

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: P972394

Luminaire Tested: **GKO-PB1C-722-U-T1**

Issue Date: 02/27/2025



Test Information

Test Method: LM-79-08
Report Number: P972394
Test Lab: INNOVATION CENTER(G1)
Issue Date: 02/27/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: MCGRAW-EDISON
Catalog Number: GKO-PB1C-722-U-T1
Description: GEKKO WALL PACK 2500LM PACKAGE 70CRI 2200K FIXTURE w/ TYPE I DISTRIBUTION OPTIC
Light Source: (10) 2200K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2243.7 lumens
Efficiency: N/A
Efficacy: 132.0 lumens/watt
Luminous Opening: Rectangular (W 0.33' x L: 0.33' x H: 0')
IES Classification: Type I - Short
BUG Rating: B1 - U0 - G1

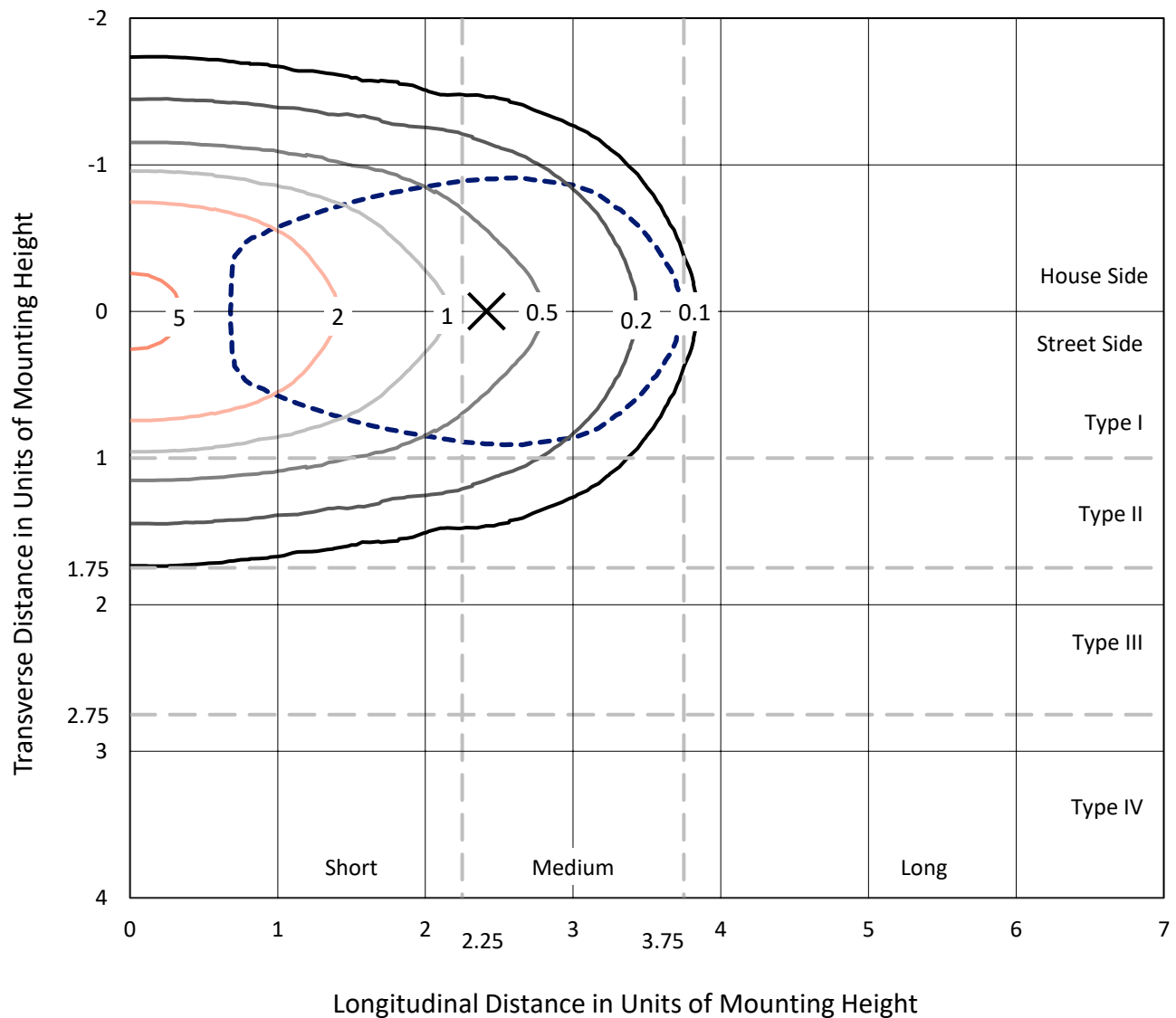
Input Watts (W): 17
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: 0.97
Total Harmonic Distortion (THDi): 13%
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT

REPORT NUMBER: P972394

CATALOG NUMBER: GKO-PB1C-722-U-T1

Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

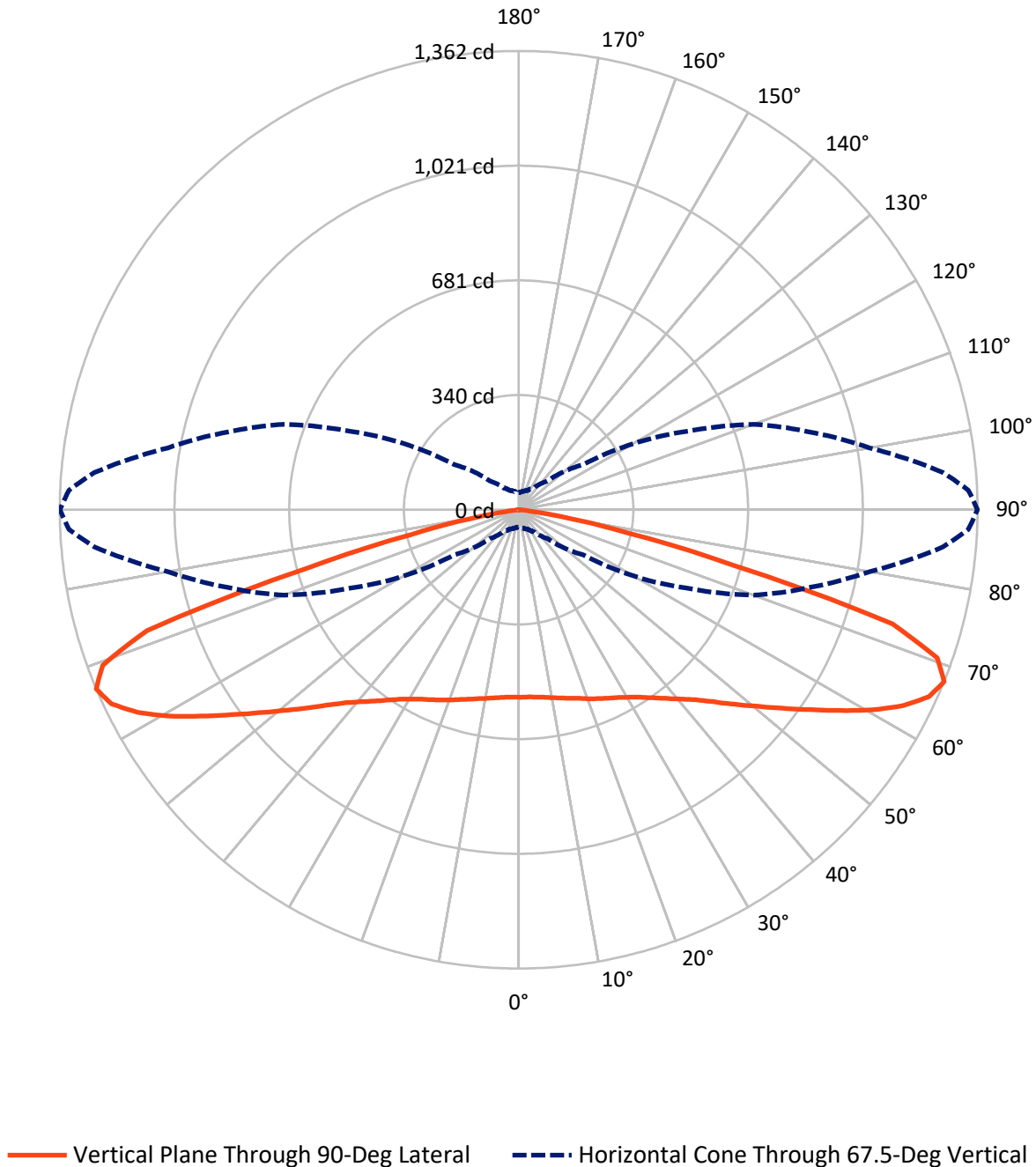


Based on 10 foot mounting height. Maximum calculated value = 5.6 fc
 Type I - Short - N/A

