

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: P1461644

Luminaire Tested: USSL-150-722-U-T3R

Issue Date: 06/10/2026

Test Information

Test Method: LM-79-2024
Report Number: P1461644
Test Lab: INNOVATION CENTER(G3)
Issue Date: 6/11/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: STREETWORKS
Catalog Number: USSL-150-722-U-T3R
Description: USSL DISCRETE LED 1 SQUARE 150W 70CRI 2200K FIXTURE w/ TYPE III DISTRIBUTION OPTIC
Light Source: (40) 2200K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 17924.2 lumens
Efficiency: N/A
Efficacy: 117.9 lumens/watt
Luminous Opening: Rectangular (W 0.67' x L: 0.67' x H: 0')
IES Classification: Type III - Short
BUG Rating: B3 - U0 - G3

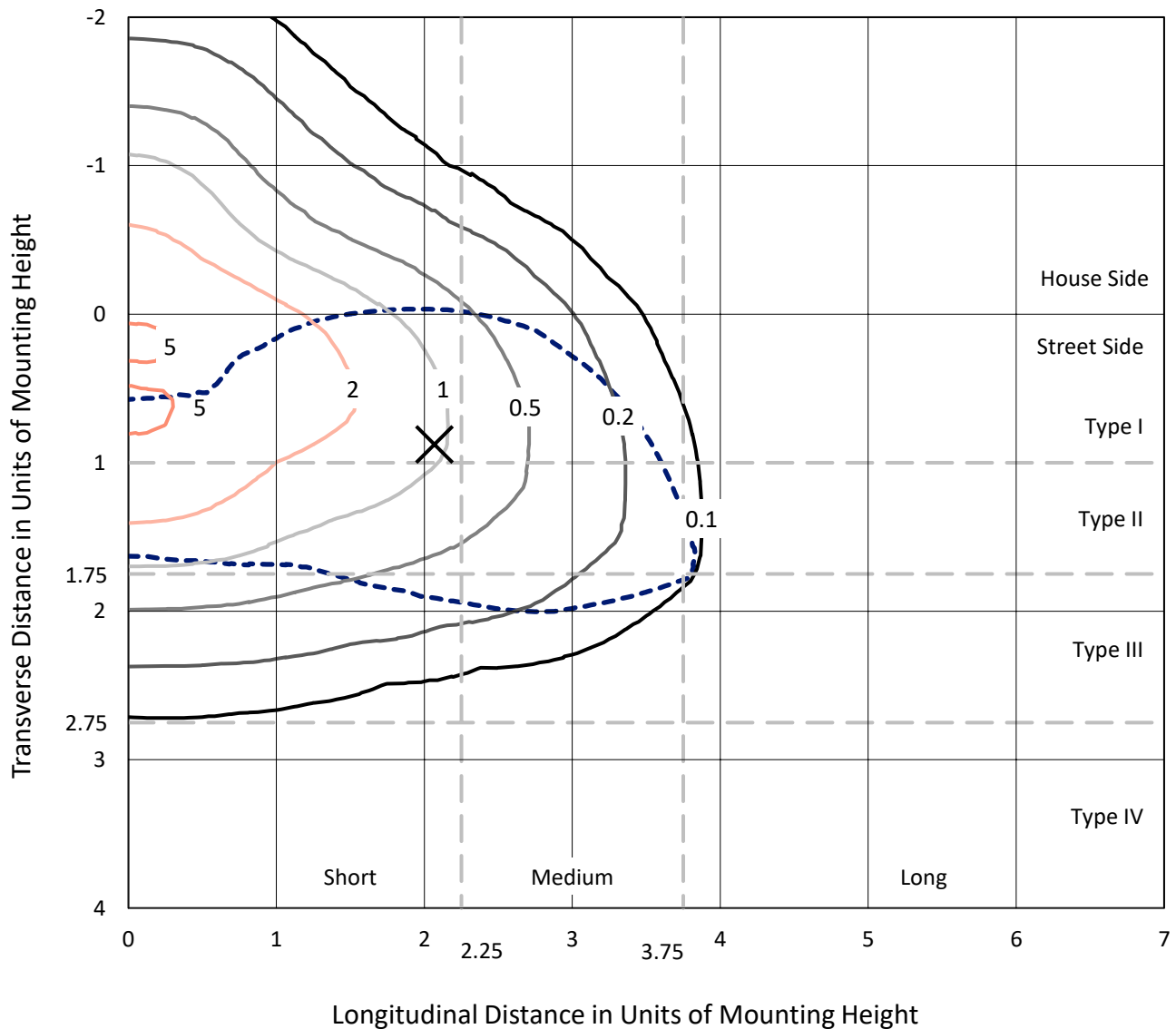
Input Watts (W): 152
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: 0.98
Total Harmonic Distortion (THDi): 2.75%
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT

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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 --- 1/2 Max cd

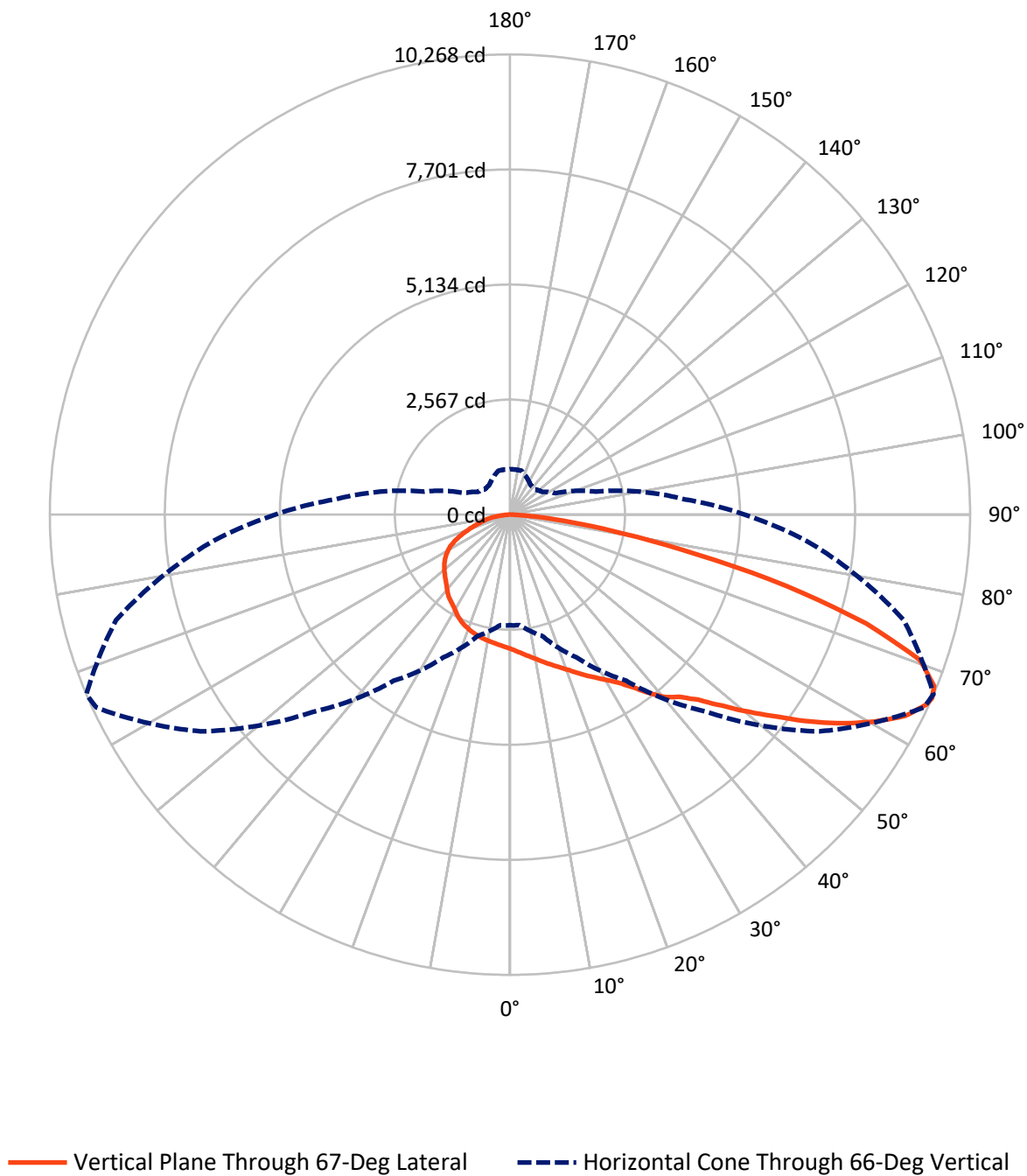


Based on 25 foot mounting height. Maximum calculated value = 5.5 fc
 Type III - Short - N/A

