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: P972317

Luminaire Tested: **GKO-PB2E-730-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:	P972317
Test Lab:	INNOVATION CENTER(G1)
Issue Date:	02/27/2025
Manufacturer:	COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line:	McGRAW-EDISON
Catalog Number:	GKO-PB2E-730-U-T2R
Description:	GEKKO WALL PACK 12000LM PACKAGE 70CRI 3000K FIXTURE w/ TYPE II ROADWAY DISTRIBUTION OPTIC
Light Source:	(20) 3000K CCT, 70 CRI LEDS
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	12193.6 lumens
Efficiency:	N/A
Efficacy:	116.5 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

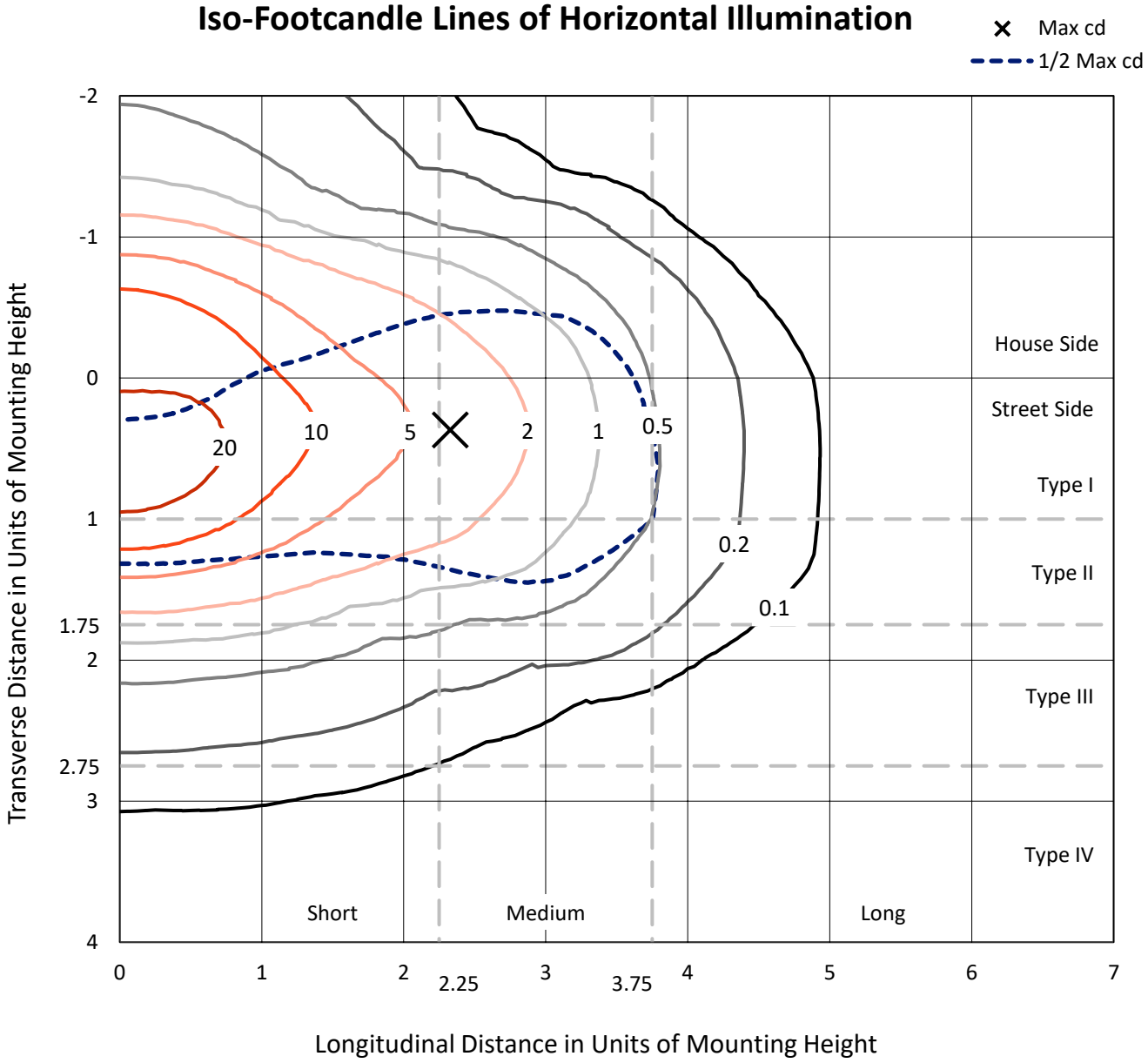
Input Watts (W):	104.7
Input Voltage (V):	120
Input Current (Ain):	NR
Voltage Rise (V):	NR
Power Factor:	0.97
Total Harmonic Distortion (THDi):	6%
Frequency (hertz):	60
Stabilization Time:	NR
Operation Time:	NR
Ambient Temperature (°C):	NR
Test Distance:	28.75 FT

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

Scaled Data Report

REPORT NUMBER: P972317
CATALOG NUMBER: GKO-PB2E-730-U-T2R

Iso-Footcandle Lines of Horizontal Illumination



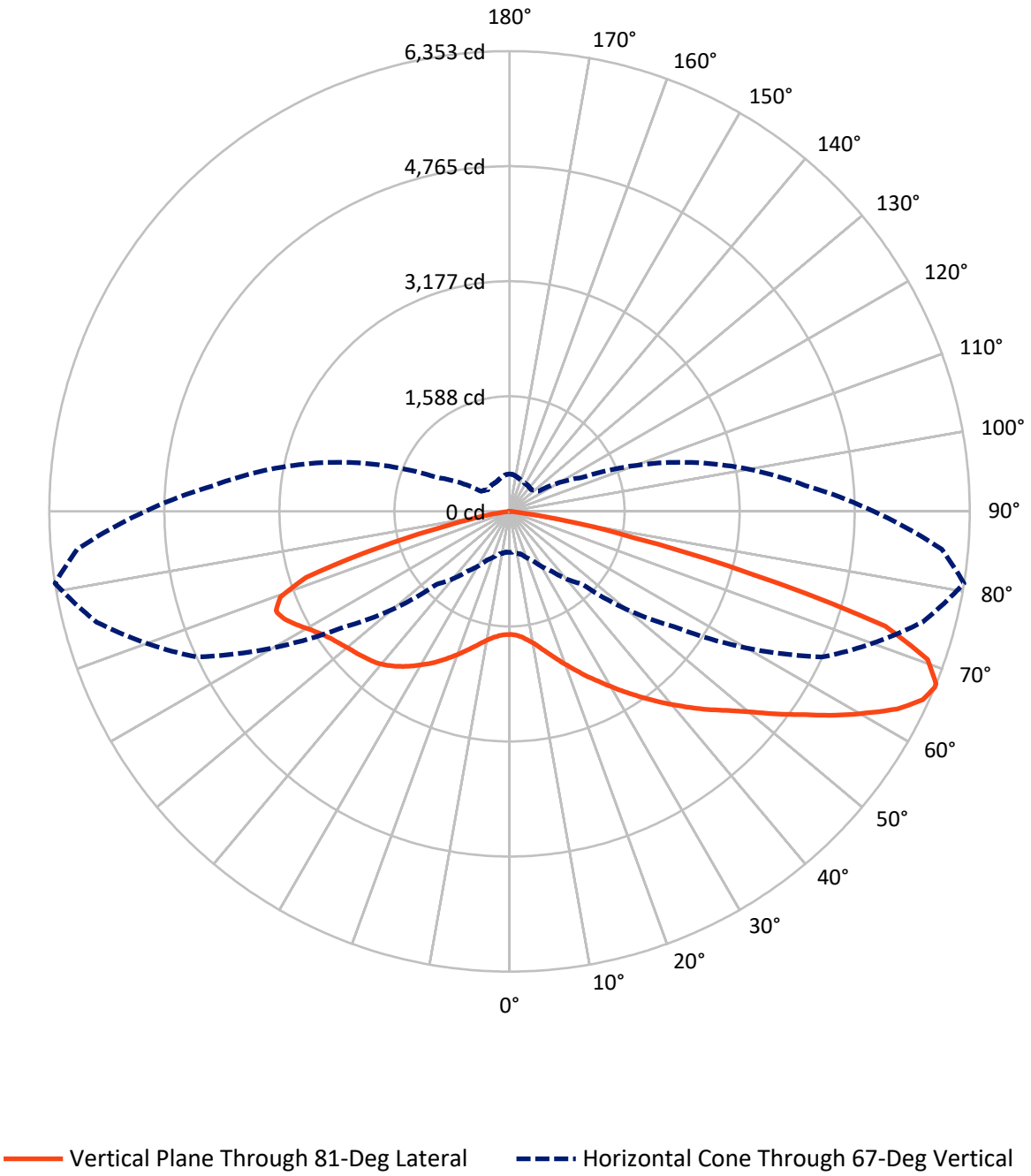
Based on 10 foot mounting height. Maximum calculated value = 32.7 fc
Type II - Medium - N/A

