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: P972412

Luminaire Tested: **GKO-PB1E-730-U-T1**

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:	P972412
Test Lab:	INNOVATION CENTER(G1)
Issue Date:	02/27/2025
Manufacturer:	COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line:	McGRAW-EDISON
Catalog Number:	GKO-PB1E-730-U-T1
Description:	GEKKO WALL PACK 5000LM PACKAGE 70CRI 3000K FIXTURE w/ TYPE I DISTRIBUTION OPTIC
Light Source:	(10) 3000K CCT, 70 CRI LEDS
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	5100.4 lumens
Efficiency:	N/A
Efficacy:	131.8 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

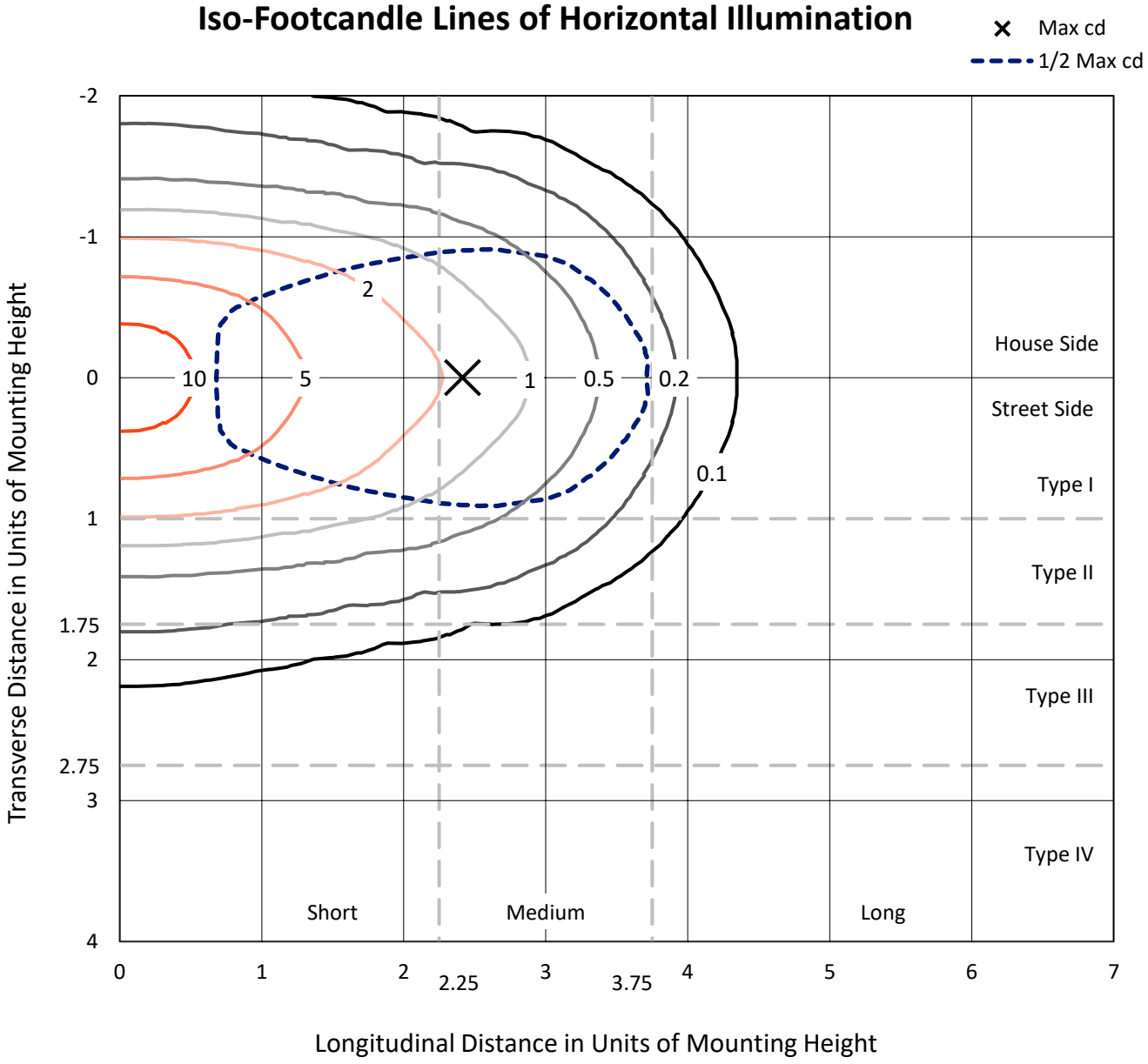
Input Watts (W):	38.7
Input Voltage (V):	120
Input Current (Ain):	NR
Voltage Rise (V):	NR
Power Factor:	0.97
Total Harmonic Distortion (THDi):	9%
Frequency (hertz):	60
Stabilization Time:	NR
Operation Time:	NR
Ambient Temperature (°C):	NR
Test Distance:	28.75 FT

