

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: P1461647

Luminaire Tested: USSL-110-727-U-T3R

Issue Date: 06/10/2026

Test Information

Test Method: LM-79-2024
Report Number: P1461647
Test Lab: INNOVATION CENTER(G3)
Issue Date: 6/11/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: STREETWORKS
Catalog Number: USSL-110-727-U-T3R
Description: USSL DISCRETE LED 1 SQUARE 110W 70CRI 2700K FIXTURE w/ TYPE III DISTRIBUTION OPTIC
Light Source: (40) 2700K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 15673.3 lumens
Efficiency: N/A
Efficacy: 141.2 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): 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

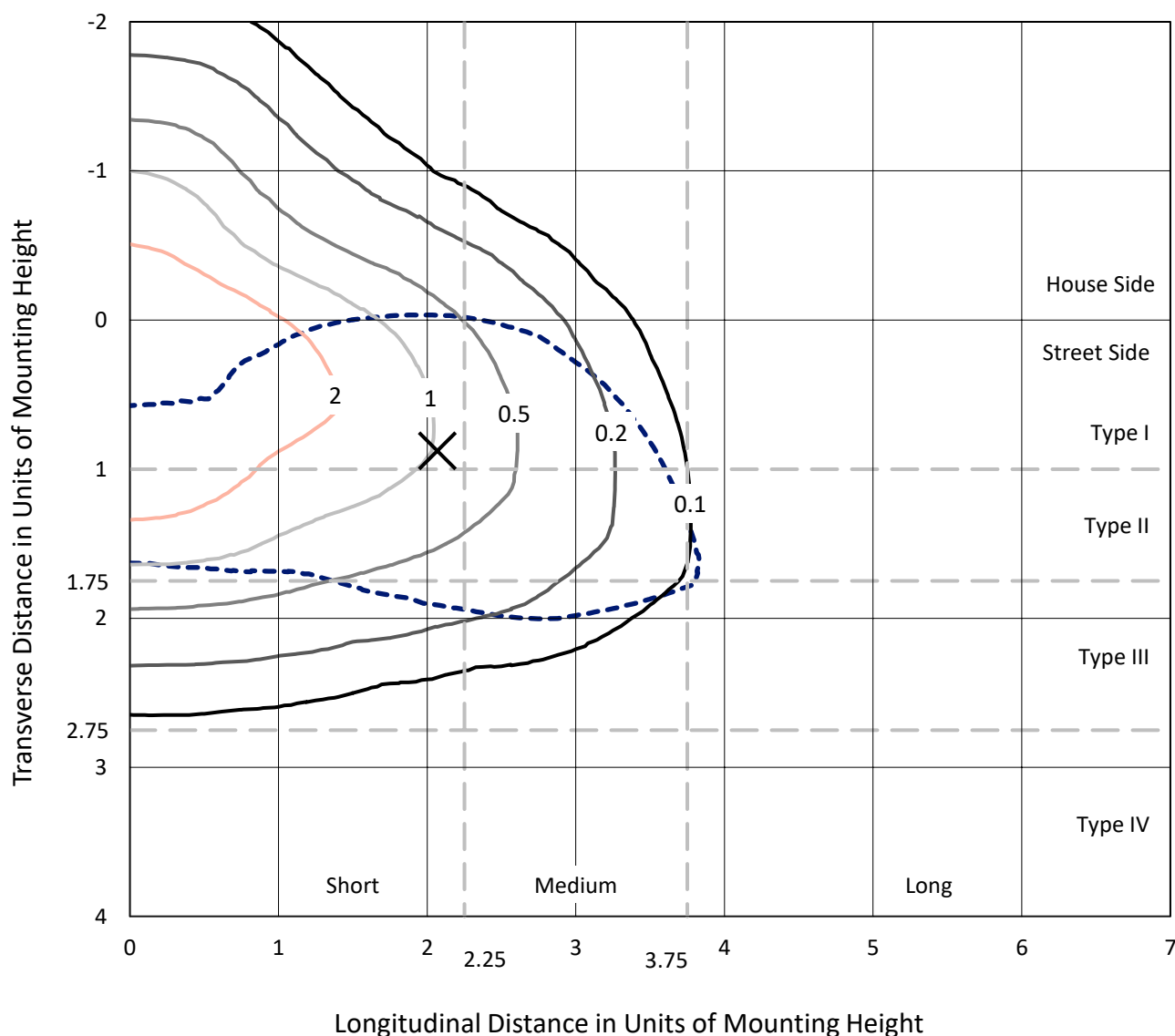
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd



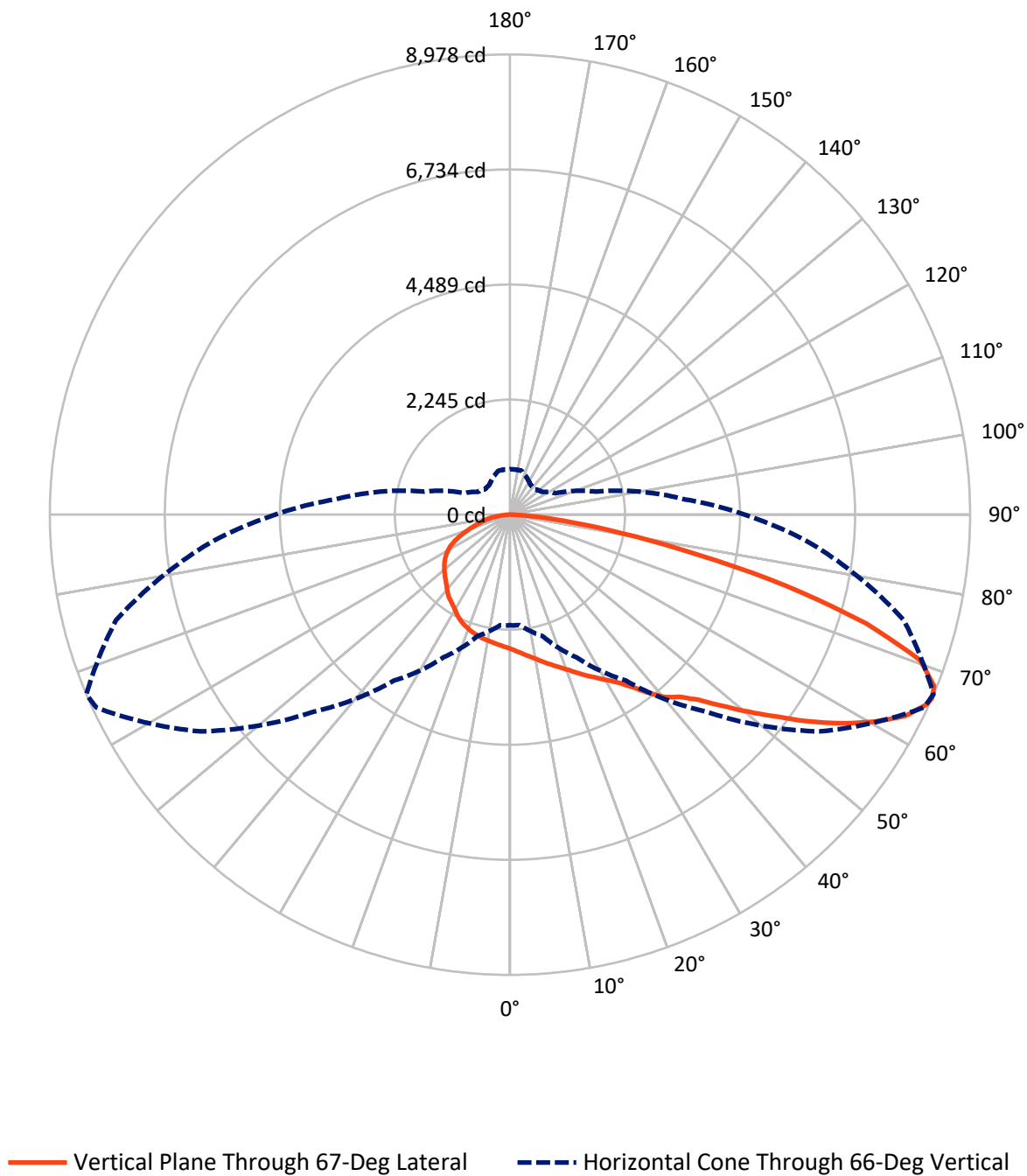
Based on 25 foot mounting height. Maximum calculated value = 4.8 fc

