

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: P1461439

Luminaire Tested: USSL-110-727-U-T2U

Issue Date: 06/10/2026

Test Information

Test Method: LM-79-2024
Report Number: P1461439
Test Lab: INNOVATION CENTER(G3)
Issue Date: 6/11/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: STREETWORKS
Catalog Number: USSL-110-727-U-T2U
Description: USSL DISCRETE LED 1 SQUARE 110W 70CRI 2700K FIXTURE w/ TYPE II URBAN DISTRIBUTION OPTIC
Light Source: (40) 2700K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 15673.4 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 II - 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

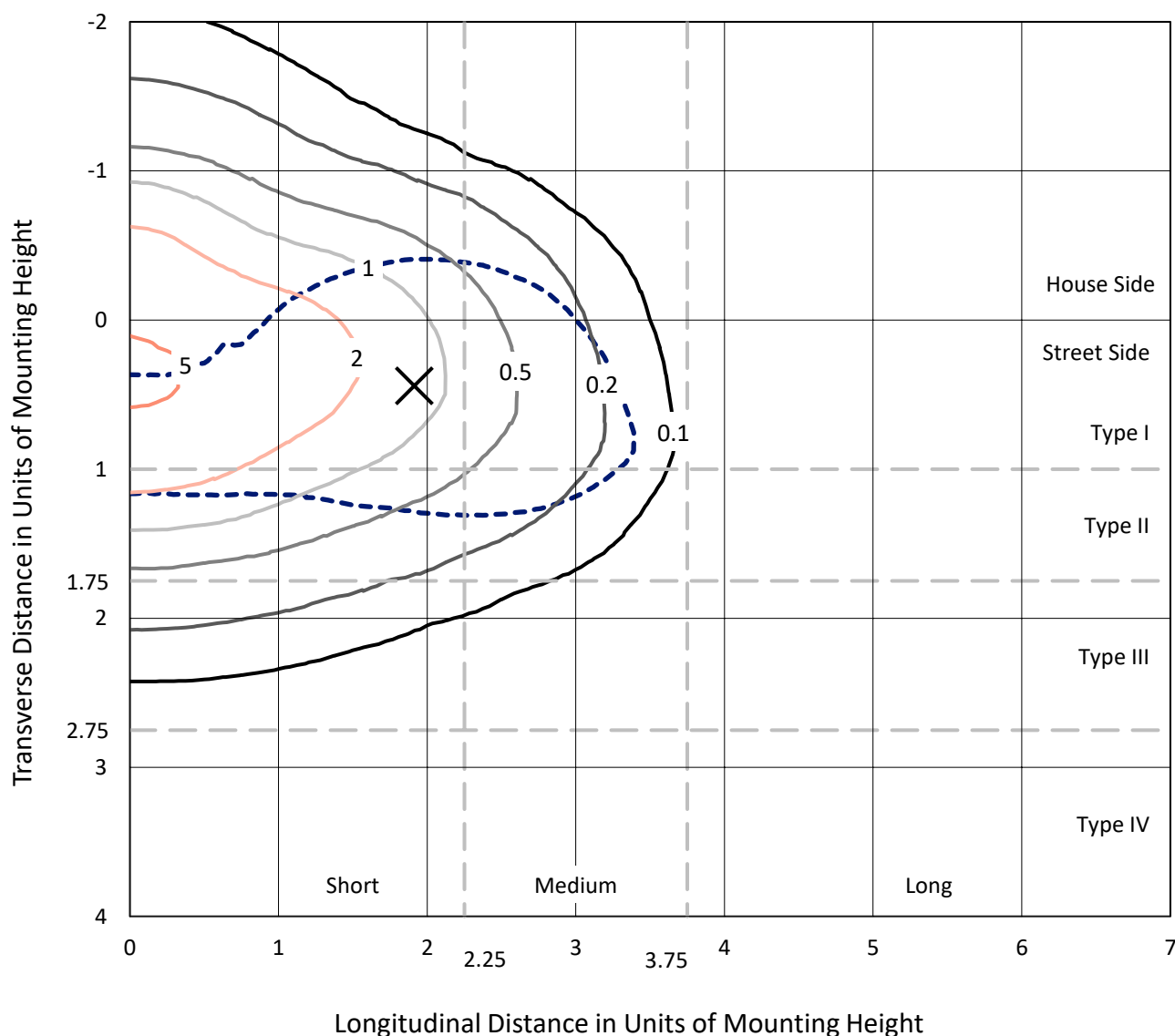
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

