

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: P1461754

Luminaire Tested: USSL-70-730-U-T3RE

Issue Date: 06/10/2026

Test Information

Test Method: LM-79-2024
Report Number: P1461754
Test Lab: INNOVATION CENTER(G3)
Issue Date: 6/11/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: STREETWORKS
Catalog Number: USSL-70-730-U-T3RE
Description: USSL DISCRETE LED 1 SQUARE 70W 70CRI 3000K FIXTURE w/ TYPE III ROADWAY
ILLUMINANCE DISTRIBUTION OPTIC
Light Source: (40) 3000K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 11110.3 lumens
Efficiency: N/A
Efficacy: 152.2 lumens/watt
Luminous Opening: Rectangular (W 0.67' x L: 0.67' x H: 0')
IES Classification: Type III - Short
BUG Rating: B2 - U0 - G2

Input Watts (W): 73
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: 0.98
Total Harmonic Distortion (THDi): 2.73%
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT

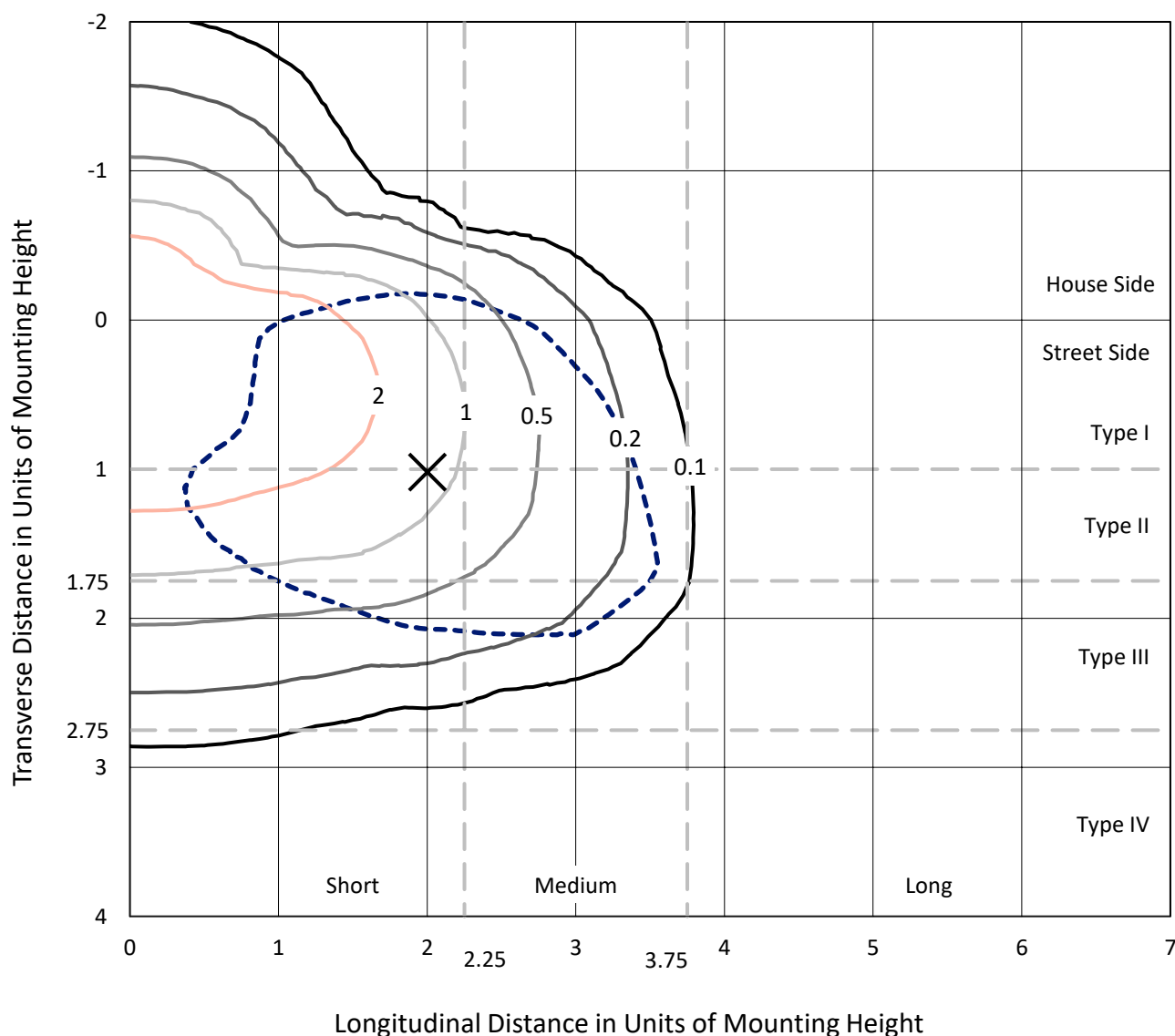
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