Type III - Short - N/A

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CATALOG NUMBER: USSL-110-727-U-T3R

Luminous Intensity Polar Plot



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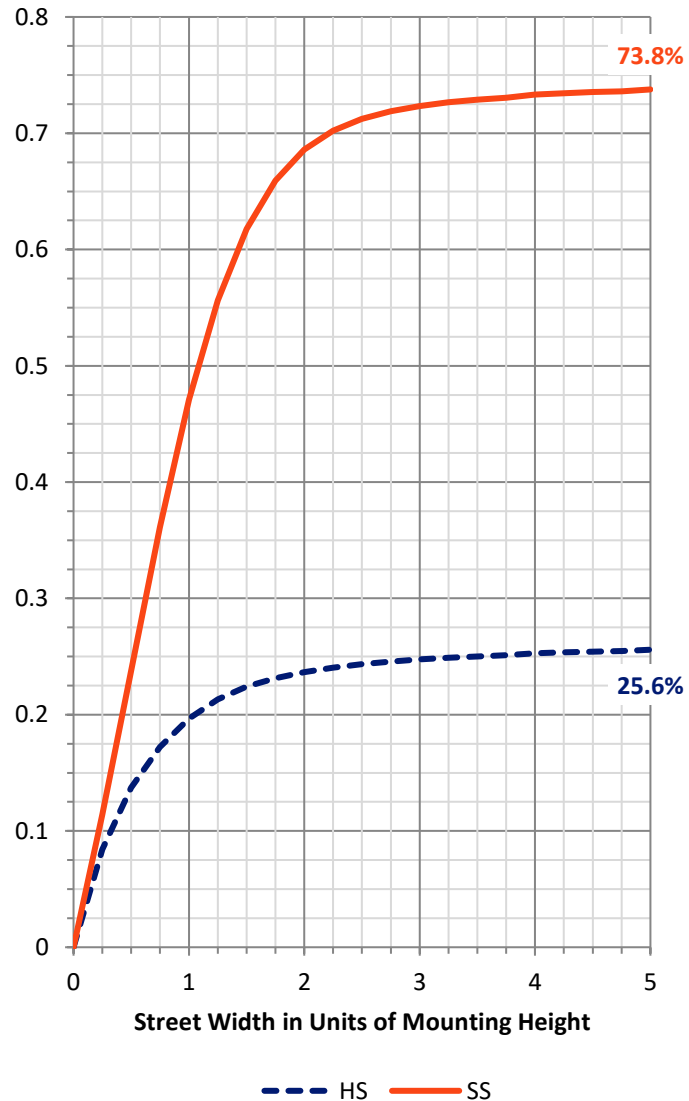
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4061.9	0.0	4061.9
	% Fixture	25.9	0.0	25.9
Street Side	Lumens	11611.3	0.0	11611.3
	% Fixture	74.1	0.0	74.1
Total	Lumens	15673.3	0.0	15673.3
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	252.4	1.6
10°-20°	759.6	4.8
20°-30°	1292.9	8.2
30°-40°	2021.2	12.9
40°-50°	2795.0	17.8
50°-60°	3351.6	21.4
60°-70°	3234.3	20.6
70°-80°	1669.1	10.6
80°-90°	297.2	1.9
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°	15673.3	100.0
0°-180°	15673.3	100.0

Coefficient of Utilization



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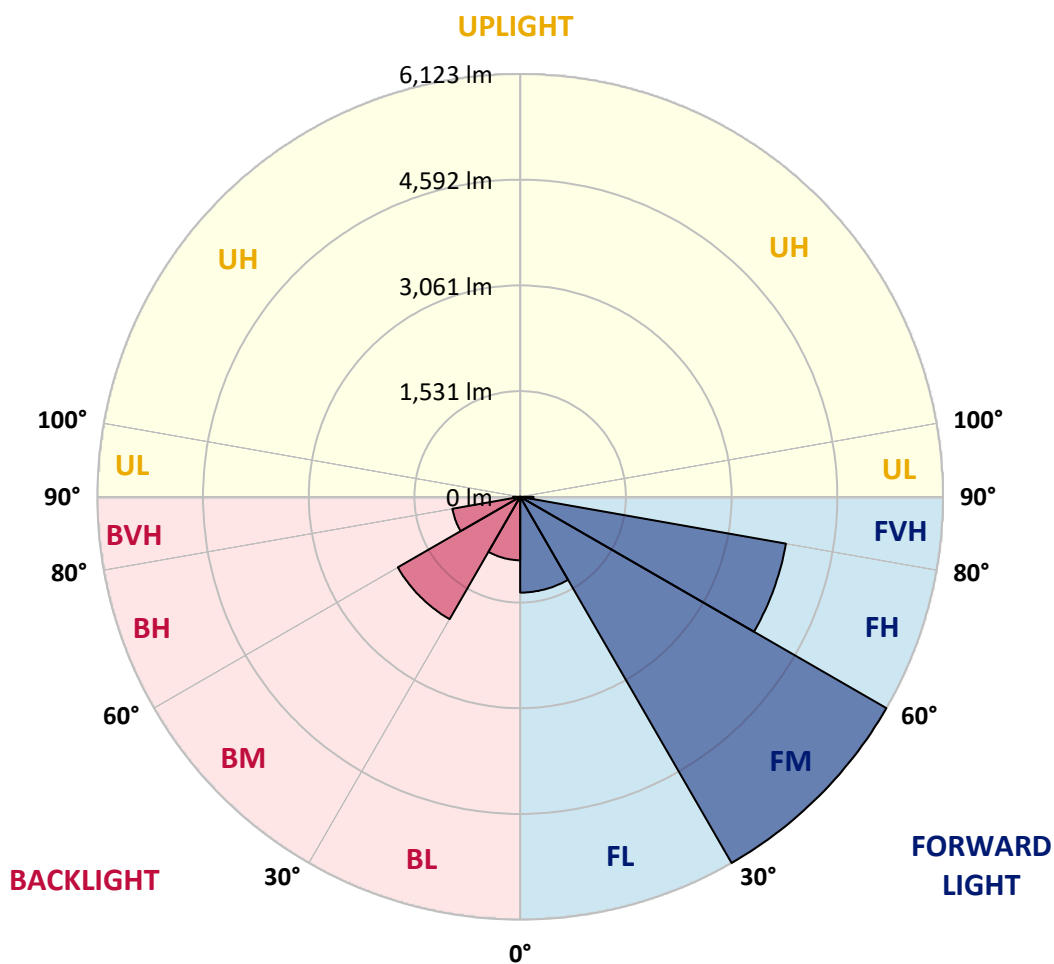
CATALOG NUMBER: USSL-110-727-U-T3R

