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: P868365

Luminaire Tested: **EMM2-HTN-SA2C-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:	P868365
Test Lab:	INNOVATION CENTER(G3)
Issue Date:	08/22/2024
Manufacturer:	COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line:	INVUE
Catalog Number:	EMM2-HTN-SA2C-740-U-T1
Description:	EPIC MODERN TALL HOUSING DISCRETE LED ARRAYS 120W 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:	14282.8 lumens
Efficiency:	N/A
Efficacy:	141.4 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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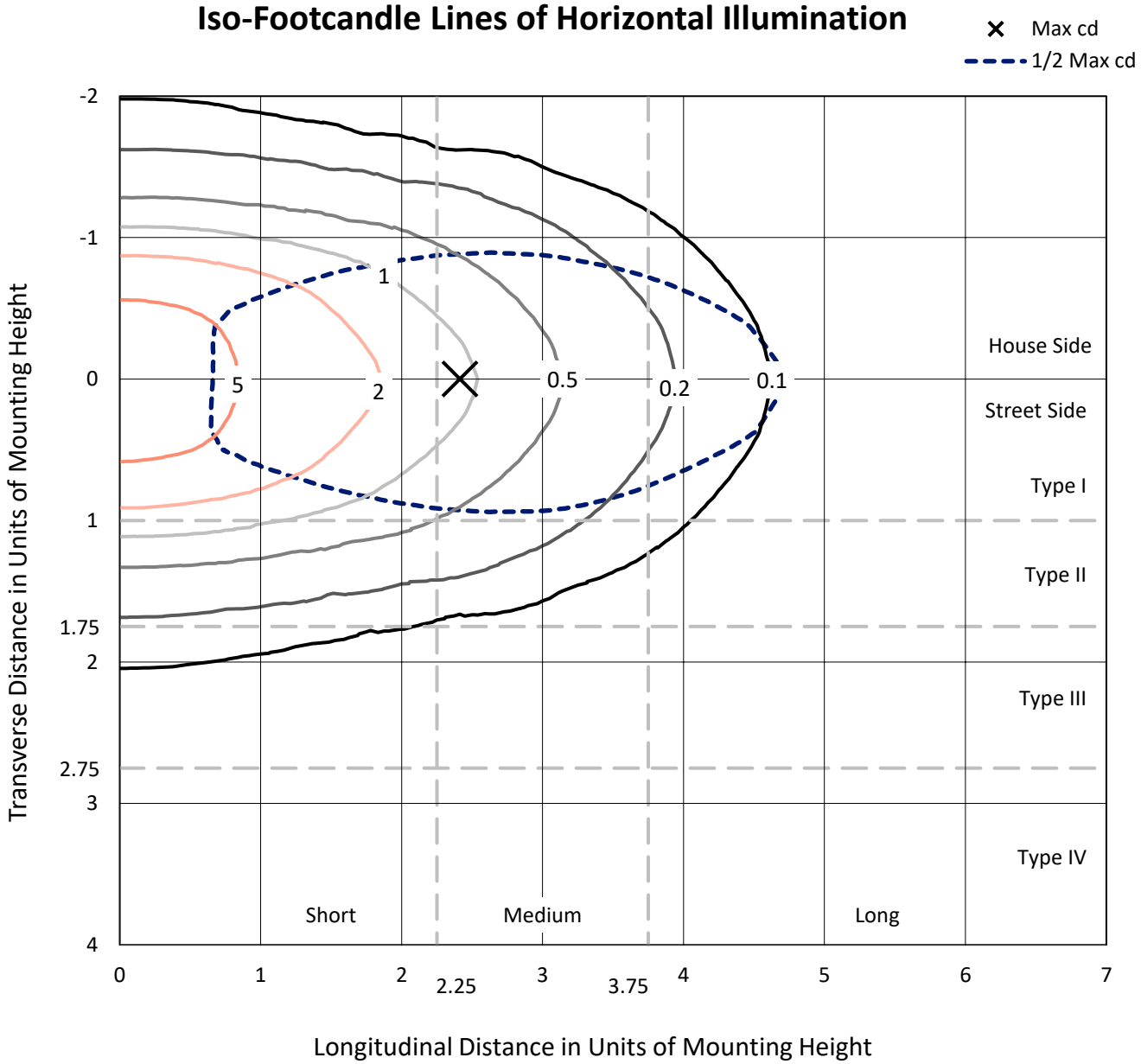
Scaled Data Report

REPORT NUMBER: P868365
CATALOG NUMBER: EMM2-HTN-SA2C-740-U-T1

Iso-Footcandle Lines of Horizontal Illumination



Based on 20 foot mounting height. Maximum calculated value = 8.7 fc
Type I - Short - N/A

