

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: P1461858

Luminaire Tested: USSL-70-730-U-T4RE

Issue Date: 06/10/2026

Test Information

Test Method: LM-79-2024
Report Number: P1461858
Test Lab: INNOVATION CENTER(G3)
Issue Date: 6/11/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: STREETWORKS
Catalog Number: USSL-70-730-U-T4RE
Description: USSL DISCRETE LED 1 SQUARE 70W 70CRI 3000K FIXTURE w/ TYPE IV ROADWAY
ILLUMINANCE DISTRIBUTION OPTIC
Light Source: (40) 3000K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 11256.5 lumens
Efficiency: N/A
Efficacy: 154.2 lumens/watt
Luminous Opening: Rectangular (W 0.67' x L: 0.67' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B2 - U0 - G2

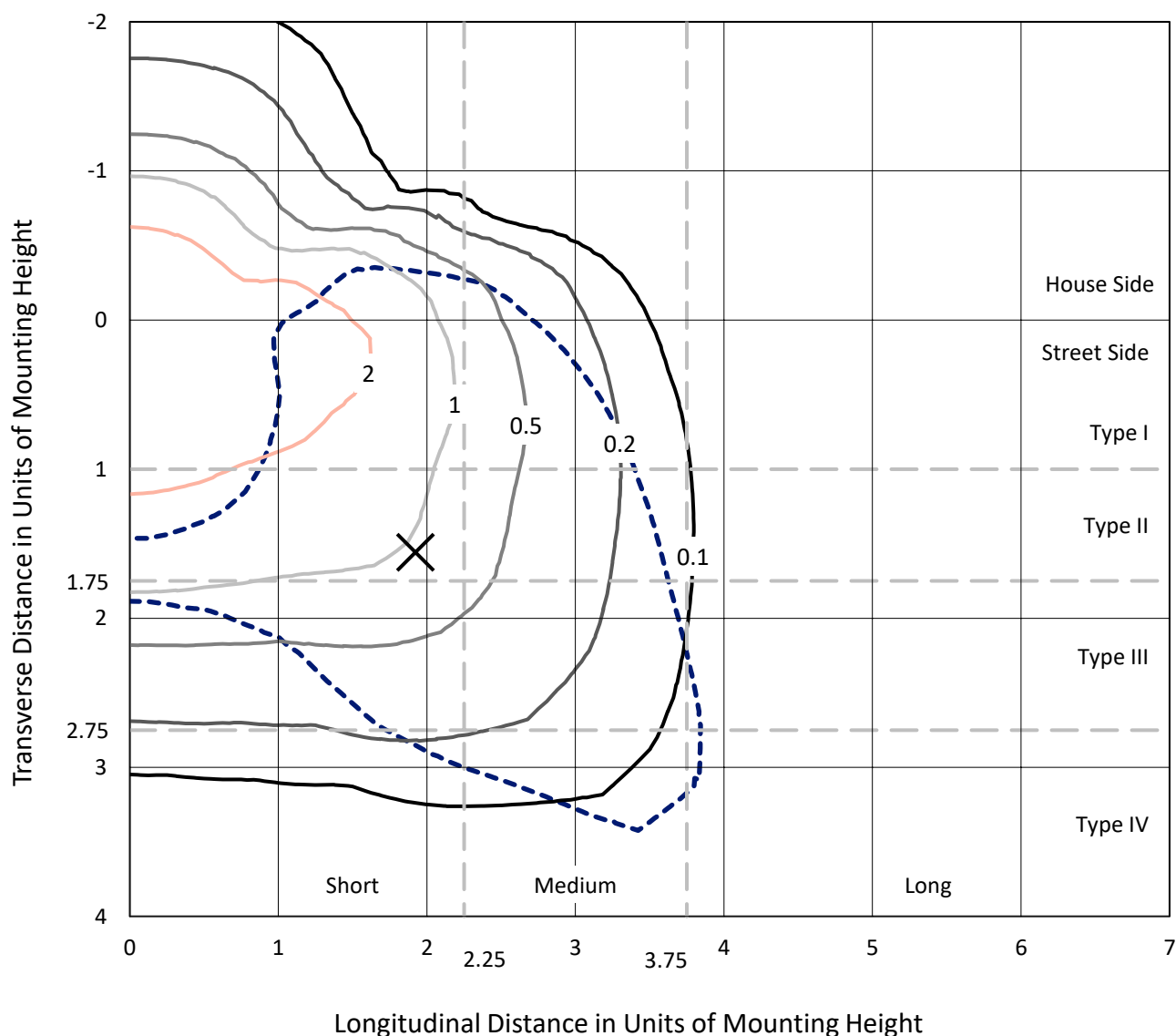
Input Watts (W): 73
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: 0.98
Total Harmonic Distortion (THDi): 2.73%
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT

