

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: P1461703

Luminaire Tested: USSL-110-730-U-T3RE-HSS

Issue Date: 06/10/2026

Test Information

Test Method: LM-79-2024
Report Number: P1461703
Test Lab: INNOVATION CENTER(G3)
Issue Date: 6/11/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: STREETWORKS
Catalog Number: USSL-110-730-U-T3RE-HSS
Description: USSL DISCRETE LED 1 SQUARE 110W 70CRI 3000K FIXTURE w/ TYPE III 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: 11138 lumens
Efficiency: N/A
Efficacy: 100.3 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): 111
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: 0.98
Total Harmonic Distortion (THDi): 2.87%
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT

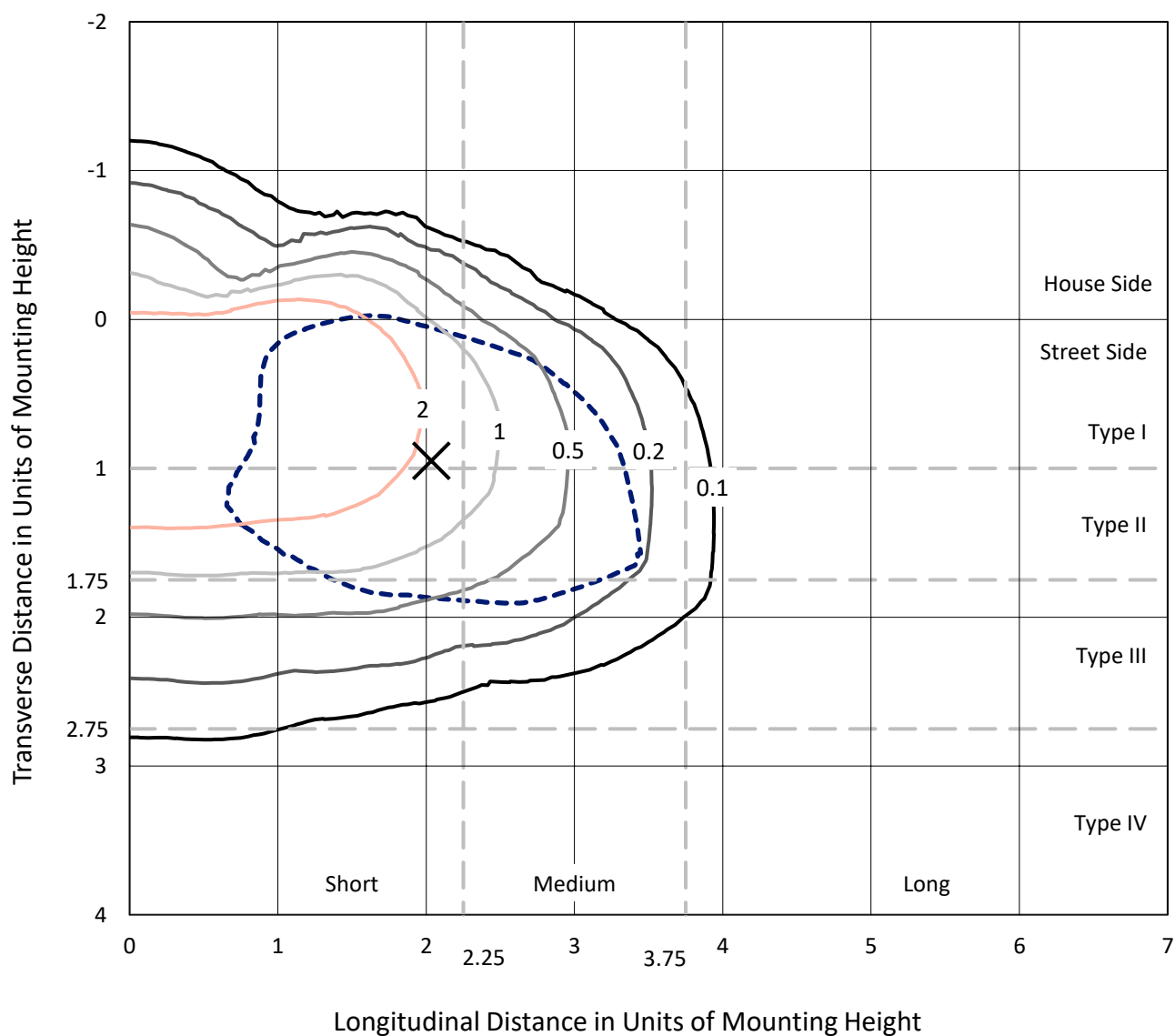
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