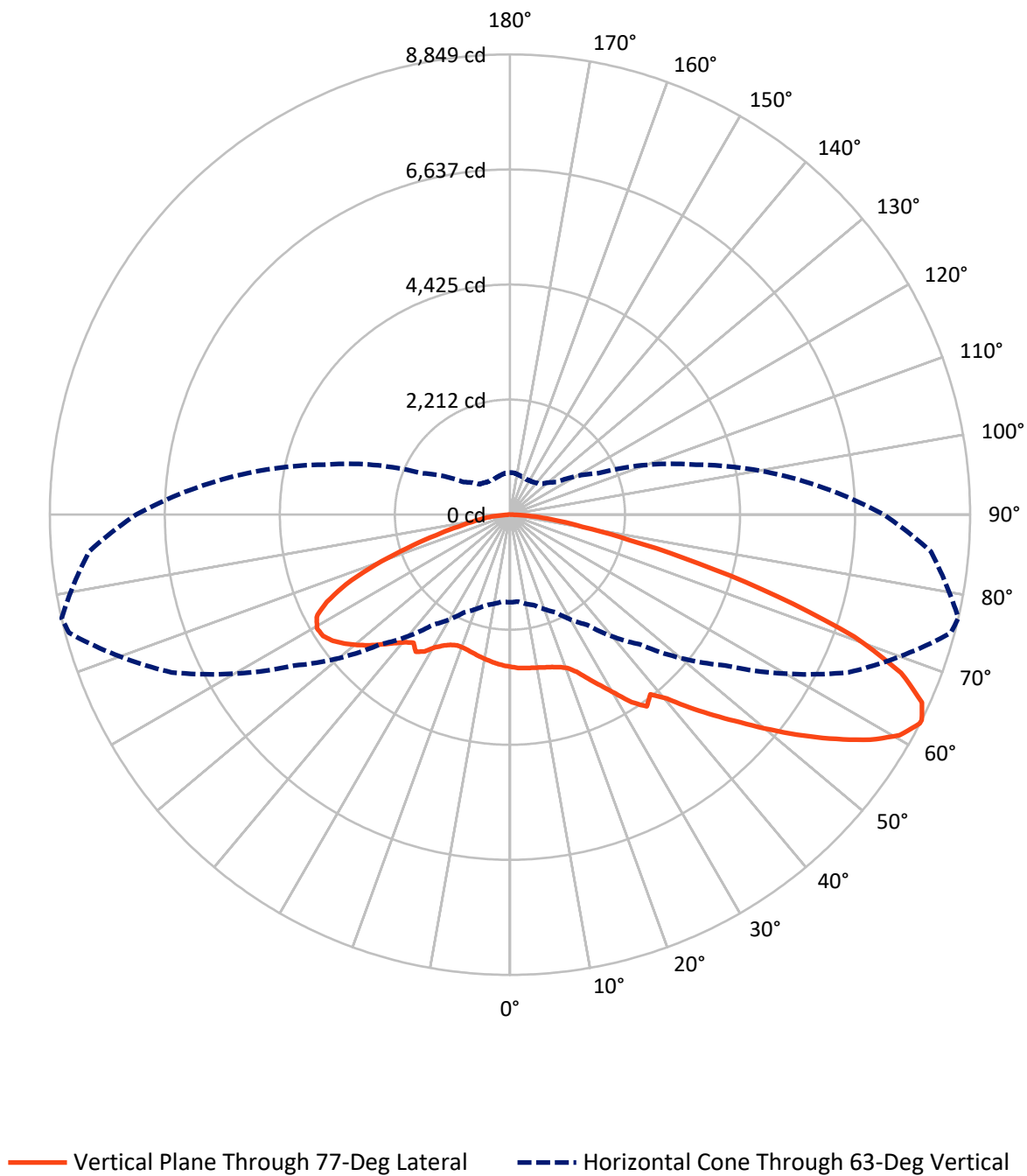


Based on 25 foot mounting height. Maximum calculated value = 5.8 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



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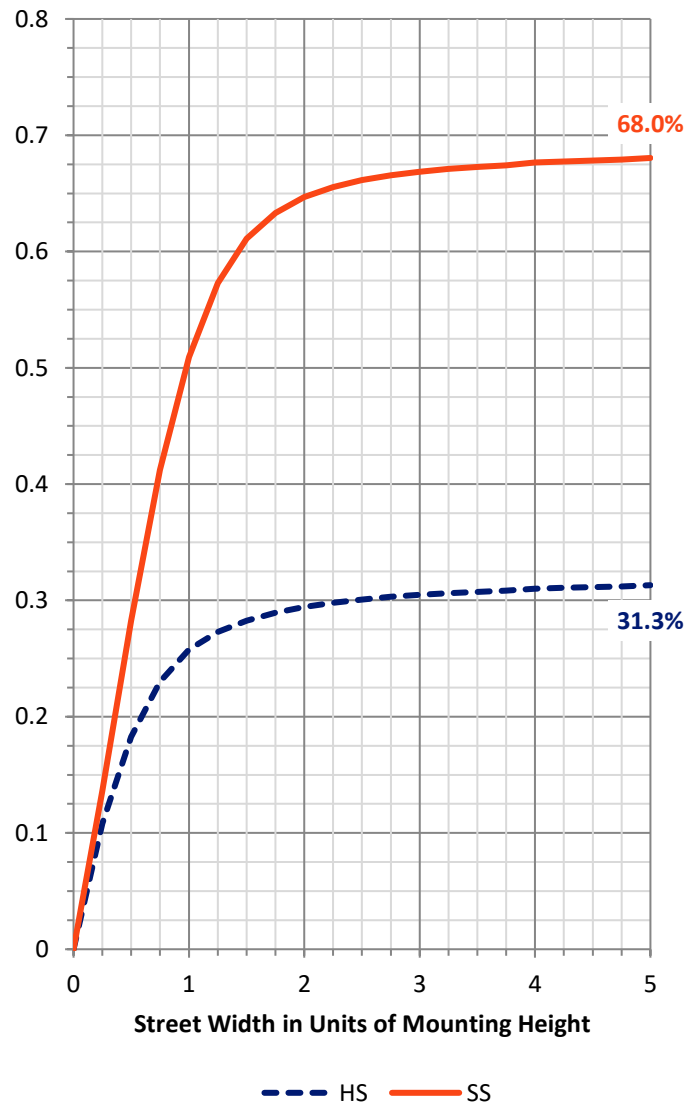
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4971.1	0.0	4971.1
	% Fixture	31.7	0.0	31.7
Street Side	Lumens	10702.3	0.0	10702.3
	% Fixture	68.3	0.0	68.3
Total	Lumens	15673.4	0.0	15673.4
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	279.7	1.8
10°-20°	858.3	5.5
20°-30°	1523.8	9.7
30°-40°	2270.2	14.5
40°-50°	2910.1	18.6
50°-60°	3269.2	20.9
60°-70°	2886.7	18.4
70°-80°	1380.1	8.8
80°-90°	295.2	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°	15673.4	100.0
0°-180°	15673.4	100.0