REPORT NUMBER: P972394

CATALOG NUMBER: GKO-PB1C-722-U-T1

Luminous Intensity Polar Plot



REPORT NUMBER: P972394

CATALOG NUMBER: GKO-PB1C-722-U-T1

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1121.8	0.0	1121.8
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	1121.8	0.0	1121.8
	% Fixture	50.0	0.0	50.0
Total	Lumens	2243.7	0.0	2243.7
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	53.4	2.4
10°-20°	160.9	7.2
20°-30°	267.6	11.9
30°-40°	355.4	15.8
40°-50°	400.7	17.9
50°-60°	412.0	18.4
60°-70°	389.4	17.4
70°-80°	190.6	8.5
80°-90°	13.6	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°	2243.7	100.0
0°-180°	2243.7	100.0

Coefficient of Utilization



REPORT NUMBER: P972394

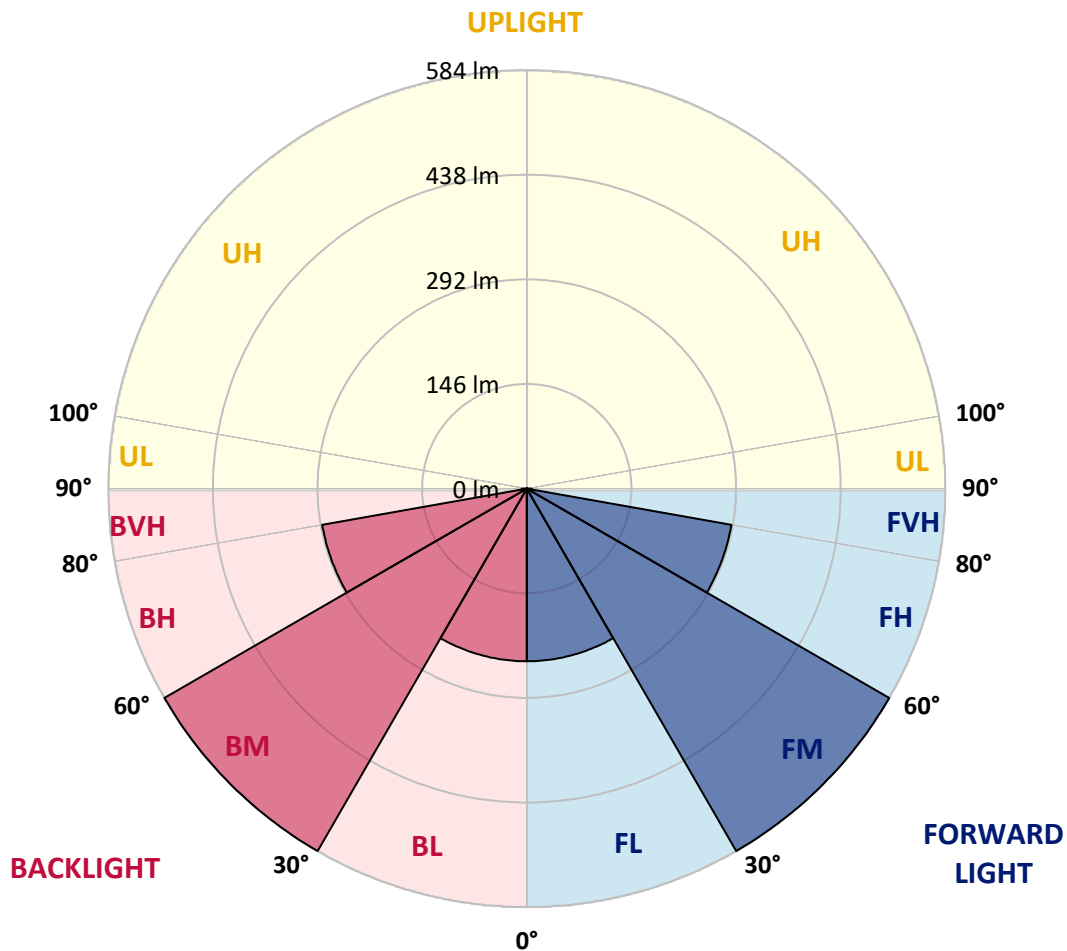
CATALOG NUMBER: GKO-PB1C-722-U-T1

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	240.9	10.7			
FM	(30°-60°)	584.1	26.0			
FH	(60°-80°)	290.0	12.9			G0/660
FVH	(80°-90°)	6.8	0.3			G0/10
BL	(0°-30°)	240.9	10.7	B1/500		
BM	(30°-60°)	584.1	26.0	B1/1000		
BH	(60°-80°)	290.0	12.9	B1/500		G1/500
BVH	(80°-90°)	6.8	0.3			G0/10
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G1

Type I Short



REPORT NUMBER: P972394

CATALOG NUMBER: GKO-PB1C-722-U-T1

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	70°	75°	80°
0°	556.7	556.7	556.7	556.7	556.7	556.7	556.7	556.7	556.7	556.7	556.7
2.5°	557.2	558.0	556.3	556.3	557.2	557.6	557.6	558.0	557.2	557.2	556.7
5°	557.2	557.6	556.7	556.7	557.6	558.8	558.4	559.2	559.2	558.8	558.8
7.5°	556.7	557.6	556.7	557.2	558.4	560.9	560.9	560.9	561.7	562.5	562.5
10°	556.3	557.2	557.6	558.0	559.6	563.4	564.2	564.6	565.8	567.1	567.1
12.5°	554.3	555.1	556.3	558.0	560.9	565.8	567.5	568.7	570.8	572.1	572.9
15°	551.4	551.8	554.7	558.0	562.5	568.7	572.1	574.1	577.0	578.7	579.9
17.5°	547.2	547.6	552.2	557.2	563.8	572.5	577.8	581.2	584.0	586.5	588.2
20°	541.9	543.1	548.5	556.3	565.8	576.2	584.0	589.8	592.7	595.2	597.7
