.8	1008.8	970.8	926.8	887.8	860.8	832.8	812.8	802.8	798.8	797.8
5°	1031.8	987.8	904.8	829.8	770.8	737.8	712.9	694.9	686.9	680.9	681.9
7.5°	1034.8	968.8	845.8	751.8	689.9	661.9	649.9	646.9	647.9	648.9	646.9
10°	1038.8	950.8	790.8	689.9	643.9	629.9	630.9	635.9	637.9	639.9	638.9
12.5°	1048.8	932.8	743.8	644.9	618.9	616.9	618.9	623.9	626.9	628.9	629.9
15°	1060.8	918.8	699.9	615.9	602.9	602.9	603.9	608.9	612.9	615.9	615.9
17.5°	1076.8	903.8	659.9	594.9	588.9	586.9	586.9	591.9	594.9	598.9	597.9
20°	1098.8	889.8	624.9	577.9	570.9	568.9	568.9	571.9	576.9	579.9	577.9
22.5°	1130.8	880.8	595.9	561.9	552.9	548.9	547.9	550.9	554.9	559.9	560.9
25°	1171.8	874.8	570.9	540.9	530.9	526.9	524.9	526.9	531.9	537.9	537.9
27.5°	1225.7	879.8	547.9	519.9	505.9	498.9	496.9	499.9	507.9	515.9	515.9
30°	1302.7	900.8	528.9	495.9	476.9	465.9	460.9	464.9	476.9	489.9	491.9
32.5°	1415.7	944.8	517.9	476.9	451.9	432.9	419.9	425.9	440.9	458.9	460.9
35°	1640.7	1042.8	510.9	459.9	425.9	400.9	383.9	381.9	402.9	423.9	430.9
37.5°	2092.6	1314.7	510.9	440.9	402.9	370.9	345.9	340.9	360.9	386.9	391.9
40°	2688.4	1750.6	593.9	423.9	380.9	341.9	309.9	302.9	315.9	343.9	349.9
42.5°	3362.3	2297.5	787.8	412.9	358.9	314.9	279.9	270.9	280.9	299.9	304.9
45°	4140.1	2929.4	1120.8	422.9	337.9	286.9	251.9	241.0	248.9	256.9	258.9
47.5°	4888.0	3581.3	1577.7	462.9	317.9	260.9	226.0	219.0	220.0	221.0	220.0
50°	5622.8	4249.1	2139.6	550.9	294.9	237.0	206.0	196.0	195.0	192.0	191.0
52.5°	6357.7	4940.0	2730.4	646.9	271.9	215.0	188.0	177.0	172.0	169.0	171.0
55°	7044.5	5615.8	3283.3	680.9	246.9	195.0	171.0	158.0	152.0	148.0	149.0
57.5°	7377.5	5999.8	3521.3	615.9	220.0	177.0	155.0	141.0	135.0	132.0	132.0
60°	7244.5	5822.8	3160.3	440.9	195.0	158.0	139.0	126.0	121.0	118.0	118.0
62.5°	6508.7	4994.0	2328.5	292.9	168.0	139.0	124.0	114.0	109.0	107.0	107.0
65°	5463.9	3897.2	1397.7	212.0	143.0	124.0	114.0	104.0	99.0	95.0	95.0
66°	4992.0	3420.3	1107.8	193.0	134.0	118.0	110.0	101.0	94.0	90.0	90.0
67.5°	4247.1	2767.4	715.9	169.0	121.0	111.0	104.0	95.0	88.0	82.0	82.0
70°	3225.3	1879.6	322.9	134.0	104.0	101.0	93.0	82.0	77.0	72.0	71.0
72.5°	2324.5	1206.8	163.0	105.0	88.0	89.0	77.0	71.0	64.0	59.0	59.0
75°	1477.7	652.9	103.0	81.0	75.0	76.0	64.0	58.0	53.0	49.0	50.0
77.5°	631.9	253.9	75.0	63.0	63.0	64.0	54.0	48.0	45.0	41.0	41.0
80°	199.0	109.0	54.0	48.0	51.0	53.0	45.0	42.0	37.0	29.0	30.0
82.5°	94.0	63.0	37.0	36.0	37.0	42.0	35.0	31.0	27.0	12.0	9.0
85°	61.0	32.0	20.0	19.0	21.0	25.0	24.0	17.0	12.0	4.0	4.0
87.5°	27.0	13.0	8.0	8.0	8.0	9.0	8.0	6.0	5.0	2.0	2.0
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: SP2-2501-321-1

