

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: P1461753

Luminaire Tested: USSL-50-730-U-T3RE

Issue Date: 06/10/2026

Test Information

Test Method: LM-79-2024
Report Number: P1461753
Test Lab: INNOVATION CENTER(G3)
Issue Date: 6/11/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: STREETWORKS
Catalog Number: USSL-50-730-U-T3RE
Description: USSL DISCRETE LED 1 SQUARE 50W 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: 8057 lumens
Efficiency: N/A
Efficacy: 154.9 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): 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

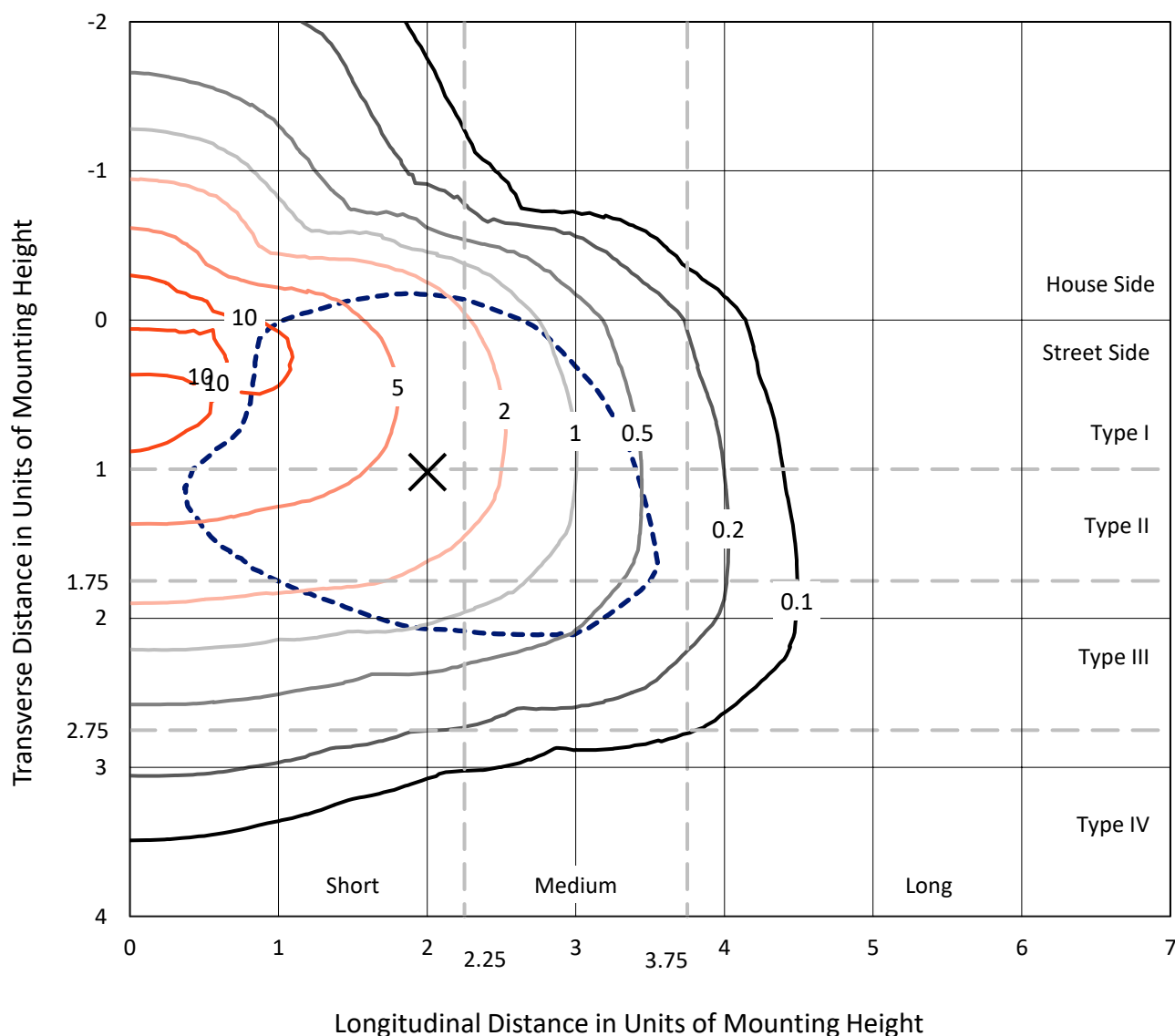
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd



