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: P868542

Luminaire Tested: **EMM2-HTN-SA3B-740-U-T3**

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:	P868542
Test Lab:	INNOVATION CENTER(G3)
Issue Date:	08/22/2024
Manufacturer:	COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line:	INVUE
Catalog Number:	EMM2-HTN-SA3B-740-U-T3
Description:	EPIC MODERN TALL HOUSING DISCRETE LED ARRAYS 150W 70CRI 4000K FIXTURE w/ TYPE III DISTRIBUTION OPTIC
Light Source:	(30) 4000K CCT, 70 CRI LEDS
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	19140.5 lumens
Efficiency:	N/A
Efficacy:	142.8 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):	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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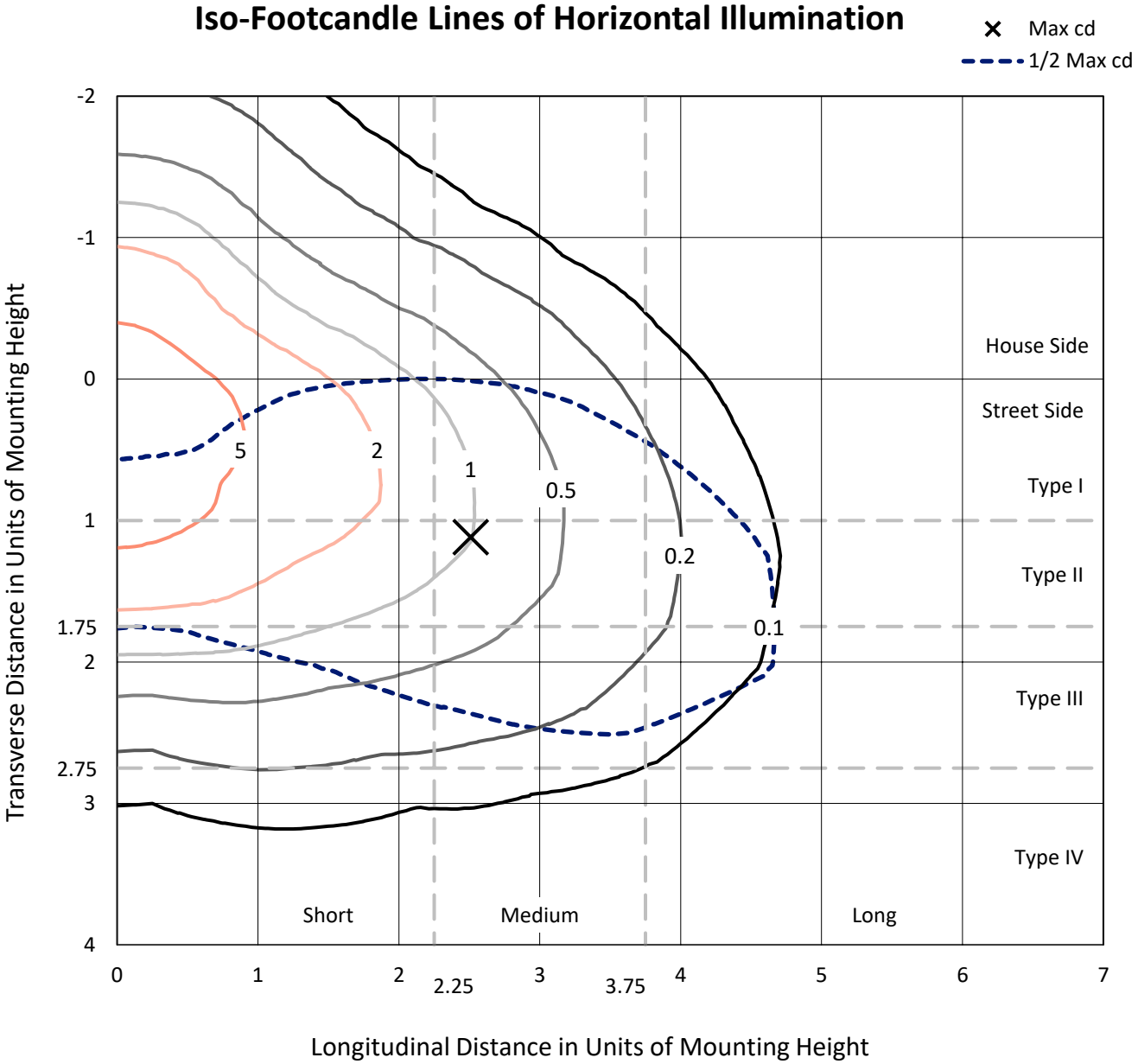
REPORT NUMBER: P868542
CATALOG NUMBER: EMM2-HTN-SA3B-740-U-T3

