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: INVUE

Report Number: P868351

Luminaire Tested: **EMM2-HTN-SA2C-727-U-T1**

Issue Date: 08/22/2024

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:	P868351
Test Lab:	INNOVATION CENTER(G3)
Issue Date:	08/22/2024
Manufacturer:	COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line:	INVUE
Catalog Number:	EMM2-HTN-SA2C-727-U-T1
Description:	EPIC MODERN TALL HOUSING DISCRETE LED ARRAYS 120W 70CRI 2700K FIXTURE w/ TYPE 1 DISTRIBUTION OPTIC
Light Source:	(20) 2700K CCT, 70 CRI LEDS
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	13184.4 lumens
Efficiency:	N/A
Efficacy:	130.5 lumens/watt
Luminous Opening:	Rectangular (W 0.67' x L: 0.33' x H: 0')
IES Classification:	Type I - Short
BUG Rating:	B3 - U0 - G3

Input Watts (W):	101
Input Voltage (V):	120
Input Current (Ain):	NR
Voltage Rise (V):	NR
Power Factor:	0.99
Total Harmonic Distortion (THDi):	9.45%
Frequency (hertz):	60
Stabilization Time:	NR
Operation Time:	NR
Ambient Temperature (°C):	NR
Test Distance:	24 FT

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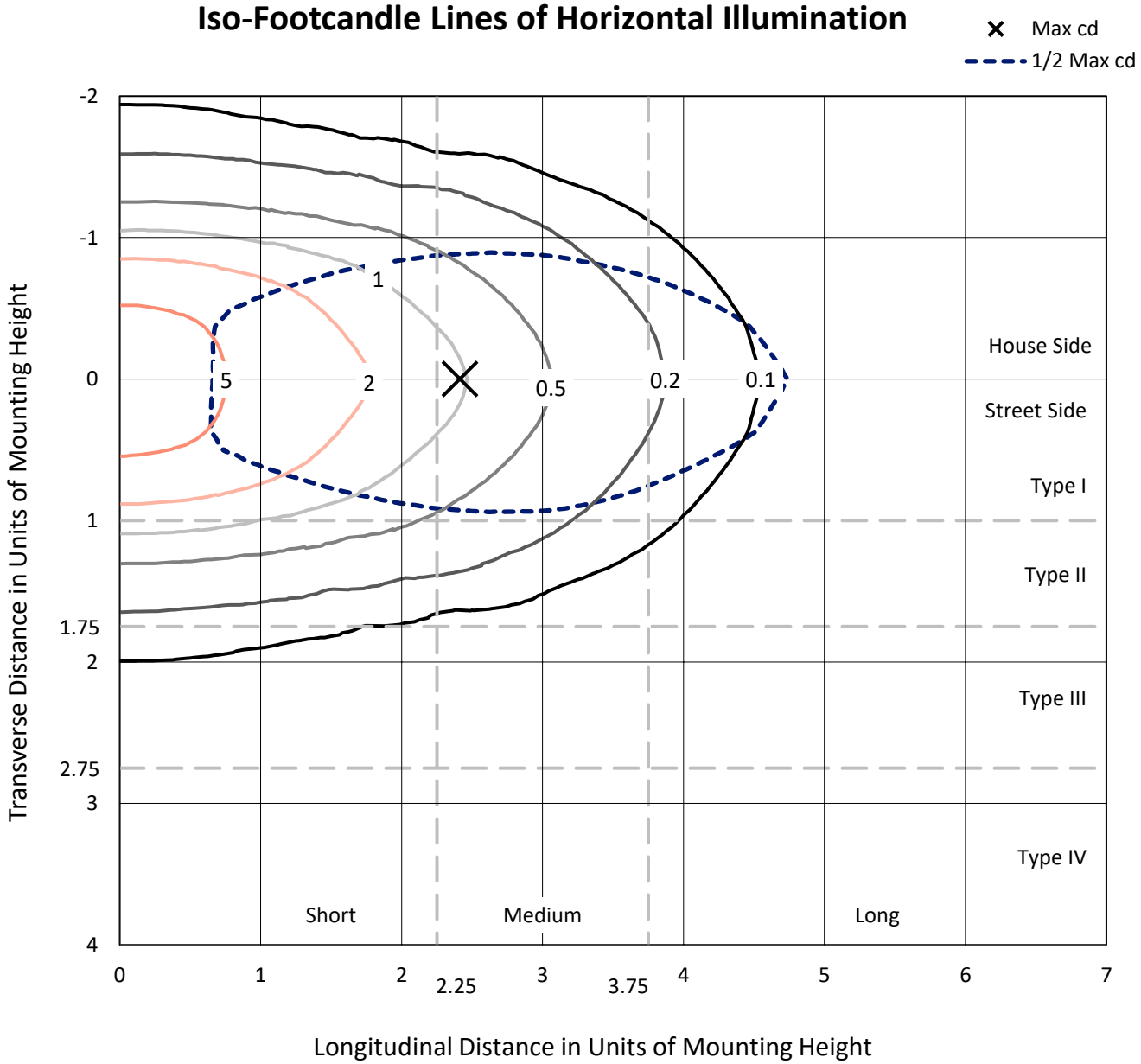
REPORT NUMBER: P868351
CATALOG NUMBER: EMM2-HTN-SA2C-727-U-T1

Iso-Footcandle Lines of Horizontal Illumination



Based on 20 foot mounting height. Maximum calculated value = 8 fc
Type I - Short - N/A