22.5°	535.2	536.5	543.1	554.3	567.9	581.2	591.5	598.9	602.7	606.0	608.9
25°	525.3	527.0	534.8	549.3	568.7	586.5	599.8	609.3	612.6	616.7	619.2
27.5°	510.0	511.2	520.8	539.4	566.3	592.3	609.3	620.4	624.2	628.7	631.2
30°	486.0	488.5	500.1	523.2	560.1	596.9	620.4	631.6	636.2	640.7	644.0
32.5°	455.0	458.7	471.5	501.3	548.1	598.5	632.4	645.3	651.1	656.0	660.2
35°	416.5	420.2	435.6	473.2	529.0	595.2	644.4	661.0	668.0	674.6	679.6
37.5°	372.7	376.0	394.6	437.6	501.7	584.9	654.0	678.4	687.9	696.6	703.2
40°	328.4	332.1	352.4	398.3	468.6	565.0	658.1	697.4	709.4	720.5	728.8
42.5°	280.4	285.0	307.7	356.5	430.2	537.7	654.8	716.0	730.9	746.2	758.6
45°	237.8	238.7	263.5	310.6	388.0	502.6	643.2	733.8	754.0	775.6	793.3
47.5°	196.9	198.5	220.1	266.8	344.1	462.9	622.1	747.8	780.1	807.8	833.9
50°	160.5	162.6	182.0	223.8	300.3	419.4	593.6	756.1	802.4	840.1	876.5
52.5°	130.7	133.2	149.3	186.1	256.0	373.9	558.4	757.4	822.7	872.3	920.7
55°	108.8	110.4	122.8	152.2	213.4	326.8	518.3	751.2	835.9	901.3	965.8
57.5°	91.8	93.5	102.2	125.3	175.0	278.4	469.5	736.7	843.0	926.5	1011.3
60°	79.8	81.1	87.3	103.8	143.9	232.9	416.9	711.0	840.9	942.3	1049.0
62.5°	71.1	71.6	76.9	88.5	118.7	189.9	357.8	672.6	824.0	944.3	1074.6
65°	63.3	63.7	67.0	75.3	97.6	152.6	296.2	619.6	791.7	929.8	1078.3
67.5°	51.3	52.1	57.1	63.3	80.2	120.8	233.3	550.1	741.2	892.2	1057.2
70°	40.9	41.4	46.3	53.4	65.4	95.1	179.1	456.6	662.2	831.0	1002.6
72.5°	30.6	31.4	36.0	43.0	53.4	73.6	129.5	345.4	529.4	700.7	873.2
75°	24.4	24.8	26.5	33.1	41.4	55.8	87.3	209.3	318.9	433.5	535.2
77.5°	20.7	21.1	21.1	25.6	30.6	37.6	46.3	83.1	134.8	191.9	254.4
80°	17.0	17.8	16.1	19.0	21.9	21.9	21.5	39.7	63.7	90.2	118.3
82.5°	12.4	13.2	12.4	13.2	13.2	12.0	11.2	14.9	20.3	27.7	30.2
85°	8.7	9.1	9.9	9.1	8.7	7.0	5.4	4.1	2.5	2.9	4.1
87.5°	5.8	7.0	8.3	7.9	6.6	5.4	3.7	2.5	1.2	1.7	1.7
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: P972394