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1387.0	8.8			
FM	(30°-60°)	6122.6	39.1			
FH	(60°-80°)	3907.6	24.9			G2/5000
FVH	(80°-90°)	194.1	1.2			G2/225
BL	(0°-30°)	917.8	5.9	B2/1000		
BM	(30°-60°)	2045.2	13.0	B2/2500		
BH	(60°-80°)	995.8	6.4	B2/1000		G2/1000
BVH	(80°-90°)	103.1	0.7			G2/225
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°	65°	67°	75°	85°
0°	2619.3	2619.3	2619.3	2619.3	2619.3	2619.3	2619.3	2619.3	2619.3	2619.3	2619.3
2.5°	2725.6	2727.8	2729.3	2724.9	2711.1	2701.6	2694.3	2671.0	2671.7	2657.2	2630.2
5°	2829.8	2840.7	2837.8	2829.8	2813.1	2789.7	2764.2	2727.1	2730.0	2698.7	2652.1
7.5°	2928.9	2942.7	2937.6	2931.1	2912.1	2882.2	2852.4	2798.5	2796.3	2749.0	2678.3
10°	3007.5	3022.1	3022.1	3017.7	3009.7	2975.5	2936.9	2878.6	2867.0	2800.7	2716.2
12.5°	3072.4	3085.5	3094.2	3090.6	3093.5	3070.2	3027.9	2964.6	2952.9	2864.8	2758.4
15°	3111.0	3135.7	3142.3	3153.9	3169.2	3159.8	3130.6	3045.4	3038.1	2939.1	2802.9
17.5°	3150.3	3164.1	3180.2	3209.3	3234.1	3248.6	3219.5	3148.1	3129.2	3009.7	2849.5
20°	3196.2	3221.7	3239.2	3269.8	3304.7	3340.4	3333.9	3249.4	3230.4	3097.9	2906.3
22.5°	3317.8	3336.0	3344.0	3365.2	3406.7	3442.4	3446.8	3372.5	3349.1	3204.9	2974.0
25°	3562.6	3583.0	3552.4	3529.1	3517.4	3548.7	3570.6	3502.1	3476.6	3311.3	3040.3
27.5°	3998.1	3997.4	3908.6	3813.9	3712.6	3675.5	3690.8	3632.5	3604.8	3414.7	3117.5
30°	4492.7	4516.8	4441.7	4212.3	3974.1	3824.1	3833.5	3768.0	3746.8	3540.0	3207.1
32.5°	5009.9	5023.7	4934.1	4713.4	4329.6	4053.5	3997.4	3942.8	3912.2	3706.8	3322.9
35°	5261.2	5288.9	5240.8	5029.5	4642.8	4334.7	4238.5	4180.2	4138.7	3904.2	3472.2
37.5°	5586.0	5626.1	5616.6	5316.5	4838.0	4559.7	4492.0	4435.2	4417.0	4151.1	3661.6
40°	6064.6	6063.1	6084.3	5605.0	5045.6	4715.6	4717.8	4720.0	4684.3	4354.3	3802.2
42.5°	6296.2	6289.7	6219.0	5764.5	5287.4	4869.3	4897.0	4894.1	4856.9	4508.7	3913.7
45°	6366.9	6358.9	6190.6	5886.9	5666.2	5042.7	5122.1	5181.8	5151.2	4789.9	4135.8
47.5°	6317.3	6301.3	6208.8	5959.7	5873.8	5347.9	5379.9	5575.1	5569.3	5140.3	4393.7
50°	6194.2	6149.8	6122.1	5985.9	5813.3	5484.1	5698.9	6061.0	6047.1	5570.0	4669.0
52.5°	5922.6	5916.7	5951.7	5862.1	5688.0	5545.3	6047.8	6548.2	6551.2	6007.1	4946.5
55°	5584.6	5563.5	5673.4	5666.2	5556.9	5666.9	6390.9	7107.7	7128.0	6458.7	5244.4
57.5°	4773.2	4797.2	5267.0	5398.8	5420.0	5791.4	6757.3	7635.7	7678.0	6916.1	5499.4
60°	3979.9	4026.6	4364.5	4959.6	5205.8	5856.3	7100.4	8173.3	8190.8	7374.2	5731.0
62.5°	3299.6	3285.8	3594.6	4266.2	4861.3	5830.8	7342.9	8589.2	8652.6	7739.2	5863.6
65°	2447.4	2480.2	2815.2	3410.3	4277.8	5589.7	7419.4	8876.9	8929.4	7941.7	5858.5
66°	2158.2	2164.1	2451.8	3072.4	3953.0	5440.4	7370.6	8903.9	8978.2	7956.2	5796.5
67.5°	1783.8	1791.8	2020.6	2528.2	3440.9	5115.5	7184.1	8854.3	8925.7	7875.4	5602.1
70°	1266.7	1309.6	1432.0	1773.6	2425.5	4161.3	6584.7	8318.2	8481.4	7362.6	5034.6
72.5°	917.0	928.7	1027.8	1204.8	1524.5	2774.4	5449.1	7163.7	7268.6	6157.1	4013.4
75°	654.1	668.7	752.4	823.1	1008.8	1711.7	3842.3	5611.5	5586.8	4405.3	2734.4
77.5°	508.4	519.3	549.9	587.8	677.4	979.0	2312.6	3792.0	3738.1	2761.3	1704.4
80°	413.0	415.9	406.4	421.7	466.9	616.9	1323.5	2264.6	2216.5	1558.0	1032.1
82.5°	321.9	325.6	318.3	308.1	330.7	416.6	772.8	1197.5	1190.9	903.2	559.4
85°	206.1	214.1	205.4	190.8	206.1	253.5	407.2	510.6	490.9	408.6	212.7
87.5°	115.1	113.6	104.2	83.8	72.8	91.8	113.6	114.4	110.0	96.1	58.3
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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CATALOG NUMBER: USSL-110-727-U-T3R

