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: P972248

Luminaire Tested: **GKO-PB2D-722-U-T3**

Issue Date: 02/27/2025

Report Generated By 670245763

Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

Scaled Data Report

Test Information

Test Method:	LM-79-08
Report Number:	P972248
Test Lab:	INNOVATION CENTER(G1)
Issue Date:	02/27/2025
Manufacturer:	COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line:	McGRAW-EDISON
Catalog Number:	GKO-PB2D-722-U-T3
Description:	GEKKO WALL PACK 10000LM PACKAGE 70CRI 2200K FIXTURE w/ TYPE III DISTRIBUTION OPTIC
Light Source:	(20) 2200K CCT, 70 CRI LEDS
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	8600.7 lumens
Efficiency:	N/A
Efficacy:	112.9 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

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REPORT NUMBER: P972248
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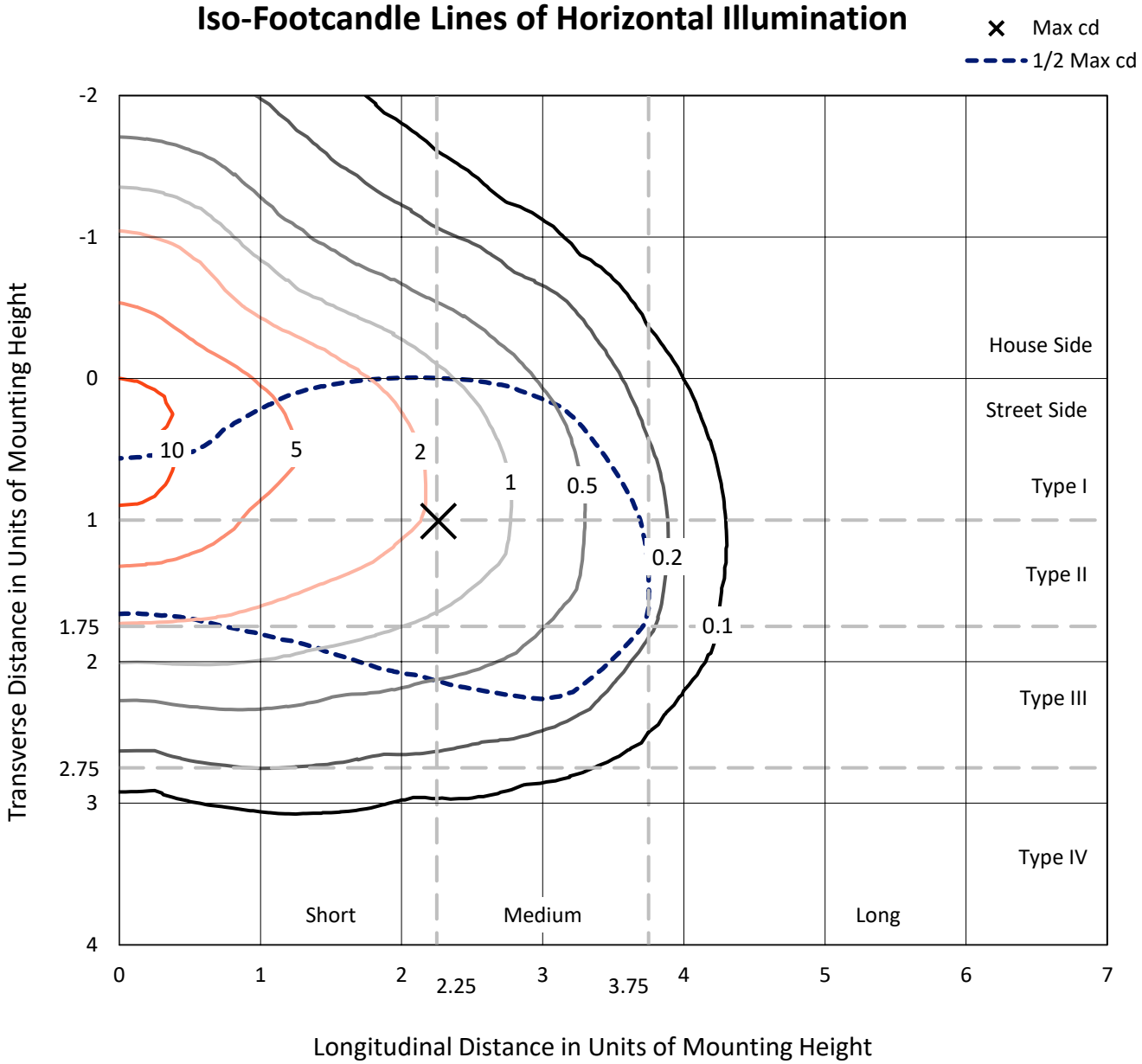
Iso-Footcandle Lines of Horizontal Illumination



Based on 12 foot mounting height. Maximum calculated value = 11.5 fc
Type III - Medium - N/A

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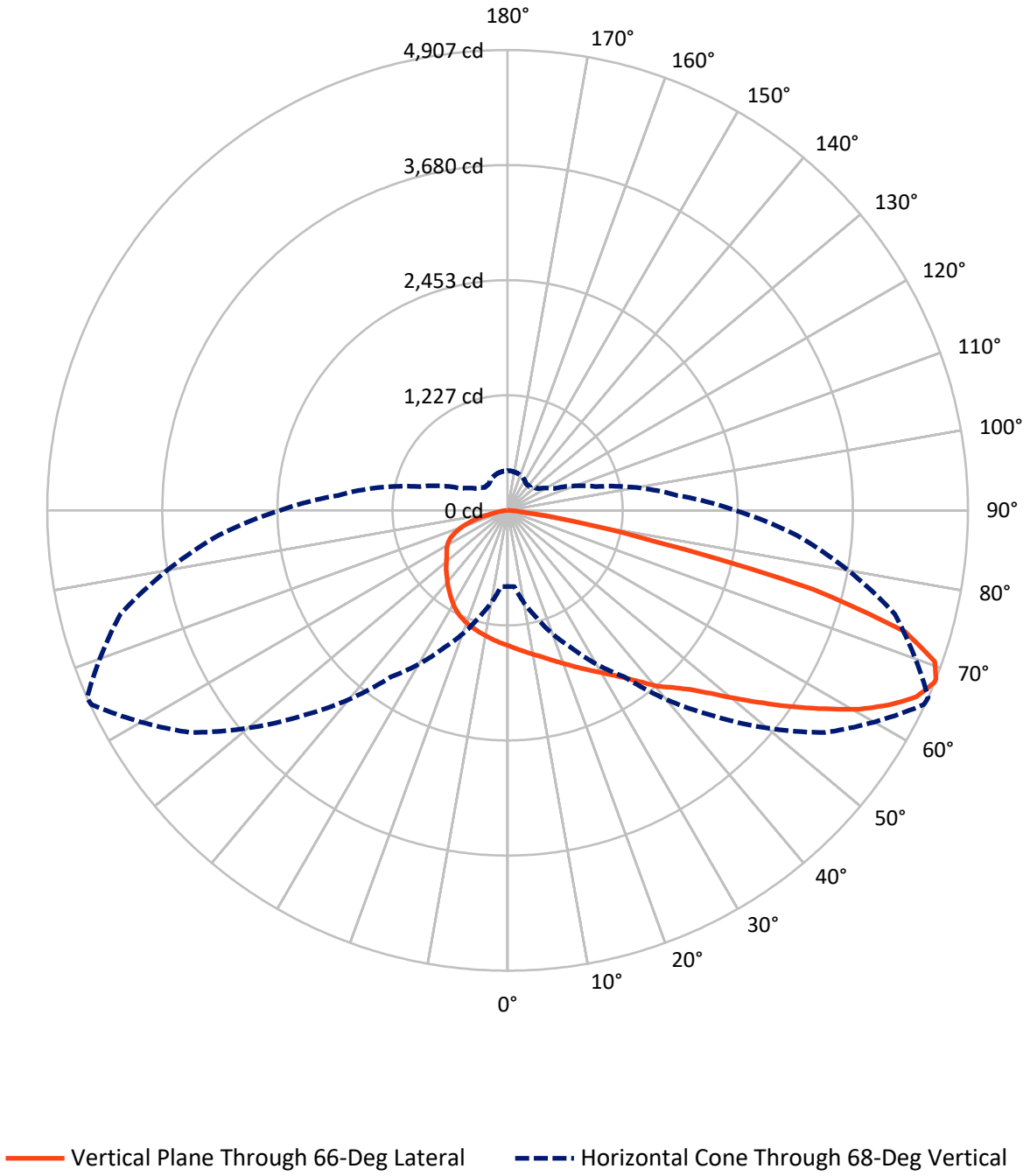
Luminous Intensity Polar Plot



