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: P972357

Luminaire Tested: **GKO-PB2E-727-U-T2U**

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:	P972357
Test Lab:	INNOVATION CENTER(G1)
Issue Date:	02/27/2025
Manufacturer:	COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line:	McGRAW-EDISON
Catalog Number:	GKO-PB2E-727-U-T2U
Description:	GEKKO WALL PACK 12000LM PACKAGE 70CRI 2700K FIXTURE w/ TYPE II URBAN DISTRIBUTION OPTIC
Light Source:	(20) 2700K CCT, 70 CRI LEDS
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	11808.3 lumens
Efficiency:	N/A
Efficacy:	112.8 lumens/watt
Luminous Opening:	Rectangular (W 0.67' x L: 0.33' x H: 0')
IES Classification:	Type II - Medium
BUG Rating:	B3 - U0 - G3

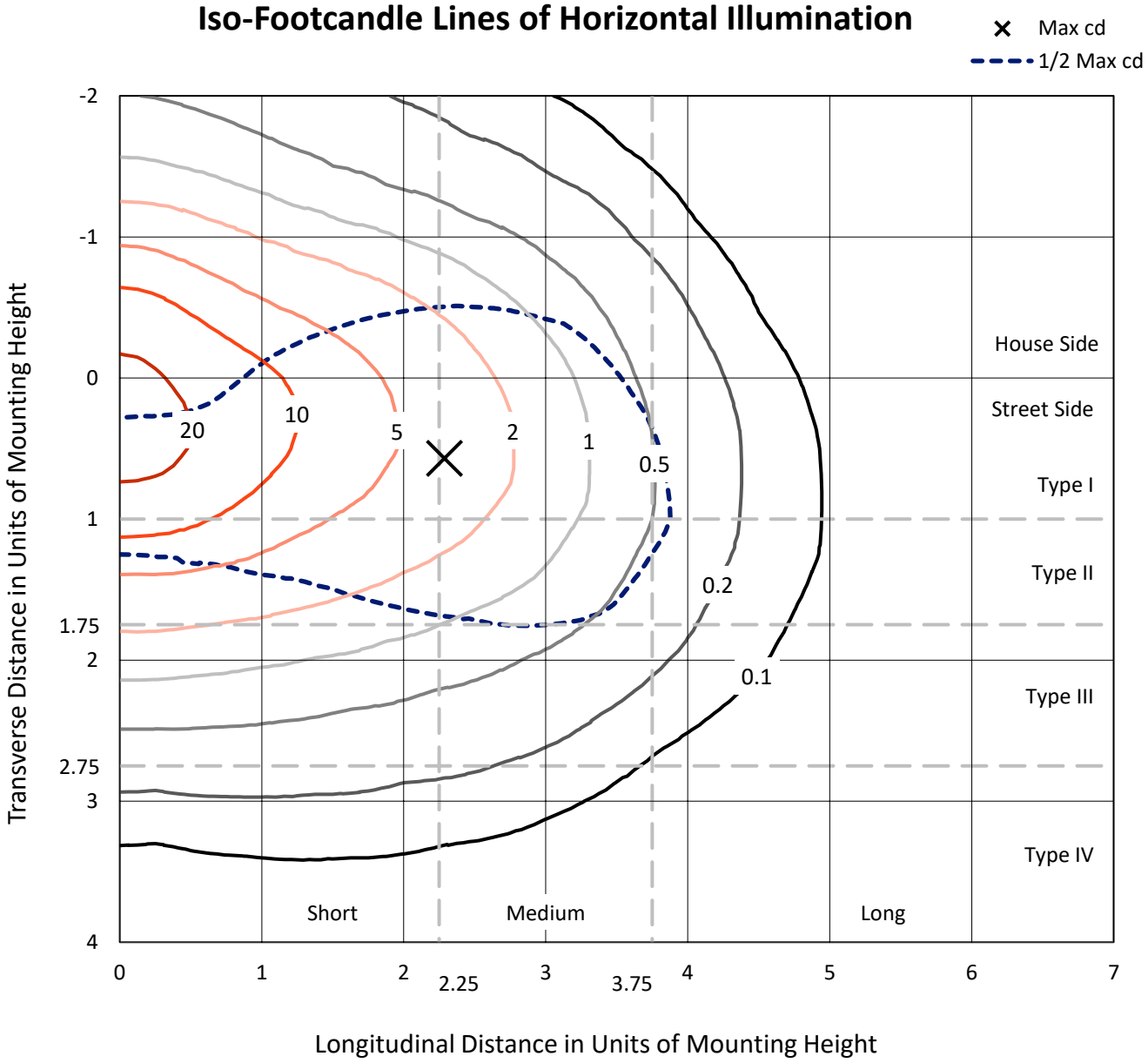
Input Watts (W):	104.7
Input Voltage (V):	120
Input Current (Ain):	NR
Voltage Rise (V):	NR
Power Factor:	0.97
Total Harmonic Distortion (THDi):	6%
Frequency (hertz):	60
Stabilization Time:	NR
Operation Time:	NR
Ambient Temperature (°C):	NR
Test Distance:	28.75 FT

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

Scaled Data Report

REPORT NUMBER: P972357
CATALOG NUMBER: GKO-PB2E-727-U-T2U

Iso-Footcandle Lines of Horizontal Illumination



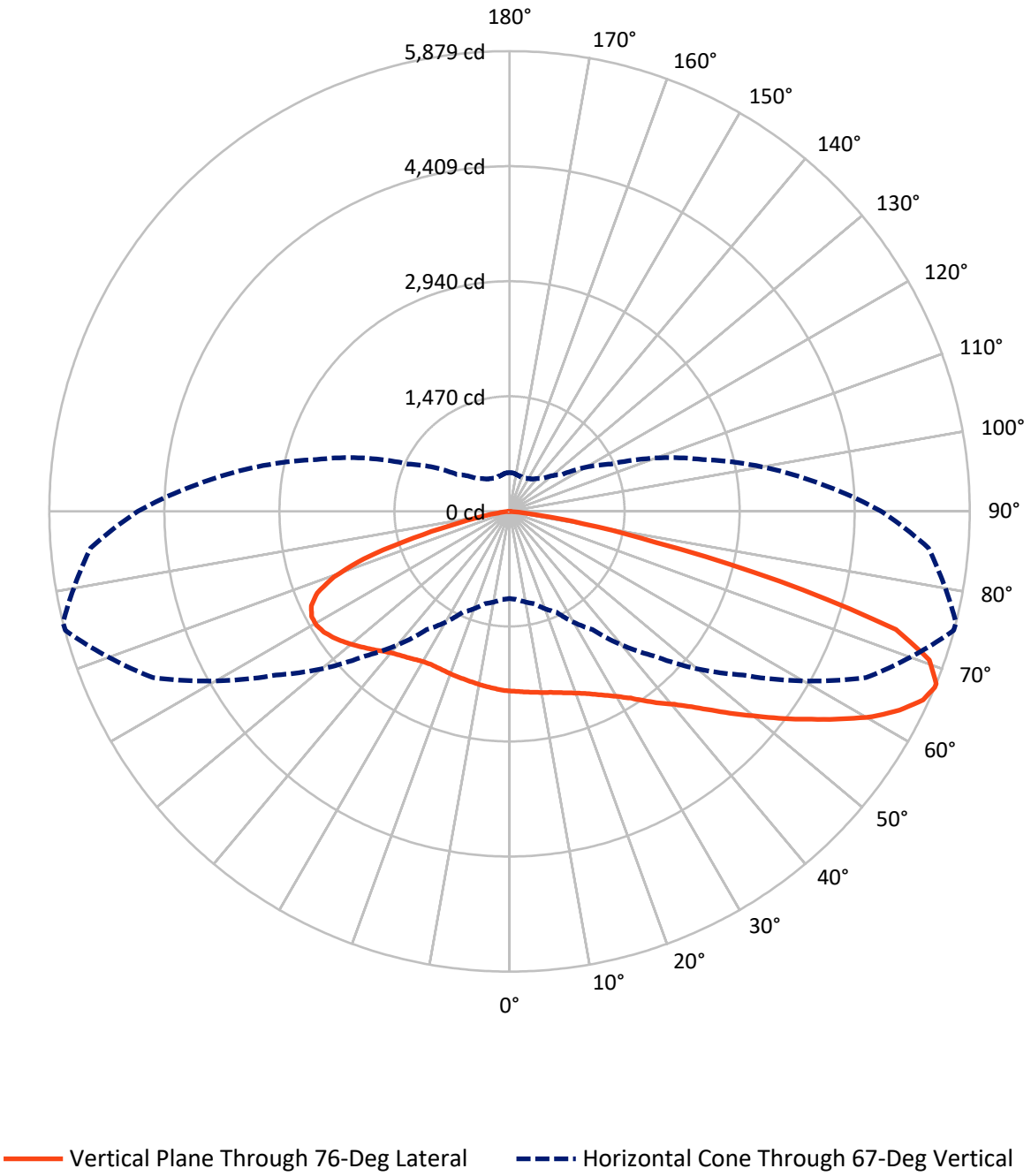
Based on 10 foot mounting height. Maximum calculated value = 25.9 fc
Type II - Medium - N/A