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

Scaled Data Report

REPORT NUMBER: P972317
CATALOG NUMBER: GKO-PB2E-730-U-T2R

Luminous Intensity Polar Plot



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

Scaled Data Report

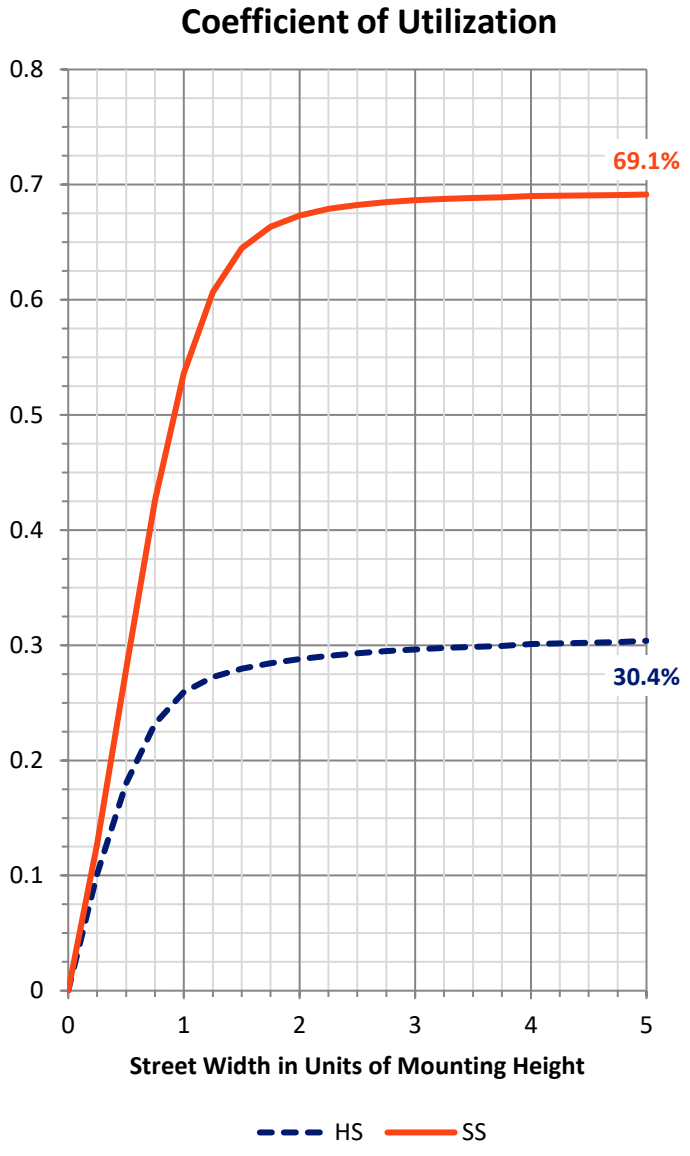
REPORT NUMBER: P972317
CATALOG NUMBER: GKO-PB2E-730-U-T2R

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3765.3	0.0	3765.3
	% Fixture	30.9	0.0	30.9
Street Side	Lumens	8428.3	0.0	8428.3
	% Fixture	69.1	0.0	69.1
Total	Lumens	12193.6	0.0	12193.6
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	175.9	1.4
10°-20°	636.9	5.2
20°-30°	1290.1	10.6
30°-40°	2034.3	16.7
40°-50°	2498.3	20.5
50°-60°	2386.7	19.6
60°-70°	2001.5	16.4
70°-80°	1060.3	8.7
80°-90°	109.5	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°	12193.6	100.0
0°-180°	12193.6	100.0



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

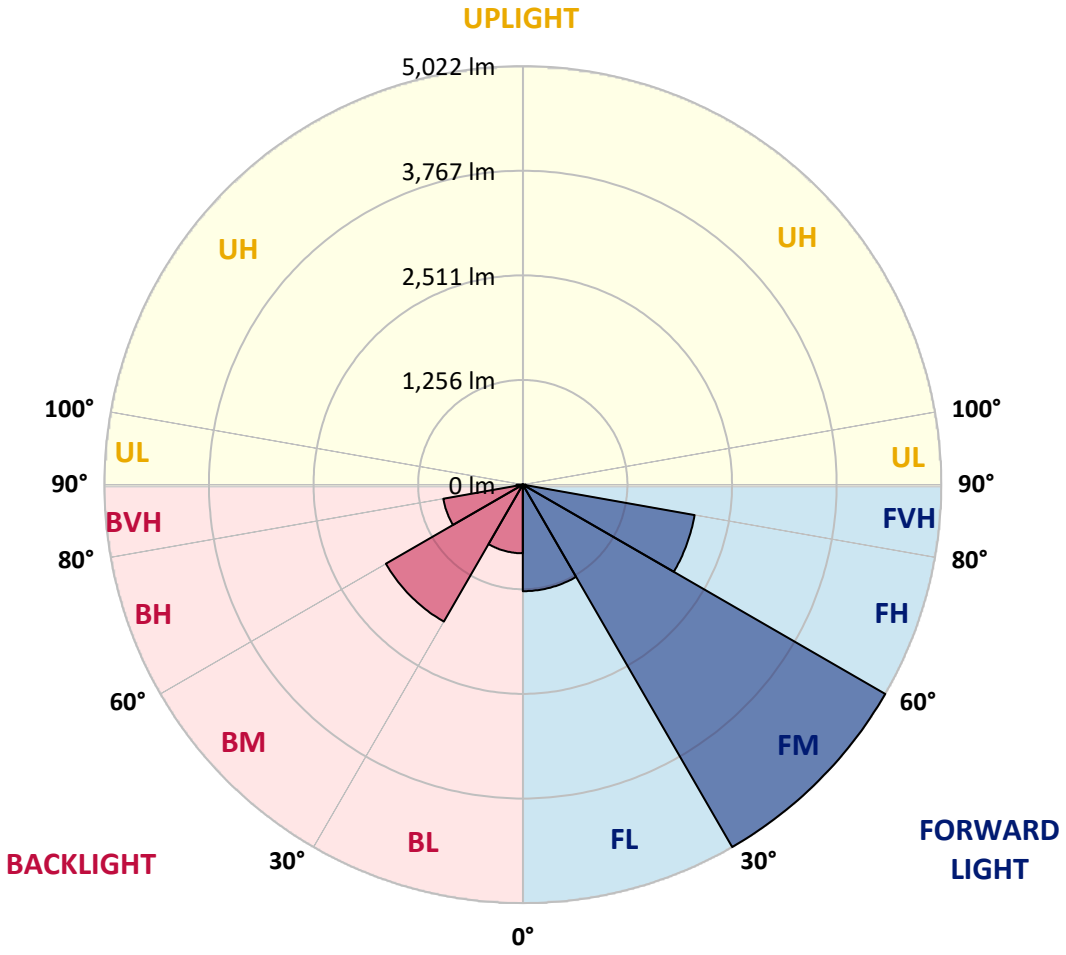
Scaled Data Report

REPORT NUMBER: P972317
CATALOG NUMBER: GKO-PB2E-730-U-T2R

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	1279.0	10.5			
FM	(30°-60°)	5022.1	41.2			
FH	(60°-80°)	2093.2	17.2			G2/5000
FVH	(80°-90°)	34.0	0.3			G1/100
BL	(0°-30°)	824.0	6.8	B2/1000		
BM	(30°-60°)	1897.3	15.6	B2/2500		
BH	(60°-80°)	968.6	7.9	B2/1000		G2/1000
BVH	(80°-90°)	75.5	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



