

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: P1461429

Luminaire Tested: USSL-50-740-U-T2U

Issue Date: 06/10/2026

Test Information

Test Method: LM-79-2024
Report Number: P1461429
Test Lab: INNOVATION CENTER(G3)
Issue Date: 6/11/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: STREETWORKS
Catalog Number: USSL-50-740-U-T2U
Description: USSL DISCRETE LED 1 SQUARE 50W 70CRI 4000K FIXTURE w/ TYPE II URBAN DISTRIBUTION OPTIC
Light Source: (40) 4000K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8591.9 lumens
Efficiency: N/A
Efficacy: 165.2 lumens/watt
Luminous Opening: Rectangular (W 0.67' x L: 0.67' x H: 0')
IES Classification: Type II - Short
BUG Rating: B2 - U0 - G2

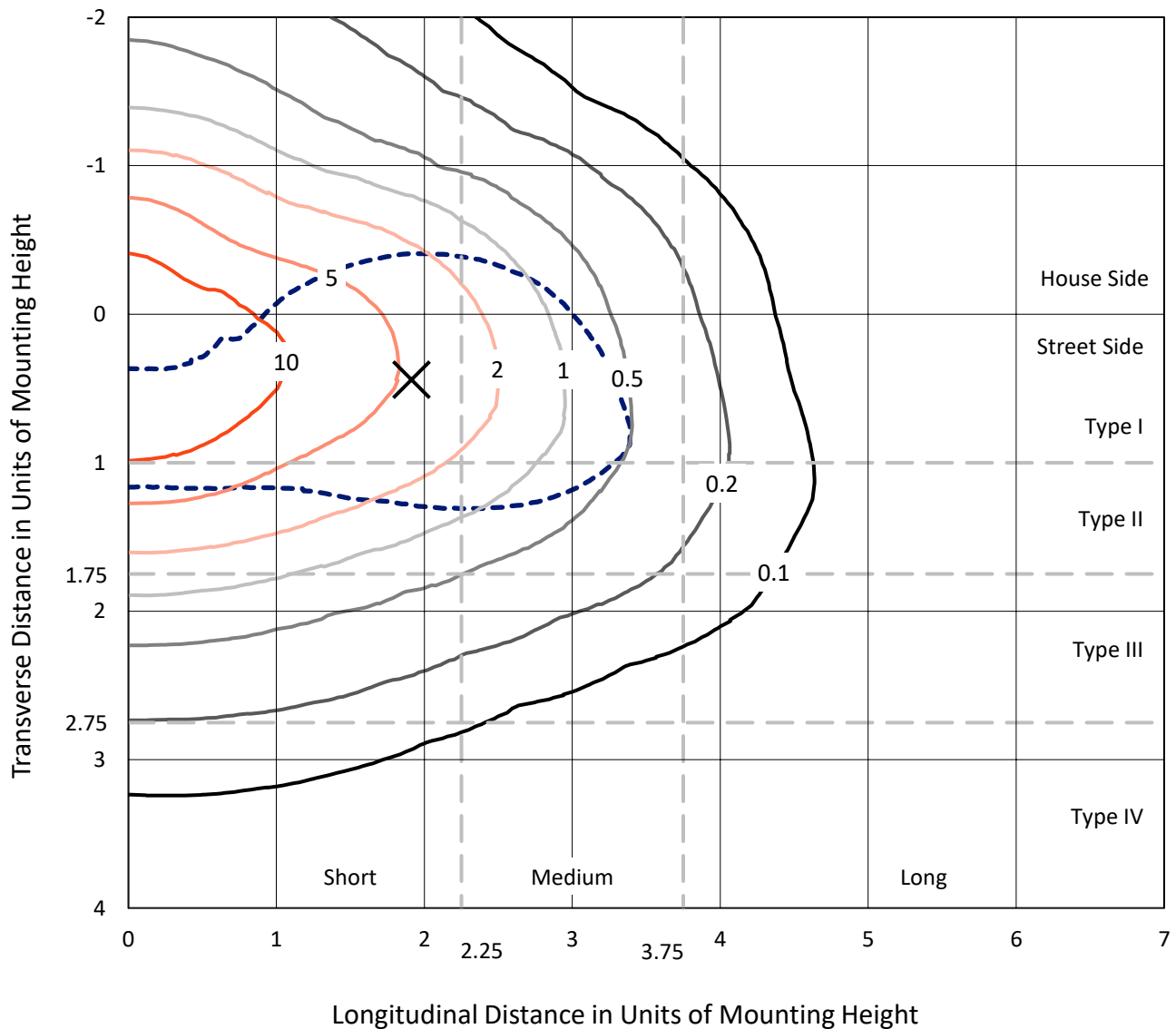
Input Watts (W): 52
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: 0.98
Total Harmonic Distortion (THDi): 3.35%
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT

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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
- - - 1/2 Max cd