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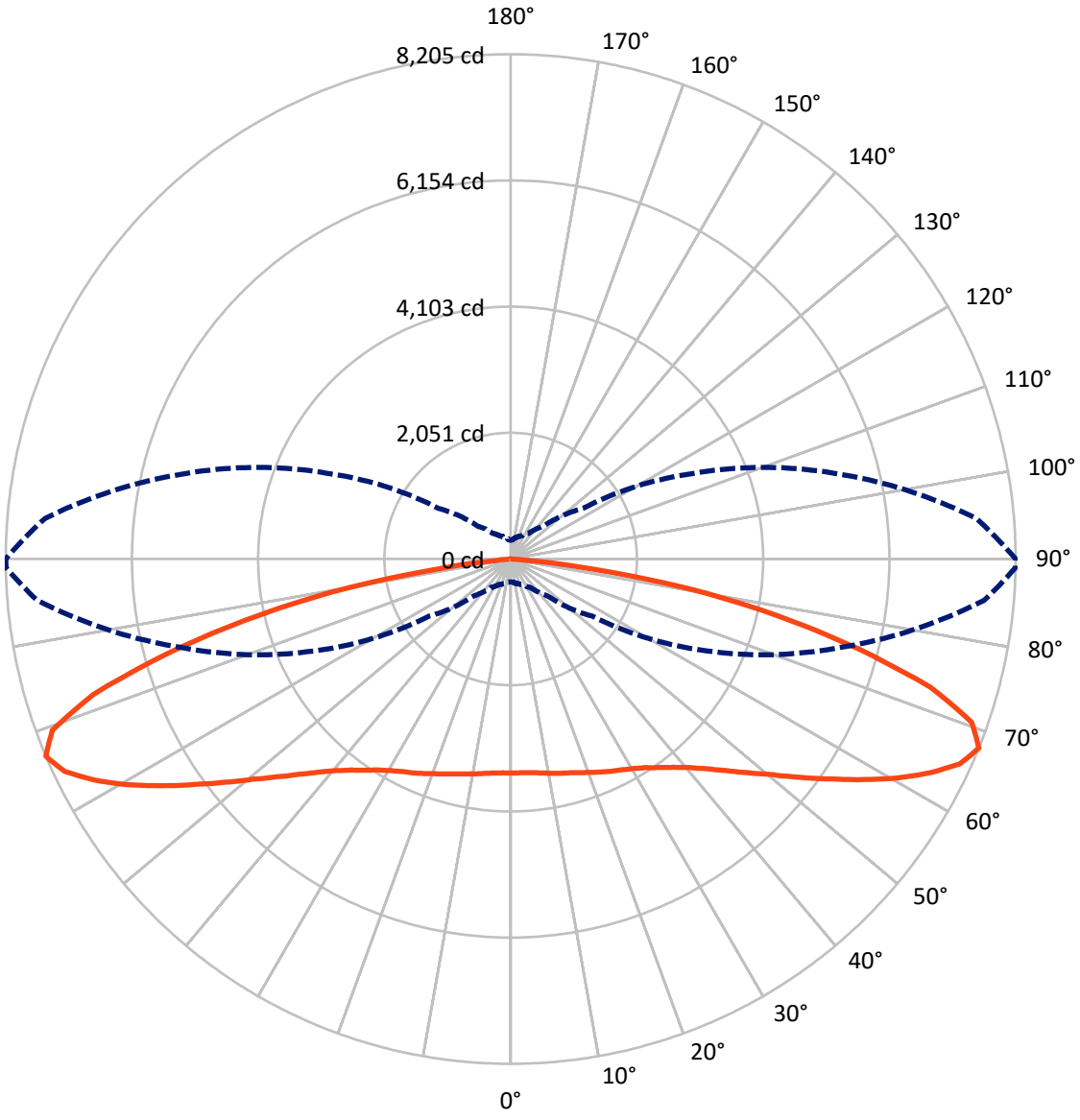
Luminous Intensity Polar Plot



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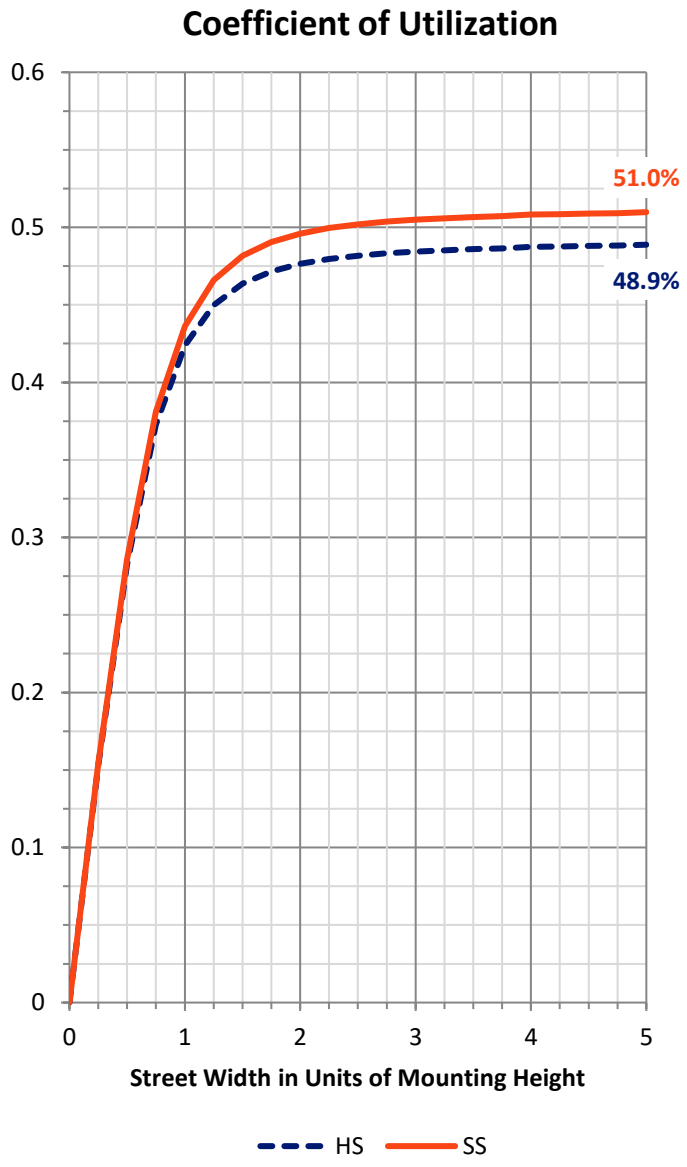
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	7014.6	0.0	7014.6
	% Fixture	49.1	0.0	49.1
Street Side	Lumens	7268.2	0.0	7268.2
	% Fixture	50.9	0.0	50.9
Total	Lumens	14282.8	0.0	14282.8
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	333.5	2.3
10°-20°	1002.2	7.0
20°-30°	1658.7	11.6
30°-40°	2199.4	15.4
40°-50°	2479.8	17.4
50°-60°	2542.1	17.8
60°-70°	2401.0	16.8
70°-80°	1473.3	10.3
80°-90°	192.8	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°	14282.8	100.0
0°-180°	14282.8	100.0