REPORT NUMBER: P1461858

CATALOG NUMBER: USSL-70-730-U-T4RE

Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 --- 1/2 Max cd

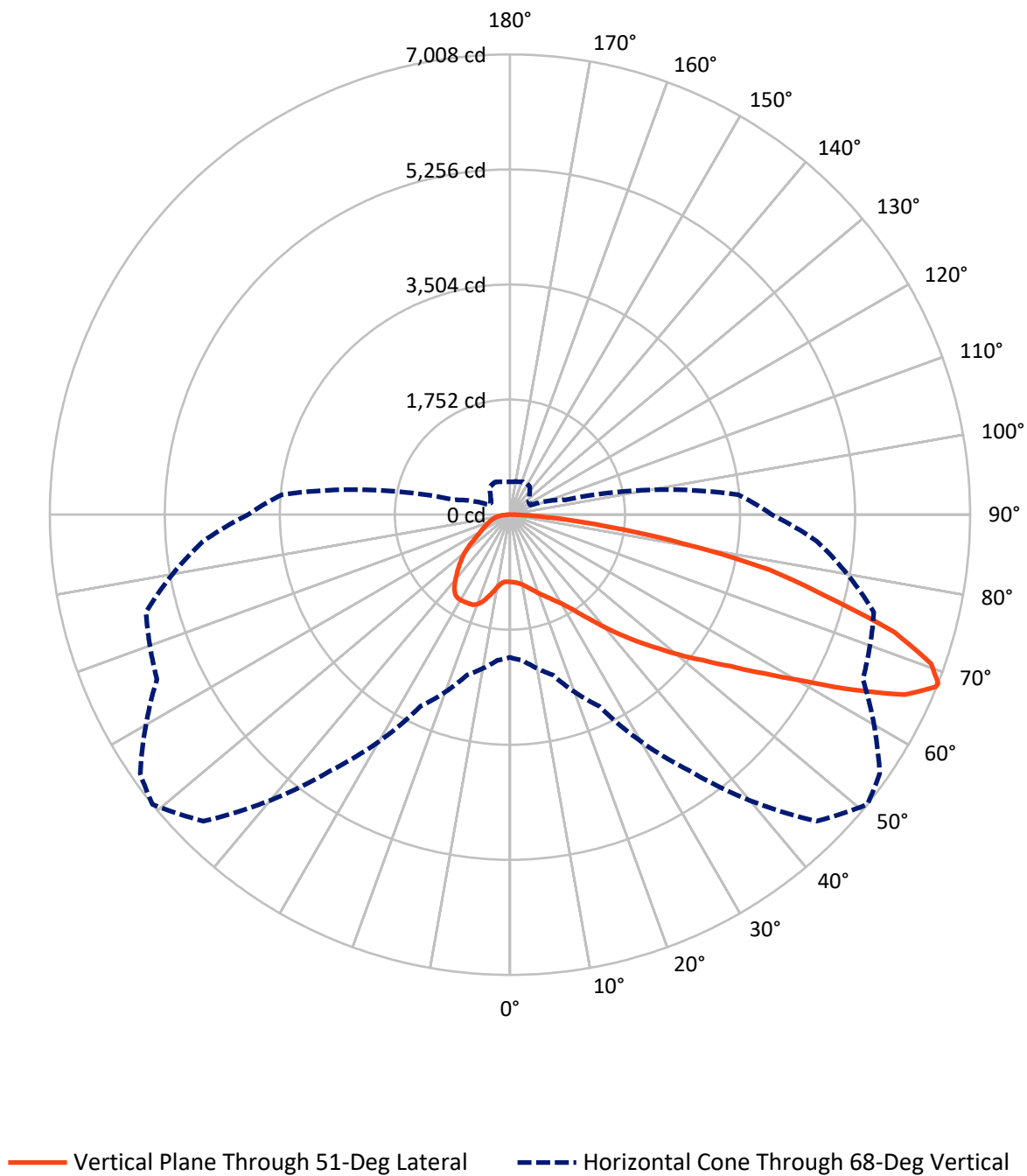


Based on 20 foot mounting height. Maximum calculated value = 3.2 fc
 Type IV - Short - N/A

REPORT NUMBER: P1461858

CATALOG NUMBER: USSL-70-730-U-T4RE

Luminous Intensity Polar Plot



REPORT NUMBER: P1461858

CATALOG NUMBER: USSL-70-730-U-T4RE

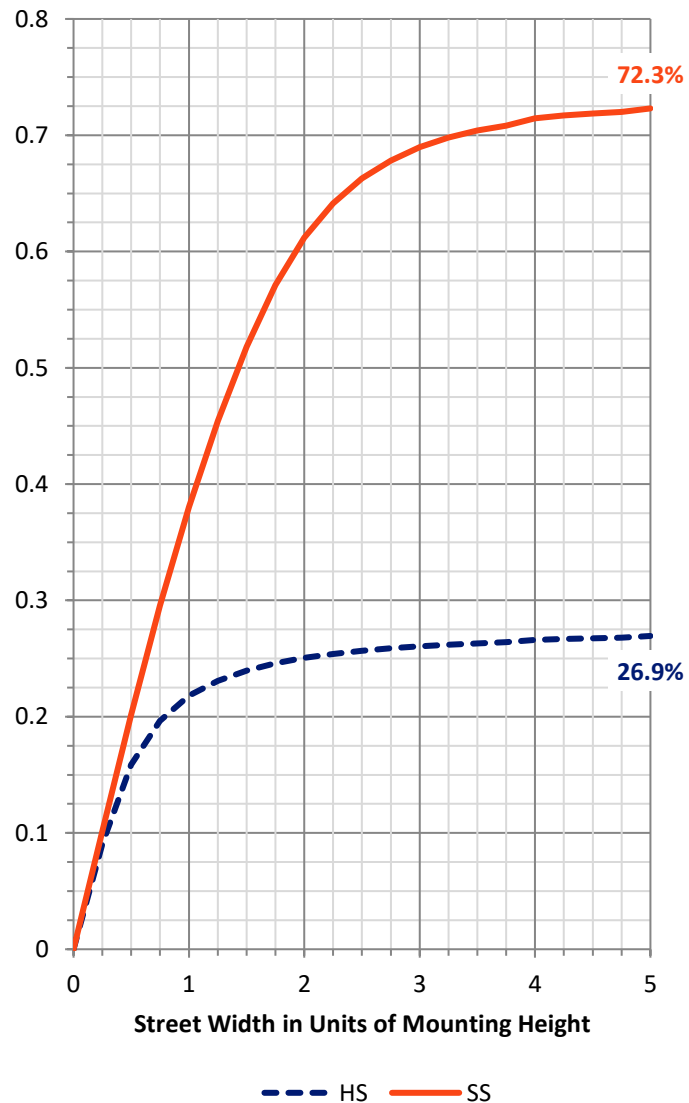
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3077.3	0.0	3077.3
	% Fixture	27.3	0.0	27.3
Street Side	Lumens	8179.2	0.0	8179.2
	% Fixture	72.7	0.0	72.7
Total	Lumens	11256.5	0.0	11256.5
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	101.4	0.9
10°-20°	353.7	3.1
20°-30°	681.4	6.1
30°-40°	1090.4	9.7
40°-50°	1704.7	15.1
50°-60°	2455.2	21.8
60°-70°	2939.7	26.1
70°-80°	1677.5	14.9
80°-90°	252.5	2.2
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°	11256.5	100.0
0°-180°	11256.5	100.0