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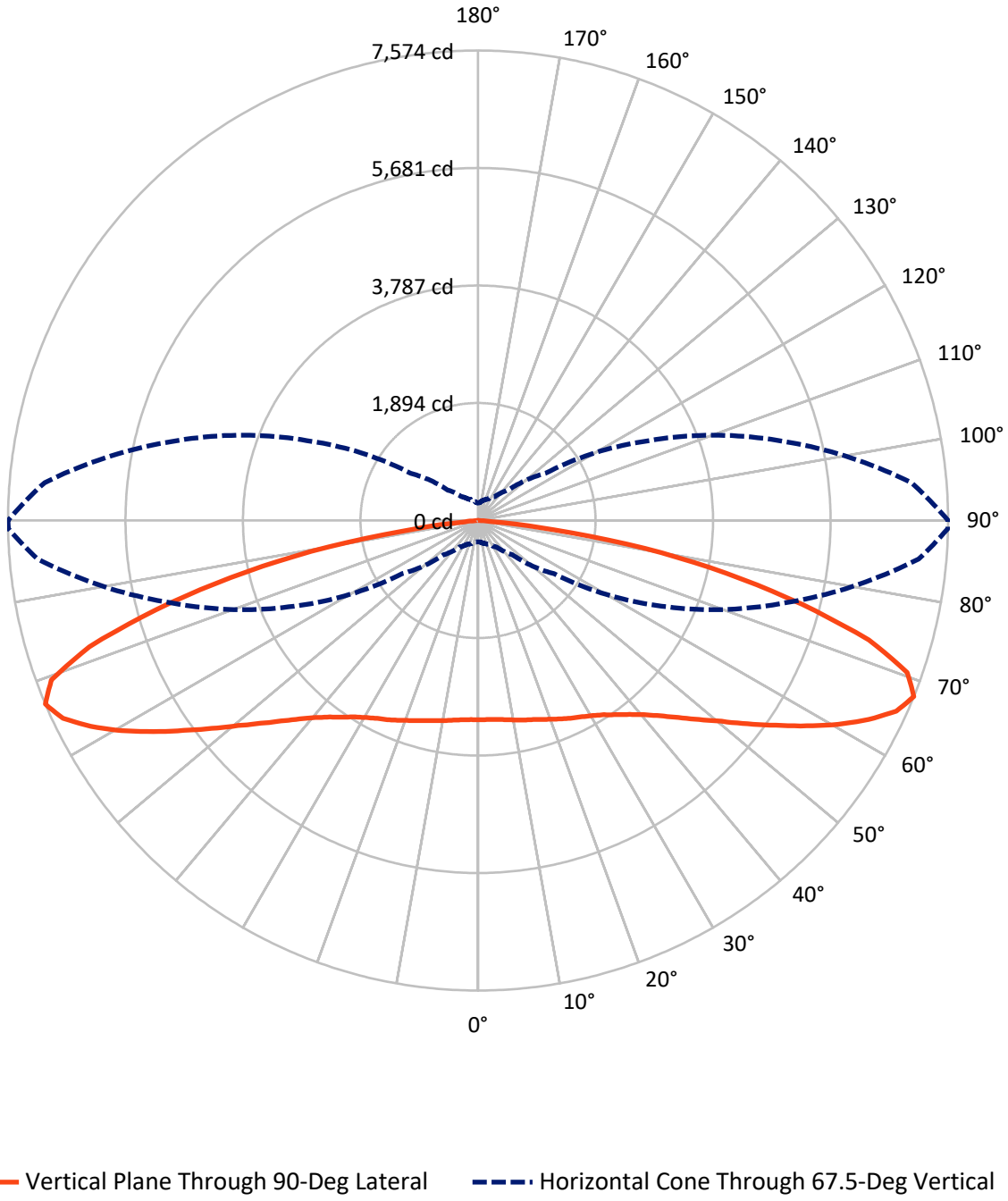
Luminous Intensity Polar Plot



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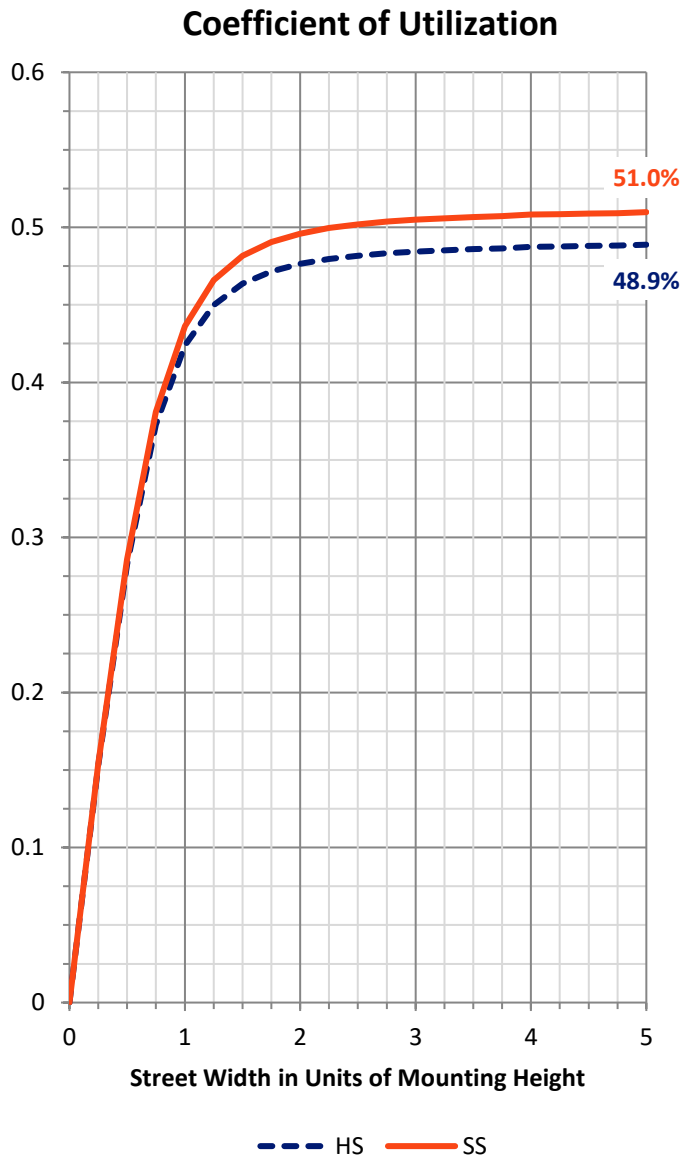
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	6475.1	0.0	6475.1
	% Fixture	49.1	0.0	49.1
Street Side	Lumens	6709.3	0.0	6709.3
	% Fixture	50.9	0.0	50.9
Total	Lumens	13184.4	0.0	13184.4
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	307.9	2.3
10°-20°	925.2	7.0
20°-30°	1531.1	11.6
30°-40°	2030.2	15.4
40°-50°	2289.1	17.4
50°-60°	2346.7	17.8
60°-70°	2216.4	16.8
70°-80°	1360.0	10.3
80°-90°	177.9	1.3
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°	13184.4	100.0
0°-180°	13184.4	100.0



