

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: P1211988

Luminaire Tested: **GKO-PB2D-840-U-T2U**

Issue Date: 11/5/2025



Test Information

Test Method: LM-79-08
Report Number: P1211988
Test Lab: INNOVATION CENTER(G1)
Issue Date: 11/5/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: MCGRAW-EDISON
Catalog Number: GKO-PB2D-840-U-T2U
Description: GEKKO WALL PACK 10000LM PACKAGE 80CRI 4000K FIXTURE w/ TYPE II
URBAN DISTRIBUTION OPTIC
Light Source: (20) 4000K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

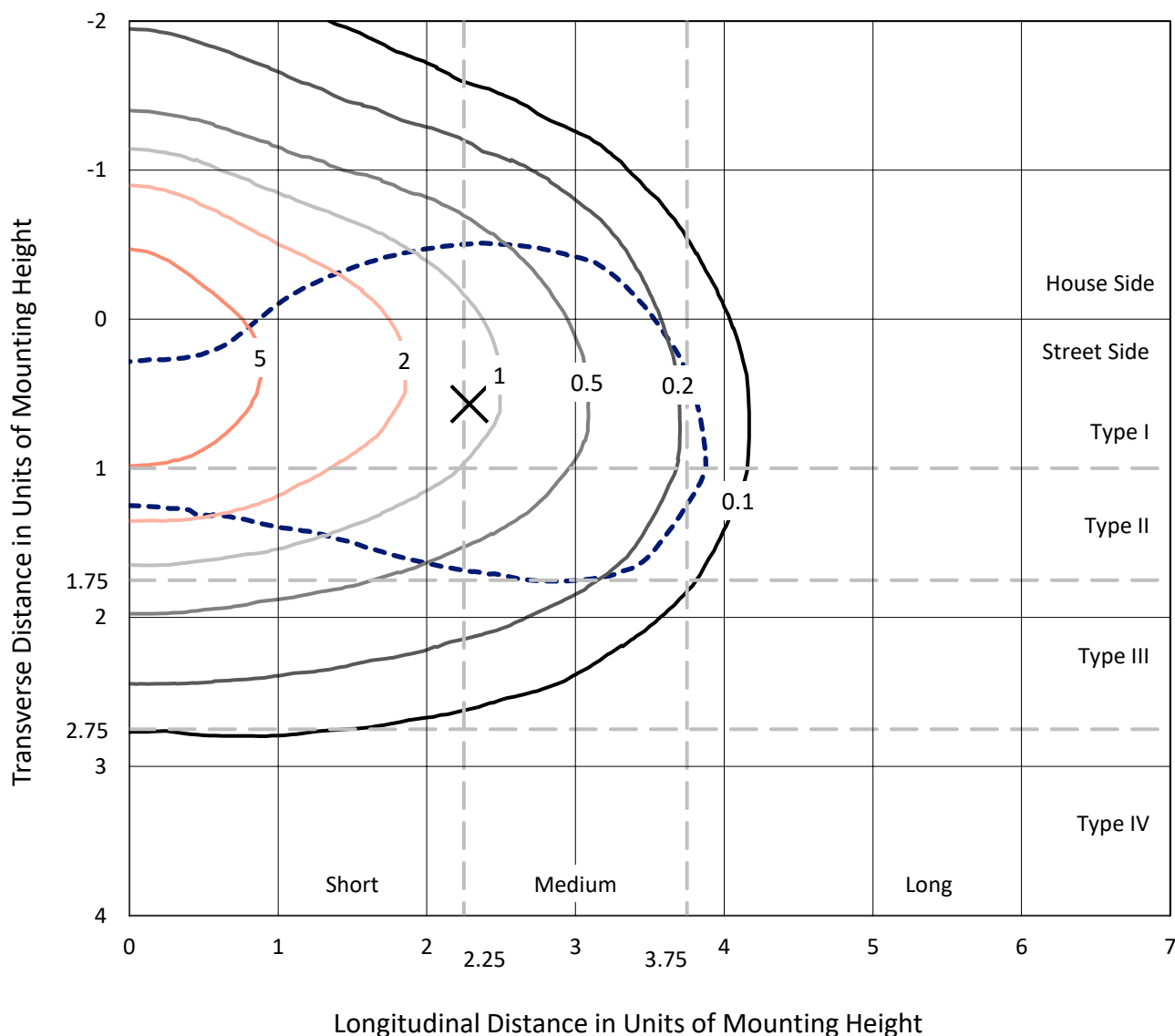
Lumens per Lamp: N/A
Luminaire Lumens: 9611.3 lumens
Efficiency: N/A
Efficacy: 126.1 lumens/watt
Luminous Opening: Rectangular (W 0.67' x L: 0.33' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B2 - U0 - G2

Input Watts (W): 76.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: 0.97
Total Harmonic Distortion (THDi): 8%
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT

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 CATALOG NUMBER: GKO-PB2D-840-U-T2U

Iso-Footcandle Lines of Horizontal Illumination

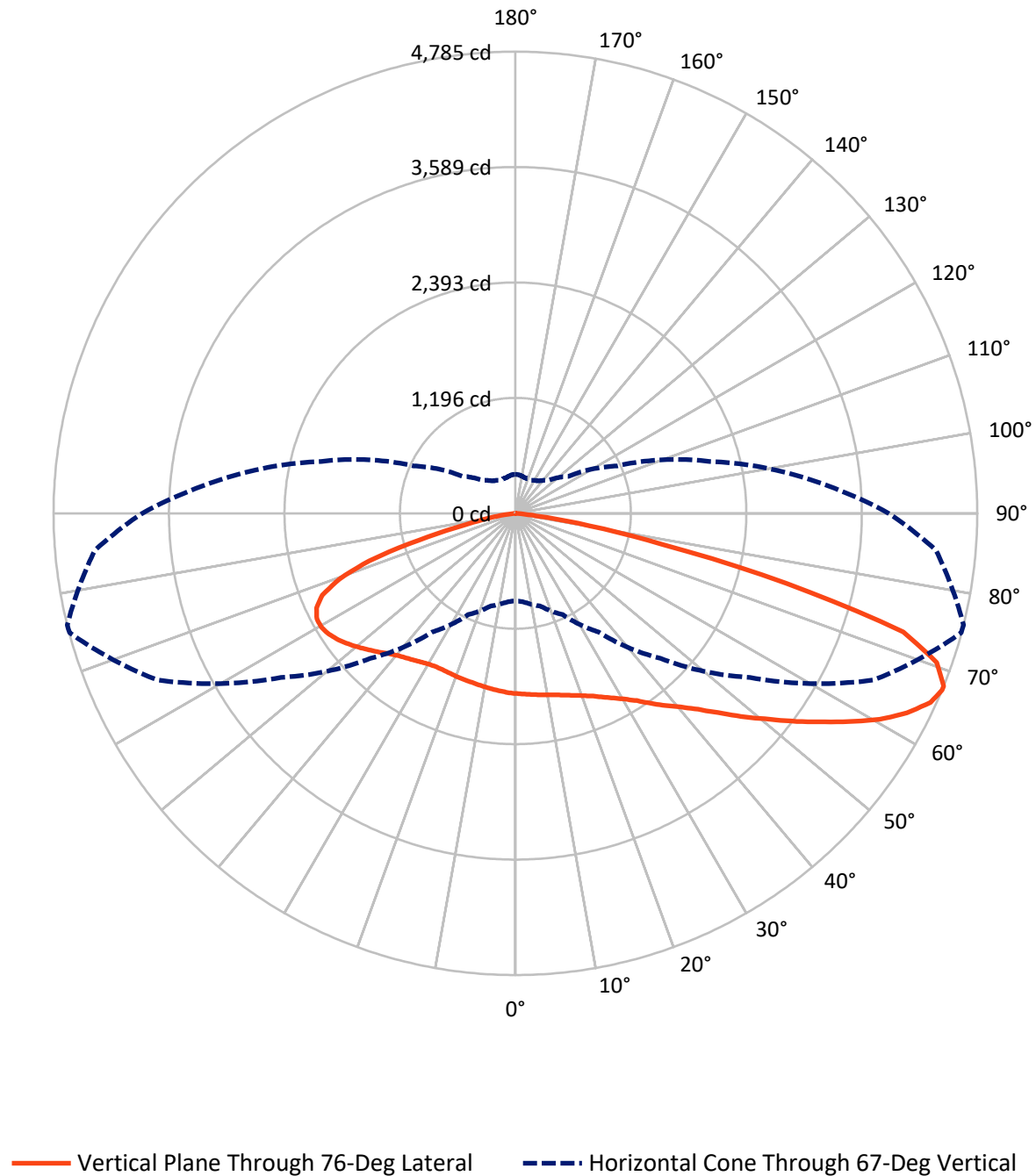
✕ Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 9.4 fc
 Type II - Medium - N/A