Iso-Footcandle Lines of Horizontal Illumination



Based on 20 foot mounting height. Maximum calculated value = 8.8 fc
Type III - Medium - N/A

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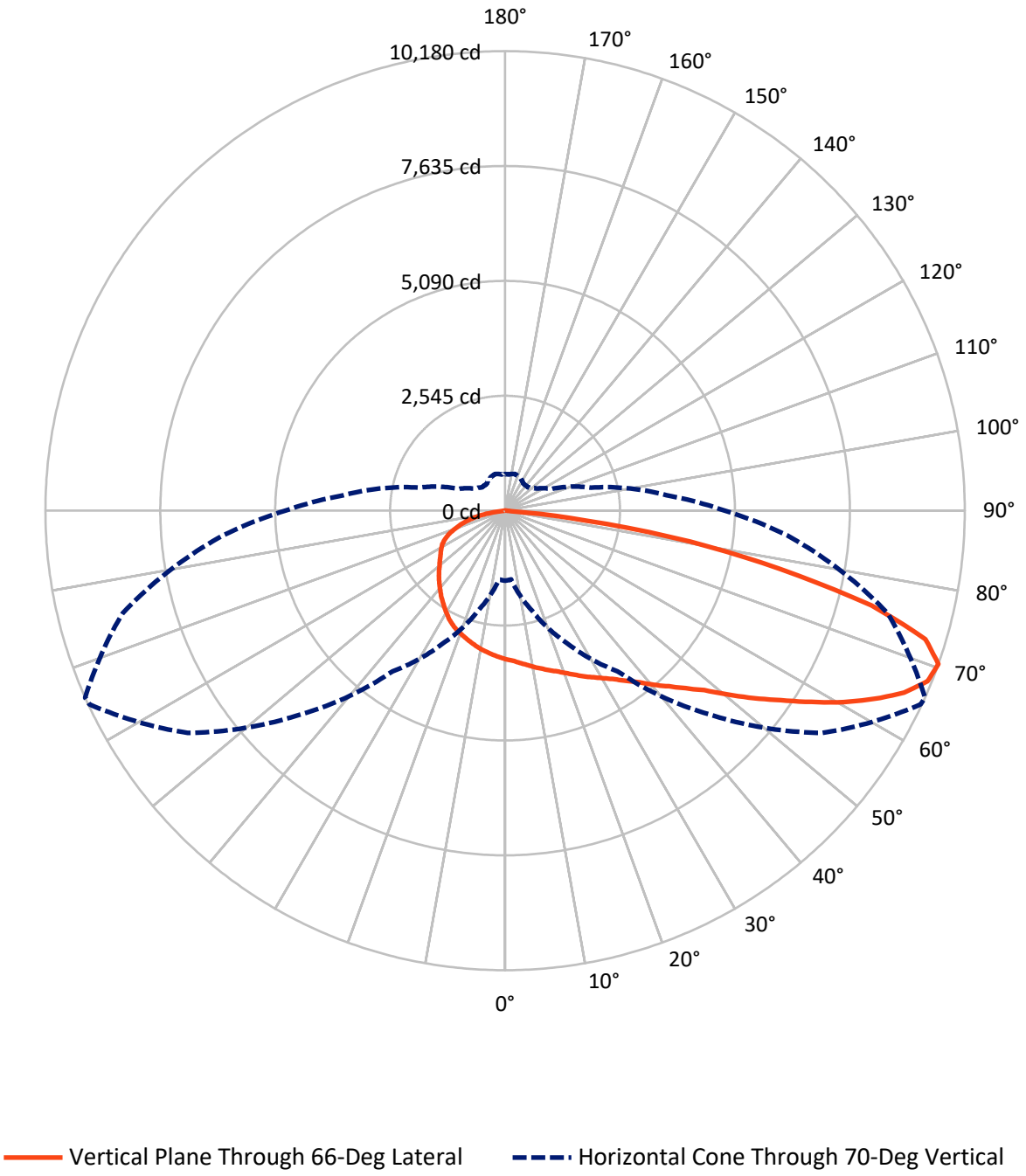
Luminous Intensity Polar Plot