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

Scaled Data Report

REPORT NUMBER: P972357
CATALOG NUMBER: GKO-PB2E-727-U-T2U

Luminous Intensity Polar Plot



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

Scaled Data Report

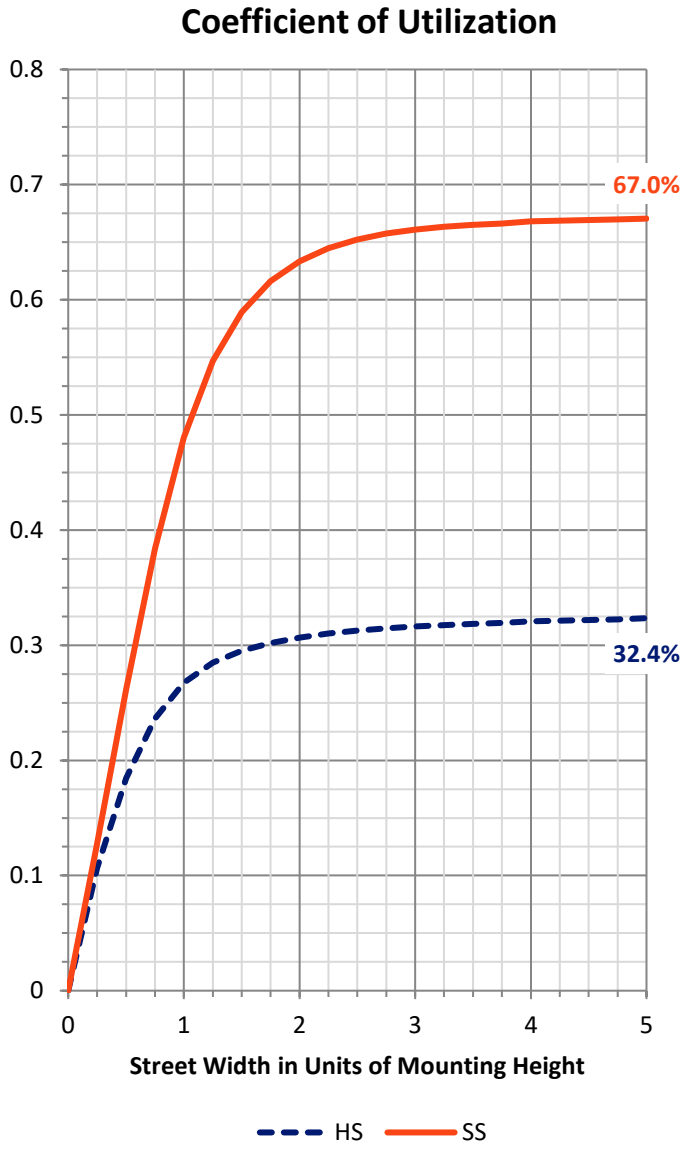
REPORT NUMBER: P972357
CATALOG NUMBER: GKO-PB2E-727-U-T2U

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3895.8	0.0	3895.8
	% Fixture	33.0	0.0	33.0
Street Side	Lumens	7912.6	0.0	7912.6
	% Fixture	67.0	0.0	67.0
Total	Lumens	11808.3	0.0	11808.3
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	220.7	1.9
10°-20°	675.0	5.7
20°-30°	1161.3	9.8
30°-40°	1668.8	14.1
40°-50°	2116.3	17.9
50°-60°	2323.9	19.7
60°-70°	2253.8	19.1
70°-80°	1244.3	10.5
80°-90°	144.3	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°	11808.3	100.0
0°-180°	11808.3	100.0



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

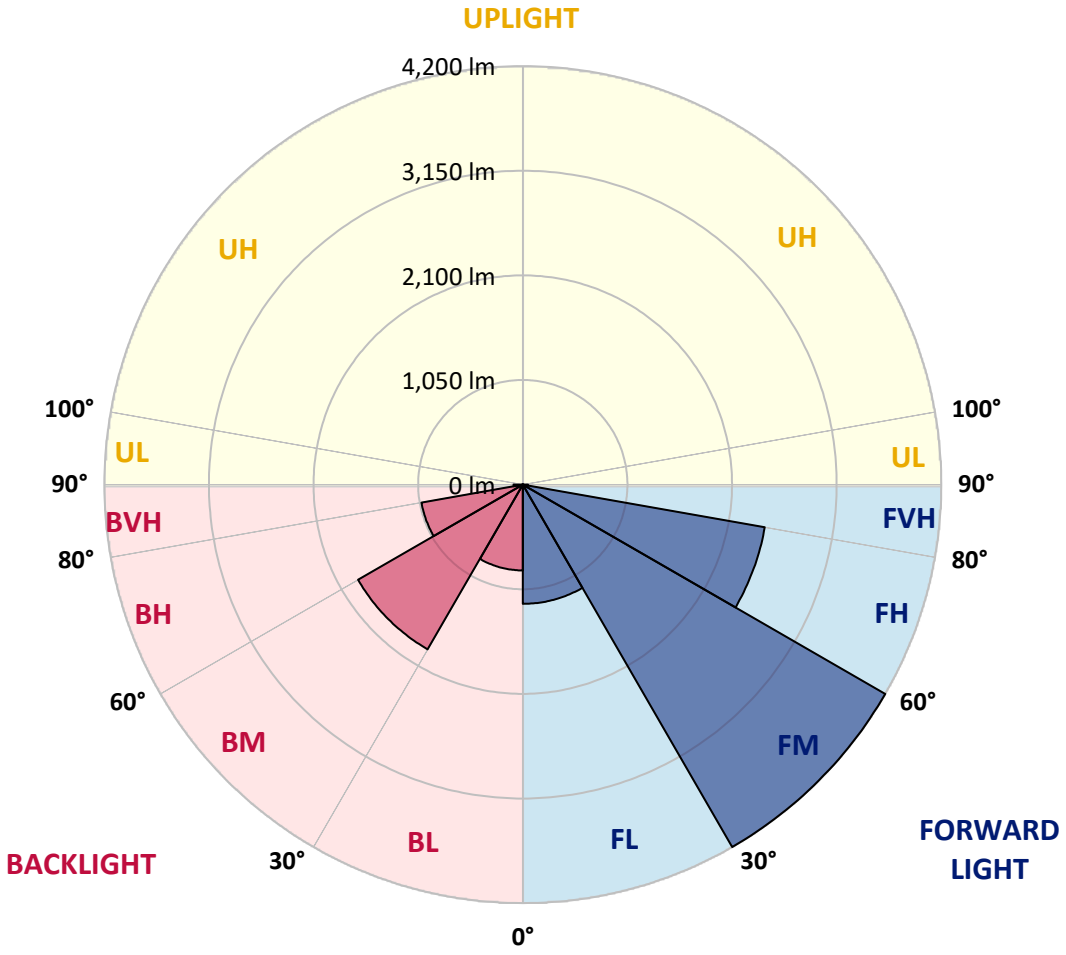
Scaled Data Report

REPORT NUMBER: P972357
CATALOG NUMBER: GKO-PB2E-727-U-T2U

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	1196.2	10.1			
FM	(30°-60°)	4199.9	35.6			
FH	(60°-80°)	2465.5	20.9			G2/5000
FVH	(80°-90°)	51.0	0.4			G1/100
BL	(0°-30°)	860.8	7.3	B2/1000		
BM	(30°-60°)	1909.0	16.2	B2/2500		
BH	(60°-80°)	1032.7	8.7	B3/2500		G3/2500
BVH	(80°-90°)	93.3	0.8			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G3
Type II Medium