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Luminous Intensity Polar Plot



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CATALOG NUMBER: GKO-PB2D-840-U-T2U

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3170.9	0.0	3170.9
	% Fixture	33.0	0.0	33.0
Street Side	Lumens	6440.4	0.0	6440.4
	% Fixture	67.0	0.0	67.0
Total	Lumens	9611.3	0.0	9611.3
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	179.6	1.9
10°-20°	549.4	5.7
20°-30°	945.2	9.8
30°-40°	1358.3	14.1
40°-50°	1722.5	17.9
50°-60°	1891.5	19.7
60°-70°	1834.4	19.1
70°-80°	1012.8	10.5
80°-90°	117.5	1.2
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°	9611.3	100.0
0°-180°	9611.3	100.0



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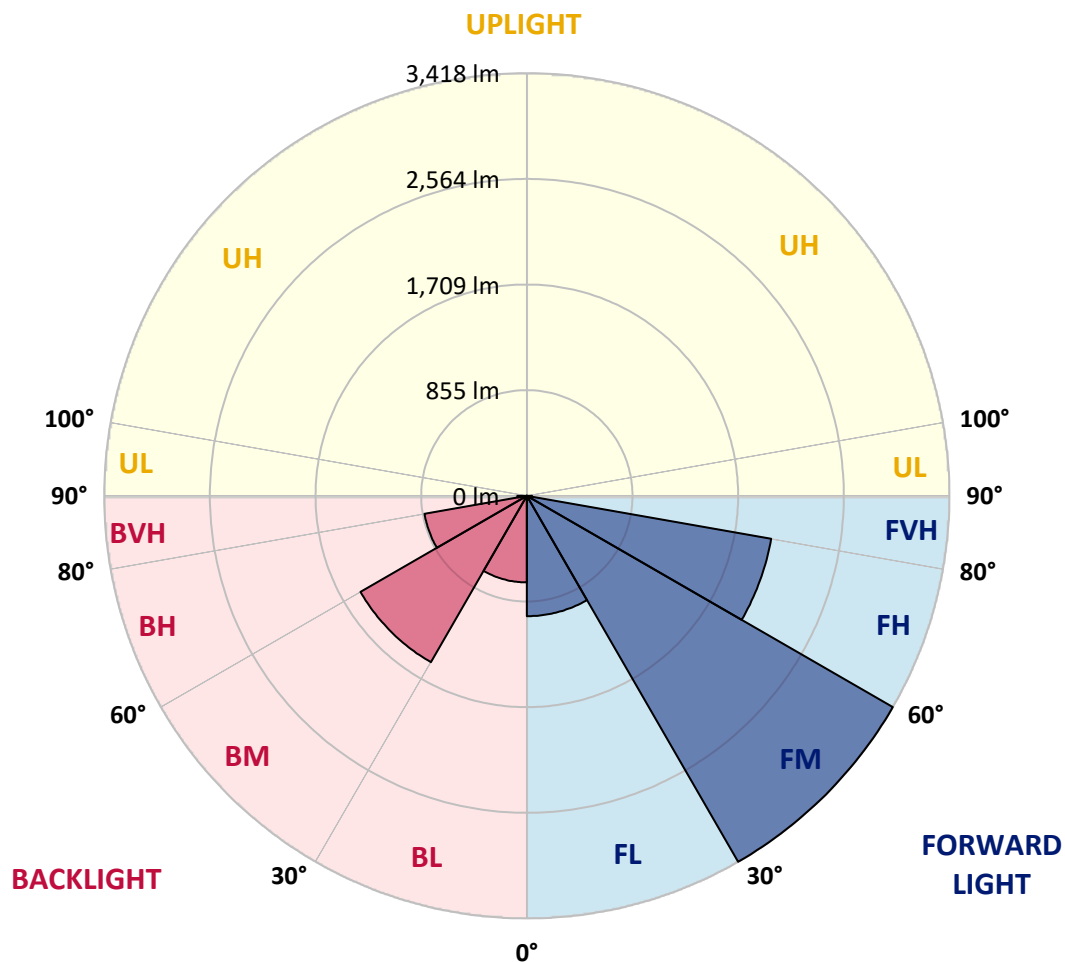
CATALOG NUMBER: GKO-PB2D-840-U-T2U

