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

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Scaled data based on original data using

LM-79-2024 Approved Method: Electrical and Photometric Measurements of Solid-State Lighting Products

Test Report Prepared for

Cooper Lighting Solutions

Brand: LUMARK

Report Number: P1460763

Luminaire Tested: PRV-PC1C-727-U-T2R

Issue Date: 06/10/2026

Test Information

Test Method:	LM-79-2024
Report Number:	P1460763
Test Lab:	INNOVATION CENTER(G3)
Issue Date:	6/10/2026
Manufacturer:	COOPER LIGHTING SOLUTIONS
Product Line:	LUMARK
Catalog Number:	PRV-PC1C-727-U-T2R
Description:	PREVAIL DISCRETE LED 1 SQUARE AT 880MA 70CRI 2700K FIXTURE w/ TYPE II ROADWAY DISTRIBUTION OPTIC
Light Source:	(40) 2700K CCT, 70 CRI LEDS
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	15704.6 lumens
Efficiency:	N/A
Efficacy:	141.5 lumens/watt
Luminous Opening:	Rectangular (W 0.67' x L: 0.67' x H: 0')
IES Classification:	Type II - Short
BUG Rating:	B3 - U0 - G3
Input Watts (W):	111
Input Voltage (V):	120
Input Current (Ain):	NR
Voltage Rise (V):	NR
Power Factor:	0.98
Total Harmonic Distortion (THDi):	2.87%
Frequency (hertz):	60
Stabilization Time:	NR
Operation Time:	NR
Ambient Temperature (°C):	NR
Test Distance:	28.75 FT

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Scaled Data Report

REPORT NUMBER: P1460763
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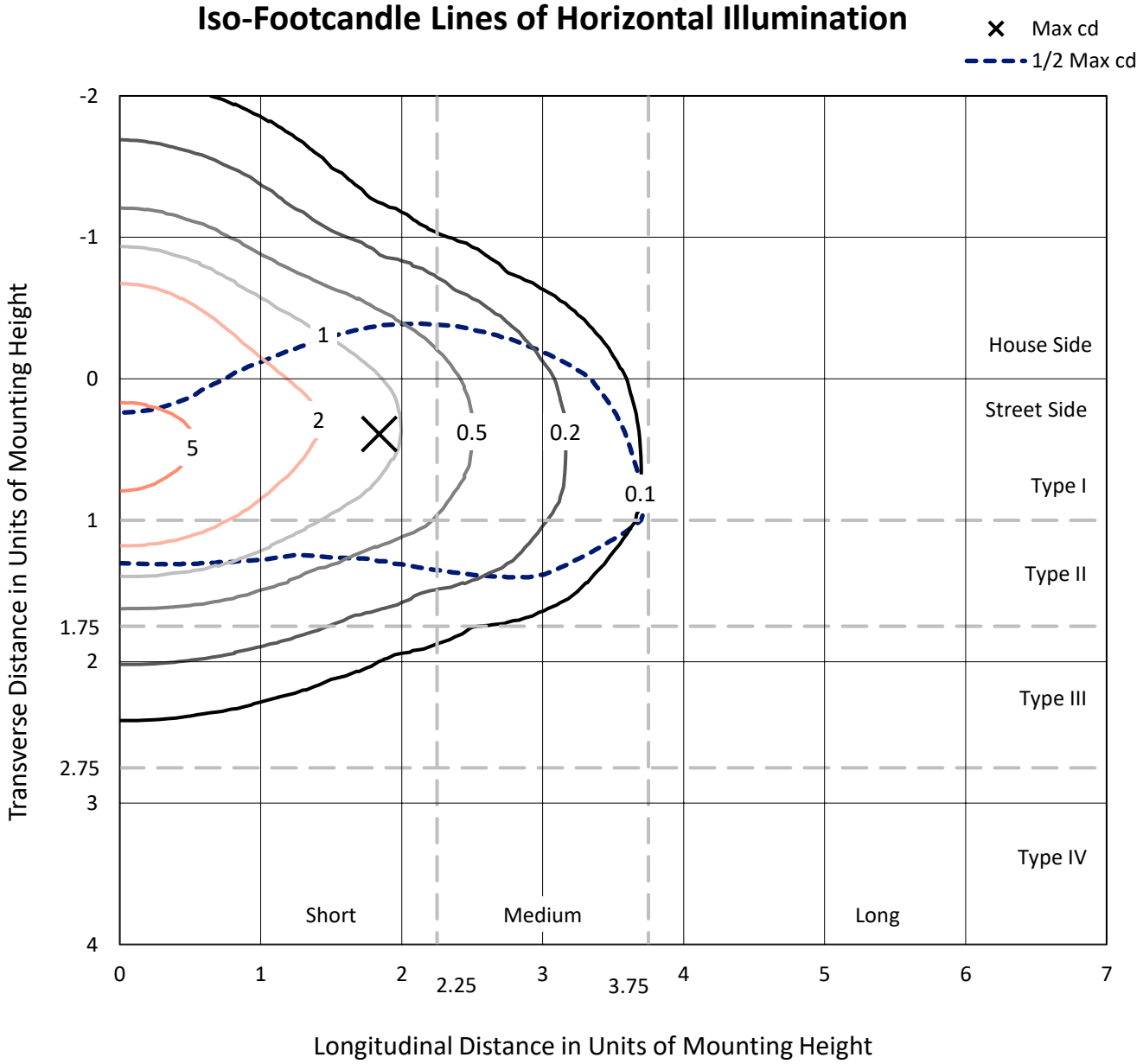
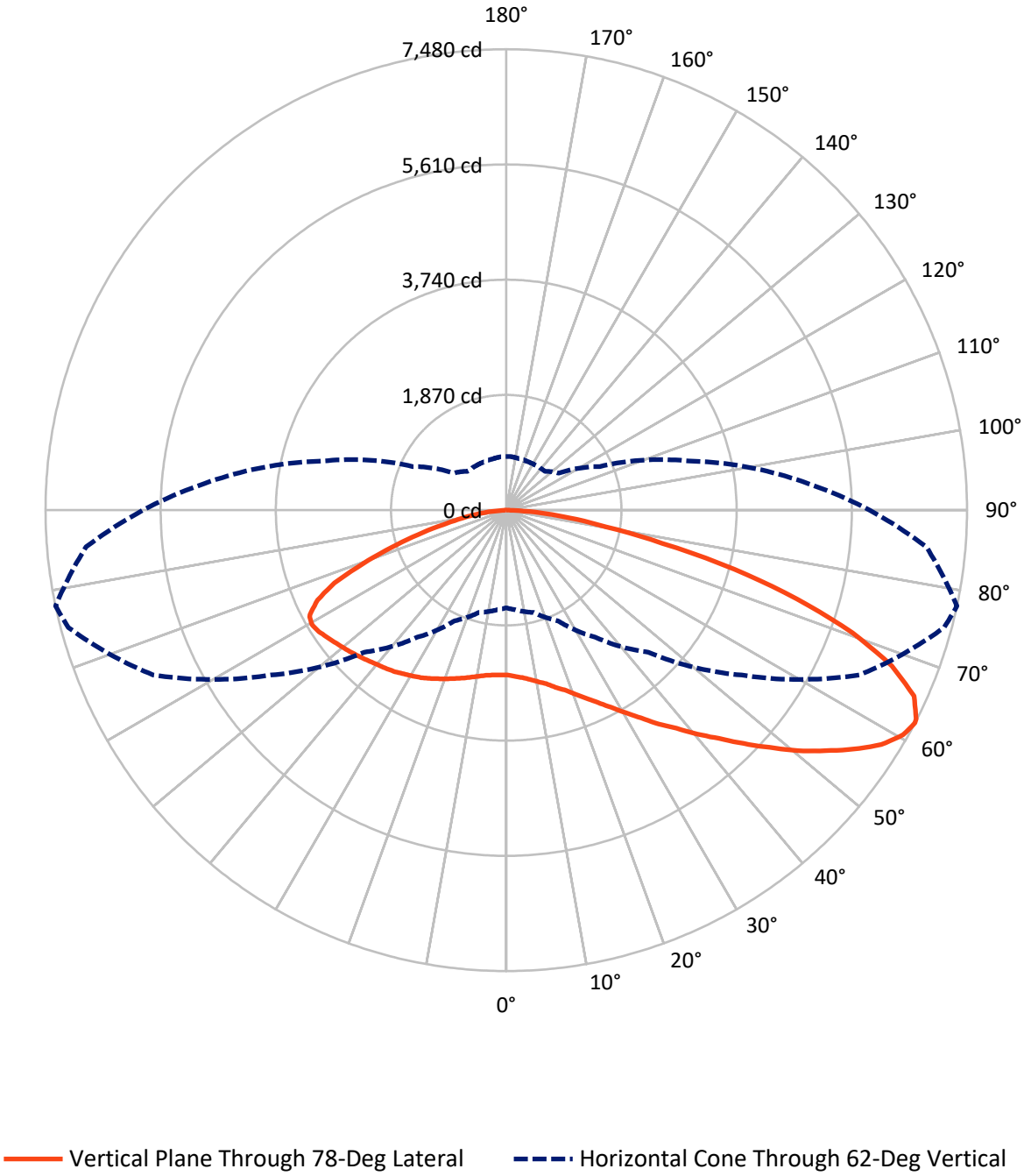
Iso-Footcandle Lines of Horizontal Illumination



