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: P972297

Luminaire Tested: **GKO-PB2E-722-U-T2R**

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:	P972297
Test Lab:	INNOVATION CENTER(G1)
Issue Date:	02/27/2025
Manufacturer:	COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line:	McGRAW-EDISON
Catalog Number:	GKO-PB2E-722-U-T2R
Description:	GEKKO WALL PACK 12000LM PACKAGE 70CRI 2200K FIXTURE w/ TYPE II ROADWAY DISTRIBUTION OPTIC
Light Source:	(20) 2200K CCT, 70 CRI LEDS
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	10766.7 lumens
Efficiency:	N/A
Efficacy:	102.8 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):	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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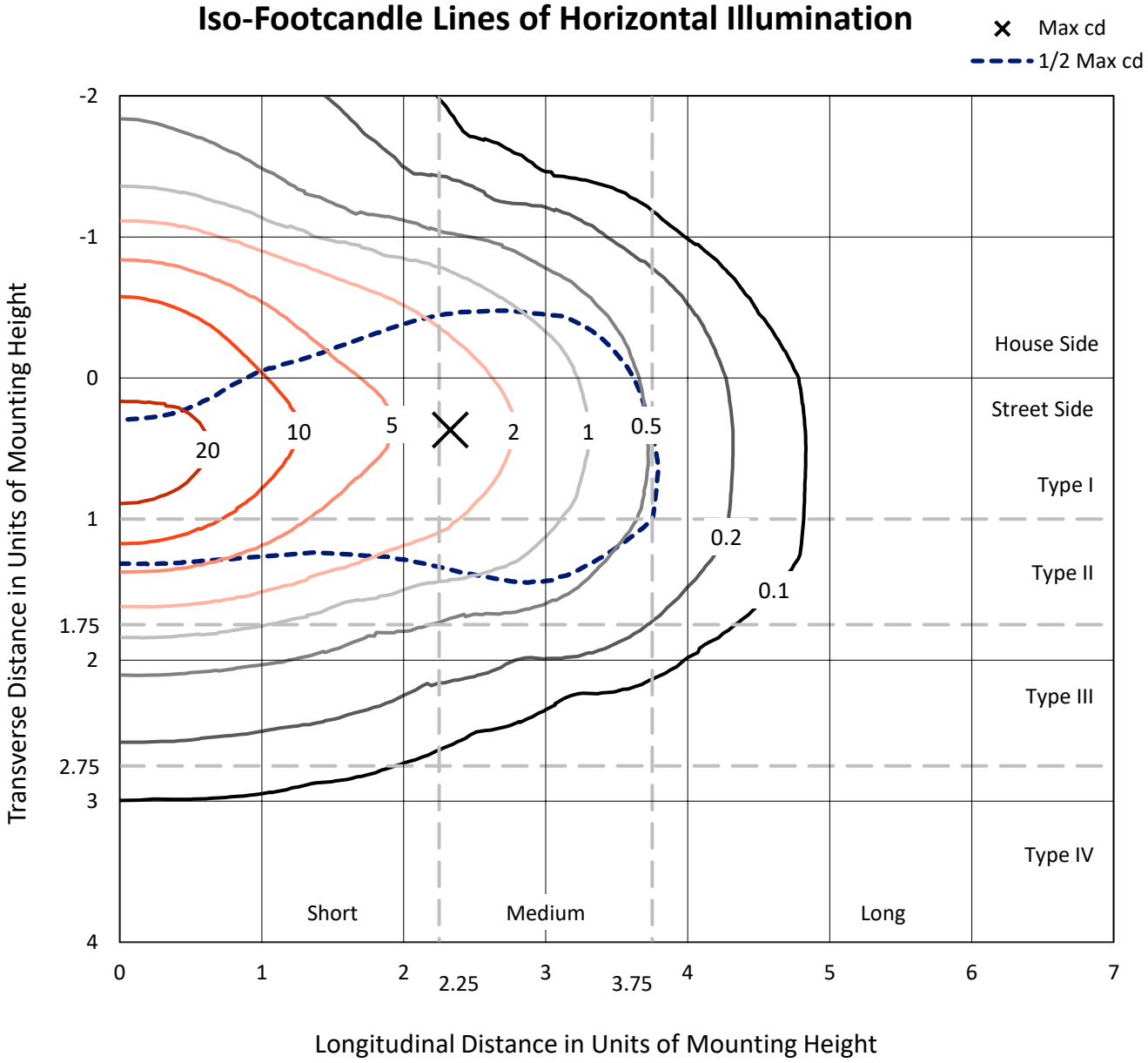
REPORT NUMBER: P972297
CATALOG NUMBER: GKO-PB2E-722-U-T2R

Iso-Footcandle Lines of Horizontal Illumination



Based on 10 foot mounting height. Maximum calculated value = 28.9 fc
Type II - Medium - N/A