Coefficient of Utilization



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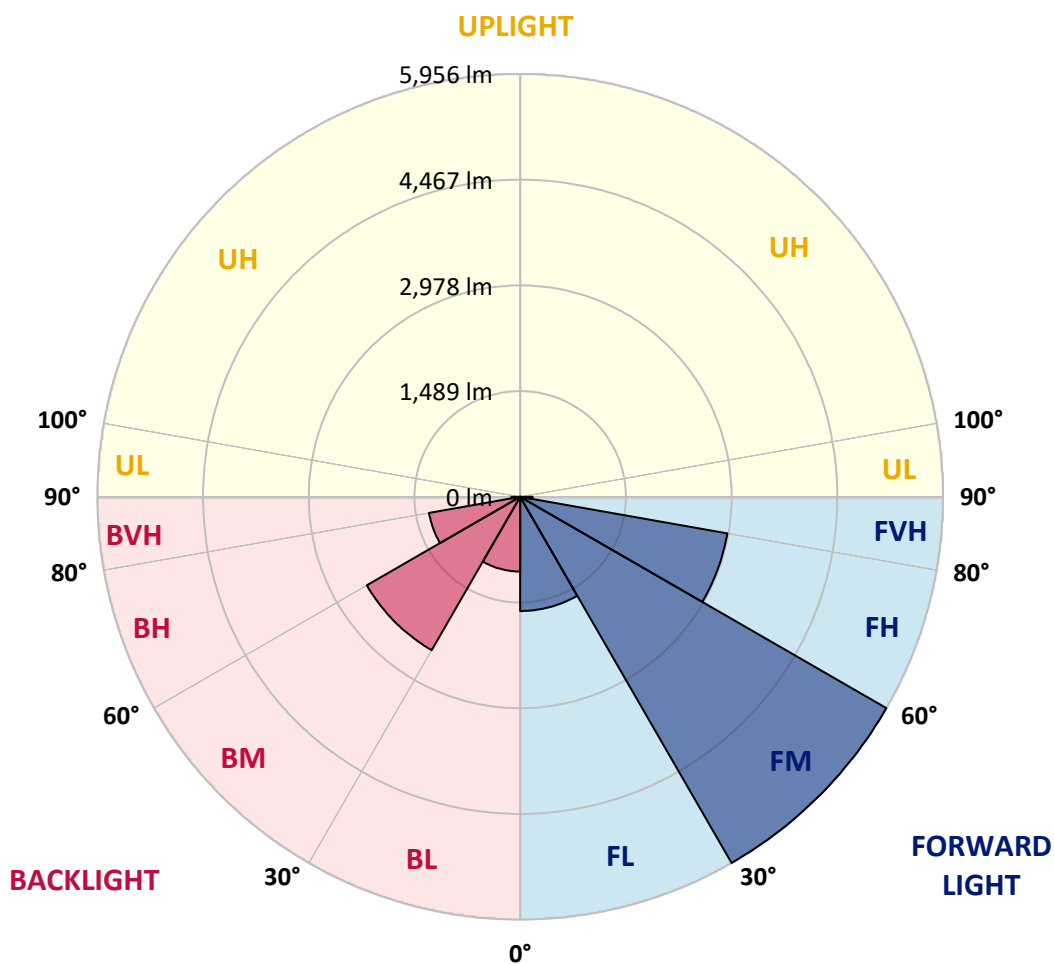
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1608.8	10.3			
FM	(30°-60°)	5956.5	38.0			
FH	(60°-80°)	2963.5	18.9			G2/5000
FVH	(80°-90°)	173.5	1.1			G2/225
BL	(0°-30°)	1053.1	6.7	B3/2500		
BM	(30°-60°)	2493.0	15.9	B2/2500		
BH	(60°-80°)	1303.3	8.3	B3/2500		G3/2500
BVH	(80°-90°)	121.6	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°	2926.2	2926.2	2926.2	2926.2	2926.2	2926.2	2926.2	2926.2	2926.2	2926.2	2926.2
2.5°	2996.9	3010.0	2997.6	2996.2	2991.1	2976.5	2977.2	2958.3	2944.4	2951.0	2932.8
5°	3109.8	3111.3	3104.7	3093.8	3074.8	3045.7	3019.5	2991.8	2959.0	2961.9	2933.5
7.5°	3259.9	3263.5	3238.7	3216.9	3179.0	3125.8	3080.7	3022.4	2972.8	2974.3	2927.7
10°	3426.7	3430.3	3409.2	3371.3	3310.1	3232.2	3148.4	3069.7	2994.0	2990.3	2922.6
12.5°	3615.3	3619.7	3603.7	3538.1	3458.0	3350.9	3239.5	3122.9	3023.1	3012.9	2930.6
15°	3826.6	3834.6	3796.0	3731.2	3627.0	3484.2	3341.4	3189.9	3056.6	3040.6	2938.6
17.5°	4131.8	4105.6	4077.9	3989.0	3832.4	3656.1	3455.1	3270.8	3100.3	3082.8	2952.4
20°	4441.4	4443.6	4415.2	4359.8	4169.0	3941.7	3634.3	3388.1	3169.5	3145.5	2996.2
22.5°	4418.1	4418.8	4432.0	4457.4	4436.3	4316.9	4034.9	3651.0	3326.9	3280.3	3080.7
25°	4495.3	4508.4	4499.7	4480.8	4388.2	4326.3	4265.1	3980.3	3558.5	3495.2	3239.5
27.5°	4678.9	4700.8	4686.9	4670.2	4564.5	4446.5	4267.3	4126.7	3795.3	3718.8	3417.9
30°	4876.3	4884.3	4864.7	4838.4	4761.9	4659.2	4488.8	4242.6	4037.1	3983.9	3671.4
32.5°	5024.2	5026.4	5016.9	5022.7	4944.8	4875.6	4756.1	4509.2	4316.9	4298.6	4088.1
35°	5133.5	5157.5	5150.2	5175.7	5129.1	5094.1	5030.0	4908.4	4602.4	4530.3	4209.8
37.5°	5240.5	5267.5	5289.3	5302.5	5258.8	5255.1	5243.5	5046.8	4482.9	4385.3	4019.6
40°	5274.1	5289.3	5380.4	5432.9	5365.8	5362.2	5338.2	5089.0	4716.0	4649.0	4276.1
42.5°	5239.1	5236.2	5344.7	5384.8	5421.2	5458.4	5505.0	5410.3	5109.4	5069.4	4662.1
45°	5017.6	4984.1	5042.4	5250.0	5376.0	5519.5	5717.0	5759.9	5563.2	5505.0	5086.8
47.5°	4734.3	4712.4	4785.3	5030.7	5254.4	5539.9	5886.7	6139.5	6020.0	5965.4	5577.1
50°	4288.4	4313.9	4465.5	4735.0	5056.2	5507.9	6023.6	6505.9	6540.1	6500.0	6071.0
52.5°	3705.7	3723.9	4047.3	4392.6	4783.1	5303.2	6083.4	6883.9	7081.4	7058.8	6575.8
55°	3081.4	3136.0	3368.4	3901.6	4370.8	5047.5	6041.8	7189.2	7653.2	7614.6	7106.1
57.5°	2550.3	2607.2	2767.4	3250.4	3883.4	4660.7	5887.4	7405.5	8163.9	8167.5	7601.5
60°	2072.5	2122.7	2240.7	2630.5	3311.6	4199.6	5578.5	7449.2	8576.2	8610.4	7960.6
62.5°	1735.9	1756.3	1867.8	2146.0	2736.8	3648.1	5145.8	7251.8	8779.4	8846.4	8125.2
63°	1686.4	1676.9	1802.2	2068.8	2584.6	3525.7	5056.2	7176.1	8780.1	8849.3	8124.5
65°	1431.4	1445.3	1526.1	1751.9	2175.9	3015.1	4541.9	6777.6	8607.5	8707.3	7941.7
67.5°	1122.6	1135.7	1246.4	1430.0	1731.5	2444.7	3863.8	6073.9	8022.5	8112.1	7320.3
70°	890.2	896.0	966.7	1133.5	1406.7	1904.9	3036.2	5090.5	6952.4	7022.4	6201.4
72.5°	721.9	740.8	787.5	888.7	1065.7	1447.4	2291.0	4014.5	5489.7	5384.8	4559.4
75°	605.4	611.2	657.8	708.1	799.8	1042.4	1652.9	2959.7	3742.8	3734.8	2971.4
77.5°	511.4	523.0	534.0	558.0	610.4	741.6	1161.2	2055.7	2383.5	2342.7	1713.3
80°	431.2	435.6	431.2	435.6	455.3	501.9	754.0	1346.2	1519.6	1413.2	1042.4