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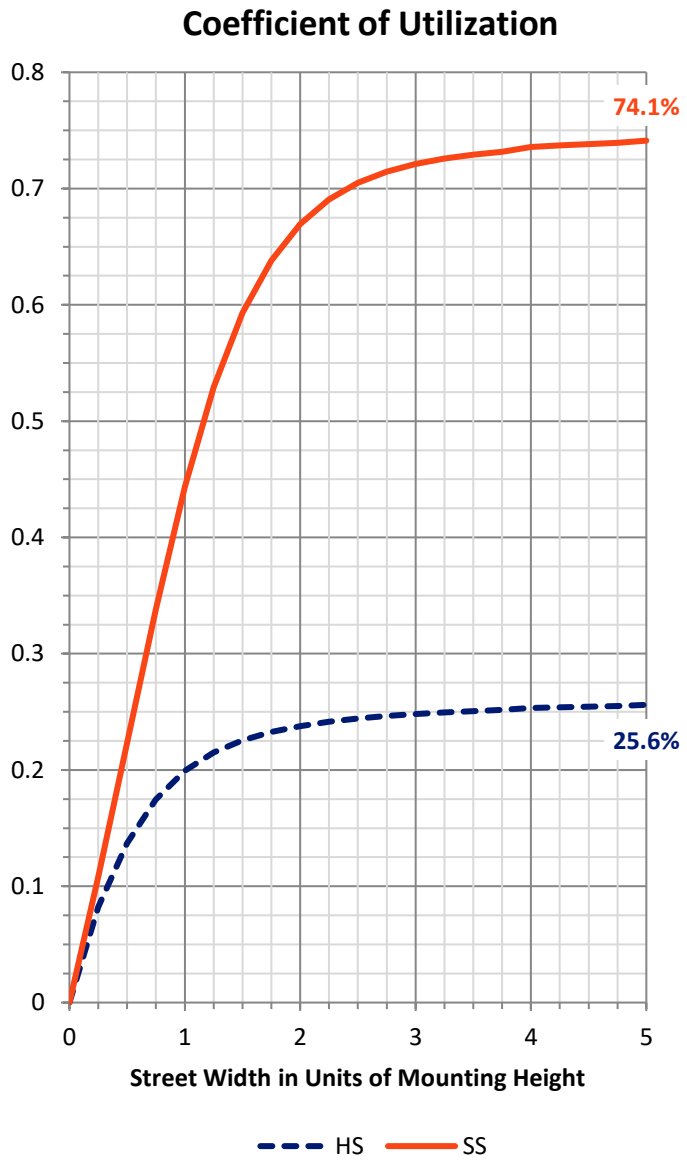
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4932.6	0.0	4932.6
	% Fixture	25.8	0.0	25.8
Street Side	Lumens	14207.9	0.0	14207.9
	% Fixture	74.2	0.0	74.2
Total	Lumens	19140.5	0.0	19140.5
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	315.2	1.6
10°-20°	938.7	4.9
20°-30°	1576.8	8.2
30°-40°	2375.5	12.4
40°-50°	3225.0	16.8
50°-60°	3832.3	20.0
60°-70°	3911.1	20.4
70°-80°	2616.0	13.7
80°-90°	350.0	1.8