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

Scaled Data Report

REPORT NUMBER: P972412
CATALOG NUMBER: GKO-PB1E-730-U-T1

Iso-Footcandle Lines of Horizontal Illumination



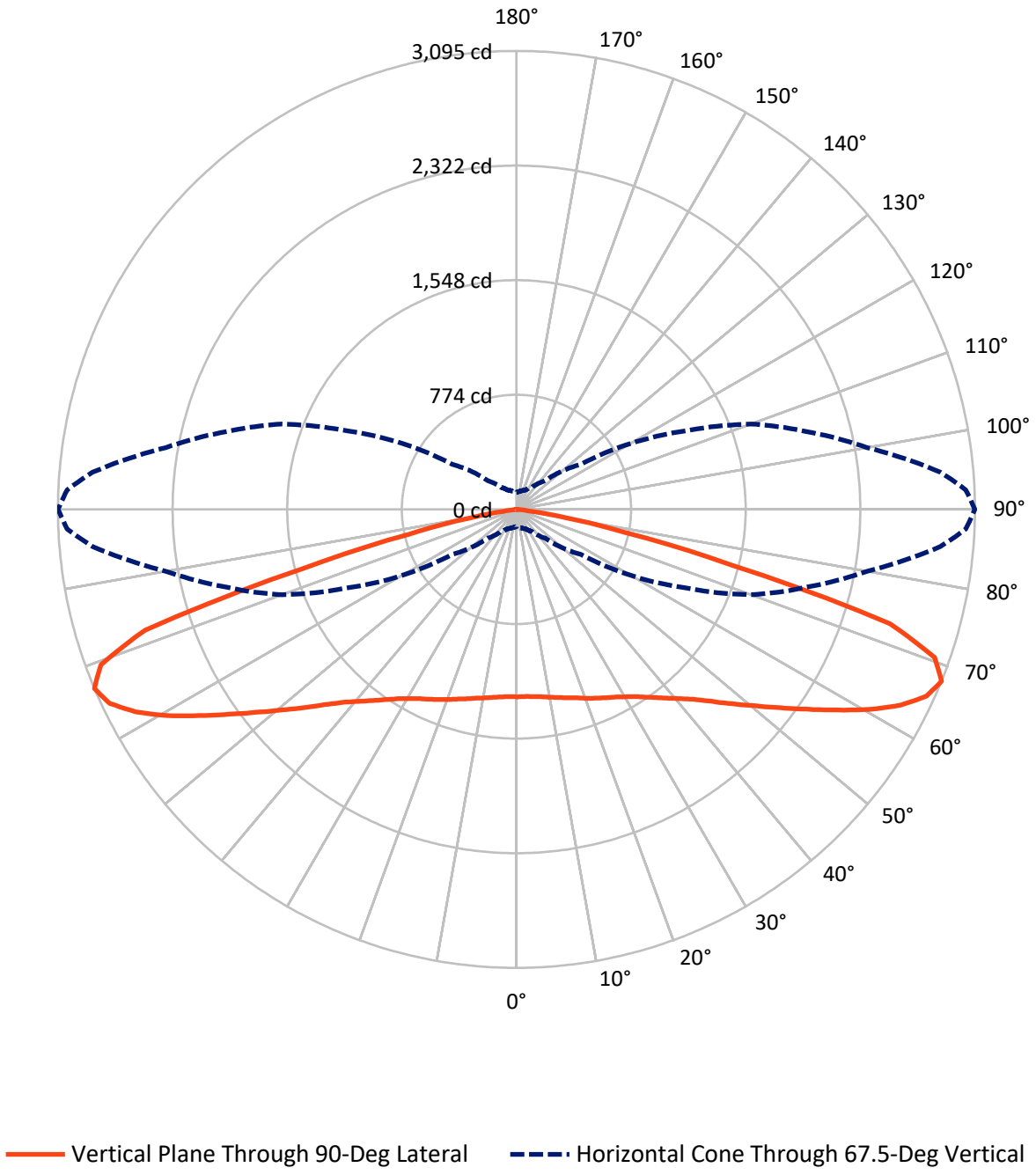
Based on 10 foot mounting height. Maximum calculated value = 12.7 fc
Type I - Short - N/A

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

Scaled Data Report

REPORT NUMBER: P972412
CATALOG NUMBER: GKO-PB1E-730-U-T1

Luminous Intensity Polar Plot



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

Scaled Data Report

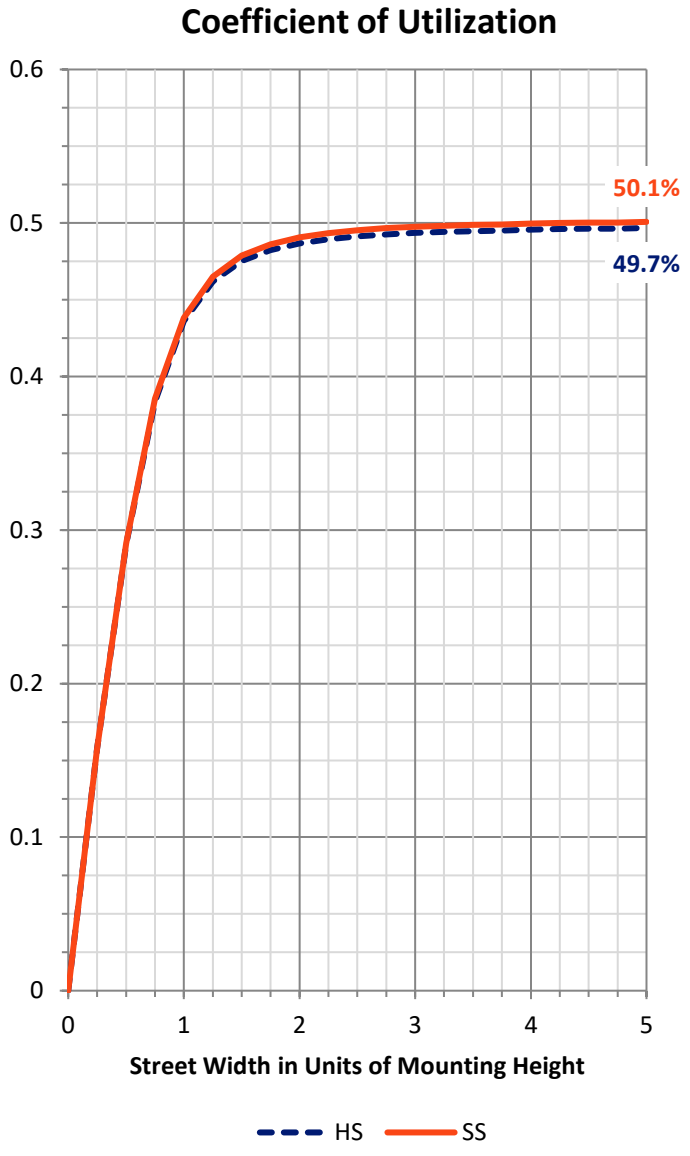
REPORT NUMBER: P972412
CATALOG NUMBER: GKO-PB1E-730-U-T1

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2550.2	0.0	2550.2
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	2550.2	0.0	2550.2
	% Fixture	50.0	0.0	50.0
Total	Lumens	5100.4	0.0	5100.4
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	121.4	2.4
10°-20°	365.8	7.2
20°-30°	608.2	11.9
30°-40°	808.0	15.8
40°-50°	910.9	17.9
50°-60°	936.7	18.4
60°-70°	885.2	17.4
70°-80°	433.3	8.5
80°-90°	31.0	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°	5100.4	100.0
0°-180°	5100.4	100.0



