

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: P1212022

Luminaire Tested: **GKO-PB1E-830-U-T1**

Issue Date: 11/5/2025



Test Information

Test Method: LM-79-08
Report Number: P1212022
Test Lab: INNOVATION CENTER(G1)
Issue Date: 11/5/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: MCGRAW-EDISON
Catalog Number: GKO-PB1E-830-U-T1
Description: GEKKO WALL PACK 5000LM PACKAGE 80CRI 3000K FIXTURE w/ TYPE I DISTRIBUTION OPTIC
Light Source: (10) 3000K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

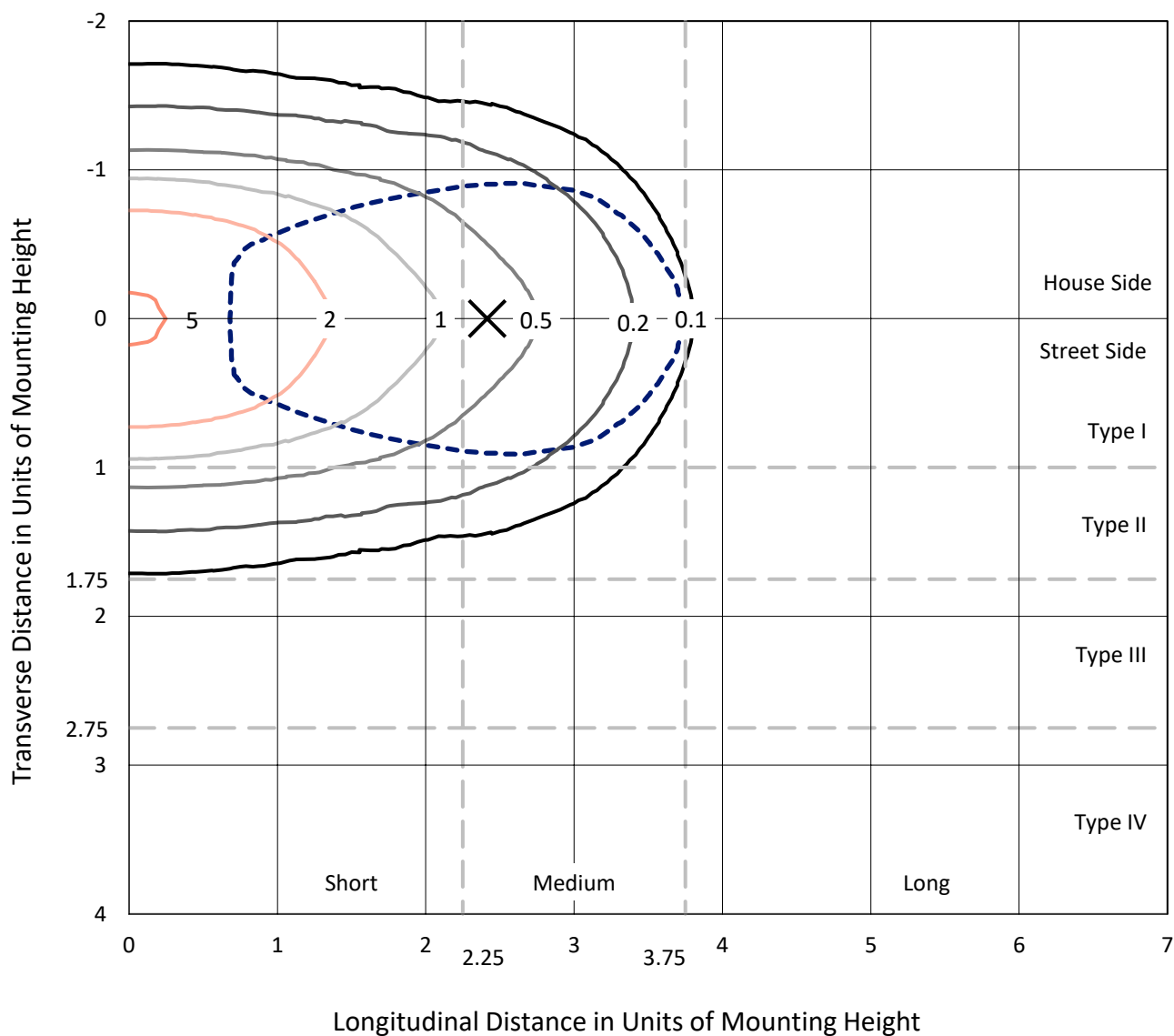
Lumens per Lamp: N/A
Luminaire Lumens: 4780.3 lumens
Efficiency: N/A
Efficacy: 123.5 lumens/watt
Luminous Opening: Rectangular (W 0.33' x L: 0.33' x H: 0')
IES Classification: Type I - Short
BUG Rating: B2 - U0 - G2

Input Watts (W): 38.7
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: 0.97
Total Harmonic Distortion (THDi): 9%
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

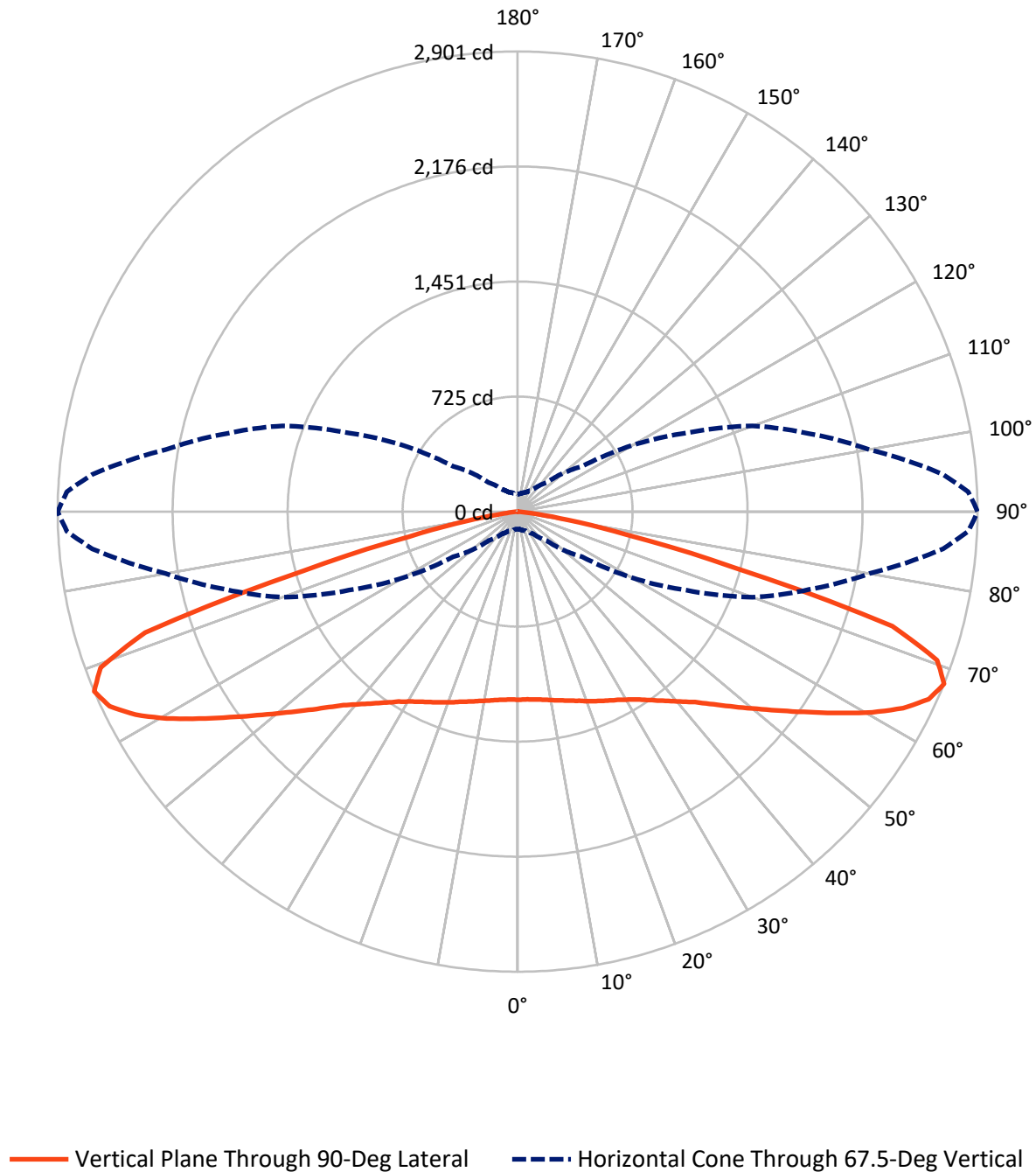
✕ Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 5.3 fc
 Type I - Short - N/A

