

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: P1211868

Luminaire Tested: **GKO-PB2D-840-U-T3**

Issue Date: 11/5/2025



Test Information

Test Method: LM-79-08
Report Number: P1211868
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-T3
Description: GEKKO WALL PACK 10000LM PACKAGE 80CRI 4000K FIXTURE w/ TYPE III DISTRIBUTION OPTIC
Light Source: (20) 4000K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

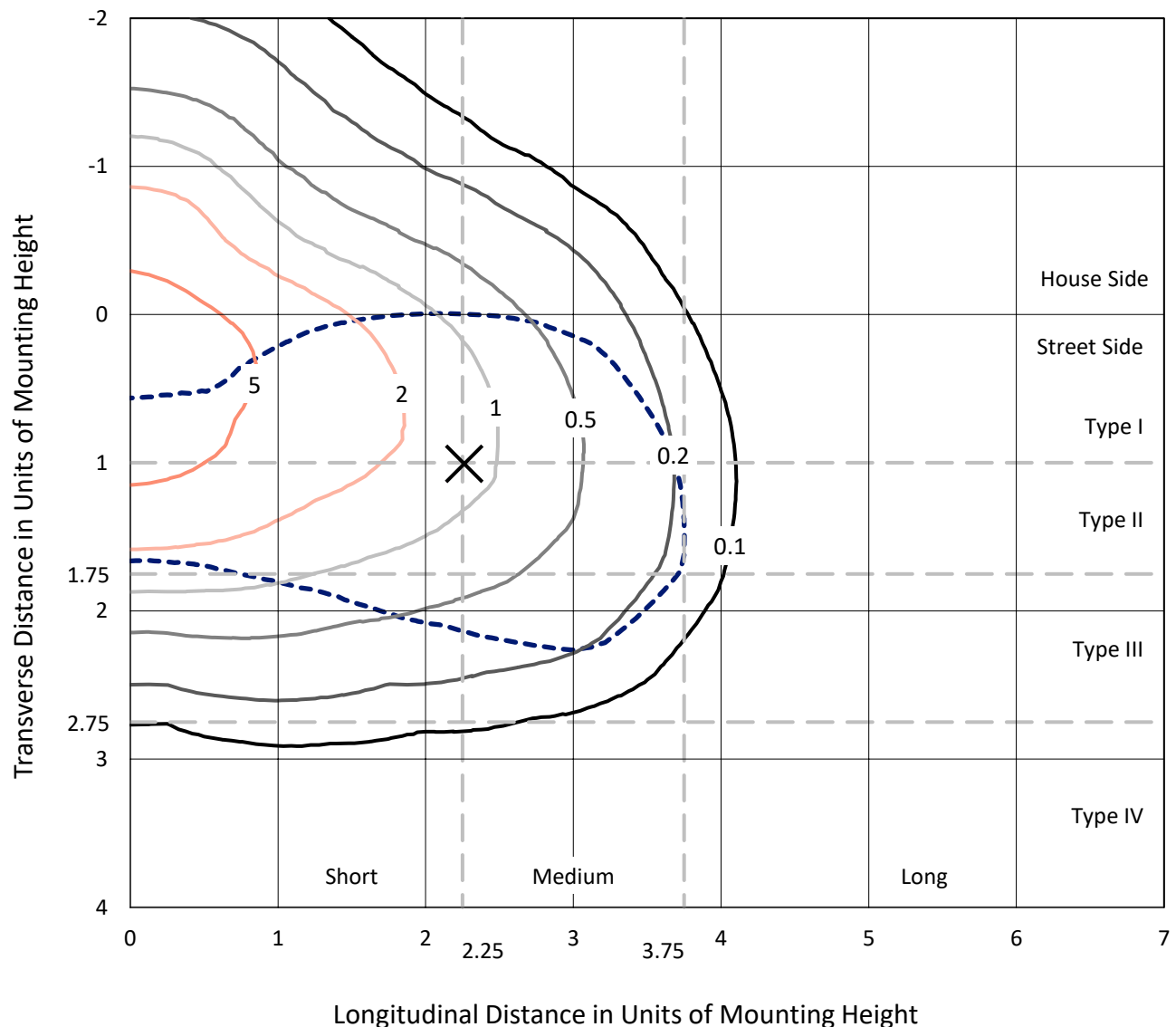
Lumens per Lamp: N/A
Luminaire Lumens: 9574.8 lumens
Efficiency: N/A
Efficacy: 125.7 lumens/watt
Luminous Opening: Rectangular (W 0.67' x L: 0.33' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B2 - U0 - G2

Input Watts (W): 76.2
Input Voltage (V): 120
Input Current (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

REPORT NUMBER: P1211868
 CATALOG NUMBER: GKO-PB2D-840-U-T3

Iso-Footcandle Lines of Horizontal Illumination

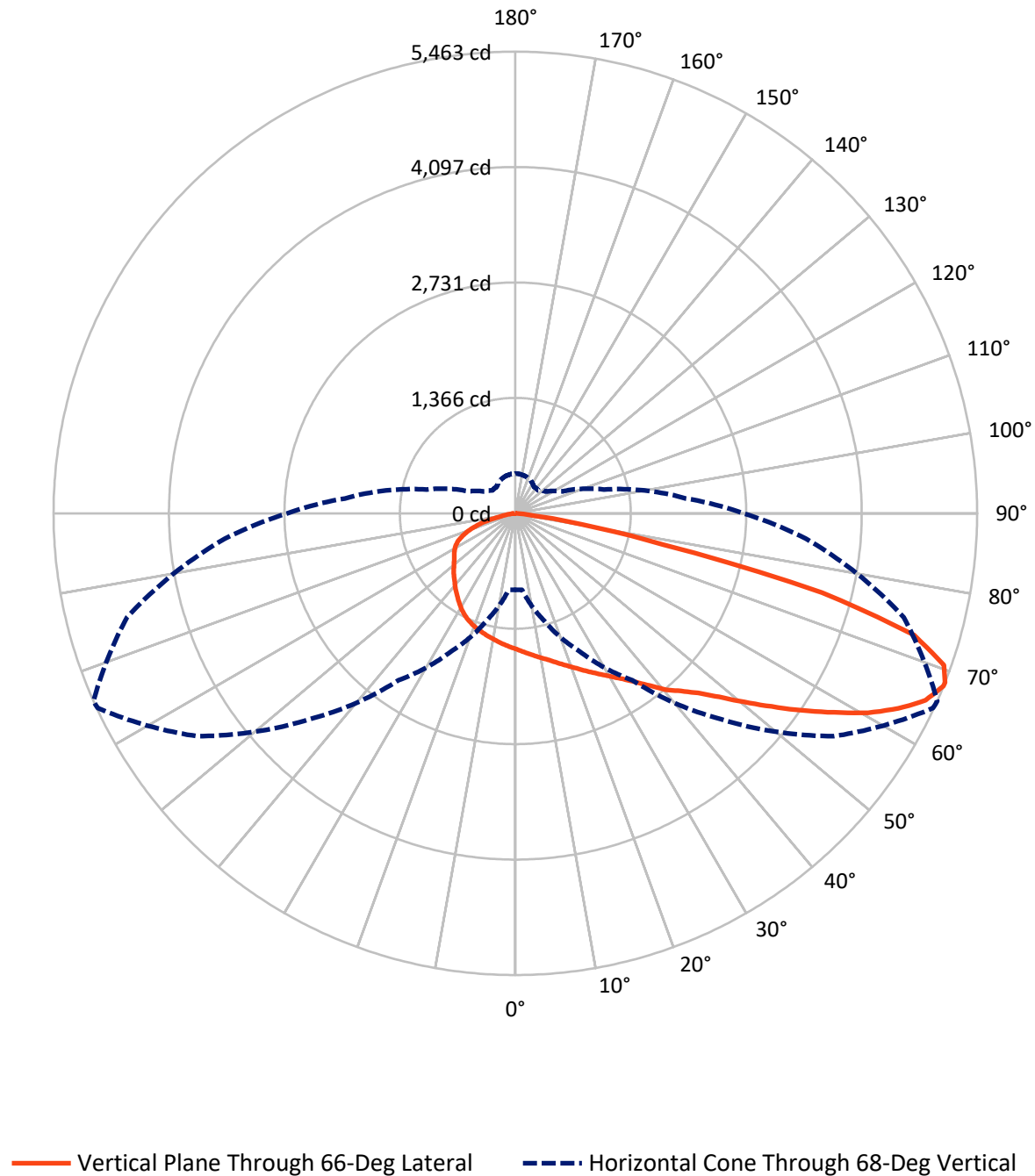
× Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 8.2 fc
 Type III - Medium - N/A