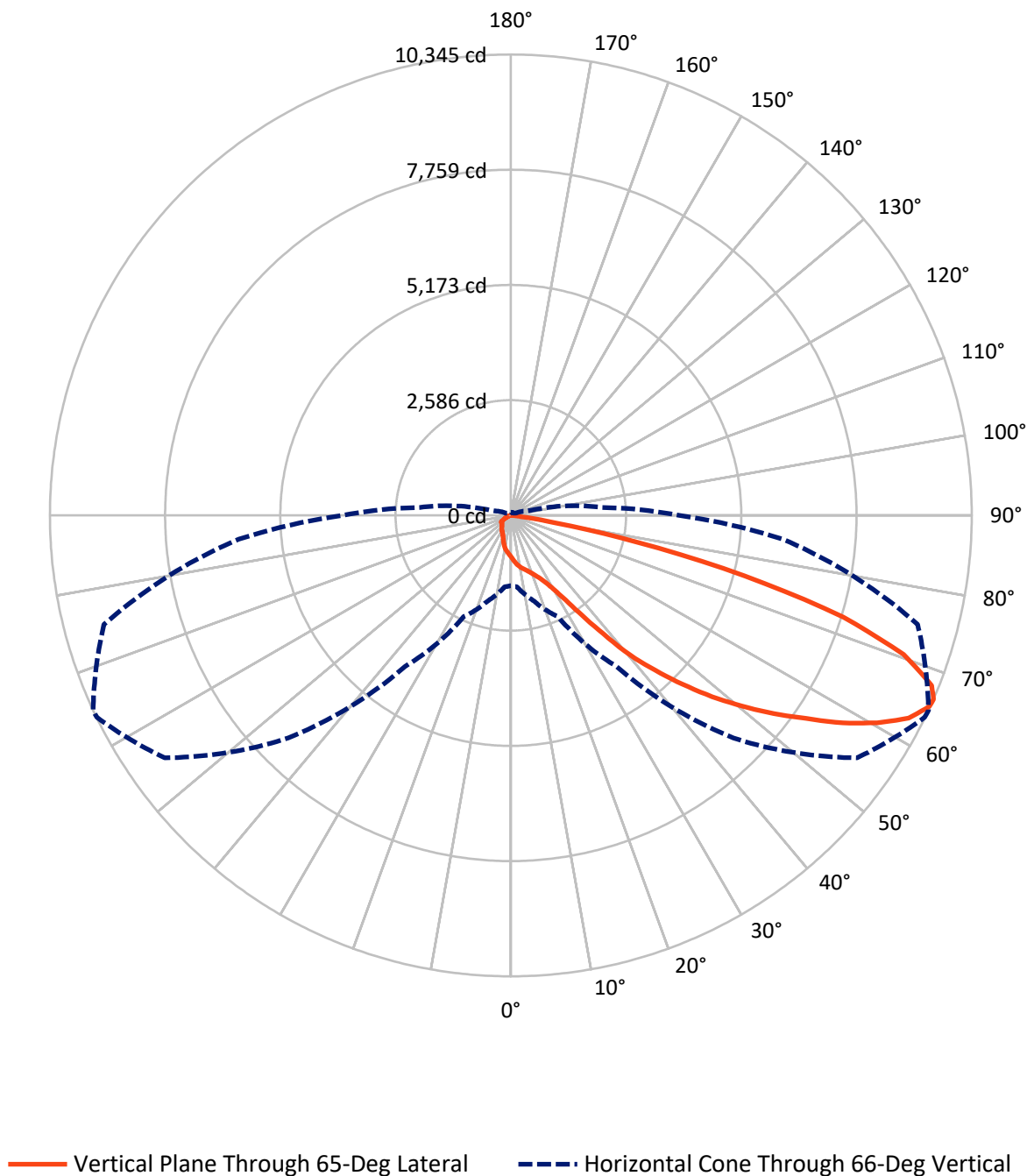


Based on 20 foot mounting height. Maximum calculated value = 4.9 fc
Type III - Short - N/A

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Luminous Intensity Polar Plot



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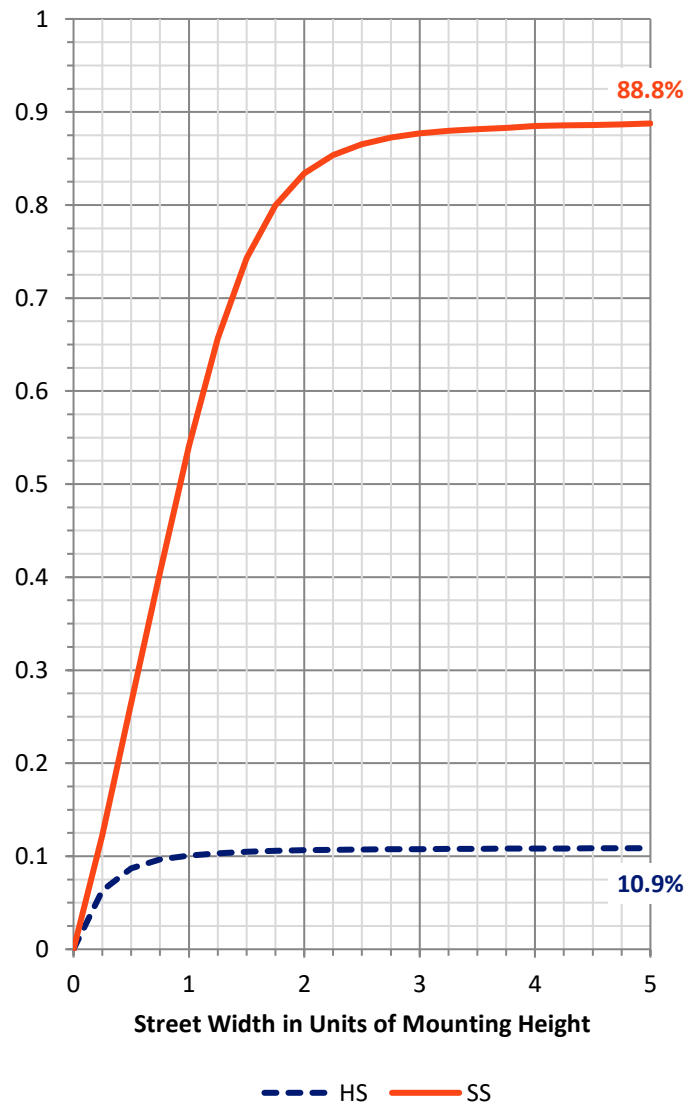
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1221.1	0.0	1221.1
	% Fixture	11.0	0.0	11.0
Street Side	Lumens	9916.9	0.0	9916.9
	% Fixture	89.0	0.0	89.0
Total	Lumens	11138.0	0.0	11138.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	88.2	0.8
10°-20°	260.1	2.3
20°-30°	474.0	4.3
30°-40°	940.7	8.4
40°-50°	1951.9	17.5
50°-60°	3041.3	27.3
60°-70°	3097.3	27.8
70°-80°	1202.8	10.8
80°-90°	81.7	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°	11138.0	100.0
0°-180°	11138.0	100.0



