

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: P972207

Luminaire Tested: **GKO-PB2E-727-U-T4W**

Issue Date: 02/27/2025



Test Information

Test Method: LM-79-08
Report Number: P972207
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-T4W
Description: GEKKO WALL PACK 12000LM PACKAGE 70CRI 2700K FIXTURE w/ TYPE IV WIDE DISTRIBUTION OPTIC
Light Source: (20) 2700K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 11408.7 lumens
Efficiency: N/A
Efficacy: 109.0 lumens/watt
Luminous Opening: Rectangular (W 0.67' x L: 0.33' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B2 - U0 - G2

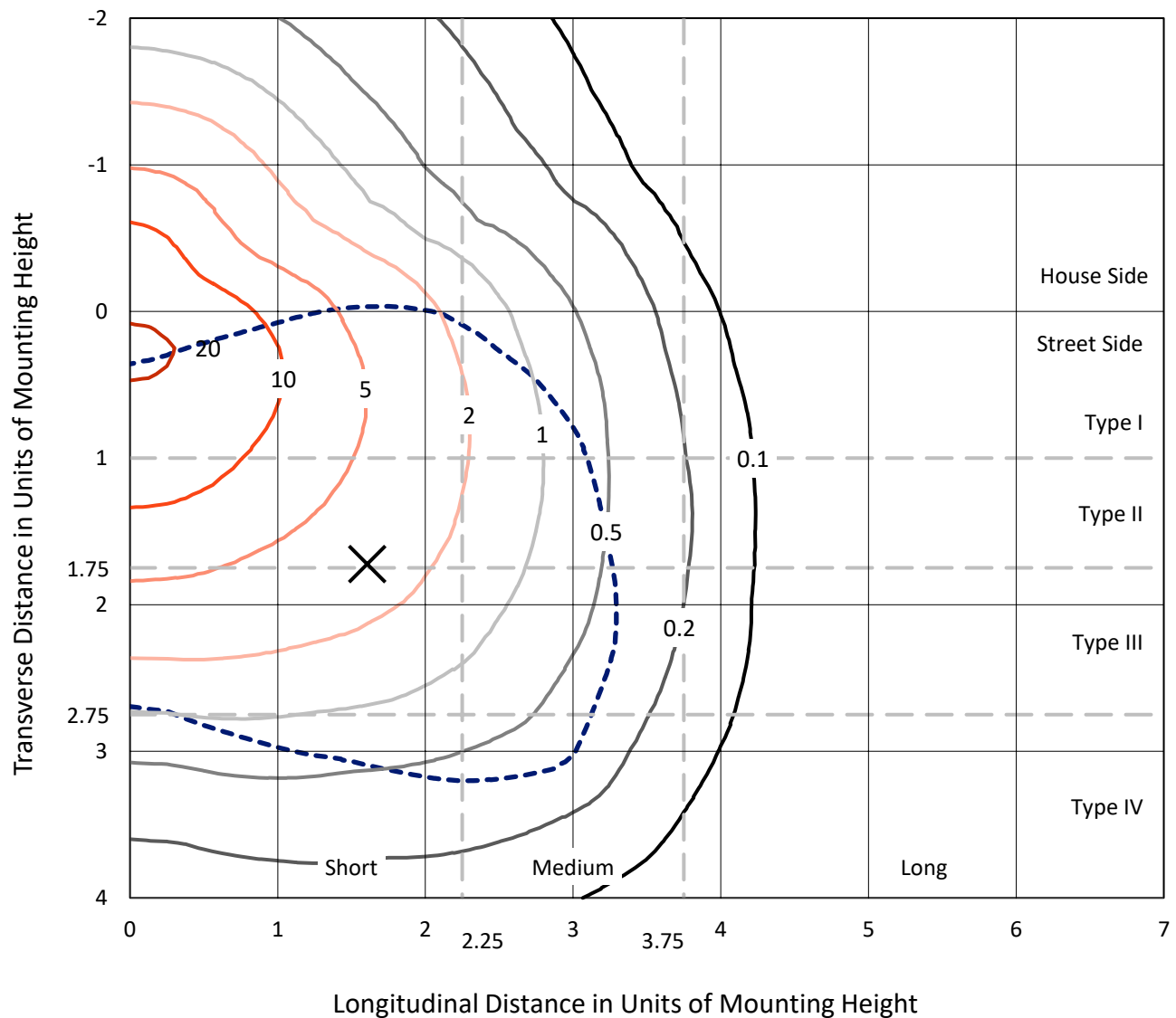
Input Watts (W): 104.7
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: 0.97
Total Harmonic Distortion (THDi): 6%
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT