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	2619.3	2619.3	2619.3	2619.3	2619.3	2619.3	2619.3	2619.3	2619.3	2619.3	2619.3
2.5°	2624.4	2619.3	2598.2	2579.2	2559.6	2547.9	2530.4	2522.4	2513.0	2504.9	2497.7
5°	2639.0	2621.5	2581.4	2544.3	2508.6	2485.3	2454.0	2438.7	2421.2	2414.6	2405.9
7.5°	2656.4	2622.9	2569.0	2511.5	2463.4	2420.4	2380.4	2356.3	2336.7	2330.9	2330.1
10°	2679.0	2638.2	2558.1	2483.1	2416.1	2357.8	2306.8	2270.4	2248.5	2240.5	2236.9
12.5°	2706.0	2652.1	2550.8	2455.4	2368.0	2296.6	2233.3	2187.4	2166.2	2153.1	2154.6
15°	2738.0	2669.6	2542.8	2423.4	2312.6	2227.4	2150.2	2097.8	2073.0	2063.5	2062.1
17.5°	2771.5	2685.6	2534.1	2385.5	2251.5	2146.6	2065.7	2006.7	1975.4	1973.2	1979.0
20°	2810.1	2709.6	2523.9	2342.5	2187.4	2067.2	1977.6	1925.9	1894.5	1891.6	1903.3
22.5°	2855.3	2732.9	2508.6	2293.0	2116.0	1984.9	1896.7	1847.2	1822.4	1825.4	1834.8
25°	2906.3	2758.4	2488.9	2237.6	2036.6	1898.9	1817.3	1782.4	1767.1	1772.9	1786.0
27.5°	2956.5	2786.8	2459.1	2169.2	1951.4	1820.3	1762.0	1736.5	1732.1	1743.0	1758.3
30°	3018.5	2814.5	2423.4	2088.3	1859.6	1751.8	1710.3	1704.4	1708.8	1718.3	1735.8
32.5°	3104.4	2870.6	2398.6	2014.0	1778.7	1684.0	1676.8	1686.2	1697.9	1710.3	1729.9
35°	3220.2	2942.0	2392.0	1952.8	1705.2	1630.1	1648.4	1686.2	1705.9	1720.5	1739.4
37.5°	3365.9	3029.4	2382.6	1896.0	1636.0	1576.2	1628.7	1696.4	1722.6	1729.9	1744.5
40°	3447.5	3054.9	2314.8	1821.7	1569.7	1528.9	1608.3	1698.6	1721.2	1732.1	1744.5
42.5°	3522.5	3067.3	2251.5	1746.7	1518.0	1480.1	1573.3	1672.4	1709.5	1756.9	1772.9
45°	3667.5	3148.1	2226.0	1679.7	1464.1	1425.5	1505.6	1610.5	1704.4	1756.9	1770.0
47.5°	3855.4	3238.4	2201.2	1617.8	1403.6	1351.9	1402.2	1563.9	1668.7	1708.8	1713.9
50°	4050.6	3319.3	2168.4	1558.8	1328.6	1252.1	1314.7	1496.1	1607.6	1626.5	1630.9
52.5°	4226.9	3393.6	2136.4	1496.8	1249.9	1153.8	1224.4	1401.4	1501.9	1507.0	1518.0
55°	4403.1	3465.0	2097.0	1432.0	1156.0	1052.5	1121.7	1277.6	1357.0	1349.0	1349.0
57.5°	4541.5	3529.1	2061.4	1351.9	1067.8	965.1	1015.4	1137.7	1212.8	1205.5	1198.9
60°	4658.1	3570.6	2019.1	1258.7	979.0	880.6	911.9	1020.5	1093.3	1077.3	1077.3
62.5°	4704.7	3571.3	1949.9	1159.6	887.9	799.0	819.4	916.3	998.6	989.2	995.0
65°	4651.5	3503.6	1805.7	1038.0	802.0	721.1	737.9	820.9	917.8	914.9	920.7
66°	4577.9	3424.9	1728.5	988.4	771.4	697.1	702.9	788.1	884.3	885.7	885.0
67.5°	4417.7	3283.6	1590.1	917.8	721.8	651.2	658.5	743.7	839.1	831.8	834.7
70°	4006.9	2825.4	1306.0	792.5	647.5	576.9	588.5	676.7	747.3	740.0	738.6
72.5°	3202.7	2132.0	1054.7	676.7	572.5	511.3	528.8	590.0	677.4	673.8	675.9
75°	2124.0	1393.4	829.6	569.6	493.8	459.6	461.1	513.5	598.0	608.9	615.5
77.5°	1322.8	953.5	667.2	478.6	414.5	384.6	387.5	442.9	512.1	517.2	523.0
80°	848.6	702.9	525.9	388.2	316.9	310.3	319.8	370.8	428.3	432.7	429.8
82.5°	512.1	455.2	393.3	277.5	244.7	244.7	257.9	297.9	319.0	247.7	231.6
85°	203.9	236.7	214.1	153.0	157.3	161.0	169.0	201.8	212.7	112.2	88.1
87.5°	47.3	64.8	63.4	44.4	48.8	53.2	52.4	85.2	106.3	48.1	27.7
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: SP2-2501-321-3

Test Date: 04/09/2025

Luminaire Tested: GKO-PB1E-727-U-T4W

Data in this report applies to families of products including GKO-PB1E-727-U-T4W

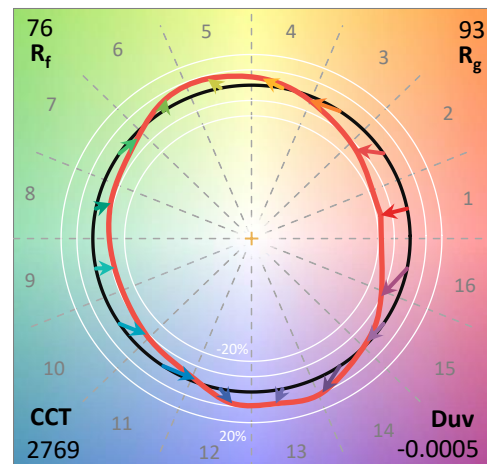
Test Information

Test Method: LM-79-2019
 Report Number: SP2-2501-321-3
 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-727-U-T4W**
 Description: Gekko Wedge Wall Pack Fixture 1 SQ w/ T4W distribution

Spectral Parameters

CCT (K): 2769
 CIE u' : 0.2596
 CIE v' : 0.5253
 Duv: -0.0005
 CIE x: 0.4535
 CIE y: 0.4078
 CIE z: 0.1387
 Peak Wavelength (nm): 597
 Dominant Wavelength (nm): 584
 Purity: 58.54014
 R_f: 75.7
 R_g: 93.2

CRI (Ra): 71.7
 R1: 68.0
 R2: 84.0
 R3: 94.6
 R4: 65.9
 R5: 67.3
 R6: 78.7
 R7: 75.2
 R8: 39.8
 R9: -34.5
 R10: 64.3
 R11: 60.9
 R12: 54.4
 R13: 71.2
 R14: 97.6
 R15: 59.5



