

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: P972362

Luminaire Tested: **GKO-PB1E-730-U-T2U**

Issue Date: 02/27/2025



Test Information

Test Method: LM-79-08
Report Number: P972362
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-T2U
Description: GEKKO WALL PACK 5000LM PACKAGE 70CRI 3000K FIXTURE w/ TYPE II URBAN DISTRIBUTION OPTIC
Light Source: (10) 3000K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4860.6 lumens
Efficiency: N/A
Efficacy: 125.6 lumens/watt
Luminous Opening: Rectangular (W 0.33' x L: 0.33' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B1 - U0 - G1

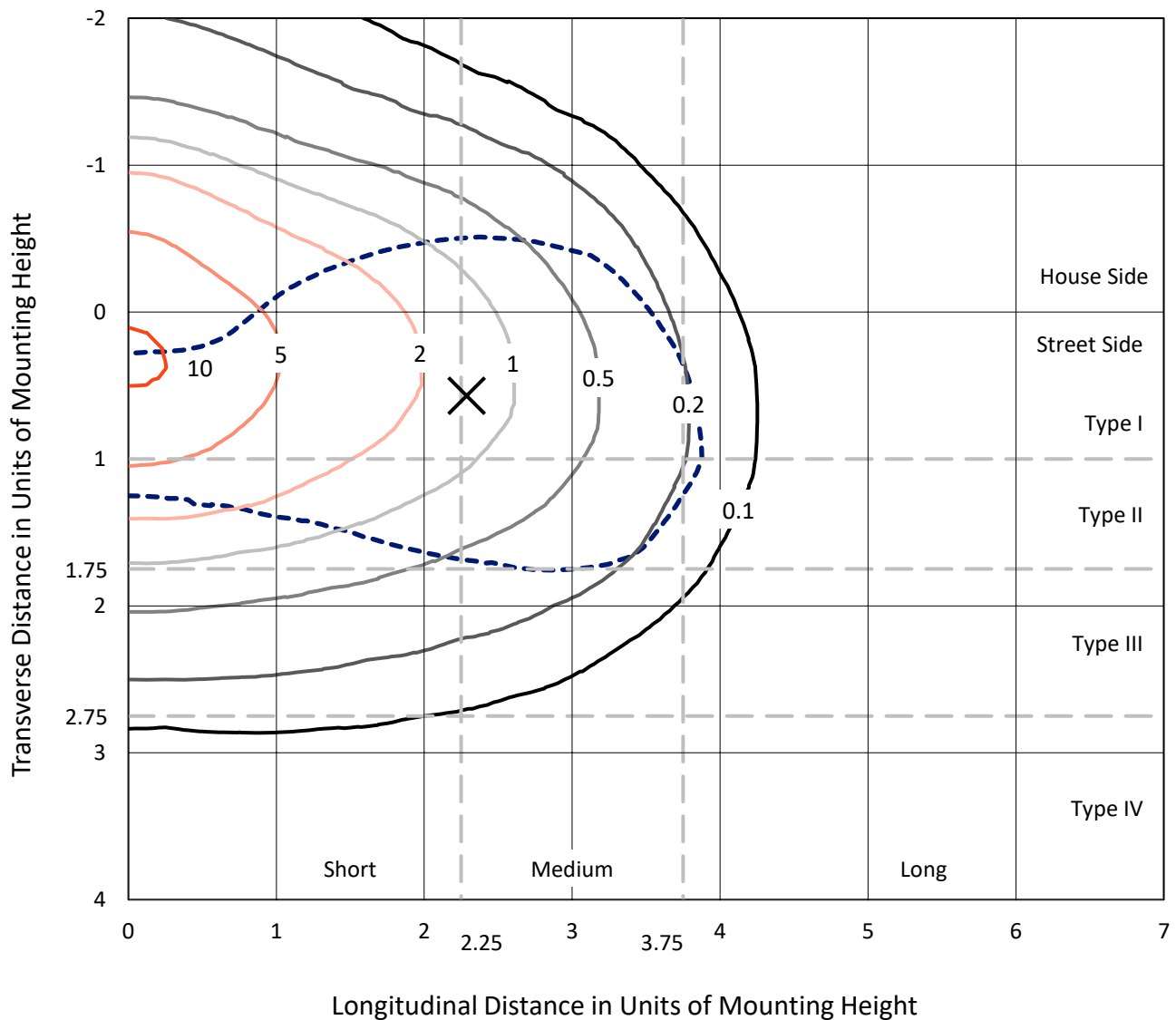
Input Watts (W): 38.7
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: 0.97
Total Harmonic Distortion (THDi): 9%
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT