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

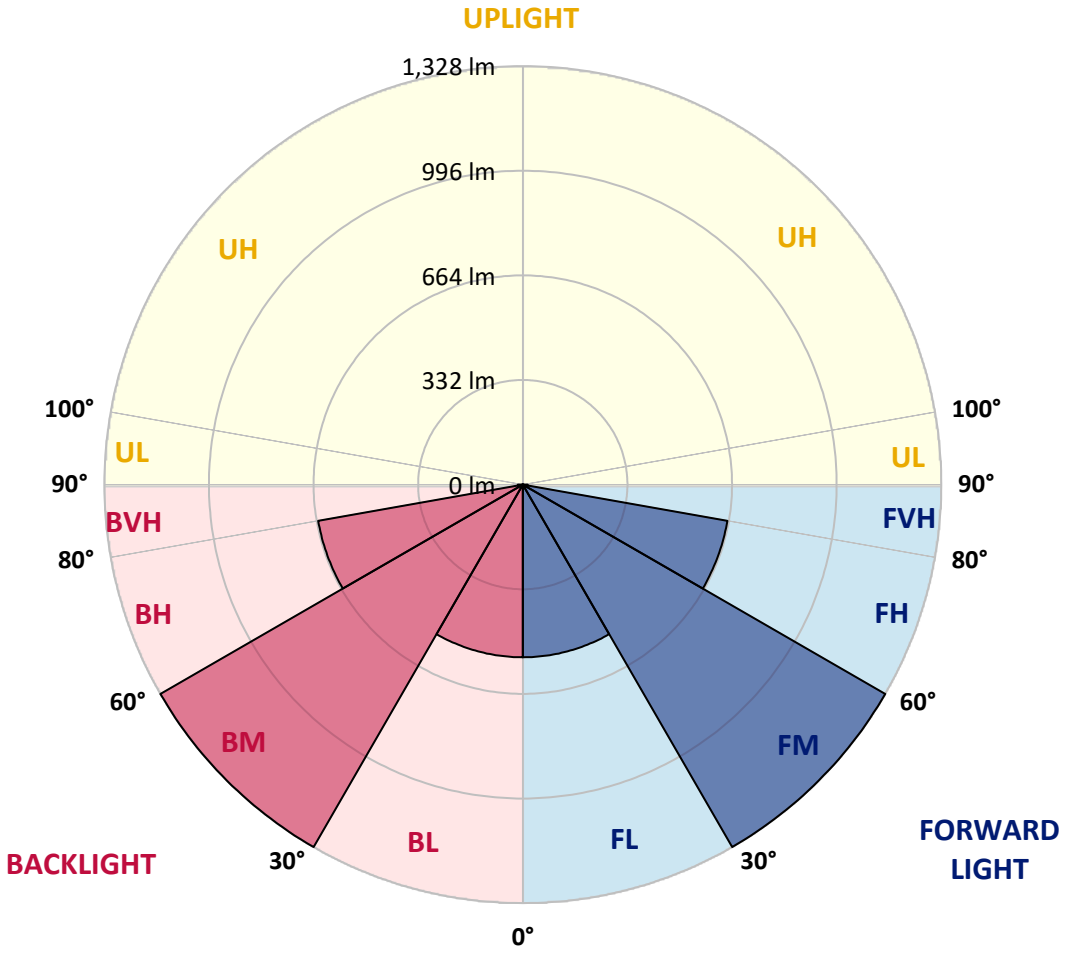
Scaled Data Report

REPORT NUMBER: P972412
CATALOG NUMBER: GKO-PB1E-730-U-T1

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	547.7	10.7			
FM	(30°-60°)	1327.8	26.0			
FH	(60°-80°)	659.3	12.9			G0/660
FVH	(80°-90°)	15.5	0.3			G1/100
BL	(0°-30°)	547.7	10.7	B2/1000		
BM	(30°-60°)	1327.8	26.0	B2/2500		
BH	(60°-80°)	659.3	12.9	B2/1000		G2/1000
BVH	(80°-90°)	15.5	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



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

Scaled Data Report

REPORT NUMBER: P972412
CATALOG NUMBER: GKO-PB1E-730-U-T1

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	70°	75°	80°
0°	1265.6	1265.6	1265.6	1265.6	1265.6	1265.6	1265.6	1265.6	1265.6	1265.6	1265.6
2.5°	1266.6	1268.4	1264.7	1264.7	1266.6	1267.5	1267.5	1268.4	1266.6	1266.6	1265.6
5°	1266.6	1267.5	1265.6	1265.6	1267.5	1270.3	1269.4	1271.3	1271.3	1270.3	1270.3
7.5°	1265.6	1267.5	1265.6	1266.6	1269.4	1275.0	1275.0	1275.0	1276.9	1278.8	1278.8
10°	1264.7	1266.6	1267.5	1268.4	1272.2	1280.7	1282.6	1283.5	1286.3	1289.1	1289.1
12.5°	1260.0	1261.9	1264.7	1268.4	1275.0	1286.3	1290.1	1292.9	1297.6	1300.4	1302.3
15°	1253.4	1254.3	1260.9	1268.4	1278.8	1292.9	1300.4	1305.1	1311.7	1315.5	1318.3
17.5°	1244.0	1244.9	1255.3	1266.6	1281.6	1301.4	1313.6	1321.1	1327.7	1333.3	1337.1
20°	1231.8	1234.6	1246.8	1264.7	1286.3	1309.8	1327.7	1340.8	1347.4	1353.1	1358.7
22.5°	1216.7	1219.6	1234.6	1260.0	1291.0	1321.1	1344.6	1361.5	1370.0	1377.5	1384.1
25°	1194.2	1197.9	1215.8	1248.7	1292.9	1333.3	1363.4	1385.0	1392.6	1402.0	1407.6
27.5°	1159.4	1162.2	1183.8	1226.1	1287.3	1346.5	1385.0	1410.4	1418.9	1429.2	1434.9
30°	1104.8	1110.5	1136.8	1189.5	1273.1	1356.8	1410.4	1435.8	1446.2	1456.5	1464.0
32.5°	1034.3	1042.8	1071.9	1139.6	1245.9	1360.6	1437.7	1466.8	1480.0	1491.3	1500.7
35°	946.9	955.3	990.1	1075.7	1202.6	1353.1	1465.0	1502.6	1518.6	1533.6	1544.9
37.5°	847.2	854.7	897.0	994.8	1140.6	1329.6	1486.6	1542.1	1563.7	1583.4	1598.5
40°	746.6	755.1	801.1	905.5	1065.3	1284.4	1496.0	1585.3	1612.6	1638.0	1656.8
42.5°	637.5	647.9	699.6	810.5	977.9	1222.4	1488.5	1627.6	1661.5	1696.3	1724.5
45°	540.7	542.5	599.0	706.2	882.0	1142.4	1462.1	1668.1	1714.1	1763.0	1803.5
47.5°	447.6	451.3	500.2	606.5	782.3	1052.2	1414.2	1700.0	1773.4	1836.4	1895.6
50°	364.8	369.5	413.7	508.7	682.6	953.5	1349.3	1718.8	1824.2	1909.7	1992.5
52.5°	297.1	302.8	339.4	423.1	582.0	850.0	1269.4	1721.7	1870.2	1983.1	2093.1
55°	247.3	251.1	279.3	346.0	485.2	742.8	1178.2	1707.6	1900.3	2048.9	2195.6
57.5°	208.7	212.5	232.3	284.9	397.7	632.8	1067.2	1674.7	1916.3	2106.2	2299.0
60°	181.5	184.3	198.4	236.0	327.2	529.4	947.8	1616.4	1911.6	2142.0	2384.6
62.5°	161.7	162.7	174.9	201.2	269.9	431.6	813.3	1528.9	1873.1	2146.7	2442.9
65°	143.9	144.8	152.3	171.1	221.9	347.0	673.2	1408.5	1799.7	2113.8	2451.3
67.5°	*116.6*	*118.5*	*129.8*	*143.9*	*182.4*	*274.6*	*530.3*	*1250.6*	*1685.0*	*2028.2*	*2403.4*
70°	93.1	94.0	105.3	121.3	148.6	216.3	407.1	1038.1	1505.4	1889.0	2279.3
72.5°	69.6	71.5	81.8	97.8	121.3	167.4	294.3	785.1	1203.6	1592.8	1984.9
75°	55.5	56.4	60.2	75.2	94.0	126.9	198.4	475.8	725.0	985.4	1216.7
77.5°	47.0	48.0	48.0	58.3	69.6	85.6	105.3	189.0	306.5	436.3	578.3
80°	38.6	40.4	36.7	43.3	49.8	49.8	48.9	90.3	144.8	205.0	268.9
82.5°	28.2	30.1	28.2	30.1	30.1	27.3	25.4	33.9	46.1	63.0	68.6
85°	19.7	20.7	22.6	20.7	19.7	16.0	12.2	9.4	5.6	6.6	9.4
87.5°	13.2	16.0	18.8	17.9	15.0	12.2	8.5	5.6	2.8	3.8	3.8
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: P972412
CATALOG NUMBER: GKO-PB1E-730-U-T1