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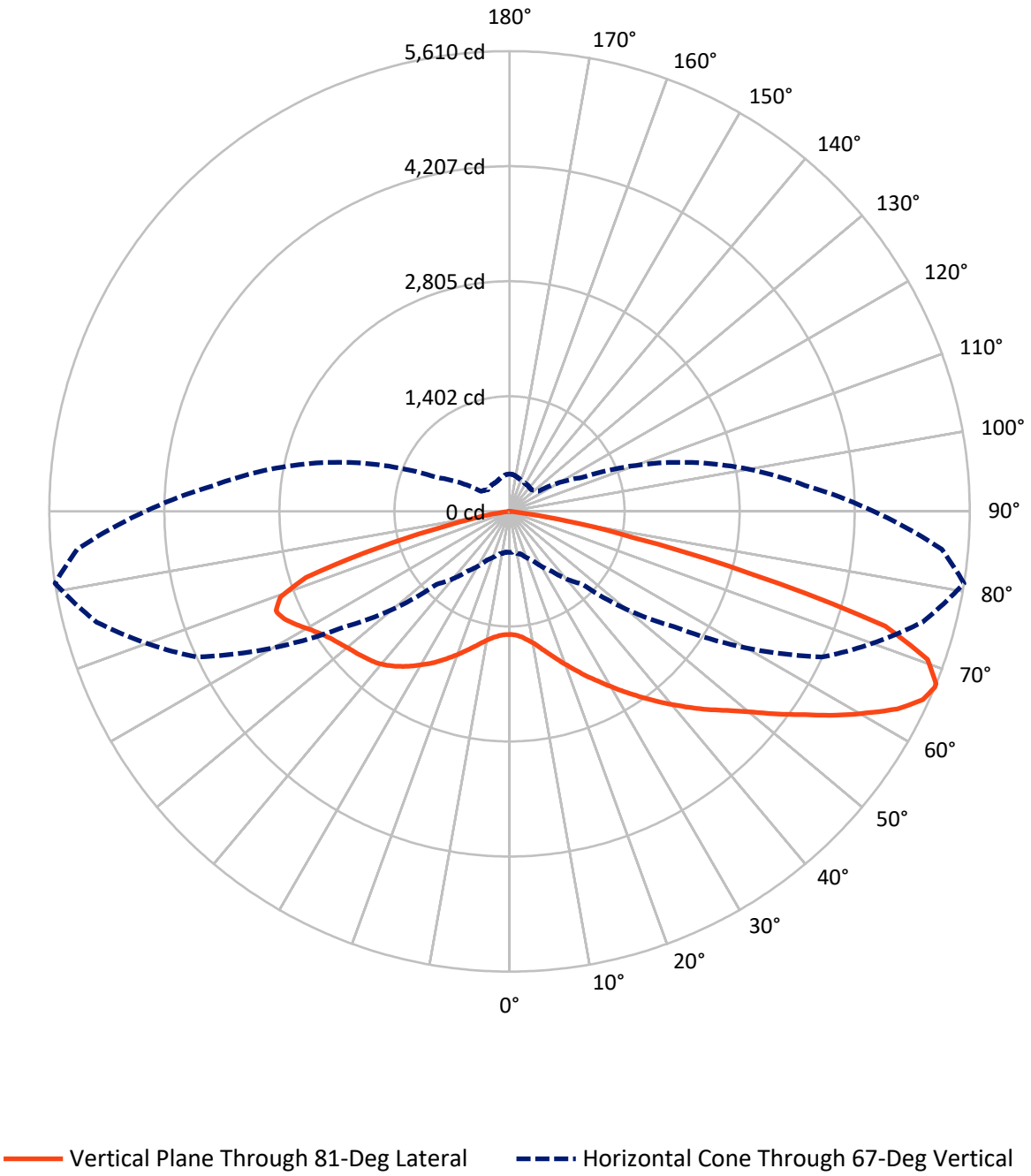
Luminous Intensity Polar Plot



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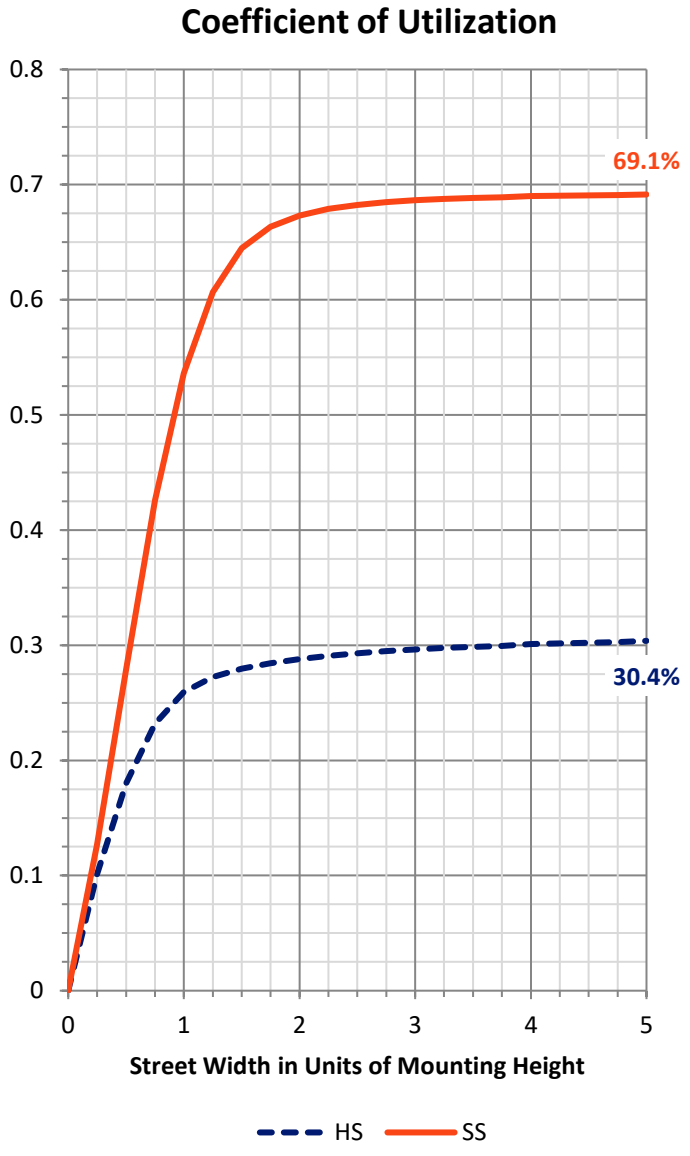
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3324.7	0.0	3324.7
	% Fixture	30.9	0.0	30.9
Street Side	Lumens	7442.0	0.0	7442.0
	% Fixture	69.1	0.0	69.1
Total	Lumens	10766.7	0.0	10766.7
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	155.3	1.4
10°-20°	562.3	5.2
20°-30°	1139.2	10.6
30°-40°	1796.3	16.7
40°-50°	2206.0	20.5
50°-60°	2107.4	19.6
60°-70°	1767.3	16.4
70°-80°	936.2	8.7
80°-90°	96.7	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°	10766.7	100.0
0°-180°	10766.7	100.0



