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: P868478

Luminaire Tested: **EMM2-HTN-SA3A-750-U-T2U**

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:	P868478
Test Lab:	INNOVATION CENTER(G3)
Issue Date:	08/22/2024
Manufacturer:	COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line:	INVUE
Catalog Number:	EMM2-HTN-SA3A-750-U-T2U
Description:	EPIC MODERN TALL HOUSING DISCRETE LED ARRAYS 130W 70CRI 5000K FIXTURE w/ TYPE II URBAN DISTRIBUTION OPTIC
Light Source:	(30) 5000K CCT, 70 CRI LEDS
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	16790.9 lumens
Efficiency:	N/A
Efficacy:	148.6 lumens/watt
Luminous Opening:	Rectangular (W 1' x L: 0.33' x H: 0')
IES Classification:	Type III - Medium
BUG Rating:	B3 - U0 - G3

Input Watts (W):	113
Input Voltage (V):	120
Input Current (Ain):	NR
Voltage Rise (V):	NR
Power Factor:	0.99
Total Harmonic Distortion (THDi):	7.77%
Frequency (hertz):	60
Stabilization Time:	NR
Operation Time:	NR
Ambient Temperature (°C):	NR
Test Distance:	24 FT

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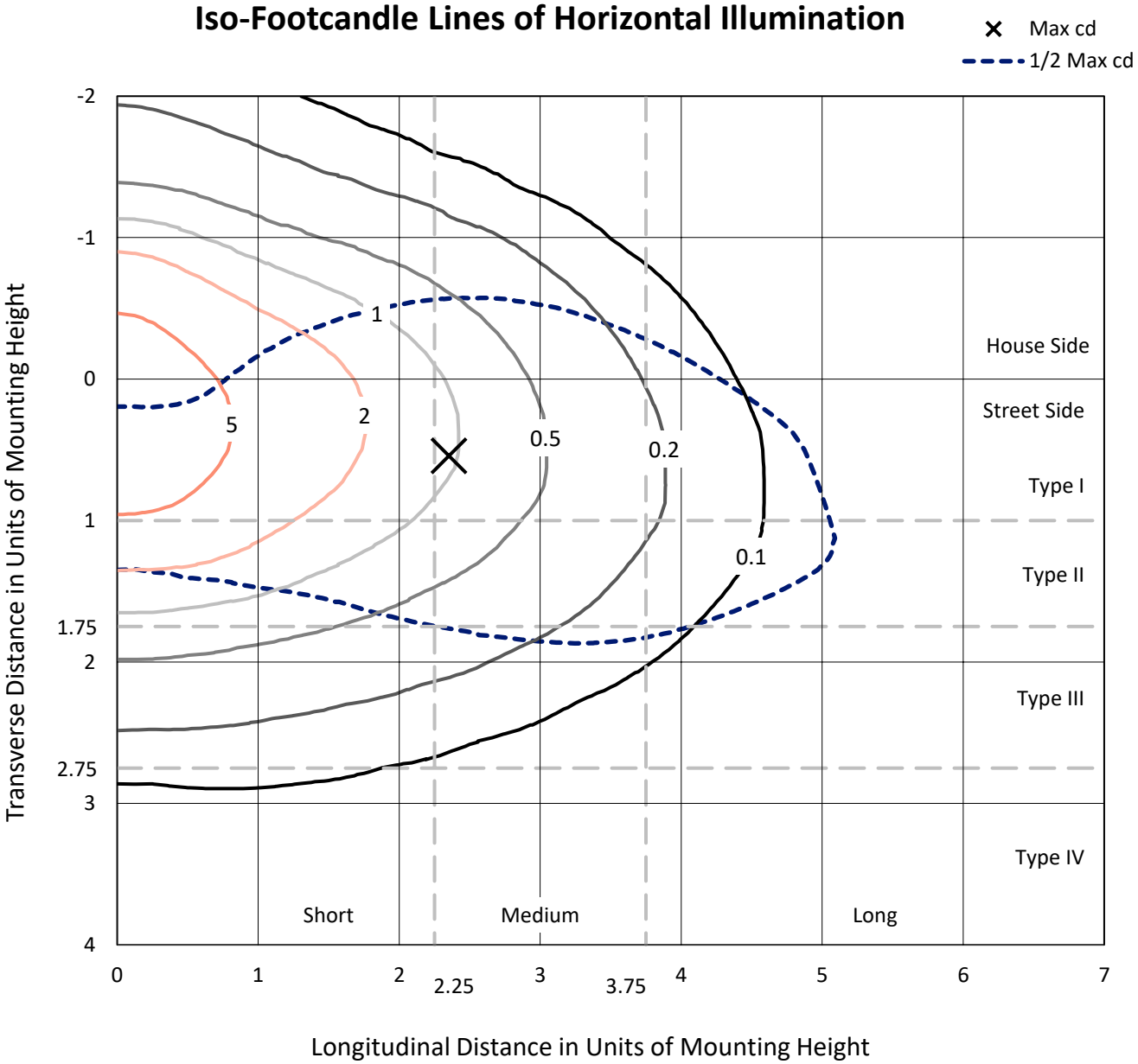
REPORT NUMBER: P868478
CATALOG NUMBER: EMM2-HTN-SA3A-750-U-T2U

Iso-Footcandle Lines of Horizontal Illumination



Based on 20 foot mounting height. Maximum calculated value = 9.1 fc
Type III - Medium - N/A

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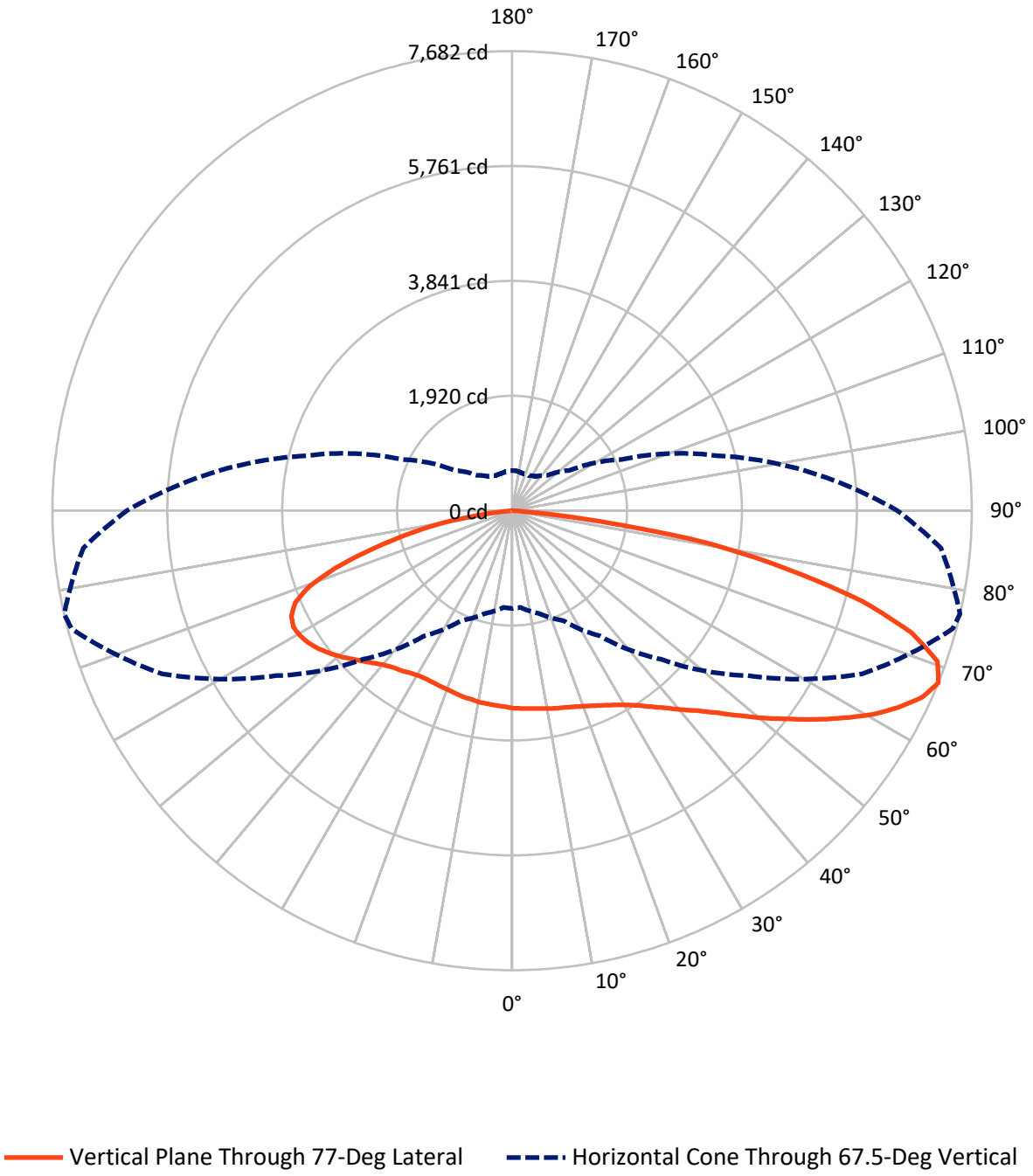
Luminous Intensity Polar Plot