CANDELA DISTRIBUTION (continued):

	85°	87.5°	90°
0°	1265.6	1265.6	*1265.6*
2.5°	1266.6	1265.6	*1264.7*
5°	1271.3	1270.3	*1269.4*
7.5°	1277.9	1277.9	*1277.9*
10°	1288.2	1290.1	*1290.1*
12.5°	1301.4	1303.2	*1303.2*
15°	1317.3	1318.3	*1320.2*
17.5°	1337.1	1338.0	*1338.0*
20°	1360.6	1359.7	*1361.5*
22.5°	1384.1	1384.1	*1384.1*
25°	1408.5	1408.5	*1408.5*
27.5°	1436.8	1436.8	*1434.9*
30°	1467.8	1467.8	*1467.8*
32.5°	1505.4	1506.3	*1507.3*
35°	1553.4	1555.2	*1558.1*
37.5°	1607.9	1612.6	*1615.4*
40°	1672.8	1674.7	*1679.4*
42.5°	1745.2	1750.8	*1751.8*
45°	1835.4	1844.8	*1848.6*
47.5°	1941.7	1954.9	*1961.4*
50°	2060.2	2075.2	*2084.6*
52.5°	2189.0	2213.4	*2224.7*
55°	2326.3	2368.6	*2380.8*
57.5°	2481.4	2538.8	*2555.7*
60°	2633.7	2714.6	*2741.9*
62.5°	2763.5	2877.3	*2911.1*
65°	2854.7	2992.0	*3041.8*
67.5°	*2873.5*	*3036.2*	*3095.4*
70°	2760.7	2927.1	*2995.8*
72.5°	2400.6	2551.0	*2636.6*
75°	1418.0	1526.1	*1499.8*
77.5°	711.8	742.8	*747.5*
80°	312.2	331.0	*338.5*
82.5°	77.1	79.0	*89.3*
85°	10.3	12.2	*11.3*
87.5°	3.8	3.8	*4.7*
90°	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

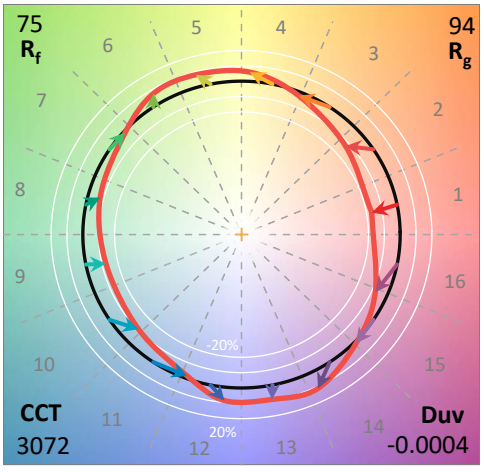
Test Information

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

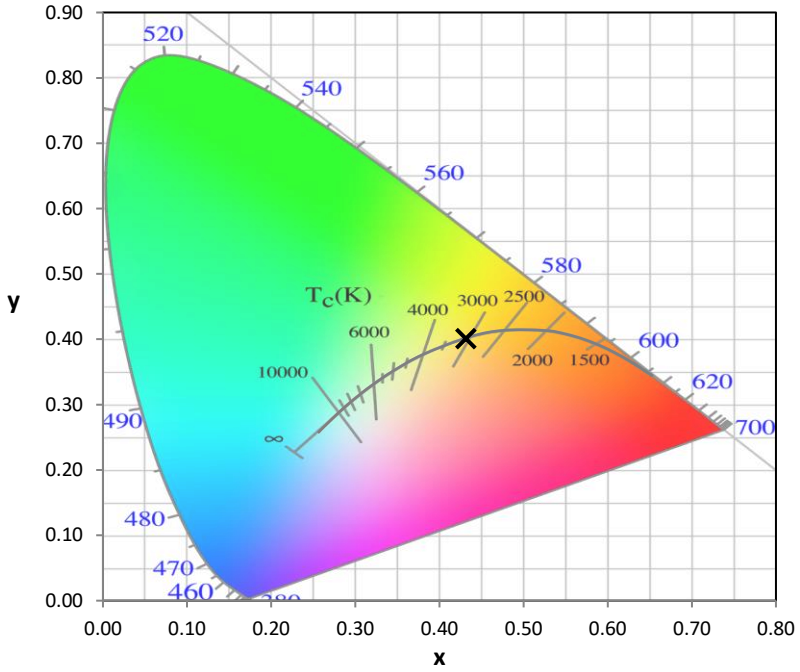
Stabilization Time:	30M
Operation Time:	1H 30M
Sphere Temperature (°C):	25.7

