

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: P1461910

Luminaire Tested: USSL-70-730-U-T2RE-HSS

Issue Date: 06/10/2026

Test Information

Test Method: LM-79-2024
Report Number: P1461910
Test Lab: INNOVATION CENTER(G3)
Issue Date: 6/11/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: STREETWORKS
Catalog Number: USSL-70-730-U-T2RE-HSS
Description: USSL DISCRETE LED 1 SQUARE 70W 70CRI 3000K FIXTURE w/ TYPE II ROADWAY
ILLUMINANCE DISTRIBUTION OPTIC AND HOUSE SIDE SHIELD
Light Source: (40) 3000K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7985.8 lumens
Efficiency: N/A
Efficacy: 109.4 lumens/watt
Luminous Opening: Rectangular (W 0.67' x L: 0.67' x H: 0')
IES Classification: Type II - Short
BUG Rating: B1 - 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

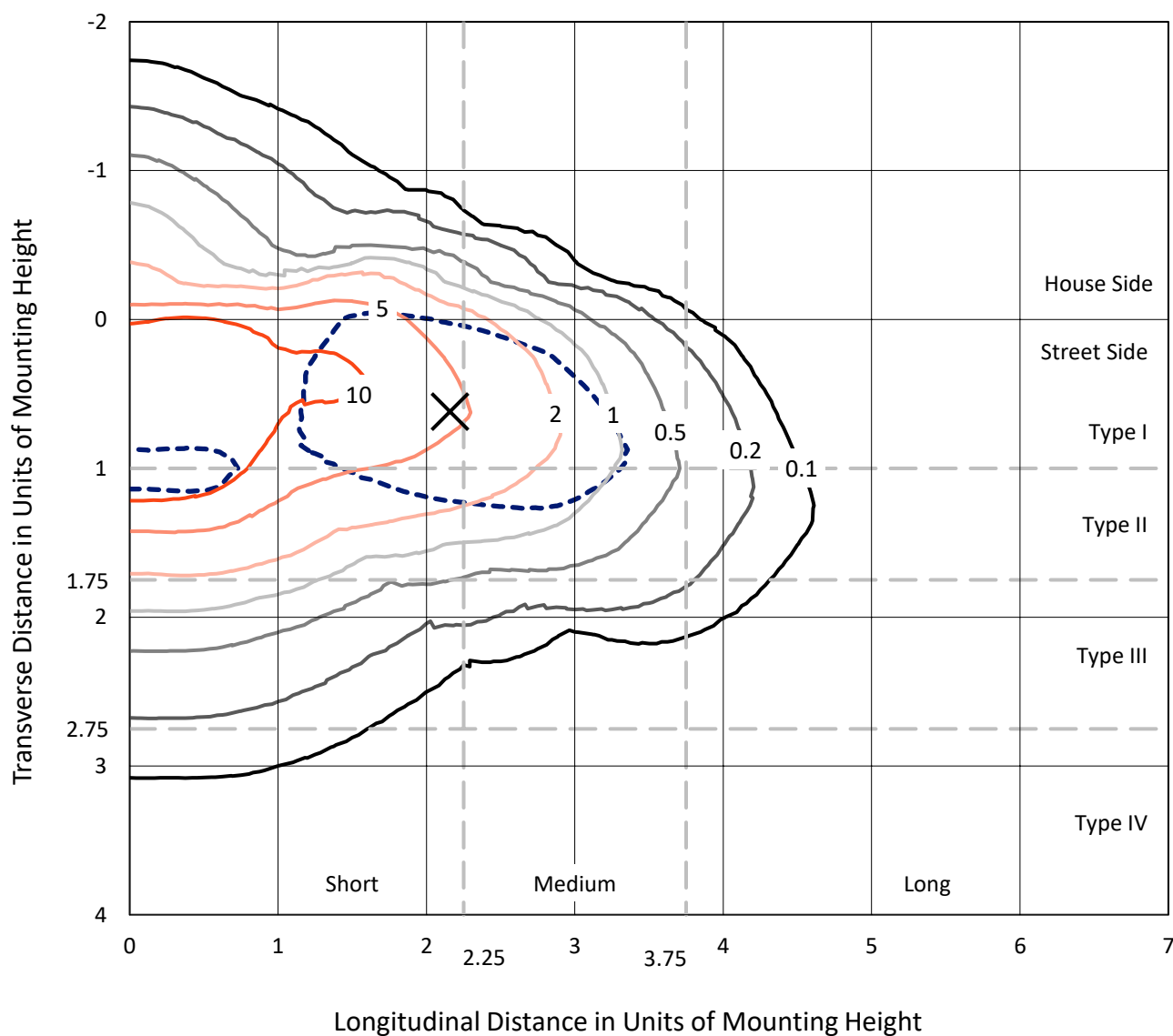
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd



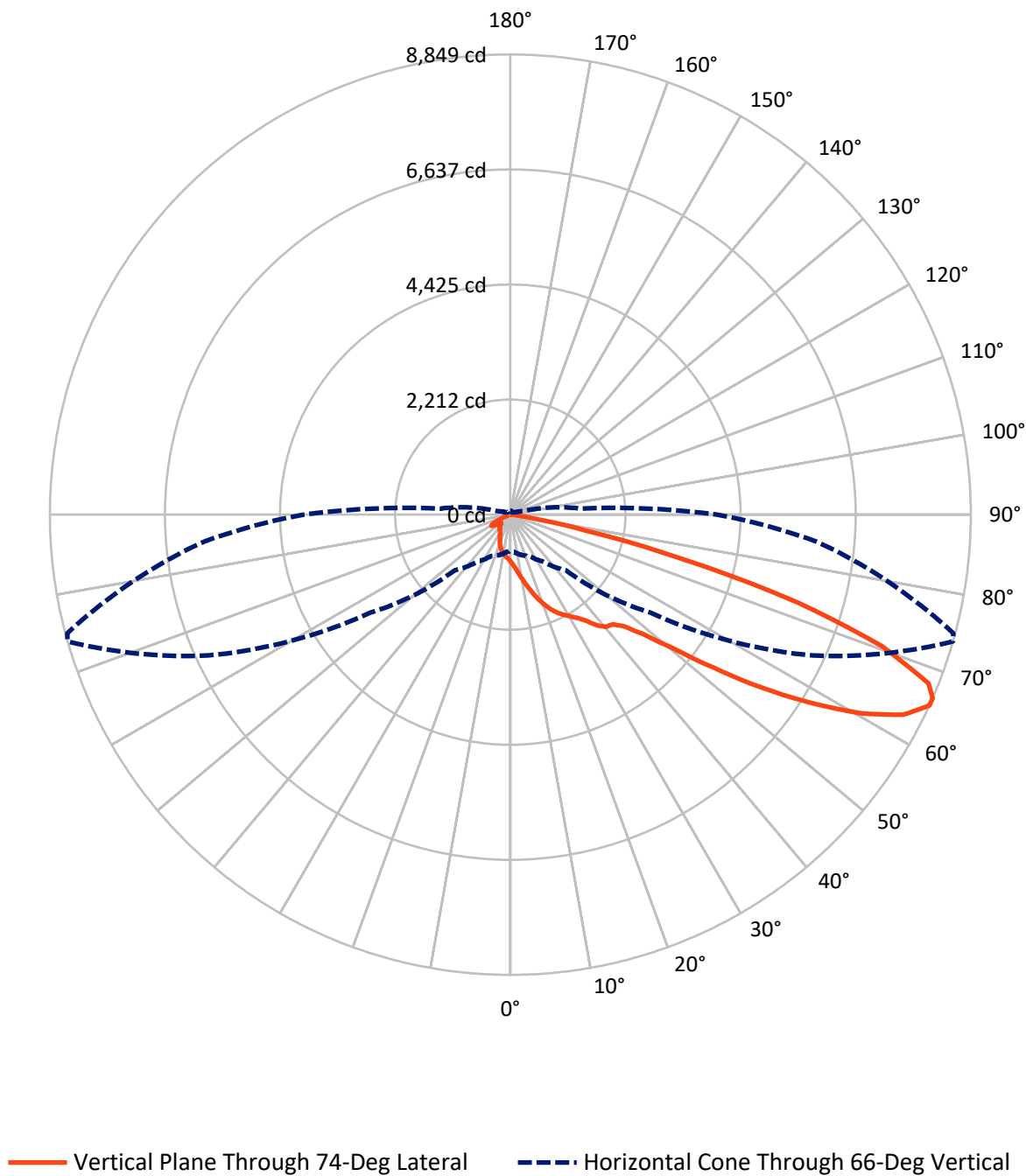
Based on 10 foot mounting height. Maximum calculated value = 18.8 fc