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REPORT NUMBER: P868365
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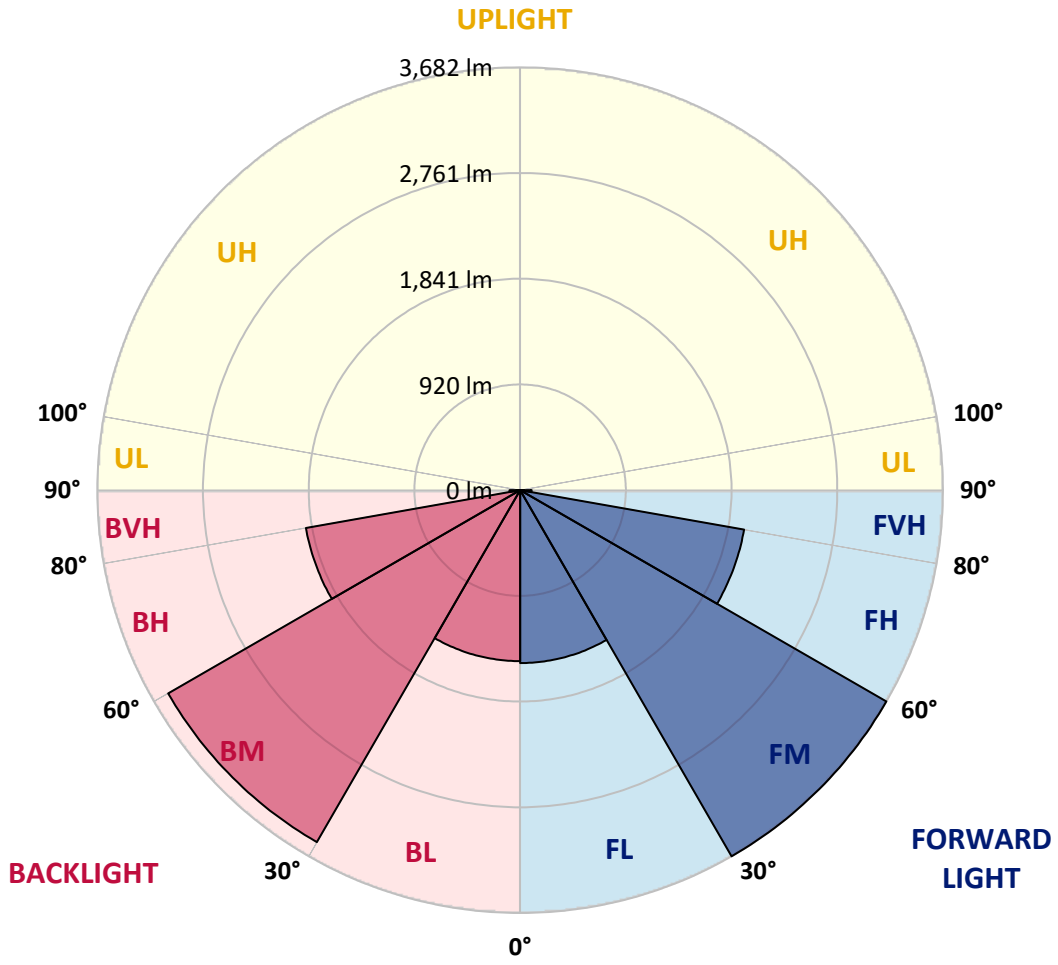
LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	1505.8	10.5			
FM	(30°-60°)	3681.9	25.8			
FH	(60°-80°)	1980.1	13.9			G2/5000
FVH	(80°-90°)	100.4	0.7			G2/225
BL	(0°-30°)	1488.6	10.4	B3/2500		
BM	(30°-60°)	3539.4	24.8	B3/5000		
BH	(60°-80°)	1894.2	13.3	B3/2500		G3/2500
BVH	(80°-90°)	92.3	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: P868365
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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	89°
0°	3480.0	3480.0	3480.0	3480.0	3480.0	3480.0	3480.0	3480.0	3480.0	3480.0	3480.0
2.5°	3493.7	3493.7	3485.5	3471.7	3469.0	3471.7	3488.2	3480.0	3480.0	3482.7	3480.0
5°	3493.7	3493.7	3488.2	3474.5	3474.5	3474.5	3493.7	3485.5	3488.2	3490.9	3490.9
7.5°	3499.2	3499.2	3493.7	3482.7	3482.7	3482.7	3510.1	3504.7	3504.7	3512.9	3507.4
10°	3512.9	3507.4	3501.9	3504.7	3496.4	3510.1	3523.9	3526.6	3537.6	3543.0	3540.3
12.5°	3512.9	3507.4	3493.7	3510.1	3510.1	3529.3	3548.5	3559.5	3573.2	3573.2	3573.2
15°	3496.4	3490.9	3480.0	3507.4	3518.4	3543.0	3570.5	3586.9	3611.6	3611.6	3608.9
17.5°	3477.2	3469.0	3463.5	3504.7	3529.3	3562.2	3603.4	3625.3	3652.7	3655.5	3650.0
20°	3441.6	3438.8	3441.6	3496.4	3540.3	3586.9	3636.3	3666.5	3702.1	3713.1	3704.8
22.5°	3403.2	3403.2	3414.2	3488.2	3556.8	3619.8	3685.6	3724.0	3759.7	3770.7	3759.7
25°	3351.1	3351.1	3373.0	3460.8	3562.2	3655.5	3732.3	3784.4	3817.3	3828.2	3822.8
27.5°	3271.6	3271.6	3296.2	3405.9	3545.8	3682.9	3781.6	3842.0	3877.6	3888.6	3883.1
30°	3159.1	3153.6	3186.5	3323.7	3515.6	3713.1	3839.2	3902.3	3948.9	3957.1	3948.9
32.5°	2980.9	2989.1	3038.5	3211.2	3466.3	3732.3	3907.8	3981.8	4033.9	4050.4	4044.9
35°	2764.2	2777.9	2846.5	3068.6	3373.0	3729.5	3979.1	4069.6	4138.1	4160.1	4157.3
37.5°	2506.5	2525.7	2610.7	2871.2	3233.2	3688.4	4044.9	4168.3	4258.8	4286.2	4291.7
40°	2224.0	2243.2	2352.9	2640.8	3043.9	3592.4	4083.3	4280.7	4401.4	4456.2	4464.5
42.5°	1925.1	1958.0	2089.6	2369.3	2816.3	3438.8	4083.3	4390.4	4538.5	4640.0	4648.2
45°	1637.2	1664.6	1823.6	2097.9	2572.3	3241.4	4036.7	4500.1	4725.0	4900.5	4895.0
47.5°	1387.6	1395.8	1541.2	1818.1	2300.8	3016.5	3940.7	4598.8	4922.4	5155.5	5204.9
50°	1129.8	1149.0	1272.4	1546.7	2023.8	2769.7	3778.9	4661.9	5125.4	5479.1	5542.2
52.5°	948.8	951.6	1044.8	1297.1	1735.9	2470.8	3584.2	4678.4	5320.1	5830.1	5906.9
55°	773.3	787.0	866.6	1055.8	1458.9	2177.4	3331.9	4653.7	5498.3	6170.2	6312.8
57.5°	663.6	666.4	724.0	874.8	1231.3	1864.8	3052.2	4571.4	5646.4	6545.9	6726.9
60°	570.4	570.4	614.3	729.5	995.5	1560.4	2723.1	4426.1	5728.7	6949.0	7212.2
62.5°	496.4	499.1	537.5	622.5	828.2	1288.9	2361.1	4198.5	5758.8	7338.4	7640.0
65°	449.7	452.5	474.4	532.0	682.8	1047.6	1990.9	3921.5	5717.7	7629.1	8021.2
67.5°	*373.0*	*375.7*	*414.1*	*458.0*	*567.7*	*841.9*	*1618.0*	*3537.6*	*5550.4*	*7719.6*	*8199.5*
70°	285.2	293.4	345.5	392.1	471.7	671.9	1242.3	3030.2	5150.0	7412.4	7906.0
72.5°	238.6	241.3	279.7	331.8	394.9	526.5	943.4	2385.8	4541.2	6619.9	7168.4
75°	208.4	211.2	233.1	279.7	329.1	422.3	655.4	1648.1	3622.6	5353.0	5854.8
77.5°	189.2	192.0	197.4	235.8	277.0	326.3	463.4	979.0	2555.8	4091.5	4354.8
80°	181.0	181.0	167.3	194.7	227.6	255.0	309.9	562.2	1639.9	2758.8	2969.9
82.5°	128.9	126.1	115.2	120.7	139.9	139.9	159.1	233.1	628.0	1165.5	1264.2
85°	8.2	8.2	13.7	16.5	24.7	32.9	41.1	54.8	159.1	216.6	224.9
87.5°	2.7	2.7	2.7	2.7	2.7	5.5	5.5	5.5	8.2	11.0	11.0
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: P868365
CATALOG NUMBER: EMM2-HTN-SA2C-740-U-T1

