

Signify Classified - Internal
Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269



Scaled data based on original data using
LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-
State Lighting Products

Test Report Prepared for
Cooper Lighting Solutions
(formerly Eaton)

Brand: McGRAW-EDISON

Report Number: P972257

Luminaire Tested: **GKO-PB2E-727-U-T3**

Issue Date: 02/27/2025



Test Information

Test Method: LM-79-08
Report Number: P972257
Test Lab: INNOVATION CENTER(G1)
Issue Date: 02/27/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: MCGRAW-EDISON
Catalog Number: GKO-PB2E-727-U-T3
Description: GEKKO WALL PACK 12000LM PACKAGE 70CRI 2700K FIXTURE w/ TYPE III DISTRIBUTION OPTIC
Light Source: (20) 2700K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 11763.5 lumens
Efficiency: N/A
Efficacy: 112.4 lumens/watt
Luminous Opening: Rectangular (W 0.67' x L: 0.33' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B2 - U0 - G2

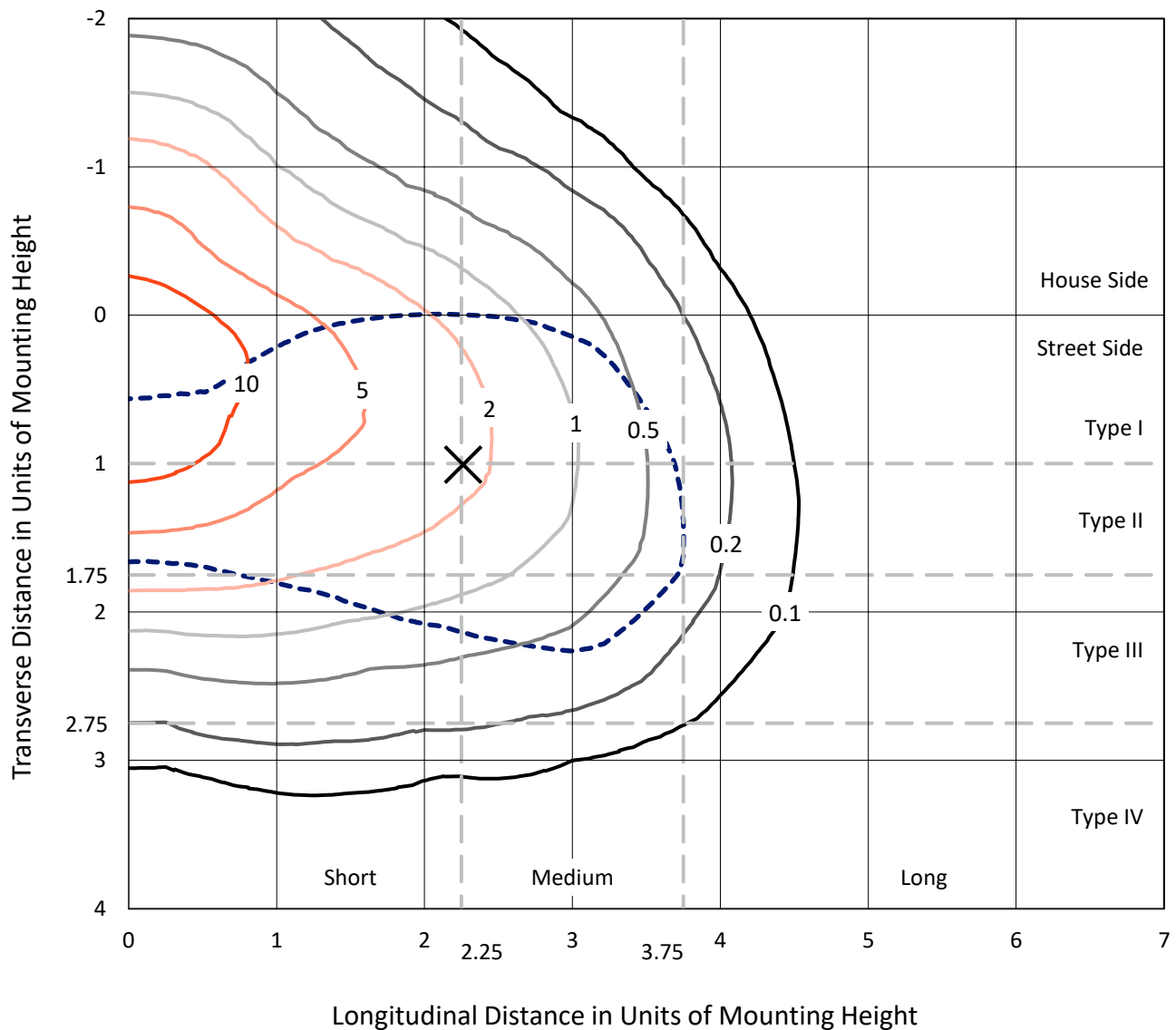
Input Watts (W): 104.7
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: 0.97
Total Harmonic Distortion (THDi): 6%
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT

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Iso-Footcandle Lines of Horizontal Illumination

