

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: P1461444

Luminaire Tested: USSL-150-730-U-T2U

Issue Date: 06/10/2026

Test Information

Test Method: LM-79-2024
Report Number: P1461444
Test Lab: INNOVATION CENTER(G3)
Issue Date: 6/11/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: STREETWORKS
Catalog Number: USSL-150-730-U-T2U
Description: USSL DISCRETE LED 1 SQUARE 150W 70CRI 3000K FIXTURE w/ TYPE II URBAN DISTRIBUTION OPTIC
Light Source: (40) 3000K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 20484.9 lumens
Efficiency: N/A
Efficacy: 134.8 lumens/watt
Luminous Opening: Rectangular (W 0.67' x L: 0.67' x H: 0')
IES Classification: Type II - Short
BUG Rating: B3 - U0 - G3

Input Watts (W): 152
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: 0.98
Total Harmonic Distortion (THDi): 2.75%
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT

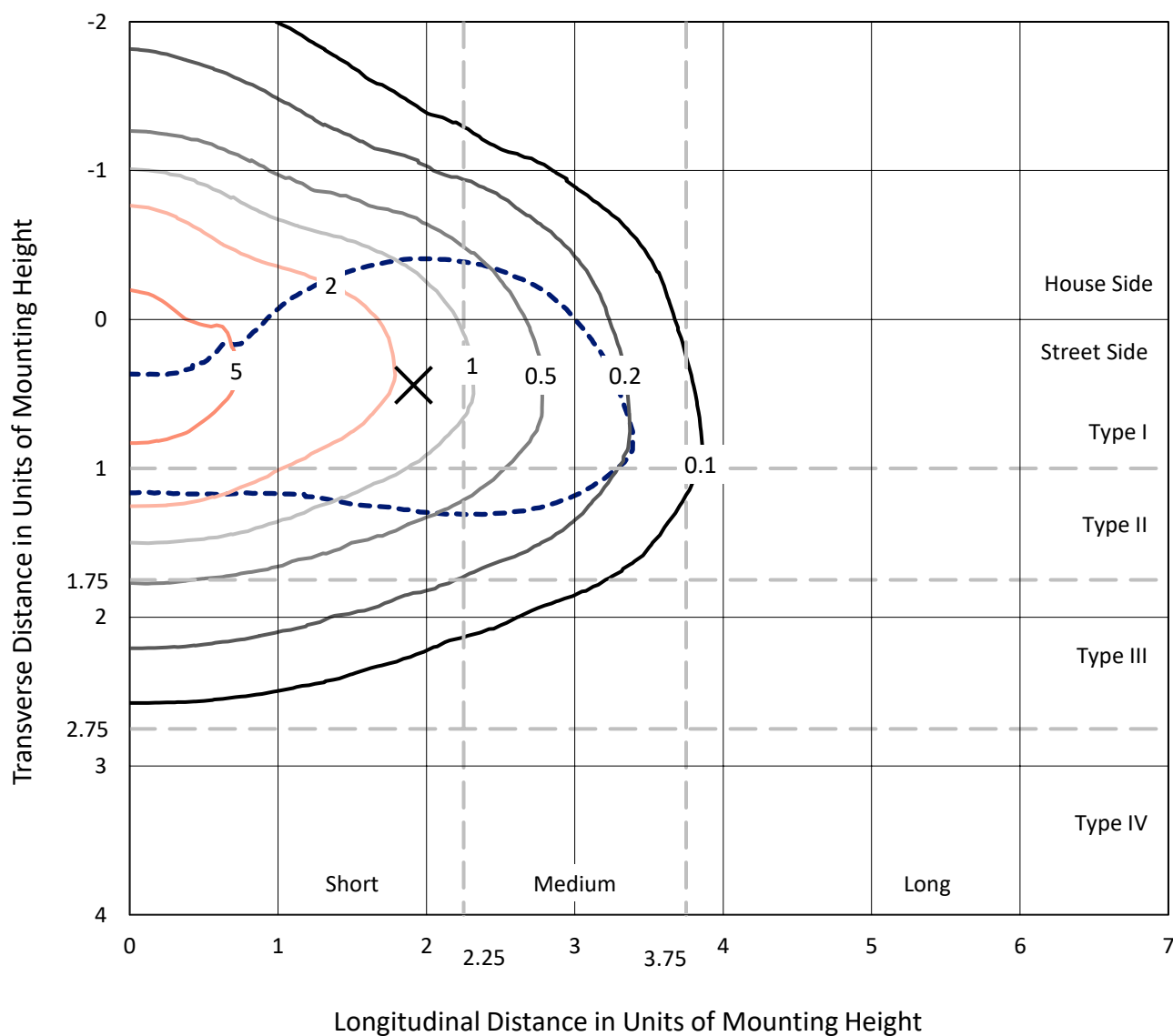
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd



