

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: P972328

Luminaire Tested: **GKO-PB2D-740-U-T2R**

Issue Date: 02/27/2025



Test Information

Test Method: LM-79-08
Report Number: P972328
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-T2R
Description: GEKKO WALL PACK 10000LM PACKAGE 70CRI 4000K FIXTURE w/ TYPE II
ROADWAY DISTRIBUTION OPTIC
Light Source: (20) 4000K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 10512.7 lumens
Efficiency: N/A
Efficacy: 138.0 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

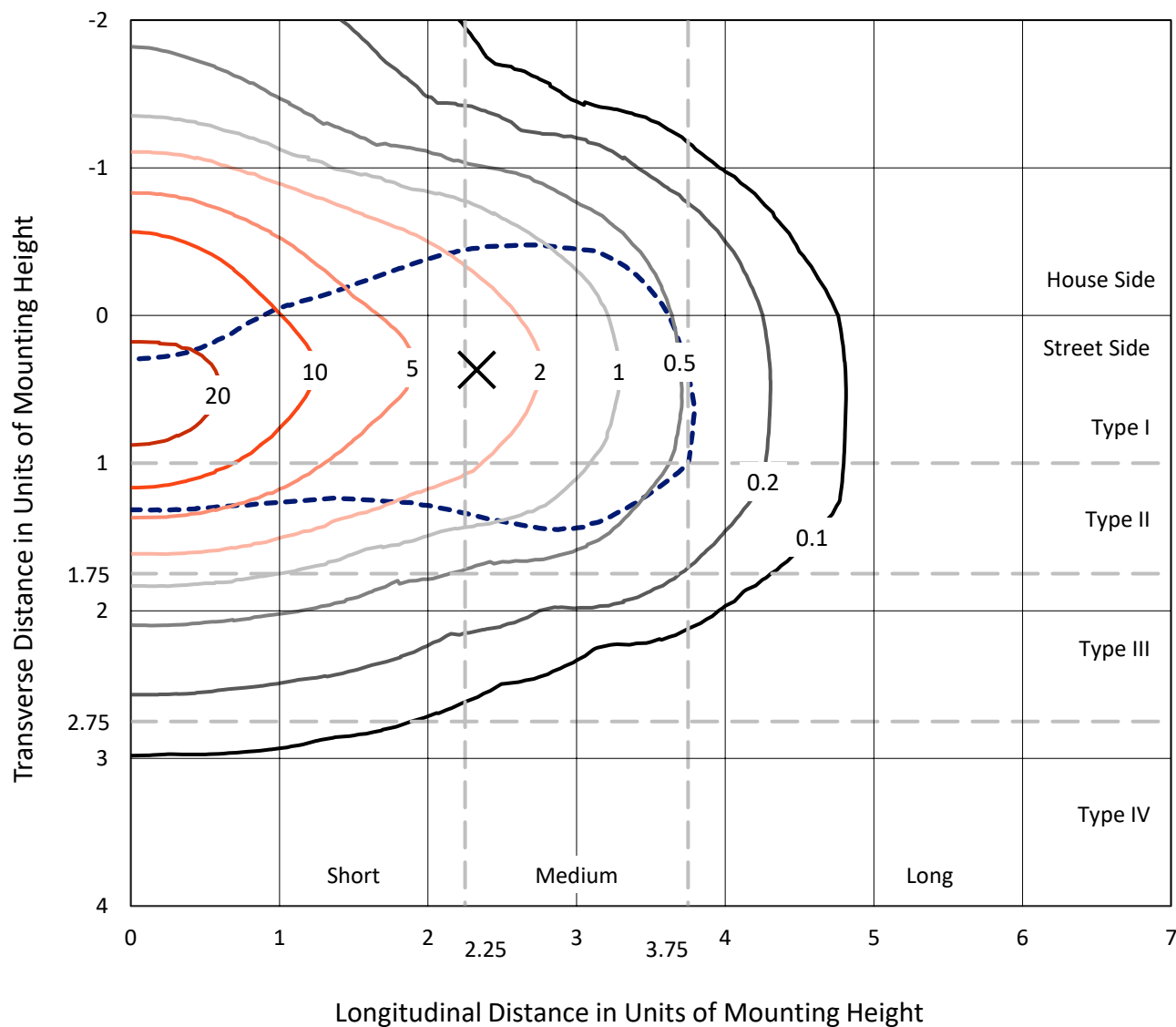
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CATALOG NUMBER: GKO-PB2D-740-U-T2R

Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

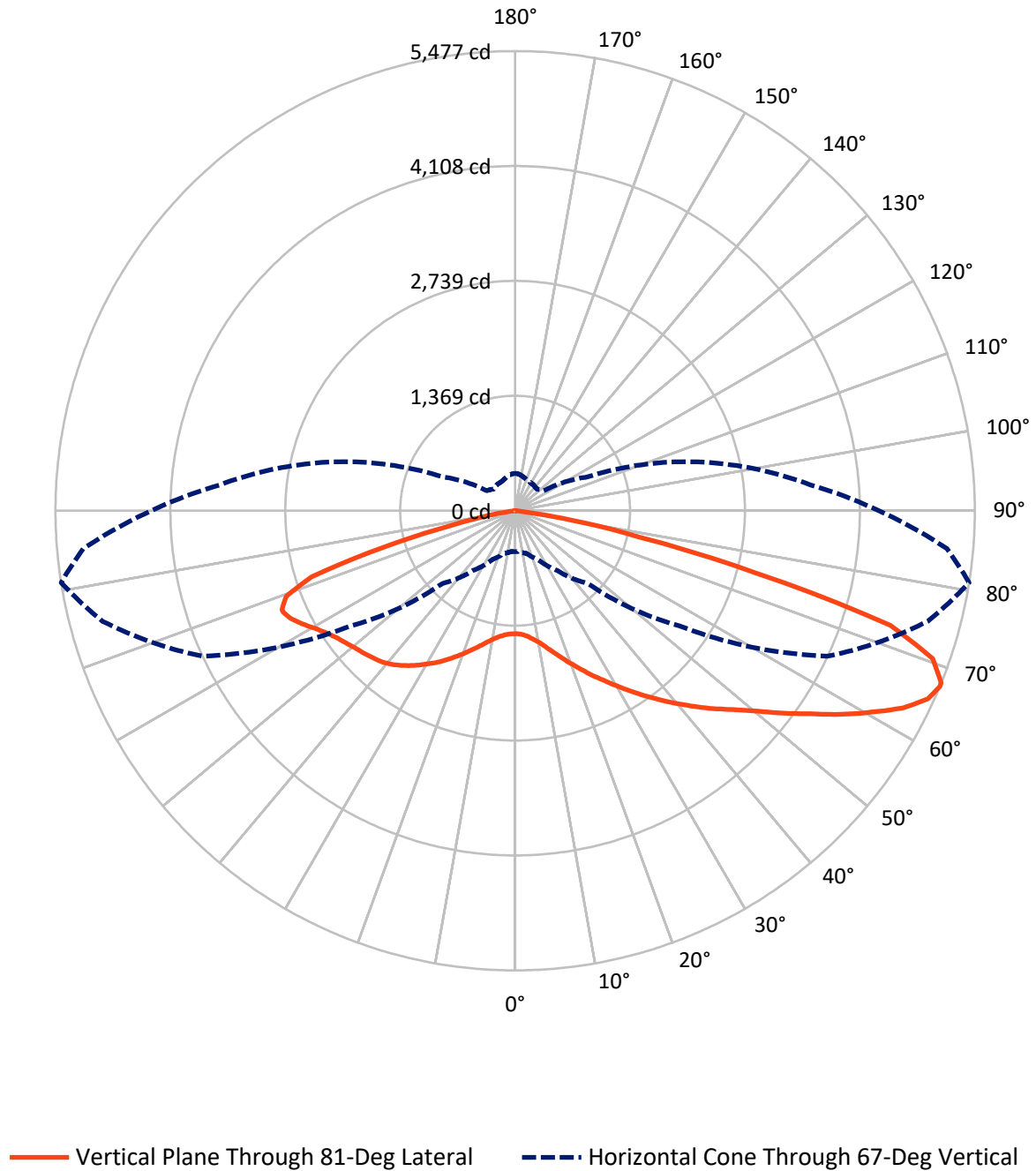


Based on 10 foot mounting height. Maximum calculated value = 28.2 fc
 Type II - Medium - N/A

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Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3246.3	0.0	3246.3
	% Fixture	30.9	0.0	30.9
Street Side	Lumens	7266.4	0.0	7266.4
	% Fixture	69.1	0.0	69.1
Total	Lumens	10512.7	0.0	10512.7
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	151.7	1.4
10°-20°	549.1	5.2
20°-30°	1112.3	10.6
30°-40°	1753.9	16.7
40°-50°	2153.9	20.5
50°-60°	2057.7	19.6
60°-70°	1725.6	16.4
70°-80°	914.1	8.7
80°-90°	94.4	0.9
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°	10512.7	100.0
0°-180°	10512.7	100.0



