

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: P972278

Luminaire Tested: **GKO-PB2D-740-U-T3**

Issue Date: 02/27/2025



Test Information

Test Method: LM-79-08
Report Number: P972278
Test Lab: INNOVATION CENTER(G1)
Issue Date: 02/27/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: MCGRAW-EDISON
Catalog Number: GKO-PB2D-740-U-T3
Description: GEKKO WALL PACK 10000LM PACKAGE 70CRI 4000K FIXTURE w/ TYPE III DISTRIBUTION OPTIC
Light Source: (20) 4000K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 10362.3 lumens
Efficiency: N/A
Efficacy: 136.0 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): 76.2
Input Voltage (V): 120
Input Current (A_{in}): 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

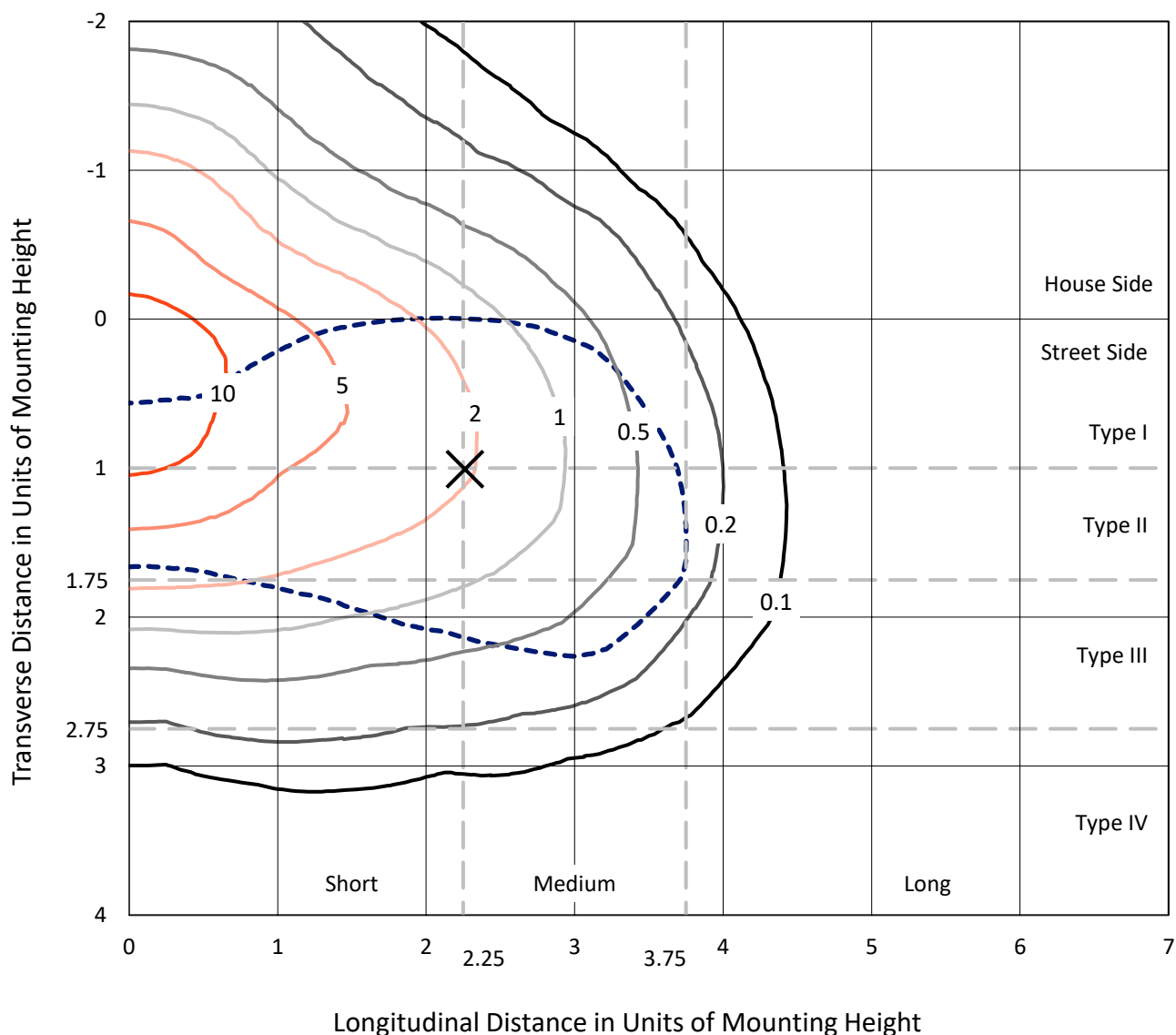
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