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	3480.0	3480.0	3480.0	3480.0	3480.0	3480.0	3480.0	3480.0	3480.0	3480.0	3480.0
2.5°	3477.2	3480.0	3480.0	3485.5	3490.9	3488.2	3485.5	3490.9	3482.7	3466.3	3463.5
5°	3488.2	3488.2	3485.5	3490.9	3496.4	3490.9	3485.5	3485.5	3480.0	3463.5	3460.8
7.5°	3510.1	3507.4	3507.4	3507.4	3507.4	3499.2	3490.9	3485.5	3477.2	3460.8	3452.6
10°	3540.3	3537.6	3534.8	3532.1	3518.4	3510.1	3496.4	3488.2	3477.2	3458.0	3452.6
12.5°	3573.2	3567.7	3562.2	3565.0	3537.6	3512.9	3499.2	3480.0	3471.7	3427.9	3419.6
15°	3606.1	3597.9	3595.2	3584.2	3556.8	3521.1	3493.7	3466.3	3438.8	3397.7	3384.0
17.5°	3650.0	3644.5	3628.1	3617.1	3578.7	3529.3	3488.2	3449.8	3414.2	3364.8	3356.6
20°	3702.1	3696.6	3680.2	3658.2	3608.9	3548.5	3490.9	3430.6	3386.7	3329.1	3315.4
22.5°	3759.7	3751.5	3737.8	3713.1	3650.0	3578.7	3499.2	3419.6	3353.8	3288.0	3279.8
25°	3820.0	3814.5	3800.8	3765.2	3696.6	3608.9	3499.2	3381.3	3299.0	3241.4	3216.7
27.5°	3877.6	3874.9	3858.4	3817.3	3746.0	3630.8	3474.5	3318.2	3208.5	3131.7	3115.2
30°	3951.6	3946.2	3927.0	3880.3	3800.8	3644.5	3425.1	3211.2	3074.1	2989.1	2964.4
32.5°	4042.1	4036.7	4009.2	3951.6	3866.6	3647.3	3353.8	3074.1	2893.1	2802.6	2772.5
35°	4162.8	4151.8	4116.2	4047.6	3929.7	3619.8	3227.7	2898.6	2676.5	2558.6	2517.4
37.5°	4294.4	4280.7	4234.1	4149.1	3973.6	3545.8	3049.4	2662.8	2410.5	2270.6	2240.5
40°	4456.2	4437.0	4365.7	4247.8	3990.0	3416.9	2849.2	2421.4	2152.7	1999.1	1963.5
42.5°	4659.2	4626.3	4511.1	4357.5	3957.1	3241.4	2610.7	2171.9	1864.8	1722.2	1713.9
45°	4903.2	4851.1	4678.4	4464.5	3885.8	3022.0	2358.4	1892.2	1598.8	1458.9	1423.3
47.5°	5191.2	5128.1	4873.1	4546.7	3746.0	2797.1	2086.9	1620.7	1352.0	1209.4	1181.9
50°	5509.3	5448.9	5078.7	4593.3	3595.2	2533.9	1820.9	1379.4	1110.6	992.7	992.7
52.5°	5895.9	5758.8	5276.2	4598.8	3364.8	2243.2	1565.9	1143.5	932.4	828.2	806.2
55°	6307.3	6145.5	5454.4	4549.5	3126.2	1977.2	1291.6	951.6	765.1	691.1	671.9
57.5°	6765.2	6518.4	5583.3	4450.7	2824.6	1686.5	1077.7	784.3	644.4	584.1	575.9
60°	7226.0	6907.8	5660.1	4283.5	2503.7	1417.8	896.7	655.4	553.9	510.1	501.8
62.5°	7653.8	7226.0	5665.6	4039.4	2191.1	1181.9	734.9	564.9	490.9	458.0	458.0
65°	8024.0	7492.0	5572.3	3726.8	1793.5	948.8	606.0	477.2	427.8	392.1	383.9
67.5°	8205.0	7593.4	5407.8	3299.0	1437.0	751.4	510.1	414.1	367.5	312.6	307.1
70°	7949.9	7300.0	4985.5	2750.5	1110.6	597.8	425.1	353.8	307.1	260.5	255.0
72.5°	7135.5	6518.4	4302.7	2130.8	836.4	482.6	353.8	301.7	252.3	227.6	222.1
75°	5838.3	5421.5	3400.4	1467.1	584.1	378.4	296.2	255.0	213.9	202.9	200.2
77.5°	4431.6	4031.2	2484.5	918.7	400.4	296.2	252.3	216.6	186.5	194.7	189.2
80°	2958.9	2775.2	1650.9	521.0	268.7	216.6	192.0	159.1	142.6	164.5	159.1
82.5°	1343.7	1272.4	776.1	227.6	120.7	93.2	65.8	49.4	38.4	35.6	41.1
85°	224.9	197.4	54.8	24.7	13.7	8.2	5.5	5.5	2.7	2.7	2.7
87.5°	11.0	8.2	8.2	5.5	2.7	2.7	2.7	2.7	2.7	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

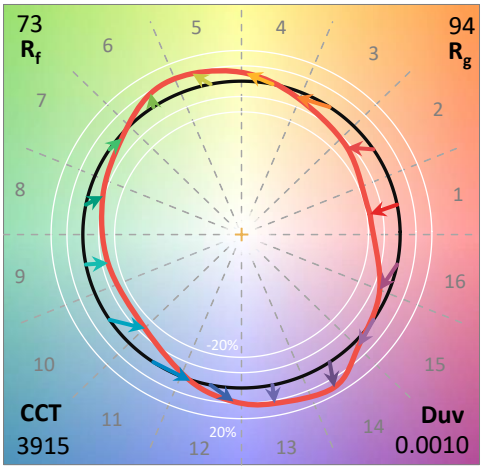
Report Generated By FNC07603 / LDUCLS01DT446
Version: v7.04

