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: STREETWORKS

Report Number: P867896

Luminaire Tested: **MEM2-HSN-SA-130-727-U-T2R**

Issue Date: 08/21/2024

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:	P867896
Test Lab:	INNOVATION CENTER(G3)
Issue Date:	08/21/2024
Manufacturer:	COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line:	STREETWORKS
Catalog Number:	MEM2-HSN-SA-130-727-U-T2R
Description:	EPIC MODERN SHORT HOUSING DISCRETE LED ARRAYS 130W 70CRI 2700K FIXTURE w/ TYPE II ROADWAY DISTRIBUTION OPTIC
Light Source:	(30) 2700K CCT, 70 CRI LEDS
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	17704.5 lumens
Efficiency:	N/A
Efficacy:	132.1 lumens/watt
Luminous Opening:	Rectangular (W 1' x L: 0.33' x H: 0')
IES Classification:	Type II - Medium
BUG Rating:	B3 - U0 - G3

Input Watts (W):	134
Input Voltage (V):	120
Input Current (Ain):	NR
Voltage Rise (V):	NR
Power Factor:	0.99
Total Harmonic Distortion (THDi):	6.70%
Frequency (hertz):	60
Stabilization Time:	NR
Operation Time:	NR
Ambient Temperature (°C):	NR
Test Distance:	24 FT

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REPORT NUMBER: P867896
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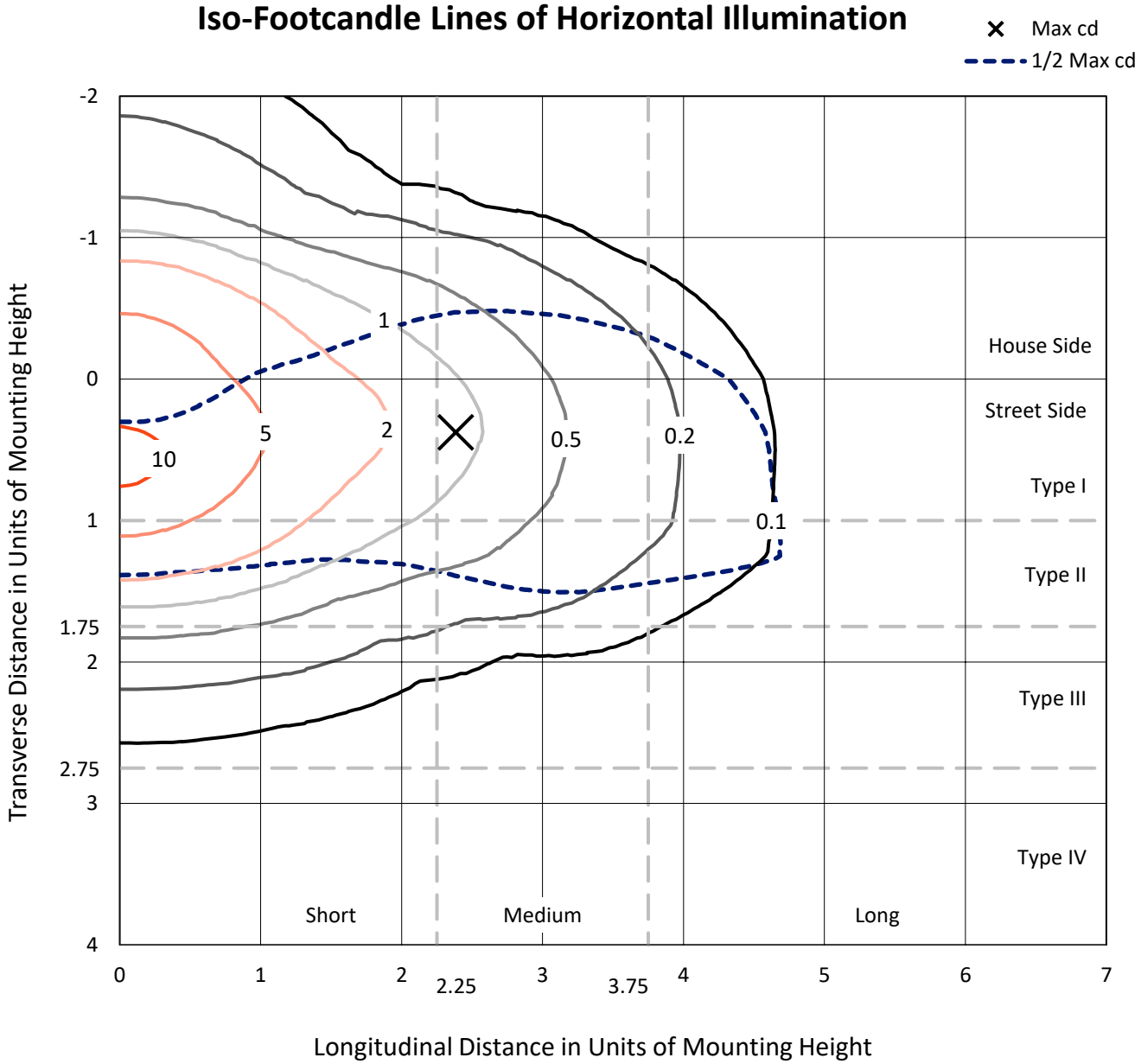
Iso-Footcandle Lines of Horizontal Illumination



Based on 20 foot mounting height. Maximum calculated value = 11.3 fc
Type II - Medium - N/A

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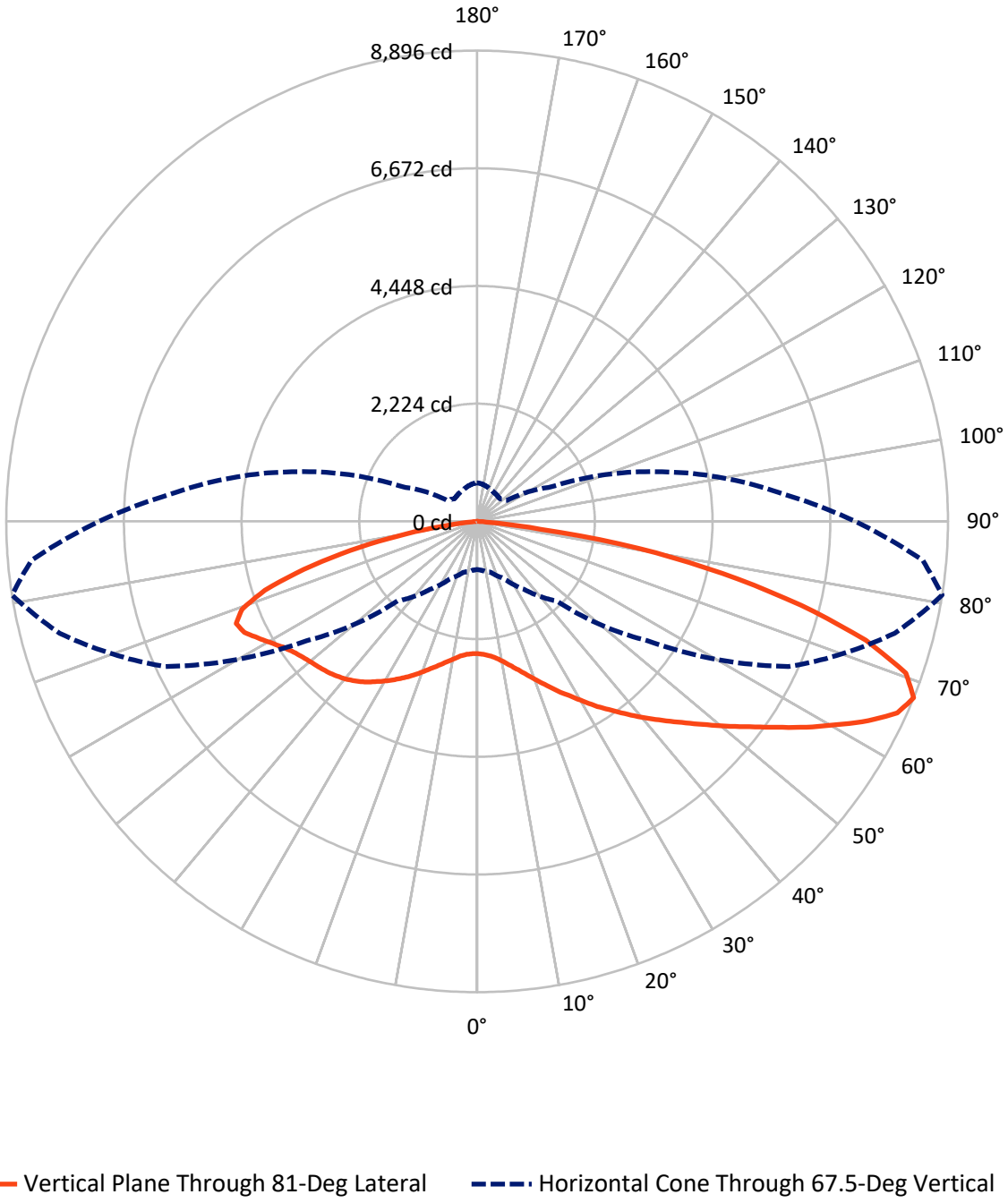
Luminous Intensity Polar Plot