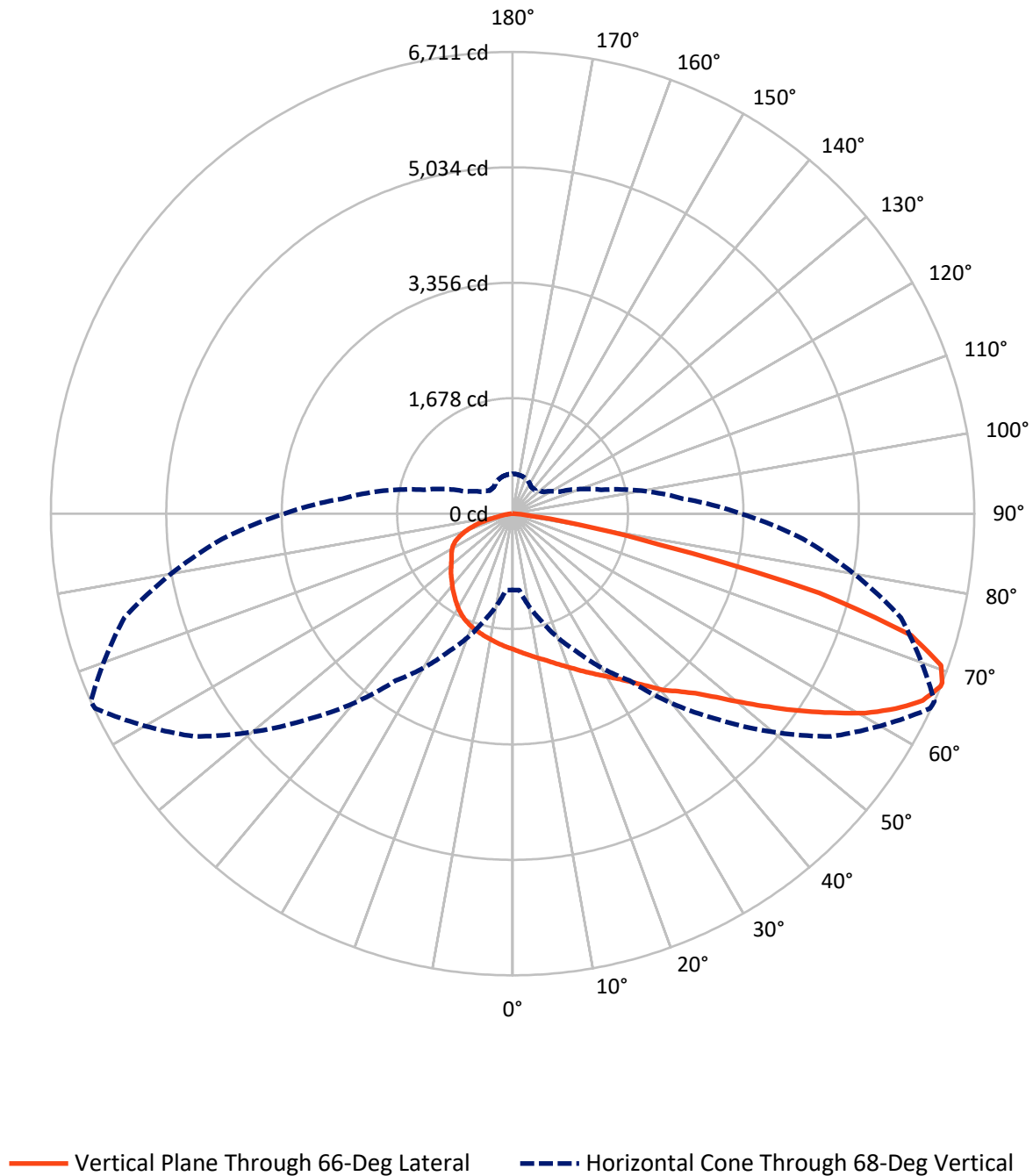
× Max cd
- - - 1/2 Max cd



Based on 12 foot mounting height. Maximum calculated value = 15.8 fc
Type III - Medium - N/A

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Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3011.6	0.0	3011.6
	% Fixture	25.6	0.0	25.6
Street Side	Lumens	8751.8	0.0	8751.8
	% Fixture	74.4	0.0	74.4
Total	Lumens	11763.5	0.0	11763.5
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	189.3	1.6
10°-20°	568.9	4.8
20°-30°	980.4	8.3
30°-40°	1520.8	12.9
40°-50°	2083.4	17.7
50°-60°	2485.3	21.1
60°-70°	2490.3	21.2
70°-80°	1317.9	11.2
80°-90°	127.2	1.1
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°	11763.5	100.0
0°-180°	11763.5	100.0