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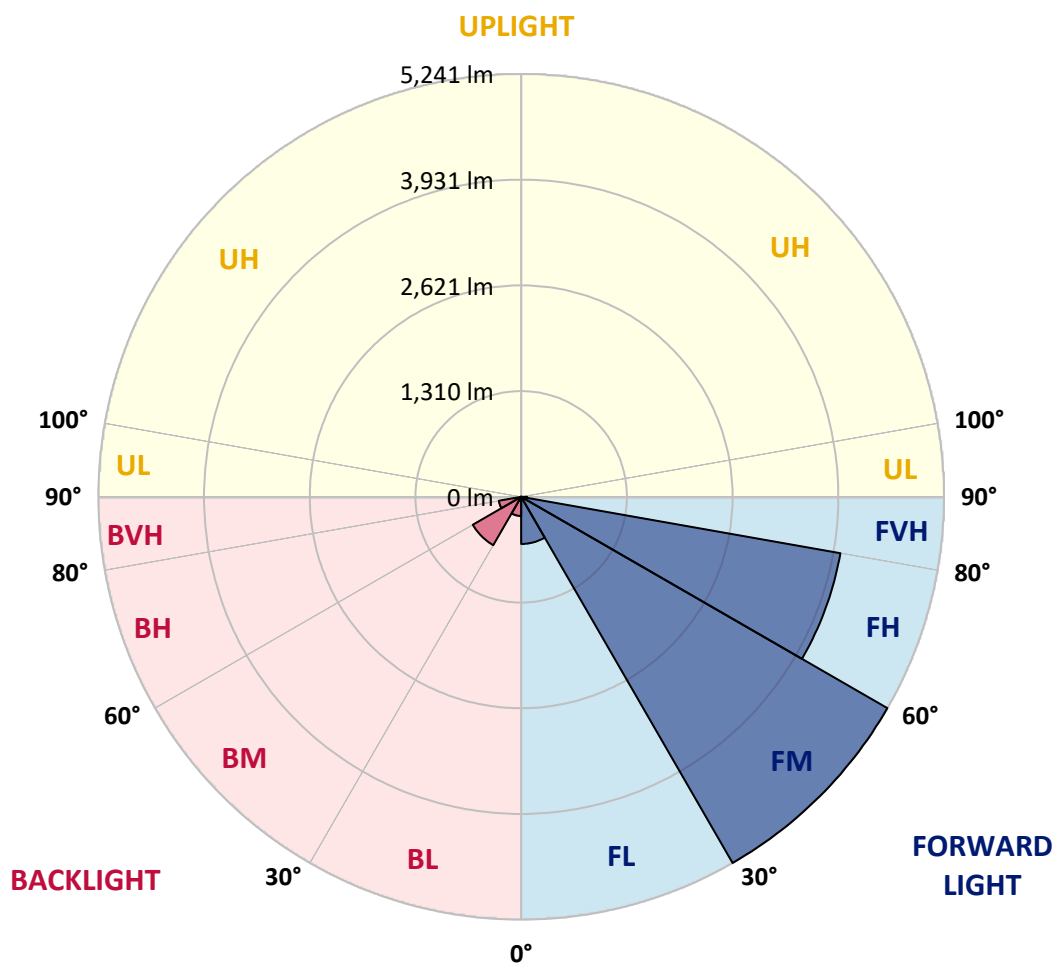
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	584.5	5.2			
FM	(30°-60°)	5241.4	47.1			
FH	(60°-80°)	4018.5	36.1			G2/5000
FVH	(80°-90°)	72.6	0.7			G1/100
BL	(0°-30°)	237.9	2.1	B1/500		
BM	(30°-60°)	692.6	6.2	B1/1000		
BH	(60°-80°)	281.6	2.5	B1/500		G1/500
BVH	(80°-90°)	9.1	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 III Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	64°	65°	75°	85°
0°	927.2	927.2	927.2	927.2	927.2	927.2	927.2	927.2	927.2	927.2	927.2
2.5°	1076.7	1072.9	1069.1	1062.3	1048.0	1035.1	1013.2	992.1	993.6	966.4	943.0
5°	1148.4	1144.6	1143.9	1141.6	1135.6	1121.2	1097.1	1065.3	1063.1	1014.8	962.7
7.5°	1162.7	1160.5	1161.2	1160.5	1162.7	1160.5	1155.9	1124.2	1125.7	1069.9	988.3
10°	1178.6	1173.3	1177.8	1181.6	1185.4	1189.2	1186.9	1176.3	1178.6	1123.5	1022.3
12.5°	1199.0	1194.5	1200.5	1207.3	1215.6	1223.1	1226.2	1217.1	1224.7	1186.1	1066.1
15°	1219.4	1215.6	1224.7	1236.7	1252.6	1264.7	1269.2	1266.2	1270.7	1250.3	1115.2
17.5°	1243.5	1239.8	1252.6	1272.2	1293.4	1315.3	1324.3	1322.8	1328.8	1319.8	1170.3
20°	1274.5	1270.7	1288.8	1316.8	1350.0	1377.2	1395.3	1390.0	1396.0	1395.3	1242.0
22.5°	1327.3	1323.6	1342.4	1374.1	1419.4	1456.4	1478.3	1473.1	1480.6	1479.9	1318.3
25°	1410.4	1407.4	1430.8	1462.5	1503.3	1556.1	1585.6	1578.0	1584.8	1584.0	1420.2
27.5°	1529.7	1528.9	1538.0	1568.9	1615.8	1677.7	1728.3	1717.7	1729.8	1732.0	1543.3
30°	1704.8	1691.3	1681.4	1699.6	1749.4	1840.8	1914.7	1931.4	1945.7	1957.8	1744.1
32.5°	2000.1	1963.8	1932.1	1884.5	1906.4	2029.5	2173.0	2256.0	2262.8	2325.5	2046.1
35°	2394.2	2356.4	2279.4	2194.9	2156.4	2273.4	2526.3	2728.7	2749.8	2883.4	2488.6
37.5°	2818.5	2798.9	2688.6	2584.5	2518.8	2610.9	2955.2	3374.2	3367.4	3540.3	2996.7
40°	3356.8	3344.8	3229.2	3057.9	2915.2	3003.5	3467.8	4030.3	4123.2	4197.9	3574.3
42.5°	3768.3	3732.8	3670.2	3603.0	3427.1	3433.9	4005.4	4693.2	4751.4	4864.6	4139.1
45°	4022.0	4005.4	4045.4	4087.0	4006.2	3942.0	4604.9	5360.7	5402.2	5556.2	4693.2
47.5°	4242.5	4241.0	4293.8	4459.2	4500.0	4541.5	5273.9	6011.5	6081.0	6248.6	5199.1
50°	4361.0	4373.9	4514.3	4749.1	4921.3	5147.0	5995.7	6690.3	6722.0	6871.5	5686.9
52.5°	4285.5	4306.7	4590.6	4961.3	5254.2	5723.9	6711.4	7353.2	7390.2	7487.6	6108.9
55°	3996.4	4009.2	4421.4	5015.6	5542.6	6375.4	7426.4	8001.8	8041.8	8071.2	6539.3
57.5°	3452.7	3491.2	4046.2	4805.0	5745.7	6938.7	8164.1	8739.4	8787.0	8655.6	6900.9
60°	2949.1	2985.4	3545.6	4318.7	5686.9	7423.4	8869.3	9439.3	9449.1	9174.3	7012.7
62.5°	2339.1	2389.7	2942.3	3655.1	5301.0	7664.3	9361.6	10000.3	10019.9	9505.8	6823.9
65°	1721.5	1776.6	2244.7	2826.8	4540.7	7413.6	9563.9	10323.5	10328.8	9533.7	6380.7
66°	1576.5	1609.7	1984.2	2508.2	4138.3	7064.8	9486.1	10334.8	10345.4	9452.9	6127.8
67.5°	1416.4	1442.9	1734.3	2026.5	3424.8	6332.4	9036.2	10169.4	10187.6	9117.7	5732.2
70°	1106.9	1132.5	1347.7	1495.0	2351.2	4444.1	7715.6	9282.3	9354.8	8060.7	4870.7
72.5°	749.7	769.4	886.4	957.4	1411.9	2474.2	5781.2	7696.7	7805.5	6238.0	3583.4
