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: P868364

Luminaire Tested: **EMM2-HTN-SA2B-740-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:	P868364
Test Lab:	INNOVATION CENTER(G3)
Issue Date:	08/22/2024
Manufacturer:	COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line:	INVUE
Catalog Number:	EMM2-HTN-SA2B-740-U-T1
Description:	EPIC MODERN TALL HOUSING DISCRETE LED ARRAYS 100W 70CRI 4000K FIXTURE w/ TYPE 1 DISTRIBUTION OPTIC
Light Source:	(20) 4000K CCT, 70 CRI LEDS
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	13332.8 lumens
Efficiency:	N/A
Efficacy:	148.1 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):	90
Input Voltage (V):	120
Input Current (Ain):	NR
Voltage Rise (V):	NR
Power Factor:	0.99
Total Harmonic Distortion (THDi):	6.20%
Frequency (hertz):	60
Stabilization Time:	NR
Operation Time:	NR
Ambient Temperature (°C):	NR
Test Distance:	24 FT

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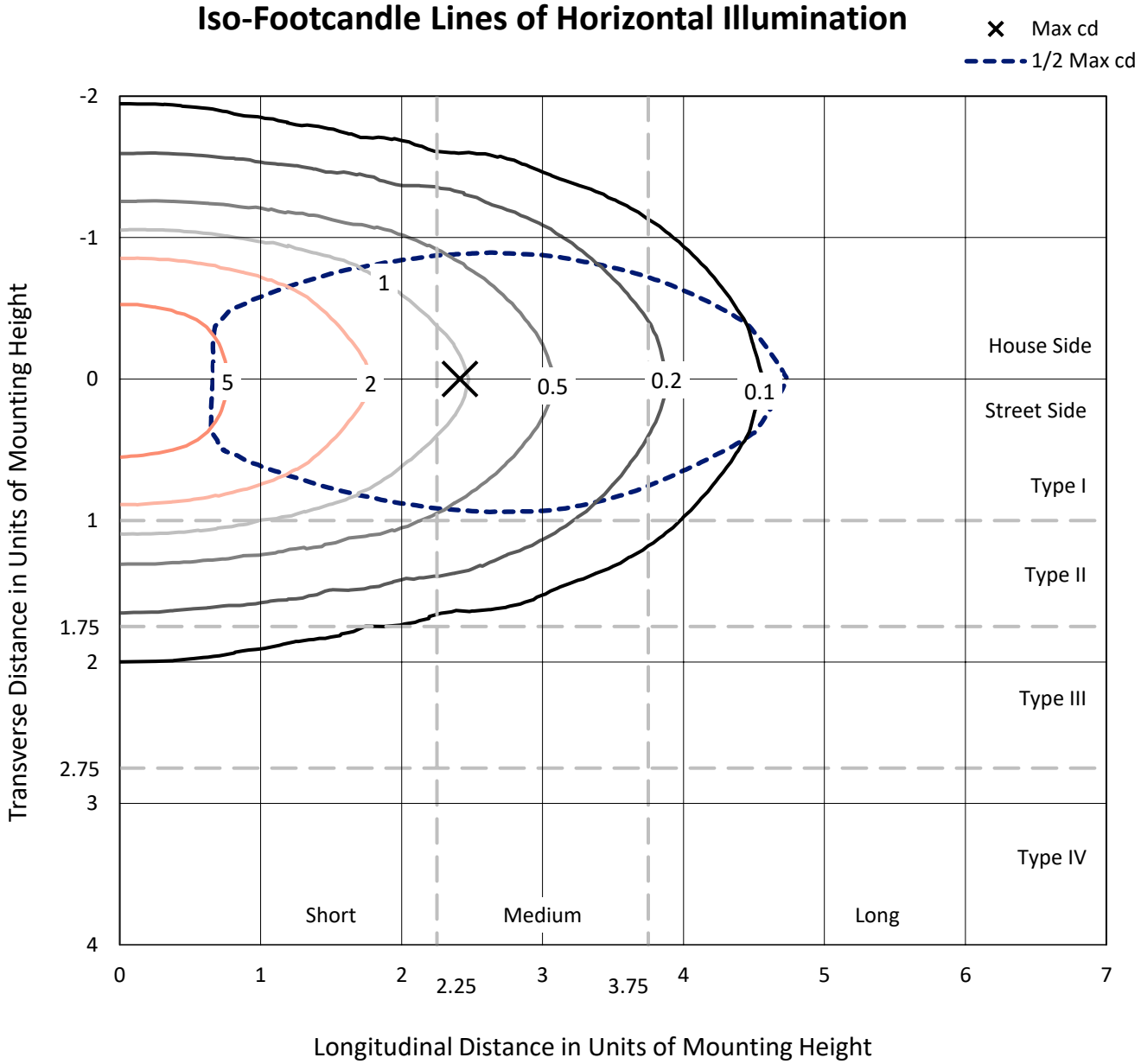
REPORT NUMBER: P868364
CATALOG NUMBER: EMM2-HTN-SA2B-740-U-T1

Iso-Footcandle Lines of Horizontal Illumination



Based on 20 foot mounting height. Maximum calculated value = 8.1 fc
Type I - Short - N/A

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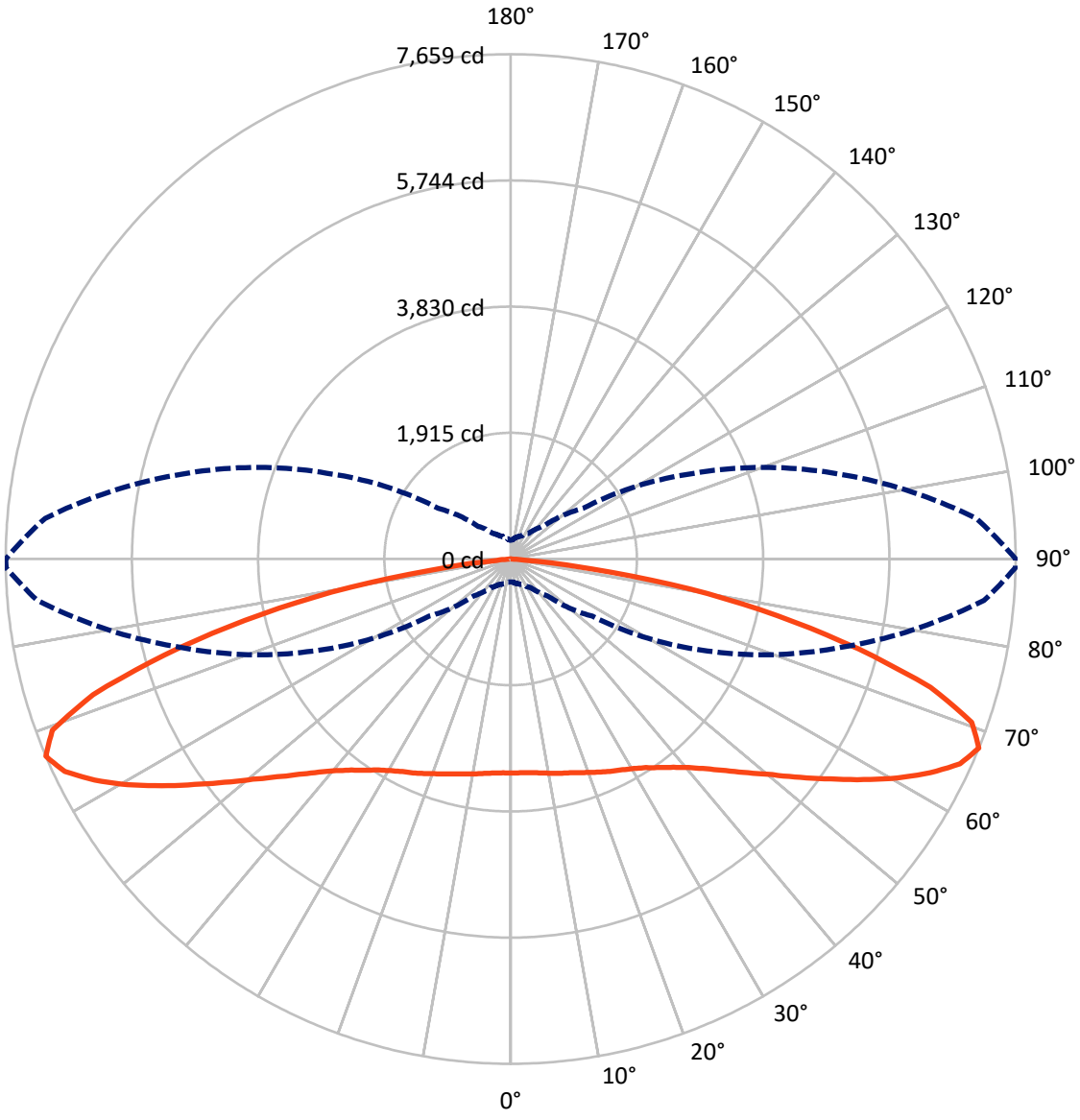
Luminous Intensity Polar Plot