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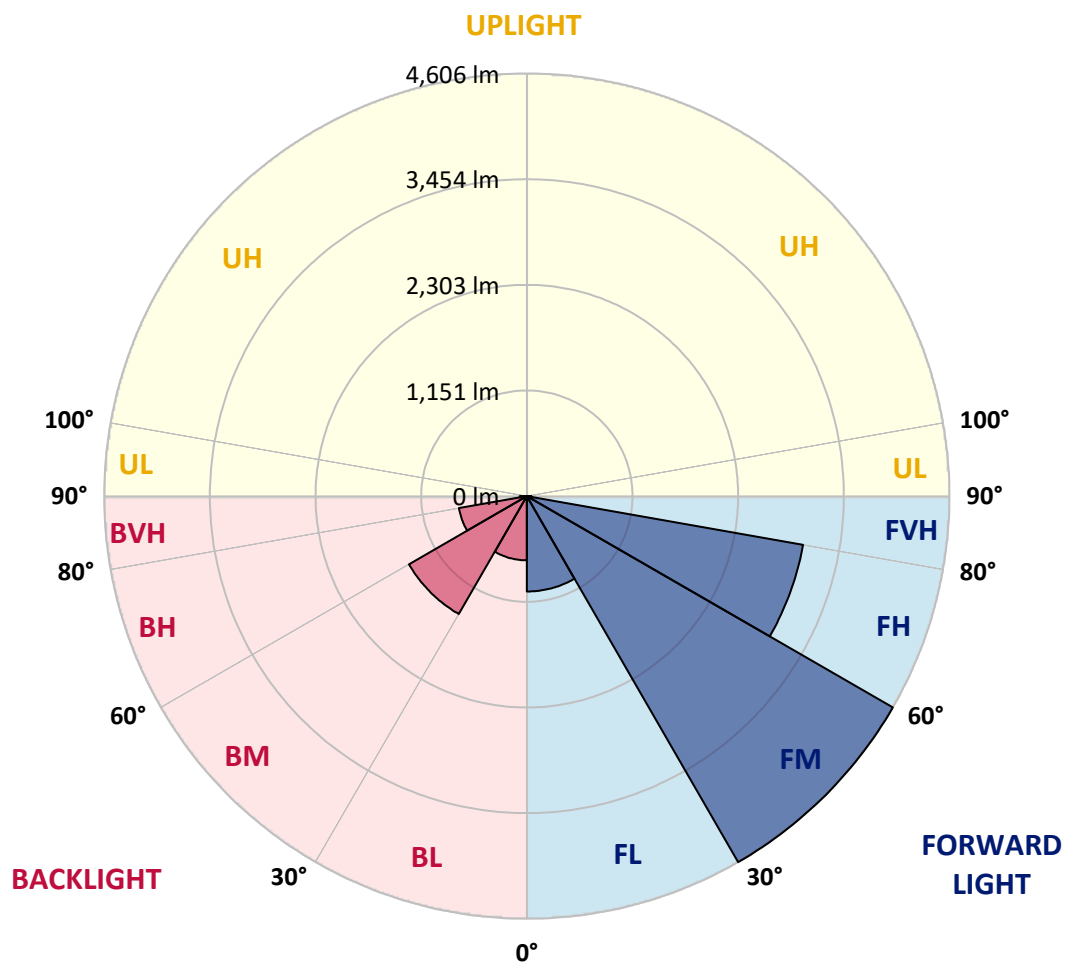
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1039.1	8.8			
FM	(30°-60°)	4606.0	39.2			
FH	(60°-80°)	3056.8	26.0			G2/5000
FVH	(80°-90°)	50.0	0.4			G1/100
BL	(0°-30°)	699.5	5.9	B2/1000		
BM	(30°-60°)	1483.5	12.6	B2/2500		
BH	(60°-80°)	751.4	6.4	B2/1000		G2/1000
BVH	(80°-90°)	77.2	0.7			G1/100
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 Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	66°	75°	85°
0°	1973.0	1973.0	1973.0	1973.0	1973.0	1973.0	1973.0	1973.0	1973.0	1973.0	1973.0
2.5°	2055.2	2055.2	2050.6	2048.3	2046.1	2032.4	2023.2	2011.8	2011.8	1993.5	1977.6
5°	2126.0	2128.3	2119.1	2119.1	2110.0	2091.7	2073.5	2050.6	2050.6	2023.2	1991.3
7.5°	2187.6	2194.5	2185.4	2185.4	2176.2	2155.7	2126.0	2094.0	2094.0	2055.2	2009.5
10°	2247.0	2251.6	2247.0	2251.6	2237.9	2219.6	2185.4	2142.0	2139.7	2091.7	2027.8
12.5°	2295.0	2299.5	2301.8	2308.7	2297.3	2283.6	2251.6	2196.8	2189.9	2132.8	2050.6
15°	2340.6	2345.2	2352.1	2361.2	2358.9	2347.5	2317.8	2256.2	2251.6	2178.5	2080.3
17.5°	2377.2	2379.5	2393.2	2411.4	2416.0	2418.3	2386.3	2322.4	2317.8	2231.0	2112.3
20°	2429.7	2434.3	2448.0	2466.2	2479.9	2489.1	2464.0	2393.2	2388.6	2292.7	2153.4
22.5°	2548.4	2541.6	2548.4	2548.4	2555.3	2569.0	2550.7	2479.9	2470.8	2365.8	2203.6
25°	2772.2	2765.4	2747.1	2706.0	2660.3	2658.1	2637.5	2569.0	2557.6	2441.1	2251.6
27.5°	3085.1	3069.1	3034.8	2948.1	2838.5	2767.7	2735.7	2664.9	2651.2	2516.5	2297.3
30°	3416.2	3434.5	3377.4	3258.6	3057.7	2907.0	2845.3	2765.4	2754.0	2601.0	2352.1
32.5°	3802.1	3804.4	3747.3	3582.9	3322.6	3082.8	2977.8	2879.6	2870.4	2699.2	2425.1
35°	4025.9	4035.0	4009.9	3856.9	3560.1	3276.9	3137.6	3018.9	3012.0	2822.5	2516.5
37.5°	4258.8	4279.4	4240.6	4071.6	3740.5	3457.3	3315.7	3185.6	3178.7	2964.1	2630.7
40°	4603.6	4594.5	4553.4	4304.5	3909.4	3608.0	3491.6	3388.8	3372.8	3137.6	2747.1
42.5°	4852.6	4875.4	4786.3	4505.5	4094.4	3758.7	3667.4	3550.9	3530.4	3242.6	2815.6
45°	4937.0	4916.5	4818.3	4612.8	4336.5	3895.7	3834.1	3745.0	3724.5	3427.6	2950.4
47.5°	4955.3	4918.8	4832.0	4676.7	4542.0	4073.9	4037.3	4016.8	3987.1	3660.5	3112.5
50°	4843.4	4818.3	4777.2	4699.6	4674.4	4240.6	4258.8	4334.2	4309.1	3911.7	3292.9
52.5°	4589.9	4578.5	4615.1	4665.3	4599.1	4384.4	4521.4	4674.4	4665.3	4188.0	3487.0
55°	4112.7	4112.7	4318.2	4494.0	4532.9	4478.1	4804.6	5067.2	5055.8	4498.6	3672.0
57.5°	3676.5	3683.4	3854.6	4249.7	4414.1	4578.5	5119.7	5478.3	5460.0	4848.0	3866.1
60°	3126.2	3126.2	3386.5	3882.0	4242.8	4656.2	5398.3	5875.6	5887.0	5186.0	4057.9
62.5°	2475.4	2482.2	2843.0	3425.3	3996.2	4669.9	5619.8	6250.1	6247.8	5492.0	4206.3
65°	1824.6	1826.8	2317.8	2918.4	3626.3	4574.0	5740.9	6537.8	6551.5	5734.0	4293.1
67.5°	1185.2	1208.0	1705.8	2368.0	3103.4	4302.2	5676.9	6690.8	6706.8	5845.9	4265.7
68°	1109.8	1114.4	1614.5	2217.3	2961.8	4233.7	5647.2	6697.7	6711.4	5843.6	4238.3
70°	719.3	719.3	1155.5	1730.9	2363.5	3806.7	5389.2	6590.3	6606.3	5743.1	4039.6
72.5°	388.2	395.1	659.9	1048.2	1614.5	2945.8	4864.0	6030.9	6058.3	5192.8	3532.7
75°	271.7	276.3	383.6	586.9	879.2	1918.2	3802.1	4608.2	4603.6	3587.5	2212.8
77.5°	196.4	196.4	219.2	365.4	461.3	876.9	1881.7	2219.6	2194.5	1751.5	1116.7