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REPORT NUMBER: P972297
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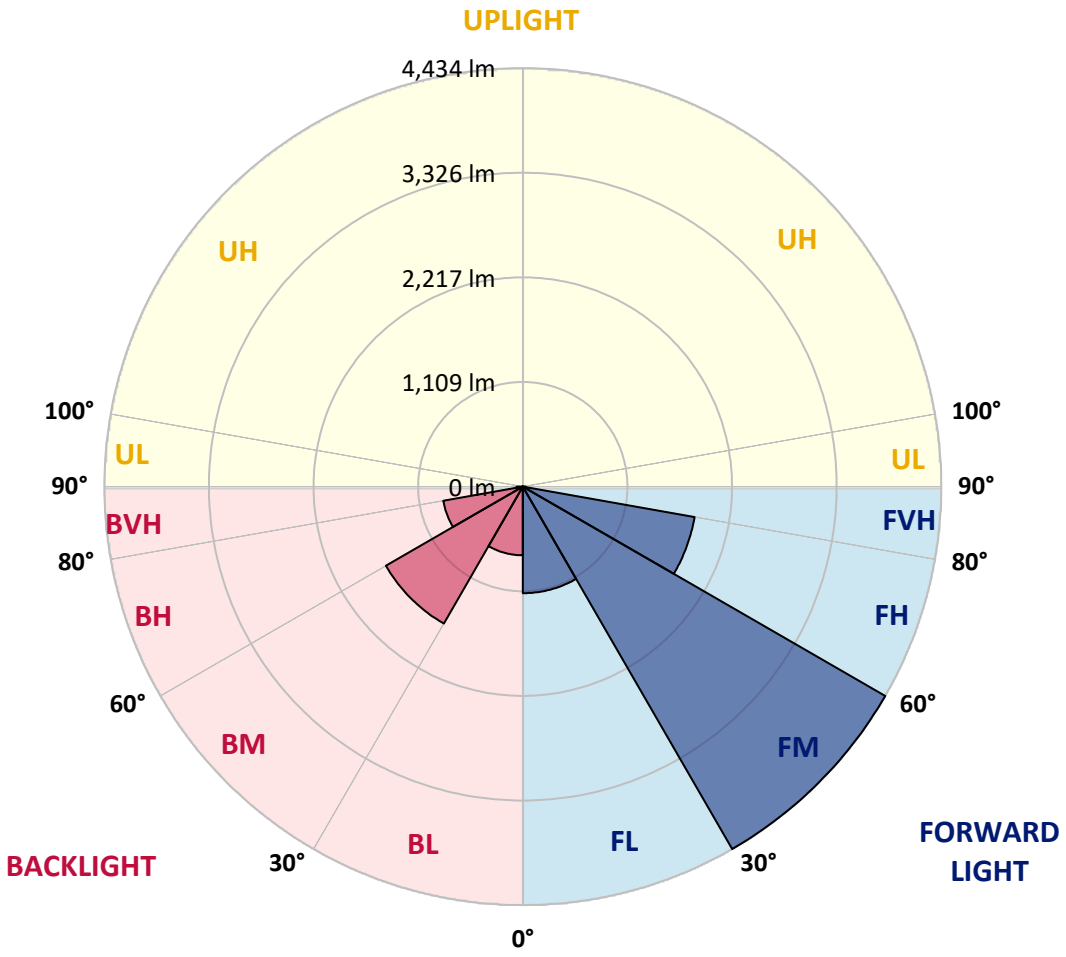
LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	1129.3	10.5			
FM	(30°-60°)	4434.4	41.2			
FH	(60°-80°)	1848.2	17.2			G2/5000
FVH	(80°-90°)	30.1	0.3			G1/100
BL	(0°-30°)	727.5	6.8	B2/1000		
BM	(30°-60°)	1675.2	15.6	B2/2500		
BH	(60°-80°)	855.2	7.9	B2/1000		G2/1000
BVH	(80°-90°)	66.7	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°	1499.8	1499.8	1499.8	1499.8	1499.8	1499.8	1499.8	1499.8	1499.8	*1499.8*	1499.8
2.5°	1586.3	1590.4	1582.2	1580.1	1571.9	1559.5	1545.1	1534.8	1518.3	*1510.1*	1506.0
5°	1736.7	1728.5	1722.3	1712.0	1683.1	1658.4	1617.2	1588.4	1557.5	*1536.9*	1530.7
7.5°	1920.1	1924.2	1903.6	1876.8	1835.6	1786.1	1720.2	1666.7	1609.0	*1582.2*	1569.8
10°	2119.9	2136.4	2115.8	2082.8	2004.5	1930.4	1850.0	1757.3	1679.0	*1637.8*	1621.3
12.5°	2363.0	2373.3	2346.5	2303.2	2208.5	2097.2	1983.9	1868.5	1765.5	*1714.0*	1685.2
15°	2634.9	2626.7	2599.9	2536.0	2414.5	2290.9	2136.4	1986.0	1864.4	*1800.6*	1759.4
17.5°	2915.1	2904.8	2869.8	2787.4	2649.3	2494.8	2311.5	2121.9	1969.5	*1899.5*	1843.8
20°	3182.9	3172.6	3147.9	3055.2	2888.3	2698.8	2484.5	2278.5	2089.0	*2002.5*	1940.7
22.5°	3479.6	3471.3	3432.2	3318.9	3139.7	2931.6	2682.3	2437.1	2218.8	*2115.8*	2041.6
25°	3801.0	3803.0	3759.8	3601.1	3399.2	3156.1	2894.5	2616.4	2365.0	*2235.3*	2150.8
27.5°	4175.9	4173.8	4099.7	3928.7	3675.3	3395.1	3104.6	2803.9	2509.3	*2356.8*	2260.0
30°	4515.8	4507.6	4425.2	4254.2	3961.7	3646.5	3327.1	2985.1	2672.0	*2490.7*	2373.3
32.5°	4767.2	4769.2	4701.2	4513.8	4227.4	3891.6	3535.2	3189.1	2828.6	*2634.9*	2505.1
35°	4948.5	4950.5	4884.6	4723.9	4456.1	4120.3	3755.6	3380.7	3003.7	*2783.3*	2643.2
37.5°	5006.1	5006.1	4962.9	4837.2	4618.8	4326.3	3972.0	3599.1	3178.8	*2943.9*	2783.3
40°	4927.9	4934.0	4932.0	4849.6	4699.2	4468.4	4171.8	3809.2	3374.5	*3102.6*	2925.4
42.5°	4750.7	4754.8	4761.0	4730.1	4682.7	4544.7	4332.5	4023.5	3570.2	*3275.6*	3065.5
45°	4458.1	4474.6	4505.5	4517.9	4536.4	4526.1	4431.4	4223.3	3788.6	*3448.7*	3203.5
47.5°	4087.3	4114.1	4155.3	4229.5	4332.5	4414.9	4456.1	4377.8	4000.8	*3627.9*	3358.0
50°	3572.3	3601.1	3712.4	3866.9	4070.8	4231.5	4388.1	4493.2	4237.7	*3846.3*	3531.1
52.5°	2859.5	2921.3	3108.8	3405.4	3755.6	3994.6	4243.9	4548.8	4478.7	*4103.8*	3737.1
55°	2175.5	2198.2	2439.2	2795.6	3335.4	3739.2	4046.1	4520.0	4705.4	*4373.7*	3972.0
57.5°	1520.4	1545.1	1755.2	2144.6	2742.0	3405.4	3848.3	4423.1	4911.4	*4690.9*	4241.8
60°	1079.5	1106.3	1262.9	1551.3	2130.2	2919.2	3665.0	4299.5	5090.6	*4991.7*	4552.9
62.5°	784.9	799.3	881.7	1124.8	1538.9	2282.6	3403.4	4219.2	5216.3	*5304.9*	4872.2
65°	601.6	616.0	663.4	815.8	1137.2	1668.7	2933.6	4217.1	5249.2	*5535.6*	5148.3
67°	*500.6*	*498.6*	*539.8*	*655.1*	*887.9*	*1254.6*	*2449.5*	*4200.6*	*5212.2*	*5609.8*	*5288.4*
67.5°	473.8	482.1	515.0	611.9	838.5	1155.7	2344.4	4173.8	5199.8	*5607.7*	5298.7
70°	377.0	379.1	407.9	484.1	630.4	838.5	1687.3	3910.1	5012.3	*5405.8*	5183.3
72.5°	276.1	274.0	317.3	366.7	482.1	609.8	1131.0	3283.9	4606.5	*4789.8*	4608.5
75°	204.0	201.9	224.6	280.2	344.0	455.3	733.4	2142.5	3119.1	*3046.9*	2814.2
77.5°	136.0	140.1	160.7	206.0	245.2	282.2	366.7	986.8	1718.2	*1553.3*	1495.7
80°	82.4	76.2	90.6	117.4	142.1	144.2	156.6	426.4	737.5	*702.5*	659.2
82.5°	28.8	28.8	35.0	47.4	47.4	47.4	57.7	103.0	146.3	*133.9*	127.7
85°	0.0	0.0	0.0	0.0	4.1	6.2	4.1	8.2	14.4	*16.5*	16.5
87.5°	0.0	0.0	0.0	0.0	0.0	2.1	2.1	4.1	6.2	*8.2*	8.2
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: P972297
CATALOG NUMBER: GKO-PB2E-722-U-T2R