Test Date: 04/09/2025

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

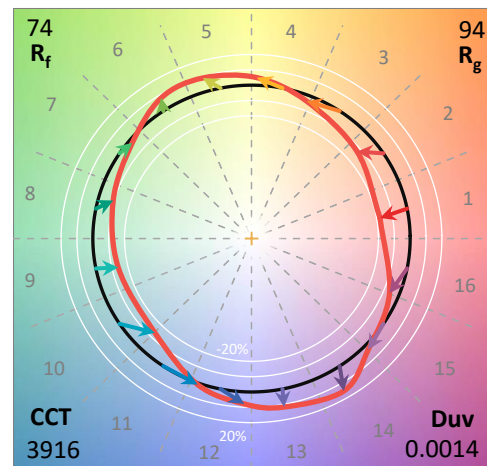
Data in this report applies to families of products including GKO-PB1E-740-U-T4W

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

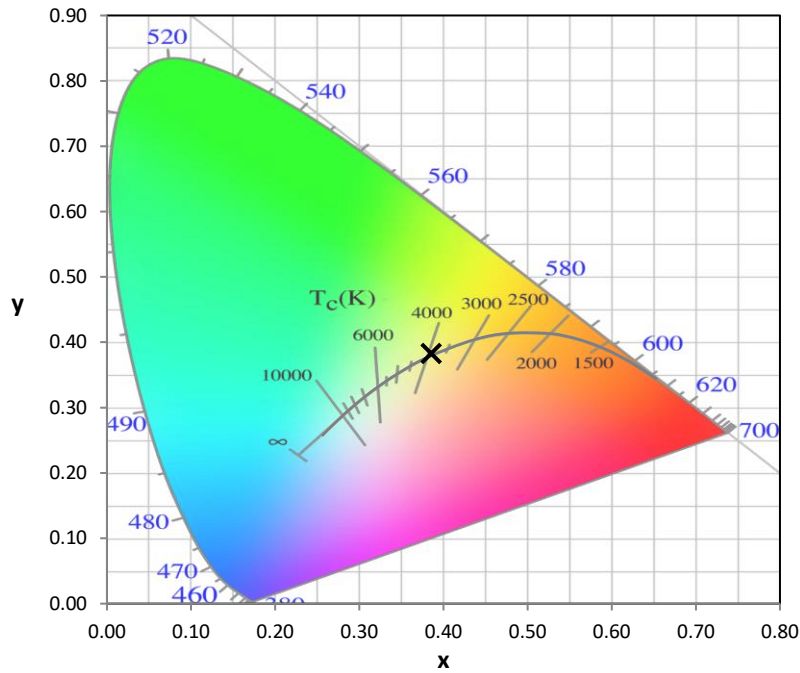
Stabilization Time: 33M
 Operation Time: 1H 33M
 Sphere Temperature (°C): 25.0