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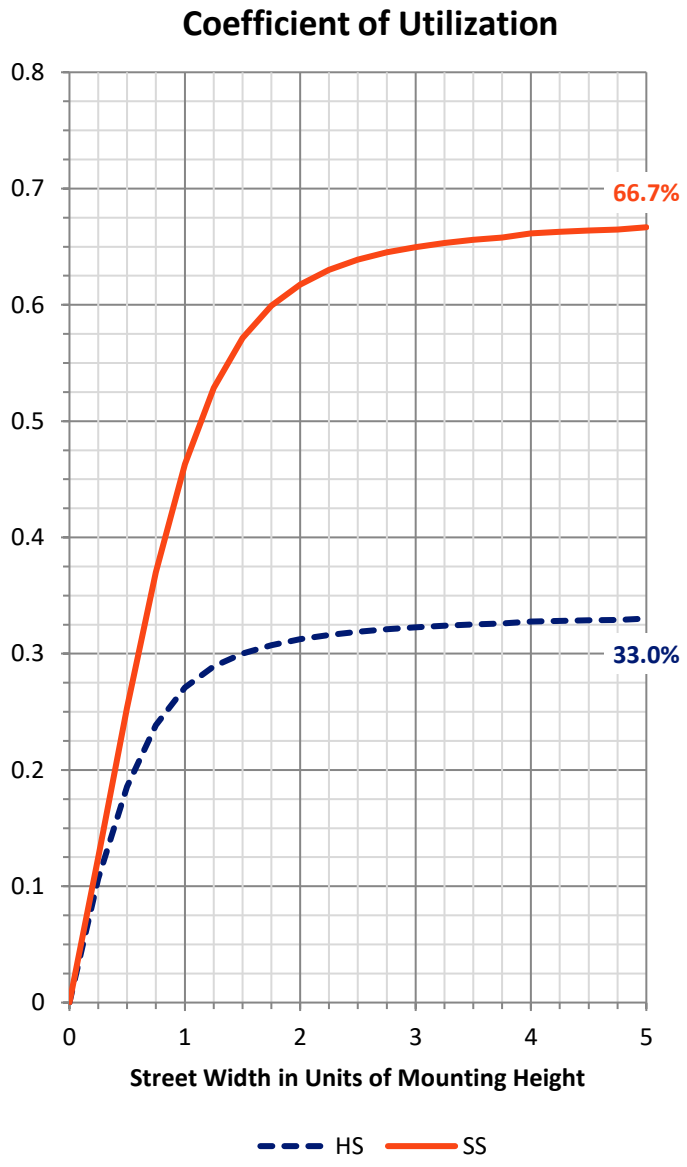
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	5583.5	0.0	5583.5
	% Fixture	33.3	0.0	33.3
Street Side	Lumens	11207.3	0.0	11207.3
	% Fixture	66.7	0.0	66.7
Total	Lumens	16790.9	0.0	16790.9
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	317.3	1.9
10°-20°	962.3	5.7
20°-30°	1622.4	9.7
30°-40°	2302.2	13.7
40°-50°	2912.8	17.3
50°-60°	3190.8	19.0
60°-70°	3084.4	18.4
70°-80°	2074.5	12.4
80°-90°	324.2	1.9
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°	16790.9	100.0
0°-180°	16790.9	100.0



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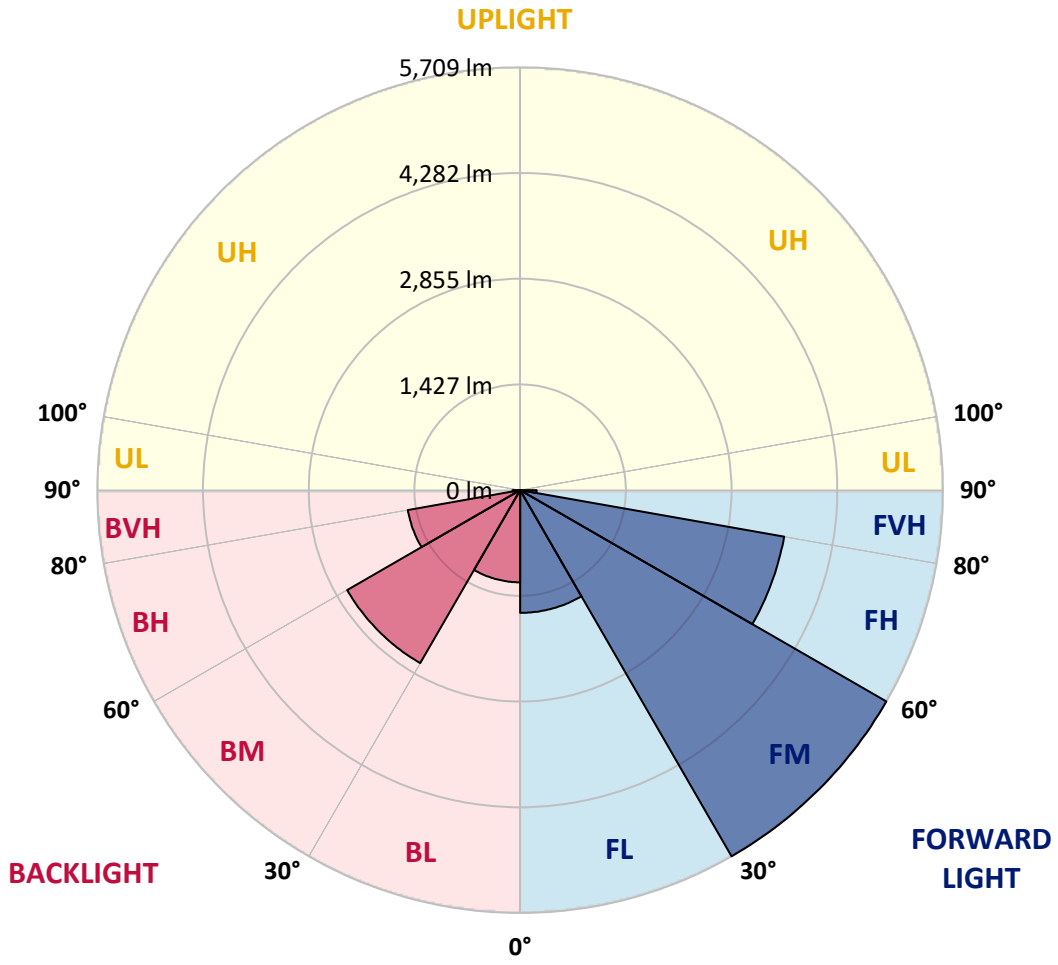
LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	1657.3	9.9			
FM	(30°-60°)	5709.1	34.0			
FH	(60°-80°)	3619.0	21.6			G2/5000
FVH	(80°-90°)	222.0	1.3			G2/225
BL	(0°-30°)	1244.7	7.4	B3/2500		
BM	(30°-60°)	2696.7	16.1	B3/5000		
BH	(60°-80°)	1540.0	9.2	B3/2500		G3/2500
BVH	(80°-90°)	102.2	0.6			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 III Medium