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

Scaled Data Report

REPORT NUMBER: P972317
CATALOG NUMBER: GKO-PB2E-730-U-T2R

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	81°	85°
0°	1698.5	1698.5	1698.5	1698.5	1698.5	1698.5	1698.5	1698.5	1698.5	*1698.5*	1698.5
2.5°	1796.5	1801.2	1791.9	1789.5	1780.2	1766.2	1749.9	1738.2	1719.5	*1710.2*	1705.5
5°	1966.9	1957.5	1950.5	1938.9	1906.2	1878.2	1831.5	1798.9	1763.9	*1740.5*	1733.5
7.5°	2174.5	2179.2	2155.9	2125.5	2078.9	2022.9	1948.2	1887.5	1822.2	*1791.9*	1777.9
10°	2400.8	2419.5	2396.2	2358.8	2270.2	2186.2	2095.2	1990.2	1901.5	*1854.9*	1836.2
12.5°	2676.1	2687.8	2657.5	2608.5	2501.2	2375.2	2246.8	2116.2	1999.5	*1941.2*	1908.5
15°	2984.1	2974.8	2944.5	2872.1	2734.5	2594.5	2419.5	2249.2	2111.5	*2039.2*	1992.5
17.5°	3301.4	3289.8	3250.1	3156.8	3000.5	2825.5	2617.8	2403.2	2230.5	*2151.2*	2088.2
20°	3604.8	3593.1	3565.1	3460.1	3271.1	3056.5	2813.8	2580.5	2365.8	*2267.8*	2197.8
22.5°	3940.7	3931.4	3887.1	3758.7	3555.8	3320.1	3037.8	2760.1	2512.8	*2396.2*	2312.2
25°	4304.7	4307.0	4258.0	4078.4	3849.7	3574.4	3278.1	2963.1	2678.5	*2531.5*	2435.8
27.5°	4729.3	4727.0	4643.0	4449.4	4162.4	3845.1	3516.1	3175.4	2841.8	*2669.1*	2559.5
30°	5114.3	5105.0	5011.7	4818.0	4486.7	4129.7	3768.1	3380.8	3026.1	*2820.8*	2687.8
32.5°	5399.0	5401.3	5324.3	5112.0	4787.7	4407.4	4003.7	3611.8	3203.4	*2984.1*	2837.1
35°	5604.3	5606.6	5532.0	5350.0	5046.7	4666.3	4253.4	3828.7	3401.8	*3152.1*	2993.5
37.5°	5669.6	5669.6	5620.6	5478.3	5231.0	4899.7	4498.4	4076.1	3600.1	*3334.1*	3152.1
40°	5580.9	5587.9	5585.6	5492.3	5322.0	5060.7	4724.7	4314.0	3821.7	*3513.8*	3313.1
42.5°	5380.3	5385.0	5392.0	5357.0	5303.3	5147.0	4906.7	4556.7	4043.4	*3709.7*	3471.8
45°	5049.0	5067.7	5102.6	5116.6	5137.6	5126.0	5018.7	4783.0	4290.7	*3905.7*	3628.1
47.5°	4629.0	4659.3	4706.0	4790.0	4906.7	5000.0	5046.7	4958.0	4531.0	*4108.7*	3803.1
50°	4045.7	4078.4	4204.4	4379.4	4610.3	4792.3	4969.7	5088.6	4799.3	*4356.0*	3999.1
52.5°	3238.4	3308.4	3520.8	3856.7	4253.4	4524.0	4806.3	5151.6	5072.3	*4647.7*	4232.4
55°	2463.8	2489.5	2762.5	3166.1	3777.4	4234.7	4582.4	5119.0	5329.0	*4953.3*	4498.4
57.5°	1721.9	1749.9	1987.9	2428.8	3105.5	3856.7	4358.4	5009.3	5562.3	*5312.6*	4804.0
60°	1222.6	1252.9	1430.2	1756.9	2412.5	3306.1	4150.7	4869.3	5765.3	*5653.3*	5156.3
62.5°	888.9	905.3	998.6	1273.9	1742.9	2585.2	3854.4	4778.3	5907.6	*6007.9*	5518.0
65°	681.3	697.6	751.3	923.9	1287.9	1889.9	3322.4	4776.0	5944.9	*6269.2*	5830.6
67°	*567.0*	*564.6*	*611.3*	*741.9*	*1005.6*	*1420.9*	*2774.1*	*4757.3*	*5902.9*	*6353.2*	*5989.3*
67.5°	536.6	546.0	583.3	693.0	949.6	1308.9	2655.2	4727.0	5888.9	*6350.9*	6000.9
70°	427.0	429.3	462.0	548.3	714.0	949.6	1910.9	4428.4	5676.6	*6122.2*	5870.3
72.5°	312.6	310.3	359.3	415.3	546.0	690.6	1280.9	3719.1	5217.0	*5424.6*	5219.3
75°	231.0	228.7	254.3	317.3	389.6	515.6	830.6	2426.5	3532.4	*3450.8*	3187.1
77.5°	154.0	158.7	182.0	233.3	277.6	319.6	415.3	1117.6	1945.9	*1759.2*	1693.9
80°	93.3	86.3	102.7	133.0	161.0	163.3	177.3	483.0	835.3	*795.6*	746.6
82.5°	32.7	32.7	39.7	53.7	53.7	53.7	65.3	116.7	165.7	*151.7*	144.7
85°	0.0	0.0	0.0	0.0	4.7	7.0	4.7	9.3	16.3	*18.7*	18.7
87.5°	0.0	0.0	0.0	0.0	0.0	2.3	2.3	4.7	7.0	*9.3*	9.3
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	*0.0*	0.0

