

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: P1461335

Luminaire Tested: USSL-110-727-U-T4W

Issue Date: 06/10/2026

Test Information

Test Method: LM-79-2024
Report Number: P1461335
Test Lab: INNOVATION CENTER(G3)
Issue Date: 6/11/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: STREETWORKS
Catalog Number: USSL-110-727-U-T4W
Description: USSL DISCRETE LED 1 SQUARE 110W 70CRI 2700K FIXTURE w/ TYPE IV WIDE DISTRIBUTION OPTIC
Light Source: (40) 2700K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 15391.5 lumens
Efficiency: N/A
Efficacy: 138.7 lumens/watt
Luminous Opening: Rectangular (W 0.67' x L: 0.67' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B3 - U0 - G3

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

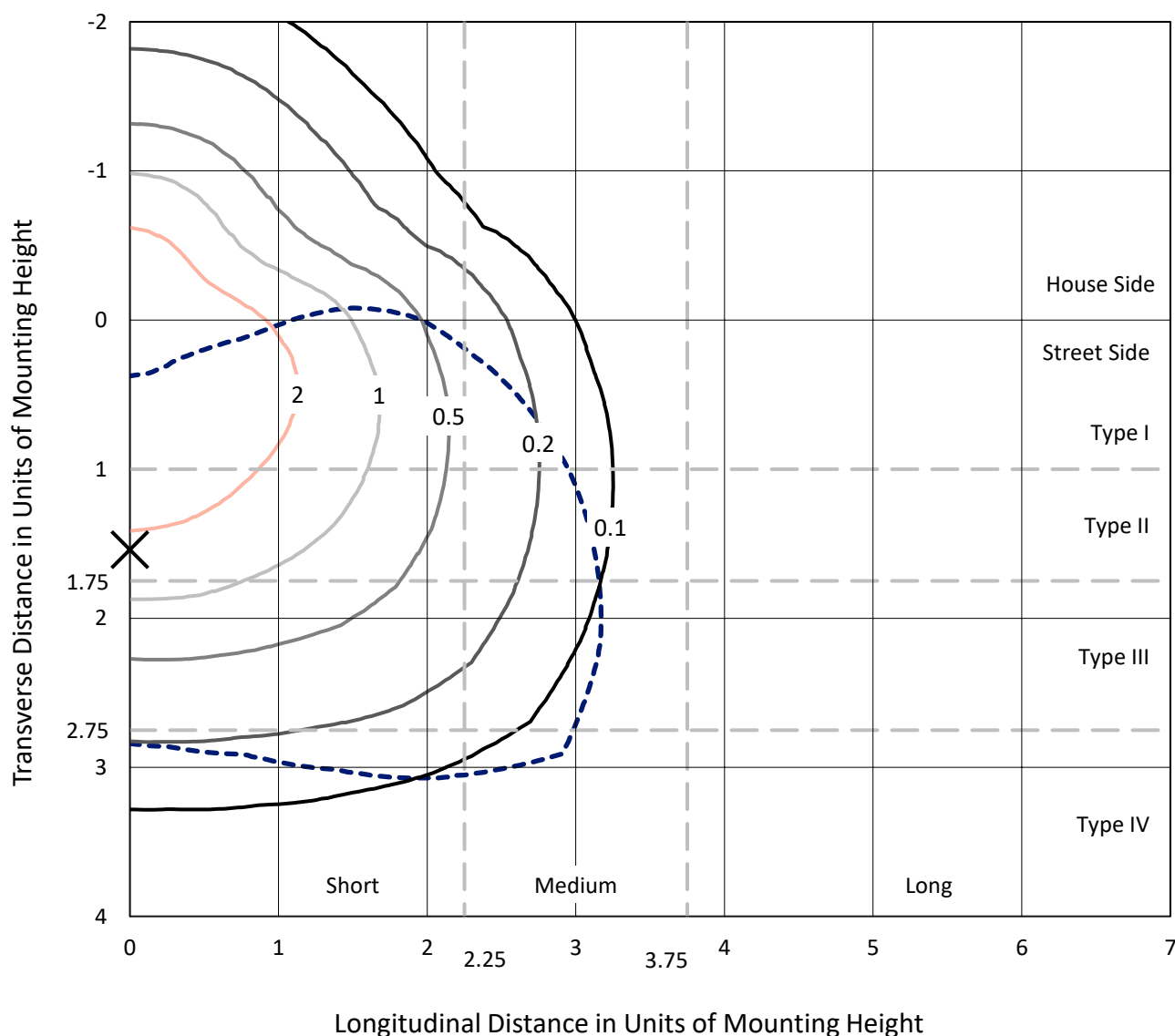
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd