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	973.6	10.1			
FM	(30°-60°)	3418.5	35.6			
FH	(60°-80°)	2006.7	20.9			G2/5000
FVH	(80°-90°)	41.5	0.4			G1/100
BL	(0°-30°)	700.6	7.3	B2/1000		
BM	(30°-60°)	1553.8	16.2	B2/2500		
BH	(60°-80°)	840.5	8.7	B2/1000		G2/1000
BVH	(80°-90°)	76.0	0.8			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 II Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	76°	85°
0°	1868.3	1868.3	1868.3	1868.3	1868.3	1868.3	1868.3	1868.3	1868.3	1868.3	1868.3
2.5°	1924.1	1922.2	1920.4	1920.4	1912.9	1905.5	1898.1	1892.5	1877.6	1875.8	1868.3
5°	1981.7	1981.7	1976.2	1974.3	1963.1	1944.6	1927.8	1911.1	1890.6	1886.9	1870.2
7.5°	2056.1	2056.1	2046.8	2039.4	2022.6	1992.9	1963.1	1933.4	1903.7	1899.9	1873.9
10°	2150.9	2150.9	2143.5	2126.7	2091.4	2052.4	2004.0	1957.6	1918.5	1914.8	1877.6
12.5°	2249.4	2251.3	2240.1	2216.0	2173.2	2113.7	2054.2	1987.3	1937.1	1931.5	1885.1
15°	2349.8	2351.7	2344.2	2318.2	2260.6	2188.1	2108.1	2028.2	1961.3	1955.7	1896.2
17.5°	2448.4	2452.1	2444.6	2414.9	2348.0	2269.9	2171.4	2071.0	1991.0	1983.6	1914.8
20°	2541.3	2541.3	2541.3	2507.8	2442.8	2353.5	2240.1	2123.0	2024.5	2017.1	1937.1
22.5°	2625.0	2628.7	2634.3	2615.7	2541.3	2442.8	2320.1	2180.6	2067.2	2058.0	1965.0
25°	2708.6	2710.5	2725.3	2712.3	2639.8	2537.6	2405.6	2253.2	2119.3	2110.0	1998.5
27.5°	2805.3	2810.9	2820.2	2814.6	2732.8	2632.4	2500.4	2333.1	2176.9	2167.6	2039.4
30°	2918.7	2918.7	2924.3	2915.0	2833.2	2732.8	2595.2	2416.7	2249.4	2234.6	2089.6
32.5°	3011.6	3020.9	3017.2	3013.5	2928.0	2827.6	2691.9	2509.7	2333.1	2314.5	2158.3
35°	3099.0	3100.9	3099.0	3102.7	3017.2	2922.4	2794.1	2617.5	2426.0	2418.6	2245.7
37.5°	3149.2	3152.9	3162.2	3173.4	3097.2	3007.9	2896.4	2736.5	2541.3	2528.3	2349.8
40°	3173.4	3179.0	3229.1	3245.9	3164.1	3089.7	3004.2	2844.3	2652.8	2638.0	2453.9
42.5°	3210.6	3255.2	3281.2	3284.9	3214.3	3149.2	3097.2	2967.0	2790.4	2777.4	2593.4
45°	3087.9	3071.1	3139.9	3219.9	3216.1	3188.2	3186.4	3104.6	2959.6	2946.6	2751.4
47.5°	2933.6	2920.5	2957.7	3074.8	3158.5	3205.0	3273.8	3266.3	3164.1	3145.5	2935.4
50°	2565.5	2587.8	2770.0	2929.8	3074.8	3210.6	3348.1	3435.5	3363.0	3348.1	3130.6
52.5°	2221.5	2236.4	2361.0	2742.1	2967.0	3193.8	3413.2	3614.0	3595.4	3578.6	3344.4
55°	1979.9	1994.7	2193.7	2437.2	2807.1	3108.3	3455.9	3783.1	3831.5	3814.7	3571.2
57.5°	1727.0	1751.2	1886.9	2100.7	2593.4	2967.0	3470.8	3954.2	4088.0	4073.1	3788.7
60°	1483.5	1517.0	1596.9	1829.3	2329.4	2799.7	3431.8	4091.7	4335.3	4335.3	4013.7
62.5°	1258.6	1277.2	1360.8	1570.9	1994.7	2585.9	3333.3	4179.1	4562.1	4552.8	4210.7
65°	1072.7	1082.0	1148.9	1329.2	1714.0	2349.8	3162.2	4173.5	4723.8	4725.7	4340.8
67°	905.4	920.2	994.6	1158.2	1500.2	2126.7	2965.2	4089.9	4781.4	4785.2	4372.5
67.5°	847.7	864.5	946.2	1115.4	1455.6	2065.4	2918.7	4054.6	4777.7	4785.2	4363.2
70°	583.7	587.5	725.0	918.4	1197.2	1740.1	2597.1	3809.2	4636.4	4630.9	4160.5
72.5°	371.8	366.2	498.2	671.1	963.0	1409.1	2191.8	3379.7	4207.0	4201.4	3667.9
75°	247.3	252.8	336.5	479.6	676.7	1089.4	1708.5	2550.6	2922.4	2900.1	2420.5
77.5°	176.6	172.9	208.2	345.8	453.6	661.8	927.7	1357.1	1552.3	1552.3	1329.2
80°	96.7	98.5	113.4	191.5	256.5	258.4	347.6	680.4	758.5	775.2	645.1
82.5°	27.9	29.7	40.9	65.1	70.6	78.1	120.8	195.2	204.5	215.6	174.7
85°	0.0	0.0	0.0	1.9	7.4	9.3	9.3	11.2	18.6	18.6	20.4
87.5°	0.0	0.0	0.0	0.0	0.0	1.9	1.9	3.7	7.4	7.4	9.3
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: GKO-PB2D-840-U-T2U

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1868.3	1868.3	1868.3	1868.3	1868.3	1868.3	1868.3	1868.3	1868.3	1868.3	1868.3
2.5°	1866.5	1868.3	1860.9	1851.6	1844.2	1840.4	1829.3	1820.0	1825.6	1831.2	1831.2
5°	1864.6	1862.8	1847.9	1831.2	1820.0	1812.6	1794.0	1781.0	1782.8	1788.4	1786.5
7.5°	1864.6	1857.2	1836.7	1812.6	1794.0	1779.1	1754.9	1740.1	1738.2	1741.9	1738.2
10°	1866.5	1853.5	1825.6	1792.1	1766.1	1743.8	1714.0	1697.3	1691.7	1693.6	1689.9
12.5°	1870.2	1849.7	1814.4	1771.7	1738.2	1708.5	1675.0	1654.5	1650.8	1654.5	1654.5
15°	1875.8	1849.7	1805.1	1753.1	1708.5	1675.0	1641.5	1622.9	1622.9	1624.8	1624.8
17.5°	1886.9	1855.3	1797.7	1732.6	1678.7	1641.5	1611.8	1598.8	1600.6	1606.2	1606.2
20°	1898.1	1862.8	1790.3	1712.2	1652.7	1609.9	1585.8	1576.5	1583.9	1591.3	1591.3
22.5°	1914.8	1872.0	1782.8	1693.6	1622.9	1580.2	1559.7	1552.3	1559.7	1569.0	1565.3
25°	1940.8	1888.8	1777.2	1676.9	1595.1	1548.6	1528.1	1520.7	1524.4	1531.8	1531.8
27.5°	1970.6	1909.2	1775.4	1656.4	1561.6	1511.4	1487.2	1476.1	1476.1	1477.9	1479.8
30°	2020.8	1944.6	1782.8	1641.5	1531.8	1472.4	1440.8	1424.0	1422.2	1429.6	1429.6
32.5°	2080.3	1992.9	1801.4	1628.5	1502.1	1425.9	1383.1	1370.1	1366.4	1372.0	1366.4
35°	2147.2	2046.8	1825.6	1626.7	1472.4	1375.7	1327.4	1312.5	1301.3	1297.6	1293.9
37.5°	2242.0	2121.2	1849.7	1617.4	1442.6	1321.8	1269.7	1238.1	1225.1	1221.4	1221.4
40°	2334.9	2193.7	1879.5	1602.5	1407.3	1267.9	1193.5	1158.2	1152.6	1152.6	1152.6
42.5°	2452.1	2288.5	1920.4	1593.2	1364.5	1214.0	1111.7	1070.8	1070.8	1070.8	1068.9
45°	2597.1	2413.0	1972.4	1589.5	1323.6	1148.9	1024.3	970.4	968.6	966.7	964.8
47.5°	2766.2	2543.2	2022.6	1580.2	1275.3	1070.8	923.9	864.5	851.4	847.7	842.1
50°	2941.0	2684.4	2076.5	1567.2	1217.7	979.7	829.1	760.3	732.5	723.2	726.9
52.5°	3126.9	2822.0	2128.6	1548.6	1148.9	888.6	732.5	660.0	632.1	620.9	619.1
55°	3309.1	2961.4	2176.9	1524.4	1074.5	795.7	650.7	580.0	555.9	552.1	552.1
57.5°	3493.1	3095.3	2214.1	1489.1	992.7	713.9	580.0	522.4	505.7	513.1	513.1
60°	3660.4	3212.4	2232.7	1440.8	910.9	639.5	524.2	481.5	474.1	492.6	490.8
62.5°	3811.0	3290.5	2223.4	1370.1	831.0	576.3	481.5	449.9	451.7	474.1	475.9
65°	3883.5	3303.5	2169.5	1273.4	741.8	522.4	436.9	407.1	410.8	435.0	440.6
67°	3866.8	3253.3	2080.3	1163.8	669.3	481.5	409.0	379.2	381.1	401.6	403.4
67.5°	3848.2	3229.1	2056.1	1130.3	650.7	474.1	401.6	373.7	377.4	396.0	396.0
70°	3601.0	2983.8	1833.0	959.3	563.3	422.0	366.2	347.6	351.4	362.5	362.5
72.5°	3147.3	2584.1	1483.5	769.6	477.8	373.7	330.9	319.8	319.8	319.8	310.5
75°	2007.8	1619.2	970.4	589.3	394.1	319.8	297.4	284.4	277.0	288.2	284.4
77.5°	1109.8	845.9	505.7	338.3	284.4	265.8	258.4	252.8	251.0	277.0	269.6
80°	526.1	418.3	284.4	193.3	163.6	197.1	223.1	219.4	262.1	358.8	360.7
82.5°	167.3	137.6	115.3	106.0	109.7	141.3	172.9	198.9	340.2	384.8	379.2
85°	20.4	18.6	13.0	42.8	72.5	104.1	133.9	258.4	312.3	260.3	245.4
87.5°	7.4	7.4	7.4	29.7	55.8	79.9	120.8	260.3	191.5	174.7	159.9
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: SP3-2511-595-3