Based on 25 foot mounting height. Maximum calculated value = 6.5 fc
Type II - Short - N/A

REPORT NUMBER: P1460763
CATALOG NUMBER: PRV-PC1C-727-U-T2R

Luminous Intensity Polar Plot



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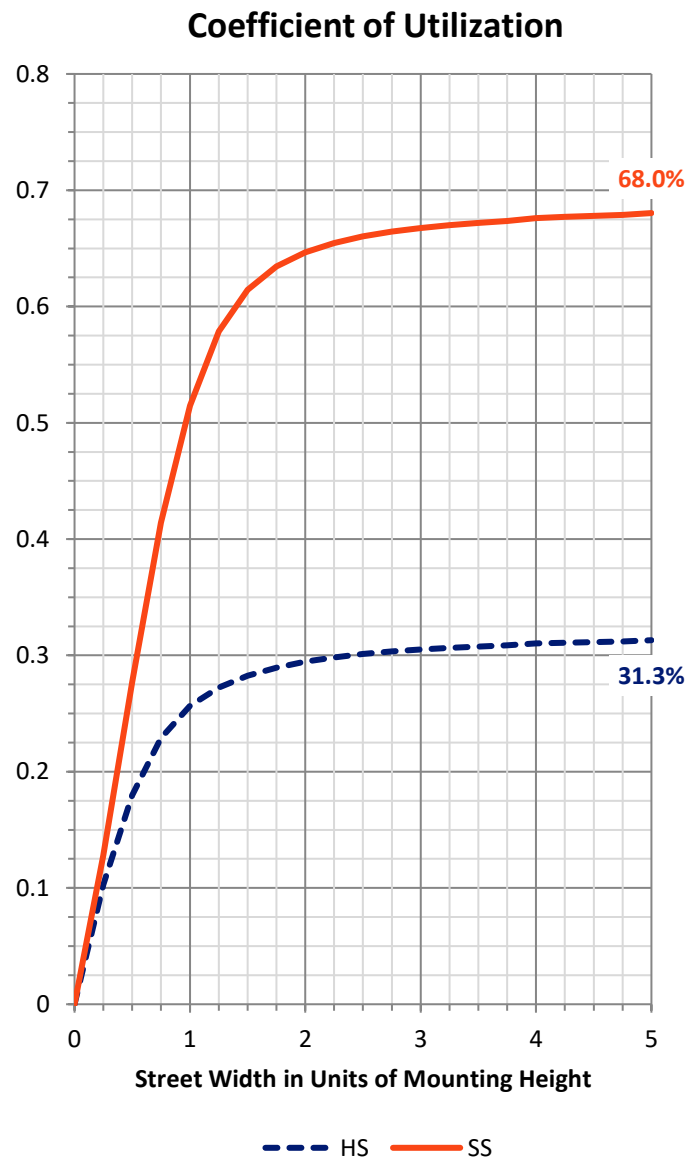
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4976.2	0.0	4976.2
	% Fixture	31.7	0.0	31.7
Street Side	Lumens	10728.3	0.0	10728.3
	% Fixture	68.3	0.0	68.3
Total	Lumens	15704.6	0.0	15704.6
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	265.5	1.7
10°-20°	885.6	5.6
20°-30°	1683.9	10.7
30°-40°	2539.2	16.2
40°-50°	3077.2	19.6
50°-60°	3045.7	19.4
60°-70°	2531.0	16.1
70°-80°	1361.5	8.7
80°-90°	315.0	2.0
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°	15704.6	100.0
0°-180°	15704.6	100.0