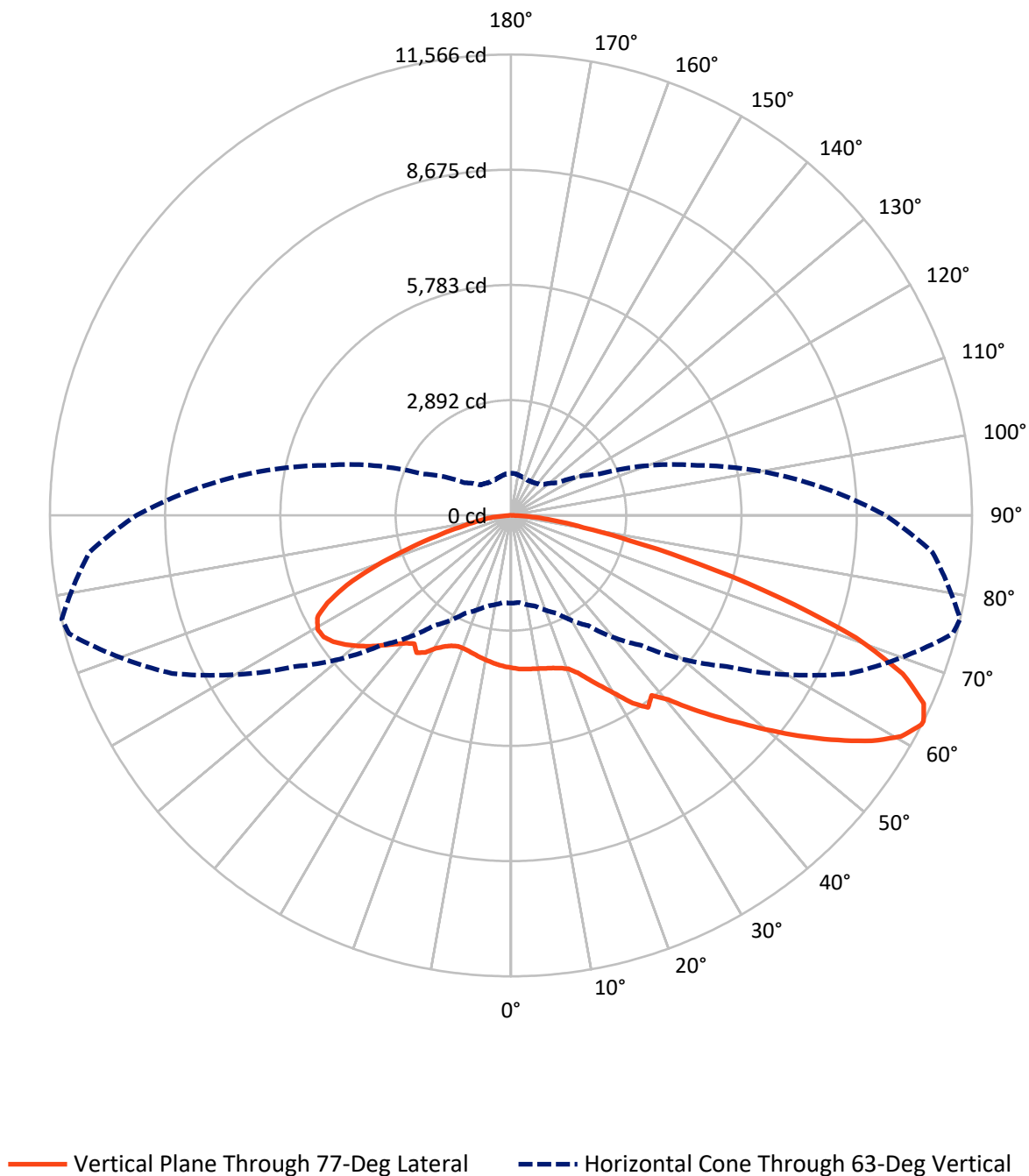
Based on 25 foot mounting height. Maximum calculated value = 7.6 fc

Type II - Short - N/A

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Luminous Intensity Polar Plot



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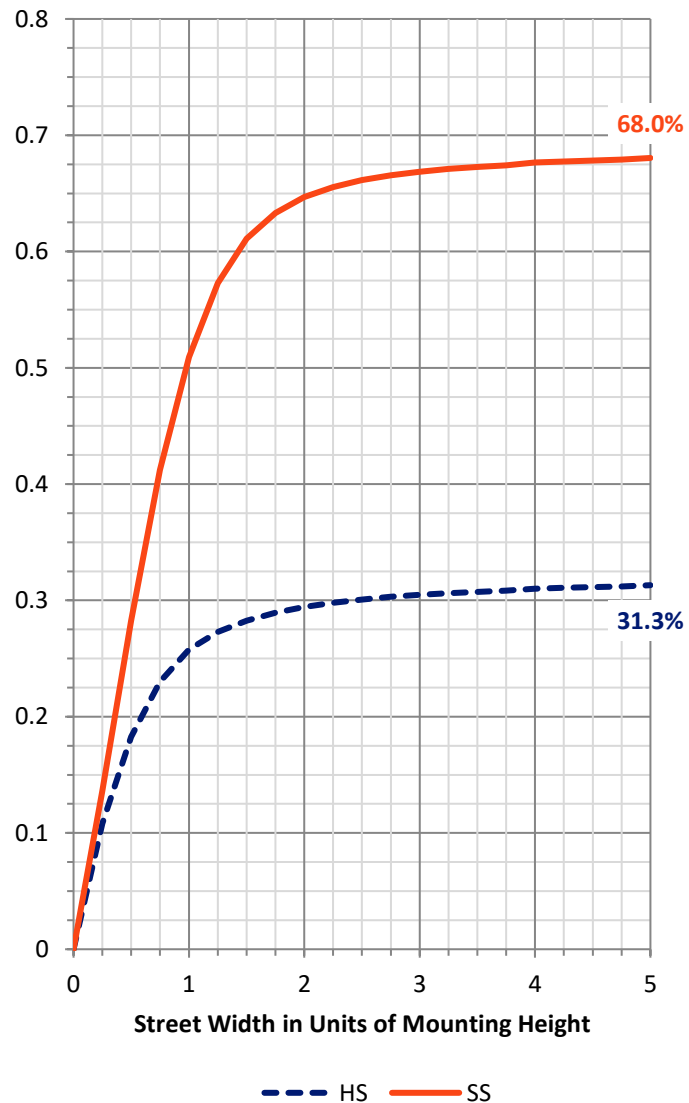
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	6497.1	0.0	6497.1
	% Fixture	31.7	0.0	31.7
Street Side	Lumens	13987.8	0.0	13987.8
	% Fixture	68.3	0.0	68.3
Total	Lumens	20484.9	0.0	20484.9
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	365.6	1.8
10°-20°	1121.7	5.5
20°-30°	1991.6	9.7
30°-40°	2967.1	14.5
40°-50°	3803.5	18.6
50°-60°	4272.8	20.9
60°-70°	3772.9	18.4
70°-80°	1803.8	8.8
80°-90°	385.8	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°	20484.9	100.0
0°-180°	20484.9	100.0