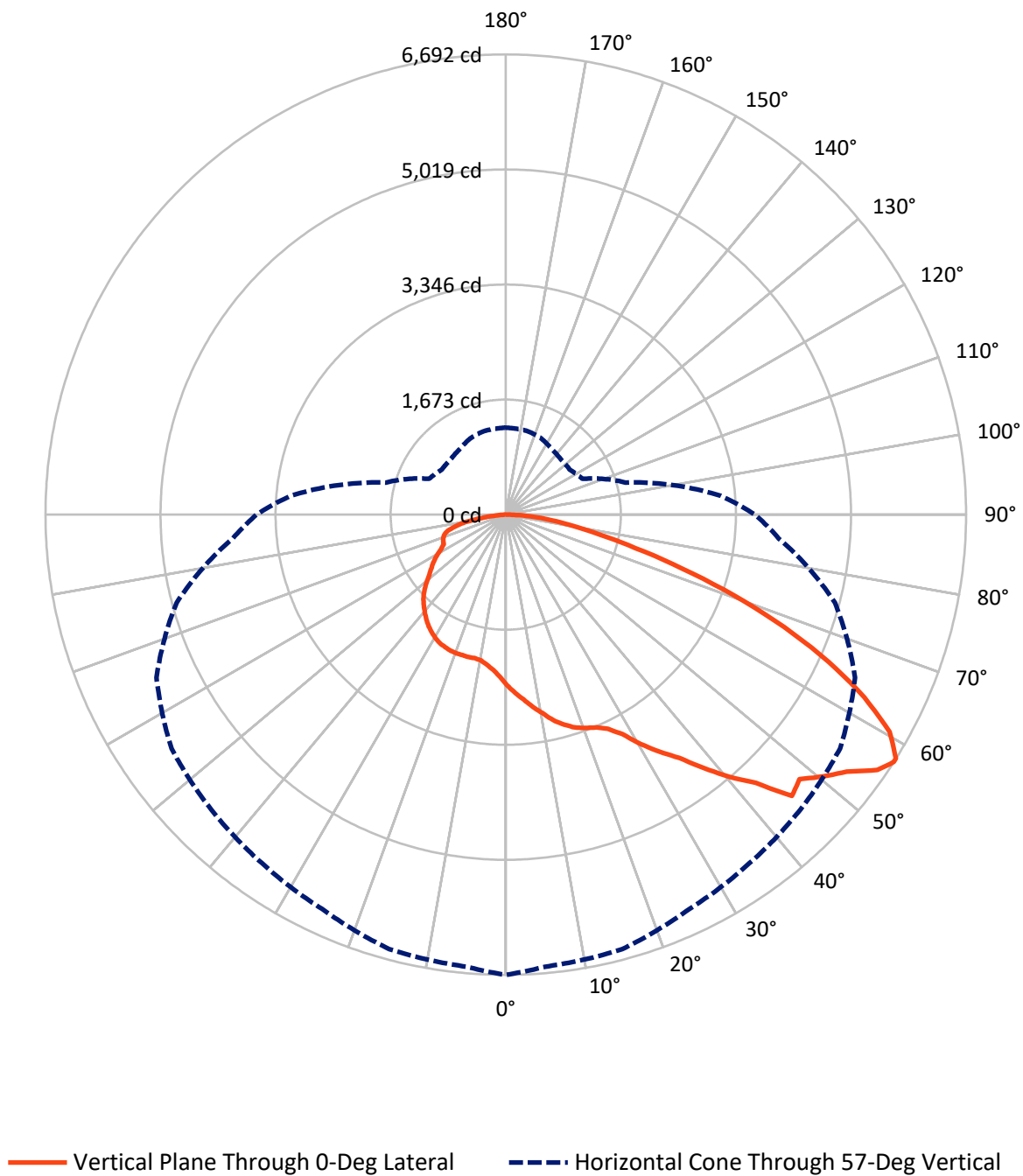
Based on 25 foot mounting height. Maximum calculated value = 4.6 fc

Type IV - Short - N/A

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CATALOG NUMBER: USSL-110-727-U-T4W

Luminous Intensity Polar Plot



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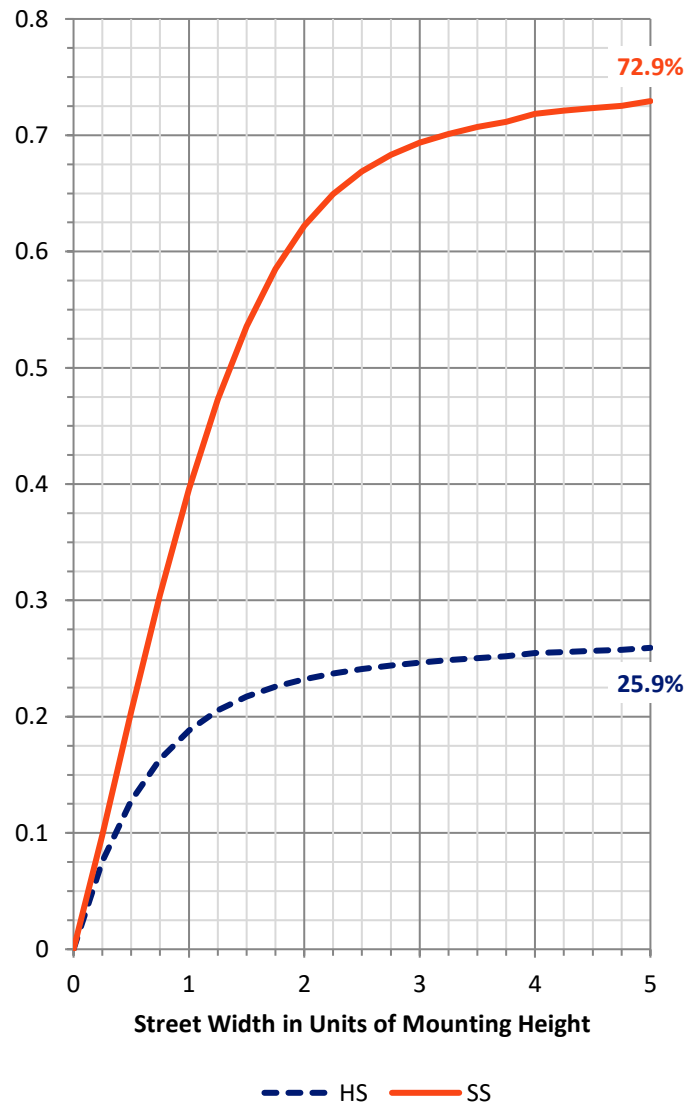
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4058.2	0.0	4058.2
	% Fixture	26.4	0.0	26.4
Street Side	Lumens	11333.3	0.0	11333.3
	% Fixture	73.6	0.0	73.6
Total	Lumens	15391.5	0.0	15391.5
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	237.9	1.5
10°-20°	733.4	4.8
20°-30°	1256.6	8.2
30°-40°	1848.9	12.0
40°-50°	2544.2	16.5
50°-60°	3210.4	20.9
60°-70°	3253.1	21.1
70°-80°	1868.2	12.1
80°-90°	439.0	2.9
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°	15391.5	100.0
0°-180°	15391.5	100.0