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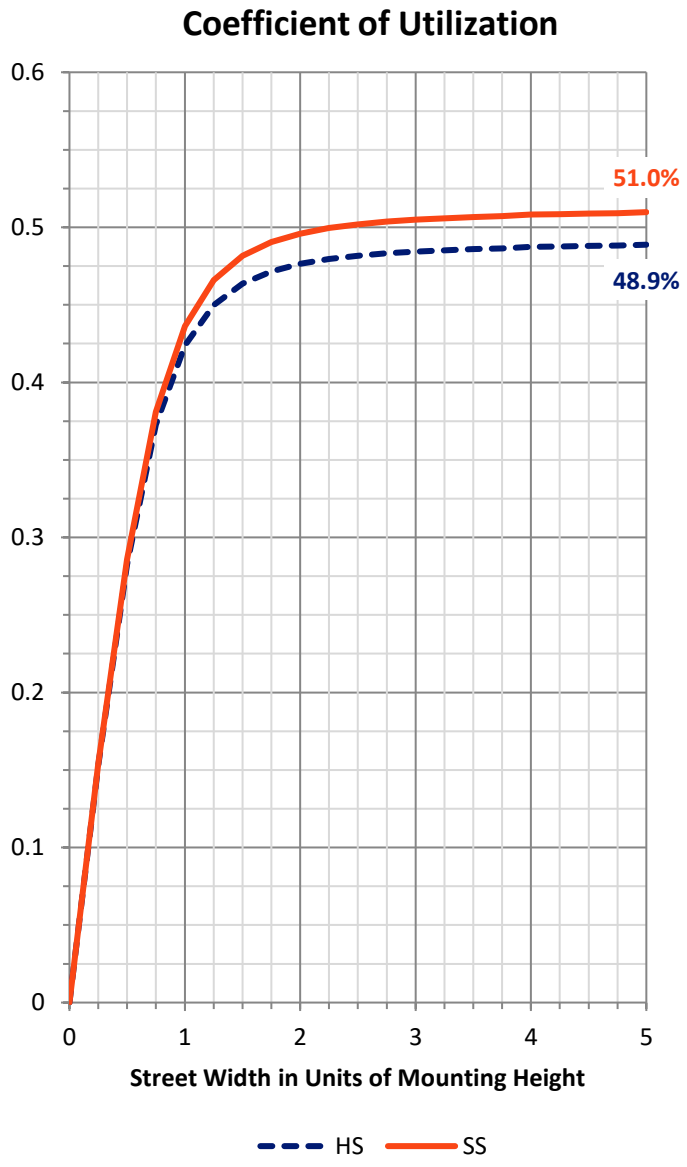
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	6548.0	0.0	6548.0
	% Fixture	49.1	0.0	49.1
Street Side	Lumens	6784.8	0.0	6784.8
	% Fixture	50.9	0.0	50.9
Total	Lumens	13332.8	0.0	13332.8
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	311.3	2.3
10°-20°	935.6	7.0
20°-30°	1548.4	11.6
30°-40°	2053.1	15.4
40°-50°	2314.8	17.4
50°-60°	2373.1	17.8
60°-70°	2241.3	16.8
70°-80°	1375.3	10.3
80°-90°	180.0	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°	13332.8	100.0
0°-180°	13332.8	100.0