REPORT NUMBER: SP2-2501-321-4

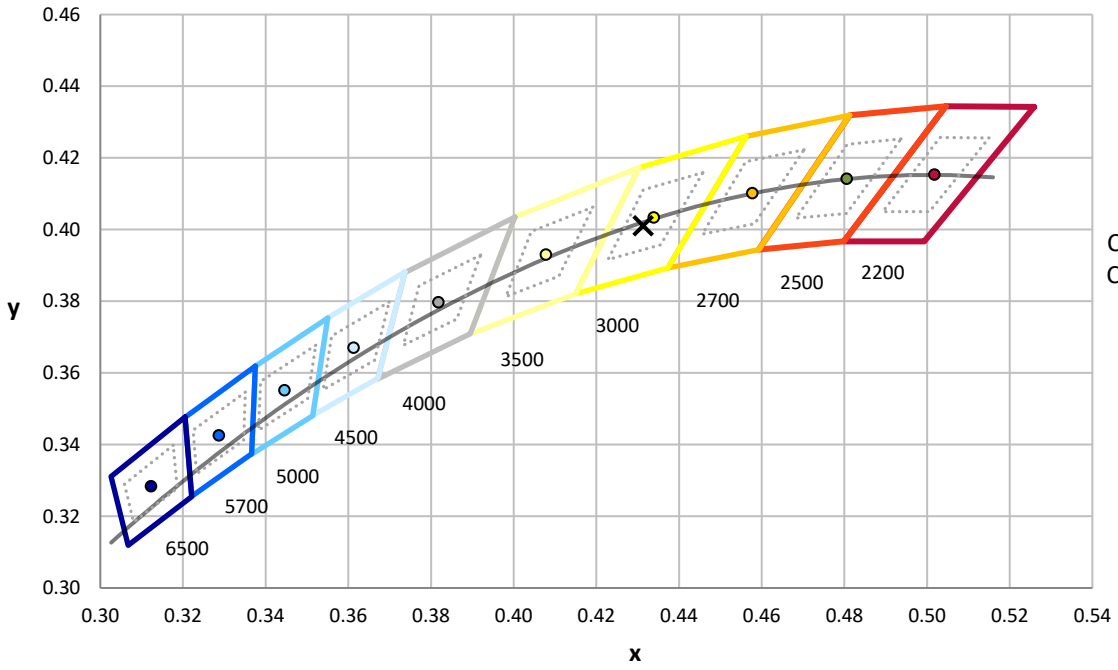
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN2187	1/6/2025	7/6/2025
Power Meter	INXT2011002	1/21/2025	1/21/2026
AC Power Source	IN0458	10/22/2024	10/22/2025
DC Power Source	IN0212	10/22/2024	10/22/2025
Sphere Thermometer	IN4036B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