Coefficient of Utilization



REPORT NUMBER: P1461858

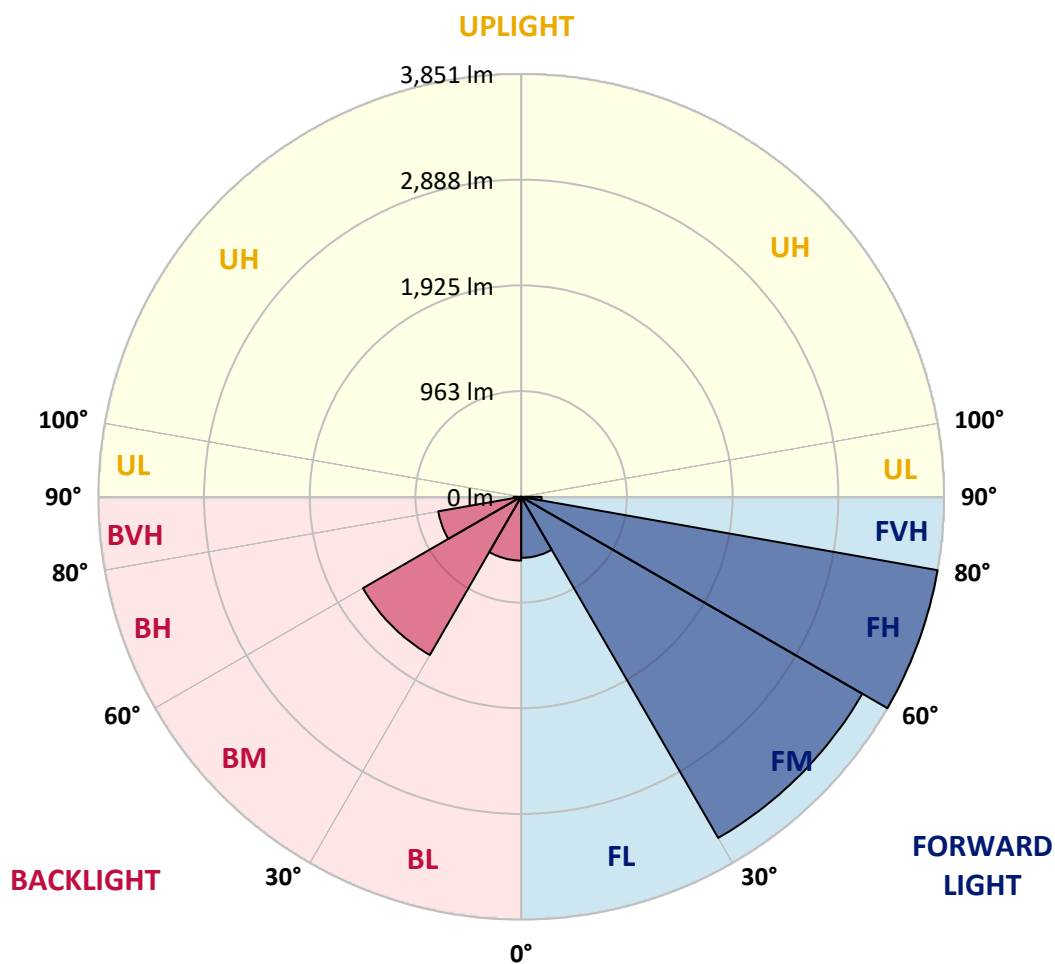
CATALOG NUMBER: USSL-70-730-U-T4RE

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	555.9	4.9			
FM	(30°-60°)	3587.2	31.9			
FH	(60°-80°)	3850.8	34.2			G2/5000
FVH	(80°-90°)	185.3	1.6			G2/225
BL	(0°-30°)	580.6	5.2	B2/1000		
BM	(30°-60°)	1663.2	14.8	B2/2500		
BH	(60°-80°)	766.3	6.8	B2/1000		G2/1000
BVH	(80°-90°)	67.2	0.6			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 IV Short