REPORT NUMBER: P1211868
CATALOG NUMBER: GKO-PB2D-840-U-T3

Luminous Intensity Polar Plot



REPORT NUMBER: P1211868

CATALOG NUMBER: GKO-PB2D-840-U-T3

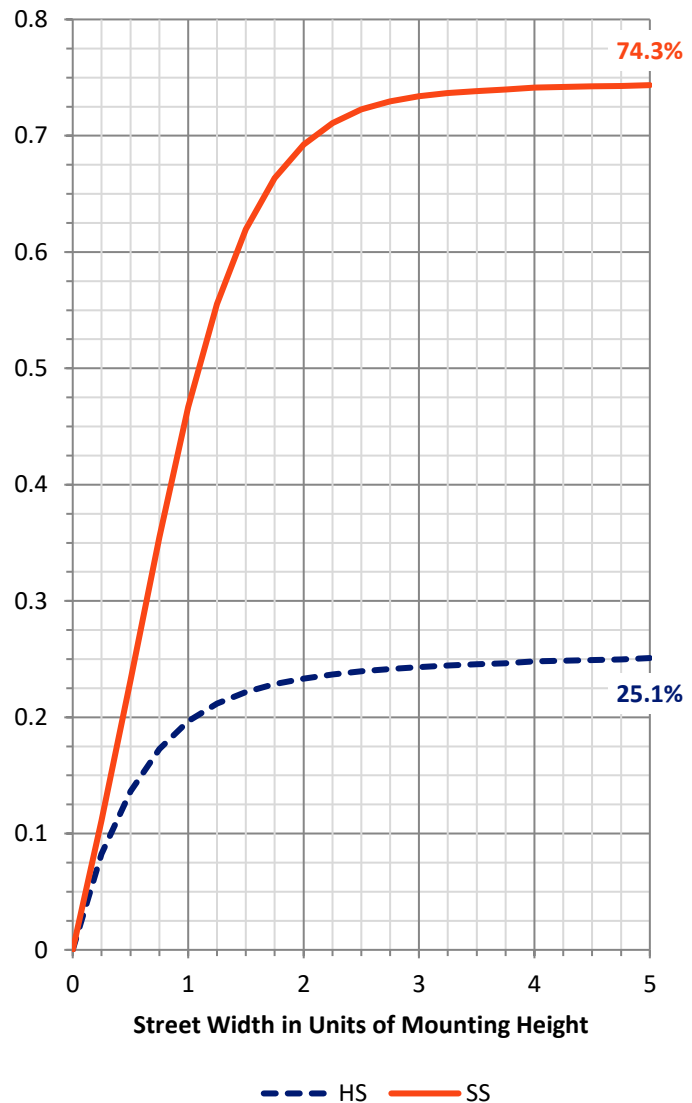
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2451.3	0.0	2451.3
	% Fixture	25.6	0.0	25.6
Street Side	Lumens	7123.5	0.0	7123.5
	% Fixture	74.4	0.0	74.4
Total	Lumens	9574.8	0.0	9574.8
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	154.0	1.6
10°-20°	463.1	4.8
20°-30°	798.0	8.3
30°-40°	1237.8	12.9
40°-50°	1695.8	17.7
50°-60°	2022.9	21.1
60°-70°	2027.0	21.2
70°-80°	1072.7	11.2
80°-90°	103.5	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°	9574.8	100.0
0°-180°	9574.8	100.0