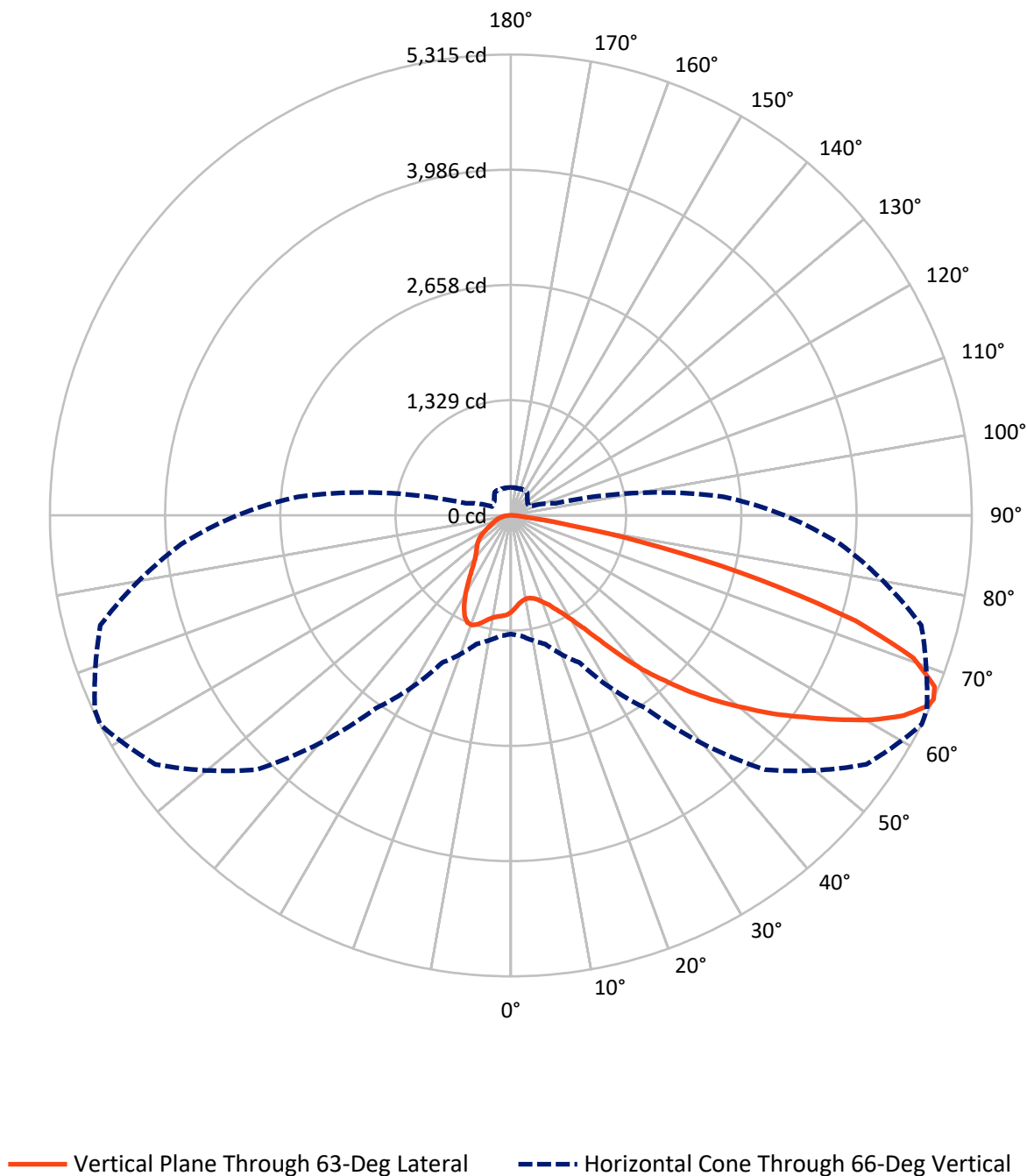
Based on 10 foot mounting height. Maximum calculated value = 11.8 fc

Type III - Short - N/A

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CATALOG NUMBER: USSL-50-730-U-T3RE