Coefficient of Utilization



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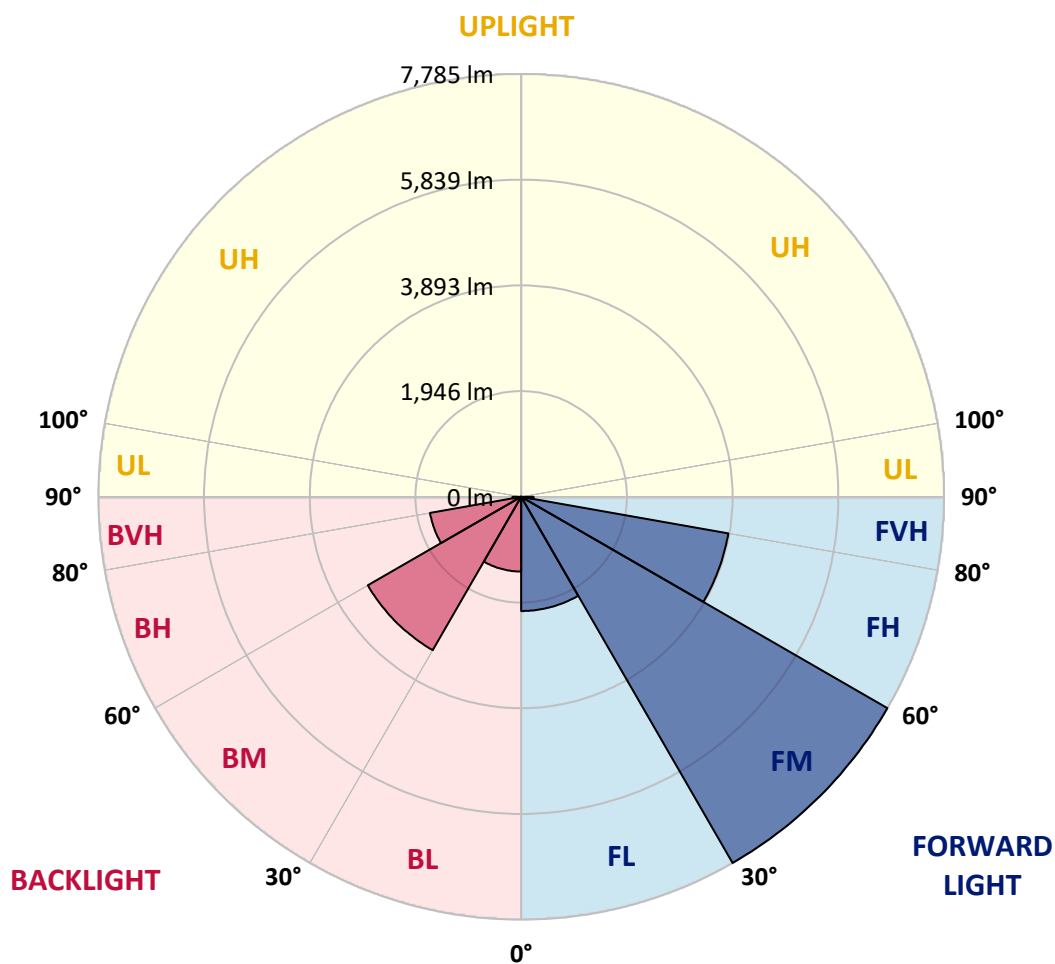
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	2102.6	10.3			
FM	(30°-60°)	7785.0	38.0			
FH	(60°-80°)	3873.3	18.9			G2/5000
FVH	(80°-90°)	226.8	1.1			G3/500
BL	(0°-30°)	1376.4	6.7	B3/2500		
BM	(30°-60°)	3258.3	15.9	B3/5000		
BH	(60°-80°)	1703.4	8.3	B3/2500		G3/2500
BVH	(80°-90°)	159.0	0.8			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 II Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	77°	85°
0°	3824.5	3824.5	3824.5	3824.5	3824.5	3824.5	3824.5	3824.5	3824.5	3824.5	3824.5
2.5°	3916.9	3934.0	3917.8	3915.9	3909.3	3890.2	3891.2	3866.4	3848.3	3856.9	3833.1
5°	4064.5	4066.4	4057.8	4043.5	4018.8	3980.7	3946.4	3910.2	3867.4	3871.2	3834.1
7.5°	4260.6	4265.4	4233.0	4204.4	4154.9	4085.4	4026.4	3950.2	3885.5	3887.4	3826.4
10°	4478.6	4483.4	4455.8	4406.3	4326.3	4224.4	4114.9	4012.1	3913.1	3908.3	3819.8
12.5°	4725.2	4730.9	4710.0	4624.3	4519.6	4379.6	4233.9	4081.6	3951.2	3937.8	3830.3
15°	5001.3	5011.8	4961.3	4876.6	4740.4	4553.8	4367.2	4169.2	3995.0	3974.0	3840.7
17.5°	5400.2	5366.0	5329.8	5213.6	5008.9	4778.5	4515.8	4274.9	4052.1	4029.2	3858.8
20°	5804.9	5807.7	5770.6	5698.2	5448.8	5151.8	4750.0	4428.2	4142.5	4111.1	3915.9
22.5°	5774.4	5775.4	5792.5	5825.8	5798.2	5642.1	5273.6	4771.9	4348.2	4287.3	4026.4
25°	5875.3	5892.5	5881.1	5856.3	5735.4	5654.5	5574.5	5202.2	4651.0	4568.1	4233.9
27.5°	6115.3	6143.8	6125.7	6103.8	5965.8	5811.5	5577.3	5393.6	4960.4	4860.4	4467.2
30°	6373.3	6383.8	6358.0	6323.8	6223.8	6089.6	5866.8	5545.0	5276.5	5207.0	4798.5
32.5°	6566.6	6569.4	6557.0	6564.7	6462.8	6372.3	6216.2	5893.4	5642.1	5618.3	5343.1
35°	6709.4	6740.8	6731.3	6764.6	6703.7	6658.0	6574.2	6415.2	6015.3	5921.0	5502.1
37.5°	6849.3	6884.6	6913.1	6930.3	6873.1	6868.4	6853.1	6596.1	5859.2	5731.6	5253.6
40°	6893.1	6913.1	7032.1	7100.7	7013.1	7008.3	6976.9	6651.3	6163.8	6076.2	5588.8
42.5°	6847.4	6843.6	6985.5	7037.8	7085.4	7134.0	7194.9	7071.2	6677.9	6625.6	6093.4
45°	6558.0	6514.2	6590.4	6861.7	7026.4	7214.0	7472.0	7528.2	7271.1	7194.9	6648.4
47.5°	6187.6	6159.1	6254.3	6575.1	6867.4	7240.6	7693.8	8024.2	7868.1	7796.7	7289.2
50°	5604.9	5638.3	5836.3	6188.6	6608.4	7198.7	7872.8	8503.1	8547.9	8495.5	7934.7
52.5°	4843.3	4867.1	5289.8	5741.1	6251.4	6931.2	7950.9	8997.2	9255.3	9225.7	8594.5
55°	4027.3	4098.7	4402.5	5099.4	5712.5	6597.0	7896.6	9396.2	10002.6	9952.2	9287.6
57.5°	3333.3	3407.5	3617.0	4248.2	5075.6	6091.5	7694.8	9678.9	10670.1	10674.8	9935.0
60°	2708.7	2774.4	2928.6	3438.0	4328.2	5488.8	7291.1	9736.1	11208.9	11253.7	10404.4
62.5°	2268.8	2295.5	2441.2	2804.9	3577.0	4768.1	6725.6	9478.0	11474.6	11562.2	10619.6
63°	2204.1	2191.7	2355.5	2703.9	3378.0	4608.1	6608.4	9379.0	11475.5	11566.0	10618.6
65°	1870.9	1888.9	1994.6	2289.8	2843.9	3940.7	5936.3	8858.2	11249.9	11380.3	10379.7
67.5°	1467.2	1484.3	1629.0	1868.9	2263.1	3195.2	5049.9	7938.5	10485.4	10602.5	9567.5
70°	1163.5	1171.1	1263.4	1481.4	1838.5	2489.7	3968.3	6653.2	9086.7	9178.1	8105.1
72.5°	943.5	968.3	1029.2	1161.5	1392.9	1891.8	2994.3	5247.0	7174.9	7037.8	5959.1
75°	791.2	798.8	859.7	925.4	1045.4	1362.4	2160.3	3868.3	4891.8	4881.4	3883.6
77.5°	668.4	683.6	697.9	729.3	797.9	969.2	1517.6	2686.8	3115.2	3061.9	2239.3
80°	563.6	569.3	563.6	569.3	595.1	656.0	985.4	1759.5	1986.1	1847.1	1362.4
82.5°	393.2	421.8	425.6	444.6	454.1	479.9	658.8	1146.3	1264.4	1136.8	802.6
85°	233.3	230.4	241.8	274.2	305.6	302.8	418.0	573.2	681.7	634.1	385.6
87.5°	82.8	78.1	78.1	96.2	103.8	112.3	137.1	179.0	169.5	170.4	96.2
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-150-730-U-T2U