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1499.8	1499.8	1499.8	1499.8	1499.8	1499.8	1499.8	1499.8	1499.8	1499.8	1499.8
2.5°	1506.0	1506.0	1499.8	1491.5	1487.4	1485.4	1479.2	1470.9	1477.1	1483.3	1483.3
5°	1526.6	1522.4	1510.1	1501.8	1495.7	1495.7	1487.4	1485.4	1491.5	1497.7	1495.7
7.5°	1559.5	1551.3	1536.9	1524.5	1526.6	1528.6	1516.3	1516.3	1522.4	1528.6	1528.6
10°	1604.9	1590.4	1576.0	1565.7	1567.8	1569.8	1557.5	1553.3	1559.5	1565.7	1569.8
12.5°	1662.5	1644.0	1627.5	1617.2	1615.2	1617.2	1604.9	1600.7	1600.7	1604.9	1604.9
15°	1730.5	1709.9	1689.3	1674.9	1670.8	1668.7	1652.2	1637.8	1637.8	1639.9	1639.9
17.5°	1808.8	1780.0	1753.2	1736.7	1726.4	1712.0	1693.4	1672.8	1666.7	1668.7	1668.7
20°	1887.1	1856.2	1821.2	1798.5	1777.9	1753.2	1724.3	1697.6	1685.2	1685.2	1683.1
22.5°	1977.7	1936.5	1889.1	1858.2	1821.2	1780.0	1738.8	1703.7	1691.4	1687.3	1687.3
25°	2070.4	2023.1	1955.1	1907.7	1854.1	1794.4	1740.8	1693.4	1672.8	1664.6	1664.6
27.5°	2165.2	2109.6	2021.0	1953.0	1874.7	1792.3	1720.2	1660.5	1631.6	1621.3	1617.2
30°	2272.3	2192.0	2078.7	1986.0	1878.8	1773.8	1681.1	1611.0	1567.8	1543.0	1545.1
32.5°	2383.6	2282.6	2132.2	2006.6	1872.7	1738.8	1621.3	1532.7	1477.1	1454.5	1446.2
35°	2496.9	2369.2	2179.6	2016.9	1852.1	1685.2	1545.1	1446.2	1384.4	1351.5	1351.5
37.5°	2612.3	2459.8	2212.6	2014.8	1815.0	1615.2	1456.5	1351.5	1279.3	1238.1	1227.8
40°	2725.6	2544.3	2237.3	1998.3	1759.4	1530.7	1361.8	1248.4	1151.6	1098.1	1089.8
42.5°	2836.8	2614.3	2249.7	1971.6	1693.4	1438.0	1254.6	1102.2	1009.5	960.0	958.0
45°	2937.8	2669.9	2251.7	1936.5	1606.9	1332.9	1110.4	964.1	871.4	819.9	819.9
47.5°	3036.6	2731.7	2249.7	1891.2	1512.1	1196.9	958.0	815.8	731.4	698.4	688.1
50°	3156.1	2793.6	2247.6	1835.6	1390.6	1034.2	809.6	688.1	616.0	583.0	583.0
52.5°	3277.7	2865.7	2251.7	1757.3	1246.4	875.6	677.8	570.7	523.3	502.7	500.6
55°	3434.3	2941.9	2262.0	1664.6	1096.0	721.0	564.5	492.4	459.4	449.1	451.2
57.5°	3623.8	3046.9	2282.6	1555.4	920.9	591.3	484.1	445.0	436.8	440.9	442.9
60°	3840.1	3176.7	2311.5	1431.8	766.4	492.4	436.8	428.5	436.8	453.2	455.3
62.5°	4091.4	3333.3	2348.6	1293.8	613.9	432.6	416.1	422.3	428.5	455.3	457.4
65°	4313.9	3502.2	2356.8	1131.0	498.6	393.5	403.8	407.9	424.4	455.3	457.4
67°	*4439.6*	*3617.6*	*2301.2*	*976.5*	*426.4*	*372.9*	*387.3*	*391.4*	*420.3*	*451.2*	*455.3*
67.5°	4454.0	3642.3	2264.1	937.4	412.0	368.8	383.2	391.4	420.3	451.2	453.2
70°	4410.8	3625.8	2016.9	706.6	339.9	339.9	356.4	374.9	403.8	436.8	451.2
72.5°	4025.5	3306.5	1561.6	480.0	288.4	307.0	331.7	358.5	385.2	424.4	449.1
75°	2544.3	2128.1	955.9	321.4	241.0	274.0	313.1	344.0	366.7	395.5	412.0
77.5°	1359.7	1052.7	412.0	189.5	189.5	243.1	290.5	319.3	331.7	342.0	352.3
80°	642.8	490.3	199.8	113.3	131.8	189.5	257.5	288.4	292.5	304.9	309.0
82.5°	127.7	111.2	65.9	59.7	86.5	136.0	214.3	249.3	251.3	271.9	276.1
85°	16.5	14.4	10.3	22.7	55.6	100.9	164.8	214.3	218.4	218.4	214.3
87.5°	8.2	6.2	6.2	16.5	41.2	76.2	136.0	179.2	181.3	142.1	138.0
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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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

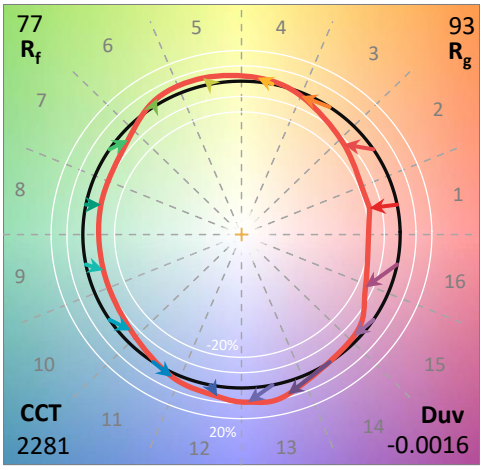
Report Generated By FNC07603 / LDUCLS01DT447
Version: v7.04