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°	19140.5	100.0
0°-180°	19140.5	100.0



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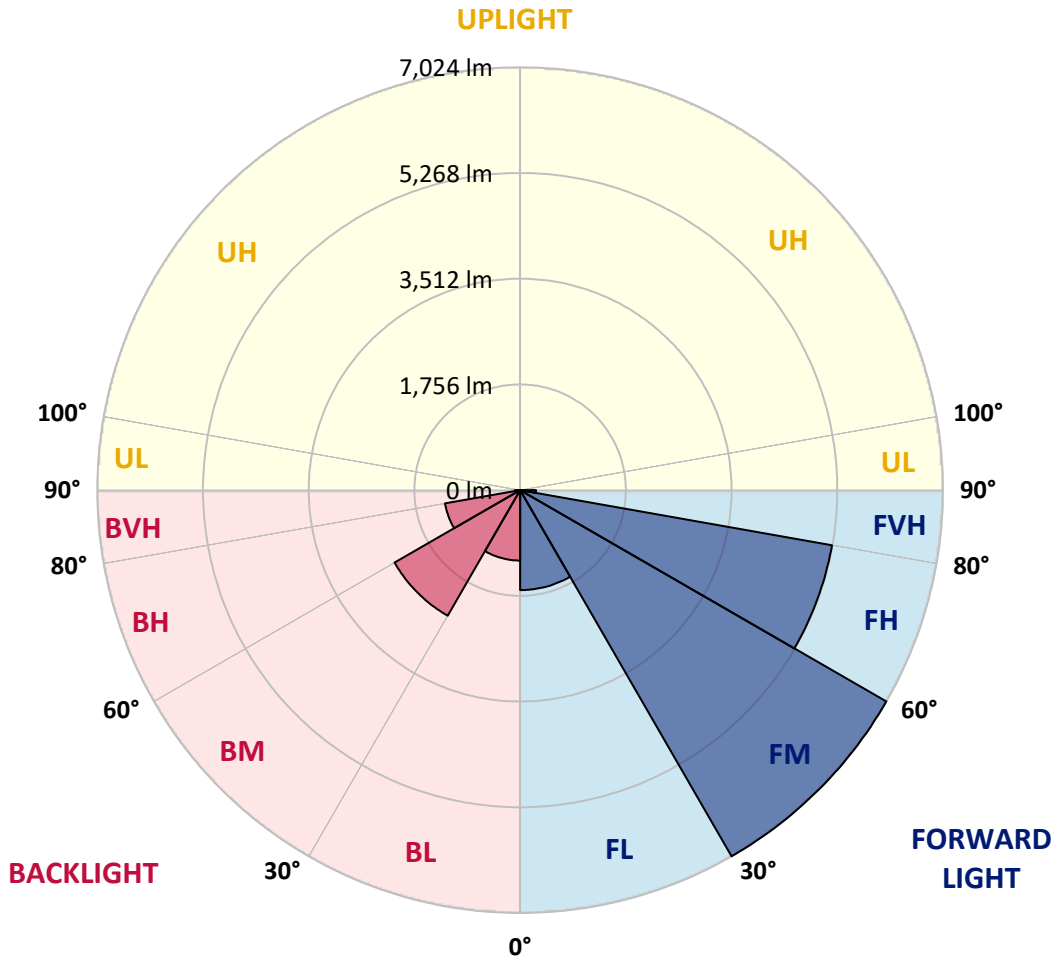
LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	1661.0	8.7			
FM	(30°-60°)	7024.2	36.7			
FH	(60°-80°)	5260.5	27.5			G3/7500
FVH	(80°-90°)	262.1	1.4			G3/500
BL	(0°-30°)	1169.6	6.1	B3/2500		
BM	(30°-60°)	2408.6	12.6	B2/2500		
BH	(60°-80°)	1266.6	6.6	B3/2500		G3/2500
BVH	(80°-90°)	87.8	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 III Medium