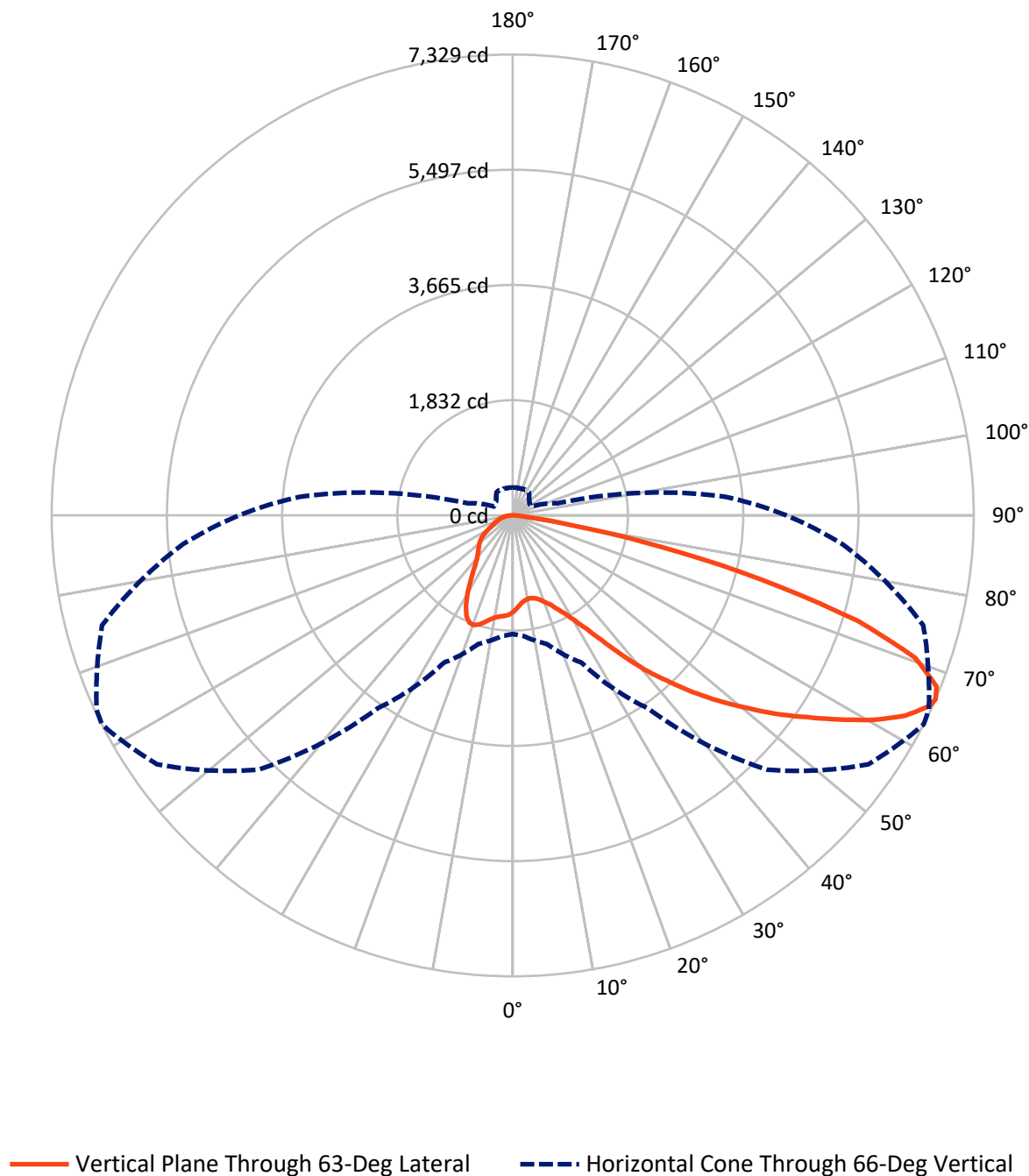


Based on 20 foot mounting height. Maximum calculated value = 4.1 fc
 Type III - Short - N/A

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Luminous Intensity Polar Plot



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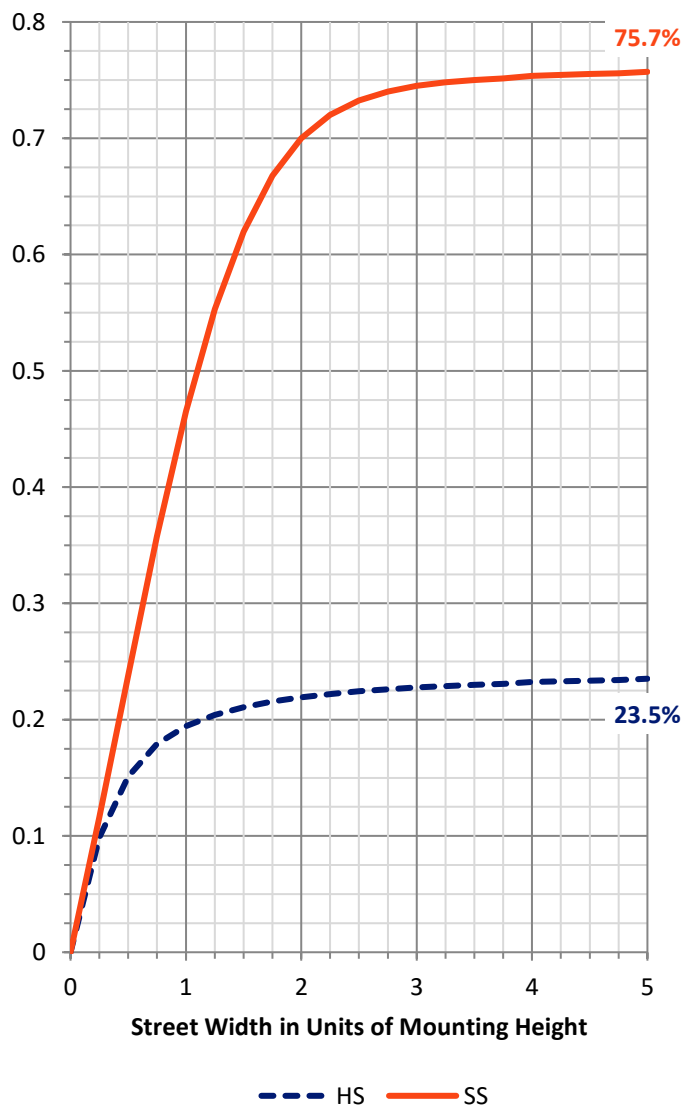
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2657.6	0.0	2657.6
	% Fixture	23.9	0.0	23.9
Street Side	Lumens	8452.7	0.0	8452.7
	% Fixture	76.1	0.0	76.1
Total	Lumens	11110.3	0.0	11110.3
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	142.4	1.3
10°-20°	446.1	4.0
20°-30°	794.7	7.2
30°-40°	1251.3	11.3
40°-50°	1879.0	16.9
50°-60°	2522.5	22.7
60°-70°	2706.6	24.4
70°-80°	1217.8	11.0
80°-90°	150.0	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°	11110.3	100.0
0°-180°	11110.3	100.0