Test Conditions

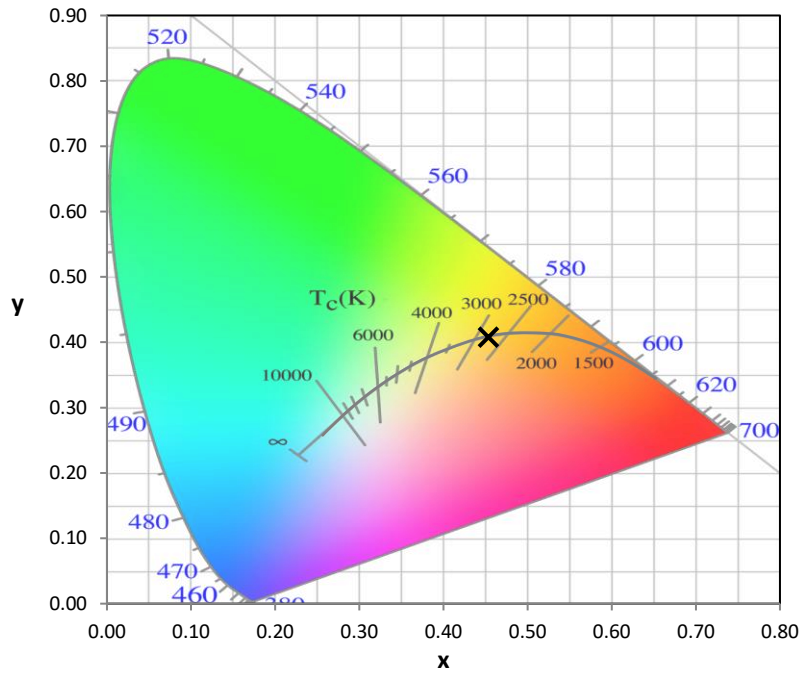
Stabilization Time: 36M
 Operation Time: 1H 36M
 Sphere Temperature (°C): 25.0

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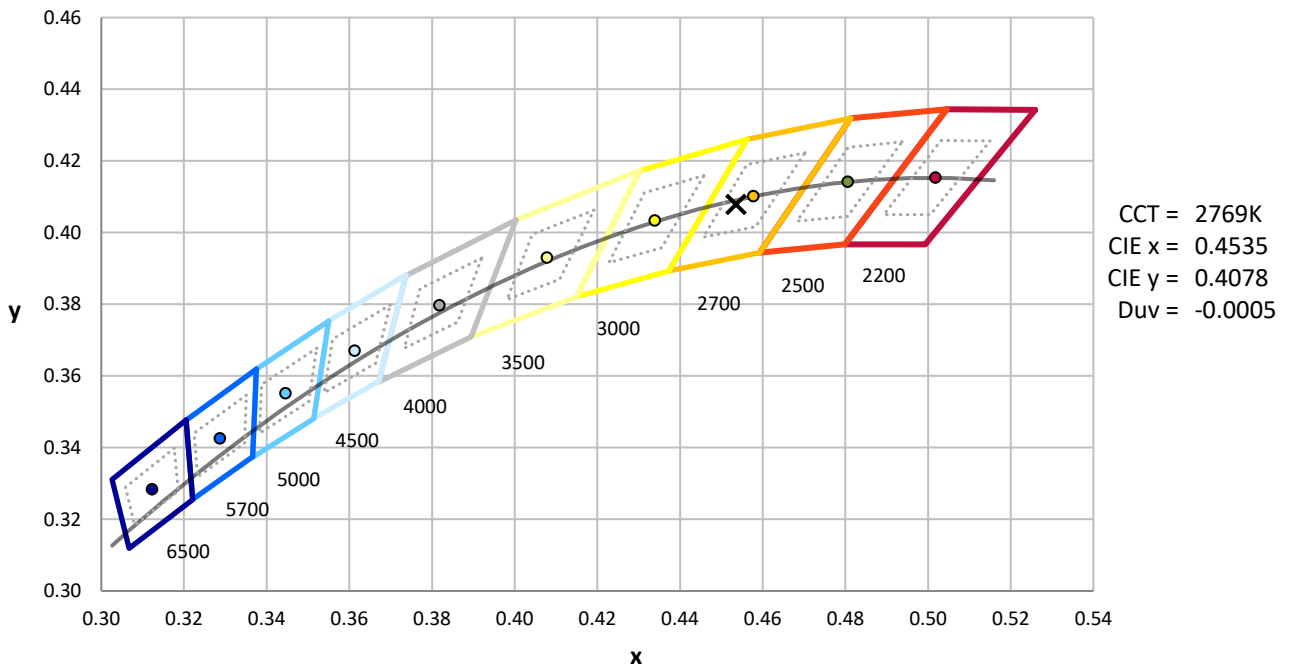
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN2187	1/6/2025	7/6/2025
Power Meter	INXT2011002	1/21/2025	1/21/2026
AC Power Source	IN0458	10/22/2024	10/22/2025
DC Power Source	IN0212	10/22/2024	10/22/2025
Sphere Thermometer	IN4036B	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 2700K 4-step quadrangle

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Photopic Flux vs. Wavelength



Photopic Lumens: NR

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	844	NR	750	22	NR	880	1	NR
365	0	NR	495	138	NR	625	785	NR	755	19	NR	885	1	NR
370	0	NR	500	176	NR	630	722	NR	760	16	NR	890	1	NR
375	0	NR	505	222	NR	635	655	NR	765	14	NR	895	0	NR
380	0	NR	510	268	NR	640	591	NR	770	12	NR	900	0	NR
385	0	NR	515	311	NR	645	527	NR	775	10	NR	905	0	NR
390	0	NR	520	348	NR	650	467	NR	780	9	NR	910	0	NR
395	0	NR	525	381	NR	655	412	NR	785	8	NR	915	0	NR
400	2	NR	530	410	NR	660	360	NR	790	7	NR	920	0	NR
405	4	NR	535	438	NR	665	314	NR	795	6	NR	925	0	NR
410	7	NR	540	469	NR	670	272	NR	800	5	NR	930	0	NR
415	13	NR	545	503	NR	675	236	NR	805	4	NR	935	0	NR
420	25	NR	550	544	NR	680	203	NR	810	4	NR	940	0	NR
425	46	NR	555	594	NR	685	175	NR	815	3	NR	945	0	NR
430	79	NR	560	652	NR	690	149	NR	820	3	NR	950	0	NR
435	128	NR	565	714	NR	695	128	NR	825	2	NR	955	0	NR
440	196	NR	570	783	NR	700	109	NR	830	2	NR	960	0	NR
445	299	NR	575	847	NR	705	93	NR	835	2	NR	965	0	NR
450	433	NR	580	906	NR	710	80	NR	840	2	NR	970	0	NR
455	433	NR	585	953	NR	715	68	NR	845	1	NR	975	0	NR
460	293	NR	590	985	NR	720	58	NR	850	1	NR	980	0	NR
465	215	NR	595	998	NR	725	50	NR	855	1	NR	985	0	NR
470	173	NR	600	997	NR	730	42	NR	860	1	NR	990	0	NR
475	127	NR	605	978	NR	735	36	NR	865	1	NR	995	0	NR
480	104	NR	610	945	NR	740	30	NR	870	1	NR	1000	0	NR
485	104	NR	615	902	NR	745	26	NR	875	1	NR			

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Scotopic Flux vs. Wavelength