Coefficient of Utilization



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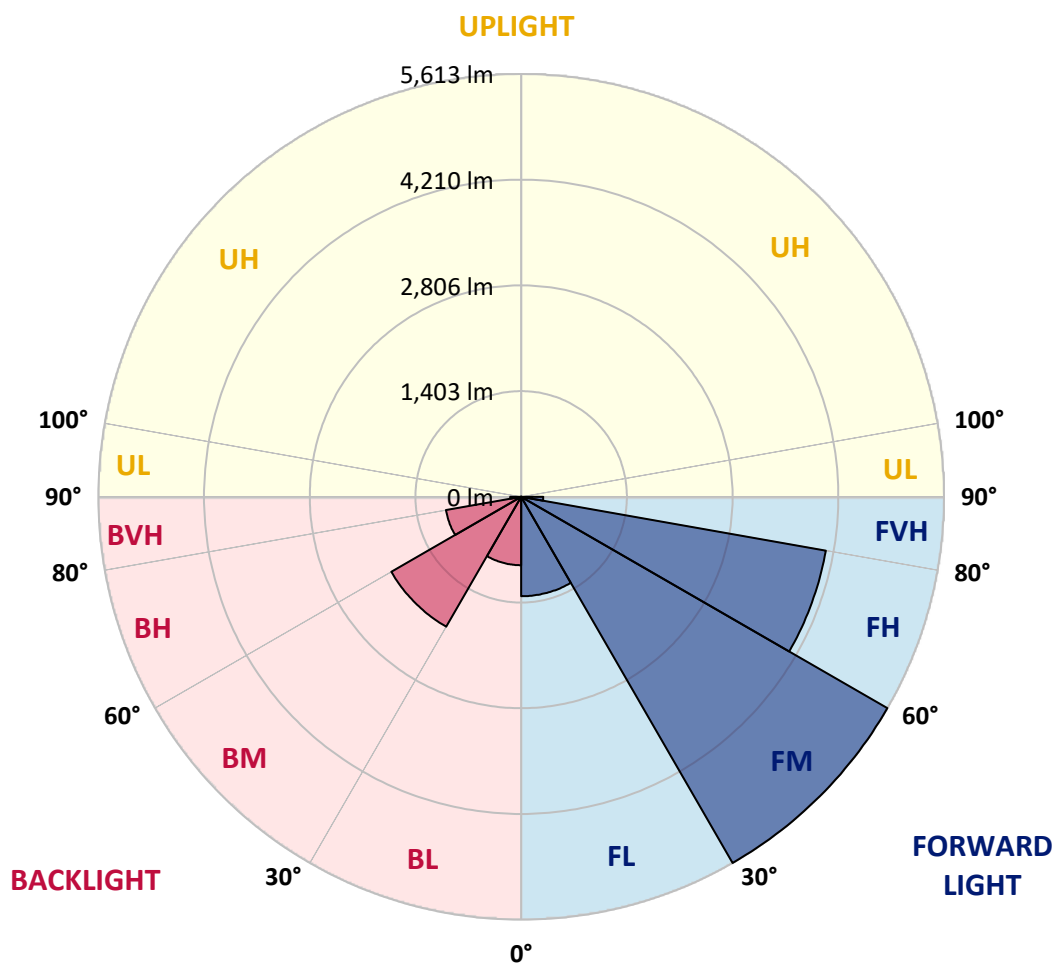
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1319.3	8.6			
FM	(30°-60°)	5612.9	36.5			
FH	(60°-80°)	4107.3	26.7			G2/5000
FVH	(80°-90°)	293.8	1.9			G3/500
BL	(0°-30°)	908.5	5.9	B2/1000		
BM	(30°-60°)	1990.5	12.9	B2/2500		
BH	(60°-80°)	1014.0	6.6	B3/2500		G3/2500
BVH	(80°-90°)	145.2	0.9			G2/225
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G3