Coefficient of Utilization



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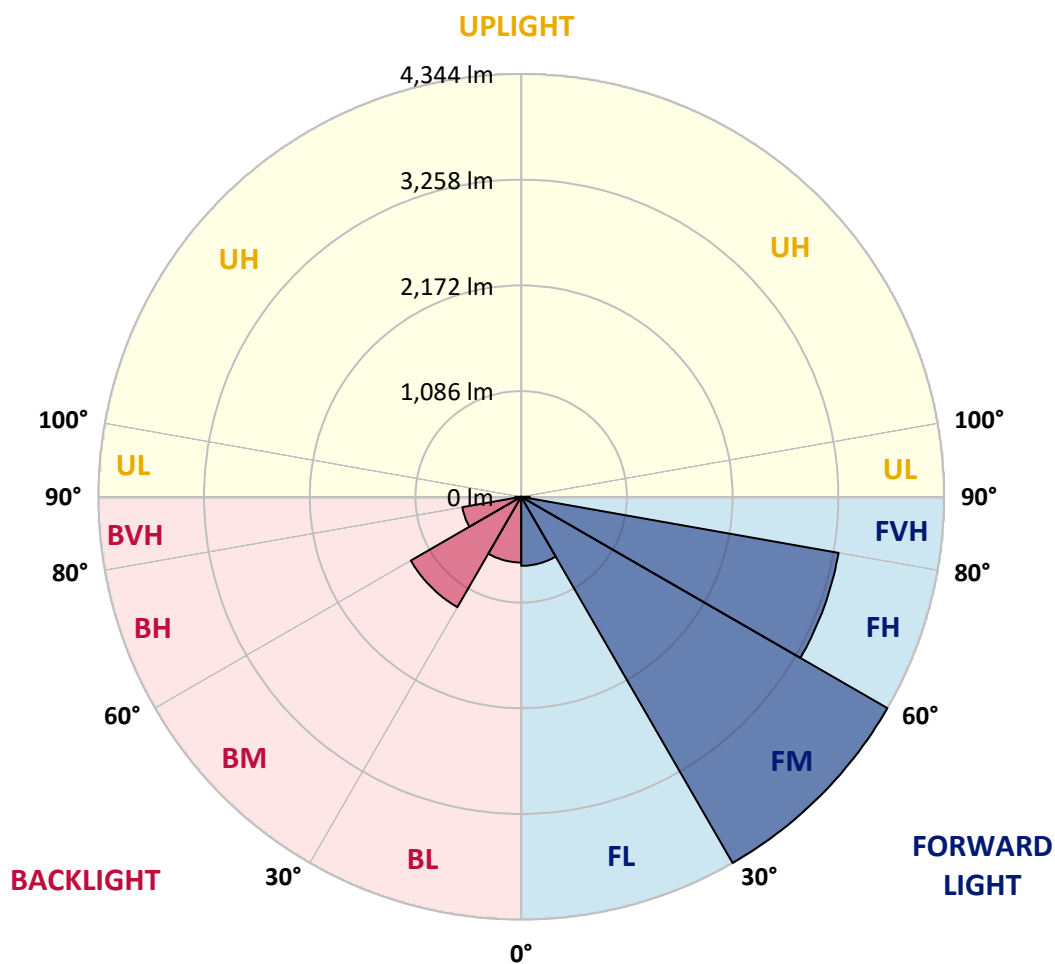
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	708.9	6.4			
FM	(30°-60°)	4343.7	39.1			
FH	(60°-80°)	3310.9	29.8			G2/5000
FVH	(80°-90°)	89.3	0.8			G1/100
BL	(0°-30°)	674.3	6.1	B2/1000		
BM	(30°-60°)	1309.1	11.8	B2/2500		
BH	(60°-80°)	613.6	5.5	B2/1000		G2/1000
BVH	(80°-90°)	60.7	0.5			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 III Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	63°	65°	75°	85°
0°	1531.7	1531.7	1531.7	1531.7	1531.7	1531.7	1531.7	1531.7	1531.7	1531.7	1531.7
2.5°	1373.4	1376.5	1381.2	1388.0	1399.1	1419.5	1446.2	1468.8	1473.5	1501.8	1521.2
5°	1265.9	1269.5	1273.2	1282.6	1302.0	1325.6	1366.0	1406.9	1417.9	1476.7	1528.6
7.5°	1240.7	1241.7	1243.3	1245.9	1257.5	1276.9	1317.8	1367.6	1379.1	1462.5	1546.9
10°	1270.1	1270.6	1270.1	1266.9	1264.3	1271.6	1299.4	1345.6	1361.8	1462.5	1577.9
12.5°	1330.4	1335.6	1331.4	1320.4	1305.2	1300.5	1313.6	1348.2	1363.4	1479.3	1621.9
15°	1415.3	1420.6	1410.6	1394.3	1371.8	1351.9	1348.2	1370.7	1383.8	1505.0	1681.7
17.5°	1519.1	1517.0	1505.5	1483.5	1452.5	1420.6	1402.2	1411.1	1421.1	1543.8	1747.2
20°	1643.9	1651.8	1627.7	1595.2	1559.0	1510.2	1469.8	1473.5	1476.7	1595.2	1825.9
22.5°	1850.0	1859.5	1813.8	1752.0	1684.8	1618.2	1566.9	1540.6	1550.1	1654.4	1907.2
25°	2054.0	2055.6	2022.0	1961.7	1862.1	1755.6	1678.0	1647.1	1645.5	1741.0	2018.4
27.5°	2268.0	2253.8	2215.5	2150.5	2056.6	1933.9	1816.5	1769.8	1765.1	1862.1	2142.1
30°	2465.1	2457.8	2420.0	2350.8	2242.8	2126.9	1990.6	1931.3	1926.1	2040.4	2317.8
32.5°	2648.1	2650.2	2614.6	2541.7	2454.1	2335.6	2199.8	2143.7	2137.4	2297.3	2539.1
35°	2793.9	2789.2	2767.7	2738.9	2668.1	2563.2	2438.4	2437.3	2452.0	2660.2	2823.8
37.5°	2937.1	2933.9	2900.4	2882.5	2887.8	2795.5	2744.6	2803.4	2834.3	3050.9	3147.3
40°	3173.0	3155.7	3112.7	3060.8	3067.1	3024.1	3043.0	3215.0	3271.1	3487.7	3487.7
42.5°	3350.3	3343.5	3336.1	3316.2	3288.4	3253.8	3362.9	3592.0	3646.6	3866.3	3781.9
45°	3416.9	3426.3	3471.4	3551.6	3546.4	3497.1	3710.5	4003.7	4052.4	4251.2	4076.0
47.5°	3474.6	3485.1	3540.1	3705.3	3791.8	3801.3	4086.5	4405.3	4462.5	4656.5	4348.2
50°	3474.0	3496.1	3605.7	3793.4	3957.5	4100.2	4486.6	4810.7	4868.4	5035.7	4584.7
52.5°	3399.6	3414.8	3600.9	3865.2	4088.1	4404.8	4902.5	5240.7	5266.9	5394.9	4790.8
55°	3316.7	3329.8	3523.9	3881.5	4225.5	4740.4	5333.5	5661.8	5703.2	5763.5	5000.0
57.5°	3220.2	3241.2	3434.2	3832.2	4341.4	5071.3	5775.0	6119.6	6139.5	6119.0	5231.2
60°	3103.8	3112.2	3298.9	3705.8	4407.4	5413.2	6203.5	6600.9	6605.1	6473.0	5420.5
62.5°	2690.6	2699.5	2919.2	3443.1	4360.2	5673.8	6575.8	7008.9	7000.5	6740.4	5509.7
65°	2065.0	2102.3	2324.1	2866.8	3998.9	5788.1	6865.2	7294.2	7263.8	6804.4	5387.5
66°	1885.2	1922.9	2116.4	2581.0	3743.6	5715.8	6901.4	7329.3	7299.9	6757.7	5263.2
67.5°	1686.9	1693.8	1851.1	2204.0	3209.7	5380.2	6780.3	7268.5	7235.4	6551.6	4969.6
70°	1229.2	1261.7	1402.2	1671.7	2264.3	4317.8	6115.9	6787.6	6739.4	5842.7	4225.5
72.5°	807.0	820.1	882.0	1003.7	1442.1	2903.5	5049.3	5733.1	5777.1	4662.8	3146.3
75°	562.7	555.3	529.1	541.2	721.0	1416.4	3534.9	4093.3	4149.4	3017.8	1860.5
77.5°	463.0	453.6	410.6	360.3	369.2	527.0	1871.5	2419.5	2375.5	1479.3	840.1