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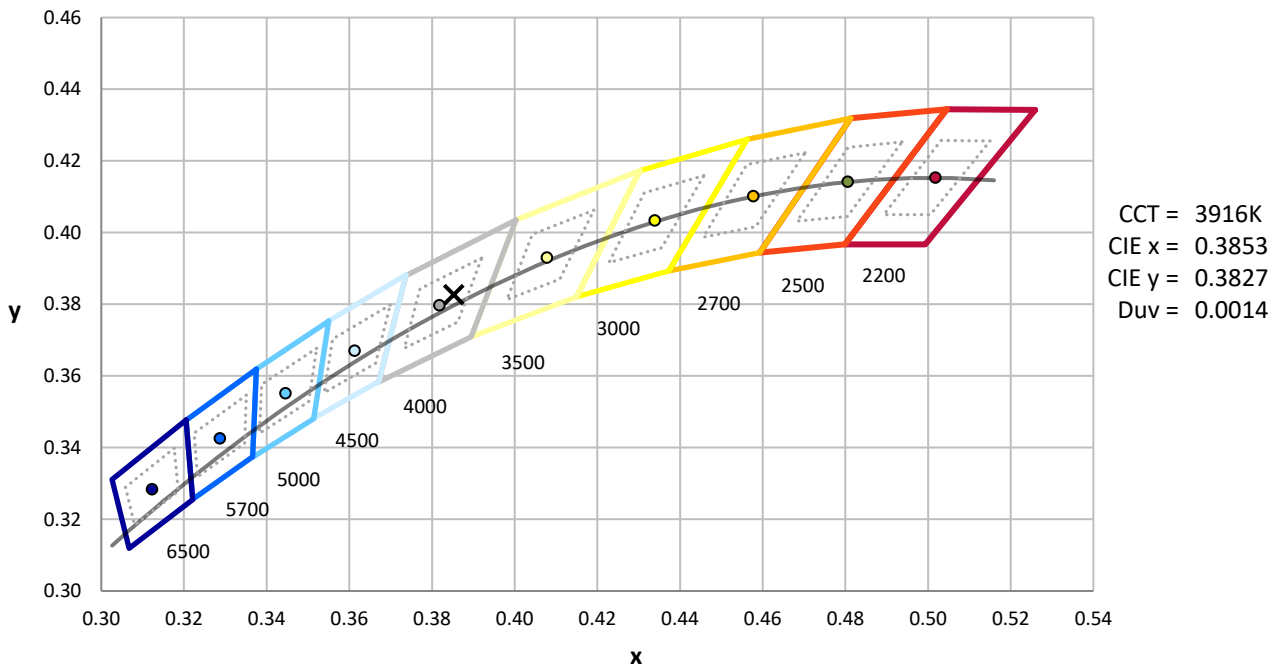
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN2187	1/6/2025	7/6/2025
Power Meter	INXT2011002	1/21/2025	1/21/2026
AC Power Source	IN0458	10/22/2024	10/22/2025
DC Power Source	IN0212	10/22/2024	10/22/2025
Sphere Thermometer	IN4036B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