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

Scaled Data Report

REPORT NUMBER: P972317
CATALOG NUMBER: GKO-PB2E-730-U-T2R

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1698.5	1698.5	1698.5	1698.5	1698.5	1698.5	1698.5	1698.5	1698.5	1698.5	1698.5
2.5°	1705.5	1705.5	1698.5	1689.2	1684.6	1682.2	1675.2	1665.9	1672.9	1679.9	1679.9
5°	1728.9	1724.2	1710.2	1700.9	1693.9	1693.9	1684.6	1682.2	1689.2	1696.2	1693.9
7.5°	1766.2	1756.9	1740.5	1726.5	1728.9	1731.2	1717.2	1717.2	1724.2	1731.2	1731.2
10°	1817.5	1801.2	1784.9	1773.2	1775.5	1777.9	1763.9	1759.2	1766.2	1773.2	1777.9
12.5°	1882.9	1861.9	1843.2	1831.5	1829.2	1831.5	1817.5	1812.9	1812.9	1817.5	1817.5
15°	1959.9	1936.5	1913.2	1896.9	1892.2	1889.9	1871.2	1854.9	1854.9	1857.2	1857.2
17.5°	2048.5	2015.9	1985.5	1966.9	1955.2	1938.9	1917.9	1894.5	1887.5	1889.9	1889.9
20°	2137.2	2102.2	2062.5	2036.9	2013.5	1985.5	1952.9	1922.5	1908.5	1908.5	1906.2
22.5°	2239.8	2193.2	2139.5	2104.5	2062.5	2015.9	1969.2	1929.5	1915.5	1910.9	1910.9
25°	2344.8	2291.2	2214.2	2160.5	2099.9	2032.2	1971.5	1917.9	1894.5	1885.2	1885.2
27.5°	2452.2	2389.2	2288.8	2211.8	2123.2	2029.9	1948.2	1880.5	1847.9	1836.2	1831.5
30°	2573.5	2482.5	2354.2	2249.2	2127.9	2008.9	1903.9	1824.5	1775.5	1747.5	1749.9
32.5°	2699.5	2585.2	2414.8	2272.5	2120.9	1969.2	1836.2	1735.9	1672.9	1647.2	1637.9
35°	2827.8	2683.1	2468.5	2284.2	2097.5	1908.5	1749.9	1637.9	1567.9	1530.6	1530.6
37.5°	2958.5	2785.8	2505.8	2281.8	2055.5	1829.2	1649.6	1530.6	1448.9	1402.2	1390.6
40°	3086.8	2881.5	2533.8	2263.2	1992.5	1733.5	1542.2	1413.9	1304.2	1243.6	1234.2
42.5°	3212.8	2960.8	2547.8	2232.8	1917.9	1628.6	1420.9	1248.2	1143.3	1087.3	1084.9
45°	3327.1	3023.8	2550.2	2193.2	1819.9	1509.6	1257.6	1091.9	986.9	928.6	928.6
47.5°	3439.1	3093.8	2547.8	2141.9	1712.5	1355.6	1084.9	923.9	828.3	790.9	779.3
50°	3574.4	3163.8	2545.5	2078.9	1574.9	1171.3	916.9	779.3	697.6	660.3	660.3
52.5°	3712.1	3245.4	2550.2	1990.2	1411.6	991.6	767.6	646.3	592.6	569.3	567.0
55°	3889.4	3331.8	2561.8	1885.2	1241.2	816.6	639.3	557.6	520.3	508.6	511.0
57.5°	4104.1	3450.8	2585.2	1761.5	1042.9	669.6	548.3	504.0	494.6	499.3	501.6
60°	4349.0	3597.8	2617.8	1621.6	867.9	557.6	494.6	485.3	494.6	513.3	515.6
62.5°	4633.7	3775.1	2659.8	1465.2	695.3	490.0	471.3	478.3	485.3	515.6	518.0
65°	4885.7	3966.4	2669.1	1280.9	564.6	445.6	457.3	462.0	480.6	515.6	518.0
67°	*5028.0*	*4097.1*	*2606.2*	*1105.9*	*483.0*	*422.3*	*438.6*	*443.3*	*476.0*	*511.0*	*515.6*
67.5°	5044.3	4125.0	2564.2	1061.6	466.6	417.6	434.0	443.3	476.0	511.0	513.3
70°	4995.3	4106.4	2284.2	800.3	385.0	385.0	403.6	424.6	457.3	494.6	511.0
72.5°	4559.0	3744.7	1768.5	543.6	326.6	347.6	375.6	406.0	436.3	480.6	508.6
75°	2881.5	2410.2	1082.6	364.0	273.0	310.3	354.6	389.6	415.3	448.0	466.6
77.5°	1539.9	1192.3	466.6	214.7	214.7	275.3	329.0	361.6	375.6	387.3	399.0
80°	727.9	555.3	226.3	128.3	149.3	214.7	291.6	326.6	331.3	345.3	350.0
82.5°	144.7	126.0	74.7	67.7	98.0	154.0	242.6	282.3	284.6	308.0	312.6
85°	18.7	16.3	11.7	25.7	63.0	114.3	186.7	242.6	247.3	247.3	242.6
87.5°	9.3	7.0	7.0	18.7	46.7	86.3	154.0	203.0	205.3	161.0	156.3
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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

LM-79-2019: Approved Method: Electrical and Photometric Measurements of Solid-State Lighting Products

Report Prepared for

Cooper Lighting Solutions

McGraw-Edison

Report Number: SP2-2501-321-4

Test Date: 04/10/2025

Luminaire Tested: GKO-PB1E-730-U-T4W

Data in this report applies to families of products including GKO-PB1E-730-U-T4W

Report Generated By FNC07603 / LDUCLS01DT447
Version: v7.04

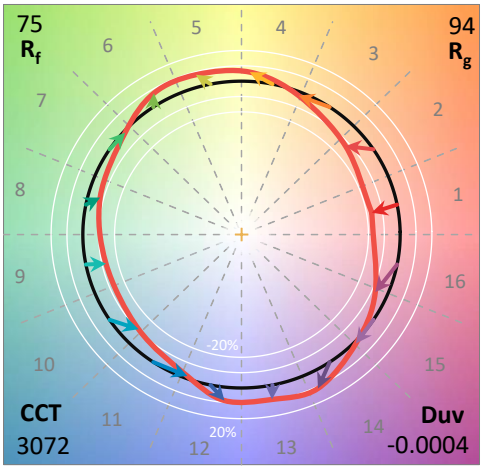
Test Information

Test Method:	LM-79-2019
Report Number:	SP2-2501-321-4
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-730-U-T4W**
Description:	Gekko Wedge Wall Pack Fixture 1 SQ w/ T4W distribution

Spectral Parameters

CCT (K):	3072
CIE u':	0.2482
CIE v':	0.5193
Duv:	-0.0004
CIE x:	0.4313
CIE y:	0.4010
CIE z:	0.1677
Peak Wavelength (nm):	593
Dominant Wavelength (nm):	582
Purity:	49.8225
Rf:	74.7
Rg:	94.2

CRI (Ra):	71.7				
R1:	68.1	R9:	-33.9		
R2:	82.1	R10:	58.6		
R3:	93.4	R11:	62.0		
R4:	67.3	R12:	48.5		
R5:	67.2	R13:	70.7		
R6:	74.9	R14:	96.4		
R7:	77.5	R15:	60.2		
R8:	43.4				



Test Conditions

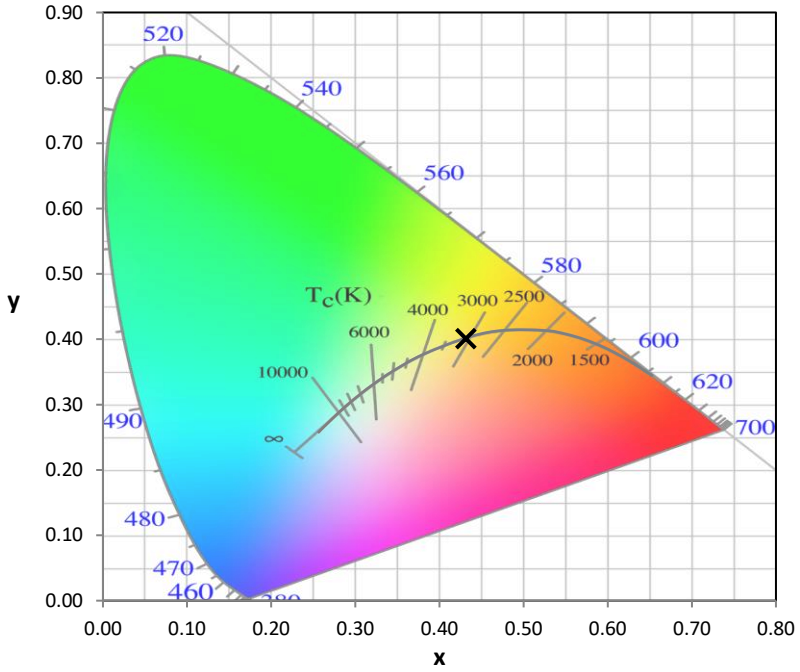
Stabilization Time:	30M
Operation Time:	1H 30M
Sphere Temperature (°C):	25.7