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REPORT NUMBER: P868351
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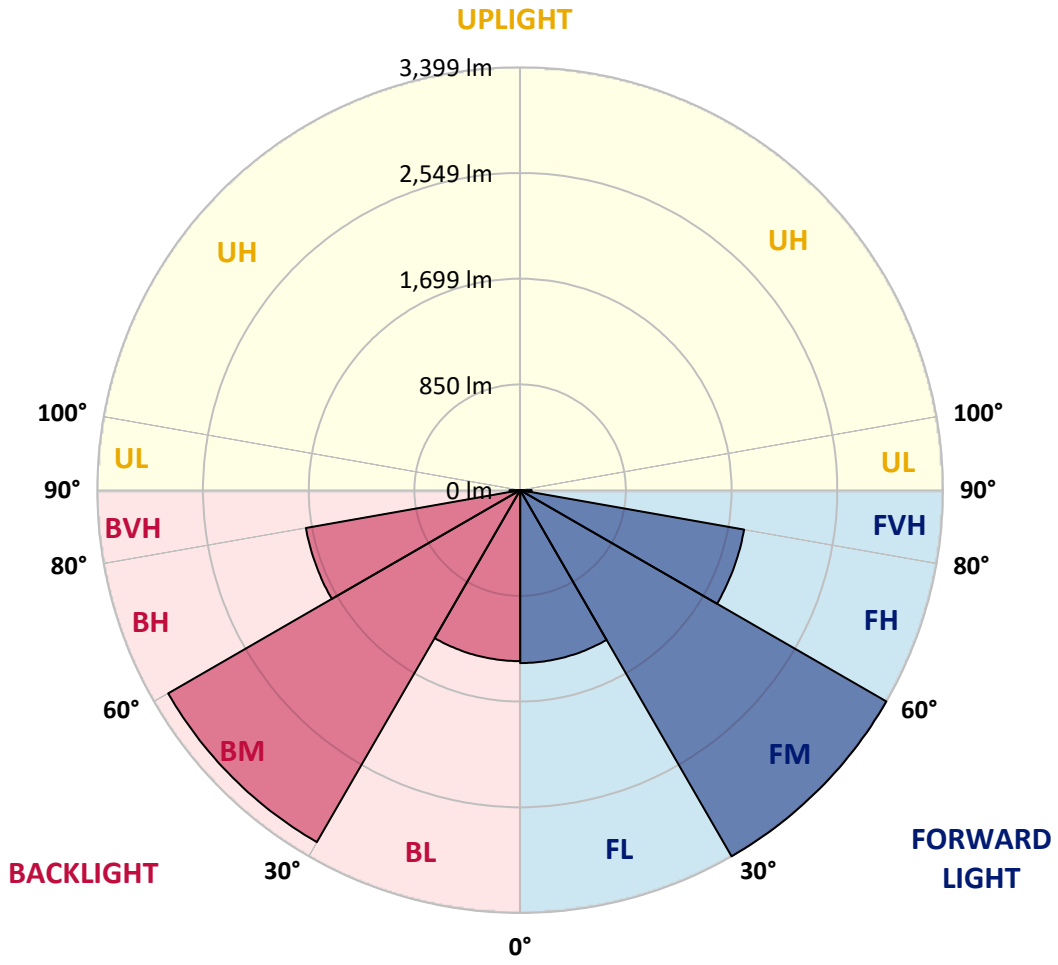
LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	1390.0	10.5			
FM	(30°-60°)	3398.8	25.8			
FH	(60°-80°)	1827.8	13.9			G2/5000
FVH	(80°-90°)	92.7	0.7			G1/100
BL	(0°-30°)	1374.1	10.4	B3/2500		
BM	(30°-60°)	3267.2	24.8	B3/5000		
BH	(60°-80°)	1748.5	13.3	B3/2500		G3/2500
BVH	(80°-90°)	85.2	0.6			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 I Short



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REPORT NUMBER: P868351
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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	89°
0°	3212.4	3212.4	3212.4	3212.4	3212.4	3212.4	3212.4	3212.4	3212.4	3212.4	3212.4
2.5°	3225.0	3225.0	3217.4	3204.8	3202.2	3204.8	3220.0	3212.4	3212.4	3214.9	3212.4
5°	3225.0	3225.0	3220.0	3207.3	3207.3	3207.3	3225.0	3217.4	3220.0	3222.5	3222.5
7.5°	3230.1	3230.1	3225.0	3214.9	3214.9	3214.9	3240.2	3235.1	3235.1	3242.7	3237.7
10°	3242.7	3237.7	3232.6	3235.1	3227.6	3240.2	3252.9	3255.4	3265.5	3270.6	3268.1
12.5°	3242.7	3237.7	3225.0	3240.2	3240.2	3257.9	3275.6	3285.8	3298.4	3298.4	3298.4
15°	3227.6	3222.5	3212.4	3237.7	3247.8	3270.6	3295.9	3311.1	3333.9	3333.9	3331.3
17.5°	3209.8	3202.2	3197.2	3235.1	3257.9	3288.3	3326.3	3346.5	3371.8	3374.4	3369.3
20°	3176.9	3174.4	3176.9	3227.6	3268.1	3311.1	3356.7	3384.5	3417.4	3427.5	3419.9
22.5°	3141.5	3141.5	3151.6	3220.0	3283.2	3341.5	3402.2	3437.7	3470.6	3480.7	3470.6
25°	3093.4	3093.4	3113.6	3194.6	3288.3	3374.4	3445.3	3493.4	3523.7	3533.9	3528.8
27.5°	3020.0	3020.0	3042.8	3144.0	3273.1	3399.7	3490.8	3546.5	3579.4	3589.5	3584.5
30°	2916.2	2911.1	2941.5	3068.1	3245.3	3427.5	3544.0	3602.2	3645.2	3652.8	3645.2
32.5°	2751.6	2759.2	2804.8	2964.3	3199.7	3445.3	3607.3	3675.6	3723.7	3738.9	3733.8
35°	2551.7	2564.3	2627.6	2832.7	3113.6	3442.7	3673.1	3756.6	3819.9	3840.2	3837.6
37.5°	2313.7	2331.4	2409.9	2650.4	2984.5	3404.8	3733.8	3847.7	3931.3	3956.6	3961.7
40°	2053.0	2070.7	2172.0	2437.8	2809.9	3316.2	3769.3	3951.5	4062.9	4113.5	4121.1
42.5°	1777.1	1807.4	1928.9	2187.1	2599.8	3174.4	3769.3	4052.8	4189.5	4283.2	4290.7
45°	1511.3	1536.6	1683.4	1936.5	2374.5	2992.1	3726.2	4154.1	4361.6	4523.6	4518.6
47.5°	1280.9	1288.5	1422.7	1678.3	2123.9	2784.6	3637.6	4245.2	4543.9	4759.1	4804.6
50°	1042.9	1060.7	1174.6	1427.7	1868.2	2556.7	3488.3	4303.4	4731.2	5057.8	5116.0
52.5°	875.9	878.4	964.5	1197.4	1602.4	2280.8	3308.6	4318.6	4910.9	5381.8	5452.7
55°	713.9	726.5	799.9	974.6	1346.7	2009.9	3075.7	4295.8	5075.5	5695.7	5827.3
57.5°	612.6	615.1	668.3	807.5	1136.6	1721.4	2817.5	4219.9	5212.2	6042.5	6209.6
60°	526.5	526.5	567.0	673.4	918.9	1440.4	2513.7	4085.7	5288.1	6414.6	6657.6
62.5°	458.2	460.7	496.2	574.6	764.5	1189.8	2179.5	3875.6	5316.0	6774.1	7052.5
65°	415.2	417.7	437.9	491.1	630.3	967.0	1837.8	3619.9	5278.0	7042.4	7404.4
67.5°	*344.3*	*346.8*	*382.2*	*422.7*	*524.0*	*777.1*	*1493.5*	*3265.5*	*5123.6*	*7125.9*	*7568.9*
70°	263.3	270.9	319.0	362.0	435.4	620.2	1146.7	2797.2	4754.0	6842.4	7298.1
72.5°	220.2	222.8	258.2	306.3	364.5	486.0	870.8	2202.3	4192.0	6110.8	6617.1
75°	192.4	194.9	215.2	258.2	303.8	389.8	605.0	1521.4	3344.0	4941.3	5404.6
77.5°	174.7	177.2	182.3	217.7	255.7	301.2	427.8	903.7	2359.3	3776.9	4019.9
80°	167.1	167.1	154.4	179.7	210.1	235.4	286.0	518.9	1513.8	2546.6	2741.5
82.5°	119.0	116.4	106.3	111.4	129.1	129.1	146.8	215.2	579.7	1075.9	1167.0
85°	7.6	7.6	12.7	15.2	22.8	30.4	38.0	50.6	146.8	200.0	207.6
87.5°	2.5	2.5	2.5	2.5	2.5	5.1	5.1	5.1	7.6	10.1	10.1
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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Scaled Data Report