REPORT NUMBER: P1211868

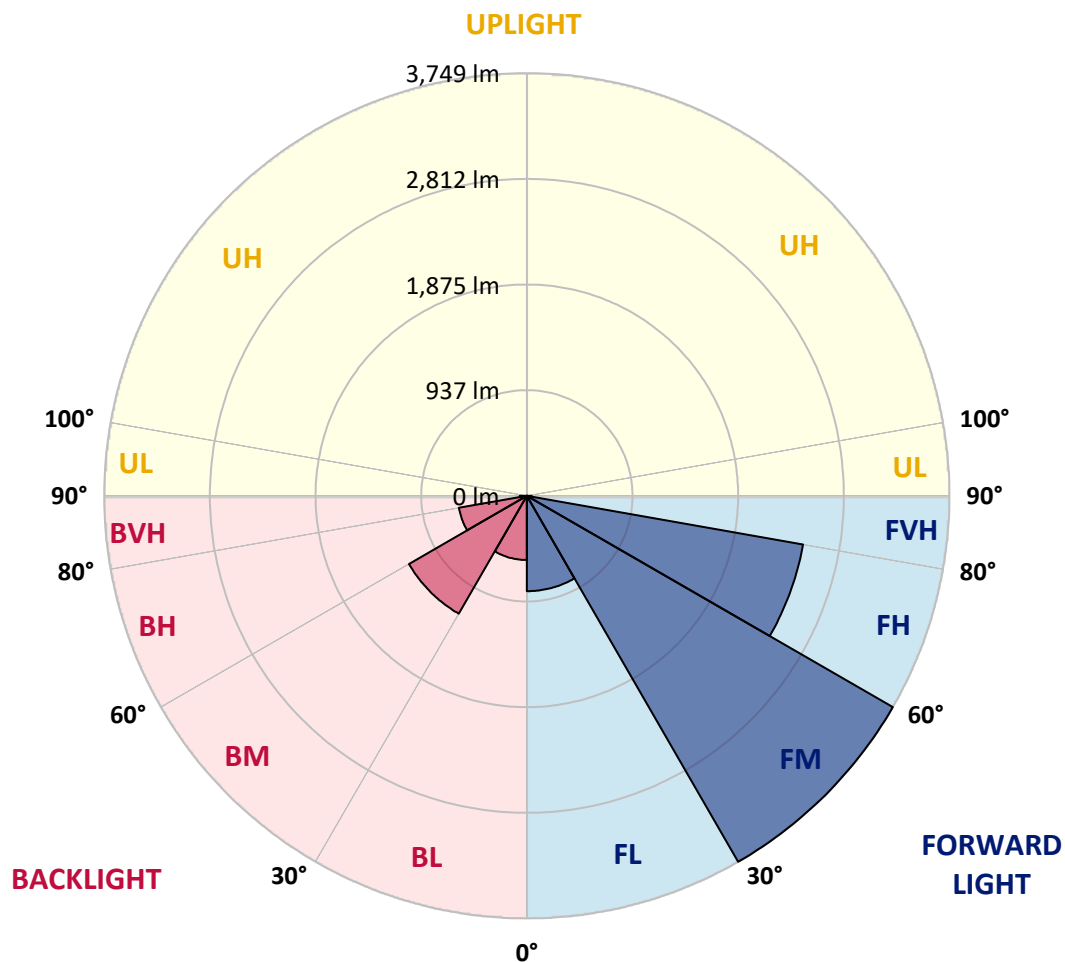
CATALOG NUMBER: GKO-PB2D-840-U-T3

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	845.7	8.8			
FM	(30°-60°)	3749.0	39.2			
FH	(60°-80°)	2488.1	26.0			G2/5000
FVH	(80°-90°)	40.7	0.4			G1/100
BL	(0°-30°)	569.4	5.9	B2/1000		
BM	(30°-60°)	1207.5	12.6	B2/2500		
BH	(60°-80°)	611.6	6.4	B2/1000		G2/1000
BVH	(80°-90°)	62.8	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





REPORT NUMBER: P1211868

CATALOG NUMBER: GKO-PB2D-840-U-T3

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	66°	75°	85°
0°	1605.9	1605.9	1605.9	1605.9	1605.9	1605.9	1605.9	1605.9	1605.9	1605.9	1605.9
2.5°	1672.8	1672.8	1669.1	1667.2	1665.4	1654.2	1646.8	1637.5	1637.5	1622.6	1609.6
5°	1730.4	1732.3	1724.9	1724.9	1717.4	1702.6	1687.7	1669.1	1669.1	1646.8	1620.8
7.5°	1780.6	1786.2	1778.8	1778.8	1771.3	1754.6	1730.4	1704.4	1704.4	1672.8	1635.6
10°	1828.9	1832.7	1828.9	1832.7	1821.5	1806.6	1778.8	1743.4	1741.6	1702.6	1650.5
12.5°	1868.0	1871.7	1873.6	1879.1	1869.8	1858.7	1832.7	1788.1	1782.5	1736.0	1669.1
15°	1905.1	1908.9	1914.4	1921.9	1920.0	1910.7	1886.6	1836.4	1832.7	1773.2	1693.3
17.5°	1934.9	1936.7	1947.9	1962.8	1966.5	1968.3	1942.3	1890.3	1886.6	1815.9	1719.3
20°	1977.6	1981.4	1992.5	2007.4	2018.5	2026.0	2005.5	1947.9	1944.2	1866.1	1752.7
22.5°	2074.3	2068.7	2074.3	2074.3	2079.9	2091.0	2076.1	2018.5	2011.1	1925.6	1793.6
25°	2256.4	2250.9	2236.0	2202.5	2165.4	2163.5	2146.8	2091.0	2081.7	1986.9	1832.7
27.5°	2511.1	2498.1	2470.2	2399.6	2310.3	2252.7	2226.7	2169.1	2157.9	2048.3	1869.8
30°	2780.6	2795.5	2749.0	2652.3	2488.8	2366.1	2315.9	2250.9	2241.6	2117.0	1914.4
32.5°	3094.7	3096.6	3050.1	2916.3	2704.4	2509.2	2423.7	2343.8	2336.4	2197.0	1973.9
35°	3276.9	3284.3	3263.8	3139.3	2897.7	2667.2	2553.8	2457.2	2451.6	2297.3	2048.3
37.5°	3466.4	3483.2	3451.6	3314.0	3044.5	2814.0	2698.8	2592.9	2587.3	2412.6	2141.2
40°	3747.1	3739.7	3706.2	3503.6	3182.1	2936.7	2841.9	2758.3	2745.3	2553.8	2236.0
42.5°	3949.7	3968.3	3895.8	3667.2	3332.6	3059.4	2985.0	2890.3	2873.5	2639.3	2291.8
45°	4018.5	4001.7	3921.8	3754.5	3529.6	3170.9	3120.7	3048.2	3031.5	2789.9	2401.4
47.5°	4033.3	4003.6	3933.0	3806.6	3696.9	3315.9	3286.2	3269.4	3245.3	2979.5	2533.4
50°	3942.3	3921.8	3888.4	3825.2	3804.7	3451.6	3466.4	3527.8	3507.3	3183.9	2680.2
52.5°	3736.0	3726.7	3756.4	3797.3	3743.4	3568.7	3680.2	3804.7	3797.3	3408.8	2838.2
55°	3347.5	3347.5	3514.8	3657.9	3689.5	3644.9	3910.7	4124.4	4115.1	3661.6	2988.8
57.5°	2992.5	2998.1	3137.5	3459.0	3592.8	3726.7	4167.2	4459.0	4444.1	3946.0	3146.7
60°	2544.5	2544.5	2756.4	3159.8	3453.4	3789.9	4393.9	4782.4	4791.7	4221.1	3302.9
62.5°	2014.8	2020.4	2314.1	2788.0	3252.7	3801.0	4574.2	5087.2	5085.4	4470.1	3423.7
65°	1485.1	1486.9	1886.6	2375.4	2951.6	3722.9	4672.7	5321.4	5332.6	4667.2	3494.3
67.5°	964.7	983.2	1388.4	1927.5	2525.9	3501.8	4620.7	5445.9	5458.9	4758.2	3472.0
68°	903.3	907.0	1314.1	1804.8	2410.7	3446.0	4596.5	5451.5	5462.7	4756.4	3449.7
70°	585.5	585.5	940.5	1408.9	1923.7	3098.4	4386.5	5364.2	5377.2	4674.6	3288.0
72.5°	316.0	321.6	537.2	853.1	1314.1	2397.7	3959.0	4908.8	4931.1	4226.6	2875.4
75°	221.2	224.9	312.3	477.7	715.6	1561.3	3094.7	3750.8	3747.1	2920.0	1801.1
77.5°	159.8	159.8	178.4	297.4	375.5	713.7	1531.6	1806.6	1786.2	1425.6	908.9
80°	104.1	104.1	111.5	156.1	180.3	217.5	468.4	782.5	797.4	695.1	453.5
82.5°	42.7	44.6	48.3	63.2	65.1	91.1	133.8	224.9	217.5	176.6	128.2
85°	5.6	5.6	7.4	9.3	11.2	20.4	18.6	18.6	18.6	22.3	20.4
87.5°	0.0	0.0	0.0	0.0	0.0	1.9	3.7	5.6	5.6	7.4	5.6
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