Type IV Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	2480.6	2480.6	2480.6	2480.6	2480.6	2480.6	2480.6	2480.6	2480.6	2480.6	2480.6
2.5°	2594.2	2600.8	2595.0	2584.8	2568.8	2559.3	2554.2	2528.7	2512.7	2496.7	2482.1
5°	2699.1	2708.6	2706.4	2684.6	2668.5	2648.9	2617.6	2577.5	2542.5	2499.6	2477.7
7.5°	2821.5	2821.5	2805.5	2792.3	2756.7	2726.8	2686.7	2632.8	2573.9	2515.6	2478.4
10°	2935.8	2943.1	2930.7	2906.0	2863.7	2820.8	2763.9	2704.2	2620.5	2540.4	2495.2
12.5°	3066.9	3066.9	3053.1	3014.5	2976.6	2916.2	2848.4	2769.0	2680.2	2576.0	2518.5
15°	3167.4	3171.1	3160.9	3136.1	3088.8	3032.7	2939.5	2847.7	2729.7	2610.3	2538.2
17.5°	3254.1	3253.4	3244.6	3227.9	3201.7	3144.9	3044.3	2925.6	2788.0	2640.1	2560.0
20°	3310.2	3315.3	3308.0	3316.7	3300.0	3252.6	3152.9	3012.3	2853.5	2675.8	2584.8
22.5°	3361.2	3361.9	3367.7	3377.2	3378.6	3357.5	3275.2	3115.7	2923.4	2717.3	2608.1
25°	3449.3	3444.9	3445.6	3445.6	3460.9	3461.7	3393.9	3241.7	3013.0	2772.0	2647.4
27.5°	3612.4	3605.9	3573.1	3549.8	3549.8	3568.0	3526.5	3372.8	3112.1	2825.9	2684.6
30°	3871.0	3857.9	3791.6	3707.1	3677.2	3694.7	3663.4	3518.5	3216.2	2892.9	2722.4
32.5°	4110.6	4108.4	4044.3	3938.7	3868.8	3845.5	3817.8	3677.2	3346.6	2962.8	2777.1
35°	4342.2	4338.6	4270.8	4212.6	4114.2	4028.3	3970.8	3807.6	3446.4	3029.1	2826.6
37.5°	4672.9	4656.1	4576.7	4506.8	4361.1	4171.8	4108.4	3967.8	3593.5	3121.5	2911.1
40°	5015.9	4998.4	4863.7	4769.0	4614.6	4394.6	4277.4	4151.4	3737.7	3234.4	3007.9
42.5°	5332.0	5308.7	5172.5	4994.0	4823.6	4630.6	4485.7	4324.0	3919.8	3348.8	3103.3
45°	5833.8	5654.6	5491.5	5352.4	5047.2	4860.8	4711.5	4548.3	4114.2	3480.6	3217.7
47.5°	5745.7	5710.0	5702.0	5701.2	5270.8	5110.6	4952.5	4758.8	4310.9	3608.1	3326.9
50°	5983.1	5935.0	6026.1	5901.5	5484.9	5361.1	5196.5	4983.1	4509.0	3725.3	3434.0
52.5°	6207.4	6214.7	6190.7	5965.6	5728.9	5592.7	5461.6	5216.9	4691.1	3843.3	3527.2
55°	6554.1	6483.4	6412.8	6196.5	5980.9	5830.1	5739.1	5431.8	4853.5	3942.4	3594.2
57°	6691.7	6597.1	6539.5	6323.2	6183.4	6059.6	5931.4	5602.9	4954.7	3984.6	3623.4
57.5°	6687.4	6600.0	6564.3	6334.9	6216.9	6109.1	5962.7	5630.6	4965.6	3981.7	3617.5
60°	6414.2	6399.7	6532.2	6345.1	6343.6	6315.9	6149.1	5744.2	4991.1	3939.4	3554.9
62.5°	5850.5	5913.9	6179.7	6256.2	6439.0	6498.7	6232.2	5705.6	4877.5	3779.2	3393.9
65°	5157.9	5277.4	5605.1	5966.3	6424.4	6607.2	6215.4	5501.7	4608.0	3489.3	3091.0
67.5°	4366.2	4478.4	4859.3	5420.1	6176.8	6438.3	5998.4	5117.8	4168.9	3094.6	2702.0
70°	3522.1	3607.3	3923.4	4582.5	5567.2	5943.8	5420.8	4539.6	3558.5	2614.6	2243.9
72.5°	2682.4	2715.1	3011.6	3632.8	4581.1	5050.1	4509.7	3731.1	2942.4	2095.4	1804.8
75°	1946.1	1979.6	2230.8	2611.7	3332.0	3932.2	3514.1	2899.4	2240.3	1596.5	1384.5
77.5°	1390.3	1426.8	1566.6	1787.3	2279.6	2791.6	2493.7	2117.2	1544.8	1045.9	959.9
80°	987.6	1002.2	1148.5	1233.8	1479.9	1798.2	1715.2	1461.0	989.0	699.2	642.4
82.5°	681.0	692.6	815.7	859.4	956.3	1138.4	1138.4	995.6	627.1	455.9	435.5
85°	402.8	404.9	502.5	544.0	559.3	676.6	695.5	541.1	344.5	206.1	203.9
87.5°	150.0	149.3	229.4	209.8	183.5	206.1	238.9	163.1	118.7	53.2	40.8
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-T4W

CANDELA DISTRIBUTION (continued):

	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	2480.6	2480.6	2480.6	2480.6	2480.6	2480.6	2480.6	2480.6	2480.6	2480.6
2.5°	2466.8	2450.0	2439.1	2420.9	2405.6	2387.4	2382.3	2366.3	2364.1	2359.7
5°	2455.1	2415.8	2377.9	2344.4	2320.4	2297.1	2284.7	2270.1	2261.4	2266.5
7.5°	2452.2	2392.5	2331.3	2286.9	2251.9	2217.0	2203.1	2195.9	2195.9	2203.1
10°	2457.3	2373.6	2297.1	2235.2	2191.5	2160.2	2145.6	2139.8	2148.5	2151.4
12.5°	2466.8	2364.8	2271.6	2196.6	2149.2	2116.5	2113.6	2117.9	2129.6	2134.7
15°	2472.6	2348.1	2238.8	2152.9	2111.4	2093.9	2091.0	2107.0	2131.8	2139.8
17.5°	2487.2	2329.1	2196.6	2115.0	2077.1	2075.0	2083.7	2100.5	2131.8	2137.6
20°	2486.5	2303.7	2155.1	2068.4	2050.2	2057.5	2074.2	2096.8	2128.9	2139.1
22.5°	2499.6	2273.1	2109.9	2021.8	2013.8	2038.5	2063.3	2085.2	2123.8	2135.4
25°	2517.8	2247.6	2056.8	1971.5	1974.5	2006.5	2042.9	2070.6	2108.5	2118.7
27.5°	2536.0	2223.5	1999.9	1909.6	1915.5	1961.3	2017.4	2048.0	2083.7	2101.9
30°	2558.6	2196.6	1940.2	1841.2	1849.2	1904.5	1967.9	2009.4	2049.5	2066.2
32.5°	2584.1	2174.0	1879.8	1768.3	1770.5	1841.2	1924.9	1971.5	2003.6	2023.3
35°	2616.8	2155.8	1820.8	1688.2	1689.0	1767.6	1869.6	1924.9	1953.3	1975.2
37.5°	2683.1	2151.4	1766.2	1612.5	1610.3	1704.3	1809.1	1872.5	1896.5	1914.7
40°	2757.4	2148.5	1708.6	1536.7	1537.5	1635.8	1746.5	1812.8	1830.2	1847.7
42.5°	2839.0	2141.2	1647.4	1466.1	1470.5	1571.7	1686.0	1750.1	1764.0	1778.5
45°	2921.3	2125.9	1576.1	1400.5	1404.2	1509.1	1618.3	1680.9	1691.9	1707.2
47.5°	2999.9	2094.6	1509.1	1337.9	1353.9	1443.5	1541.8	1593.5	1600.1	1617.6
50°	3072.7	2050.2	1439.9	1287.7	1296.4	1372.1	1458.1	1497.4	1501.8	1509.8
52.5°	3132.5	1985.4	1361.2	1233.8	1240.3	1298.6	1374.3	1407.8	1404.2	1408.6
55°	3153.6	1894.3	1287.7	1179.1	1178.4	1220.7	1290.6	1328.4	1323.3	1321.9
57°	3137.6	1803.3	1230.8	1136.9	1134.0	1163.1	1222.1	1254.9	1260.0	1264.3
57.5°	3122.3	1780.7	1213.4	1126.0	1122.3	1149.3	1206.1	1237.4	1245.4	1244.7
60°	3004.3	1637.2	1138.4	1077.9	1062.6	1080.8	1128.2	1152.9	1152.9	1158.7
62.5°	2790.2	1477.0	1073.5	1021.8	993.4	1014.5	1053.1	1072.1	1059.0	1062.6
65°	2486.5	1313.9	1008.7	960.6	924.2	950.4	988.3	1012.4	1000.7	998.5
67.5°	2137.6	1163.1	939.5	890.0	863.8	890.0	938.1	986.9	987.6	986.9
70°	1771.3	1031.3	865.2	817.2	794.6	827.4	895.1	967.9	972.3	968.7
72.5°	1431.1	916.9	786.6	742.9	724.7	767.6	847.8	932.2	938.1	940.3
75°	1130.3	812.8	697.7	665.7	656.2	700.6	790.2	879.1	867.4	874.7
77.5°	807.7	689.0	603.8	581.9	577.6	611.1	698.5	758.2	741.4	740.7
80°	576.8	566.6	506.9	494.5	486.5	510.5	574.6	629.3	612.5	599.4
82.5°	445.7	444.3	415.1	376.5	368.5	413.0	467.6	490.2	356.1	359.8
85°	268.7	280.4	247.6	249.8	268.7	295.7	325.6	340.1	170.4	134.7
87.5°	62.6	64.8	77.2	94.0	97.6	114.3	156.6	187.9	75.7	61.9
90°	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