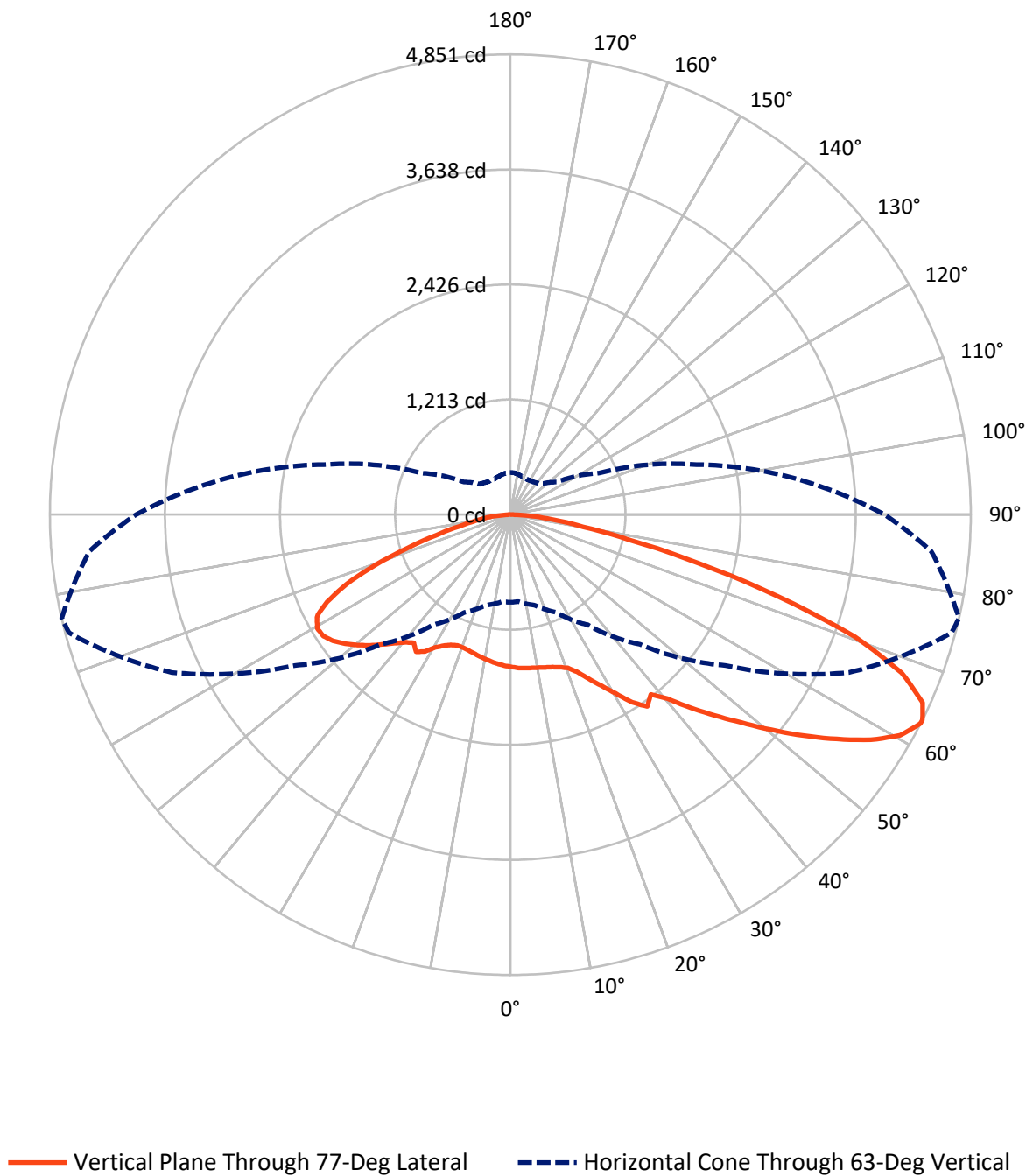


Based on 10 foot mounting height. Maximum calculated value = 20 fc
Type II - Short - N/A

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Luminous Intensity Polar Plot



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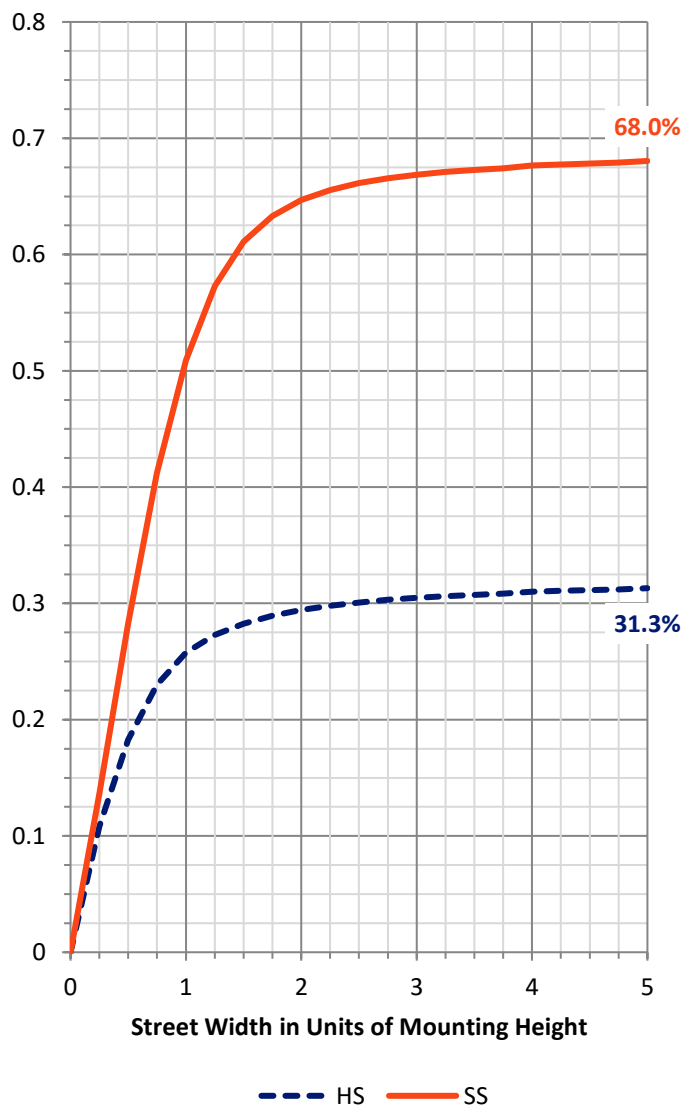
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2725.1	0.0	2725.1
	% Fixture	31.7	0.0	31.7
Street Side	Lumens	5866.8	0.0	5866.8
	% Fixture	68.3	0.0	68.3
Total	Lumens	8591.9	0.0	8591.9
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	153.3	1.8
10°-20°	470.5	5.5
20°-30°	835.3	9.7
30°-40°	1244.5	14.5
40°-50°	1595.3	18.6
50°-60°	1792.1	20.9
60°-70°	1582.5	18.4
70°-80°	756.6	8.8
80°-90°	161.8	1.9
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°	8591.9	100.0
0°-180°	8591.9	100.0

