

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: P972377

Luminaire Tested: **GKO-PB2E-740-U-T2U**

Issue Date: 02/27/2025



Test Information

Test Method: LM-79-08
Report Number: P972377
Test Lab: INNOVATION CENTER(G1)
Issue Date: 02/27/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: MCGRAW-EDISON
Catalog Number: GKO-PB2E-740-U-T2U
Description: GEKKO WALL PACK 12000LM PACKAGE 70CRI 4000K FIXTURE w/ TYPE II URBAN DISTRIBUTION OPTIC
Light Source: (20) 4000K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 12835.1 lumens
Efficiency: N/A
Efficacy: 122.6 lumens/watt
Luminous Opening: Rectangular (W 0.67' x L: 0.33' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B3 - U0 - G3

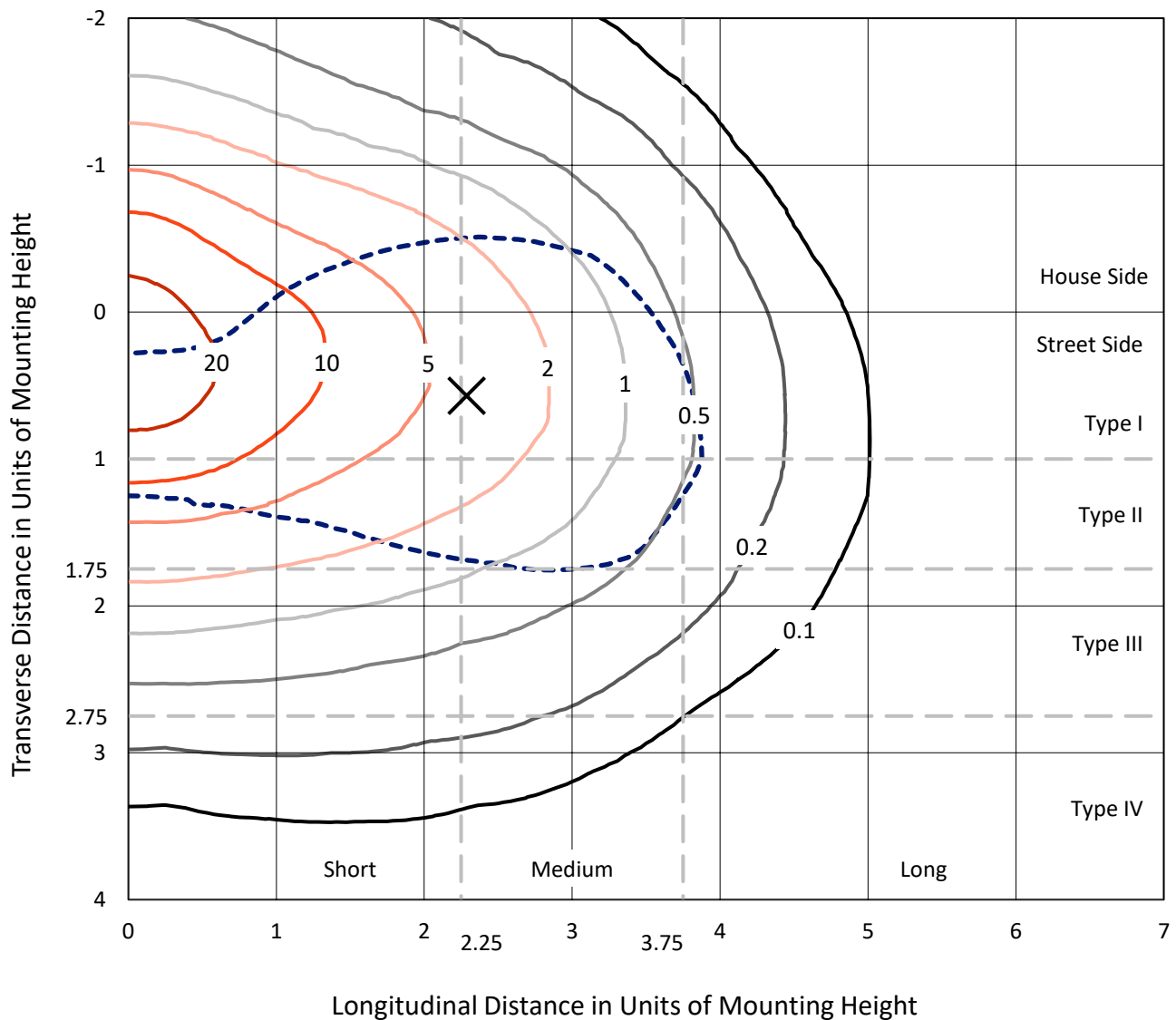
Input Watts (W): 104.7
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: 0.97
Total Harmonic Distortion (THDi): 6%
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT

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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