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REPORT NUMBER: P868478
CATALOG NUMBER: EMM2-HTN-SA3A-750-U-T2U

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	77°	85°
0°	3301.3	3301.3	3301.3	3301.3	3301.3	3301.3	3301.3	3301.3	3301.3	*3301.3*	3301.3
2.5°	3374.3	3371.0	3354.4	3361.0	3341.1	3354.4	3334.5	3317.9	3314.5	*3311.2*	3314.5
5°	3480.6	3464.0	3447.4	3437.4	3420.8	3414.2	3381.0	3347.8	3327.8	*3324.5*	3317.9
7.5°	3603.5	3596.8	3573.6	3560.3	3513.8	3490.6	3444.1	3384.3	3354.4	*3341.1*	3324.5
10°	3729.7	3746.3	3716.4	3689.8	3636.7	3586.9	3507.2	3430.8	3371.0	*3364.4*	3327.8
12.5°	3885.8	3882.5	3862.5	3816.0	3752.9	3683.2	3586.9	3480.6	3400.9	*3387.6*	3334.5
15°	4025.3	4022.0	3995.4	3952.2	3869.2	3782.8	3653.3	3530.4	3430.8	*3410.9*	3347.8
17.5°	4154.8	4148.2	4131.6	4085.1	3982.1	3875.8	3749.6	3586.9	3467.3	*3444.1*	3357.7
20°	4267.7	4274.4	4254.4	4207.9	4111.6	3998.7	3839.3	3659.9	3513.8	*3487.2*	3387.6
22.5°	4390.6	4393.9	4384.0	4367.4	4244.5	4124.9	3952.2	3743.0	3567.0	*3540.4*	3420.8
25°	4520.1	4523.5	4530.1	4520.1	4380.6	4251.1	4068.5	3845.9	3640.0	*3603.5*	3467.3
27.5°	4669.6	4672.9	4686.2	4666.3	4516.8	4380.6	4198.0	3955.5	3716.4	*3676.6*	3507.2
30°	4839.0	4852.3	4842.3	4835.6	4662.9	4530.1	4327.5	4068.5	3816.0	*3766.2*	3576.9
32.5°	5041.6	5038.2	5018.3	4998.4	4822.4	4682.9	4473.6	4214.6	3938.9	*3882.5*	3689.8
35°	5187.7	5187.7	5157.8	5147.8	4985.1	4839.0	4633.1	4377.3	4078.4	*4025.3*	3809.4
37.5°	5277.4	5290.7	5267.4	5274.0	5117.9	4981.8	4792.5	4543.4	4231.2	*4184.7*	3955.5
40°	5310.6	5343.8	5363.7	5390.3	5234.2	5117.9	4961.9	4722.7	4427.1	*4374.0*	4131.6
42.5°	5317.2	5367.0	5436.8	5493.2	5317.2	5220.9	5124.6	4905.4	4619.8	*4573.3*	4324.2
45°	5284.0	5260.8	5430.1	5436.8	5363.7	5303.9	5267.4	5124.6	4898.8	*4822.4*	4563.3
47.5°	5031.6	5005.0	5051.5	5264.1	5307.3	5340.5	5413.5	5380.3	5177.7	*5117.9*	4839.0
50°	4623.1	4609.8	4795.8	5025.0	5167.8	5337.1	5533.1	5626.1	5486.6	*5450.1*	5187.7
52.5°	3948.9	3912.4	4291.0	4736.0	4985.1	5303.9	5616.1	5878.5	5835.3	*5782.2*	5486.6
55°	3520.5	3520.5	3776.2	4330.8	4752.6	5184.4	5669.3	6144.2	6220.6	*6160.8*	5828.7
57.5°	3062.1	3098.7	3364.4	3746.3	4417.2	4965.2	5662.6	6366.7	6592.6	*6536.1*	6190.7
60°	2670.2	2700.1	2852.9	3238.2	4022.0	4676.2	5589.6	6549.4	6938.0	*6918.0*	6509.5
62.5°	2271.7	2308.2	2431.1	2793.1	3500.5	4344.1	5436.8	6649.0	7263.4	*7243.5*	6831.7
65°	1952.9	1956.2	2079.1	2381.3	2979.1	3942.2	5167.8	6629.1	7515.8	*7529.1*	7104.0
67.5°	*1634.0*	*1624.1*	*1783.5*	*2029.2*	*2554.0*	*3510.5*	*4809.1*	*6453.1*	*7622.1*	*7681.9*	*7193.7*
70°	1202.3	1215.6	1438.1	1710.4	2158.8	3012.3	4307.6	6111.0	7449.4	*7542.4*	6987.8
72.5°	903.4	929.9	1145.8	1428.1	1803.4	2514.1	3759.6	5516.5	6967.9	*6981.1*	6360.1
75°	734.0	740.6	933.3	1185.7	1477.9	2016.0	3019.0	4606.5	5891.8	*6044.6*	5403.6
77.5°	624.4	617.7	710.7	956.5	1192.3	1610.8	2275.0	3503.9	4626.4	*4696.2*	4231.2
80°	531.4	528.1	561.3	773.8	933.3	1149.1	1557.6	2441.1	3301.3	*3377.6*	3005.7
82.5°	279.0	298.9	292.3	478.3	528.1	604.5	747.3	1109.3	1441.4	*1461.3*	1381.6
85°	13.3	13.3	13.3	19.9	33.2	53.1	103.0	103.0	112.9	*215.9*	245.8
87.5°	3.3	3.3	6.6	6.6	6.6	10.0	10.0	13.3	13.3	*13.3*	13.3
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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CATALOG NUMBER: EMM2-HTN-SA3A-750-U-T2U