Coefficient of Utilization



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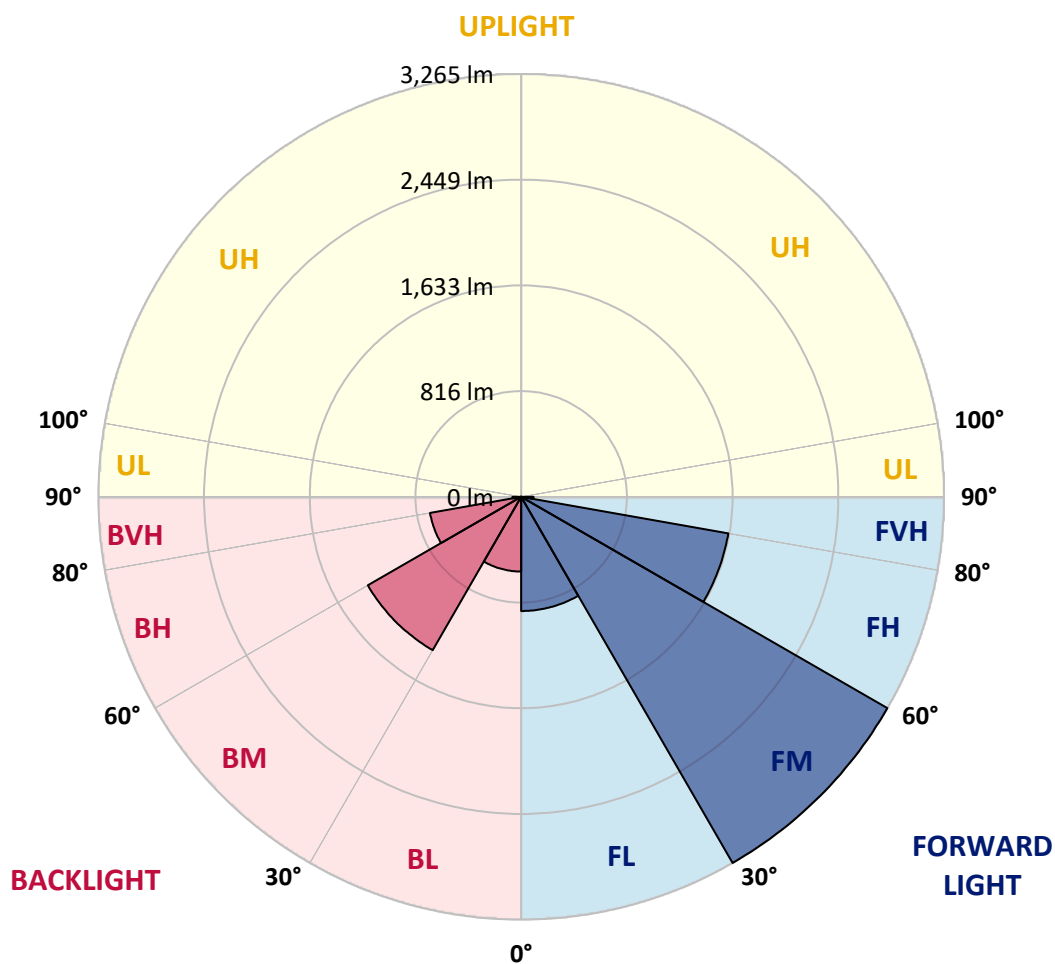
CATALOG NUMBER: USSL-50-740-U-T2U

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	881.9	10.3			
FM	(30°-60°)	3265.3	38.0			
FH	(60°-80°)	1624.6	18.9			G1/1800
FVH	(80°-90°)	95.1	1.1			G1/100
BL	(0°-30°)	577.3	6.7	B2/1000		
BM	(30°-60°)	1366.6	15.9	B2/2500		
BH	(60°-80°)	714.5	8.3	B2/1000		G2/1000
BVH	(80°-90°)	66.7	0.8			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G2