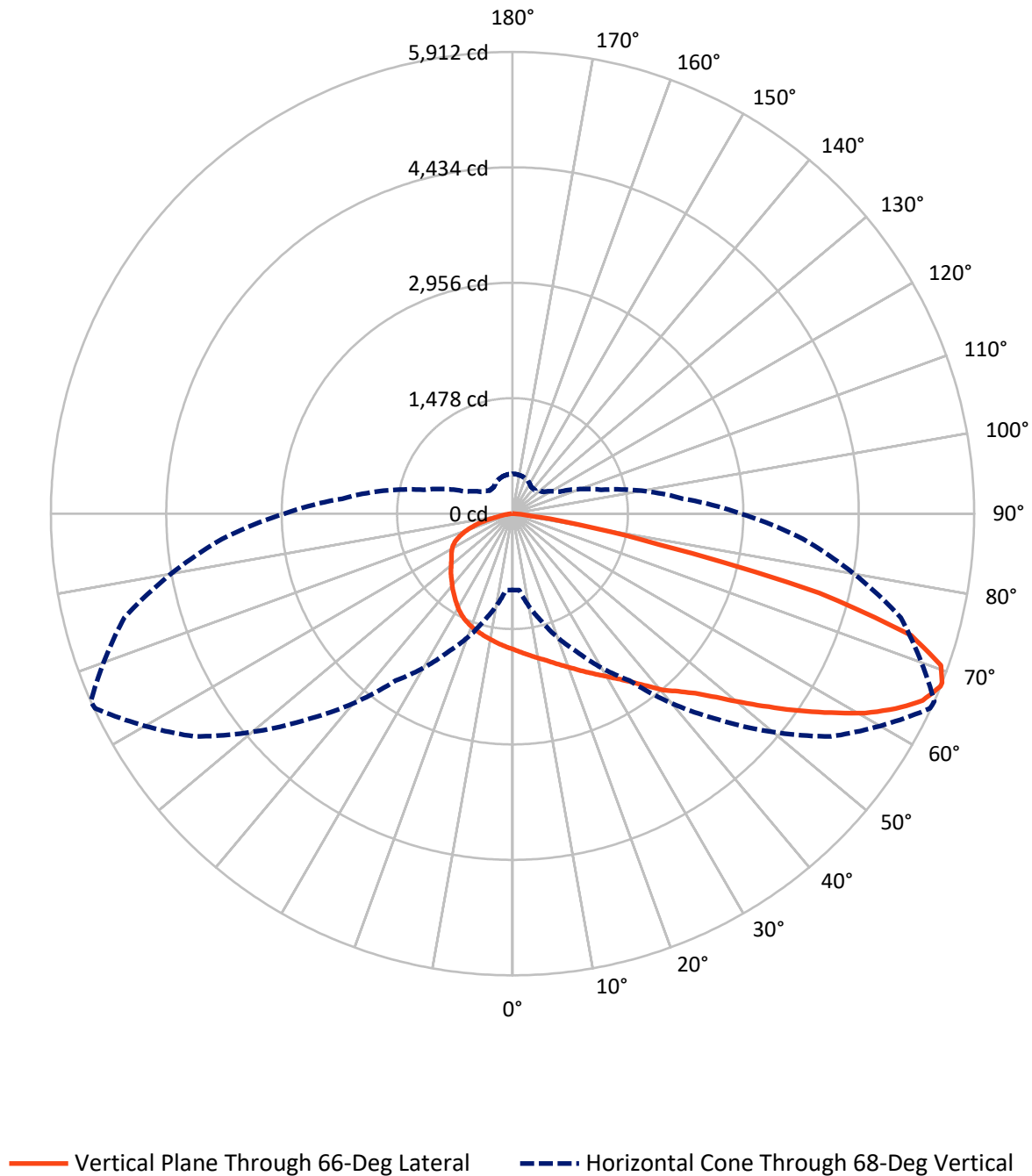
--- 1/2 Max cd



Based on 12 foot mounting height. Maximum calculated value = 13.9 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	2652.9	0.0	2652.9
	% Fixture	25.6	0.0	25.6
Street Side	Lumens	7709.4	0.0	7709.4
	% Fixture	74.4	0.0	74.4
Total	Lumens	10362.3	0.0	10362.3
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	166.7	1.6
10°-20°	501.2	4.8
20°-30°	863.6	8.3
30°-40°	1339.7	12.9
40°-50°	1835.3	17.7
50°-60°	2189.3	21.1
60°-70°	2193.7	21.2
70°-80°	1160.9	11.2
80°-90°	112.0	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°	10362.3	100.0
0°-180°	10362.3	100.0