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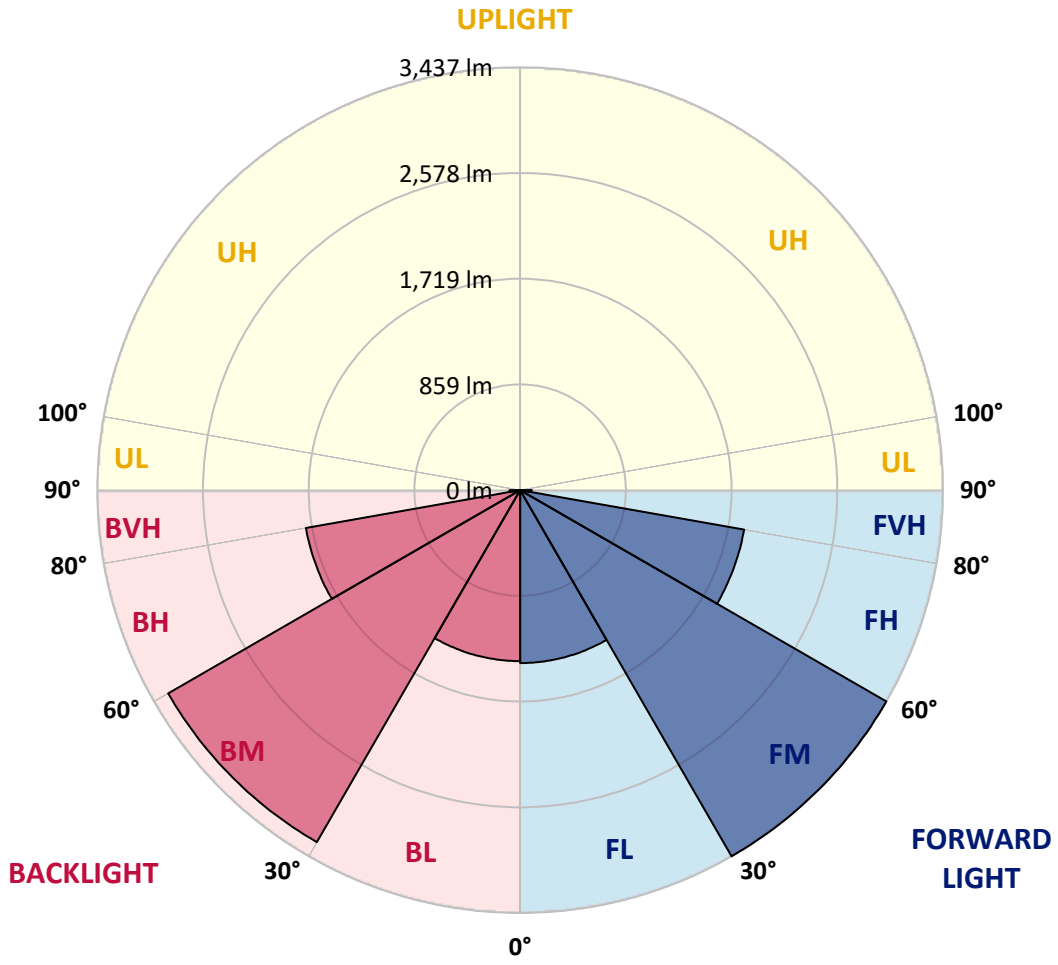
LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	1405.7	10.5			
FM	(30°-60°)	3437.0	25.8			
FH	(60°-80°)	1848.4	13.9			G2/5000
FVH	(80°-90°)	93.7	0.7			G1/100
BL	(0°-30°)	1389.6	10.4	B3/2500		
BM	(30°-60°)	3304.0	24.8	B3/5000		
BH	(60°-80°)	1768.2	13.3	B3/2500		G3/2500
BVH	(80°-90°)	86.2	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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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	89°
0°	3248.5	3248.5	3248.5	3248.5	3248.5	3248.5	3248.5	3248.5	3248.5	3248.5	3248.5
2.5°	3261.3	3261.3	3253.6	3240.8	3238.3	3240.8	3256.2	3248.5	3248.5	3251.1	3248.5
5°	3261.3	3261.3	3256.2	3243.4	3243.4	3243.4	3261.3	3253.6	3256.2	3258.8	3258.8
7.5°	3266.4	3266.4	3261.3	3251.1	3251.1	3251.1	3276.7	3271.6	3271.6	3279.2	3274.1
10°	3279.2	3274.1	3269.0	3271.6	3263.9	3276.7	3289.5	3292.0	3302.3	3307.4	3304.8
12.5°	3279.2	3274.1	3261.3	3276.7	3276.7	3294.6	3312.5	3322.8	3335.6	3335.6	3335.6
15°	3263.9	3258.8	3248.5	3274.1	3284.4	3307.4	3333.0	3348.4	3371.4	3371.4	3368.8
17.5°	3246.0	3238.3	3233.2	3271.6	3294.6	3325.3	3363.7	3384.2	3409.8	3412.3	3407.2
20°	3212.7	3210.1	3212.7	3263.9	3304.8	3348.4	3394.4	3422.6	3455.9	3466.1	3458.4
22.5°	3176.8	3176.8	3187.1	3256.2	3320.2	3379.1	3440.5	3476.3	3509.6	3519.9	3509.6
25°	3128.2	3128.2	3148.7	3230.6	3325.3	3412.3	3484.0	3532.7	3563.4	3573.6	3568.5
27.5°	3054.0	3054.0	3077.0	3179.4	3310.0	3437.9	3530.1	3586.4	3619.7	3629.9	3624.8
30°	2949.0	2943.9	2974.6	3102.6	3281.8	3466.1	3583.9	3642.7	3686.3	3693.9	3686.3
32.5°	2782.6	2790.3	2836.4	2997.6	3235.7	3484.0	3647.9	3717.0	3765.6	3781.0	3775.9
35°	2580.4	2593.2	2657.2	2864.5	3148.7	3481.5	3714.4	3798.9	3862.9	3883.4	3880.8
37.5°	2339.8	2357.7	2437.0	2680.2	3018.1	3443.1	3775.9	3891.1	3975.5	4001.1	4006.2
40°	2076.1	2094.0	2196.4	2465.2	2841.5	3353.5	3811.7	3996.0	4108.6	4159.8	4167.5
42.5°	1797.1	1827.8	1950.6	2211.8	2629.0	3210.1	3811.7	4098.4	4236.6	4331.4	4339.0
45°	1528.3	1553.9	1702.3	1958.3	2401.2	3025.8	3768.2	4200.8	4410.7	4574.5	4569.4
47.5°	1295.3	1303.0	1438.7	1697.2	2147.8	2815.9	3678.6	4293.0	4595.0	4812.6	4858.7
50°	1054.7	1072.6	1187.8	1443.8	1889.2	2585.5	3527.5	4351.8	4784.5	5114.7	5173.6
52.5°	885.7	888.3	975.3	1210.8	1620.4	2306.5	3345.8	4367.2	4966.2	5442.4	5514.0
55°	721.9	734.7	808.9	985.6	1361.9	2032.6	3110.3	4344.2	5132.6	5759.8	5892.9
57.5°	619.5	622.1	675.8	816.6	1149.4	1740.7	2849.2	4267.4	5270.8	6110.5	6279.4
60°	532.5	532.5	573.4	680.9	929.2	1456.6	2542.0	4131.7	5347.6	6486.8	6732.5
62.5°	463.3	465.9	501.7	581.1	773.1	1203.2	2204.1	3919.2	5375.8	6850.3	7131.9
65°	419.8	422.4	442.9	496.6	637.4	977.9	1858.5	3660.7	5337.4	7121.6	7487.7
67.5°	*348.1*	*350.7*	*386.5*	*427.5*	*529.9*	*785.9*	*1510.3*	*3302.3*	*5181.2*	*7206.1*	*7654.1*
70°	266.2	273.9	322.5	366.1	440.3	627.2	1159.6	2828.7	4807.5	6919.4	7380.2
72.5°	222.7	225.3	261.1	309.7	368.6	491.5	880.6	2227.1	4239.2	6179.6	6691.6
75°	194.6	197.1	217.6	261.1	307.2	394.2	611.8	1538.5	3381.6	4996.9	5465.4
77.5°	176.6	179.2	184.3	220.2	258.6	304.6	432.6	913.9	2385.8	3819.4	4065.1
80°	169.0	169.0	156.2	181.8	212.5	238.1	289.3	524.8	1530.8	2575.3	2772.4
82.5°	120.3	117.8	107.5	112.6	130.6	130.6	148.5	217.6	586.2	1088.0	1180.1
85°	7.7	7.7	12.8	15.4	23.0	30.7	38.4	51.2	148.5	202.2	209.9
87.5°	2.6	2.6	2.6	2.6	2.6	5.1	5.1	5.1	7.7	10.2	10.2
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: P868364
CATALOG NUMBER: EMM2-HTN-SA2B-740-U-T1

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	3248.5	3248.5	3248.5	3248.5	3248.5	3248.5	3248.5	3248.5	3248.5	3248.5	3248.5
2.5°	3246.0	3248.5	3248.5	3253.6	3258.8	3256.2	3253.6	3258.8	3251.1	3235.7	3233.2
5°	3256.2	3256.2	3253.6	3258.8	3263.9	3258.8	3253.6	3253.6	3248.5	3233.2	3230.6
7.5°	3276.7	3274.1	3274.1	3274.1	3274.1	3266.4	3258.8	3253.6	3246.0	3230.6	3222.9
10°	3304.8	3302.3	3299.7	3297.2	3284.4	3276.7	3263.9	3256.2	3246.0	3228.0	3222.9
12.5°	3335.6	3330.4	3325.3	3327.9	3302.3	3279.2	3266.4	3248.5	3240.8	3199.9	3192.2
15°	3366.3	3358.6	3356.0	3345.8	3320.2	3286.9	3261.3	3235.7	3210.1	3171.7	3158.9
17.5°	3407.2	3402.1	3386.7	3376.5	3340.7	3294.6	3256.2	3220.4	3187.1	3141.0	3133.3
20°	3455.9	3450.7	3435.4	3414.9	3368.8	3312.5	3258.8	3202.4	3161.5	3107.7	3094.9
22.5°	3509.6	3501.9	3489.1	3466.1	3407.2	3340.7	3266.4	3192.2	3130.8	3069.3	3061.6
25°	3565.9	3560.8	3548.0	3514.7	3450.7	3368.8	3266.4	3156.4	3079.6	3025.8	3002.8
27.5°	3619.7	3617.1	3601.8	3563.4	3496.8	3389.3	3243.4	3097.5	2995.1	2923.4	2908.0
30°	3688.8	3683.7	3665.8	3622.3	3548.0	3402.1	3197.3	2997.6	2869.6	2790.3	2767.3
32.5°	3773.3	3768.2	3742.6	3688.8	3609.5	3404.7	3130.8	2869.6	2700.7	2616.2	2588.1
35°	3885.9	3875.7	3842.4	3778.4	3668.3	3379.1	3013.0	2705.8	2498.5	2388.4	2350.0
37.5°	4008.8	3996.0	3952.5	3873.1	3709.3	3310.0	2846.6	2485.7	2250.2	2119.6	2091.4
40°	4159.8	4141.9	4075.4	3965.3	3724.7	3189.6	2659.7	2260.4	2009.5	1866.2	1832.9
42.5°	4349.3	4318.6	4211.0	4067.7	3693.9	3025.8	2437.0	2027.4	1740.7	1607.6	1599.9
45°	4577.1	4528.5	4367.2	4167.5	3627.4	2821.0	2201.5	1766.3	1492.4	1361.9	1328.6
47.5°	4845.9	4787.0	4548.9	4244.3	3496.8	2611.1	1948.1	1512.9	1262.0	1128.9	1103.3
50°	5142.8	5086.5	4740.9	4287.8	3356.0	2365.3	1699.8	1287.6	1036.8	926.7	926.7
52.5°	5503.8	5375.8	4925.3	4293.0	3141.0	2094.0	1461.7	1067.5	870.4	773.1	752.6
55°	5887.8	5736.7	5091.6	4246.9	2918.3	1845.7	1205.7	888.3	714.2	645.1	627.2
57.5°	6315.3	6084.9	5212.0	4154.7	2636.7	1574.3	1006.0	732.1	601.6	545.3	537.6
60°	6745.3	6448.4	5283.6	3998.6	2337.2	1323.5	837.1	611.8	517.1	476.1	468.5
62.5°	7144.7	6745.3	5288.8	3770.7	2045.4	1103.3	686.1	527.3	458.2	427.5	427.5
65°	7490.3	6993.7	5201.7	3478.9	1674.2	885.7	565.7	445.4	399.3	366.1	358.4
67.5°	7659.2	7088.4	5048.1	3079.6	1341.4	701.4	476.1	386.5	343.0	291.8	286.7
70°	7421.2	6814.5	4653.9	2567.6	1036.8	558.1	396.8	330.2	286.7	243.2	238.1
72.5°	6660.9	6084.9	4016.5	1989.0	780.8	450.5	330.2	281.6	235.5	212.5	207.4
75°	5450.0	5060.9	3174.3	1369.5	545.3	353.3	276.5	238.1	199.7	189.4	186.9
77.5°	4136.8	3763.1	2319.3	857.6	373.7	276.5	235.5	202.2	174.1	181.8	176.6
80°	2762.1	2590.6	1541.1	486.4	250.9	202.2	179.2	148.5	133.1	153.6	148.5
82.5°	1254.4	1187.8	724.5	212.5	112.6	87.0	61.4	46.1	35.8	33.3	38.4
85°	209.9	184.3	51.2	23.0	12.8	7.7	5.1	5.1	2.6	2.6	2.6
87.5°	10.2	7.7	7.7	5.1	2.6	2.6	2.6	2.6	2.6	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: SP1-2407-157-5