Type II Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	77°	85°
0°	1604.1	1604.1	1604.1	1604.1	1604.1	1604.1	1604.1	1604.1	1604.1	1604.1	1604.1
2.5°	1642.8	1650.0	1643.2	1642.4	1639.7	1631.7	1632.1	1621.7	1614.1	1617.7	1607.7
5°	1704.7	1705.5	1701.9	1696.0	1685.6	1669.6	1655.2	1640.1	1622.1	1623.7	1608.1
7.5°	1787.0	1789.0	1775.4	1763.4	1742.7	1713.5	1688.8	1656.8	1629.7	1630.5	1604.9
10°	1878.5	1880.4	1868.9	1848.1	1814.6	1771.8	1725.9	1682.8	1641.2	1639.3	1602.1
12.5°	1981.9	1984.3	1975.5	1939.5	1895.6	1836.9	1775.8	1711.9	1657.2	1651.6	1606.5
15°	2097.7	2102.1	2080.9	2045.4	1988.3	1910.0	1831.7	1748.7	1675.6	1666.8	1610.9
17.5°	2265.0	2250.6	2235.5	2186.7	2100.9	2004.2	1894.0	1793.0	1699.6	1690.0	1618.5
20°	2434.7	2435.9	2420.3	2390.0	2285.4	2160.8	1992.3	1857.3	1737.5	1724.3	1642.4
22.5°	2421.9	2422.3	2429.5	2443.5	2431.9	2366.4	2211.9	2001.4	1823.7	1798.2	1688.8
25°	2464.3	2471.5	2466.7	2456.3	2405.6	2371.6	2338.1	2181.9	1950.7	1916.0	1775.8
27.5°	2564.9	2576.9	2569.3	2560.1	2502.2	2437.5	2339.3	2262.2	2080.5	2038.6	1873.7
30°	2673.1	2677.5	2666.7	2652.4	2610.4	2554.1	2460.7	2325.7	2213.1	2183.9	2012.6
32.5°	2754.2	2755.4	2750.2	2753.4	2710.7	2672.7	2607.2	2471.9	2366.4	2356.5	2241.0
35°	2814.1	2827.3	2823.3	2837.2	2811.7	2792.5	2757.4	2690.7	2523.0	2483.4	2307.7
37.5°	2872.8	2887.6	2899.5	2906.7	2882.8	2880.8	2874.4	2766.6	2457.5	2404.0	2203.5
40°	2891.2	2899.5	2949.5	2978.2	2941.5	2939.5	2926.3	2789.7	2585.3	2548.5	2344.1
42.5°	2872.0	2870.4	2929.9	2951.9	2971.8	2992.2	3017.7	2965.8	2800.9	2778.9	2555.7
45°	2750.6	2732.2	2764.2	2878.0	2947.1	3025.7	3133.9	3157.5	3049.7	3017.7	2788.5
47.5°	2595.3	2583.3	2623.2	2757.8	2880.4	3036.9	3227.0	3365.6	3300.1	3270.1	3057.3
50°	2350.9	2364.8	2447.9	2595.6	2771.8	3019.3	3302.1	3566.4	3585.2	3563.2	3328.0
52.5°	2031.4	2041.4	2218.7	2408.0	2622.0	2907.1	3334.8	3773.7	3881.9	3869.5	3604.8
55°	1689.2	1719.1	1846.5	2138.8	2396.0	2767.0	3312.0	3941.0	4195.4	4174.2	3895.5
57.5°	1398.1	1429.2	1517.1	1781.8	2128.8	2554.9	3227.4	4059.6	4475.3	4477.3	4167.0
60°	1136.1	1163.6	1228.3	1442.0	1815.4	2302.1	3058.1	4083.6	4701.3	4720.1	4363.9
62.5°	951.6	962.8	1023.9	1176.4	1500.3	1999.8	2820.9	3975.3	4812.7	4849.5	4454.1
63°	924.5	919.3	987.9	1134.1	1416.8	1932.8	2771.8	3933.8	4813.1	4851.1	4453.7
65°	784.7	792.3	836.6	960.4	1192.8	1652.8	2489.8	3715.4	4718.5	4773.2	4353.5
67.5°	615.4	622.6	683.3	783.9	949.2	1340.2	2118.1	3329.6	4397.8	4446.9	4012.9
70°	488.0	491.2	529.9	621.4	771.1	1044.2	1664.4	2790.5	3811.2	3849.5	3399.5
72.5°	395.7	406.1	431.7	487.2	584.2	793.5	1255.9	2200.7	3009.4	2951.9	2499.4
75°	331.8	335.0	360.6	388.1	438.5	571.4	906.1	1622.5	2051.8	2047.4	1628.9
77.5°	280.3	286.7	292.7	305.9	334.6	406.5	636.5	1126.9	1306.6	1284.2	939.2
80°	236.4	238.8	236.4	238.8	249.6	275.1	413.3	738.0	833.0	774.7	571.4
82.5°	164.9	176.9	178.5	186.5	190.5	201.3	276.3	480.8	530.3	476.8	336.6
85°	97.8	96.6	101.4	115.0	128.2	127.0	175.3	240.4	285.9	266.0	161.7
87.5°	34.7	32.7	32.7	40.3	43.5	47.1	57.5	75.1	71.1	71.5	40.3
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°	1604.1	1604.1	1604.1	1604.1	1604.1	1604.1	1604.1	1604.1	1604.1	1604.1	1604.1
2.5°	1602.5	1595.7	1592.5	1586.9	1578.2	1573.4	1569.0	1563.0	1561.0	1555.8	1555.0
5°	1596.9	1590.1	1577.0	1562.6	1550.6	1541.4	1524.6	1514.7	1505.5	1503.9	1506.3
7.5°	1588.1	1579.8	1559.0	1538.2	1514.7	1499.1	1477.5	1463.5	1455.6	1454.0	1457.2
10°	1584.5	1569.4	1539.0	1509.5	1479.9	1455.6	1432.0	1414.4	1402.8	1401.3	1397.7
12.5°	1581.0	1561.8	1520.3	1483.1	1440.8	1412.4	1386.9	1372.5	1360.5	1358.9	1358.1
15°	1579.4	1555.0	1501.1	1451.2	1404.4	1370.5	1344.9	1333.4	1329.8	1327.4	1328.6
17.5°	1581.7	1550.2	1484.3	1418.8	1365.3	1331.0	1311.0	1303.4	1302.2	1303.0	1305.8
20°	1594.5	1553.8	1470.3	1391.7	1331.0	1295.8	1281.1	1277.1	1277.1	1281.5	1284.2
22.5°	1623.3	1573.0	1463.1	1369.7	1302.2	1269.5	1252.3	1247.5	1252.7	1260.7	1262.7
25°	1699.2	1628.5	1477.5	1357.3	1279.9	1240.7	1222.4	1221.6	1227.1	1234.3	1235.1
27.5°	1785.8	1698.0	1511.1	1355.3	1259.1	1211.2	1191.6	1189.2	1192.0	1199.2	1199.2
30°	1904.8	1790.6	1561.8	1369.7	1244.7	1178.8	1155.7	1148.1	1151.3	1160.5	1157.7
32.5°	2093.3	1938.4	1640.5	1394.9	1231.5	1146.5	1115.7	1109.3	1109.3	1116.5	1119.7
35°	2184.3	2047.8	1680.0	1385.3	1202.0	1108.9	1072.2	1063.0	1075.0	1088.6	1090.6
37.5°	2091.7	1952.3	1624.5	1343.3	1160.1	1064.6	1029.5	1021.9	1032.3	1045.4	1047.0
40°	2202.7	2041.0	1667.2	1344.5	1133.7	1023.1	982.0	957.6	959.2	969.6	967.2
42.5°	2389.2	2192.7	1730.3	1350.1	1101.8	978.0	916.9	874.5	868.5	870.1	872.5
45°	2602.8	2363.6	1805.0	1351.3	1061.0	922.5	837.0	784.7	769.9	761.1	758.7
47.5°	2831.3	2546.5	1886.4	1348.5	1008.7	851.0	755.9	703.6	675.3	662.1	663.3
50°	3078.8	2735.8	1959.1	1335.4	952.8	775.1	679.3	628.1	596.2	588.6	585.0
52.5°	3313.2	2921.5	2029.0	1316.2	890.1	697.6	607.0	563.1	536.3	529.1	527.5
55°	3561.2	3106.0	2087.7	1283.0	819.4	624.6	543.5	513.9	495.2	490.4	491.2
57.5°	3773.7	3268.5	2119.2	1234.7	751.5	559.9	497.2	477.6	466.0	468.4	470.0
60°	3931.8	3350.4	2112.9	1165.2	682.5	507.2	459.2	448.8	448.8	468.4	474.4
62.5°	3956.2	3334.0	2048.6	1065.4	607.4	462.8	426.5	416.5	426.5	450.4	455.2
63°	3941.8	3306.9	2031.8	1033.1	595.8	453.2	419.3	409.7	423.3	442.5	442.5
65°	3800.0	3162.3	1882.8	925.2	534.7	421.7	394.1	389.3	408.1	420.9	422.9
67.5°	3453.0	2866.4	1628.1	765.9	470.8	385.8	361.0	369.4	383.4	393.3	396.5
70°	2902.3	2374.4	1302.6	616.2	410.5	348.2	334.2	339.4	352.2	361.0	364.2
72.5°	2112.1	1789.4	977.2	492.0	357.4	311.9	304.3	303.9	312.3	315.5	320.3
75°	1369.3	1197.6	713.6	396.9	305.1	274.7	266.4	264.0	279.9	286.3	292.7
77.5°	816.2	742.0	509.5	326.3	260.0	225.6	230.4	230.4	246.8	266.8	275.9
80°	493.6	453.6	377.8	270.7	204.5	184.5	189.3	192.1	232.0	270.3	273.9
82.5°	297.5	292.3	280.3	209.6	158.5	141.0	150.5	168.9	218.4	167.3	192.9
85°	146.6	157.7	180.1	117.0	98.6	96.2	101.0	149.3	144.6	66.7	62.7
87.5°	37.5	44.7	42.3	31.1	26.8	24.8	33.5	55.9	45.9	16.0	9.6
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