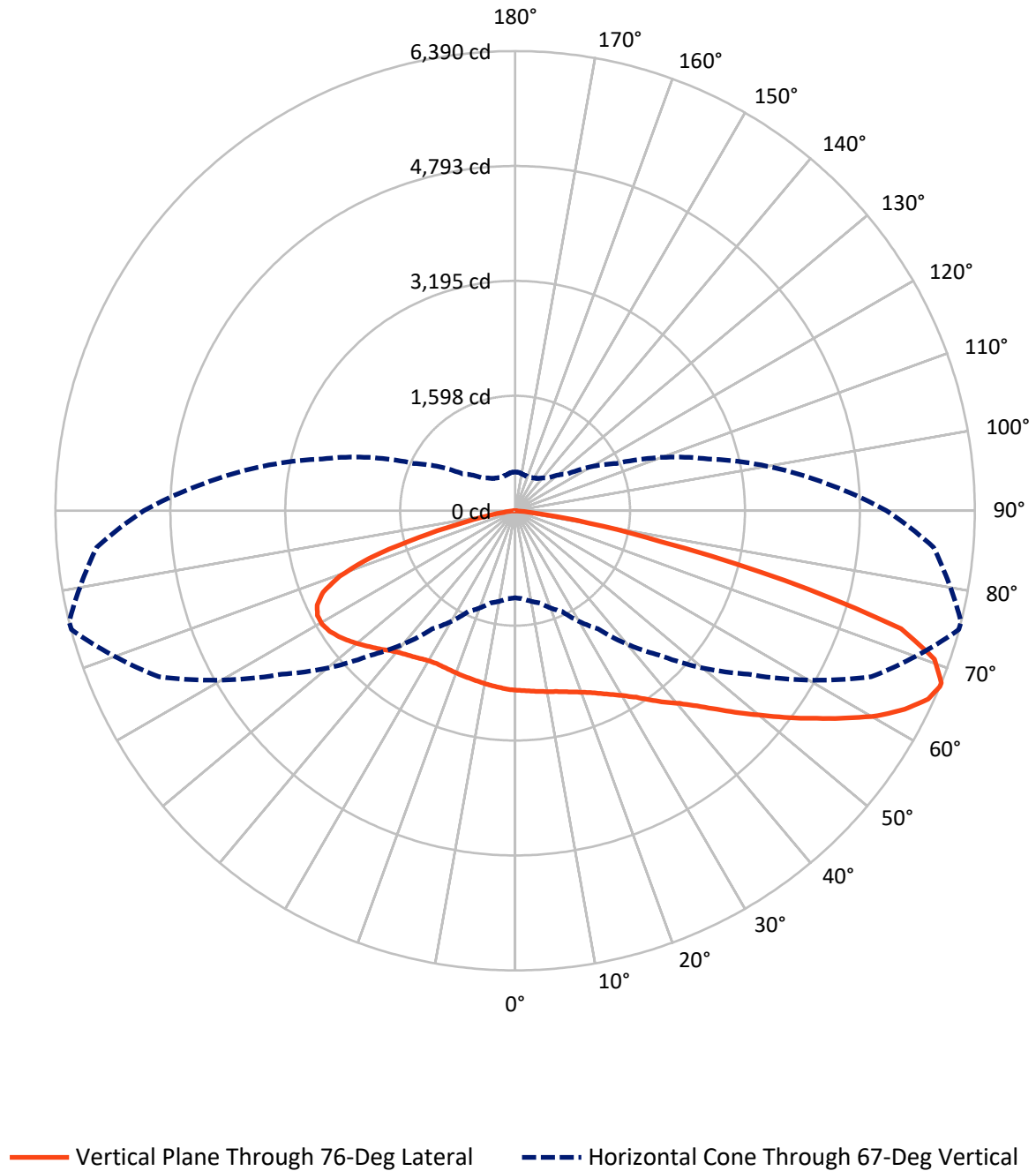


Based on 10 foot mounting height. Maximum calculated value = 28.2 fc
 Type II - Medium - N/A

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Luminous Intensity Polar Plot



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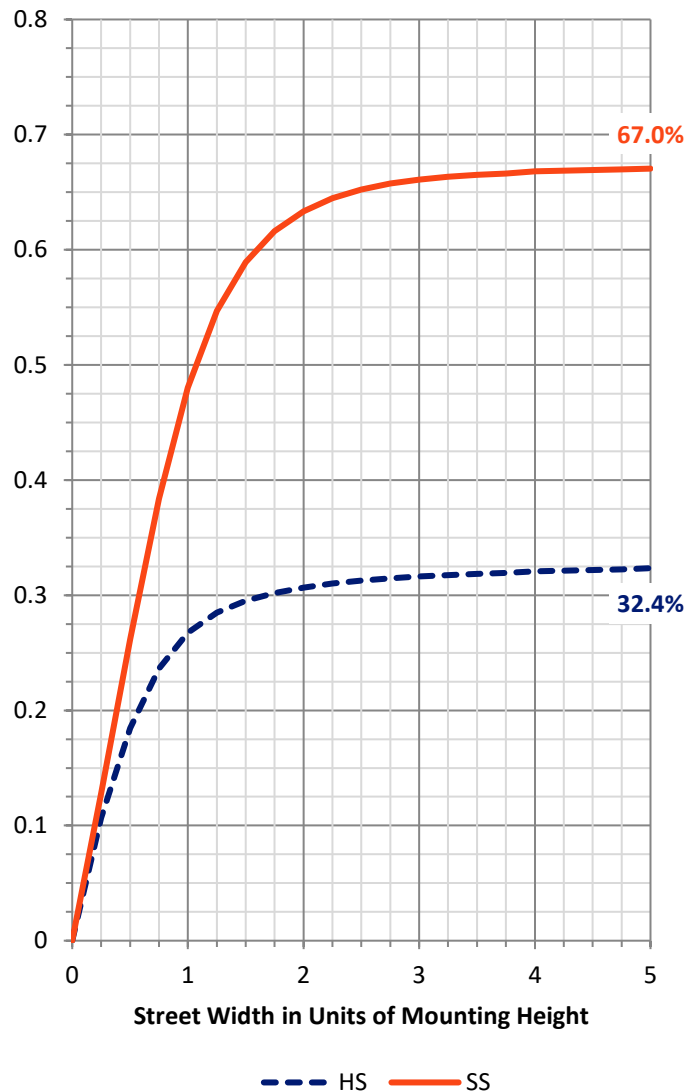
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4234.5	0.0	4234.5
	% Fixture	33.0	0.0	33.0
Street Side	Lumens	8600.6	0.0	8600.6
	% Fixture	67.0	0.0	67.0
Total	Lumens	12835.1	0.0	12835.1
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	239.8	1.9
10°-20°	733.7	5.7
20°-30°	1262.3	9.8
30°-40°	1813.9	14.1
40°-50°	2300.3	17.9
50°-60°	2526.0	19.7
60°-70°	2449.8	19.1
70°-80°	1352.5	10.5
80°-90°	156.9	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°	12835.1	100.0
0°-180°	12835.1	100.0