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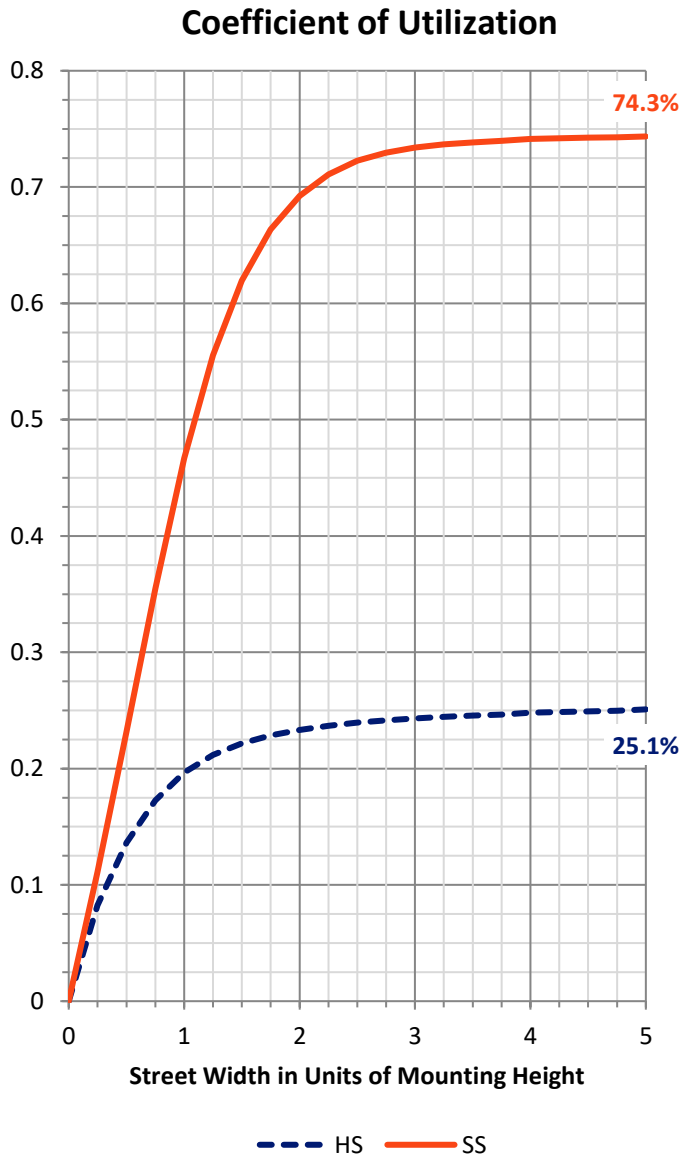
CATALOG NUMBER: GKO-PB2D-722-U-T3

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2201.9	0.0	2201.9
	% Fixture	25.6	0.0	25.6
Street Side	Lumens	6398.8	0.0	6398.8
	% Fixture	74.4	0.0	74.4
Total	Lumens	8600.7	0.0	8600.7
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	138.4	1.6
10°-20°	416.0	4.8
20°-30°	716.8	8.3
30°-40°	1111.9	12.9
40°-50°	1523.3	17.7
50°-60°	1817.1	21.1
60°-70°	1820.8	21.2
70°-80°	963.5	11.2
80°-90°	93.0	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°	8600.7	100.0
0°-180°	8600.7	100.0