75°	453.8	462.8	486.2	535.3	705.9	1187.7	3452.0	5338.8	5421.8	3960.1	2123.9
77.5°	330.7	327.7	335.2	334.5	351.1	464.3	1631.6	2888.7	2899.3	1751.7	896.2
80°	260.5	246.9	250.7	250.7	234.8	214.4	510.4	884.9	980.0	508.9	265.0
82.5°	207.6	197.8	200.1	195.6	172.9	142.7	160.1	230.3	230.3	151.8	90.6
85°	148.7	138.9	144.2	145.7	110.2	104.2	92.1	103.4	104.2	81.5	69.5
87.5°	74.0	74.7	80.0	88.3	72.5	58.9	49.1	49.8	51.3	45.3	40.0
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°	927.2	927.2	927.2	927.2	927.2	927.2	927.2	927.2	927.2	927.2	927.2
2.5°	930.2	918.9	897.7	881.1	860.7	846.4	833.5	822.2	820.0	815.4	810.9
5°	937.7	915.8	875.8	838.8	801.8	770.9	743.7	720.3	708.2	693.1	691.6
7.5°	949.8	918.1	857.7	800.3	739.2	684.1	635.0	607.0	586.7	579.1	576.1
10°	970.2	926.4	844.1	752.8	657.6	586.7	548.1	523.2	514.2	512.7	512.7
12.5°	998.9	942.3	828.3	696.1	584.4	520.2	494.5	492.3	492.3	493.0	491.5
15°	1032.9	963.4	804.1	634.2	522.5	482.5	476.4	474.9	474.2	474.9	475.7
17.5°	1069.1	983.8	773.9	573.8	479.4	465.1	460.6	458.3	459.1	459.8	458.3
20°	1115.9	1010.2	733.1	516.4	459.8	449.2	444.0	442.4	442.4	443.2	443.2
22.5°	1168.8	1035.9	684.1	474.9	444.0	433.4	426.6	422.8	422.8	425.1	425.1
25°	1235.2	1065.3	632.0	444.0	425.8	415.3	404.7	399.4	400.9	402.4	400.9
27.5°	1316.8	1104.6	577.6	422.1	406.2	394.1	379.8	373.7	374.5	380.5	380.5
30°	1454.9	1162.7	528.5	400.9	383.6	367.7	351.8	346.6	348.8	357.1	360.1
32.5°	1657.3	1263.9	487.0	379.0	357.9	335.2	319.4	313.3	320.9	334.5	335.2
35°	1999.3	1452.7	462.1	354.9	327.7	302.8	282.4	275.6	286.2	297.5	299.7
37.5°	2401.0	1719.2	470.4	333.0	299.7	271.8	249.9	242.4	246.1	257.5	257.5
40°	2851.7	2035.5	530.0	312.6	274.1	243.9	222.0	214.4	215.9	219.0	222.0
42.5°	3267.0	2365.5	632.7	293.7	251.4	218.2	200.1	191.8	192.5	193.3	193.3
45°	3725.3	2705.3	755.8	279.4	230.3	197.8	179.7	175.9	175.9	176.7	177.4
47.5°	4125.5	3020.9	890.2	271.1	210.7	178.2	163.8	162.3	162.3	163.8	164.6
50°	4511.3	3322.1	1026.8	265.8	191.8	161.6	150.3	148.7	150.3	152.5	153.3
52.5°	4849.5	3611.3	1180.1	263.5	175.2	148.0	138.2	135.9	136.7	138.9	139.7
55°	5171.9	3897.4	1356.8	262.7	157.8	134.4	125.3	122.3	123.1	124.6	123.8
57.5°	5421.8	4034.9	1462.5	241.6	143.5	121.6	112.5	107.2	108.7	108.7	110.2
60°	5379.6	3874.0	1343.2	197.1	128.4	107.2	98.9	93.6	95.9	95.9	97.4
62.5°	4878.2	3234.5	958.1	157.0	112.5	94.4	86.8	83.1	84.6	85.3	84.6
65°	4107.3	2373.0	510.4	126.8	95.9	81.5	76.3	72.5	74.0	73.2	73.2
66°	3773.6	2049.1	387.3	118.5	89.1	77.8	72.5	69.5	69.5	68.7	68.0
67.5°	3272.3	1639.9	246.1	105.7	80.0	73.2	67.2	63.4	62.7	61.9	61.9
70°	2432.7	1088.7	136.7	83.1	68.0	63.4	58.9	54.4	52.9	52.1	52.9
72.5°	1748.6	714.3	92.1	64.2	58.1	55.9	50.6	45.3	44.5	45.3	45.3
75°	1028.3	386.6	68.0	47.6	47.6	47.6	43.0	37.8	37.8	41.5	41.5
77.5°	481.0	182.7	51.3	38.5	38.5	40.8	35.5	31.7	34.0	38.5	39.3
80°	182.7	83.1	35.5	30.2	30.2	34.0	27.9	27.9	29.4	31.0	28.7
82.5°	77.8	46.1	24.9	22.7	23.4	25.7	21.9	22.7	23.4	14.3	16.6
85°	61.2	27.2	13.6	12.8	13.6	15.1	12.1	13.6	11.3	3.8	7.6
87.5°	32.5	12.8	6.8	6.0	5.3	5.3	4.5	6.0	5.3	2.3	2.3
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