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Luminous Intensity Polar Plot



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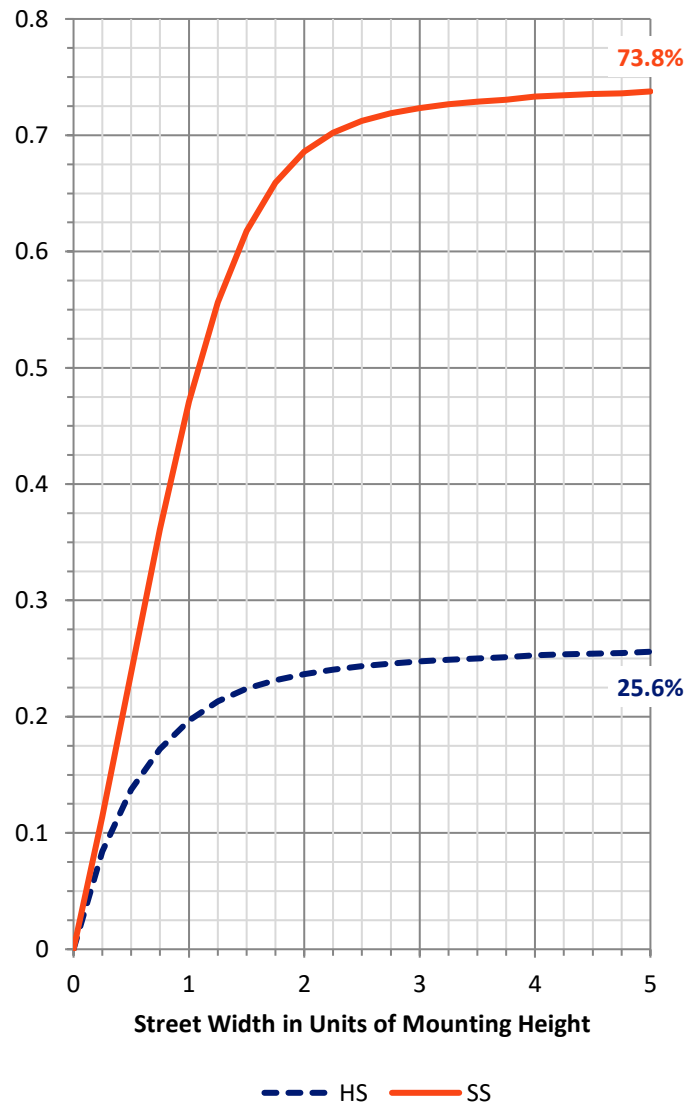
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4645.3	0.0	4645.3
	% Fixture	25.9	0.0	25.9
Street Side	Lumens	13278.9	0.0	13278.9
	% Fixture	74.1	0.0	74.1
Total	Lumens	17924.2	0.0	17924.2
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	288.6	1.6
10°-20°	868.7	4.8
20°-30°	1478.6	8.2
30°-40°	2311.4	12.9
40°-50°	3196.3	17.8
50°-60°	3833.0	21.4
60°-70°	3698.8	20.6
70°-80°	1908.9	10.6
80°-90°	339.9	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°	17924.2	100.0
0°-180°	17924.2	100.0

Coefficient of Utilization



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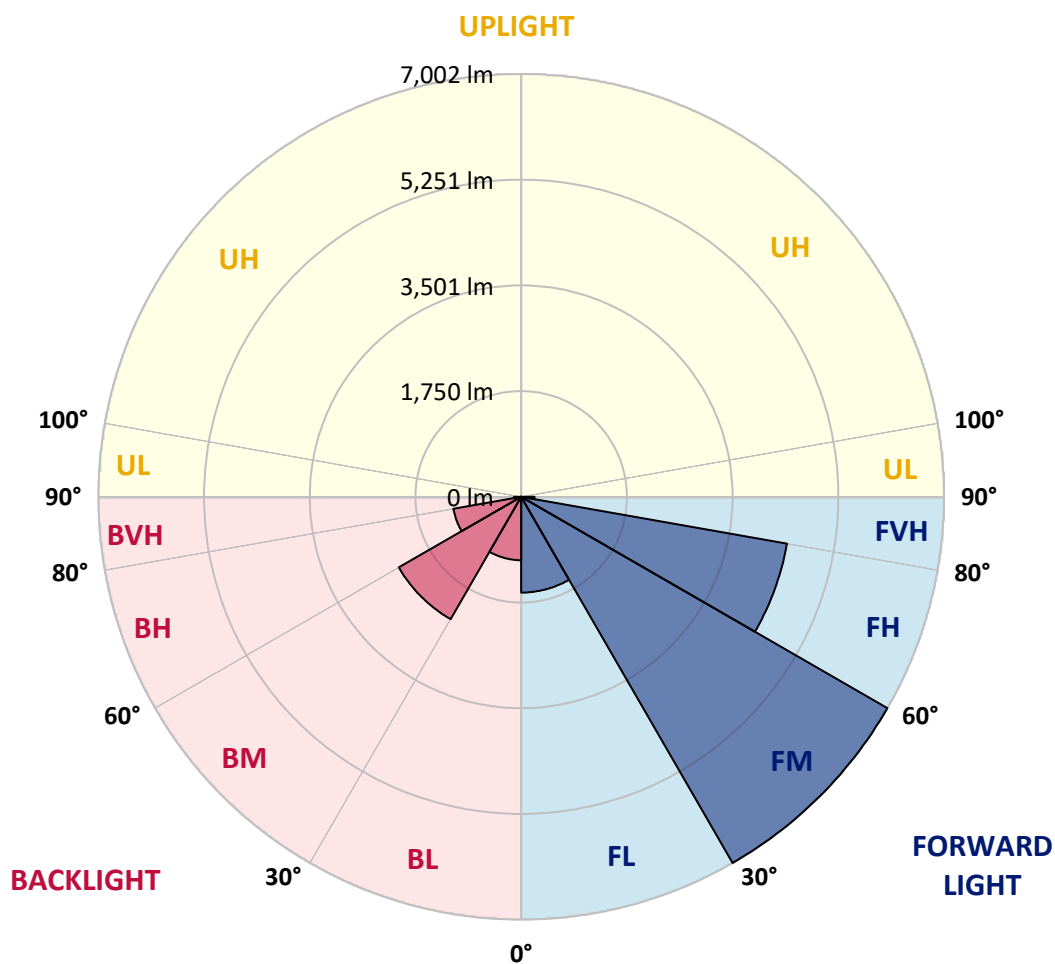
CATALOG NUMBER: USSL-150-722-U-T3R