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Luminous Intensity Polar Plot



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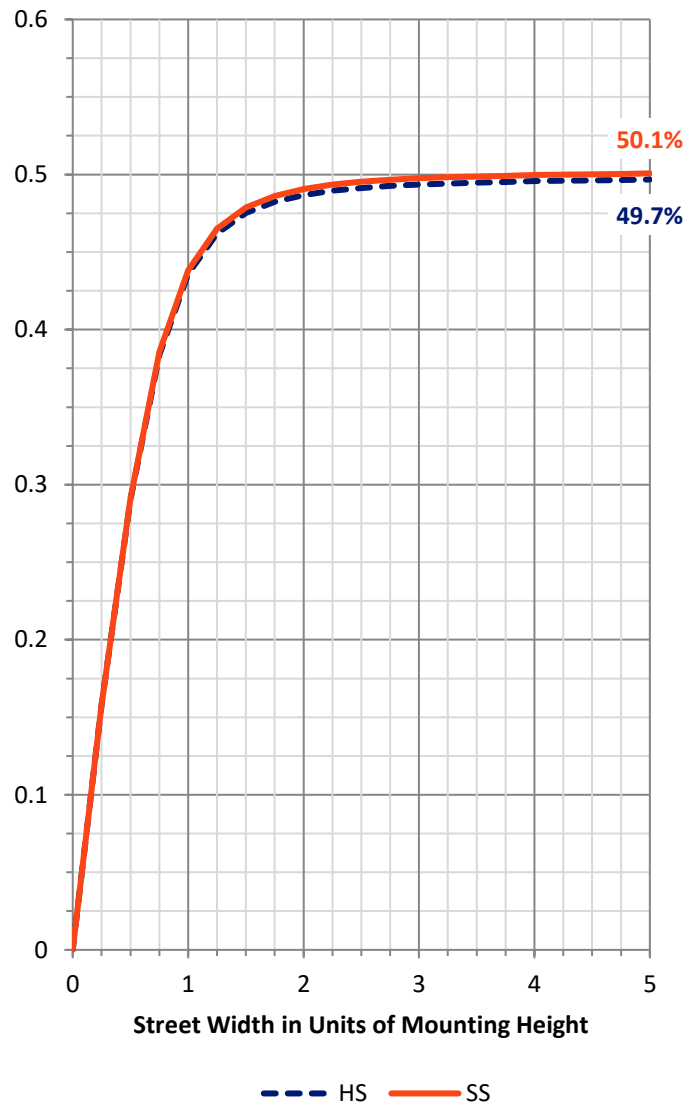
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2390.1	0.0	2390.1
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	2390.1	0.0	2390.1
	% Fixture	50.0	0.0	50.0
Total	Lumens	4780.3	0.0	4780.3
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	113.8	2.4
10°-20°	342.8	7.2
20°-30°	570.0	11.9
30°-40°	757.3	15.8
40°-50°	853.7	17.9
50°-60°	877.9	18.4
60°-70°	829.6	17.4
70°-80°	406.1	8.5
80°-90°	29.0	0.6
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°	4780.3	100.0
0°-180°	4780.3	100.0



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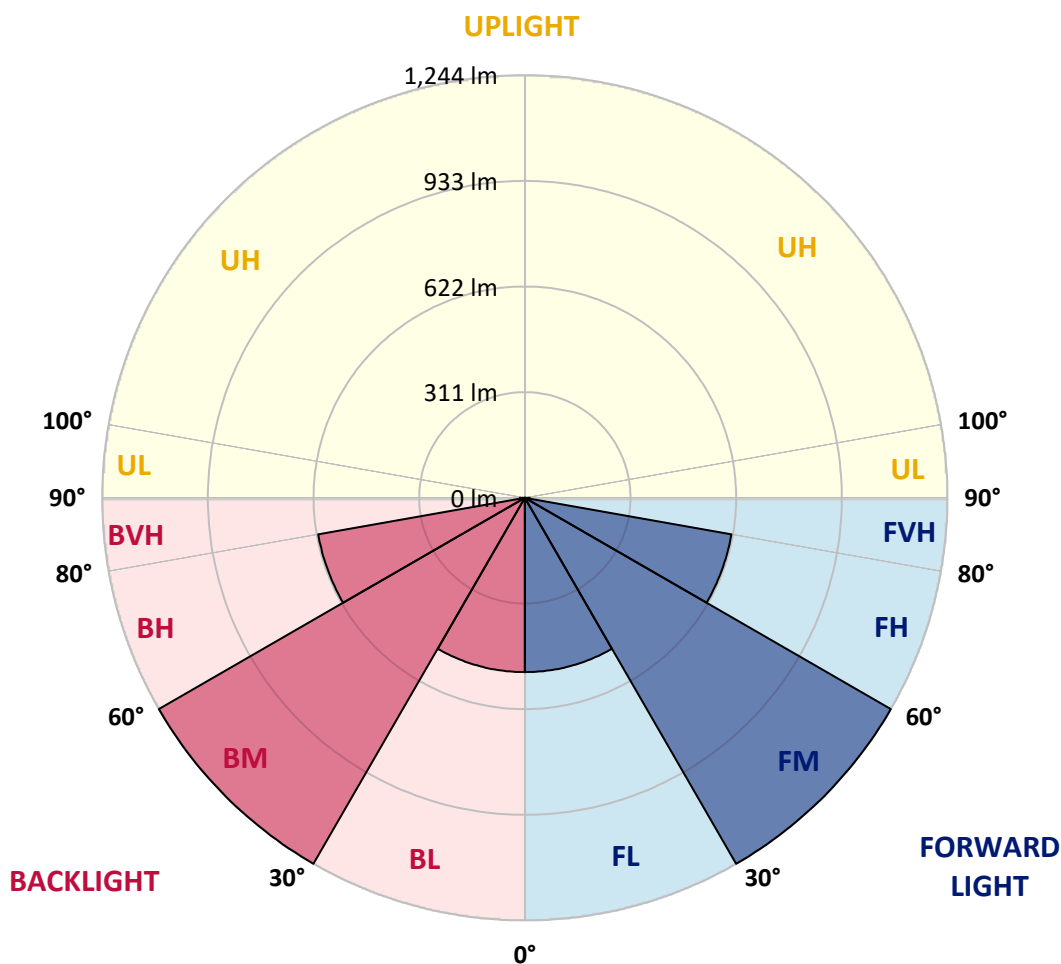
CATALOG NUMBER: GKO-PB1E-830-U-T1