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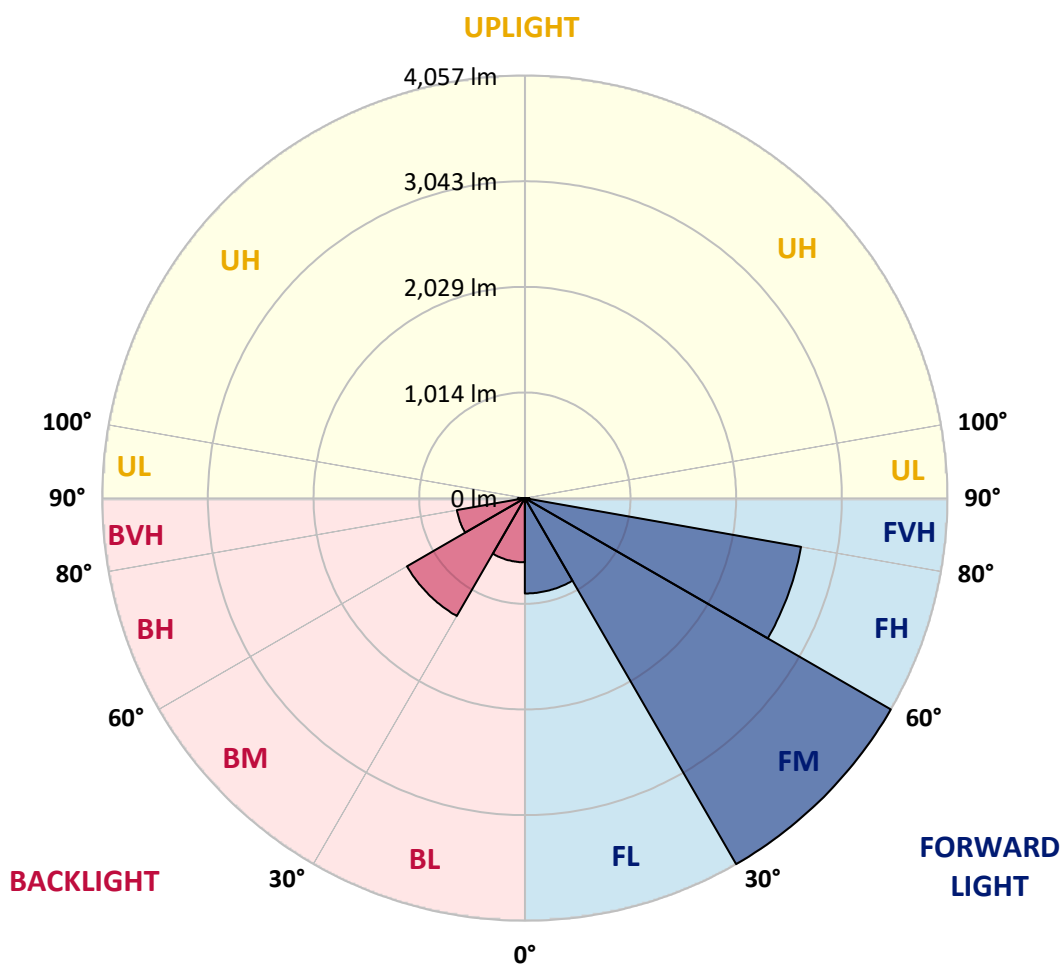
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	915.3	8.8			
FM	(30°-60°)	4057.4	39.2			
FH	(60°-80°)	2692.7	26.0			G2/5000
FVH	(80°-90°)	44.0	0.4			G1/100
BL	(0°-30°)	616.2	5.9	B2/1000		
BM	(30°-60°)	1306.8	12.6	B2/2500		
BH	(60°-80°)	661.9	6.4	B2/1000		G2/1000
BVH	(80°-90°)	68.0	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°	1738.0	1738.0	1738.0	1738.0	1738.0	1738.0	1738.0	1738.0	1738.0	1738.0	1738.0
2.5°	1810.4	1810.4	1806.4	1804.4	1802.4	1790.3	1782.2	1772.2	1772.2	1756.1	1742.0
5°	1872.8	1874.8	1866.7	1866.7	1858.7	1842.6	1826.5	1806.4	1806.4	1782.2	1754.1
7.5°	1927.1	1933.1	1925.1	1925.1	1917.0	1898.9	1872.8	1844.6	1844.6	1810.4	1770.2
10°	1979.4	1983.4	1979.4	1983.4	1971.3	1955.2	1925.1	1886.8	1884.8	1842.6	1786.3
12.5°	2021.6	2025.6	2027.7	2033.7	2023.6	2011.6	1983.4	1935.1	1929.1	1878.8	1806.4
15°	2061.8	2065.9	2071.9	2080.0	2077.9	2067.9	2041.7	1987.4	1983.4	1919.0	1832.5
17.5°	2094.0	2096.0	2108.1	2124.2	2128.2	2130.2	2102.1	2045.8	2041.7	1965.3	1860.7
20°	2140.3	2144.3	2156.4	2172.5	2184.6	2192.6	2170.5	2108.1	2104.1	2019.6	1896.9
22.5°	2244.9	2238.9	2244.9	2244.9	2250.9	2263.0	2246.9	2184.6	2176.5	2084.0	1941.2
25°	2442.0	2436.0	2419.9	2383.7	2343.5	2341.5	2323.4	2263.0	2252.9	2150.4	1983.4
27.5°	2717.6	2703.5	2673.4	2596.9	2500.4	2438.0	2409.8	2347.5	2335.4	2216.7	2023.6
30°	3009.3	3025.4	2975.1	2870.5	2693.5	2560.7	2506.4	2436.0	2425.9	2291.2	2071.9
32.5°	3349.2	3351.3	3301.0	3156.1	2926.8	2715.6	2623.1	2536.6	2528.5	2377.7	2136.3
35°	3546.4	3554.4	3532.3	3397.5	3136.0	2886.6	2763.9	2659.3	2653.2	2486.3	2216.7
37.5°	3751.6	3769.7	3735.5	3586.6	3294.9	3045.5	2920.8	2806.1	2800.1	2611.0	2317.3
40°	4055.3	4047.3	4011.1	3791.8	3443.8	3178.3	3075.7	2985.2	2971.1	2763.9	2419.9
42.5°	4274.6	4294.7	4216.2	3968.8	3606.7	3311.0	3230.6	3128.0	3109.9	2856.4	2480.3
45°	4349.0	4330.9	4244.4	4063.4	3820.0	3431.7	3377.4	3299.0	3280.9	3019.4	2598.9
47.5°	4365.1	4332.9	4256.5	4119.7	4001.0	3588.6	3556.4	3538.3	3512.2	3224.5	2741.8
50°	4266.5	4244.4	4208.2	4139.8	4117.7	3735.5	3751.6	3817.9	3795.8	3445.8	2900.7
52.5°	4043.2	4033.2	4065.4	4109.6	4051.3	3862.2	3982.9	4117.7	4109.6	3689.2	3071.7
55°	3622.8	3622.8	3803.9	3958.8	3992.9	3944.7	4232.3	4463.7	4453.6	3962.8	3234.6
57.5°	3238.6	3244.6	3395.5	3743.5	3888.3	4033.2	4509.9	4825.7	4809.6	4270.5	3405.6
60°	2753.8	2753.8	2983.1	3419.7	3737.5	4101.6	4755.3	5175.7	5185.8	4568.3	3574.5
62.5°	2180.5	2186.6	2504.4	3017.3	3520.2	4113.6	4950.5	5505.6	5503.6	4837.8	3705.3
65°	1607.2	1609.2	2041.7	2570.8	3194.4	4029.2	5057.1	5759.1	5771.2	5051.0	3781.7
67.5°	1044.0	1064.1	1502.6	2086.0	2733.7	3789.8	5000.7	5893.9	5908.0	5149.6	3757.6
68°	977.6	981.6	1422.2	1953.2	2609.0	3729.4	4974.6	5899.9	5912.0	5147.6	3733.5
70°	633.6	633.6	1017.8	1524.8	2082.0	3353.3	4747.3	5805.4	5819.4	5059.1	3558.5
72.5°	342.0	348.0	581.3	923.3	1422.2	2594.9	4284.6	5312.5	5336.7	4574.3	3111.9
75°	239.4	243.4	337.9	517.0	774.5	1689.7	3349.2	4059.3	4055.3	3160.2	1949.2
77.5°	173.0	173.0	193.1	321.8	406.3	772.4	1657.5	1955.2	1933.1	1542.9	983.7
80°	112.6	112.6	120.7	169.0	195.1	235.4	506.9	846.9	863.0	752.3	490.8