Luminous Intensity Polar Plot



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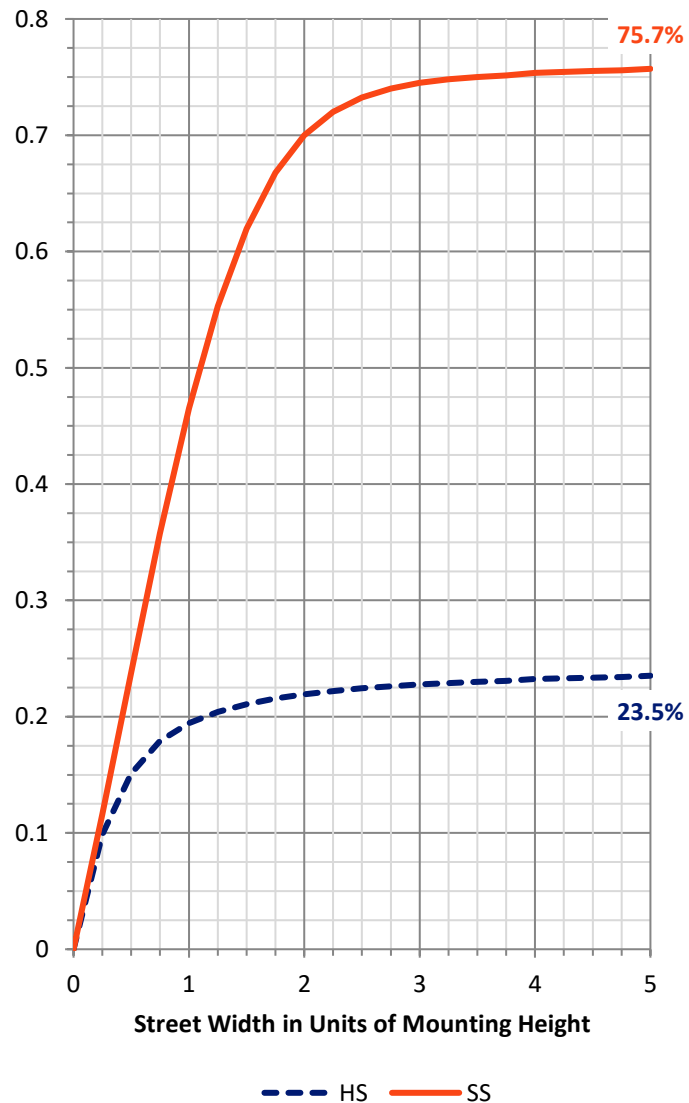
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1927.3	0.0	1927.3
	% Fixture	23.9	0.0	23.9
Street Side	Lumens	6129.8	0.0	6129.8
	% Fixture	76.1	0.0	76.1
Total	Lumens	8057.0	0.0	8057.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	103.3	1.3
10°-20°	323.5	4.0
20°-30°	576.3	7.2
30°-40°	907.4	11.3
40°-50°	1362.6	16.9
50°-60°	1829.3	22.7
60°-70°	1962.8	24.4
70°-80°	883.1	11.0
80°-90°	108.8	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°	8057.0	100.0
0°-180°	8057.0	100.0