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	513.3	10.7			
FM	(30°-60°)	1244.4	26.0			
FH	(60°-80°)	617.9	12.9			G0/660
FVH	(80°-90°)	14.5	0.3			G1/100
BL	(0°-30°)	513.3	10.7	B2/1000		
BM	(30°-60°)	1244.4	26.0	B2/2500		
BH	(60°-80°)	617.9	12.9	B2/1000		G2/1000
BVH	(80°-90°)	14.5	0.3			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 I Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	70°	75°	80°
0°	1186.2	1186.2	1186.2	1186.2	1186.2	1186.2	1186.2	1186.2	1186.2	1186.2	1186.2
2.5°	1187.1	1188.8	1185.3	1185.3	1187.1	1188.0	1188.0	1188.8	1187.1	1187.1	1186.2
5°	1187.1	1188.0	1186.2	1186.2	1188.0	1190.6	1189.7	1191.5	1191.5	1190.6	1190.6
7.5°	1186.2	1188.0	1186.2	1187.1	1189.7	1195.0	1195.0	1195.0	1196.8	1198.5	1198.5
10°	1185.3	1187.1	1188.0	1188.8	1192.4	1200.3	1202.1	1202.9	1205.6	1208.2	1208.2
12.5°	1180.9	1182.7	1185.3	1188.8	1195.0	1205.6	1209.1	1211.7	1216.2	1218.8	1220.6
15°	1174.7	1175.6	1181.8	1188.8	1198.5	1211.7	1218.8	1223.2	1229.4	1232.9	1235.5
17.5°	1165.9	1166.8	1176.5	1187.1	1201.2	1219.7	1231.1	1238.2	1244.4	1249.6	1253.2
20°	1154.5	1157.1	1168.6	1185.3	1205.6	1227.6	1244.4	1256.7	1262.9	1268.1	1273.4
22.5°	1140.4	1143.0	1157.1	1180.9	1210.0	1238.2	1260.2	1276.1	1284.0	1291.1	1297.2
25°	1119.2	1122.7	1139.5	1170.3	1211.7	1249.6	1277.8	1298.1	1305.2	1314.0	1319.3
27.5°	1086.6	1089.2	1109.5	1149.2	1206.5	1262.0	1298.1	1321.9	1329.8	1339.5	1344.8
30°	1035.5	1040.8	1065.5	1114.8	1193.2	1271.7	1321.9	1345.7	1355.4	1365.1	1372.1
32.5°	969.4	977.3	1004.6	1068.1	1167.7	1275.2	1347.5	1374.8	1387.1	1397.7	1406.5
35°	887.4	895.4	928.0	1008.2	1127.1	1268.1	1373.0	1408.3	1423.2	1437.3	1447.9
37.5°	794.0	801.1	840.7	932.4	1069.0	1246.1	1393.3	1445.3	1465.6	1484.1	1498.2
40°	699.7	707.7	750.8	848.7	998.5	1203.8	1402.1	1485.8	1511.4	1535.2	1552.8
42.5°	597.5	607.2	655.7	759.7	916.5	1145.6	1395.0	1525.5	1557.2	1589.8	1616.2
45°	506.7	508.5	561.4	661.8	826.6	1070.7	1370.4	1563.4	1606.6	1652.4	1690.3
47.5°	419.5	423.0	468.8	568.4	733.2	986.1	1325.4	1593.3	1662.1	1721.1	1776.6
50°	341.9	346.3	387.8	476.8	639.8	893.6	1264.6	1611.0	1709.7	1789.9	1867.4
52.5°	278.5	283.8	318.1	396.6	545.5	796.7	1189.7	1613.6	1752.8	1858.6	1961.7
55°	231.8	235.3	261.7	324.3	454.7	696.2	1104.2	1600.4	1781.0	1920.3	2057.8
57.5°	195.6	199.2	217.7	267.0	372.8	593.1	1000.2	1569.5	1796.0	1974.0	2154.7
60°	170.1	172.7	185.9	221.2	306.7	496.2	888.3	1514.9	1791.6	2007.5	2234.9
62.5°	151.6	152.5	163.9	188.6	252.9	404.5	762.3	1432.9	1755.5	2011.9	2289.5
65°	134.8	135.7	142.8	160.4	208.0	325.2	631.0	1320.1	1686.7	1981.1	2297.5
67.5°	109.3	111.0	121.6	134.8	171.0	257.3	497.0	1172.1	1579.2	1900.9	2252.5
70°	87.2	88.1	98.7	113.7	139.2	202.7	381.6	972.9	1410.9	1770.5	2136.2
72.5°	65.2	67.0	76.7	91.7	113.7	156.9	275.8	735.9	1128.0	1492.9	1860.4
75°	52.0	52.9	56.4	70.5	88.1	119.0	185.9	445.9	679.5	923.6	1140.4
77.5°	44.1	44.9	44.9	54.6	65.2	80.2	98.7	177.1	287.3	408.9	542.0
80°	36.1	37.9	34.4	40.5	46.7	46.7	45.8	84.6	135.7	192.1	252.0
82.5°	26.4	28.2	26.4	28.2	28.2	25.6	23.8	31.7	43.2	59.0	64.3
85°	18.5	19.4	21.2	19.4	18.5	15.0	11.5	8.8	5.3	6.2	8.8
87.5°	12.3	15.0	17.6	16.7	14.1	11.5	7.9	5.3	2.6	3.5	3.5
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):

	85°	87.5°	90°
0°	1186.2	1186.2	1186.2
2.5°	1187.1	1186.2	1185.3
5°	1191.5	1190.6	1189.7
7.5°	1197.6	1197.6	1197.6
10°	1207.3	1209.1	1209.1
12.5°	1219.7	1221.4	1221.4
15°	1234.7	1235.5	1237.3
17.5°	1253.2	1254.0	1254.0
20°	1275.2	1274.3	1276.1
22.5°	1297.2	1297.2	1297.2
25°	1320.1	1320.1	1320.1
27.5°	1346.6	1346.6	1344.8
30°	1375.7	1375.7	1375.7
32.5°	1410.9	1411.8	1412.7
35°	1455.9	1457.6	1460.3
37.5°	1507.0	1511.4	1514.0
40°	1567.8	1569.5	1573.9
42.5°	1635.6	1640.9	1641.8
45°	1720.2	1729.0	1732.6
47.5°	1819.8	1832.2	1838.3
50°	1930.9	1945.0	1953.8
52.5°	2051.6	2074.5	2085.1
55°	2180.3	2219.9	2231.4
57.5°	2325.7	2379.4	2395.3
60°	2468.4	2544.2	2569.8
62.5°	2590.0	2696.7	2728.4
65°	2675.5	2804.2	2850.9
67.5°	2693.2	2845.6	2901.1
70°	2587.4	2743.4	2807.7
72.5°	2249.9	2390.9	2471.1
75°	1329.0	1430.3	1405.6
77.5°	667.1	696.2	700.6
80°	292.6	310.2	317.3
82.5°	72.3	74.0	83.7
85°	9.7	11.5	10.6
87.5°	3.5	3.5	4.4
90°	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: SP3-2511-595-4