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

Scaled Data Report

REPORT NUMBER: P972357
CATALOG NUMBER: GKO-PB2E-727-U-T2U

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	76°	85°
0°	2295.4	2295.4	2295.4	2295.4	2295.4	2295.4	2295.4	2295.4	2295.4	*2295.4*	2295.4
2.5°	2363.9	2361.6	2359.4	2359.4	2350.2	2341.1	2332.0	2325.1	2306.8	*2304.5*	2295.4
5°	2434.7	2434.7	2427.9	2425.6	2411.9	2389.1	2368.5	2347.9	2322.8	*2318.3*	2297.7
7.5°	2526.1	2526.1	2514.7	2505.5	2485.0	2448.4	2411.9	2375.4	2338.8	*2334.2*	2302.3
10°	2642.6	2642.6	2633.4	2612.9	2569.5	2521.5	2462.1	2405.0	2357.1	*2352.5*	2306.8
12.5°	2763.6	2765.9	2752.2	2722.5	2670.0	2596.9	2523.8	2441.6	2379.9	*2373.1*	2316.0
15°	2887.0	2889.2	2880.1	2848.1	2777.3	2688.3	2590.0	2491.8	2409.6	*2402.8*	2329.7
17.5°	3008.0	3012.6	3003.4	2966.9	2884.7	2788.8	2667.7	2544.4	2446.2	*2437.0*	2352.5
20°	3122.2	3122.2	3122.2	3081.1	3001.2	2891.5	2752.2	2608.3	2487.3	*2478.1*	2379.9
22.5°	3225.0	3229.6	3236.4	3213.6	3122.2	3001.2	2850.4	2679.1	2539.8	*2528.4*	2414.2
25°	3327.8	3330.1	3348.3	3332.3	3243.3	3117.6	2955.5	2768.2	2603.7	*2592.3*	2455.3
27.5°	3446.5	3453.4	3464.8	3458.0	3357.5	3234.1	3072.0	2866.4	2674.6	*2663.1*	2505.5
30°	3585.9	3585.9	3592.7	3581.3	3480.8	3357.5	3188.5	2969.2	2763.6	*2745.4*	2567.2
32.5°	3700.1	3711.5	3706.9	3702.3	3597.3	3473.9	3307.2	3083.4	2866.4	*2843.6*	2651.7
35°	3807.4	3809.7	3807.4	3812.0	3706.9	3590.4	3432.8	3215.9	2980.6	*2971.5*	2759.1
37.5°	3869.1	3873.6	3885.1	3898.8	3805.1	3695.5	3558.5	3362.0	3122.2	*3106.2*	2887.0
40°	3898.8	3905.6	3967.3	3987.8	3887.4	3796.0	3690.9	3494.5	3259.3	*3241.0*	3014.9
42.5°	3944.5	3999.3	4031.2	4035.8	3949.0	3869.1	3805.1	3645.2	3428.3	*3412.3*	3186.2
45°	3793.7	3773.2	3857.7	3955.9	3951.3	3917.0	3914.8	3814.3	3636.1	*3620.1*	3380.3
47.5°	3604.1	3588.1	3633.8	3777.7	3880.5	3937.6	4022.1	4013.0	3887.4	*3864.5*	3606.4
50°	3151.9	3179.3	3403.1	3599.6	3777.7	3944.5	4113.5	4220.8	4131.7	*4113.5*	3846.2
52.5°	2729.4	2747.6	2900.7	3368.9	3645.2	3923.9	4193.4	4440.1	4417.2	*4396.7*	4108.9
55°	2432.5	2450.7	2695.1	2994.3	3448.8	3818.8	4245.9	4647.9	4707.3	*4686.7*	4387.5
57.5°	2121.8	2151.5	2318.3	2580.9	3186.2	3645.2	4264.2	4858.0	5022.5	*5004.2*	4654.8
60°	1822.6	1863.7	1961.9	2247.4	2861.8	3439.7	4216.2	5027.1	5326.3	*5326.3*	4931.1
62.5°	1546.3	1569.1	1671.9	1930.0	2450.7	3177.0	4095.2	5134.4	5604.9	*5593.5*	5173.2
65°	1317.9	1329.3	1411.5	1633.1	2105.8	2887.0	3885.1	5127.6	5803.6	*5805.9*	5333.1
67°	*1112.3*	*1130.6*	*1221.9*	*1422.9*	*1843.2*	*2612.9*	*3643.0*	*5024.8*	*5874.4*	*5879.0*	*5371.9*
67.5°	1041.5	1062.1	1162.6	1370.4	1788.4	2537.5	3585.9	4981.4	5869.9	*5879.0*	5360.5
70°	717.2	721.7	890.8	1128.3	1470.9	2137.8	3190.7	4679.9	5696.3	*5689.4*	5111.6
72.5°	456.8	449.9	612.1	824.5	1183.1	1731.3	2692.8	4152.3	5168.7	*5161.8*	4506.3
75°	303.8	310.6	413.4	589.3	831.4	1338.4	2099.0	3133.6	3590.4	*3563.0*	2973.8
77.5°	217.0	212.4	255.8	424.8	557.3	813.1	1139.7	1667.3	1907.1	*1907.1*	1633.1
80°	118.8	121.1	139.3	235.3	315.2	317.5	427.1	835.9	931.9	*952.4*	792.5
82.5°	34.3	36.5	50.2	79.9	86.8	95.9	148.5	239.8	251.2	*264.9*	214.7
85°	0.0	0.0	0.0	2.3	9.1	11.4	11.4	13.7	22.8	*22.8*	25.1
87.5°	0.0	0.0	0.0	0.0	0.0	2.3	2.3	4.6	9.1	*9.1*	11.4
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: P972357
CATALOG NUMBER: GKO-PB2E-727-U-T2U