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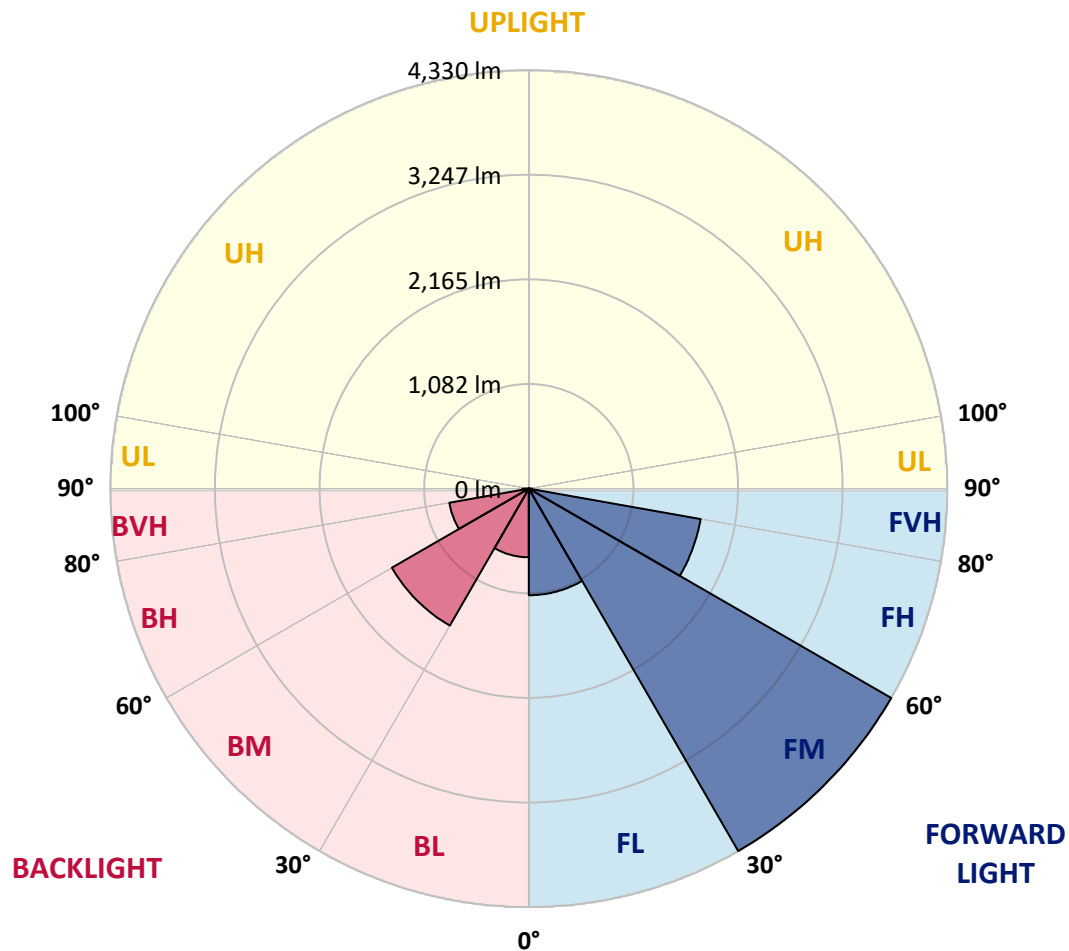
CATALOG NUMBER: GKO-PB2D-740-U-T2R