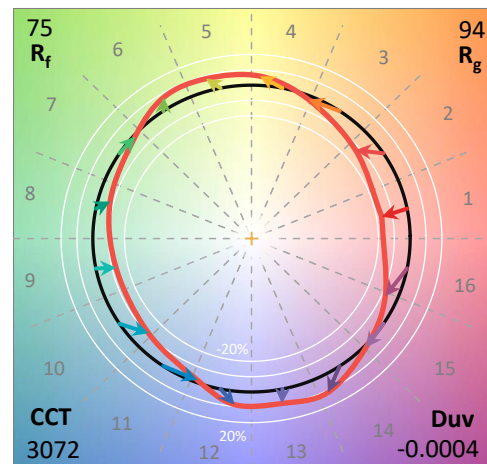
Test Information

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

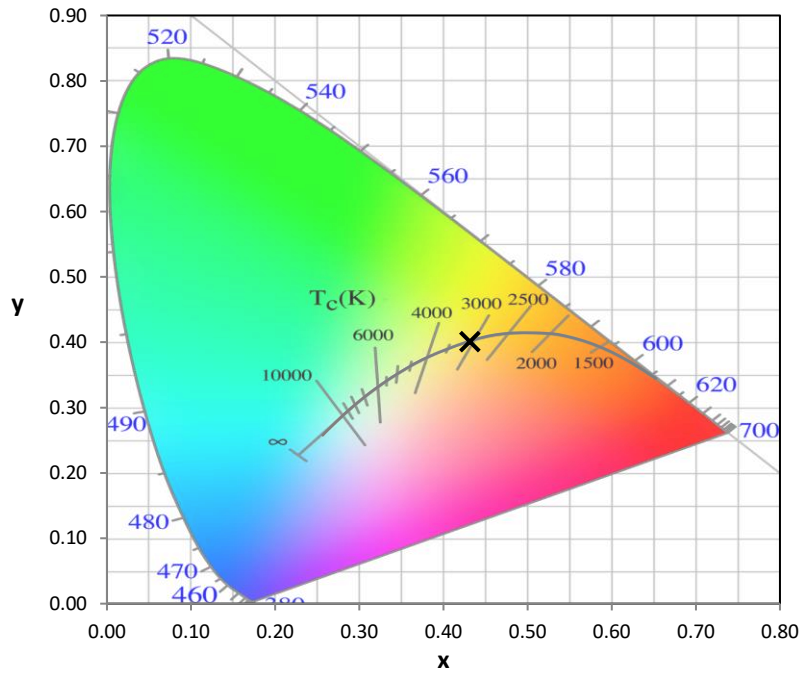
Stabilization Time: 30M
 Operation Time: 1H 30M
 Sphere Temperature (°C): 25.7