Test Date: 11/12/2025

Luminaire Tested: GKO-PB1C-830-U-T4W

Data in this report applies to families of products including GKO-PB1C-830*

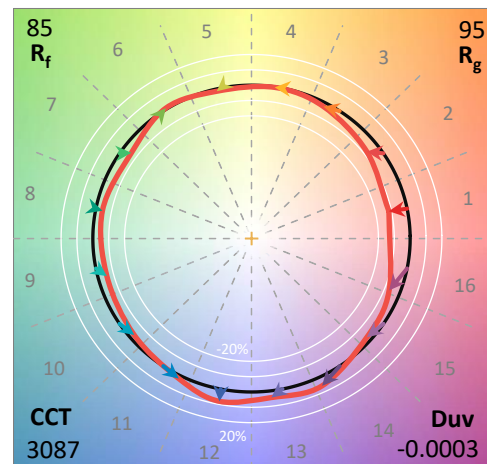
Test Information

Test Method: LM-79-2019
 Report Number: SP3-2511-595-4
 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-830-U-T4W**
 Description: Gekko Wedge Wall Pack Fixture 1 SQ w/ T4W distribution

Spectral Parameters

CCT (K): 3087
 CIE u' : 0.2477
 CIE v' : 0.5192
 Duv: -0.0003
 CIE x: 0.4305
 CIE y: 0.4010
 CIE z: 0.1685
 Peak Wavelength (nm): 601
 Dominant Wavelength (nm): 582
 Purity: 49.5752
 Rf: 84.7
 Rg: 94.9

CRI (Ra): 82.7
 R1: 81.5
 R2: 92.1
 R3: 95.2
 R4: 80.4
 R5: 81.9
 R6: 90.5
 R7: 82.0
 R8: 58.3
 R9: 5.8
 R10: 82.0
 R11: 80.1
 R12: 71.1
 R13: 84.2
 R14: 98.1
 R15: 73.7



Test Conditions

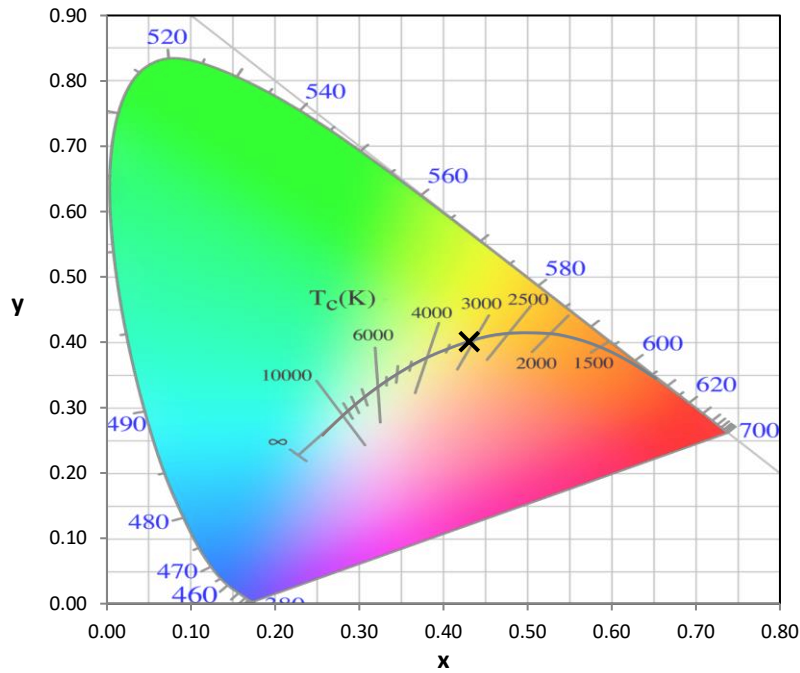
Stabilization Time: 20M
 Operation Time: 1H 20M
 Sphere Temperature (°C): 25.0

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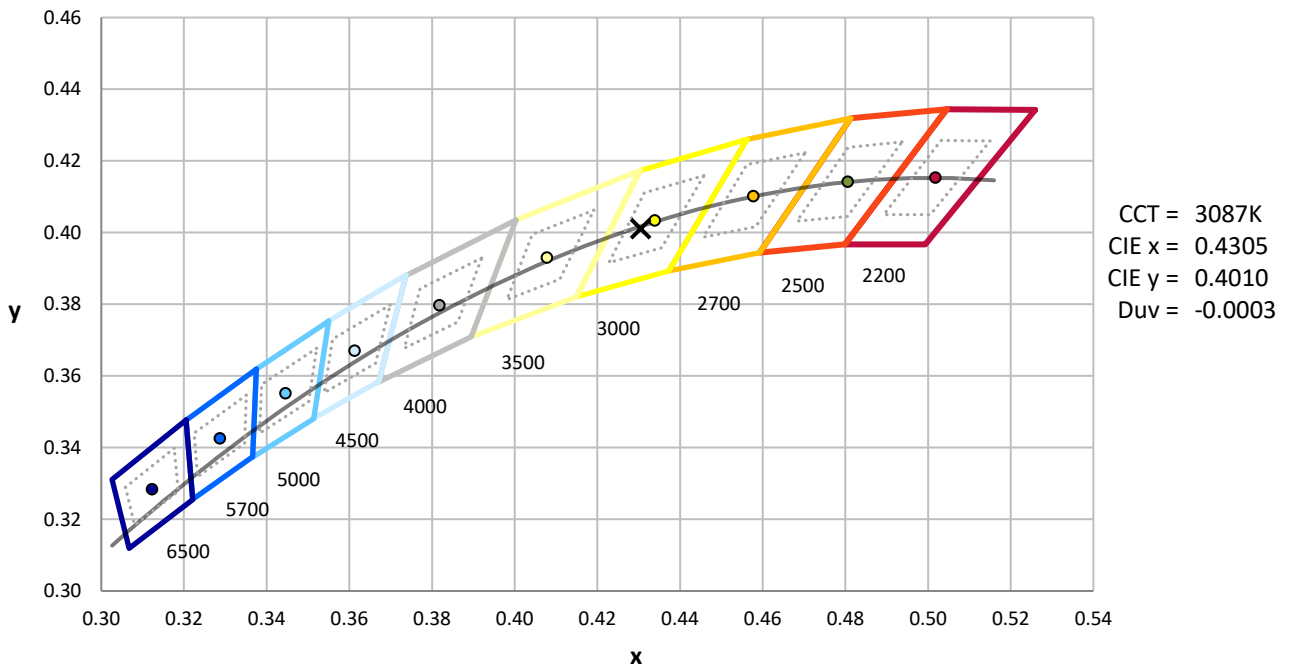
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	3M SPHERE IN02505	7/1/2025	1/1/2026
Power Meter	XITRON INXT2011006	10/21/2025	10/21/2026
AC Power Source	CHROMA 61604 IN6064A	10/20/2025	10/20/2026
DC Power Source	EYSIGHT N5770A IN0534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

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CIE 1931 Chromaticity Diagram