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	2295.4	2295.4	2295.4	2295.4	2295.4	2295.4	2295.4	2295.4	2295.4	2295.4	2295.4
2.5°	2293.1	2295.4	2286.3	2274.9	2265.7	2261.2	2247.4	2236.0	2242.9	2249.7	2249.7
5°	2290.8	2288.6	2270.3	2249.7	2236.0	2226.9	2204.1	2188.1	2190.3	2197.2	2194.9
7.5°	2290.8	2281.7	2256.6	2226.9	2204.1	2185.8	2156.1	2137.8	2135.5	2140.1	2135.5
10°	2293.1	2277.1	2242.9	2201.8	2169.8	2142.4	2105.8	2085.3	2078.4	2080.7	2076.1
12.5°	2297.7	2272.6	2229.2	2176.6	2135.5	2099.0	2057.9	2032.8	2028.2	2032.8	2032.8
15°	2304.5	2272.6	2217.8	2153.8	2099.0	2057.9	2016.8	1993.9	1993.9	1996.2	1996.2
17.5°	2318.3	2279.4	2208.6	2128.7	2062.4	2016.8	1980.2	1964.2	1966.5	1973.4	1973.4
20°	2332.0	2288.6	2199.5	2103.6	2030.5	1977.9	1948.2	1936.8	1946.0	1955.1	1955.1
22.5°	2352.5	2300.0	2190.3	2080.7	1993.9	1941.4	1916.3	1907.1	1916.3	1927.7	1923.1
25°	2384.5	2320.5	2183.5	2060.2	1959.7	1902.6	1877.4	1868.3	1872.9	1882.0	1882.0
27.5°	2421.0	2345.7	2181.2	2035.0	1918.6	1856.9	1827.2	1813.5	1813.5	1815.8	1818.1
30°	2482.7	2389.1	2190.3	2016.8	1882.0	1808.9	1770.1	1749.5	1747.3	1756.4	1756.4
32.5°	2555.8	2448.4	2213.2	2000.8	1845.5	1751.8	1699.3	1683.3	1678.7	1685.6	1678.7
35°	2638.0	2514.7	2242.9	1998.5	1808.9	1690.2	1630.8	1612.5	1598.8	1594.2	1589.7
37.5°	2754.5	2606.0	2272.6	1987.1	1772.4	1623.9	1560.0	1521.1	1505.1	1500.6	1500.6
40°	2868.7	2695.1	2309.1	1968.8	1729.0	1557.7	1466.3	1422.9	1416.1	1416.1	1416.1
42.5°	3012.6	2811.6	2359.4	1957.4	1676.4	1491.4	1365.8	1315.6	1315.6	1315.6	1313.3
45°	3190.7	2964.6	2423.3	1952.8	1626.2	1411.5	1258.5	1192.2	1190.0	1187.7	1185.4
47.5°	3398.6	3124.5	2485.0	1941.4	1566.8	1315.6	1135.1	1062.1	1046.1	1041.5	1034.6
50°	3613.3	3298.1	2551.2	1925.4	1496.0	1203.7	1018.7	934.2	899.9	888.5	893.0
52.5°	3841.7	3467.1	2615.2	1902.6	1411.5	1091.7	899.9	810.8	776.6	762.9	760.6
55°	4065.5	3638.4	2674.6	1872.9	1320.1	977.5	799.4	712.6	682.9	678.3	678.3
57.5°	4291.6	3802.8	2720.2	1829.5	1219.7	877.1	712.6	641.8	621.2	630.4	630.4
60°	4497.2	3946.7	2743.1	1770.1	1119.2	785.7	644.1	591.6	582.4	605.3	603.0
62.5°	4682.2	4042.7	2731.7	1683.3	1020.9	708.0	591.6	552.7	555.0	582.4	584.7
65°	4771.3	4058.7	2665.4	1564.5	911.3	641.8	536.7	500.2	504.8	534.5	541.3
67°	*4750.7*	*3997.0*	*2555.8*	*1429.8*	*822.2*	*591.6*	*502.5*	*465.9*	*468.2*	*493.3*	*495.6*
67.5°	4727.9	3967.3	2526.1	1388.7	799.4	582.4	493.3	459.1	463.7	486.5	486.5
70°	4424.1	3665.8	2252.0	1178.5	692.0	518.5	449.9	427.1	431.7	445.4	445.4
72.5°	3866.8	3174.7	1822.6	945.6	587.0	459.1	406.6	392.8	392.8	392.8	381.4
75°	2466.7	1989.4	1192.2	724.0	484.2	392.8	365.4	349.5	340.3	354.0	349.5
77.5°	1363.5	1039.2	621.2	415.7	349.5	326.6	317.5	310.6	308.3	340.3	331.2
80°	646.4	513.9	349.5	237.5	201.0	242.1	274.1	269.5	322.0	440.8	443.1
82.5°	205.6	169.0	141.6	130.2	134.8	173.6	212.4	244.4	418.0	472.8	465.9
85°	25.1	22.8	16.0	52.5	89.1	127.9	164.4	317.5	383.7	319.8	301.5
87.5°	9.1	9.1	9.1	36.5	68.5	98.2	148.5	319.8	235.3	214.7	196.4
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: SP2-2501-321-3

Test Date: 04/09/2025

Luminaire Tested: GKO-PB1E-727-U-T4W

Data in this report applies to families of products including GKO-PB1E-727-U-T4W

Report Generated By FNC07603 / LDUCLS01DT447
Version: v7.04

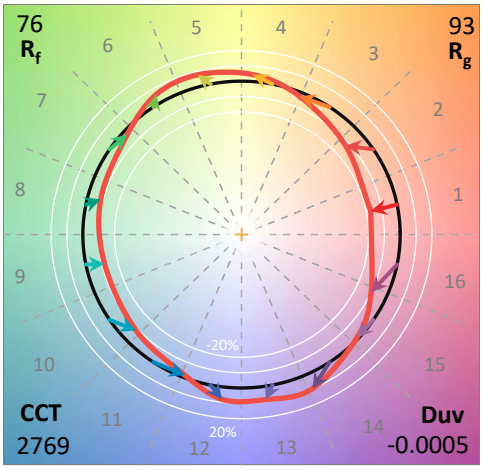
Test Information

Test Method:	LM-79-2019
Report Number:	SP2-2501-321-3
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-727-U-T4W**
Description:	Gekko Wedge Wall Pack Fixture 1 SQ w/ T4W distribution

Spectral Parameters

CCT (K):	2769
CIE u':	0.2596
CIE v':	0.5253
Duv:	-0.0005
CIE x:	0.4535
CIE y:	0.4078
CIE z:	0.1387
Peak Wavelength (nm):	597
Dominant Wavelength (nm):	584
Purity:	58.54014
Rf:	75.7
Rg:	93.2

CRI (Ra):	71.7				
R1:	68.0	R9:	-34.5		
R2:	84.0	R10:	64.3		
R3:	94.6	R11:	60.9		
R4:	65.9	R12:	54.4		
R5:	67.3	R13:	71.2		
R6:	78.7	R14:	97.6		
R7:	75.2	R15:	59.5		
R8:	39.8				



Test Conditions

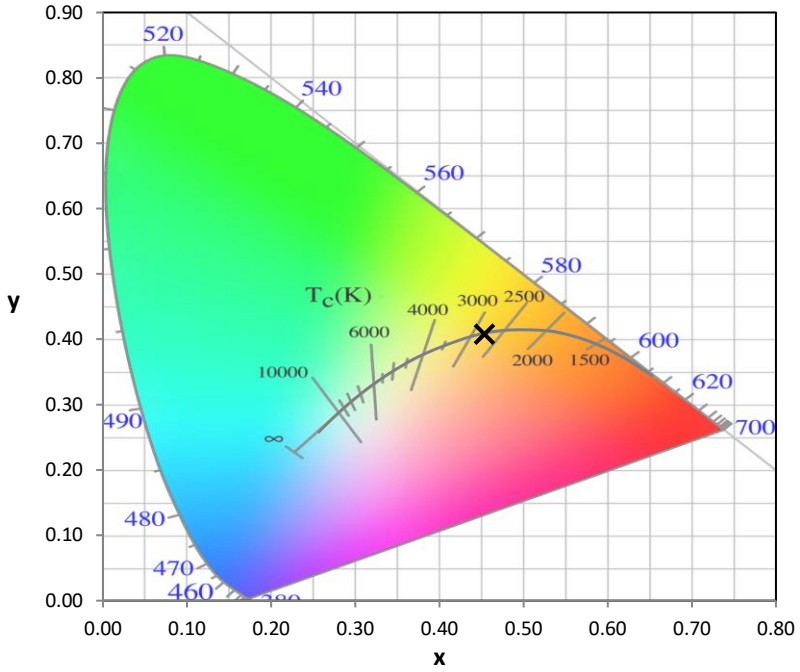
Stabilization Time:	36M
Operation Time:	1H 36M
Sphere Temperature (°C):	25.0