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	3824.5	3824.5	3824.5	3824.5	3824.5	3824.5	3824.5	3824.5	3824.5	3824.5	3824.5
2.5°	3820.7	3804.5	3796.9	3783.6	3762.7	3751.2	3740.8	3726.5	3721.7	3709.3	3707.4
5°	3807.4	3791.2	3759.8	3725.5	3697.0	3675.1	3635.1	3611.3	3589.4	3585.6	3591.3
7.5°	3786.5	3766.5	3717.0	3667.4	3611.3	3574.1	3522.7	3489.4	3470.4	3466.6	3474.2
10°	3777.9	3741.7	3669.3	3598.9	3528.4	3470.4	3414.2	3372.3	3344.7	3340.9	3332.3
12.5°	3769.3	3723.6	3624.6	3536.1	3435.1	3367.5	3306.6	3272.3	3243.8	3240.0	3238.1
15°	3765.5	3707.4	3578.9	3459.9	3348.5	3267.6	3206.6	3179.0	3170.5	3164.7	3167.6
17.5°	3771.2	3696.0	3538.9	3382.8	3255.2	3173.3	3125.7	3107.6	3104.8	3106.7	3113.3
20°	3801.7	3704.6	3505.6	3318.0	3173.3	3089.5	3054.3	3044.8	3044.8	3055.3	3061.9
22.5°	3870.2	3750.3	3488.5	3265.7	3104.8	3026.7	2985.7	2974.3	2986.7	3005.7	3010.5
25°	4051.1	3882.6	3522.7	3236.1	3051.4	2958.1	2914.3	2912.4	2925.8	2942.9	2944.8
27.5°	4257.7	4048.3	3602.7	3231.4	3001.9	2887.7	2841.0	2835.3	2842.0	2859.1	2859.1
30°	4541.5	4269.2	3723.6	3265.7	2967.7	2810.6	2755.3	2737.3	2744.9	2766.8	2760.1
32.5°	4990.8	4621.4	3911.2	3325.6	2936.2	2733.4	2660.1	2644.9	2644.9	2662.0	2669.7
35°	5207.9	4882.3	4005.4	3302.8	2865.8	2643.9	2556.4	2534.5	2563.0	2595.4	2600.2
37.5°	4987.0	4654.8	3873.1	3202.8	2765.8	2538.3	2454.5	2436.4	2461.1	2492.6	2496.4
40°	5251.7	4866.1	3975.0	3205.7	2703.0	2439.3	2341.2	2283.1	2286.9	2311.7	2306.0
42.5°	5696.3	5227.9	4125.4	3219.0	2626.8	2331.7	2186.0	2085.1	2070.8	2074.6	2080.3
45°	6205.7	5635.4	4303.4	3221.9	2529.7	2199.3	1995.6	1870.9	1835.6	1814.7	1809.0
47.5°	6750.3	6071.5	4497.7	3215.2	2405.0	2028.9	1802.3	1677.6	1610.0	1578.6	1581.4
50°	7340.6	6522.8	4670.9	3183.8	2271.7	1848.0	1619.5	1497.6	1421.5	1403.4	1394.8
52.5°	7899.5	6965.5	4837.6	3138.1	2122.2	1663.3	1447.2	1342.4	1278.7	1261.5	1257.7
55°	8490.7	7405.3	4977.5	3059.1	1953.7	1489.1	1295.8	1225.3	1180.6	1169.2	1171.1
57.5°	8997.2	7792.8	5052.7	2943.9	1791.8	1334.8	1185.4	1138.7	1111.1	1116.8	1120.6
60°	9374.3	7988.0	5037.5	2778.2	1627.1	1209.2	1094.9	1070.1	1070.1	1116.8	1131.1
62.5°	9432.3	7949.0	4884.2	2540.2	1448.1	1103.5	1016.8	993.0	1016.8	1074.0	1085.4
63°	9398.1	7884.2	4844.2	2463.1	1420.5	1080.6	999.7	976.8	1009.2	1054.9	1054.9
65°	9060.1	7539.6	4489.1	2206.0	1274.8	1005.4	939.7	928.3	973.0	1003.5	1008.3
67.5°	8232.7	6834.1	3881.7	1826.1	1122.5	919.7	860.7	880.7	914.0	937.8	945.4
70°	6919.8	5661.1	3105.7	1469.1	978.7	830.2	796.9	809.3	839.7	860.7	868.3
72.5°	5035.6	4266.3	2329.8	1173.0	852.1	743.6	725.5	724.5	744.5	752.1	763.6
75°	3264.7	2855.3	1701.4	946.4	727.4	655.0	635.0	629.3	667.4	682.6	697.9
77.5°	1946.1	1769.0	1214.9	777.9	619.8	537.9	549.4	549.4	588.4	636.0	657.9
80°	1176.8	1081.6	900.7	645.5	487.5	439.9	451.3	458.0	553.2	644.6	653.1
82.5°	709.3	696.9	668.4	499.8	378.0	336.1	358.9	402.7	520.8	398.9	459.9
85°	349.4	376.1	429.4	279.0	235.2	229.5	240.9	356.1	344.7	159.0	149.5
87.5°	89.5	106.6	100.9	74.3	63.8	59.0	80.0	133.3	109.5	38.1	22.9
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