80°	399.6	390.7	344.5	299.4	272.2	251.7	589.4	985.3	913.0	496.6	291.0
82.5°	319.3	314.6	294.2	251.7	220.8	182.0	184.1	256.4	274.3	185.1	127.9
85°	194.0	191.9	193.5	199.3	157.3	133.2	109.6	115.4	112.2	92.8	79.7
87.5°	100.2	92.8	99.6	119.0	93.3	61.4	46.1	47.7	50.3	47.7	40.9
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°	1531.7	1531.7	1531.7	1531.7	1531.7	1531.7	1531.7	1531.7	1531.7	1531.7	1531.7
2.5°	1534.3	1545.9	1564.2	1576.3	1584.2	1588.9	1588.4	1587.8	1586.3	1582.6	1584.7
5°	1551.1	1571.1	1594.6	1602.0	1600.4	1597.8	1593.6	1592.6	1594.1	1591.0	1591.0
7.5°	1579.4	1601.5	1623.5	1619.3	1612.0	1619.8	1632.4	1649.7	1660.2	1666.5	1674.9
10°	1617.2	1647.1	1654.4	1641.8	1650.2	1681.2	1709.5	1728.9	1740.4	1746.2	1752.0
12.5°	1673.8	1699.5	1685.4	1679.6	1716.3	1755.1	1763.0	1748.8	1733.6	1724.7	1725.2
15°	1736.8	1753.5	1724.7	1741.5	1787.1	1783.4	1728.9	1670.7	1628.7	1610.9	1613.0
17.5°	1803.9	1807.0	1769.3	1809.6	1813.8	1729.4	1620.3	1538.5	1511.3	1501.3	1502.4
20°	1882.5	1868.4	1829.0	1868.4	1779.8	1611.4	1492.4	1443.6	1431.6	1436.3	1437.3
22.5°	1952.8	1920.3	1892.0	1881.5	1669.6	1473.0	1396.4	1378.6	1382.3	1390.7	1399.6
25°	2037.2	1978.5	1952.3	1827.0	1524.9	1363.9	1330.4	1332.5	1333.0	1340.3	1347.1
27.5°	2131.1	2045.1	1993.2	1700.6	1371.3	1285.8	1276.3	1277.9	1272.7	1272.7	1279.0
30°	2243.8	2124.8	2000.0	1529.6	1232.3	1215.5	1215.0	1204.0	1182.5	1177.2	1180.9
32.5°	2400.6	2243.8	1970.1	1327.7	1132.7	1147.4	1141.6	1112.7	1083.4	1076.6	1084.4
35°	2632.4	2417.4	1910.9	1142.1	1046.1	1073.4	1066.6	1028.8	985.3	968.5	970.6
37.5°	2869.9	2631.9	1835.9	989.0	968.0	1006.8	991.1	940.7	894.6	863.7	867.9
40°	3119.0	2848.4	1747.8	890.4	900.4	936.0	922.4	860.5	800.7	773.5	786.1
42.5°	3363.9	3055.6	1653.4	825.9	836.4	872.0	857.9	792.9	748.3	719.5	724.2
45°	3583.6	3219.7	1567.9	777.7	781.3	809.1	788.1	750.9	705.8	681.2	679.6
47.5°	3779.8	3341.9	1514.4	738.9	726.8	735.2	732.0	705.8	672.3	649.2	647.1
50°	3948.1	3434.2	1505.0	703.7	668.1	652.9	667.0	659.1	632.9	616.2	614.6
52.5°	4083.9	3518.6	1545.9	668.1	594.1	586.8	607.8	609.9	589.9	582.6	583.1
55°	4248.0	3623.0	1628.7	618.2	528.6	529.6	557.4	559.5	548.0	549.0	551.1
57.5°	4427.4	3740.9	1697.4	553.2	468.3	476.7	513.9	517.6	506.6	510.7	512.3
60°	4578.9	3847.9	1616.7	472.5	414.3	435.8	483.5	481.4	475.1	485.6	488.2
62.5°	4623.0	3820.7	1326.7	402.2	371.8	403.8	462.0	462.5	474.6	492.9	496.1
65°	4467.2	3559.5	904.6	350.3	337.7	376.0	449.4	467.7	462.5	459.9	463.0
66°	4350.8	3395.9	738.9	332.5	325.1	368.1	446.3	453.6	444.2	443.6	443.6
67.5°	4088.1	3056.1	539.6	309.4	311.0	355.5	427.4	421.1	430.0	438.4	441.5
70°	3466.2	2334.0	341.4	273.7	286.3	322.5	381.8	406.4	422.7	432.6	439.4
72.5°	2569.0	1506.6	243.3	241.7	260.1	289.5	350.8	387.0	400.6	443.1	455.2
75°	1574.2	837.4	204.5	215.0	222.9	262.7	317.3	365.5	362.3	374.9	378.1
77.5°	680.1	376.5	174.6	186.2	190.4	222.3	282.6	331.9	331.4	345.0	350.8
80°	232.8	170.9	149.4	151.5	165.2	187.7	241.2	287.9	288.4	294.2	287.9
82.5°	123.8	116.4	120.1	124.3	141.1	153.1	199.3	249.1	229.7	163.1	160.5
85°	78.1	69.7	79.2	93.3	103.3	111.2	152.1	187.7	163.6	71.8	64.0
87.5°	31.5	31.5	36.7	49.3	44.6	48.2	81.3	106.4	87.0	28.8	15.2
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: SP2-2501-321-4