REPORT NUMBER: SP2-2501-321-3

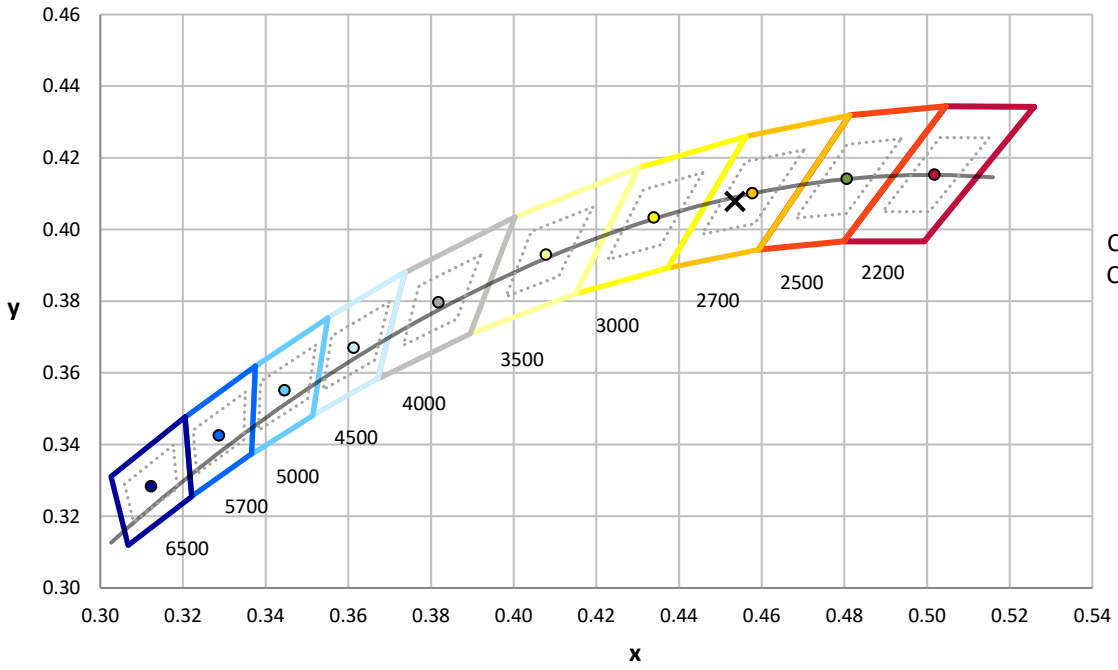
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN2187	1/6/2025	7/6/2025
Power Meter	INXT2011002	1/21/2025	1/21/2026
AC Power Source	IN0458	10/22/2024	10/22/2025
DC Power Source	IN0212	10/22/2024	10/22/2025
Sphere Thermometer	IN4036B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

REPORT NUMBER: SP2-2501-321-3

CIE 1931 Chromaticity Diagram



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

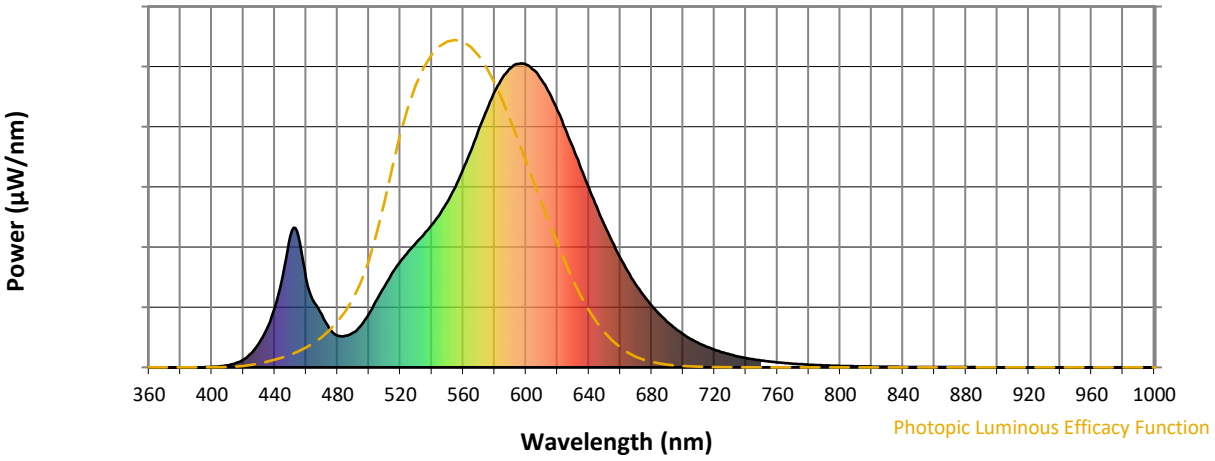


CCT = 2769K
CIE x = 0.4535
CIE y = 0.4078
Duv = -0.0005

Point lies inside the ANSI 2700K 4-step quadrangle

REPORT NUMBER: SP2-2501-321-3

Photopic Flux vs. Wavelength

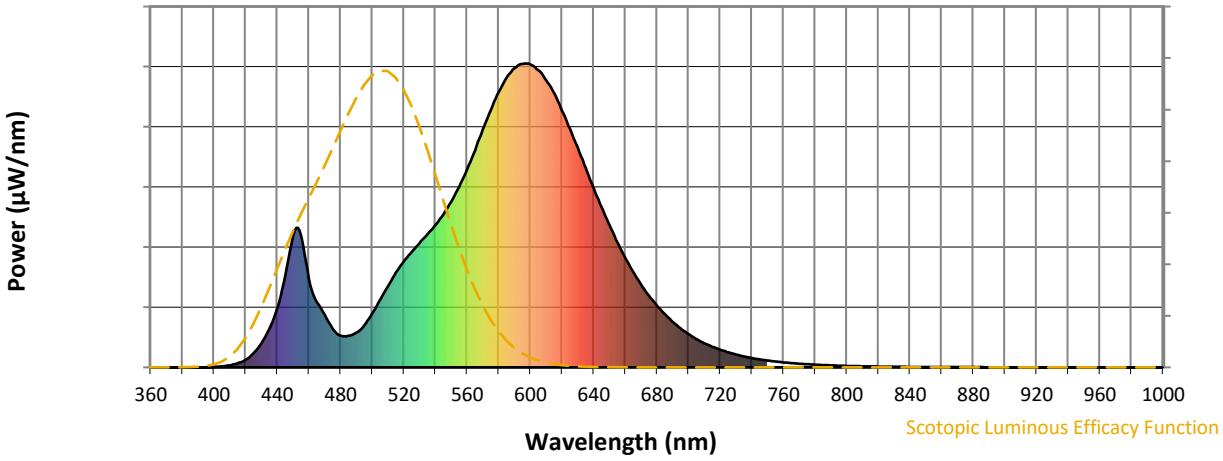


Photopic Lumens: NR

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	844	NR	750	22	NR	880	1	NR
365	0	NR	495	138	NR	625	785	NR	755	19	NR	885	1	NR
370	0	NR	500	176	NR	630	722	NR	760	16	NR	890	1	NR
375	0	NR	505	222	NR	635	655	NR	765	14	NR	895	0	NR
380	0	NR	510	268	NR	640	591	NR	770	12	NR	900	0	NR
385	0	NR	515	311	NR	645	527	NR	775	10	NR	905	0	NR
390	0	NR	520	348	NR	650	467	NR	780	9	NR	910	0	NR
395	0	NR	525	381	NR	655	412	NR	785	8	NR	915	0	NR
400	2	NR	530	410	NR	660	360	NR	790	7	NR	920	0	NR
405	4	NR	535	438	NR	665	314	NR	795	6	NR	925	0	NR
410	7	NR	540	469	NR	670	272	NR	800	5	NR	930	0	NR
415	13	NR	545	503	NR	675	236	NR	805	4	NR	935	0	NR
420	25	NR	550	544	NR	680	203	NR	810	4	NR	940	0	NR
425	46	NR	555	594	NR	685	175	NR	815	3	NR	945	0	NR
430	79	NR	560	652	NR	690	149	NR	820	3	NR	950	0	NR
435	128	NR	565	714	NR	695	128	NR	825	2	NR	955	0	NR
440	196	NR	570	783	NR	700	109	NR	830	2	NR	960	0	NR
445	299	NR	575	847	NR	705	93	NR	835	2	NR	965	0	NR
450	433	NR	580	906	NR	710	80	NR	840	2	NR	970	0	NR
455	433	NR	585	953	NR	715	68	NR	845	1	NR	975	0	NR
460	293	NR	590	985	NR	720	58	NR	850	1	NR	980	0	NR
465	215	NR	595	998	NR	725	50	NR	855	1	NR	985	0	NR
470	173	NR	600	997	NR	730	42	NR	860	1	NR	990	0	NR
475	127	NR	605	978	NR	735	36	NR	865	1	NR	995	0	NR
480	104	NR	610	945	NR	740	30	NR	870	1	NR	1000	0	NR
485	104	NR	615	902	NR	745	26	NR	875	1	NR			