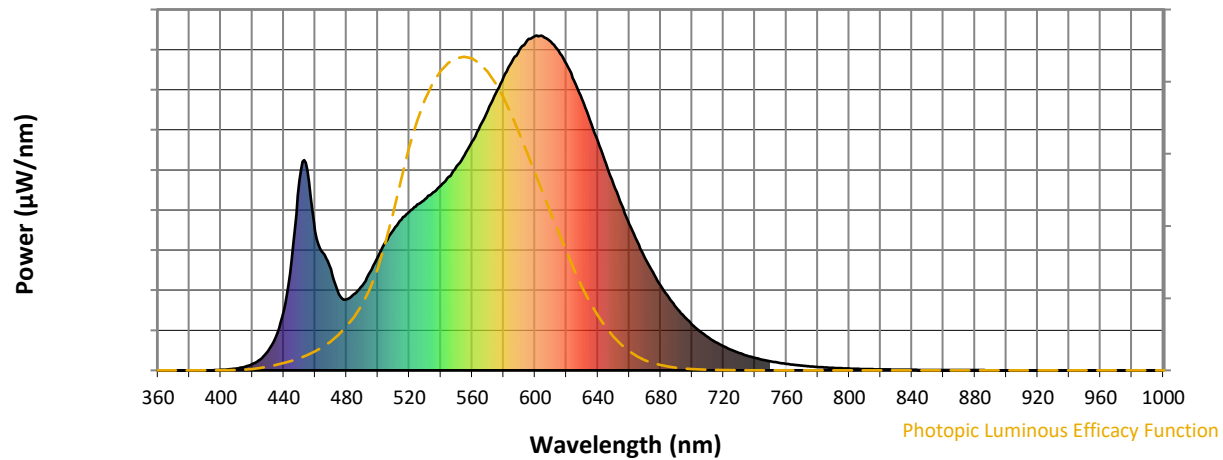
CIE 1931 Chromaticity Diagram with 2017 ANSI 7-Step and 4-Step Quadrangles



Point lies inside the ANSI 3000K 4-step quadrangle

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Photopic Flux vs. Wavelength

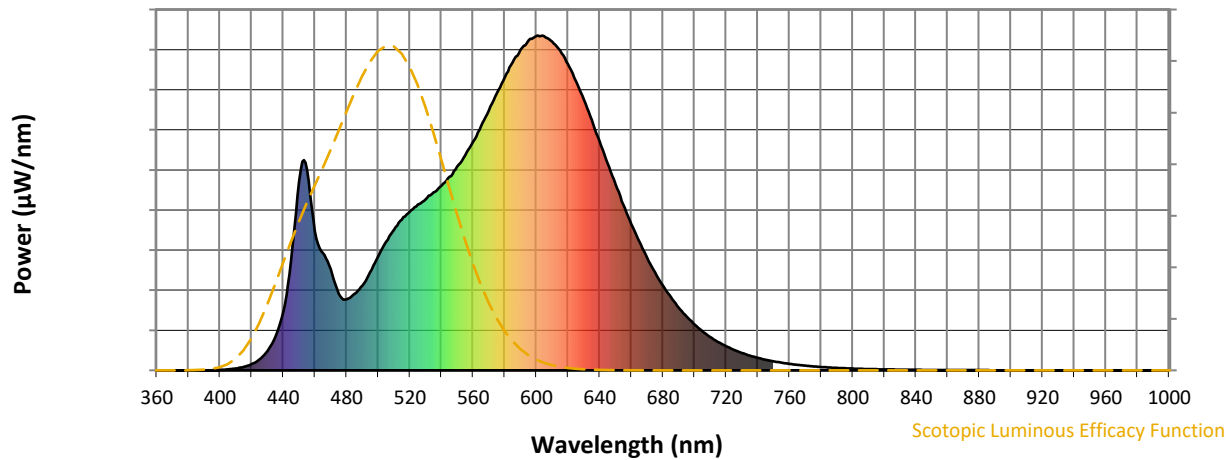


Photopic Lumens: NR

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	253	NR	620	915	NR	750	27	NR	880	1	NR
365	0	NR	495	293	NR	625	864	NR	755	23	NR	885	1	NR
370	0	NR	500	340	NR	630	809	NR	760	19	NR	890	0	NR
375	0	NR	505	384	NR	635	748	NR	765	16	NR	895	0	NR
380	0	NR	510	420	NR	640	684	NR	770	14	NR	900	0	NR
385	0	NR	515	450	NR	645	619	NR	775	12	NR	905	0	NR
390	0	NR	520	474	NR	650	556	NR	780	10	NR	910	0	NR
395	0	NR	525	495	NR	655	495	NR	785	9	NR	915	0	NR
400	2	NR	530	511	NR	660	437	NR	790	7	NR	920	0	NR
405	3	NR	535	531	NR	665	385	NR	795	6	NR	925	0	NR
410	6	NR	540	551	NR	670	336	NR	800	5	NR	930	0	NR
415	10	NR	545	578	NR	675	293	NR	805	5	NR	935	0	NR
420	19	NR	550	609	NR	680	253	NR	810	4	NR	940	0	NR
425	33	NR	555	642	NR	685	219	NR	815	3	NR	945	0	NR
430	58	NR	560	683	NR	690	187	NR	820	3	NR	950	0	NR
435	101	NR	565	730	NR	695	161	NR	825	2	NR	955	0	NR
440	176	NR	570	776	NR	700	137	NR	830	2	NR	960	0	NR
445	329	NR	575	827	NR	705	117	NR	835	2	NR	965	0	NR
450	565	NR	580	876	NR	710	100	NR	840	2	NR	970	0	NR
455	599	NR	585	919	NR	715	84	NR	845	1	NR	975	0	NR
460	416	NR	590	958	NR	720	72	NR	850	1	NR	980	0	NR
465	350	NR	595	985	NR	725	61	NR	855	1	NR	985	0	NR
470	302	NR	600	998	NR	730	52	NR	860	1	NR	990	0	NR
475	229	NR	605	998	NR	735	44	NR	865	1	NR	995	0	NR
480	212	NR	610	982	NR	740	37	NR	870	1	NR	1000	0	NR
485	228	NR	615	955	NR	745	32	NR	875	1	NR			

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Scotopic Flux vs. Wavelength