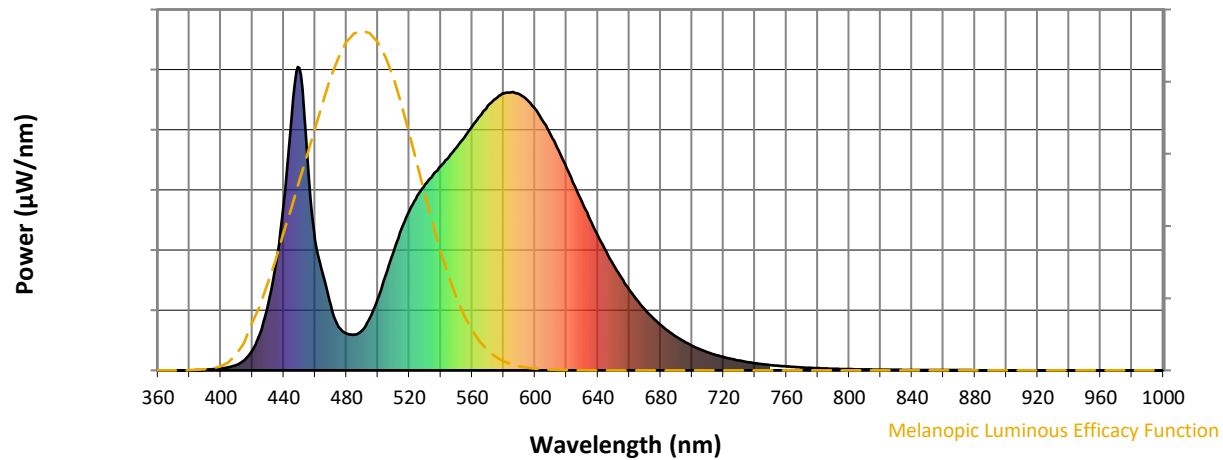
Scotopic Lumens: NR

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

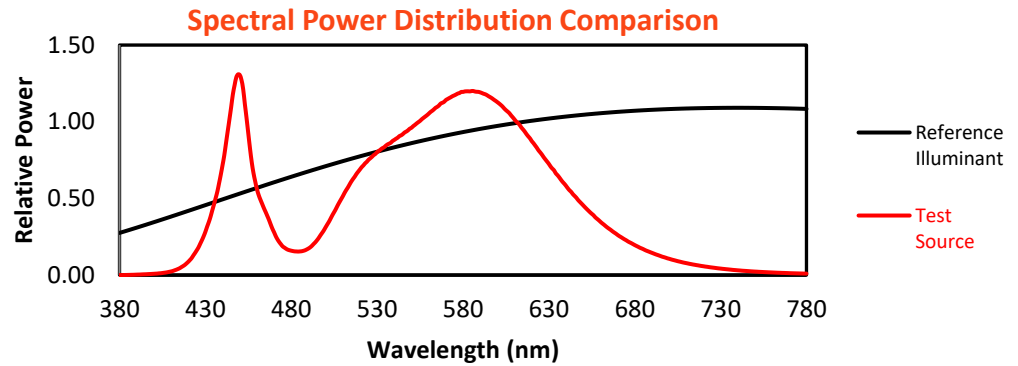
λ (nm)	Power $\text{W}^{\wedge}/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^{\wedge}/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^{\wedge}/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^{\wedge}/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^{\wedge}/\text{nm}$	Lumens (ϕ/nm)
360	0	NR	490	132	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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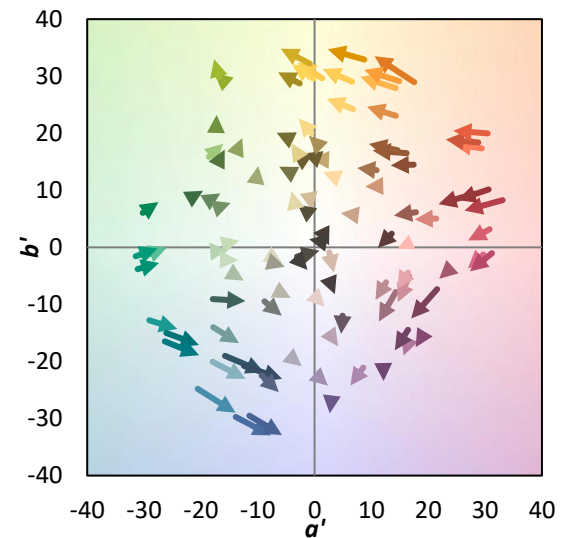
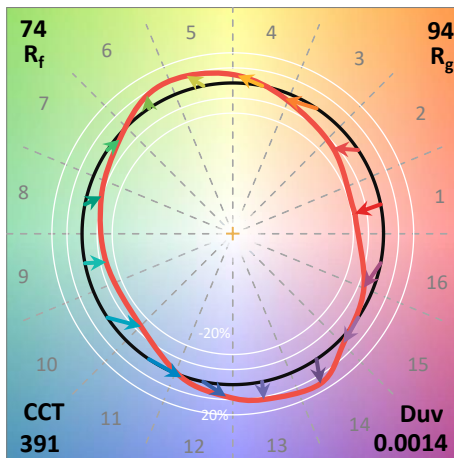
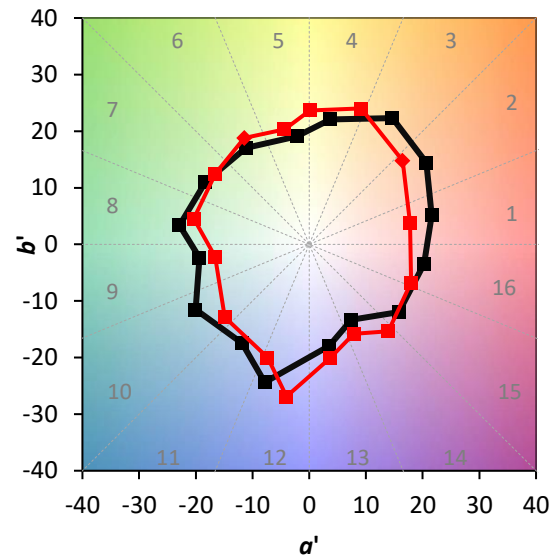
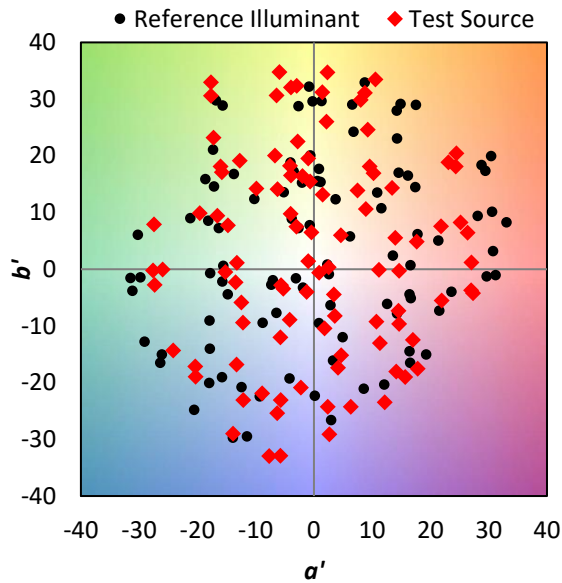
TM-30-18