REPORT NUMBER: SP2-2501-321-3

Scotopic Flux vs. Wavelength

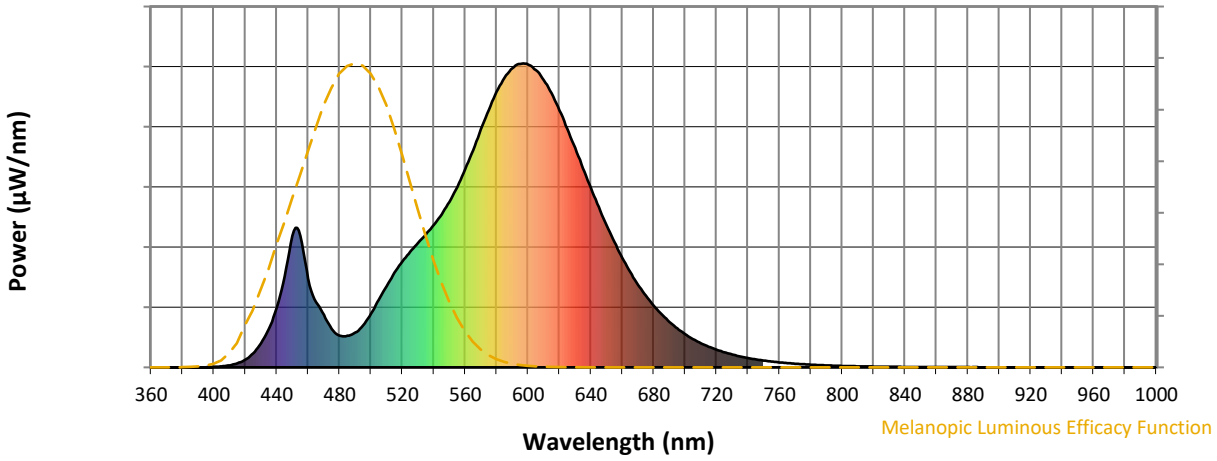


Scotopic Lumens: NR **S/P: 1.14**

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	844	NR	750	22	NR	880	1	NR
365	0	NR	495	138	NR	625	785	NR	755	19	NR	885	1	NR
370	0	NR	500	176	NR	630	722	NR	760	16	NR	890	1	NR
375	0	NR	505	222	NR	635	655	NR	765	14	NR	895	0	NR
380	0	NR	510	268	NR	640	591	NR	770	12	NR	900	0	NR
385	0	NR	515	311	NR	645	527	NR	775	10	NR	905	0	NR
390	0	NR	520	348	NR	650	467	NR	780	9	NR	910	0	NR
395	0	NR	525	381	NR	655	412	NR	785	8	NR	915	0	NR
400	2	NR	530	410	NR	660	360	NR	790	7	NR	920	0	NR
405	4	NR	535	438	NR	665	314	NR	795	6	NR	925	0	NR
410	7	NR	540	469	NR	670	272	NR	800	5	NR	930	0	NR
415	13	NR	545	503	NR	675	236	NR	805	4	NR	935	0	NR
420	25	NR	550	544	NR	680	203	NR	810	4	NR	940	0	NR
425	46	NR	555	594	NR	685	175	NR	815	3	NR	945	0	NR
430	79	NR	560	652	NR	690	149	NR	820	3	NR	950	0	NR
435	128	NR	565	714	NR	695	128	NR	825	2	NR	955	0	NR
440	196	NR	570	783	NR	700	109	NR	830	2	NR	960	0	NR
445	299	NR	575	847	NR	705	93	NR	835	2	NR	965	0	NR
450	433	NR	580	906	NR	710	80	NR	840	2	NR	970	0	NR
455	433	NR	585	953	NR	715	68	NR	845	1	NR	975	0	NR
460	293	NR	590	985	NR	720	58	NR	850	1	NR	980	0	NR
465	215	NR	595	998	NR	725	50	NR	855	1	NR	985	0	NR
470	173	NR	600	997	NR	730	42	NR	860	1	NR	990	0	NR
475	127	NR	605	978	NR	735	36	NR	865	1	NR	995	0	NR
480	104	NR	610	945	NR	740	30	NR	870	1	NR	1000	0	NR
485	104	NR	615	902	NR	745	26	NR	875	1	NR			

REPORT NUMBER: SP2-2501-321-3

Melanopic Flux vs. Wavelength



Melanopic Lumens: NR **M/P: 2.08**

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	844	NR	750	22	NR	880	1	NR
365	0	NR	495	138	NR	625	785	NR	755	19	NR	885	1	NR
370	0	NR	500	176	NR	630	722	NR	760	16	NR	890	1	NR
375	0	NR	505	222	NR	635	655	NR	765	14	NR	895	0	NR
380	0	NR	510	268	NR	640	591	NR	770	12	NR	900	0	NR
385	0	NR	515	311	NR	645	527	NR	775	10	NR	905	0	NR
390	0	NR	520	348	NR	650	467	NR	780	9	NR	910	0	NR
395	0	NR	525	381	NR	655	412	NR	785	8	NR	915	0	NR
400	2	NR	530	410	NR	660	360	NR	790	7	NR	920	0	NR
405	4	NR	535	438	NR	665	314	NR	795	6	NR	925	0	NR
410	7	NR	540	469	NR	670	272	NR	800	5	NR	930	0	NR
415	13	NR	545	503	NR	675	236	NR	805	4	NR	935	0	NR
420	25	NR	550	544	NR	680	203	NR	810	4	NR	940	0	NR
425	46	NR	555	594	NR	685	175	NR	815	3	NR	945	0	NR
430	79	NR	560	652	NR	690	149	NR	820	3	NR	950	0	NR
435	128	NR	565	714	NR	695	128	NR	825	2	NR	955	0	NR
440	196	NR	570	783	NR	700	109	NR	830	2	NR	960	0	NR
445	299	NR	575	847	NR	705	93	NR	835	2	NR	965	0	NR
450	433	NR	580	906	NR	710	80	NR	840	2	NR	970	0	NR
455	433	NR	585	953	NR	715	68	NR	845	1	NR	975	0	NR
460	293	NR	590	985	NR	720	58	NR	850	1	NR	980	0	NR
465	215	NR	595	998	NR	725	50	NR	855	1	NR	985	0	NR
470	173	NR	600	997	NR	730	42	NR	860	1	NR	990	0	NR
475	127	NR	605	978	NR	735	36	NR	865	1	NR	995	0	NR
480	104	NR	610	945	NR	740	30	NR	870	1	NR	1000	0	NR
485	104	NR	615	902	NR	745	26	NR	875	1	NR			