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REPORT NUMBER: P868542
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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	66°	75°	85°
0°	3293.2	3293.2	3293.2	3293.2	3293.2	3293.2	3293.2	3293.2	3293.2	3293.2	3293.2
2.5°	3411.1	3395.9	3384.5	3392.1	3369.3	3376.9	3350.3	3331.3	3327.5	3319.8	3312.2
5°	3517.6	3517.6	3498.6	3498.6	3472.0	3468.2	3430.1	3388.3	3388.3	3361.7	3331.3
7.5°	3631.7	3624.1	3601.3	3597.4	3567.0	3559.4	3517.6	3452.9	3449.1	3399.7	3354.1
10°	3711.5	3715.3	3700.1	3700.1	3677.3	3658.3	3597.4	3529.0	3521.4	3456.7	3384.5
12.5°	3772.4	3780.0	3776.2	3776.2	3757.2	3757.2	3688.7	3597.4	3589.8	3506.2	3403.5
15°	3837.0	3833.2	3844.6	3848.4	3840.8	3829.4	3780.0	3673.5	3669.7	3559.4	3430.1
17.5°	3894.1	3890.3	3894.1	3913.1	3916.9	3916.9	3867.4	3757.2	3742.0	3624.1	3452.9
20°	3928.3	3935.9	3951.1	3973.9	3985.3	4015.8	3973.9	3856.0	3840.8	3692.5	3502.4
22.5°	4057.6	4034.8	4046.2	4061.4	4076.6	4118.4	4080.4	3958.7	3947.3	3795.2	3559.4
25°	4278.2	4278.2	4251.5	4224.9	4205.9	4224.9	4194.5	4076.6	4069.0	3886.5	3624.1
27.5°	4662.2	4662.2	4605.2	4506.3	4380.8	4346.6	4323.8	4202.1	4179.3	3985.3	3665.9
30°	5149.0	5164.2	5061.5	4894.2	4662.2	4510.1	4453.1	4320.0	4308.6	4084.2	3730.5
32.5°	5670.0	5700.4	5624.3	5381.0	5000.7	4704.1	4612.8	4475.9	4449.3	4202.1	3814.2
35°	6137.7	6168.1	6065.5	5837.3	5350.5	4985.5	4802.9	4647.0	4631.8	4354.2	3939.7
37.5°	6518.0	6525.6	6461.0	6183.4	5643.4	5221.2	5038.7	4852.4	4822.0	4536.7	4072.8
40°	6921.1	6951.5	6886.9	6544.6	5909.6	5476.0	5274.5	5099.6	5072.9	4726.9	4198.3
42.5°	7343.2	7339.4	7339.4	6856.4	6175.7	5689.0	5529.3	5335.3	5320.1	4920.8	4335.2
45°	7601.8	7617.0	7575.2	7042.8	6567.4	5909.6	5776.5	5635.8	5609.1	5190.8	4513.9
47.5°	7666.4	7632.2	7442.1	7187.3	7008.6	6137.7	6088.3	6004.6	5943.8	5487.4	4734.5
50°	7579.0	7525.7	7415.5	7251.9	7172.1	6411.5	6403.9	6445.7	6403.9	5848.7	4989.3
52.5°	7251.9	7244.3	7225.3	7263.3	7134.1	6628.3	6761.4	6905.9	6898.3	6217.6	5255.5
55°	6563.6	6613.1	6841.2	7080.8	6989.5	6776.6	7160.7	7438.3	7407.9	6651.1	5529.3
57.5°	5860.1	5909.6	6202.4	6772.8	6848.8	6936.3	7609.4	8042.9	7993.5	7122.6	5780.3
60°	5247.9	5194.6	5487.4	6308.8	6651.1	7080.8	8054.3	8655.2	8613.3	7594.2	6038.8
62.5°	4278.2	4331.4	4799.1	5631.9	6373.5	7172.1	8419.4	9210.4	9183.8	8027.7	6248.0
65°	3384.5	3312.2	4015.8	4920.8	5894.3	7141.7	8735.0	9731.4	9712.4	8453.6	6407.7
67.5°	2300.7	2251.3	3179.1	4213.5	5244.1	6898.3	8807.3	10081.2	10088.8	8704.6	6449.5
70°	1551.5	1528.7	2285.5	3240.0	4342.8	6373.5	8582.9	10153.5	10180.1	8769.3	6263.2
72.5°	1144.6	1140.8	1673.2	2312.1	3232.4	5381.0	7970.7	9681.9	9731.4	8312.9	5715.6
75°	901.3	912.7	1194.1	1642.8	2156.2	3981.5	6704.3	8301.5	8377.6	7179.7	4745.9
77.5°	737.7	737.7	836.6	1178.9	1441.3	2471.8	4822.0	6076.9	6229.0	5540.7	3654.5
80°	597.0	608.4	619.9	821.4	954.5	1410.8	2806.5	4053.8	4164.1	3859.8	2639.1
82.5°	327.0	349.9	338.4	425.9	479.2	654.1	1114.2	1639.0	1806.3	1608.6	1197.9
85°	22.8	15.2	26.6	34.2	41.8	64.6	87.5	121.7	114.1	163.5	83.7
87.5°	3.8	3.8	3.8	7.6	7.6	11.4	15.2	15.2	15.2	15.2	15.2
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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Scaled Data Report