80°	127.9	127.9	137.0	191.8	221.5	267.2	575.5	961.4	979.6	854.0	557.2
82.5°	52.5	54.8	59.4	77.6	79.9	111.9	164.4	276.3	267.2	216.9	157.6
85°	6.9	6.9	9.1	11.4	13.7	25.1	22.8	22.8	22.8	27.4	25.1
87.5°	0.0	0.0	0.0	0.0	0.0	2.3	4.6	6.9	6.9	9.1	6.9
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°	1973.0	1973.0	1973.0	1973.0	1973.0	1973.0	1973.0	1973.0	1973.0	1973.0	1973.0
2.5°	1973.0	1973.0	1959.3	1945.6	1931.9	1920.5	1904.5	1893.1	1895.4	1902.2	1899.9
5°	1984.4	1973.0	1945.6	1915.9	1893.1	1872.5	1842.8	1826.8	1824.6	1829.1	1826.8
7.5°	1991.3	1973.0	1931.9	1886.2	1849.7	1822.3	1781.2	1765.2	1758.3	1760.6	1760.6
10°	2005.0	1975.3	1918.2	1854.2	1808.6	1769.8	1726.4	1703.5	1696.7	1696.7	1694.4
12.5°	2020.9	1979.8	1904.5	1826.8	1767.5	1721.8	1671.6	1646.4	1639.6	1639.6	1637.3
15°	2036.9	1986.7	1890.8	1797.2	1728.7	1673.8	1625.9	1596.2	1587.1	1587.1	1591.6
17.5°	2057.5	1993.5	1877.1	1769.8	1687.5	1625.9	1575.7	1546.0	1534.5	1541.4	1546.0
20°	2078.0	2007.2	1863.4	1740.1	1646.4	1582.5	1532.3	1502.6	1491.2	1502.6	1504.9
22.5°	2107.7	2018.7	1847.4	1705.8	1605.3	1534.5	1488.9	1461.5	1454.6	1466.0	1475.2
25°	2137.4	2032.4	1826.8	1669.3	1552.8	1484.3	1447.8	1427.2	1429.5	1445.5	1454.6
27.5°	2169.4	2043.8	1806.3	1623.6	1495.7	1431.8	1404.4	1399.8	1409.0	1427.2	1438.6
30°	2208.2	2059.8	1778.9	1571.1	1431.8	1374.7	1363.3	1377.0	1393.0	1411.2	1422.7
32.5°	2258.4	2080.3	1751.5	1511.7	1365.6	1313.0	1331.3	1361.0	1379.3	1397.5	1409.0
35°	2329.2	2121.4	1735.5	1452.3	1294.8	1260.5	1301.6	1349.6	1363.3	1374.7	1388.4
37.5°	2411.4	2176.2	1728.7	1397.5	1230.8	1214.9	1271.9	1329.0	1333.6	1338.2	1351.9
40°	2491.4	2217.3	1710.4	1338.2	1164.6	1164.6	1235.4	1290.2	1287.9	1281.1	1290.2
42.5°	2523.3	2212.8	1657.9	1281.1	1112.1	1114.4	1178.3	1230.8	1217.1	1217.1	1230.8
45°	2614.7	2249.3	1619.0	1235.4	1064.1	1055.0	1105.2	1146.3	1169.2	1198.9	1212.6
47.5°	2731.1	2299.5	1589.4	1182.9	1018.5	988.8	1016.2	1084.7	1123.5	1155.5	1166.9
50°	2852.2	2356.6	1562.0	1128.1	972.8	913.4	927.1	1002.5	1036.7	1052.7	1059.6
52.5°	2975.5	2409.2	1541.4	1082.4	920.3	824.4	854.0	924.8	950.0	959.1	963.7
55°	3085.1	2452.5	1523.1	1043.6	860.9	753.6	776.4	849.5	867.8	876.9	883.7
57.5°	3201.5	2500.5	1511.7	1007.0	794.7	691.9	707.9	774.1	799.2	808.4	815.2
60°	3304.3	2546.2	1502.6	968.2	733.0	637.1	646.2	710.2	737.6	742.2	749.0
62.5°	3372.8	2575.9	1488.9	920.3	675.9	584.6	586.9	648.5	678.2	682.8	687.4
65°	3391.1	2569.0	1447.8	856.3	618.8	532.1	532.1	591.4	623.4	639.4	646.2
67.5°	3336.3	2511.9	1361.0	774.1	564.0	484.1	484.1	536.6	570.9	589.2	596.0
68°	3318.0	2486.8	1333.6	753.6	550.3	472.7	472.7	527.5	559.5	575.5	580.0
70°	3162.7	2363.5	1208.0	675.9	506.9	438.4	438.4	486.4	520.7	520.7	518.4
72.5°	2747.1	2048.3	993.3	566.3	443.0	388.2	395.1	440.7	452.1	463.6	461.3
75°	1701.2	1226.3	666.8	447.6	372.2	340.2	354.0	395.1	401.9	427.0	420.2
77.5°	851.8	600.6	354.0	260.3	287.7	292.3	317.4	347.1	367.7	395.1	376.8
80°	420.2	292.3	207.8	162.1	169.0	214.7	276.3	299.1	335.7	354.0	338.0
82.5°	116.5	89.1	84.5	89.1	125.6	166.7	216.9	264.9	312.8	328.8	306.0
85°	20.6	16.0	13.7	43.4	86.8	123.3	175.8	235.2	280.9	269.5	253.5
87.5°	6.9	4.6	4.6	27.4	63.9	100.5	150.7	210.1	239.8	216.9	194.1
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