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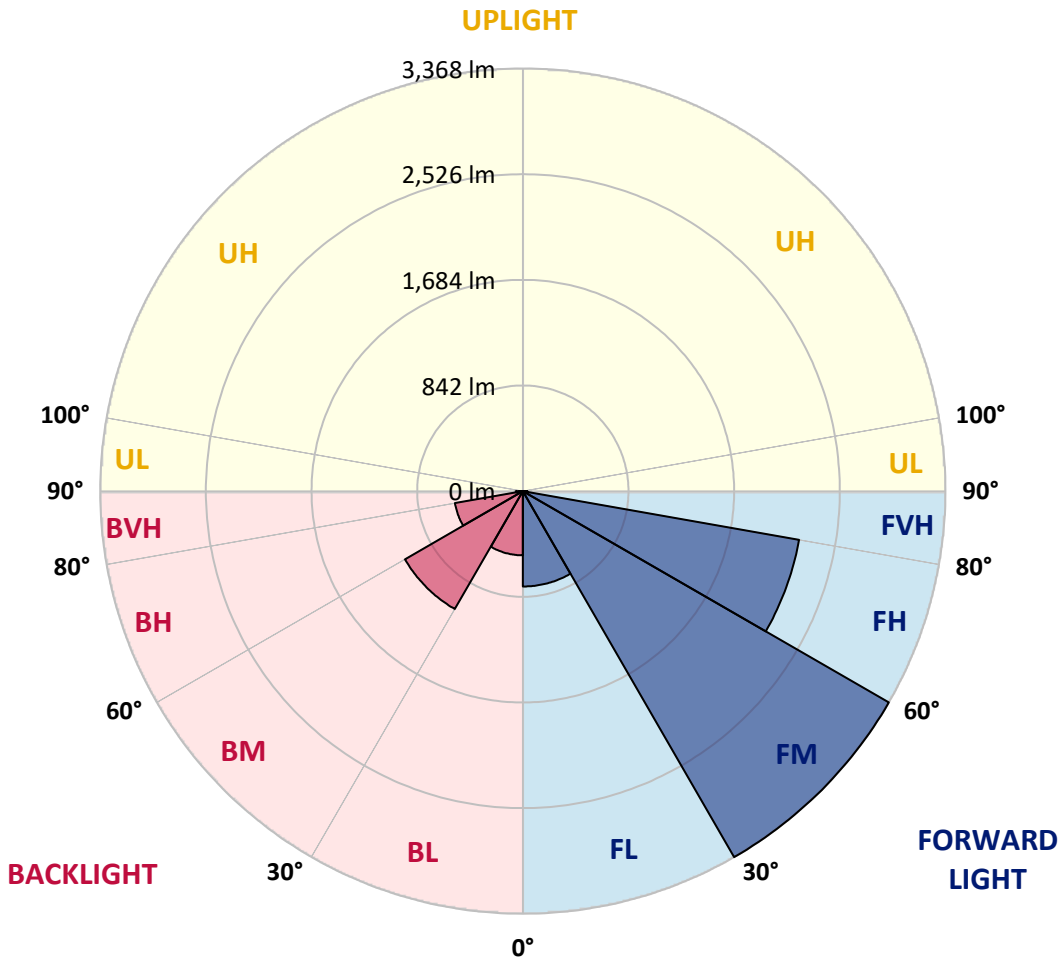
LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	759.7	8.8			
FM	(30°-60°)	3367.6	39.2			
FH	(60°-80°)	2234.9	26.0			G2/5000
FVH	(80°-90°)	36.5	0.4			G1/100
BL	(0°-30°)	511.4	5.9	B2/1000		
BM	(30°-60°)	1084.7	12.6	B2/2500		
BH	(60°-80°)	549.4	6.4	B2/1000		G2/1000
BVH	(80°-90°)	56.4	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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REPORT NUMBER: P972248
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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	66°	75°	85°
0°	1442.5	1442.5	1442.5	1442.5	1442.5	1442.5	1442.5	1442.5	*1442.5*	1442.5	1442.5
2.5°	1502.6	1502.6	1499.3	1497.6	1496.0	1485.9	1479.3	1470.9	*1470.9*	1457.6	1445.9
5°	1554.4	1556.1	1549.4	1549.4	1542.7	1529.3	1516.0	1499.3	*1499.3*	1479.3	1455.9
7.5°	1599.5	1604.5	1597.8	1597.8	1591.1	1576.1	1554.4	1531.0	*1531.0*	1502.6	1469.2
10°	1642.9	1646.2	1642.9	1646.2	1636.2	1622.8	1597.8	1566.1	*1564.4*	1529.3	1482.6
12.5°	1677.9	1681.3	1683.0	1688.0	1679.6	1669.6	1646.2	1606.2	*1601.1*	1559.4	1499.3
15°	1711.3	1714.7	1719.7	1726.4	1724.7	1716.3	1694.6	1649.6	*1646.2*	1592.8	1521.0
17.5°	1738.0	1739.7	1749.7	1763.1	1766.4	1768.1	1744.7	1698.0	*1694.6*	1631.2	1544.4
20°	1776.4	1779.8	1789.8	1803.2	1813.2	1819.9	1801.5	1749.7	*1746.4*	1676.3	1574.4
22.5°	1863.3	1858.3	1863.3	1863.3	1868.3	1878.3	1864.9	1813.2	*1806.5*	1729.7	1611.2
25°	2026.9	2021.9	2008.5	1978.5	1945.1	1943.4	1928.4	1878.3	*1869.9*	1784.8	1646.2
27.5°	2255.6	2243.9	2218.9	2155.4	2075.3	2023.5	2000.2	1948.4	*1938.4*	1839.9	1679.6
30°	2497.7	2511.1	2469.3	2382.5	2235.6	2125.4	2080.3	2021.9	*2013.5*	1901.7	1719.7
32.5°	2779.9	2781.5	2739.8	2619.6	2429.3	2254.0	2177.2	2105.4	*2098.7*	1973.5	1773.1
35°	2943.5	2950.2	2931.8	2819.9	2602.9	2395.9	2294.0	2207.2	*2202.2*	2063.6	1839.9
37.5°	3113.8	3128.8	3100.4	2976.9	2734.8	2527.8	2424.3	2329.1	*2324.1*	2167.1	1923.4
40°	3365.9	3359.2	3329.2	3147.2	2858.3	2638.0	2552.8	2477.7	*2466.0*	2294.0	2008.5
42.5°	3547.9	3564.6	3499.5	3294.1	2993.6	2748.2	2681.4	2596.2	*2581.2*	2370.8	2058.6
45°	3609.7	3594.6	3522.8	3372.6	3170.6	2848.3	2803.3	2738.1	*2723.1*	2506.1	2157.1
47.5°	3623.0	3596.3	3532.9	3419.3	3320.8	2978.6	2951.8	2936.8	*2915.1*	2676.4	2275.7
50°	3541.2	3522.8	3492.8	3436.0	3417.7	3100.4	3113.8	3168.9	*3150.5*	2860.0	2407.6
52.5°	3355.9	3347.5	3374.3	3411.0	3362.6	3205.6	3305.8	3417.7	*3411.0*	3062.0	2549.5
55°	3006.9	3006.9	3157.2	3285.8	3314.1	3274.1	3512.8	3704.8	*3696.5*	3289.1	2684.7
57.5°	2688.0	2693.1	2818.3	3107.1	3227.3	3347.5	3743.2	4005.4	*3992.0*	3544.6	2826.6
60°	2285.7	2285.7	2476.0	2838.3	3102.1	3404.3	3946.9	4295.9	*4304.2*	3791.7	2966.9
62.5°	1809.8	1814.9	2078.6	2504.4	2921.8	3414.3	4108.9	4569.7	*4568.0*	4015.4	3075.4
65°	1334.0	1335.7	1694.6	2133.7	2651.3	3344.2	4197.4	4780.1	*4790.1*	4192.4	3138.8
67.5°	866.5	883.2	1247.2	1731.4	2269.0	3145.5	4150.6	4891.9	*4903.6*	4274.2	3118.8
68°	*811.4*	*814.8*	*1180.4*	*1621.2*	*2165.5*	*3095.4*	*4128.9*	*4896.9*	*4906.9*	*4272.5*	*3098.8*
70°	525.9	525.9	844.8	1265.6	1728.0	2783.2	3940.2	4818.5	*4830.1*	4199.0	2953.5
72.5°	283.8	288.8	482.5	766.3	1180.4	2153.8	3556.2	4409.4	*4429.4*	3796.7	2582.9
75°	198.7	202.0	280.5	429.1	642.8	1402.5	2779.9	3369.2	*3365.9*	2622.9	1617.8
77.5°	143.6	143.6	160.3	267.1	337.3	641.1	1375.7	1622.8	*1604.5*	1280.6	816.4
80°	93.5	93.5	100.2	140.2	162.0	195.3	420.7	702.9	*716.3*	624.4	407.4
82.5°	38.4	40.1	43.4	56.8	58.4	81.8	120.2	202.0	*195.3*	158.6	115.2
85°	5.0	5.0	6.7	8.3	10.0	18.4	16.7	16.7	*16.7*	20.0	18.4
87.5°	0.0	0.0	0.0	0.0	0.0	1.7	3.3	5.0	*5.0*	6.7	5.0
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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REPORT NUMBER: P972248
CATALOG NUMBER: GKO-PB2D-722-U-T3

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1442.5	1442.5	1442.5	1442.5	1442.5	1442.5	1442.5	1442.5	1442.5	1442.5	1442.5
2.5°	1442.5	1442.5	1432.5	1422.5	1412.5	1404.1	1392.4	1384.1	1385.8	1390.8	1389.1
5°	1450.9	1442.5	1422.5	1400.8	1384.1	1369.1	1347.4	1335.7	1334.0	1337.3	1335.7
7.5°	1455.9	1442.5	1412.5	1379.1	1352.4	1332.3	1302.3	1290.6	1285.6	1287.3	1287.3
10°	1465.9	1444.2	1402.5	1355.7	1322.3	1293.9	1262.2	1245.5	1240.5	1240.5	1238.8
12.5°	1477.6	1447.5	1392.4	1335.7	1292.3	1258.9	1222.1	1203.8	1198.8	1198.8	1197.1
15°	1489.3	1452.5	1382.4	1314.0	1263.9	1223.8	1188.8	1167.0	1160.4	1160.4	1163.7
17.5°	1504.3	1457.6	1372.4	1293.9	1233.8	1188.8	1152.0	1130.3	1122.0	1127.0	1130.3
20°	1519.3	1467.6	1362.4	1272.2	1203.8	1157.0	1120.3	1098.6	1090.2	1098.6	1100.3
22.5°	1541.0	1475.9	1350.7	1247.2	1173.7	1122.0	1088.6	1068.5	1063.5	1071.9	1078.6
25°	1562.7	1485.9	1335.7	1220.5	1135.3	1085.2	1058.5	1043.5	1045.2	1056.9	1063.5
27.5°	1586.1	1494.3	1320.7	1187.1	1093.6	1046.8	1026.8	1023.5	1030.1	1043.5	1051.8
30°	1614.5	1506.0	1300.6	1148.7	1046.8	1005.1	996.7	1006.8	1018.5	1031.8	1040.2
32.5°	1651.2	1521.0	1280.6	1105.3	998.4	960.0	973.4	995.1	1008.4	1021.8	1030.1
35°	1703.0	1551.1	1268.9	1061.9	946.7	921.6	951.7	986.7	996.7	1005.1	1015.1
37.5°	1763.1	1591.1	1263.9	1021.8	899.9	888.2	930.0	971.7	975.0	978.4	988.4
40°	1821.5	1621.2	1250.5	978.4	851.5	851.5	903.3	943.3	941.7	936.6	943.3
42.5°	1844.9	1617.8	1212.1	936.6	813.1	814.8	861.5	899.9	889.9	889.9	899.9
45°	1911.7	1644.6	1183.7	903.3	778.0	771.4	808.1	838.1	854.8	876.5	886.6
47.5°	1996.8	1681.3	1162.0	864.9	744.6	722.9	743.0	793.1	821.4	844.8	853.2
50°	2085.3	1723.0	1142.0	824.8	711.2	667.8	677.9	733.0	758.0	769.7	774.7
52.5°	2175.5	1761.4	1127.0	791.4	672.8	602.7	624.4	676.2	694.6	701.2	704.6
55°	2255.6	1793.1	1113.6	763.0	629.4	551.0	567.7	621.1	634.4	641.1	646.1
57.5°	2340.8	1828.2	1105.3	736.3	581.0	505.9	517.6	566.0	584.4	591.0	596.0
60°	2415.9	1861.6	1098.6	707.9	535.9	465.8	472.5	519.2	539.3	542.6	547.6
62.5°	2466.0	1883.3	1088.6	672.8	494.2	427.4	429.1	474.2	495.9	499.2	502.5
65°	2479.3	1878.3	1058.5	626.1	452.5	389.0	389.0	432.4	455.8	467.5	472.5
67.5°	2439.3	1836.6	995.1	566.0	412.4	354.0	354.0	392.4	417.4	430.8	435.8
68°	*2425.9*	*1818.2*	*975.0*	*551.0*	*402.4*	*345.6*	*345.6*	*385.7*	*409.1*	*420.7*	*424.1*
70°	2312.4	1728.0	883.2	494.2	370.7	320.6	320.6	355.6	380.7	380.7	379.0
72.5°	2008.5	1497.6	726.3	414.1	323.9	283.8	288.8	322.2	330.6	338.9	337.3
75°	1243.8	896.6	487.5	327.2	272.1	248.8	258.8	288.8	293.8	312.2	307.2
77.5°	622.8	439.1	258.8	190.3	210.4	213.7	232.1	253.8	268.8	288.8	275.5
80°	307.2	213.7	151.9	118.5	123.6	156.9	202.0	218.7	245.4	258.8	247.1
82.5°	85.1	65.1	61.8	65.1	91.8	121.9	158.6	193.7	228.7	240.4	223.7
85°	15.0	11.7	10.0	31.7	63.4	90.2	128.6	172.0	205.4	197.0	185.3
87.5°	5.0	3.3	3.3	20.0	46.7	73.5	110.2	153.6	175.3	158.6	141.9
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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LM-79-2019: Approved Method: Electrical and Photometric Measurements of Solid-State Lighting Products