REPORT NUMBER: P868542
CATALOG NUMBER: EMM2-HTN-SA3B-740-U-T3

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	3293.2	3293.2	3293.2	3293.2	3293.2	3293.2	3293.2	3293.2	3293.2	3293.2	3293.2
2.5°	3308.4	3289.4	3259.0	3251.4	3240.0	3224.8	3209.6	3186.7	3179.1	3186.7	3194.4
5°	3312.2	3285.6	3236.2	3205.8	3175.3	3148.7	3118.3	3087.9	3068.9	3072.7	3087.9
7.5°	3323.6	3285.6	3209.6	3160.1	3110.7	3068.9	3019.4	2985.2	2962.4	2966.2	2977.6
10°	3338.9	3285.6	3194.4	3110.7	3042.2	2981.4	2932.0	2890.1	2867.3	2863.5	2867.3
12.5°	3342.7	3281.8	3160.1	3057.5	2973.8	2893.9	2840.7	2802.7	2779.8	2768.4	2776.0
15°	3354.1	3270.4	3125.9	3000.4	2897.7	2814.1	2749.4	2703.8	2688.6	2681.0	2677.2
17.5°	3369.3	3266.6	3095.5	2943.4	2821.7	2726.6	2669.6	2623.9	2604.9	2597.3	2604.9
20°	3392.1	3270.4	3061.3	2886.3	2753.2	2658.2	2593.5	2547.9	2532.7	2528.9	2525.1
22.5°	3422.5	3278.0	3034.6	2833.1	2677.2	2582.1	2517.5	2487.0	2475.6	2479.4	2479.4
25°	3452.9	3285.6	2996.6	2760.8	2597.3	2498.4	2452.8	2430.0	2437.6	2452.8	2452.8
27.5°	3479.6	3281.8	2943.4	2684.8	2502.2	2411.0	2376.8	2380.6	2399.6	2426.2	2430.0
30°	3513.8	3281.8	2886.3	2589.7	2395.8	2308.3	2300.7	2331.1	2361.5	2388.2	2388.2
32.5°	3567.0	3304.6	2840.7	2494.6	2285.5	2217.0	2251.3	2293.1	2327.3	2353.9	2361.5
35°	3658.3	3354.1	2810.3	2399.6	2179.0	2129.6	2194.2	2262.7	2285.5	2304.5	2308.3
37.5°	3745.8	3399.7	2772.2	2308.3	2068.7	2049.7	2137.2	2209.4	2213.2	2224.6	2224.6
40°	3829.4	3433.9	2722.8	2209.4	1962.2	1962.2	2064.9	2125.8	2118.2	2106.8	2110.6
42.5°	3920.7	3452.9	2665.8	2118.2	1874.8	1874.8	1958.4	2011.7	2007.9	2023.1	2034.5
45°	4031.0	3491.0	2589.7	2034.5	1783.5	1768.3	1836.8	1882.4	1939.4	2007.9	2026.9
47.5°	4183.1	3544.2	2528.9	1943.2	1707.5	1654.2	1680.8	1775.9	1840.6	1897.6	1905.2
50°	4342.8	3620.3	2475.6	1848.2	1616.2	1521.1	1543.9	1650.4	1688.4	1711.3	1722.7
52.5°	4513.9	3681.1	2430.0	1768.3	1521.1	1384.2	1414.6	1517.3	1543.9	1563.0	1566.8
55°	4662.2	3730.5	2372.9	1692.2	1418.4	1254.9	1293.0	1391.8	1418.4	1441.3	1441.3
57.5°	4818.1	3776.2	2334.9	1627.6	1308.2	1148.4	1175.1	1273.9	1312.0	1319.6	1331.0
60°	4947.4	3818.0	2300.7	1566.8	1205.5	1053.4	1072.4	1159.9	1205.5	1209.3	1216.9
62.5°	5038.7	3844.6	2281.7	1490.7	1102.8	958.3	973.5	1061.0	1114.2	1125.6	1129.4
65°	5095.8	3859.8	2247.5	1391.8	1015.3	878.4	878.4	965.9	1019.2	1045.8	1053.4
67.5°	5069.1	3833.2	2156.2	1277.7	935.5	798.6	794.8	882.2	927.9	943.1	946.9
70°	*4863.8*	*3677.3*	*1969.9*	*1137.0*	*851.8*	*726.3*	*718.7*	*798.6*	*840.4*	*806.2*	*810.0*
72.5°	4445.5	3323.6	1715.1	996.3	764.4	657.9	650.3	718.7	722.5	722.5	718.7
75°	3745.8	2715.2	1369.0	848.0	673.1	585.6	589.4	642.7	646.5	665.5	654.1
77.5°	2871.1	2011.7	1068.6	676.9	570.4	521.0	540.0	559.0	585.6	612.3	585.6
80°	2087.7	1388.0	741.5	505.8	441.1	441.1	448.7	467.7	505.8	532.4	505.8
82.5°	893.7	612.3	342.3	251.0	216.8	213.0	216.8	216.8	266.2	273.8	239.6
85°	68.5	57.0	41.8	41.8	34.2	19.0	19.0	15.2	11.4	11.4	11.4
87.5°	15.2	11.4	11.4	11.4	7.6	7.6	7.6	7.6	7.6	7.6	7.6
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

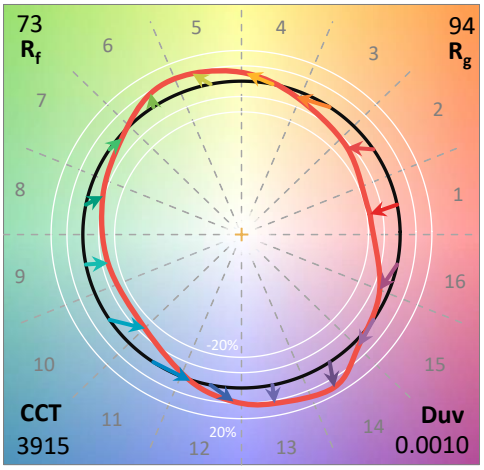
Report Generated By FNC07603 / LDUCLS01DT446
Version: v7.04