82.5°	46.3	48.3	52.3	68.4	70.4	98.6	144.8	243.4	235.4	191.1	138.8
85°	6.0	6.0	8.0	10.1	12.1	22.1	20.1	20.1	20.1	24.1	22.1
87.5°	0.0	0.0	0.0	0.0	0.0	2.0	4.0	6.0	6.0	8.0	6.0
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°	1738.0	1738.0	1738.0	1738.0	1738.0	1738.0	1738.0	1738.0	1738.0	1738.0	1738.0
2.5°	1738.0	1738.0	1725.9	1713.8	1701.8	1691.7	1677.6	1667.6	1669.6	1675.6	1673.6
5°	1748.0	1738.0	1713.8	1687.7	1667.6	1649.5	1623.3	1609.2	1607.2	1611.3	1609.2
7.5°	1754.1	1738.0	1701.8	1661.5	1629.4	1605.2	1569.0	1554.9	1548.9	1550.9	1550.9
10°	1766.2	1740.0	1689.7	1633.4	1593.2	1559.0	1520.7	1500.6	1494.6	1494.6	1492.6
12.5°	1780.2	1744.0	1677.6	1609.2	1556.9	1516.7	1472.5	1450.3	1444.3	1444.3	1442.3
15°	1794.3	1750.1	1665.6	1583.1	1522.8	1474.5	1432.2	1406.1	1398.0	1398.0	1402.1
17.5°	1812.4	1756.1	1653.5	1559.0	1486.5	1432.2	1388.0	1361.8	1351.8	1357.8	1361.8
20°	1830.5	1768.2	1641.4	1532.8	1450.3	1394.0	1349.8	1323.6	1313.5	1323.6	1325.6
22.5°	1856.7	1778.2	1627.4	1502.6	1414.1	1351.8	1311.5	1287.4	1281.4	1291.4	1299.5
25°	1882.8	1790.3	1609.2	1470.5	1367.9	1307.5	1275.3	1257.2	1259.2	1273.3	1281.4
27.5°	1911.0	1800.3	1591.1	1430.2	1317.6	1261.2	1237.1	1233.1	1241.1	1257.2	1267.3
30°	1945.2	1814.4	1567.0	1384.0	1261.2	1211.0	1200.9	1213.0	1227.1	1243.1	1253.2
32.5°	1989.4	1832.5	1542.9	1331.7	1202.9	1156.6	1172.7	1198.9	1215.0	1231.1	1241.1
35°	2051.8	1868.7	1528.8	1279.4	1140.6	1110.4	1146.6	1188.8	1200.9	1211.0	1223.0
37.5°	2124.2	1917.0	1522.8	1231.1	1084.2	1070.2	1120.4	1170.7	1174.8	1178.8	1190.8
40°	2194.6	1953.2	1506.7	1178.8	1025.9	1025.9	1088.3	1136.5	1134.5	1128.5	1136.5
42.5°	2222.8	1949.2	1460.4	1128.5	979.6	981.6	1038.0	1084.2	1072.2	1072.2	1084.2
45°	2303.2	1981.4	1426.2	1088.3	937.4	929.3	973.6	1009.8	1029.9	1056.1	1068.1
47.5°	2405.8	2025.6	1400.0	1042.0	897.2	871.0	895.1	955.5	989.7	1017.8	1027.9
50°	2512.4	2075.9	1375.9	993.7	856.9	804.6	816.7	883.1	913.2	927.3	933.4
52.5°	2621.1	2122.2	1357.8	953.5	810.7	726.2	752.3	814.7	836.8	844.9	848.9
55°	2717.6	2160.4	1341.7	919.3	758.4	663.8	683.9	748.3	764.4	772.4	778.5
57.5°	2820.2	2202.7	1331.7	887.1	700.0	609.5	623.6	681.9	704.0	712.1	718.1
60°	2910.7	2242.9	1323.6	852.9	645.7	561.2	569.3	625.6	649.7	653.8	659.8
62.5°	2971.1	2269.0	1311.5	810.7	595.4	515.0	517.0	571.3	597.4	601.5	605.5
65°	2987.2	2263.0	1275.3	754.3	545.1	468.7	468.7	521.0	549.2	563.2	569.3
67.5°	2938.9	2212.7	1198.9	681.9	496.9	426.5	426.5	472.7	502.9	519.0	525.0
68°	2922.8	2190.6	1174.8	663.8	484.8	416.4	416.4	464.7	492.8	506.9	510.9
70°	2786.0	2082.0	1064.1	595.4	446.6	386.2	386.2	428.5	458.6	458.6	456.6
72.5°	2419.9	1804.4	875.0	498.9	390.2	342.0	348.0	388.2	398.3	408.3	406.3
75°	1498.6	1080.2	587.4	394.3	327.9	299.7	311.8	348.0	354.0	376.2	370.1
77.5°	750.3	529.0	311.8	229.3	253.5	257.5	279.6	305.8	323.9	348.0	331.9
80°	370.1	257.5	183.1	142.8	148.9	189.1	243.4	263.5	295.7	311.8	297.7
82.5°	102.6	78.5	74.4	78.5	110.6	146.8	191.1	233.3	275.6	289.7	269.5
85°	18.1	14.1	12.1	38.2	76.4	108.6	154.9	207.2	247.4	237.4	223.3
87.5°	6.0	4.0	4.0	24.1	56.3	88.5	132.8	185.1	211.2	191.1	171.0
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: SP2-2501-321-1