REPORT NUMBER: P972207

CATALOG NUMBER: GKO-PB2E-727-U-T4W

Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

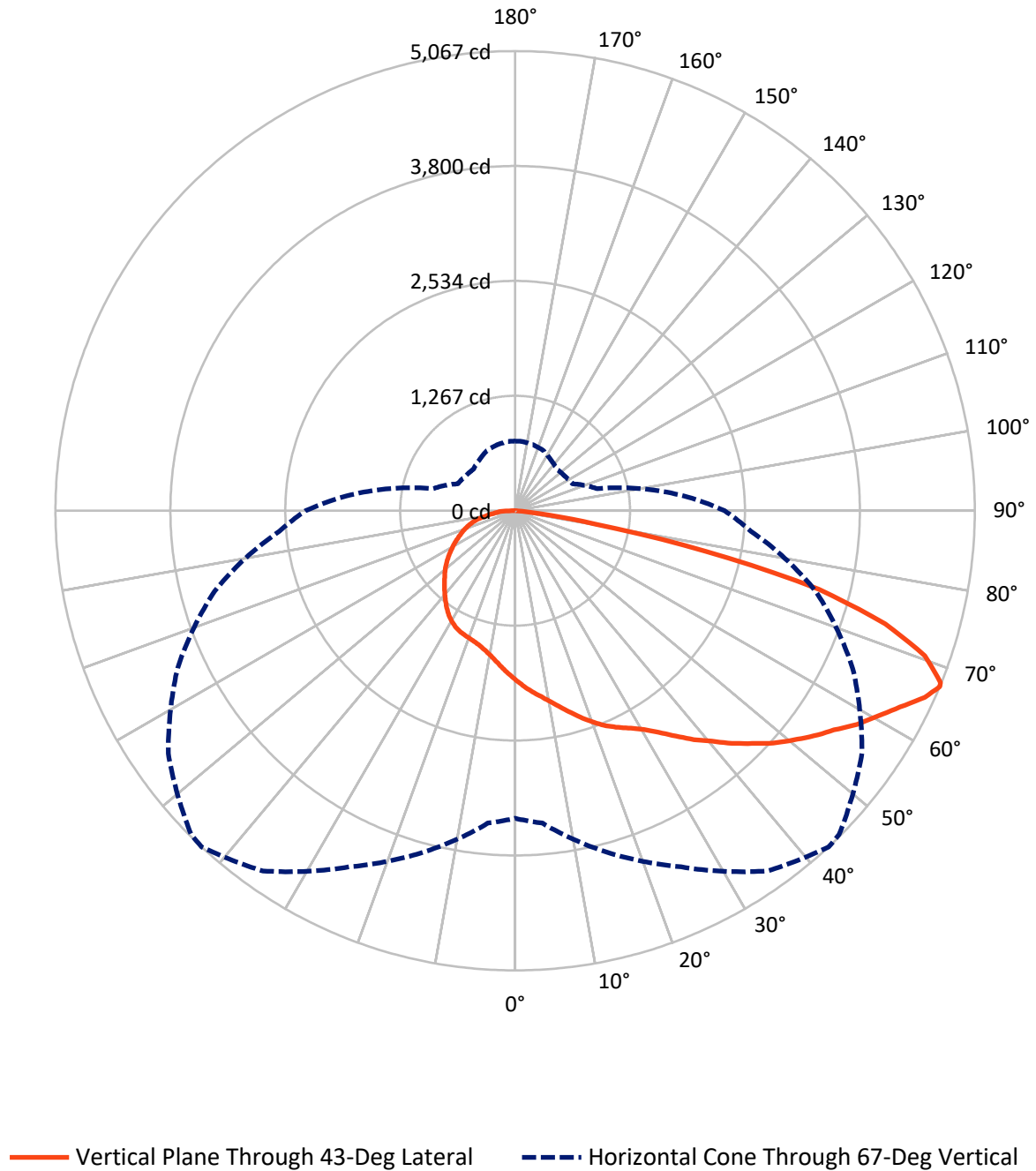


Based on 10 foot mounting height. Maximum calculated value = 21.8 fc
 Type IV - Short - N/A

REPORT NUMBER: P972207

CATALOG NUMBER: GKO-PB2E-727-U-T4W

Luminous Intensity Polar Plot



REPORT NUMBER: P972207

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3068.6	0.0	3068.6
	% Fixture	26.9	0.0	26.9
Street Side	Lumens	8340.1	0.0	8340.1
	% Fixture	73.1	0.0	73.1
Total	Lumens	11408.7	0.0	11408.7
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	179.0	1.6
10°-20°	550.1	4.8
20°-30°	952.5	8.3
30°-40°	1413.5	12.4
40°-50°	1920.2	16.8
50°-60°	2357.2	20.7
60°-70°	2484.3	21.8
70°-80°	1371.3	12.0
80°-90°	180.7	1.6
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°	11408.7	100.0
0°-180°	11408.7	100.0