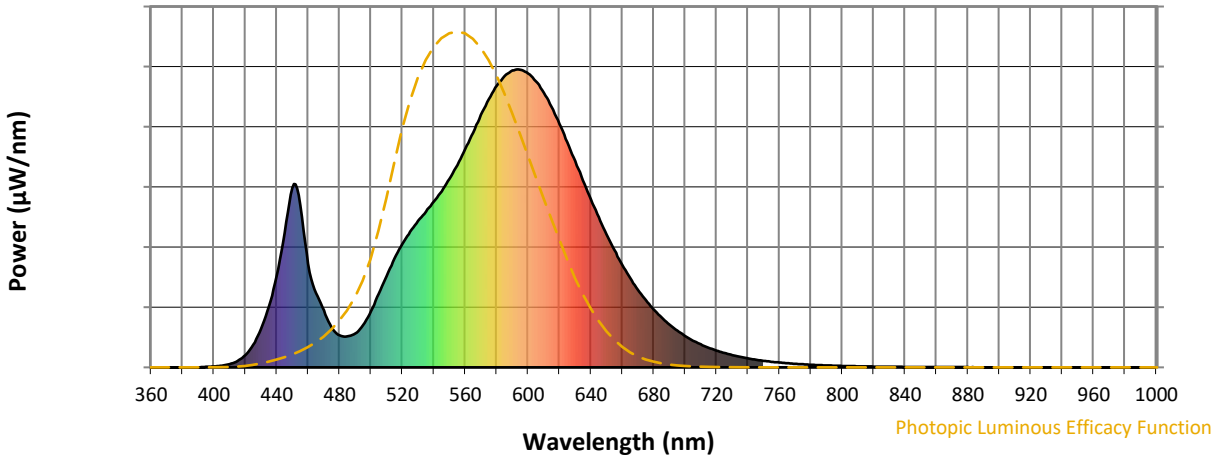


CCT = 3072K
CIE x = 0.4313
CIE y = 0.4010
Duv = -0.0004

Point lies inside the ANSI 3000K 4-step quadrangle

REPORT NUMBER: SP2-2501-321-4

Photopic Flux vs. Wavelength

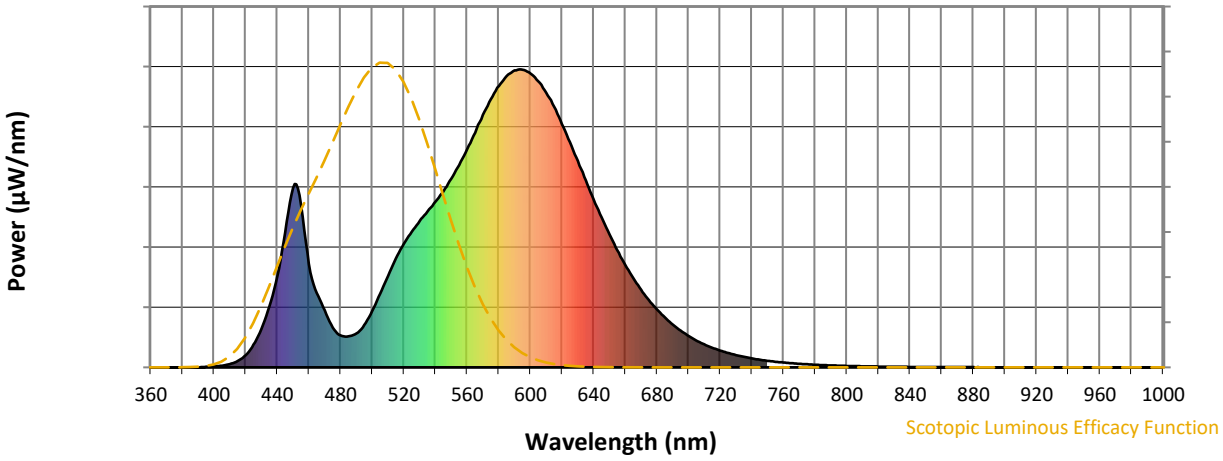


Photopic Lumens: NR

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

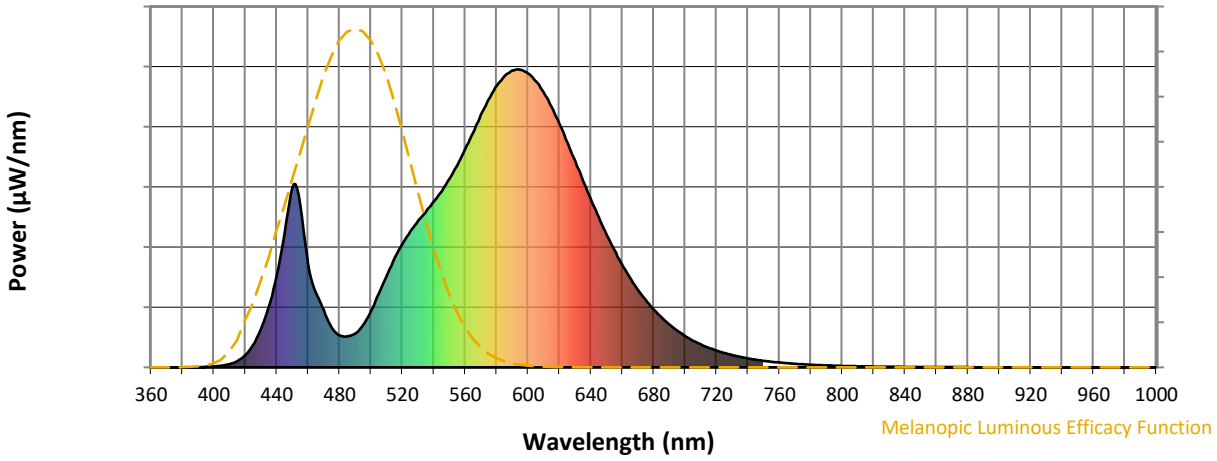


Scotopic Lumens: NR **S/P: 1.24**

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			

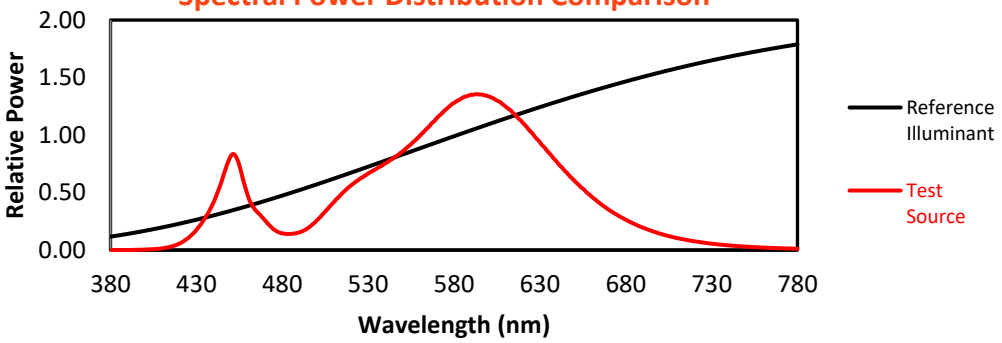
REPORT NUMBER: SP2-2501-321-4

TM-30-18

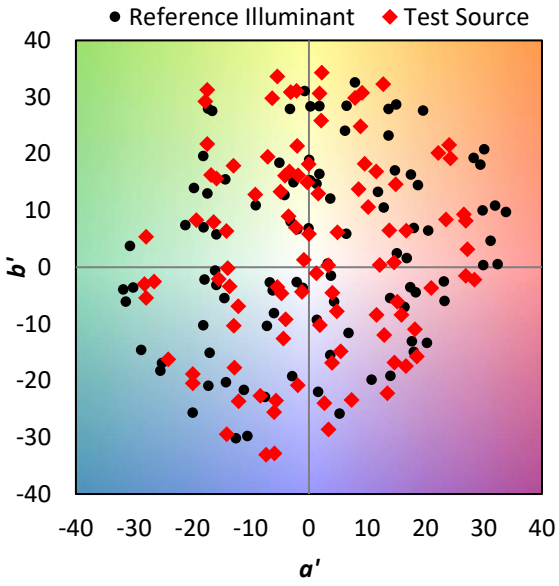
Summary

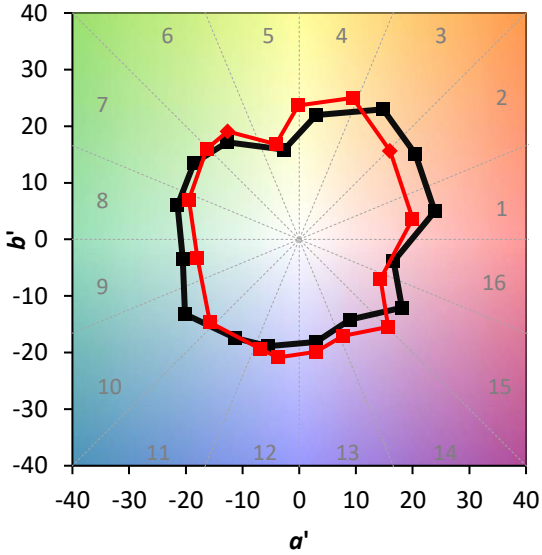
R_f = 74.7
R_g = 94.2
CIE R_a = 71.7
R_9 = -33.9