REPORT NUMBER: P972362

CATALOG NUMBER: GKO-PB1E-730-U-T2U

Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

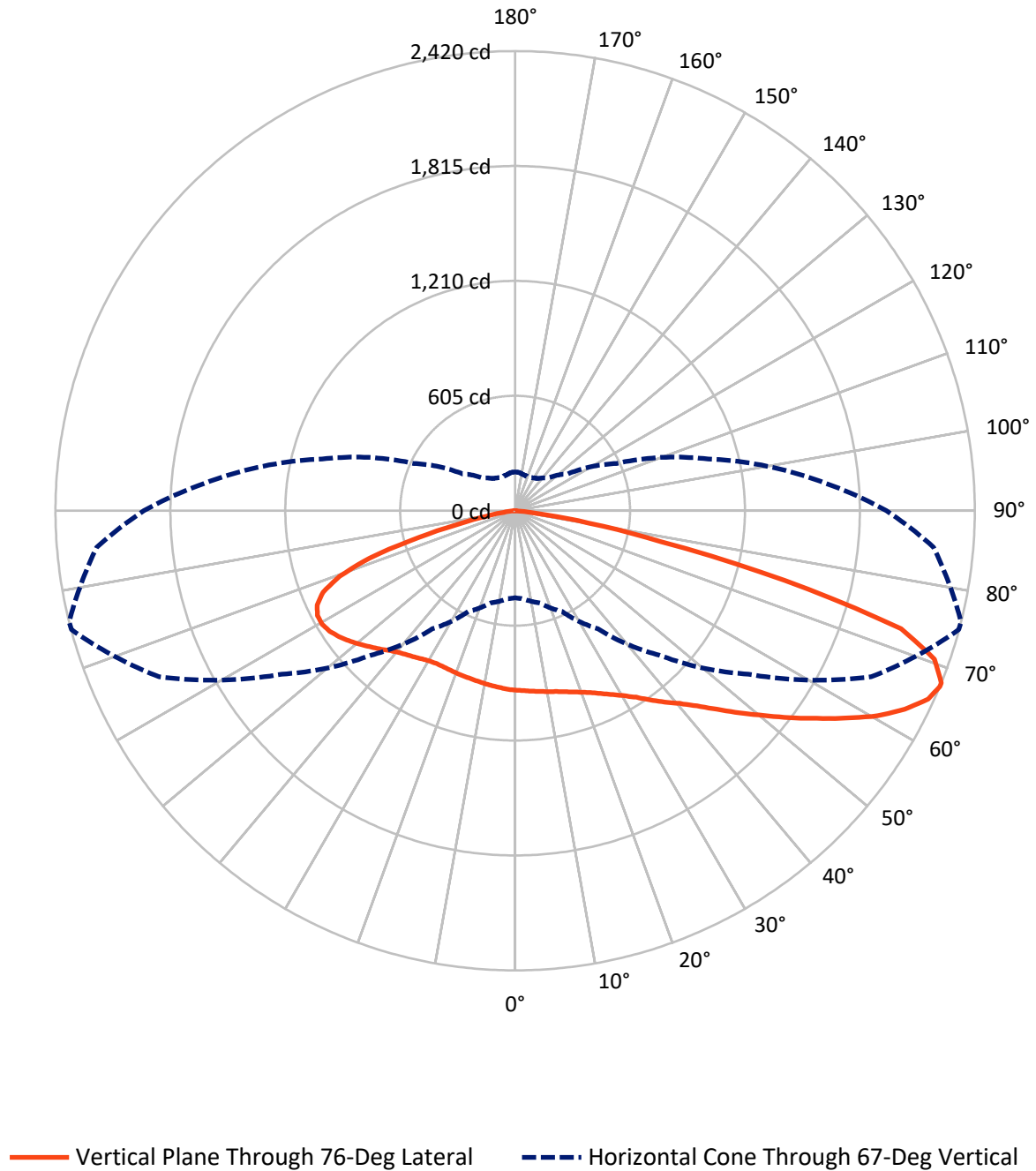


Based on 10 foot mounting height. Maximum calculated value = 10.7 fc
 Type II - Medium - N/A

REPORT NUMBER: P972362

CATALOG NUMBER: GKO-PB1E-730-U-T2U

Luminous Intensity Polar Plot



REPORT NUMBER: P972362

CATALOG NUMBER: GKO-PB1E-730-U-T2U

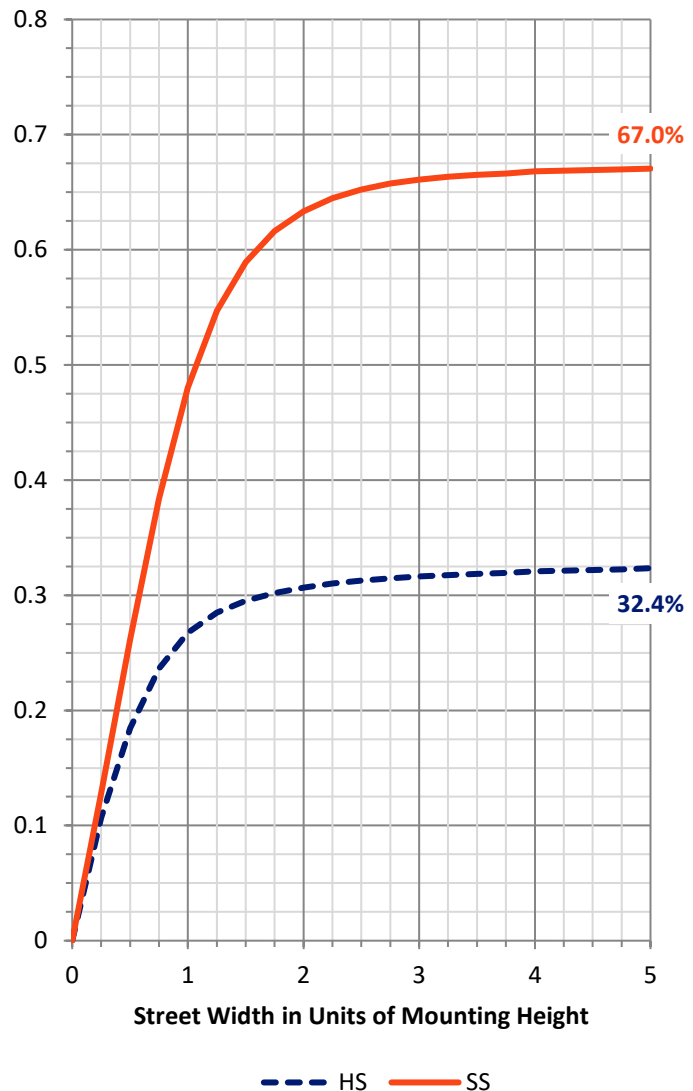
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1603.6	0.0	1603.6
	% Fixture	33.0	0.0	33.0
Street Side	Lumens	3257.0	0.0	3257.0
	% Fixture	67.0	0.0	67.0
Total	Lumens	4860.6	0.0	4860.6
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	90.8	1.9
10°-20°	277.9	5.7
20°-30°	478.0	9.8
30°-40°	686.9	14.1
40°-50°	871.1	17.9
50°-60°	956.6	19.7
60°-70°	927.7	19.1
70°-80°	512.2	10.5
80°-90°	59.4	1.2
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°	4860.6	100.0
0°-180°	4860.6	100.0