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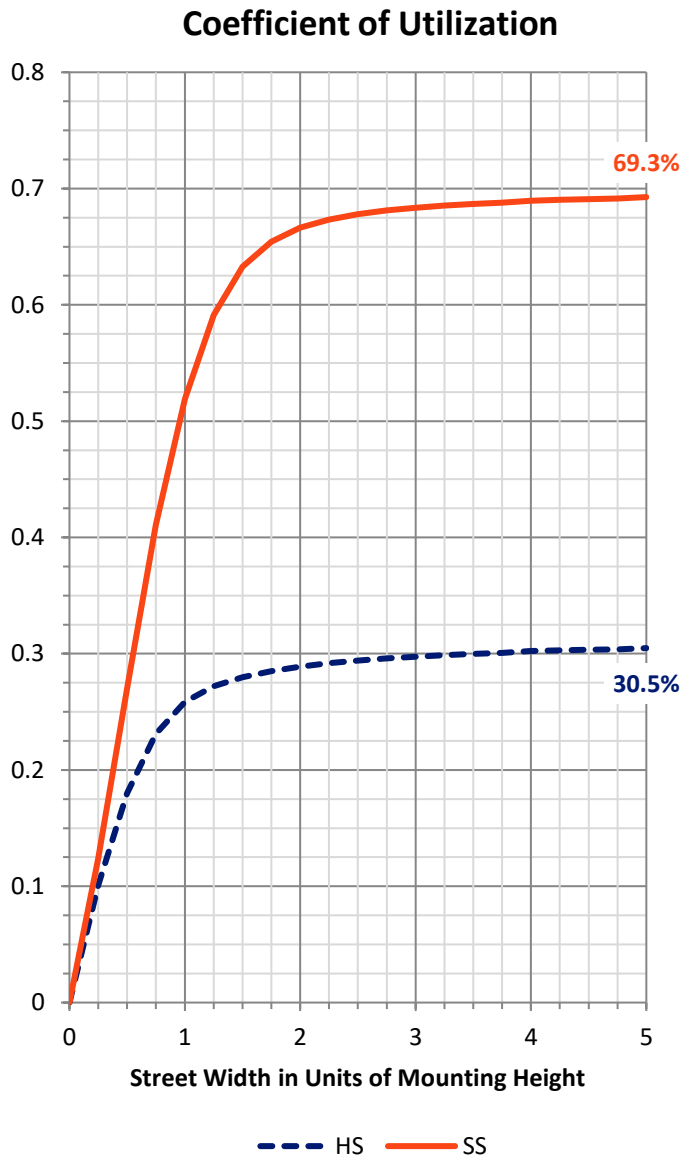
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	5425.1	0.0	5425.1
	% Fixture	30.6	0.0	30.6
Street Side	Lumens	12279.4	0.0	12279.4
	% Fixture	69.4	0.0	69.4
Total	Lumens	17704.5	0.0	17704.5
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	254.9	1.4
10°-20°	904.8	5.1
20°-30°	1802.1	10.2
30°-40°	2831.2	16.0
40°-50°	3511.2	19.8
50°-60°	3432.3	19.4
60°-70°	2886.4	16.3
70°-80°	1834.0	10.4
80°-90°	247.6	1.4
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°	17704.5	100.0
0°-180°	17704.5	100.0



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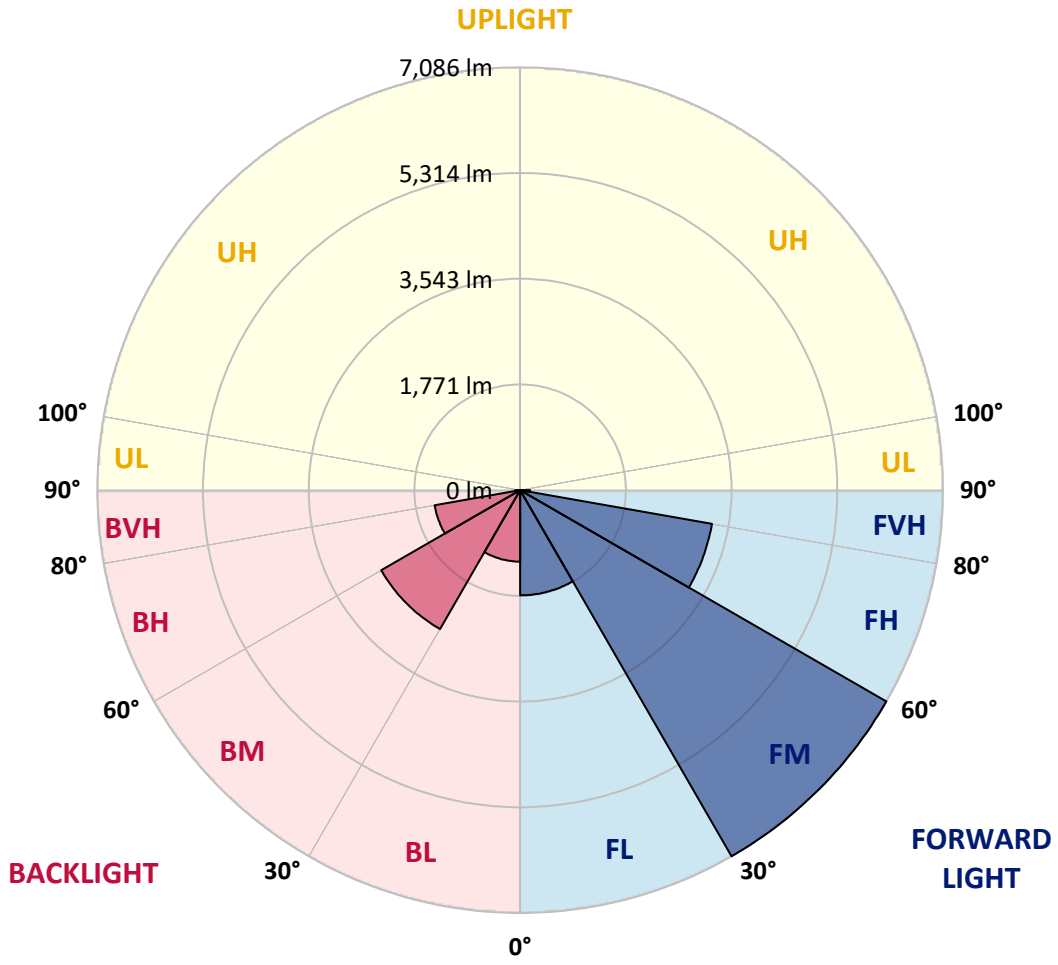
LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	1763.5	10.0			
FM	(30°-60°)	7085.9	40.0			
FH	(60°-80°)	3264.2	18.4			G2/5000
FVH	(80°-90°)	165.9	0.9			G2/225
BL	(0°-30°)	1198.3	6.8	B3/2500		
BM	(30°-60°)	2688.8	15.2	B3/5000		
BH	(60°-80°)	1456.3	8.2	B3/2500		G3/2500
BVH	(80°-90°)	81.7	0.5			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