Type II - Short - N/A

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Luminous Intensity Polar Plot



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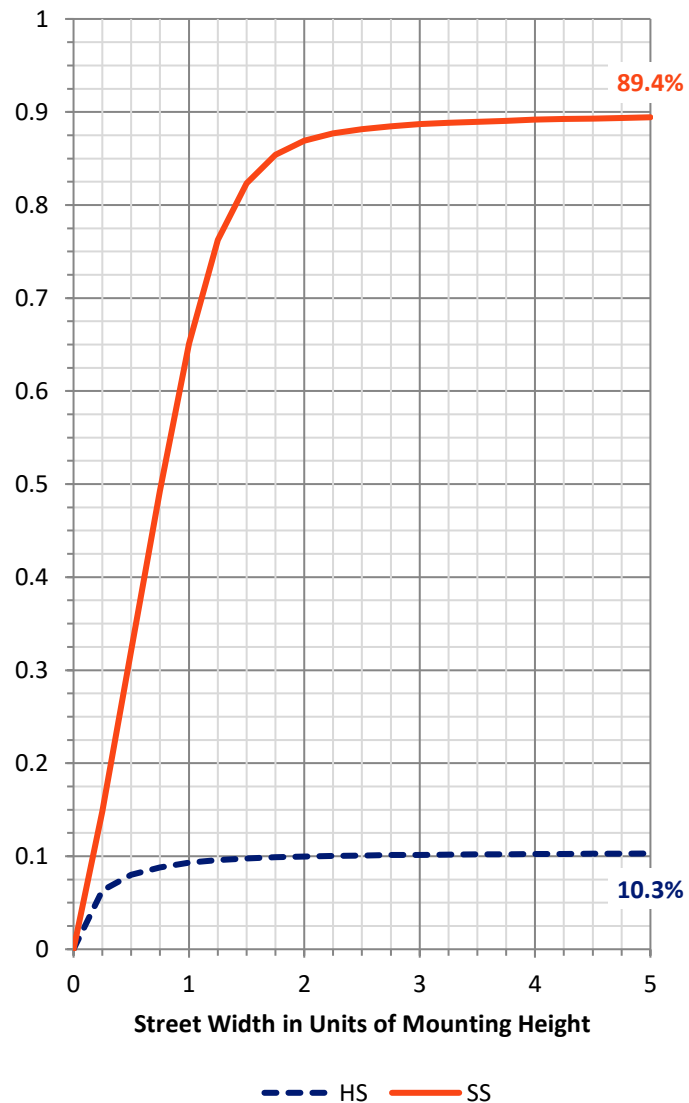
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	829.3	0.0	829.3
	% Fixture	10.4	0.0	10.4
Street Side	Lumens	7156.5	0.0	7156.5
	% Fixture	89.6	0.0	89.6
Total	Lumens	7985.8	0.0	7985.8
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	88.6	1.1
10°-20°	288.5	3.6
20°-30°	549.9	6.9
30°-40°	967.0	12.1
40°-50°	1571.9	19.7
50°-60°	2029.1	25.4
60°-70°	1803.2	22.6
70°-80°	634.4	7.9
80°-90°	53.1	0.7
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°	7985.8	100.0
0°-180°	7985.8	100.0