REPORT NUMBER: P972362

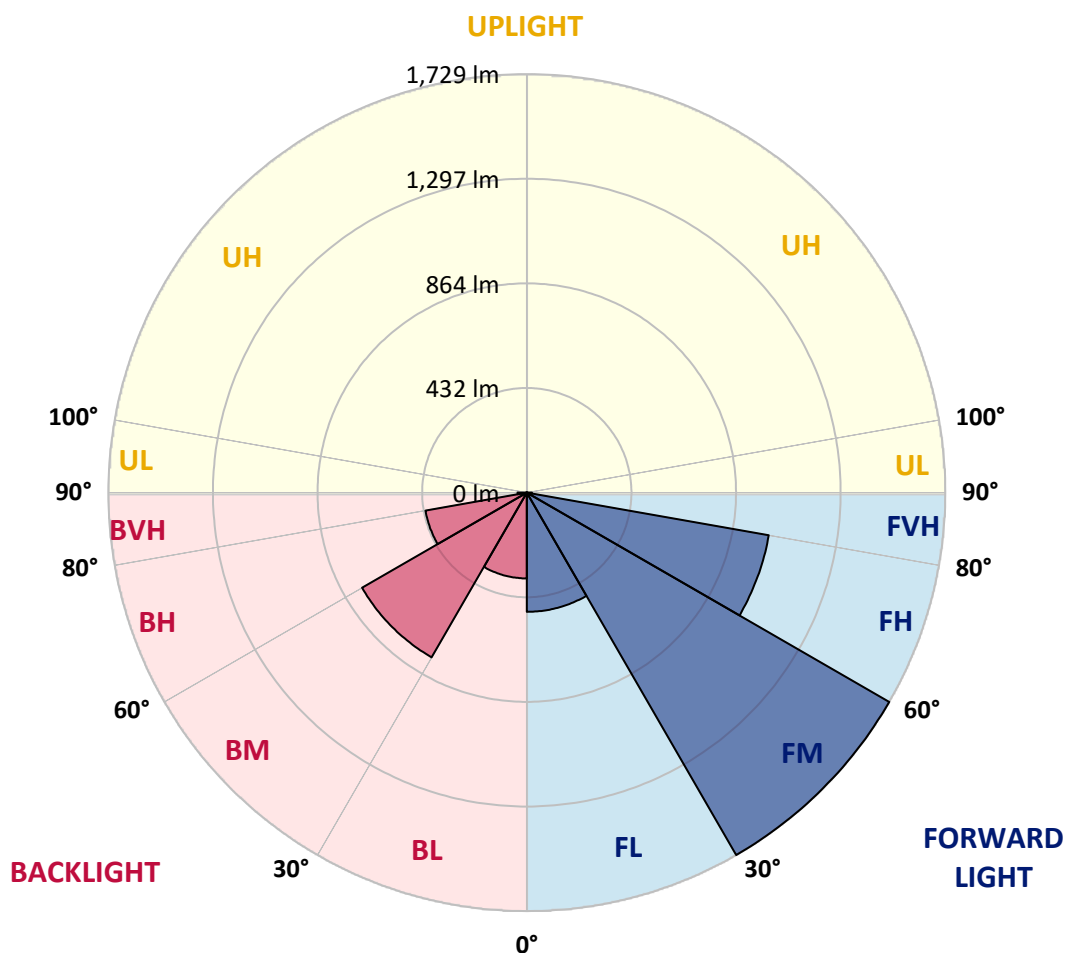
CATALOG NUMBER: GKO-PB1E-730-U-T2U

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	492.4	10.1			
FM	(30°-60°)	1728.8	35.6			
FH	(60°-80°)	1014.9	20.9			G1/1800
FVH	(80°-90°)	21.0	0.4			G1/100
BL	(0°-30°)	354.3	7.3	B1/500		
BM	(30°-60°)	785.8	16.2	B1/1000		
BH	(60°-80°)	425.1	8.7	B1/500		G1/500
BVH	(80°-90°)	38.4	0.8			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G1

Type II Medium





REPORT NUMBER: P972362

CATALOG NUMBER: GKO-PB1E-730-U-T2U

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	76°	85°
0°	944.9	944.9	944.9	944.9	944.9	944.9	944.9	944.9	944.9	944.9	944.9
2.5°	973.1	972.1	971.2	971.2	967.4	963.7	959.9	957.1	949.6	948.6	944.9
5°	1002.2	1002.2	999.4	998.4	992.8	983.4	974.9	966.5	956.1	954.3	945.8
7.5°	1039.8	1039.8	1035.1	1031.4	1022.9	1007.8	992.8	977.8	962.7	960.8	947.7
10°	1087.8	1087.8	1084.0	1075.5	1057.7	1037.9	1013.5	990.0	970.2	968.4	949.6
12.5°	1137.6	1138.5	1132.9	1120.7	1099.0	1069.0	1038.9	1005.0	979.6	976.8	953.3
15°	1188.4	1189.3	1185.5	1172.4	1143.2	1106.6	1066.1	1025.7	991.9	989.0	959.0
17.5°	1238.2	1240.1	1236.3	1221.3	1187.4	1147.9	1098.1	1047.3	1006.9	1003.1	968.4
20°	1285.2	1285.2	1285.2	1268.3	1235.4	1190.2	1132.9	1073.7	1023.8	1020.1	979.6
22.5°	1327.5	1329.4	1332.2	1322.8	1285.2	1235.4	1173.3	1102.8	1045.5	1040.8	993.7
25°	1369.8	1370.7	1378.3	1371.7	1335.0	1283.3	1216.6	1139.5	1071.8	1067.1	1010.7
27.5°	1418.7	1421.5	1426.2	1423.4	1382.0	1331.3	1264.5	1179.9	1100.9	1096.2	1031.4
30°	1476.0	1476.0	1478.9	1474.2	1432.8	1382.0	1312.5	1222.2	1137.6	1130.1	1056.7
32.5°	1523.1	1527.8	1525.9	1524.0	1480.7	1430.0	1361.3	1269.2	1179.9	1170.5	1091.5
35°	1567.2	1568.2	1567.2	1569.1	1525.9	1477.9	1413.1	1323.7	1226.9	1223.1	1135.7
37.5°	1592.6	1594.5	1599.2	1604.8	1566.3	1521.2	1464.8	1383.9	1285.2	1278.6	1188.4
40°	1604.8	1607.7	1633.1	1641.5	1600.1	1562.5	1519.3	1438.4	1341.6	1334.1	1241.0
42.5°	1623.7	1646.2	1659.4	1661.3	1625.5	1592.6	1566.3	1500.5	1411.2	1404.6	1311.5
45°	1561.6	1553.1	1587.9	1628.4	1626.5	1612.4	1611.4	1570.1	1496.7	1490.1	1391.4
47.5°	1483.6	1477.0	1495.8	1555.0	1597.3	1620.8	1655.6	1651.9	1600.1	1590.7	1484.5
50°	1297.4	1308.7	1400.8	1481.7	1555.0	1623.7	1693.2	1737.4	1700.7	1693.2	1583.2
52.5°	1123.5	1131.0	1194.0	1386.7	1500.5	1615.2	1726.1	1827.7	1818.3	1809.8	1691.3
55°	1001.3	1008.8	1109.4	1232.5	1419.6	1571.9	1747.8	1913.2	1937.7	1929.2	1806.0
57.5°	873.4	885.6	954.3	1062.4	1311.5	1500.5	1755.3	1999.7	2067.4	2059.9	1916.0
60°	750.2	767.2	807.6	925.1	1178.0	1415.9	1735.5	2069.3	2192.4	2192.4	2029.8
62.5°	636.5	645.9	688.2	794.4	1008.8	1307.8	1685.7	2113.5	2307.1	2302.4	2129.5
65°	542.5	547.2	581.0	672.2	866.8	1188.4	1599.2	2110.7	2388.9	2389.9	2195.3
67°	457.9	465.4	503.0	585.7	758.7	1075.5	1499.5	2068.3	2418.1	2420.0	2211.2
67.5°	428.7	437.2	478.5	564.1	736.1	1044.5	1476.0	2050.5	2416.2	2420.0	2206.5
70°	295.2	297.1	366.7	464.4	605.5	880.0	1313.4	1926.4	2344.7	2341.9	2104.1
72.5°	188.0	185.2	252.0	339.4	487.0	712.6	1108.4	1709.2	2127.6	2124.8	1854.9
75°	125.0	127.9	170.2	242.6	342.2	550.9	864.0	1289.9	1477.9	1466.6	1224.1
77.5°	89.3	87.4	105.3	174.9	229.4	334.7	469.1	686.3	785.0	785.0	672.2
80°	48.9	49.8	57.3	96.8	129.7	130.7	175.8	344.1	383.6	392.0	326.2
82.5°	14.1	15.0	20.7	32.9	35.7	39.5	61.1	98.7	103.4	109.1	88.4
85°	0.0	0.0	0.0	0.9	3.8	4.7	4.7	5.6	9.4	9.4	10.3
87.5°	0.0	0.0	0.0	0.0	0.0	0.9	0.9	1.9	3.8	3.8	4.7
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: P972362