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1586.2	8.8			
FM	(30°-60°)	7001.9	39.1			
FH	(60°-80°)	4468.8	24.9			G2/5000
FVH	(80°-90°)	222.0	1.2			G2/225
BL	(0°-30°)	1049.7	5.9	B3/2500		
BM	(30°-60°)	2338.9	13.0	B2/2500		
BH	(60°-80°)	1138.8	6.4	B3/2500		G3/2500
BVH	(80°-90°)	117.9	0.7			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 III Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	67°	75°	85°
0°	2995.5	2995.5	2995.5	2995.5	2995.5	2995.5	2995.5	2995.5	2995.5	2995.5	2995.5
2.5°	3117.1	3119.6	3121.3	3116.3	3100.4	3089.6	3081.3	3054.6	3055.4	3038.8	3008.0
5°	3236.2	3248.7	3245.4	3236.2	3217.0	3190.4	3161.2	3118.8	3122.1	3086.3	3033.0
7.5°	3349.5	3365.3	3359.5	3352.0	3330.3	3296.2	3262.0	3200.4	3197.9	3143.7	3062.9
10°	3439.5	3456.1	3456.1	3451.1	3442.0	3402.8	3358.7	3292.0	3278.7	3202.9	3106.3
12.5°	3513.6	3528.6	3538.6	3534.4	3537.8	3511.1	3462.8	3390.3	3377.0	3276.2	3154.6
15°	3557.7	3586.1	3593.6	3606.9	3624.4	3613.6	3580.2	3482.8	3474.4	3361.2	3205.4
17.5°	3602.7	3618.6	3636.9	3670.2	3698.5	3715.2	3681.9	3600.2	3578.6	3442.0	3258.7
20°	3655.2	3684.4	3704.4	3739.3	3779.3	3820.1	3812.6	3716.0	3694.4	3542.7	3323.7
22.5°	3794.3	3815.1	3824.3	3848.5	3895.9	3936.8	3941.8	3856.8	3830.1	3665.2	3401.1
25°	4074.2	4097.5	4062.5	4035.9	4022.6	4058.4	4083.4	4005.1	3975.9	3786.8	3476.9
27.5°	4572.3	4571.5	4469.9	4361.6	4245.8	4203.3	4220.8	4154.2	4122.5	3905.1	3565.2
30°	5137.9	5165.4	5079.6	4817.2	4544.8	4373.2	4384.1	4309.1	4285.0	4048.4	3667.7
32.5°	5729.4	5745.2	5642.7	5390.3	4951.4	4635.6	4571.5	4509.0	4474.0	4239.1	3800.1
35°	6016.8	6048.4	5993.4	5751.9	5309.5	4957.2	4847.2	4780.6	4733.1	4464.9	3970.9
37.5°	6388.3	6434.1	6423.3	6080.1	5532.8	5214.6	5137.1	5072.1	5051.3	4747.3	4187.5
40°	6935.6	6933.9	6958.0	6409.9	5770.2	5392.8	5395.3	5397.8	5357.0	4979.7	4348.3
42.5°	7200.5	7193.0	7112.2	6592.4	6046.7	5568.6	5600.3	5596.9	5554.4	5156.3	4475.7
45°	7281.3	7272.1	7079.7	6732.3	6479.9	5766.9	5857.7	5926.0	5891.0	5477.8	4729.8
47.5°	7224.6	7206.3	7100.5	6815.6	6717.3	6115.9	6152.5	6375.8	6369.1	5878.5	5024.7
50°	7083.8	7033.0	7001.4	6845.6	6648.2	6271.7	6517.4	6931.4	6915.6	6370.0	5339.5
52.5°	6773.1	6766.5	6806.4	6704.0	6504.9	6341.6	6916.4	7488.7	7492.0	6869.8	5656.9
55°	6386.6	6362.5	6488.2	6479.9	6355.0	6480.7	7308.7	8128.4	8151.7	7386.2	5997.6
57.5°	5458.6	5486.1	6023.4	6174.2	6198.4	6623.2	7727.7	8732.3	8780.7	7909.3	6289.1
60°	4551.5	4604.8	4991.3	5671.9	5953.5	6697.3	8120.1	9347.1	9367.1	8433.3	6554.0
62.5°	3773.5	3757.7	4110.9	4878.9	5559.4	6668.2	8397.5	9822.7	9895.2	8850.6	6705.6
65°	2798.9	2836.4	3219.5	3900.1	4892.2	6392.4	8484.9	10151.8	10211.7	9082.2	6699.8
66°	2468.2	2474.8	2803.9	3513.6	4520.7	6221.7	8429.1	10182.6	10267.6	9098.9	6629.0
67.5°	2040.0	2049.2	2310.7	2891.3	3935.1	5850.2	8215.9	10125.9	10207.6	9006.4	6406.6
70°	1448.6	1497.7	1637.7	2028.4	2773.9	4758.9	7530.3	9512.9	9699.5	8420.0	5757.7
72.5°	1048.7	1062.1	1175.4	1377.8	1743.5	3172.9	6231.7	8192.6	8312.5	7041.3	4589.8
75°	748.0	764.7	860.5	941.3	1153.7	1957.5	4394.1	6417.4	6389.1	5038.0	3127.1
77.5°	581.4	593.9	628.9	672.2	774.7	1119.6	2644.8	4336.6	4275.0	3157.9	1949.2
80°	472.3	475.6	464.8	482.3	534.0	705.6	1513.6	2589.8	2534.8	1781.8	1180.4
82.5°	368.2	372.4	364.0	352.4	378.2	476.5	883.8	1369.5	1362.0	1032.9	639.7
85°	235.7	244.9	234.9	218.2	235.7	289.9	465.6	583.9	561.4	467.3	243.2
87.5°	131.6	129.9	119.1	95.8	83.3	105.0	129.9	130.8	125.8	110.0	66.6
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

REPORT NUMBER: P1461644

CATALOG NUMBER: USSL-150-722-U-T3R

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	2995.5	2995.5	2995.5	2995.5	2995.5	2995.5	2995.5	2995.5	2995.5	2995.5	2995.5
2.5°	3001.3	2995.5	2971.3	2949.7	2927.2	2913.8	2893.8	2884.7	2873.8	2864.7	2856.4
5°	3018.0	2998.0	2952.2	2909.7	2868.9	2842.2	2806.4	2788.9	2768.9	2761.4	2751.4
7.5°	3038.0	2999.6	2938.0	2872.2	2817.2	2768.1	2722.2	2694.8	2672.3	2665.6	2664.8
10°	3063.8	3017.1	2925.5	2839.7	2763.1	2696.4	2638.1	2596.5	2571.5	2562.3	2558.1
12.5°	3094.6	3033.0	2917.2	2808.0	2708.1	2626.4	2554.0	2501.5	2477.3	2462.3	2464.0
15°	3131.2	3052.9	2908.0	2771.4	2644.8	2547.3	2459.0	2399.0	2370.7	2359.9	2358.2
17.5°	3169.6	3071.3	2898.0	2728.1	2574.8	2454.9	2362.4	2294.9	2259.1	2256.6	2263.3
20°	3213.7	3098.8	2886.3	2678.9	2501.5	2364.1	2261.6	2202.5	2166.6	2163.3	2176.6
22.5°	3265.4	3125.4	2868.9	2622.3	2419.9	2269.9	2169.1	2112.5	2084.2	2087.5	2098.3
25°	3323.7	3154.6	2846.4	2559.0	2329.1	2171.6	2078.3	2038.4	2020.9	2027.5	2042.5
27.5°	3381.1	3187.1	2812.2	2480.7	2231.6	2081.7	2015.0	1985.9	1980.9	1993.4	2010.9
30°	3452.0	3218.7	2771.4	2388.2	2126.6	2003.4	1955.9	1949.2	1954.2	1965.0	1985.0
32.5°	3550.2	3282.9	2743.1	2303.2	2034.2	1925.9	1917.6	1928.4	1941.7	1955.9	1978.4
35°	3682.7	3364.5	2735.6	2233.3	1950.1	1864.3	1885.1	1928.4	1950.9	1967.5	1989.2
37.5°	3849.3	3464.4	2724.7	2168.3	1870.9	1802.6	1862.6	1940.1	1970.0	1978.4	1995.0
40°	3942.6	3493.6	2647.3	2083.3	1795.1	1748.5	1839.3	1942.6	1968.4	1980.9	1995.0
42.5°	4028.4	3507.8	2574.8	1997.5	1736.0	1692.7	1799.3	1912.6	1955.1	2009.2	2027.5
45°	4194.2	3600.2	2545.6	1920.9	1674.3	1630.2	1721.8	1841.8	1949.2	2009.2	2024.2
47.5°	4409.1	3703.5	2517.3	1850.1	1605.2	1546.0	1603.5	1788.5	1908.4	1954.2	1960.0
50°	4632.3	3796.0	2479.8	1782.6	1519.4	1431.9	1503.6	1711.0	1838.4	1860.1	1865.1
52.5°	4833.9	3880.9	2443.2	1711.8	1429.4	1319.5	1400.3	1602.7	1717.6	1723.5	1736.0
55°	5035.5	3962.6	2398.2	1637.7	1322.0	1203.7	1282.8	1461.1	1551.9	1542.7	1542.7
57.5°	5193.8	4035.9	2357.4	1546.0	1221.2	1103.7	1161.2	1301.1	1386.9	1378.6	1371.1
60°	5327.0	4083.4	2309.1	1439.4	1119.6	1007.1	1042.9	1167.0	1250.3	1232.0	1232.0
62.5°	5380.3	4084.2	2229.9	1326.1	1015.4	913.8	937.1	1047.9	1142.0	1131.2	1137.9
65°	5319.5	4006.7	2065.0	1187.0	917.1	824.7	843.8	938.8	1049.6	1046.2	1052.9
66°	5235.4	3916.8	1976.7	1130.4	882.1	797.2	803.8	901.3	1011.3	1012.9	1012.1
67.5°	5052.1	3755.2	1818.4	1049.6	825.5	744.7	753.0	850.5	959.6	951.3	954.6
70°	4582.3	3231.2	1493.6	906.3	740.5	659.7	673.1	773.9	854.7	846.3	844.7
72.5°	3662.7	2438.2	1206.2	773.9	654.7	584.8	604.8	674.7	774.7	770.5	773.0
75°	2429.0	1593.5	948.8	651.4	564.8	525.6	527.3	587.3	683.9	696.4	703.9
77.5°	1512.7	1090.4	763.0	547.3	474.0	439.8	443.2	506.5	585.6	591.4	598.1
80°	970.4	803.8	601.4	444.0	362.4	354.9	365.7	424.0	489.8	494.8	491.5
82.5°	585.6	520.6	449.8	317.4	279.9	279.9	294.9	340.7	364.9	283.2	264.9
85°	233.2	270.7	244.9	174.9	179.9	184.1	193.3	230.7	243.2	128.3	100.8
87.5°	54.1	74.1	72.5	50.8	55.8	60.8	60.0	97.5	121.6	55.0	31.7
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: SP2-2501-321-2