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

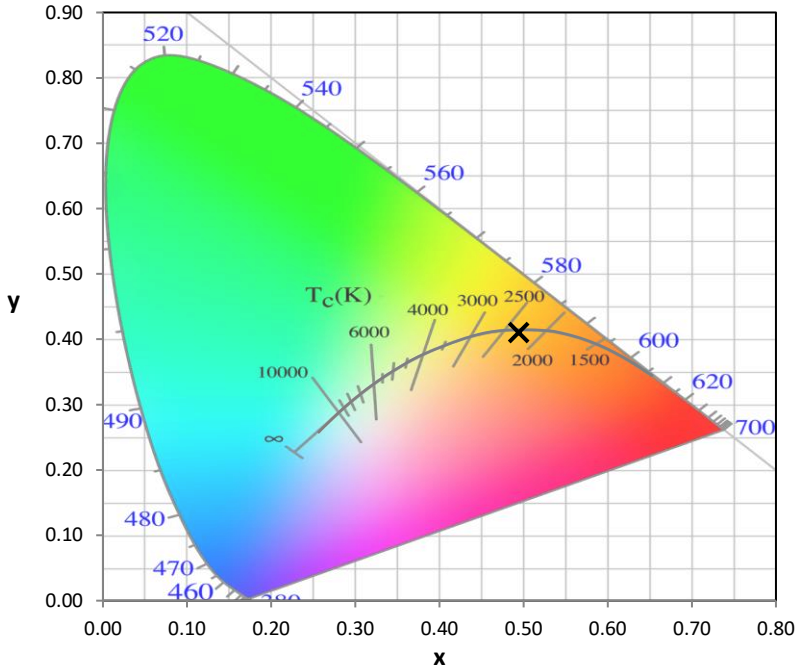
Stabilization Time:	40M
Operation Time:	1H 40M
Sphere Temperature (°C):	25.0

REPORT NUMBER: SP2-2501-321-2

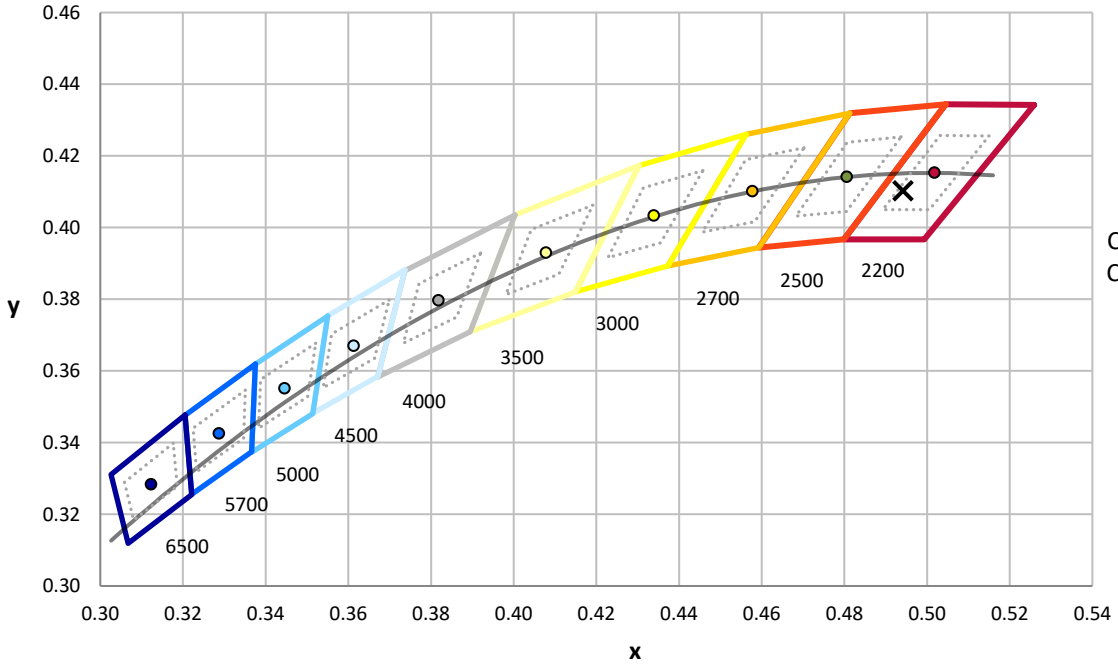
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN2187	1/6/2025	7/6/2025
Power Meter	INXT2011002	1/21/2025	1/21/2026
AC Power Source	IN0458	10/22/2024	10/22/2025
DC Power Source	IN0212	10/22/2024	10/22/2025
Sphere Thermometer	IN4036B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