82.5°	300.9	322.7	325.6	340.2	347.5	367.1	504.1	877.1	967.4	869.8	614.1
85°	178.5	176.3	185.0	209.8	233.8	231.7	319.8	438.5	521.6	485.2	295.0
87.5°	63.4	59.7	59.7	73.6	79.4	86.0	104.9	137.0	129.7	130.4	73.6
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°	2926.2	2926.2	2926.2	2926.2	2926.2	2926.2	2926.2	2926.2	2926.2	2926.2	2926.2
2.5°	2923.3	2910.9	2905.1	2894.9	2878.9	2870.1	2862.1	2851.2	2847.6	2838.1	2836.6
5°	2913.1	2900.7	2876.7	2850.5	2828.6	2811.9	2781.3	2763.0	2746.3	2743.4	2747.8
7.5°	2897.1	2881.8	2843.9	2806.0	2763.0	2734.6	2695.3	2669.8	2655.2	2652.3	2658.2
10°	2890.5	2862.8	2807.5	2753.6	2699.7	2655.2	2612.3	2580.2	2559.1	2556.2	2549.6
12.5°	2884.0	2849.0	2773.2	2705.5	2628.3	2576.6	2529.9	2503.7	2481.9	2478.9	2477.5
15°	2881.1	2836.6	2738.3	2647.2	2562.0	2500.1	2453.5	2432.3	2425.8	2421.4	2423.6
17.5°	2885.4	2827.9	2707.7	2588.2	2490.6	2428.0	2391.5	2377.7	2375.5	2377.0	2382.1
20°	2908.7	2834.4	2682.2	2538.7	2428.0	2363.9	2336.9	2329.6	2329.6	2337.6	2342.7
22.5°	2961.2	2869.4	2669.1	2498.6	2375.5	2315.8	2284.5	2275.7	2285.2	2299.7	2303.4
25°	3099.6	2970.7	2695.3	2476.0	2334.7	2263.3	2229.8	2228.4	2238.6	2251.7	2253.1
27.5°	3257.7	3097.4	2756.5	2472.4	2296.8	2209.4	2173.7	2169.4	2174.5	2187.6	2187.6
30°	3474.8	3266.4	2849.0	2498.6	2270.6	2150.4	2108.2	2094.3	2100.2	2116.9	2111.8
32.5°	3818.6	3535.9	2992.5	2544.5	2246.6	2091.4	2035.3	2023.7	2023.7	2036.8	2042.6
35°	3984.7	3735.5	3064.6	2527.0	2192.7	2022.9	1955.9	1939.2	1961.0	1985.8	1989.4
37.5°	3815.7	3561.4	2963.4	2450.5	2116.2	1942.1	1878.0	1864.1	1883.1	1907.1	1910.0
40°	4018.2	3723.2	3041.3	2452.7	2068.1	1866.3	1791.3	1746.8	1749.8	1768.7	1764.3
42.5°	4358.4	4000.0	3156.4	2462.9	2009.8	1784.0	1672.5	1595.3	1584.4	1587.3	1591.7
45°	4748.1	4311.8	3292.6	2465.1	1935.5	1682.7	1526.9	1431.4	1404.5	1388.4	1384.1
47.5°	5164.8	4645.4	3441.2	2460.0	1840.1	1552.3	1379.0	1283.5	1231.8	1207.8	1210.0
50°	5616.4	4990.7	3573.8	2436.0	1738.1	1413.9	1239.1	1145.9	1087.6	1073.8	1067.2
52.5°	6044.0	5329.4	3701.3	2401.0	1623.7	1272.6	1107.3	1027.1	978.3	965.2	962.3
55°	6496.4	5666.0	3808.4	2340.5	1494.8	1139.3	991.4	937.5	903.3	894.5	896.0
57.5°	6883.9	5962.4	3865.9	2252.4	1371.0	1021.3	906.9	871.2	850.1	854.5	857.4
60°	7172.4	6111.8	3854.3	2125.6	1244.9	925.1	837.7	818.8	818.8	854.5	865.4
62.5°	7216.9	6081.9	3737.0	1943.5	1108.0	844.3	778.0	759.8	778.0	821.7	830.4
63°	7190.6	6032.4	3706.4	1884.5	1086.9	826.8	764.9	747.4	772.2	807.1	807.1
65°	6932.0	5768.7	3434.7	1687.8	975.4	769.3	719.0	710.2	744.5	767.8	771.4
67.5°	6299.0	5228.9	2969.9	1397.2	858.9	703.7	658.5	673.8	699.3	717.5	723.4
70°	5294.4	4331.4	2376.2	1124.0	748.9	635.2	609.7	619.2	642.5	658.5	664.4
72.5°	3852.8	3264.2	1782.5	897.5	652.0	568.9	555.1	554.4	569.7	575.5	584.2
75°	2497.9	2184.7	1301.8	724.1	556.5	501.2	485.9	481.5	510.7	522.3	534.0
77.5°	1489.0	1353.5	929.5	595.2	474.2	411.6	420.3	420.3	450.2	486.6	503.4
80°	900.4	827.5	689.1	493.9	373.0	336.5	345.3	350.4	423.2	493.2	499.7
82.5°	542.7	533.2	511.4	382.4	289.2	257.1	274.6	308.1	398.5	305.2	351.8
85°	267.3	287.7	328.5	213.4	179.9	175.6	184.3	272.4	263.7	121.7	114.4
87.5°	68.5	81.6	77.2	56.8	48.8	45.2	61.2	102.0	83.8	29.1	17.5
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