REPORT NUMBER: P1211868

CATALOG NUMBER: GKO-PB2D-840-U-T3

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1605.9	1605.9	1605.9	1605.9	1605.9	1605.9	1605.9	1605.9	1605.9	1605.9	1605.9
2.5°	1605.9	1605.9	1594.7	1583.6	1572.4	1563.2	1550.1	1540.8	1542.7	1548.3	1546.4
5°	1615.2	1605.9	1583.6	1559.4	1540.8	1524.1	1500.0	1486.9	1485.1	1488.8	1486.9
7.5°	1620.8	1605.9	1572.4	1535.3	1505.5	1483.2	1449.8	1436.8	1431.2	1433.0	1433.0
10°	1631.9	1607.8	1561.3	1509.2	1472.1	1440.5	1405.2	1386.6	1381.0	1381.0	1379.1
12.5°	1644.9	1611.5	1550.1	1486.9	1438.6	1401.4	1360.6	1340.1	1334.5	1334.5	1332.7
15°	1657.9	1617.1	1539.0	1462.8	1407.0	1362.4	1323.4	1299.2	1291.8	1291.8	1295.5
17.5°	1674.7	1622.6	1527.8	1440.5	1373.6	1323.4	1282.5	1258.3	1249.0	1254.6	1258.3
20°	1691.4	1633.8	1516.7	1416.3	1340.1	1288.1	1247.2	1223.0	1213.7	1223.0	1224.9
22.5°	1715.6	1643.1	1503.7	1388.4	1306.7	1249.0	1211.9	1189.6	1184.0	1193.3	1200.7
25°	1739.7	1654.2	1486.9	1358.7	1263.9	1208.1	1178.4	1161.7	1163.5	1176.5	1184.0
27.5°	1765.7	1663.5	1470.2	1321.5	1217.4	1165.4	1143.1	1139.4	1146.8	1161.7	1171.0
30°	1797.3	1676.5	1447.9	1278.8	1165.4	1118.9	1109.6	1120.8	1133.8	1148.7	1158.0
32.5°	1838.2	1693.3	1425.6	1230.4	1111.5	1068.7	1083.6	1107.8	1122.6	1137.5	1146.8
35°	1895.9	1726.7	1412.6	1182.1	1053.9	1026.0	1059.4	1098.5	1109.6	1118.9	1130.1
37.5°	1962.8	1771.3	1407.0	1137.5	1001.8	988.8	1035.3	1081.8	1085.5	1089.2	1100.3
40°	2027.8	1804.8	1392.2	1089.2	947.9	947.9	1005.5	1050.2	1048.3	1042.7	1050.2
42.5°	2053.8	1801.1	1349.4	1042.7	905.2	907.0	959.1	1001.8	990.7	990.7	1001.8
45°	2128.2	1830.8	1317.8	1005.5	866.1	858.7	899.6	933.1	951.6	975.8	987.0
47.5°	2223.0	1871.7	1293.6	962.8	829.0	804.8	827.1	882.9	914.5	940.5	949.8
50°	2321.5	1918.2	1271.3	918.2	791.8	743.5	754.6	816.0	843.8	856.9	862.4
52.5°	2421.9	1960.9	1254.6	881.0	749.0	671.0	695.1	752.8	773.2	780.6	784.4
55°	2511.1	1996.2	1239.7	849.4	700.7	613.4	632.0	691.4	706.3	713.7	719.3
57.5°	2605.9	2035.3	1230.4	819.7	646.8	563.2	576.2	630.1	650.5	658.0	663.5
60°	2689.5	2072.4	1223.0	788.1	596.6	518.6	526.0	578.1	600.4	604.1	609.6
62.5°	2745.3	2096.6	1211.9	749.0	550.2	475.8	477.7	527.9	552.0	555.7	559.5
65°	2760.1	2091.0	1178.4	697.0	503.7	433.1	433.1	481.4	507.4	520.4	526.0
67.5°	2715.5	2044.6	1107.8	630.1	459.1	394.0	394.0	436.8	464.7	479.5	485.1
68°	2700.7	2024.1	1085.5	613.4	447.9	384.7	384.7	429.4	455.4	468.4	472.1
70°	2574.3	1923.7	983.2	550.2	412.6	356.9	356.9	395.9	423.8	423.8	421.9
72.5°	2236.0	1667.2	808.5	461.0	360.6	316.0	321.6	358.7	368.0	377.3	375.5
75°	1384.7	998.1	542.7	364.3	303.0	276.9	288.1	321.6	327.1	347.6	342.0
77.5°	693.3	488.8	288.1	211.9	234.2	237.9	258.4	282.5	299.2	321.6	306.7
80°	342.0	237.9	169.1	132.0	137.5	174.7	224.9	243.5	273.2	288.1	275.1
82.5°	94.8	72.5	68.8	72.5	102.2	135.7	176.6	215.6	254.6	267.7	249.1
85°	16.7	13.0	11.2	35.3	70.6	100.4	143.1	191.4	228.6	219.3	206.3
87.5°	5.6	3.7	3.7	22.3	52.0	81.8	122.7	171.0	195.2	176.6	158.0
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: 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*