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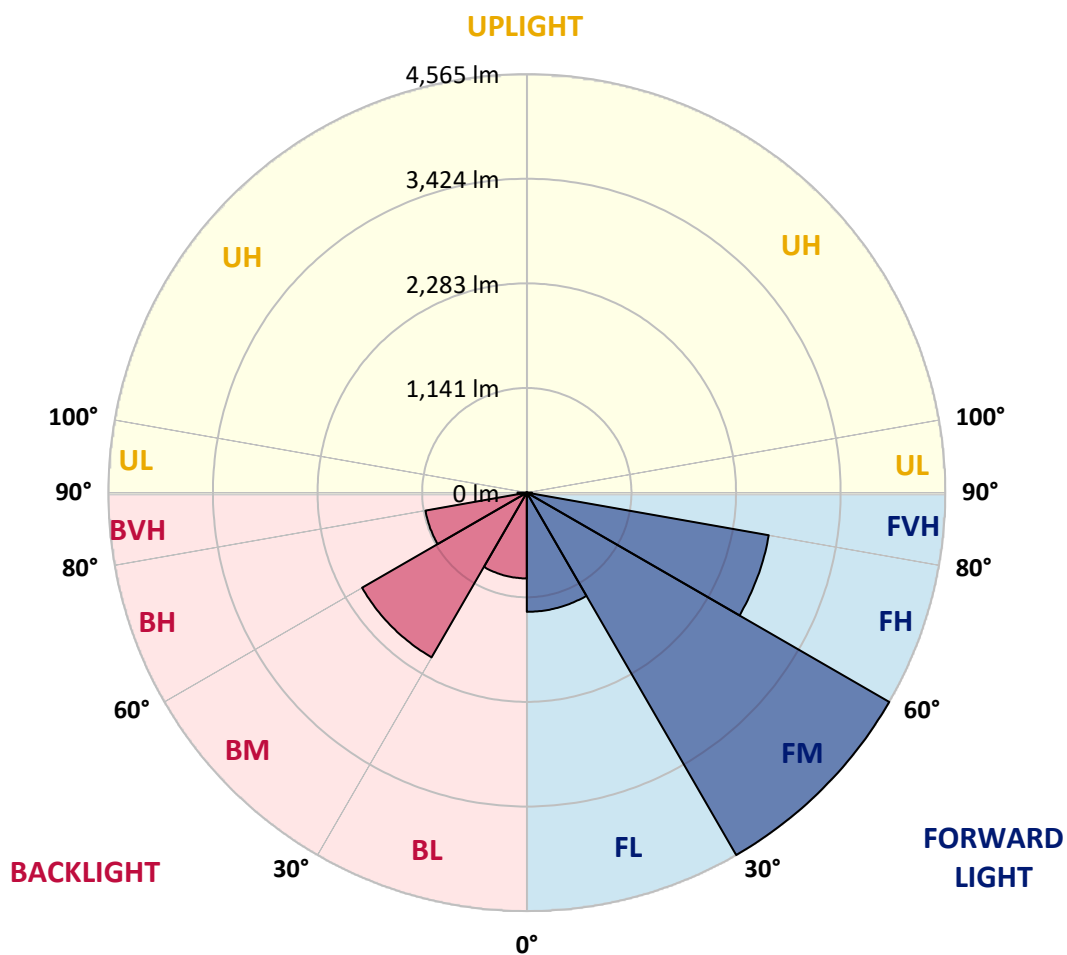
CATALOG NUMBER: GKO-PB2E-740-U-T2U

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1300.2	10.1			
FM	(30°-60°)	4565.1	35.6			
FH	(60°-80°)	2679.9	20.9			G2/5000
FVH	(80°-90°)	55.4	0.4			G1/100
BL	(0°-30°)	935.6	7.3	B2/1000		
BM	(30°-60°)	2075.0	16.2	B2/2500		
BH	(60°-80°)	1122.5	8.7	B3/2500		G3/2500
BVH	(80°-90°)	101.4	0.8			G2/225
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G3