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	3301.3	3301.3	3301.3	3301.3	3301.3	3301.3	3301.3	3301.3	3301.3	3301.3	3301.3
2.5°	3307.9	3294.6	3274.7	3278.0	3274.7	3274.7	3258.1	3244.8	3241.5	3248.1	3261.4
5°	3311.2	3291.3	3261.4	3251.4	3241.5	3234.8	3208.3	3188.3	3178.4	3185.0	3188.3
7.5°	3311.2	3281.3	3248.1	3228.2	3201.6	3181.7	3151.8	3125.2	3112.0	3115.3	3121.9
10°	3304.6	3271.4	3244.8	3204.9	3161.8	3138.5	3092.0	3058.8	3042.2	3045.5	3028.9
12.5°	3304.6	3268.0	3214.9	3178.4	3118.6	3068.8	3032.2	2995.7	2982.4	2969.1	2962.5
15°	3307.9	3261.4	3208.3	3131.9	3062.1	3009.0	2962.5	2939.3	2919.3	2912.7	2916.0
17.5°	3307.9	3261.4	3181.7	3092.0	3012.3	2945.9	2906.0	2879.5	2872.8	2866.2	2866.2
20°	3324.5	3264.7	3158.4	3052.2	2952.5	2882.8	2846.3	2829.7	2829.7	2819.7	2819.7
22.5°	3351.1	3271.4	3145.2	3019.0	2902.7	2826.3	2786.5	2766.5	2776.5	2769.9	2766.5
25°	3381.0	3294.6	3128.6	2972.5	2836.3	2756.6	2716.7	2703.4	2700.1	2683.5	2706.8
27.5°	3404.2	3311.2	3118.6	2926.0	2776.5	2683.5	2633.7	2610.5	2593.8	2600.5	2593.8
30°	3467.3	3357.7	3121.9	2886.1	2710.1	2597.2	2537.4	2510.8	2504.2	2504.2	2504.2
32.5°	3553.7	3417.5	3145.2	2869.5	2647.0	2514.1	2441.1	2414.5	2407.9	2394.6	2401.2
35°	3663.3	3507.2	3181.7	2842.9	2597.2	2417.8	2338.1	2301.6	2291.6	2278.3	2278.3
37.5°	3786.2	3596.8	3208.3	2829.7	2530.7	2318.2	2228.5	2182.0	2175.4	2162.1	2168.7
40°	3942.2	3719.7	3251.4	2803.1	2454.4	2228.5	2109.0	2032.6	2049.2	2055.8	2069.1
42.5°	4118.3	3875.8	3317.9	2776.5	2394.6	2135.5	1959.5	1883.1	1903.0	1896.4	1909.7
45°	4357.4	4058.5	3400.9	2766.5	2321.5	2022.6	1806.7	1720.4	1713.7	1703.8	1710.4
47.5°	4606.5	4277.7	3480.6	2746.6	2241.8	1883.1	1634.0	1524.4	1497.9	1484.6	1471.3
50°	4865.5	4496.9	3573.6	2733.3	2135.5	1727.0	1461.3	1335.1	1285.3	1268.7	1252.1
52.5°	5157.8	4732.7	3653.3	2700.1	2019.3	1564.3	1305.2	1162.4	1106.0	1072.7	1076.1
55°	5466.7	4948.6	3726.4	2660.3	1886.4	1411.5	1149.1	1029.6	973.1	963.1	963.1
57.5°	5752.3	5171.1	3779.5	2590.5	1753.6	1262.1	1019.6	916.6	890.1	903.4	903.4
60°	6044.6	5350.4	3806.1	2514.1	1617.4	1135.8	929.9	846.9	833.6	860.2	863.5
62.5°	6280.4	5493.2	3799.4	2407.9	1468.0	1026.2	843.6	777.2	783.8	830.3	840.3
65°	6449.7	5563.0	3716.4	2248.4	1325.2	929.9	767.2	704.1	704.1	737.3	747.3
67.5°	*6436.5*	*5473.3*	*3550.3*	*2025.9*	*1172.4*	*833.6*	*697.4*	*647.6*	*647.6*	*670.9*	*667.6*
70°	6164.1	5164.4	3234.8	1756.9	1022.9	750.6	637.7	601.1	597.8	607.8	604.5
72.5°	5509.8	4536.7	2743.3	1451.4	883.4	667.6	577.9	544.7	538.0	524.7	514.8
75°	4546.7	3726.4	2142.2	1155.8	747.3	587.9	521.4	491.5	465.0	481.6	471.6
77.5°	3527.1	2859.5	1594.2	896.7	607.8	511.5	465.0	431.8	425.1	484.9	465.0
80°	2573.9	1976.1	1125.9	641.0	471.6	415.1	388.6	362.0	458.3	614.4	611.1
82.5°	1142.5	953.2	514.8	305.5	219.2	182.7	152.8	172.7	288.9	282.3	292.3
85°	103.0	106.3	56.5	36.5	23.2	19.9	13.3	13.3	10.0	10.0	10.0
87.5°	13.3	13.3	10.0	10.0	6.6	6.6	6.6	6.6	3.3	3.3	3.3
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: SP1-2407-157-6

Test Date: 08/07/2024

Luminaire Tested: MEM2-HTN-SA-40-750-U-5WQ-2

Data in this report applies to families of products including MEM2-HTN-SA-40-750-U-5WQ-2

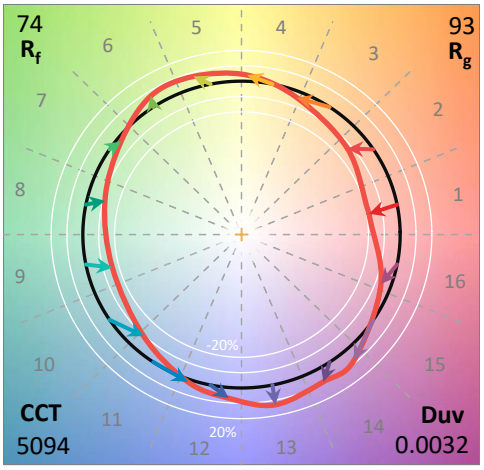
Report Generated By FNC07603 / LDUCLS01DT446
Version: v7.04

Test Information

Test Method:	LM-79-2019
Report Number:	SP1-2407-157-6
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-40-750-U-5WQ-2**
Description:	Epic Modern Light Square 40W 5WQ Optic and Flare Trim

Spectral Parameters

CCT (K):	5094	CRI (Ra):	72.0		
CIE u':	0.2082	R1:	68.6	R9:	-39.6
CIE v':	0.4867	R2:	78.1	R10:	47.6
Duv:	0.0032	R3:	84.6	R11:	68.2
CIE x:	0.3430	R4:	71.6	R12:	41.4
CIE y:	0.3564	R5:	69.6	R13:	70.4
CIE z:	0.3006	R6:	69.4	R14:	91.4
Peak Wavelength (nm):	451	R7:	80.9	R15:	61.4
Dominant Wavelength (nm):	568	R8:	53.1		
Purity:	9.86439				
Rf:	73.7				
Rg:	93				



Test Conditions

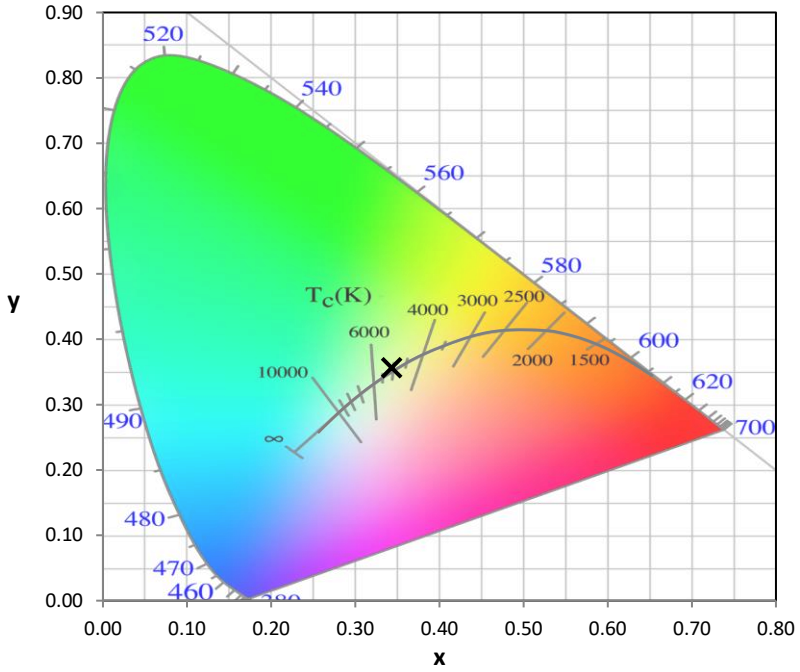
Stabilization Time:	20M
Operation Time:	1H 20M
Sphere Temperature (°C):	24.2