Test Date: 04/10/2025

Luminaire Tested: GKO-PB1E-730-U-T4W

Data in this report applies to families of products including GKO-PB1E-730-U-T4W

Test Information

Test Method: LM-79-2019
 Report Number: SP2-2501-321-4
 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-730-U-T4W**
 Description: Gekko Wedge Wall Pack Fixture 1 SQ w/ T4W distribution

Spectral Parameters

CCT (K): 3072
 CIE u' : 0.2482
 CIE v' : 0.5193
 Duv: -0.0004
 CIE x: 0.4313
 CIE y: 0.4010
 CIE z: 0.1677
 Peak Wavelength (nm): 593
 Dominant Wavelength (nm): 582
 Purity: 49.8225
 R_f: 74.7
 R_g: 94.2

CRI (Ra): 71.7
 R1: 68.1
 R2: 82.1
 R3: 93.4
 R4: 67.3
 R5: 67.2
 R6: 74.9
 R7: 77.5
 R8: 43.4
 R9: -33.9
 R10: 58.6
 R11: 62.0
 R12: 48.5
 R13: 70.7
 R14: 96.4
 R15: 60.2



Test Conditions

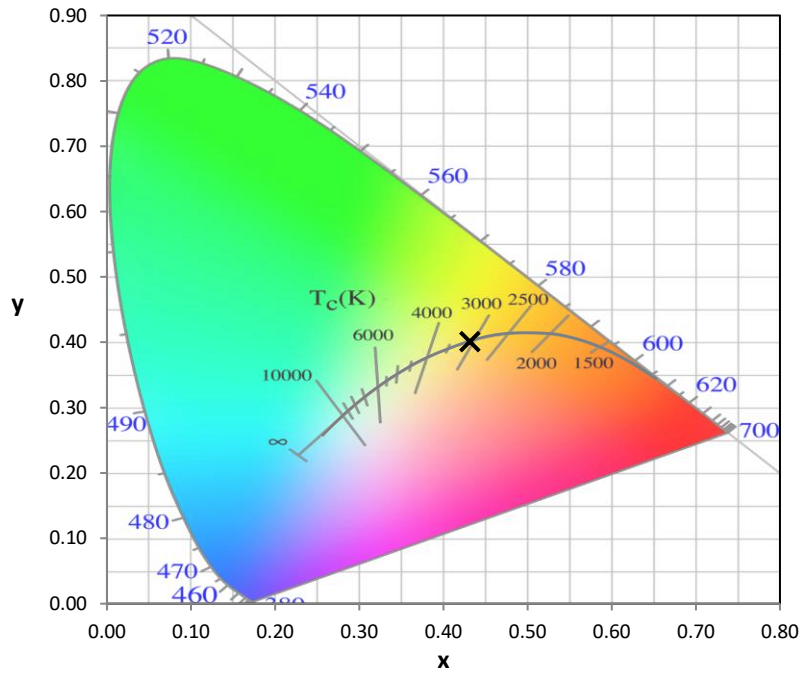
Stabilization Time: 30M
 Operation Time: 1H 30M
 Sphere Temperature (°C): 25.7

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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 3000K 4-step quadrangle

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Photopic Flux vs. Wavelength

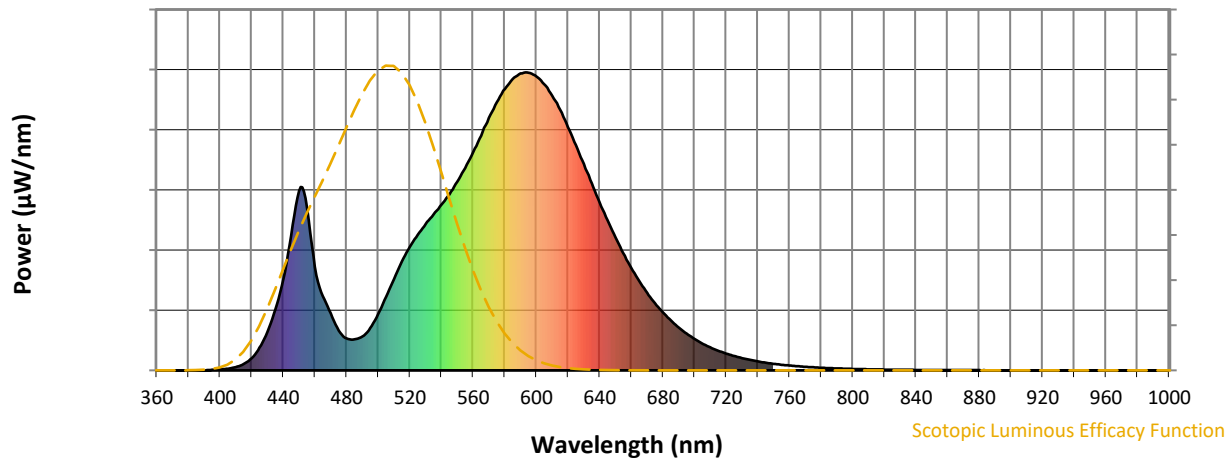


Photopic Lumens: NR

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	114	NR	620	817	NR	750	22	NR	880	1	NR
365	0	NR	495	141	NR	625	756	NR	755	19	NR	885	1	NR
370	0	NR	500	189	NR	630	693	NR	760	16	NR	890	0	NR
375	0	NR	505	247	NR	635	628	NR	765	14	NR	895	0	NR
380	0	NR	510	307	NR	640	564	NR	770	12	NR	900	0	NR
385	0	NR	515	366	NR	645	504	NR	775	10	NR	905	0	NR
390	0	NR	520	415	NR	650	446	NR	780	9	NR	910	0	NR
395	2	NR	525	455	NR	655	393	NR	785	8	NR	915	0	NR
400	3	NR	530	491	NR	660	344	NR	790	7	NR	920	0	NR
405	6	NR	535	523	NR	665	300	NR	795	6	NR	925	0	NR
410	11	NR	540	556	NR	670	260	NR	800	5	NR	930	0	NR
415	21	NR	545	591	NR	675	226	NR	805	4	NR	935	0	NR
420	41	NR	550	632	NR	680	195	NR	810	4	NR	940	0	NR
425	76	NR	555	679	NR	685	167	NR	815	3	NR	945	0	NR
430	129	NR	560	732	NR	690	144	NR	820	3	NR	950	0	NR
435	205	NR	565	787	NR	695	123	NR	825	2	NR	955	0	NR
440	307	NR	570	847	NR	700	105	NR	830	2	NR	960	0	NR
445	451	NR	575	900	NR	705	90	NR	835	2	NR	965	0	NR
450	603	NR	580	944	NR	710	77	NR	840	2	NR	970	0	NR
455	544	NR	585	977	NR	715	66	NR	845	1	NR	975	0	NR
460	348	NR	590	997	NR	720	56	NR	850	1	NR	980	0	NR
465	249	NR	595	998	NR	725	48	NR	855	1	NR	985	0	NR
470	191	NR	600	986	NR	730	41	NR	860	1	NR	990	0	NR
475	133	NR	605	960	NR	735	35	NR	865	1	NR	995	0	NR
480	107	NR	610	921	NR	740	30	NR	870	1	NR	1000	0	NR
485	104	NR	615	874	NR	745	26	NR	875	1	NR			

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Scotopic Flux vs. Wavelength