REPORT NUMBER: P972207

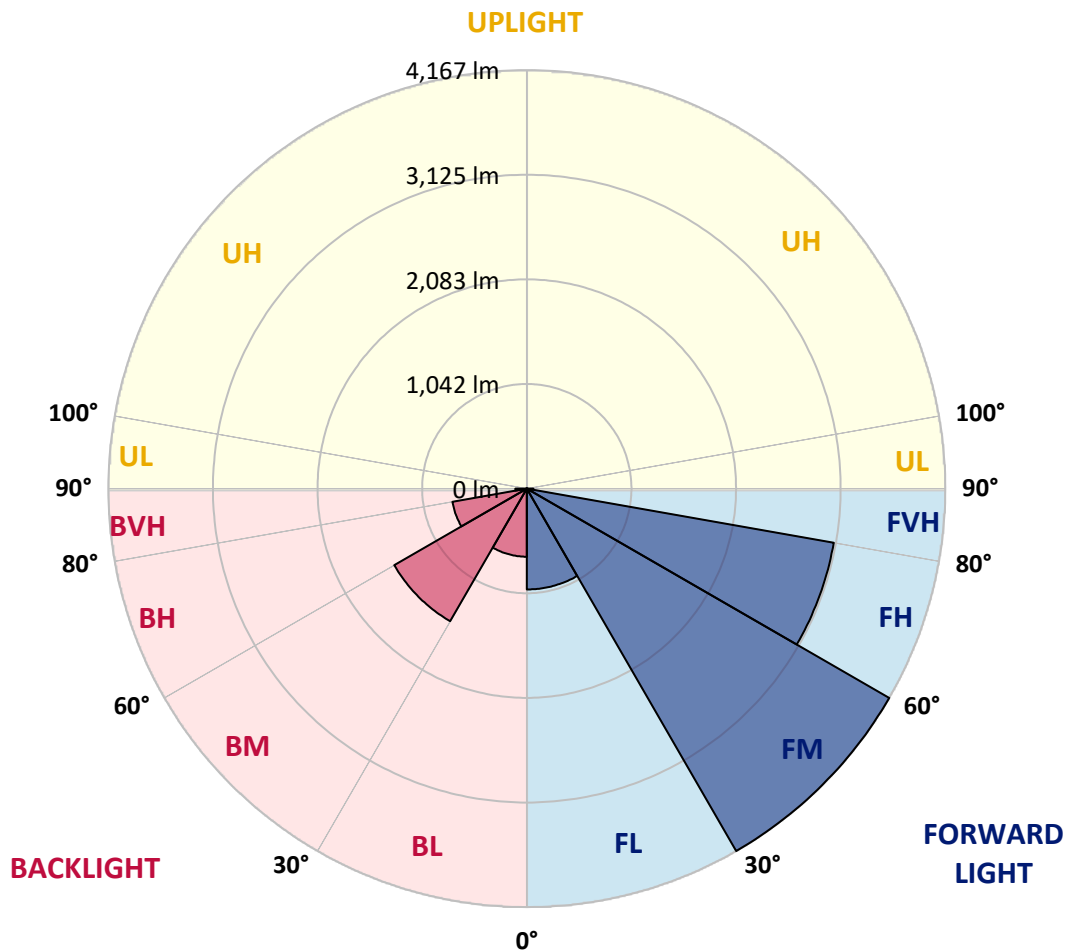
CATALOG NUMBER: GKO-PB2E-727-U-T4W

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1003.7	8.8			
FM	(30°-60°)	4166.8	36.5			
FH	(60°-80°)	3103.7	27.2			G2/5000
FVH	(80°-90°)	66.0	0.6			G1/100
BL	(0°-30°)	677.9	5.9	B2/1000		
BM	(30°-60°)	1524.0	13.4	B2/2500		
BH	(60°-80°)	752.0	6.6	B2/1000		G2/1000
BVH	(80°-90°)	114.7	1.0			G2/225
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G2