REPORT NUMBER: P868351
CATALOG NUMBER: EMM2-HTN-SA2C-727-U-T1

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	3212.4	3212.4	3212.4	3212.4	3212.4	3212.4	3212.4	3212.4	3212.4	3212.4	3212.4
2.5°	3209.8	3212.4	3212.4	3217.4	3222.5	3220.0	3217.4	3222.5	3214.9	3199.7	3197.2
5°	3220.0	3220.0	3217.4	3222.5	3227.6	3222.5	3217.4	3217.4	3212.4	3197.2	3194.6
7.5°	3240.2	3237.7	3237.7	3237.7	3237.7	3230.1	3222.5	3217.4	3209.8	3194.6	3187.1
10°	3268.1	3265.5	3263.0	3260.5	3247.8	3240.2	3227.6	3220.0	3209.8	3192.1	3187.1
12.5°	3298.4	3293.4	3288.3	3290.8	3265.5	3242.7	3230.1	3212.4	3204.8	3164.3	3156.7
15°	3328.8	3321.2	3318.7	3308.6	3283.2	3250.3	3225.0	3199.7	3174.4	3136.4	3123.8
17.5°	3369.3	3364.2	3349.1	3338.9	3303.5	3257.9	3220.0	3184.5	3151.6	3106.0	3098.5
20°	3417.4	3412.3	3397.2	3376.9	3331.3	3275.6	3222.5	3166.8	3126.3	3073.1	3060.5
22.5°	3470.6	3463.0	3450.3	3427.5	3369.3	3303.5	3230.1	3156.7	3095.9	3035.2	3027.6
25°	3526.3	3521.2	3508.5	3475.6	3412.3	3331.3	3230.1	3121.2	3045.3	2992.1	2969.3
27.5°	3579.4	3576.9	3561.7	3523.7	3457.9	3351.6	3207.3	3063.0	2961.8	2890.9	2875.7
30°	3647.8	3642.7	3625.0	3582.0	3508.5	3364.2	3161.7	2964.3	2837.7	2759.2	2736.5
32.5°	3731.3	3726.2	3700.9	3647.8	3569.3	3366.8	3095.9	2837.7	2670.6	2587.1	2559.3
35°	3842.7	3832.6	3799.7	3736.4	3627.5	3341.5	2979.5	2675.7	2470.7	2361.8	2323.8
37.5°	3964.2	3951.5	3908.5	3830.0	3668.0	3273.1	2814.9	2458.0	2225.1	2096.0	2068.2
40°	4113.5	4095.8	4030.0	3921.2	3683.2	3154.1	2630.1	2235.2	1987.2	1845.4	1812.5
42.5°	4300.9	4270.5	4164.2	4022.4	3652.8	2992.1	2409.9	2004.9	1721.4	1589.7	1582.1
45°	4526.2	4478.1	4318.6	4121.1	3587.0	2789.6	2177.0	1746.7	1475.8	1346.7	1313.8
47.5°	4792.0	4733.7	4498.3	4197.1	3457.9	2582.0	1926.4	1496.1	1248.0	1116.4	1091.0
50°	5085.6	5029.9	4688.2	4240.1	3318.7	2339.0	1680.9	1273.3	1025.2	916.4	916.4
52.5°	5442.5	5316.0	4870.4	4245.2	3106.0	2070.7	1445.4	1055.6	860.7	764.5	744.2
55°	5822.3	5672.9	5035.0	4199.6	2885.8	1825.1	1192.3	878.4	706.3	637.9	620.2
57.5°	6245.0	6017.2	5154.0	4108.5	2607.4	1556.8	994.8	724.0	594.9	539.2	531.6
60°	6670.3	6376.6	5224.8	3954.1	2311.2	1308.7	827.8	605.0	511.3	470.8	463.2
62.5°	7065.2	6670.3	5229.9	3728.8	2022.6	1091.0	678.4	521.5	453.1	422.7	422.7
65°	7406.9	6915.8	5143.8	3440.2	1655.5	875.9	559.4	440.5	394.9	362.0	354.4
67.5°	7574.0	7009.5	4991.9	3045.3	1326.5	693.6	470.8	382.2	339.2	288.6	283.5
70°	7338.6	6738.6	4602.1	2539.0	1025.2	551.8	392.4	326.6	283.5	240.5	235.4
72.5°	6586.7	6017.2	3971.8	1966.9	772.1	445.5	326.6	278.5	232.9	210.1	205.0
75°	5389.4	5004.6	3139.0	1354.3	539.2	349.3	273.4	235.4	197.5	187.3	184.8
77.5°	4090.8	3721.2	2293.5	848.0	369.6	273.4	232.9	200.0	172.1	179.7	174.7
80°	2731.4	2561.8	1523.9	481.0	248.1	200.0	177.2	146.8	131.6	151.9	146.8
82.5°	1240.4	1174.6	716.4	210.1	111.4	86.1	60.8	45.6	35.4	32.9	38.0
85°	207.6	182.3	50.6	22.8	12.7	7.6	5.1	5.1	2.5	2.5	2.5
87.5°	10.1	7.6	7.6	5.1	2.5	2.5	2.5	2.5	2.5	0.0	0.0
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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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-40-727-U-5WQ-2

Data in this report applies to families of products including MEM2-HTN-SA-40-727-U-5WQ-2