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1102.6	10.5			
FM	(30°-60°)	4329.8	41.2			
FH	(60°-80°)	1804.6	17.2			G2/5000
FVH	(80°-90°)	29.3	0.3			G1/100
BL	(0°-30°)	710.4	6.8	B2/1000		
BM	(30°-60°)	1635.7	15.6	B2/2500		
BH	(60°-80°)	835.1	7.9	B2/1000		G2/1000
BVH	(80°-90°)	65.1	0.6			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°	81°	85°
0°	1464.4	1464.4	1464.4	1464.4	1464.4	1464.4	1464.4	1464.4	1464.4	1464.4	1464.4
2.5°	1548.9	1552.9	1544.9	1542.9	1534.8	1522.7	1508.7	1498.6	1482.5	1474.5	1470.4
5°	1695.7	1687.7	1681.6	1671.6	1643.4	1619.3	1579.1	1550.9	1520.7	1500.6	1494.6
7.5°	1874.8	1878.8	1858.7	1832.5	1792.3	1744.0	1679.6	1627.3	1571.0	1544.9	1532.8
10°	2069.9	2086.0	2065.9	2033.7	1957.2	1884.8	1806.4	1715.8	1639.4	1599.2	1583.1
12.5°	2307.2	2317.3	2291.1	2248.9	2156.4	2047.7	1937.1	1824.5	1723.9	1673.6	1645.4
15°	2572.8	2564.7	2538.6	2476.2	2357.5	2236.8	2086.0	1939.1	1820.4	1758.1	1717.9
17.5°	2846.3	2836.3	2802.1	2721.6	2586.8	2436.0	2256.9	2071.9	1923.0	1854.6	1800.3
20°	3107.8	3097.8	3073.6	2983.1	2820.2	2635.1	2425.9	2224.8	2039.7	1955.2	1894.9
22.5°	3397.5	3389.4	3351.2	3240.6	3065.6	2862.4	2619.0	2379.7	2166.4	2065.9	1993.4
25°	3711.3	3713.3	3671.1	3516.2	3319.0	3081.7	2826.2	2554.7	2309.2	2182.5	2100.0
27.5°	4077.4	4075.4	4003.0	3836.0	3588.6	3315.0	3031.4	2737.7	2450.1	2301.2	2206.7
30°	4409.3	4401.2	4320.8	4153.8	3868.2	3560.4	3248.6	2914.7	2609.0	2432.0	2317.3
32.5°	4654.7	4656.7	4590.3	4407.3	4127.7	3799.8	3451.8	3113.9	2761.8	2572.8	2446.0
35°	4831.7	4833.7	4769.4	4612.5	4351.0	4023.1	3667.0	3300.9	2932.8	2717.6	2580.8
37.5°	4888.0	4888.0	4845.8	4723.1	4509.9	4224.2	3878.2	3514.2	3103.8	2874.5	2717.6
40°	4811.6	4817.6	4815.6	4735.2	4588.3	4363.0	4073.4	3719.3	3294.9	3029.4	2856.4
42.5°	4638.6	4642.6	4648.7	4618.5	4572.2	4437.5	4230.3	3928.5	3486.0	3198.3	2993.2
45°	4353.0	4369.1	4399.2	4411.3	4429.4	4419.4	4326.8	4123.7	3699.2	3367.3	3127.9
47.5°	3990.9	4017.0	4057.3	4129.7	4230.3	4310.7	4351.0	4274.5	3906.4	3542.3	3278.8
50°	3488.0	3516.2	3624.8	3775.7	3974.8	4131.7	4284.6	4387.2	4137.7	3755.5	3447.8
52.5°	2792.0	2852.4	3035.4	3325.1	3667.0	3900.4	4143.8	4441.5	4373.1	4007.0	3648.9
55°	2124.2	2146.3	2381.7	2729.7	3256.7	3650.9	3950.7	4413.3	4594.4	4270.5	3878.2
57.5°	1484.5	1508.7	1713.8	2094.0	2677.4	3325.1	3757.6	4318.8	4795.5	4580.3	4141.8
60°	1054.0	1080.2	1233.1	1514.7	2079.9	2850.4	3578.5	4198.1	4970.5	4874.0	4445.5
62.5°	766.4	780.5	860.9	1098.3	1502.6	2228.8	3323.1	4119.6	5093.2	5179.7	4757.3
65°	587.4	601.5	647.7	796.6	1110.4	1629.3	2864.4	4117.6	5125.4	5405.0	5026.8
67°	488.8	486.8	527.0	639.7	867.0	1225.0	2391.7	4101.5	5089.2	5477.4	5163.6
67.5°	462.7	470.7	502.9	597.4	818.7	1128.5	2289.1	4075.4	5077.1	5475.4	5173.7
70°	368.1	370.1	398.3	472.7	615.5	818.7	1647.5	3817.9	4894.1	5278.3	5061.0
72.5°	269.5	267.5	309.8	358.1	470.7	595.4	1104.3	3206.4	4497.8	4676.8	4499.8
75°	199.1	197.1	219.3	273.6	335.9	444.6	716.1	2092.0	3045.5	2975.1	2747.8
77.5°	132.8	136.8	156.9	201.2	239.4	275.6	358.1	963.5	1677.6	1516.7	1460.4
80°	80.5	74.4	88.5	114.7	138.8	140.8	152.9	416.4	720.1	685.9	643.7
82.5°	28.2	28.2	34.2	46.3	46.3	46.3	56.3	100.6	142.8	130.8	124.7
85°	0.0	0.0	0.0	0.0	4.0	6.0	4.0	8.0	14.1	16.1	16.1
87.5°	0.0	0.0	0.0	0.0	0.0	2.0	2.0	4.0	6.0	8.0	8.0
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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CATALOG NUMBER: GKO-PB2D-740-U-T2R