Scotopic Lumens: NR

S/P: 1.24

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	114	NR	620	817	NR	750	22	NR	880	1	NR
365	0	NR	495	141	NR	625	756	NR	755	19	NR	885	1	NR
370	0	NR	500	189	NR	630	693	NR	760	16	NR	890	0	NR
375	0	NR	505	247	NR	635	628	NR	765	14	NR	895	0	NR
380	0	NR	510	307	NR	640	564	NR	770	12	NR	900	0	NR
385	0	NR	515	366	NR	645	504	NR	775	10	NR	905	0	NR
390	0	NR	520	415	NR	650	446	NR	780	9	NR	910	0	NR
395	2	NR	525	455	NR	655	393	NR	785	8	NR	915	0	NR
400	3	NR	530	491	NR	660	344	NR	790	7	NR	920	0	NR
405	6	NR	535	523	NR	665	300	NR	795	6	NR	925	0	NR
410	11	NR	540	556	NR	670	260	NR	800	5	NR	930	0	NR
415	21	NR	545	591	NR	675	226	NR	805	4	NR	935	0	NR
420	41	NR	550	632	NR	680	195	NR	810	4	NR	940	0	NR
425	76	NR	555	679	NR	685	167	NR	815	3	NR	945	0	NR
430	129	NR	560	732	NR	690	144	NR	820	3	NR	950	0	NR
435	205	NR	565	787	NR	695	123	NR	825	2	NR	955	0	NR
440	307	NR	570	847	NR	700	105	NR	830	2	NR	960	0	NR
445	451	NR	575	900	NR	705	90	NR	835	2	NR	965	0	NR
450	603	NR	580	944	NR	710	77	NR	840	2	NR	970	0	NR
455	544	NR	585	977	NR	715	66	NR	845	1	NR	975	0	NR
460	348	NR	590	997	NR	720	56	NR	850	1	NR	980	0	NR
465	249	NR	595	998	NR	725	48	NR	855	1	NR	985	0	NR
470	191	NR	600	986	NR	730	41	NR	860	1	NR	990	0	NR
475	133	NR	605	960	NR	735	35	NR	865	1	NR	995	0	NR
480	107	NR	610	921	NR	740	30	NR	870	1	NR	1000	0	NR
485	104	NR	615	874	NR	745	26	NR	875	1	NR			

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Melanopic Flux vs. Wavelength



Melanopic Lumens: NR

M/P: 2.3

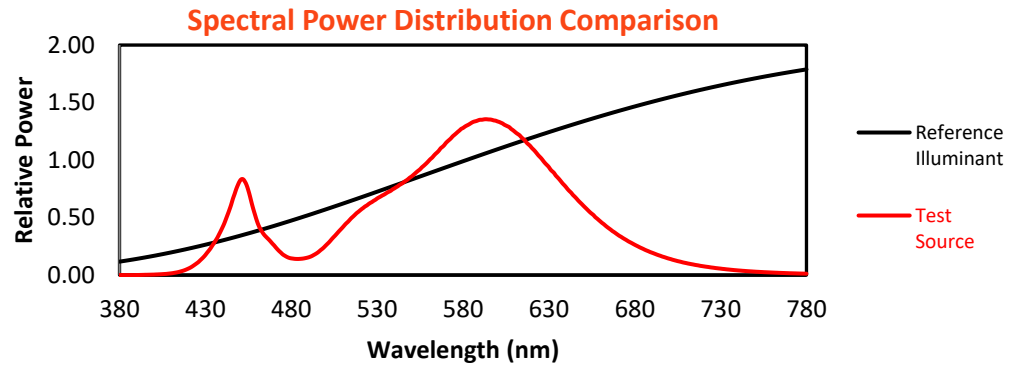
λ (nm)	Power $\text{W}^{\wedge}/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^{\wedge}/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^{\wedge}/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^{\wedge}/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^{\wedge}/\text{nm}$	Lumens (ϕ/nm)
360	0	NR	490	114	NR	620	817	NR	750	22	NR	880	1	NR
365	0	NR	495	141	NR	625	756	NR	755	19	NR	885	1	NR
370	0	NR	500	189	NR	630	693	NR	760	16	NR	890	0	NR
375	0	NR	505	247	NR	635	628	NR	765	14	NR	895	0	NR
380	0	NR	510	307	NR	640	564	NR	770	12	NR	900	0	NR
385	0	NR	515	366	NR	645	504	NR	775	10	NR	905	0	NR
390	0	NR	520	415	NR	650	446	NR	780	9	NR	910	0	NR
395	2	NR	525	455	NR	655	393	NR	785	8	NR	915	0	NR
400	3	NR	530	491	NR	660	344	NR	790	7	NR	920	0	NR
405	6	NR	535	523	NR	665	300	NR	795	6	NR	925	0	NR
410	11	NR	540	556	NR	670	260	NR	800	5	NR	930	0	NR
415	21	NR	545	591	NR	675	226	NR	805	4	NR	935	0	NR
420	41	NR	550	632	NR	680	195	NR	810	4	NR	940	0	NR
425	76	NR	555	679	NR	685	167	NR	815	3	NR	945	0	NR
430	129	NR	560	732	NR	690	144	NR	820	3	NR	950	0	NR
435	205	NR	565	787	NR	695	123	NR	825	2	NR	955	0	NR
440	307	NR	570	847	NR	700	105	NR	830	2	NR	960	0	NR
445	451	NR	575	900	NR	705	90	NR	835	2	NR	965	0	NR
450	603	NR	580	944	NR	710	77	NR	840	2	NR	970	0	NR
455	544	NR	585	977	NR	715	66	NR	845	1	NR	975	0	NR
460	348	NR	590	997	NR	720	56	NR	850	1	NR	980	0	NR
465	249	NR	595	998	NR	725	48	NR	855	1	NR	985	0	NR
470	191	NR	600	986	NR	730	41	NR	860	1	NR	990	0	NR
475	133	NR	605	960	NR	735	35	NR	865	1	NR	995	0	NR
480	107	NR	610	921	NR	740	30	NR	870	1	NR	1000	0	NR
485	104	NR	615	874	NR	745	26	NR	875	1	NR			