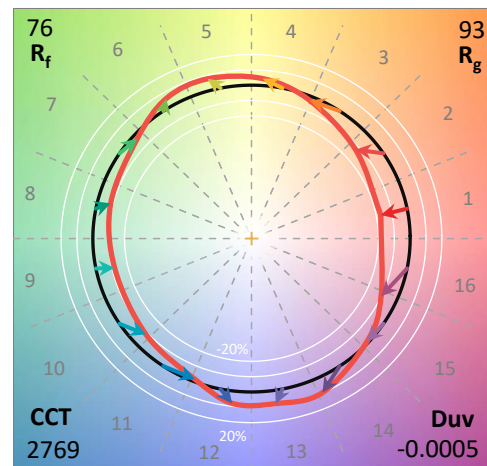
Data in this report applies to families of products including GKO-PB1E-727-U-T4W

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	CRI (Ra):	71.7		
CIE u':	0.2596	R1:	68.0	R9:	-34.5
CIE v':	0.5253	R2:	84.0	R10:	64.3
Duv:	-0.0005	R3:	94.6	R11:	60.9
CIE x:	0.4535	R4:	65.9	R12:	54.4
CIE y:	0.4078	R5:	67.3	R13:	71.2
CIE z:	0.1387	R6:	78.7	R14:	97.6
Peak Wavelength (nm):	597	R7:	75.2	R15:	59.5
Dominant Wavelength (nm):	584	R8:	39.8		
Purity:	58.54014				
Rf:	75.7				
Rg:	93.2				