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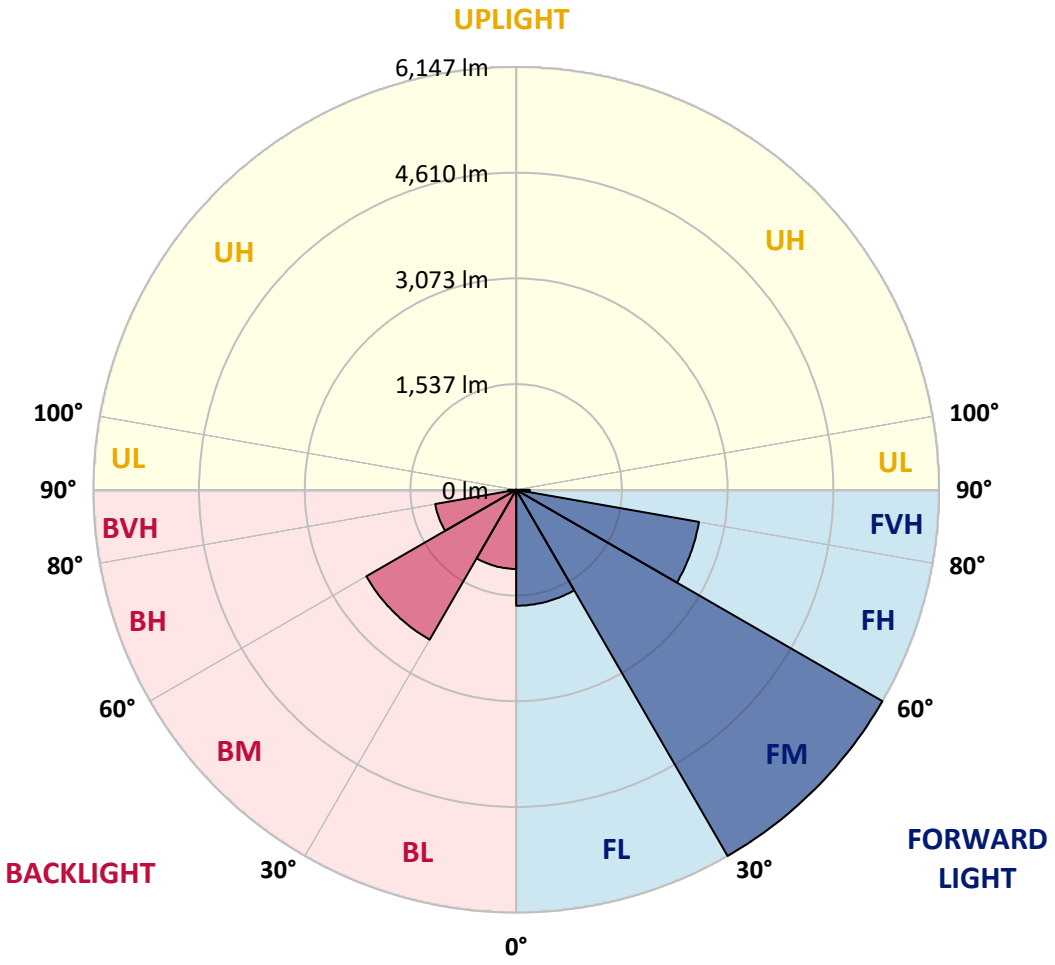
LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	1685.3	10.7			
FM	(30°-60°)	6146.8	39.1			
FH	(60°-80°)	2698.1	17.2			G2/5000
FVH	(80°-90°)	198.1	1.3			G2/225
BL	(0°-30°)	1149.7	7.3	B3/2500		
BM	(30°-60°)	2515.3	16.0	B3/5000		
BH	(60°-80°)	1194.4	7.6	B3/2500		G3/2500
BVH	(80°-90°)	116.8	0.7			G2/225
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 Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	78°	85°
0°	2676.5	2676.5	2676.5	2676.5	2676.5	2676.5	2676.5	2676.5	2676.5	*2676.5*	2676.5
2.5°	2748.6	2747.2	2750.1	2748.6	2739.1	2730.4	2722.4	2704.9	2699.8	*2699.8*	2680.1
5°	2865.2	2879.0	2875.4	2850.6	2828.7	2808.3	2787.2	2755.2	2737.7	*2729.7*	2700.5
7.5°	3061.9	3054.6	3045.1	3012.3	2975.9	2925.6	2877.6	2826.6	2779.9	*2773.4*	2735.5
10°	3295.7	3284.8	3260.7	3217.0	3151.5	3080.1	2997.0	2919.1	2842.6	*2830.9*	2781.4
12.5°	3560.9	3579.8	3541.2	3463.3	3373.7	3259.3	3147.8	3024.7	2922.7	*2890.7*	2841.1
15°	3911.3	3896.0	3865.4	3760.5	3619.2	3472.7	3311.0	3145.6	3008.0	*2982.5*	2903.1
17.5°	4274.1	4241.3	4197.6	4078.1	3909.1	3695.7	3503.3	3289.2	3115.0	*3067.0*	2973.7
20°	4665.3	4666.7	4580.0	4443.1	4234.7	3971.0	3718.2	3456.0	3240.3	*3183.5*	3062.6
22.5°	5070.3	5076.9	4982.2	4819.0	4589.5	4290.8	3969.6	3659.2	3382.4	*3313.9*	3152.9
25°	5483.4	5484.8	5396.0	5220.4	4946.5	4623.0	4252.2	3877.0	3547.0	*3458.2*	3266.6
27.5°	5855.6	5869.5	5779.1	5589.0	5307.1	4959.6	4540.0	4121.1	3720.4	*3622.1*	3385.3
30°	6154.3	6147.8	6074.9	5905.9	5629.1	5265.6	4857.6	4387.7	3931.7	*3812.2*	3526.6
32.5°	6378.0	6374.3	6291.3	6129.6	5884.8	5570.1	5165.8	4660.2	4168.4	*4020.6*	3676.7
35°	6496.7	6501.1	6436.3	6286.2	6090.2	5807.6	5471.0	4996.7	4395.0	*4261.7*	3863.9
37.5°	6569.6	6576.9	6477.0	6356.8	6194.4	5997.0	5745.6	5299.1	4681.3	*4491.9*	4038.8
40°	6479.2	6488.7	6422.4	6282.5	6206.0	6099.7	5962.0	5618.2	4979.3	*4778.2*	4231.1
42.5°	6171.1	6179.1	6184.9	6109.9	6100.4	6112.1	6109.2	5885.5	5287.4	*5063.0*	4456.9
45°	5759.5	5771.9	5830.9	5853.5	5912.5	6037.8	6164.5	6138.3	5637.1	*5401.1*	4712.6
47.5°	5252.4	5310.7	5385.0	5524.9	5686.6	5889.9	6126.6	6335.7	5981.7	*5754.4*	4982.2
50°	4484.6	4535.6	4778.2	5064.5	5355.2	5707.8	6016.6	6449.4	6332.1	*6136.1*	5305.6
52.5°	3686.9	3732.1	4016.2	4489.0	4913.0	5433.1	5860.7	6476.3	6663.5	*6485.8*	5640.0
55°	2973.7	3024.0	3268.8	3754.7	4352.0	5006.2	5680.8	6442.1	6951.3	*6846.4*	6021.7
57.5°	2355.2	2370.5	2581.1	3009.4	3727.7	4471.5	5428.7	6394.7	7185.9	*7177.9*	6370.7
60°	1855.5	1881.7	2057.3	2420.1	3009.4	3836.3	5079.8	6362.7	7326.5	*7403.0*	6689.8
62°	*1585.2*	*1622.4*	*1720.0*	*1980.0*	*2516.2*	*3259.3*	*4665.3*	*6326.2*	*7357.8*	*7479.5*	*6846.4*
62.5°	1539.3	1551.0	1658.1	1907.2	2391.6	3144.2	4568.4	6319.7	7349.1	*7468.5*	6860.2
65°	1296.7	1306.2	1382.7	1529.8	1890.4	2486.4	3906.2	6150.7	7157.5	*7273.3*	6764.1
67.5°	1110.2	1122.6	1165.6	1277.8	1505.8	1991.0	3242.5	5658.2	6737.8	*6752.4*	6371.4
70°	947.8	949.2	1004.6	1069.4	1231.2	1562.6	2530.1	4873.6	6047.2	*5964.2*	5619.6
72.5°	787.5	797.7	845.8	914.3	1004.6	1246.5	1934.9	3975.4	5075.4	*4934.8*	4583.0
75°	653.5	654.9	691.3	748.2	828.3	991.5	1481.8	2941.7	3910.6	*3826.8*	3416.6
77.5°	534.7	548.6	569.7	616.3	660.0	794.1	1114.6	2109.0	2694.0	*2589.8*	2237.9
80°	429.1	442.2	465.5	488.8	514.3	585.0	850.9	1454.1	1784.8	*1642.0*	1392.2
82.5°	332.2	340.9	357.0	378.8	386.8	427.6	587.2	977.6	1097.8	*1036.6*	792.6
85°	209.8	212.7	214.9	233.1	253.5	276.1	349.7	514.3	601.0	*558.8*	367.2
87.5°	63.4	55.4	69.9	82.3	82.3	79.4	97.6	134.8	132.6	*113.6*	64.8
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: P1460763
CATALOG NUMBER: PRV-PC1C-727-U-T2R