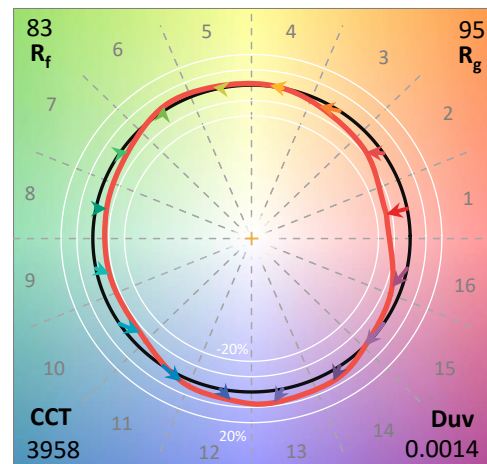
Test Information

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

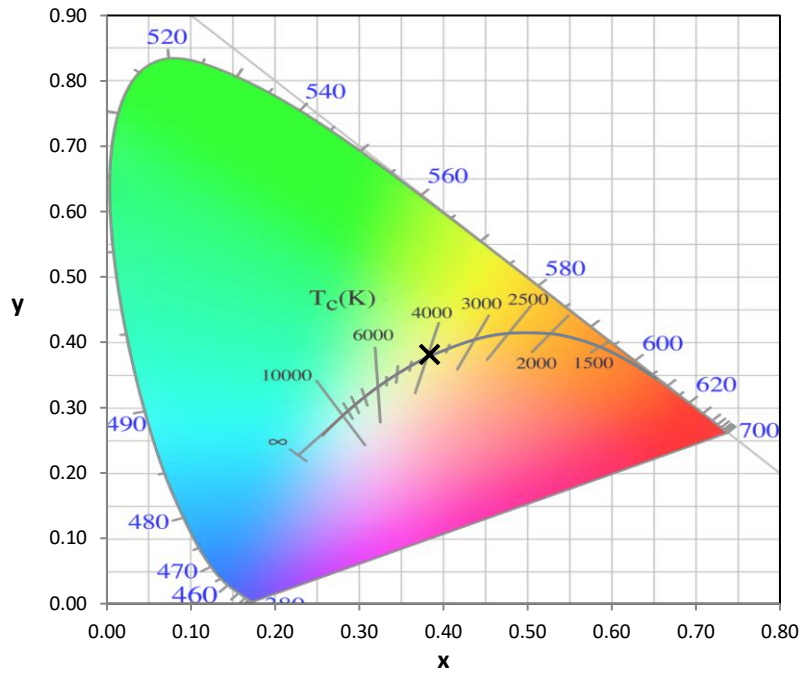
Stabilization Time: 20M
 Operation Time: 1H 20M
 Sphere Temperature (°C): 25.0

REPORT NUMBER: SP3-2511-595-3

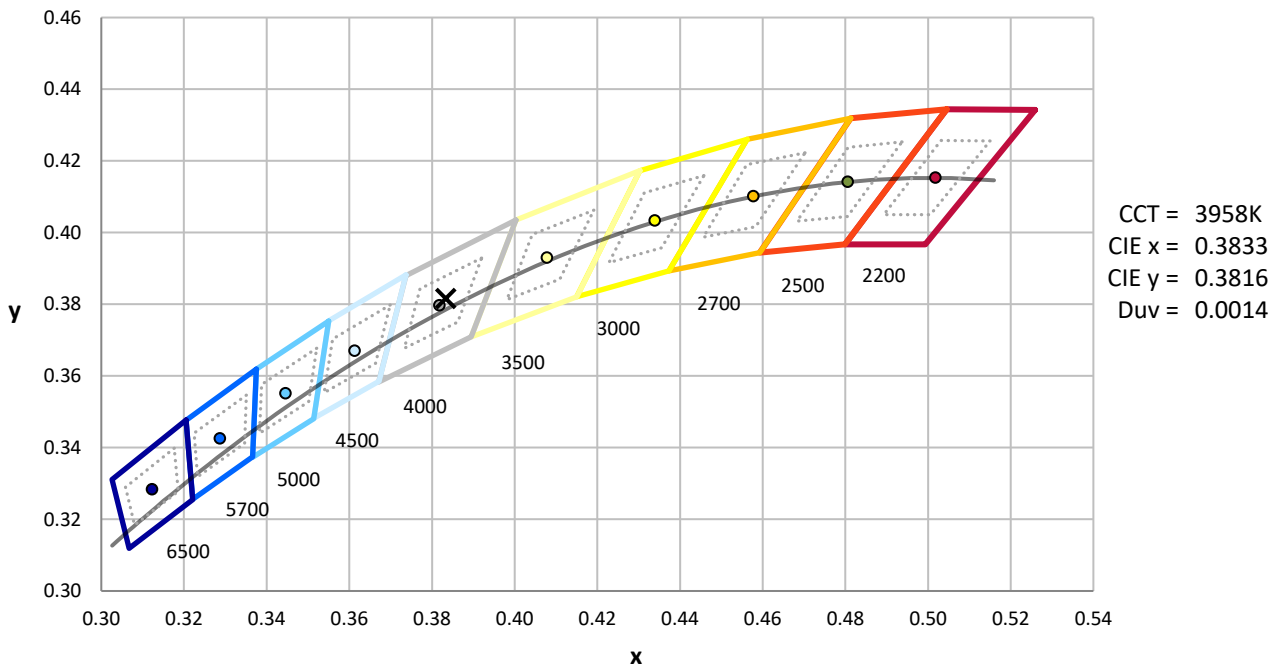
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	3M SPHERE IN02505	7/1/2025	1/1/2026
Power Meter	XITRON INXT2011006	10/21/2025	10/21/2026
AC Power Source	CHROMA 61604 IN6064A	10/20/2025	10/20/2026
DC Power Source	EYSIGHT N5770A IN0534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

REPORT NUMBER: SP3-2511-595-3

CIE 1931 Chromaticity Diagram



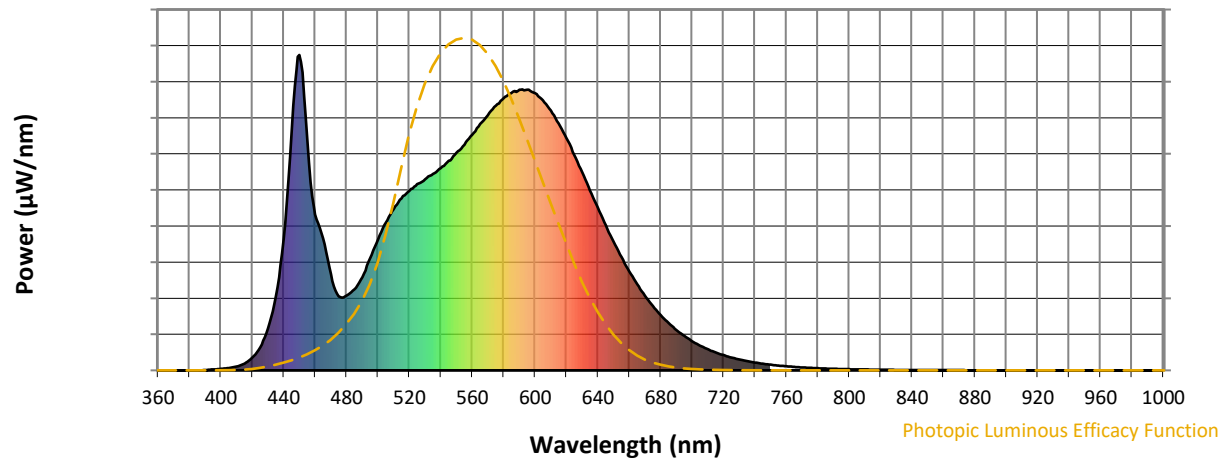
CIE 1931 Chromaticity Diagram with 2017 ANSI 7-Step and 4-Step Quadrangles