Test Date: 04/09/2025

Luminaire Tested: GKO-PB1E-722-U-T4W

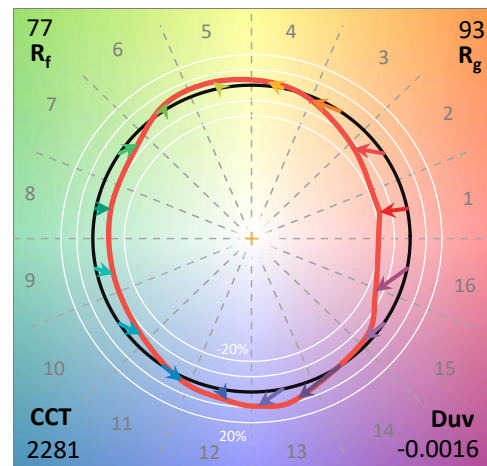
Data in this report applies to families of products including GKO-PB1E-722-U-T4W

Test Information

Test Method: LM-79-2019
 Report Number: SP2-2501-321-2
 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-722-U-T4W**
 Description: Gekko Wedge Wall Pack Fixture 1 SQ w/ T4W distribution

Spectral Parameters

CCT (K):	2281	CRI (Ra):	70.6		
CIE u':	0.2851	R1:	68.4	R9:	-35.1
CIE v':	0.5324	R2:	88.7	R10:	78.0
Duv:	-0.0016	R3:	85.7	R11:	60.2
CIE x:	0.4942	R4:	63.2	R12:	73.8
CIE y:	0.4102	R5:	69.0	R13:	72.8
CIE z:	0.0956	R6:	88.6	R14:	92.4
Peak Wavelength (nm):	602	R7:	68.8	R15:	58.4
Dominant Wavelength (nm):	587	R8:	32.6		
Purity:	71.48321				
Rf:	76.9				
Rg:	92.6				



Test Conditions

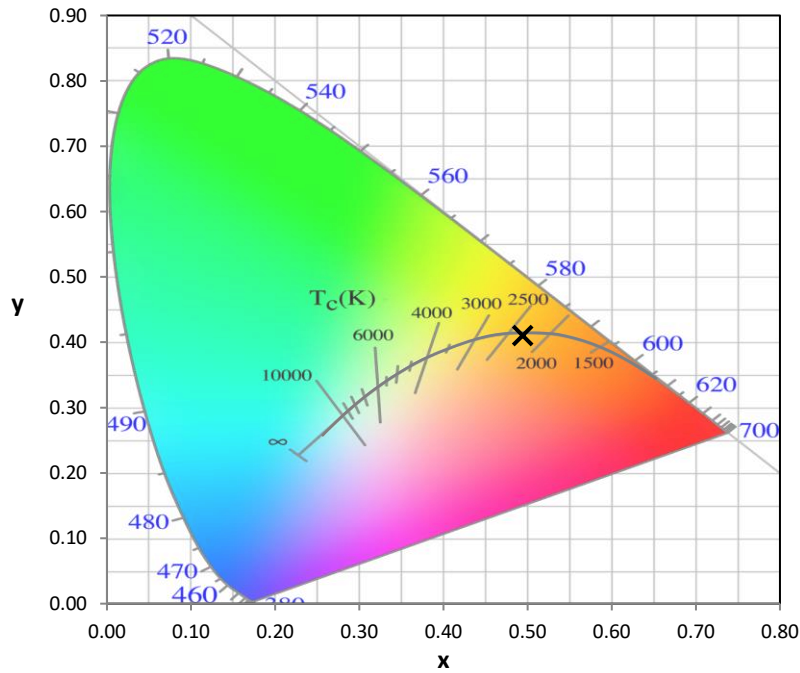
Stabilization Time: 40M
 Operation Time: 1H 40M
 Sphere Temperature (°C): 25.0

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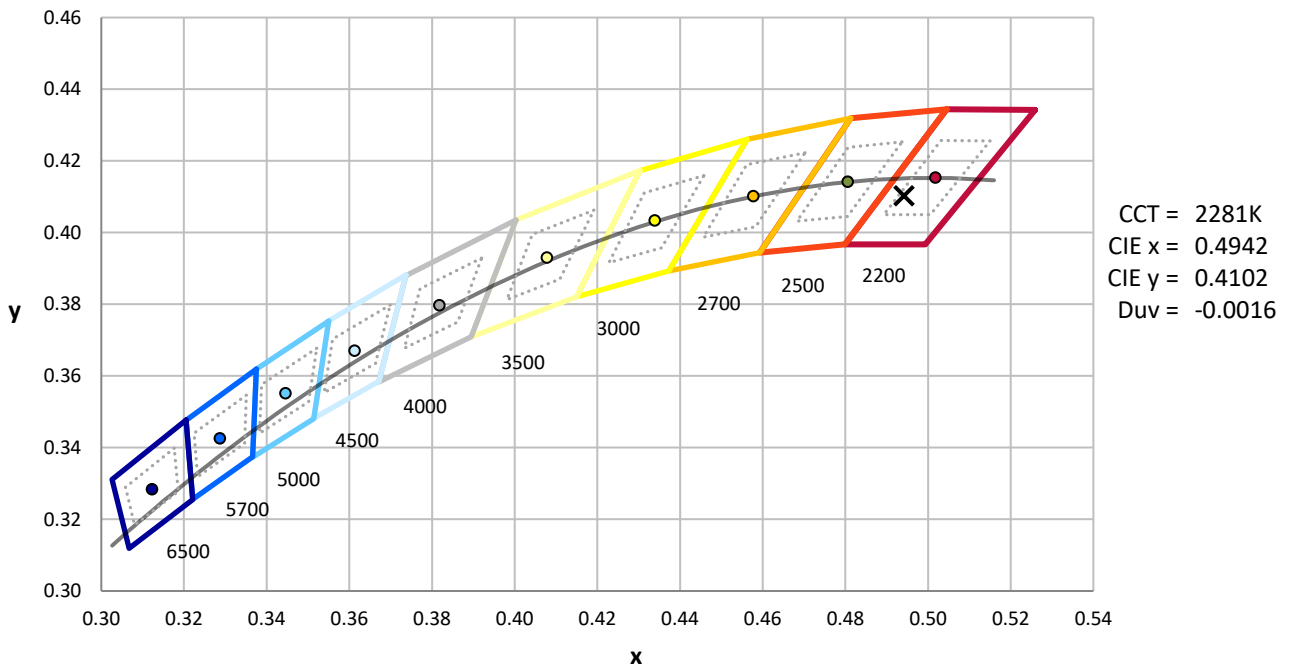
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN2187	1/6/2025	7/6/2025
Power Meter	INXT2011002	1/21/2025	1/21/2026
AC Power Source	IN0458	10/22/2024	10/22/2025
DC Power Source	IN0212	10/22/2024	10/22/2025
Sphere Thermometer	IN4036B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