Test Date: 11/12/2025

Luminaire Tested: GKO-PB1C-840-U-T4W

Data in this report applies to families of products including GKO-PB1C-840*

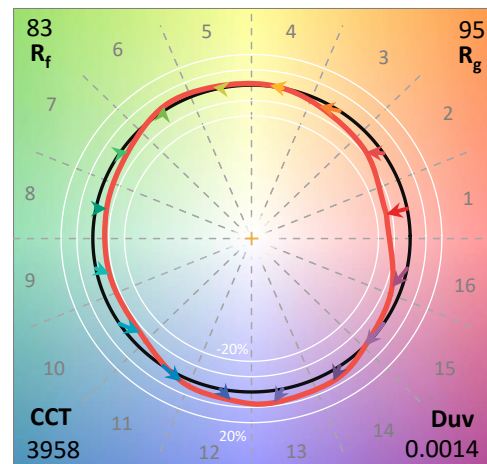
Test Information

Test Method: LM-79-2019
 Report Number: SP3-2511-595-3
 Test Lab: COOPER LIGHTING SOLUTIONS
 Photometer: SP3 - 3M SPHERE
 Measurement Geometry: 4π
 Issue Date: 01/27/2026
 Manufacturer: COOPER LIGHTING SOLUTIONS
 Product Line: McGraw-Edison
 Catalog Number: **GKO-PB1C-840-U-T4W**
 Description: Gekko Wedge Wall Pack Fixture 1 SQ w/ T4W distribution

Spectral Parameters

CCT (K): 3958
 CIE u' : 0.2251
 CIE v' : 0.5041
 Duv: 0.0014
 CIE x: 0.3833
 CIE y: 0.3816
 CIE z: 0.2351
 Peak Wavelength (nm): 450
 Dominant Wavelength (nm): 578
 Purity: 29.56261
 R_f: 82.9
 R_g: 94.7

CRI (Ra): 80.8
 R1: 78.3
 R2: 87.6
 R3: 95.0
 R4: 79.6
 R5: 78.8
 R6: 83.3
 R7: 84.3
 R8: 59.4
 R9: -5.1
 R10: 71.4
 R11: 78.5
 R12: 60.5
 R13: 80.5
 R14: 97.5
 R15: 70.7



Test Conditions

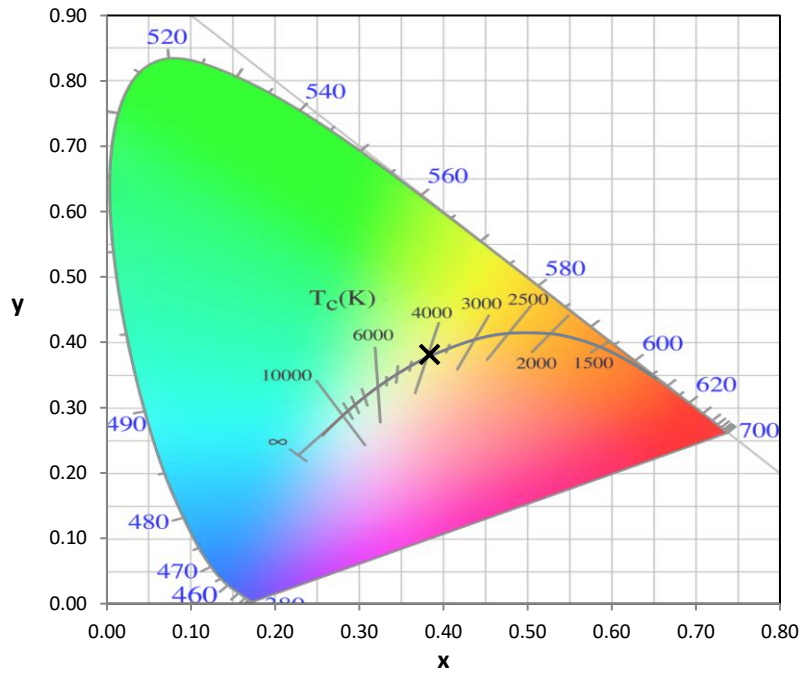
Stabilization Time: 20M
 Operation Time: 1H 20M
 Sphere Temperature (°C): 25.0

REPORT NUMBER: SP3-2511-595-3

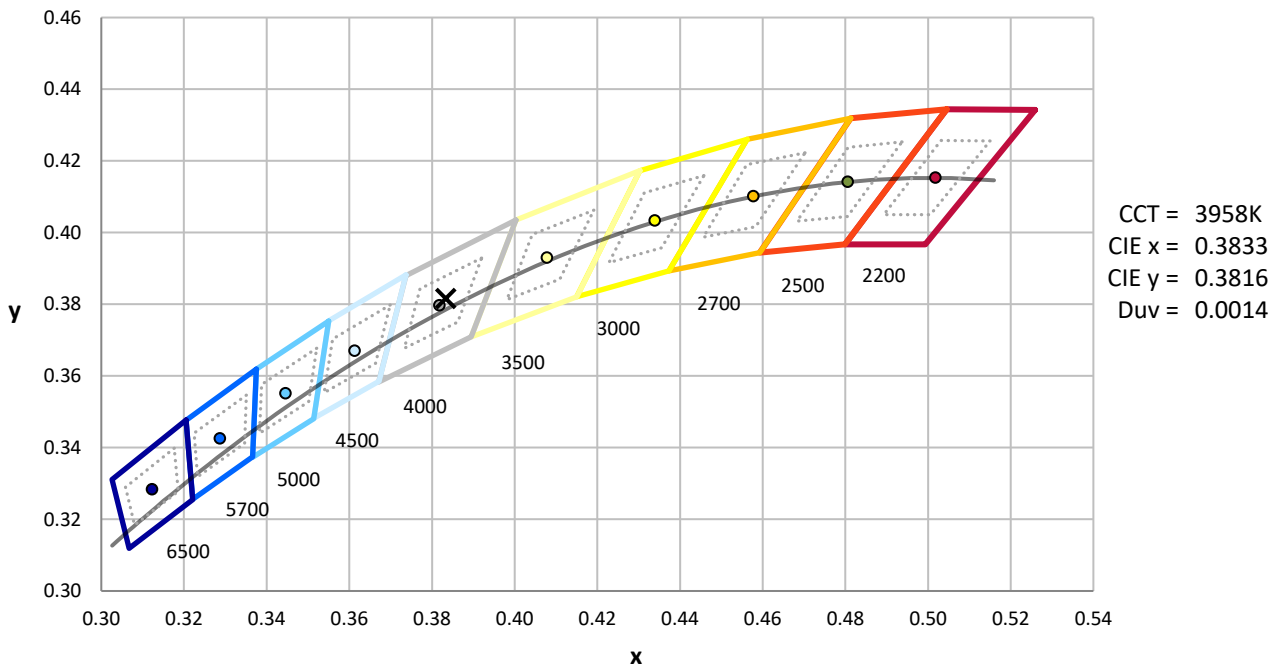
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	3M SPHERE IN02505	7/1/2025	1/1/2026
Power Meter	XITRON INXT2011006	10/21/2025	10/21/2026
AC Power Source	CHROMA 61604 IN6064A	10/20/2025	10/20/2026
DC Power Source	EYSIGHT N5770A IN0534	10/20/2025	10/20/2026
Sphere Thermometer	TANDD IN4036E	10/21/2025	10/21/2026

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CIE 1931 Chromaticity Diagram