Coefficient of Utilization



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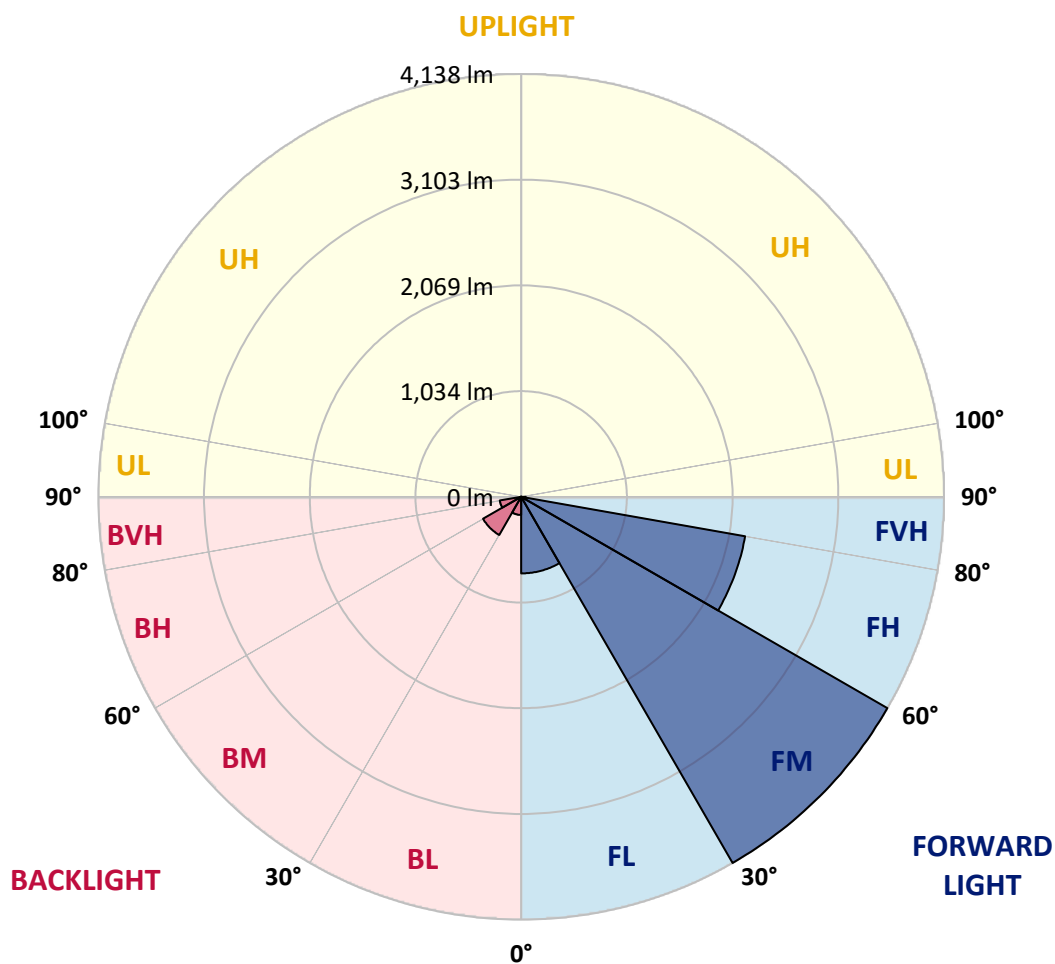
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	749.6	9.4			
FM	(30°-60°)	4137.6	51.8			
FH	(60°-80°)	2225.0	27.9			G2/5000
FVH	(80°-90°)	44.4	0.6			G1/100
BL	(0°-30°)	177.5	2.2	B1/500		
BM	(30°-60°)	430.4	5.4	B1/1000		
BH	(60°-80°)	212.7	2.7	B1/500		G1/500
BVH	(80°-90°)	8.7	0.1			G0/10
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G2