Report Generated By FNC07603 / LDUCLS01DT446
Version: v7.04

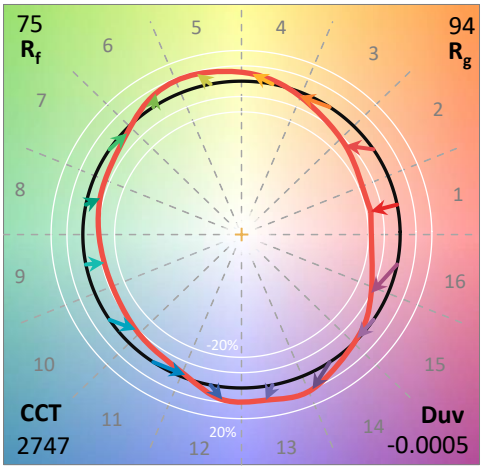
Test Information

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-40-727-U-5WQ-2**
Description:	Epic Modern Light Square 40W 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

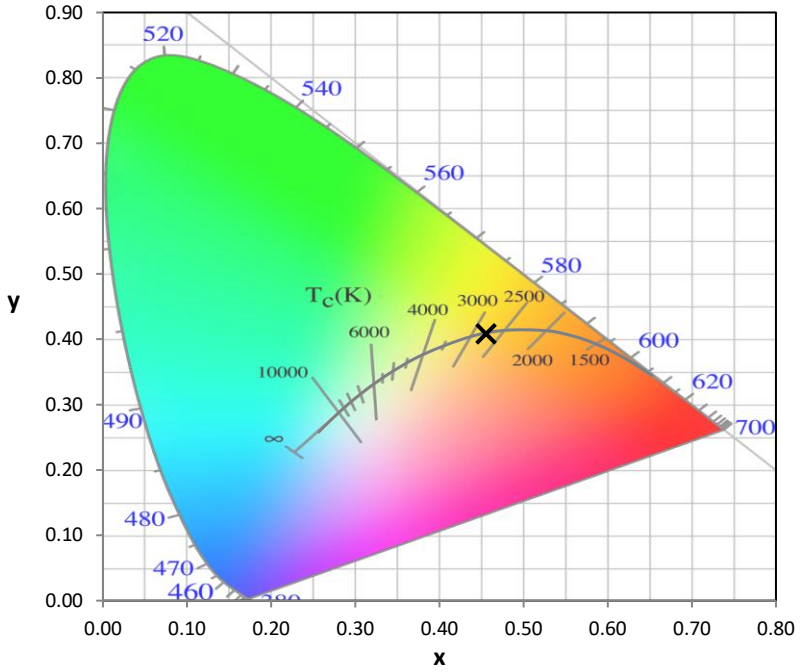
Stabilization Time:	22M
Operation Time:	1H 22M
Sphere Temperature (°C):	24.2

REPORT NUMBER: SP1-2407-157-3

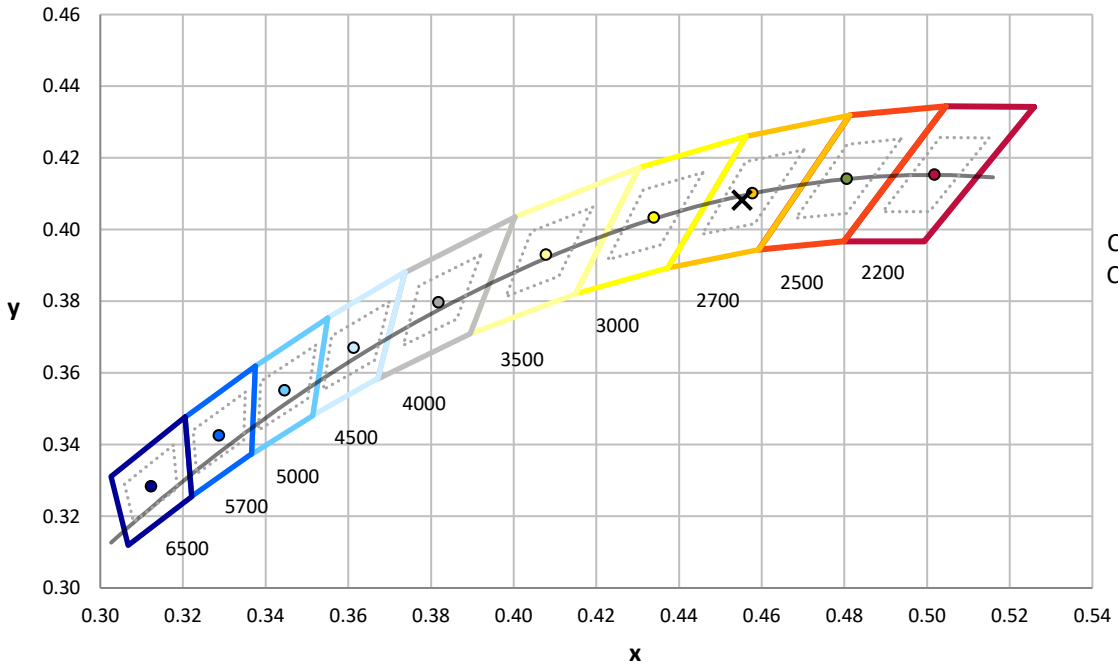
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