Coefficient of Utilization



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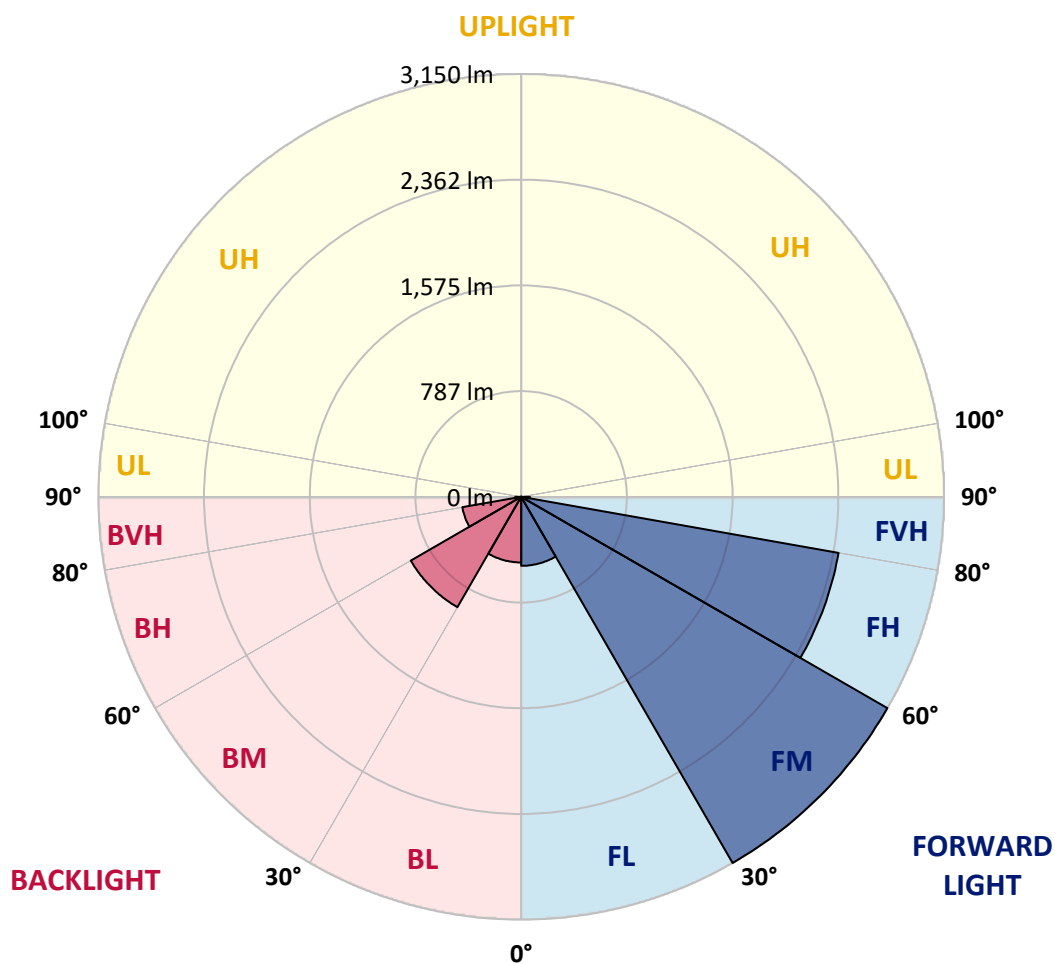
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	514.1	6.4			
FM	(30°-60°)	3150.0	39.1			
FH	(60°-80°)	2401.0	29.8			G2/5000
FVH	(80°-90°)	64.7	0.8			G1/100
BL	(0°-30°)	489.0	6.1	B1/500		
BM	(30°-60°)	949.3	11.8	B1/1000		
BH	(60°-80°)	444.9	5.5	B1/500		G1/500
BVH	(80°-90°)	44.0	0.5			G1/100
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°	63°	65°	75°	85°
0°	1110.8	1110.8	1110.8	1110.8	1110.8	1110.8	1110.8	1110.8	1110.8	1110.8	1110.8
2.5°	995.9	998.2	1001.6	1006.6	1014.6	1029.4	1048.8	1065.2	1068.6	1089.1	1103.2
5°	918.0	920.6	923.3	930.2	944.2	961.3	990.6	1020.3	1028.3	1070.9	1108.5
7.5°	899.7	900.5	901.6	903.5	911.9	926.0	955.6	991.8	1000.1	1060.6	1121.8
10°	921.0	921.4	921.0	918.7	916.8	922.2	942.3	975.8	987.6	1060.6	1144.2
12.5°	964.8	968.6	965.5	957.5	946.5	943.1	952.6	977.7	988.7	1072.8	1176.2
15°	1026.4	1030.2	1022.9	1011.2	994.8	980.3	977.7	994.0	1003.5	1091.4	1219.5
17.5°	1101.7	1100.1	1091.8	1075.8	1053.4	1030.2	1016.9	1023.3	1030.5	1119.5	1267.1
20°	1192.2	1197.9	1180.4	1156.8	1130.6	1095.2	1065.9	1068.6	1070.9	1156.8	1324.1
22.5°	1341.6	1348.5	1315.4	1270.5	1221.8	1173.5	1136.3	1117.2	1124.1	1199.8	1383.1
25°	1489.5	1490.7	1466.3	1422.6	1350.4	1273.2	1216.9	1194.4	1193.3	1262.5	1463.7
27.5°	1644.7	1634.4	1606.7	1559.5	1491.4	1402.5	1317.3	1283.4	1280.0	1350.4	1553.4
30°	1787.7	1782.3	1755.0	1704.8	1626.4	1542.4	1443.5	1400.6	1396.8	1479.7	1680.8
32.5°	1920.4	1921.9	1896.1	1843.2	1779.7	1693.7	1595.3	1554.6	1550.0	1666.0	1841.3
35°	2026.1	2022.7	2007.1	1986.2	1934.8	1858.8	1768.3	1767.5	1778.2	1929.1	2047.8
37.5°	2129.9	2127.6	2103.3	2090.4	2094.2	2027.2	1990.4	2033.0	2055.4	2212.4	2282.4
40°	2301.0	2288.5	2257.3	2219.7	2224.2	2193.0	2206.7	2331.5	2372.2	2529.2	2529.2
42.5°	2429.6	2424.6	2419.3	2404.9	2384.7	2359.6	2438.7	2604.9	2644.4	2803.8	2742.5
45°	2477.9	2484.7	2517.4	2575.6	2571.8	2536.1	2690.8	2903.4	2938.8	3082.9	2955.9
47.5°	2519.7	2527.3	2567.2	2687.0	2749.8	2756.6	2963.5	3194.7	3236.1	3376.8	3153.2
50°	2519.3	2535.3	2614.8	2750.9	2869.9	2973.4	3253.6	3488.6	3530.5	3651.8	3324.7
52.5°	2465.3	2476.4	2611.3	2803.0	2964.6	3194.3	3555.2	3800.5	3819.5	3912.3	3474.2
55°	2405.2	2414.7	2555.4	2814.8	3064.3	3437.7	3867.8	4105.8	4135.9	4179.6	3625.9
57.5°	2335.3	2350.5	2490.4	2779.1	3148.3	3677.6	4188.0	4437.8	4452.3	4437.4	3793.6
60°	2250.8	2256.9	2392.3	2687.4	3196.2	3925.6	4498.7	4786.9	4789.9	4694.1	3930.9
62.5°	1951.2	1957.7	2117.0	2496.9	3162.0	4114.6	4768.7	5082.8	5076.7	4888.1	3995.6
65°	1497.5	1524.5	1685.4	2079.0	2900.0	4197.5	4978.6	5289.6	5267.6	4934.5	3906.9
66°	1367.1	1394.5	1534.8	1871.7	2714.8	4145.0	5004.8	5315.1	5293.8	4900.6	3816.8
67.5°	1223.3	1228.3	1342.4	1598.3	2327.7	3901.6	4917.0	5271.0	5247.0	4751.2	3603.9
70°	891.4	914.9	1016.9	1212.3	1642.0	3131.2	4435.1	4922.3	4887.3	4237.0	3064.3
72.5°	585.2	594.8	639.6	727.8	1045.8	2105.6	3661.7	4157.5	4189.5	3381.4	2281.7
75°	408.0	402.7	383.7	392.4	522.9	1027.1	2563.4	2968.4	3009.1	2188.5	1349.2
77.5°	335.8	328.9	297.8	261.2	267.7	382.2	1357.2	1754.6	1722.6	1072.8	609.2