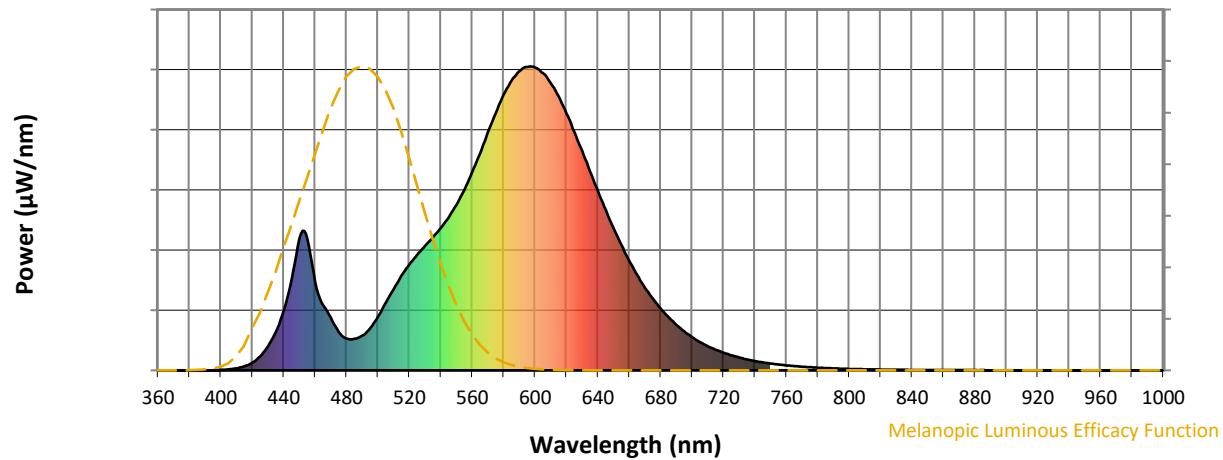
Scotopic Lumens: NR

S/P: 1.14

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	844	NR	750	22	NR	880	1	NR
365	0	NR	495	138	NR	625	785	NR	755	19	NR	885	1	NR
370	0	NR	500	176	NR	630	722	NR	760	16	NR	890	1	NR
375	0	NR	505	222	NR	635	655	NR	765	14	NR	895	0	NR
380	0	NR	510	268	NR	640	591	NR	770	12	NR	900	0	NR
385	0	NR	515	311	NR	645	527	NR	775	10	NR	905	0	NR
390	0	NR	520	348	NR	650	467	NR	780	9	NR	910	0	NR
395	0	NR	525	381	NR	655	412	NR	785	8	NR	915	0	NR
400	2	NR	530	410	NR	660	360	NR	790	7	NR	920	0	NR
405	4	NR	535	438	NR	665	314	NR	795	6	NR	925	0	NR
410	7	NR	540	469	NR	670	272	NR	800	5	NR	930	0	NR
415	13	NR	545	503	NR	675	236	NR	805	4	NR	935	0	NR
420	25	NR	550	544	NR	680	203	NR	810	4	NR	940	0	NR
425	46	NR	555	594	NR	685	175	NR	815	3	NR	945	0	NR
430	79	NR	560	652	NR	690	149	NR	820	3	NR	950	0	NR
435	128	NR	565	714	NR	695	128	NR	825	2	NR	955	0	NR
440	196	NR	570	783	NR	700	109	NR	830	2	NR	960	0	NR
445	299	NR	575	847	NR	705	93	NR	835	2	NR	965	0	NR
450	433	NR	580	906	NR	710	80	NR	840	2	NR	970	0	NR
455	433	NR	585	953	NR	715	68	NR	845	1	NR	975	0	NR
460	293	NR	590	985	NR	720	58	NR	850	1	NR	980	0	NR
465	215	NR	595	998	NR	725	50	NR	855	1	NR	985	0	NR
470	173	NR	600	997	NR	730	42	NR	860	1	NR	990	0	NR
475	127	NR	605	978	NR	735	36	NR	865	1	NR	995	0	NR
480	104	NR	610	945	NR	740	30	NR	870	1	NR	1000	0	NR
485	104	NR	615	902	NR	745	26	NR	875	1	NR			

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Melanopic Flux vs. Wavelength



Melanopic Lumens: NR

M/P: 2.08

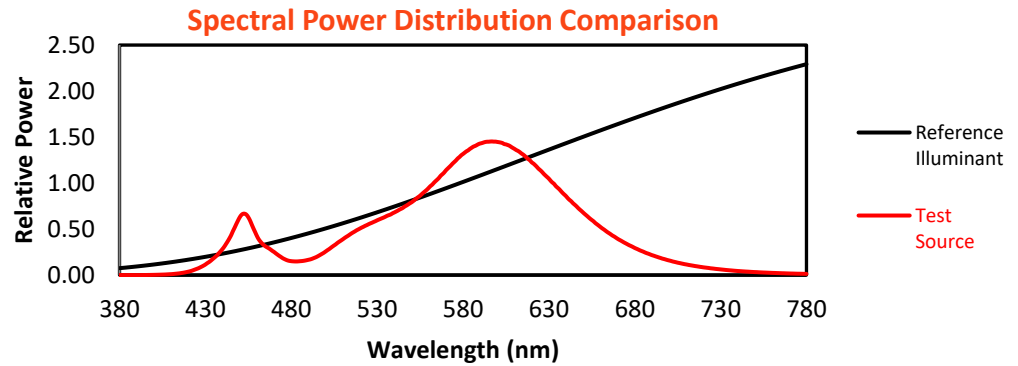
λ (nm)	Power W [^] /nm	Lumens (φ/nm)	λ (nm)	Power W [^] /nm	Lumens (φ/nm)	λ (nm)	Power W [^] /nm	Lumens (φ/nm)	λ (nm)	Power W [^] /nm	Lumens (φ/nm)	λ (nm)	Power W [^] /nm	Lumens (φ/nm)
360	0	NR	490	114	NR	620	844	NR	750	22	NR	880	1	NR
365	0	NR	495	138	NR	625	785	NR	755	19	NR	885	1	NR
370	0	NR	500	176	NR	630	722	NR	760	16	NR	890	1	NR
375	0	NR	505	222	NR	635	655	NR	765	14	NR	895	0	NR
380	0	NR	510	268	NR	640	591	NR	770	12	NR	900	0	NR
385	0	NR	515	311	NR	645	527	NR	775	10	NR	905	0	NR
390	0	NR	520	348	NR	650	467	NR	780	9	NR	910	0	NR
395	0	NR	525	381	NR	655	412	NR	785	8	NR	915	0	NR
400	2	NR	530	410	NR	660	360	NR	790	7	NR	920	0	NR
405	4	NR	535	438	NR	665	314	NR	795	6	NR	925	0	NR
410	7	NR	540	469	NR	670	272	NR	800	5	NR	930	0	NR
415	13	NR	545	503	NR	675	236	NR	805	4	NR	935	0	NR
420	25	NR	550	544	NR	680	203	NR	810	4	NR	940	0	NR
425	46	NR	555	594	NR	685	175	NR	815	3	NR	945	0	NR
430	79	NR	560	652	NR	690	149	NR	820	3	NR	950	0	NR
435	128	NR	565	714	NR	695	128	NR	825	2	NR	955	0	NR
440	196	NR	570	783	NR	700	109	NR	830	2	NR	960	0	NR
445	299	NR	575	847	NR	705	93	NR	835	2	NR	965	0	NR
450	433	NR	580	906	NR	710	80	NR	840	2	NR	970	0	NR
455	433	NR	585	953	NR	715	68	NR	845	1	NR	975	0	NR
460	293	NR	590	985	NR	720	58	NR	850	1	NR	980	0	NR
465	215	NR	595	998	NR	725	50	NR	855	1	NR	985	0	NR
470	173	NR	600	997	NR	730	42	NR	860	1	NR	990	0	NR
475	127	NR	605	978	NR	735	36	NR	865	1	NR	995	0	NR
480	104	NR	610	945	NR	740	30	NR	870	1	NR	1000	0	NR
485	104	NR	615	902	NR	745	26	NR	875	1	NR			