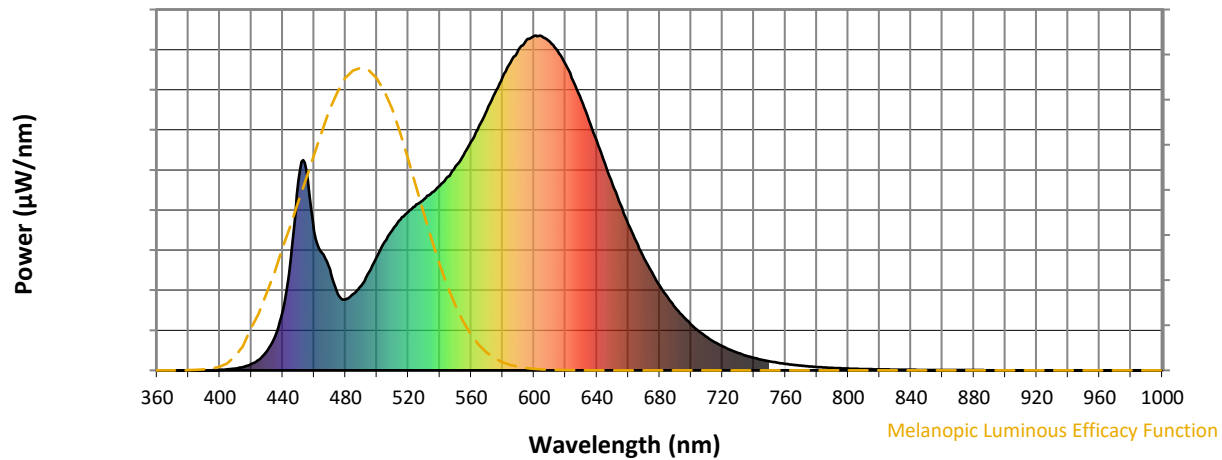
Scotopic Lumens: NR

S/P: 1.4

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	253	NR	620	915	NR	750	27	NR	880	1	NR
365	0	NR	495	293	NR	625	864	NR	755	23	NR	885	1	NR
370	0	NR	500	340	NR	630	809	NR	760	19	NR	890	0	NR
375	0	NR	505	384	NR	635	748	NR	765	16	NR	895	0	NR
380	0	NR	510	420	NR	640	684	NR	770	14	NR	900	0	NR
385	0	NR	515	450	NR	645	619	NR	775	12	NR	905	0	NR
390	0	NR	520	474	NR	650	556	NR	780	10	NR	910	0	NR
395	0	NR	525	495	NR	655	495	NR	785	9	NR	915	0	NR
400	2	NR	530	511	NR	660	437	NR	790	7	NR	920	0	NR
405	3	NR	535	531	NR	665	385	NR	795	6	NR	925	0	NR
410	6	NR	540	551	NR	670	336	NR	800	5	NR	930	0	NR
415	10	NR	545	578	NR	675	293	NR	805	5	NR	935	0	NR
420	19	NR	550	609	NR	680	253	NR	810	4	NR	940	0	NR
425	33	NR	555	642	NR	685	219	NR	815	3	NR	945	0	NR
430	58	NR	560	683	NR	690	187	NR	820	3	NR	950	0	NR
435	101	NR	565	730	NR	695	161	NR	825	2	NR	955	0	NR
440	176	NR	570	776	NR	700	137	NR	830	2	NR	960	0	NR
445	329	NR	575	827	NR	705	117	NR	835	2	NR	965	0	NR
450	565	NR	580	876	NR	710	100	NR	840	2	NR	970	0	NR
455	599	NR	585	919	NR	715	84	NR	845	1	NR	975	0	NR
460	416	NR	590	958	NR	720	72	NR	850	1	NR	980	0	NR
465	350	NR	595	985	NR	725	61	NR	855	1	NR	985	0	NR
470	302	NR	600	998	NR	730	52	NR	860	1	NR	990	0	NR
475	229	NR	605	998	NR	735	44	NR	865	1	NR	995	0	NR
480	212	NR	610	982	NR	740	37	NR	870	1	NR	1000	0	NR
485	228	NR	615	955	NR	745	32	NR	875	1	NR			

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Melanopic Flux vs. Wavelength

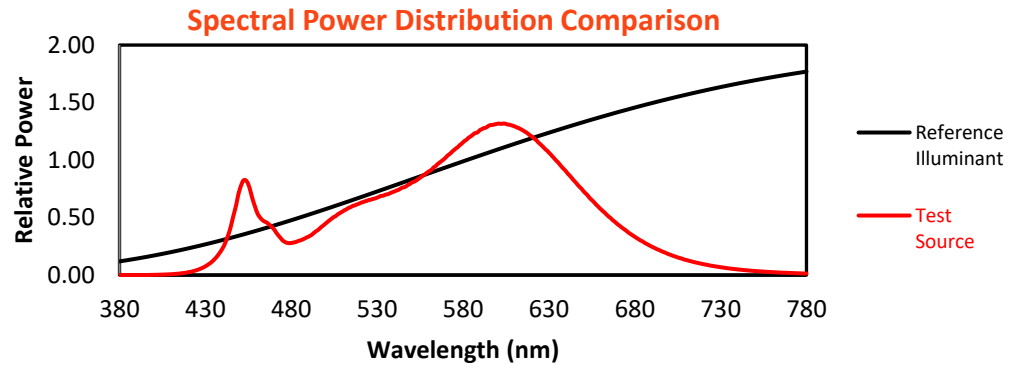
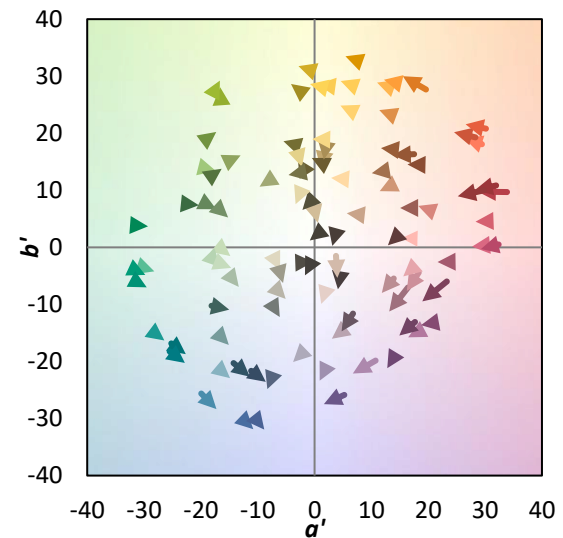
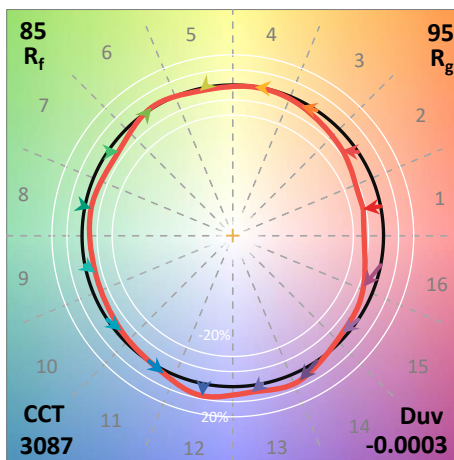
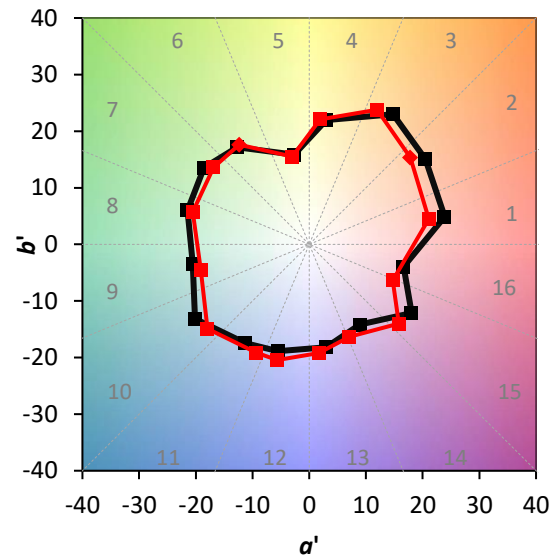
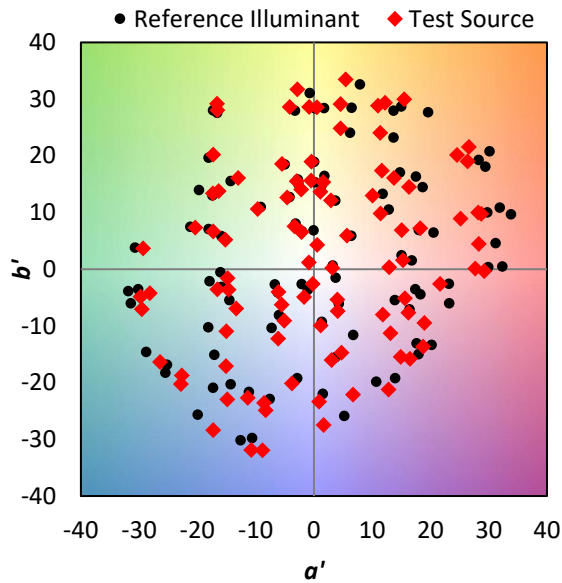