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	81°	85°
0°	2499.6	2499.6	2499.6	2499.6	2499.6	2499.6	2499.6	2499.6	2499.6	*2499.6*	2499.6
2.5°	2587.3	2583.8	2583.8	2555.7	2555.7	2548.7	2552.2	2531.2	2520.6	*2517.1*	2513.6
5°	2773.4	2773.4	2752.3	2734.8	2699.7	2668.1	2640.0	2597.9	2566.3	*2552.2*	2541.7
7.5°	3054.2	3033.2	3026.2	2973.5	2899.8	2836.6	2780.4	2689.1	2629.5	*2608.4*	2594.3
10°	3398.3	3370.2	3317.5	3257.9	3163.1	3068.3	2955.9	2833.1	2734.8	*2692.6*	2675.1
12.5°	3752.8	3714.2	3640.5	3584.3	3461.5	3317.5	3159.6	2991.0	2854.1	*2794.5*	2762.9
15°	4142.5	4121.5	4033.7	3921.4	3777.4	3573.8	3377.2	3170.1	2994.6	*2910.3*	2857.6
17.5°	4563.8	4532.2	4437.4	4300.5	4096.9	3854.7	3626.5	3359.7	3156.0	*3047.2*	2987.5
20°	4978.1	4971.0	4830.6	4700.7	4462.0	4160.1	3865.2	3584.3	3328.1	*3201.7*	3124.4
22.5°	5441.5	5395.8	5272.9	5090.4	4806.0	4528.7	4181.1	3816.0	3514.1	*3366.7*	3278.9
25°	5922.4	5918.9	5767.9	5543.3	5209.8	4858.7	4483.1	4079.3	3735.3	*3556.3*	3440.4
27.5°	6519.2	6473.6	6280.5	6024.2	5638.1	5234.3	4799.0	4353.2	3945.9	*3731.8*	3591.4
30°	7042.3	7028.3	6810.6	6522.7	6090.9	5610.0	5139.5	4662.1	4195.2	*3942.4*	3788.0
32.5°	7467.1	7449.5	7263.5	6975.6	6512.2	6013.7	5473.1	4953.5	4444.4	*4170.6*	3967.0
35°	7821.7	7793.6	7600.5	7312.6	6912.4	6406.9	5831.1	5258.9	4718.3	*4384.8*	4191.7
37.5°	7962.1	7937.5	7779.5	7540.8	7172.2	6708.8	6154.1	5595.9	4992.1	*4627.0*	4409.3
40°	7909.4	7895.4	7783.0	7618.0	7337.2	6951.0	6463.0	5947.0	5301.0	*4883.3*	4623.5
42.5°	7660.2	7660.2	7590.0	7505.7	7365.3	7087.9	6736.9	6284.0	5599.4	*5139.5*	4827.1
45°	7309.1	7295.1	7270.5	7238.9	7217.8	7112.5	6915.9	6575.4	5929.4	*5420.4*	5072.8
47.5°	6842.2	6852.7	6835.2	6849.2	6937.0	7003.7	6993.1	6845.7	6266.5	*5729.3*	5315.1
50°	6108.5	6157.6	6213.8	6378.8	6557.8	6743.9	6915.9	7038.8	6663.2	*6080.4*	5595.9
52.5°	5199.2	5220.3	5371.2	5760.9	6143.6	6389.3	6715.8	7126.6	7014.2	*6445.5*	5925.9
55°	4079.3	4118.0	4346.1	4897.3	5578.4	6048.8	6431.5	7087.9	7372.3	*6863.3*	6312.1
57.5°	2924.3	2948.9	3314.0	3882.7	4770.9	5560.8	6108.5	6933.5	7660.2	*7337.2*	6708.8
60°	2078.3	2123.9	2359.1	2913.8	3766.9	4886.8	5813.6	6708.8	7927.0	*7800.6*	7228.4
62.5°	1534.1	1558.7	1723.7	2127.4	2829.6	3967.0	5430.9	6543.8	8102.5	*8299.1*	7747.9
65°	1155.0	1165.5	1277.9	1555.2	2116.9	2924.3	4827.1	6512.2	8200.8	*8723.9*	8207.8
67.5°	*909.2*	*926.8*	*997.0*	*1186.6*	*1576.3*	*2127.4*	*3931.9*	*6491.1*	*8165.7*	*8895.9*	*8450.1*
70°	765.3	768.8	821.5	926.8	1179.6	1530.6	2938.4	6175.2	7969.1	*8594.0*	8225.4
72.5°	663.5	663.5	688.1	772.3	947.9	1158.5	2001.1	5420.4	7470.6	*7677.7*	7446.0
75°	537.1	533.6	575.7	656.5	761.8	891.7	1344.6	4103.9	6424.4	*6319.1*	6129.5
77.5°	466.9	463.4	498.5	568.7	628.4	712.7	919.8	2664.6	5055.3	*4739.3*	4620.0
80°	400.2	389.7	417.8	484.5	516.1	554.7	635.4	1551.7	3303.5	*3106.9*	2963.0
82.5°	301.9	277.3	270.3	326.5	347.6	323.0	323.0	544.1	1200.6	*1211.2*	1119.9
85°	24.6	28.1	35.1	42.1	59.7	66.7	70.2	115.9	179.0	*172.0*	175.5
87.5°	3.5	3.5	3.5	7.0	7.0	10.5	10.5	10.5	14.0	*14.0*	14.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	*0.0*	0.0