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	2676.5	2676.5	2676.5	2676.5	2676.5	2676.5	2676.5	2676.5	2676.5	2676.5	2676.5
2.5°	2679.4	2682.3	2674.3	2666.3	2656.1	2658.3	2650.3	2653.2	2648.8	2641.5	2639.3
5°	2698.3	2690.3	2677.9	2669.2	2660.5	2661.2	2648.8	2652.4	2650.3	2645.2	2638.6
7.5°	2725.3	2711.5	2696.2	2687.4	2675.0	2674.3	2665.6	2661.9	2659.7	2656.1	2654.6
10°	2763.9	2744.2	2728.2	2713.6	2699.1	2697.6	2684.5	2682.3	2678.7	2677.9	2672.1
12.5°	2814.9	2787.9	2764.6	2745.7	2726.8	2722.4	2708.5	2699.1	2694.0	2689.6	2686.0
15°	2868.8	2835.3	2805.4	2775.6	2753.7	2739.9	2716.6	2704.2	2696.2	2686.7	2686.0
17.5°	2927.8	2888.5	2842.6	2802.5	2770.5	2745.7	2715.1	2696.9	2686.0	2675.8	2672.1
20°	3001.4	2948.2	2884.1	2830.2	2782.1	2743.5	2703.4	2673.6	2649.5	2636.4	2632.8
22.5°	3075.0	3010.1	2924.2	2852.1	2785.8	2733.3	2673.6	2629.9	2600.0	2583.2	2580.3
25°	3162.4	3082.3	2966.4	2867.4	2778.5	2708.5	2632.1	2578.9	2543.9	2522.0	2523.5
27.5°	3259.3	3156.6	3005.0	2868.1	2761.0	2664.8	2579.6	2513.3	2480.5	2451.4	2452.8
30°	3365.6	3235.2	3030.5	2863.7	2722.4	2608.0	2506.0	2434.6	2393.8	2358.9	2357.4
32.5°	3485.8	3316.8	3054.6	2855.7	2678.7	2538.1	2421.5	2342.8	2289.7	2259.1	2256.1
35°	3614.1	3410.8	3085.2	2838.2	2624.8	2453.6	2329.0	2229.9	2179.7	2129.4	2127.2
37.5°	3746.6	3492.4	3105.6	2804.0	2546.1	2348.7	2202.2	2095.9	2005.5	1966.2	1961.8
40°	3898.9	3590.8	3116.5	2756.6	2444.8	2222.6	2071.8	1925.4	1837.3	1792.8	1787.7
42.5°	4052.6	3697.1	3134.7	2699.1	2326.8	2080.6	1881.7	1744.7	1671.2	1616.5	1623.8
45°	4244.2	3817.3	3153.7	2626.2	2189.9	1904.3	1699.6	1567.0	1500.0	1459.2	1458.4
47.5°	4447.5	3941.2	3171.1	2536.6	2041.2	1728.0	1525.5	1407.5	1356.5	1328.0	1322.9
50°	4657.3	4082.5	3182.8	2425.2	1874.4	1532.0	1362.3	1273.4	1224.6	1203.5	1196.9
52.5°	4915.9	4239.8	3189.4	2307.9	1690.8	1364.5	1229.7	1159.8	1127.0	1107.3	1109.5
55°	5174.5	4410.3	3195.2	2165.1	1510.9	1203.5	1116.1	1067.2	1053.4	1045.4	1041.7
57.5°	5471.0	4617.2	3198.1	2015.0	1339.7	1074.5	1021.3	988.6	975.5	988.6	992.9
60°	5742.7	4805.9	3167.5	1838.7	1177.2	966.7	934.7	915.0	912.8	919.4	923.0
62°	*5896.4*	*4923.9*	*3077.2*	*1676.3*	*1046.1*	*891.7*	*872.7*	*862.5*	*859.6*	*871.3*	*869.8*
62.5°	5921.2	4937.0	3042.2	1626.0	1023.5	877.8	858.9	845.1	845.8	858.2	855.3
65°	5904.5	4889.7	2753.7	1387.8	891.7	792.6	783.1	774.4	776.6	789.7	788.2
67.5°	5593.4	4579.3	2366.9	1154.7	782.4	719.0	708.8	702.3	715.4	728.5	735.8
70°	4970.5	3941.9	1863.5	950.7	684.1	641.1	638.9	632.3	654.9	661.5	667.3
72.5°	4065.0	3171.1	1441.0	782.4	595.9	561.7	561.7	570.4	577.0	587.9	589.4
75°	3002.9	2391.6	1101.5	652.0	512.9	487.4	488.8	493.9	489.5	487.4	489.5
77.5°	1977.9	1564.8	824.7	534.7	440.0	413.8	408.0	411.6	428.4	454.6	456.8
80°	1194.7	1006.8	610.5	436.4	359.9	327.1	333.7	348.9	421.1	445.8	448.0
82.5°	697.2	618.5	459.7	340.2	276.8	245.5	258.6	335.1	377.4	243.3	270.3
85°	320.5	298.7	278.3	208.3	166.8	153.7	186.5	289.9	255.7	112.2	86.7
87.5°	56.8	58.3	57.6	45.2	32.8	30.6	63.4	82.3	51.7	13.1	8.7
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
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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