Test Date: 08/07/2024

Luminaire Tested: MEM2-HTN-SA-40-740-U-5WQ-2

Data in this report applies to families of products including MEM2-HTN-SA-40-740-U-5WQ-2

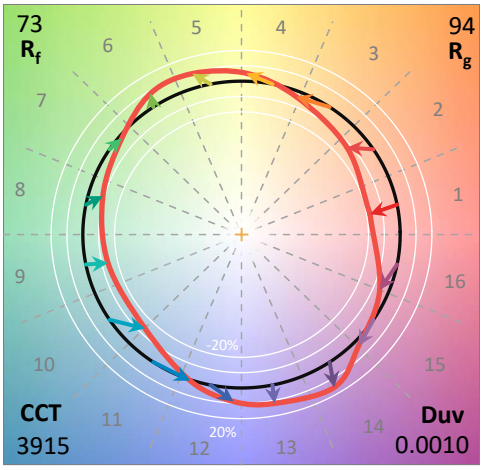
Report Generated By FNC07603 / LDUCLS01DT446
Version: v7.04

Test Information

Test Method:	LM-79-2019
Report Number:	SP1-2407-157-5
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-40-740-U-5WQ-2**
Description:	Epic Modern Light Square 40W 5WQ Optic and Flare Trim

Spectral Parameters

CCT (K):	3915	CRI (Ra):	71.0		
CIE u':	0.2262	R1:	67.6	R9:	-38.4
CIE v':	0.5044	R2:	78.3	R10:	48.9
Duv:	0.0010	R3:	87.1	R11:	65.3
CIE x:	0.3850	R4:	69.7	R12:	40.4
CIE y:	0.3816	R5:	67.4	R13:	69.3
CIE z:	0.2334	R6:	69.3	R14:	92.6
Peak Wavelength (nm):	449	R7:	79.7	R15:	59.9
Dominant Wavelength (nm):	578	R8:	48.7		
Purity:	30.05482				
Rf:	73.2				
Rg:	93.9				



Test Conditions

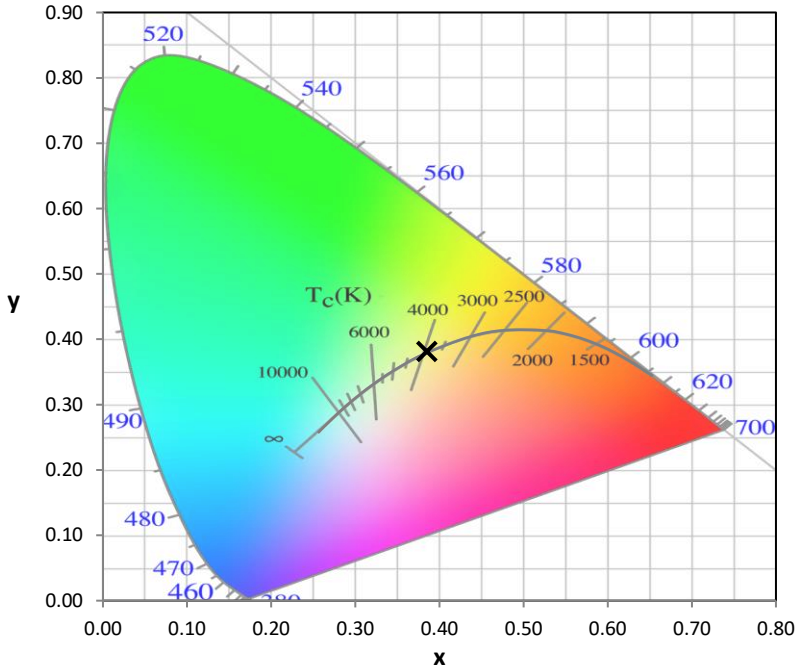
Stabilization Time:	21M
Operation Time:	1H 21M
Sphere Temperature (°C):	24.2

REPORT NUMBER: SP1-2407-157-5

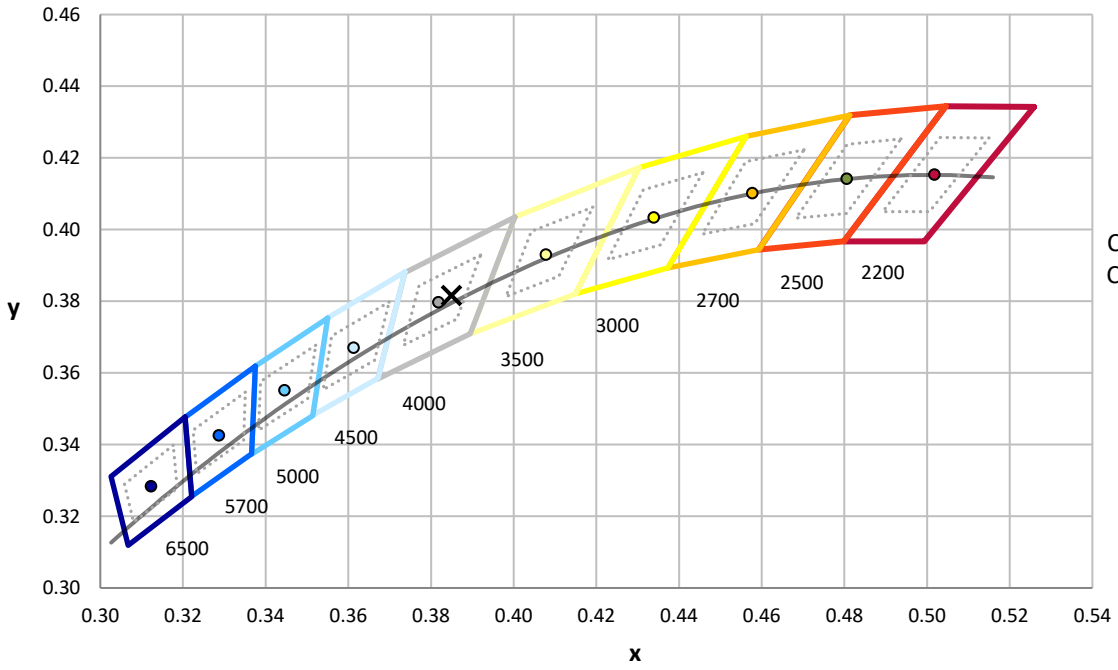
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