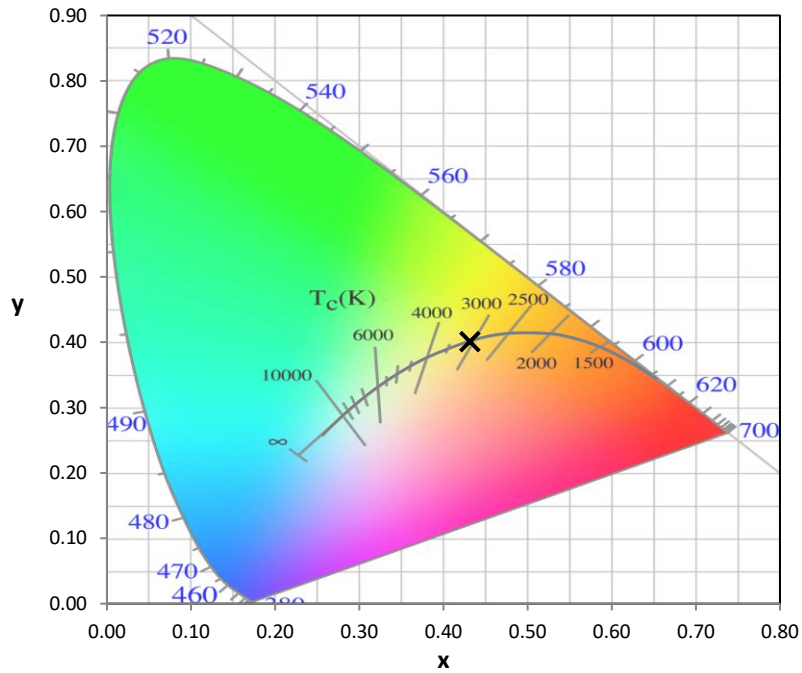
Stabilization Time: 30M
 Operation Time: 1H 30M
 Sphere Temperature (°C): 25.7

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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