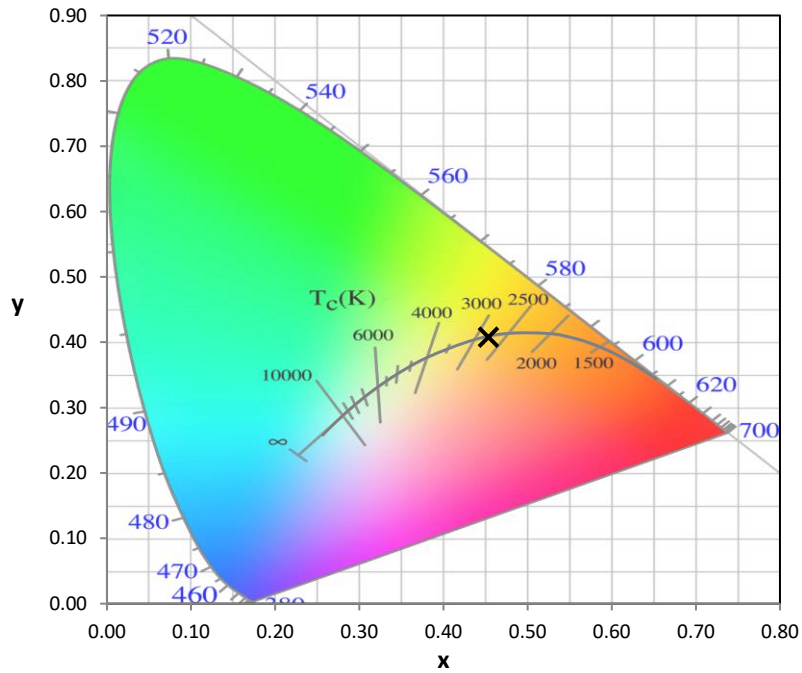
Stabilization Time: 36M
 Operation Time: 1H 36M
 Sphere Temperature (°C): 25.0