Melanopic Lumens: NR

M/P: 2.74

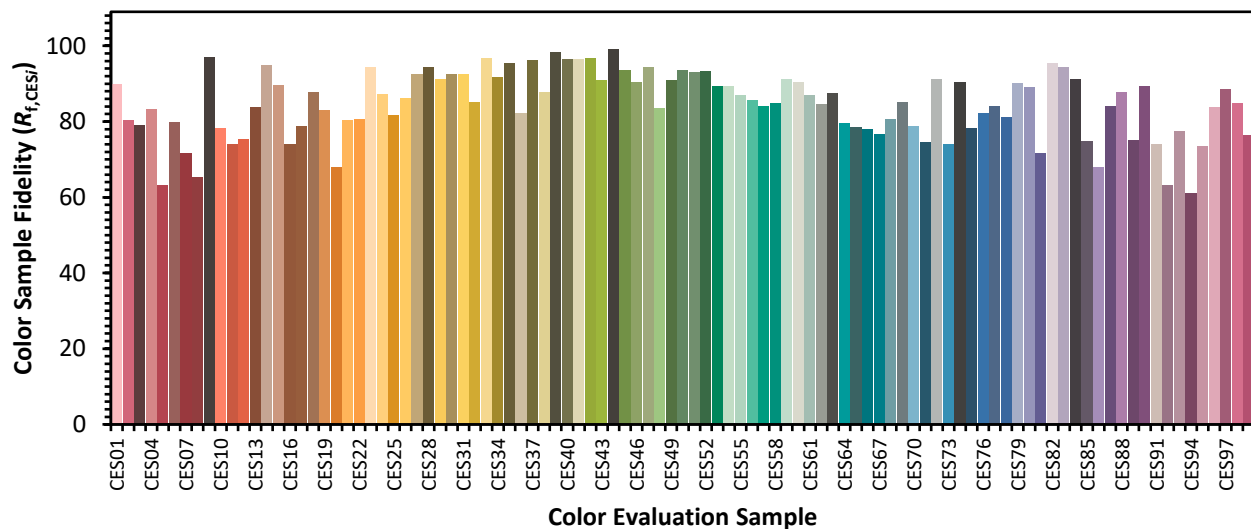
λ (nm)	Power $\text{W}^{\wedge}/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^{\wedge}/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^{\wedge}/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^{\wedge}/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^{\wedge}/\text{nm}$	Lumens (ϕ/nm)
360	0	NR	490	253	NR	620	915	NR	750	27	NR	880	1	NR
365	0	NR	495	293	NR	625	864	NR	755	23	NR	885	1	NR
370	0	NR	500	340	NR	630	809	NR	760	19	NR	890	0	NR
375	0	NR	505	384	NR	635	748	NR	765	16	NR	895	0	NR
380	0	NR	510	420	NR	640	684	NR	770	14	NR	900	0	NR
385	0	NR	515	450	NR	645	619	NR	775	12	NR	905	0	NR
390	0	NR	520	474	NR	650	556	NR	780	10	NR	910	0	NR
395	0	NR	525	495	NR	655	495	NR	785	9	NR	915	0	NR
400	2	NR	530	511	NR	660	437	NR	790	7	NR	920	0	NR
405	3	NR	535	531	NR	665	385	NR	795	6	NR	925	0	NR
410	6	NR	540	551	NR	670	336	NR	800	5	NR	930	0	NR
415	10	NR	545	578	NR	675	293	NR	805	5	NR	935	0	NR
420	19	NR	550	609	NR	680	253	NR	810	4	NR	940	0	NR
425	33	NR	555	642	NR	685	219	NR	815	3	NR	945	0	NR
430	58	NR	560	683	NR	690	187	NR	820	3	NR	950	0	NR
435	101	NR	565	730	NR	695	161	NR	825	2	NR	955	0	NR
440	176	NR	570	776	NR	700	137	NR	830	2	NR	960	0	NR
445	329	NR	575	827	NR	705	117	NR	835	2	NR	965	0	NR
450	565	NR	580	876	NR	710	100	NR	840	2	NR	970	0	NR
455	599	NR	585	919	NR	715	84	NR	845	1	NR	975	0	NR
460	416	NR	590	958	NR	720	72	NR	850	1	NR	980	0	NR
465	350	NR	595	985	NR	725	61	NR	855	1	NR	985	0	NR
470	302	NR	600	998	NR	730	52	NR	860	1	NR	990	0	NR
475	229	NR	605	998	NR	735	44	NR	865	1	NR	995	0	NR
480	212	NR	610	982	NR	740	37	NR	870	1	NR	1000	0	NR
485	228	NR	615	955	NR	745	32	NR	875	1	NR			

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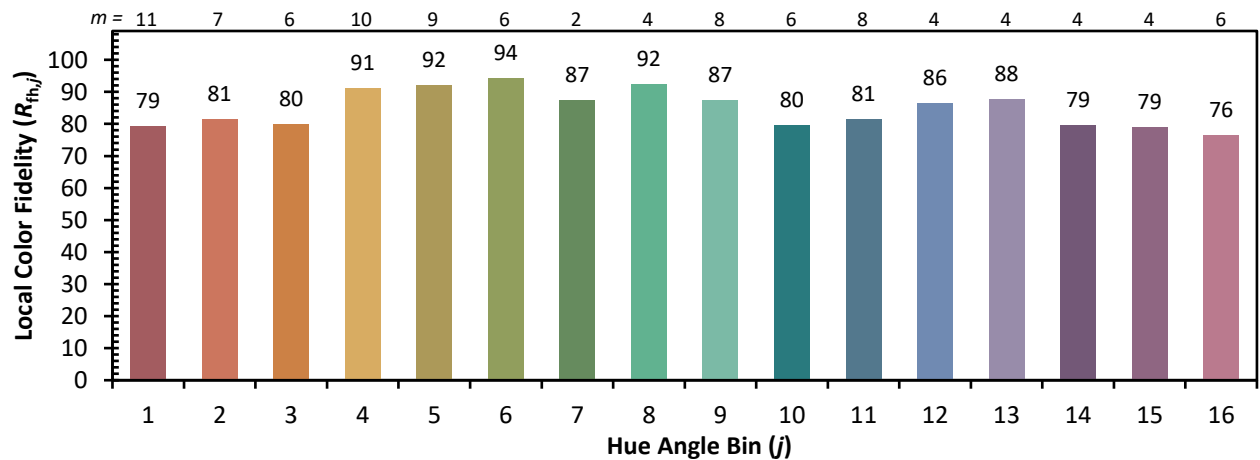
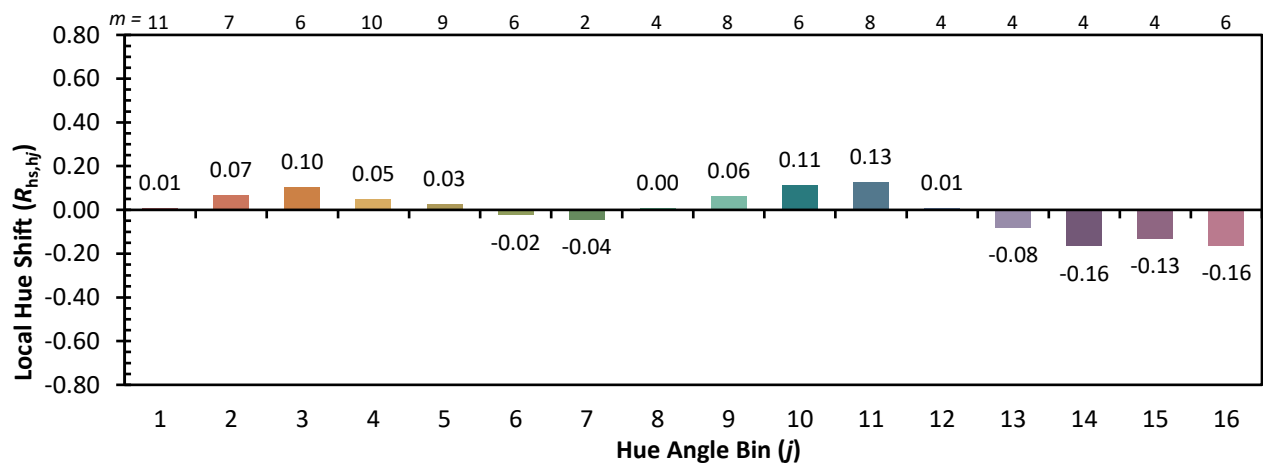
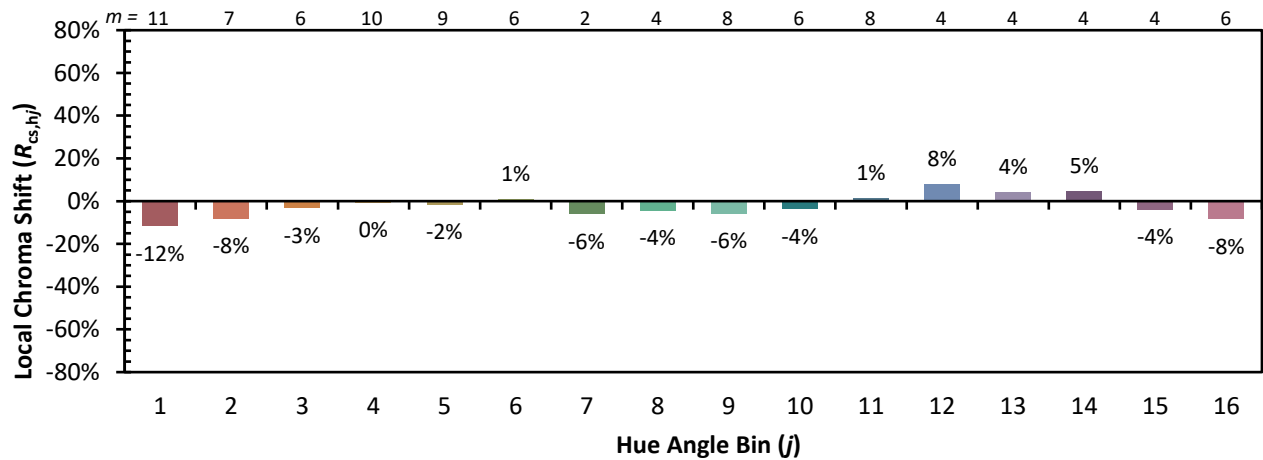
TM-30-18
Summary
 $R_f = 84.7$
 $R_g = 94.9$
 $CIE\ R_a = 82.7$
 $R_g = 5.8$