REPORT NUMBER: P1461858

CATALOG NUMBER: USSL-70-730-U-T4RE

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	51°	55°	65°	75°	85°
0°	1025.1	1025.1	1025.1	1025.1	1025.1	1025.1	1025.1	1025.1	1025.1	1025.1	1025.1
2.5°	1036.1	1035.6	1033.5	1036.6	1033.5	1033.0	1030.3	1031.9	1027.7	1028.2	1028.2
5°	1054.5	1053.4	1052.9	1051.3	1047.7	1047.1	1041.9	1044.5	1040.8	1038.2	1035.1
7.5°	1085.9	1083.8	1080.2	1076.5	1070.2	1063.4	1059.2	1061.8	1057.1	1053.9	1049.7
10°	1134.7	1132.6	1126.3	1119.5	1109.0	1095.9	1087.0	1085.4	1080.2	1075.4	1070.7
12.5°	1189.7	1187.7	1183.5	1175.6	1157.8	1139.4	1125.8	1122.1	1109.5	1102.7	1101.1
15°	1240.1	1236.4	1236.4	1225.9	1211.2	1189.7	1173.0	1167.2	1145.7	1138.9	1138.4
17.5°	1279.4	1275.7	1275.2	1272.1	1257.9	1238.5	1223.8	1218.1	1197.6	1185.6	1187.7
20°	1326.6	1322.9	1321.9	1319.8	1311.4	1293.6	1283.6	1278.9	1253.7	1237.5	1245.9
22.5°	1394.8	1392.1	1387.4	1378.0	1366.5	1355.4	1342.9	1341.3	1320.8	1307.2	1324.0
25°	1475.0	1468.7	1466.6	1451.4	1436.7	1421.0	1410.5	1412.6	1393.7	1382.2	1404.2
27.5°	1575.1	1567.8	1561.0	1545.8	1518.0	1502.8	1490.7	1492.8	1474.5	1473.9	1515.9
30°	1687.9	1685.8	1673.2	1651.2	1616.6	1597.7	1579.3	1583.5	1574.1	1580.4	1650.7
32.5°	1815.3	1815.8	1799.6	1774.4	1738.7	1714.6	1701.0	1703.1	1709.4	1738.7	1823.2
35°	1977.8	1968.4	1968.9	1940.1	1887.7	1866.7	1861.4	1864.6	1886.6	1985.2	2089.0
37.5°	2157.2	2149.3	2149.3	2127.8	2077.5	2041.8	2052.3	2061.2	2137.2	2321.3	2431.4
40°	2350.1	2339.1	2357.0	2349.6	2290.9	2278.8	2273.1	2304.5	2442.9	2696.7	2846.2
42.5°	2493.8	2495.4	2505.9	2516.9	2487.0	2502.2	2516.4	2552.5	2754.9	3108.9	3259.4
45°	2629.1	2630.1	2639.1	2655.8	2667.4	2709.3	2772.8	2824.7	3101.0	3469.1	3629.5
47.5°	2773.8	2768.6	2783.2	2824.7	2840.9	2950.0	3043.8	3134.6	3407.7	3826.7	3976.7
50°	2929.0	2929.5	2945.3	2999.8	3050.7	3217.9	3359.0	3459.1	3742.3	4184.3	4294.4
52.5°	3161.8	3141.9	3157.1	3197.0	3280.3	3505.8	3684.6	3801.0	4077.3	4523.0	4641.0
55°	3421.9	3425.6	3448.1	3475.4	3589.7	3872.8	4071.6	4204.2	4441.8	4932.0	5044.8
57.5°	3671.5	3652.1	3714.5	3802.6	3934.7	4330.1	4562.4	4666.2	4838.7	5421.8	5491.0
60°	3735.5	3740.2	3848.2	4074.7	4363.6	4916.3	5138.1	5190.0	5346.3	6041.0	5868.0
62.5°	3448.1	3462.3	3709.2	4161.2	4756.9	5594.3	5874.3	5877.4	5899.5	6335.2	5887.9
65°	2814.7	2844.1	3177.0	3850.3	4933.1	6259.7	6608.4	6582.7	6135.9	6225.1	5524.0
67.5°	2278.8	2316.6	2622.8	3349.0	4798.3	6595.8	6999.5	6869.0	5998.6	5860.7	4853.9
68°	2174.0	2226.4	2527.4	3217.9	4755.9	6601.0	7007.9	6874.2	5931.4	5738.5	4694.5
70°	1809.0	1864.6	2152.5	2861.9	4581.2	6422.8	6805.0	6694.9	5569.6	5157.5	4062.7
72.5°	1134.7	1168.3	1511.7	2279.3	4174.9	5769.4	6123.4	6096.1	4986.0	4216.8	3079.5
75°	487.1	503.4	750.3	1375.4	3217.4	4872.3	4975.0	4993.4	3953.6	2984.6	1950.6
77.5°	319.3	319.9	347.1	608.2	1947.4	3909.0	4041.7	3736.5	2651.1	1589.8	912.9
80°	268.5	267.4	265.8	291.5	862.0	2627.5	2693.6	2390.5	1348.6	645.0	314.1
82.5°	227.0	221.8	210.8	218.7	336.1	1342.3	1491.8	1311.4	619.3	232.8	141.1
85°	159.4	153.6	139.0	150.5	169.9	584.1	664.9	577.8	219.7	135.8	83.4
87.5°	68.7	57.7	59.8	70.8	76.0	174.1	182.5	128.5	75.0	56.1	33.6
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