Test Date: 04/09/2025

Luminaire Tested: GKO-PB1E-740-U-T4W

Data in this report applies to families of products including GKO-PB1E-740-U-T4W

Test Information

Test Method: LM-79-2019
 Report Number: SP2-2501-321-1
 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-740-U-T4W**
 Description: Gekko Wedge Wall Pack Fixture 1 SQ w/ T4W distribution

Spectral Parameters

CCT (K):	3916	CRI (Ra):	71.0		
CIE u':	0.2259	R1:	67.4	R9:	-37.9
CIE v':	0.5049	R2:	78.3	R10:	48.9
Duv:	0.0014	R3:	87.2	R11:	64.6
CIE x:	0.3853	R4:	69.5	R12:	40.9
CIE y:	0.3827	R5:	67.2	R13:	69.2
CIE z:	0.2321	R6:	69.3	R14:	92.7
Peak Wavelength (nm):	449	R7:	79.9	R15:	59.8
Dominant Wavelength (nm):	578	R8:	48.9		
Purity:	30.46652				
Rf:	73.5				
Rg:	93.5				



Test Conditions

Stabilization Time: 33M
 Operation Time: 1H 33M
 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 4000K 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	132	NR	620	668	NR	750	17	NR	880	1	NR
365	0	NR	495	174	NR	625	611	NR	755	15	NR	885	0	NR
370	0	NR	500	238	NR	630	554	NR	760	13	NR	890	0	NR
375	0	NR	505	314	NR	635	498	NR	765	11	NR	895	0	NR
380	0	NR	510	392	NR	640	445	NR	770	10	NR	900	0	NR
385	1	NR	515	467	NR	645	394	NR	775	8	NR	905	0	NR
390	2	NR	520	526	NR	650	347	NR	780	7	NR	910	0	NR
395	4	NR	525	575	NR	655	305	NR	785	6	NR	915	0	NR
400	6	NR	530	613	NR	660	266	NR	790	5	NR	920	0	NR
405	10	NR	535	644	NR	665	231	NR	795	5	NR	925	0	NR
410	18	NR	540	673	NR	670	200	NR	800	4	NR	930	0	NR
415	34	NR	545	703	NR	675	174	NR	805	4	NR	935	0	NR
420	66	NR	550	734	NR	680	150	NR	810	3	NR	940	0	NR
425	124	NR	555	768	NR	685	129	NR	815	3	NR	945	0	NR
430	216	NR	560	804	NR	690	111	NR	820	2	NR	950	0	NR
435	352	NR	565	838	NR	695	95	NR	825	2	NR	955	0	NR
440	548	NR	570	872	NR	700	81	NR	830	2	NR	960	0	NR
445	836	NR	575	896	NR	705	69	NR	835	2	NR	965	0	NR
450	997	NR	580	913	NR	710	60	NR	840	1	NR	970	0	NR
455	705	NR	585	917	NR	715	51	NR	845	1	NR	975	0	NR
460	429	NR	590	911	NR	720	44	NR	850	1	NR	980	0	NR
465	316	NR	595	891	NR	725	38	NR	855	1	NR	985	0	NR
470	213	NR	600	862	NR	730	32	NR	860	1	NR	990	0	NR
475	143	NR	605	822	NR	735	28	NR	865	1	NR	995	0	NR
480	121	NR	610	776	NR	740	24	NR	870	1	NR	1000	0	NR
485	118	NR	615	725	NR	745	20	NR	875	1	NR			

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Scotopic Flux vs. Wavelength



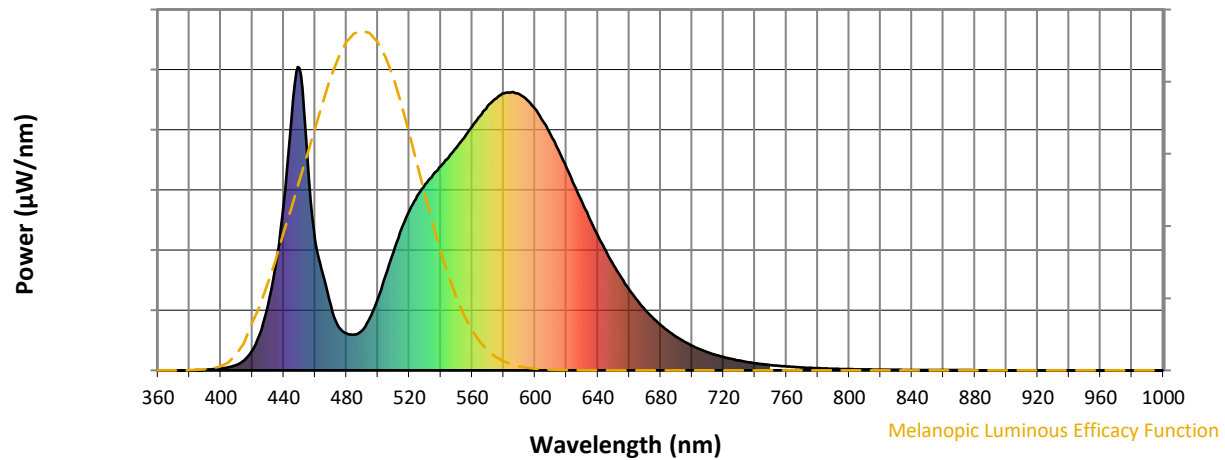
Scotopic Lumens: NR

S/P: 1.49

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	132	NR	620	668	NR	750	17	NR	880	1	NR
365	0	NR	495	174	NR	625	611	NR	755	15	NR	885	0	NR
370	0	NR	500	238	NR	630	554	NR	760	13	NR	890	0	NR
375	0	NR	505	314	NR	635	498	NR	765	11	NR	895	0	NR
380	0	NR	510	392	NR	640	445	NR	770	10	NR	900	0	NR
385	1	NR	515	467	NR	645	394	NR	775	8	NR	905	0	NR
390	2	NR	520	526	NR	650	347	NR	780	7	NR	910	0	NR
395	4	NR	525	575	NR	655	305	NR	785	6	NR	915	0	NR
400	6	NR	530	613	NR	660	266	NR	790	5	NR	920	0	NR
405	10	NR	535	644	NR	665	231	NR	795	5	NR	925	0	NR
410	18	NR	540	673	NR	670	200	NR	800	4	NR	930	0	NR
415	34	NR	545	703	NR	675	174	NR	805	4	NR	935	0	NR
420	66	NR	550	734	NR	680	150	NR	810	3	NR	940	0	NR
425	124	NR	555	768	NR	685	129	NR	815	3	NR	945	0	NR
430	216	NR	560	804	NR	690	111	NR	820	2	NR	950	0	NR
435	352	NR	565	838	NR	695	95	NR	825	2	NR	955	0	NR
440	548	NR	570	872	NR	700	81	NR	830	2	NR	960	0	NR
445	836	NR	575	896	NR	705	69	NR	835	2	NR	965	0	NR
450	997	NR	580	913	NR	710	60	NR	840	1	NR	970	0	NR
455	705	NR	585	917	NR	715	51	NR	845	1	NR	975	0	NR
460	429	NR	590	911	NR	720	44	NR	850	1	NR	980	0	NR
465	316	NR	595	891	NR	725	38	NR	855	1	NR	985	0	NR
470	213	NR	600	862	NR	730	32	NR	860	1	NR	990	0	NR
475	143	NR	605	822	NR	735	28	NR	865	1	NR	995	0	NR
480	121	NR	610	776	NR	740	24	NR	870	1	NR	1000	0	NR
485	118	NR	615	725	NR	745	20	NR	875	1	NR			

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Melanopic Flux vs. Wavelength