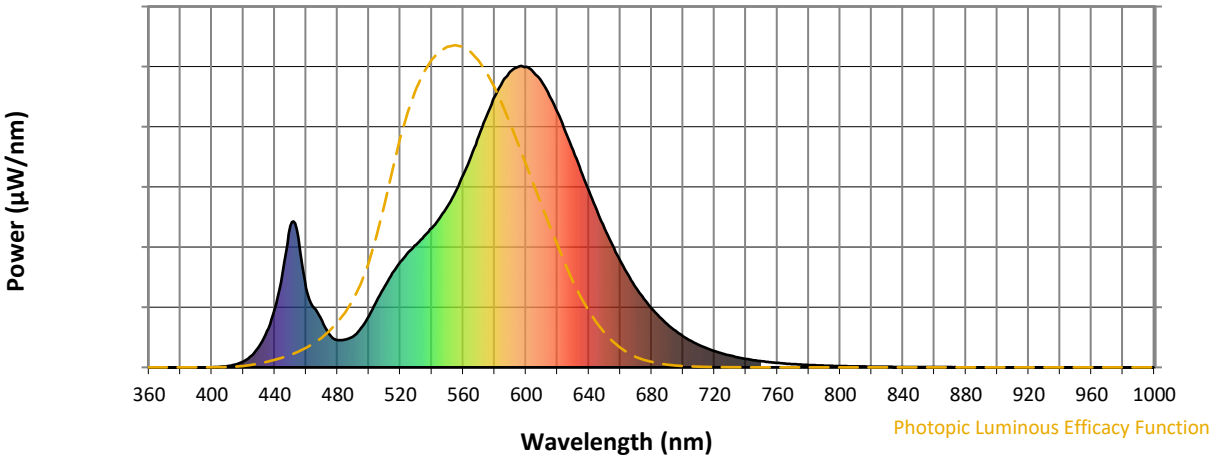


CCT = 2747K
CIE x = 0.4552
CIE y = 0.4082
Duv = -0.0005

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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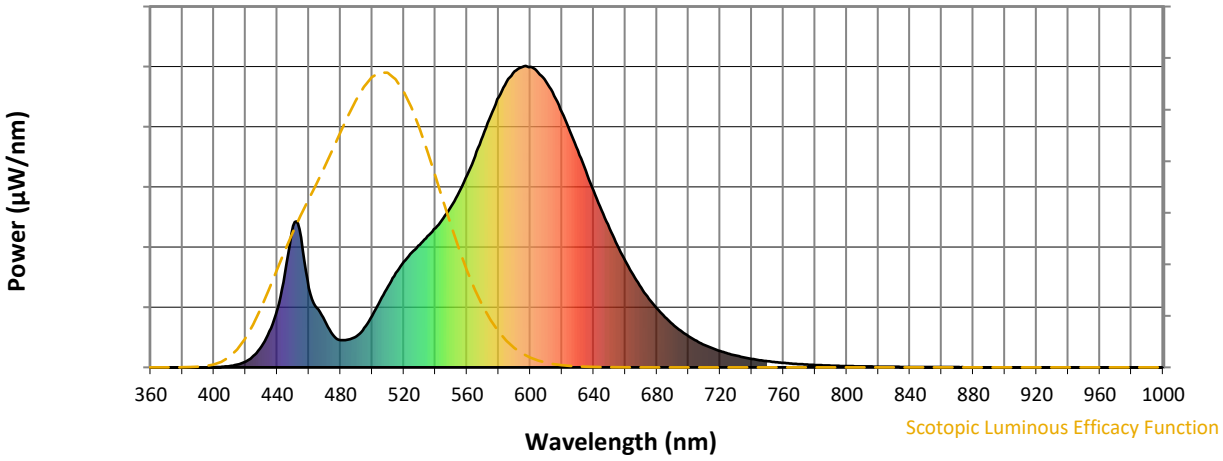
Scotopic Flux vs. Wavelength



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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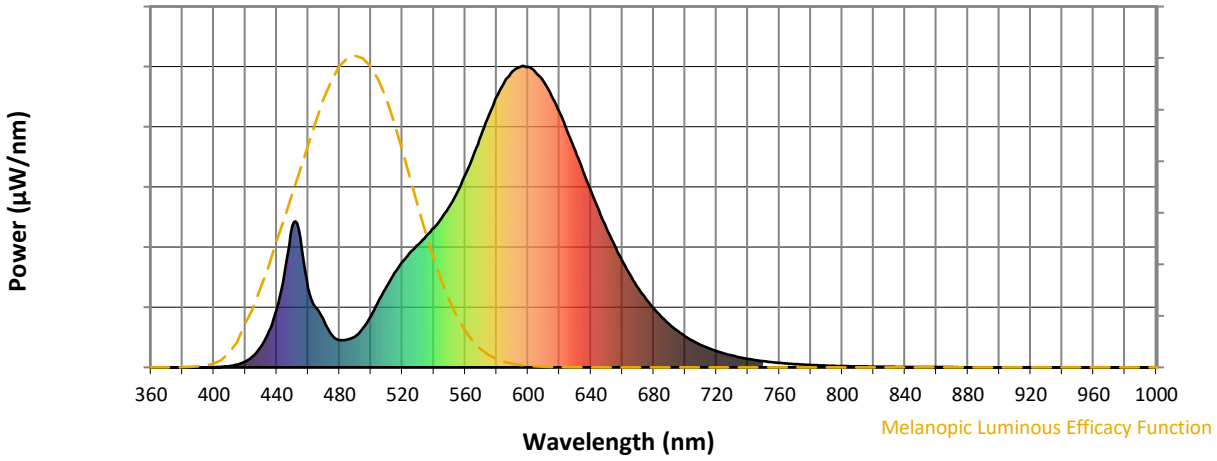
Melanopic Flux vs. Wavelength



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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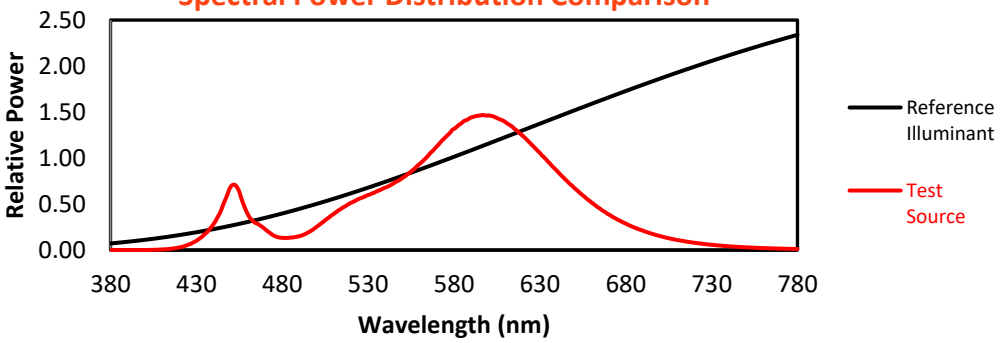
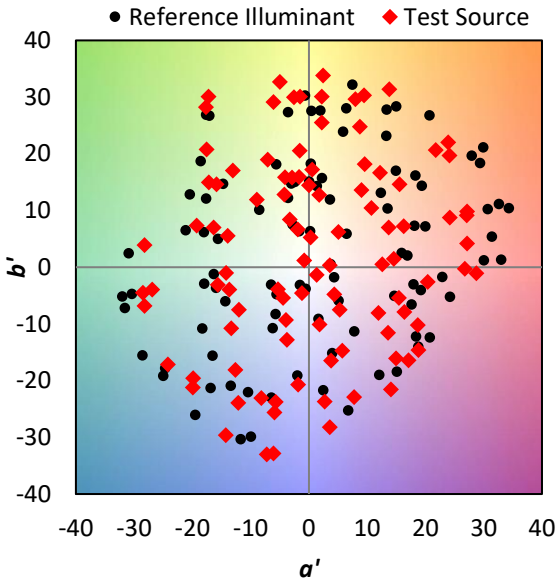
Summary