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1464.4	1464.4	1464.4	1464.4	1464.4	1464.4	1464.4	1464.4	1464.4	1464.4	1464.4
2.5°	1470.4	1470.4	1464.4	1456.4	1452.3	1450.3	1444.3	1436.2	1442.3	1448.3	1448.3
5°	1490.6	1486.5	1474.5	1466.4	1460.4	1460.4	1452.3	1450.3	1456.4	1462.4	1460.4
7.5°	1522.7	1514.7	1500.6	1488.5	1490.6	1492.6	1480.5	1480.5	1486.5	1492.6	1492.6
10°	1567.0	1552.9	1538.8	1528.8	1530.8	1532.8	1520.7	1516.7	1522.7	1528.8	1532.8
12.5°	1623.3	1605.2	1589.1	1579.1	1577.0	1579.1	1567.0	1563.0	1563.0	1567.0	1567.0
15°	1689.7	1669.6	1649.5	1635.4	1631.4	1629.3	1613.3	1599.2	1599.2	1601.2	1601.2
17.5°	1766.1	1738.0	1711.8	1695.7	1685.7	1671.6	1653.5	1633.4	1627.3	1629.3	1629.3
20°	1842.6	1812.4	1778.2	1756.1	1736.0	1711.8	1683.7	1657.5	1645.4	1645.4	1643.4
22.5°	1931.1	1890.8	1844.6	1814.4	1778.2	1738.0	1697.7	1663.5	1651.5	1647.5	1647.5
25°	2021.6	1975.3	1909.0	1862.7	1810.4	1752.1	1699.8	1653.5	1633.4	1625.3	1625.3
27.5°	2114.1	2059.8	1973.3	1906.9	1830.5	1750.0	1679.6	1621.3	1593.1	1583.1	1579.1
30°	2218.7	2140.3	2029.6	1939.1	1834.5	1731.9	1641.4	1573.0	1530.8	1506.6	1508.7
32.5°	2327.4	2228.8	2081.9	1959.2	1828.5	1697.7	1583.1	1496.6	1442.3	1420.1	1412.1
35°	2438.0	2313.3	2128.2	1969.3	1808.4	1645.4	1508.7	1412.1	1351.8	1319.6	1319.6
37.5°	2550.6	2401.8	2160.4	1967.3	1772.2	1577.0	1422.2	1319.6	1249.2	1208.9	1198.9
40°	2661.3	2484.3	2184.5	1951.2	1717.9	1494.6	1329.6	1219.0	1124.5	1072.2	1064.1
42.5°	2769.9	2552.6	2196.6	1925.0	1653.5	1404.1	1225.0	1076.2	985.7	937.4	935.4
45°	2868.5	2607.0	2198.6	1890.8	1569.0	1301.5	1084.2	941.4	850.9	800.6	800.6
47.5°	2965.0	2667.3	2196.6	1846.6	1476.5	1168.7	935.4	796.6	714.1	681.9	671.9
50°	3081.7	2727.6	2194.6	1792.3	1357.8	1009.8	790.5	671.9	601.5	569.3	569.3
52.5°	3200.4	2798.1	2198.6	1715.8	1217.0	854.9	661.8	557.2	510.9	490.8	488.8
55°	3353.2	2872.5	2208.7	1625.3	1070.1	704.0	551.2	480.8	448.6	438.5	440.5
57.5°	3538.3	2975.1	2228.8	1518.7	899.2	577.3	472.7	434.5	426.4	430.5	432.5
60°	3749.5	3101.8	2256.9	1398.0	748.3	480.8	426.4	418.4	426.4	442.5	444.6
62.5°	3994.9	3254.7	2293.2	1263.2	599.4	422.4	406.3	412.4	418.4	444.6	446.6
65°	4212.2	3419.6	2301.2	1104.3	486.8	384.2	394.3	398.3	414.4	444.6	446.6
67°	4334.9	3532.3	2246.9	953.5	416.4	364.1	378.2	382.2	410.4	440.5	444.6
67.5°	4348.9	3556.4	2210.7	915.3	402.3	360.1	374.1	382.2	410.4	440.5	442.5
70°	4306.7	3540.3	1969.3	690.0	331.9	331.9	348.0	366.1	394.3	426.4	440.5
72.5°	3930.5	3228.5	1524.7	468.7	281.6	299.7	323.9	350.0	376.2	414.4	438.5
75°	2484.3	2077.9	933.4	313.8	235.4	267.5	305.8	335.9	358.1	386.2	402.3
77.5°	1327.6	1027.9	402.3	185.1	185.1	237.4	283.6	311.8	323.9	333.9	344.0
80°	627.6	478.7	195.1	110.6	128.7	185.1	251.4	281.6	285.6	297.7	301.7
82.5°	124.7	108.6	64.4	58.3	84.5	132.8	209.2	243.4	245.4	265.5	269.5
85°	16.1	14.1	10.1	22.1	54.3	98.6	160.9	209.2	213.2	213.2	209.2
87.5°	8.0	6.0	6.0	16.1	40.2	74.4	132.8	175.0	177.0	138.8	134.8
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 $\text{W}^\wedge/\text{nm}$	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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Scotopic Flux vs. Wavelength