Report Prepared for

Cooper Lighting Solutions

McGraw-Edison

Report Number: SP2-2501-321-2

Test Date: 04/09/2025

Luminaire Tested: GKO-PB1E-722-U-T4W

Data in this report applies to families of products including GKO-PB1E-722-U-T4W

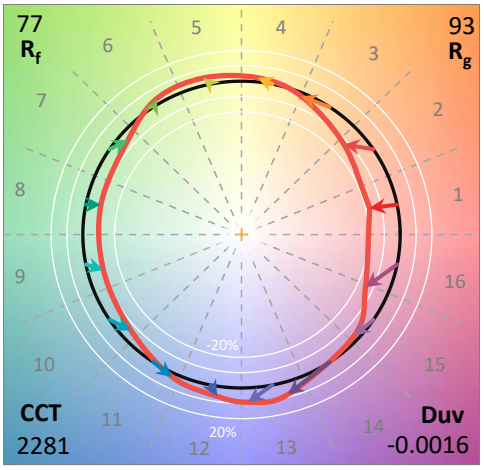
Report Generated By FNC07603 / LDUCLS01DT447
Version: v7.04

Test Information

Test Method:	LM-79-2019
Report Number:	SP2-2501-321-2
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-722-U-T4W**
Description:	Gekko Wedge Wall Pack Fixture 1 SQ w/ T4W distribution

Spectral Parameters

CCT (K):	2281	CRI (Ra):	70.6		
CIE u':	0.2851	R1:	68.4	R9:	-35.1
CIE v':	0.5324	R2:	88.7	R10:	78.0
Duv:	-0.0016	R3:	85.7	R11:	60.2
CIE x:	0.4942	R4:	63.2	R12:	73.8
CIE y:	0.4102	R5:	69.0	R13:	72.8
CIE z:	0.0956	R6:	88.6	R14:	92.4
Peak Wavelength (nm):	602	R7:	68.8	R15:	58.4
Dominant Wavelength (nm):	587	R8:	32.6		
Purity:	71.48321				
Rf:	76.9				
Rg:	92.6				



Test Conditions

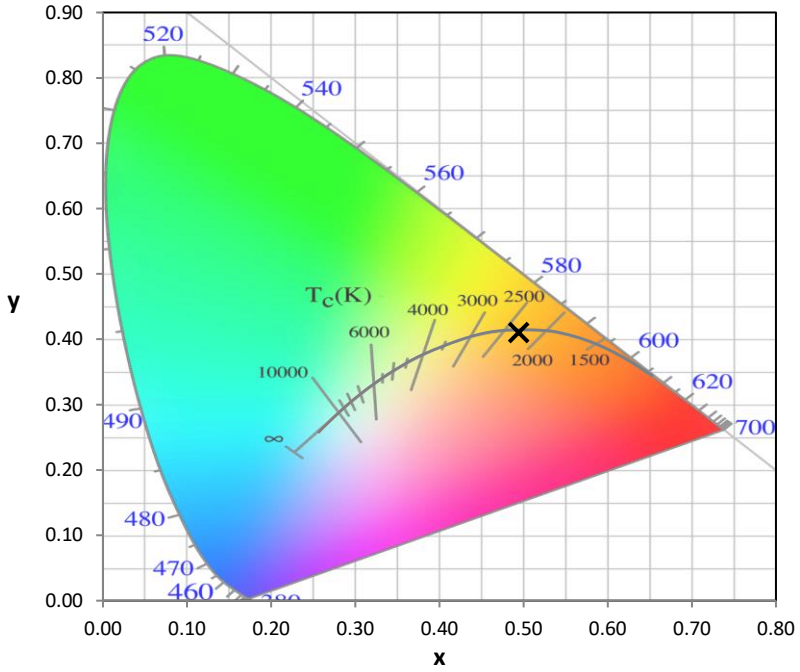
Stabilization Time:	40M
Operation Time:	1H 40M
Sphere Temperature (°C):	25.0

REPORT NUMBER: SP2-2501-321-2

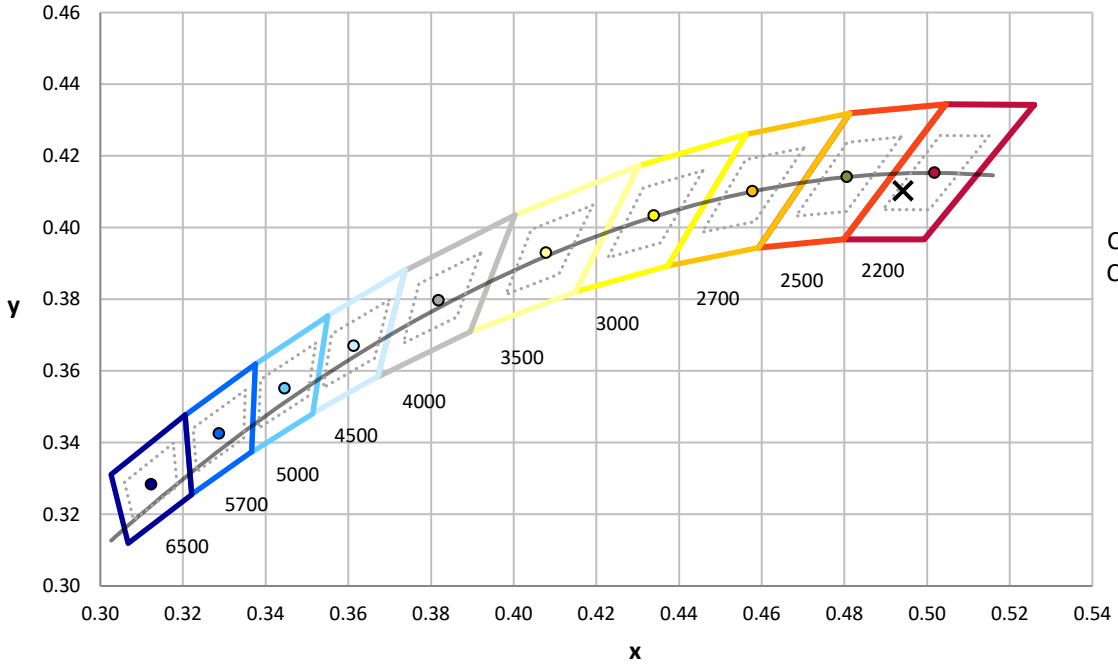
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN2187	1/6/2025	7/6/2025
Power Meter	INXT2011002	1/21/2025	1/21/2026
AC Power Source	IN0458	10/22/2024	10/22/2025
DC Power Source	IN0212	10/22/2024	10/22/2025
Sphere Thermometer	IN4036B	10/22/2024	10/22/2025
Room Thermometer	IN0046	10/22/2024	10/22/2025