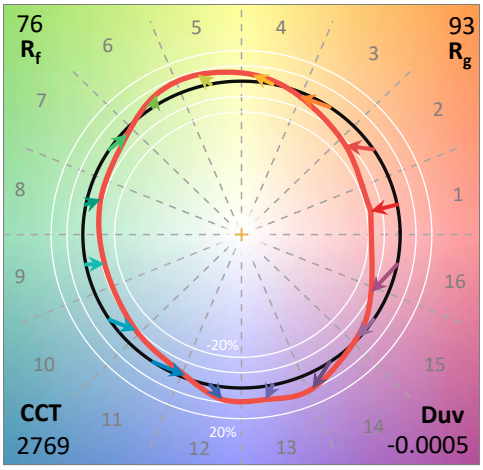
Report Generated By FNC07603 / LDUCLS01DT447
Version: v7.04

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	CRI (Ra):		71.7			
CIE u':	0.2596	R1:		68.0	R9:		-34.5
CIE v':	0.5253	R2:		84.0	R10:		64.3
Duv:	-0.0005	R3:		94.6	R11:		60.9
CIE x:	0.4535	R4:		65.9	R12:		54.4
CIE y:	0.4078	R5:		67.3	R13:		71.2
CIE z:	0.1387	R6:		78.7	R14:		97.6
Peak Wavelength (nm):	597	R7:		75.2	R15:		59.5
Dominant Wavelength (nm):	584	R8:		39.8			
Purity:	58.54014						
Rf:	75.7						
Rg:	93.2						



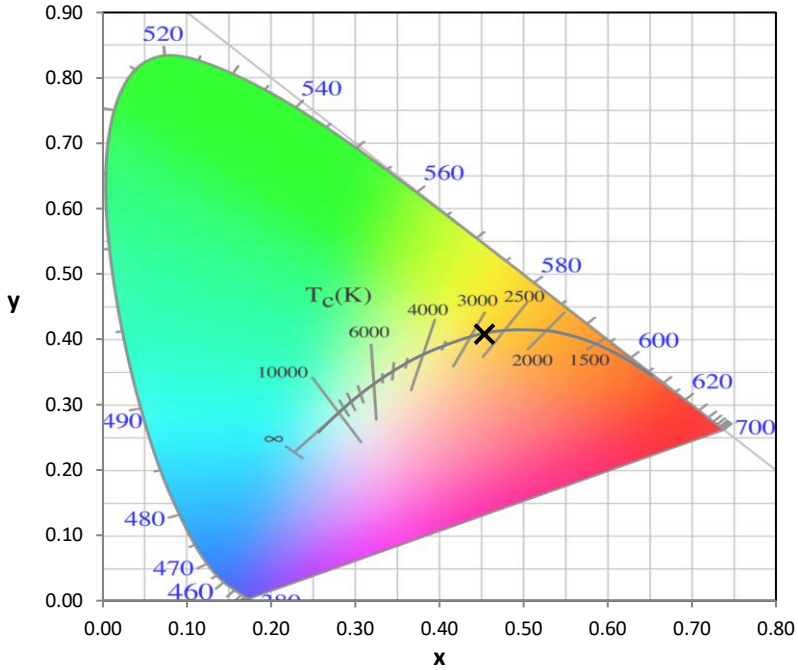
Test Conditions

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

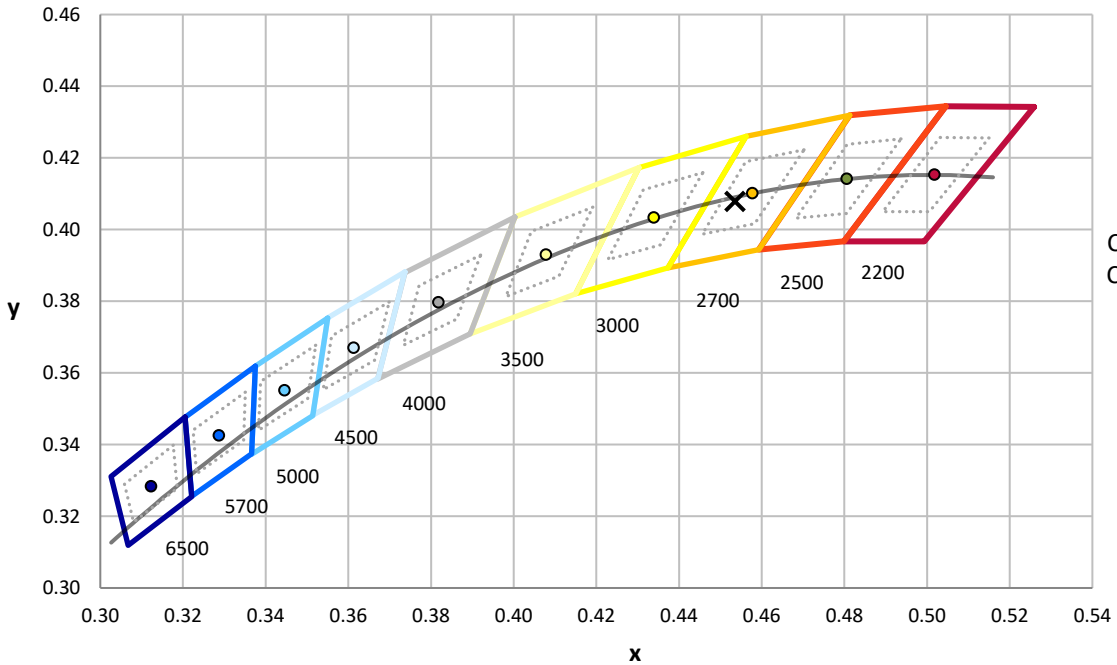
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN2187	1/6/2025	7/6/2025
Power Meter	INXT2011002	1/21/2025	1/21/2026
AC Power Source	IN0458	10/22/2024	10/22/2025
DC Power Source	IN0212	10/22/2024	10/22/2025
Sphere Thermometer	IN4036B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