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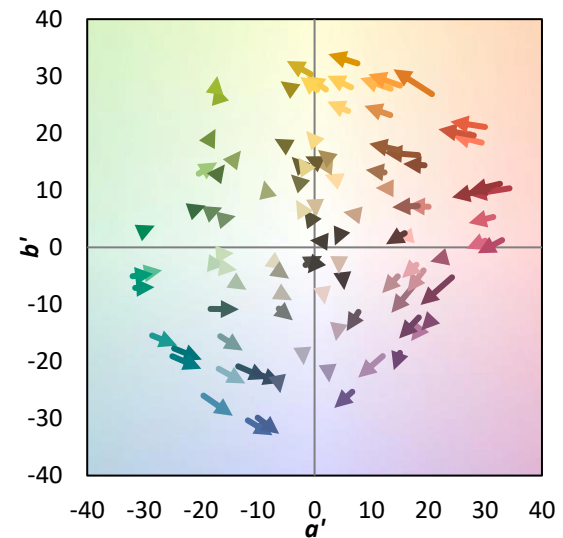
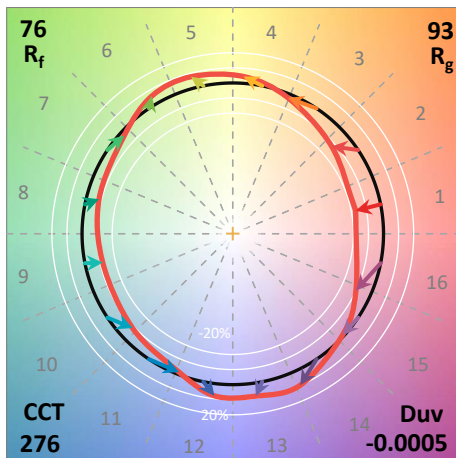
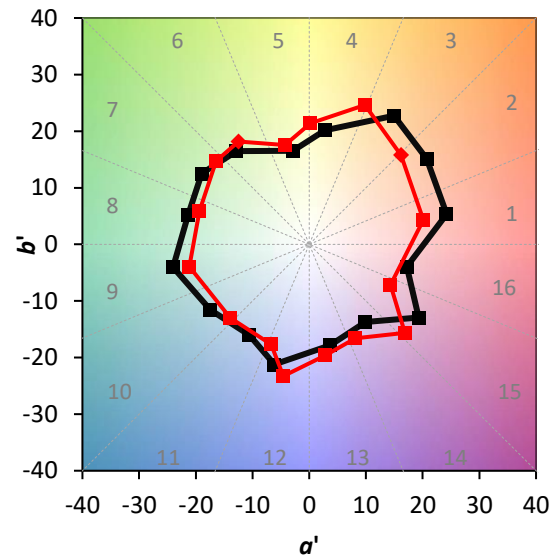
TM-30-18