CATALOG NUMBER: GKO-PB1C-722-U-T1

CANDELA DISTRIBUTION (continued):

	85°	87.5°	90°
0°	556.7	556.7	556.7
2.5°	557.2	556.7	556.3
5°	559.2	558.8	558.4
7.5°	562.1	562.1	562.1
10°	566.7	567.5	567.5
12.5°	572.5	573.3	573.3
15°	579.5	579.9	580.7
17.5°	588.2	588.6	588.6
20°	598.5	598.1	598.9
22.5°	608.9	608.9	608.9
25°	619.6	619.6	619.6
27.5°	632.0	632.0	631.2
30°	645.7	645.7	645.7
32.5°	662.2	662.6	663.1
35°	683.3	684.1	685.4
37.5°	707.3	709.4	710.6
40°	735.8	736.7	738.7
42.5°	767.7	770.2	770.6
45°	807.4	811.5	813.2
47.5°	854.1	859.9	862.8
50°	906.3	912.9	917.0
52.5°	962.9	973.7	978.7
55°	1023.3	1041.9	1047.3
57.5°	1091.6	1116.8	1124.2
60°	1158.6	1194.2	1206.1
62.5°	1215.7	1265.7	1280.6
65°	1255.8	1316.2	1338.1
67.5°	1264.1	1335.6	1361.7
70°	1214.4	1287.6	1317.8
72.5°	1056.0	1122.2	1159.8
75°	623.8	671.3	659.7
77.5°	313.1	326.8	328.8
80°	137.3	145.6	148.9
82.5°	33.9	34.7	39.3
85°	4.5	5.4	5.0
87.5°	1.7	1.7	2.1
90°	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: SP2-2501-321-2

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

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

Photopic Flux vs. Wavelength

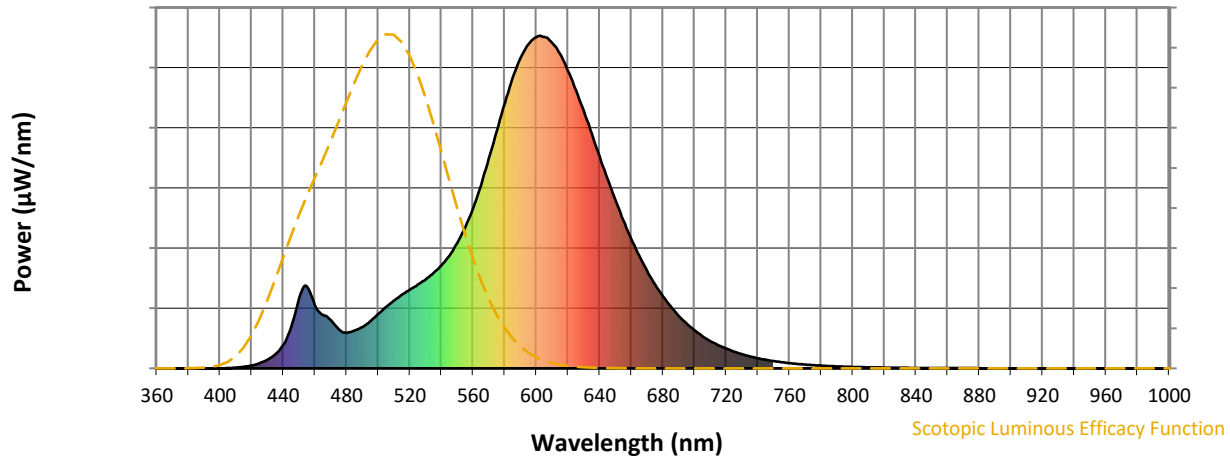


Photopic Lumens: NR

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	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			