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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

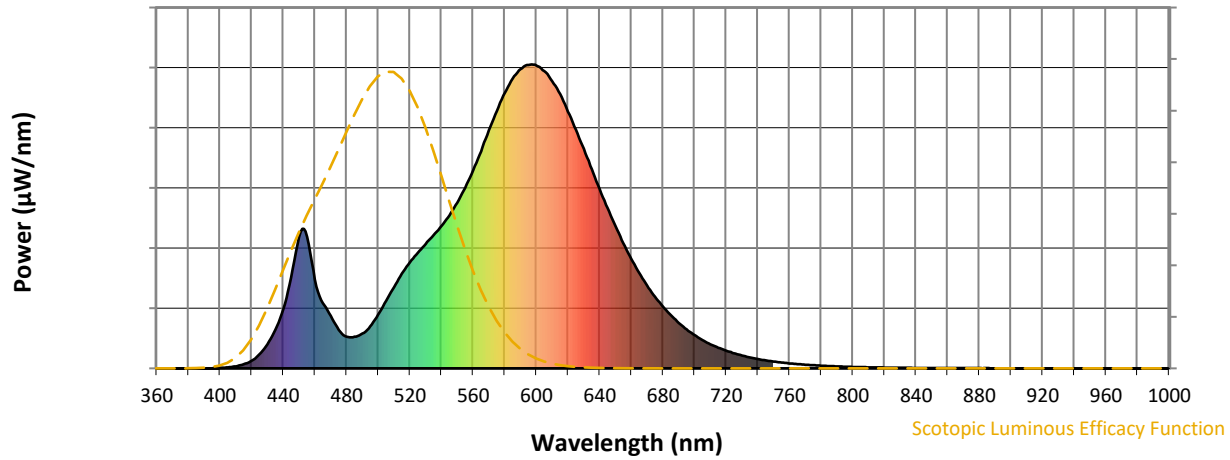


Photopic Lumens: NR

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

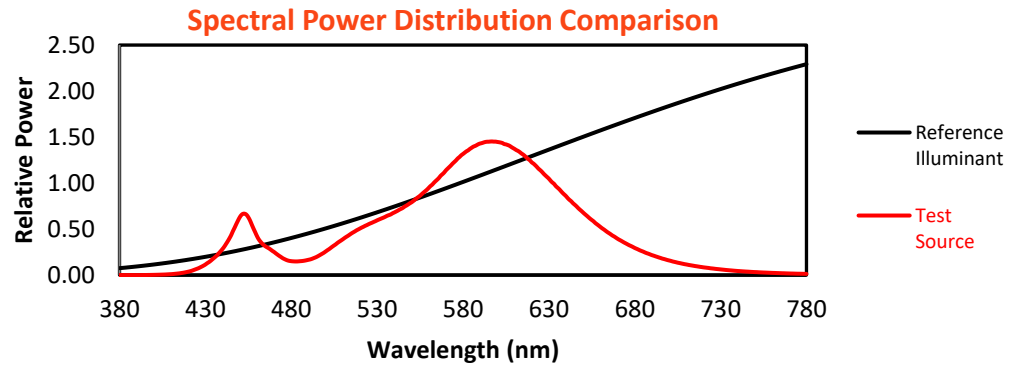
λ (nm)	Power W ^λ /nm	Lumens (φ/nm)	λ (nm)	Power W ^λ /nm	Lumens (φ/nm)	λ (nm)	Power W ^λ /nm	Lumens (φ/nm)	λ (nm)	Power W ^λ /nm	Lumens (φ/nm)	λ (nm)	Power W ^λ /nm	Lumens (φ/nm)
360	0	NR	490	114	NR	620	844	NR	750	22	NR	880	1	NR
365	0	NR	495	138	NR	625	785	NR	755	19	NR	885	1	NR
370	0	NR	500	176	NR	630	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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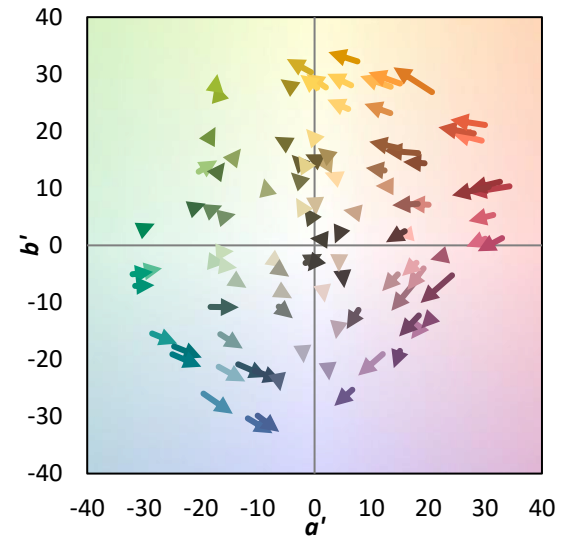
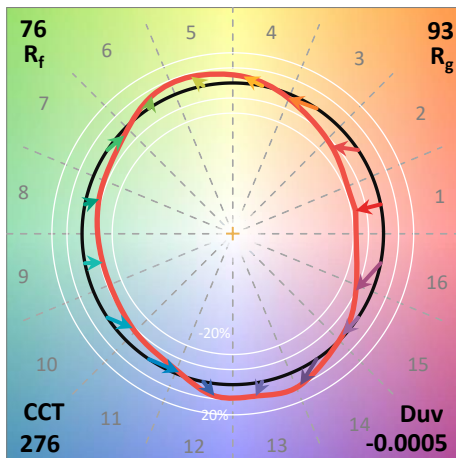
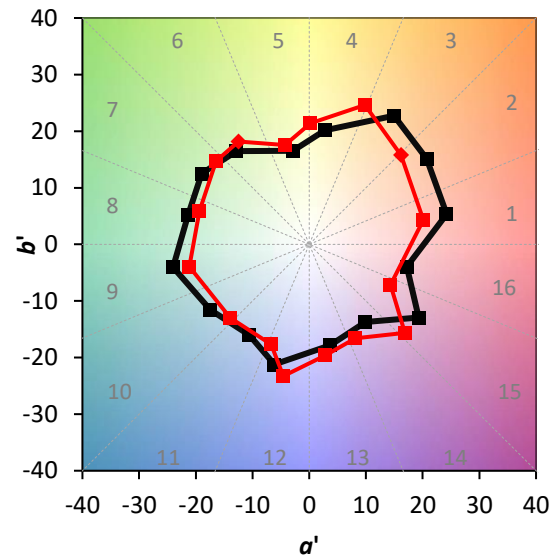
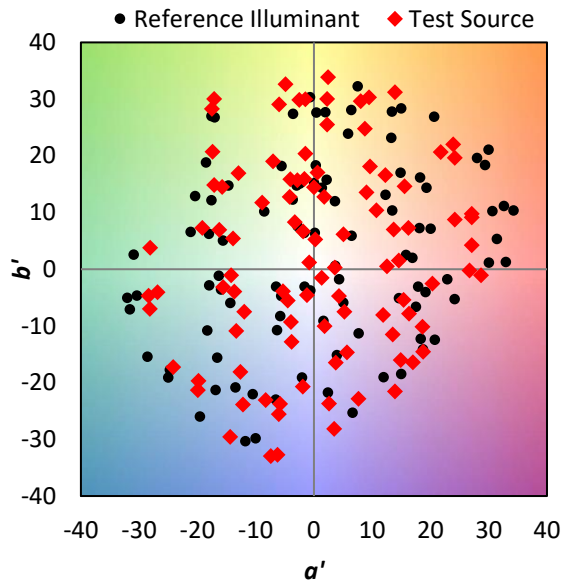
TM-30-18