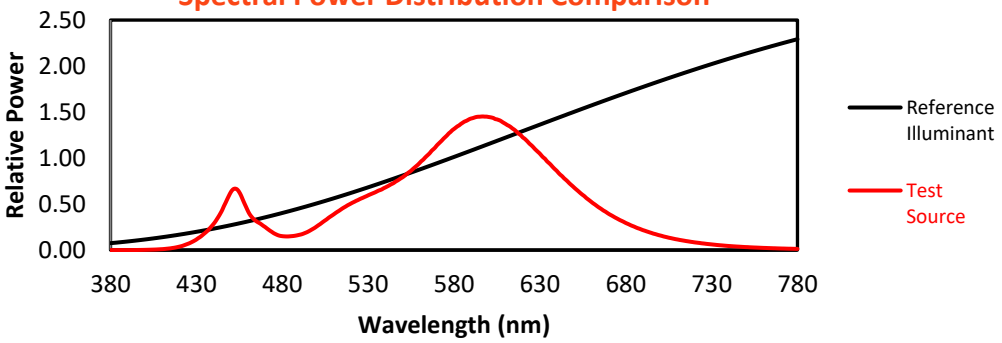
REPORT NUMBER: SP2-2501-321-3

TM-30-18

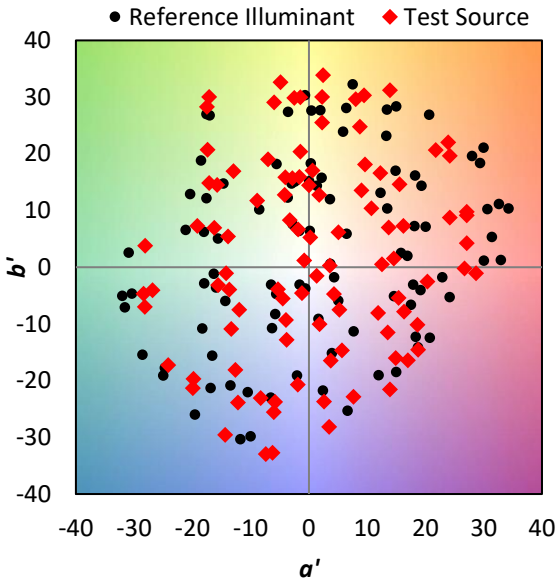
Summary

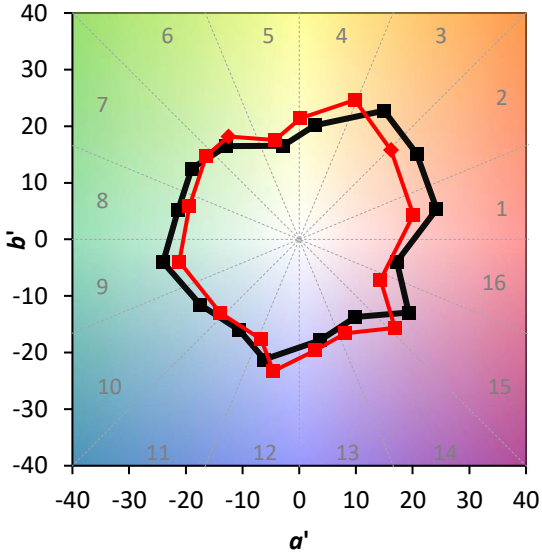
R_f = 75.7
R_g = 93.2
CIE R_a = 71.7
R_9 = -34.5

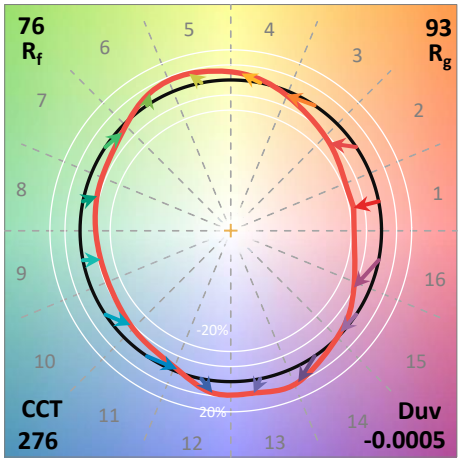
Spectral Power Distribution Comparison

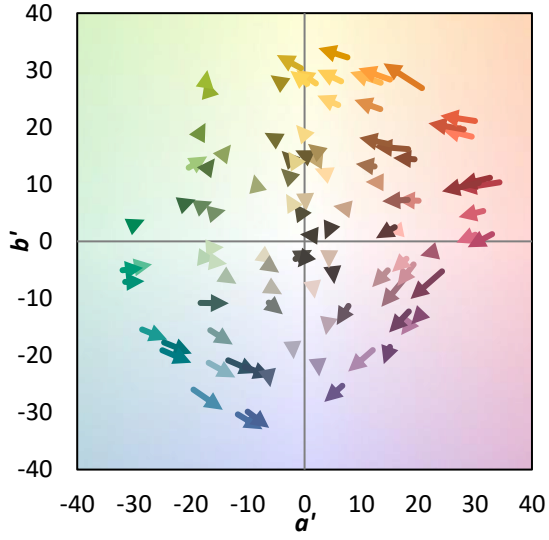


Color Vector Graphics







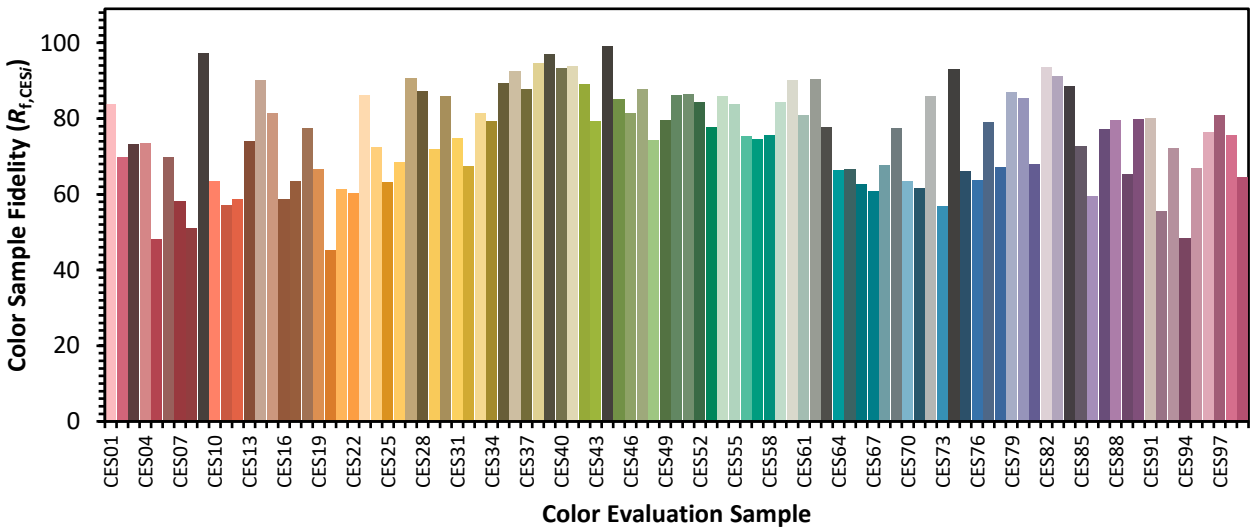


REPORT NUMBER: SP2-2501-321-3

TM-30-18

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

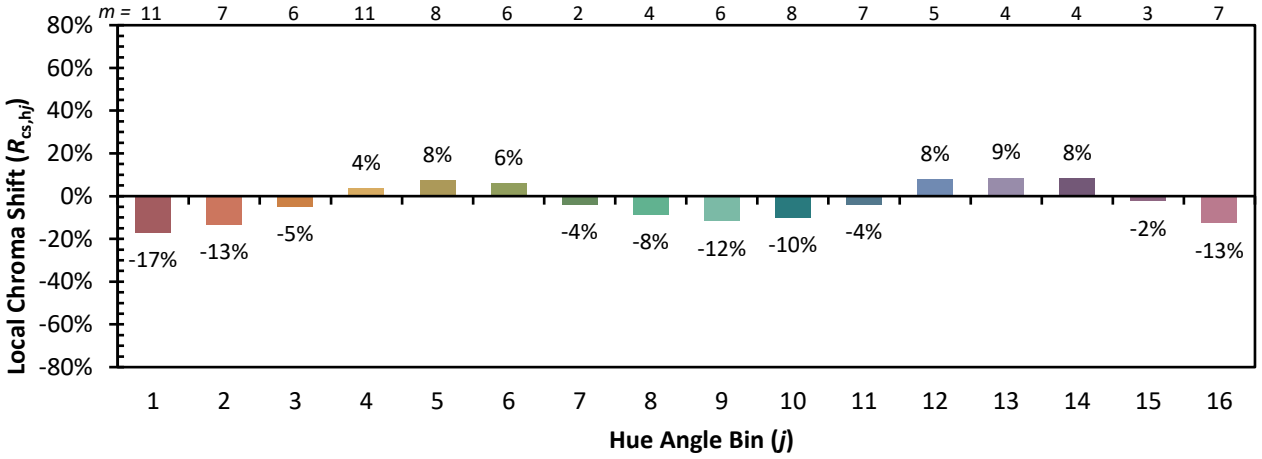
CES01 = 86	CES26 = 68	CES51 = 87	CES76 = 64
CES02 = 63	CES27 = 91	CES52 = 84	CES77 = 79
CES03 = 31	CES28 = 87	CES53 = 78	CES78 = 67
CES04 = 71	CES29 = 72	CES54 = 86	CES79 = 87
CES05 = 50	CES30 = 86	CES55 = 84	CES80 = 85
CES06 = 52	CES31 = 75	CES56 = 75	CES81 = 68
CES07 = 42	CES32 = 67	CES57 = 74	CES82 = 94
CES08 = 41	CES33 = 81	CES58 = 76	CES83 = 91
CES09 = 29	CES34 = 79	CES59 = 84	CES84 = 89
CES10 = 77	CES35 = 89	CES60 = 90	CES85 = 73
CES11 = 60	CES36 = 92	CES61 = 81	CES86 = 59
CES12 = 66	CES37 = 88	CES62 = 90	CES87 = 77
CES13 = 43	CES38 = 95	CES63 = 78	CES88 = 79
CES14 = 74	CES39 = 97	CES64 = 66	CES89 = 65
CES15 = 72	CES40 = 93	CES65 = 67	CES90 = 80
CES16 = 48	CES41 = 94	CES66 = 63	CES91 = 80
CES17 = 50	CES42 = 89	CES67 = 61	CES92 = 55
CES18 = 57	CES43 = 79	CES68 = 68	CES93 = 72
CES19 = 73	CES44 = 99	CES69 = 77	CES94 = 48
CES20 = 67	CES45 = 85	CES70 = 63	CES95 = 67
CES21 = 87	CES46 = 81	CES71 = 62	CES96 = 76
CES22 = 80	CES47 = 88	CES72 = 86	CES97 = 81
CES23 = 92	CES48 = 74	CES73 = 57	CES98 = 76
CES24 = 91	CES49 = 80	CES74 = 93	CES99 = 64
CES25 = 73	CES50 = 86	CES75 = 66	