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

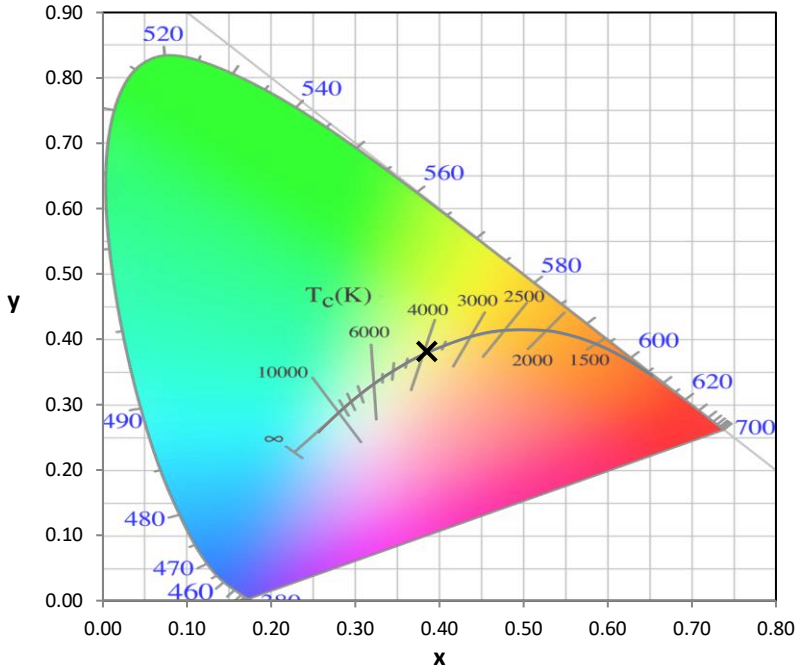
Stabilization Time:	21M
Operation Time:	1H 21M
Sphere Temperature (°C):	24.2

REPORT NUMBER: SP1-2407-157-5

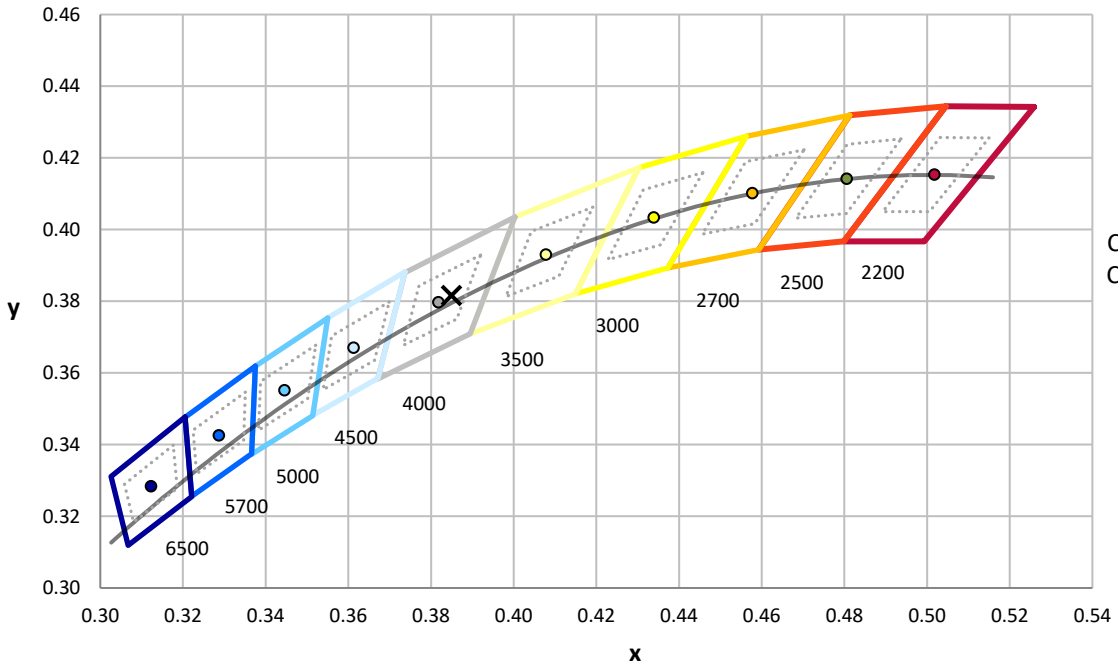
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