Type II Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	76°	85°
0°	2495.0	2495.0	2495.0	2495.0	2495.0	2495.0	2495.0	2495.0	2495.0	2495.0	2495.0
2.5°	2569.5	2567.0	2564.5	2564.5	2554.6	2544.7	2534.7	2527.3	2507.4	2504.9	2495.0
5°	2646.5	2646.5	2639.0	2636.5	2621.6	2596.8	2574.5	2552.1	2524.8	2519.8	2497.5
7.5°	2745.8	2745.8	2733.3	2723.4	2701.1	2661.3	2621.6	2581.9	2542.2	2537.2	2502.5
10°	2872.4	2872.4	2862.4	2840.1	2792.9	2740.8	2676.2	2614.2	2562.0	2557.1	2507.4
12.5°	3003.9	3006.4	2991.5	2959.3	2902.2	2822.7	2743.3	2653.9	2586.9	2579.4	2517.4
15°	3138.0	3140.5	3130.6	3095.8	3018.8	2922.0	2815.3	2708.5	2619.1	2611.7	2532.3
17.5°	3269.6	3274.5	3264.6	3224.9	3135.5	3031.3	2899.7	2765.6	2658.9	2648.9	2557.1
20°	3393.7	3393.7	3393.7	3349.0	3262.1	3143.0	2991.5	2835.1	2703.5	2693.6	2586.9
22.5°	3505.4	3510.4	3517.8	3493.0	3393.7	3262.1	3098.3	2912.1	2760.6	2748.2	2624.1
25°	3617.1	3619.6	3639.5	3622.1	3525.3	3388.7	3212.5	3008.9	2830.2	2817.7	2668.8
27.5°	3746.2	3753.7	3766.1	3758.7	3649.4	3515.4	3339.1	3115.7	2907.1	2894.7	2723.4
30°	3897.7	3897.7	3905.1	3892.7	3783.5	3649.4	3465.7	3227.4	3003.9	2984.1	2790.4
32.5°	4021.8	4034.2	4029.3	4024.3	3910.1	3776.0	3594.8	3351.5	3115.7	3090.8	2882.3
35°	4138.5	4141.0	4138.5	4143.5	4029.3	3902.6	3731.3	3495.5	3239.8	3229.9	2999.0
37.5°	4205.5	4210.5	4222.9	4237.8	4136.0	4016.8	3867.9	3654.4	3393.7	3376.3	3138.0
40°	4237.8	4245.2	4312.3	4334.6	4225.4	4126.1	4011.9	3798.4	3542.7	3522.8	3277.0
42.5°	4287.4	4347.0	4381.8	4386.8	4292.4	4205.5	4136.0	3962.2	3726.4	3709.0	3463.2
45°	4123.6	4101.3	4193.1	4299.9	4294.9	4257.7	4255.2	4145.9	3952.3	3934.9	3674.2
47.5°	3917.5	3900.2	3949.8	4106.2	4217.9	4280.0	4371.9	4361.9	4225.4	4200.6	3920.0
50°	3426.0	3455.8	3699.1	3912.6	4106.2	4287.4	4471.2	4587.8	4491.0	4471.2	4180.7
52.5°	2966.7	2986.6	3152.9	3661.8	3962.2	4265.1	4558.1	4826.2	4801.3	4779.0	4466.2
55°	2644.0	2663.8	2929.5	3254.7	3748.7	4150.9	4615.2	5052.1	5116.6	5094.3	4769.1
57.5°	2306.3	2338.6	2519.8	2805.3	3463.2	3962.2	4635.0	5280.5	5459.2	5439.4	5059.5
60°	1981.1	2025.8	2132.6	2442.9	3110.7	3738.8	4582.9	5464.2	5789.4	5789.4	5359.9
62.5°	1680.7	1705.5	1817.3	2097.8	2663.8	3453.3	4451.3	5580.9	6092.3	6079.9	5623.1
65°	1432.5	1444.9	1534.2	1775.1	2289.0	3138.0	4222.9	5573.4	6308.3	6310.8	5796.9
67°	1209.0	1228.9	1328.2	1546.7	2003.5	2840.1	3959.7	5461.7	6385.2	6390.2	5839.1
67.5°	1132.1	1154.4	1263.6	1489.6	1943.9	2758.2	3897.7	5414.5	6380.3	6390.2	5826.7
70°	779.5	784.5	968.2	1226.4	1598.8	2323.7	3468.2	5086.8	6191.6	6184.2	5556.1
72.5°	496.5	489.1	665.3	896.2	1286.0	1881.8	2927.0	4513.4	5618.1	5610.7	4898.2
75°	330.2	337.6	449.4	640.5	903.7	1454.8	2281.5	3406.1	3902.6	3872.9	3232.3
77.5°	235.8	230.9	278.1	461.8	605.8	883.8	1238.8	1812.3	2073.0	2073.0	1775.1
80°	129.1	131.6	151.4	255.7	342.6	345.1	464.2	908.6	1012.9	1035.2	861.5
82.5°	37.2	39.7	54.6	86.9	94.3	104.3	161.4	260.7	273.1	288.0	233.4
85°	0.0	0.0	0.0	2.5	9.9	12.4	12.4	14.9	24.8	24.8	27.3
87.5°	0.0	0.0	0.0	0.0	0.0	2.5	2.5	5.0	9.9	9.9	12.4