REPORT NUMBER: SP2-2501-321-4

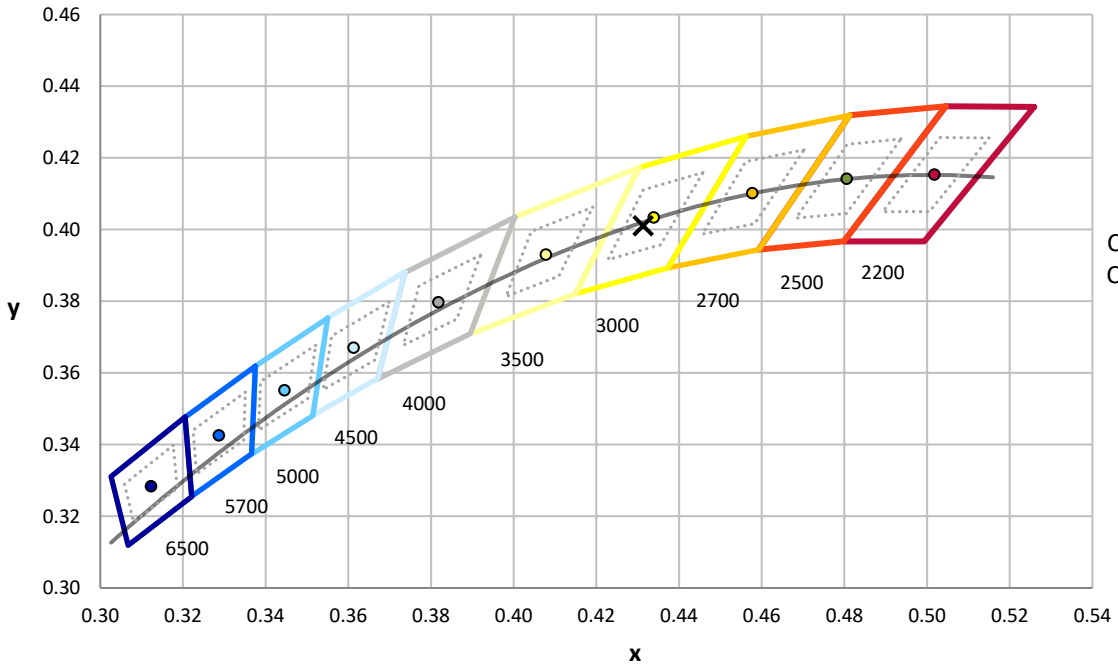
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN2187	1/6/2025	7/6/2025
Power Meter	INXT2011002	1/21/2025	1/21/2026
AC Power Source	IN0458	10/22/2024	10/22/2025
DC Power Source	IN0212	10/22/2024	10/22/2025
Sphere Thermometer	IN4036B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

REPORT NUMBER: SP2-2501-321-4

CIE 1931 Chromaticity Diagram



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

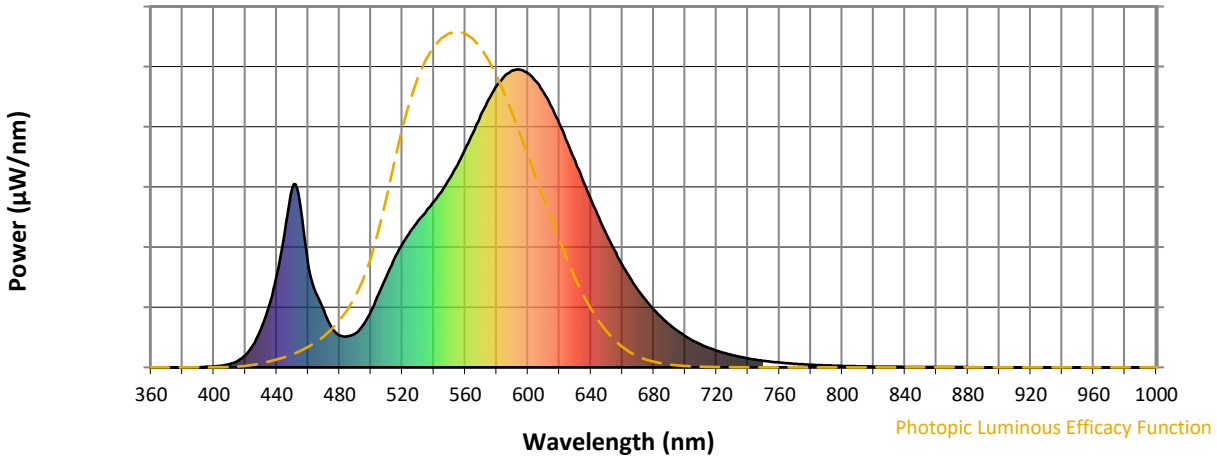


CCT = 3072K
CIE x = 0.4313
CIE y = 0.4010
Duv = -0.0004

Point lies inside the ANSI 3000K 4-step quadrangle

REPORT NUMBER: SP2-2501-321-4

Photopic Flux vs. Wavelength

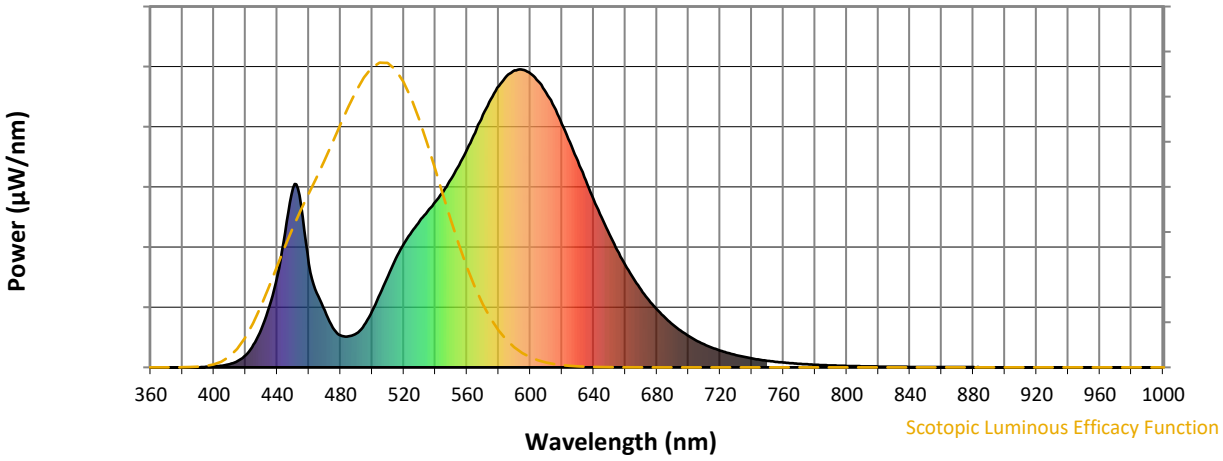


Photopic Lumens: NR

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	114	NR	620	817	NR	750	22	NR	880	1	NR
365	0	NR	495	141	NR	625	756	NR	755	19	NR	885	1	NR
370	0	NR	500	189	NR	630	693	NR	760	16	NR	890	0	NR
375	0	NR	505	247	NR	635	628	NR	765	14	NR	895	0	NR
380	0	NR	510	307	NR	640	564	NR	770	12	NR	900	0	NR
385	0	NR	515	366	NR	645	504	NR	775	10	NR	905	0	NR
390	0	NR	520	415	NR	650	446	NR	780	9	NR	910	0	NR
395	2	NR	525	455	NR	655	393	NR	785	8	NR	915	0	NR
400	3	NR	530	491	NR	660	344	NR	790	7	NR	920	0	NR
405	6	NR	535	523	NR	665	300	NR	795	6	NR	925	0	NR
410	11	NR	540	556	NR	670	260	NR	800	5	NR	930	0	NR
415	21	NR	545	591	NR	675	226	NR	805	4	NR	935	0	NR
420	41	NR	550	632	NR	680	195	NR	810	4	NR	940	0	NR
425	76	NR	555	679	NR	685	167	NR	815	3	NR	945	0	NR
430	129	NR	560	732	NR	690	144	NR	820	3	NR	950	0	NR
435	205	NR	565	787	NR	695	123	NR	825	2	NR	955	0	NR
440	307	NR	570	847	NR	700	105	NR	830	2	NR	960	0	NR
445	451	NR	575	900	NR	705	90	NR	835	2	NR	965	0	NR
450	603	NR	580	944	NR	710	77	NR	840	2	NR	970	0	NR
455	544	NR	585	977	NR	715	66	NR	845	1	NR	975	0	NR
460	348	NR	590	997	NR	720	56	NR	850	1	NR	980	0	NR
465	249	NR	595	998	NR	725	48	NR	855	1	NR	985	0	NR
470	191	NR	600	986	NR	730	41	NR	860	1	NR	990	0	NR
475	133	NR	605	960	NR	735	35	NR	865	1	NR	995	0	NR
480	107	NR	610	921	NR	740	30	NR	870	1	NR	1000	0	NR
485	104	NR	615	874	NR	745	26	NR	875	1	NR			