CATALOG NUMBER: GKO-PB1E-730-U-T2U

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	944.9	944.9	944.9	944.9	944.9	944.9	944.9	944.9	944.9	944.9	944.9
2.5°	943.9	944.9	941.1	936.4	932.6	930.8	925.1	920.4	923.2	926.1	926.1
5°	943.0	942.0	934.5	926.1	920.4	916.7	907.3	900.7	901.6	904.4	903.5
7.5°	943.0	939.2	928.9	916.7	907.3	899.7	887.5	880.0	879.0	880.9	879.0
10°	943.9	937.3	923.2	906.3	893.1	881.9	866.8	858.4	855.5	856.5	854.6
12.5°	945.8	935.5	917.6	896.0	879.0	864.0	847.1	836.7	834.9	836.7	836.7
15°	948.6	935.5	912.9	886.6	864.0	847.1	830.2	820.8	820.8	821.7	821.7
17.5°	954.3	938.3	909.1	876.2	849.0	830.2	815.1	808.5	809.5	812.3	812.3
20°	959.9	942.0	905.4	865.9	835.8	814.2	802.0	797.3	801.0	804.8	804.8
22.5°	968.4	946.7	901.6	856.5	820.8	799.1	788.8	785.0	788.8	793.5	791.6
25°	981.5	955.2	898.8	848.0	806.7	783.2	772.8	769.0	770.9	774.7	774.7
27.5°	996.6	965.5	897.8	837.7	789.7	764.3	752.1	746.5	746.5	747.4	748.4
30°	1021.9	983.4	901.6	830.2	774.7	744.6	728.6	720.2	719.2	723.0	723.0
32.5°	1052.0	1007.8	911.0	823.6	759.6	721.1	699.5	692.9	691.0	693.8	691.0
35°	1085.9	1035.1	923.2	822.6	744.6	695.7	671.3	663.8	658.1	656.2	654.3
37.5°	1133.8	1072.7	935.5	817.9	729.6	668.5	642.1	626.1	619.6	617.7	617.7
40°	1180.8	1109.4	950.5	810.4	711.7	641.2	603.6	585.7	582.9	582.9	582.9
42.5°	1240.1	1157.3	971.2	805.7	690.1	613.9	562.2	541.5	541.5	541.5	540.6
45°	1313.4	1220.3	997.5	803.8	669.4	581.0	518.0	490.8	489.8	488.9	487.9
47.5°	1399.0	1286.1	1022.9	799.1	644.9	541.5	467.3	437.2	430.6	428.7	425.9
50°	1487.3	1357.6	1050.2	792.6	615.8	495.5	419.3	384.5	370.4	365.7	367.6
52.5°	1581.3	1427.2	1076.5	783.2	581.0	449.4	370.4	333.8	319.7	314.0	313.1
55°	1673.5	1497.7	1100.9	770.9	543.4	402.4	329.1	293.3	281.1	279.2	279.2
57.5°	1766.6	1565.4	1119.7	753.1	502.0	361.0	293.3	264.2	255.7	259.5	259.5
60°	1851.2	1624.6	1129.1	728.6	460.7	323.4	265.1	243.5	239.7	249.1	248.2
62.5°	1927.3	1664.1	1124.4	692.9	420.2	291.4	243.5	227.5	228.5	239.7	240.7
65°	1964.0	1670.7	1097.2	644.0	375.1	264.2	220.9	205.9	207.8	220.0	222.8
67°	1955.5	1645.3	1052.0	588.5	338.5	243.5	206.8	191.8	192.7	203.1	204.0
67.5°	1946.1	1633.1	1039.8	571.6	329.1	239.7	203.1	189.0	190.9	200.3	200.3
70°	1821.1	1509.0	927.0	485.1	284.9	213.4	185.2	175.8	177.7	183.3	183.3
72.5°	1591.7	1306.8	750.2	389.2	241.6	189.0	167.3	161.7	161.7	161.7	157.0
75°	1015.4	818.9	490.8	298.0	199.3	161.7	150.4	143.8	140.1	145.7	143.8
77.5°	561.3	427.8	255.7	171.1	143.8	134.4	130.7	127.9	126.9	140.1	136.3
80°	266.1	211.5	143.8	97.8	82.7	99.7	112.8	110.9	132.6	181.5	182.4
82.5°	84.6	69.6	58.3	53.6	55.5	71.5	87.4	100.6	172.0	194.6	191.8
85°	10.3	9.4	6.6	21.6	36.7	52.6	67.7	130.7	157.9	131.6	124.1
87.5°	3.8	3.8	3.8	15.0	28.2	40.4	61.1	131.6	96.8	88.4	80.9
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: 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

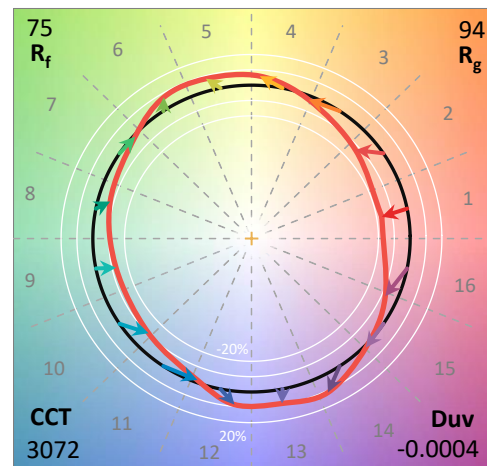
Test Information

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
 R_f: 74.7
 R_g: 94.2

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



Test Conditions

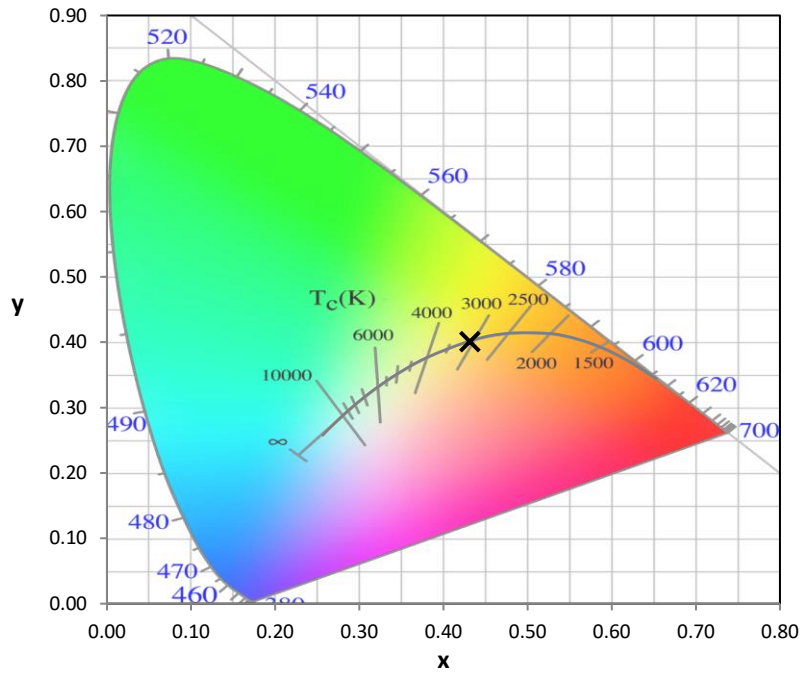
Stabilization Time: 30M
 Operation Time: 1H 30M
 Sphere Temperature (°C): 25.7