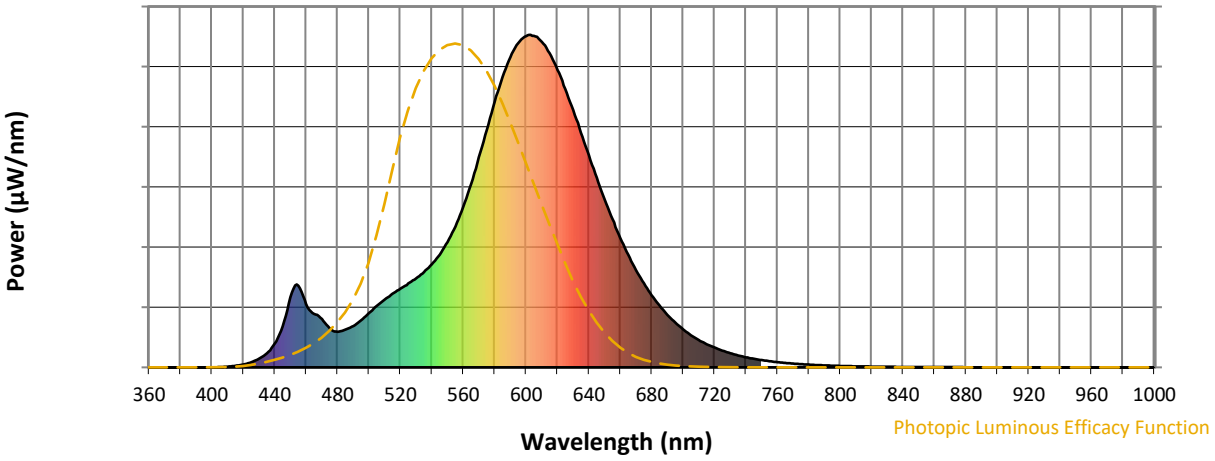


CCT = 2281K
CIE x = 0.4942
CIE y = 0.4102
Duv = -0.0016

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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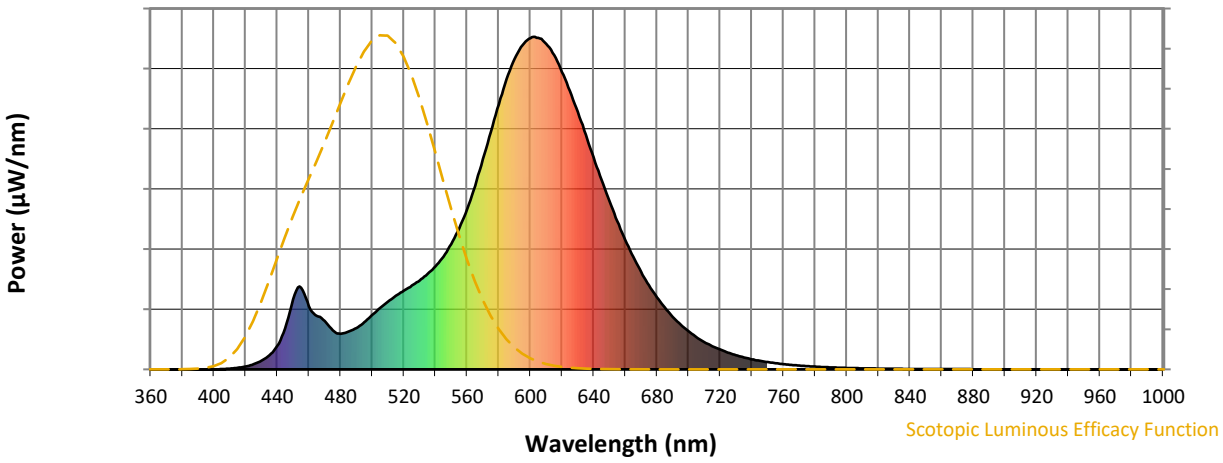
Scotopic Flux vs. Wavelength



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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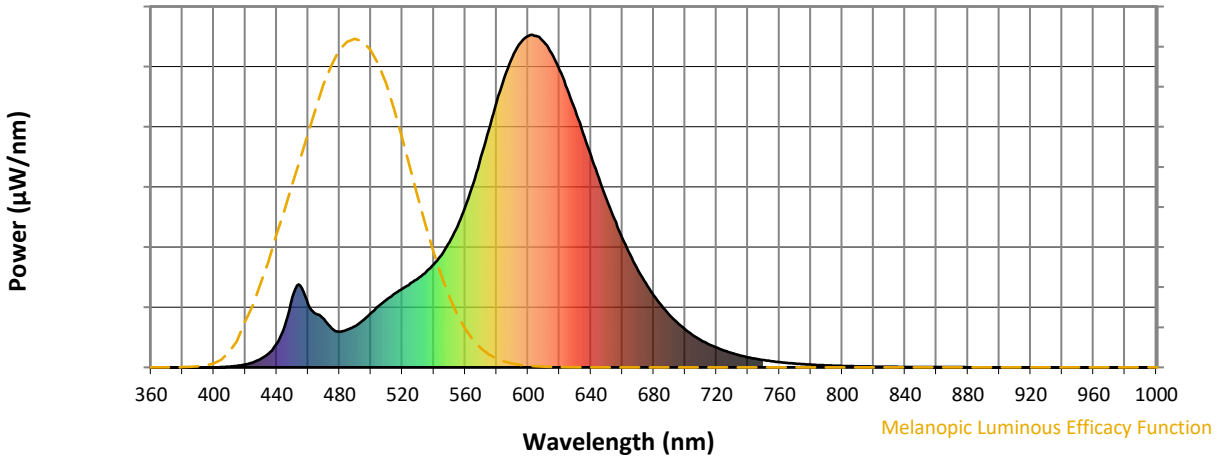
Melanopic Flux vs. Wavelength



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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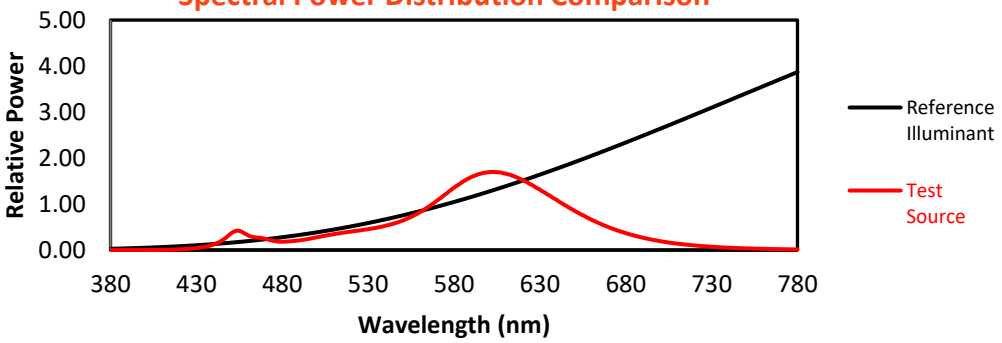
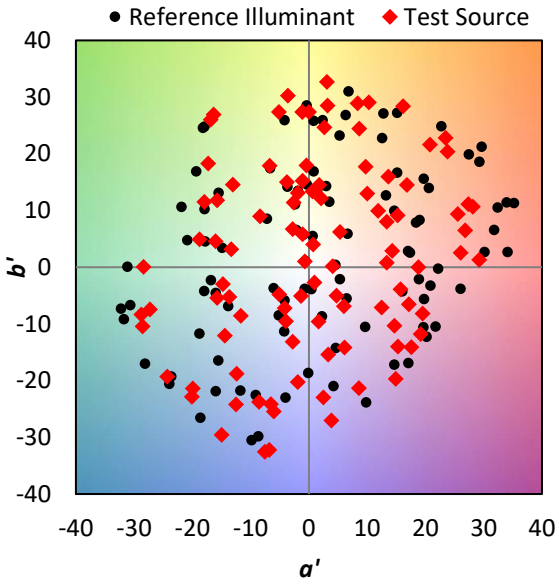
Summary