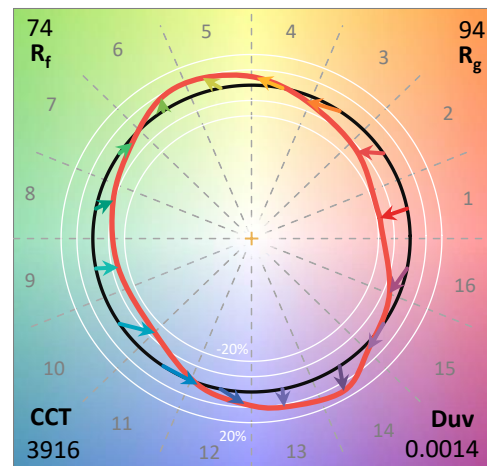
Data in this report applies to families of products including GKO-PB1E-740-U-T4W

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

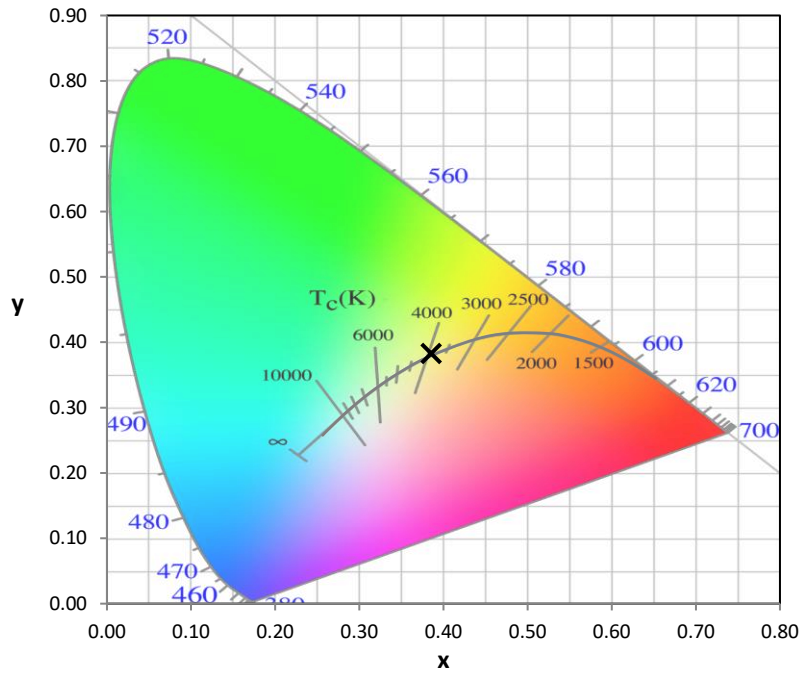
Stabilization Time: 33M
 Operation Time: 1H 33M
 Sphere Temperature (°C): 25.0

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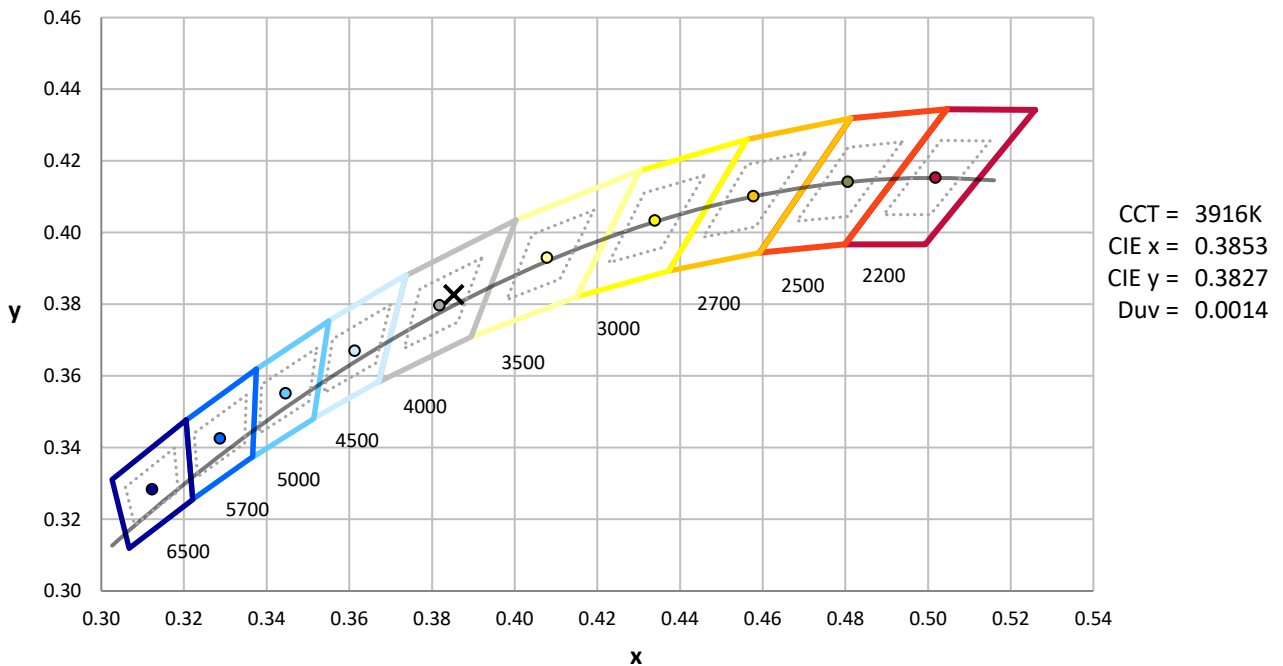
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN2187	1/6/2025	7/6/2025
Power Meter	INXT2011002	1/21/2025	1/21/2026
AC Power Source	IN0458	10/22/2024	10/22/2025
DC Power Source	IN0212	10/22/2024	10/22/2025
Sphere Thermometer	IN4036B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