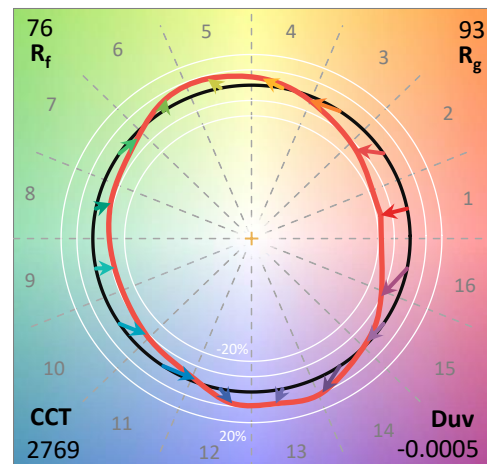
Test Information

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

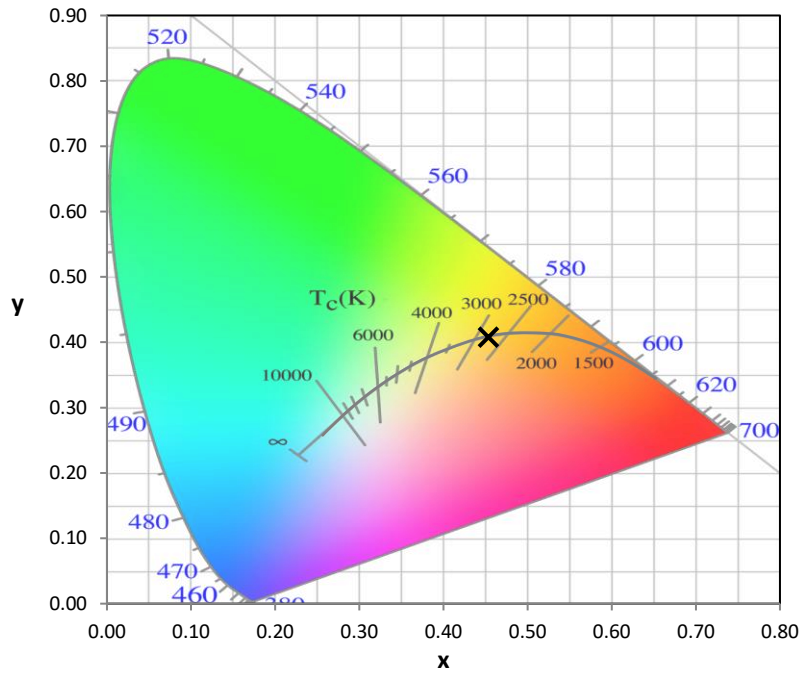
Stabilization Time: 36M
 Operation Time: 1H 36M
 Sphere Temperature (°C): 25.0