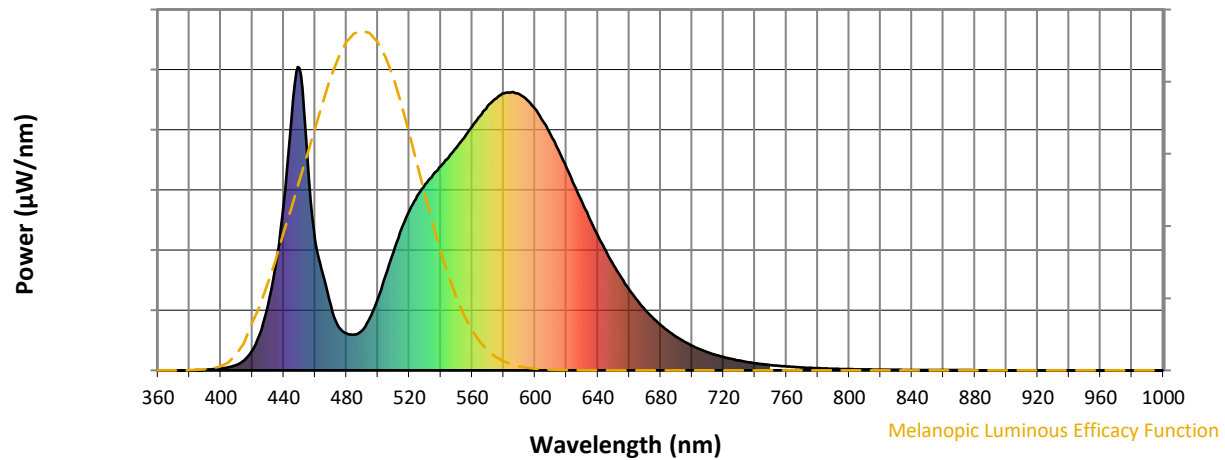
Scotopic Lumens: NR

S/P: 1.49

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	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

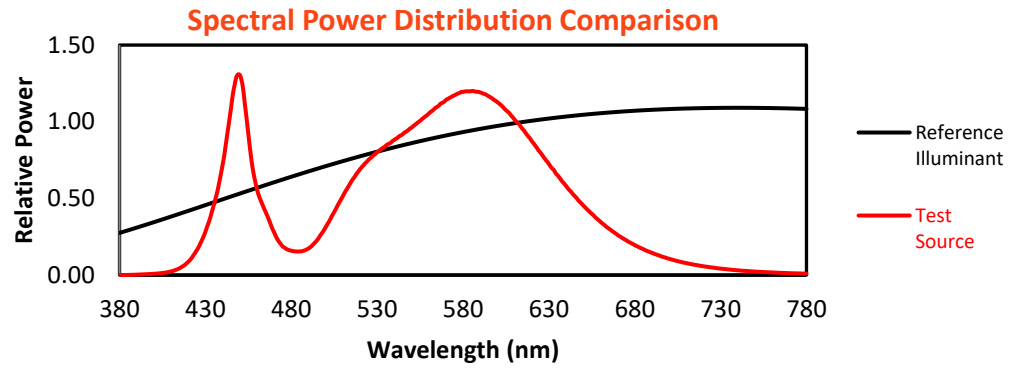
λ (nm)	Power $\text{W}^\wedge/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^\wedge/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^\wedge/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^\wedge/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^\wedge/\text{nm}$	Lumens (ϕ/nm)
360	0	NR	490	132	NR	620	668	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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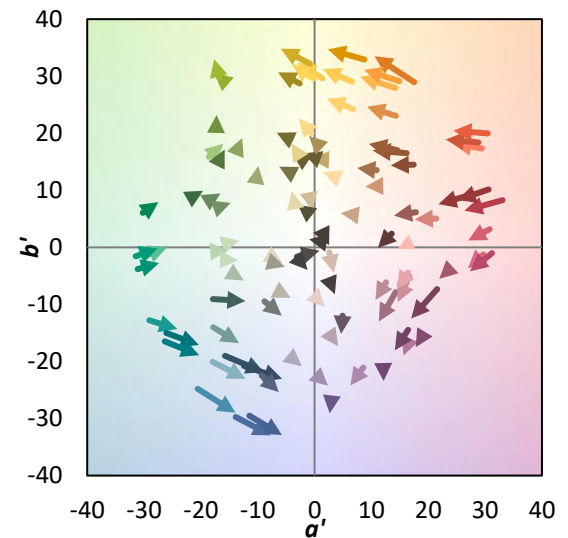
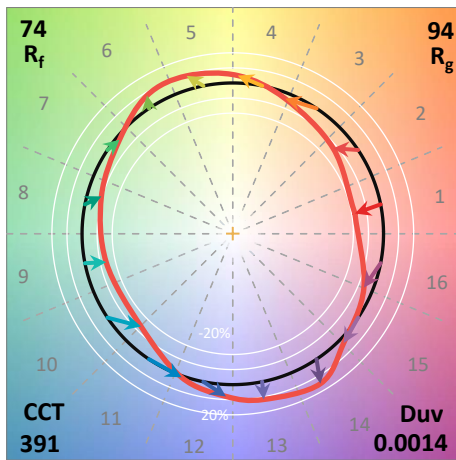
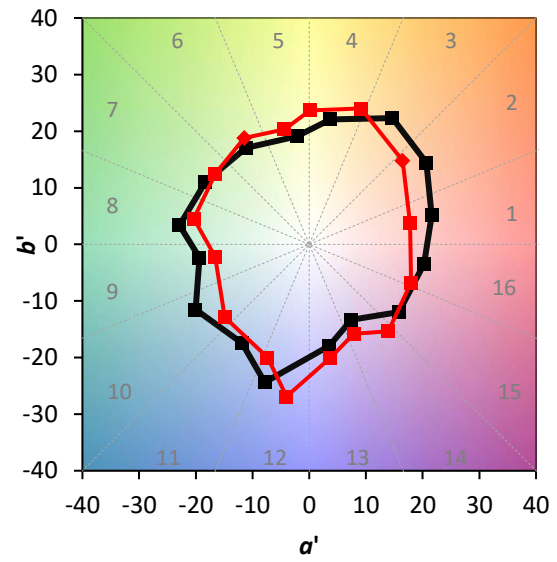
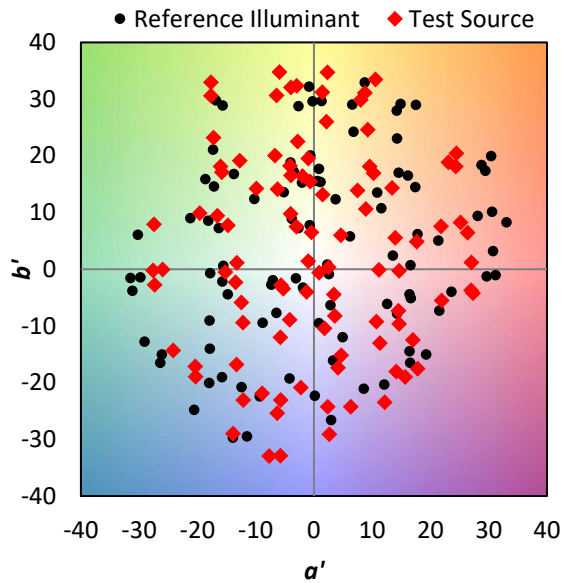
TM-30-18