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°	2495.0	2495.0	2495.0	2495.0	2495.0	2495.0	2495.0	2495.0	2495.0	2495.0	2495.0
2.5°	2492.5	2495.0	2485.1	2472.7	2462.7	2457.8	2442.9	2430.5	2437.9	2445.4	2445.4
5°	2490.0	2487.6	2467.7	2445.4	2430.5	2420.5	2395.7	2378.3	2380.8	2388.3	2385.8
7.5°	2490.0	2480.1	2452.8	2420.5	2395.7	2375.8	2343.6	2323.7	2321.2	2326.2	2321.2
10°	2492.5	2475.2	2437.9	2393.2	2358.5	2328.7	2289.0	2266.6	2259.2	2261.6	2256.7
12.5°	2497.5	2470.2	2423.0	2365.9	2321.2	2281.5	2236.8	2209.5	2204.5	2209.5	2209.5
15°	2504.9	2470.2	2410.6	2341.1	2281.5	2236.8	2192.1	2167.3	2167.3	2169.8	2169.8
17.5°	2519.8	2477.6	2400.7	2313.8	2241.8	2192.1	2152.4	2135.0	2137.5	2145.0	2145.0
20°	2534.7	2487.6	2390.7	2286.5	2207.0	2149.9	2117.7	2105.2	2115.2	2125.1	2125.1
22.5°	2557.1	2500.0	2380.8	2261.6	2167.3	2110.2	2082.9	2073.0	2082.9	2095.3	2090.3
25°	2591.8	2522.3	2373.4	2239.3	2130.1	2068.0	2040.7	2030.8	2035.7	2045.7	2045.7
27.5°	2631.6	2549.6	2370.9	2212.0	2085.4	2018.4	1986.1	1971.2	1971.2	1973.7	1976.1
30°	2698.6	2596.8	2380.8	2192.1	2045.7	1966.2	1924.0	1901.7	1899.2	1909.1	1909.1
32.5°	2778.0	2661.3	2405.6	2174.8	2005.9	1904.2	1847.1	1829.7	1824.7	1832.2	1824.7
35°	2867.4	2733.3	2437.9	2172.3	1966.2	1837.1	1772.6	1752.7	1737.8	1732.9	1727.9
37.5°	2994.0	2832.6	2470.2	2159.9	1926.5	1765.1	1695.6	1653.4	1636.0	1631.1	1631.1
40°	3118.1	2929.5	2509.9	2140.0	1879.3	1693.1	1593.8	1546.7	1539.2	1539.2	1539.2
42.5°	3274.5	3056.1	2564.5	2127.6	1822.2	1621.1	1484.6	1430.0	1430.0	1430.0	1427.5
45°	3468.2	3222.4	2634.0	2122.6	1767.6	1534.2	1367.9	1295.9	1293.4	1291.0	1288.5
47.5°	3694.1	3396.2	2701.1	2110.2	1703.1	1430.0	1233.9	1154.4	1137.0	1132.1	1124.6
50°	3927.5	3584.9	2773.1	2092.8	1626.1	1308.3	1107.2	1015.4	978.1	965.7	970.7
52.5°	4175.7	3768.6	2842.6	2068.0	1534.2	1186.7	978.1	881.3	844.1	829.2	826.7
55°	4419.0	3954.8	2907.1	2035.7	1434.9	1062.6	868.9	774.6	742.3	737.3	737.3
57.5°	4664.8	4133.5	2956.8	1988.6	1325.7	953.3	774.6	697.6	675.3	685.2	685.2
60°	4888.2	4289.9	2981.6	1924.0	1216.5	854.0	700.1	643.0	633.1	657.9	655.4
62.5°	5089.3	4394.2	2969.2	1829.7	1109.7	769.6	643.0	600.8	603.3	633.1	635.5
65°	5186.1	4411.6	2897.2	1700.6	990.6	697.6	583.4	543.7	548.7	580.9	588.4
67°	5163.8	4344.5	2778.0	1554.1	893.7	643.0	546.2	506.5	508.9	536.2	538.7
67.5°	5139.0	4312.3	2745.8	1509.4	868.9	633.1	536.2	499.0	504.0	528.8	528.8
70°	4808.8	3984.6	2447.8	1281.0	752.2	563.5	489.1	464.2	469.2	484.1	484.1
72.5°	4203.0	3450.8	1981.1	1027.8	638.0	499.0	441.9	427.0	427.0	427.0	414.6
75°	2681.2	2162.3	1295.9	787.0	526.3	427.0	397.2	379.8	369.9	384.8	379.8
77.5°	1482.1	1129.6	675.3	451.8	379.8	355.0	345.1	337.6	335.2	369.9	360.0
80°	702.6	558.6	379.8	258.2	218.5	263.2	297.9	292.9	350.0	479.1	481.6
82.5°	223.4	183.7	153.9	141.5	146.5	188.7	230.9	265.6	454.3	513.9	506.5
85°	27.3	24.8	17.4	57.1	96.8	139.0	178.7	345.1	417.1	347.6	327.7
87.5°	9.9	9.9	9.9	39.7	74.5	106.8	161.4	347.6	255.7	233.4	213.5
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: SP2-2501-321-1