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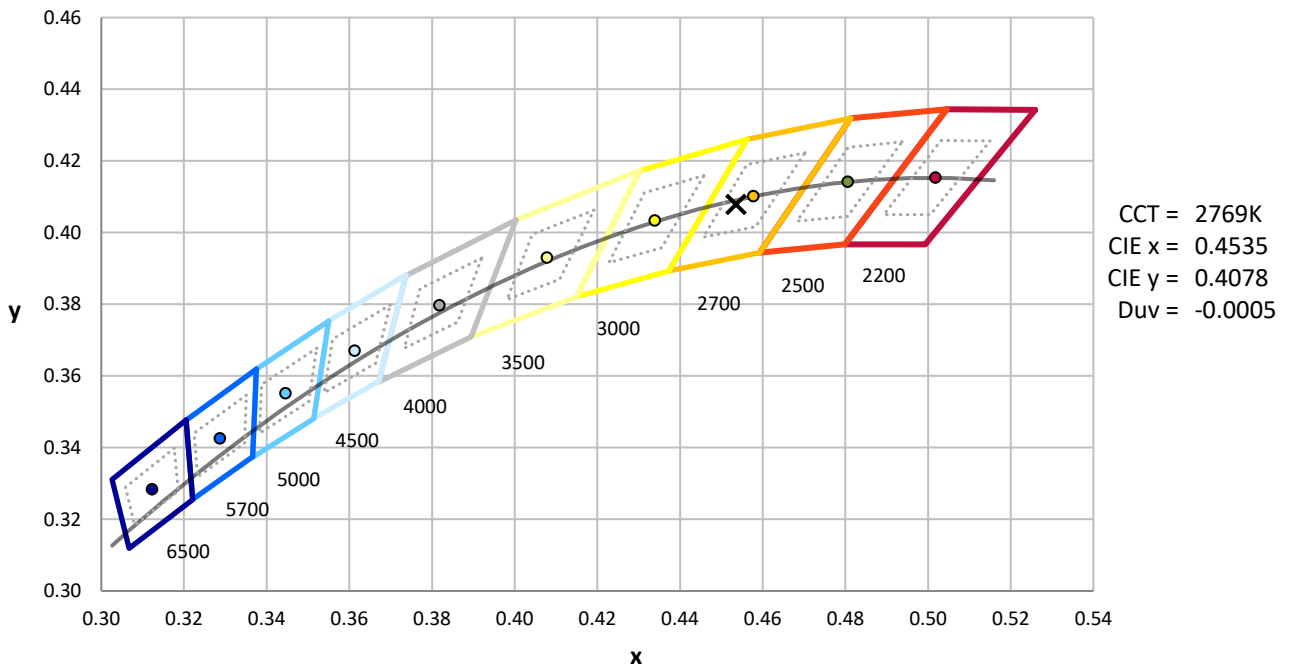
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN2187	1/6/2025	7/6/2025
Power Meter	INXT2011002	1/21/2025	1/21/2026
AC Power Source	IN0458	10/22/2024	10/22/2025
DC Power Source	IN0212	10/22/2024	10/22/2025
Sphere Thermometer	IN4036B	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 $\text{W}^\wedge/\text{nm}$	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	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



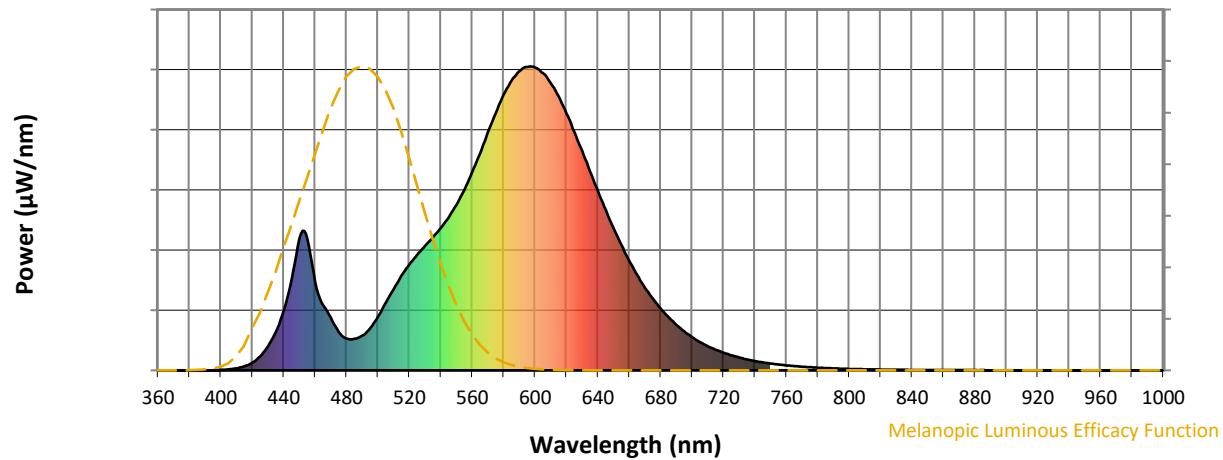
Scotopic Lumens: NR

S/P: 1.14

λ (nm)	Power $\text{W}^\wedge/\text{nm}$	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	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