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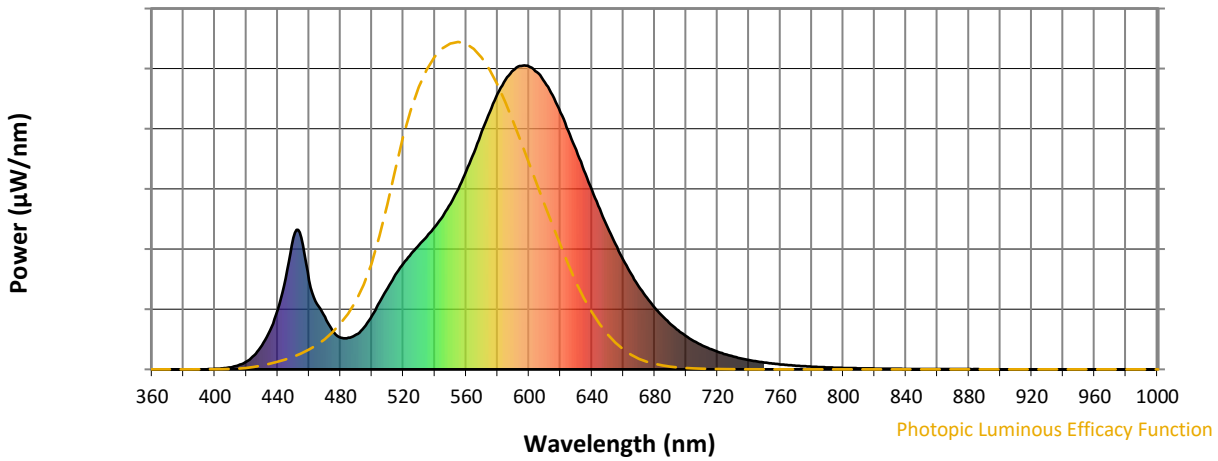
Photopic Flux vs. Wavelength



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			

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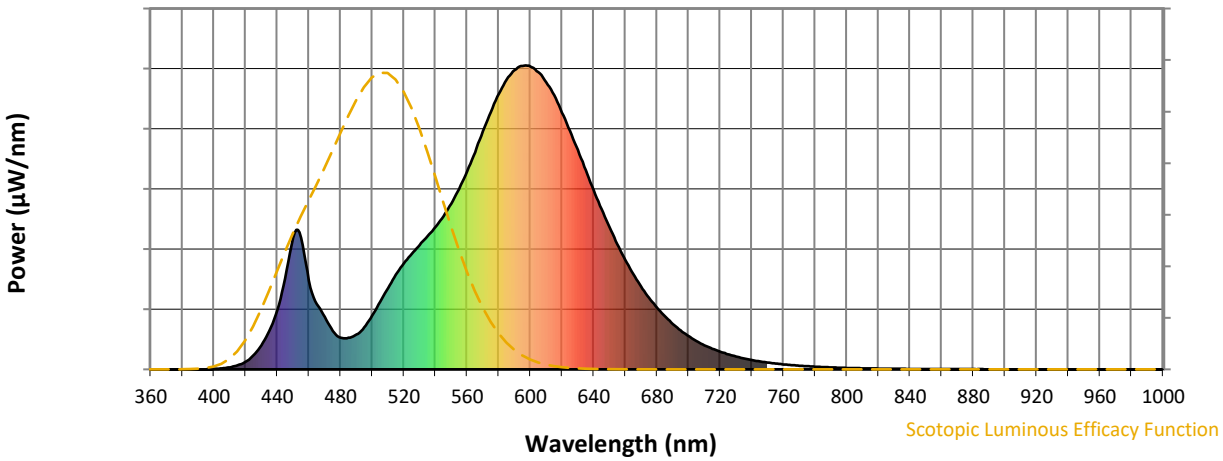
Scotopic Flux vs. Wavelength



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			

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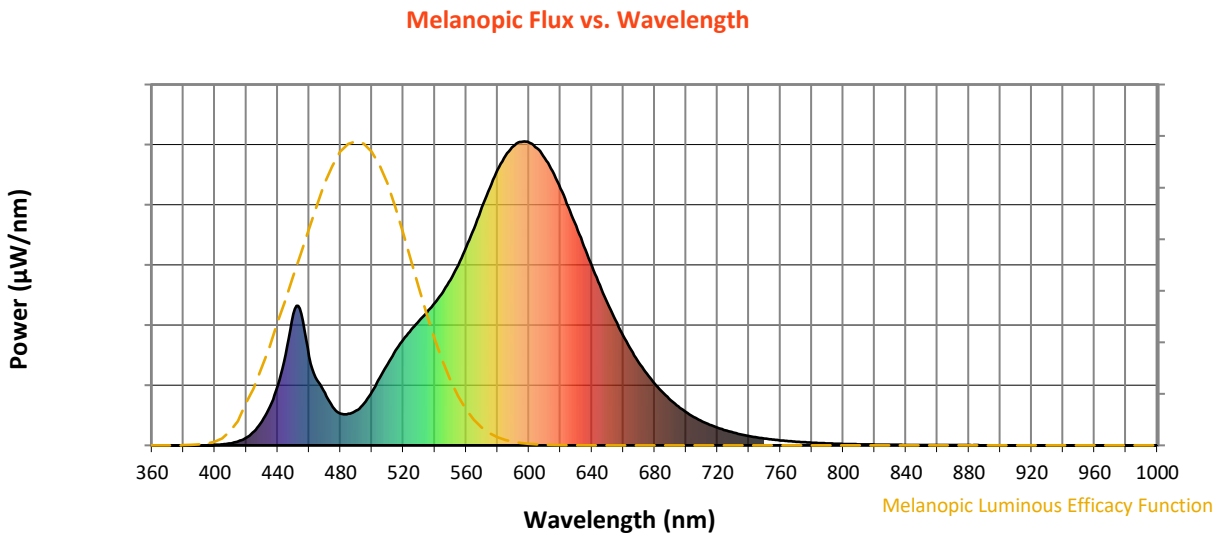