REPORT NUMBER: SP2-2501-321-2

CIE 1931 Chromaticity Diagram



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

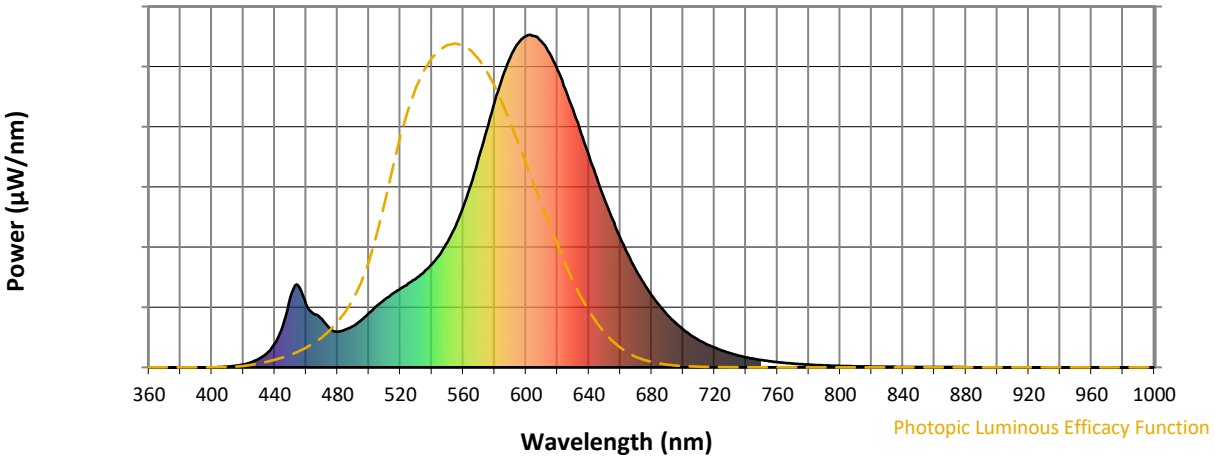


CCT = 2281K
CIE x = 0.4942
CIE y = 0.4102
Duv = -0.0016

Point lies inside the ANSI 2200K 4-step quadrangle

REPORT NUMBER: SP2-2501-321-2

Photopic Flux vs. Wavelength



Photopic Lumens: NR

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	124	NR	620	894	NR	750	22	NR	880	0	NR
365	0	NR	495	141	NR	625	837	NR	755	19	NR	885	0	NR
370	0	NR	500	163	NR	630	774	NR	760	16	NR	890	0	NR
375	0	NR	505	184	NR	635	706	NR	765	13	NR	895	0	NR
380	0	NR	510	204	NR	640	638	NR	770	11	NR	900	0	NR
385	0	NR	515	221	NR	645	570	NR	775	10	NR	905	0	NR
390	0	NR	520	237	NR	650	505	NR	780	8	NR	910	0	NR
395	0	NR	525	252	NR	655	446	NR	785	7	NR	915	0	NR
400	0	NR	530	268	NR	660	389	NR	790	6	NR	920	0	NR
405	1	NR	535	287	NR	665	339	NR	795	5	NR	925	0	NR
410	2	NR	540	310	NR	670	292	NR	800	4	NR	930	0	NR
415	5	NR	545	339	NR	675	253	NR	805	4	NR	935	0	NR
420	9	NR	550	377	NR	680	217	NR	810	3	NR	940	0	NR
425	15	NR	555	424	NR	685	186	NR	815	3	NR	945	0	NR
430	26	NR	560	482	NR	690	158	NR	820	2	NR	950	0	NR
435	43	NR	565	551	NR	695	135	NR	825	2	NR	955	0	NR
440	71	NR	570	632	NR	700	114	NR	830	2	NR	960	0	NR
445	123	NR	575	714	NR	705	97	NR	835	2	NR	965	0	NR
450	210	NR	580	797	NR	710	82	NR	840	1	NR	970	0	NR
455	245	NR	585	873	NR	715	70	NR	845	1	NR	975	0	NR
460	190	NR	590	934	NR	720	59	NR	850	1	NR	980	0	NR
465	161	NR	595	975	NR	725	50	NR	855	1	NR	985	0	NR
470	145	NR	600	996	NR	730	43	NR	860	1	NR	990	0	NR
475	117	NR	605	997	NR	735	36	NR	865	1	NR	995	0	NR
480	107	NR	610	978	NR	740	30	NR	870	1	NR	1000	0	NR
485	113	NR	615	945	NR	745	26	NR	875	1	NR			

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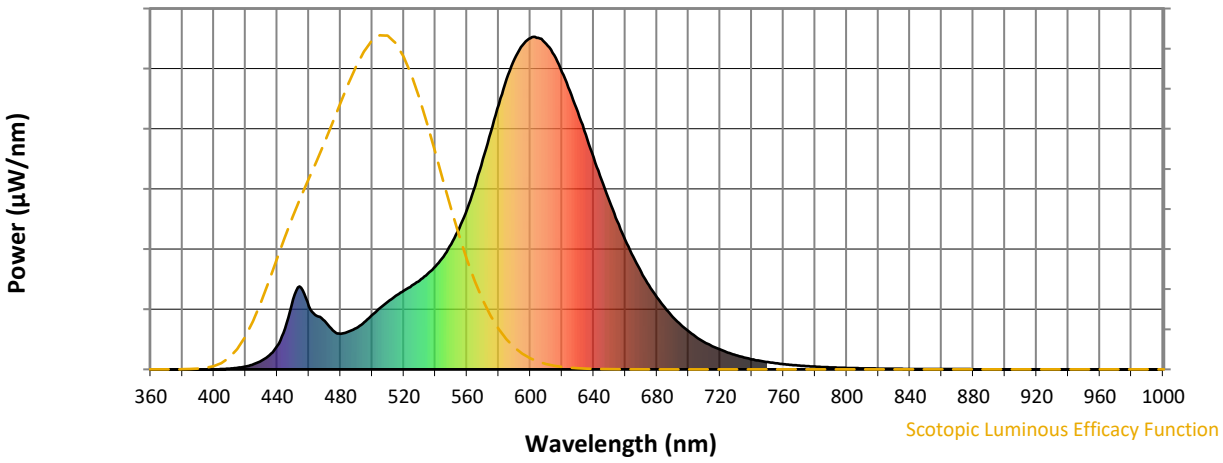
Scotopic Flux vs. Wavelength