Type II Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	74°	75°	85°
0°	901.3	901.3	901.3	901.3	901.3	901.3	901.3	901.3	901.3	901.3	901.3
2.5°	1109.8	1111.9	1098.3	1087.8	1069.5	1049.0	1023.9	990.9	957.3	957.9	925.9
5°	1317.9	1319.4	1309.5	1289.0	1266.0	1224.6	1171.1	1106.2	1038.0	1037.0	965.2
7.5°	1377.1	1369.7	1374.4	1381.3	1382.3	1368.2	1327.8	1233.5	1138.1	1125.5	1025.5
10°	1403.8	1394.9	1393.8	1399.1	1417.4	1443.1	1442.0	1375.0	1259.7	1249.2	1096.7
12.5°	1508.1	1506.0	1502.8	1491.3	1484.5	1491.8	1531.1	1510.2	1392.8	1382.8	1189.5
15°	1637.0	1626.0	1625.4	1619.2	1604.0	1579.9	1599.8	1639.1	1537.9	1524.3	1284.3
17.5°	1745.4	1730.2	1734.4	1742.3	1729.2	1706.7	1692.5	1742.3	1688.8	1675.7	1389.6
20°	1827.7	1819.3	1835.6	1856.0	1857.6	1837.7	1810.9	1839.2	1836.6	1821.4	1506.5
22.5°	1890.6	1880.1	1904.2	1946.1	1980.7	1973.4	1937.2	1925.7	1969.7	1965.0	1618.1
25°	1928.3	1917.8	1954.5	2019.5	2092.9	2115.4	2077.1	2030.0	2085.0	2089.7	1719.8
27.5°	2008.5	2001.2	2031.5	2096.0	2181.4	2246.4	2219.7	2134.2	2184.0	2191.4	1818.8
30°	2244.3	2208.7	2231.7	2252.1	2297.2	2370.0	2358.5	2237.5	2265.8	2285.2	1915.2
32.5°	2631.0	2589.1	2562.4	2529.9	2496.9	2518.9	2516.8	2363.2	2367.4	2385.2	2016.9
35°	3146.1	3122.5	3015.1	2884.1	2779.8	2723.7	2715.4	2540.3	2503.7	2527.2	2129.5
37.5°	3690.0	3664.3	3538.0	3321.1	3121.5	2955.9	2929.2	2787.1	2699.6	2716.9	2246.9
40°	4213.5	4146.9	4037.4	3794.3	3465.7	3171.8	3052.8	2883.6	2834.8	2855.8	2332.3
42.5°	4605.9	4569.8	4460.3	4227.6	3831.5	3384.0	3176.5	2932.3	2882.5	2922.9	2372.1
45°	4813.5	4774.2	4729.6	4601.8	4137.0	3625.5	3366.2	3115.7	3059.6	3100.5	2493.2
47.5°	4660.4	4650.0	4789.3	4823.9	4391.6	3834.6	3584.2	3408.6	3426.4	3441.6	2769.9
50°	4081.4	4137.5	4433.6	4708.7	4511.1	4040.6	3855.1	3838.3	4006.0	4051.6	3345.2
52.5°	3328.4	3334.2	3728.3	4268.5	4298.4	4111.8	4131.2	4397.9	4885.8	4884.2	4079.3
55°	2494.2	2582.3	3009.8	3555.9	3720.9	3929.5	4396.9	5118.9	5881.9	5870.9	4818.7
57.5°	1909.5	1919.4	2365.9	2887.8	3080.6	3490.4	4480.2	5908.6	6846.6	6827.7	5532.9
60°	1468.8	1473.5	1798.4	2226.5	2601.7	2891.4	4347.1	6566.2	7755.7	7742.1	5973.1
62.5°	1096.2	1111.9	1301.6	1528.0	2040.5	2393.6	4006.5	6856.5	8472.0	8439.0	6120.3
65°	812.2	813.2	912.8	1033.3	1353.5	1775.3	3514.5	6682.0	8848.8	8809.5	6007.1
66°	702.7	715.8	801.7	879.8	1100.9	1512.3	3283.4	6410.6	8849.3	8813.7	5895.0
67.5°	591.1	596.3	660.2	715.3	823.7	1072.1	2826.4	5982.0	8665.9	8585.2	5615.7
70°	432.3	444.4	485.7	507.2	521.4	621.5	1846.6	5049.8	7578.6	7527.8	4803.5
72.5°	314.9	319.1	357.4	371.5	374.1	404.0	938.5	4004.9	5788.6	5764.5	3301.7
75°	243.1	247.3	264.6	264.1	267.8	280.9	430.7	2456.5	3421.2	3440.6	1585.1
77.5°	196.0	202.3	207.5	192.8	193.9	197.0	256.8	1049.6	1511.2	1430.0	430.7
80°	146.7	147.8	156.7	142.5	135.7	133.1	162.4	363.1	426.5	405.1	157.2
82.5°	114.2	109.5	112.1	103.8	94.3	90.1	109.5	153.0	169.8	168.2	109.0
85°	76.5	74.9	69.2	65.5	58.7	54.5	71.8	86.5	104.8	108.5	81.2