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CIE 1931 Chromaticity Diagram



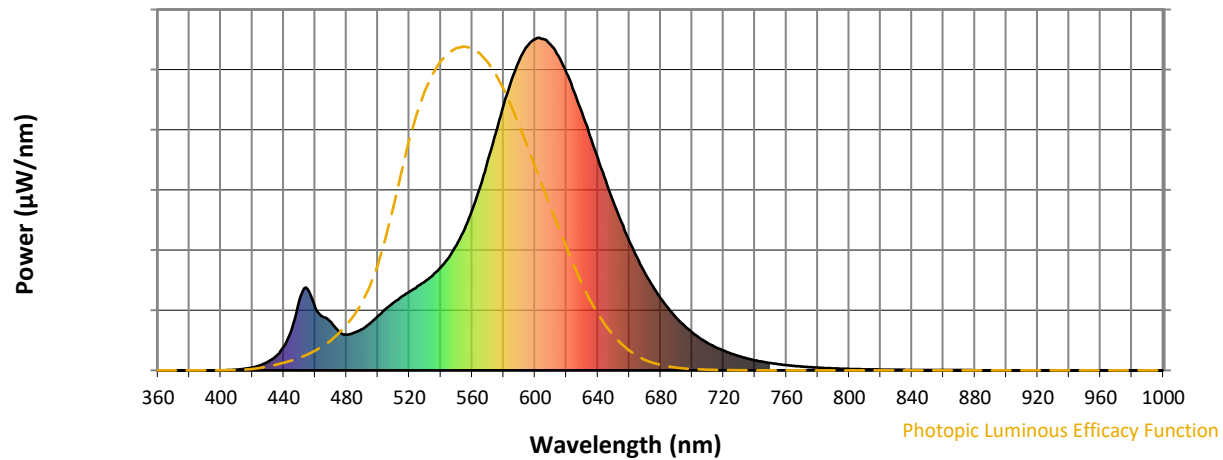
CIE 1931 Chromaticity Diagram with 2017 ANSI 7-Step and 4-Step Quadrangles



Point lies inside the ANSI 2200K 4-step quadrangle

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Photopic Flux vs. Wavelength

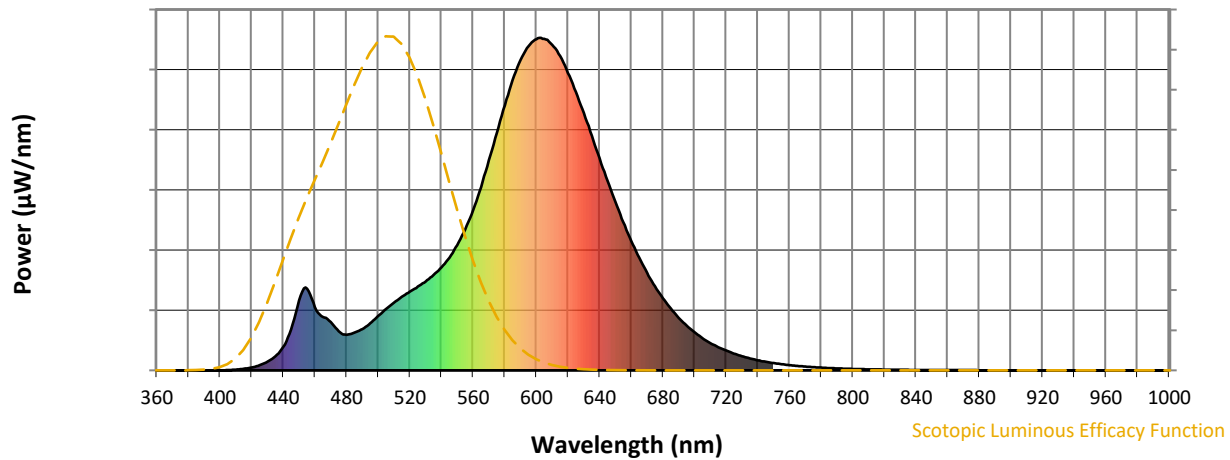


Photopic Lumens: NR

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	124	NR	620	894	NR	750	22	NR	880	0	NR
365	0	NR	495	141	NR	625	837	NR	755	19	NR	885	0	NR
370	0	NR	500	163	NR	630	774	NR	760	16	NR	890	0	NR
375	0	NR	505	184	NR	635	706	NR	765	13	NR	895	0	NR
380	0	NR	510	204	NR	640	638	NR	770	11	NR	900	0	NR
385	0	NR	515	221	NR	645	570	NR	775	10	NR	905	0	NR
390	0	NR	520	237	NR	650	505	NR	780	8	NR	910	0	NR
395	0	NR	525	252	NR	655	446	NR	785	7	NR	915	0	NR
400	0	NR	530	268	NR	660	389	NR	790	6	NR	920	0	NR
405	1	NR	535	287	NR	665	339	NR	795	5	NR	925	0	NR
410	2	NR	540	310	NR	670	292	NR	800	4	NR	930	0	NR
415	5	NR	545	339	NR	675	253	NR	805	4	NR	935	0	NR
420	9	NR	550	377	NR	680	217	NR	810	3	NR	940	0	NR
425	15	NR	555	424	NR	685	186	NR	815	3	NR	945	0	NR
430	26	NR	560	482	NR	690	158	NR	820	2	NR	950	0	NR
435	43	NR	565	551	NR	695	135	NR	825	2	NR	955	0	NR
440	71	NR	570	632	NR	700	114	NR	830	2	NR	960	0	NR
445	123	NR	575	714	NR	705	97	NR	835	2	NR	965	0	NR
450	210	NR	580	797	NR	710	82	NR	840	1	NR	970	0	NR
455	245	NR	585	873	NR	715	70	NR	845	1	NR	975	0	NR
460	190	NR	590	934	NR	720	59	NR	850	1	NR	980	0	NR
465	161	NR	595	975	NR	725	50	NR	855	1	NR	985	0	NR
470	145	NR	600	996	NR	730	43	NR	860	1	NR	990	0	NR
475	117	NR	605	997	NR	735	36	NR	865	1	NR	995	0	NR
480	107	NR	610	978	NR	740	30	NR	870	1	NR	1000	0	NR
485	113	NR	615	945	NR	745	26	NR	875	1	NR			