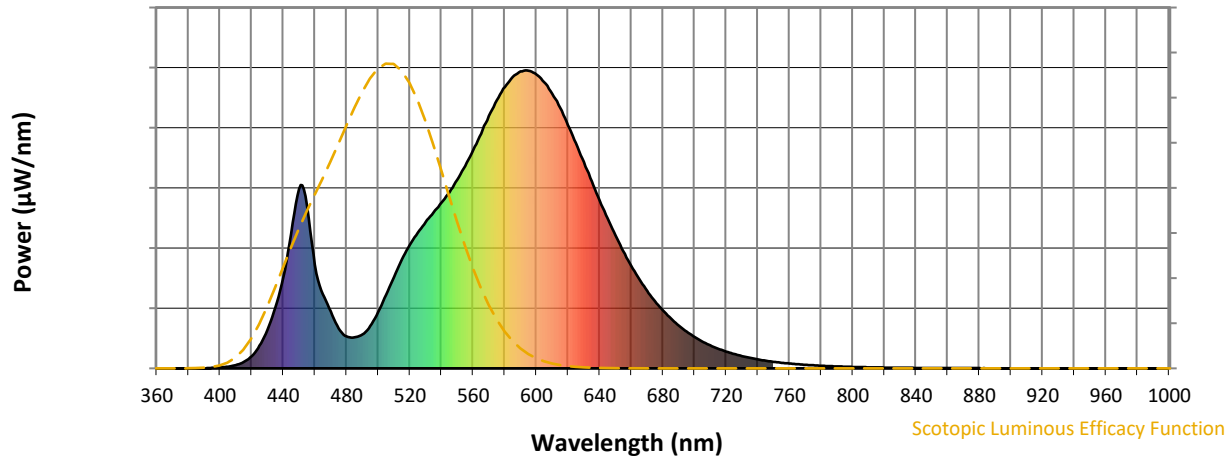


Photopic Lumens: NR

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 $\text{W}^\wedge/\text{nm}$	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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Melanopic Flux vs. Wavelength


Melanopic Lumens: NR
M/P: 2.3

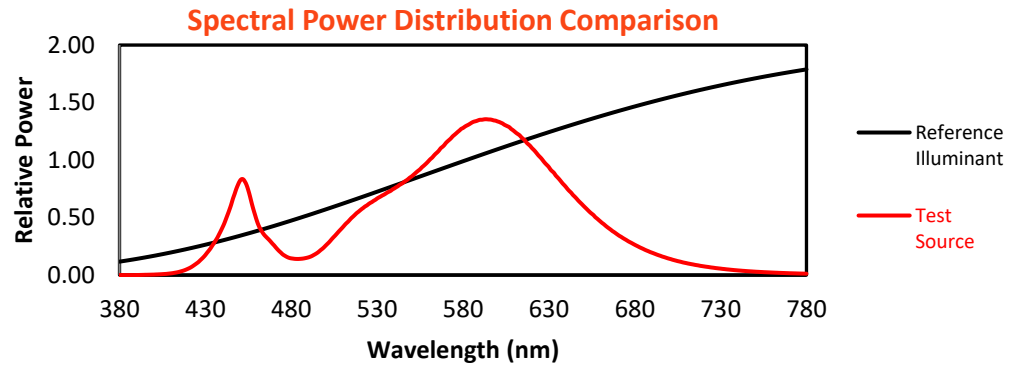
λ (nm)	Power $\text{W}^\wedge/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^\wedge/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^\wedge/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^\wedge/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^\wedge/\text{nm}$	Lumens (ϕ/nm)
360	0	NR	490	114	NR	620	817	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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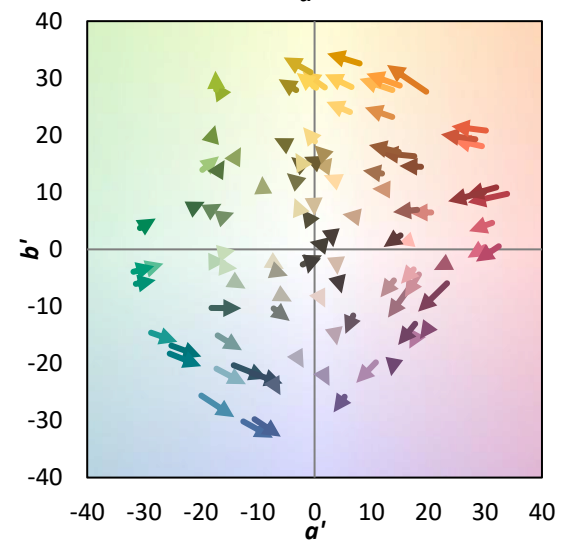
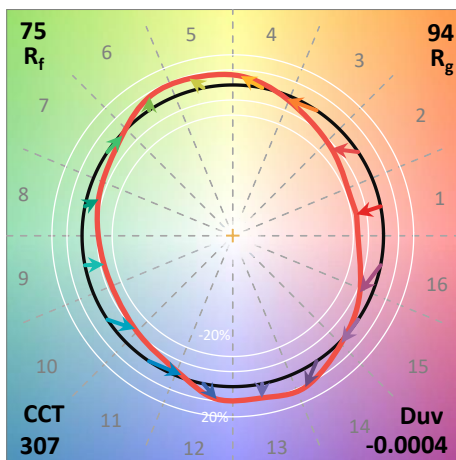
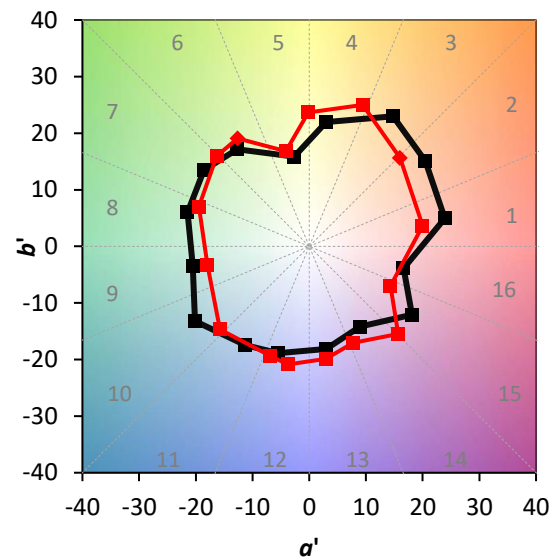
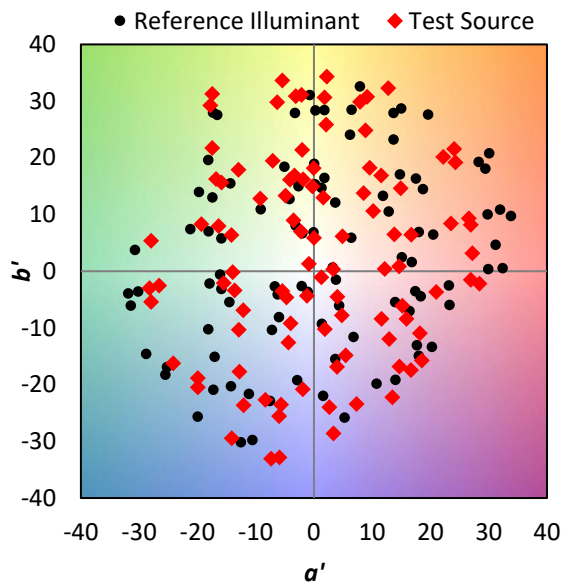
TM-30-18