Summary

$R_f = 75.7$
 $R_g = 93.2$
 $CIE R_a = 71.7$
 $R_g = -34.5$

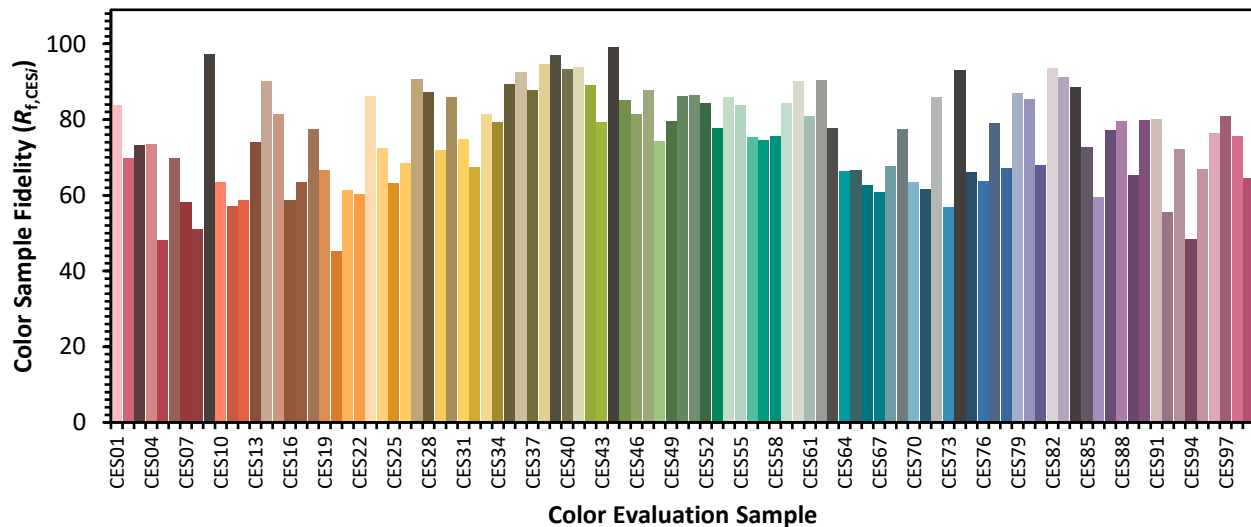


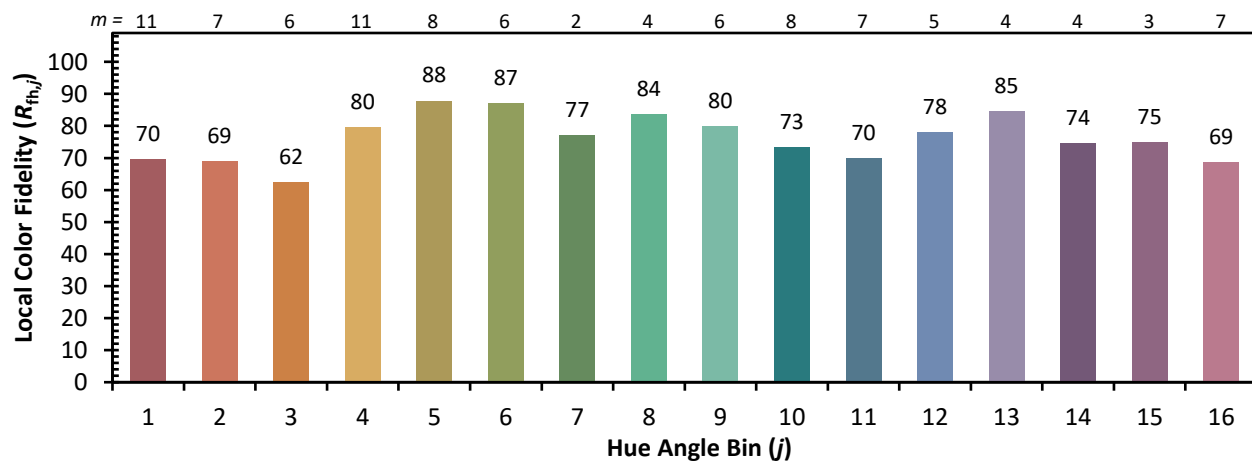
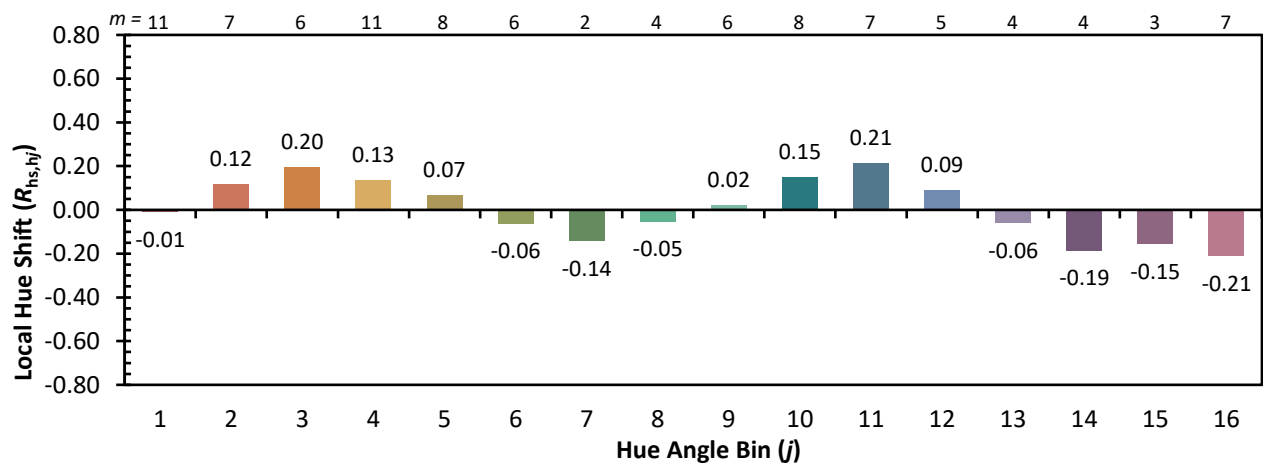
Color Vector Graphics



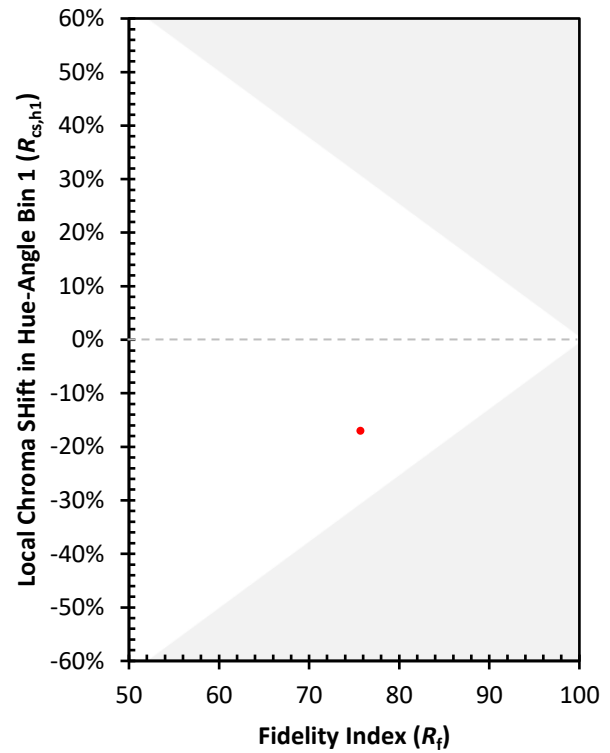
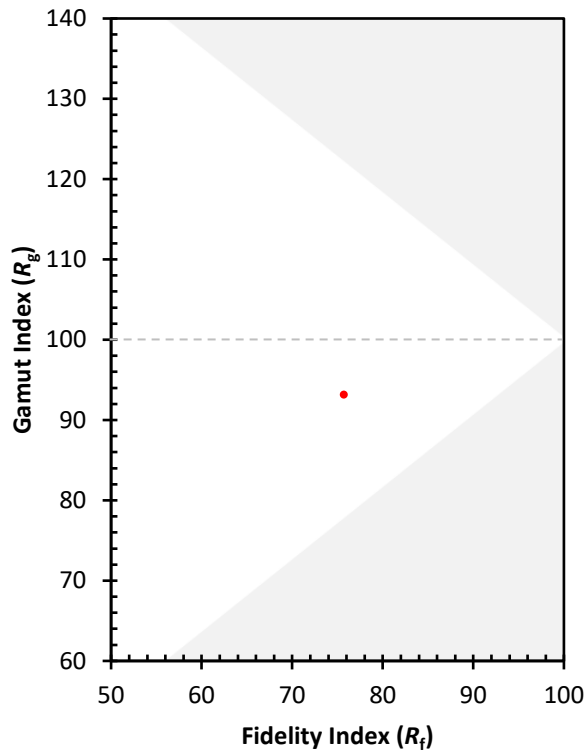
Individual Sample Fidelity Index ($R_{f,i}$)

CES01 = 86	CES26 = 68	CES51 = 87	CES76 = 64
CES02 = 63	CES27 = 91	CES52 = 84	CES77 = 79
CES03 = 31	CES28 = 87	CES53 = 78	CES78 = 67
CES04 = 71	CES29 = 72	CES54 = 86	CES79 = 87
CES05 = 50	CES30 = 86	CES55 = 84	CES80 = 85
CES06 = 52	CES31 = 75	CES56 = 75	CES81 = 68
CES07 = 42	CES32 = 67	CES57 = 74	CES82 = 94
CES08 = 41	CES33 = 81	CES58 = 76	CES83 = 91
CES09 = 29	CES34 = 79	CES59 = 84	CES84 = 89
CES10 = 77	CES35 = 89	CES60 = 90	CES85 = 73
CES11 = 60	CES36 = 92	CES61 = 81	CES86 = 59
CES12 = 66	CES37 = 88	CES62 = 90	CES87 = 77
CES13 = 43	CES38 = 95	CES63 = 78	CES88 = 79
CES14 = 74	CES39 = 97	CES64 = 66	CES89 = 65
CES15 = 72	CES40 = 93	CES65 = 67	CES90 = 80
CES16 = 48	CES41 = 94	CES66 = 63	CES91 = 80
CES17 = 50	CES42 = 89	CES67 = 61	CES92 = 55
CES18 = 57	CES43 = 79	CES68 = 68	CES93 = 72
CES19 = 73	CES44 = 99	CES69 = 77	CES94 = 48
CES20 = 67	CES45 = 85	CES70 = 63	CES95 = 67
CES21 = 87	CES46 = 81	CES71 = 62	CES96 = 76
CES22 = 80	CES47 = 88	CES72 = 86	CES97 = 81
CES23 = 92	CES48 = 74	CES73 = 57	CES98 = 76
CES24 = 91	CES49 = 80	CES74 = 93	CES99 = 64
CES25 = 73	CES50 = 86	CES75 = 66	



Color Rendition by Hue-Angle Bin


Measure Comparisons



(END OF REPORT)