Type IV Short



REPORT NUMBER: P972207

CATALOG NUMBER: GKO-PB2E-727-U-T4W

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	43°	45°	55°	65°	75°	85°
0°	1872.6	1872.6	1872.6	1872.6	1872.6	1872.6	1872.6	1872.6	1872.6	1872.6	1872.6
2.5°	1959.3	1963.9	1959.3	1954.8	1945.6	1941.1	1936.5	1925.1	1911.4	1890.8	1874.8
5°	2046.1	2046.1	2039.3	2034.7	2021.0	2007.3	2000.4	1973.0	1943.4	1909.1	1877.1
7.5°	2126.0	2135.2	2123.8	2112.3	2091.8	2069.0	2064.4	2023.3	1982.2	1936.5	1888.5
10°	2226.5	2233.4	2217.4	2208.3	2169.4	2139.7	2130.6	2080.4	2025.6	1968.5	1906.8
12.5°	2329.3	2333.9	2322.4	2301.9	2260.8	2224.2	2210.5	2144.3	2073.5	2005.0	1927.4
15°	2418.3	2422.9	2418.3	2395.5	2356.7	2311.0	2292.7	2219.7	2132.9	2043.8	1952.5
17.5°	2484.6	2493.7	2493.7	2482.3	2448.0	2404.6	2393.2	2301.9	2201.4	2089.5	1982.2
20°	2541.7	2546.2	2555.4	2548.5	2530.2	2493.7	2477.7	2390.9	2269.9	2142.0	2011.9
22.5°	2587.3	2591.9	2607.9	2605.6	2594.2	2575.9	2559.9	2480.0	2349.8	2194.6	2039.3
25°	2667.3	2665.0	2674.1	2667.3	2653.6	2646.7	2637.6	2566.8	2429.8	2256.2	2075.8
27.5°	2806.6	2802.0	2792.9	2758.6	2724.3	2715.2	2708.4	2658.1	2523.4	2327.0	2116.9
30°	3012.1	3016.6	2973.3	2895.6	2827.1	2799.7	2790.6	2756.3	2628.4	2409.2	2162.6
32.5°	3256.4	3254.1	3183.4	3073.7	2966.4	2911.6	2893.3	2856.8	2733.5	2491.4	2215.1
35°	3432.3	3427.7	3391.2	3293.0	3181.1	3050.9	3016.6	2959.6	2845.4	2585.0	2267.6
37.5°	3669.8	3662.9	3592.1	3489.4	3388.9	3201.6	3162.8	3085.2	2952.7	2676.4	2327.0
40°	3941.5	3898.1	3781.7	3676.6	3539.6	3340.9	3309.0	3208.5	3076.0	2788.3	2395.5
42.5°	4188.1	4124.2	3973.5	3841.0	3669.8	3505.3	3464.2	3345.5	3194.8	2891.1	2466.3
45°	4558.1	4402.8	4185.9	4108.2	3811.3	3660.6	3626.4	3480.2	3324.9	3002.9	2537.1
47.5°	4512.4	4402.8	4332.0	4322.9	3959.8	3829.6	3779.4	3628.7	3464.2	3121.7	2610.2
50°	4601.5	4514.7	4519.3	4407.4	4094.5	3973.5	3936.9	3783.9	3605.8	3238.2	2687.8
52.5°	4583.2	4608.3	4594.6	4421.1	4224.7	4124.2	4096.8	3943.8	3740.6	3350.1	2756.3
55°	4729.4	4715.7	4686.0	4514.7	4368.5	4265.8	4242.9	4110.5	3877.6	3446.0	2815.7
57.5°	4836.7	4765.9	4763.6	4619.7	4528.4	4443.9	4407.4	4281.8	4005.5	3530.5	2861.4
60°	4770.5	4686.0	4747.6	4635.7	4626.6	4594.6	4574.1	4432.5	4119.6	3594.4	2879.6
62.5°	4416.5	4437.1	4619.7	4612.9	4733.9	4763.6	4740.8	4537.5	4195.0	3617.2	2865.9
65°	3948.4	4010.0	4290.9	4530.7	4859.5	4962.3	4939.5	4612.9	4188.1	3564.7	2774.6
67°	3391.2	3457.4	3895.8	4332.0	4848.1	5067.3	5051.3	4667.7	4105.9	3430.0	2610.2
67.5°	3267.8	3343.2	3781.7	4240.7	4807.0	5058.2	5046.8	4672.3	4078.5	3366.0	2546.2
70°	2404.6	2493.7	3112.6	3726.9	4478.2	4793.3	4791.0	4501.0	3795.4	3018.9	2208.3
72.5°	1498.0	1578.0	2219.7	2907.0	3879.9	4268.1	4252.1	3921.0	3267.8	2464.0	1742.4
75°	918.0	968.3	1397.6	1895.4	2813.4	3455.1	3477.9	3064.6	2228.8	1463.8	984.2
77.5°	561.8	616.6	881.5	1169.2	1719.6	2148.9	2153.4	1699.0	1144.1	797.0	538.9
80°	312.9	326.6	459.0	612.0	881.5	886.0	849.5	749.0	593.7	383.6	276.3
82.5°	123.3	132.4	198.7	246.6	251.2	262.6	244.3	221.5	187.3	123.3	86.8
85°	0.0	0.0	0.0	4.6	16.0	32.0	32.0	22.8	9.1	6.9	6.9
87.5°	0.0	0.0	0.0	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3
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: P972207