87.5°	34.6	34.6	35.6	32.5	29.9	27.2	35.6	46.6	54.0	54.0	30.9
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°	901.3	901.3	901.3	901.3	901.3	901.3	901.3	901.3	901.3	901.3	901.3
2.5°	910.7	892.9	862.0	831.1	803.8	777.1	747.7	732.6	720.0	716.8	709.0
5°	934.3	900.2	832.1	764.0	696.9	647.7	597.9	560.7	534.0	526.1	520.3
7.5°	971.5	919.1	808.5	693.8	598.4	518.2	454.8	418.2	398.2	386.2	383.0
10°	1023.9	946.3	781.3	622.5	494.1	405.6	361.0	340.1	326.5	323.3	323.8
12.5°	1087.8	981.4	754.6	543.4	406.6	339.6	313.9	305.5	303.9	302.3	302.3
15°	1159.1	1013.9	718.4	470.0	338.5	297.6	290.3	288.2	286.6	286.6	287.2
17.5°	1227.7	1041.7	674.9	402.4	295.0	277.7	272.0	270.4	270.9	270.4	269.9
20°	1300.6	1063.7	620.4	343.2	272.5	259.4	252.6	252.0	252.6	253.1	252.6
22.5°	1364.0	1074.7	564.3	298.2	254.7	241.6	235.3	234.8	234.2	234.8	234.8
25°	1423.2	1076.8	507.8	270.4	237.4	225.3	219.0	218.5	219.0	220.6	220.6
27.5°	1477.7	1078.4	455.4	252.0	222.2	209.6	204.9	205.4	208.6	210.6	210.6
30°	1532.2	1086.8	414.0	234.8	207.5	196.5	192.3	195.5	200.7	205.4	205.9
32.5°	1593.0	1102.5	384.6	221.7	194.4	186.0	183.9	189.7	198.6	205.4	206.5
35°	1664.7	1121.4	369.4	211.2	185.0	176.6	178.7	187.6	198.6	205.4	207.0
37.5°	1731.8	1142.8	360.0	202.3	176.1	168.7	173.4	185.5	197.0	204.4	205.4
40°	1776.4	1143.9	339.0	191.8	167.7	160.9	168.2	180.3	191.8	201.7	202.8
42.5°	1800.5	1132.9	303.4	181.8	160.3	153.5	160.9	168.7	181.8	196.0	198.6
45°	1924.6	1177.4	276.1	171.3	154.6	147.2	149.3	153.5	168.2	183.9	186.5
47.5°	2235.4	1342.5	256.8	161.9	146.7	139.9	135.7	139.4	152.0	166.6	168.2
50°	2797.6	1681.0	249.4	154.1	139.4	129.4	123.1	125.8	132.6	143.6	146.7
52.5°	3609.8	2235.4	270.9	146.7	131.0	120.0	111.1	107.9	114.8	123.1	123.7
55°	4396.3	2711.2	330.1	139.9	121.0	111.1	100.6	93.3	97.5	102.2	104.3
57.5°	5031.4	2932.3	408.2	138.3	109.5	102.2	89.1	79.6	83.3	87.5	88.6
60°	5050.8	2688.6	454.8	138.3	103.8	92.7	78.6	70.7	76.0	80.2	80.7
62.5°	4657.3	2116.4	411.9	128.9	92.7	80.2	72.3	65.5	72.3	78.1	79.1
65°	4142.2	1530.6	299.2	114.2	80.7	68.1	66.5	62.9	71.3	78.1	79.6
66°	3965.6	1334.6	247.9	107.4	76.0	64.5	63.9	62.9	70.7	77.6	79.1
67.5°	3558.0	1027.0	183.4	95.4	69.2	59.7	60.3	61.3	68.6	74.4	76.5
70°	2577.6	606.3	117.9	73.4	61.3	54.5	54.0	56.6	61.8	65.5	66.0
72.5°	1584.6	302.3	86.5	54.5	54.5	52.4	47.7	49.8	54.0	56.1	56.1
75°	710.5	152.0	63.4	42.4	47.2	48.7	40.9	43.5	45.6	47.7	47.7
77.5°	192.3	92.7	49.3	35.1	41.9	43.0	34.6	37.2	38.8	41.9	41.4
80°	106.4	72.8	35.6	28.8	32.5	37.2	29.9	32.5	30.4	28.3	33.0
82.5°	88.0	49.8	24.1	22.5	24.1	29.9	24.1	22.5	18.9	11.0	12.6
85°	60.8	27.2	12.6	12.1	13.1	17.8	15.2	11.5	7.9	2.1	3.7
87.5°	17.8	7.3	5.2	4.7	5.2	6.3	4.7	4.7	2.6	0.0	0.0
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

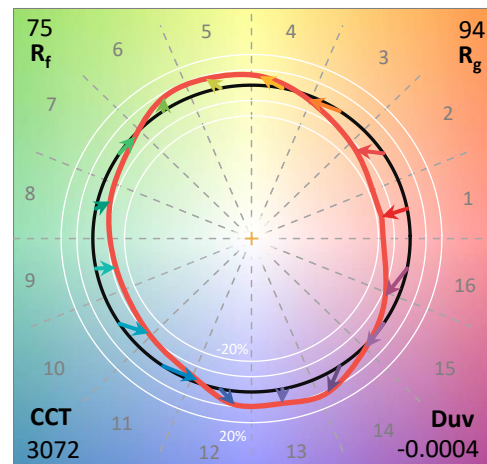
Test Information

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

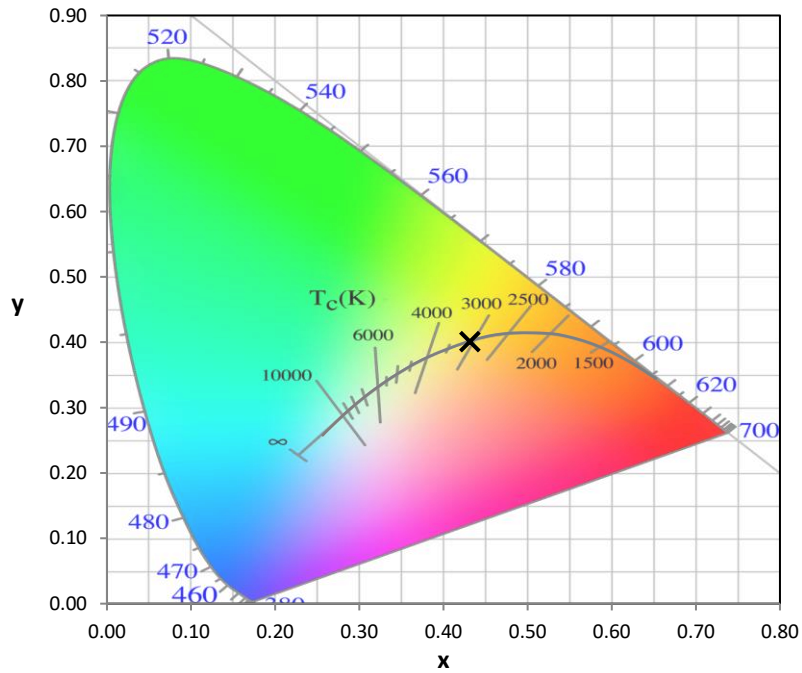
Stabilization Time: 30M
 Operation Time: 1H 30M
 Sphere Temperature (°C): 25.7