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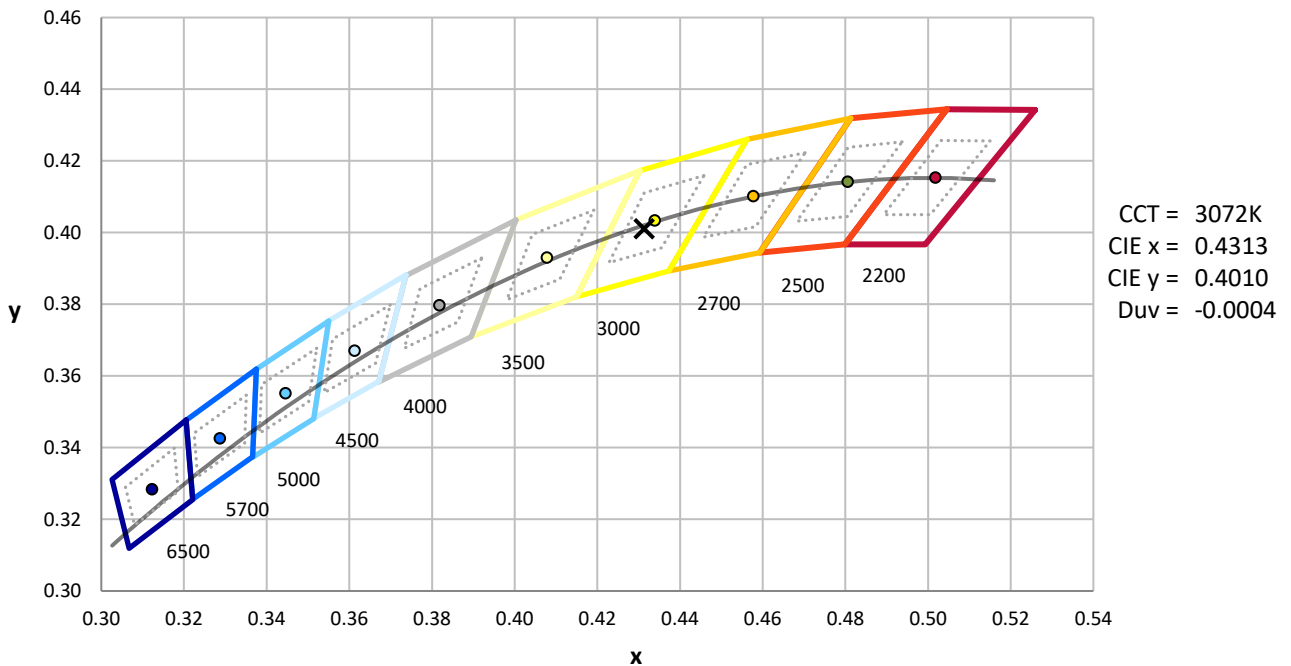
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN2187	1/6/2025	7/6/2025
Power Meter	INXT2011002	1/21/2025	1/21/2026
AC Power Source	IN0458	10/22/2024	10/22/2025
DC Power Source	IN0212	10/22/2024	10/22/2025
Sphere Thermometer	IN4036B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

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CIE 1931 Chromaticity Diagram



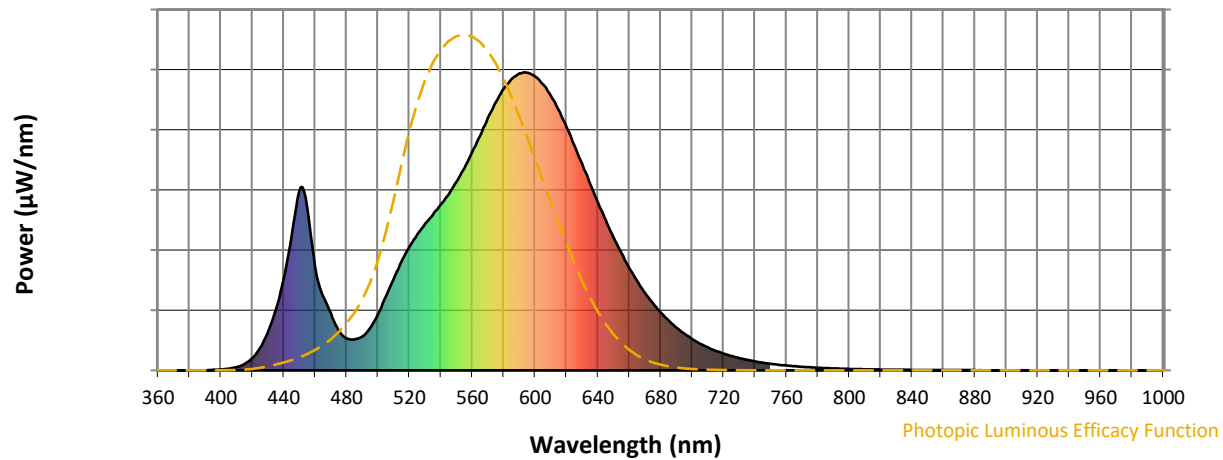
CIE 1931 Chromaticity Diagram with 2017 ANSI 7-Step and 4-Step Quadrangles



Point lies inside the ANSI 3000K 4-step quadrangle

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Photopic Flux vs. Wavelength