REPORT NUMBER: SP2-2501-321-4

Scotopic Flux vs. Wavelength

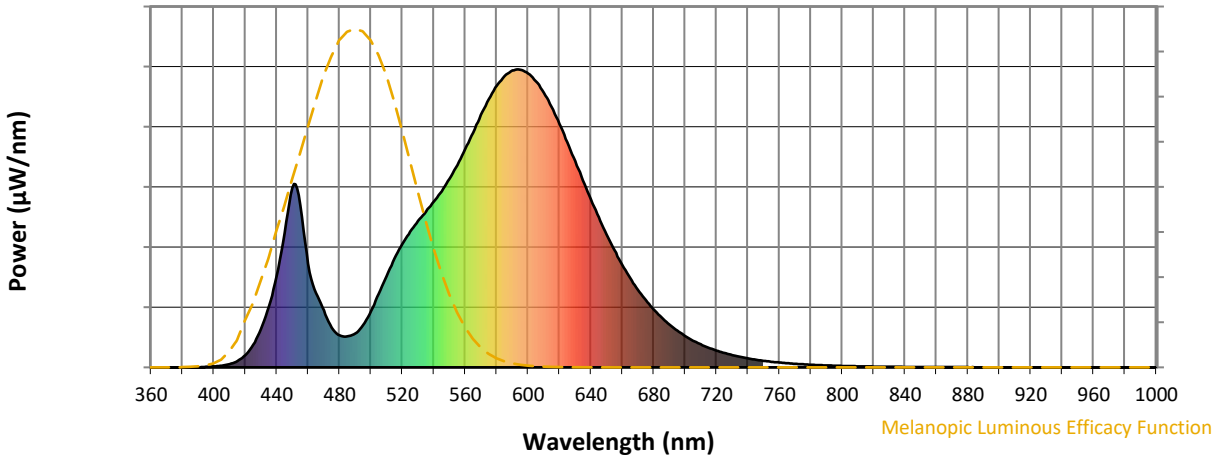


Scotopic Lumens: NR **S/P: 1.24**

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	114	NR	620	817	NR	750	22	NR	880	1	NR
365	0	NR	495	141	NR	625	756	NR	755	19	NR	885	1	NR
370	0	NR	500	189	NR	630	693	NR	760	16	NR	890	0	NR
375	0	NR	505	247	NR	635	628	NR	765	14	NR	895	0	NR
380	0	NR	510	307	NR	640	564	NR	770	12	NR	900	0	NR
385	0	NR	515	366	NR	645	504	NR	775	10	NR	905	0	NR
390	0	NR	520	415	NR	650	446	NR	780	9	NR	910	0	NR
395	2	NR	525	455	NR	655	393	NR	785	8	NR	915	0	NR
400	3	NR	530	491	NR	660	344	NR	790	7	NR	920	0	NR
405	6	NR	535	523	NR	665	300	NR	795	6	NR	925	0	NR
410	11	NR	540	556	NR	670	260	NR	800	5	NR	930	0	NR
415	21	NR	545	591	NR	675	226	NR	805	4	NR	935	0	NR
420	41	NR	550	632	NR	680	195	NR	810	4	NR	940	0	NR
425	76	NR	555	679	NR	685	167	NR	815	3	NR	945	0	NR
430	129	NR	560	732	NR	690	144	NR	820	3	NR	950	0	NR
435	205	NR	565	787	NR	695	123	NR	825	2	NR	955	0	NR
440	307	NR	570	847	NR	700	105	NR	830	2	NR	960	0	NR
445	451	NR	575	900	NR	705	90	NR	835	2	NR	965	0	NR
450	603	NR	580	944	NR	710	77	NR	840	2	NR	970	0	NR
455	544	NR	585	977	NR	715	66	NR	845	1	NR	975	0	NR
460	348	NR	590	997	NR	720	56	NR	850	1	NR	980	0	NR
465	249	NR	595	998	NR	725	48	NR	855	1	NR	985	0	NR
470	191	NR	600	986	NR	730	41	NR	860	1	NR	990	0	NR
475	133	NR	605	960	NR	735	35	NR	865	1	NR	995	0	NR
480	107	NR	610	921	NR	740	30	NR	870	1	NR	1000	0	NR
485	104	NR	615	874	NR	745	26	NR	875	1	NR			

REPORT NUMBER: SP2-2501-321-4

Melanopic Flux vs. Wavelength



Melanopic Lumens: NR **M/P: 2.3**

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	114	NR	620	817	NR	750	22	NR	880	1	NR
365	0	NR	495	141	NR	625	756	NR	755	19	NR	885	1	NR
370	0	NR	500	189	NR	630	693	NR	760	16	NR	890	0	NR
375	0	NR	505	247	NR	635	628	NR	765	14	NR	895	0	NR
380	0	NR	510	307	NR	640	564	NR	770	12	NR	900	0	NR
385	0	NR	515	366	NR	645	504	NR	775	10	NR	905	0	NR
390	0	NR	520	415	NR	650	446	NR	780	9	NR	910	0	NR
395	2	NR	525	455	NR	655	393	NR	785	8	NR	915	0	NR
400	3	NR	530	491	NR	660	344	NR	790	7	NR	920	0	NR
405	6	NR	535	523	NR	665	300	NR	795	6	NR	925	0	NR
410	11	NR	540	556	NR	670	260	NR	800	5	NR	930	0	NR
415	21	NR	545	591	NR	675	226	NR	805	4	NR	935	0	NR
420	41	NR	550	632	NR	680	195	NR	810	4	NR	940	0	NR
425	76	NR	555	679	NR	685	167	NR	815	3	NR	945	0	NR
430	129	NR	560	732	NR	690	144	NR	820	3	NR	950	0	NR
435	205	NR	565	787	NR	695	123	NR	825	2	NR	955	0	NR
440	307	NR	570	847	NR	700	105	NR	830	2	NR	960	0	NR
445	451	NR	575	900	NR	705	90	NR	835	2	NR	965	0	NR
450	603	NR	580	944	NR	710	77	NR	840	2	NR	970	0	NR
455	544	NR	585	977	NR	715	66	NR	845	1	NR	975	0	NR
460	348	NR	590	997	NR	720	56	NR	850	1	NR	980	0	NR
465	249	NR	595	998	NR	725	48	NR	855	1	NR	985	0	NR
470	191	NR	600	986	NR	730	41	NR	860	1	NR	990	0	NR
475	133	NR	605	960	NR	735	35	NR	865	1	NR	995	0	NR
480	107	NR	610	921	NR	740	30	NR	870	1	NR	1000	0	NR
485	104	NR	615	874	NR	745	26	NR	875	1	NR			