REPORT NUMBER: SP1-2407-157-6

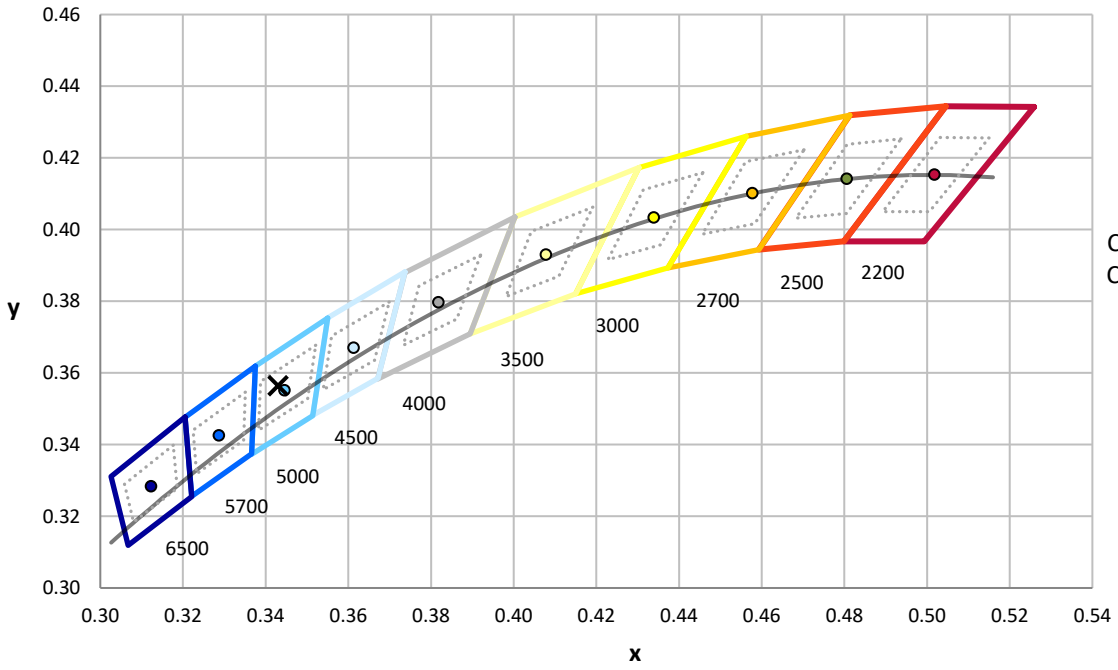
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

REPORT NUMBER: SP1-2407-157-6

CIE 1931 Chromaticity Diagram



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

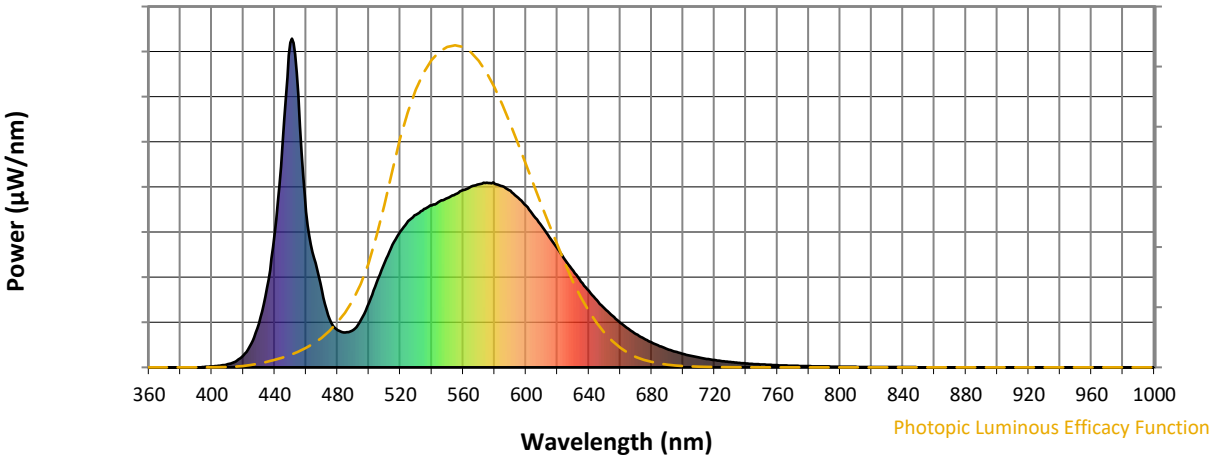


CCT = 5094K
CIE x = 0.3430
CIE y = 0.3564
Duv = 0.0032

Point lies inside the ANSI 5000K 4-step quadrangle

REPORT NUMBER: SP1-2407-157-6

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	361	NR	750	9	NR	880	0	NR
365	0	NR	495	145	NR	625	326	NR	755	8	NR	885	0	NR
370	0	NR	500	197	NR	630	294	NR	760	7	NR	890	0	NR
375	0	NR	505	259	NR	635	261	NR	765	6	NR	895	0	NR
380	0	NR	510	319	NR	640	232	NR	770	5	NR	900	0	NR
385	0	NR	515	373	NR	645	204	NR	775	4	NR	905	0	NR
390	0	NR	520	414	NR	650	179	NR	780	4	NR	910	0	NR
395	1	NR	525	445	NR	655	157	NR	785	3	NR	915	0	NR
400	3	NR	530	465	NR	660	136	NR	790	3	NR	920	0	NR
405	5	NR	535	482	NR	665	118	NR	795	2	NR	925	0	NR
410	9	NR	540	493	NR	670	102	NR	800	2	NR	930	0	NR
415	18	NR	545	505	NR	675	87	NR	805	2	NR	935	0	NR
420	36	NR	550	515	NR	680	75	NR	810	2	NR	940	0	NR
425	72	NR	555	527	NR	685	65	NR	815	1	NR	945	0	NR
430	134	NR	560	540	NR	690	56	NR	820	1	NR	950	0	NR
435	242	NR	565	550	NR	695	48	NR	825	1	NR	955	0	NR
440	407	NR	570	557	NR	700	41	NR	830	1	NR	960	0	NR
445	684	NR	575	561	NR	705	35	NR	835	1	NR	965	0	NR
450	988	NR	580	559	NR	710	30	NR	840	1	NR	970	0	NR
455	828	NR	585	551	NR	715	26	NR	845	1	NR	975	0	NR
460	473	NR	590	537	NR	720	22	NR	850	1	NR	980	0	NR
465	333	NR	595	516	NR	725	19	NR	855	0	NR	985	0	NR
470	232	NR	600	491	NR	730	16	NR	860	0	NR	990	0	NR
475	146	NR	605	461	NR	735	14	NR	865	0	NR	995	0	NR
480	113	NR	610	429	NR	740	12	NR	870	0	NR	1000	0	NR
485	106	NR	615	395	NR	745	10	NR	875	0	NR			

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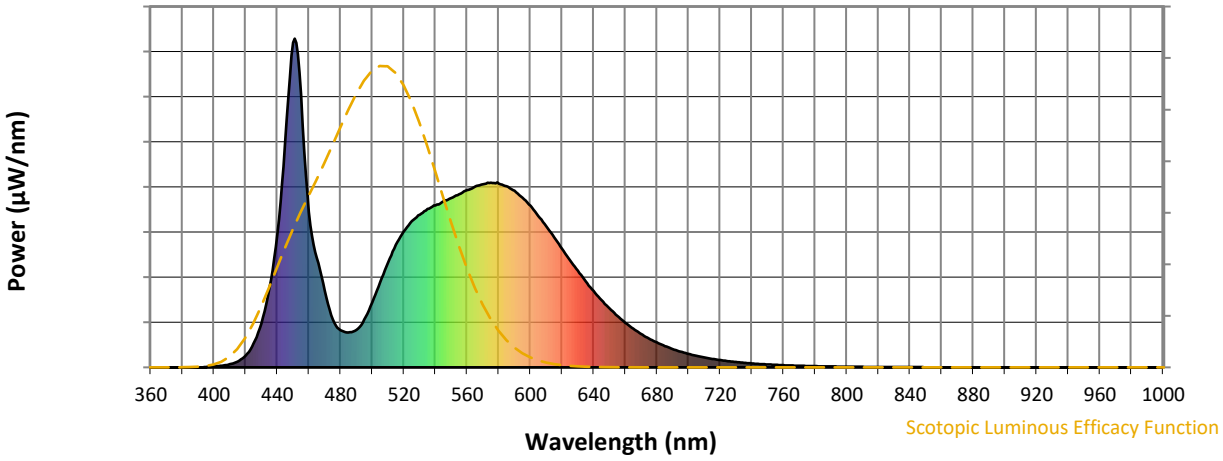
Scotopic Flux vs. Wavelength