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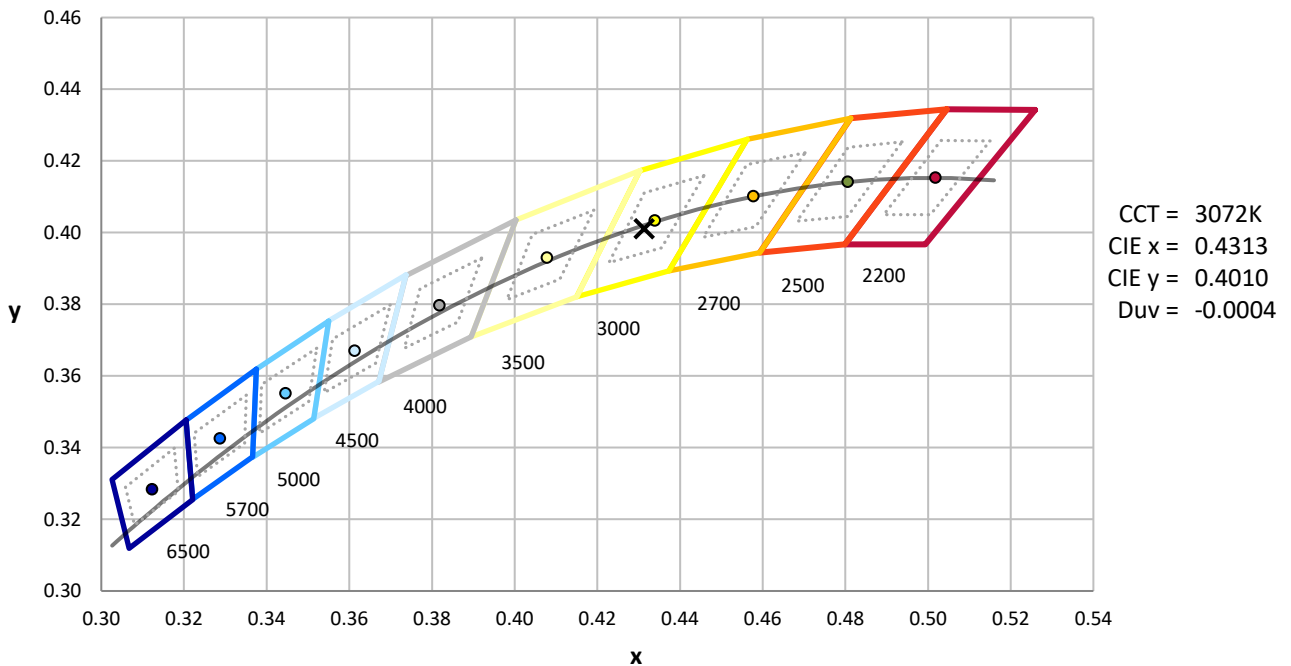
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN2187	1/6/2025	7/6/2025
Power Meter	INXT2011002	1/21/2025	1/21/2026
AC Power Source	IN0458	10/22/2024	10/22/2025
DC Power Source	IN0212	10/22/2024	10/22/2025
Sphere Thermometer	IN4036B	10/22/2024	10/22/2025
Room Thermometer	IN0046	10/22/2024	10/22/2025

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CIE 1931 Chromaticity Diagram



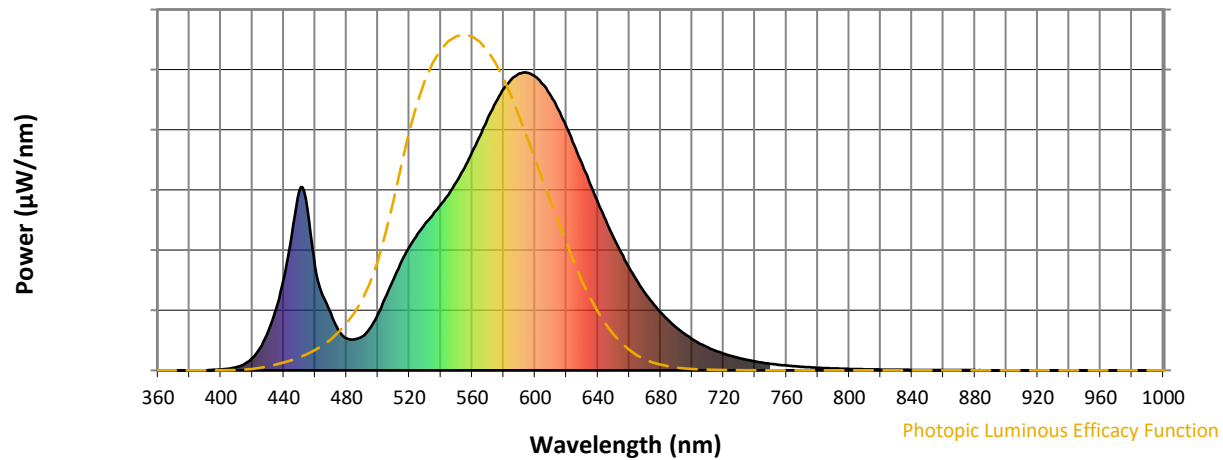
CIE 1931 Chromaticity Diagram with 2017 ANSI 7-Step and 4-Step Quadrangles



Point lies inside the ANSI 3000K 4-step quadrangle

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Photopic Flux vs. Wavelength