CATALOG NUMBER: GKO-PB2E-727-U-T4W

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1872.6	1872.6	1872.6	1872.6	1872.6	1872.6	1872.6	1872.6	1872.6	1872.6	1872.6
2.5°	1870.3	1868.0	1852.0	1833.7	1820.0	1808.6	1797.2	1783.5	1783.5	1788.1	1785.8
5°	1865.7	1854.3	1824.6	1792.6	1767.5	1744.7	1724.1	1705.9	1703.6	1705.9	1708.1
7.5°	1868.0	1847.4	1801.8	1753.8	1712.7	1683.0	1653.3	1639.6	1637.3	1637.3	1637.3
10°	1877.1	1847.4	1785.8	1719.6	1669.3	1625.9	1594.0	1580.3	1582.5	1584.8	1587.1
12.5°	1893.1	1852.0	1774.4	1689.9	1625.9	1582.5	1550.6	1539.2	1548.3	1559.7	1562.0
15°	1909.1	1861.1	1762.9	1664.8	1591.7	1543.7	1520.9	1518.6	1534.6	1555.1	1559.7
17.5°	1927.4	1868.0	1749.2	1632.8	1555.1	1516.3	1504.9	1511.8	1536.9	1568.8	1575.7
20°	1945.6	1877.1	1733.3	1603.1	1520.9	1493.5	1500.3	1520.9	1552.9	1591.7	1598.5
22.5°	1963.9	1884.0	1712.7	1566.6	1484.3	1475.2	1500.3	1534.6	1566.6	1609.9	1619.1
25°	1984.5	1893.1	1687.6	1520.9	1447.8	1454.7	1498.0	1539.2	1573.4	1619.1	1630.5
27.5°	2016.4	1906.8	1662.5	1479.8	1406.7	1429.5	1486.6	1536.9	1573.4	1616.8	1630.5
30°	2048.4	1920.5	1641.9	1436.4	1365.6	1395.3	1463.8	1525.5	1562.0	1600.8	1619.1
32.5°	2084.9	1938.8	1623.6	1393.0	1319.9	1356.5	1431.8	1500.3	1543.7	1578.0	1596.2
35°	2123.8	1966.2	1609.9	1354.2	1274.3	1306.2	1383.9	1468.4	1511.8	1543.7	1559.7
37.5°	2174.0	1995.9	1600.8	1315.4	1226.3	1253.7	1333.6	1422.7	1472.9	1498.0	1518.6
40°	2228.8	2039.3	1600.8	1283.4	1180.6	1198.9	1281.1	1377.0	1427.3	1447.8	1468.4
42.5°	2283.6	2082.7	1598.5	1251.4	1132.7	1146.4	1228.6	1326.8	1374.7	1390.7	1406.7
45°	2347.6	2132.9	1596.2	1214.9	1080.1	1093.8	1178.3	1276.5	1322.2	1335.9	1349.6
47.5°	2416.1	2183.1	1587.1	1169.2	1032.2	1043.6	1128.1	1219.4	1265.1	1281.1	1294.8
50°	2477.7	2231.1	1564.3	1116.7	988.8	1000.2	1075.6	1150.9	1192.0	1210.3	1224.0
52.5°	2532.5	2265.3	1527.7	1057.3	940.8	954.5	1011.6	1077.9	1109.8	1123.5	1132.7
55°	2575.9	2283.6	1468.4	1000.2	895.2	902.0	947.7	1007.1	1032.2	1034.5	1041.3
57.5°	2605.6	2281.3	1388.4	934.0	849.5	851.8	883.8	936.3	954.5	952.3	956.8
60°	2612.5	2251.6	1292.5	872.3	803.8	797.0	829.0	865.5	876.9	886.0	897.5
62.5°	2585.0	2180.8	1182.9	810.7	758.2	746.7	769.6	801.5	819.8	824.4	829.0
65°	2484.6	2050.7	1050.5	746.7	712.5	691.9	717.1	762.7	792.4	801.5	799.3
67°	2308.7	1868.0	936.3	698.8	666.8	648.5	685.1	733.0	753.6	767.3	767.3
67.5°	2251.6	1801.8	897.5	682.8	655.4	639.4	673.7	719.3	746.7	762.7	762.7
70°	1911.4	1477.5	758.2	602.9	589.2	591.5	632.6	682.8	717.1	733.0	733.0
72.5°	1456.9	1144.1	616.6	525.2	520.7	536.6	589.2	634.8	678.2	705.6	703.4
75°	826.7	660.0	449.9	429.3	447.6	479.6	545.8	596.0	634.8	662.2	660.0
77.5°	481.8	397.3	310.6	294.6	347.1	420.2	488.7	552.6	580.0	589.2	582.3
80°	244.3	207.8	194.1	201.0	232.9	312.9	427.0	502.4	522.9	529.8	522.9
82.5°	77.6	70.8	77.6	102.8	155.3	246.6	344.8	454.4	479.6	479.6	477.3
85°	4.6	4.6	4.6	45.7	107.3	182.7	269.5	397.3	449.9	445.3	438.5
87.5°	2.3	2.3	2.3	29.7	84.5	153.0	237.5	360.8	429.3	397.3	374.5
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
 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

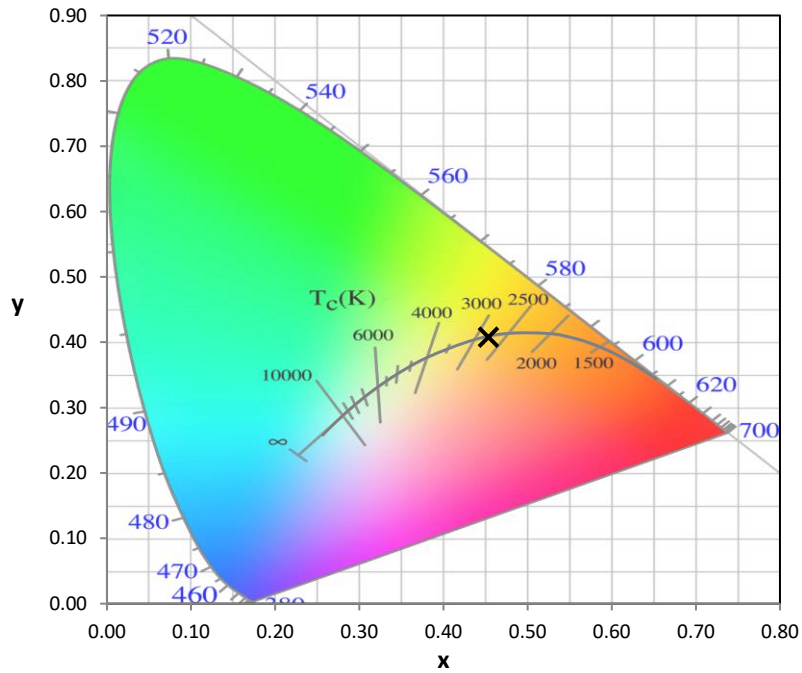
Stabilization Time: 36M
 Operation Time: 1H 36M
 Sphere Temperature (°C): 25.0