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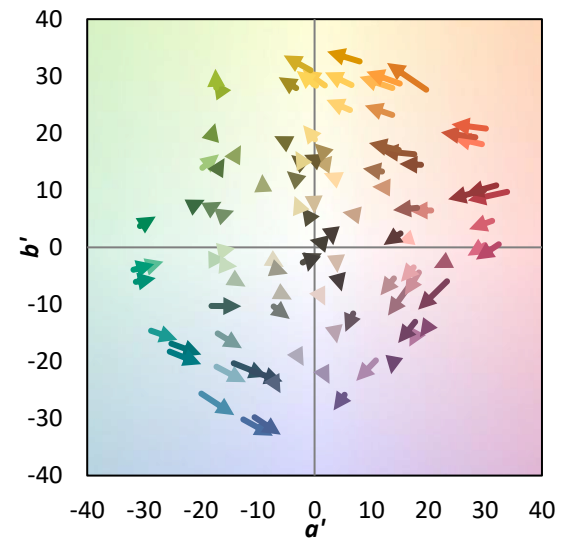
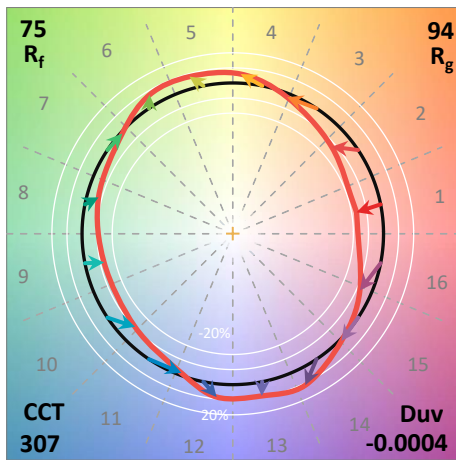
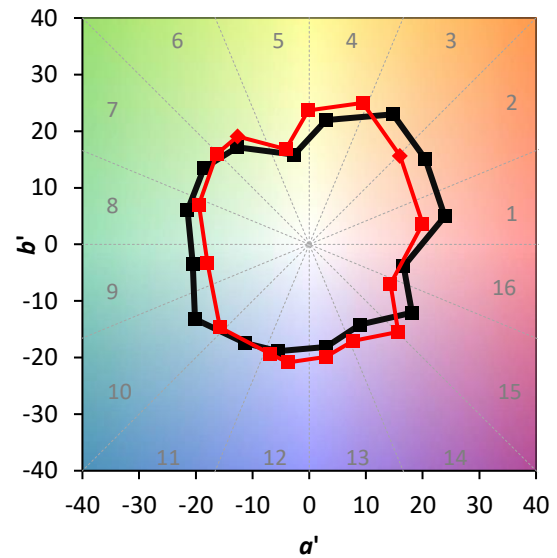
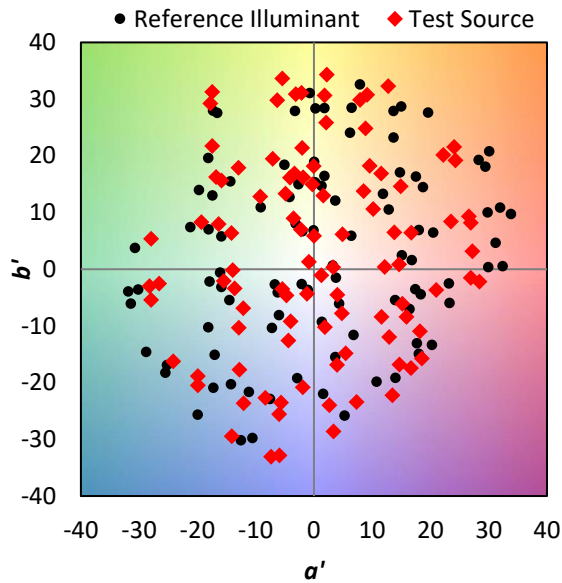
TM-30-18

Summary

$R_f = 74.7$
 $R_g = 94.2$
 $CIE R_a = 71.7$
 $R_g = -33.9$

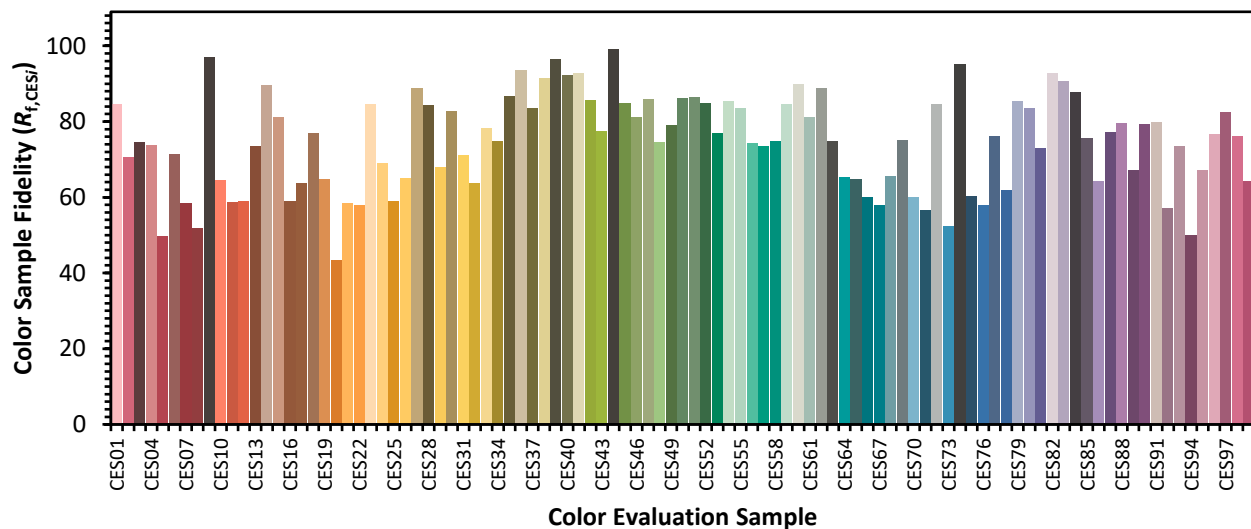


Color Vector Graphics

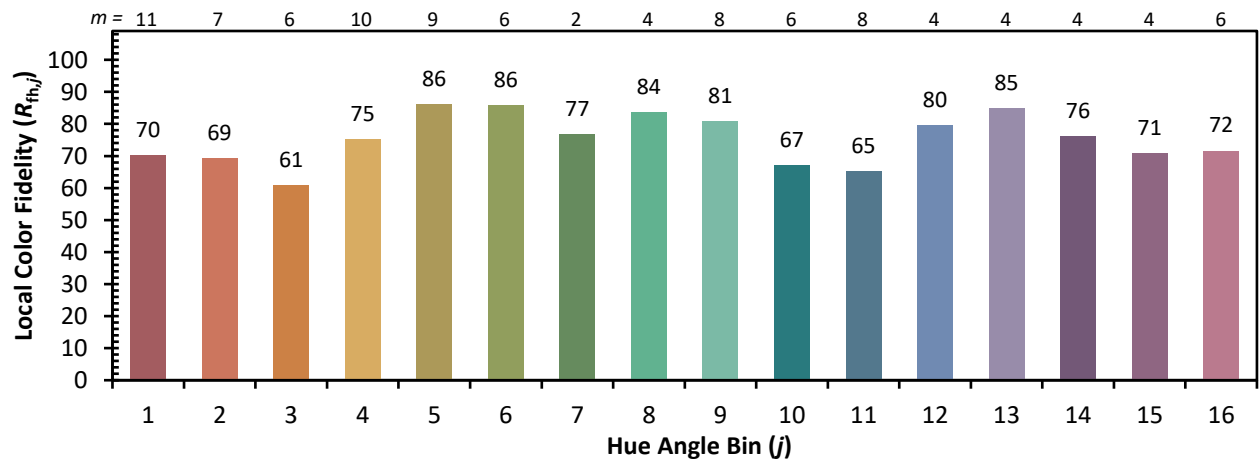
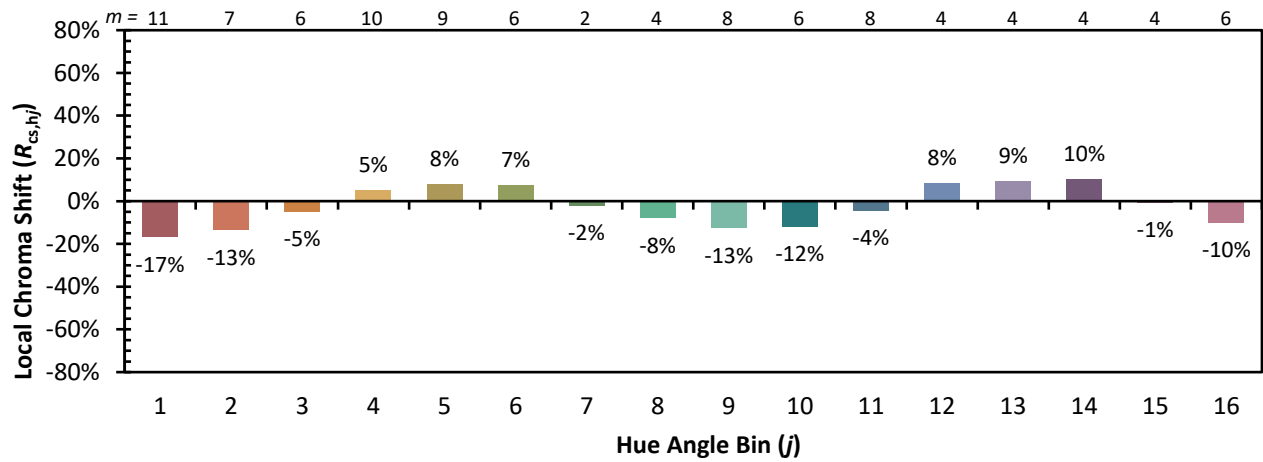