Summary

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

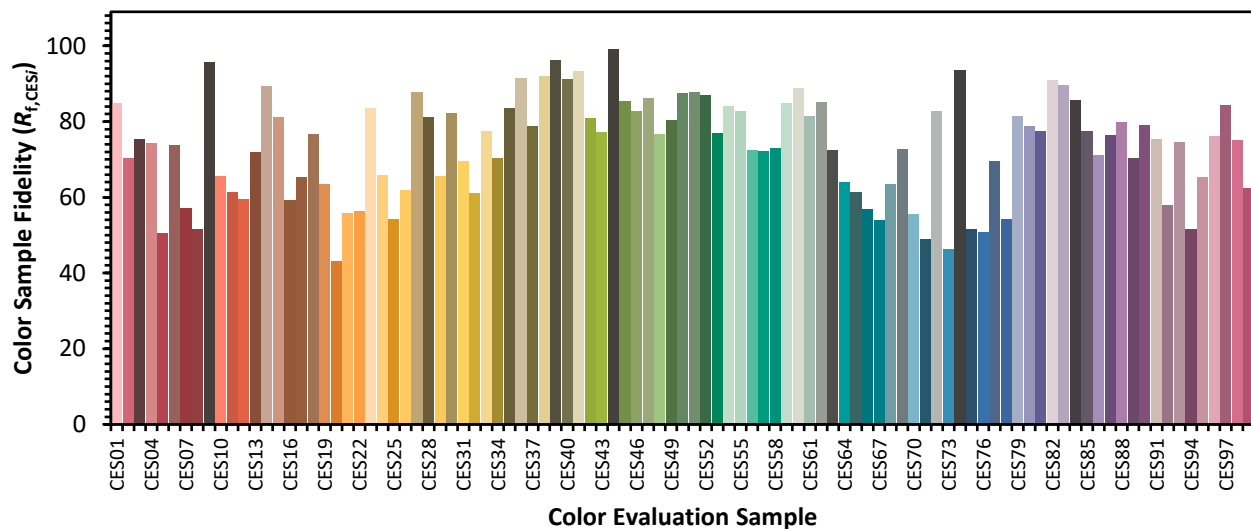


Color Vector Graphics

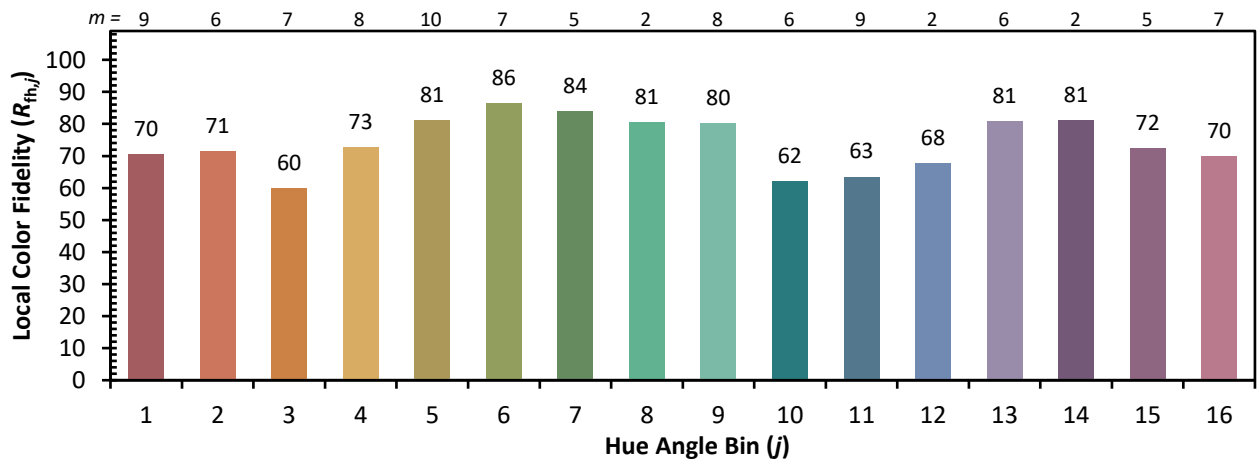