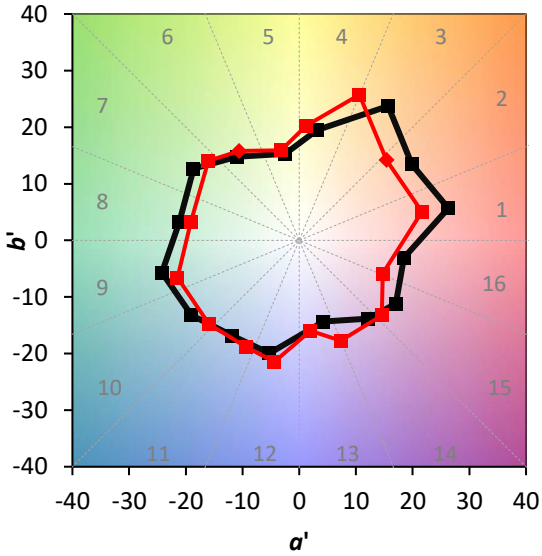
R_f = 76.9
R_g = 92.6
CIE R_a = 70.6
R_9 = -35.1

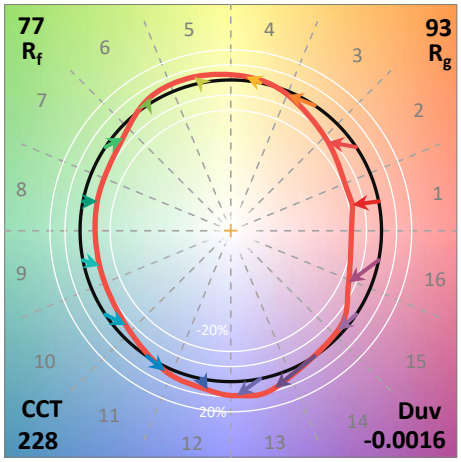
Spectral Power Distribution Comparison

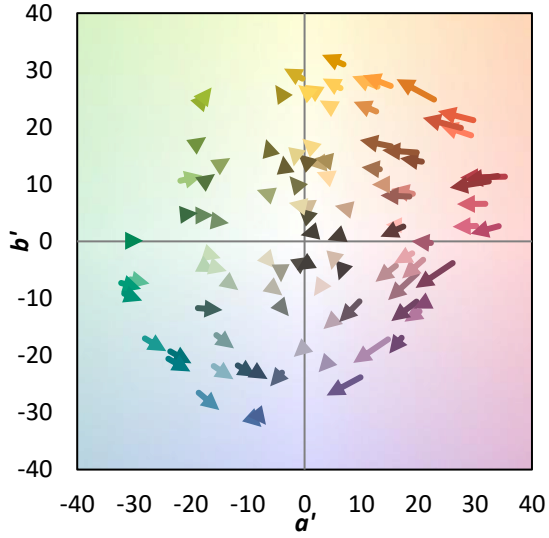


Color Vector Graphics









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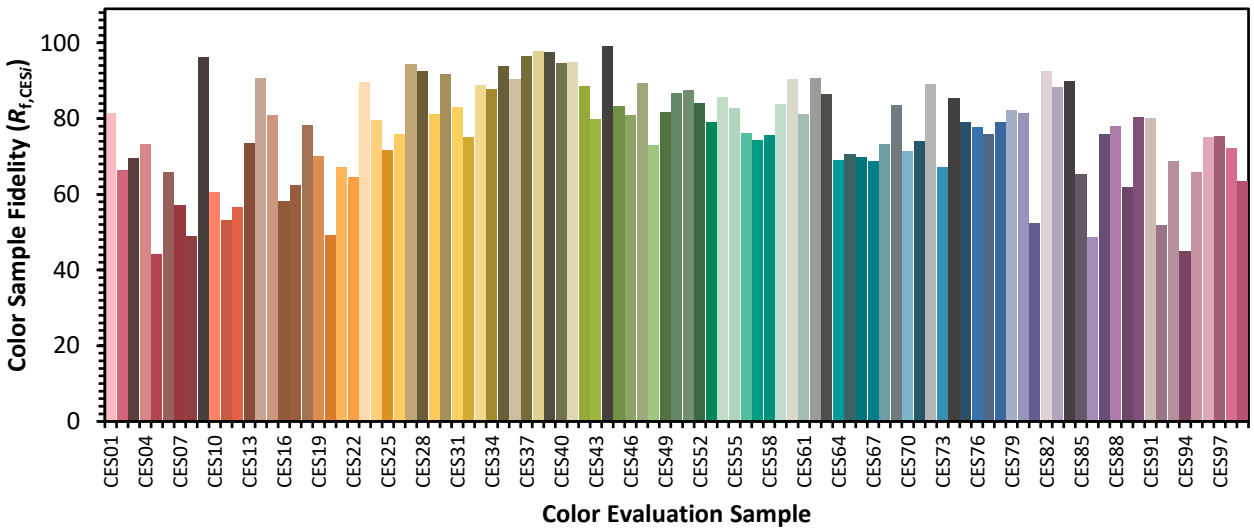
Individual Sample Fidelity Index ($R_{f,i}$)