80°	289.8	283.3	249.8	217.1	197.4	182.5	427.4	714.5	662.1	360.1	211.1
82.5°	231.6	228.2	213.3	182.5	160.1	132.0	133.5	186.0	198.9	134.2	92.8
85°	140.7	139.2	140.3	144.5	114.1	96.6	79.5	83.7	81.4	67.3	57.8
87.5°	72.6	67.3	72.3	86.3	67.7	44.5	33.5	34.6	36.5	34.6	29.7
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°	1110.8	1110.8	1110.8	1110.8	1110.8	1110.8	1110.8	1110.8	1110.8	1110.8	1110.8
2.5°	1112.7	1121.1	1134.4	1143.1	1148.8	1152.2	1151.9	1151.5	1150.3	1147.7	1149.2
5°	1124.9	1139.3	1156.4	1161.7	1160.6	1158.7	1155.7	1154.9	1156.0	1153.8	1153.8
7.5°	1145.4	1161.4	1177.3	1174.3	1169.0	1174.7	1183.8	1196.3	1204.0	1208.5	1214.6
10°	1172.8	1194.4	1199.8	1190.6	1196.7	1219.2	1239.7	1253.8	1262.1	1266.3	1270.5
12.5°	1213.8	1232.5	1222.2	1218.0	1244.6	1272.8	1278.5	1268.2	1257.2	1250.7	1251.1
15°	1259.5	1271.6	1250.7	1262.9	1296.0	1293.3	1253.8	1211.6	1181.1	1168.2	1169.7
17.5°	1308.1	1310.4	1283.0	1312.3	1315.4	1254.1	1175.1	1115.7	1096.0	1088.7	1089.5
20°	1365.2	1354.9	1326.4	1354.9	1290.7	1168.6	1082.3	1046.9	1038.2	1041.6	1042.3
22.5°	1416.1	1392.6	1372.0	1364.4	1210.8	1068.2	1012.7	999.7	1002.4	1008.5	1015.0
25°	1477.4	1434.8	1415.8	1324.9	1105.8	989.1	964.8	966.3	966.7	972.0	976.9
27.5°	1545.4	1483.1	1445.4	1233.2	994.4	932.4	925.6	926.7	922.9	922.9	927.5
30°	1627.2	1540.9	1450.4	1109.3	893.6	881.5	881.1	873.1	857.5	853.7	856.4
32.5°	1740.9	1627.2	1428.7	962.9	821.4	832.0	827.9	806.9	785.6	780.7	786.4
35°	1909.0	1753.1	1385.7	828.2	758.6	778.4	773.5	746.1	714.5	702.4	703.9
37.5°	2081.2	1908.6	1331.3	717.2	702.0	730.1	718.7	682.2	648.7	626.3	629.4
40°	2261.9	2065.7	1267.5	645.7	652.9	678.8	668.9	624.0	580.7	560.9	570.0
42.5°	2439.5	2215.9	1199.0	598.9	606.5	632.4	622.1	575.0	542.7	521.7	525.2
45°	2598.8	2334.9	1137.0	563.9	566.6	586.8	571.6	544.6	511.9	494.0	492.8
47.5°	2741.0	2423.5	1098.2	535.8	527.1	533.1	530.9	511.9	487.5	470.8	469.3
50°	2863.1	2490.4	1091.4	510.3	484.5	473.4	483.7	478.0	459.0	446.8	445.7
52.5°	2961.6	2551.6	1121.1	484.5	430.9	425.5	440.7	442.3	427.8	422.5	422.9
55°	3080.6	2627.3	1181.1	448.3	383.3	384.1	404.2	405.8	397.4	398.1	399.7
57.5°	3210.7	2712.9	1231.0	401.2	339.6	345.7	372.7	375.3	367.3	370.4	371.5
60°	3320.6	2790.5	1172.4	342.6	300.4	316.0	350.6	349.1	344.5	352.1	354.0
62.5°	3352.5	2770.7	962.1	291.7	269.6	292.8	335.0	335.4	344.1	357.5	359.7
65°	3239.6	2581.3	656.0	254.0	244.9	272.7	325.9	339.2	335.4	333.5	335.8
66°	3155.1	2462.7	535.8	241.1	235.8	267.0	323.6	328.9	322.1	321.7	321.7
67.5°	2964.6	2216.2	391.3	224.4	225.5	257.8	309.9	305.4	311.8	317.9	320.2
70°	2513.6	1692.6	247.6	198.5	207.6	233.9	276.8	294.7	306.5	313.7	318.7
72.5°	1863.0	1092.5	176.4	175.3	188.6	209.9	254.4	280.6	290.5	321.3	330.1
75°	1141.6	607.3	148.3	155.9	161.6	190.5	230.1	265.1	262.8	271.9	274.2
77.5°	493.2	273.0	126.6	135.0	138.0	161.2	205.0	240.7	240.3	250.2	254.4
80°	168.8	124.0	108.4	109.9	119.8	136.1	174.9	208.8	209.2	213.3	208.8
82.5°	89.7	84.4	87.1	90.1	102.3	111.0	144.5	180.6	166.6	118.3	116.4
85°	56.7	50.6	57.4	67.7	74.9	80.6	110.3	136.1	118.6	52.1	46.4
87.5°	22.8	22.8	26.6	35.7	32.3	35.0	58.9	77.2	63.1	20.9	11.0
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: SP2-2501-321-4