Summary

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

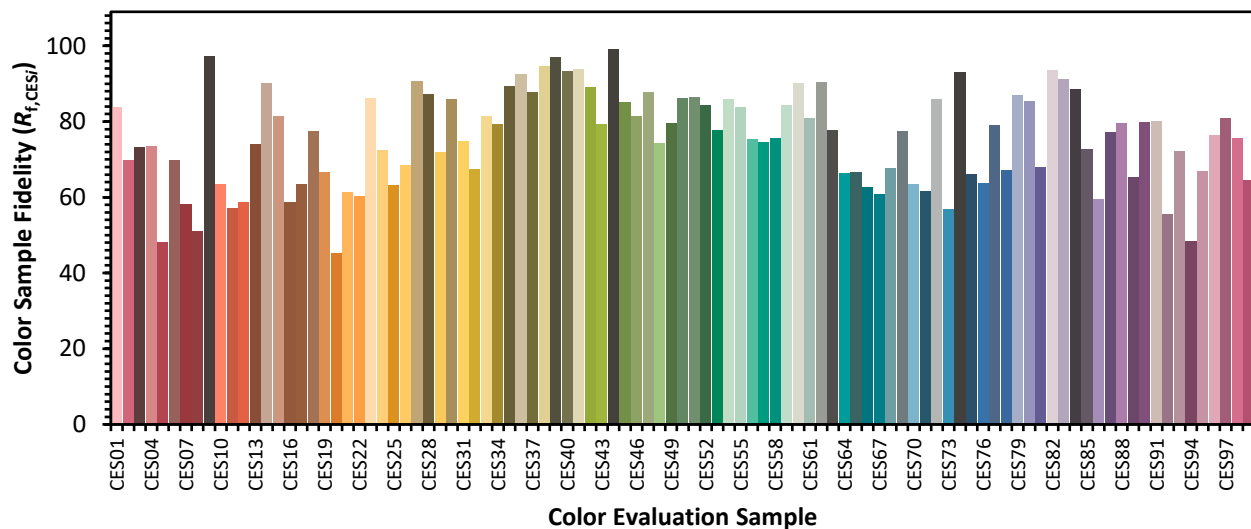


Color Vector Graphics

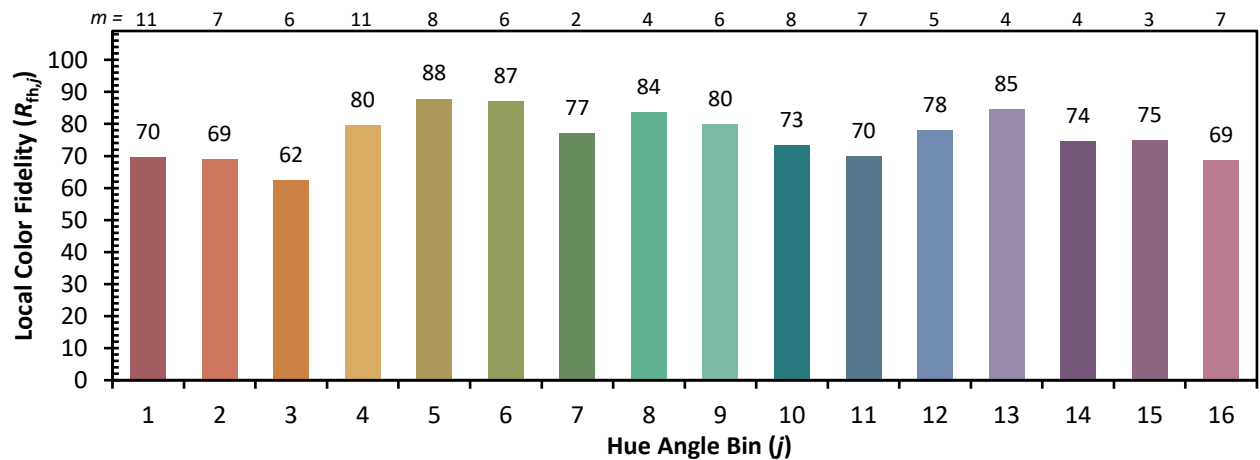
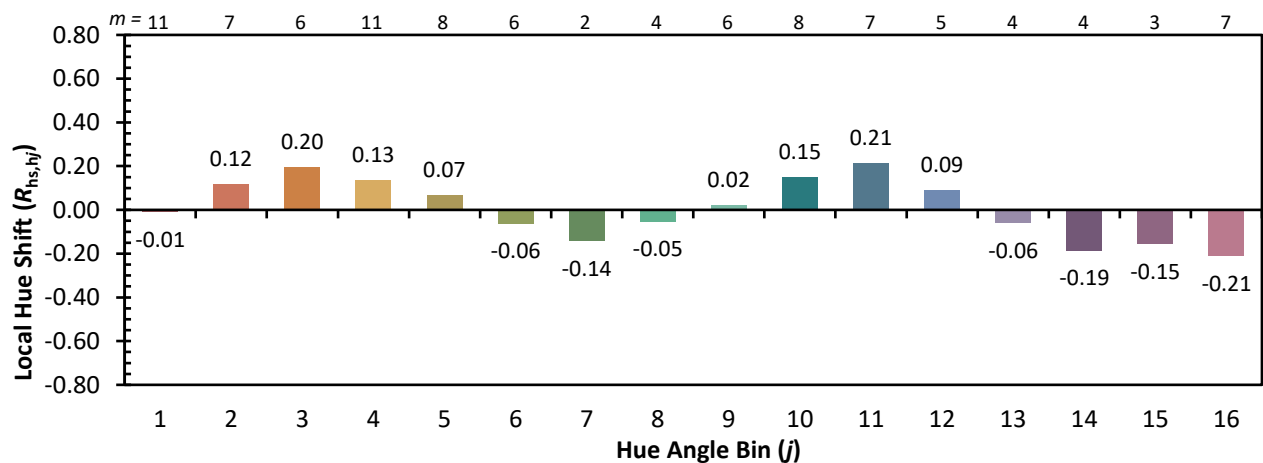