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REPORT NUMBER: P867896
CATALOG NUMBER: MEM2-HSN-SA-130-727-U-T2R

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	2499.6	2499.6	2499.6	2499.6	2499.6	2499.6	2499.6	2499.6	2499.6	2499.6	2499.6
2.5°	2510.1	2503.1	2496.0	2496.0	2496.0	2489.0	2485.5	2485.5	2482.0	2471.5	2468.0
5°	2534.7	2524.1	2513.6	2513.6	2513.6	2510.1	2506.6	2510.1	2506.6	2496.0	2492.5
7.5°	2583.8	2569.8	2555.7	2555.7	2562.8	2559.2	2559.2	2562.8	2559.2	2548.7	2545.2
10°	2654.0	2633.0	2625.9	2625.9	2633.0	2629.5	2625.9	2625.9	2622.4	2604.9	2611.9
12.5°	2731.3	2710.2	2703.2	2706.7	2703.2	2696.2	2699.7	2689.1	2685.6	2657.5	2654.0
15°	2829.6	2805.0	2790.9	2794.5	2783.9	2769.9	2755.8	2748.8	2734.8	2710.2	2703.2
17.5°	2941.9	2903.3	2885.7	2885.7	2864.7	2836.6	2815.5	2794.5	2773.4	2745.3	2738.3
20°	3050.7	3015.6	2987.5	2980.5	2938.4	2892.7	2854.1	2819.0	2794.5	2762.9	2755.8
22.5°	3187.6	3138.5	3099.9	3068.3	3005.1	2931.4	2871.7	2822.5	2787.4	2752.3	2741.8
25°	3331.6	3261.4	3198.2	3138.5	3050.7	2945.4	2861.2	2790.9	2745.3	2706.7	2699.7
27.5°	3475.5	3384.2	3293.0	3198.2	3064.8	2927.9	2808.5	2724.2	2664.6	2615.4	2608.4
30°	3630.0	3517.6	3373.7	3236.8	3061.3	2882.2	2731.3	2611.9	2541.7	2485.5	2478.5
32.5°	3788.0	3647.5	3450.9	3264.9	3043.7	2815.5	2618.9	2492.5	2404.8	2341.6	2324.0
35°	3963.5	3791.5	3521.1	3275.4	2994.6	2717.2	2499.6	2341.6	2239.8	2176.6	2162.5
37.5°	4142.5	3924.9	3566.8	3268.4	2924.3	2601.4	2345.1	2183.6	2064.2	1976.5	1962.4
40°	4325.1	4047.7	3594.9	3233.3	2826.0	2457.4	2201.2	2004.6	1832.5	1751.8	1713.2
42.5°	4493.6	4160.1	3608.9	3184.1	2717.2	2306.5	2011.6	1755.3	1593.8	1506.1	1523.6
45°	4669.1	4265.4	3612.4	3124.4	2573.3	2113.4	1772.9	1534.1	1372.7	1305.9	1298.9
47.5°	4820.1	4353.2	3605.4	3040.2	2411.8	1892.2	1523.6	1295.4	1176.1	1112.9	1105.8
50°	5020.2	4451.5	3594.9	2941.9	2201.2	1639.5	1291.9	1105.8	997.0	947.9	944.4
52.5°	5220.3	4560.3	3587.9	2805.0	1980.0	1400.7	1081.3	933.8	860.1	835.5	828.5
55°	5483.6	4693.7	3591.4	2647.0	1727.2	1155.0	916.3	814.5	775.8	765.3	765.3
57.5°	5785.5	4865.7	3612.4	2471.5	1463.9	954.9	796.9	751.3	747.8	754.8	758.3
60°	6150.6	5093.9	3654.6	2288.9	1221.7	807.4	726.7	723.2	733.7	758.3	765.3
62.5°	6561.3	5343.2	3707.2	2050.2	990.0	709.1	688.1	702.1	716.2	744.3	747.8
65°	6922.9	5624.0	3738.8	1822.0	828.5	653.0	663.5	670.5	705.6	744.3	744.3
67.5°	*7140.6*	*5827.6*	*3619.4*	*1534.1*	*691.6*	*603.8*	*624.9*	*646.0*	*684.6*	*719.7*	*726.7*
70°	7066.9	5760.9	3212.2	1190.1	586.3	558.2	582.8	614.4	653.0	695.1	716.2
72.5°	6554.3	5287.0	2608.4	867.1	509.0	516.1	547.7	589.8	624.9	670.5	698.6
75°	5480.1	4412.8	1881.7	624.9	445.8	473.9	523.1	558.2	582.8	593.3	596.8
77.5°	4160.1	3243.8	1281.4	466.9	386.2	424.8	477.4	516.1	523.1	530.1	537.1
80°	2717.2	2064.2	723.2	326.5	294.9	347.6	389.7	431.8	417.8	438.8	445.8
82.5°	1148.0	902.2	330.0	161.5	136.9	147.4	158.0	140.4	129.9	129.9	112.3
85°	151.0	115.9	49.1	21.1	17.6	10.5	10.5	10.5	7.0	7.0	7.0
87.5°	14.0	14.0	10.5	10.5	7.0	7.0	3.5	7.0	3.5	3.5	3.5
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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LM-79-2019: Approved Method: Electrical and Photometric Measurements of Solid-State Lighting Products

Report Prepared for

Cooper Lighting Solutions

Streetworks

Report Number: SP1-2407-157-3

Test Date: 08/07/2024

Luminaire Tested: MEM2-HTN-SA-30-727-U-5WQ-2

Data in this report applies to families of products including MEM2-HTN-SA-30-727-U-5WQ-2

Report Generated By FNC07603 / LDUCLS01DT446
Version: v7.04

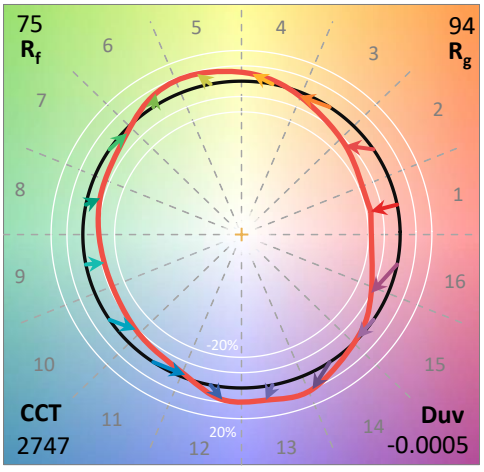
Test Information

Test Method:	LM-79-2019
Report Number:	SP1-2407-157-3
Test Lab:	COOPER LIGHTING SOLUTIONS
Photometer:	SP1 - 76IN SPHERE
Measurement Geometry:	4π
Issue Date:	08/20/2024
Manufacturer:	COOPER LIGHTING SOLUTIONS
Product Line:	Streetworks
Catalog Number:	**MEM2-HTN-SA-30-727-U-5WQ-2**
Description:	Epic Modern Light Square 30W 5WQ Optic and Flare Trim

Spectral Parameters

CCT (K):	2747	CRI (Ra):	71.7		
CIE u':	0.2606	R1:	68.1	R9:	-35.3
CIE v':	0.5257	R2:	83.9	R10:	64.2
Duv:	-0.0005	R3:	94.7	R11:	61.7
CIE x:	0.4552	R4:	66.3	R12:	53.9
CIE y:	0.4082	R5:	67.4	R13:	71.2
CIE z:	0.1366	R6:	78.7	R14:	97.6
Peak Wavelength (nm):	597	R7:	75.0	R15:	59.3
Dominant Wavelength (nm):	584	R8:	39.4		
Purity:	59.16856				

Rf:	75.5
Rg:	93.6



Test Conditions

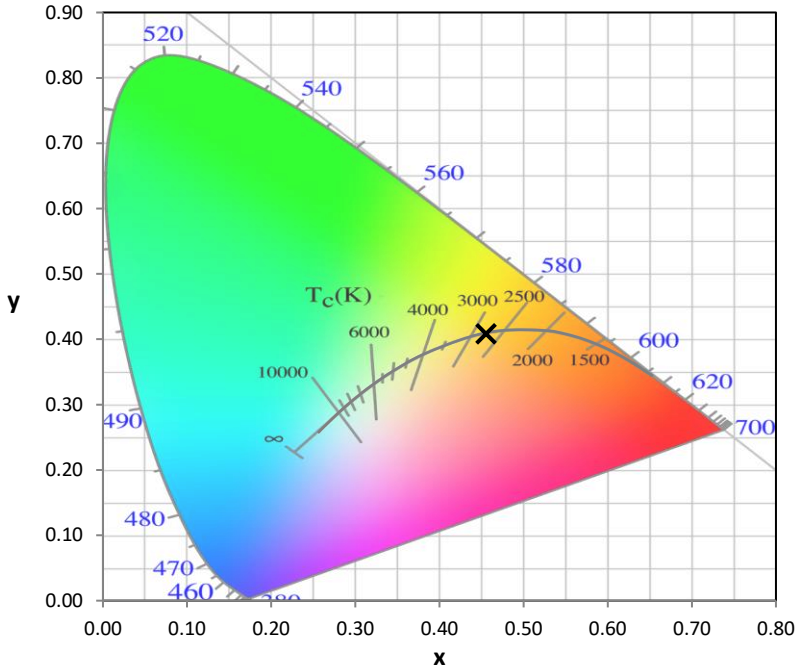
Stabilization Time:	22M
Operation Time:	1H 22M
Sphere Temperature (°C):	24.2