Melanopic Lumens: NR

M/P: 2.88

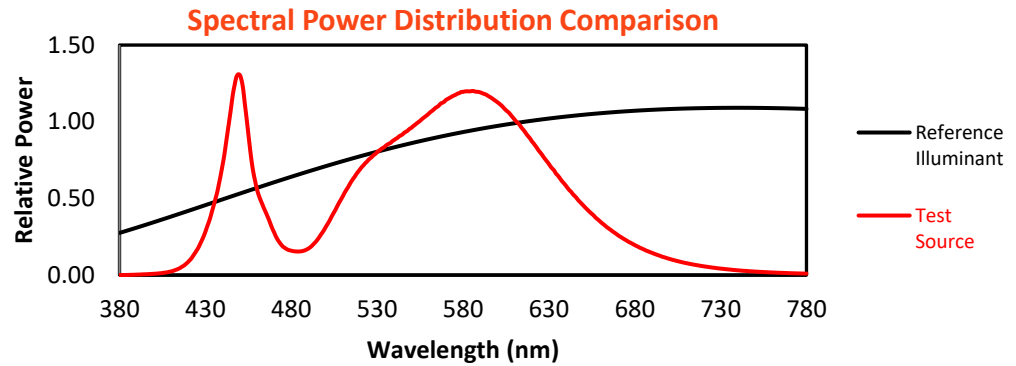
λ (nm)	Power $\text{W}^{\wedge}/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^{\wedge}/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^{\wedge}/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^{\wedge}/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^{\wedge}/\text{nm}$	Lumens (ϕ/nm)
360	0	NR	490	132	NR	620	668	NR	750	17	NR	880	1	NR
365	0	NR	495	174	NR	625	611	NR	755	15	NR	885	0	NR
370	0	NR	500	238	NR	630	554	NR	760	13	NR	890	0	NR
375	0	NR	505	314	NR	635	498	NR	765	11	NR	895	0	NR
380	0	NR	510	392	NR	640	445	NR	770	10	NR	900	0	NR
385	1	NR	515	467	NR	645	394	NR	775	8	NR	905	0	NR
390	2	NR	520	526	NR	650	347	NR	780	7	NR	910	0	NR
395	4	NR	525	575	NR	655	305	NR	785	6	NR	915	0	NR
400	6	NR	530	613	NR	660	266	NR	790	5	NR	920	0	NR
405	10	NR	535	644	NR	665	231	NR	795	5	NR	925	0	NR
410	18	NR	540	673	NR	670	200	NR	800	4	NR	930	0	NR
415	34	NR	545	703	NR	675	174	NR	805	4	NR	935	0	NR
420	66	NR	550	734	NR	680	150	NR	810	3	NR	940	0	NR
425	124	NR	555	768	NR	685	129	NR	815	3	NR	945	0	NR
430	216	NR	560	804	NR	690	111	NR	820	2	NR	950	0	NR
435	352	NR	565	838	NR	695	95	NR	825	2	NR	955	0	NR
440	548	NR	570	872	NR	700	81	NR	830	2	NR	960	0	NR
445	836	NR	575	896	NR	705	69	NR	835	2	NR	965	0	NR
450	997	NR	580	913	NR	710	60	NR	840	1	NR	970	0	NR
455	705	NR	585	917	NR	715	51	NR	845	1	NR	975	0	NR
460	429	NR	590	911	NR	720	44	NR	850	1	NR	980	0	NR
465	316	NR	595	891	NR	725	38	NR	855	1	NR	985	0	NR
470	213	NR	600	862	NR	730	32	NR	860	1	NR	990	0	NR
475	143	NR	605	822	NR	735	28	NR	865	1	NR	995	0	NR
480	121	NR	610	776	NR	740	24	NR	870	1	NR	1000	0	NR
485	118	NR	615	725	NR	745	20	NR	875	1	NR			

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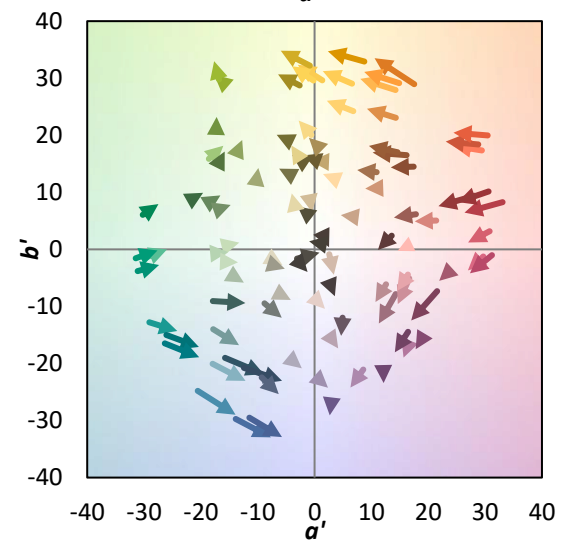
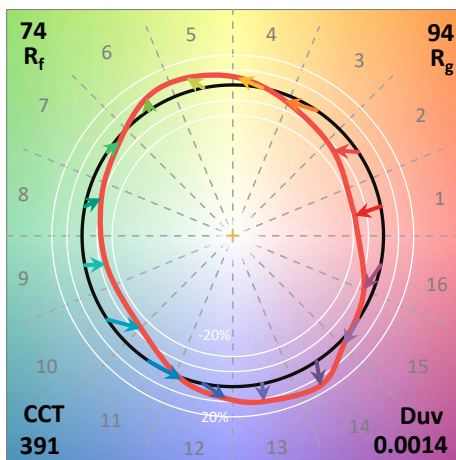
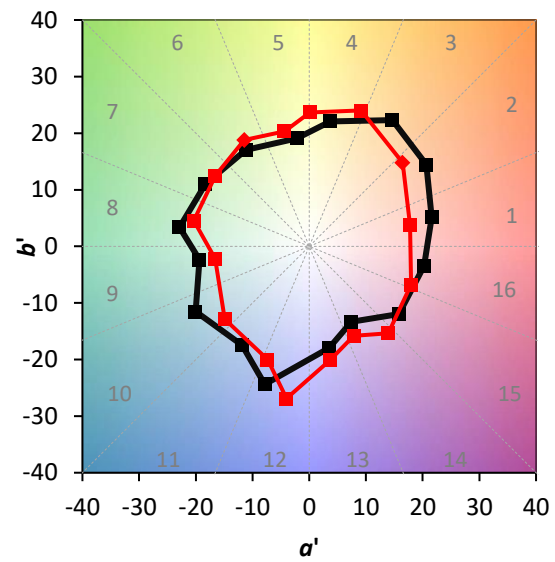
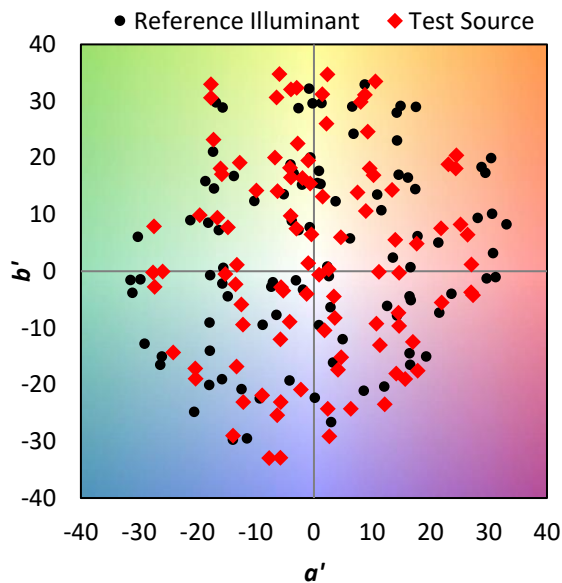
TM-30-18