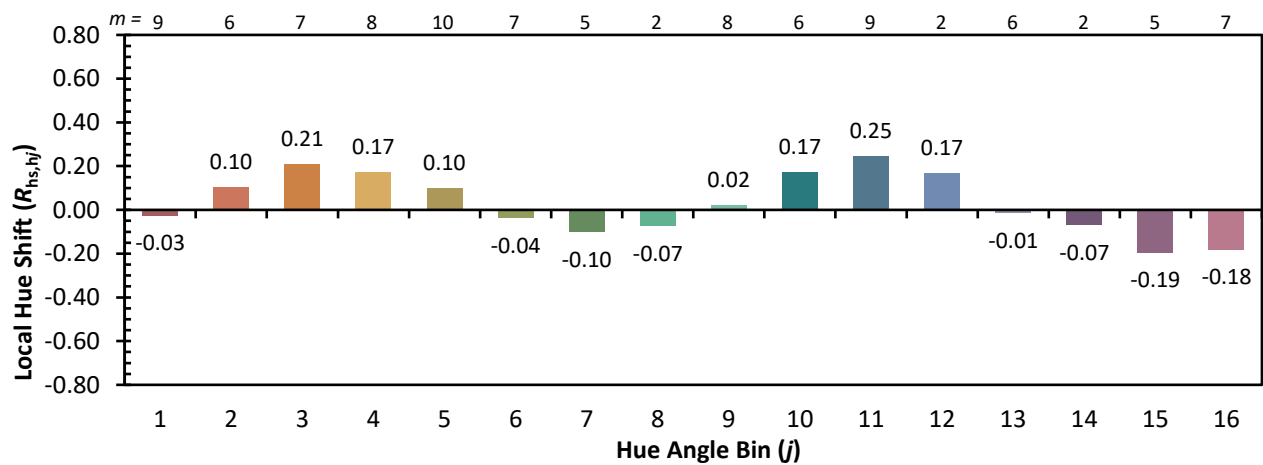
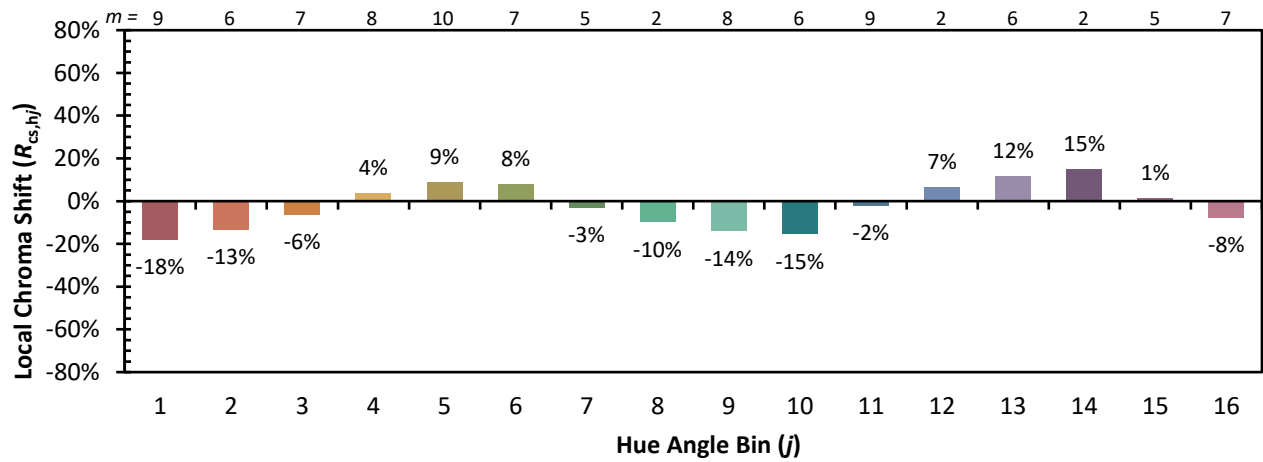


Individual Sample Fidelity Index ($R_{f,i}$)

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)