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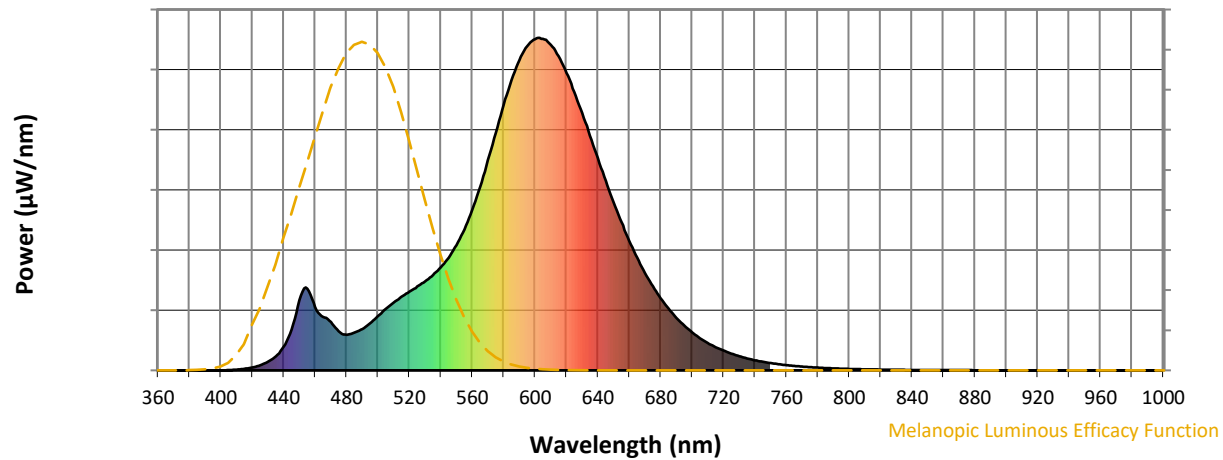
Scotopic Flux vs. Wavelength


Scotopic Lumens: NR
S/P: 0.98

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	124	NR	620	894	NR	750	22	NR	880	0	NR
365	0	NR	495	141	NR	625	837	NR	755	19	NR	885	0	NR
370	0	NR	500	163	NR	630	774	NR	760	16	NR	890	0	NR
375	0	NR	505	184	NR	635	706	NR	765	13	NR	895	0	NR
380	0	NR	510	204	NR	640	638	NR	770	11	NR	900	0	NR
385	0	NR	515	221	NR	645	570	NR	775	10	NR	905	0	NR
390	0	NR	520	237	NR	650	505	NR	780	8	NR	910	0	NR
395	0	NR	525	252	NR	655	446	NR	785	7	NR	915	0	NR
400	0	NR	530	268	NR	660	389	NR	790	6	NR	920	0	NR
405	1	NR	535	287	NR	665	339	NR	795	5	NR	925	0	NR
410	2	NR	540	310	NR	670	292	NR	800	4	NR	930	0	NR
415	5	NR	545	339	NR	675	253	NR	805	4	NR	935	0	NR
420	9	NR	550	377	NR	680	217	NR	810	3	NR	940	0	NR
425	15	NR	555	424	NR	685	186	NR	815	3	NR	945	0	NR
430	26	NR	560	482	NR	690	158	NR	820	2	NR	950	0	NR
435	43	NR	565	551	NR	695	135	NR	825	2	NR	955	0	NR
440	71	NR	570	632	NR	700	114	NR	830	2	NR	960	0	NR
445	123	NR	575	714	NR	705	97	NR	835	2	NR	965	0	NR
450	210	NR	580	797	NR	710	82	NR	840	1	NR	970	0	NR
455	245	NR	585	873	NR	715	70	NR	845	1	NR	975	0	NR
460	190	NR	590	934	NR	720	59	NR	850	1	NR	980	0	NR
465	161	NR	595	975	NR	725	50	NR	855	1	NR	985	0	NR
470	145	NR	600	996	NR	730	43	NR	860	1	NR	990	0	NR
475	117	NR	605	997	NR	735	36	NR	865	1	NR	995	0	NR
480	107	NR	610	978	NR	740	30	NR	870	1	NR	1000	0	NR
485	113	NR	615	945	NR	745	26	NR	875	1	NR			

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Melanopic Flux vs. Wavelength



Melanopic Lumens: NR

M/P: 1.75

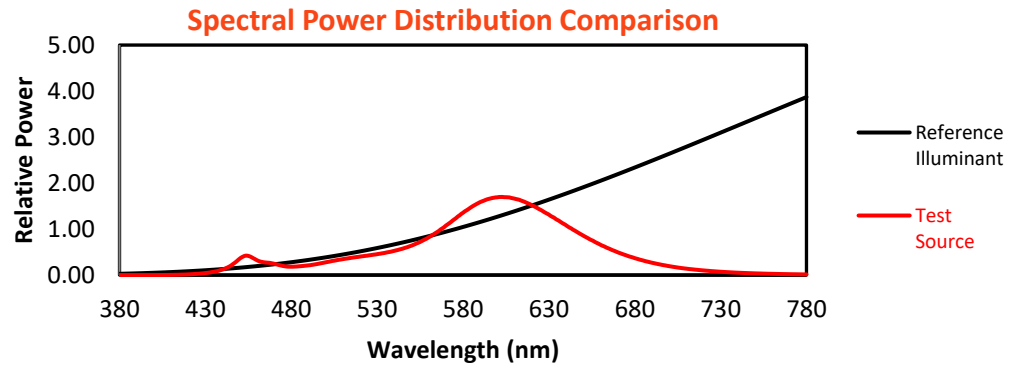
λ (nm)	Power $\text{W}^\wedge/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^\wedge/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^\wedge/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^\wedge/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^\wedge/\text{nm}$	Lumens (ϕ/nm)
360	0	NR	490	124	NR	620	894	NR	750	22	NR	880	0	NR
365	0	NR	495	141	NR	625	837	NR	755	19	NR	885	0	NR
370	0	NR	500	163	NR	630	774	NR	760	16	NR	890	0	NR
375	0	NR	505	184	NR	635	706	NR	765	13	NR	895	0	NR
380	0	NR	510	204	NR	640	638	NR	770	11	NR	900	0	NR
385	0	NR	515	221	NR	645	570	NR	775	10	NR	905	0	NR
390	0	NR	520	237	NR	650	505	NR	780	8	NR	910	0	NR
395	0	NR	525	252	NR	655	446	NR	785	7	NR	915	0	NR
400	0	NR	530	268	NR	660	389	NR	790	6	NR	920	0	NR
405	1	NR	535	287	NR	665	339	NR	795	5	NR	925	0	NR
410	2	NR	540	310	NR	670	292	NR	800	4	NR	930	0	NR
415	5	NR	545	339	NR	675	253	NR	805	4	NR	935	0	NR
420	9	NR	550	377	NR	680	217	NR	810	3	NR	940	0	NR
425	15	NR	555	424	NR	685	186	NR	815	3	NR	945	0	NR
430	26	NR	560	482	NR	690	158	NR	820	2	NR	950	0	NR
435	43	NR	565	551	NR	695	135	NR	825	2	NR	955	0	NR
440	71	NR	570	632	NR	700	114	NR	830	2	NR	960	0	NR
445	123	NR	575	714	NR	705	97	NR	835	2	NR	965	0	NR
450	210	NR	580	797	NR	710	82	NR	840	1	NR	970	0	NR
455	245	NR	585	873	NR	715	70	NR	845	1	NR	975	0	NR
460	190	NR	590	934	NR	720	59	NR	850	1	NR	980	0	NR
465	161	NR	595	975	NR	725	50	NR	855	1	NR	985	0	NR
470	145	NR	600	996	NR	730	43	NR	860	1	NR	990	0	NR
475	117	NR	605	997	NR	735	36	NR	865	1	NR	995	0	NR
480	107	NR	610	978	NR	740	30	NR	870	1	NR	1000	0	NR
485	113	NR	615	945	NR	745	26	NR	875	1	NR			