Scotopic Lumens: NR **S/P: 0.98**

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	124	NR	620	894	NR	750	22	NR	880	0	NR
365	0	NR	495	141	NR	625	837	NR	755	19	NR	885	0	NR
370	0	NR	500	163	NR	630	774	NR	760	16	NR	890	0	NR
375	0	NR	505	184	NR	635	706	NR	765	13	NR	895	0	NR
380	0	NR	510	204	NR	640	638	NR	770	11	NR	900	0	NR
385	0	NR	515	221	NR	645	570	NR	775	10	NR	905	0	NR
390	0	NR	520	237	NR	650	505	NR	780	8	NR	910	0	NR
395	0	NR	525	252	NR	655	446	NR	785	7	NR	915	0	NR
400	0	NR	530	268	NR	660	389	NR	790	6	NR	920	0	NR
405	1	NR	535	287	NR	665	339	NR	795	5	NR	925	0	NR
410	2	NR	540	310	NR	670	292	NR	800	4	NR	930	0	NR
415	5	NR	545	339	NR	675	253	NR	805	4	NR	935	0	NR
420	9	NR	550	377	NR	680	217	NR	810	3	NR	940	0	NR
425	15	NR	555	424	NR	685	186	NR	815	3	NR	945	0	NR
430	26	NR	560	482	NR	690	158	NR	820	2	NR	950	0	NR
435	43	NR	565	551	NR	695	135	NR	825	2	NR	955	0	NR
440	71	NR	570	632	NR	700	114	NR	830	2	NR	960	0	NR
445	123	NR	575	714	NR	705	97	NR	835	2	NR	965	0	NR
450	210	NR	580	797	NR	710	82	NR	840	1	NR	970	0	NR
455	245	NR	585	873	NR	715	70	NR	845	1	NR	975	0	NR
460	190	NR	590	934	NR	720	59	NR	850	1	NR	980	0	NR
465	161	NR	595	975	NR	725	50	NR	855	1	NR	985	0	NR
470	145	NR	600	996	NR	730	43	NR	860	1	NR	990	0	NR
475	117	NR	605	997	NR	735	36	NR	865	1	NR	995	0	NR
480	107	NR	610	978	NR	740	30	NR	870	1	NR	1000	0	NR
485	113	NR	615	945	NR	745	26	NR	875	1	NR			

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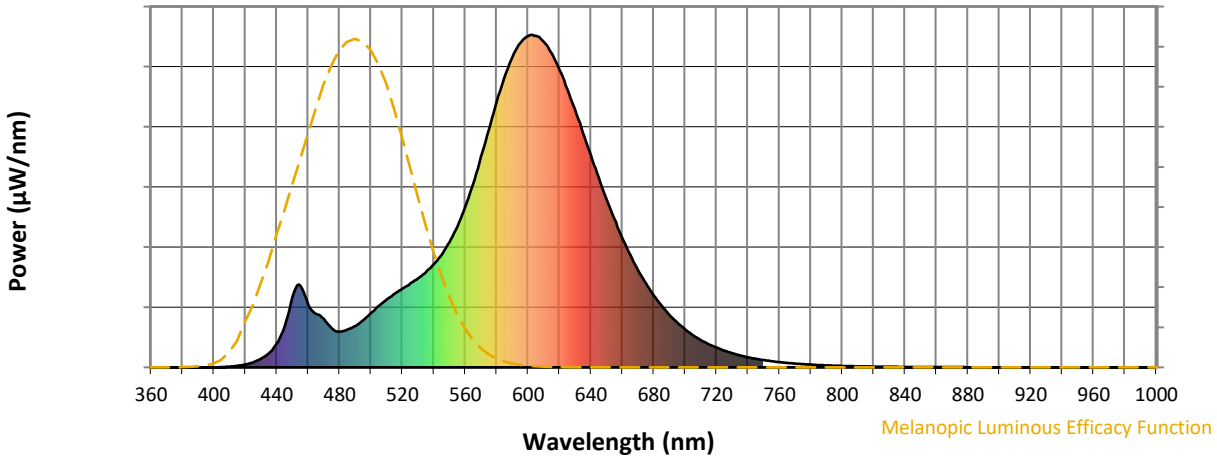
Melanopic Flux vs. Wavelength



Melanopic Lumens: NR **M/P: 1.75**

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	124	NR	620	894	NR	750	22	NR	880	0	NR
365	0	NR	495	141	NR	625	837	NR	755	19	NR	885	0	NR
370	0	NR	500	163	NR	630	774	NR	760	16	NR	890	0	NR
375	0	NR	505	184	NR	635	706	NR	765	13	NR	895	0	NR
380	0	NR	510	204	NR	640	638	NR	770	11	NR	900	0	NR
385	0	NR	515	221	NR	645	570	NR	775	10	NR	905	0	NR
390	0	NR	520	237	NR	650	505	NR	780	8	NR	910	0	NR
395	0	NR	525	252	NR	655	446	NR	785	7	NR	915	0	NR
400	0	NR	530	268	NR	660	389	NR	790	6	NR	920	0	NR
405	1	NR	535	287	NR	665	339	NR	795	5	NR	925	0	NR
410	2	NR	540	310	NR	670	292	NR	800	4	NR	930	0	NR
415	5	NR	545	339	NR	675	253	NR	805	4	NR	935	0	NR
420	9	NR	550	377	NR	680	217	NR	810	3	NR	940	0	NR
425	15	NR	555	424	NR	685	186	NR	815	3	NR	945	0	NR
430	26	NR	560	482	NR	690	158	NR	820	2	NR	950	0	NR
435	43	NR	565	551	NR	695	135	NR	825	2	NR	955	0	NR
440	71	NR	570	632	NR	700	114	NR	830	2	NR	960	0	NR
445	123	NR	575	714	NR	705	97	NR	835	2	NR	965	0	NR
450	210	NR	580	797	NR	710	82	NR	840	1	NR	970	0	NR
455	245	NR	585	873	NR	715	70	NR	845	1	NR	975	0	NR
460	190	NR	590	934	NR	720	59	NR	850	1	NR	980	0	NR
465	161	NR	595	975	NR	725	50	NR	855	1	NR	985	0	NR
470	145	NR	600	996	NR	730	43	NR	860	1	NR	990	0	NR
475	117	NR	605	997	NR	735	36	NR	865	1	NR	995	0	NR
480	107	NR	610	978	NR	740	30	NR	870	1	NR	1000	0	NR
485	113	NR	615	945	NR	745	26	NR	875	1	NR			

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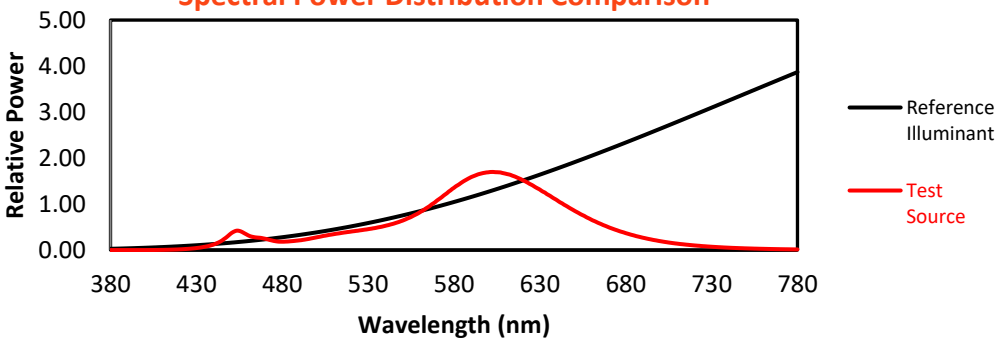
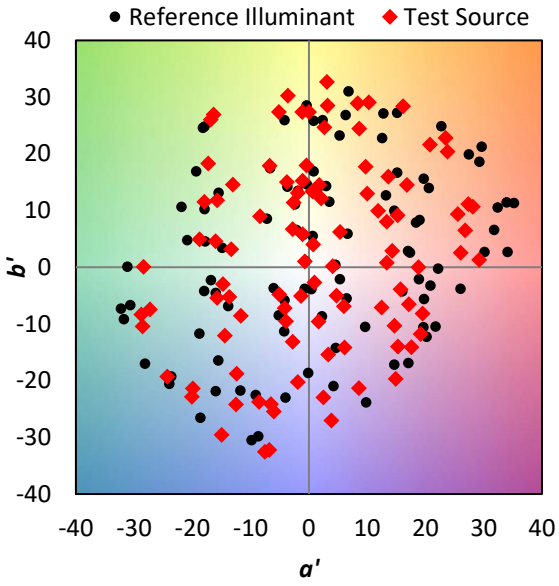
Summary