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

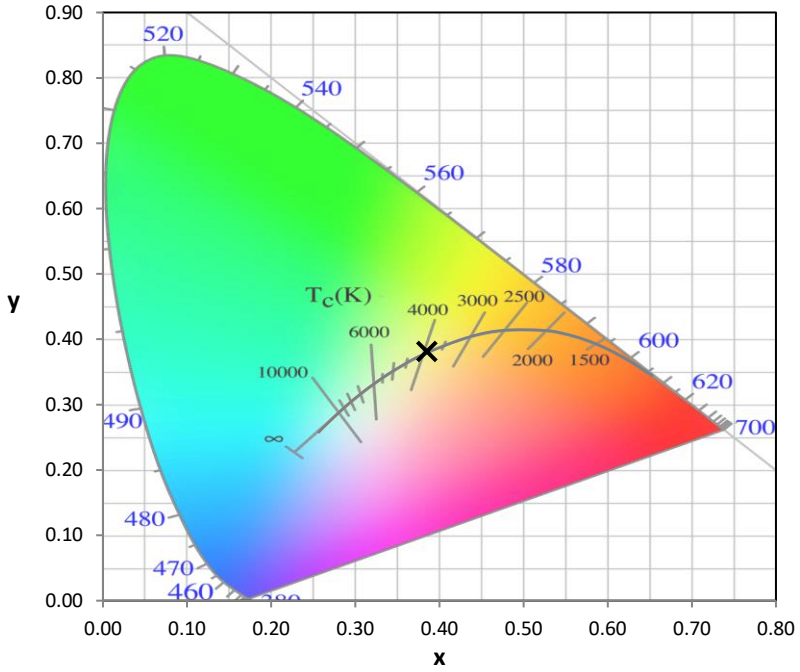
Stabilization Time:	21M
Operation Time:	1H 21M
Sphere Temperature (°C):	24.2

REPORT NUMBER: SP1-2407-157-5

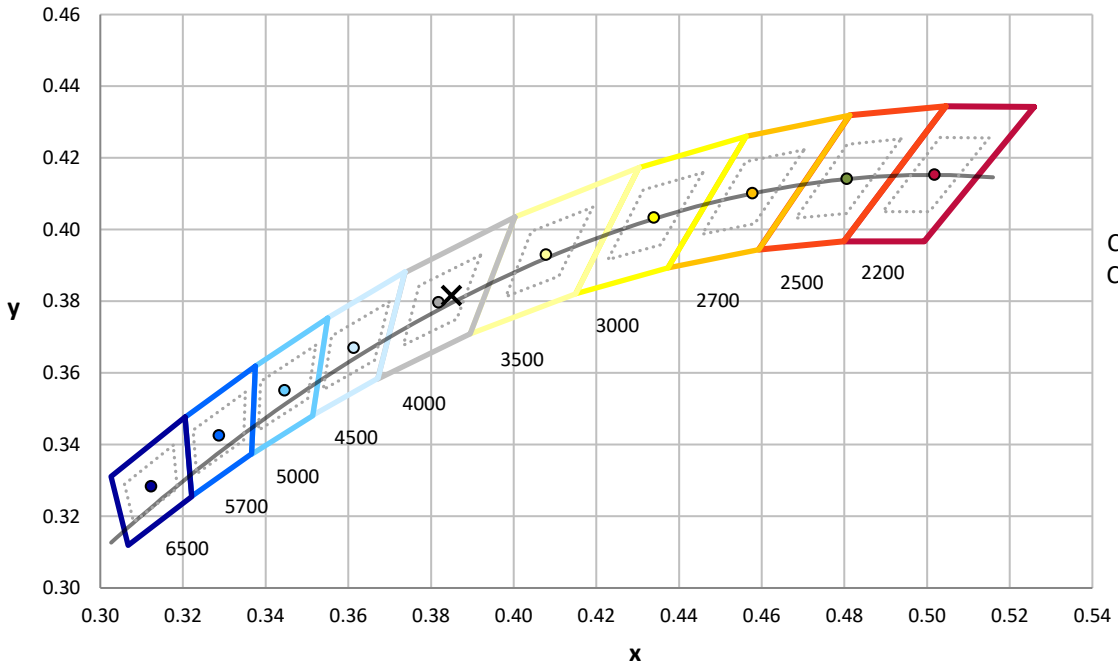
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