REPORT NUMBER: SP2-2501-321-4

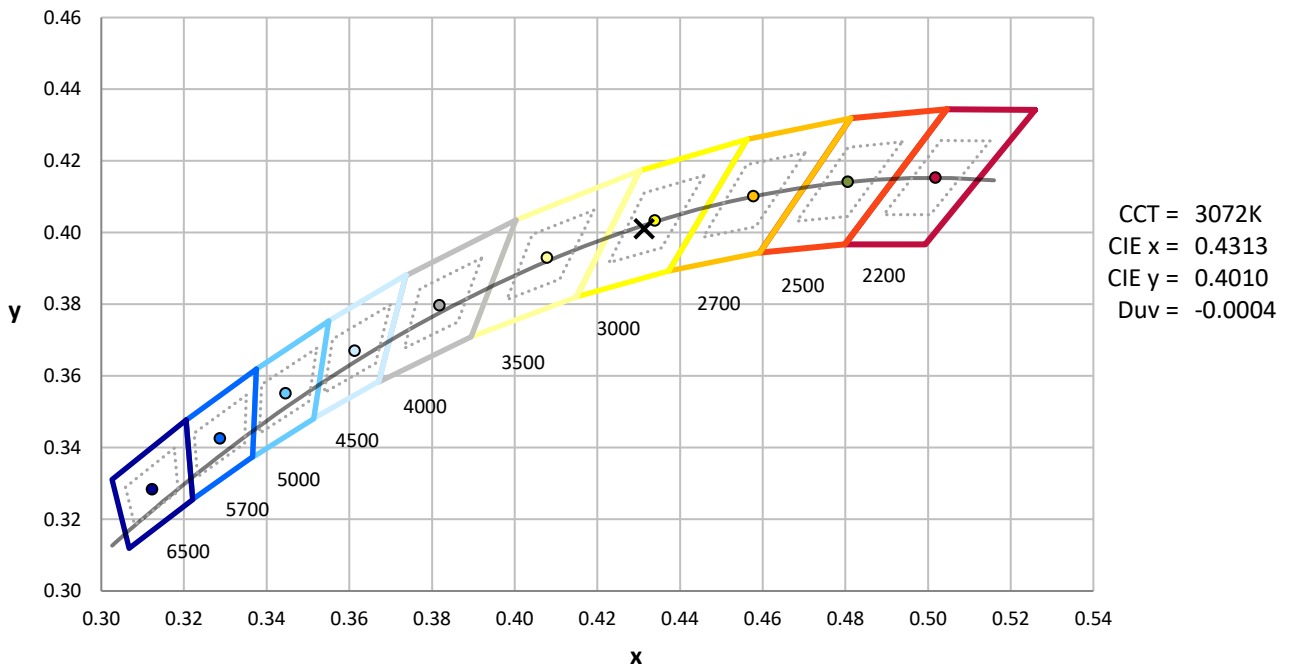
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN2187	1/6/2025	7/6/2025
Power Meter	INXT2011002	1/21/2025	1/21/2026
AC Power Source	IN0458	10/22/2024	10/22/2025
DC Power Source	IN0212	10/22/2024	10/22/2025
Sphere Thermometer	IN4036B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



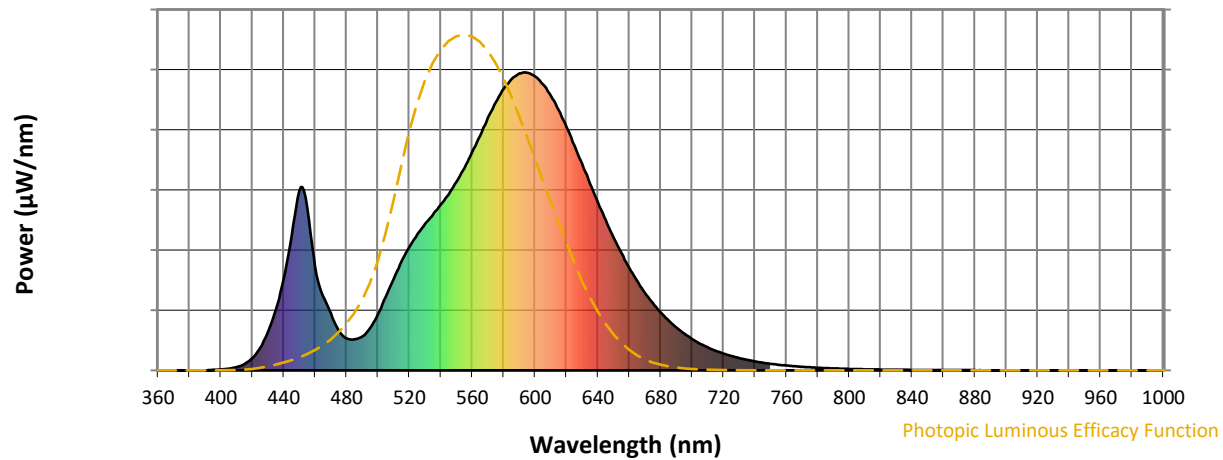
CIE 1931 Chromaticity Diagram with 2017 ANSI 7-Step and 4-Step Quadrangles