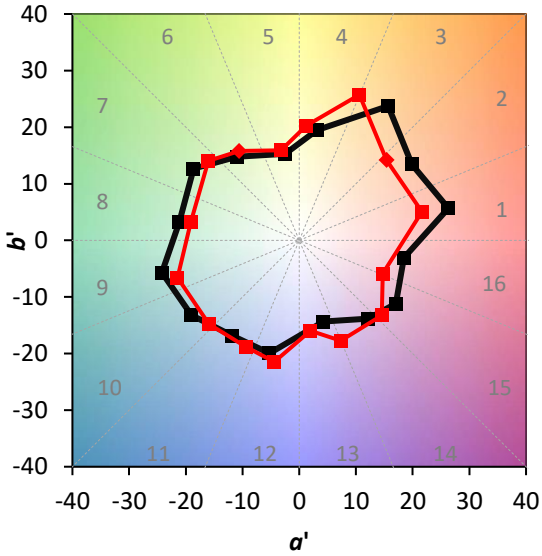
R_f = 76.9
R_g = 92.6
CIE R_a = 70.6
R_9 = -35.1

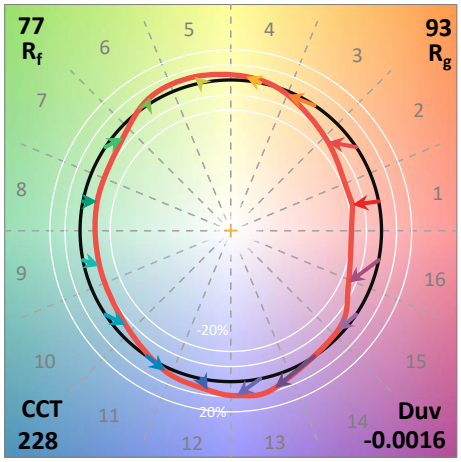
Spectral Power Distribution Comparison

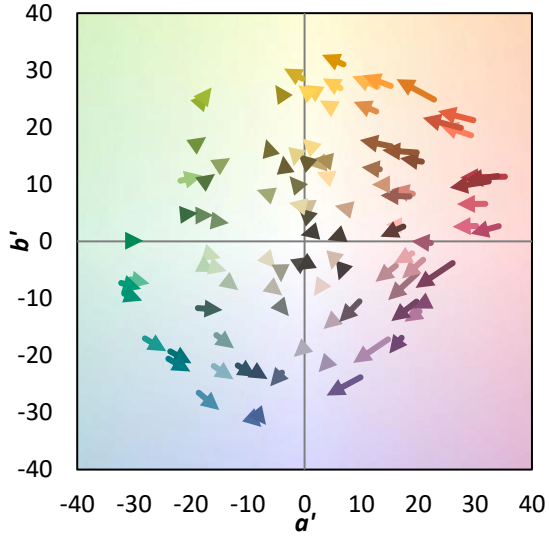


Color Vector Graphics









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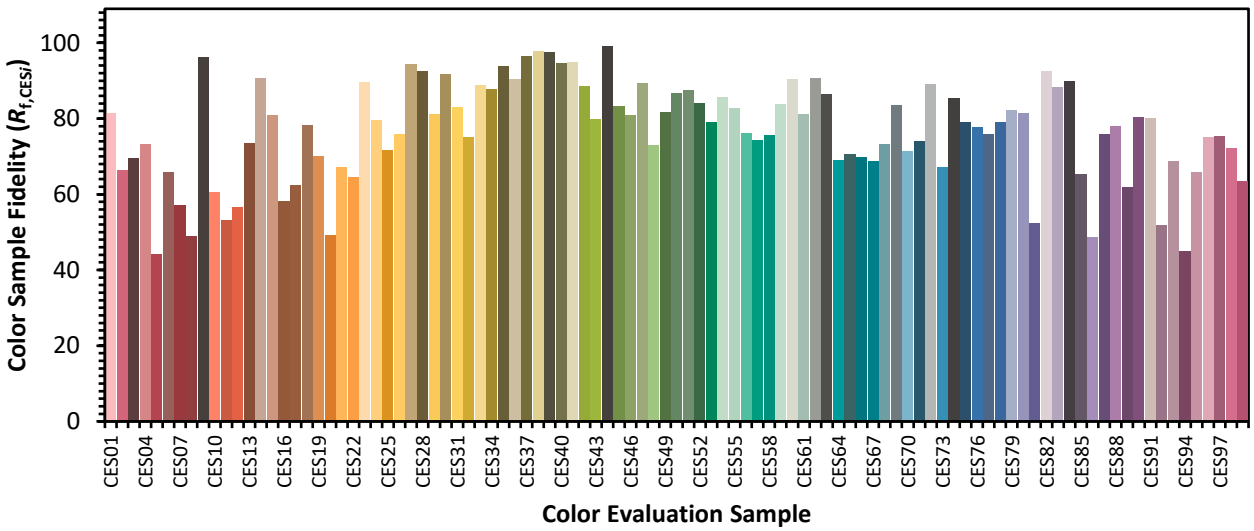
Individual Sample Fidelity Index ($R_{f,i}$)

CES01 = 87	CES26 = 76	CES51 = 88	CES76 = 78
CES02 = 65	CES27 = 94	CES52 = 84	CES77 = 76
CES03 = 32	CES28 = 93	CES53 = 79	CES78 = 79
CES04 = 72	CES29 = 81	CES54 = 86	CES79 = 82
CES05 = 51	CES30 = 92	CES55 = 83	CES80 = 81
CES06 = 52	CES31 = 83	CES56 = 76	CES81 = 52
CES07 = 44	CES32 = 75	CES57 = 74	CES82 = 92
CES08 = 42	CES33 = 89	CES58 = 76	CES83 = 88
CES09 = 29	CES34 = 88	CES59 = 84	CES84 = 90
CES10 = 79	CES35 = 94	CES60 = 91	CES85 = 65
CES11 = 62	CES36 = 90	CES61 = 81	CES86 = 49
CES12 = 68	CES37 = 96	CES62 = 91	CES87 = 76
CES13 = 44	CES38 = 98	CES63 = 86	CES88 = 78
CES14 = 75	CES39 = 98	CES64 = 69	CES89 = 62
CES15 = 72	CES40 = 95	CES65 = 71	CES90 = 80
CES16 = 48	CES41 = 95	CES66 = 70	CES91 = 80
CES17 = 51	CES42 = 89	CES67 = 69	CES92 = 52
CES18 = 57	CES43 = 80	CES68 = 73	CES93 = 69
CES19 = 74	CES44 = 99	CES69 = 84	CES94 = 45
CES20 = 68	CES45 = 83	CES70 = 71	CES95 = 66
CES21 = 88	CES46 = 81	CES71 = 74	CES96 = 75
CES22 = 81	CES47 = 89	CES72 = 89	CES97 = 75
CES23 = 92	CES48 = 73	CES73 = 67	CES98 = 72
CES24 = 92	CES49 = 82	CES74 = 85	CES99 = 64
CES25 = 73	CES50 = 87	CES75 = 79	