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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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	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



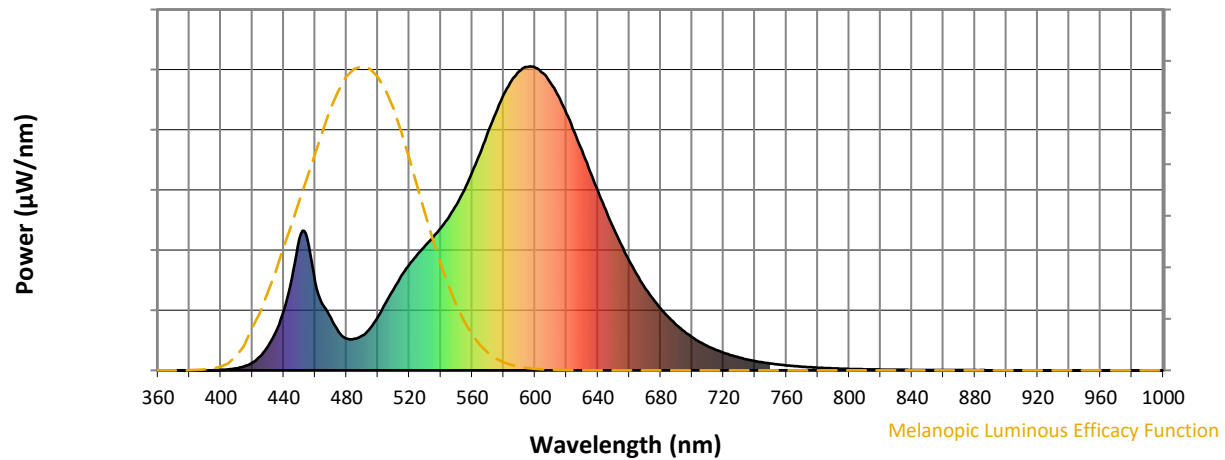
Scotopic Lumens: NR

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

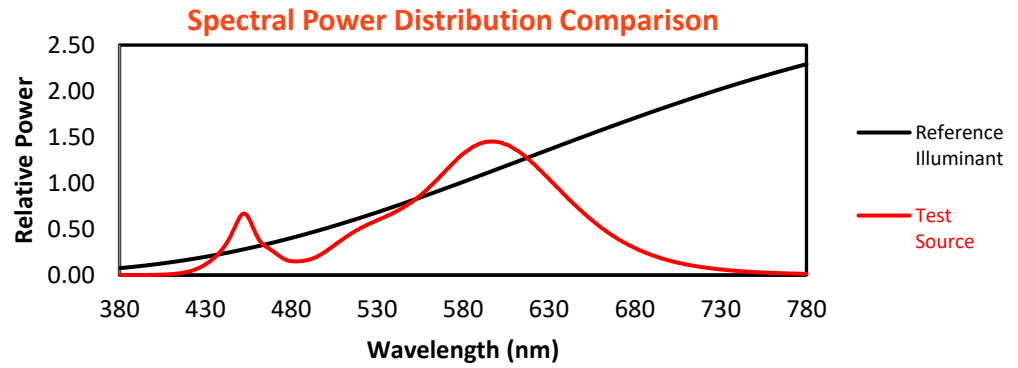
λ (nm)	Power $\text{W}^{\wedge}/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^{\wedge}/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^{\wedge}/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^{\wedge}/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^{\wedge}/\text{nm}$	Lumens (ϕ/nm)
360	0	NR	490	114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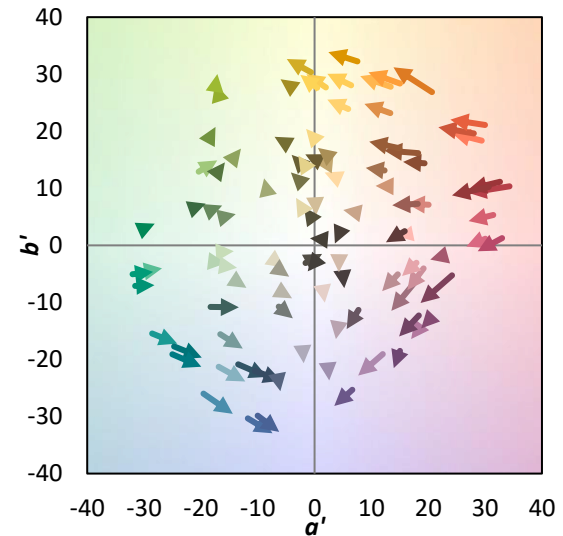
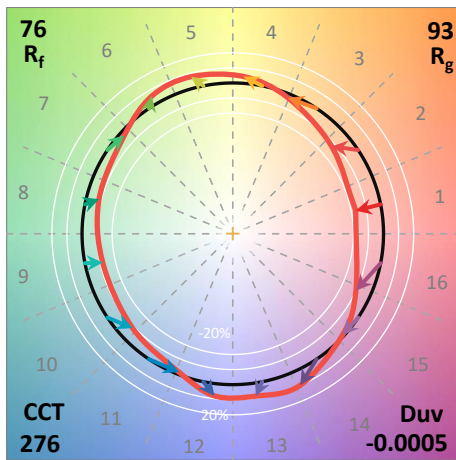
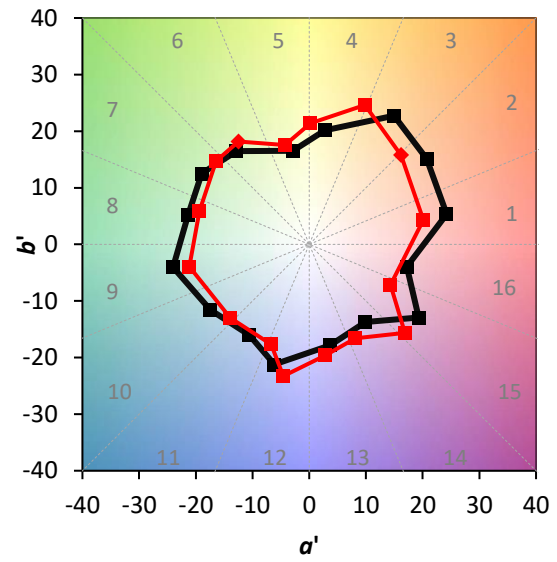
TM-30-18