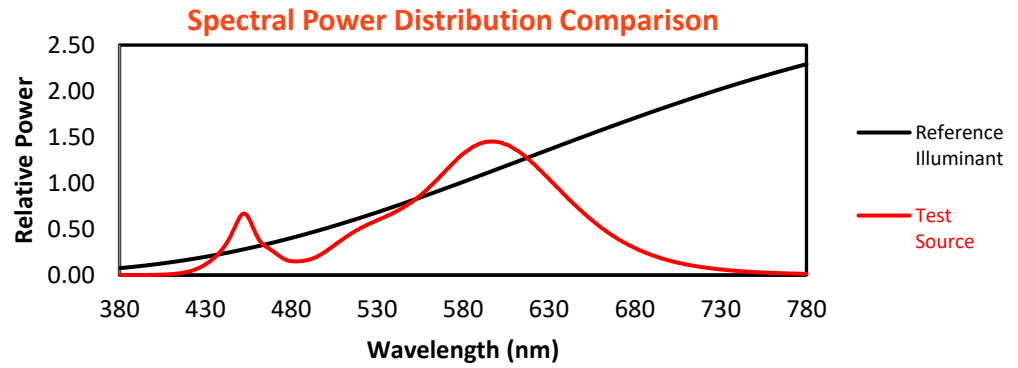
λ (nm)	Power $\text{W}^{\wedge}/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^{\wedge}/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^{\wedge}/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^{\wedge}/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^{\wedge}/\text{nm}$	Lumens (ϕ/nm)
360	0	NR	490	114	NR	620	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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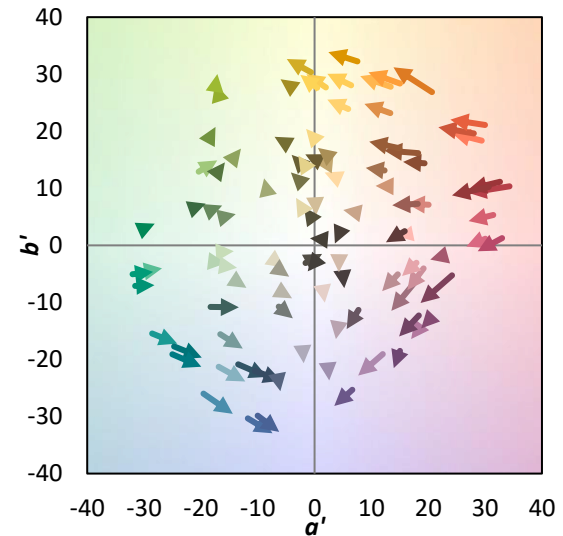
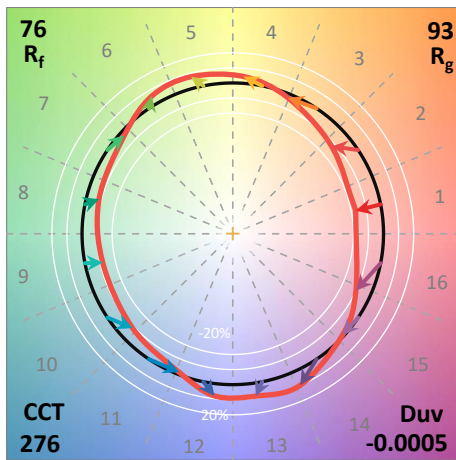
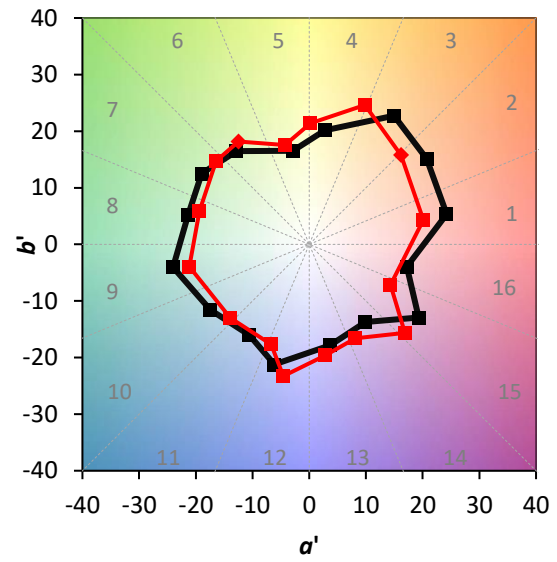
TM-30-18