Point lies inside the ANSI 4000K 4-step quadrangle

REPORT NUMBER: SP3-2511-595-3

Photopic Flux vs. Wavelength

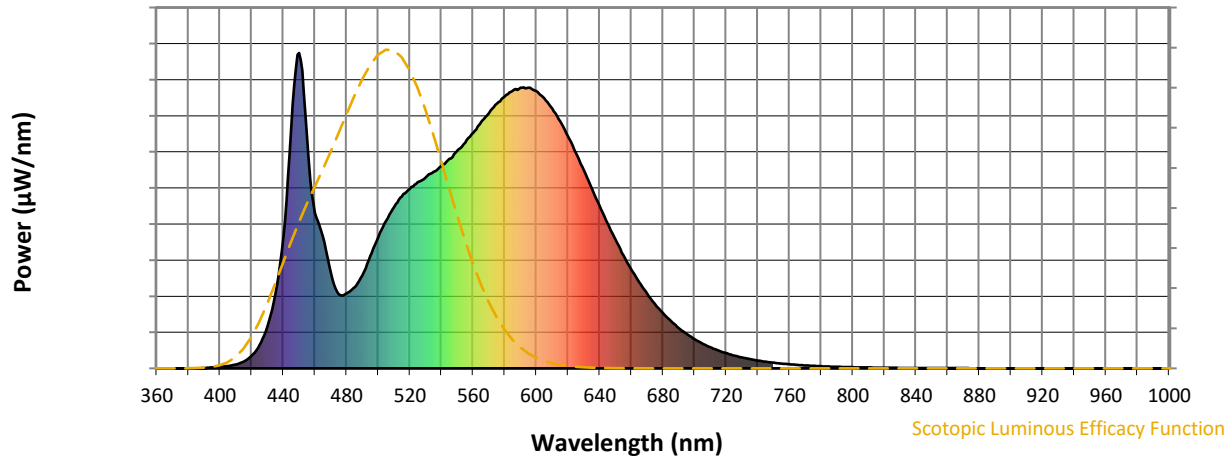


Photopic Lumens: NR

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			

REPORT NUMBER: SP3-2511-595-3

Scotopic Flux vs. Wavelength



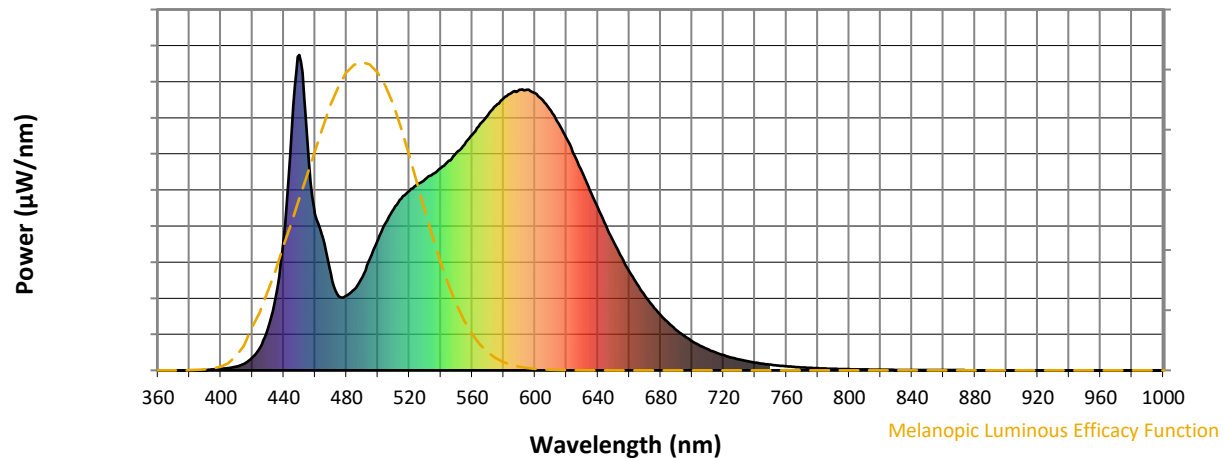
Scotopic Lumens: NR

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			

REPORT NUMBER: SP3-2511-595-3

Melanopic Flux vs. Wavelength


Melanopic Lumens: NR
M/P: 3.36

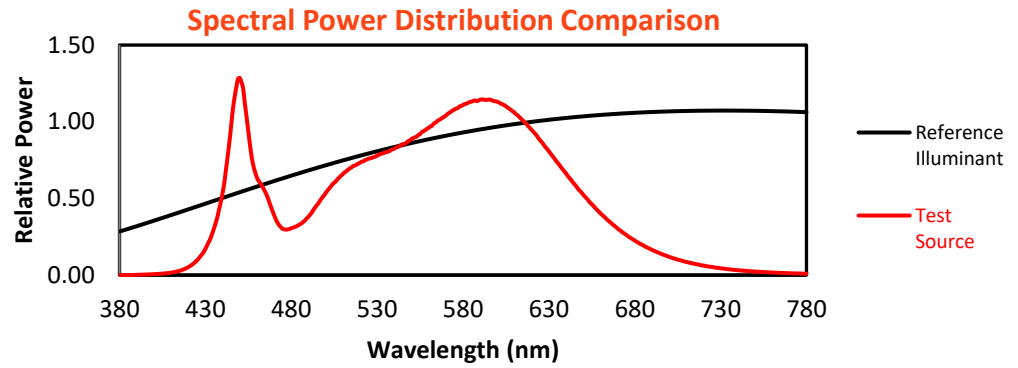
λ (nm)	Power $\text{W}^\wedge/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^\wedge/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^\wedge/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^\wedge/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^\wedge/\text{nm}$	Lumens (ϕ/nm)
360	0	NR	490	296	NR	620	736	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			