Summary

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

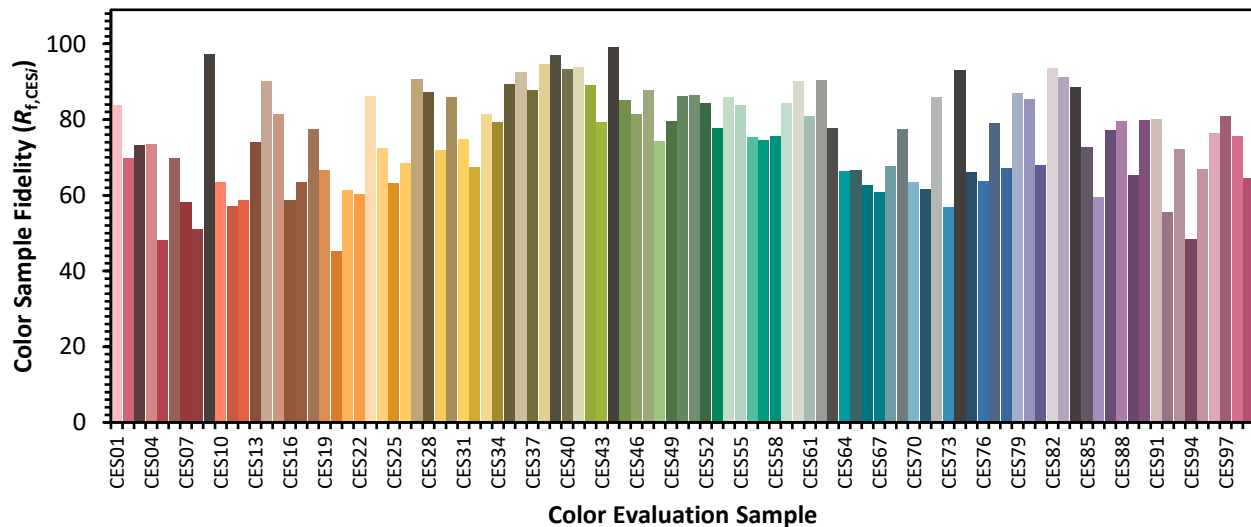


Color Vector Graphics

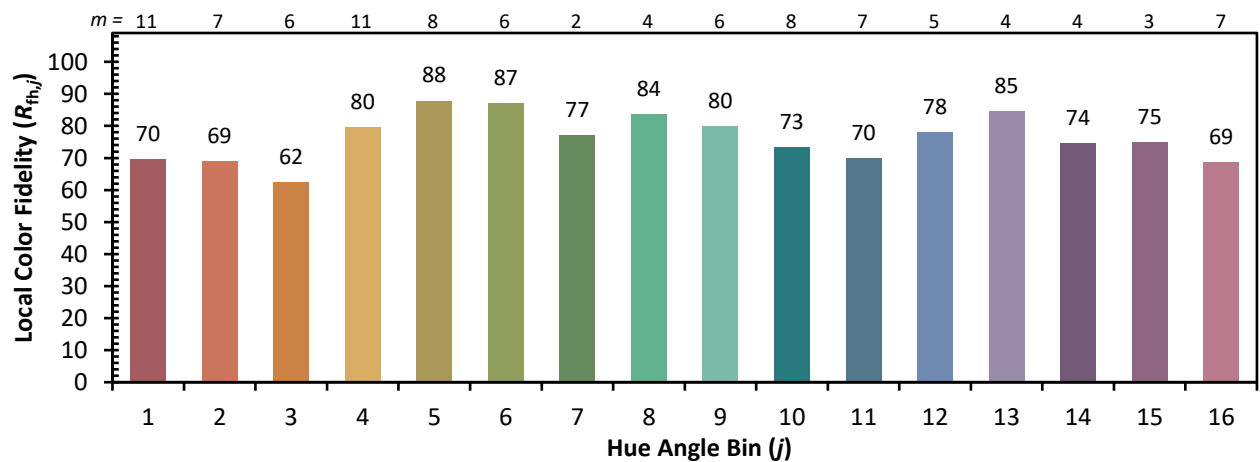
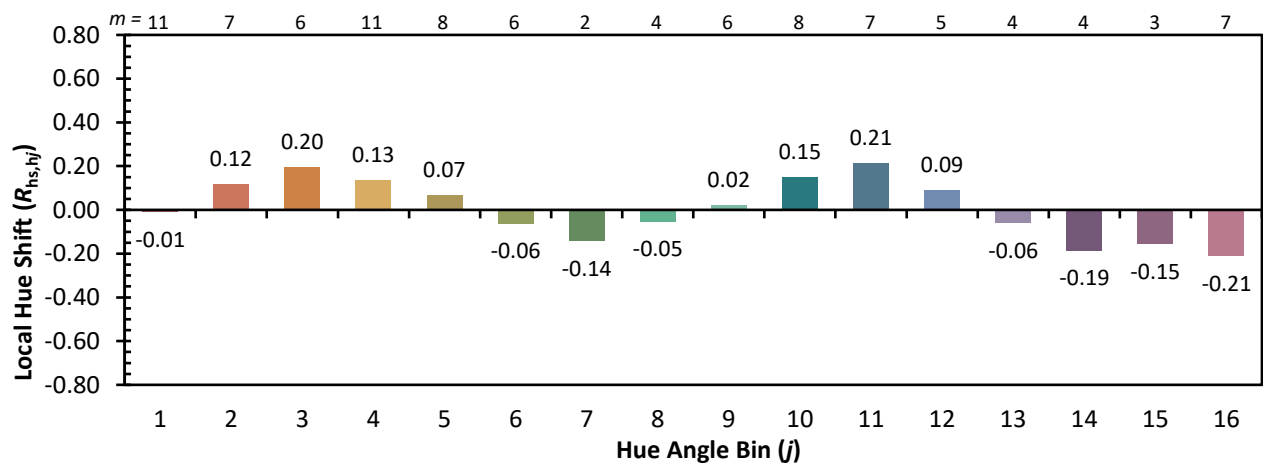