REPORT NUMBER: SP1-2407-157-5

CIE 1931 Chromaticity Diagram



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

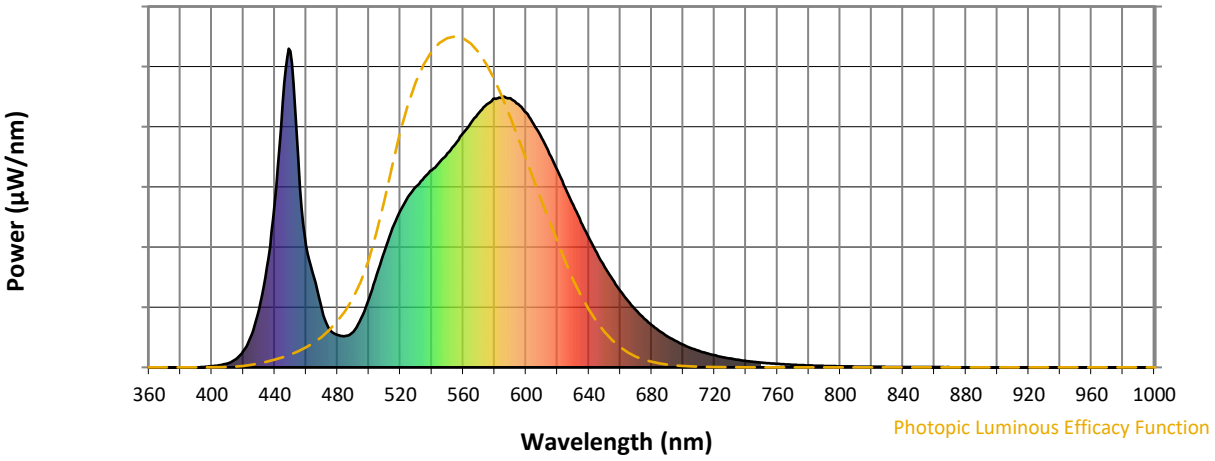


CCT = 3915K
CIE x = 0.3850
CIE y = 0.3816
Duv = 0.0010

Point lies inside the ANSI 4000K 4-step quadrangle

REPORT NUMBER: SP1-2407-157-5

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	112	NR	620	618	NR	750	15	NR	880	0	NR
365	0	NR	495	153	NR	625	563	NR	755	13	NR	885	0	NR
370	0	NR	500	216	NR	630	510	NR	760	11	NR	890	0	NR
375	0	NR	505	291	NR	635	456	NR	765	9	NR	895	0	NR
380	0	NR	510	366	NR	640	407	NR	770	8	NR	900	0	NR
385	0	NR	515	436	NR	645	359	NR	775	7	NR	905	0	NR
390	0	NR	520	492	NR	650	316	NR	780	6	NR	910	0	NR
395	2	NR	525	536	NR	655	277	NR	785	5	NR	915	0	NR
400	4	NR	530	567	NR	660	240	NR	790	4	NR	920	0	NR
405	7	NR	535	596	NR	665	208	NR	795	4	NR	925	0	NR
410	12	NR	540	619	NR	670	179	NR	800	3	NR	930	0	NR
415	25	NR	545	644	NR	675	154	NR	805	3	NR	935	0	NR
420	51	NR	550	671	NR	680	133	NR	810	3	NR	940	0	NR
425	100	NR	555	701	NR	685	114	NR	815	2	NR	945	0	NR
430	180	NR	560	735	NR	690	98	NR	820	2	NR	950	0	NR
435	315	NR	565	768	NR	695	83	NR	825	2	NR	955	0	NR
440	514	NR	570	798	NR	700	71	NR	830	1	NR	960	0	NR
445	828	NR	575	825	NR	705	61	NR	835	1	NR	965	0	NR
450	992	NR	580	843	NR	710	52	NR	840	1	NR	970	0	NR
455	652	NR	585	848	NR	715	44	NR	845	1	NR	975	0	NR
460	382	NR	590	844	NR	720	38	NR	850	1	NR	980	0	NR
465	282	NR	595	826	NR	725	32	NR	855	1	NR	985	0	NR
470	180	NR	600	800	NR	730	28	NR	860	1	NR	990	0	NR
475	119	NR	605	762	NR	735	24	NR	865	1	NR	995	0	NR
480	101	NR	610	719	NR	740	20	NR	870	1	NR	1000	0	NR
485	98	NR	615	669	NR	745	17	NR	875	0	NR			

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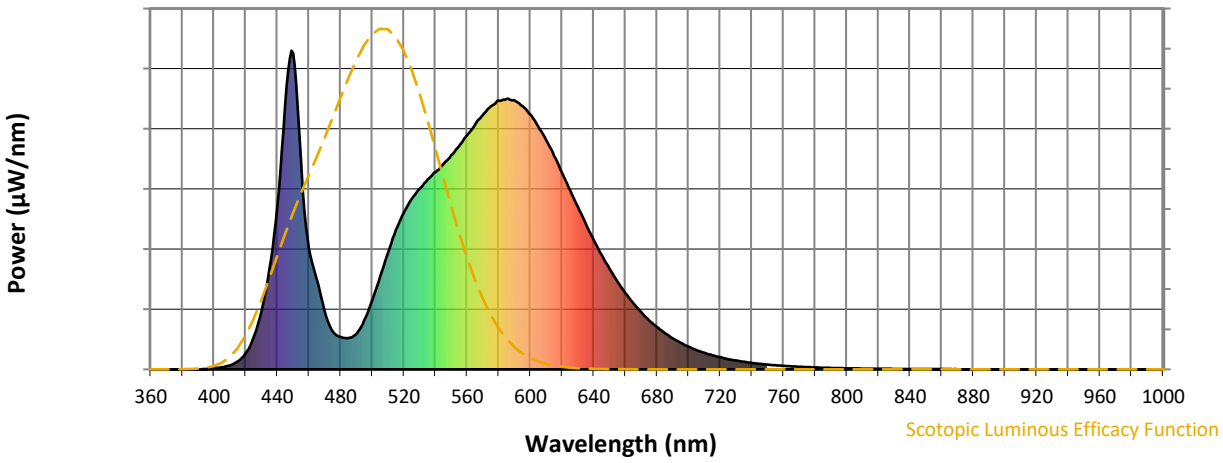
Scotopic Flux vs. Wavelength