Scotopic Lumens: NR **S/P: 1.81**

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	361	NR	750	9	NR	880	0	NR
365	0	NR	495	145	NR	625	326	NR	755	8	NR	885	0	NR
370	0	NR	500	197	NR	630	294	NR	760	7	NR	890	0	NR
375	0	NR	505	259	NR	635	261	NR	765	6	NR	895	0	NR
380	0	NR	510	319	NR	640	232	NR	770	5	NR	900	0	NR
385	0	NR	515	373	NR	645	204	NR	775	4	NR	905	0	NR
390	0	NR	520	414	NR	650	179	NR	780	4	NR	910	0	NR
395	1	NR	525	445	NR	655	157	NR	785	3	NR	915	0	NR
400	3	NR	530	465	NR	660	136	NR	790	3	NR	920	0	NR
405	5	NR	535	482	NR	665	118	NR	795	2	NR	925	0	NR
410	9	NR	540	493	NR	670	102	NR	800	2	NR	930	0	NR
415	18	NR	545	505	NR	675	87	NR	805	2	NR	935	0	NR
420	36	NR	550	515	NR	680	75	NR	810	2	NR	940	0	NR
425	72	NR	555	527	NR	685	65	NR	815	1	NR	945	0	NR
430	134	NR	560	540	NR	690	56	NR	820	1	NR	950	0	NR
435	242	NR	565	550	NR	695	48	NR	825	1	NR	955	0	NR
440	407	NR	570	557	NR	700	41	NR	830	1	NR	960	0	NR
445	684	NR	575	561	NR	705	35	NR	835	1	NR	965	0	NR
450	988	NR	580	559	NR	710	30	NR	840	1	NR	970	0	NR
455	828	NR	585	551	NR	715	26	NR	845	1	NR	975	0	NR
460	473	NR	590	537	NR	720	22	NR	850	1	NR	980	0	NR
465	333	NR	595	516	NR	725	19	NR	855	0	NR	985	0	NR
470	232	NR	600	491	NR	730	16	NR	860	0	NR	990	0	NR
475	146	NR	605	461	NR	735	14	NR	865	0	NR	995	0	NR
480	113	NR	610	429	NR	740	12	NR	870	0	NR	1000	0	NR
485	106	NR	615	395	NR	745	10	NR	875	0	NR			

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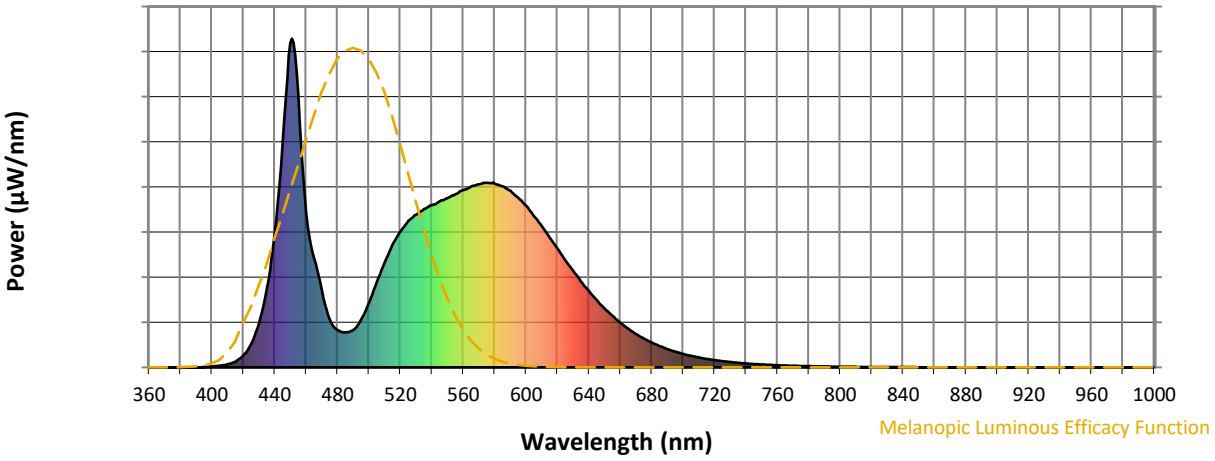
Melanopic Flux vs. Wavelength



Melanopic Lumens: NR **M/P: 3.73**

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	361	NR	750	9	NR	880	0	NR
365	0	NR	495	145	NR	625	326	NR	755	8	NR	885	0	NR
370	0	NR	500	197	NR	630	294	NR	760	7	NR	890	0	NR
375	0	NR	505	259	NR	635	261	NR	765	6	NR	895	0	NR
380	0	NR	510	319	NR	640	232	NR	770	5	NR	900	0	NR
385	0	NR	515	373	NR	645	204	NR	775	4	NR	905	0	NR
390	0	NR	520	414	NR	650	179	NR	780	4	NR	910	0	NR
395	1	NR	525	445	NR	655	157	NR	785	3	NR	915	0	NR
400	3	NR	530	465	NR	660	136	NR	790	3	NR	920	0	NR
405	5	NR	535	482	NR	665	118	NR	795	2	NR	925	0	NR
410	9	NR	540	493	NR	670	102	NR	800	2	NR	930	0	NR
415	18	NR	545	505	NR	675	87	NR	805	2	NR	935	0	NR
420	36	NR	550	515	NR	680	75	NR	810	2	NR	940	0	NR
425	72	NR	555	527	NR	685	65	NR	815	1	NR	945	0	NR
430	134	NR	560	540	NR	690	56	NR	820	1	NR	950	0	NR
435	242	NR	565	550	NR	695	48	NR	825	1	NR	955	0	NR
440	407	NR	570	557	NR	700	41	NR	830	1	NR	960	0	NR
445	684	NR	575	561	NR	705	35	NR	835	1	NR	965	0	NR
450	988	NR	580	559	NR	710	30	NR	840	1	NR	970	0	NR
455	828	NR	585	551	NR	715	26	NR	845	1	NR	975	0	NR
460	473	NR	590	537	NR	720	22	NR	850	1	NR	980	0	NR
465	333	NR	595	516	NR	725	19	NR	855	0	NR	985	0	NR
470	232	NR	600	491	NR	730	16	NR	860	0	NR	990	0	NR
475	146	NR	605	461	NR	735	14	NR	865	0	NR	995	0	NR
480	113	NR	610	429	NR	740	12	NR	870	0	NR	1000	0	NR
485	106	NR	615	395	NR	745	10	NR	875	0	NR			

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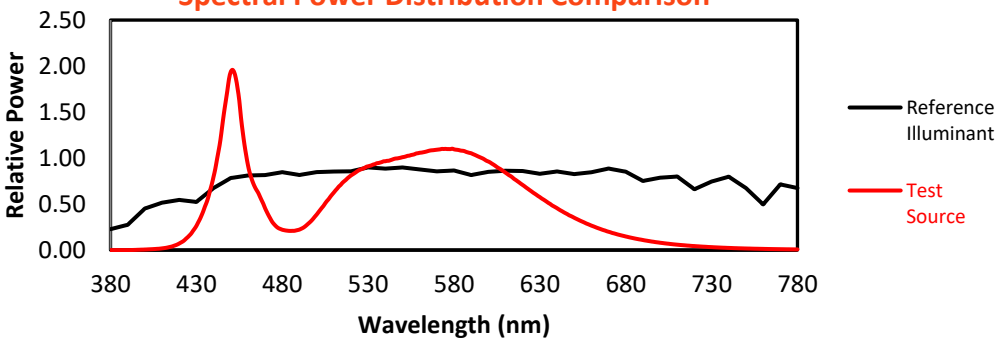
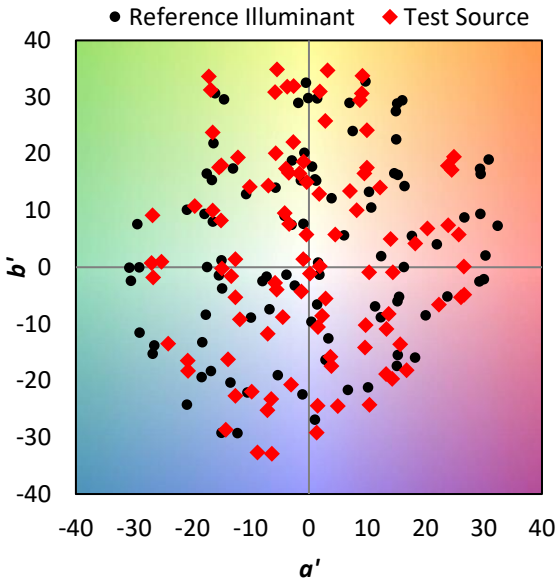
Summary