Melanopic Lumens: NR **M/P: 2.08**

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			

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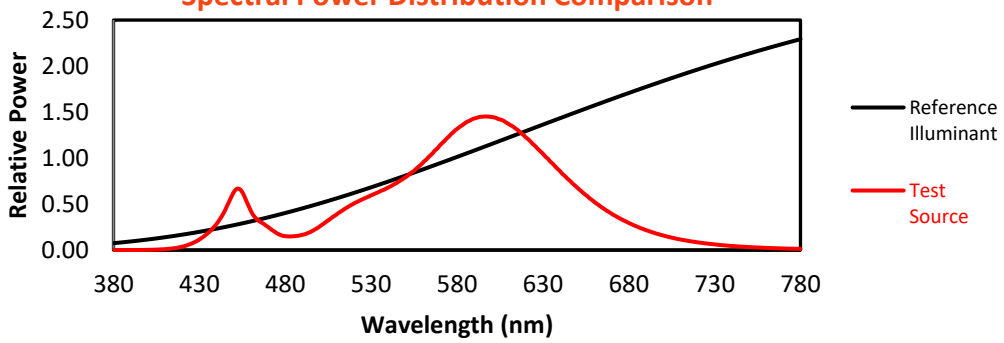
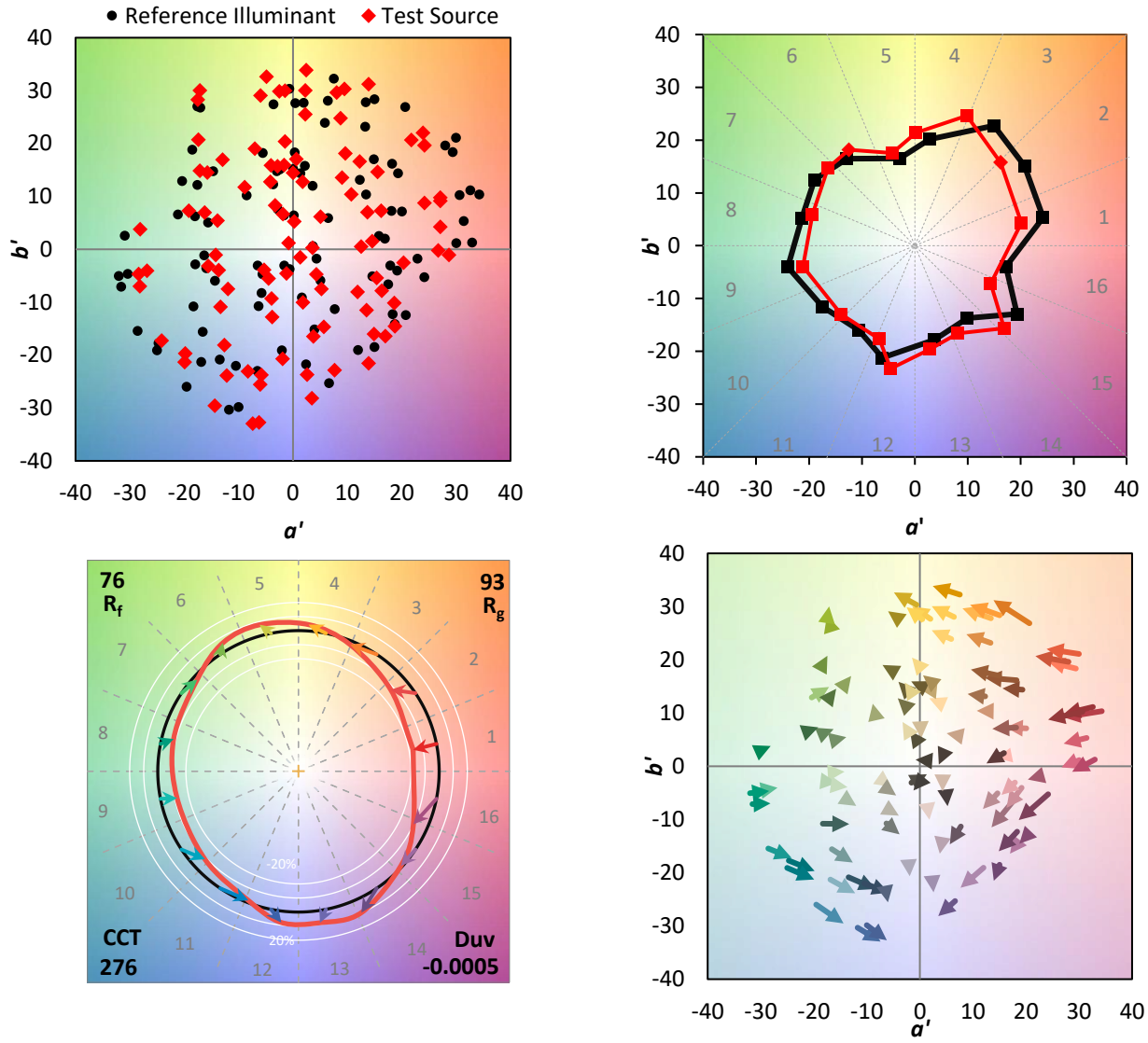
Summary