REPORT NUMBER: SP1-2407-157-3

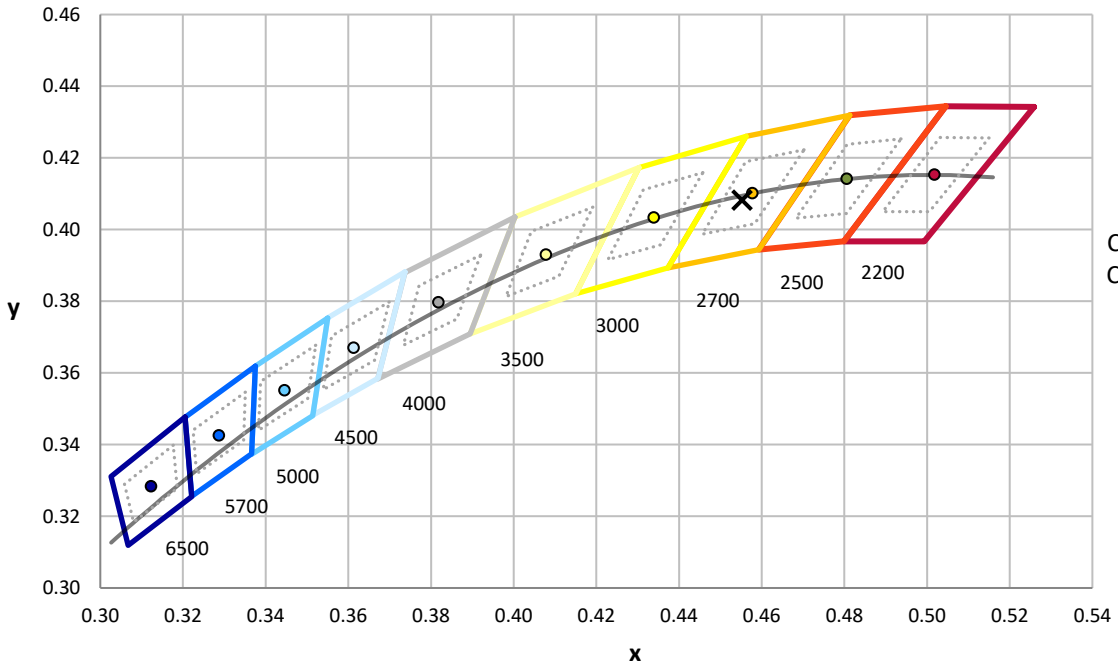
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085	10/24/2023	10/24/2024
Room Thermometer	IN0046	10/24/2023	10/24/2024

REPORT NUMBER: SP1-2407-157-3

CIE 1931 Chromaticity Diagram



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

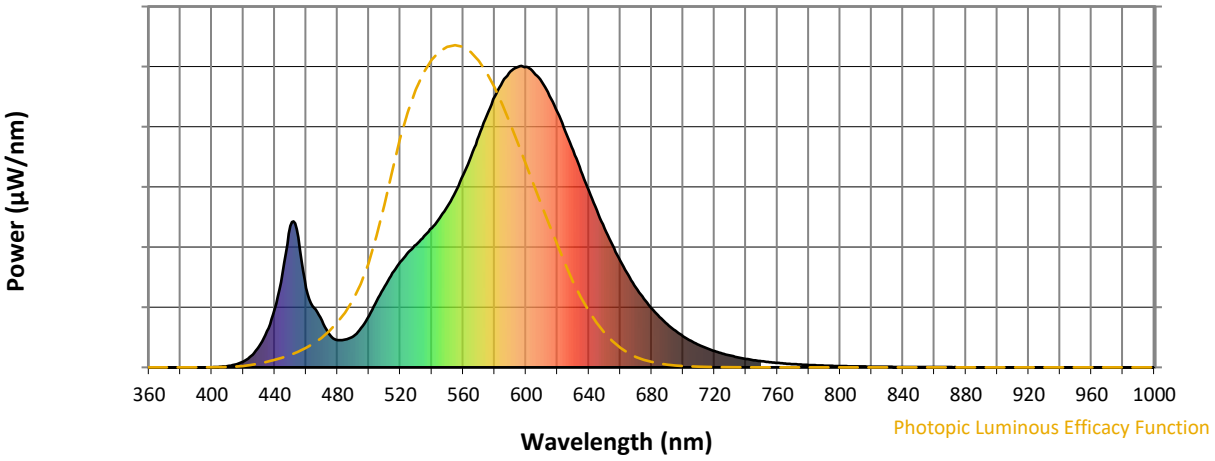


CCT = 2747K
CIE x = 0.4552
CIE y = 0.4082
Duv = -0.0005

Point lies inside the ANSI 2700K 4-step quadrangle

REPORT NUMBER: SP1-2407-157-3

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	103	NR	620	846	NR	750	20	NR	880	0	NR
365	0	NR	495	130	NR	625	784	NR	755	17	NR	885	1	NR
370	0	NR	500	171	NR	630	720	NR	760	15	NR	890	0	NR
375	0	NR	505	221	NR	635	652	NR	765	13	NR	895	0	NR
380	0	NR	510	268	NR	640	587	NR	770	11	NR	900	0	NR
385	0	NR	515	313	NR	645	521	NR	775	9	NR	905	0	NR
390	0	NR	520	350	NR	650	461	NR	780	8	NR	910	0	NR
395	0	NR	525	381	NR	655	406	NR	785	7	NR	915	0	NR
400	0	NR	530	407	NR	660	353	NR	790	6	NR	920	0	NR
405	2	NR	535	435	NR	665	307	NR	795	5	NR	925	0	NR
410	4	NR	540	462	NR	670	264	NR	800	4	NR	930	0	NR
415	9	NR	545	496	NR	675	227	NR	805	4	NR	935	0	NR
420	20	NR	550	534	NR	680	196	NR	810	3	NR	940	0	NR
425	38	NR	555	582	NR	685	167	NR	815	3	NR	945	0	NR
430	69	NR	560	638	NR	690	144	NR	820	2	NR	950	0	NR
435	120	NR	565	700	NR	695	122	NR	825	2	NR	955	0	NR
440	193	NR	570	767	NR	700	103	NR	830	2	NR	960	0	NR
445	316	NR	575	836	NR	705	88	NR	835	2	NR	965	0	NR
450	469	NR	580	898	NR	710	74	NR	840	1	NR	970	0	NR
455	431	NR	585	947	NR	715	63	NR	845	1	NR	975	0	NR
460	264	NR	590	982	NR	720	54	NR	850	1	NR	980	0	NR
465	197	NR	595	997	NR	725	46	NR	855	1	NR	985	0	NR
470	155	NR	600	997	NR	730	39	NR	860	1	NR	990	0	NR
475	108	NR	605	978	NR	735	33	NR	865	1	NR	995	0	NR
480	90	NR	610	947	NR	740	28	NR	870	1	NR	1000	0	NR
485	92	NR	615	900	NR	745	24	NR	875	1	NR			

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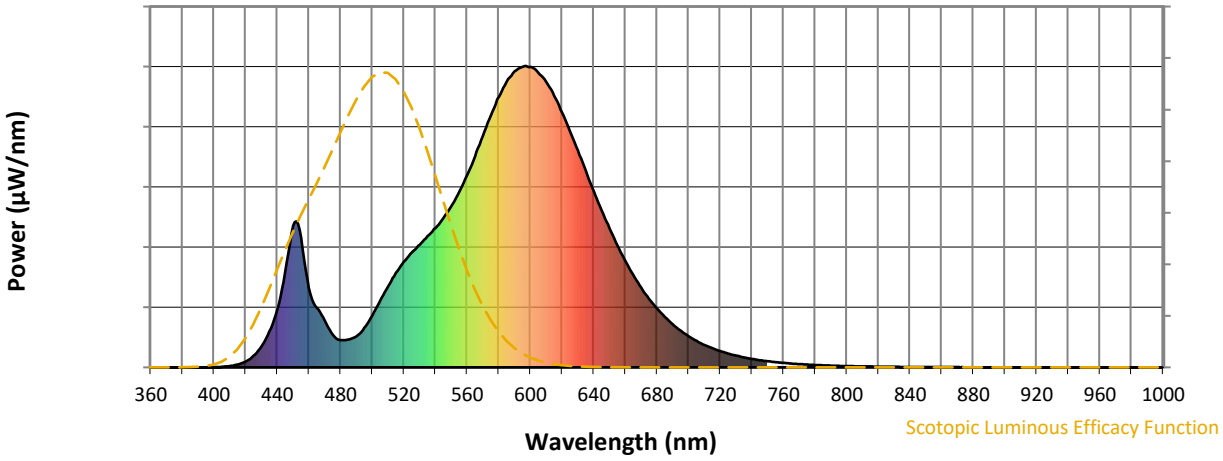
Scotopic Flux vs. Wavelength