REPORT NUMBER: P1461858

CATALOG NUMBER: USSL-70-730-U-T4RE

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1025.1	1025.1	1025.1	1025.1	1025.1	1025.1	1025.1	1025.1	1025.1	1025.1	1025.1
2.5°	1026.2	1026.2	1024.6	1024.1	1022.0	1022.0	1019.3	1019.3	1019.9	1017.8	1018.3
5°	1034.0	1032.4	1030.9	1028.2	1026.7	1026.7	1028.2	1030.3	1031.9	1032.4	1031.9
7.5°	1047.1	1047.1	1046.1	1045.6	1049.7	1058.1	1068.6	1074.4	1086.5	1090.1	1094.3
10°	1070.7	1070.2	1072.8	1083.3	1101.1	1123.2	1142.6	1159.3	1177.2	1179.8	1184.0
12.5°	1098.0	1104.3	1118.4	1145.2	1180.8	1210.2	1239.0	1265.8	1281.5	1292.0	1289.4
15°	1141.0	1151.5	1183.5	1230.6	1266.3	1306.7	1338.1	1361.2	1377.5	1383.2	1388.5
17.5°	1197.6	1216.0	1265.8	1320.3	1361.7	1392.1	1414.7	1421.0	1428.3	1431.5	1433.6
20°	1265.8	1301.4	1363.8	1412.6	1440.4	1448.8	1453.0	1450.9	1454.5	1459.3	1461.9
22.5°	1350.7	1397.9	1467.7	1491.8	1486.0	1473.4	1471.3	1474.5	1483.4	1486.0	1490.2
25°	1451.9	1497.5	1561.5	1543.2	1498.1	1481.8	1496.0	1497.5	1498.6	1497.5	1501.2
27.5°	1569.9	1615.5	1635.4	1552.1	1492.8	1500.2	1512.2	1495.4	1474.5	1460.3	1464.5
30°	1699.4	1732.5	1682.1	1537.4	1494.9	1510.1	1491.3	1436.7	1402.6	1383.8	1386.4
32.5°	1866.2	1864.6	1702.6	1530.1	1508.6	1485.5	1414.7	1352.8	1313.0	1290.4	1291.5
35°	2078.0	2016.6	1718.8	1551.0	1505.4	1419.4	1336.6	1270.0	1238.5	1220.2	1222.3
37.5°	2360.1	2189.7	1755.0	1581.4	1453.0	1336.0	1255.3	1215.4	1199.2	1186.1	1189.2
40°	2728.7	2428.3	1863.0	1588.3	1355.4	1240.1	1207.6	1187.7	1171.9	1157.2	1162.5
42.5°	3041.8	2672.1	2073.8	1540.0	1233.8	1164.6	1176.1	1160.9	1136.8	1110.6	1113.2
45°	3353.7	2889.2	2322.9	1435.1	1109.0	1108.5	1135.2	1112.7	1079.1	1038.7	1039.8
47.5°	3616.4	3102.1	2574.0	1307.2	995.2	1037.2	1070.7	1040.8	985.3	934.9	930.2
50°	3857.1	3343.8	2783.8	1163.0	898.2	949.1	966.9	916.6	872.5	843.7	841.1
52.5°	4115.1	3631.1	2951.6	1035.6	793.3	826.9	842.1	826.4	807.5	790.2	786.5
55°	4447.0	4006.0	3126.7	945.9	681.7	713.1	744.1	770.8	759.3	750.3	745.1
57.5°	4838.7	4483.2	3181.2	830.6	582.6	614.0	691.6	732.5	723.6	717.3	715.2
60°	5133.4	4825.1	2874.5	645.5	501.8	550.6	658.6	704.7	686.4	670.1	665.4
62.5°	5122.4	4736.5	2235.3	489.7	447.8	508.1	625.0	661.7	633.9	619.3	613.0
65°	4738.5	4321.2	1574.1	405.8	399.6	467.2	579.9	608.2	582.6	565.2	562.1
67.5°	4138.2	3681.5	977.4	352.4	357.6	424.7	532.2	559.0	528.5	512.8	513.9
68°	3987.7	3486.4	868.3	341.4	348.2	418.4	522.3	545.3	517.5	502.9	501.8
70°	3407.7	2879.7	573.6	310.9	319.3	388.5	485.0	501.8	478.7	466.7	464.0
72.5°	2517.4	1952.7	330.9	274.8	286.3	351.3	434.7	452.0	447.8	450.9	456.2
75°	1556.8	1127.4	244.3	242.8	254.8	320.9	393.8	425.8	435.2	449.9	453.6
77.5°	743.0	543.8	201.9	209.7	224.9	282.6	358.1	408.5	409.5	411.6	414.2
80°	244.9	207.6	170.4	172.5	194.5	248.5	324.0	360.8	336.1	329.8	322.0
82.5°	129.5	133.7	137.4	139.0	162.0	205.0	254.3	266.9	245.4	172.5	170.4
85°	75.5	79.7	88.1	95.4	111.2	141.6	183.5	184.0	156.3	77.1	67.6
87.5°	25.2	30.4	29.9	35.7	41.9	56.6	77.6	80.2	64.5	26.7	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

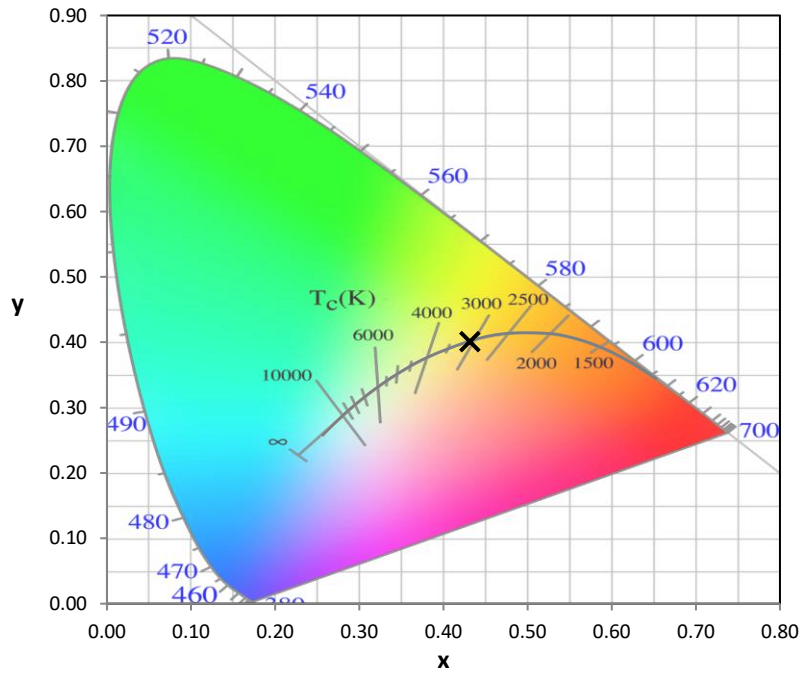
Stabilization Time: 30M
 Operation Time: 1H 30M
 Sphere Temperature (°C): 25.7