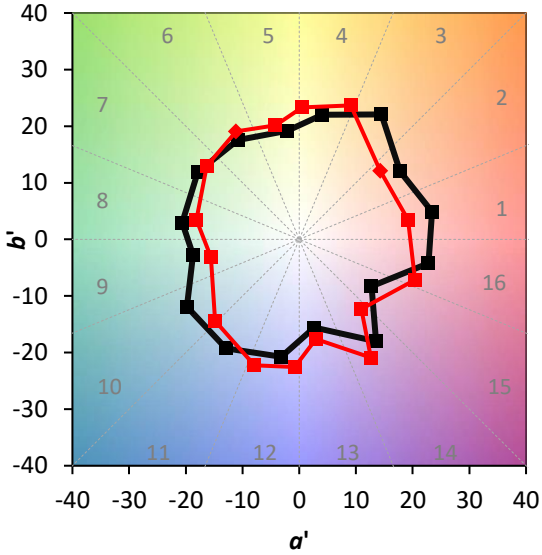
R_f = 73.7
R_g = 93
CIE R_a = 72.0
R_9 = -39.6

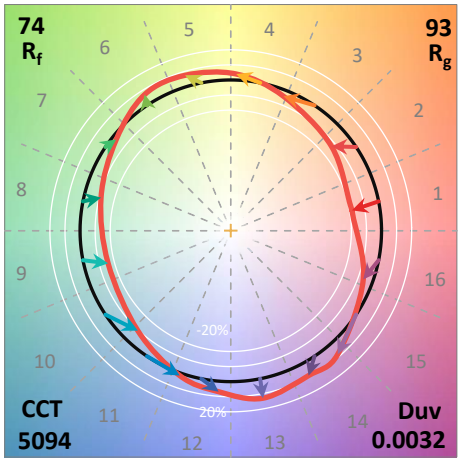
Spectral Power Distribution Comparison

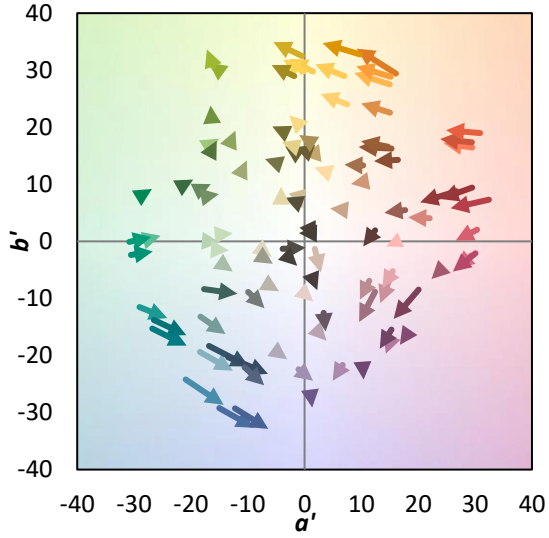


Color Vector Graphics









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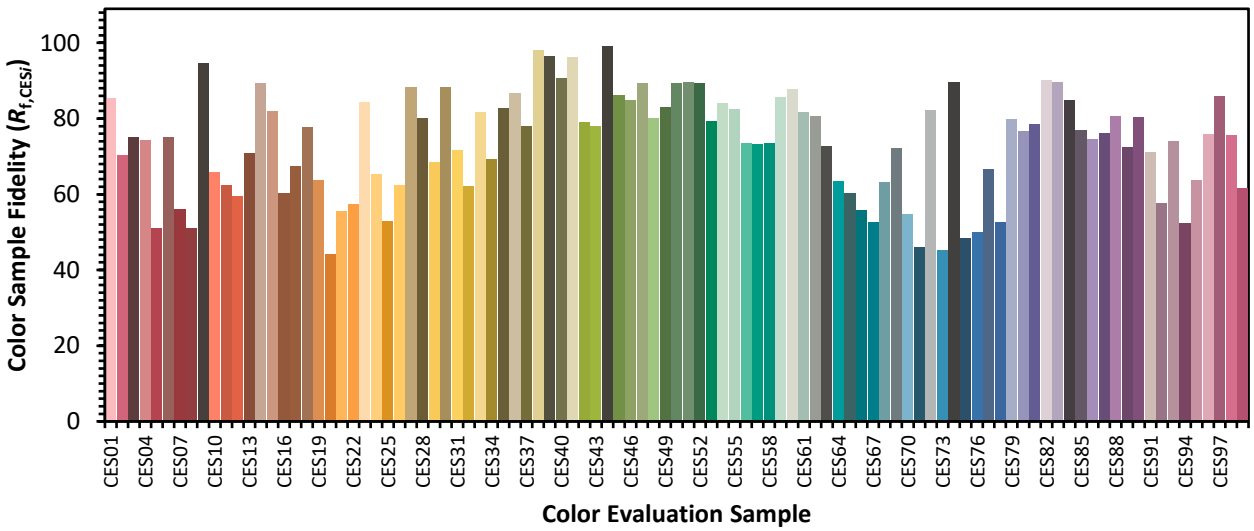
Individual Sample Fidelity Index ($R_{f,i}$)

CES01 = 85	CES26 = 62	CES51 = 90	CES76 = 50
CES02 = 59	CES27 = 88	CES52 = 89	CES77 = 67
CES03 = 30	CES28 = 80	CES53 = 79	CES78 = 53
CES04 = 69	CES29 = 69	CES54 = 84	CES79 = 80
CES05 = 46	CES30 = 88	CES55 = 83	CES80 = 77
CES06 = 50	CES31 = 72	CES56 = 74	CES81 = 78
CES07 = 38	CES32 = 62	CES57 = 73	CES82 = 90
CES08 = 38	CES33 = 82	CES58 = 73	CES83 = 90
CES09 = 29	CES34 = 69	CES59 = 86	CES84 = 85
CES10 = 72	CES35 = 83	CES60 = 88	CES85 = 77
CES11 = 56	CES36 = 87	CES61 = 82	CES86 = 75
CES12 = 61	CES37 = 78	CES62 = 81	CES87 = 76
CES13 = 41	CES38 = 98	CES63 = 73	CES88 = 81
CES14 = 74	CES39 = 96	CES64 = 63	CES89 = 72
CES15 = 70	CES40 = 91	CES65 = 60	CES90 = 80
CES16 = 46	CES41 = 96	CES66 = 56	CES91 = 71
CES17 = 49	CES42 = 79	CES67 = 53	CES92 = 58
CES18 = 55	CES43 = 78	CES68 = 63	CES93 = 74
CES19 = 71	CES44 = 99	CES69 = 72	CES94 = 52
CES20 = 63	CES45 = 86	CES70 = 55	CES95 = 64
CES21 = 85	CES46 = 85	CES71 = 46	CES96 = 76
CES22 = 77	CES47 = 89	CES72 = 82	CES97 = 86
CES23 = 91	CES48 = 80	CES73 = 45	CES98 = 76
CES24 = 90	CES49 = 83	CES74 = 90	CES99 = 62
CES25 = 71	CES50 = 89	CES75 = 48	