Summary

$R_f = 73.5$
 $R_g = 93.5$
 $CIE R_a = 71.0$
 $R_g = -37.9$

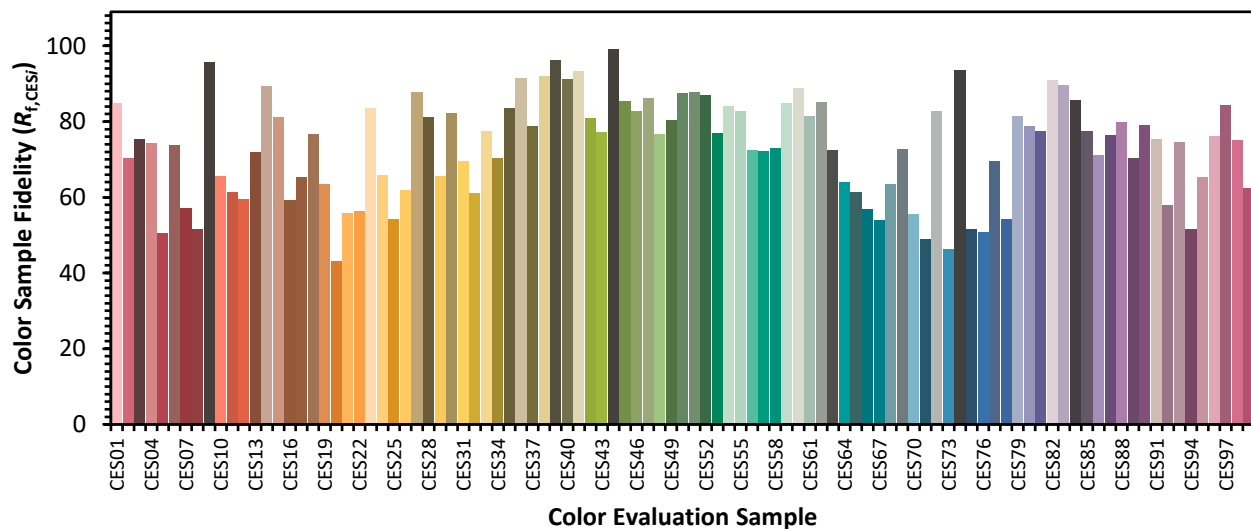


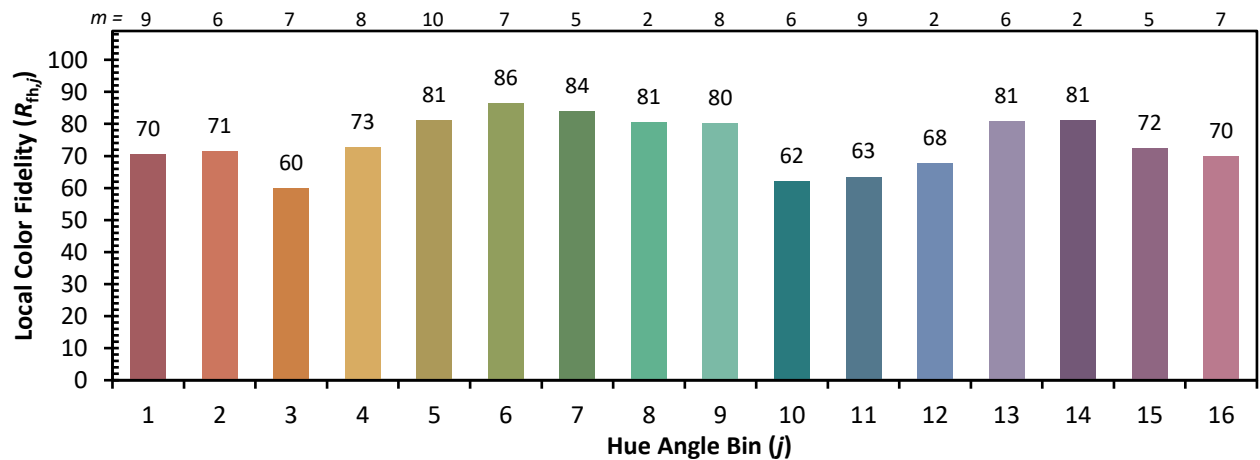
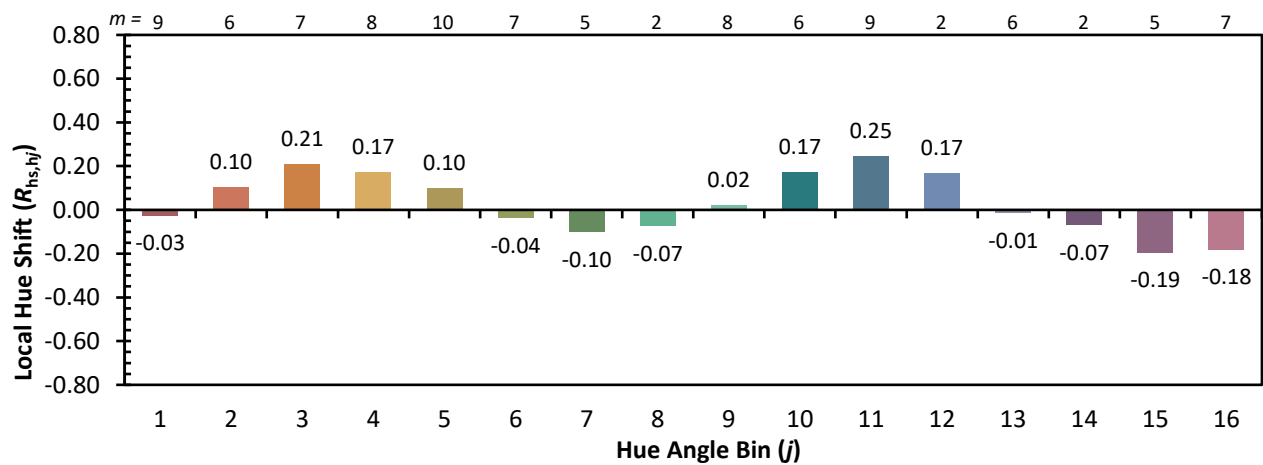
Color Vector Graphics