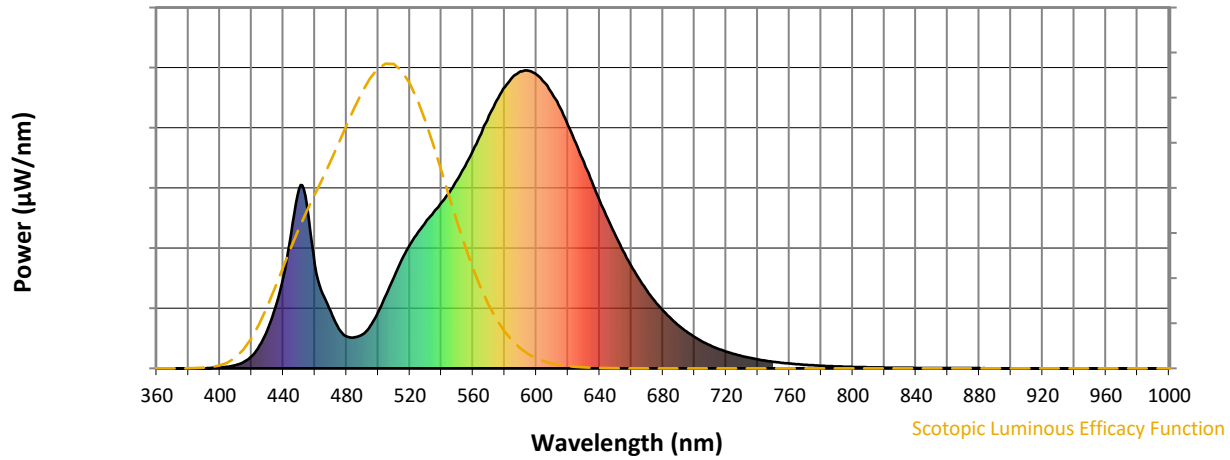


Photopic Lumens: NR

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



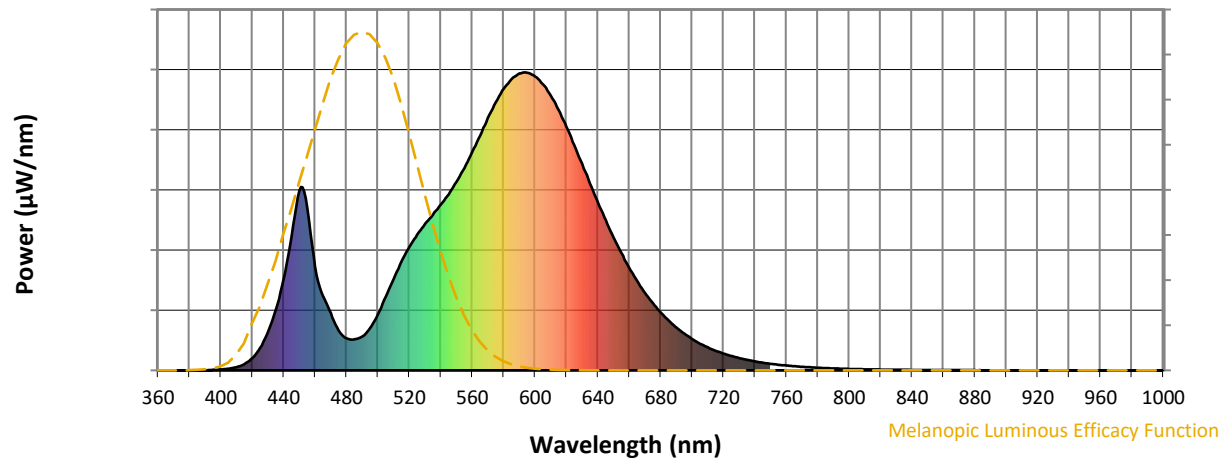
Scotopic Lumens: NR

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

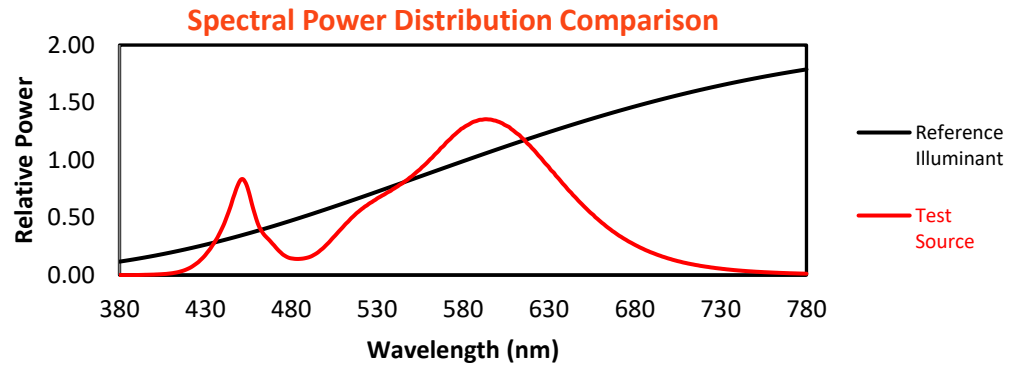
λ (nm)	Power W [^] /nm	Lumens (φ/nm)	λ (nm)	Power W [^] /nm	Lumens (φ/nm)	λ (nm)	Power W [^] /nm	Lumens (φ/nm)	λ (nm)	Power W [^] /nm	Lumens (φ/nm)	λ (nm)	Power W [^] /nm	Lumens (φ/nm)
360	0	NR	490	114	NR	620	817	NR	750	22	NR	880	1	NR
365	0	NR	495	141	NR	625	756	NR	755	19	NR	885	1	NR
370	0	NR	500	189	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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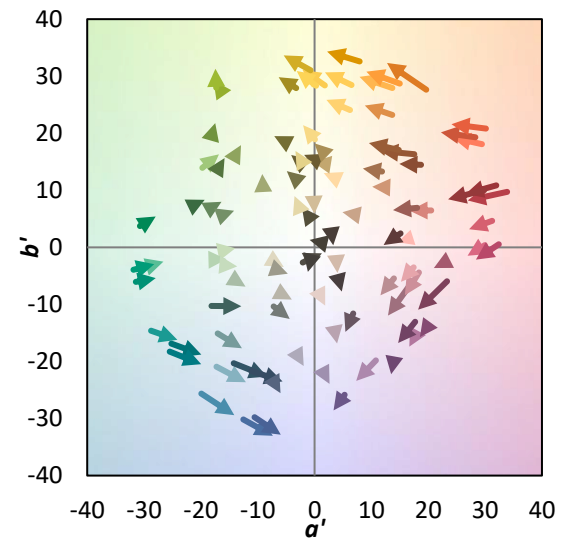
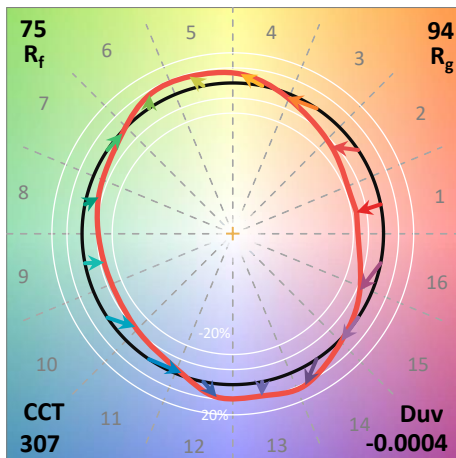
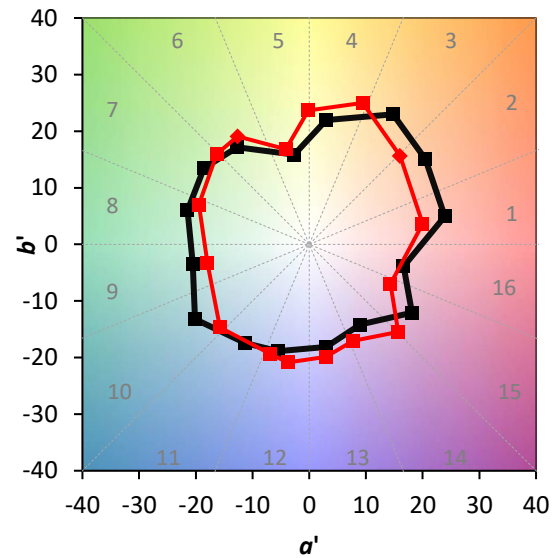
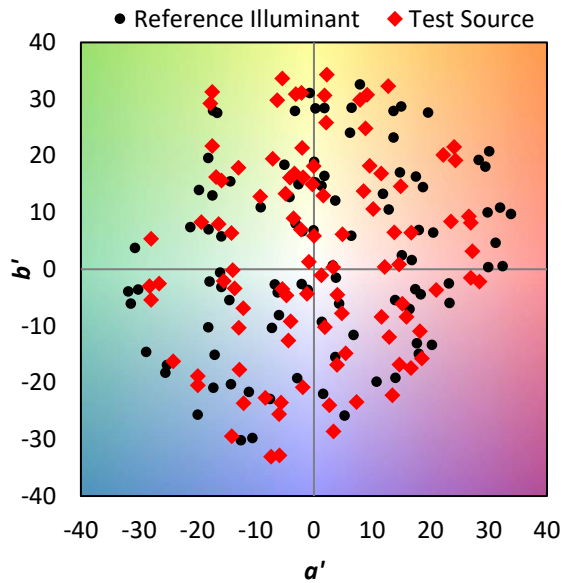
TM-30-18