REPORT NUMBER: SP2-2501-321-3

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

REPORT NUMBER: SP2-2501-321-3

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

REPORT NUMBER: SP2-2501-321-3

Photopic Flux vs. Wavelength

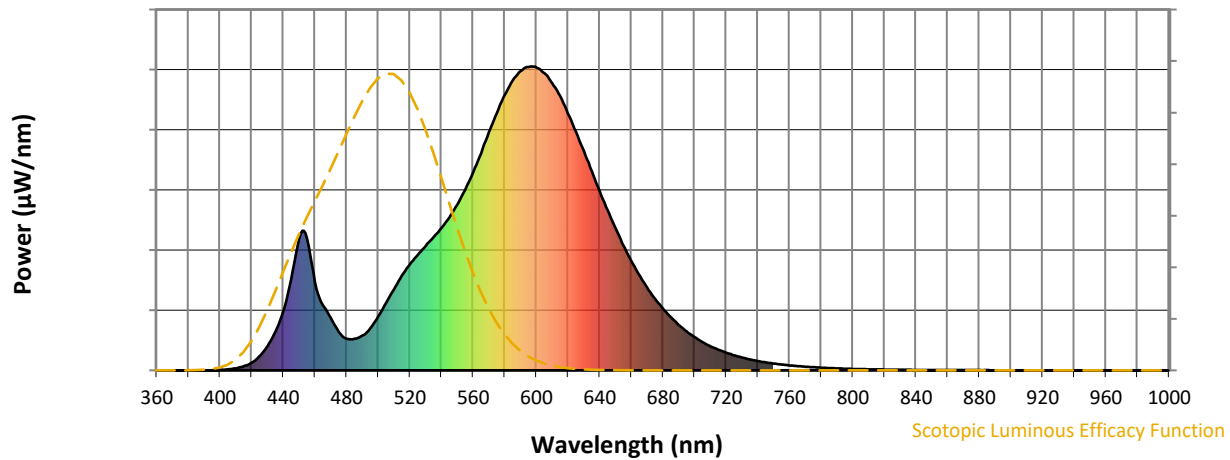


Photopic Lumens: NR

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			

REPORT NUMBER: SP2-2501-321-3

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			

REPORT NUMBER: SP2-2501-321-3

Melanopic Flux vs. Wavelength



Melanopic Lumens: NR

M/P: 2.08

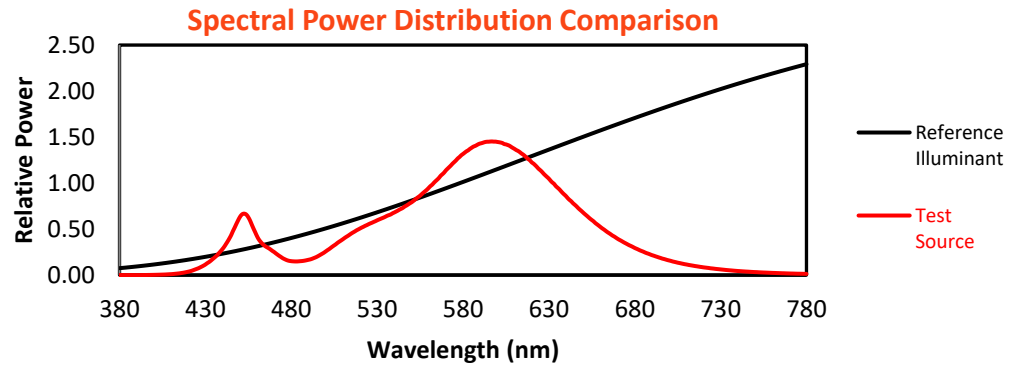
λ (nm)	Power W [^] /nm	Lumens (φ/nm)	λ (nm)	Power W [^] /nm	Lumens (φ/nm)	λ (nm)	Power W [^] /nm	Lumens (φ/nm)	λ (nm)	Power W [^] /nm	Lumens (φ/nm)	λ (nm)	Power W [^] /nm	Lumens (φ/nm)
360	0	NR	490	114	NR	620	844	NR	750	22	NR	880	1	NR
365	0	NR	495	138	NR	625	785	NR	755	19	NR	885	1	NR
370	0	NR	500	176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