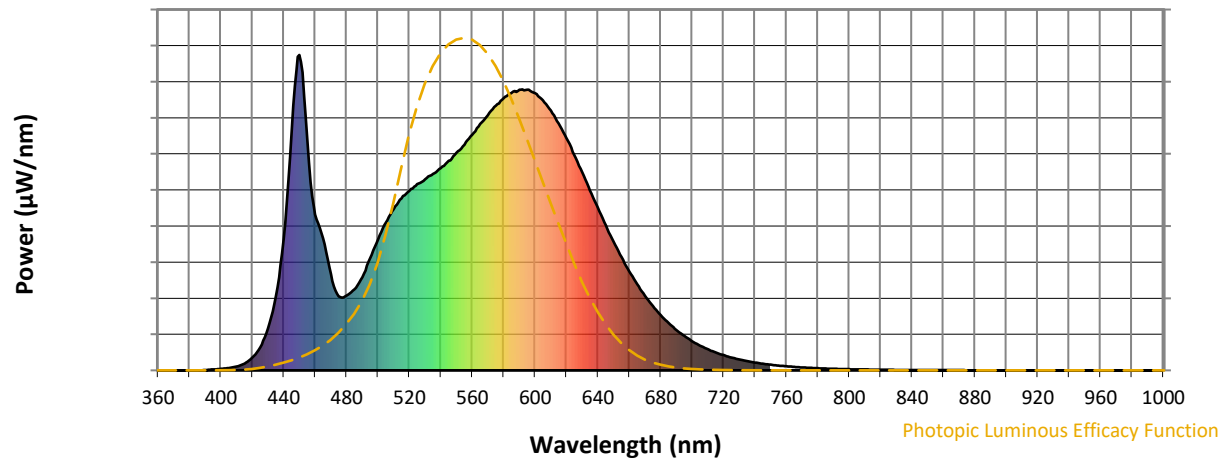
CIE 1931 Chromaticity Diagram with 2017 ANSI 7-Step and 4-Step Quadrangles



Point lies inside the ANSI 4000K 4-step quadrangle

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Photopic Flux vs. Wavelength

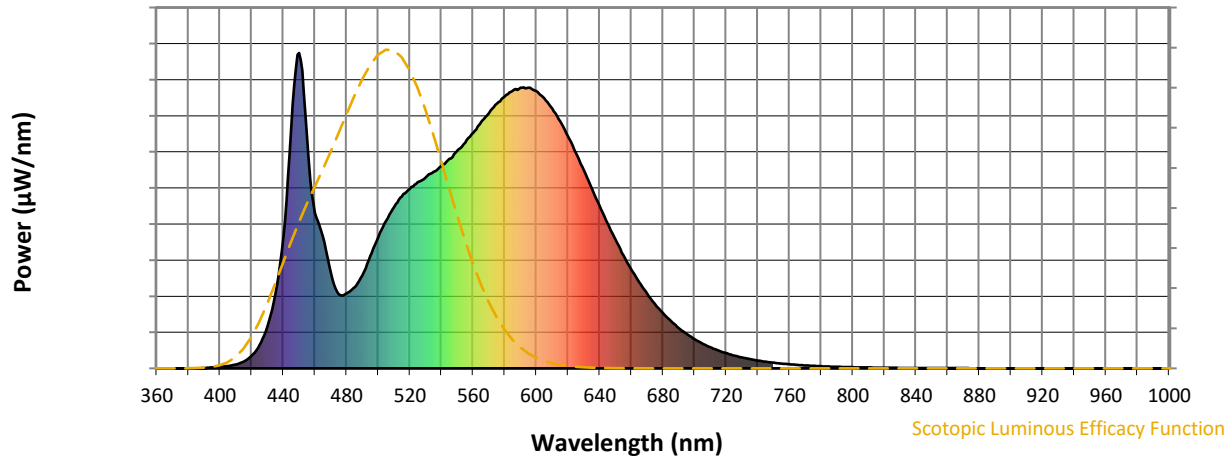


Photopic Lumens: NR

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	296	NR	620	736	NR	750	18	NR	880	0	NR
365	0	NR	495	355	NR	625	683	NR	755	15	NR	885	0	NR
370	0	NR	500	415	NR	630	628	NR	760	13	NR	890	0	NR
375	0	NR	505	468	NR	635	571	NR	765	11	NR	895	0	NR
380	0	NR	510	511	NR	640	515	NR	770	9	NR	900	0	NR
385	0	NR	515	545	NR	645	460	NR	775	8	NR	905	0	NR
390	1	NR	520	570	NR	650	408	NR	780	7	NR	910	0	NR
395	3	NR	525	590	NR	655	359	NR	785	6	NR	915	0	NR
400	5	NR	530	606	NR	660	313	NR	790	5	NR	920	0	NR
405	7	NR	535	623	NR	665	273	NR	795	4	NR	925	0	NR
410	12	NR	540	641	NR	670	236	NR	800	4	NR	930	0	NR
415	22	NR	545	664	NR	675	204	NR	805	3	NR	935	0	NR
420	40	NR	550	690	NR	680	175	NR	810	3	NR	940	0	NR
425	73	NR	555	715	NR	685	151	NR	815	2	NR	945	0	NR
430	133	NR	560	747	NR	690	128	NR	820	2	NR	950	0	NR
435	236	NR	565	781	NR	695	109	NR	825	2	NR	955	0	NR
440	416	NR	570	809	NR	700	93	NR	830	1	NR	960	0	NR
445	757	NR	575	840	NR	705	78	NR	835	1	NR	965	0	NR
450	1000	NR	580	863	NR	710	67	NR	840	1	NR	970	0	NR
455	730	NR	585	880	NR	715	57	NR	845	1	NR	975	0	NR
460	494	NR	590	890	NR	720	48	NR	850	1	NR	980	0	NR
465	419	NR	595	890	NR	725	41	NR	855	1	NR	985	0	NR
470	305	NR	600	879	NR	730	35	NR	860	1	NR	990	0	NR
475	235	NR	605	856	NR	735	29	NR	865	1	NR	995	0	NR
480	237	NR	610	824	NR	740	25	NR	870	1	NR	1000	0	NR
485	257	NR	615	783	NR	745	21	NR	875	1	NR			

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Scotopic Flux vs. Wavelength