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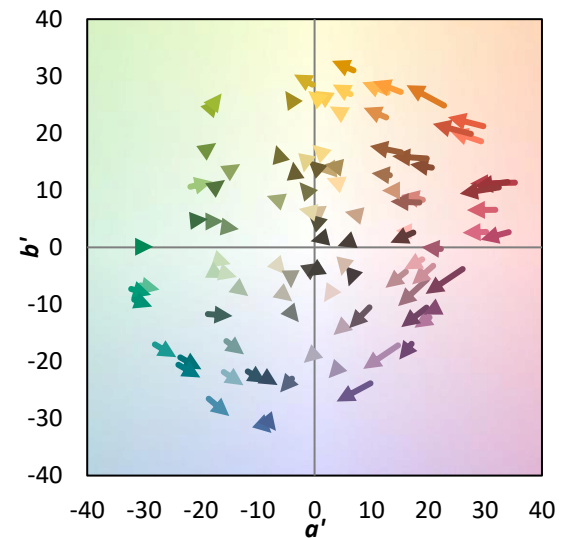
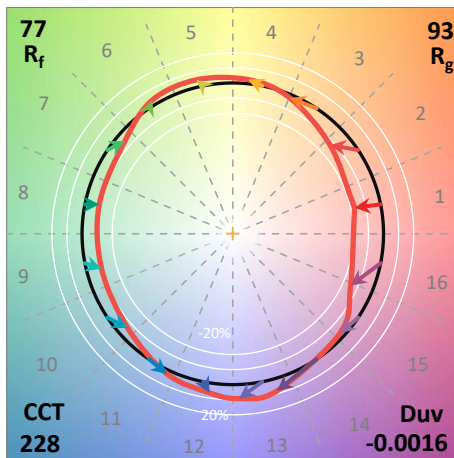
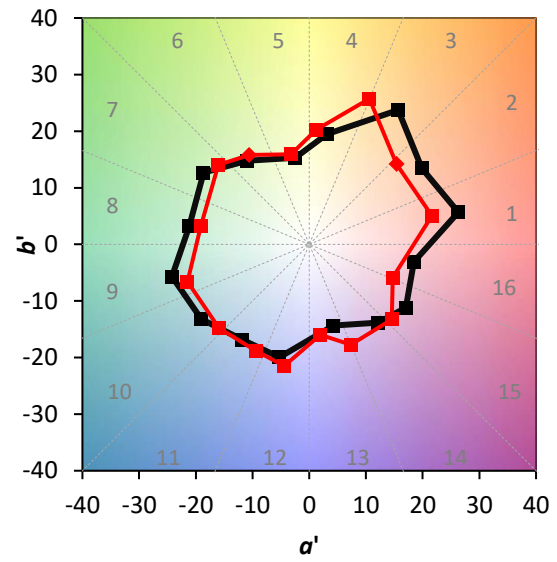
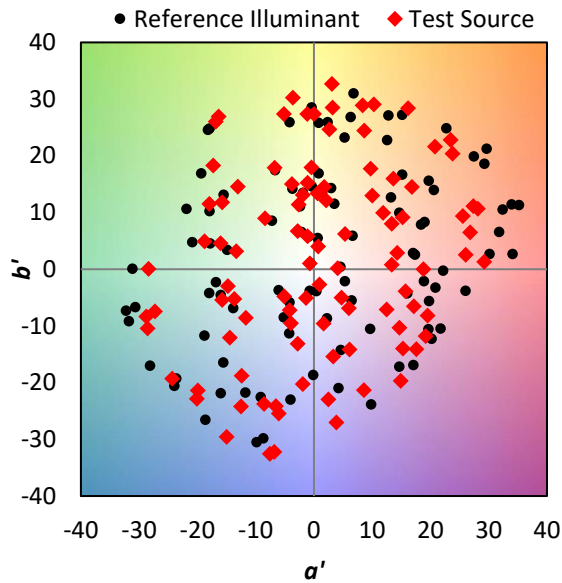
TM-30-18

Summary

$R_f = 76.9$
 $R_g = 92.6$
 $CIE\ R_a = 70.6$
 $R_g = -35.1$

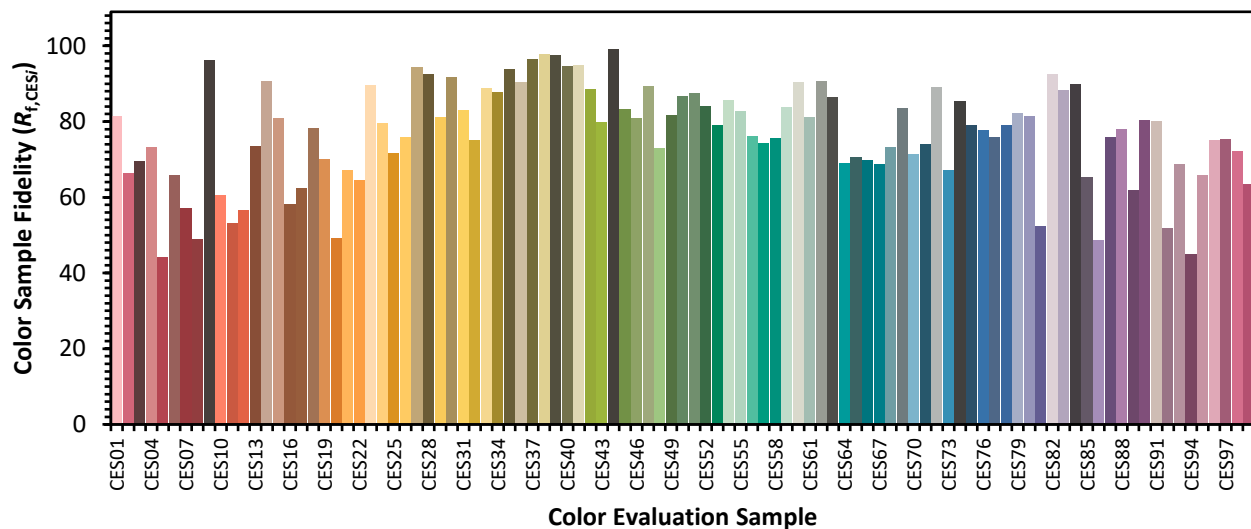


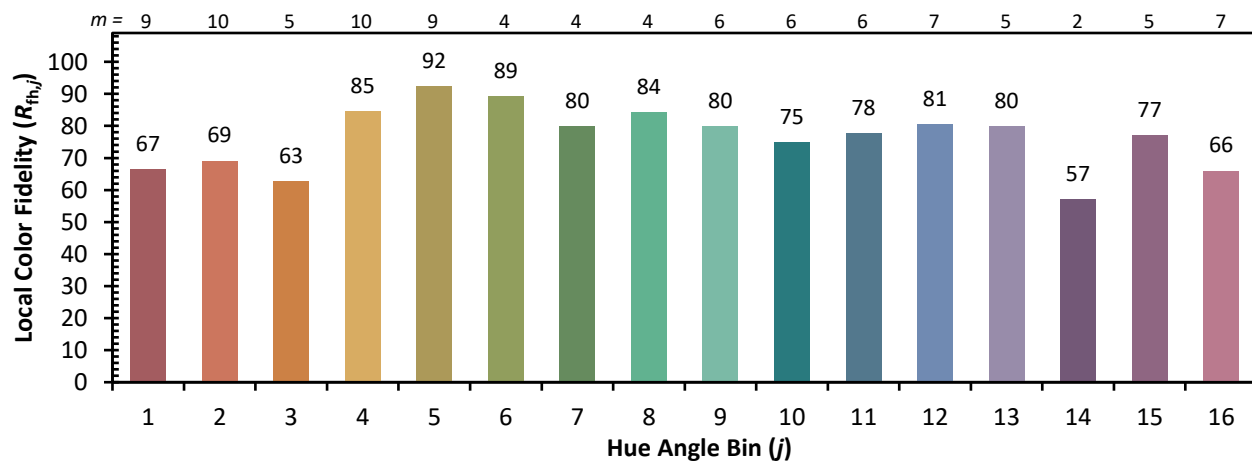
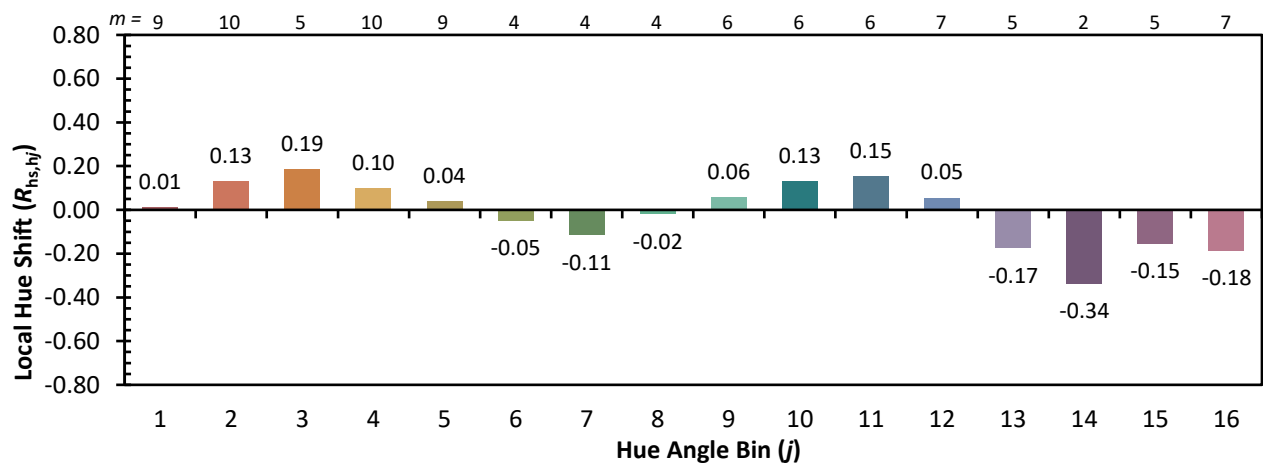
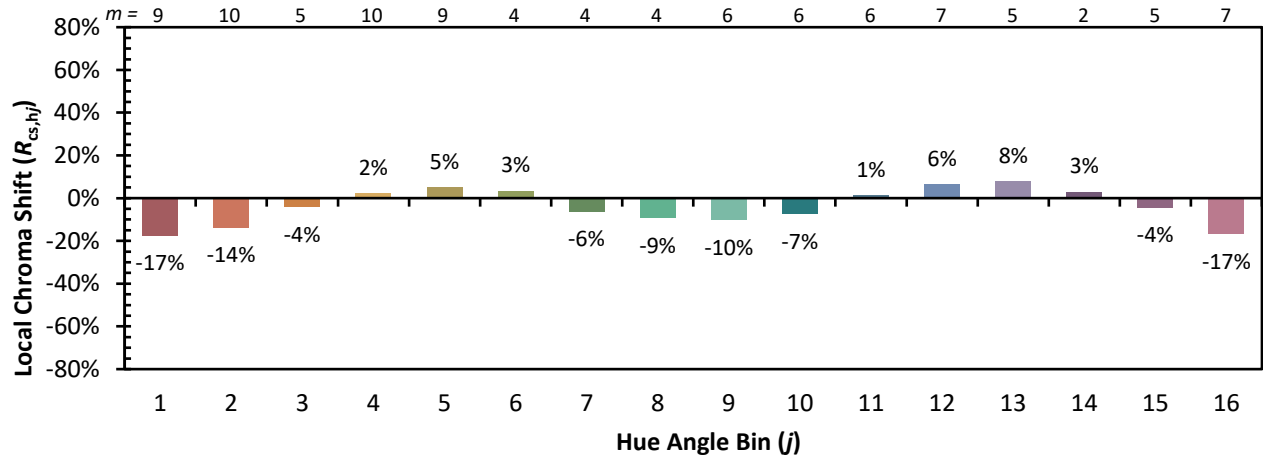
Color Vector Graphics