Individual Sample Fidelity Index (R_{fi})

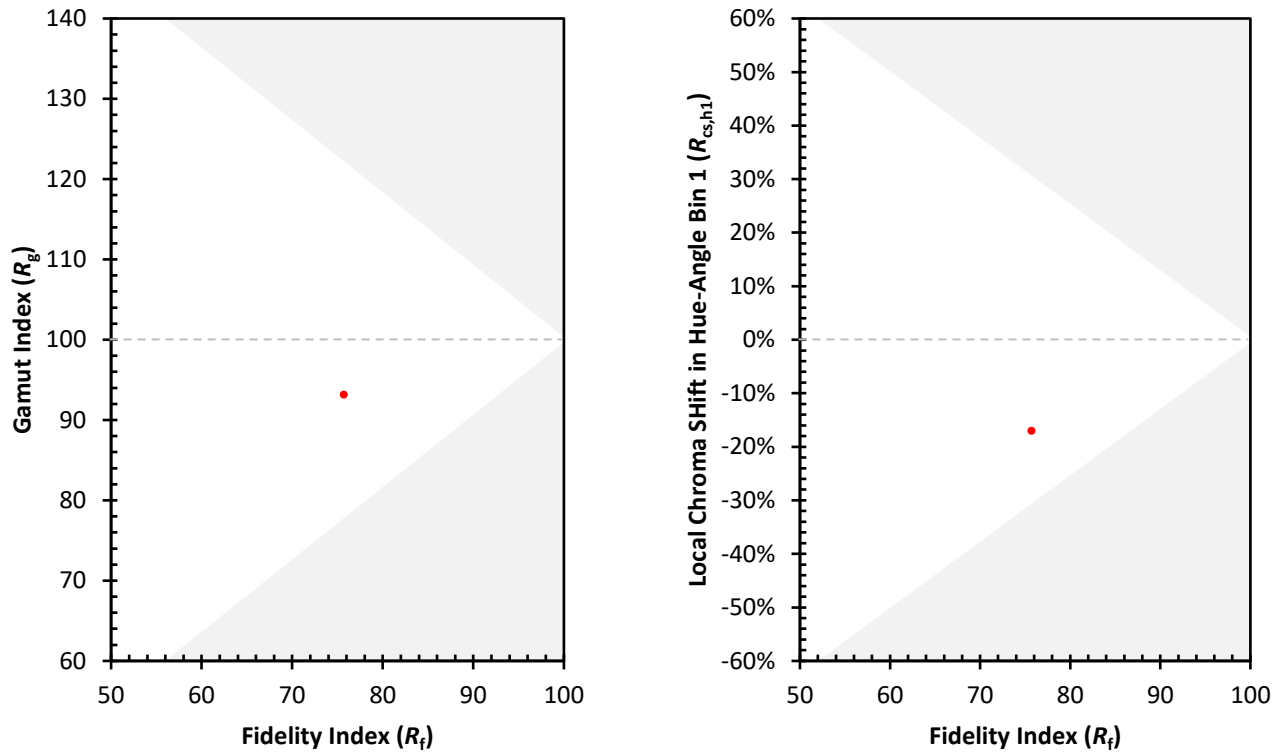
CES01 = 86	CES26 = 68	CES51 = 87	CES76 = 64
CES02 = 63	CES27 = 91	CES52 = 84	CES77 = 79
CES03 = 31	CES28 = 87	CES53 = 78	CES78 = 67
CES04 = 71	CES29 = 72	CES54 = 86	CES79 = 87
CES05 = 50	CES30 = 86	CES55 = 84	CES80 = 85
CES06 = 52	CES31 = 75	CES56 = 75	CES81 = 68
CES07 = 42	CES32 = 67	CES57 = 74	CES82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