REPORT NUMBER: SP3-2511-595-3

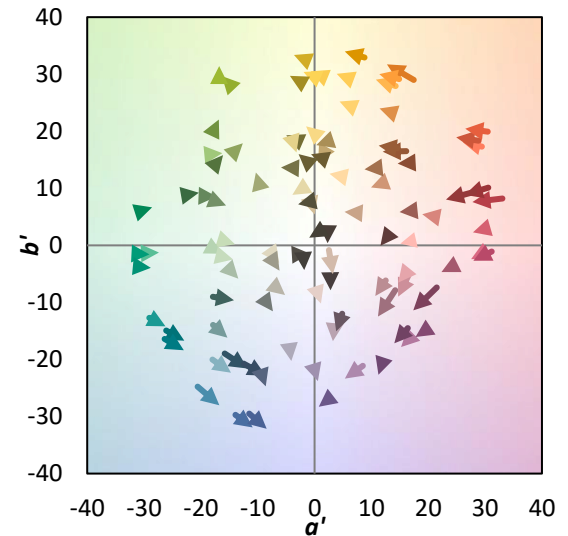
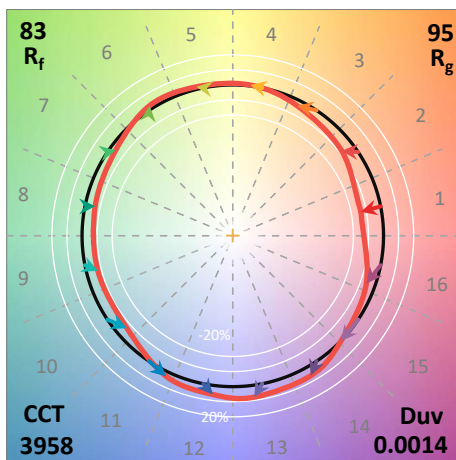
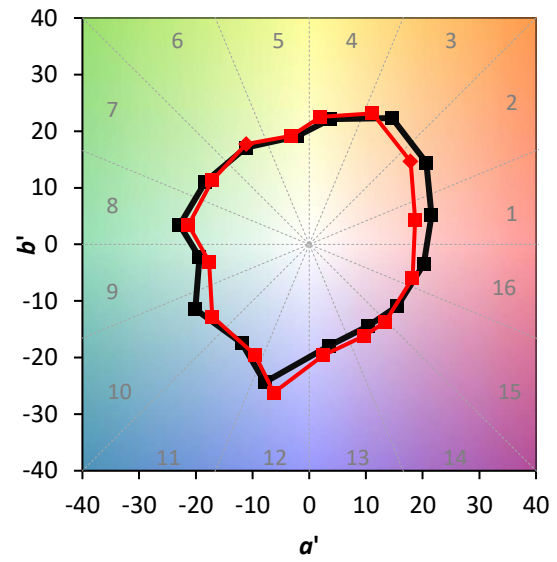
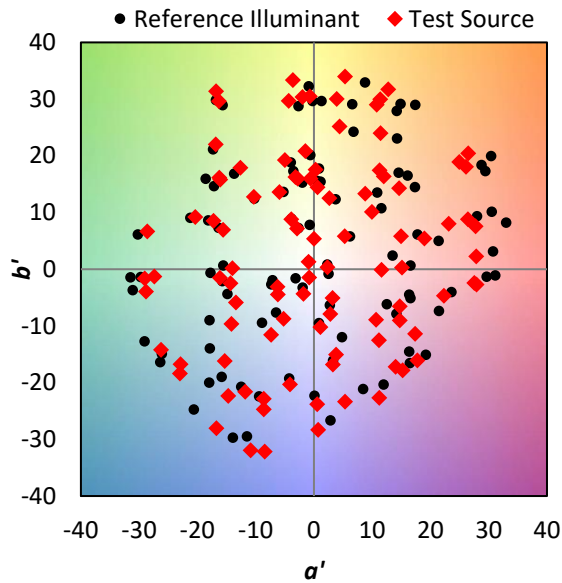
TM-30-18