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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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



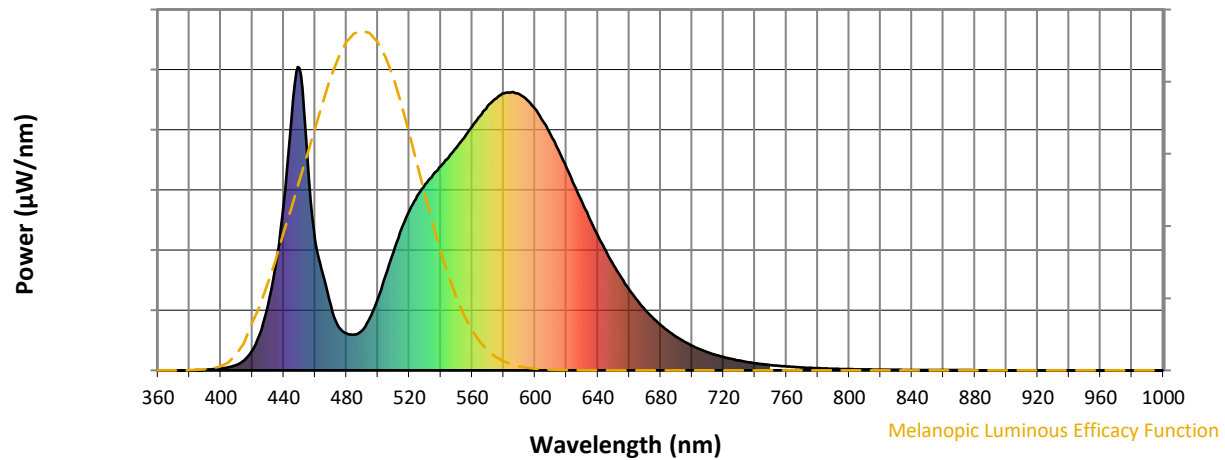
Scotopic Lumens: NR

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

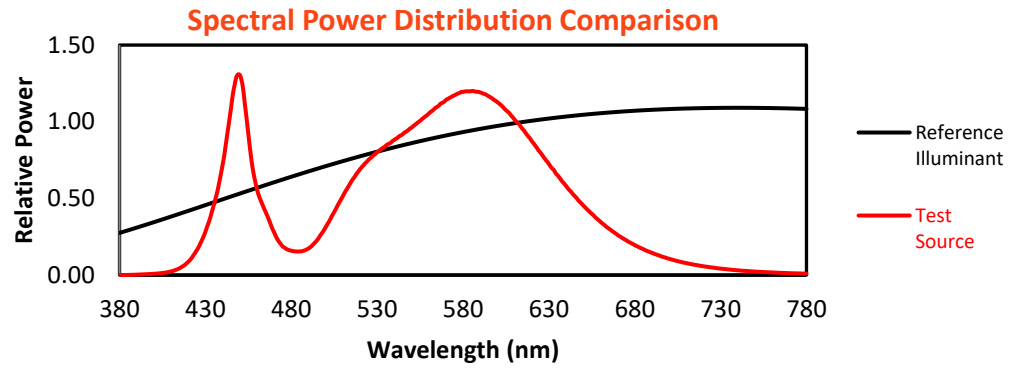
λ (nm)	Power $\text{W}^{\wedge}/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^{\wedge}/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^{\wedge}/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^{\wedge}/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^{\wedge}/\text{nm}$	Lumens (ϕ/nm)
360	0	NR	490	132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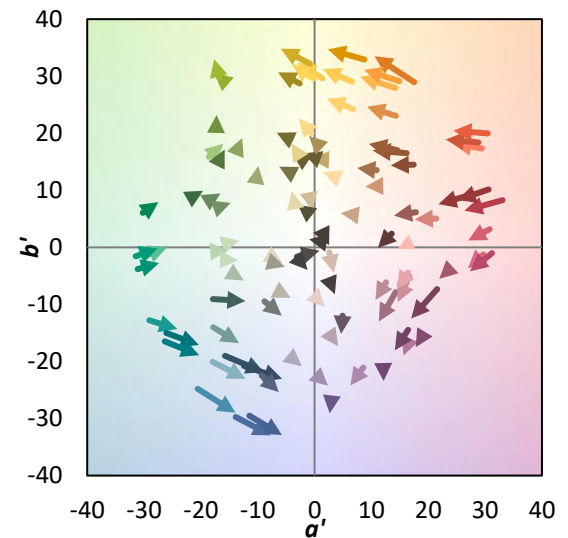
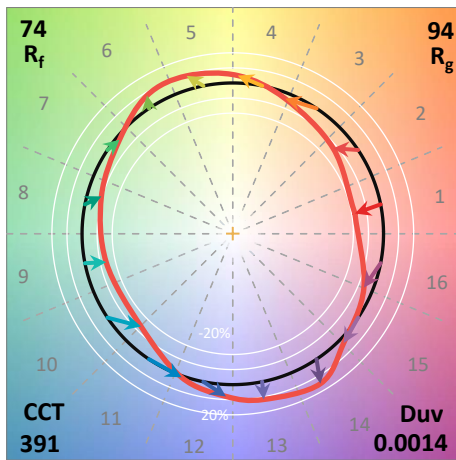
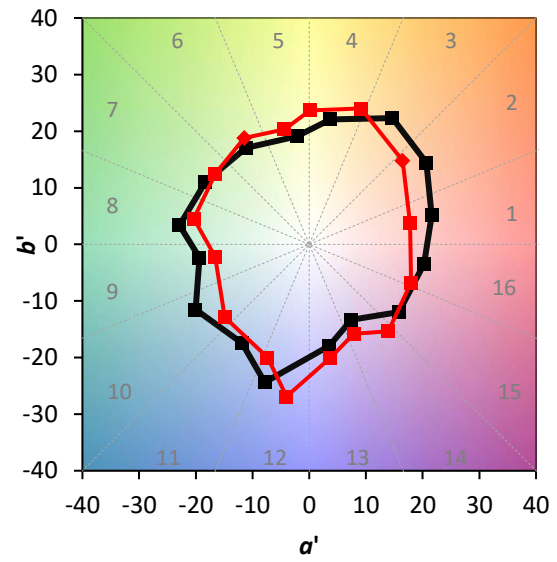
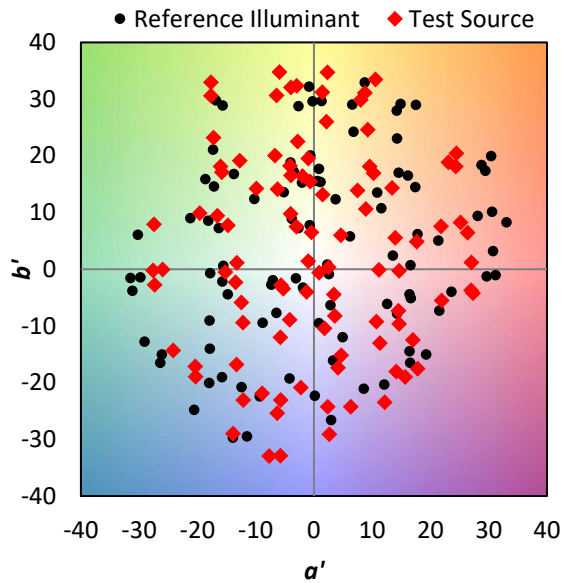
TM-30-18