Summary

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

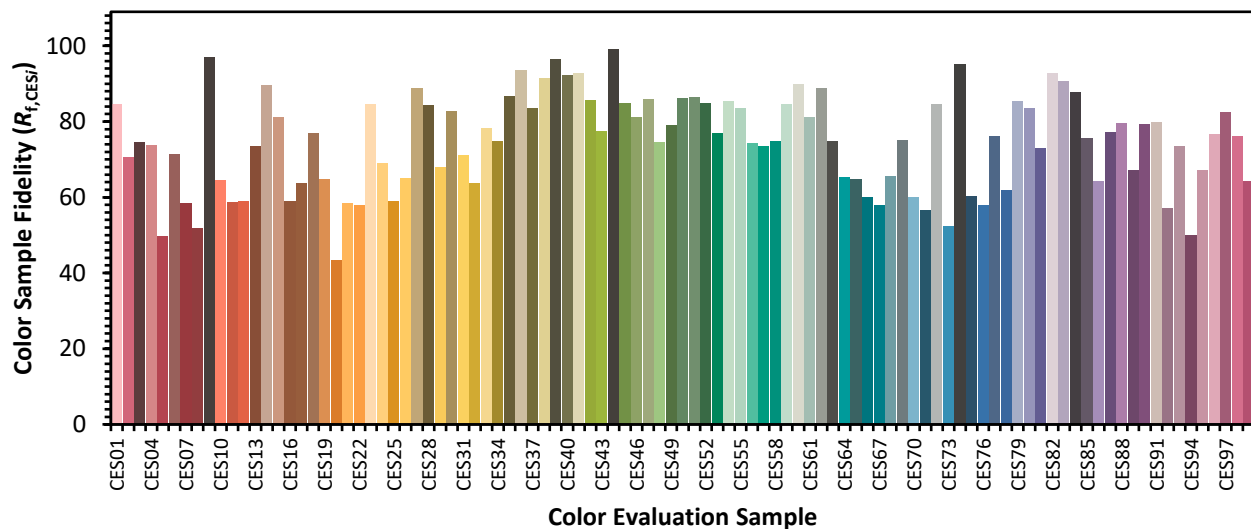


Color Vector Graphics

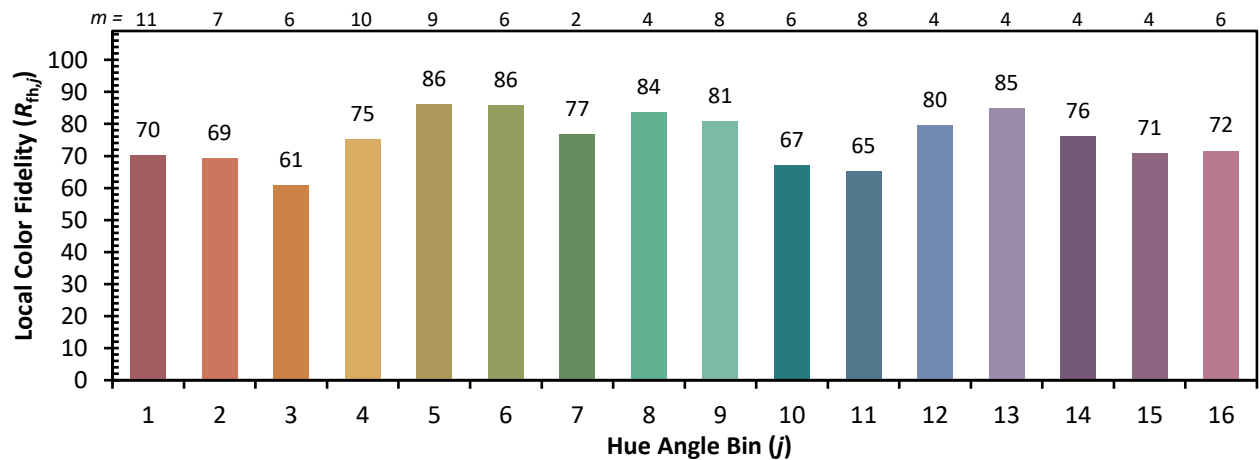
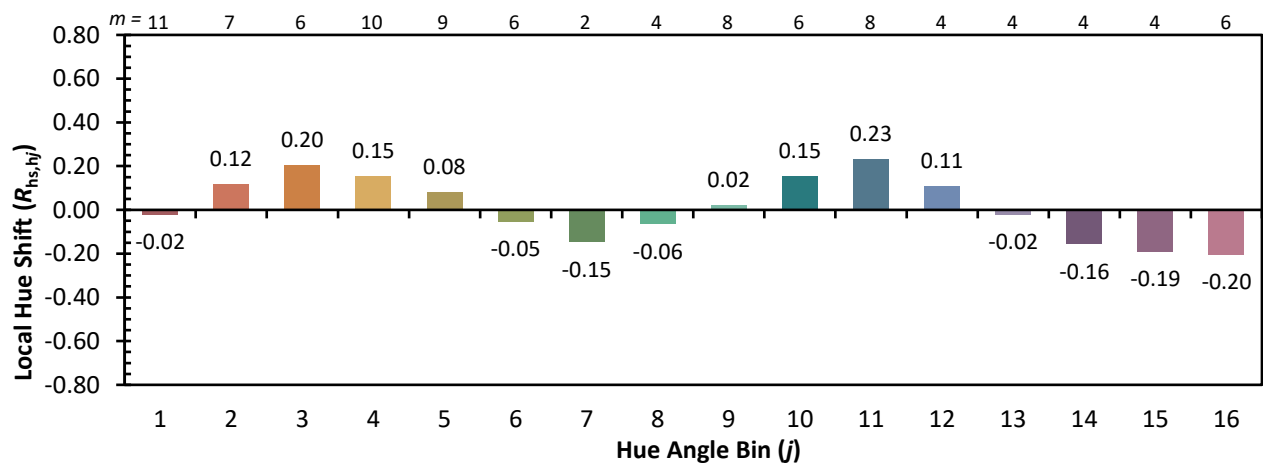
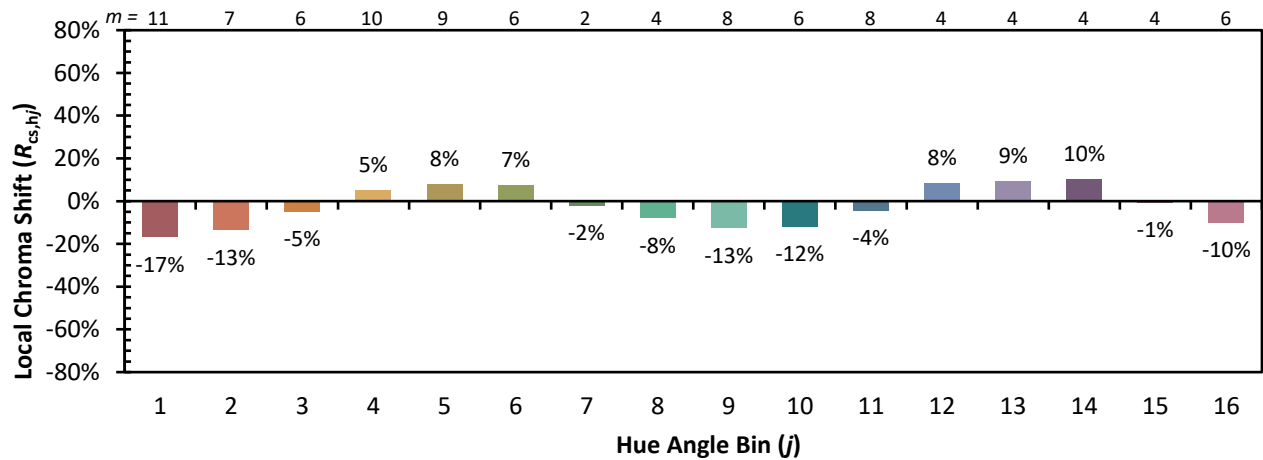


Individual Sample Fidelity Index ($R_{f,i}$)

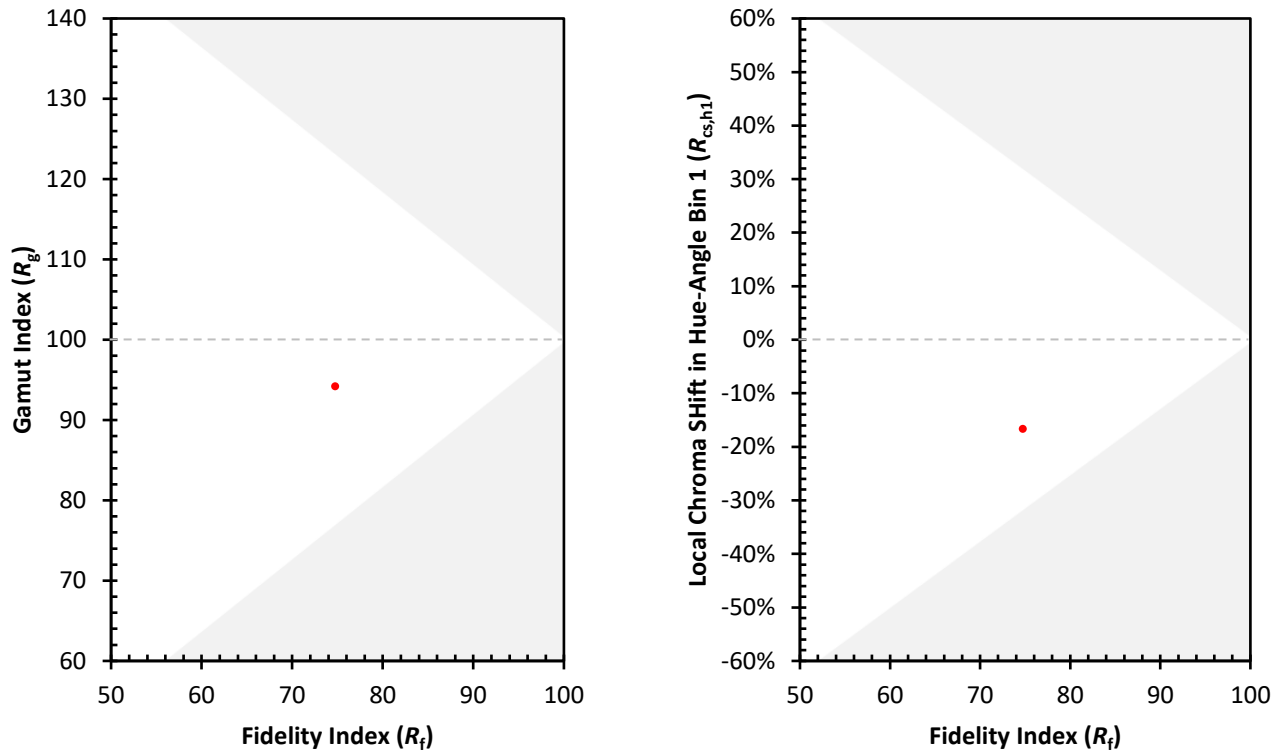
CES01 = 86	CES26 = 65	CES51 = 86	CES76 = 58
CES02 = 62	CES27 = 89	CES52 = 85	CES77 = 76
CES03 = 31	CES28 = 84	CES53 = 77	CES78 = 62
CES04 = 71	CES29 = 68	CES54 = 85	CES79 = 85
CES05 = 49	CES30 = 83	CES55 = 84	CES80 = 84
CES06 = 51	CES31 = 71	CES56 = 74	CES81 = 73
CES07 = 41	CES32 = 64	CES57 = 74	CES82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