REPORT NUMBER: SP2-2501-321-4

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: SP2-2501-321-4

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

REPORT NUMBER: SP2-2501-321-4

Photopic Flux vs. Wavelength

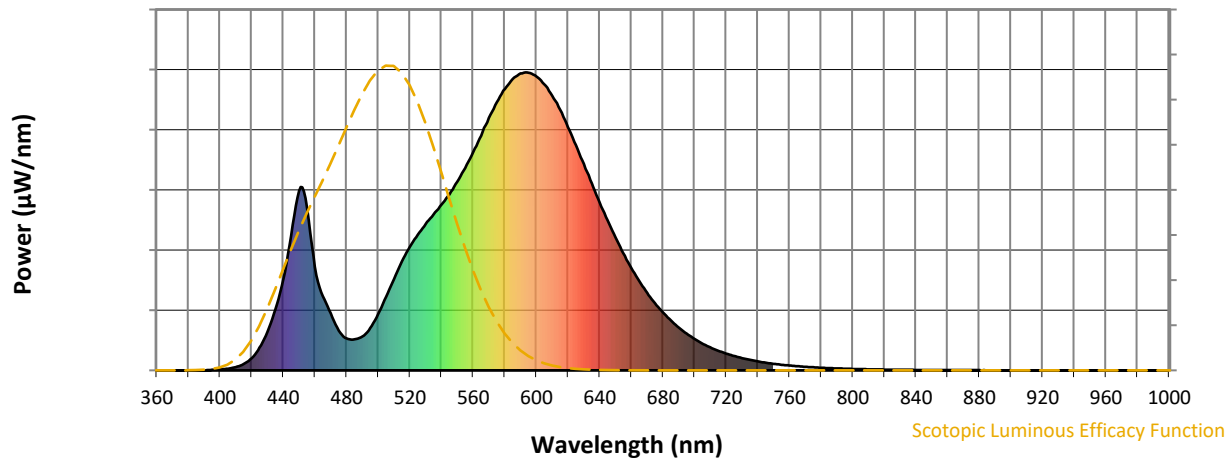


Photopic Lumens: NR

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			

REPORT NUMBER: SP2-2501-321-4

Scotopic Flux vs. Wavelength



Scotopic Lumens: NR

S/P: 1.24

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	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			

REPORT NUMBER: SP2-2501-321-4

Melanopic Flux vs. Wavelength



Melanopic Lumens: NR

M/P: 2.3

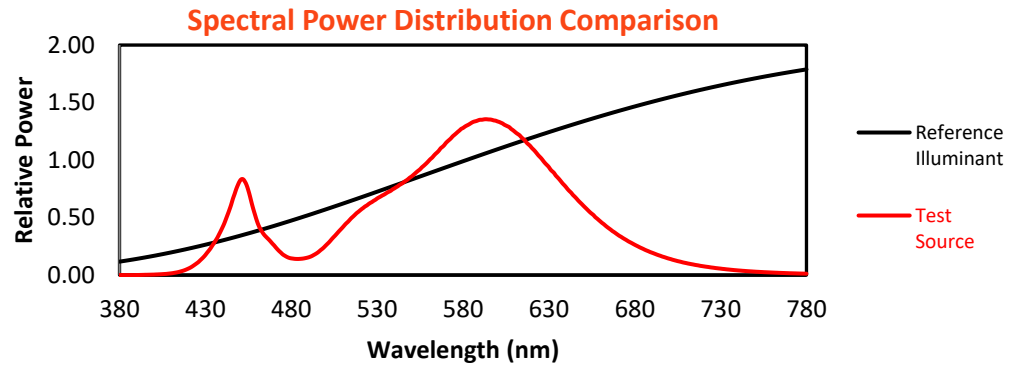
λ (nm)	Power W ^λ /nm	Lumens (φ/nm)	λ (nm)	Power W ^λ /nm	Lumens (φ/nm)	λ (nm)	Power W ^λ /nm	Lumens (φ/nm)	λ (nm)	Power W ^λ /nm	Lumens (φ/nm)	λ (nm)	Power W ^λ /nm	Lumens (φ/nm)
360	0	NR	490	114	NR	620	817	NR	750	22	NR	880	1	NR
365	0	NR	495	141	NR	625	756	NR	755	19	NR	885	1	NR
370	0	NR	500	189	NR	630	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			