Summary

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

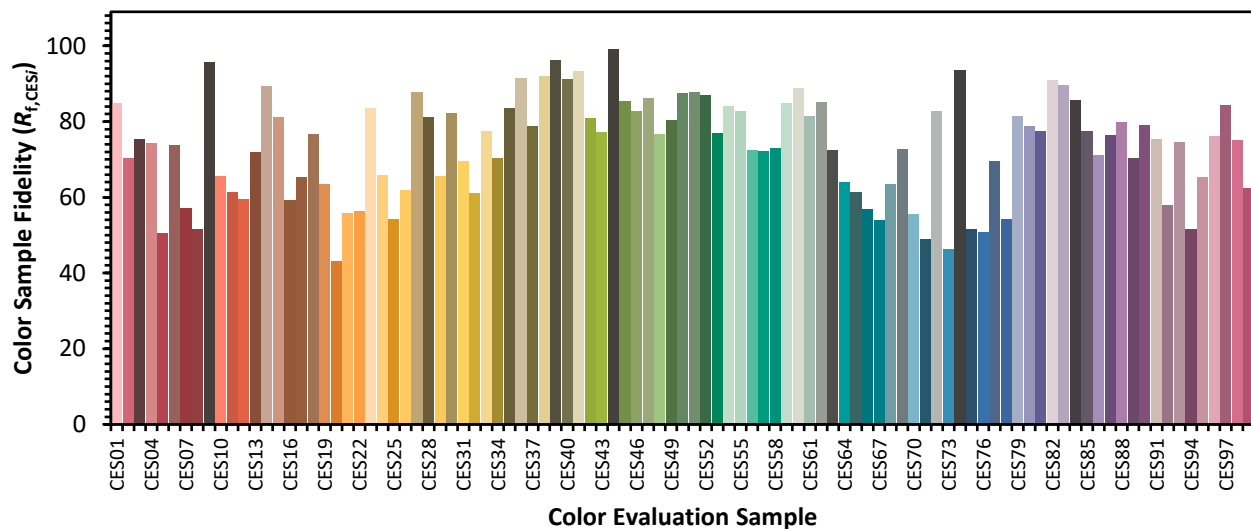


Color Vector Graphics

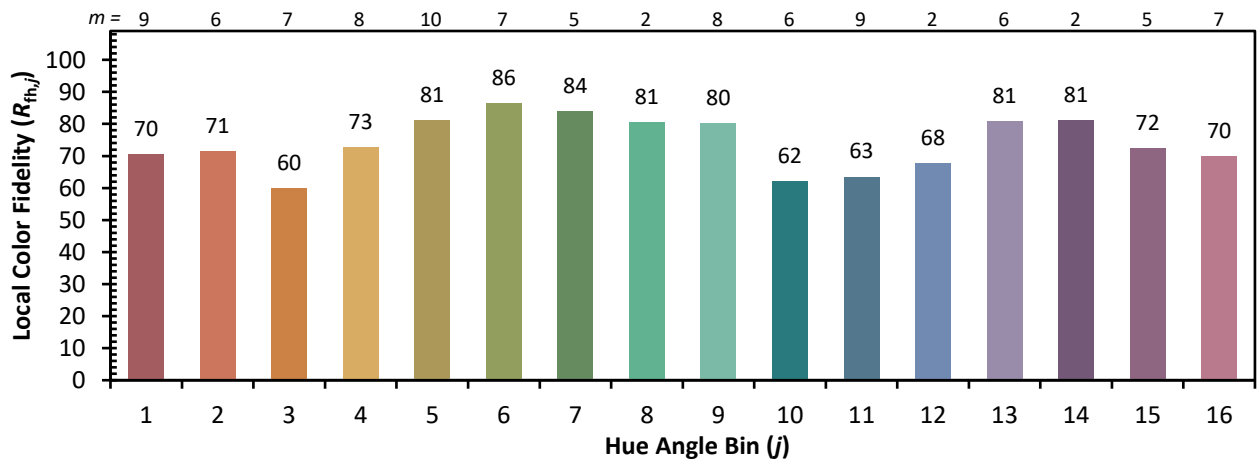