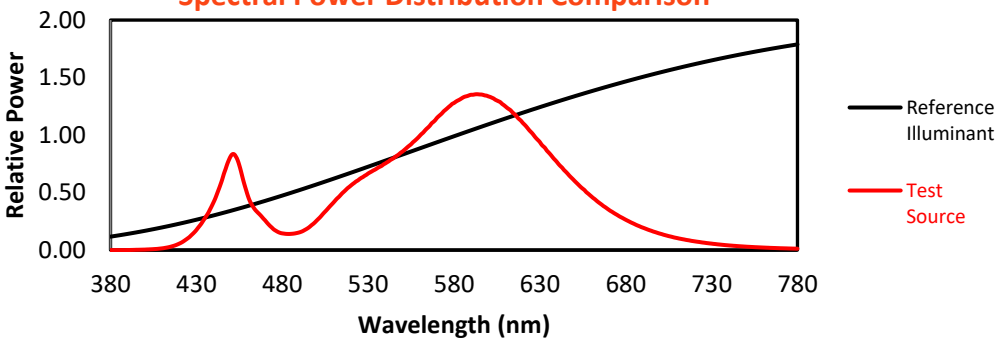
REPORT NUMBER: SP2-2501-321-4

TM-30-18

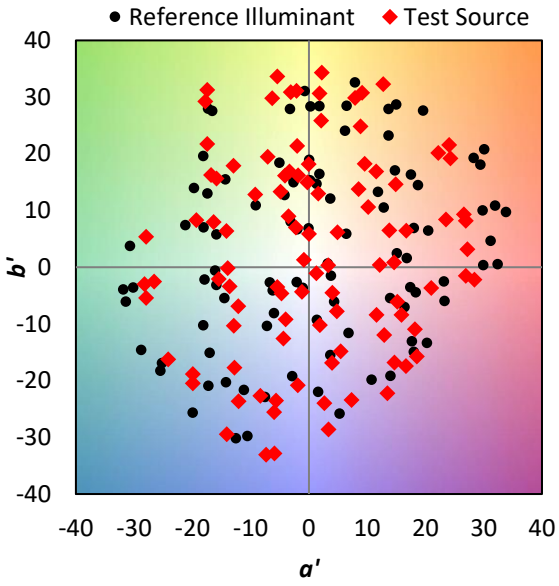
Summary

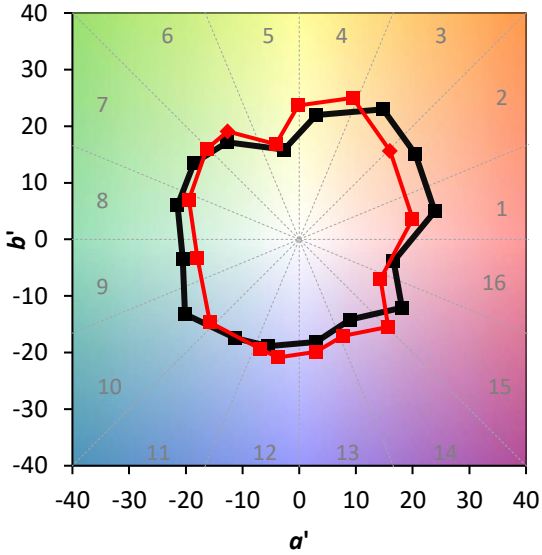
R_f = 74.7
R_g = 94.2
CIE R_a = 71.7
R_9 = -33.9

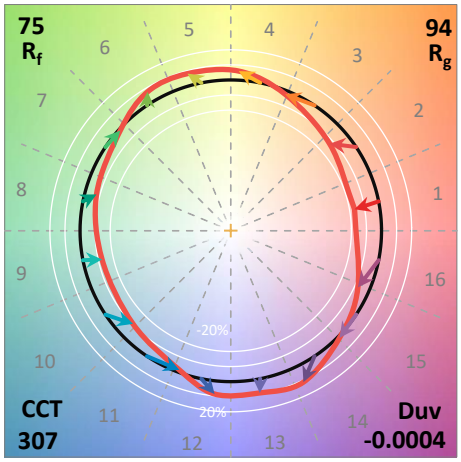
Spectral Power Distribution Comparison

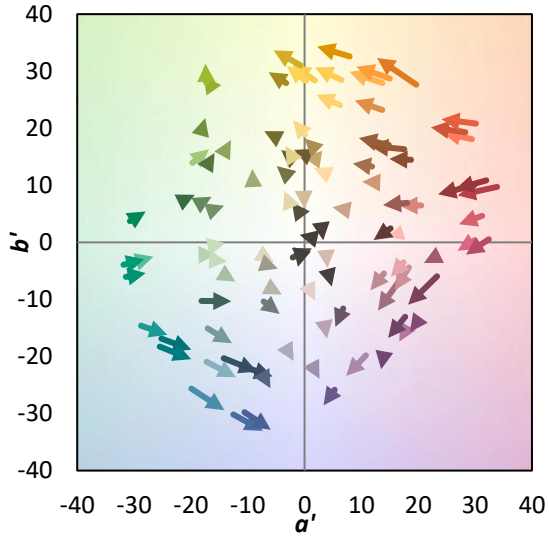


Color Vector Graphics







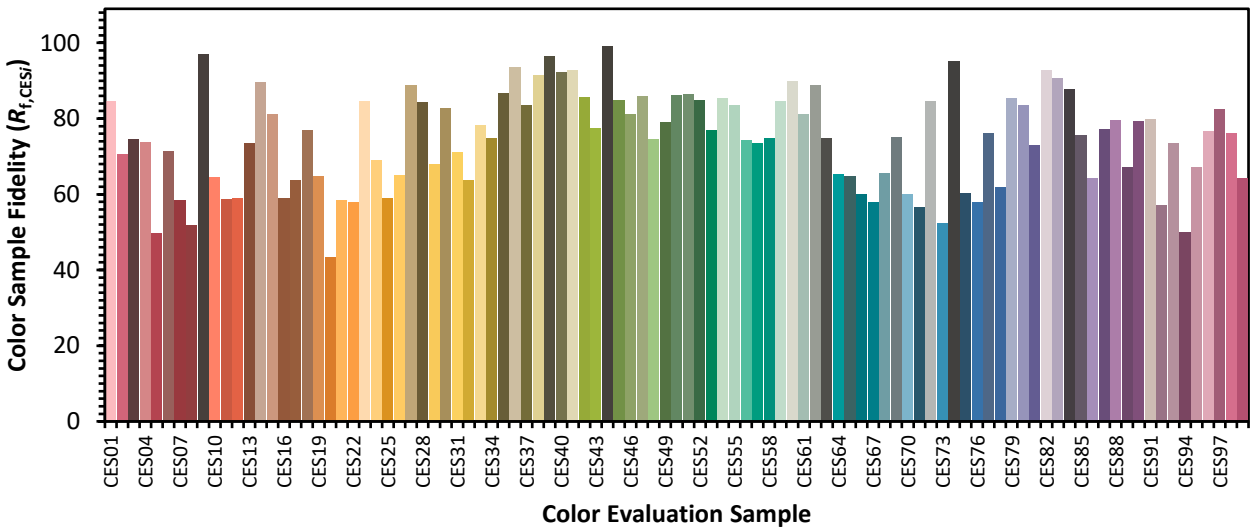


REPORT NUMBER: SP2-2501-321-4

TM-30-18

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

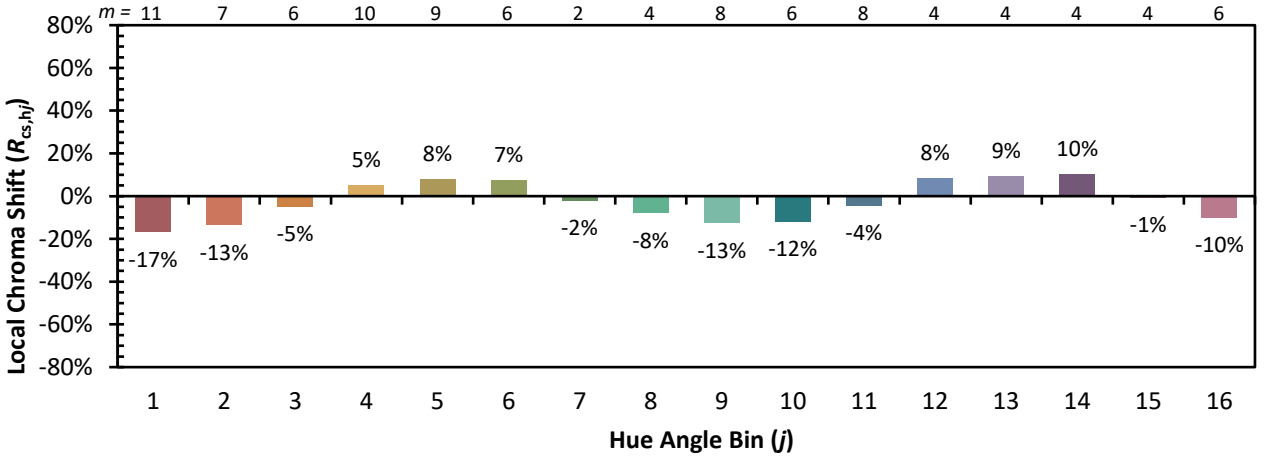
CES01 = 86	CES26 = 65	CES51 = 86	CES76 = 58
CES02 = 62	CES27 = 89	CES52 = 85	CES77 = 76
CES03 = 31	CES28 = 84	CES53 = 77	CES78 = 62
CES04 = 71	CES29 = 68	CES54 = 85	CES79 = 85
CES05 = 49	CES30 = 83	CES55 = 84	CES80 = 84
CES06 = 51	CES31 = 71	CES56 = 74	CES81 = 73
CES07 = 41	CES32 = 64	CES57 = 74	CES82 = 93
CES08 = 40	CES33 = 78	CES58 = 75	CES83 = 91
CES09 = 29	CES34 = 75	CES59 = 85	CES84 = 88
CES10 = 76	CES35 = 87	CES60 = 90	CES85 = 76
CES11 = 59	CES36 = 94	CES61 = 81	CES86 = 64
CES12 = 65	CES37 = 84	CES62 = 89	CES87 = 77
CES13 = 43	CES38 = 92	CES63 = 75	CES88 = 80
CES14 = 74	CES39 = 96	CES64 = 65	CES89 = 67
CES15 = 71	CES40 = 92	CES65 = 65	CES90 = 79
CES16 = 47	CES41 = 93	CES66 = 60	CES91 = 80
CES17 = 50	CES42 = 86	CES67 = 58	CES92 = 57
CES18 = 56	CES43 = 78	CES68 = 66	CES93 = 74
CES19 = 73	CES44 = 99	CES69 = 75	CES94 = 50
CES20 = 66	CES45 = 85	CES70 = 60	CES95 = 67
CES21 = 87	CES46 = 81	CES71 = 57	CES96 = 77
CES22 = 79	CES47 = 86	CES72 = 85	CES97 = 83
CES23 = 92	CES48 = 75	CES73 = 52	CES98 = 76
CES24 = 91	CES49 = 79	CES74 = 95	CES99 = 64
CES25 = 73	CES50 = 86	CES75 = 60	