REPORT NUMBER: SP2-2501-321-3

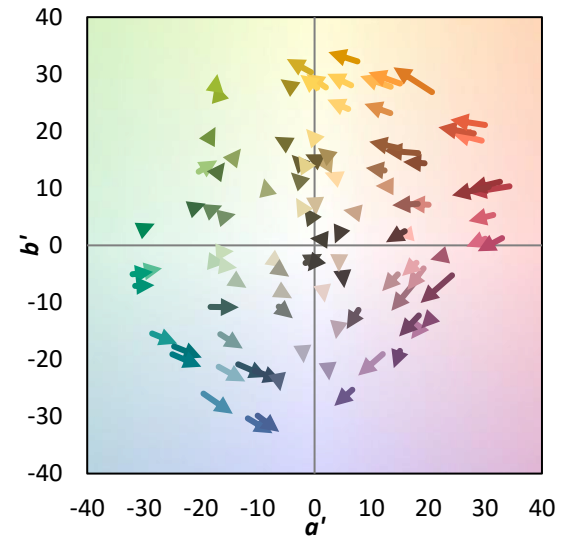
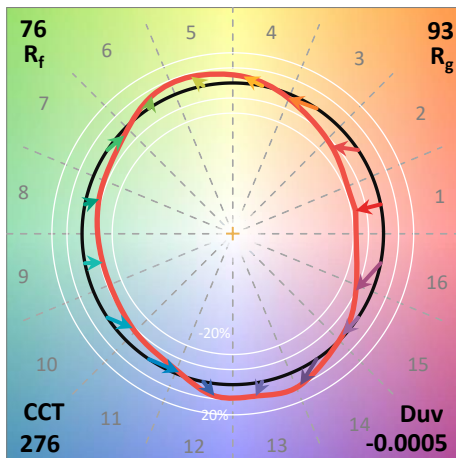
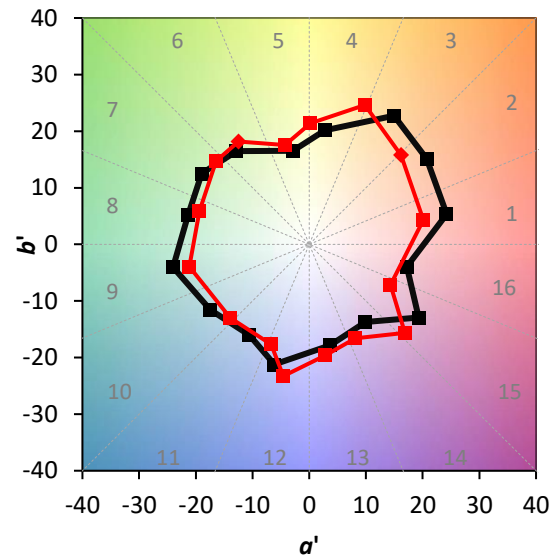
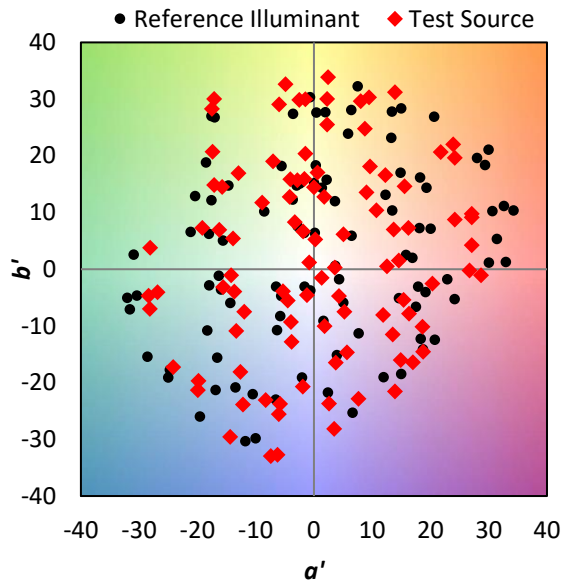
TM-30-18