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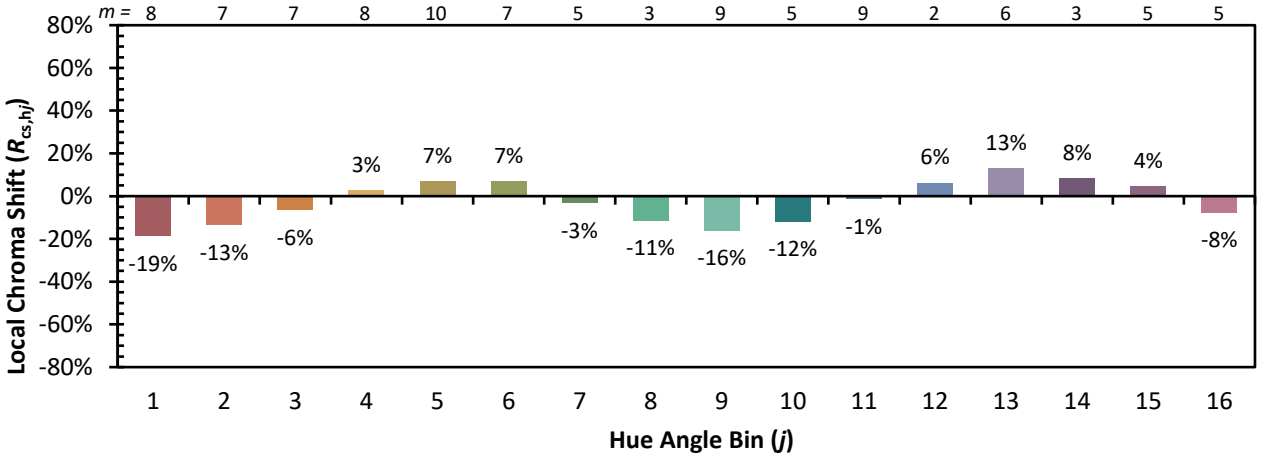
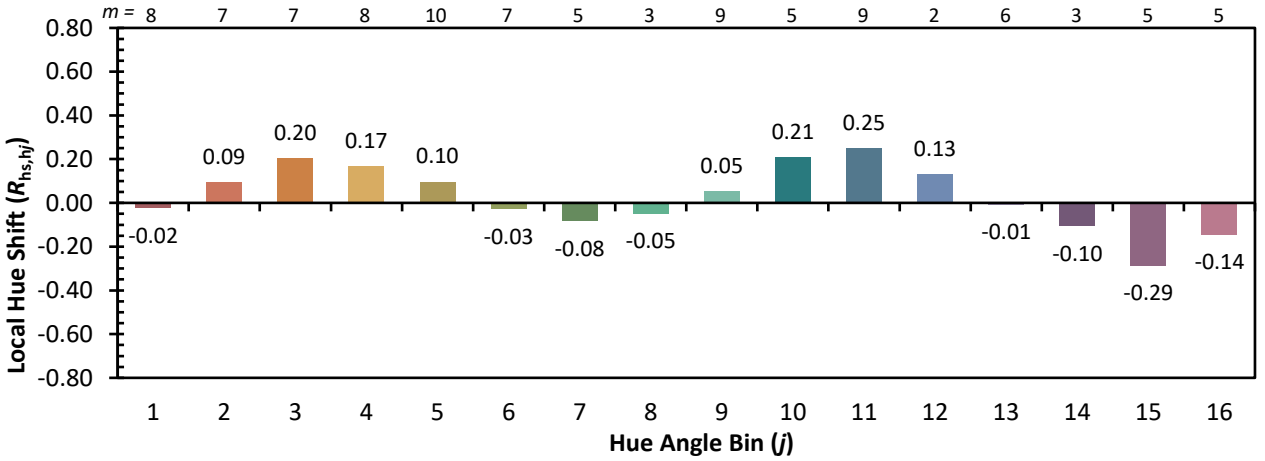
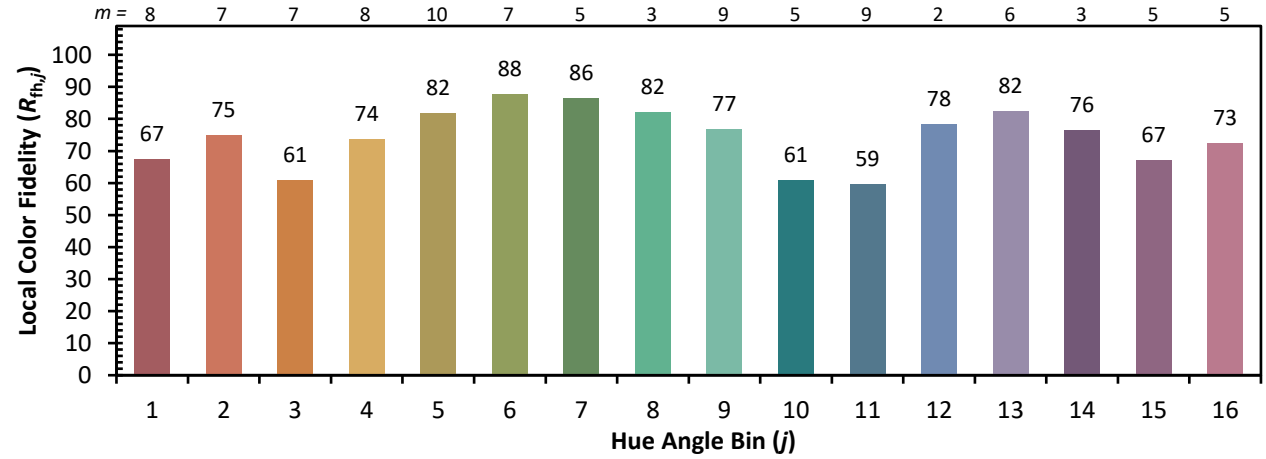
Color Rendition by Hue-Angle Bin







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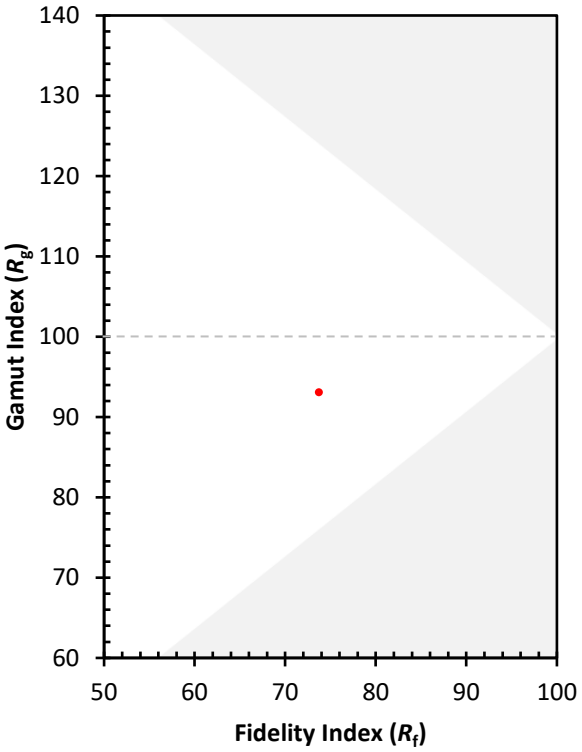
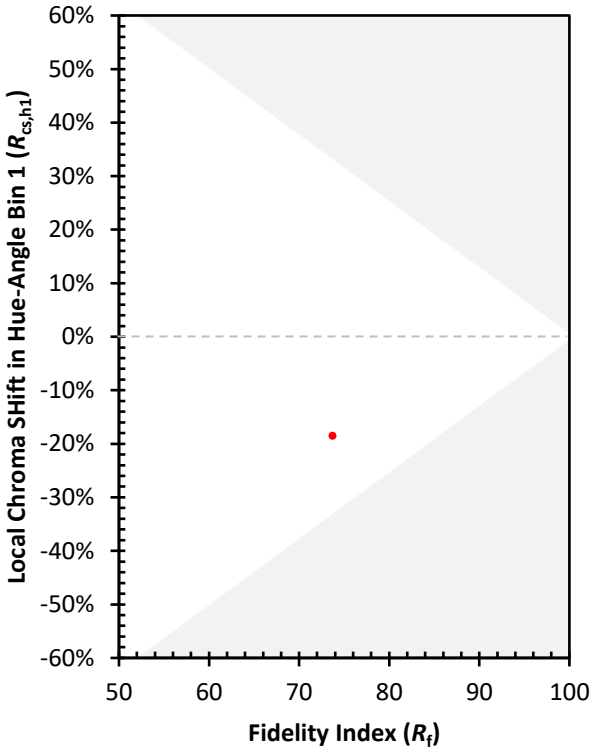
Measure Comparisons





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