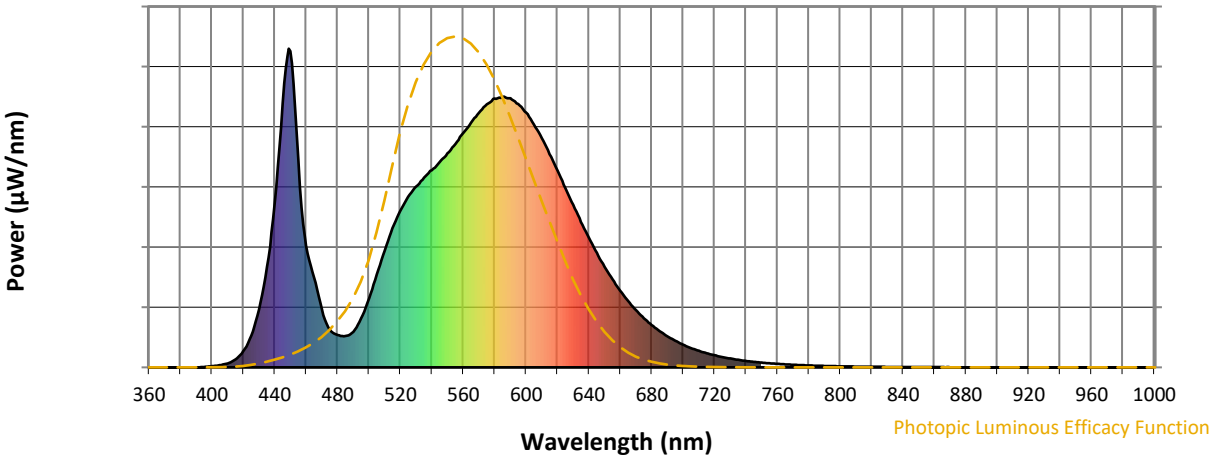


CCT = 3915K
CIE x = 0.3850
CIE y = 0.3816
Duv = 0.0010

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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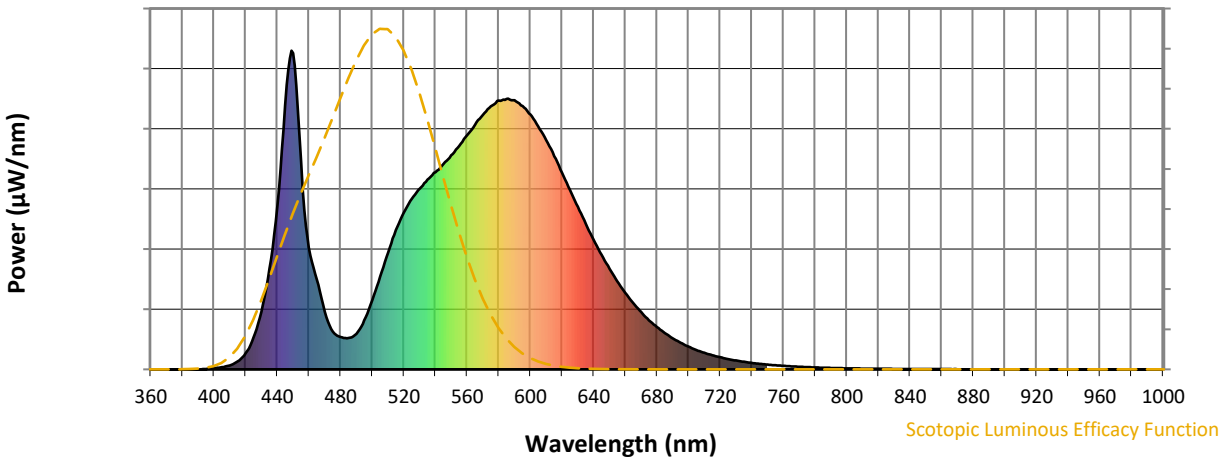
Scotopic Flux vs. Wavelength



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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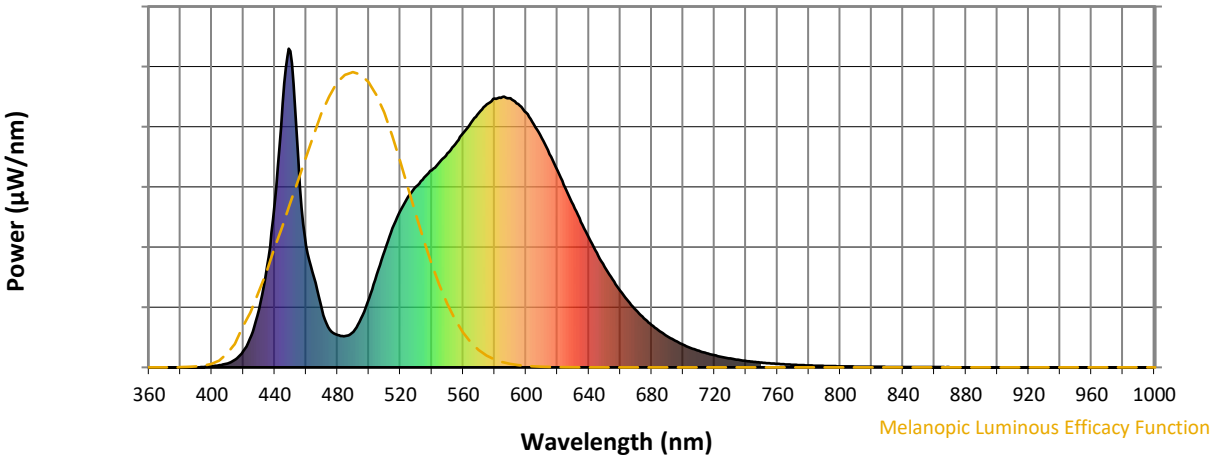
Melanopic Flux vs. Wavelength



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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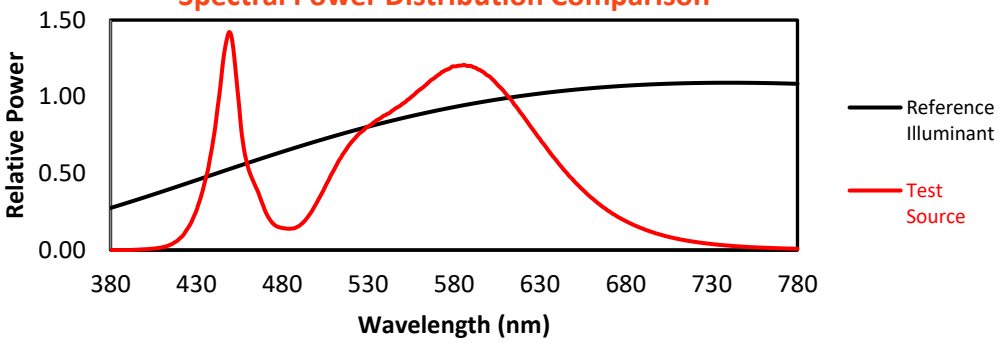
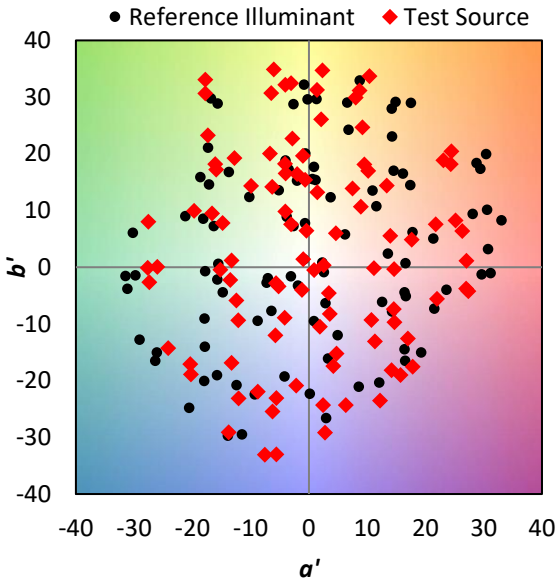
Summary

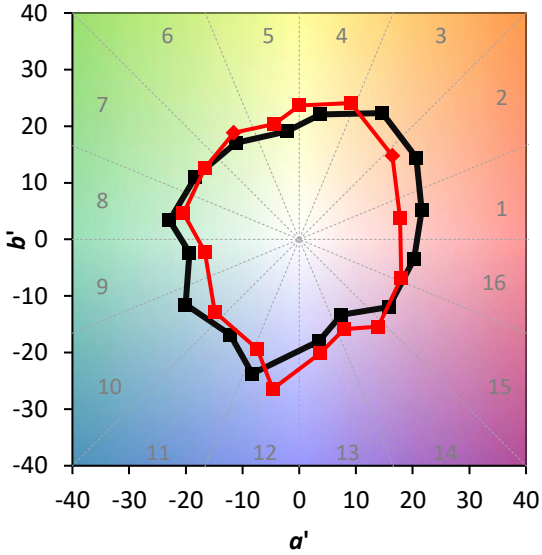
R_f = 73.2
R_g = 93.9
CIE R_a = 71.0
R_9 = -38.4