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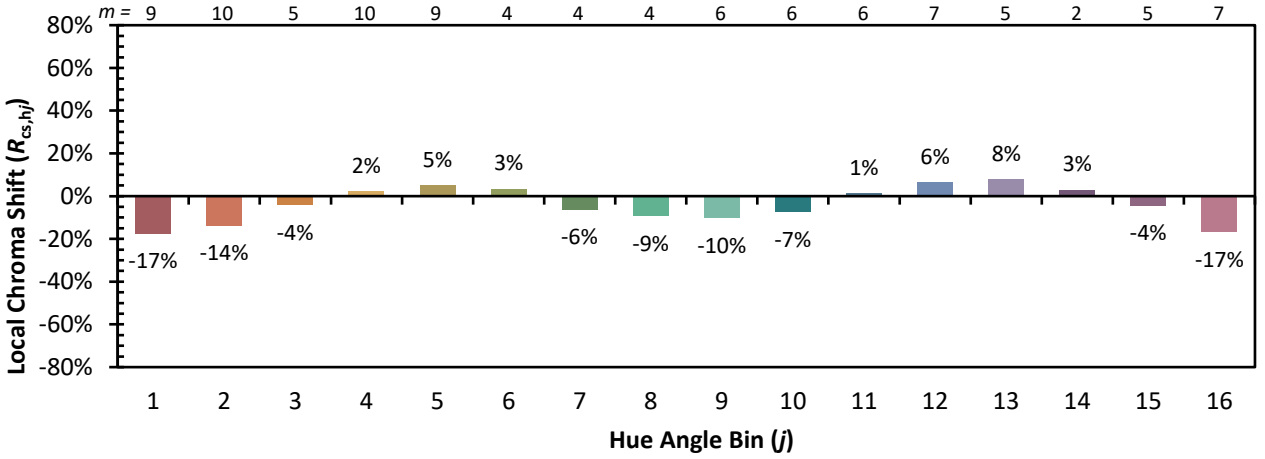
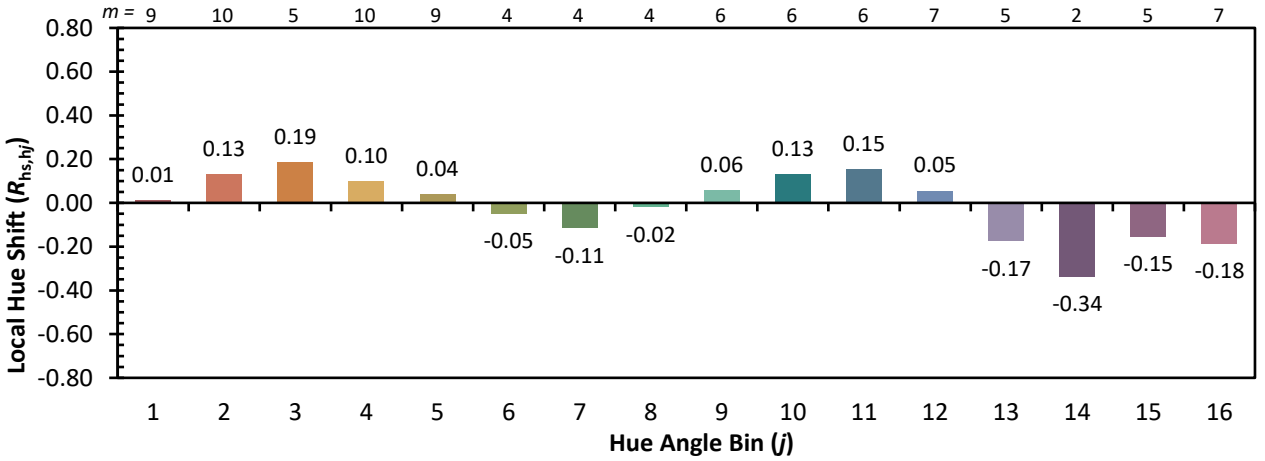
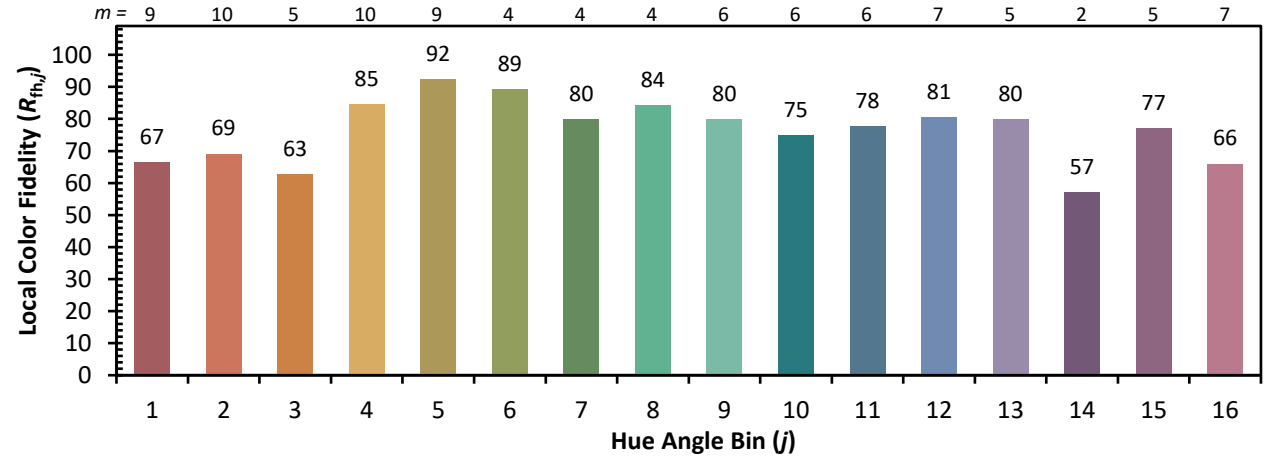
Color Rendition by Hue-Angle Bin







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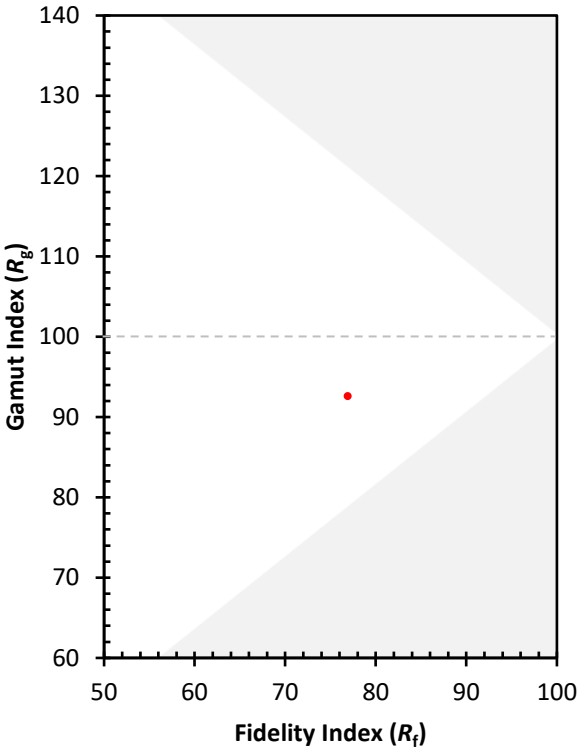
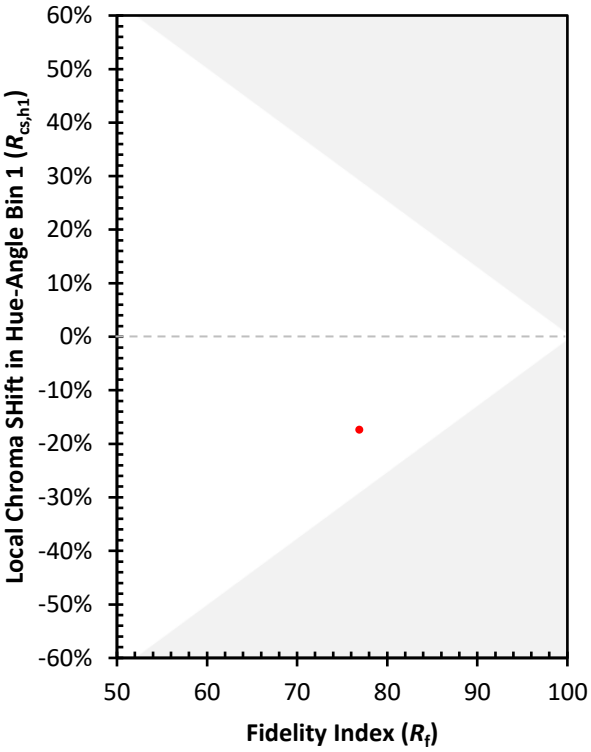
Measure Comparisons





(END OF REPORT)