Individual Sample Fidelity Index ($R_{f,i}$)

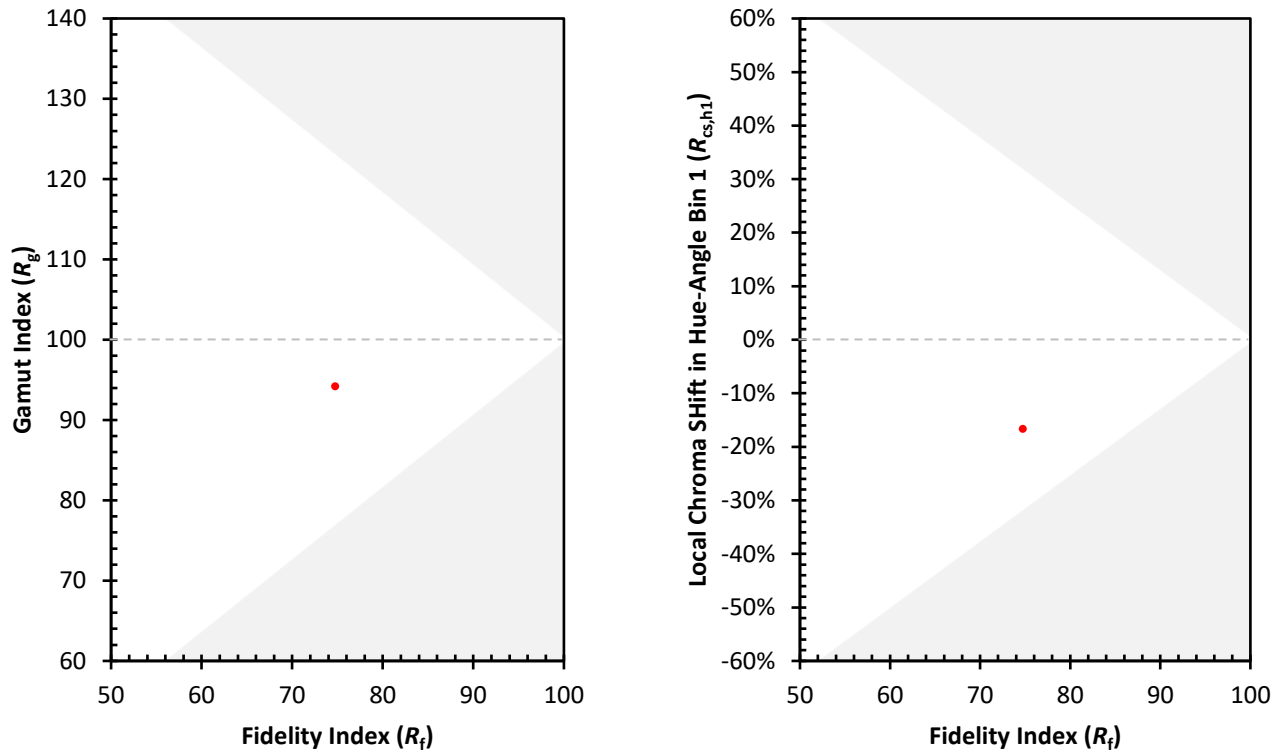
CES01 = 86	CES26 = 65	CES51 = 86	CES76 = 58
CES02 = 62	CES27 = 89	CES52 = 85	CES77 = 76
CES03 = 31	CES28 = 84	CES53 = 77	CES78 = 62
CES04 = 71	CES29 = 68	CES54 = 85	CES79 = 85
CES05 = 49	CES30 = 83	CES55 = 84	CES80 = 84
CES06 = 51	CES31 = 71	CES56 = 74	CES81 = 73
CES07 = 41	CES32 = 64	CES57 = 74	CES82 = 93
CES08 = 40	CES33 = 78	CES58 = 75	CES83 = 91
CES09 = 29	CES34 = 75	CES59 = 85	CES84 = 88
CES10 = 76	CES35 = 87	CES60 = 90	CES85 = 76
CES11 = 59	CES36 = 94	CES61 = 81	CES86 = 64
CES12 = 65	CES37 = 84	CES62 = 89	CES87 = 77
CES13 = 43	CES38 = 92	CES63 = 75	CES88 = 80
CES14 = 74	CES39 = 96	CES64 = 65	CES89 = 67
CES15 = 71	CES40 = 92	CES65 = 65	CES90 = 79
CES16 = 47	CES41 = 93	CES66 = 60	CES91 = 80
CES17 = 50	CES42 = 86	CES67 = 58	CES92 = 57
CES18 = 56	CES43 = 78	CES68 = 66	CES93 = 74
CES19 = 73	CES44 = 99	CES69 = 75	CES94 = 50
CES20 = 66	CES45 = 85	CES70 = 60	CES95 = 67
CES21 = 87	CES46 = 81	CES71 = 57	CES96 = 77
CES22 = 79	CES47 = 86	CES72 = 85	CES97 = 83
CES23 = 92	CES48 = 75	CES73 = 52	CES98 = 76
CES24 = 91	CES49 = 79	CES74 = 95	CES99 = 64
CES25 = 73	CES50 = 86	CES75 = 60	



Color Rendition by Hue-Angle Bin



Measure Comparisons



(END OF REPORT)