Point lies inside the ANSI 3000K 4-step quadrangle

REPORT NUMBER: SP2-2501-321-4

Photopic Flux vs. Wavelength

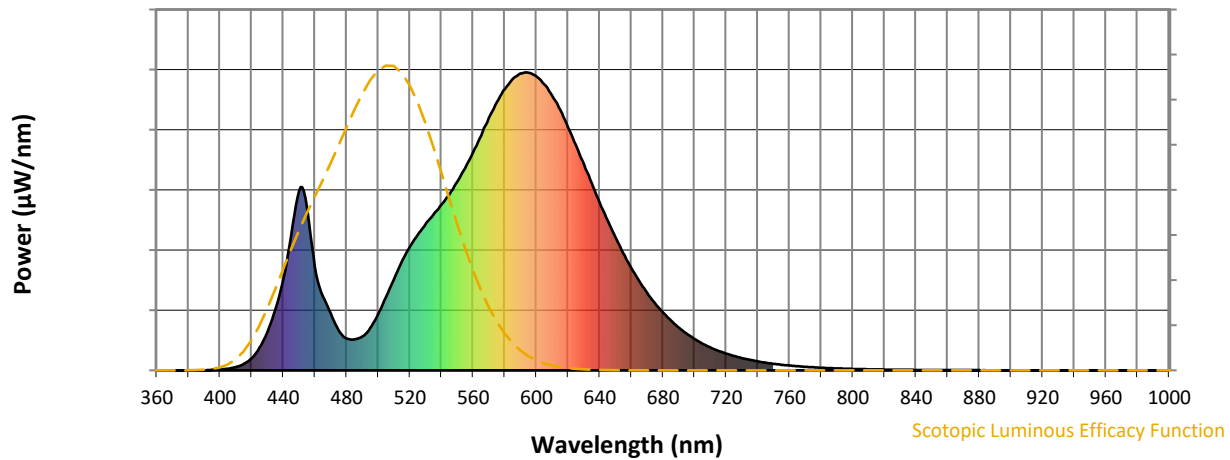


Photopic Lumens: NR

λ (nm)	Power $\text{W}^\wedge/\text{nm}$	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	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



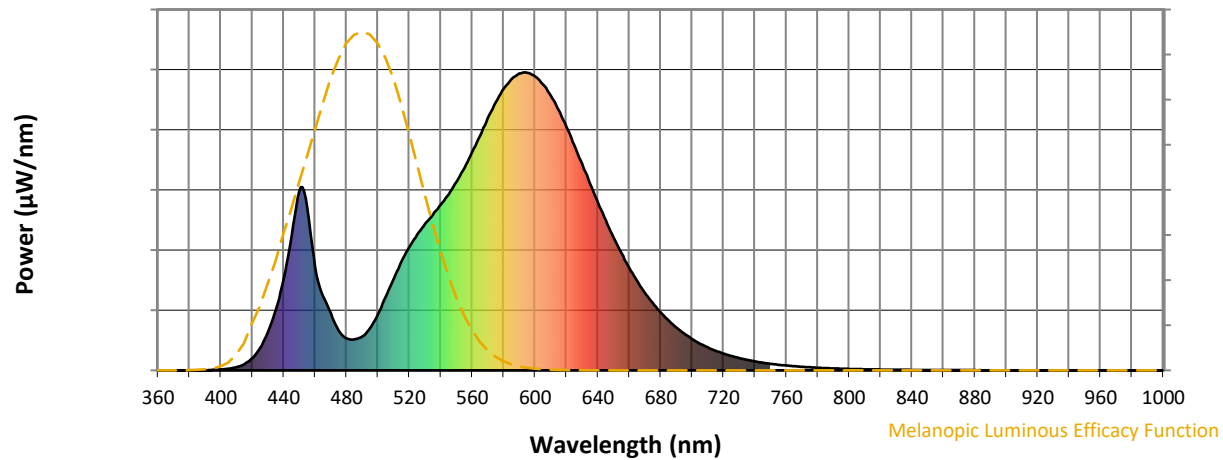
Scotopic Lumens: NR

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

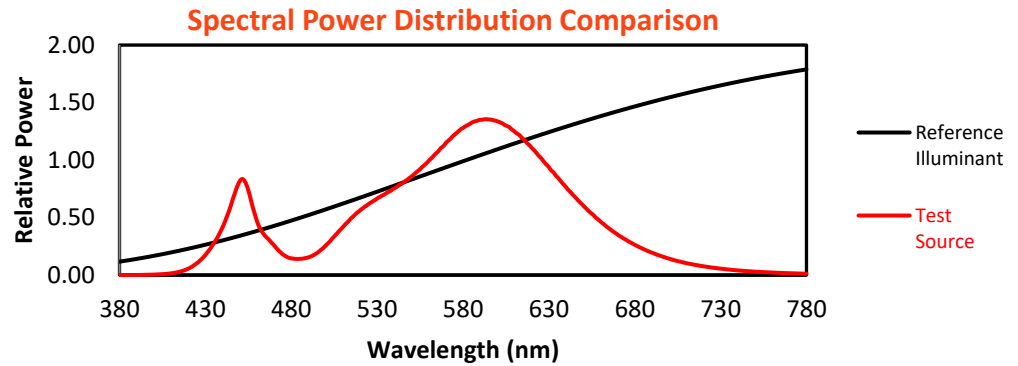
λ (nm)	Power W ^λ /nm	Lumens (φ/nm)	λ (nm)	Power W ^λ /nm	Lumens (φ/nm)	λ (nm)	Power W ^λ /nm	Lumens (φ/nm)	λ (nm)	Power W ^λ /nm	Lumens (φ/nm)	λ (nm)	Power W ^λ /nm	Lumens (φ/nm)
360	0	NR	490	114	NR	620	817	NR	750	22	NR	880	1	NR
365	0	NR	495	141	NR	625	756	NR	755	19	NR	885	1	NR
370	0	NR	500	189	NR	630	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

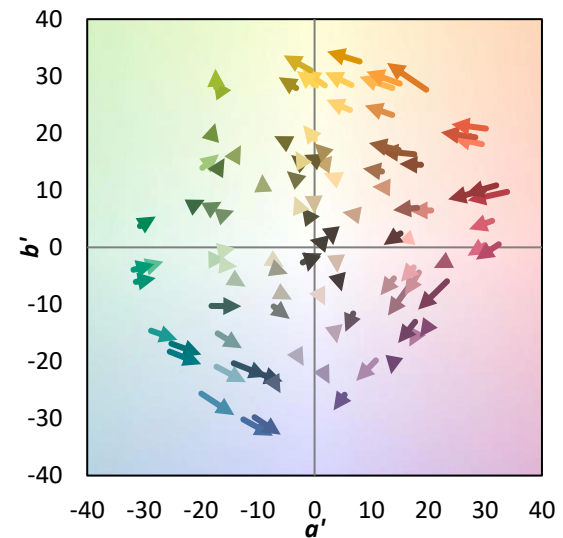
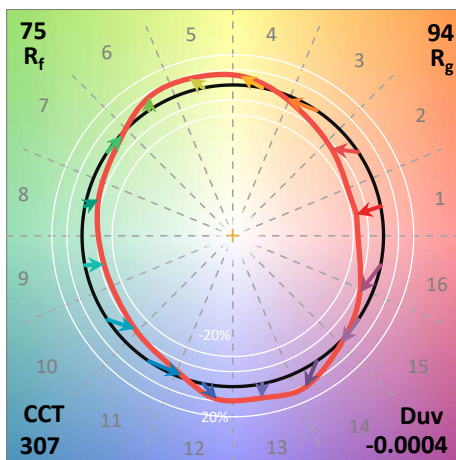
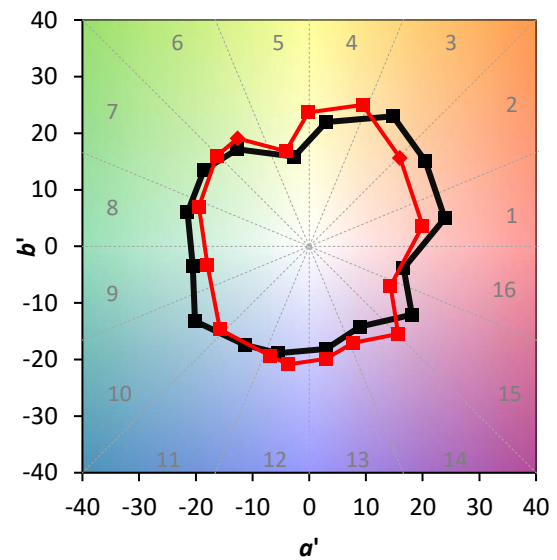
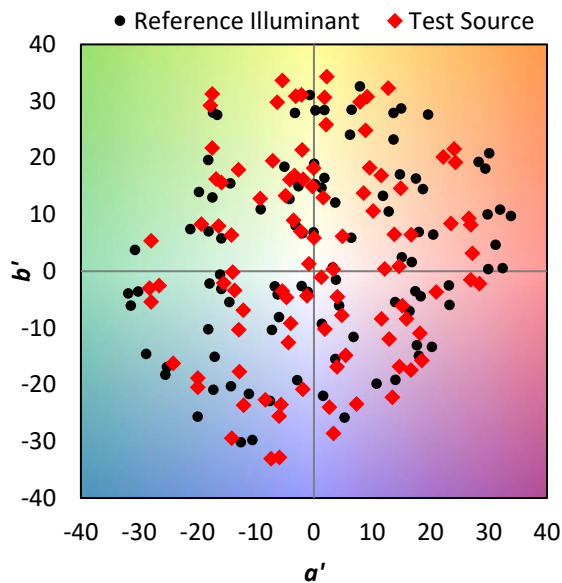
TM-30-18