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

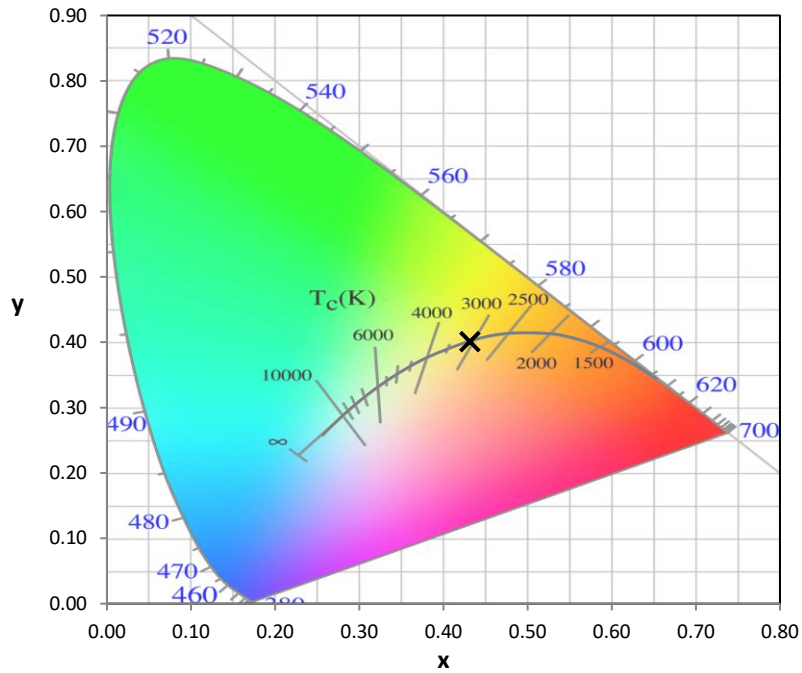
Stabilization Time: 30M
 Operation Time: 1H 30M
 Sphere Temperature (°C): 25.7