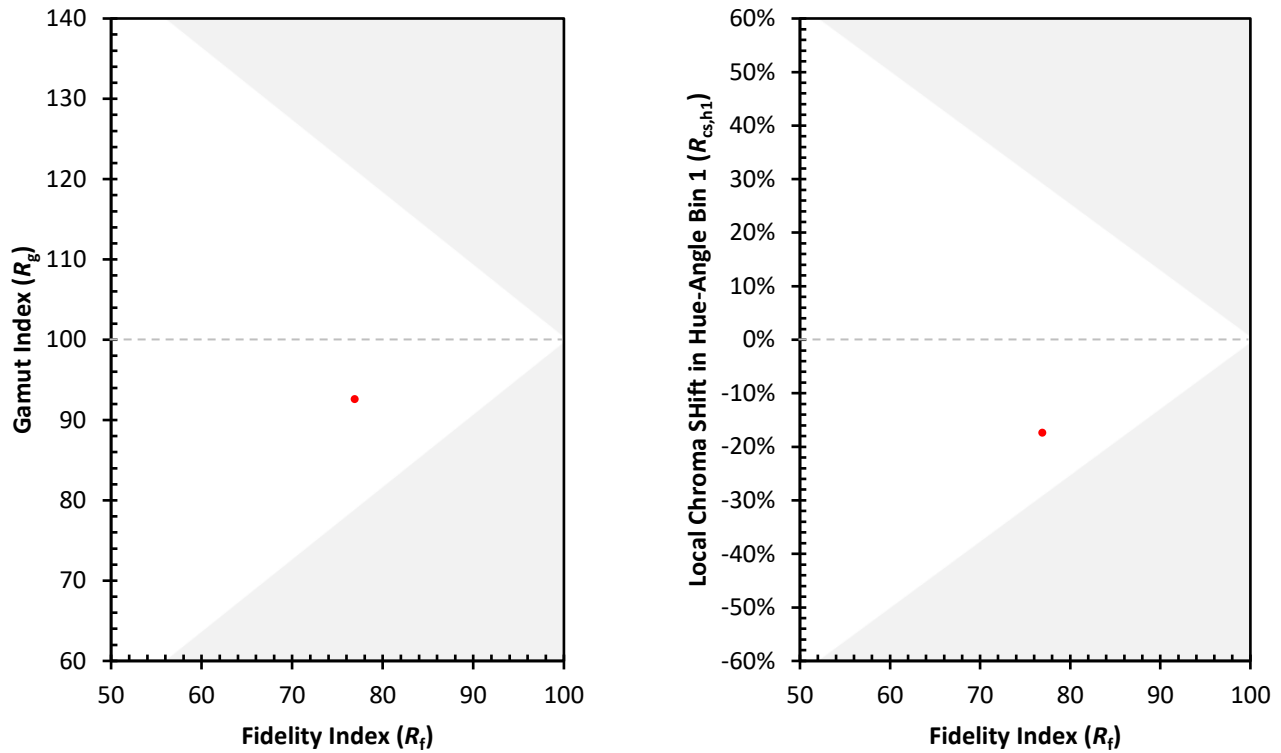
Individual Sample Fidelity Index ($R_{f,i}$)

CES01 = 87	CES26 = 76	CES51 = 88	CES76 = 78
CES02 = 65	CES27 = 94	CES52 = 84	CES77 = 76
CES03 = 32	CES28 = 93	CES53 = 79	CES78 = 79
CES04 = 72	CES29 = 81	CES54 = 86	CES79 = 82
CES05 = 51	CES30 = 92	CES55 = 83	CES80 = 81
CES06 = 52	CES31 = 83	CES56 = 76	CES81 = 52
CES07 = 44	CES32 = 75	CES57 = 74	CES82 = 92
CES08 = 42	CES33 = 89	CES58 = 76	CES83 = 88
CES09 = 29	CES34 = 88	CES59 = 84	CES84 = 90
CES10 = 79	CES35 = 94	CES60 = 91	CES85 = 65
CES11 = 62	CES36 = 90	CES61 = 81	CES86 = 49
CES12 = 68	CES37 = 96	CES62 = 91	CES87 = 76
CES13 = 44	CES38 = 98	CES63 = 86	CES88 = 78
CES14 = 75	CES39 = 98	CES64 = 69	CES89 = 62
CES15 = 72	CES40 = 95	CES65 = 71	CES90 = 80
CES16 = 48	CES41 = 95	CES66 = 70	CES91 = 80
CES17 = 51	CES42 = 89	CES67 = 69	CES92 = 52
CES18 = 57	CES43 = 80	CES68 = 73	CES93 = 69
CES19 = 74	CES44 = 99	CES69 = 84	CES94 = 45
CES20 = 68	CES45 = 83	CES70 = 71	CES95 = 66
CES21 = 88	CES46 = 81	CES71 = 74	CES96 = 75
CES22 = 81	CES47 = 89	CES72 = 89	CES97 = 75
CES23 = 92	CES48 = 73	CES73 = 67	CES98 = 72
CES24 = 92	CES49 = 82	CES74 = 85	CES99 = 64
CES25 = 73	CES50 = 87	CES75 = 79	



Color Rendition by Hue-Angle Bin


Measure Comparisons



(END OF REPORT)