Individual Sample Fidelity Index ($R_{f,i}$)

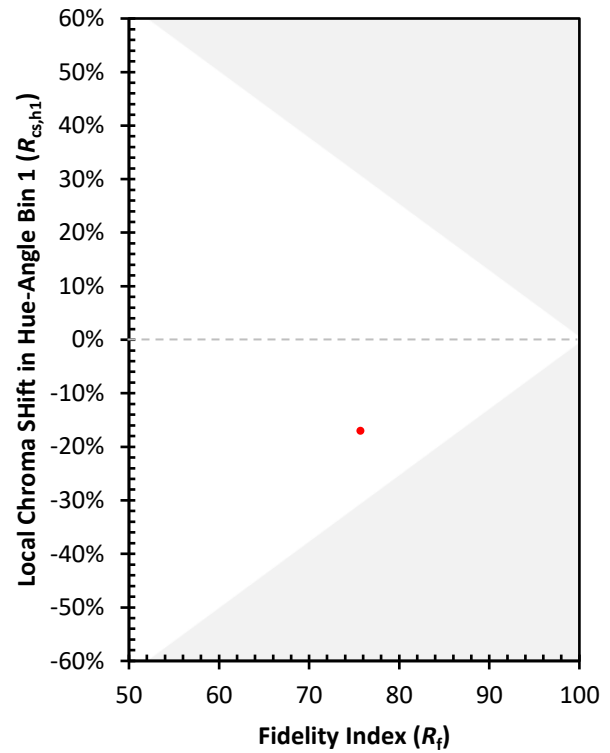
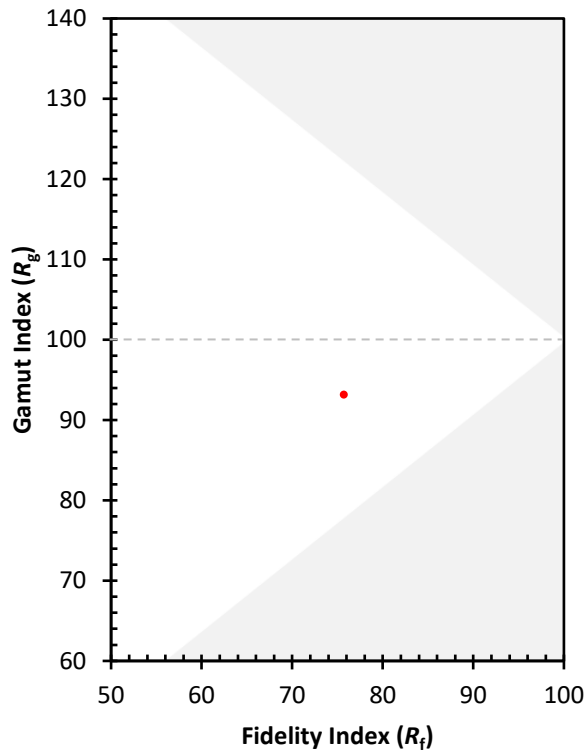
CES01 = 86	CES26 = 68	CES51 = 87	CES76 = 64
CES02 = 63	CES27 = 91	CES52 = 84	CES77 = 79
CES03 = 31	CES28 = 87	CES53 = 78	CES78 = 67
CES04 = 71	CES29 = 72	CES54 = 86	CES79 = 87
CES05 = 50	CES30 = 86	CES55 = 84	CES80 = 85
CES06 = 52	CES31 = 75	CES56 = 75	CES81 = 68
CES07 = 42	CES32 = 67	CES57 = 74	CES82 = 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)