REPORT NUMBER: SP2-2501-321-2

Scotopic Flux vs. Wavelength



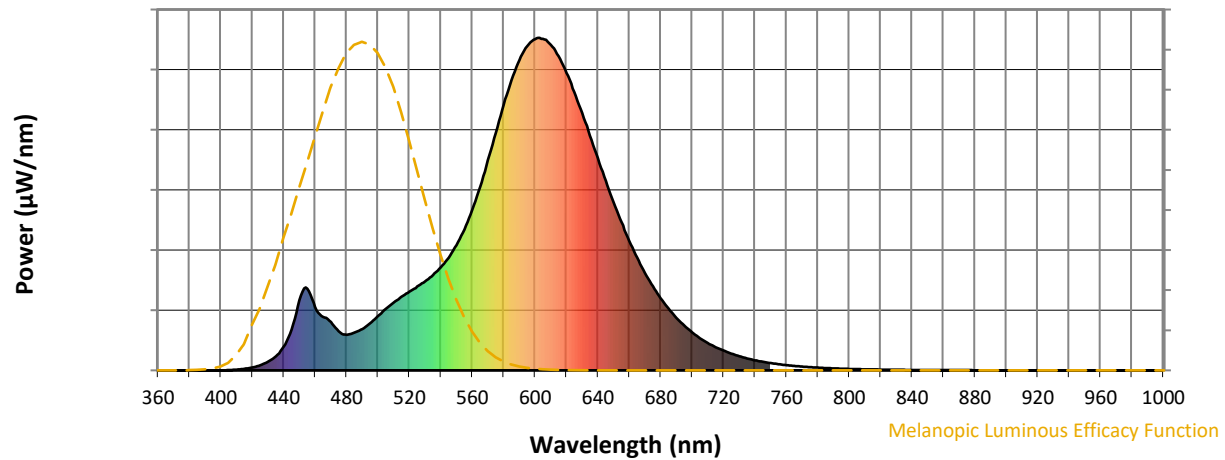
Scotopic Lumens: NR

S/P: 0.98

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	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			

REPORT NUMBER: SP2-2501-321-2

Melanopic Flux vs. Wavelength



Melanopic Lumens: NR

M/P: 1.75

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	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			

REPORT NUMBER: SP2-2501-321-2

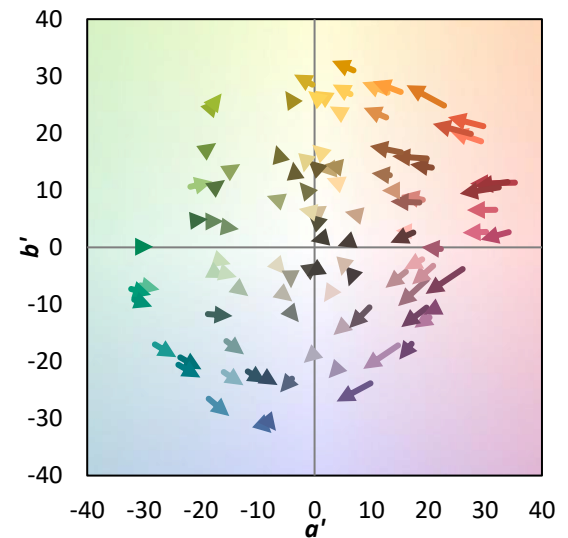
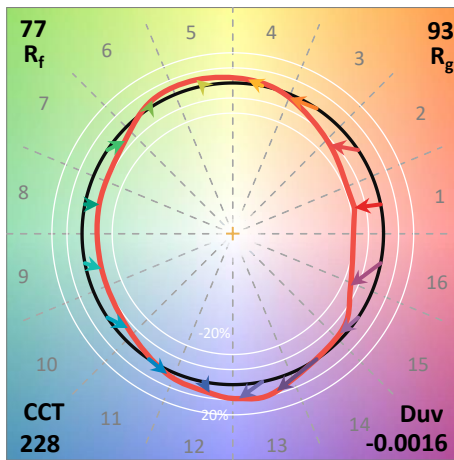
TM-30-18