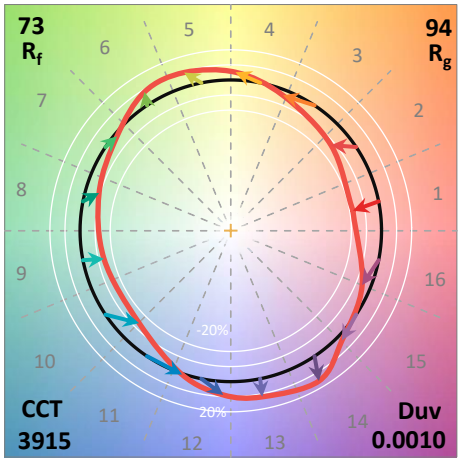
Spectral Power Distribution Comparison

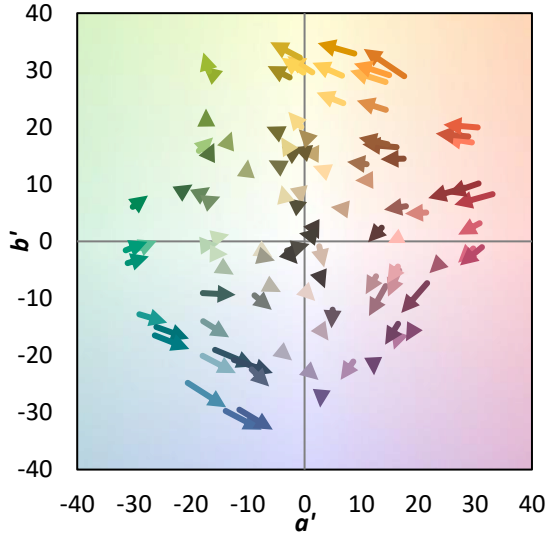


Color Vector Graphics









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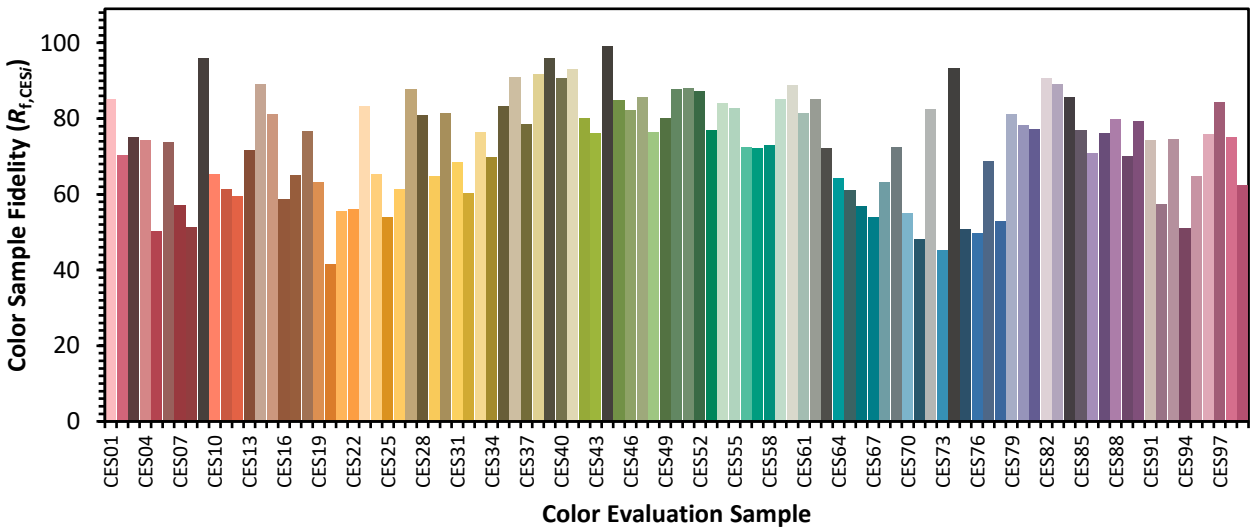
Individual Sample Fidelity Index ($R_{f,i}$)