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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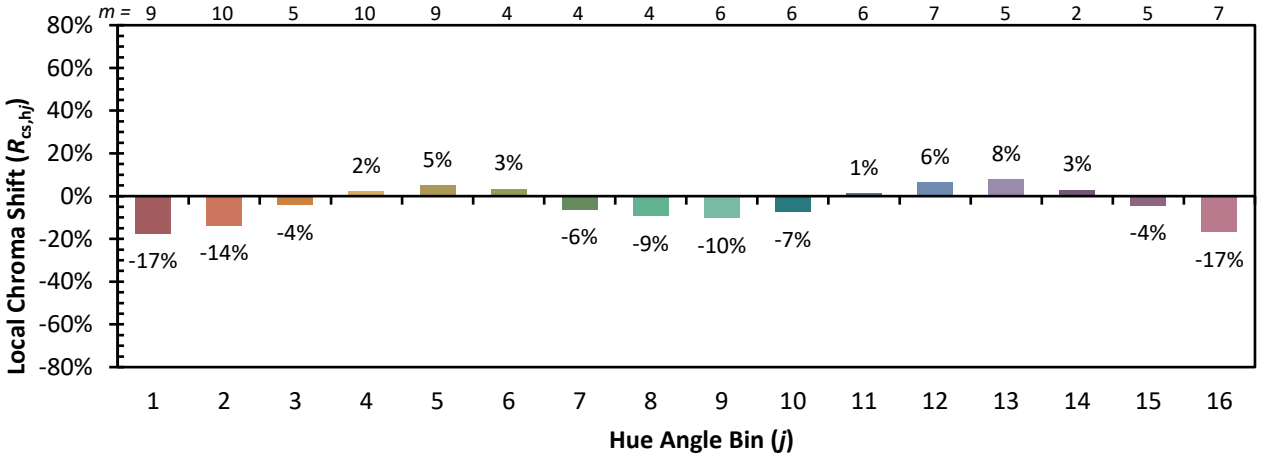
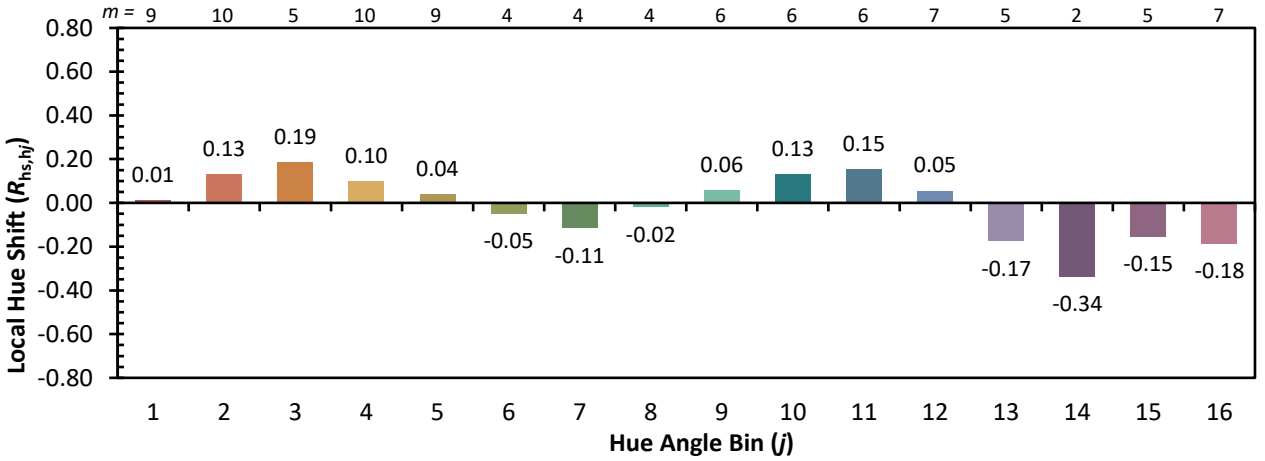
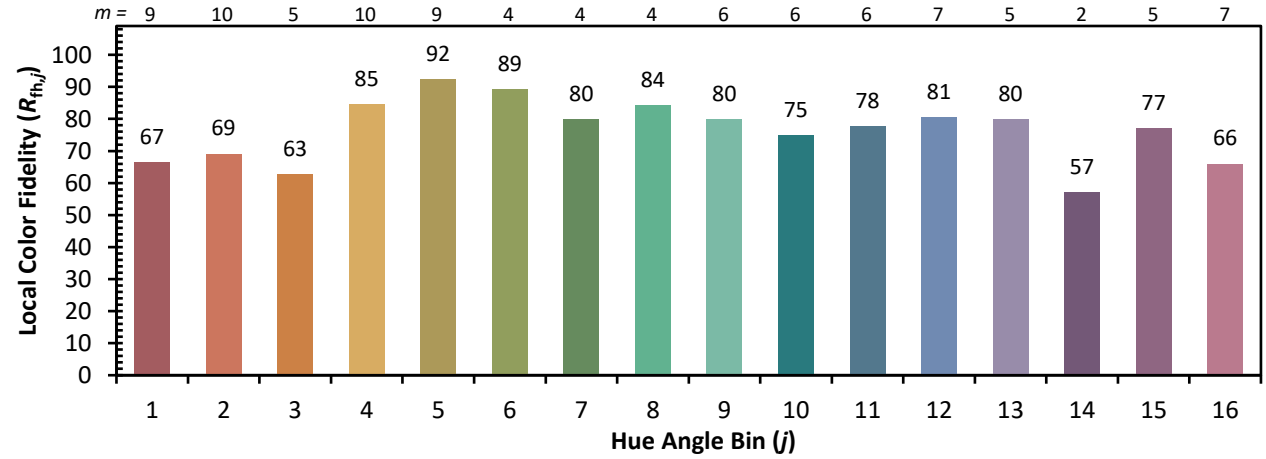
Color Rendition by Hue-Angle Bin







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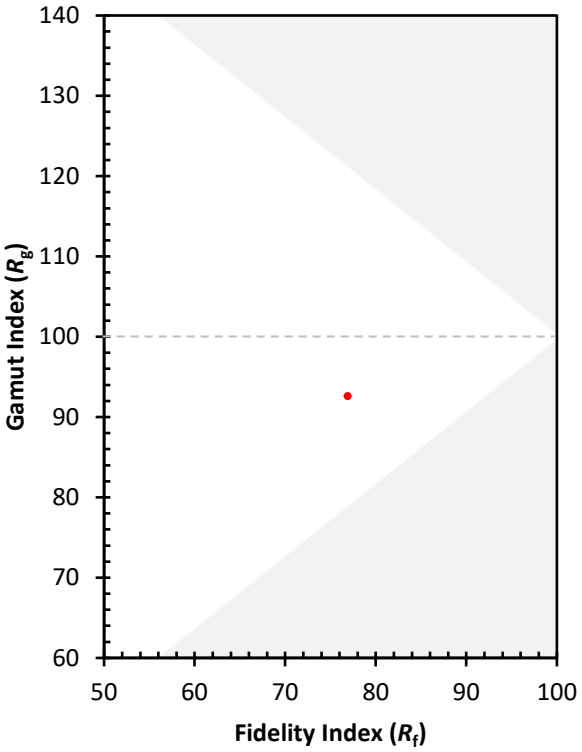
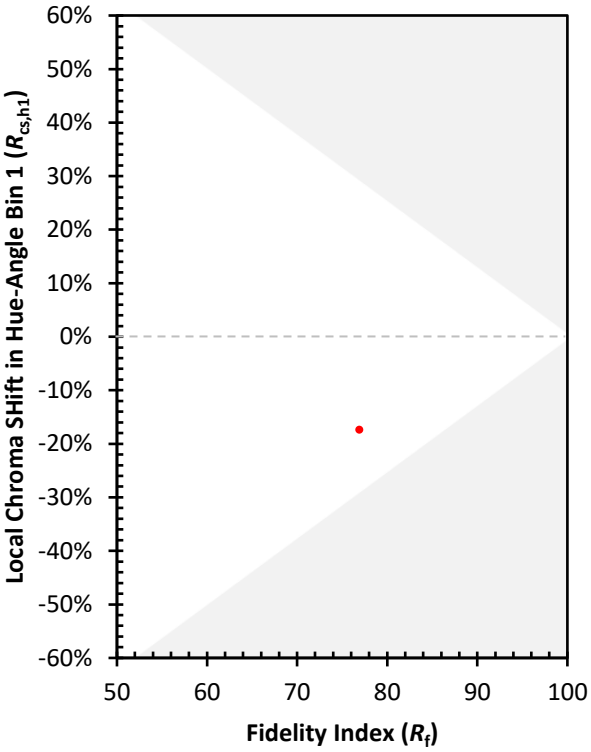
Measure Comparisons





(END OF REPORT)