Summary

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

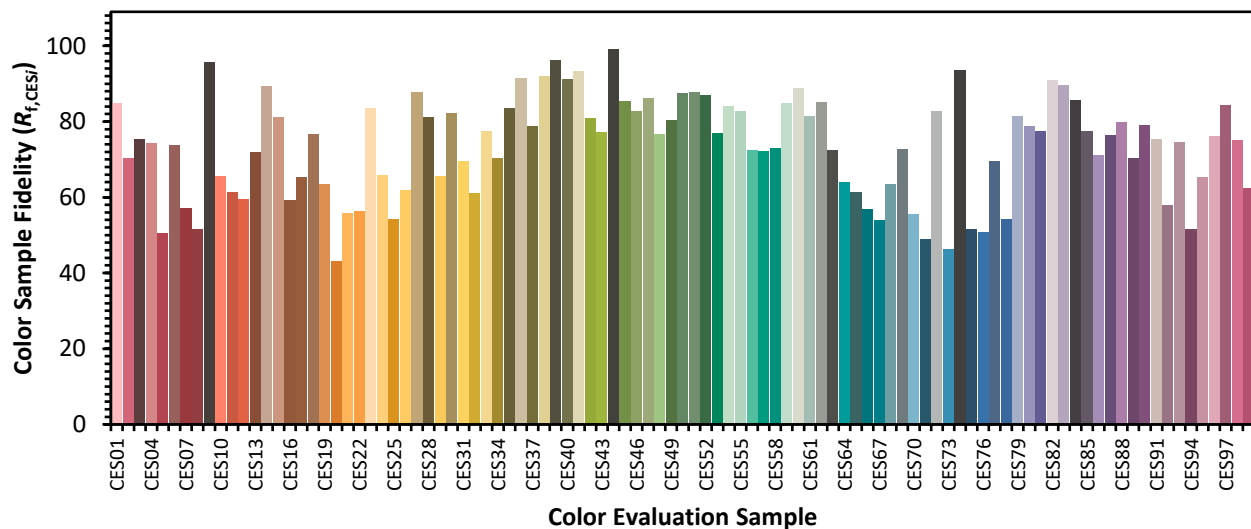


Color Vector Graphics