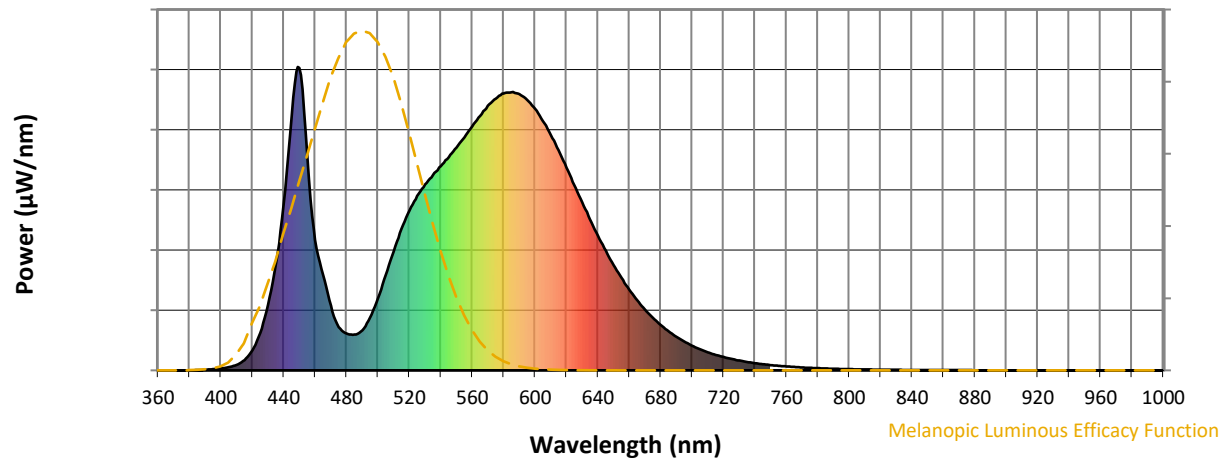
Scotopic Lumens: NR

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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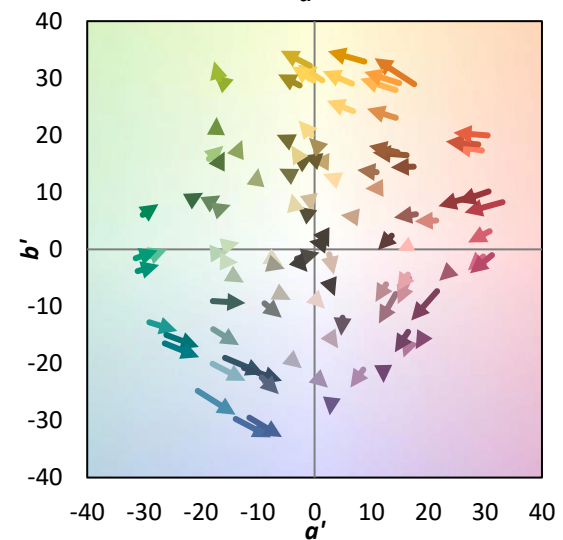
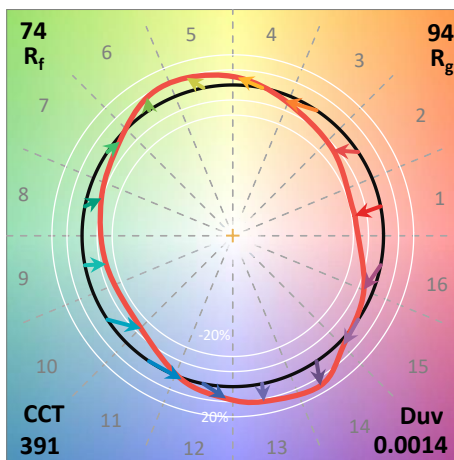
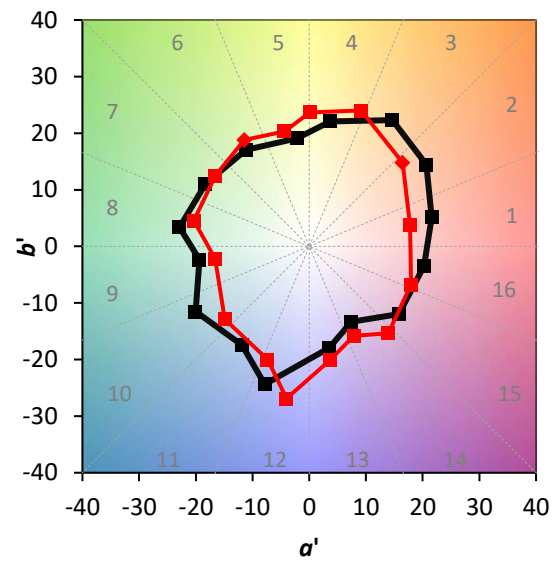
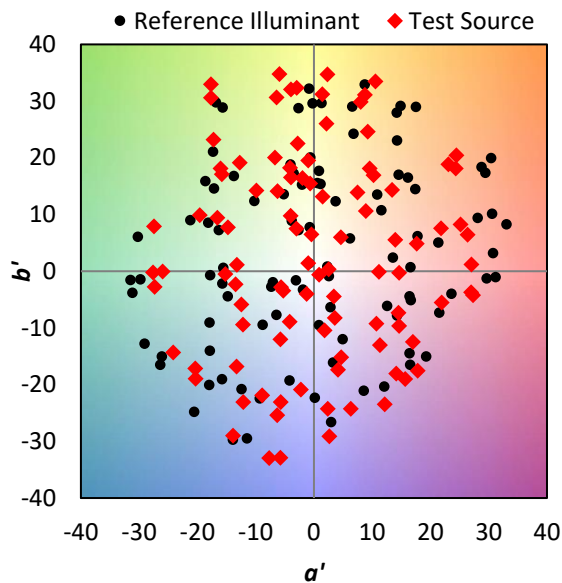
TM-30-18