REPORT NUMBER: SP2-2501-321-4

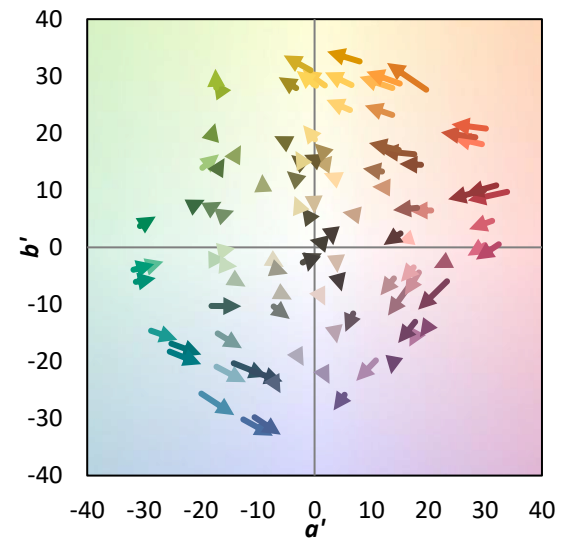
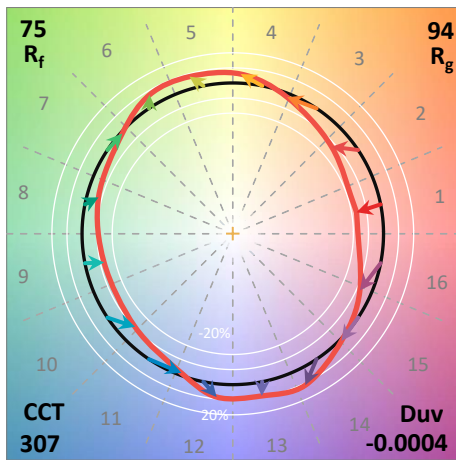
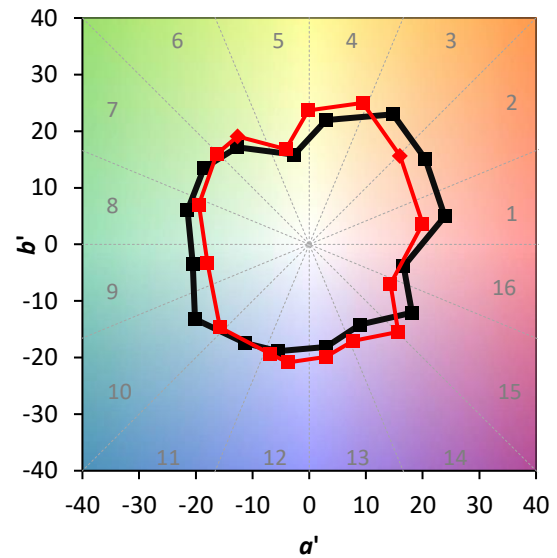
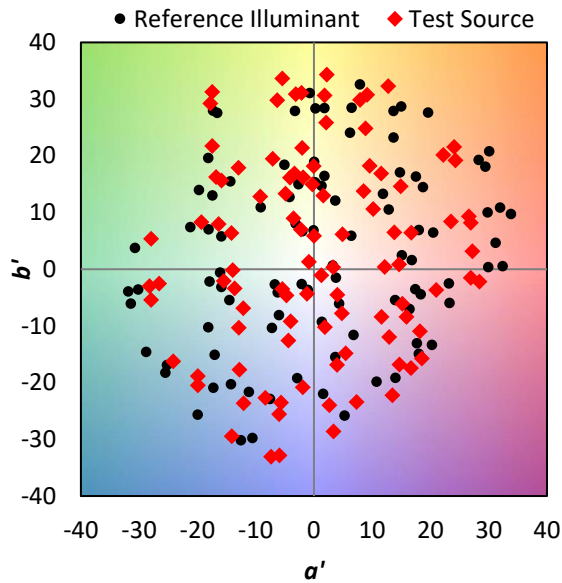
TM-30-18