Summary

$R_f = 74.7$
 $R_g = 94.2$
 $\text{CIE } R_a = 71.7$
 $R_g = -33.9$

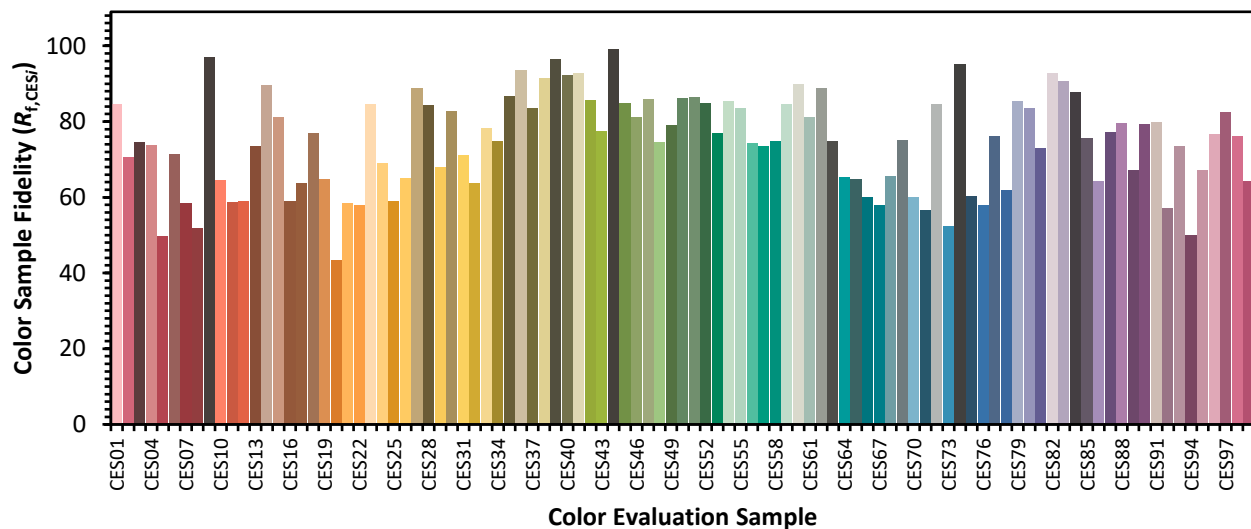


Color Vector Graphics

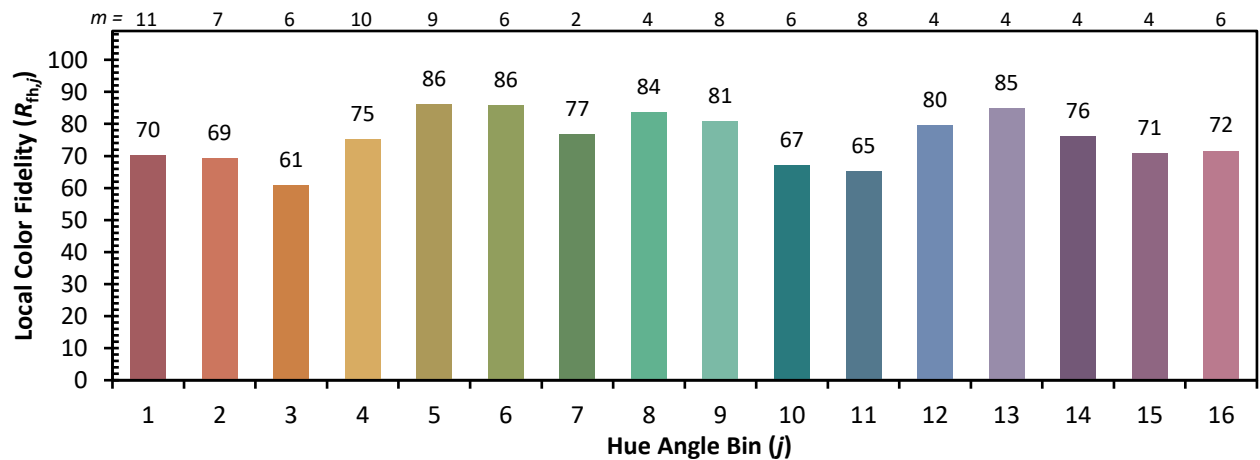
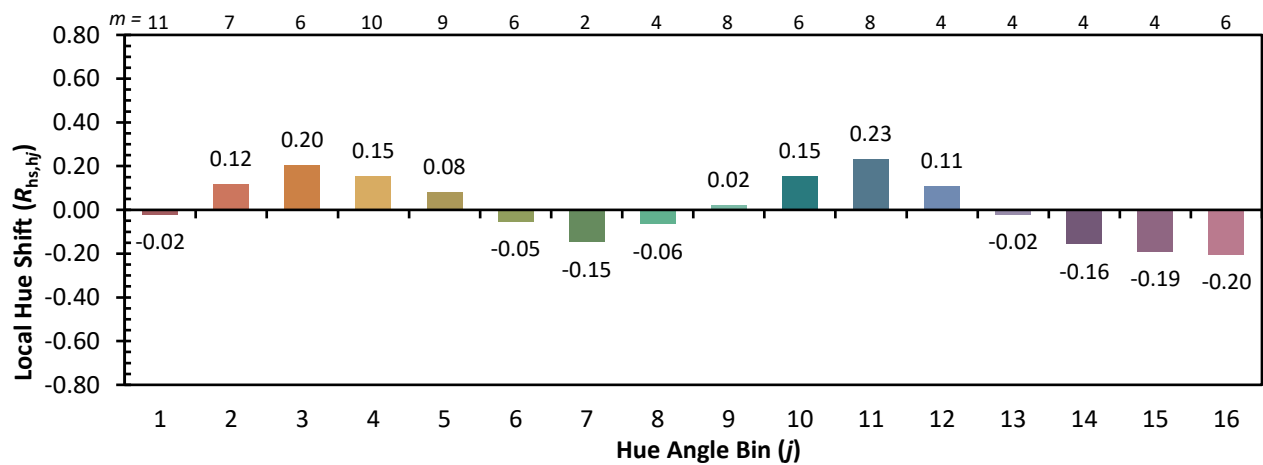
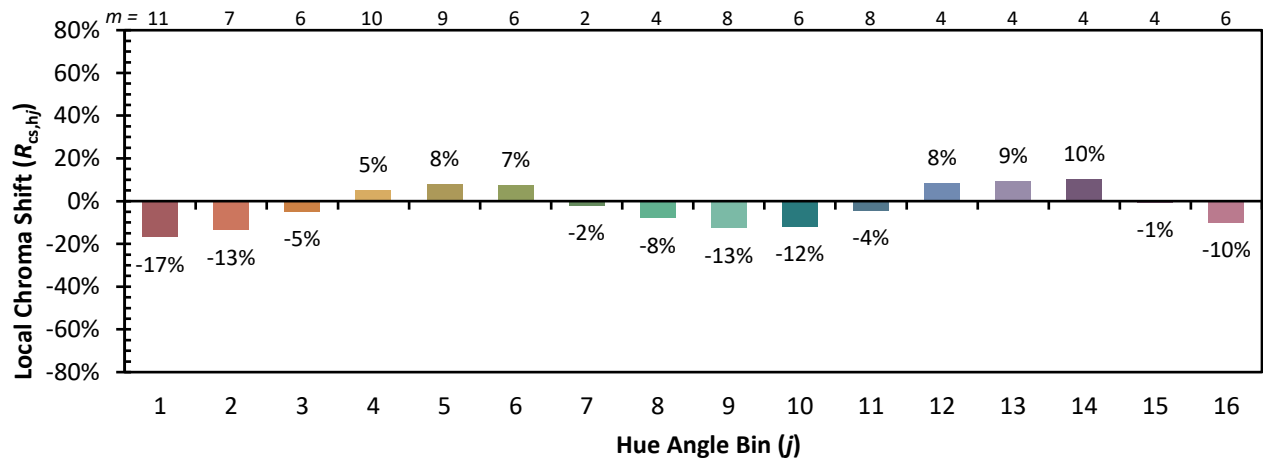


Individual Sample Fidelity Index ($R_{f,i}$)

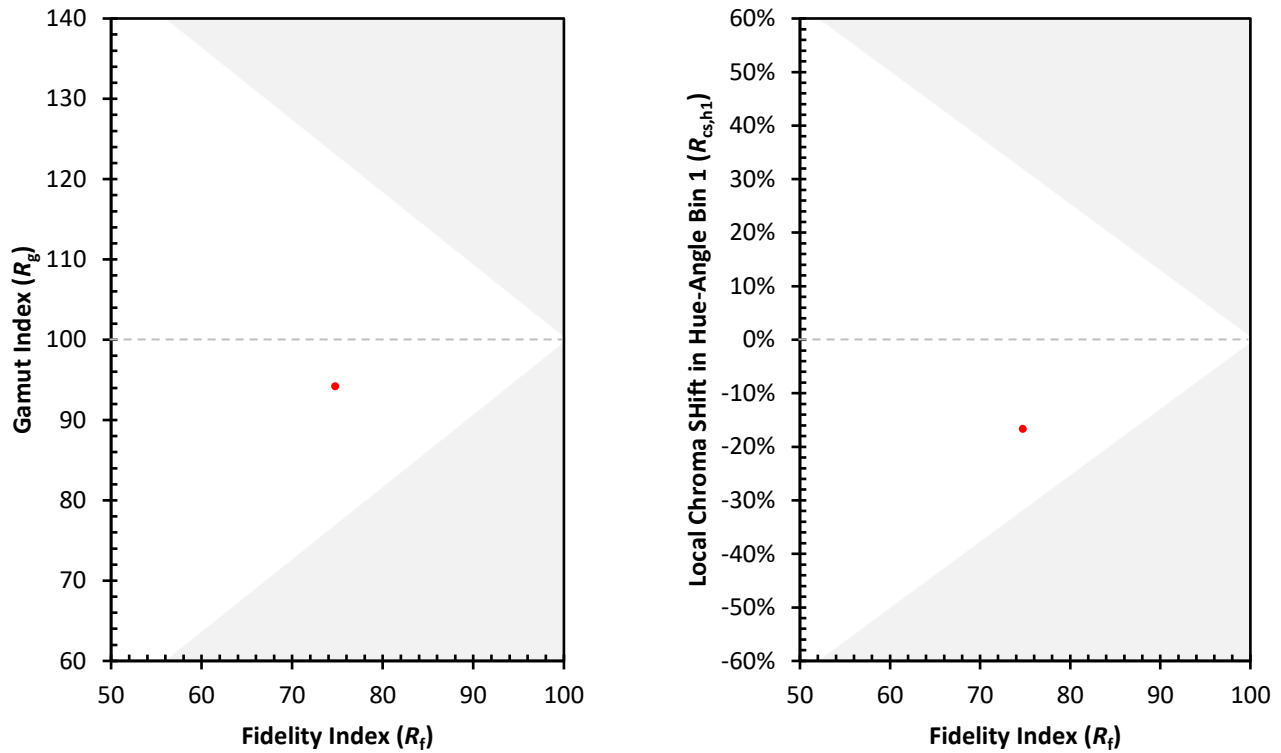
CES01 = 86	CES26 = 65	CES51 = 86	CES76 = 58
CES02 = 62	CES27 = 89	CES52 = 85	CES77 = 76
CES03 = 31	CES28 = 84	CES53 = 77	CES78 = 62
CES04 = 71	CES29 = 68	CES54 = 85	CES79 = 85
CES05 = 49	CES30 = 83	CES55 = 84	CES80 = 84
CES06 = 51	CES31 = 71	CES56 = 74	CES81 = 73
CES07 = 41	CES32 = 64	CES57 = 74	CES82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



Color Rendition by Hue-Angle Bin



Measure Comparisons



(END OF REPORT)