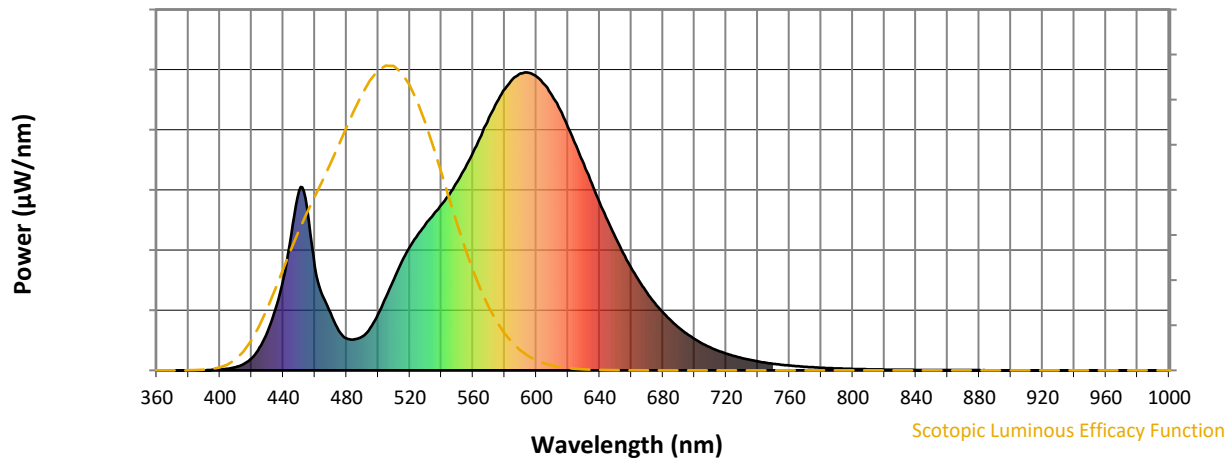


Photopic Lumens: NR

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



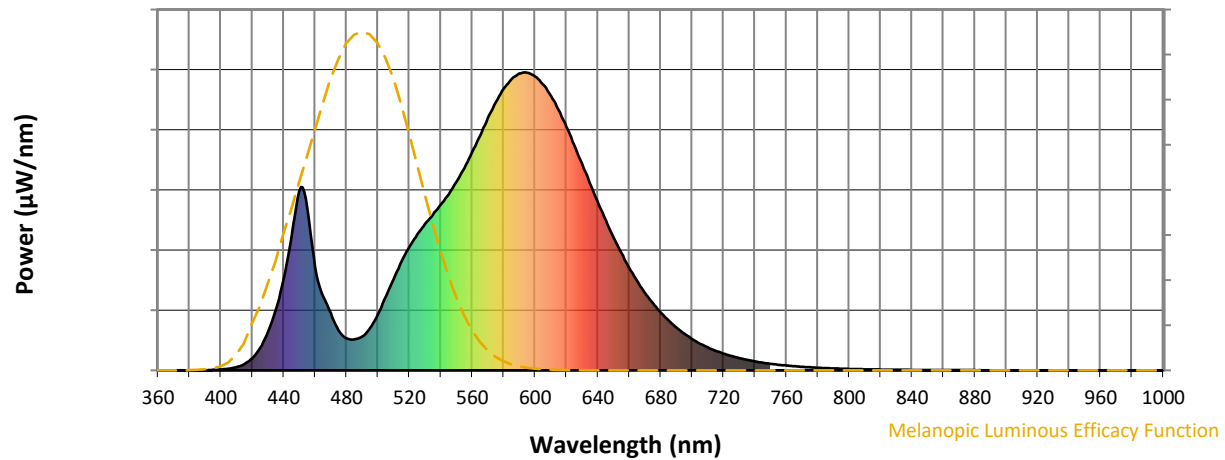
Scotopic Lumens: NR

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

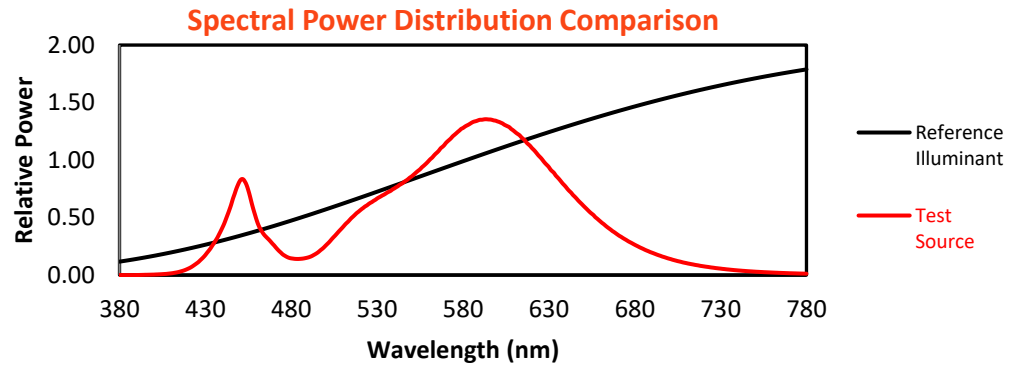
λ (nm)	Power W ^λ /nm	Lumens (φ/nm)	λ (nm)	Power W ^λ /nm	Lumens (φ/nm)	λ (nm)	Power W ^λ /nm	Lumens (φ/nm)	λ (nm)	Power W ^λ /nm	Lumens (φ/nm)	λ (nm)	Power W ^λ /nm	Lumens (φ/nm)
360	0	NR	490	114	NR	620	817	NR	750	22	NR	880	1	NR
365	0	NR	495	141	NR	625	756	NR	755	19	NR	885	1	NR
370	0	NR	500	189	NR	630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

REPORT NUMBER: SP2-2501-321-4

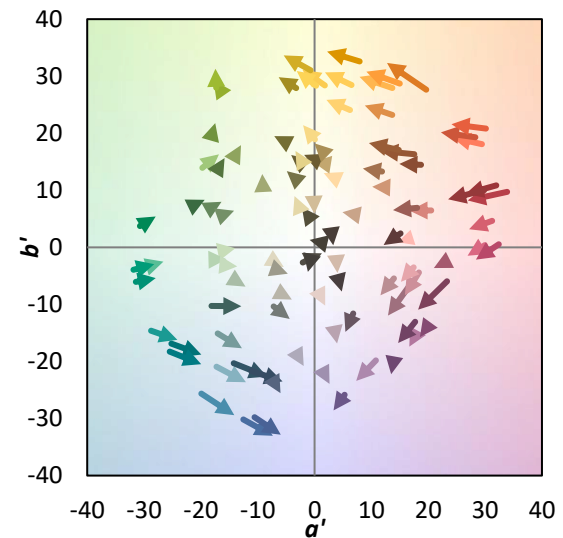
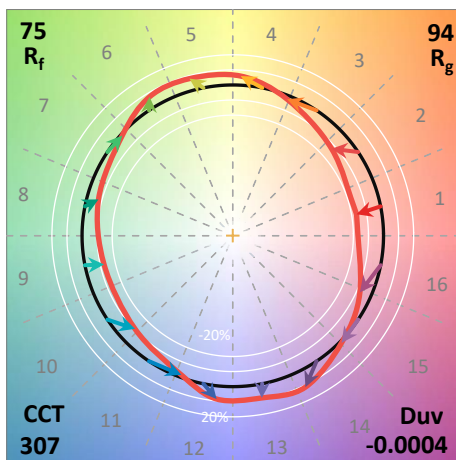
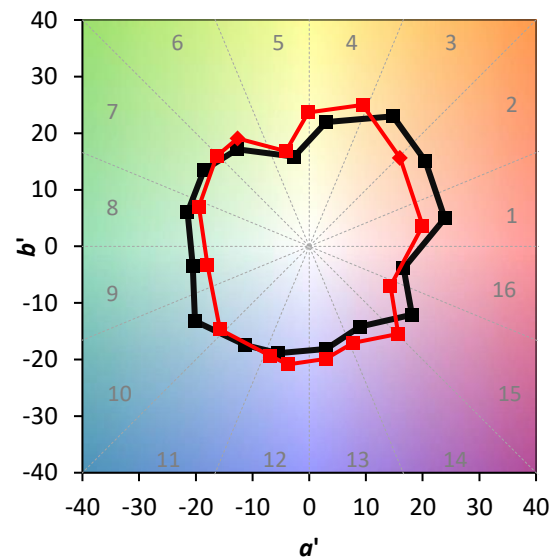
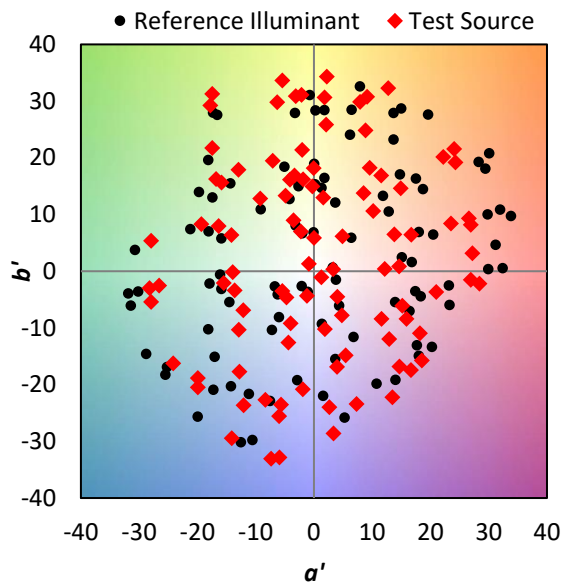
TM-30-18