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

Spectral Power Distribution Comparison

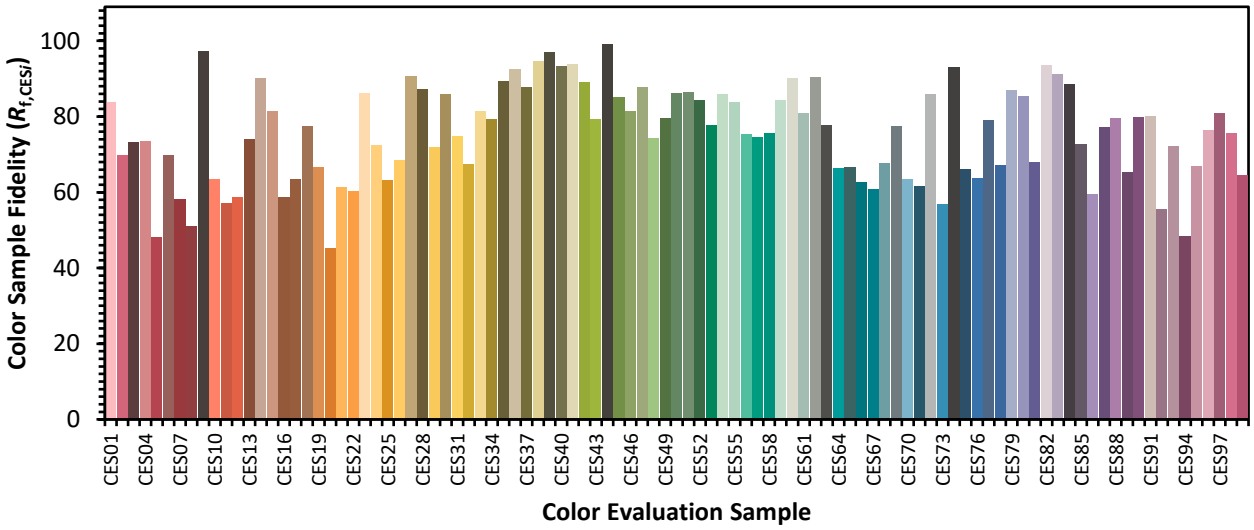


Color Vector Graphics

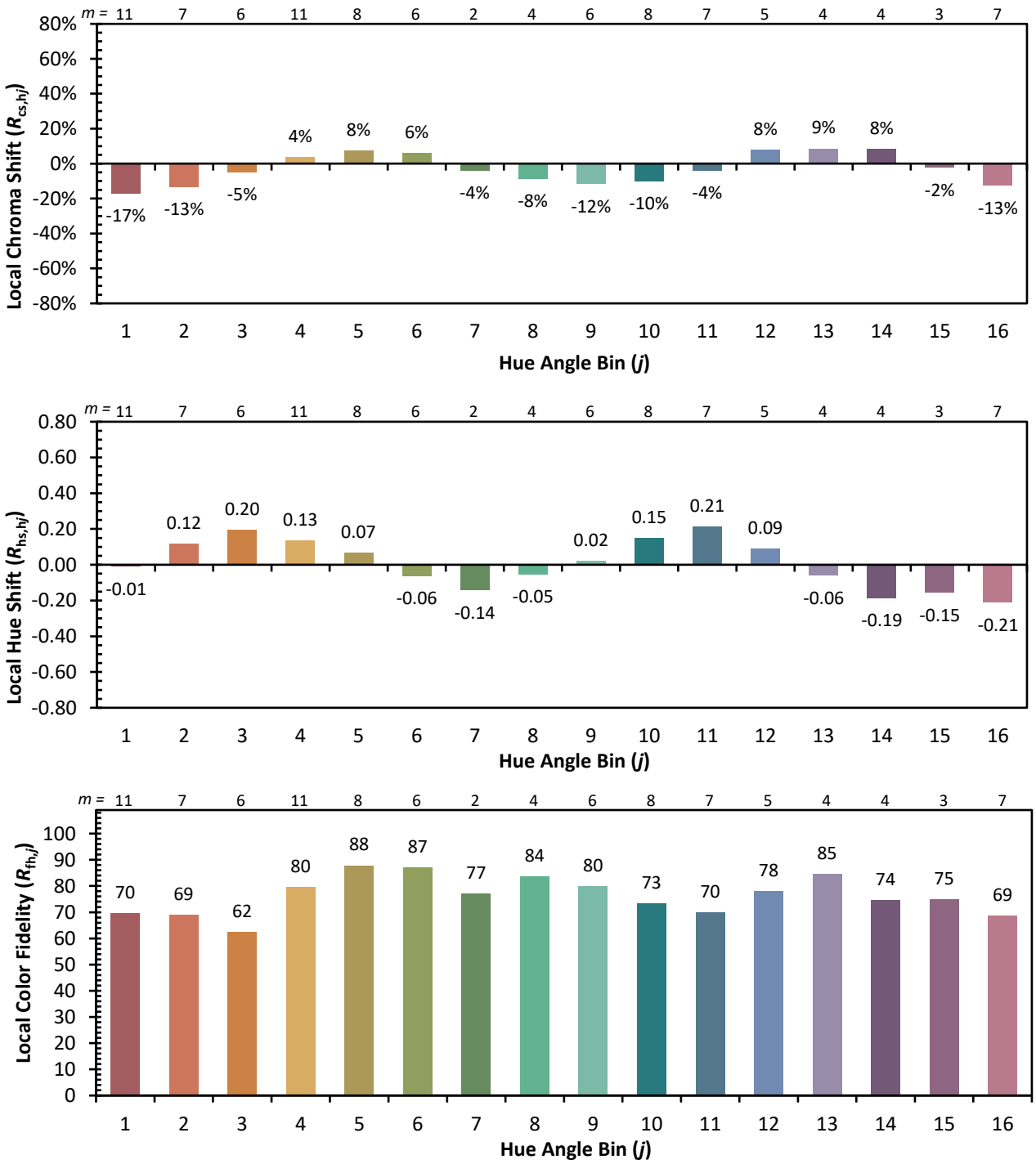


Individual Sample Fidelity Index ($R_{f,i}$)

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	

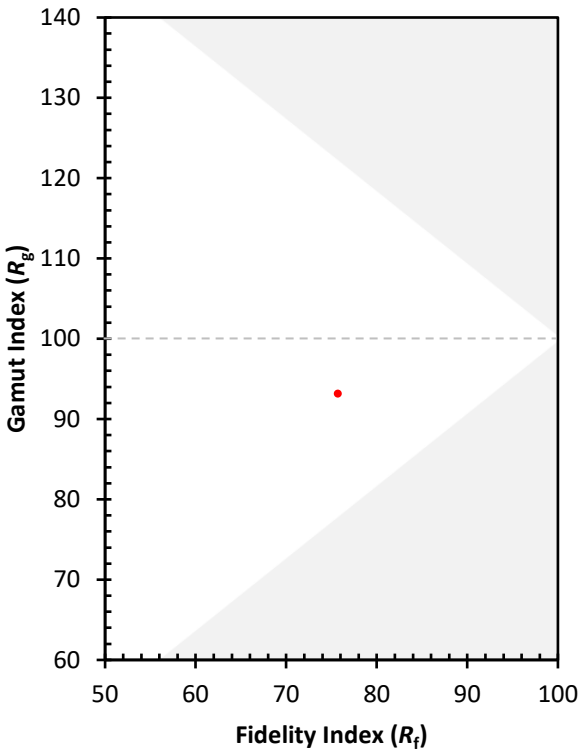


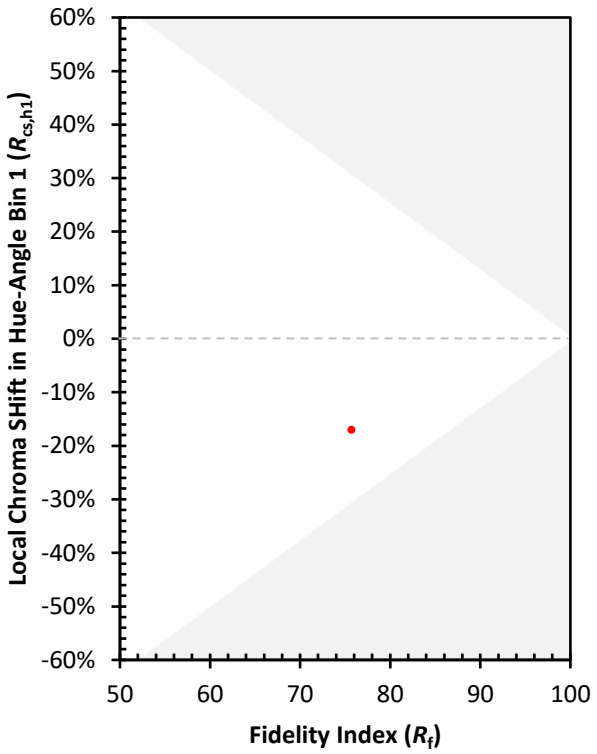
Color Rendition by Hue-Angle Bin



TM-30-18

Measure Comparisons





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