Summary

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

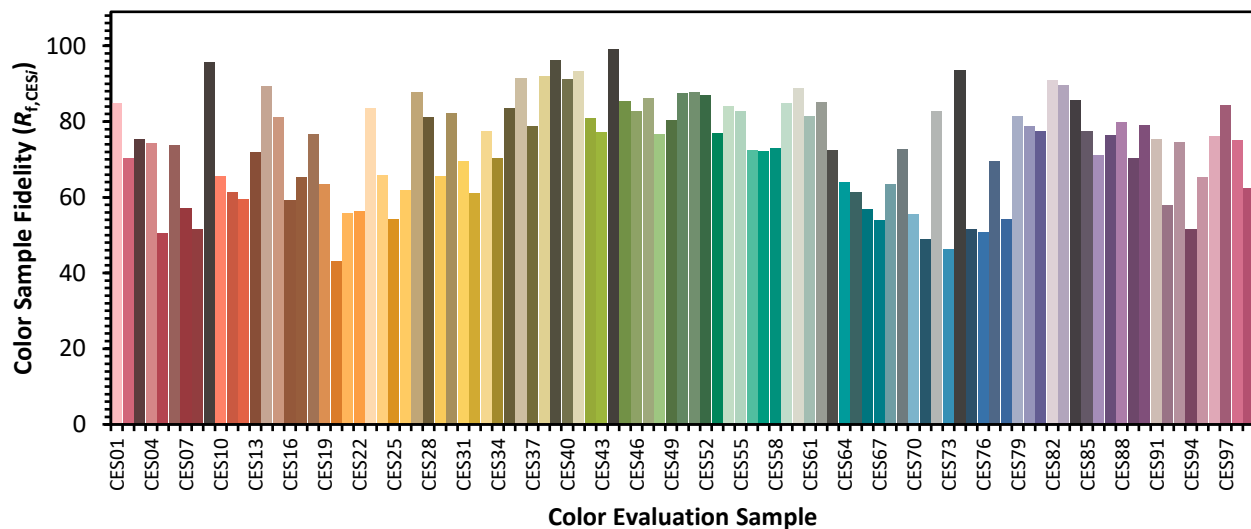


Color Vector Graphics

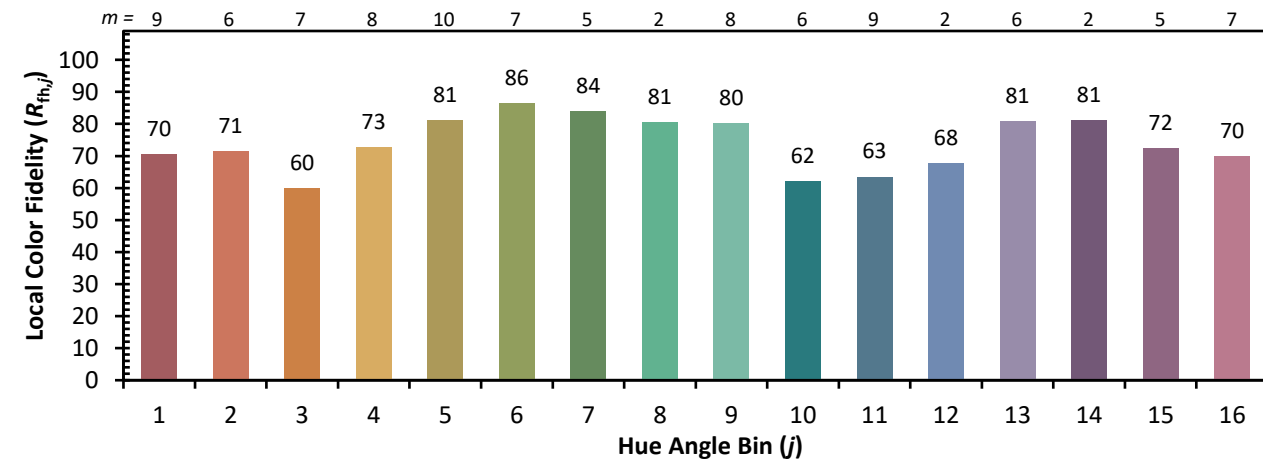
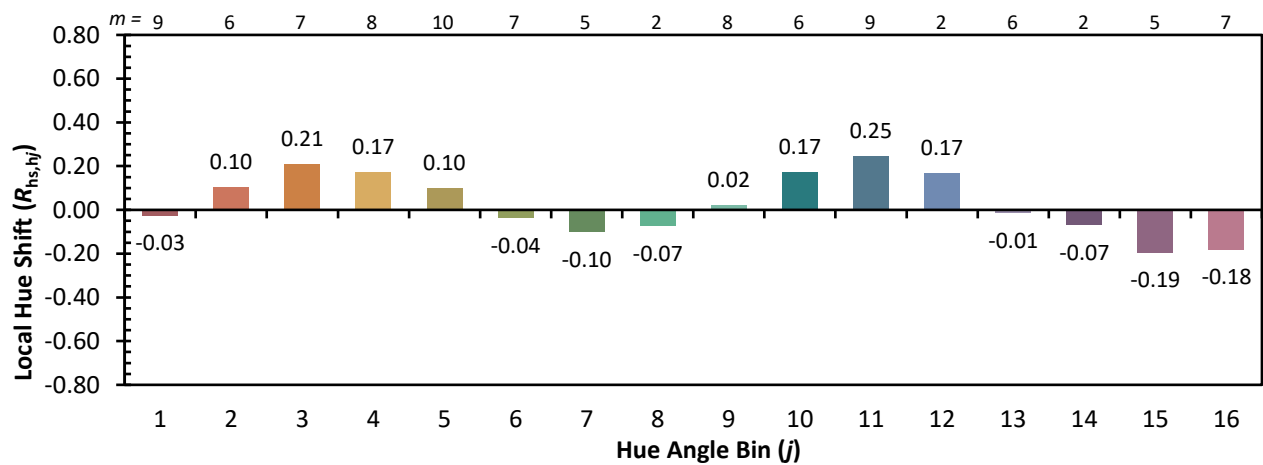
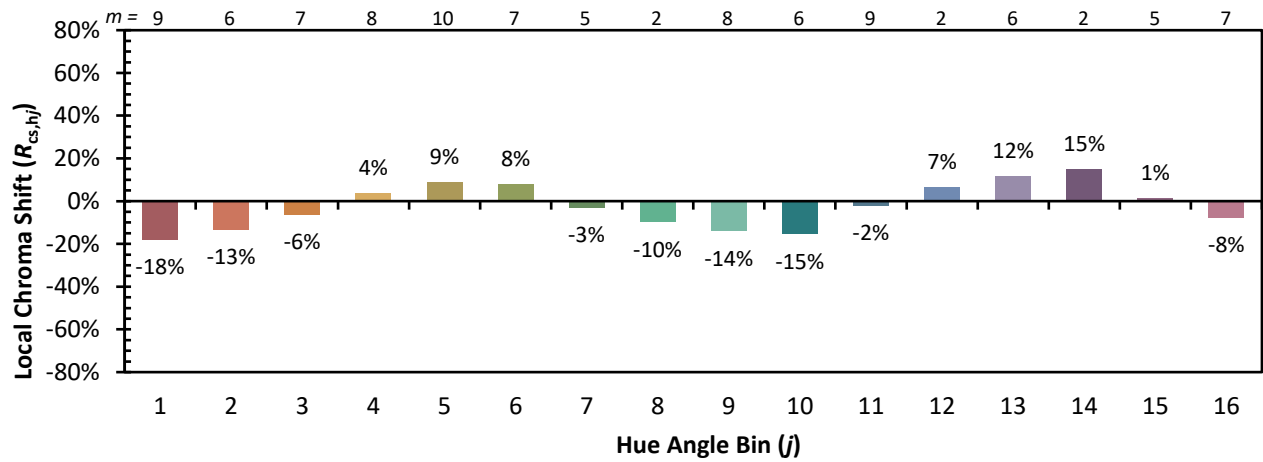