Scotopic Lumens: NR **S/P: 1.49**

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	112	NR	620	618	NR	750	15	NR	880	0	NR
365	0	NR	495	153	NR	625	563	NR	755	13	NR	885	0	NR
370	0	NR	500	216	NR	630	510	NR	760	11	NR	890	0	NR
375	0	NR	505	291	NR	635	456	NR	765	9	NR	895	0	NR
380	0	NR	510	366	NR	640	407	NR	770	8	NR	900	0	NR
385	0	NR	515	436	NR	645	359	NR	775	7	NR	905	0	NR
390	0	NR	520	492	NR	650	316	NR	780	6	NR	910	0	NR
395	2	NR	525	536	NR	655	277	NR	785	5	NR	915	0	NR
400	4	NR	530	567	NR	660	240	NR	790	4	NR	920	0	NR
405	7	NR	535	596	NR	665	208	NR	795	4	NR	925	0	NR
410	12	NR	540	619	NR	670	179	NR	800	3	NR	930	0	NR
415	25	NR	545	644	NR	675	154	NR	805	3	NR	935	0	NR
420	51	NR	550	671	NR	680	133	NR	810	3	NR	940	0	NR
425	100	NR	555	701	NR	685	114	NR	815	2	NR	945	0	NR
430	180	NR	560	735	NR	690	98	NR	820	2	NR	950	0	NR
435	315	NR	565	768	NR	695	83	NR	825	2	NR	955	0	NR
440	514	NR	570	798	NR	700	71	NR	830	1	NR	960	0	NR
445	828	NR	575	825	NR	705	61	NR	835	1	NR	965	0	NR
450	992	NR	580	843	NR	710	52	NR	840	1	NR	970	0	NR
455	652	NR	585	848	NR	715	44	NR	845	1	NR	975	0	NR
460	382	NR	590	844	NR	720	38	NR	850	1	NR	980	0	NR
465	282	NR	595	826	NR	725	32	NR	855	1	NR	985	0	NR
470	180	NR	600	800	NR	730	28	NR	860	1	NR	990	0	NR
475	119	NR	605	762	NR	735	24	NR	865	1	NR	995	0	NR
480	101	NR	610	719	NR	740	20	NR	870	1	NR	1000	0	NR
485	98	NR	615	669	NR	745	17	NR	875	0	NR			

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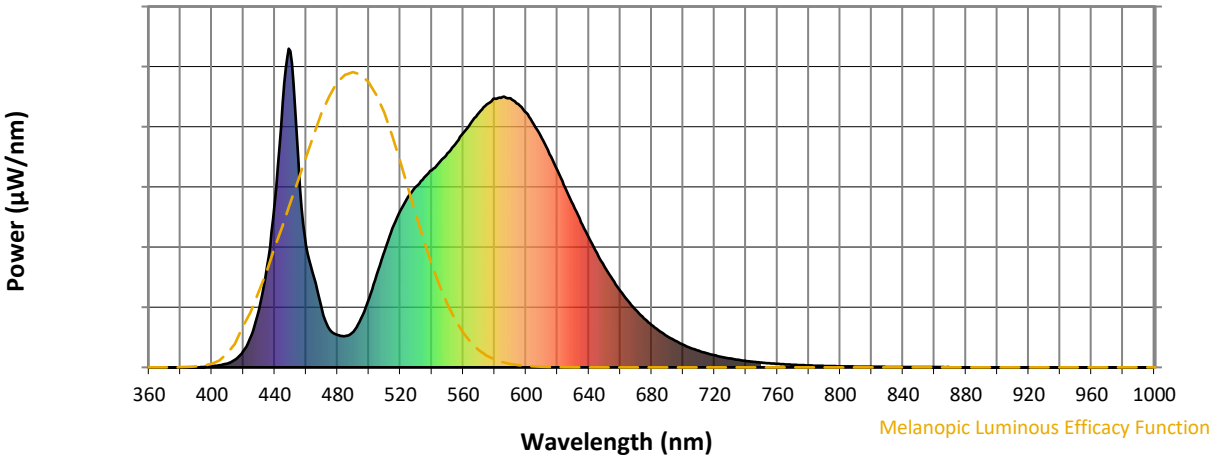
Melanopic Flux vs. Wavelength



Melanopic Lumens: NR **M/P: 2.88**

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	112	NR	620	618	NR	750	15	NR	880	0	NR
365	0	NR	495	153	NR	625	563	NR	755	13	NR	885	0	NR
370	0	NR	500	216	NR	630	510	NR	760	11	NR	890	0	NR
375	0	NR	505	291	NR	635	456	NR	765	9	NR	895	0	NR
380	0	NR	510	366	NR	640	407	NR	770	8	NR	900	0	NR
385	0	NR	515	436	NR	645	359	NR	775	7	NR	905	0	NR
390	0	NR	520	492	NR	650	316	NR	780	6	NR	910	0	NR
395	2	NR	525	536	NR	655	277	NR	785	5	NR	915	0	NR
400	4	NR	530	567	NR	660	240	NR	790	4	NR	920	0	NR
405	7	NR	535	596	NR	665	208	NR	795	4	NR	925	0	NR
410	12	NR	540	619	NR	670	179	NR	800	3	NR	930	0	NR
415	25	NR	545	644	NR	675	154	NR	805	3	NR	935	0	NR
420	51	NR	550	671	NR	680	133	NR	810	3	NR	940	0	NR
425	100	NR	555	701	NR	685	114	NR	815	2	NR	945	0	NR
430	180	NR	560	735	NR	690	98	NR	820	2	NR	950	0	NR
435	315	NR	565	768	NR	695	83	NR	825	2	NR	955	0	NR
440	514	NR	570	798	NR	700	71	NR	830	1	NR	960	0	NR
445	828	NR	575	825	NR	705	61	NR	835	1	NR	965	0	NR
450	992	NR	580	843	NR	710	52	NR	840	1	NR	970	0	NR
455	652	NR	585	848	NR	715	44	NR	845	1	NR	975	0	NR
460	382	NR	590	844	NR	720	38	NR	850	1	NR	980	0	NR
465	282	NR	595	826	NR	725	32	NR	855	1	NR	985	0	NR
470	180	NR	600	800	NR	730	28	NR	860	1	NR	990	0	NR
475	119	NR	605	762	NR	735	24	NR	865	1	NR	995	0	NR
480	101	NR	610	719	NR	740	20	NR	870	1	NR	1000	0	NR
485	98	NR	615	669	NR	745	17	NR	875	0	NR			

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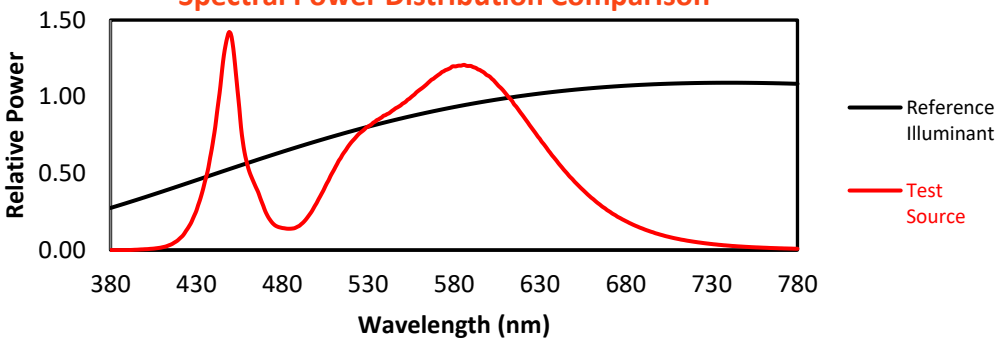
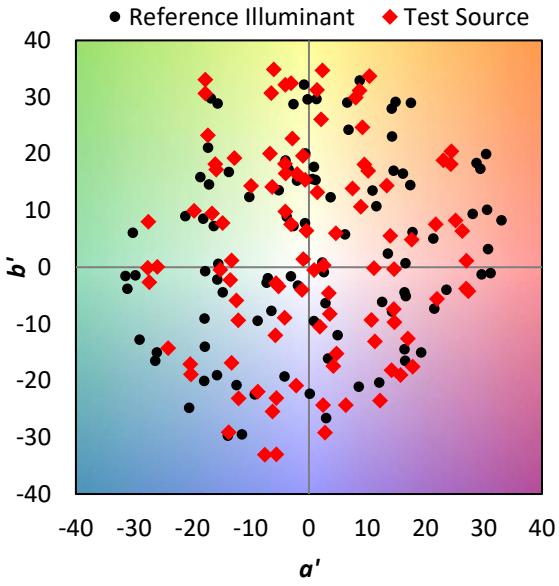
Summary