Summary

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

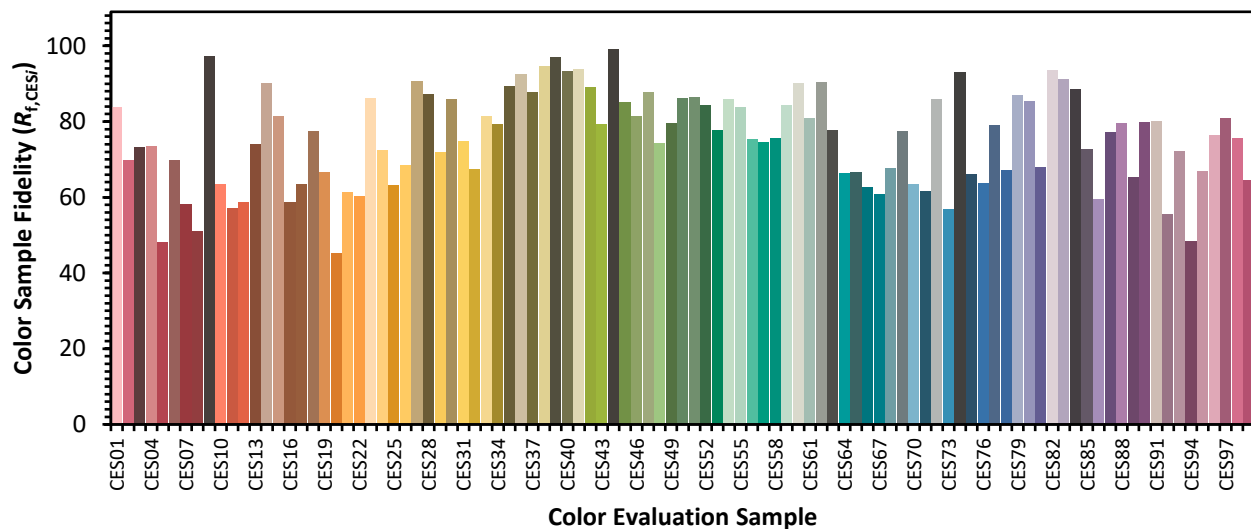


Color Vector Graphics

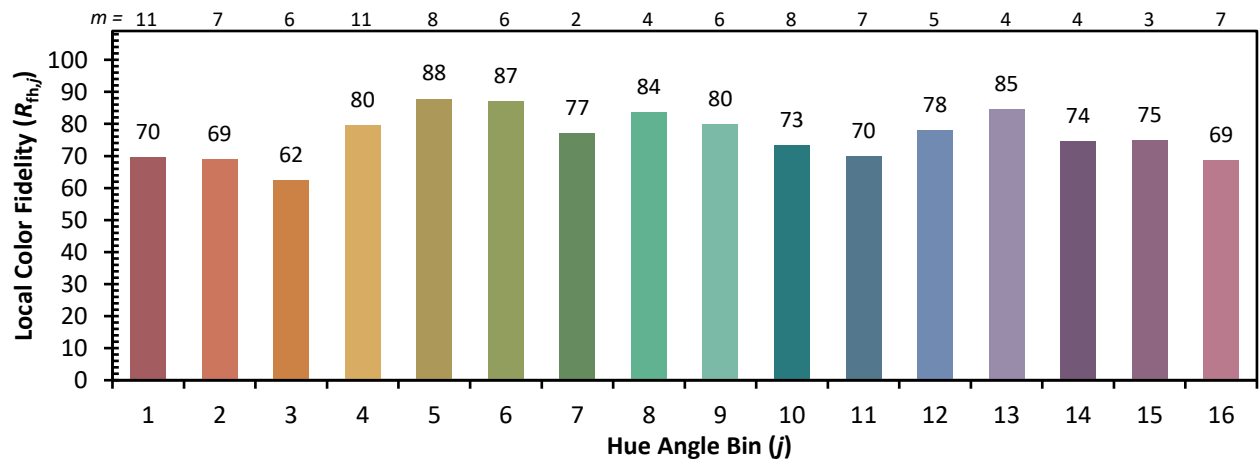
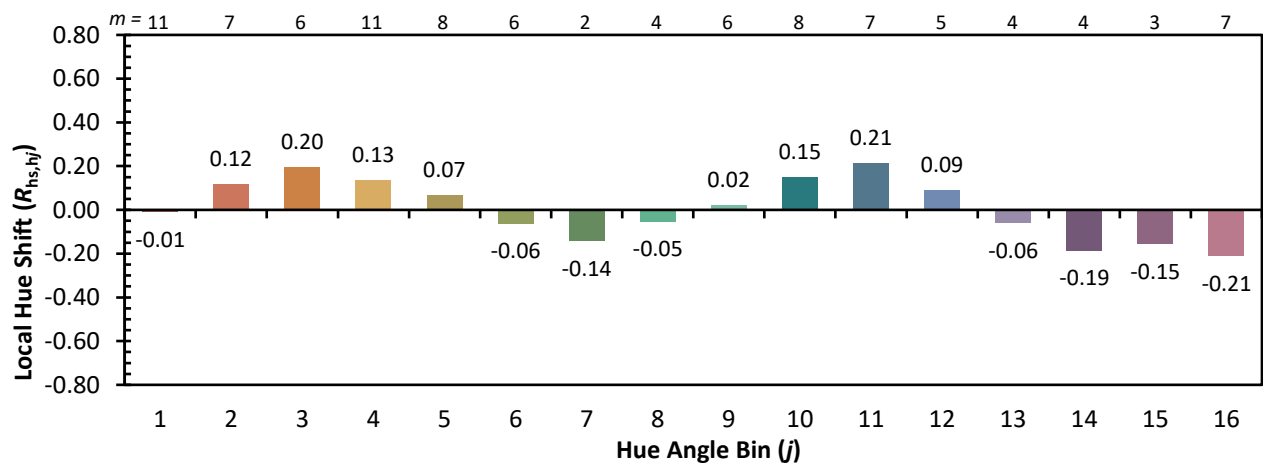


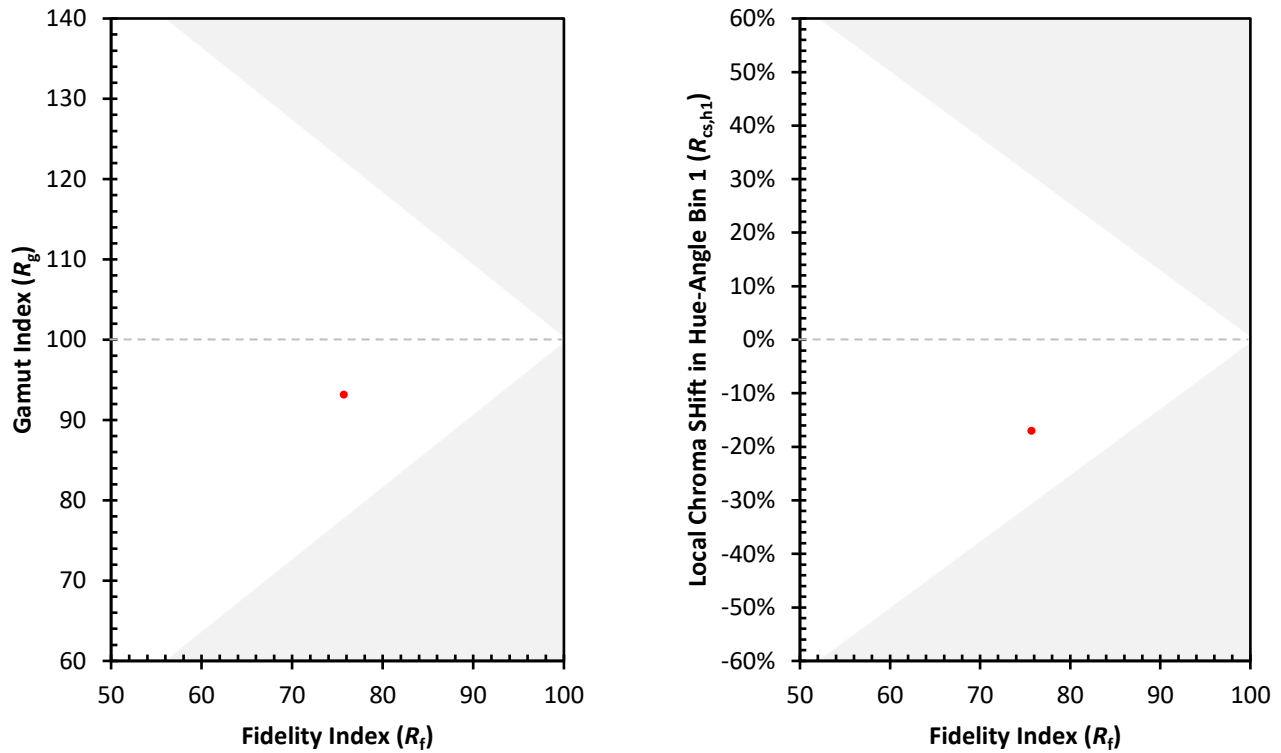
Individual Sample Fidelity Index ($R_{f,i}$)

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)