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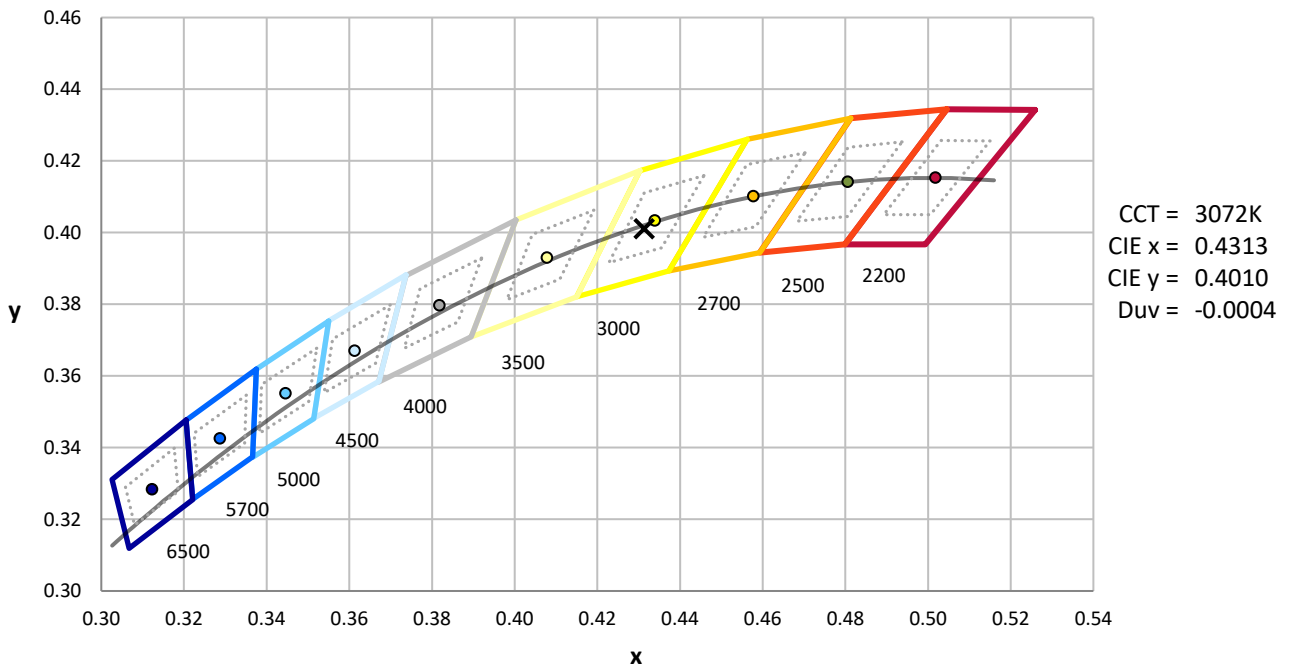
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN2187	1/6/2025	7/6/2025
Power Meter	INXT2011002	1/21/2025	1/21/2026
AC Power Source	IN0458	10/22/2024	10/22/2025
DC Power Source	IN0212	10/22/2024	10/22/2025
Sphere Thermometer	IN4036B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

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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			

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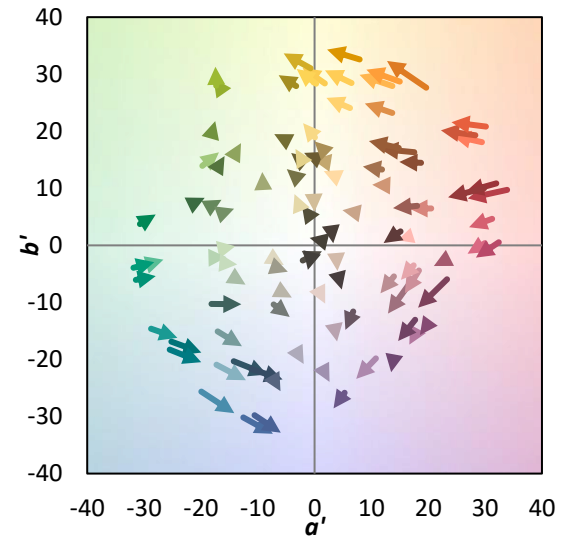
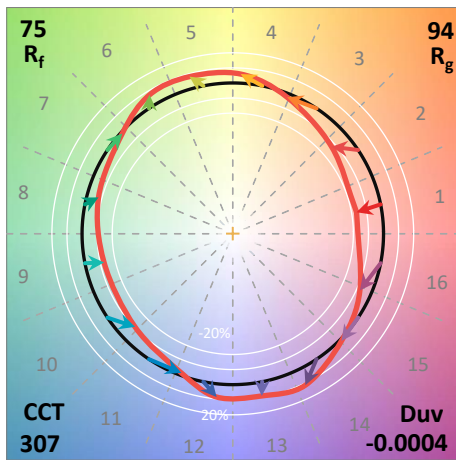
TM-30-18