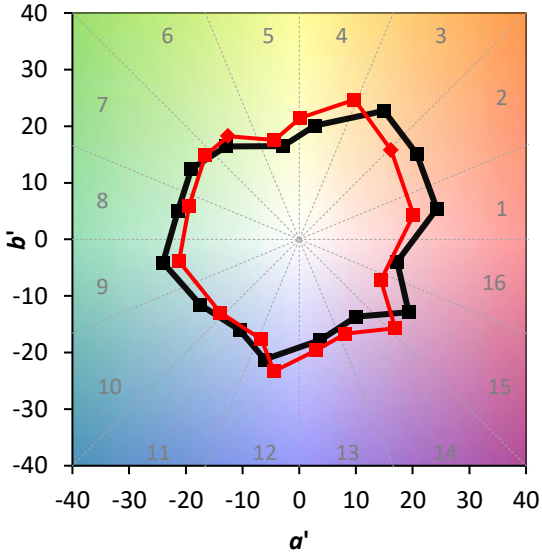
R_f = 75.5
R_g = 93.6
CIE R_a = 71.7
R_9 = -35.3

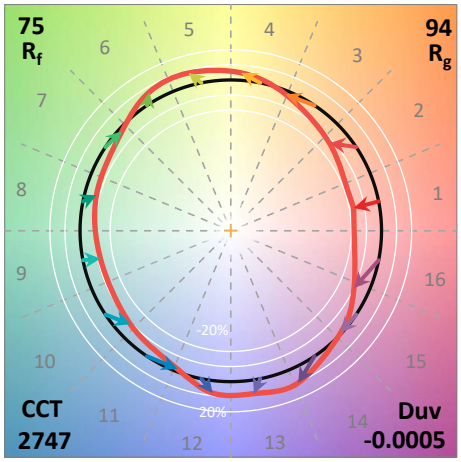
Spectral Power Distribution Comparison

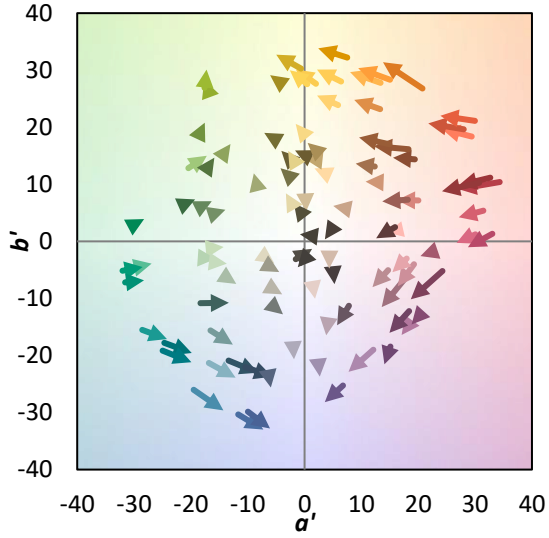


Color Vector Graphics









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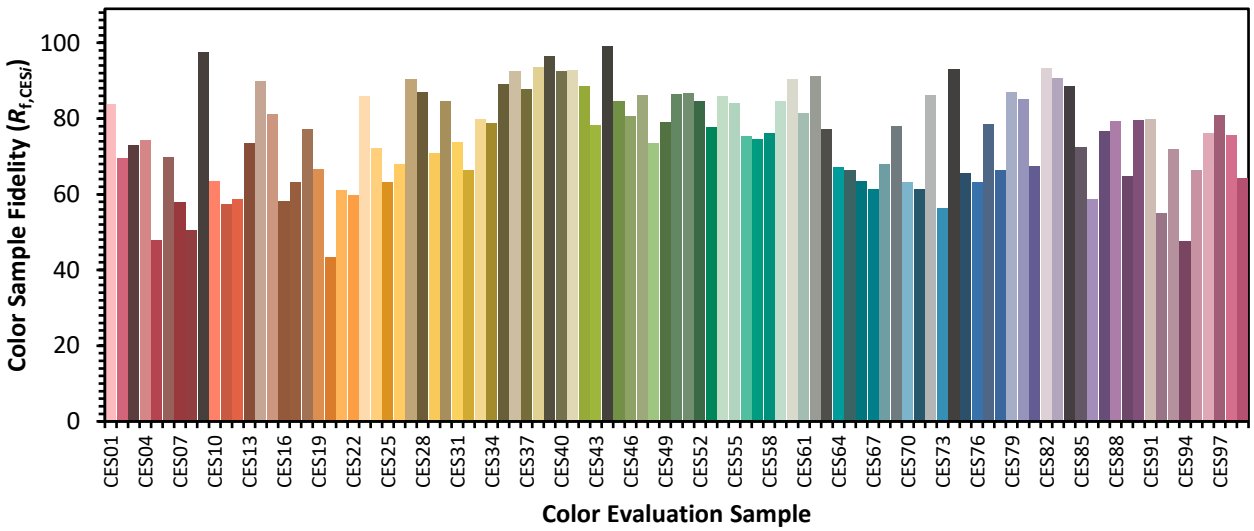
Individual Sample Fidelity Index ($R_{f,i}$)