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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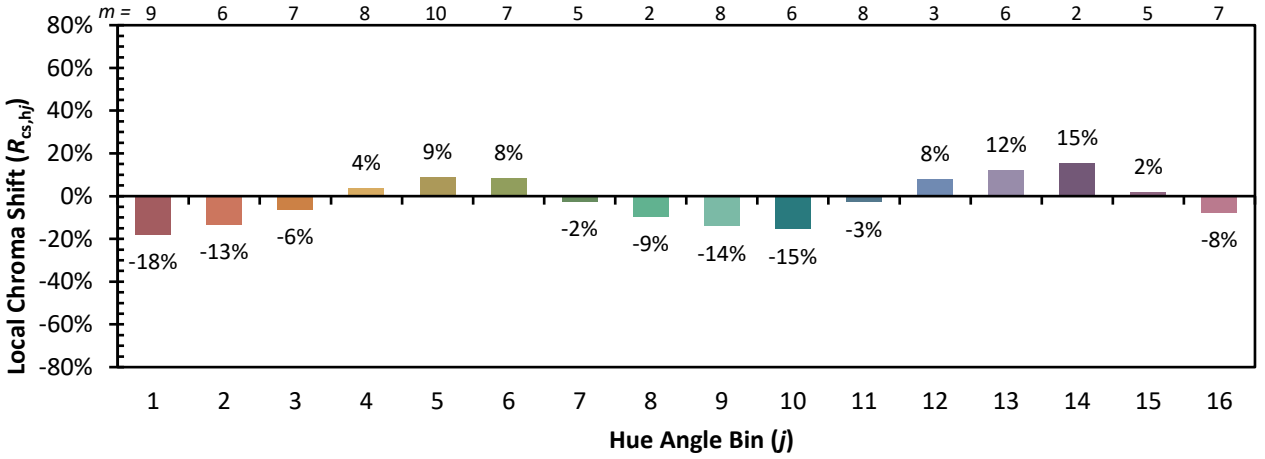
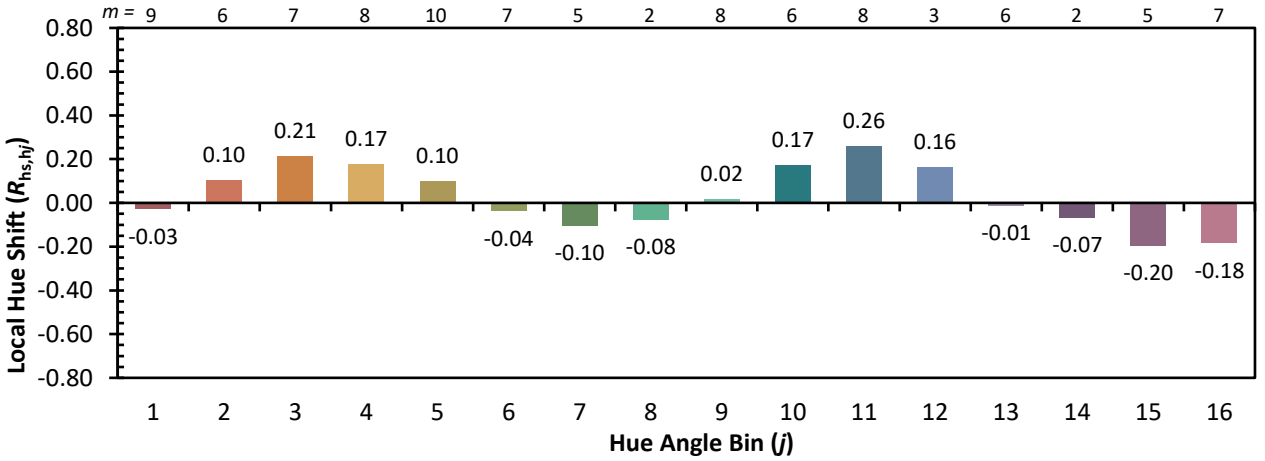
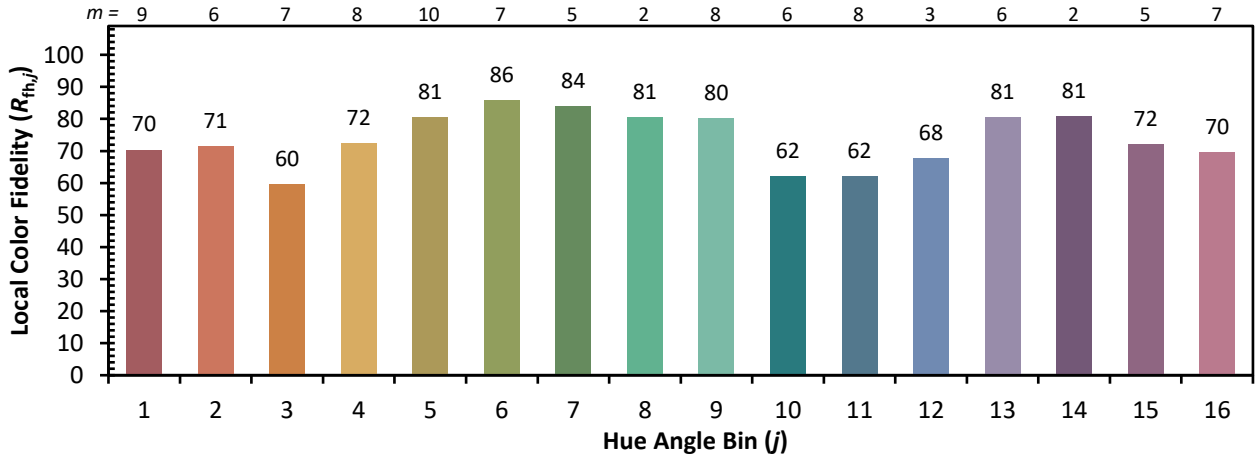
Color Rendition by Hue-Angle Bin







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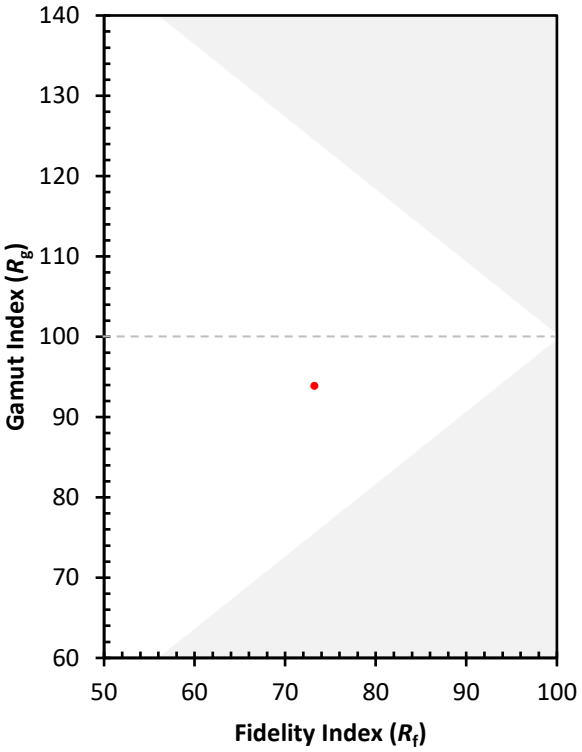
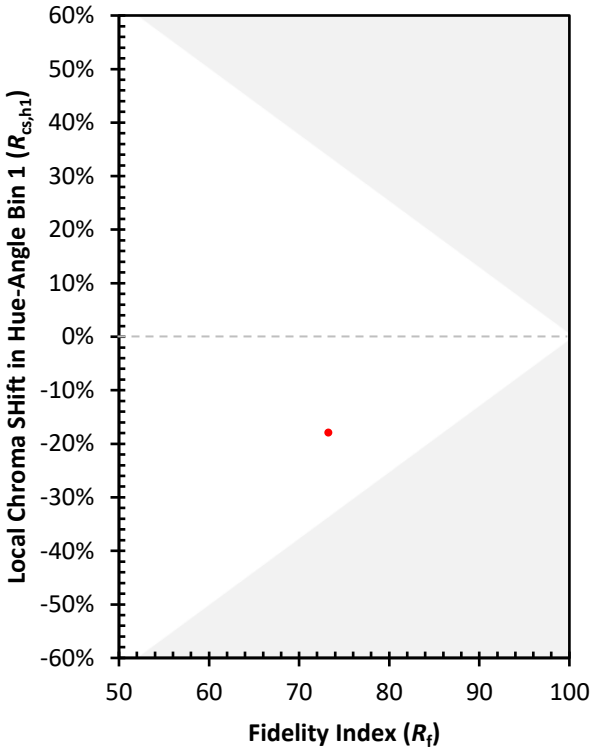
Measure Comparisons





(END OF REPORT)