Summary

$R_f = 74.7$
 $R_g = 94.2$
 $\text{CIE } R_a = 71.7$
 $R_g = -33.9$

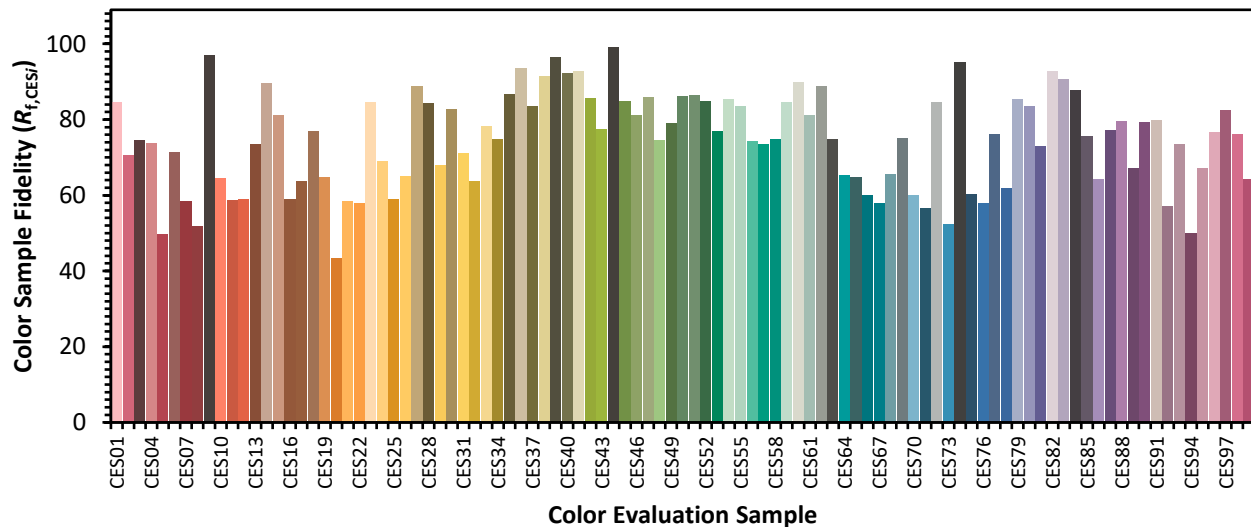


Color Vector Graphics

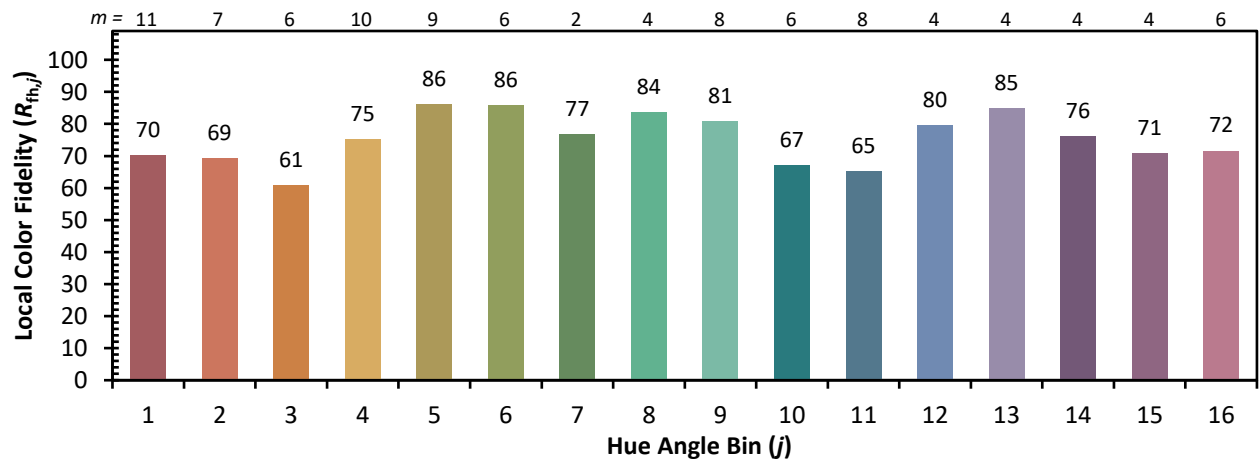
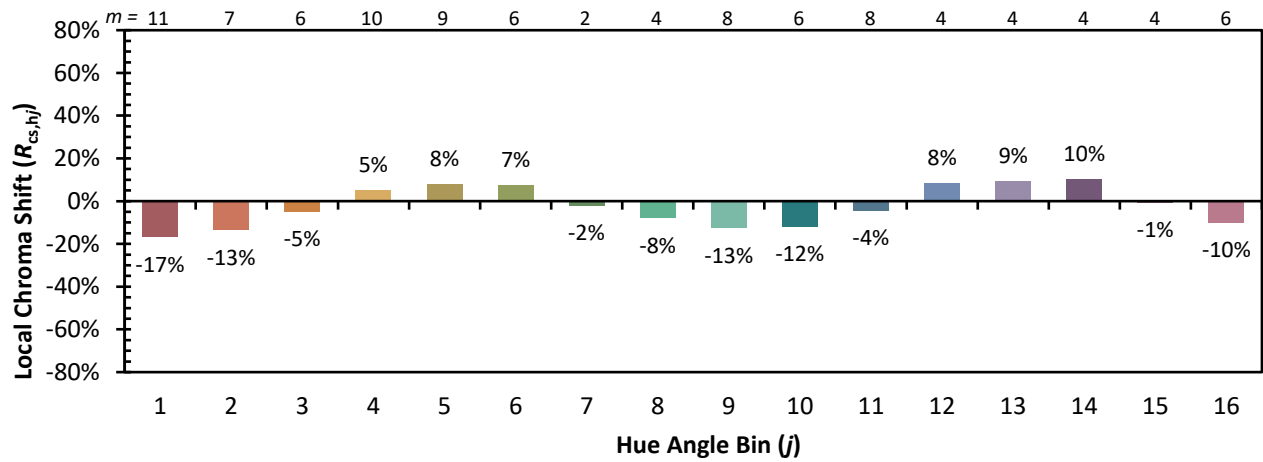


Individual Sample Fidelity Index ($R_{f,i}$)

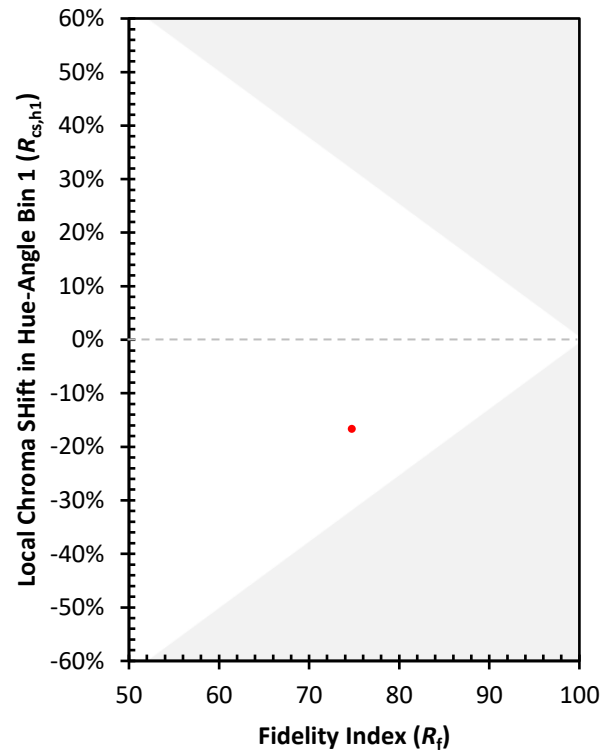
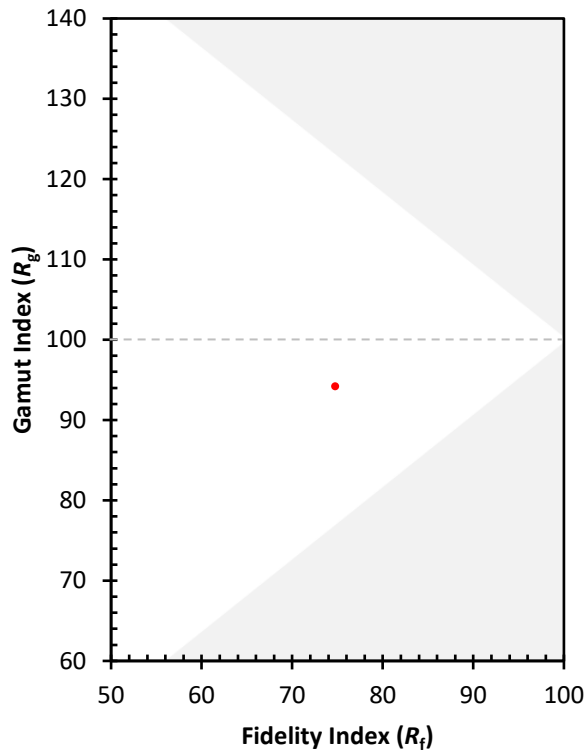
CES01 = 86	CES26 = 65	CES51 = 86	CES76 = 58
CES02 = 62	CES27 = 89	CES52 = 85	CES77 = 76
CES03 = 31	CES28 = 84	CES53 = 77	CES78 = 62
CES04 = 71	CES29 = 68	CES54 = 85	CES79 = 85
CES05 = 49	CES30 = 83	CES55 = 84	CES80 = 84
CES06 = 51	CES31 = 71	CES56 = 74	CES81 = 73
CES07 = 41	CES32 = 64	CES57 = 74	CES82 = 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)