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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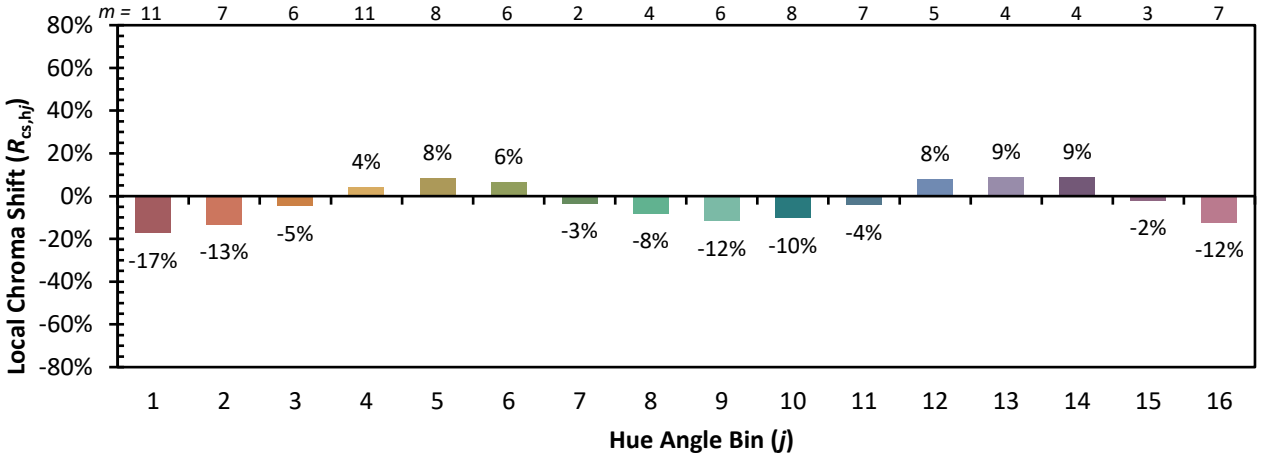
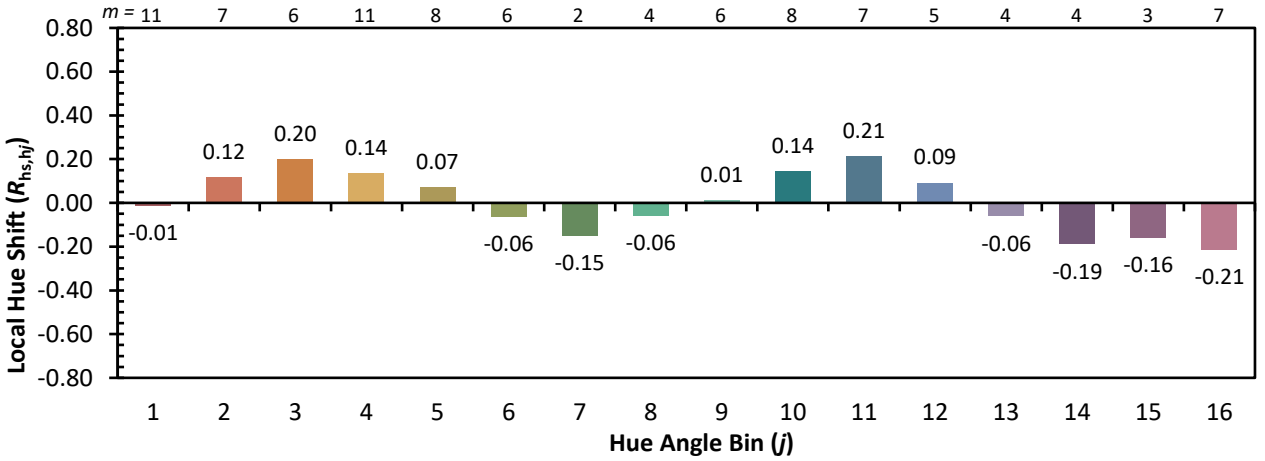
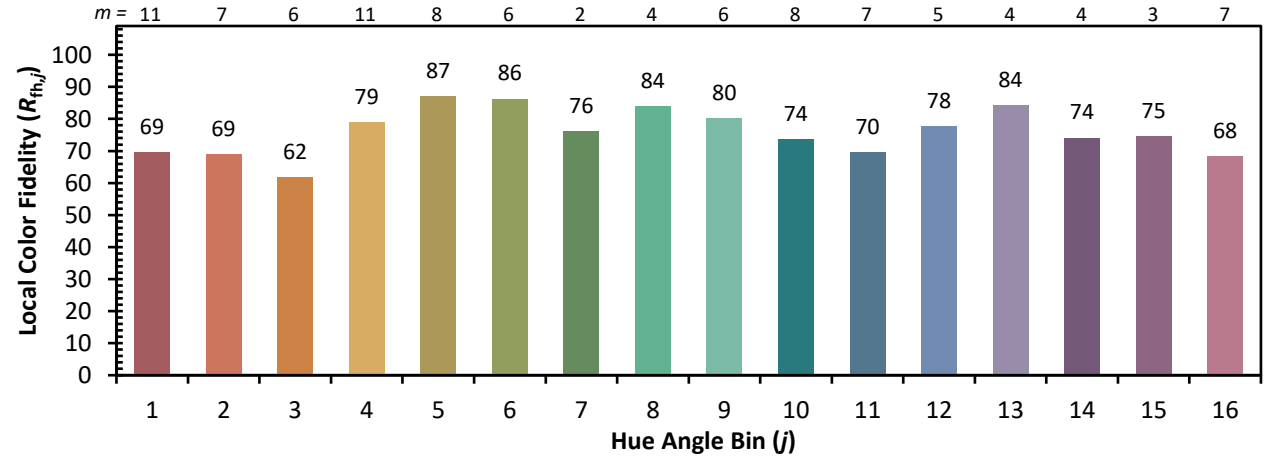
Color Rendition by Hue-Angle Bin







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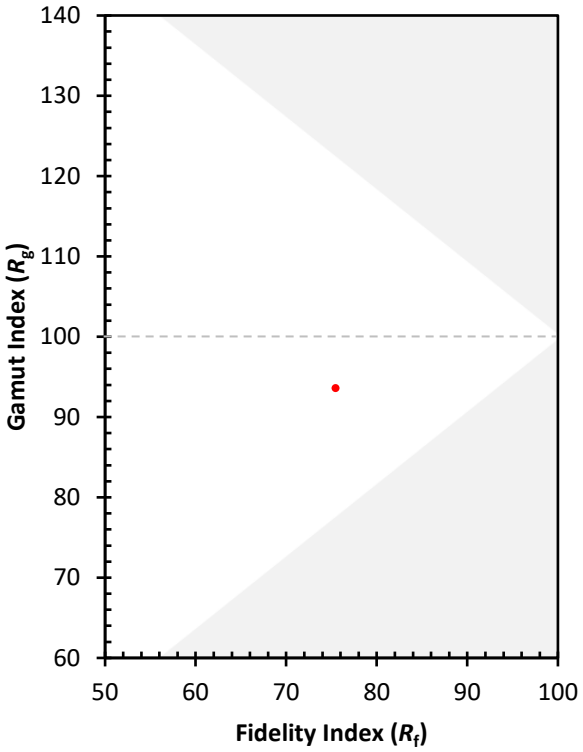
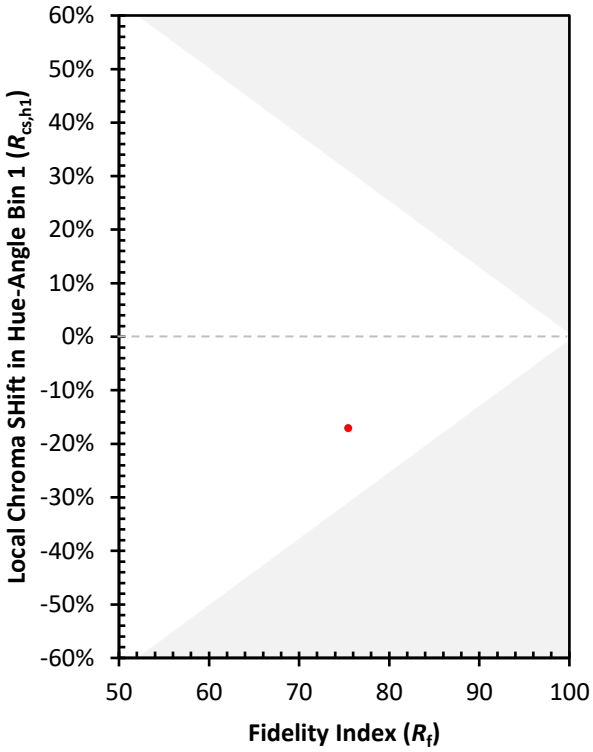
Measure Comparisons





(END OF REPORT)