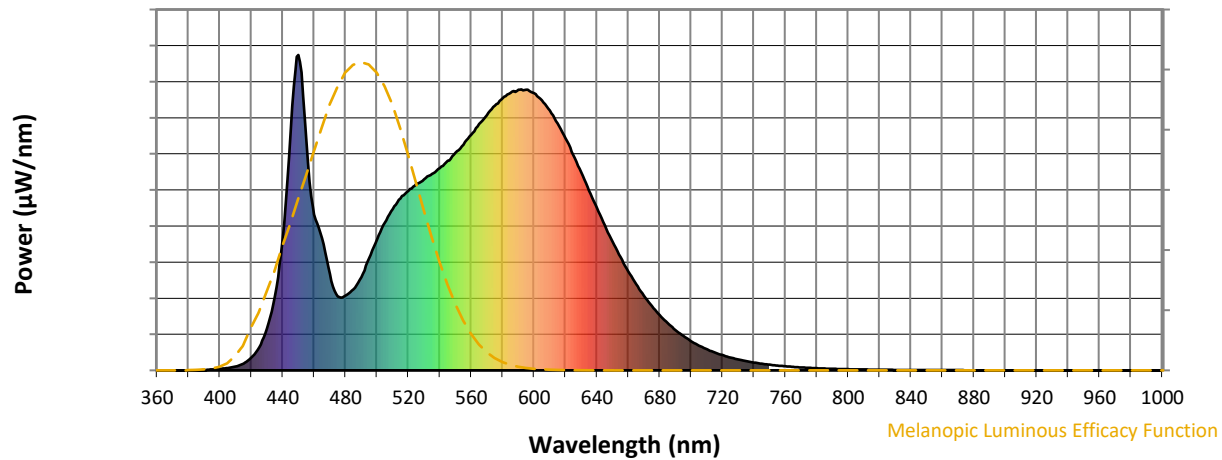
Scotopic Lumens: NR

S/P: 1.65

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	296	NR	620	736	NR	750	18	NR	880	0	NR
365	0	NR	495	355	NR	625	683	NR	755	15	NR	885	0	NR
370	0	NR	500	415	NR	630	628	NR	760	13	NR	890	0	NR
375	0	NR	505	468	NR	635	571	NR	765	11	NR	895	0	NR
380	0	NR	510	511	NR	640	515	NR	770	9	NR	900	0	NR
385	0	NR	515	545	NR	645	460	NR	775	8	NR	905	0	NR
390	1	NR	520	570	NR	650	408	NR	780	7	NR	910	0	NR
395	3	NR	525	590	NR	655	359	NR	785	6	NR	915	0	NR
400	5	NR	530	606	NR	660	313	NR	790	5	NR	920	0	NR
405	7	NR	535	623	NR	665	273	NR	795	4	NR	925	0	NR
410	12	NR	540	641	NR	670	236	NR	800	4	NR	930	0	NR
415	22	NR	545	664	NR	675	204	NR	805	3	NR	935	0	NR
420	40	NR	550	690	NR	680	175	NR	810	3	NR	940	0	NR
425	73	NR	555	715	NR	685	151	NR	815	2	NR	945	0	NR
430	133	NR	560	747	NR	690	128	NR	820	2	NR	950	0	NR
435	236	NR	565	781	NR	695	109	NR	825	2	NR	955	0	NR
440	416	NR	570	809	NR	700	93	NR	830	1	NR	960	0	NR
445	757	NR	575	840	NR	705	78	NR	835	1	NR	965	0	NR
450	1000	NR	580	863	NR	710	67	NR	840	1	NR	970	0	NR
455	730	NR	585	880	NR	715	57	NR	845	1	NR	975	0	NR
460	494	NR	590	890	NR	720	48	NR	850	1	NR	980	0	NR
465	419	NR	595	890	NR	725	41	NR	855	1	NR	985	0	NR
470	305	NR	600	879	NR	730	35	NR	860	1	NR	990	0	NR
475	235	NR	605	856	NR	735	29	NR	865	1	NR	995	0	NR
480	237	NR	610	824	NR	740	25	NR	870	1	NR	1000	0	NR
485	257	NR	615	783	NR	745	21	NR	875	1	NR			

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Melanopic Flux vs. Wavelength



Melanopic Lumens: NR

M/P: 3.36

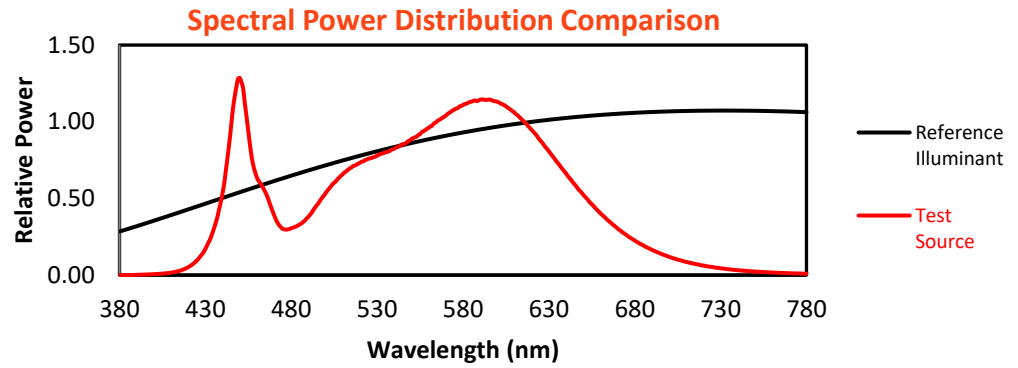
λ (nm)	Power W ^λ /nm	Lumens (φ/nm)	λ (nm)	Power W ^λ /nm	Lumens (φ/nm)	λ (nm)	Power W ^λ /nm	Lumens (φ/nm)	λ (nm)	Power W ^λ /nm	Lumens (φ/nm)	λ (nm)	Power W ^λ /nm	Lumens (φ/nm)
360	0	NR	490	296	NR	620	736	NR	750	18	NR	880	0	NR
365	0	NR	495	355	NR	625	683	NR	755	15	NR	885	0	NR
370	0	NR	500	415	NR	630	628	NR	760	13	NR	890	0	NR
375	0	NR	505	468	NR	635	571	NR	765	11	NR	895	0	NR
380	0	NR	510	511	NR	640	515	NR	770	9	NR	900	0	NR
385	0	NR	515	545	NR	645	460	NR	775	8	NR	905	0	NR
390	1	NR	520	570	NR	650	408	NR	780	7	NR	910	0	NR
395	3	NR	525	590	NR	655	359	NR	785	6	NR	915	0	NR
400	5	NR	530	606	NR	660	313	NR	790	5	NR	920	0	NR
405	7	NR	535	623	NR	665	273	NR	795	4	NR	925	0	NR
410	12	NR	540	641	NR	670	236	NR	800	4	NR	930	0	NR
415	22	NR	545	664	NR	675	204	NR	805	3	NR	935	0	NR
420	40	NR	550	690	NR	680	175	NR	810	3	NR	940	0	NR
425	73	NR	555	715	NR	685	151	NR	815	2	NR	945	0	NR
430	133	NR	560	747	NR	690	128	NR	820	2	NR	950	0	NR
435	236	NR	565	781	NR	695	109	NR	825	2	NR	955	0	NR
440	416	NR	570	809	NR	700	93	NR	830	1	NR	960	0	NR
445	757	NR	575	840	NR	705	78	NR	835	1	NR	965	0	NR
450	1000	NR	580	863	NR	710	67	NR	840	1	NR	970	0	NR
455	730	NR	585	880	NR	715	57	NR	845	1	NR	975	0	NR
460	494	NR	590	890	NR	720	48	NR	850	1	NR	980	0	NR
465	419	NR	595	890	NR	725	41	NR	855	1	NR	985	0	NR
470	305	NR	600	879	NR	730	35	NR	860	1	NR	990	0	NR
475	235	NR	605	856	NR	735	29	NR	865	1	NR	995	0	NR
480	237	NR	610	824	NR	740	25	NR	870	1	NR	1000	0	NR
485	257	NR	615	783	NR	745	21	NR	875	1	NR			