Summary

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

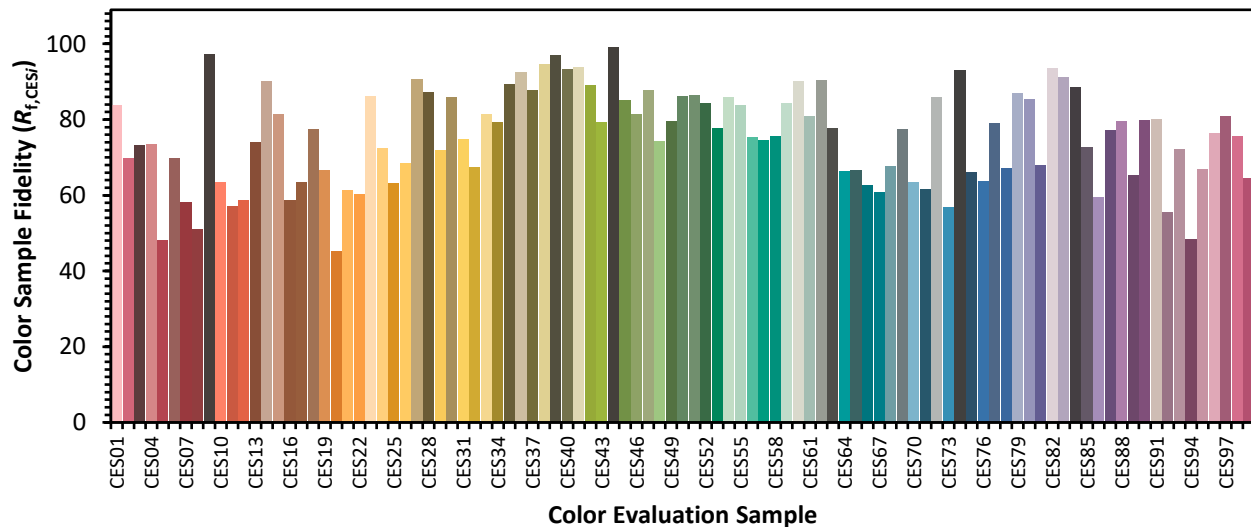


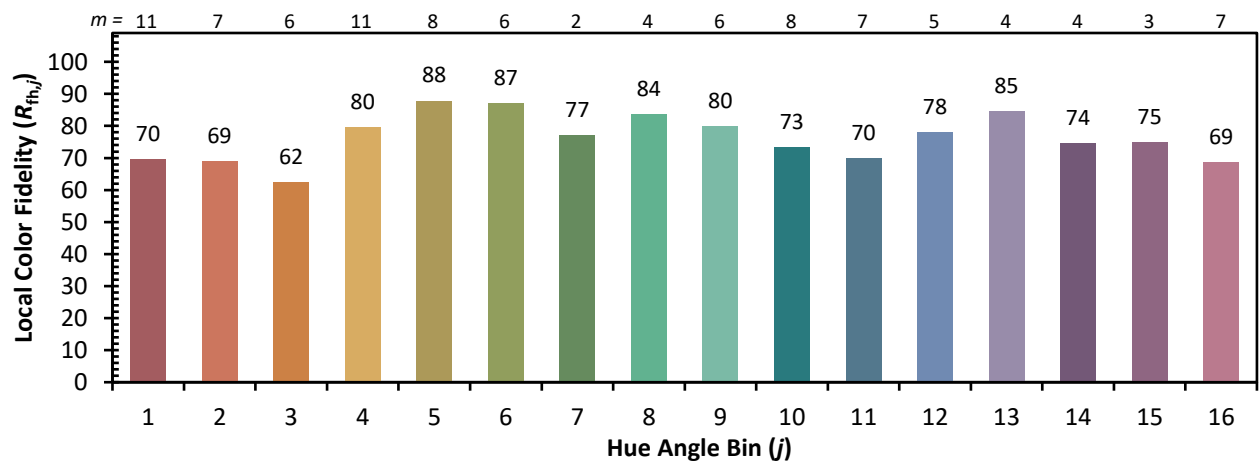
Color Vector Graphics



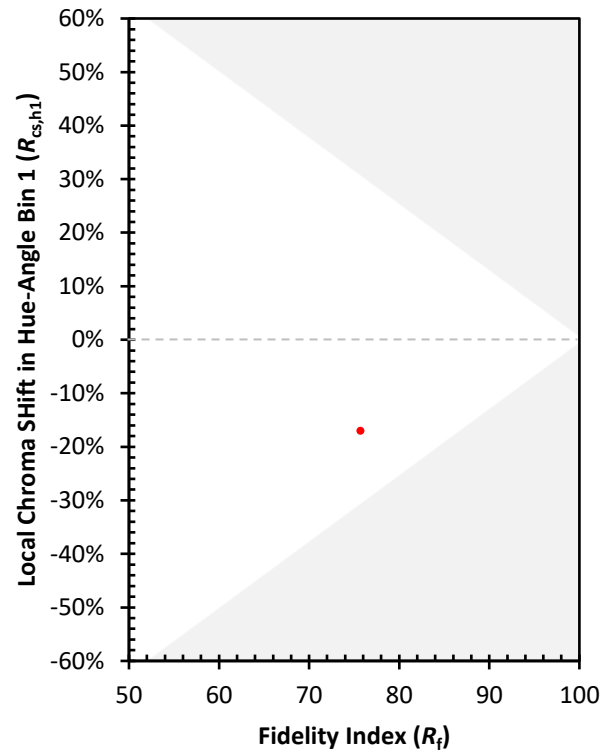
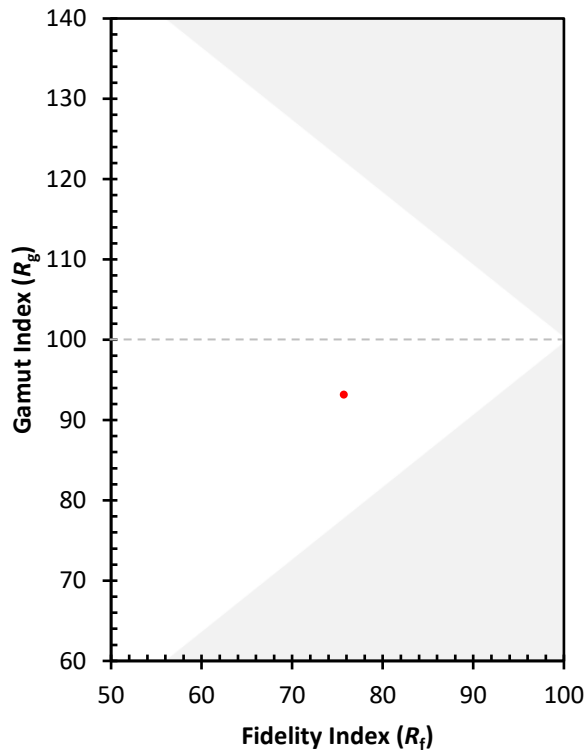
Individual Sample Fidelity Index ($R_{f,i}$)

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)