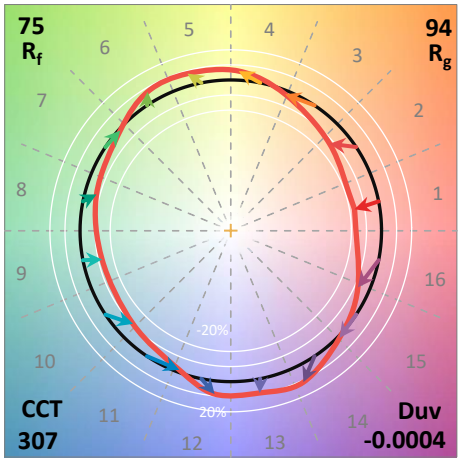
Spectral Power Distribution Comparison

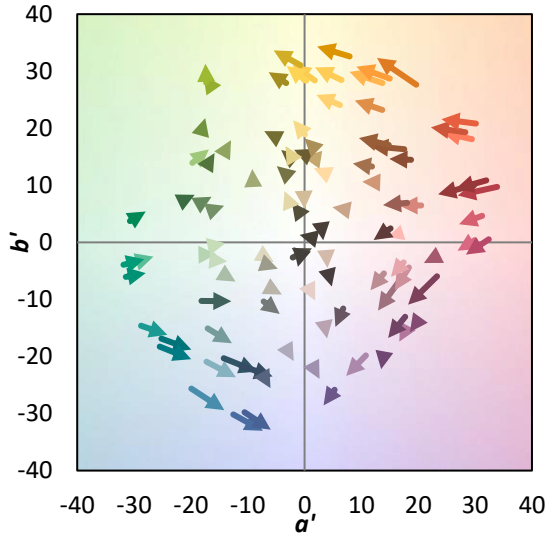


Color Vector Graphics







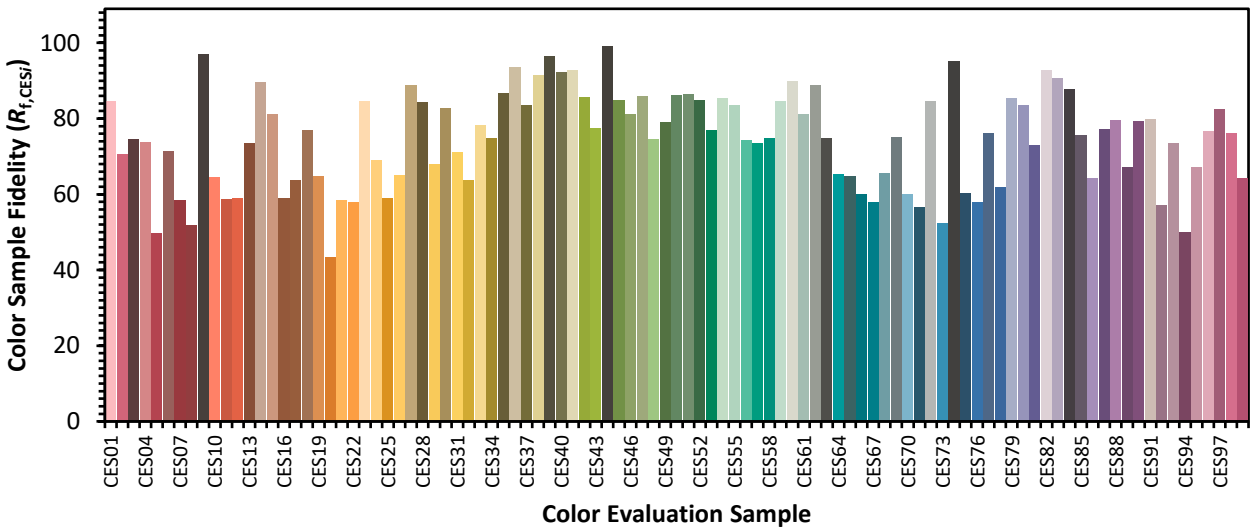


REPORT NUMBER: SP2-2501-321-4

TM-30-18

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

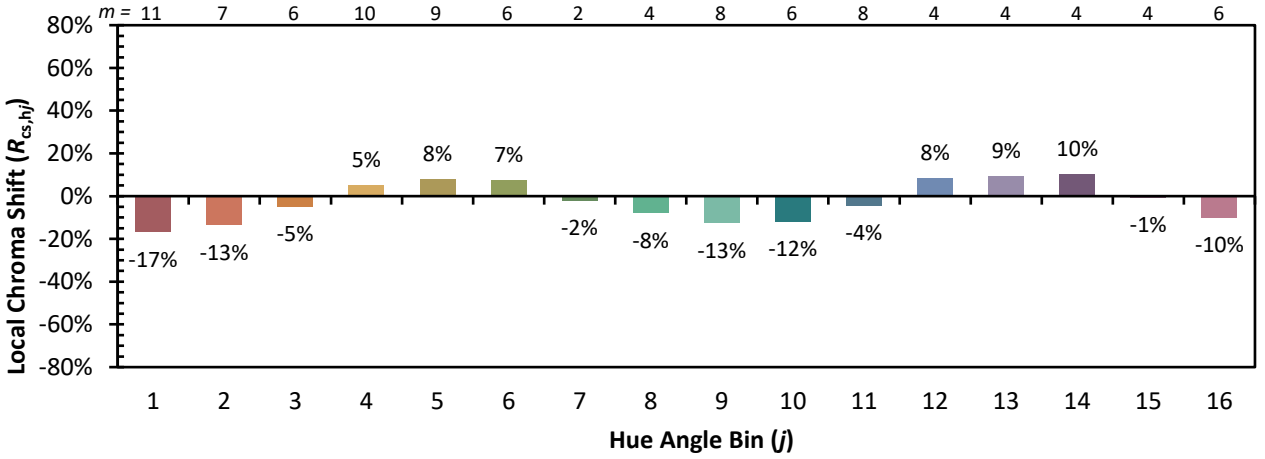
CES01 = 86	CES26 = 65	CES51 = 86	CES76 = 58
CES02 = 62	CES27 = 89	CES52 = 85	CES77 = 76
CES03 = 31	CES28 = 84	CES53 = 77	CES78 = 62
CES04 = 71	CES29 = 68	CES54 = 85	CES79 = 85
CES05 = 49	CES30 = 83	CES55 = 84	CES80 = 84
CES06 = 51	CES31 = 71	CES56 = 74	CES81 = 73
CES07 = 41	CES32 = 64	CES57 = 74	CES82 = 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	