Summary

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

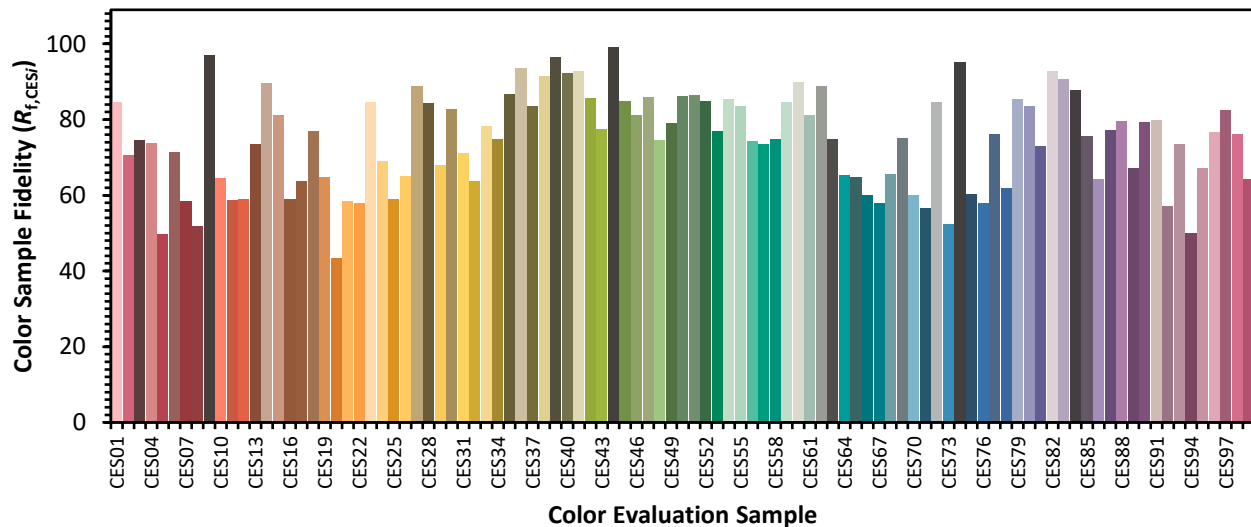


Color Vector Graphics

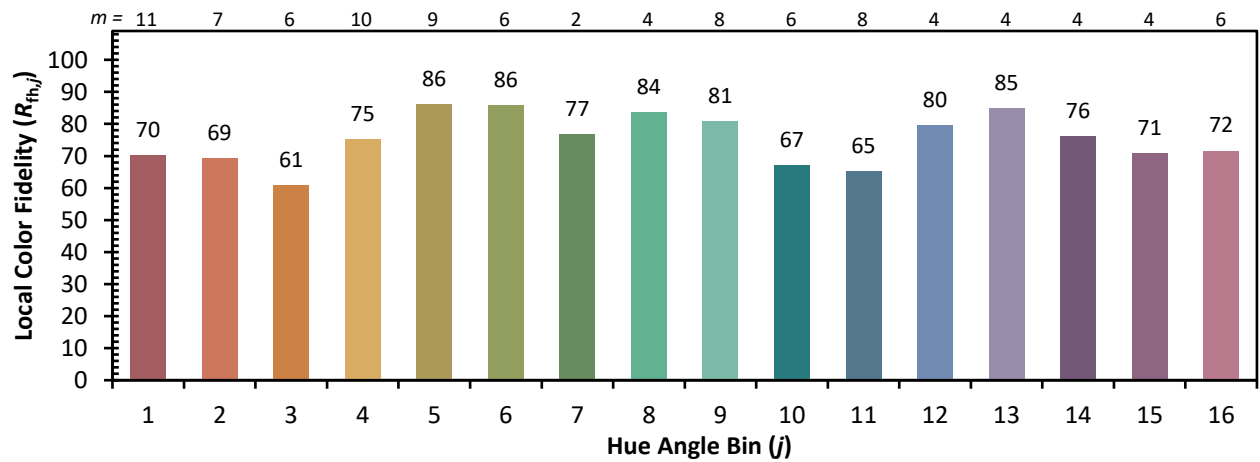
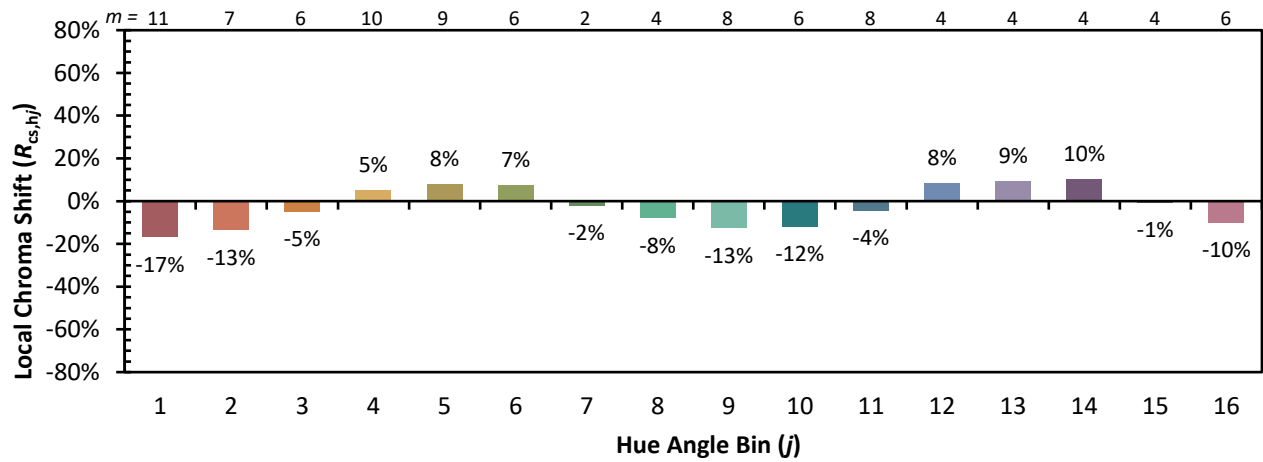


Individual Sample Fidelity Index ($R_{f,i}$)

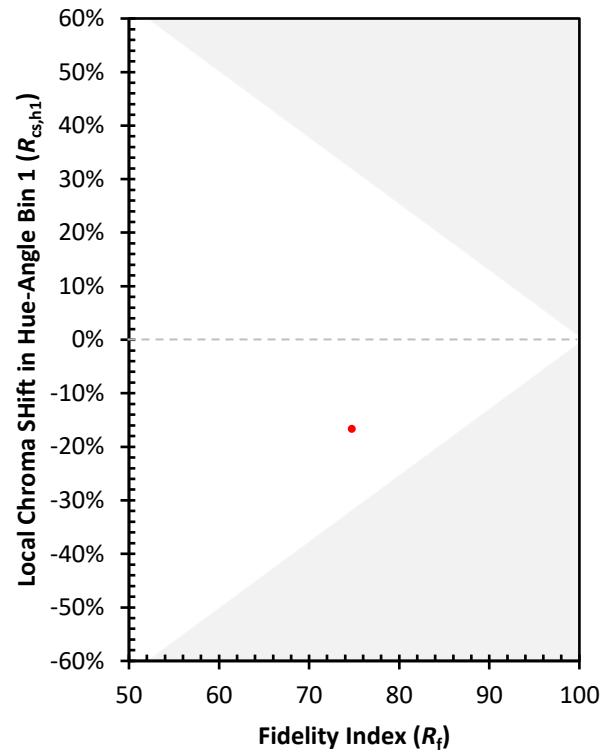
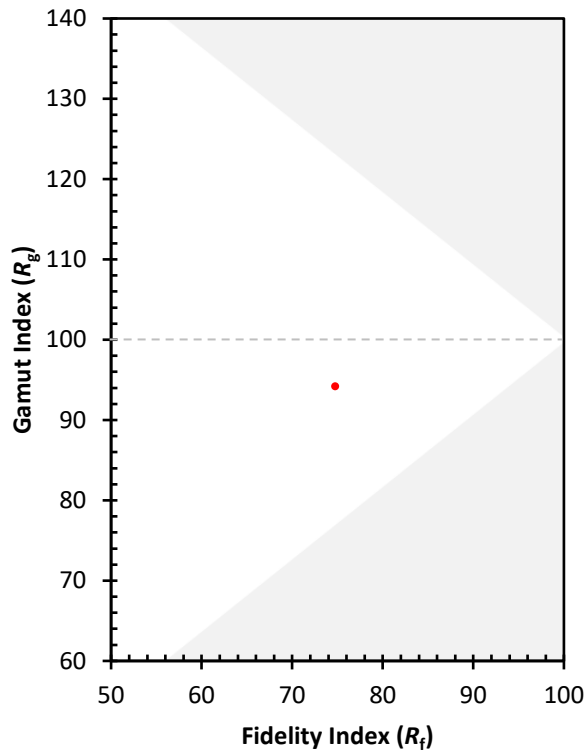
CES01 = 86	CES26 = 65	CES51 = 86	CES76 = 58
CES02 = 62	CES27 = 89	CES52 = 85	CES77 = 76
CES03 = 31	CES28 = 84	CES53 = 77	CES78 = 62
CES04 = 71	CES29 = 68	CES54 = 85	CES79 = 85
CES05 = 49	CES30 = 83	CES55 = 84	CES80 = 84
CES06 = 51	CES31 = 71	CES56 = 74	CES81 = 73
CES07 = 41	CES32 = 64	CES57 = 74	CES82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