Summary

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



Color Vector Graphics

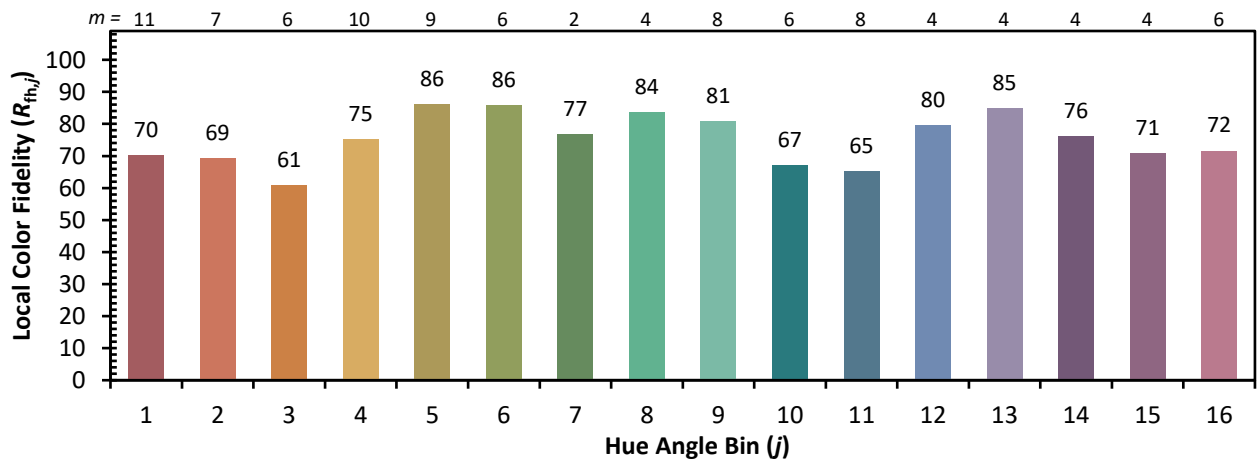
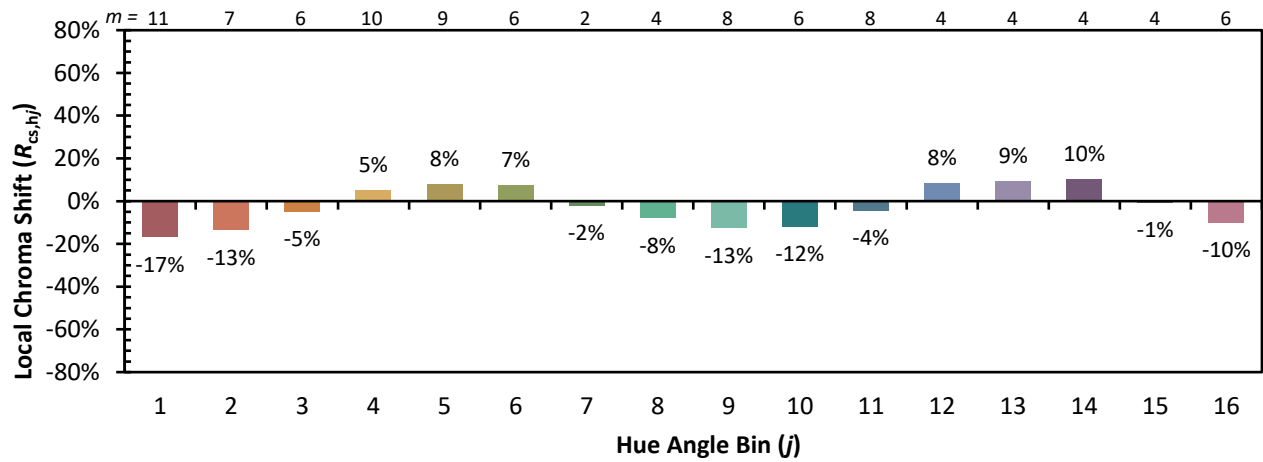


Individual Sample Fidelity Index ($R_{f,i}$)

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)