Scotopic Lumens: NR **S/P: 1.13**

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	103	NR	620	846	NR	750	20	NR	880	0	NR
365	0	NR	495	130	NR	625	784	NR	755	17	NR	885	1	NR
370	0	NR	500	171	NR	630	720	NR	760	15	NR	890	0	NR
375	0	NR	505	221	NR	635	652	NR	765	13	NR	895	0	NR
380	0	NR	510	268	NR	640	587	NR	770	11	NR	900	0	NR
385	0	NR	515	313	NR	645	521	NR	775	9	NR	905	0	NR
390	0	NR	520	350	NR	650	461	NR	780	8	NR	910	0	NR
395	0	NR	525	381	NR	655	406	NR	785	7	NR	915	0	NR
400	0	NR	530	407	NR	660	353	NR	790	6	NR	920	0	NR
405	2	NR	535	435	NR	665	307	NR	795	5	NR	925	0	NR
410	4	NR	540	462	NR	670	264	NR	800	4	NR	930	0	NR
415	9	NR	545	496	NR	675	227	NR	805	4	NR	935	0	NR
420	20	NR	550	534	NR	680	196	NR	810	3	NR	940	0	NR
425	38	NR	555	582	NR	685	167	NR	815	3	NR	945	0	NR
430	69	NR	560	638	NR	690	144	NR	820	2	NR	950	0	NR
435	120	NR	565	700	NR	695	122	NR	825	2	NR	955	0	NR
440	193	NR	570	767	NR	700	103	NR	830	2	NR	960	0	NR
445	316	NR	575	836	NR	705	88	NR	835	2	NR	965	0	NR
450	469	NR	580	898	NR	710	74	NR	840	1	NR	970	0	NR
455	431	NR	585	947	NR	715	63	NR	845	1	NR	975	0	NR
460	264	NR	590	982	NR	720	54	NR	850	1	NR	980	0	NR
465	197	NR	595	997	NR	725	46	NR	855	1	NR	985	0	NR
470	155	NR	600	997	NR	730	39	NR	860	1	NR	990	0	NR
475	108	NR	605	978	NR	735	33	NR	865	1	NR	995	0	NR
480	90	NR	610	947	NR	740	28	NR	870	1	NR	1000	0	NR
485	92	NR	615	900	NR	745	24	NR	875	1	NR			

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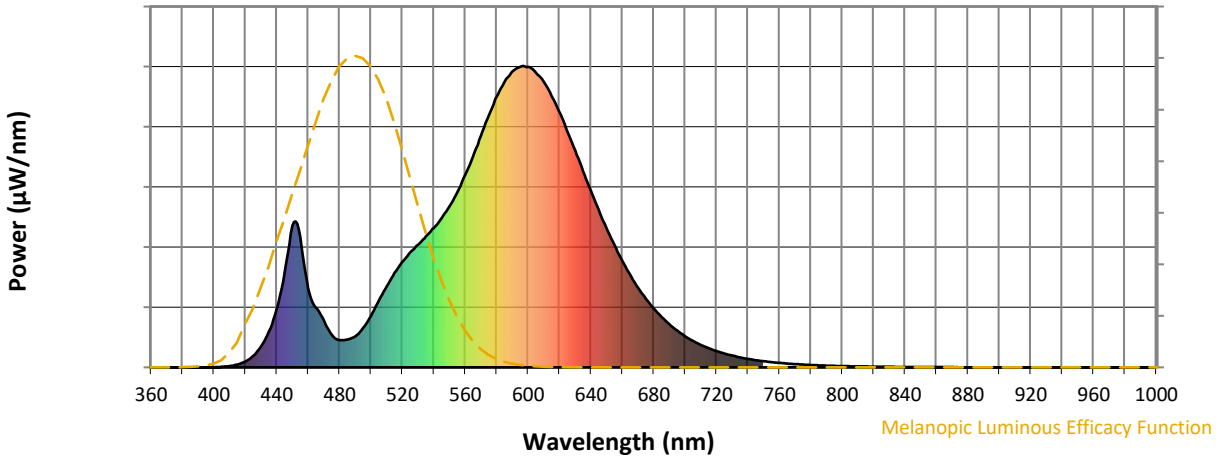
Melanopic Flux vs. Wavelength



Melanopic Lumens: NR **M/P: 2.04**

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	103	NR	620	846	NR	750	20	NR	880	0	NR
365	0	NR	495	130	NR	625	784	NR	755	17	NR	885	1	NR
370	0	NR	500	171	NR	630	720	NR	760	15	NR	890	0	NR
375	0	NR	505	221	NR	635	652	NR	765	13	NR	895	0	NR
380	0	NR	510	268	NR	640	587	NR	770	11	NR	900	0	NR
385	0	NR	515	313	NR	645	521	NR	775	9	NR	905	0	NR
390	0	NR	520	350	NR	650	461	NR	780	8	NR	910	0	NR
395	0	NR	525	381	NR	655	406	NR	785	7	NR	915	0	NR
400	0	NR	530	407	NR	660	353	NR	790	6	NR	920	0	NR
405	2	NR	535	435	NR	665	307	NR	795	5	NR	925	0	NR
410	4	NR	540	462	NR	670	264	NR	800	4	NR	930	0	NR
415	9	NR	545	496	NR	675	227	NR	805	4	NR	935	0	NR
420	20	NR	550	534	NR	680	196	NR	810	3	NR	940	0	NR
425	38	NR	555	582	NR	685	167	NR	815	3	NR	945	0	NR
430	69	NR	560	638	NR	690	144	NR	820	2	NR	950	0	NR
435	120	NR	565	700	NR	695	122	NR	825	2	NR	955	0	NR
440	193	NR	570	767	NR	700	103	NR	830	2	NR	960	0	NR
445	316	NR	575	836	NR	705	88	NR	835	2	NR	965	0	NR
450	469	NR	580	898	NR	710	74	NR	840	1	NR	970	0	NR
455	431	NR	585	947	NR	715	63	NR	845	1	NR	975	0	NR
460	264	NR	590	982	NR	720	54	NR	850	1	NR	980	0	NR
465	197	NR	595	997	NR	725	46	NR	855	1	NR	985	0	NR
470	155	NR	600	997	NR	730	39	NR	860	1	NR	990	0	NR
475	108	NR	605	978	NR	735	33	NR	865	1	NR	995	0	NR
480	90	NR	610	947	NR	740	28	NR	870	1	NR	1000	0	NR
485	92	NR	615	900	NR	745	24	NR	875	1	NR			

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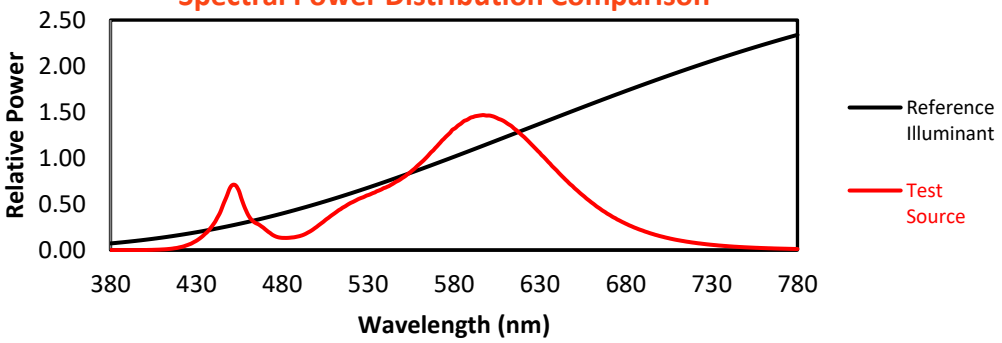
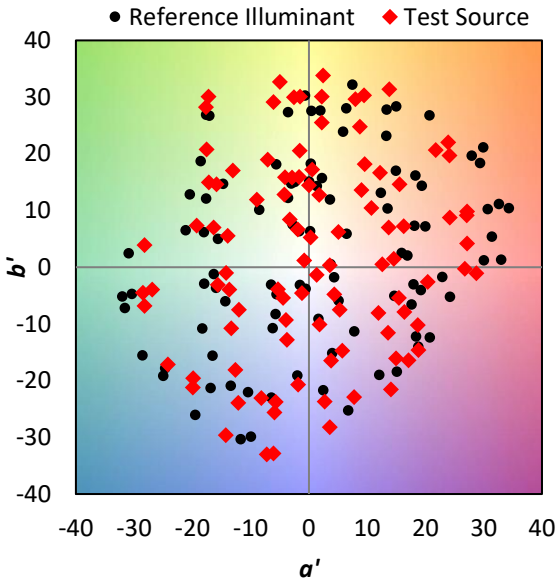
Summary