Color Vector Graphics


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

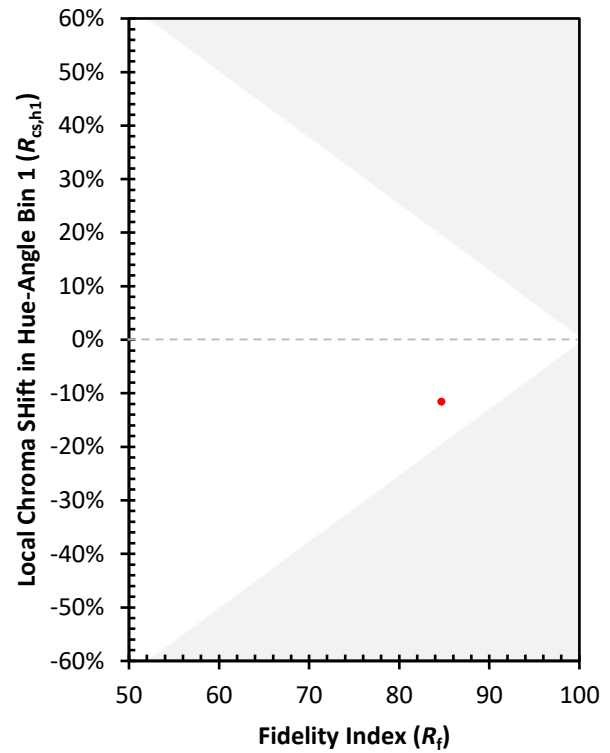
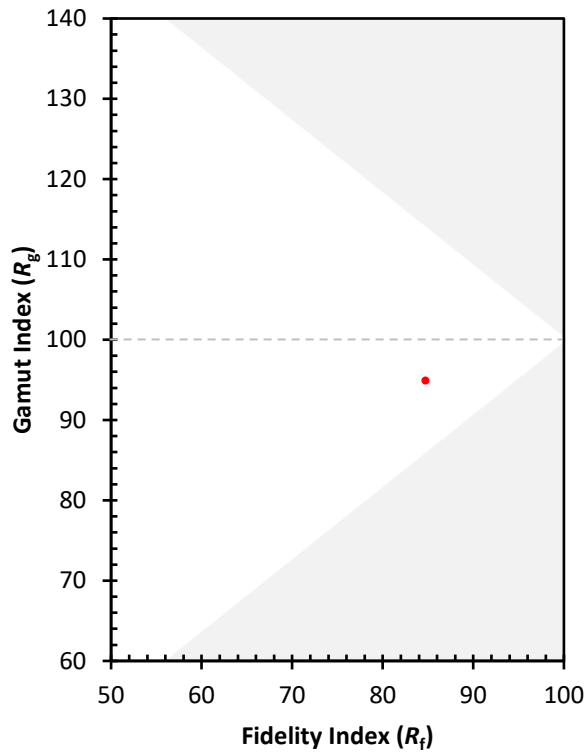
CES01 = 86	CES26 = 86	CES51 = 93	CES76 = 82
CES02 = 63	CES27 = 93	CES52 = 93	CES77 = 84
CES03 = 31	CES28 = 94	CES53 = 89	CES78 = 81
CES04 = 70	CES29 = 91	CES54 = 89	CES79 = 90
CES05 = 49	CES30 = 93	CES55 = 87	CES80 = 89
CES06 = 51	CES31 = 93	CES56 = 86	CES81 = 72
CES07 = 42	CES32 = 85	CES57 = 84	CES82 = 95
CES08 = 41	CES33 = 97	CES58 = 85	CES83 = 94
CES09 = 29	CES34 = 92	CES59 = 91	CES84 = 91
CES10 = 76	CES35 = 95	CES60 = 90	CES85 = 75
CES11 = 59	CES36 = 82	CES61 = 87	CES86 = 68
CES12 = 65	CES37 = 96	CES62 = 85	CES87 = 84
CES13 = 43	CES38 = 88	CES63 = 87	CES88 = 88
CES14 = 74	CES39 = 98	CES64 = 80	CES89 = 75
CES15 = 72	CES40 = 96	CES65 = 79	CES90 = 89
CES16 = 47	CES41 = 96	CES66 = 78	CES91 = 74
CES17 = 50	CES42 = 97	CES67 = 77	CES92 = 63
CES18 = 56	CES43 = 91	CES68 = 81	CES93 = 77
CES19 = 72	CES44 = 99	CES69 = 85	CES94 = 61
CES20 = 66	CES45 = 93	CES70 = 79	CES95 = 74
CES21 = 87	CES46 = 90	CES71 = 75	CES96 = 84
CES22 = 79	CES47 = 94	CES72 = 91	CES97 = 89
CES23 = 92	CES48 = 84	CES73 = 74	CES98 = 85
CES24 = 91	CES49 = 91	CES74 = 90	CES99 = 77
CES25 = 72	CES50 = 93	CES75 = 78	



Color Rendition by Hue-Angle Bin



Measure Comparisons



(END OF REPORT)