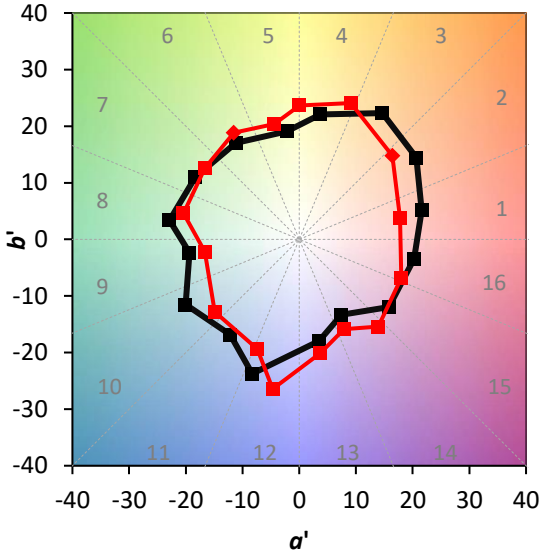
R_f = 73.2
R_g = 93.9
CIE R_a = 71.0
R_9 = -38.4

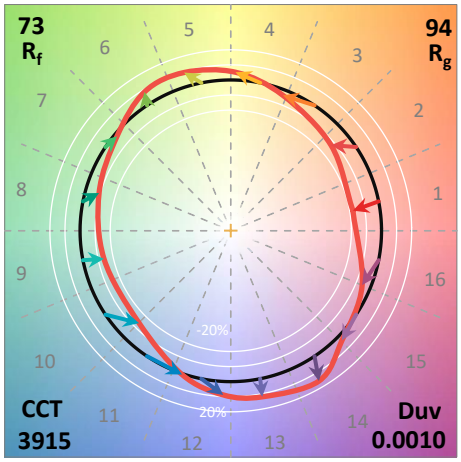
Spectral Power Distribution Comparison

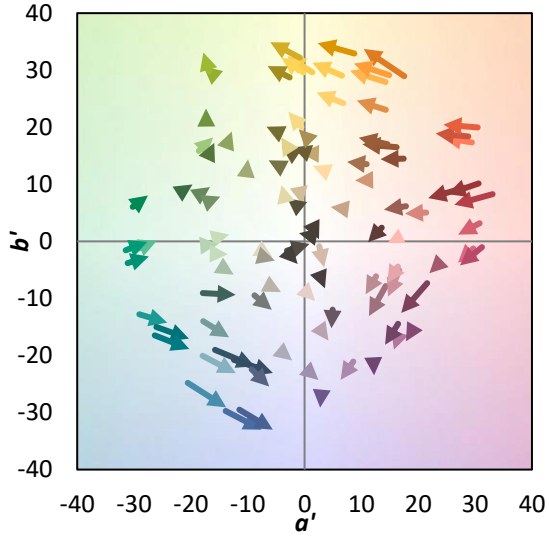


Color Vector Graphics









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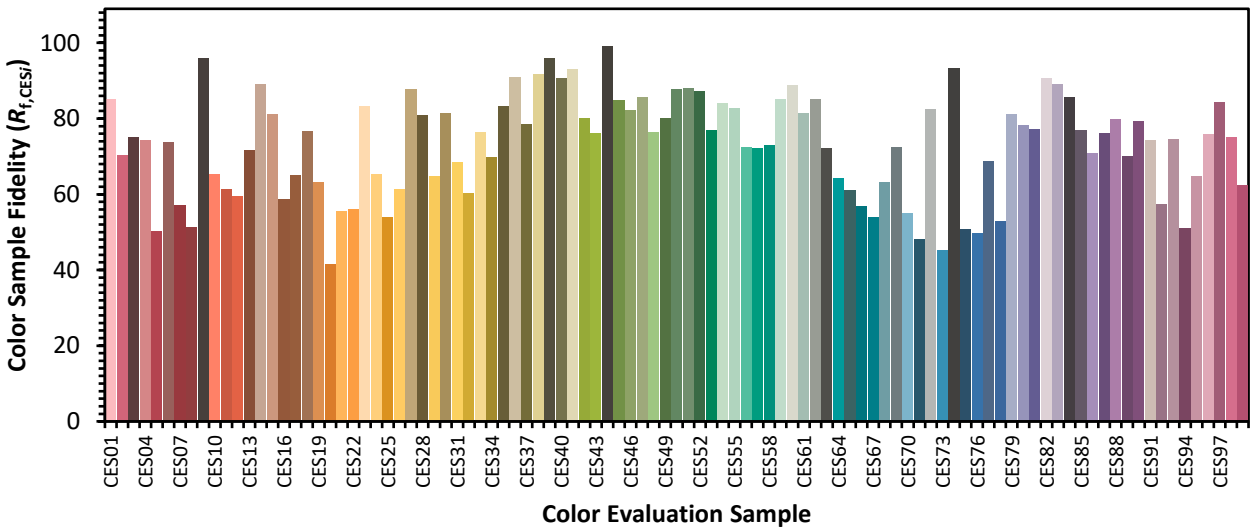
Individual Sample Fidelity Index ($R_{f,i}$)

CES01 = 85	CES26 = 61	CES51 = 88	CES76 = 50
CES02 = 61	CES27 = 88	CES52 = 87	CES77 = 69
CES03 = 30	CES28 = 81	CES53 = 77	CES78 = 53
CES04 = 70	CES29 = 65	CES54 = 84	CES79 = 81
CES05 = 47	CES30 = 81	CES55 = 83	CES80 = 78
CES06 = 50	CES31 = 69	CES56 = 73	CES81 = 77
CES07 = 40	CES32 = 60	CES57 = 72	CES82 = 91
CES08 = 39	CES33 = 76	CES58 = 73	CES83 = 89
CES09 = 29	CES34 = 70	CES59 = 85	CES84 = 86
CES10 = 74	CES35 = 83	CES60 = 89	CES85 = 77
CES11 = 57	CES36 = 91	CES61 = 81	CES86 = 71
CES12 = 63	CES37 = 79	CES62 = 85	CES87 = 76
CES13 = 42	CES38 = 92	CES63 = 72	CES88 = 80
CES14 = 74	CES39 = 96	CES64 = 64	CES89 = 70
CES15 = 71	CES40 = 91	CES65 = 61	CES90 = 79
CES16 = 46	CES41 = 93	CES66 = 57	CES91 = 74
CES17 = 49	CES42 = 80	CES67 = 54	CES92 = 57
CES18 = 56	CES43 = 76	CES68 = 63	CES93 = 74
CES19 = 72	CES44 = 99	CES69 = 73	CES94 = 51
CES20 = 65	CES45 = 85	CES70 = 55	CES95 = 65
CES21 = 86	CES46 = 82	CES71 = 48	CES96 = 76
CES22 = 78	CES47 = 86	CES72 = 83	CES97 = 84
CES23 = 92	CES48 = 77	CES73 = 45	CES98 = 75
CES24 = 91	CES49 = 80	CES74 = 93	CES99 = 62
CES25 = 72	CES50 = 88	CES75 = 51	