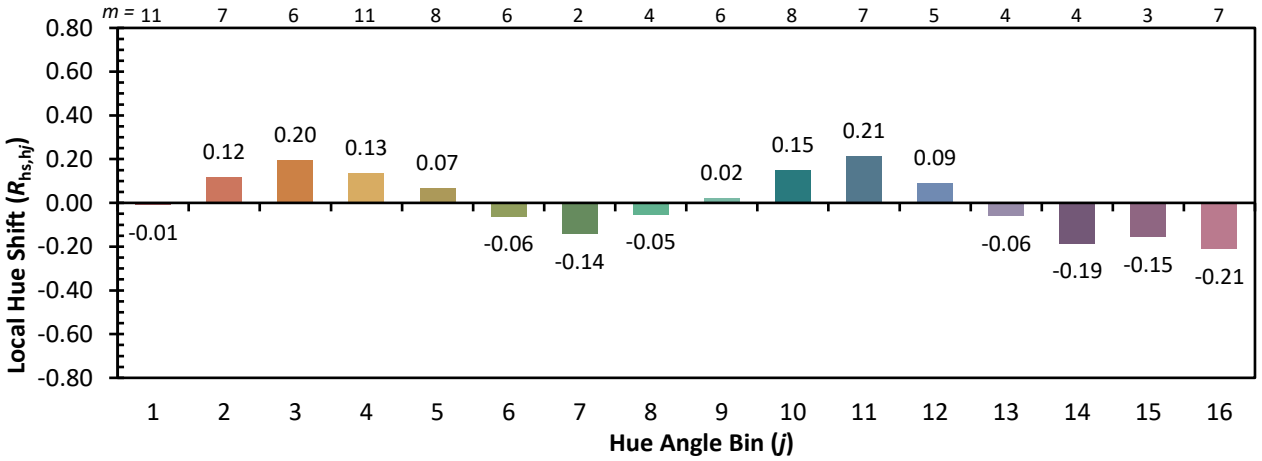


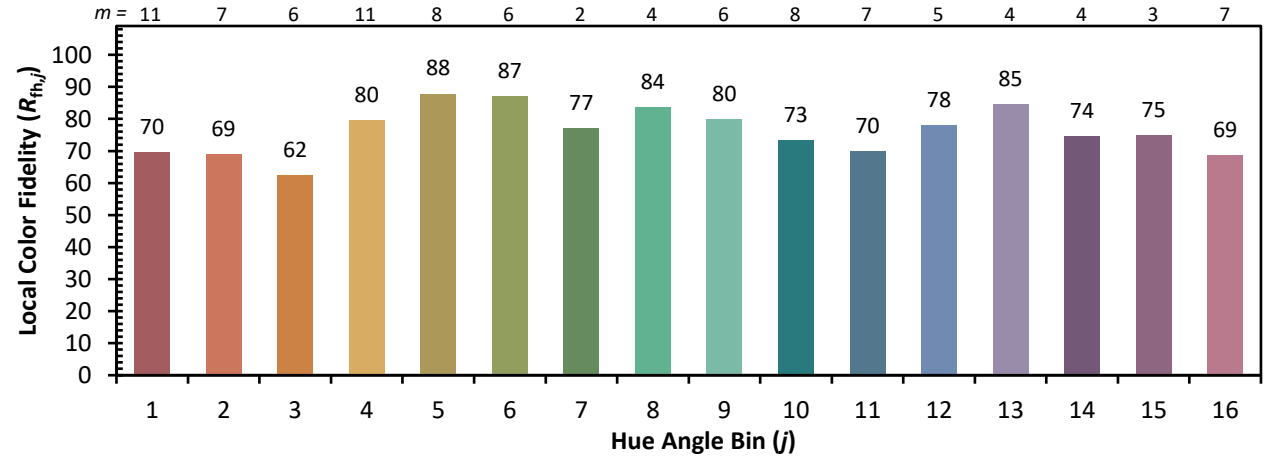
REPORT NUMBER: SP2-2501-321-3

TM-30-18

Color Rendition by Hue-Angle Bin



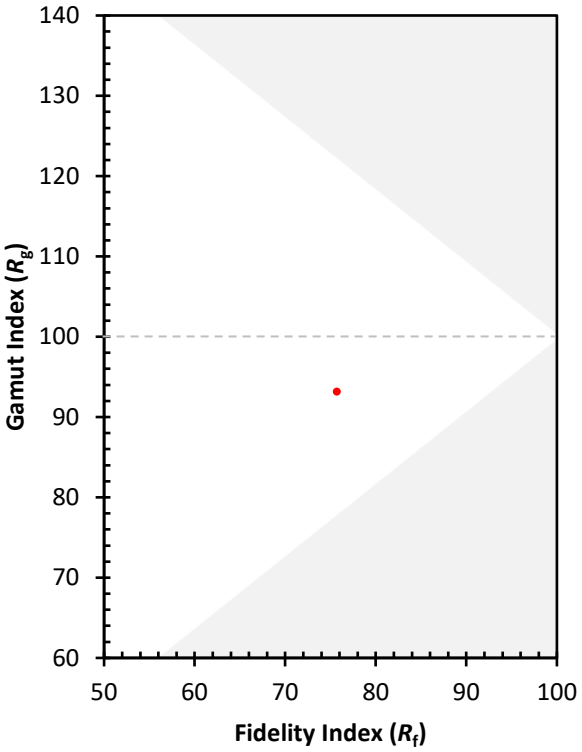


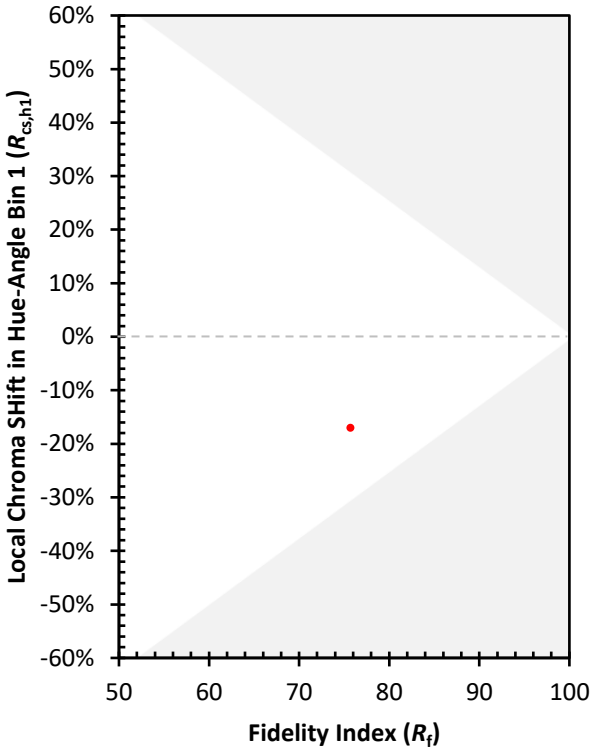


REPORT NUMBER: SP2-2501-321-3

TM-30-18

Measure Comparisons





(END OF REPORT)