Summary

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

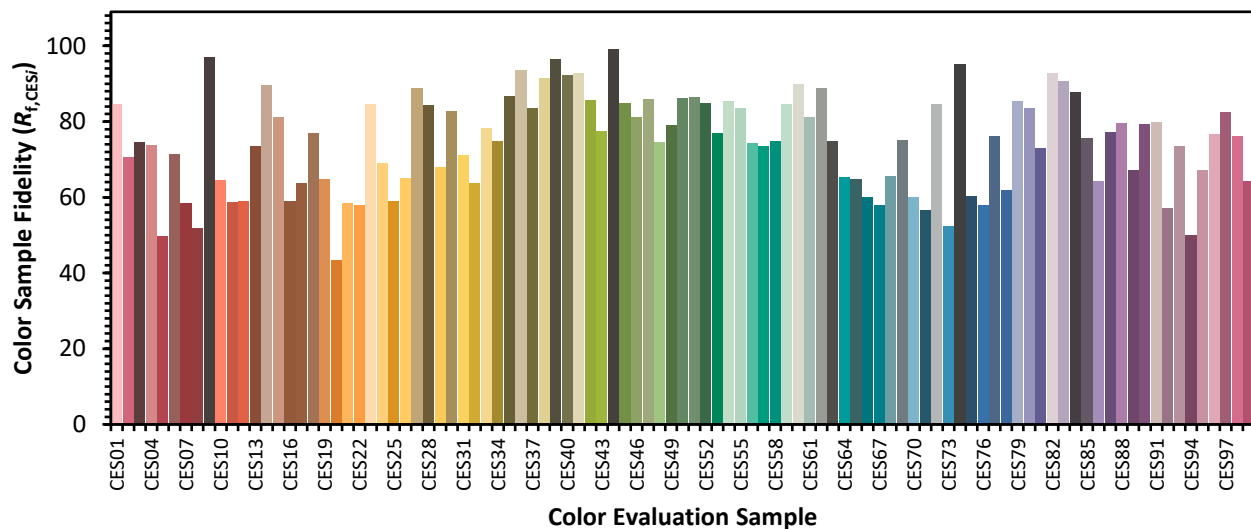


Color Vector Graphics

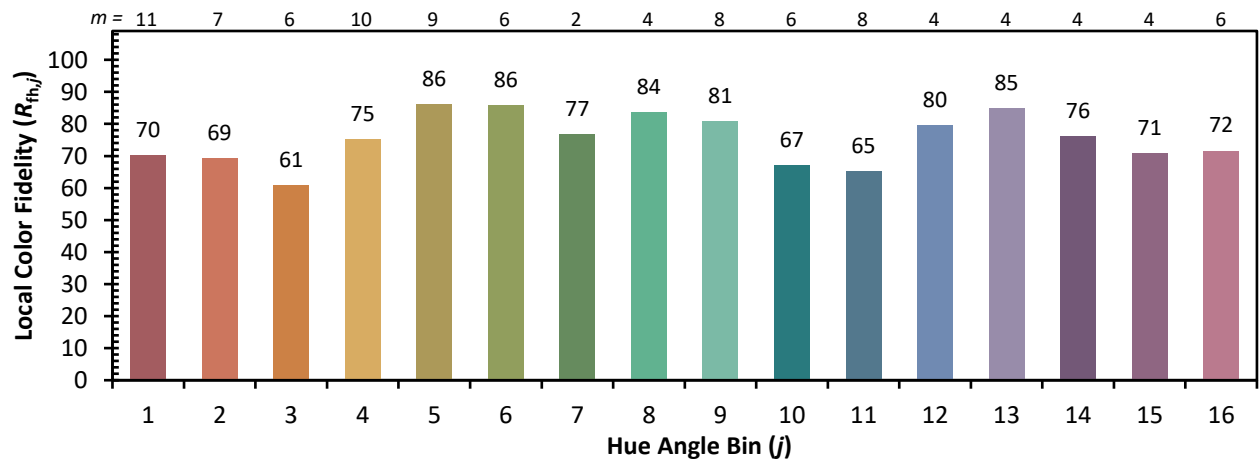
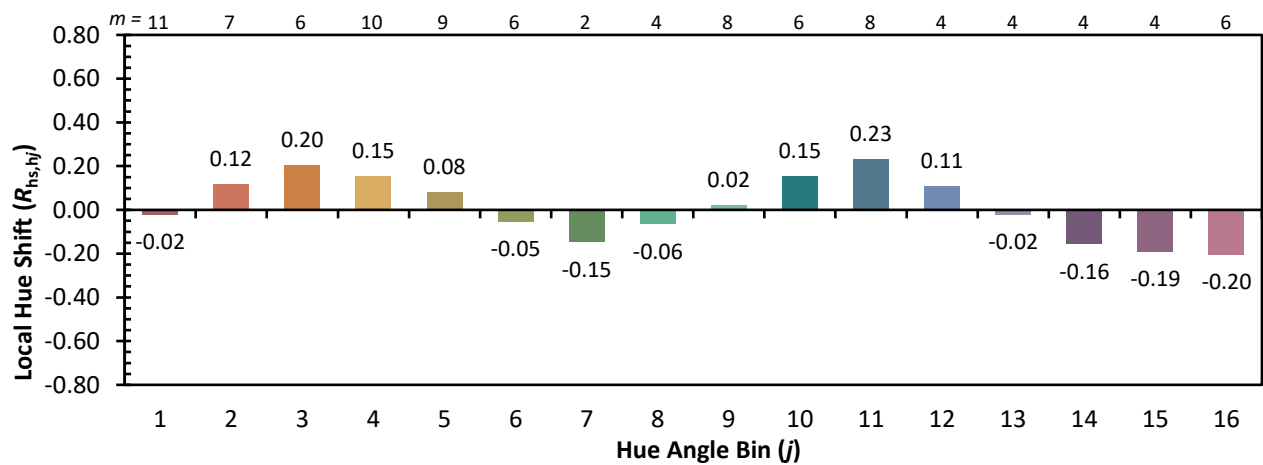
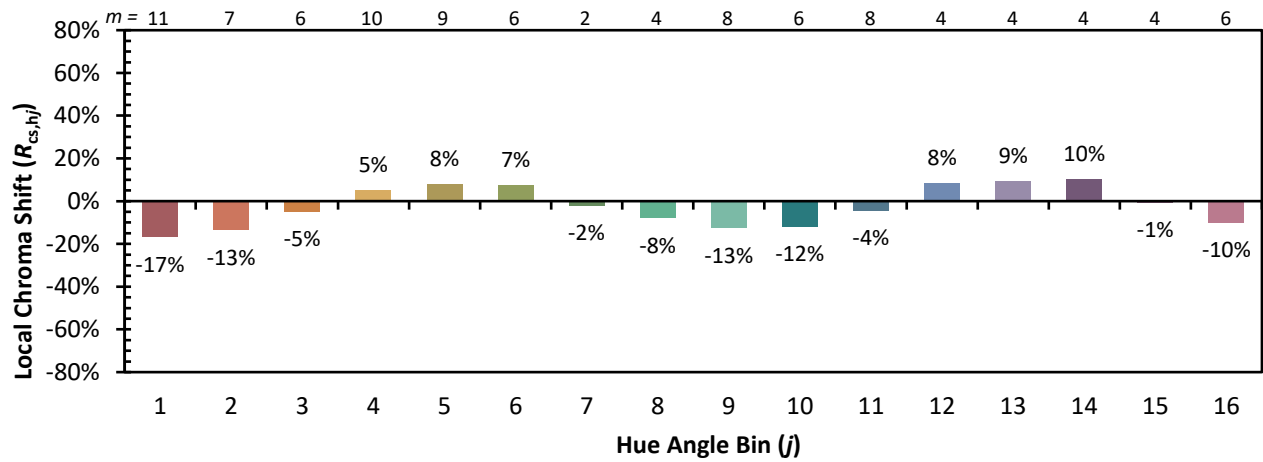


Individual Sample Fidelity Index ($R_{f,i}$)

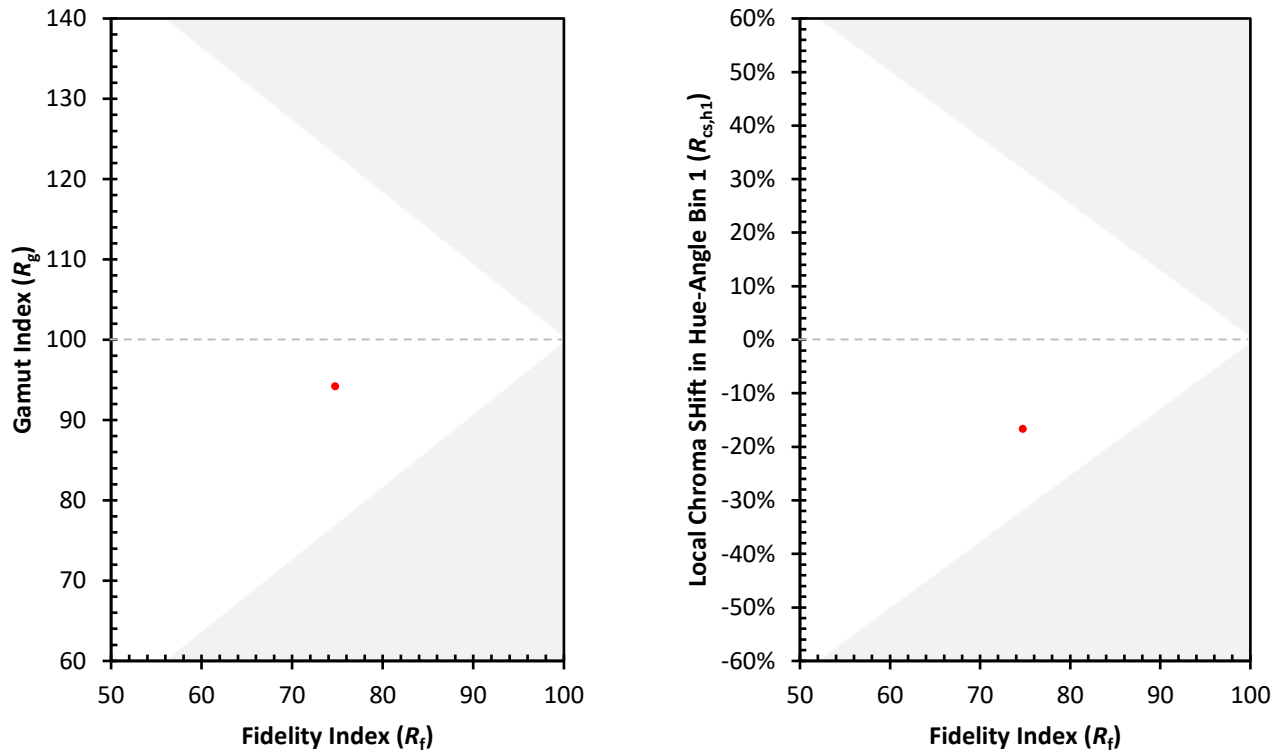
CES01 = 86	CES26 = 65	CES51 = 86	CES76 = 58
CES02 = 62	CES27 = 89	CES52 = 85	CES77 = 76
CES03 = 31	CES28 = 84	CES53 = 77	CES78 = 62
CES04 = 71	CES29 = 68	CES54 = 85	CES79 = 85
CES05 = 49	CES30 = 83	CES55 = 84	CES80 = 84
CES06 = 51	CES31 = 71	CES56 = 74	CES81 = 73
CES07 = 41	CES32 = 64	CES57 = 74	CES82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