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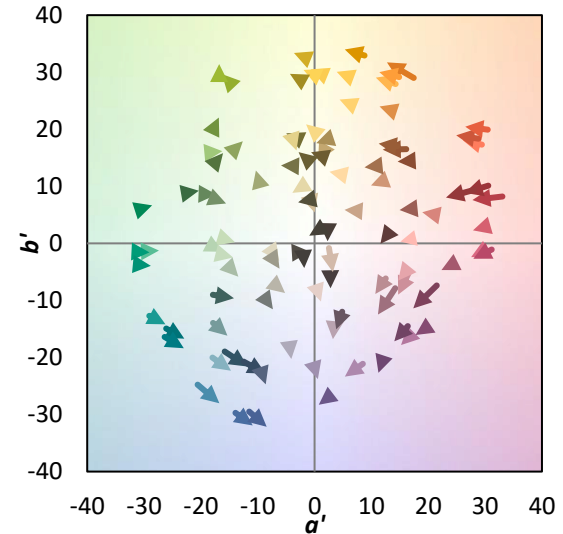
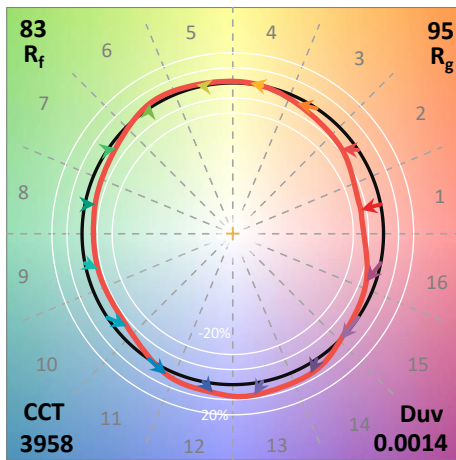
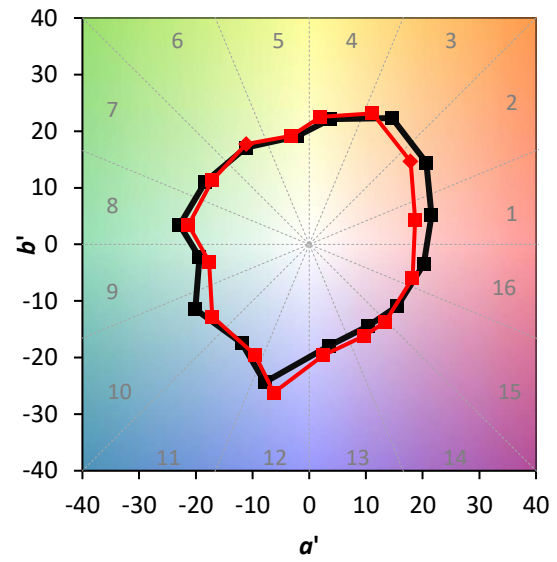
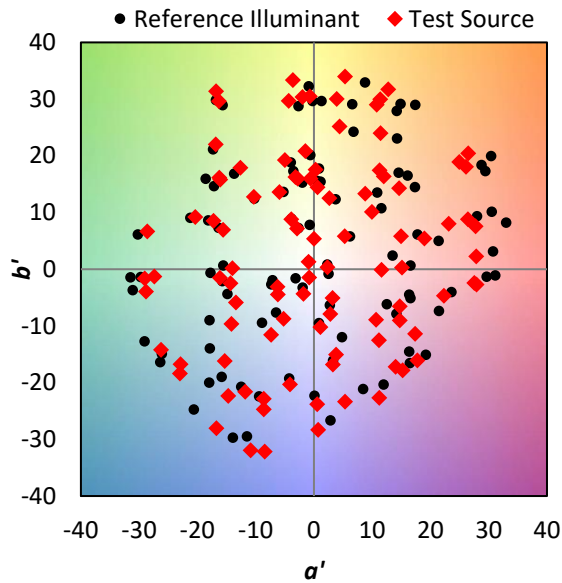
TM-30-18

Summary

$R_f = 82.9$
 $R_g = 94.7$
 $CIE R_a = 80.8$
 $R_g = -5.1$

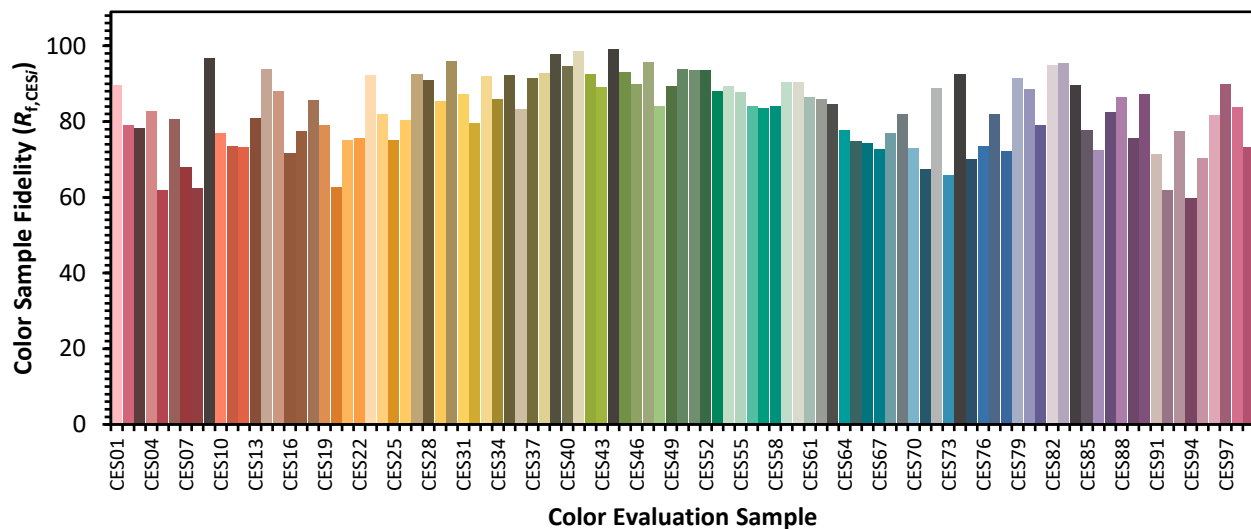


Color Vector Graphics

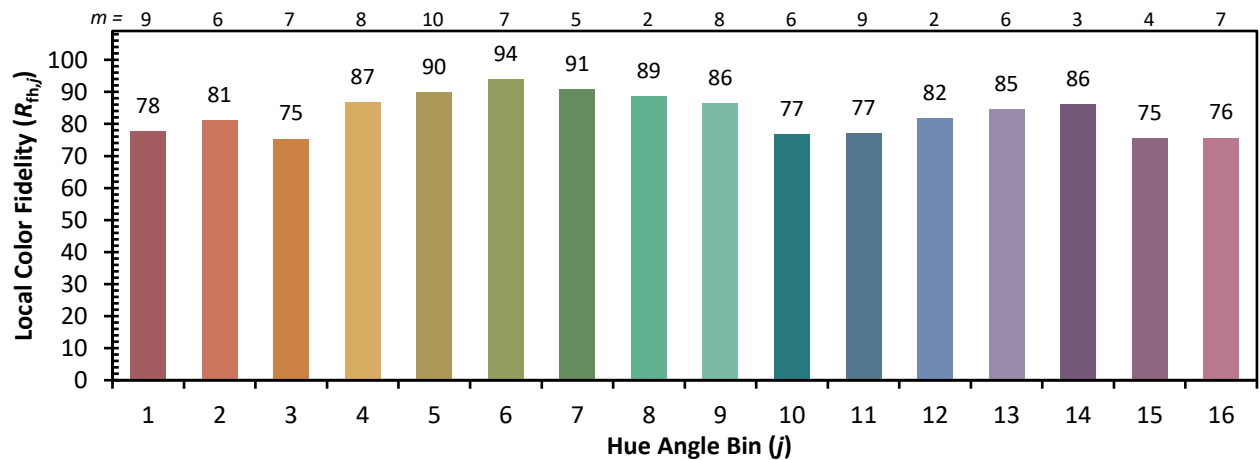
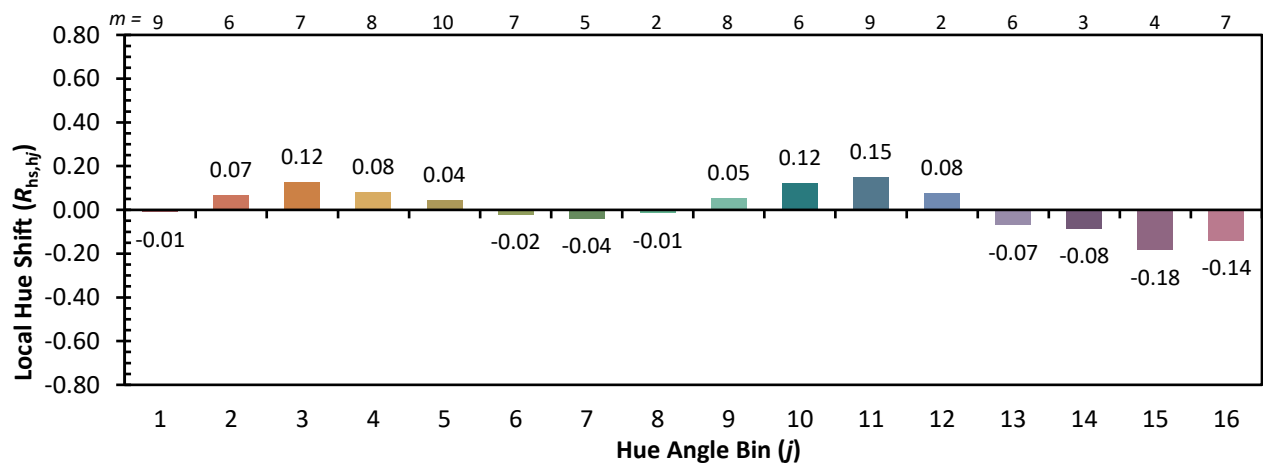
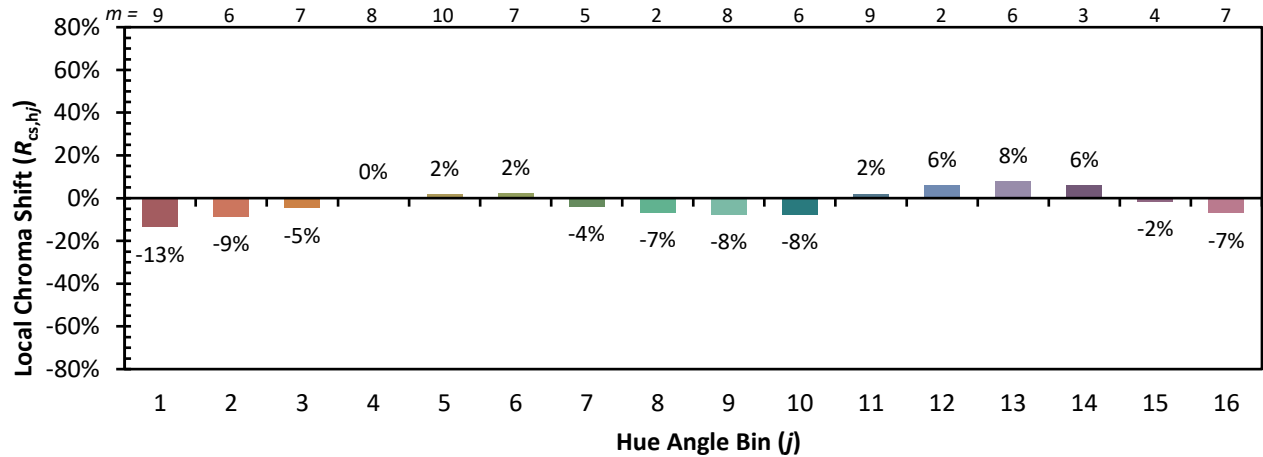