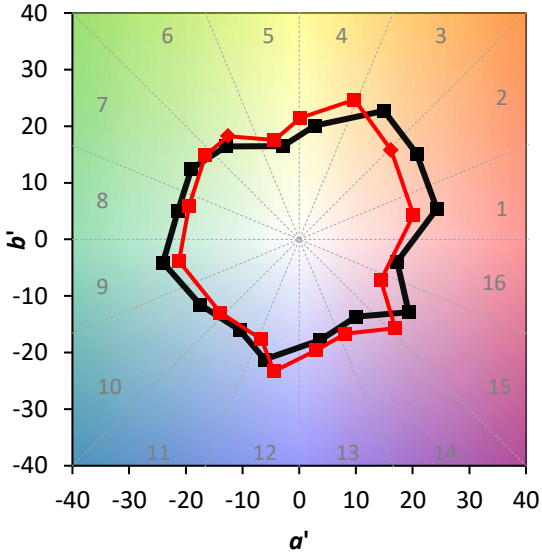
R_f = 75.5
R_g = 93.6
CIE R_a = 71.7
R_9 = -35.3

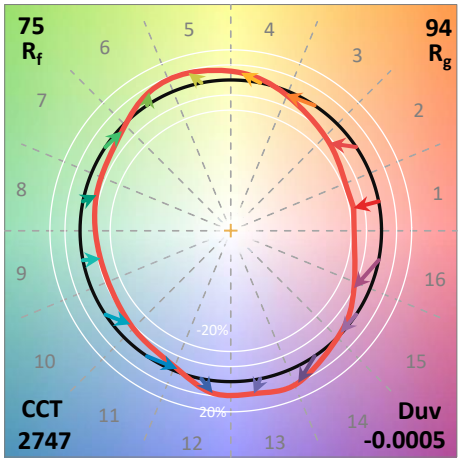
Spectral Power Distribution Comparison

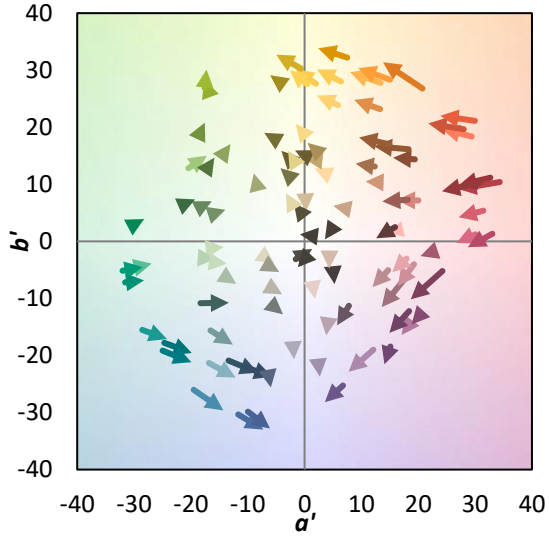


Color Vector Graphics









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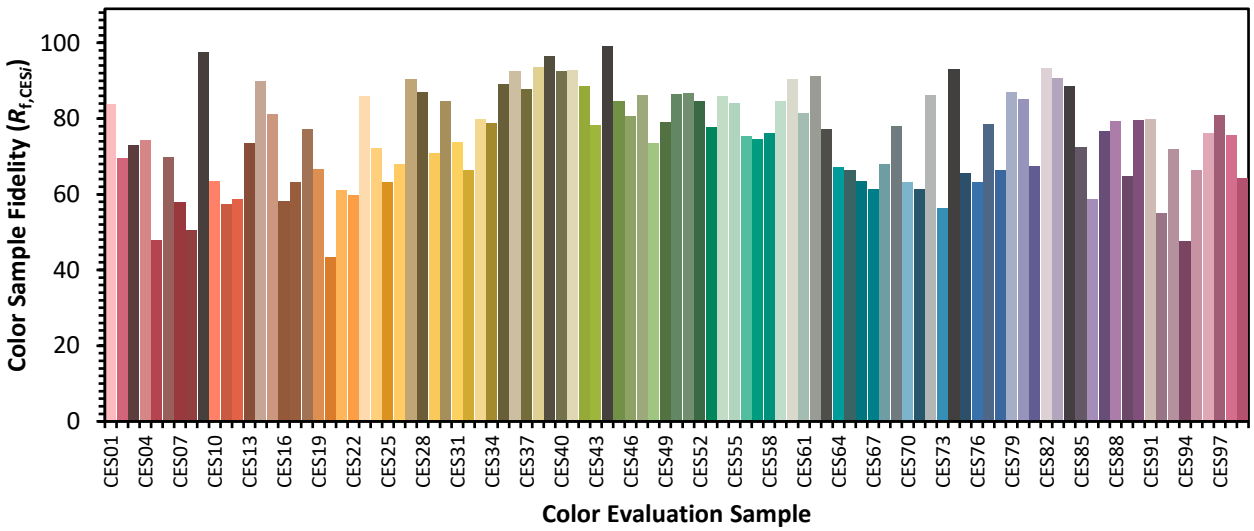
Individual Sample Fidelity Index ($R_{f,i}$)

CES01 = 86	CES26 = 68	CES51 = 87	CES76 = 63
CES02 = 63	CES27 = 90	CES52 = 85	CES77 = 79
CES03 = 31	CES28 = 87	CES53 = 78	CES78 = 66
CES04 = 71	CES29 = 71	CES54 = 86	CES79 = 87
CES05 = 50	CES30 = 85	CES55 = 84	CES80 = 85
CES06 = 52	CES31 = 74	CES56 = 75	CES81 = 67
CES07 = 42	CES32 = 66	CES57 = 75	CES82 = 93
CES08 = 41	CES33 = 80	CES58 = 76	CES83 = 91
CES09 = 29	CES34 = 79	CES59 = 85	CES84 = 89
CES10 = 77	CES35 = 89	CES60 = 90	CES85 = 72
CES11 = 60	CES36 = 93	CES61 = 81	CES86 = 59
CES12 = 66	CES37 = 88	CES62 = 91	CES87 = 77
CES13 = 43	CES38 = 93	CES63 = 77	CES88 = 79
CES14 = 74	CES39 = 97	CES64 = 67	CES89 = 65
CES15 = 72	CES40 = 93	CES65 = 66	CES90 = 80
CES16 = 48	CES41 = 93	CES66 = 63	CES91 = 80
CES17 = 51	CES42 = 89	CES67 = 61	CES92 = 55
CES18 = 57	CES43 = 78	CES68 = 68	CES93 = 72
CES19 = 73	CES44 = 99	CES69 = 78	CES94 = 48
CES20 = 67	CES45 = 85	CES70 = 63	CES95 = 66
CES21 = 88	CES46 = 81	CES71 = 61	CES96 = 76
CES22 = 80	CES47 = 86	CES72 = 86	CES97 = 81
CES23 = 92	CES48 = 74	CES73 = 56	CES98 = 76
CES24 = 91	CES49 = 79	CES74 = 93	CES99 = 64
CES25 = 73	CES50 = 86	CES75 = 66	