Summary

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

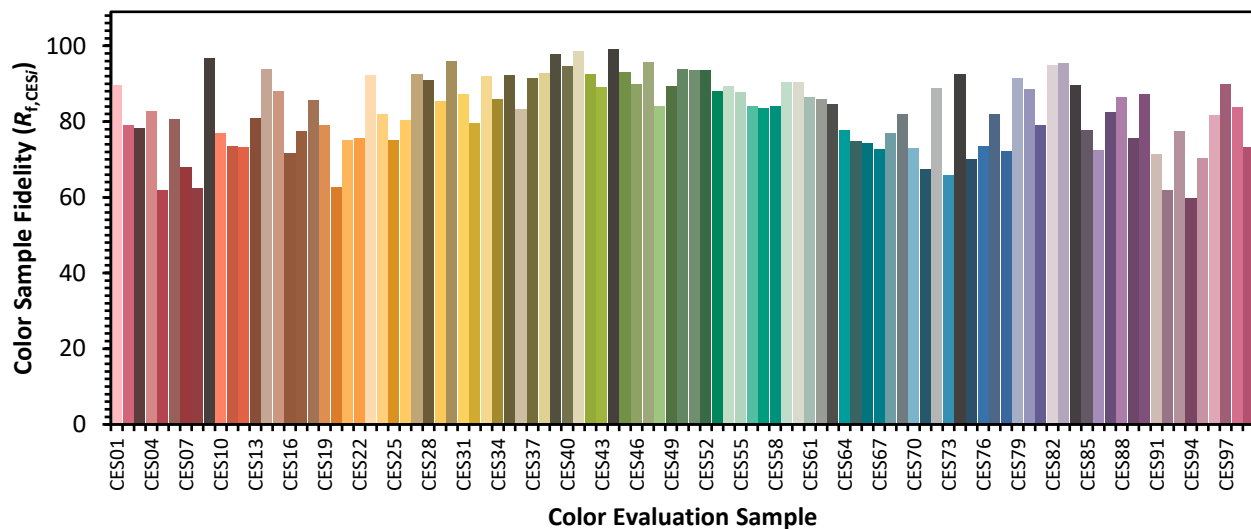


Color Vector Graphics

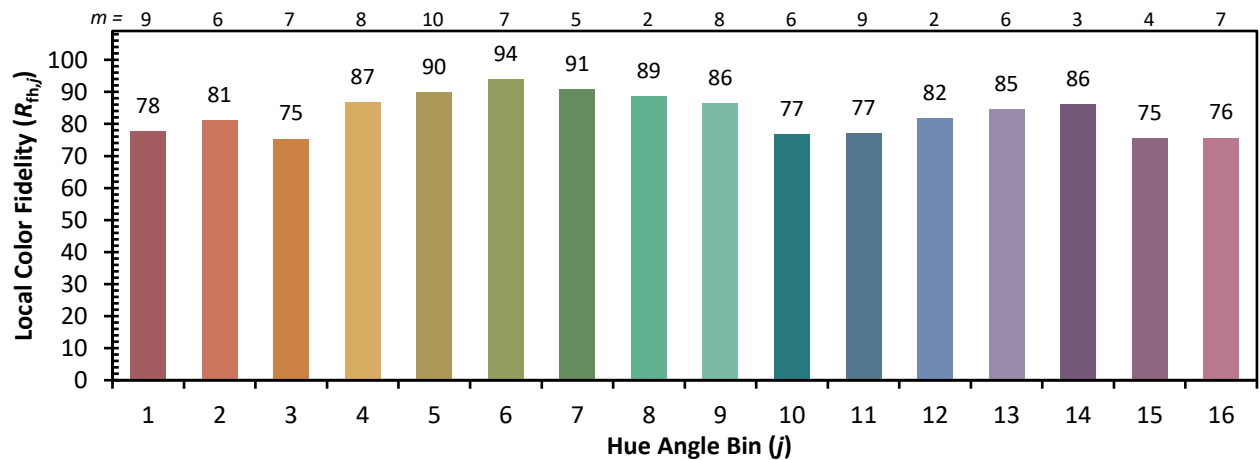
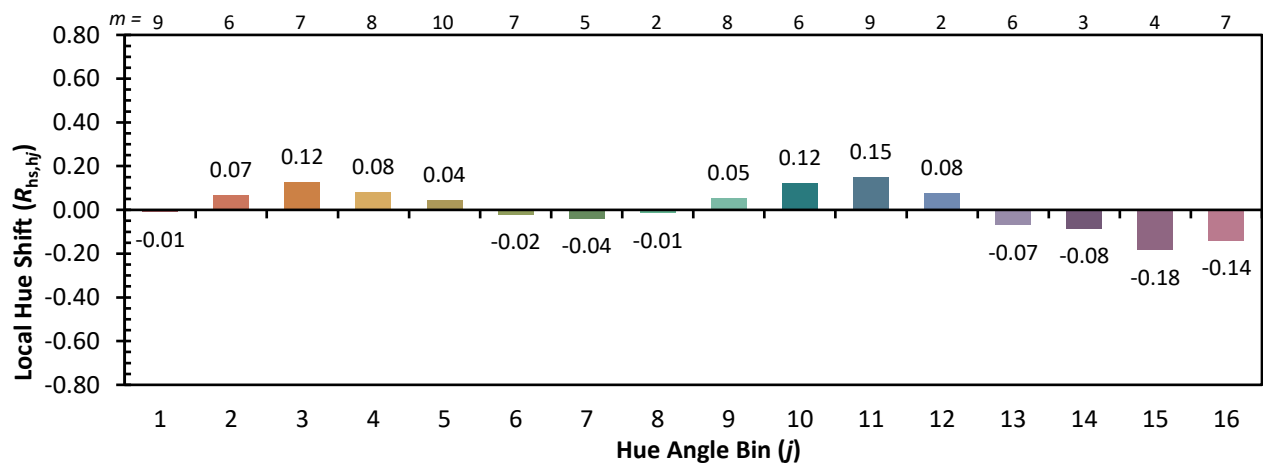
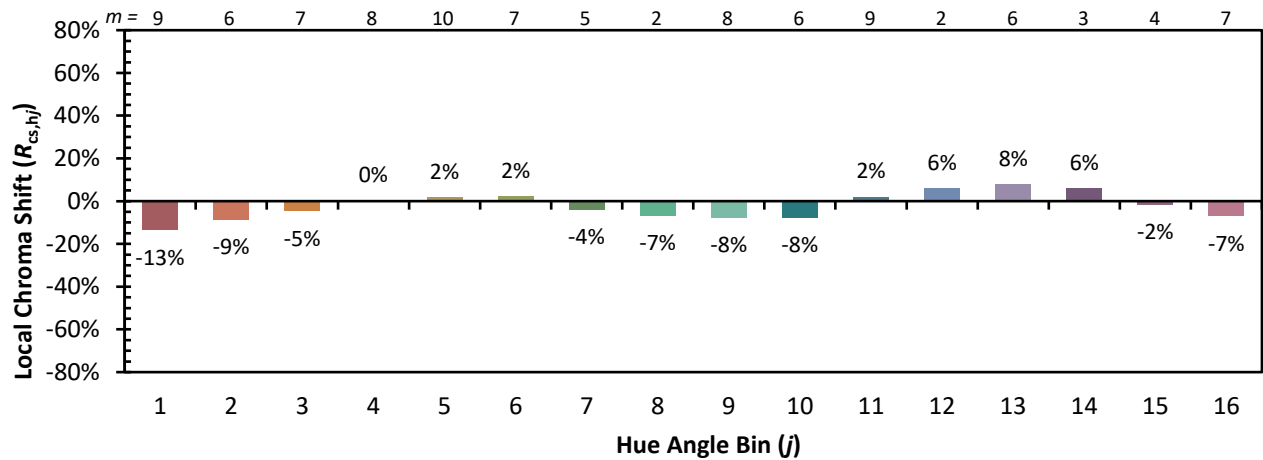


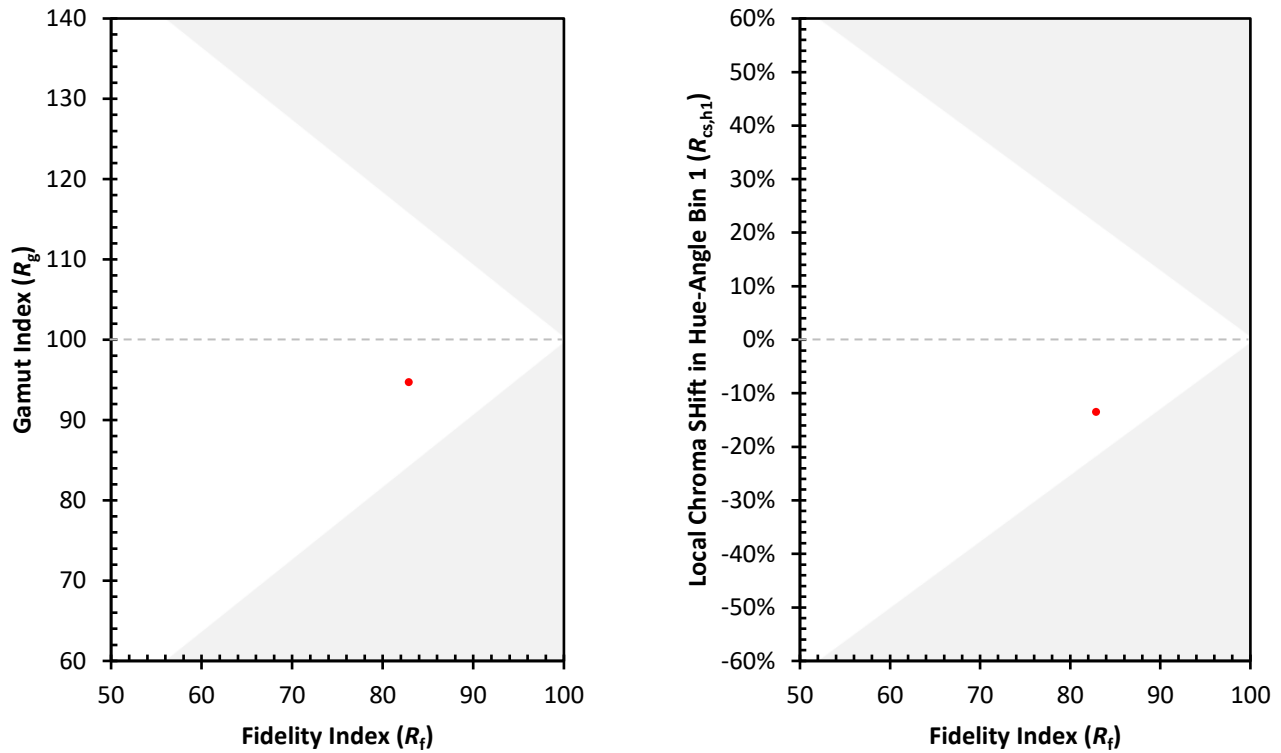
Individual Sample Fidelity Index ($R_{f,i}$)

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)