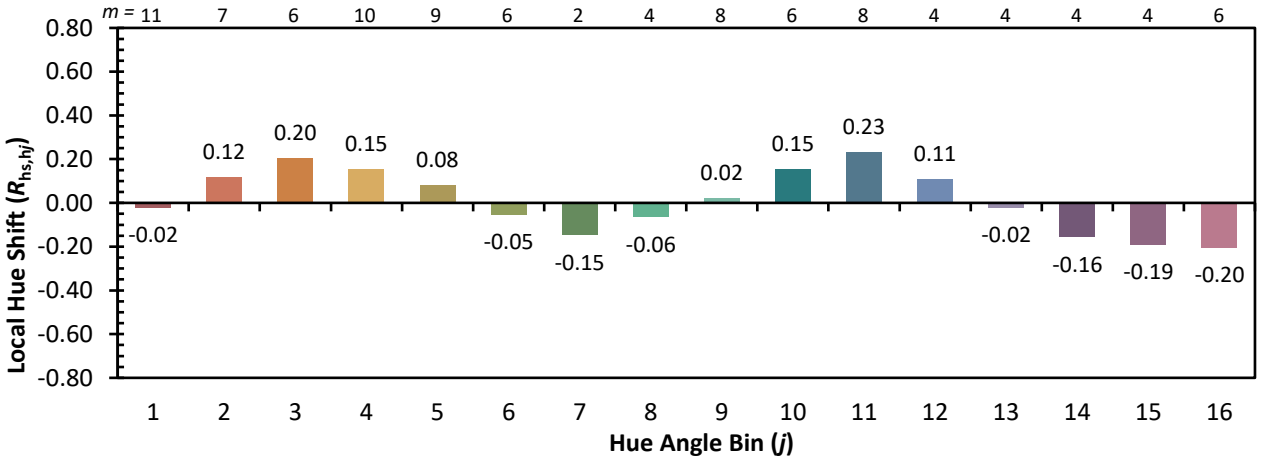


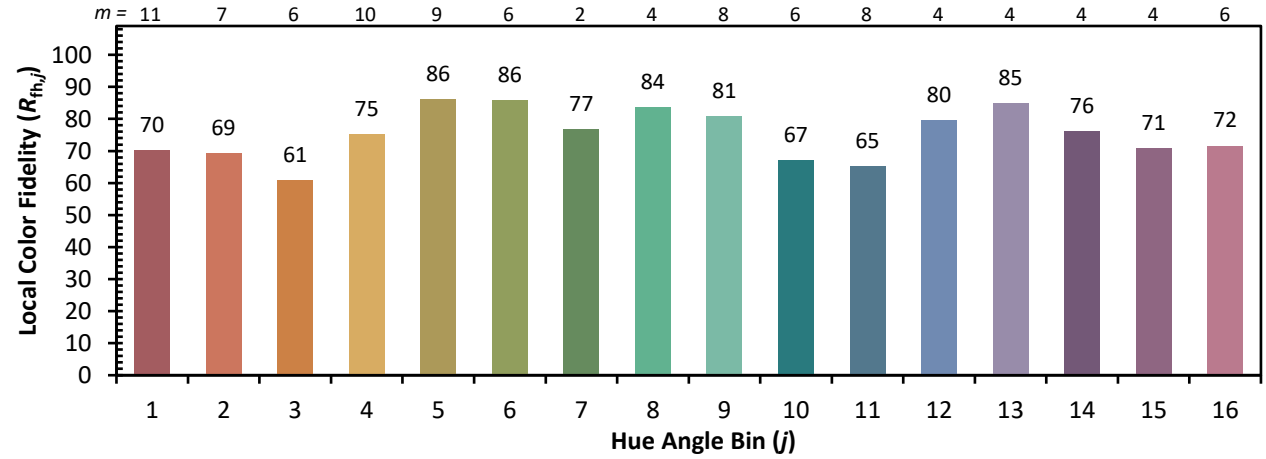
REPORT NUMBER: SP2-2501-321-4

TM-30-18

Color Rendition by Hue-Angle Bin



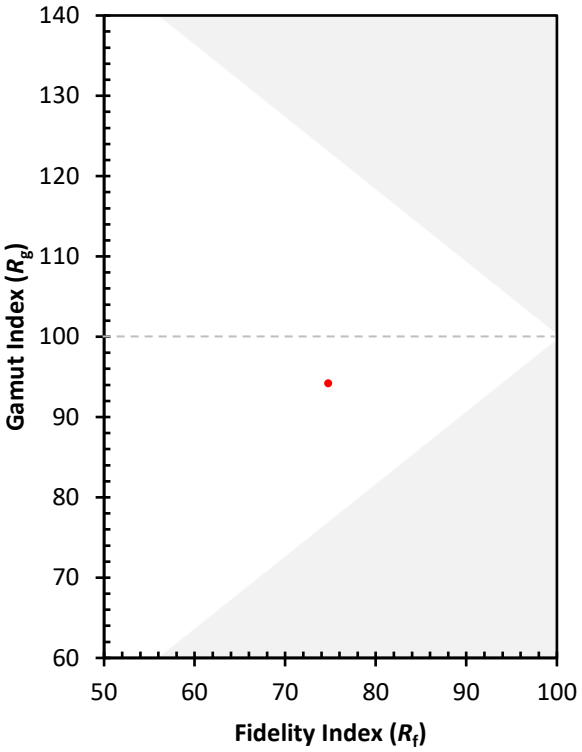


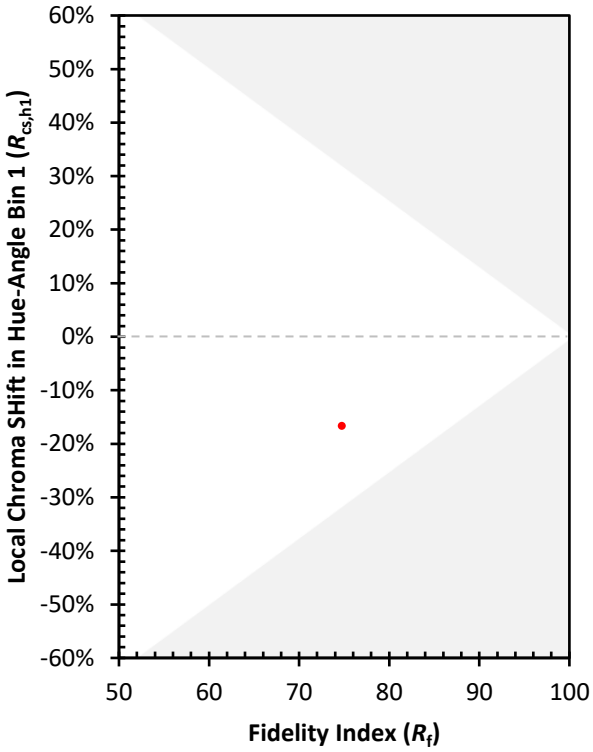


REPORT NUMBER: SP2-2501-321-4

TM-30-18

Measure Comparisons





(END OF REPORT)