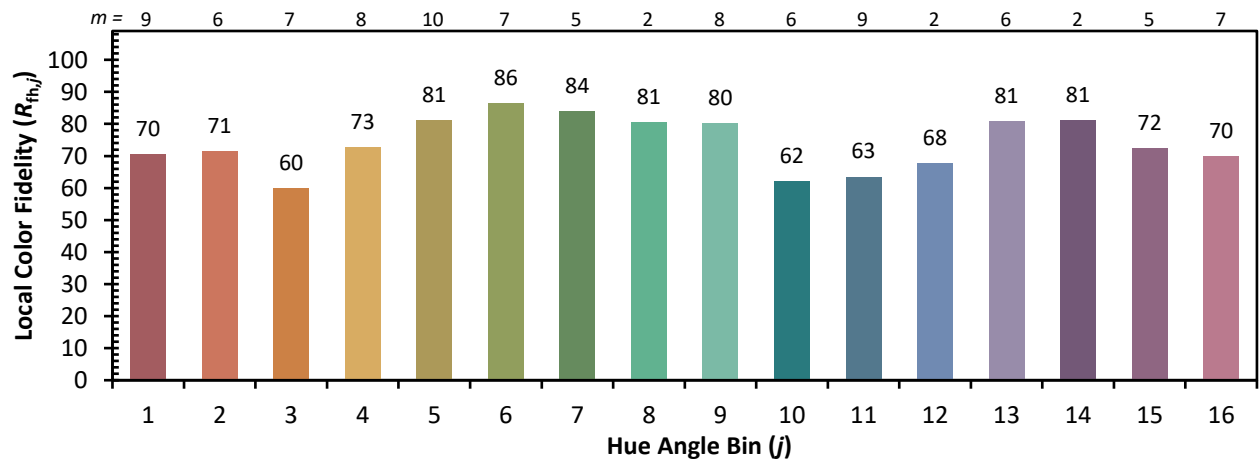
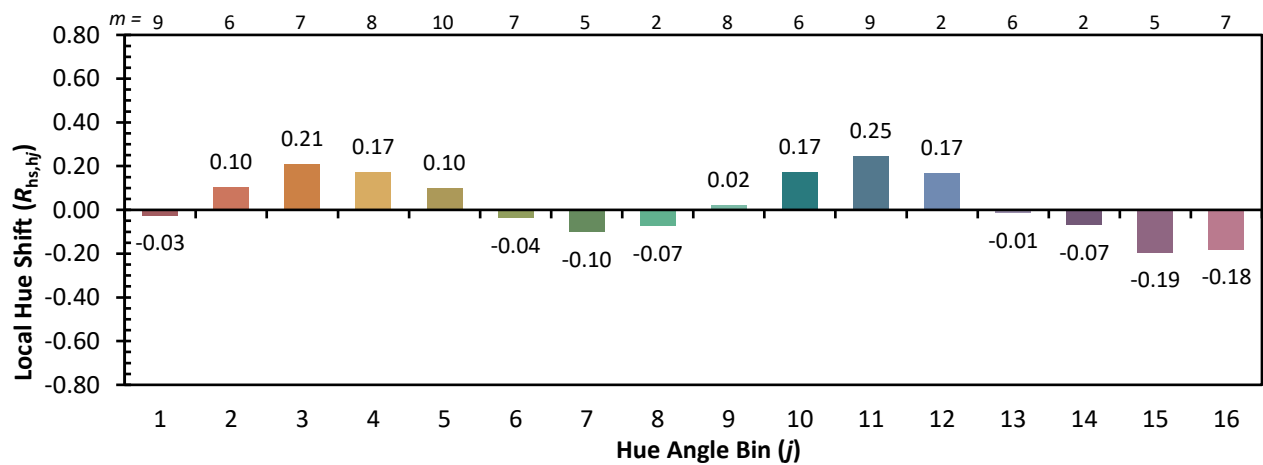
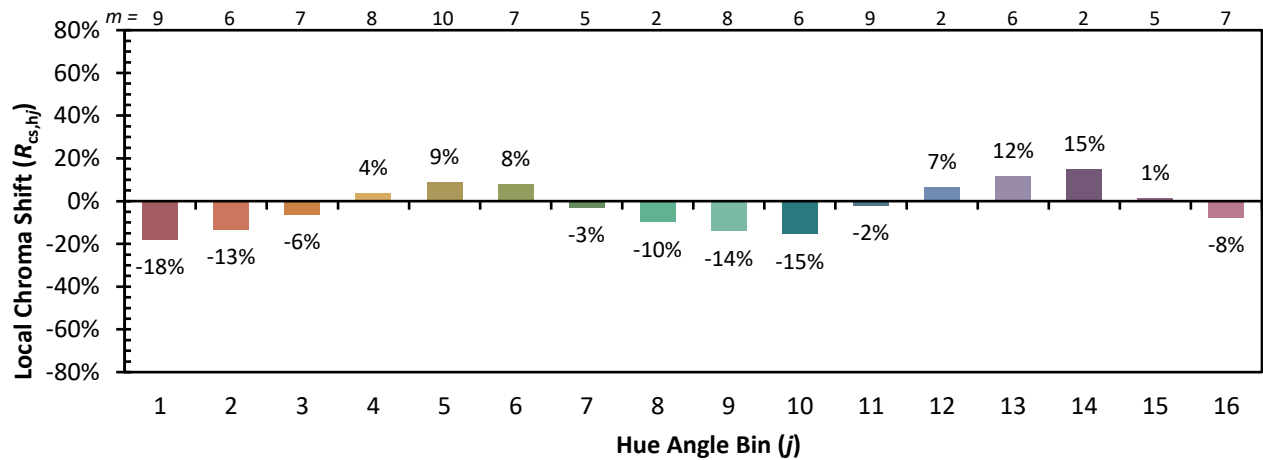