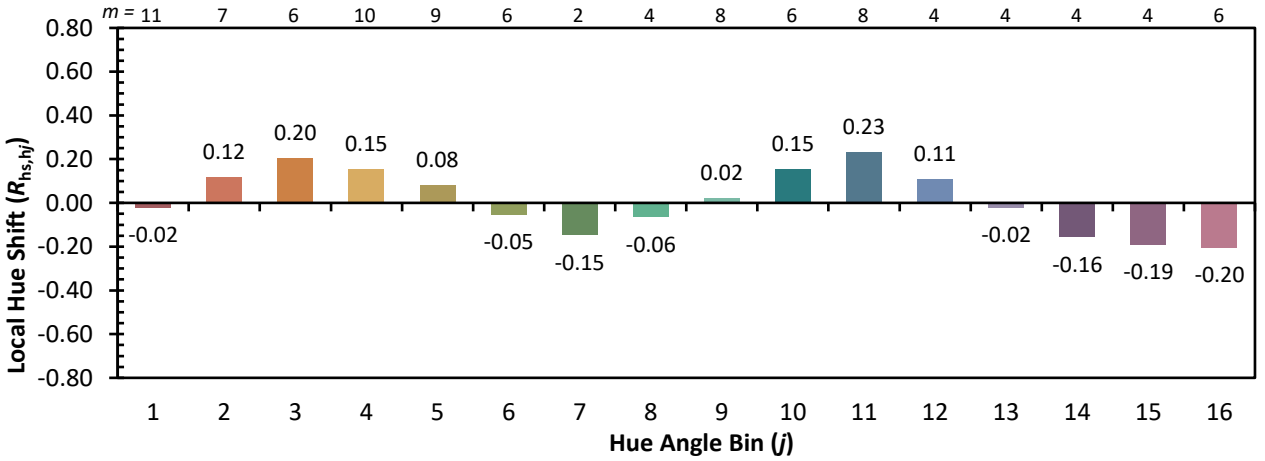


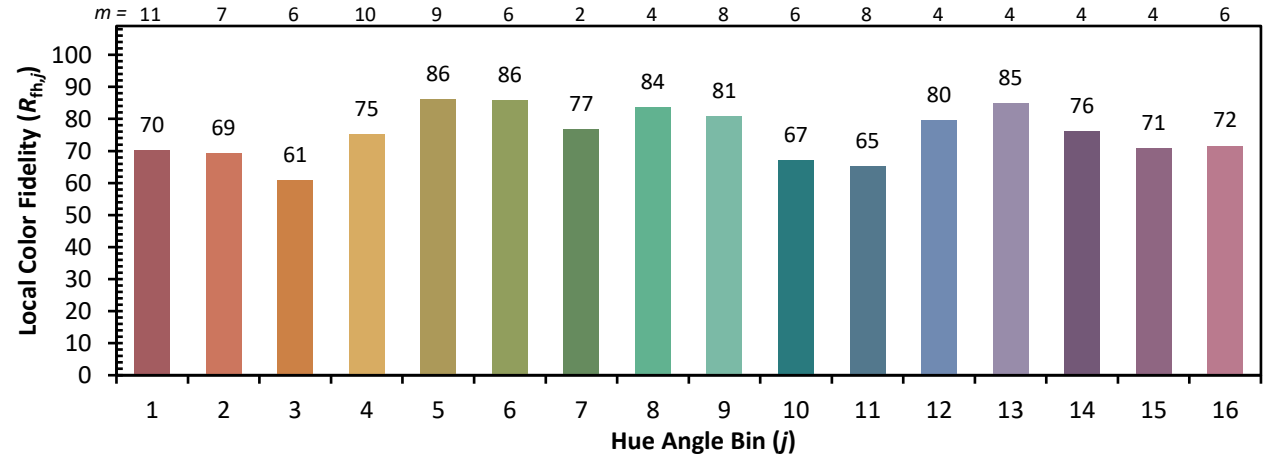
REPORT NUMBER: SP2-2501-321-4

TM-30-18

Color Rendition by Hue-Angle Bin



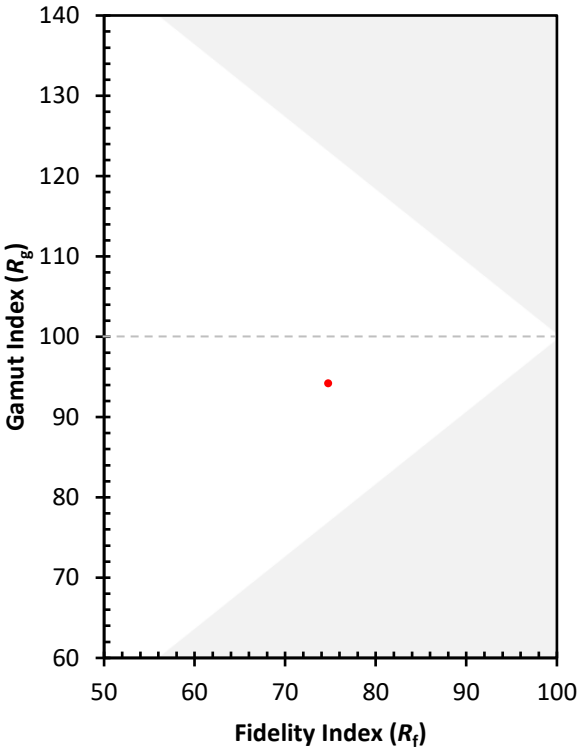


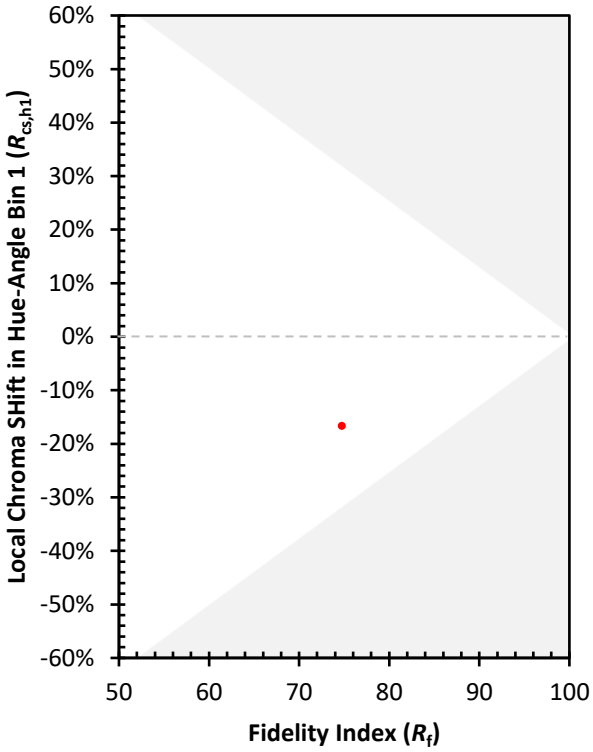


REPORT NUMBER: SP2-2501-321-4

TM-30-18

Measure Comparisons





(END OF REPORT)