Summary

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

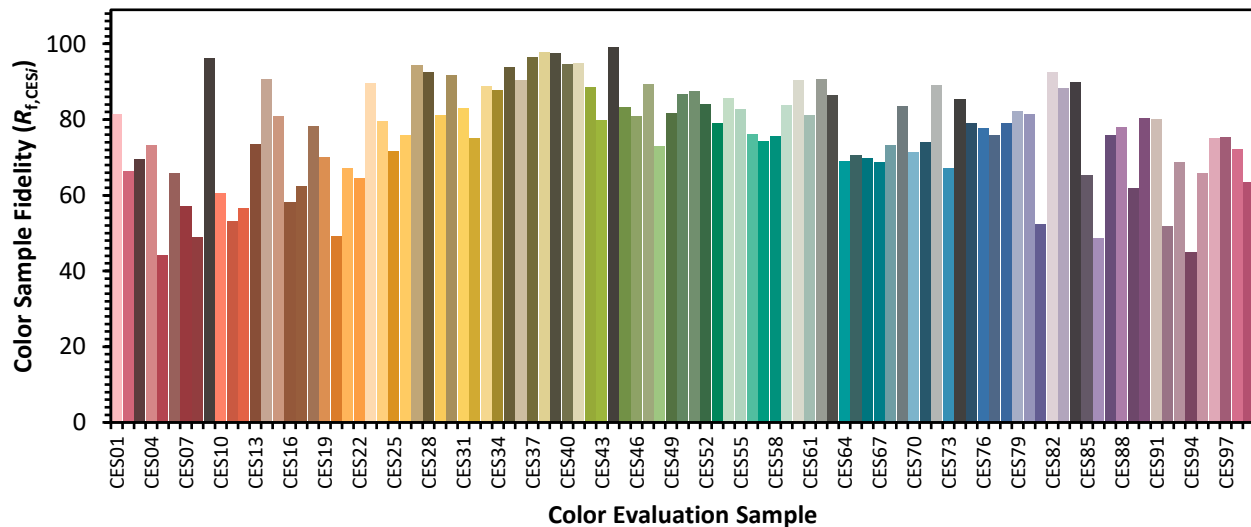


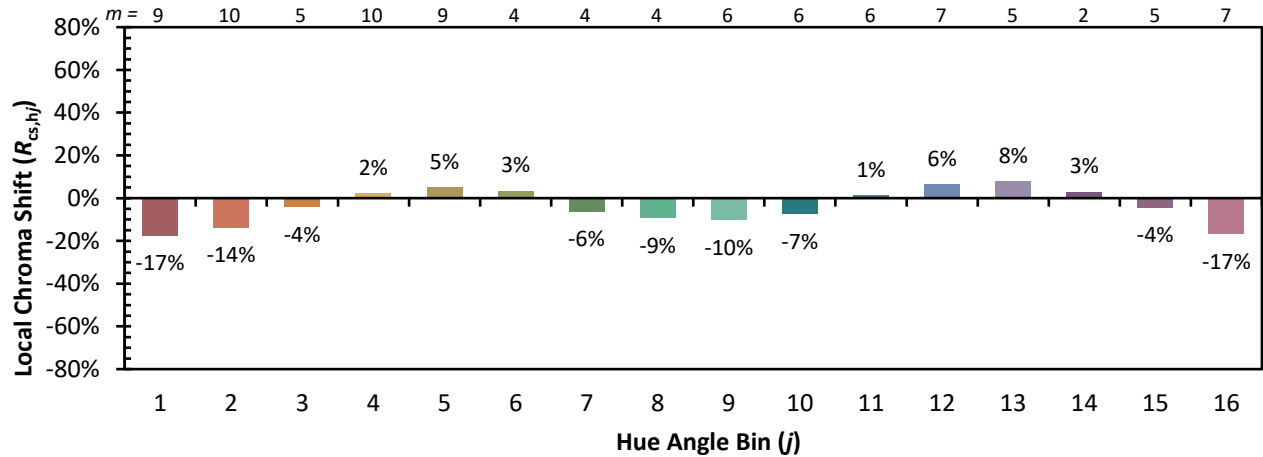
Color Vector Graphics



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	



Color Rendition by Hue-Angle Bin


Measure Comparisons



(END OF REPORT)