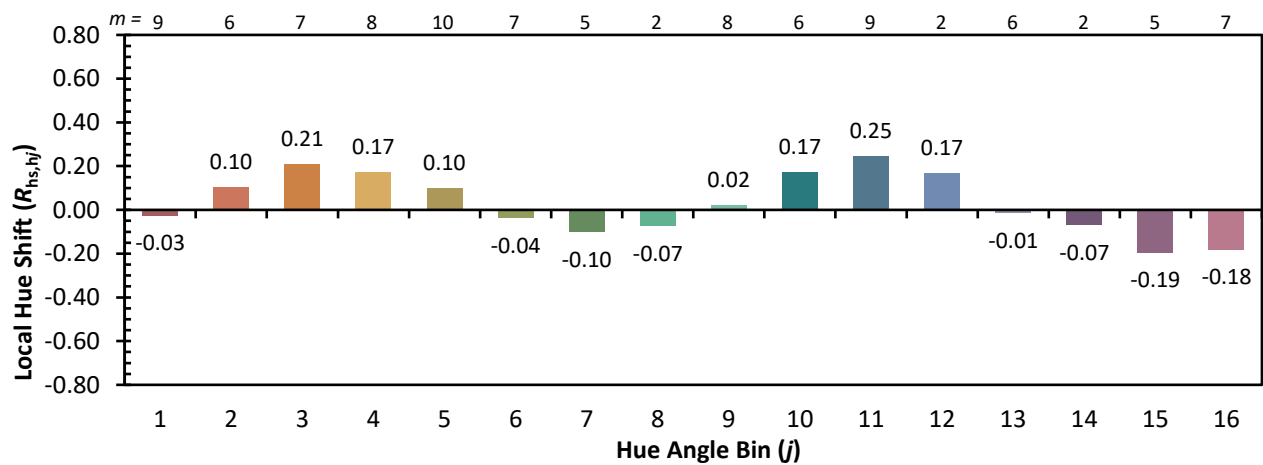
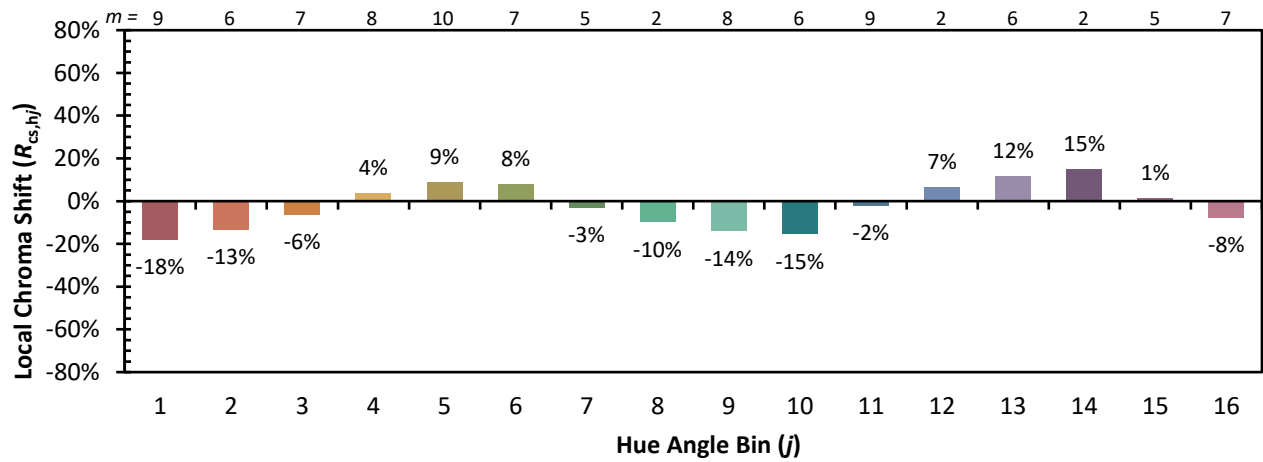


Individual Sample Fidelity Index ($R_{f,i}$)

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)