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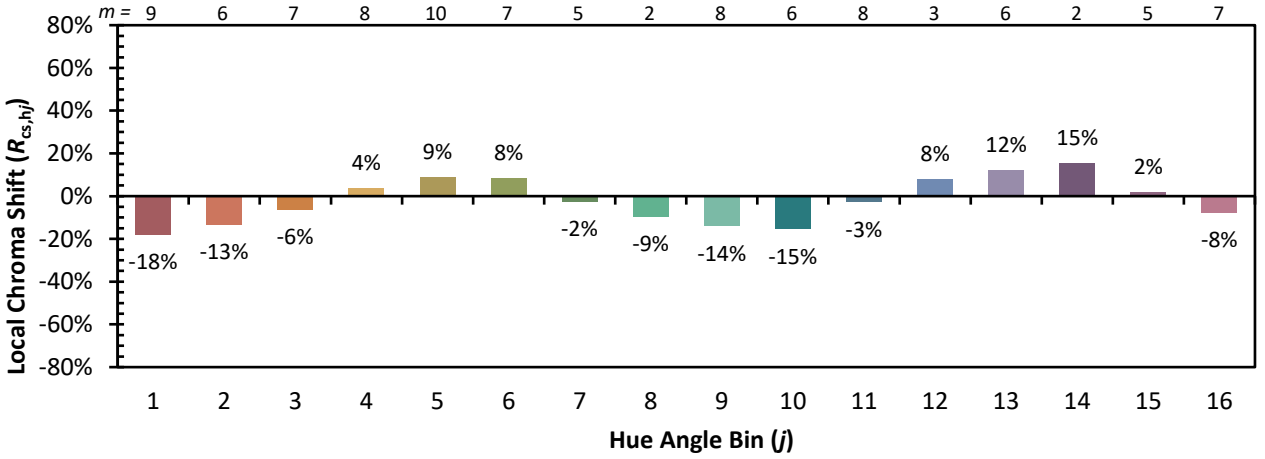
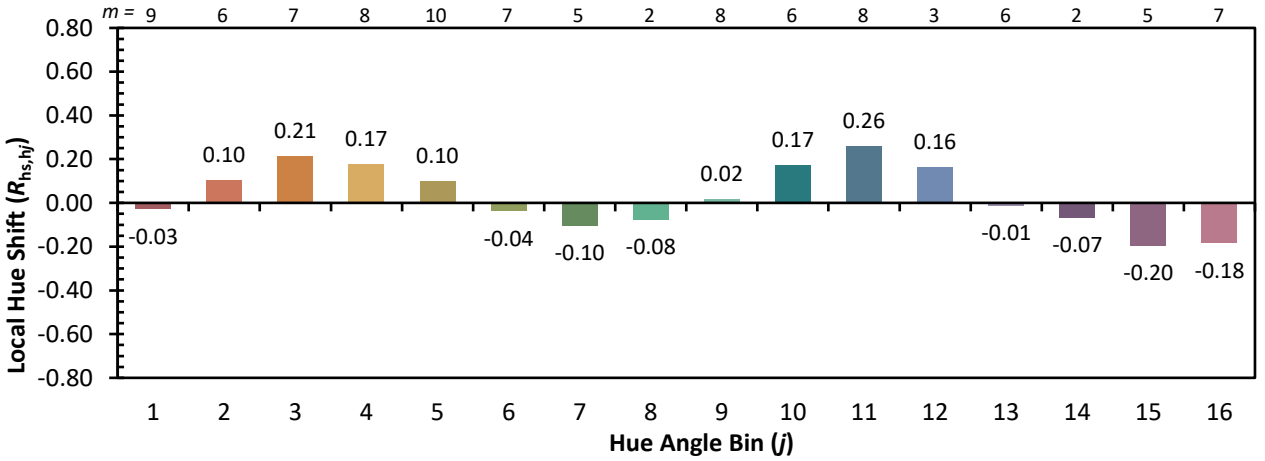
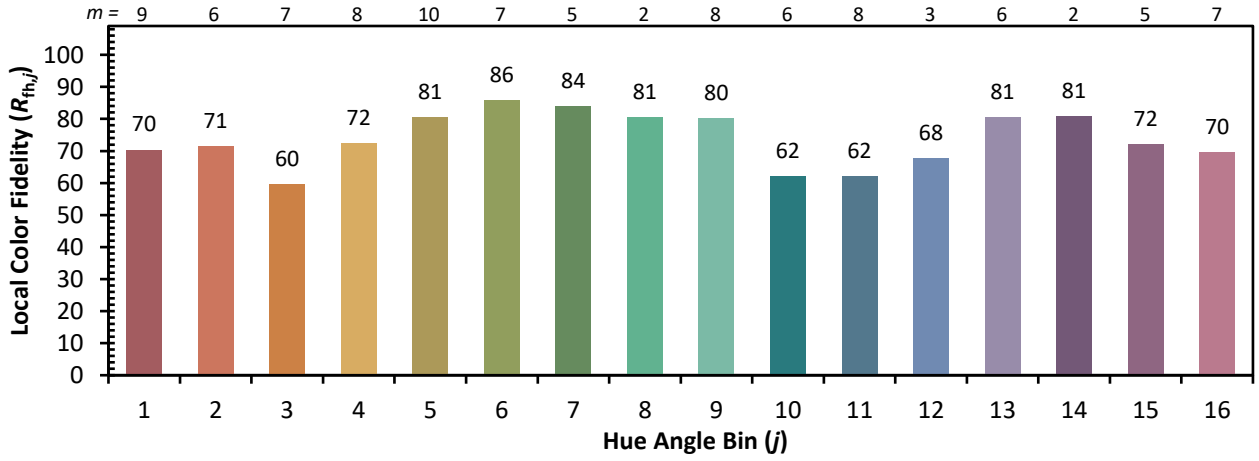
Color Rendition by Hue-Angle Bin







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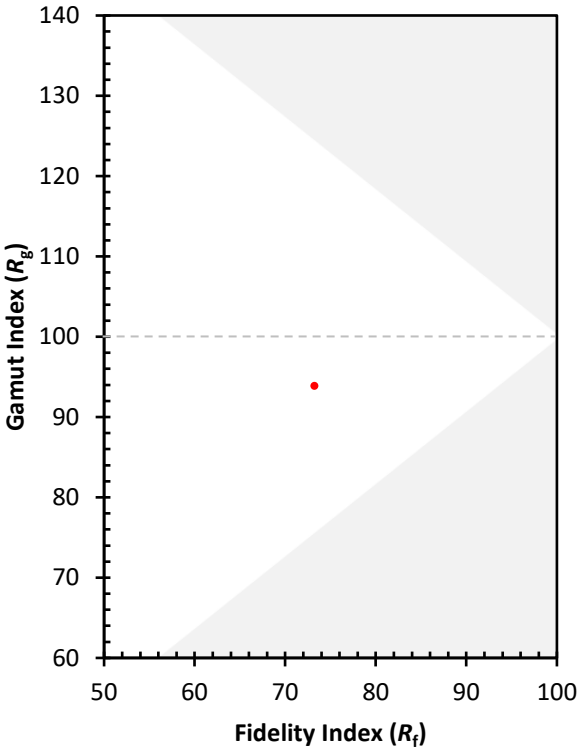
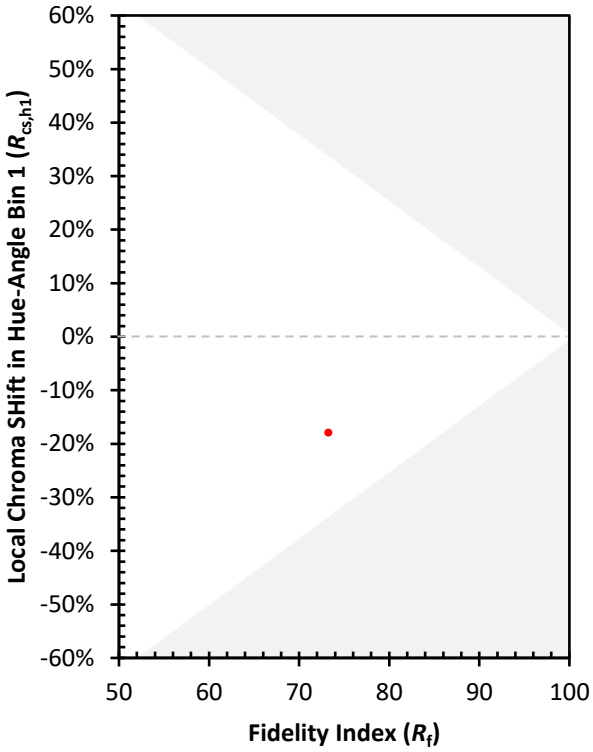
Measure Comparisons





(END OF REPORT)