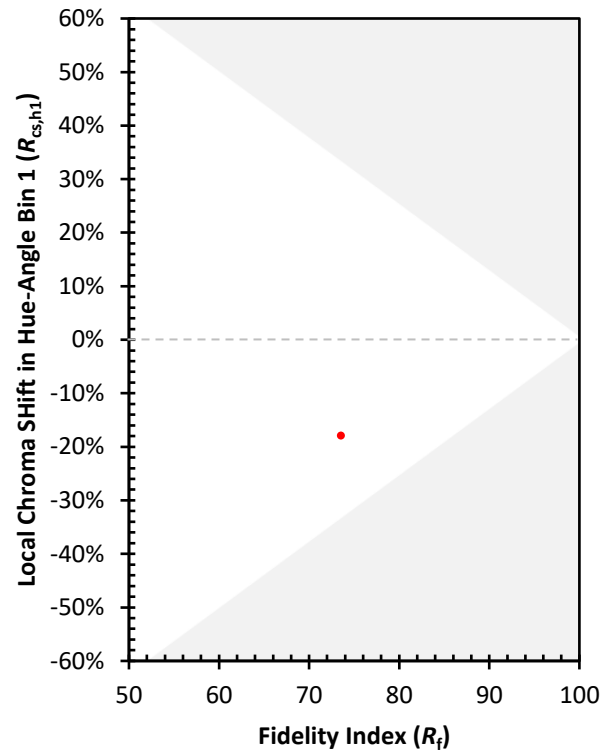
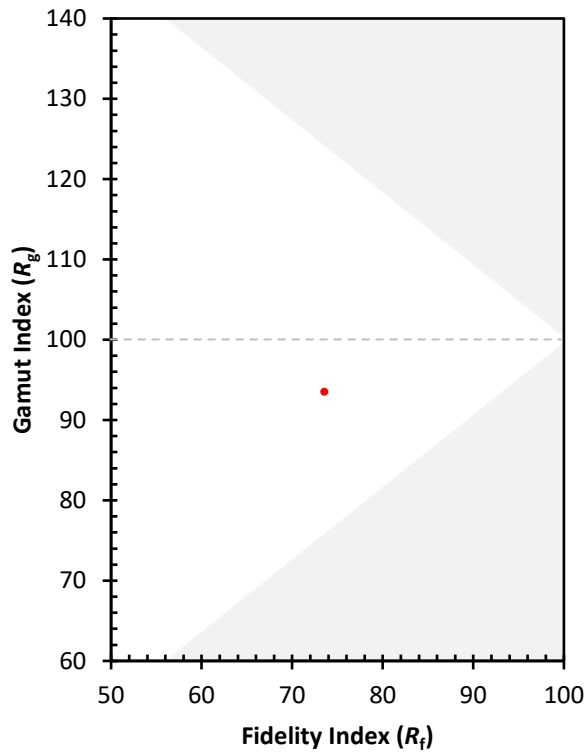
Individual Sample Fidelity Index ($R_{f,i}$)

CES01 = 85	CES26 = 62	CES51 = 88	CES76 = 51
CES02 = 61	CES27 = 88	CES52 = 87	CES77 = 70
CES03 = 30	CES28 = 81	CES53 = 77	CES78 = 54
CES04 = 70	CES29 = 66	CES54 = 84	CES79 = 81
CES05 = 47	CES30 = 82	CES55 = 83	CES80 = 79
CES06 = 50	CES31 = 69	CES56 = 73	CES81 = 77
CES07 = 40	CES32 = 61	CES57 = 72	CES82 = 91
CES08 = 39	CES33 = 77	CES58 = 73	CES83 = 90
CES09 = 29	CES34 = 70	CES59 = 85	CES84 = 86
CES10 = 74	CES35 = 84	CES60 = 89	CES85 = 77
CES11 = 57	CES36 = 91	CES61 = 81	CES86 = 71
CES12 = 63	CES37 = 79	CES62 = 85	CES87 = 76
CES13 = 42	CES38 = 92	CES63 = 72	CES88 = 80
CES14 = 74	CES39 = 96	CES64 = 64	CES89 = 70
CES15 = 71	CES40 = 91	CES65 = 61	CES90 = 79
CES16 = 46	CES41 = 93	CES66 = 57	CES91 = 75
CES17 = 49	CES42 = 81	CES67 = 54	CES92 = 58
CES18 = 56	CES43 = 77	CES68 = 63	CES93 = 75
CES19 = 72	CES44 = 99	CES69 = 73	CES94 = 52
CES20 = 65	CES45 = 85	CES70 = 56	CES95 = 65
CES21 = 86	CES46 = 83	CES71 = 49	CES96 = 76
CES22 = 78	CES47 = 86	CES72 = 83	CES97 = 84
CES23 = 92	CES48 = 77	CES73 = 46	CES98 = 75
CES24 = 91	CES49 = 81	CES74 = 93	CES99 = 62
CES25 = 72	CES50 = 87	CES75 = 52	



Color Rendition by Hue-Angle Bin


Measure Comparisons



(END OF REPORT)