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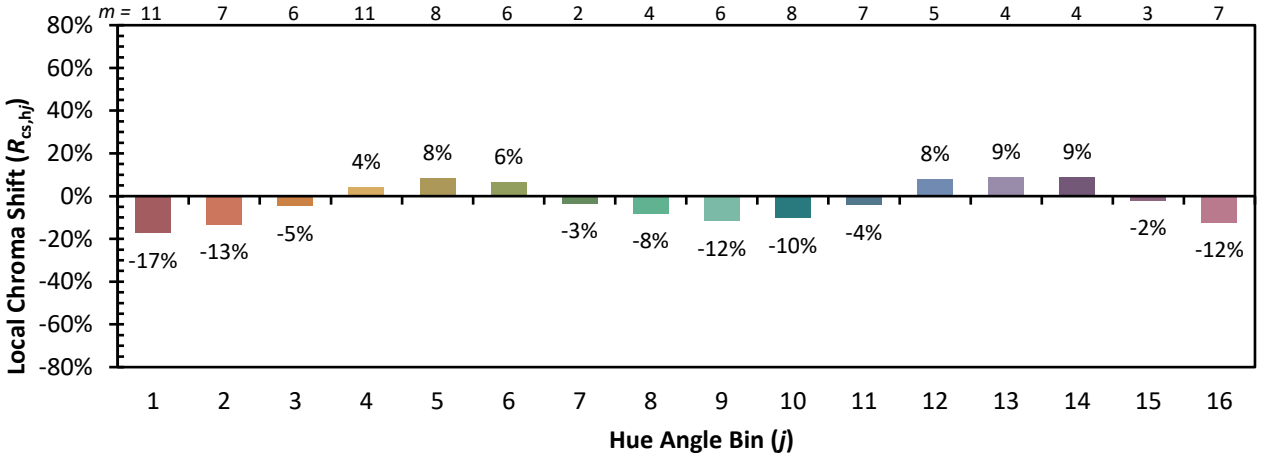
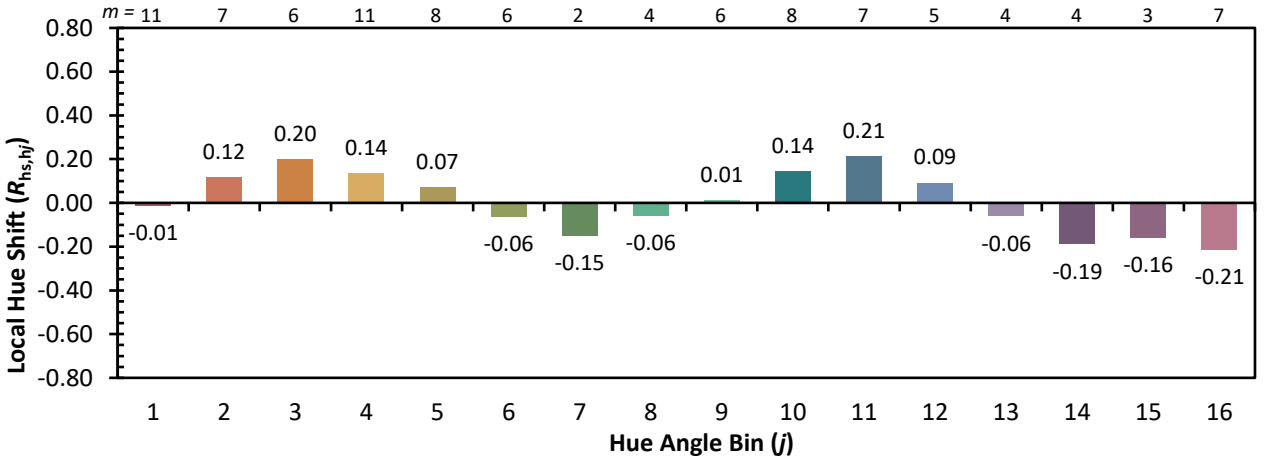
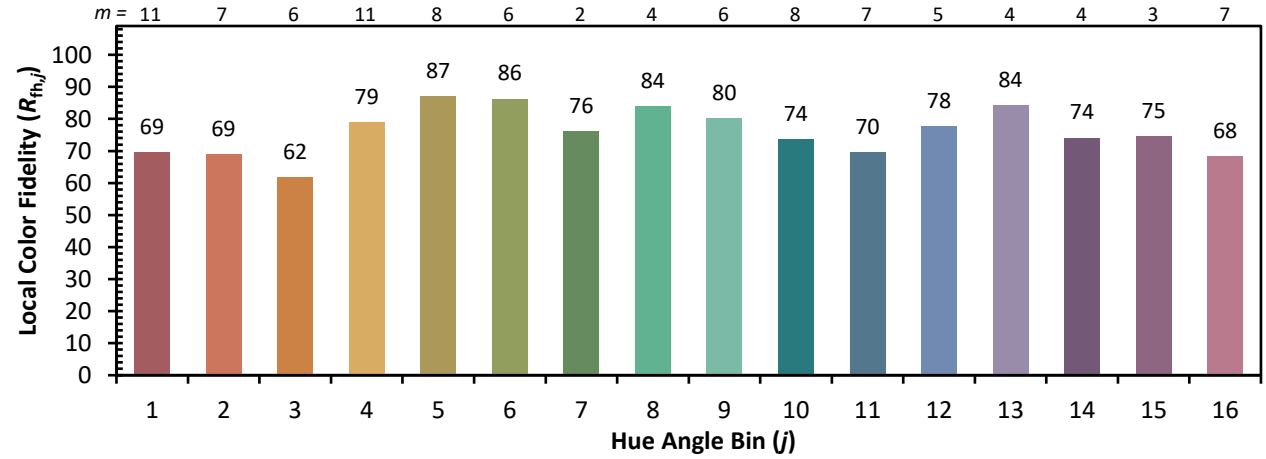
Color Rendition by Hue-Angle Bin







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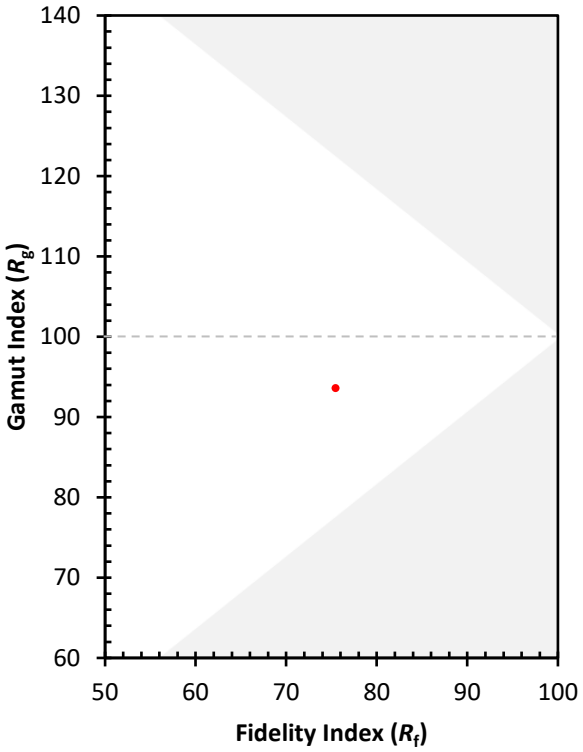
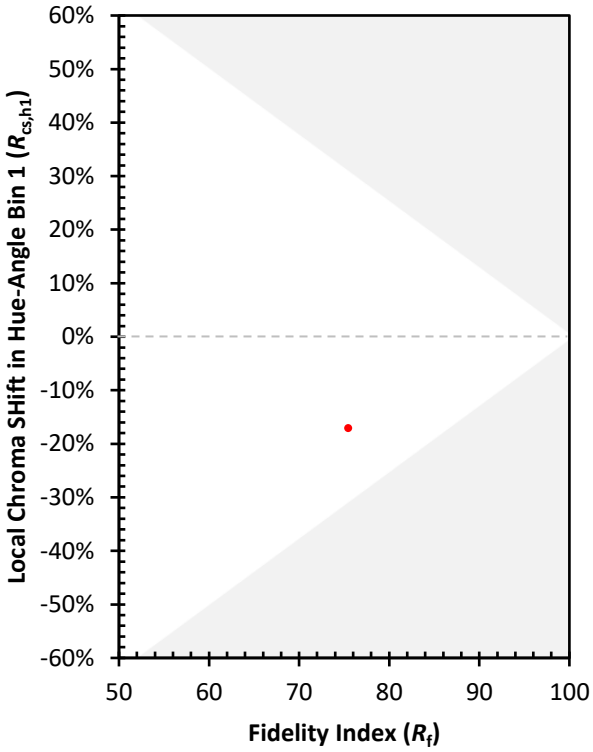
Measure Comparisons





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