Individual Sample Fidelity Index ($R_{f,i}$)

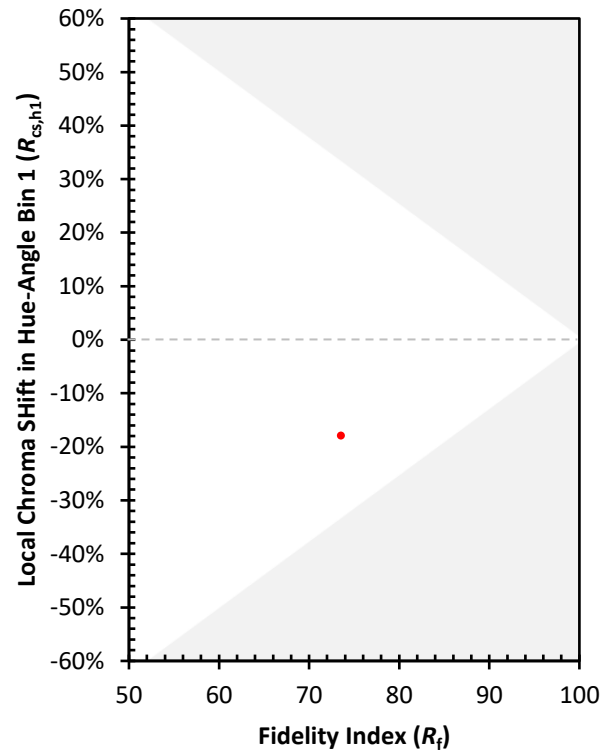
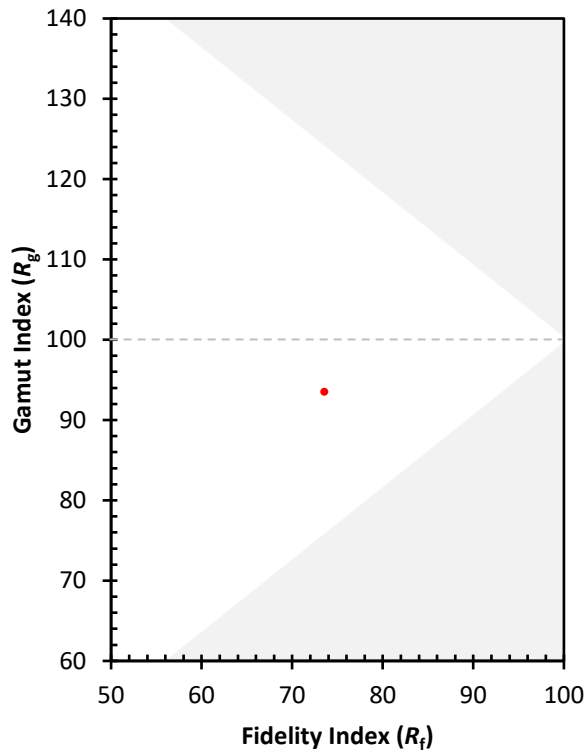
CES01 = 85	CES26 = 62	CES51 = 88	CES76 = 51
CES02 = 61	CES27 = 88	CES52 = 87	CES77 = 70
CES03 = 30	CES28 = 81	CES53 = 77	CES78 = 54
CES04 = 70	CES29 = 66	CES54 = 84	CES79 = 81
CES05 = 47	CES30 = 82	CES55 = 83	CES80 = 79
CES06 = 50	CES31 = 69	CES56 = 73	CES81 = 77
CES07 = 40	CES32 = 61	CES57 = 72	CES82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