Individual Sample Fidelity Index ($R_{f,i}$)

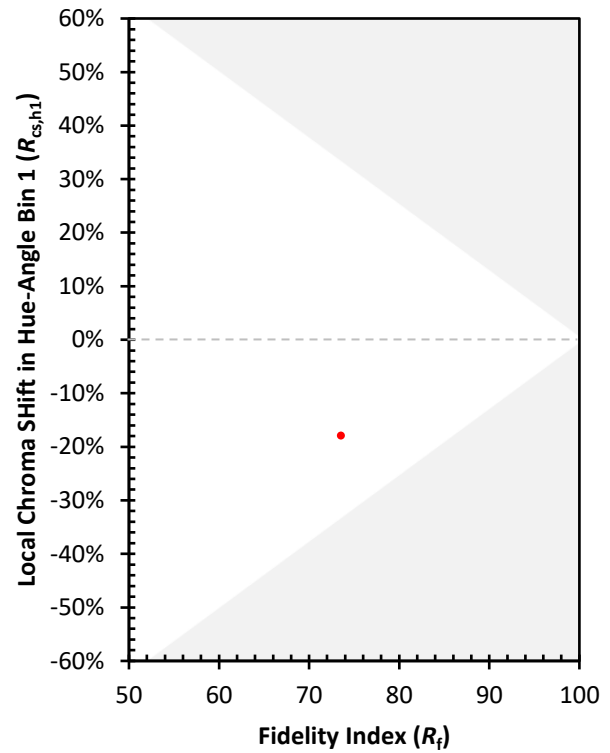
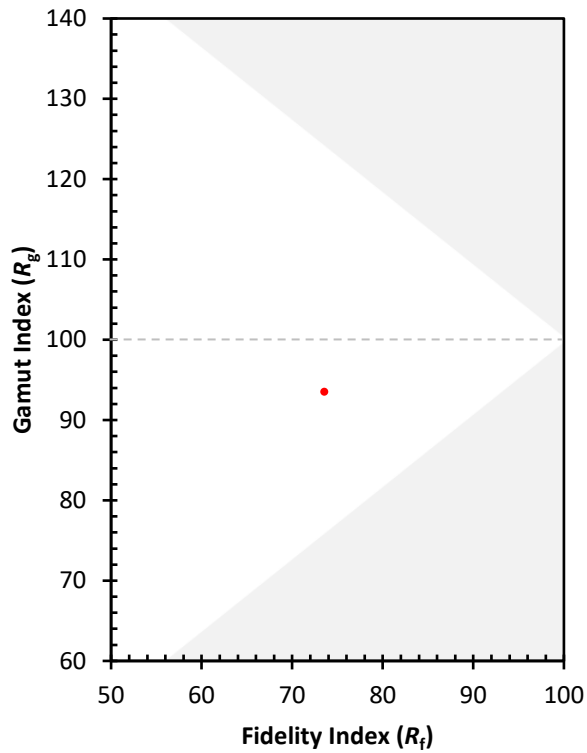
CES01 = 85	CES26 = 62	CES51 = 88	CES76 = 51
CES02 = 61	CES27 = 88	CES52 = 87	CES77 = 70
CES03 = 30	CES28 = 81	CES53 = 77	CES78 = 54
CES04 = 70	CES29 = 66	CES54 = 84	CES79 = 81
CES05 = 47	CES30 = 82	CES55 = 83	CES80 = 79
CES06 = 50	CES31 = 69	CES56 = 73	CES81 = 77
CES07 = 40	CES32 = 61	CES57 = 72	CES82 = 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)