Individual Sample Fidelity Index ($R_{f,i}$)

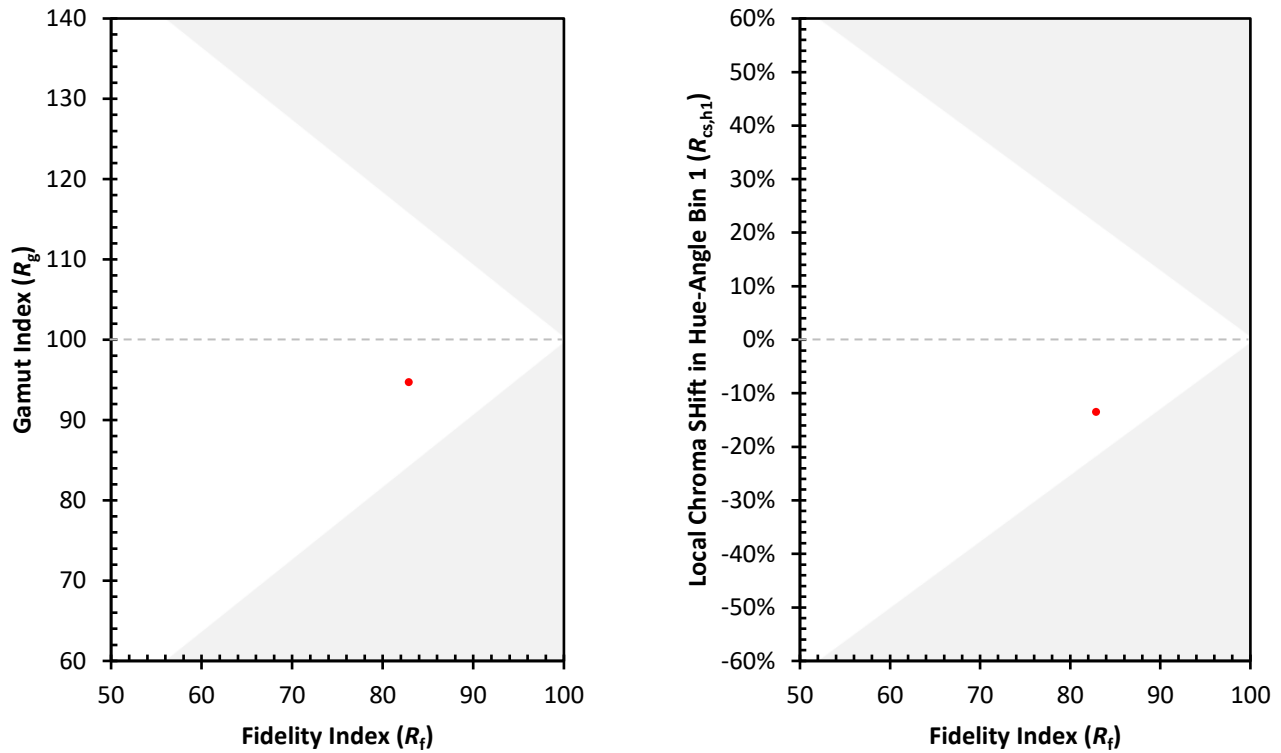
CES01 = 85	CES26 = 80	CES51 = 94	CES76 = 73
CES02 = 61	CES27 = 93	CES52 = 94	CES77 = 82
CES03 = 31	CES28 = 91	CES53 = 88	CES78 = 72
CES04 = 70	CES29 = 85	CES54 = 89	CES79 = 91
CES05 = 48	CES30 = 96	CES55 = 88	CES80 = 89
CES06 = 50	CES31 = 87	CES56 = 84	CES81 = 79
CES07 = 40	CES32 = 80	CES57 = 83	CES82 = 95
CES08 = 39	CES33 = 92	CES58 = 84	CES83 = 95
CES09 = 29	CES34 = 86	CES59 = 90	CES84 = 90
CES10 = 74	CES35 = 92	CES60 = 90	CES85 = 78
CES11 = 57	CES36 = 83	CES61 = 86	CES86 = 72
CES12 = 63	CES37 = 91	CES62 = 86	CES87 = 83
CES13 = 42	CES38 = 93	CES63 = 85	CES88 = 87
CES14 = 74	CES39 = 98	CES64 = 78	CES89 = 76
CES15 = 71	CES40 = 95	CES65 = 75	CES90 = 87
CES16 = 47	CES41 = 99	CES66 = 74	CES91 = 71
CES17 = 49	CES42 = 93	CES67 = 73	CES92 = 62
CES18 = 56	CES43 = 89	CES68 = 77	CES93 = 77
CES19 = 71	CES44 = 99	CES69 = 82	CES94 = 60
CES20 = 65	CES45 = 93	CES70 = 73	CES95 = 70
CES21 = 86	CES46 = 90	CES71 = 67	CES96 = 82
CES22 = 78	CES47 = 96	CES72 = 89	CES97 = 90
CES23 = 91	CES48 = 84	CES73 = 66	CES98 = 84
CES24 = 90	CES49 = 89	CES74 = 93	CES99 = 73
CES25 = 71	CES50 = 94	CES75 = 70	



Color Rendition by Hue-Angle Bin



Measure Comparisons



(END OF REPORT)