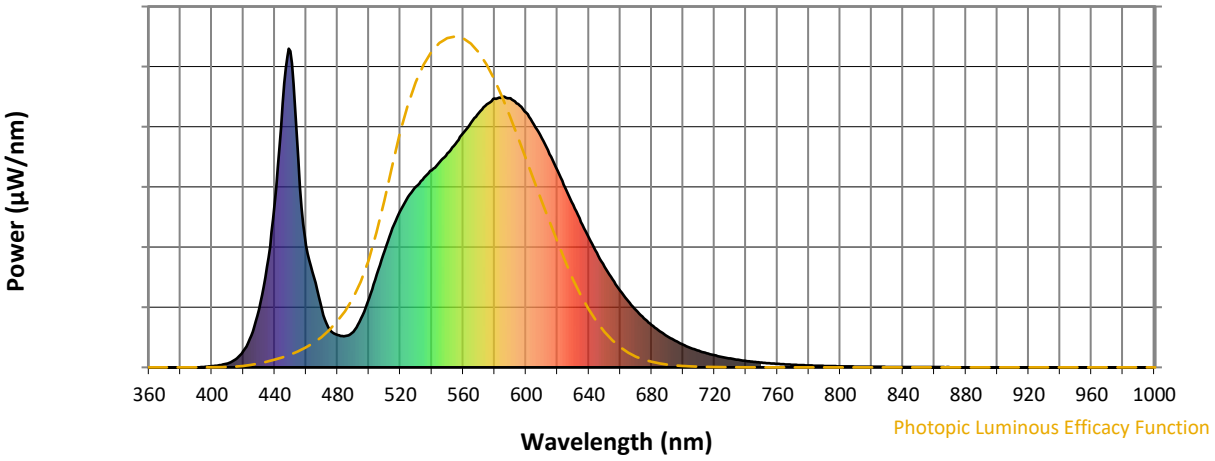


CCT = 3915K
CIE x = 0.3850
CIE y = 0.3816
Duv = 0.0010

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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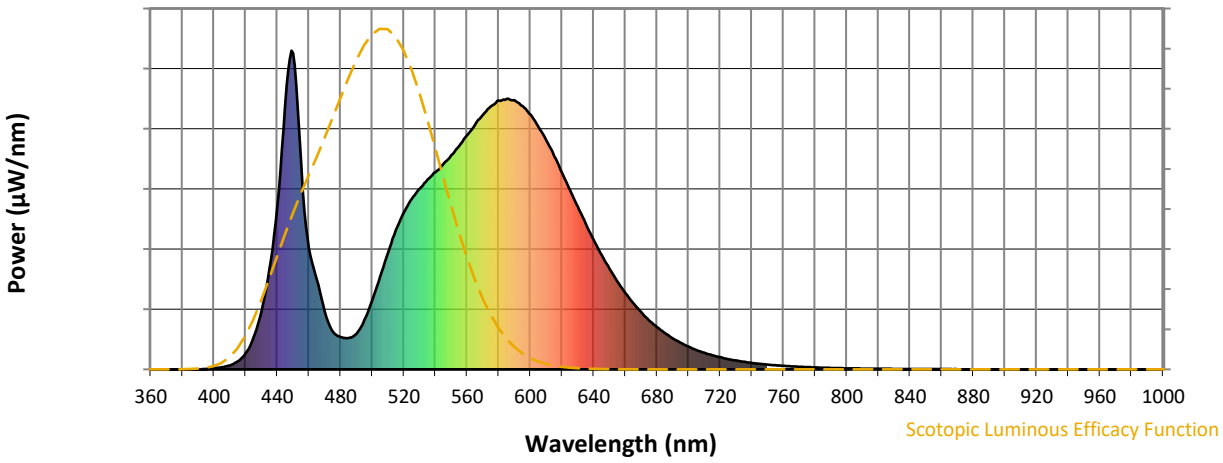
Scotopic Flux vs. Wavelength



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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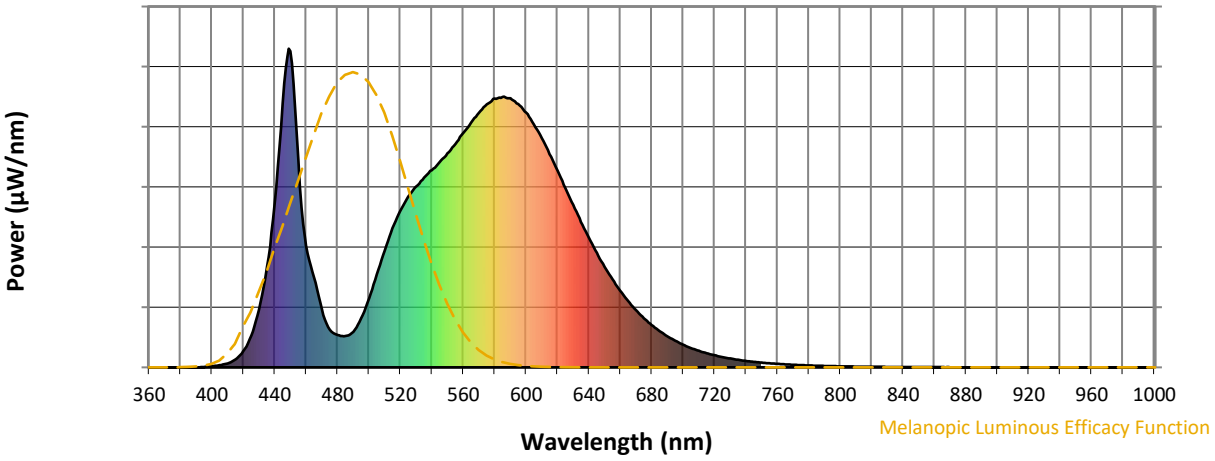
Melanopic Flux vs. Wavelength



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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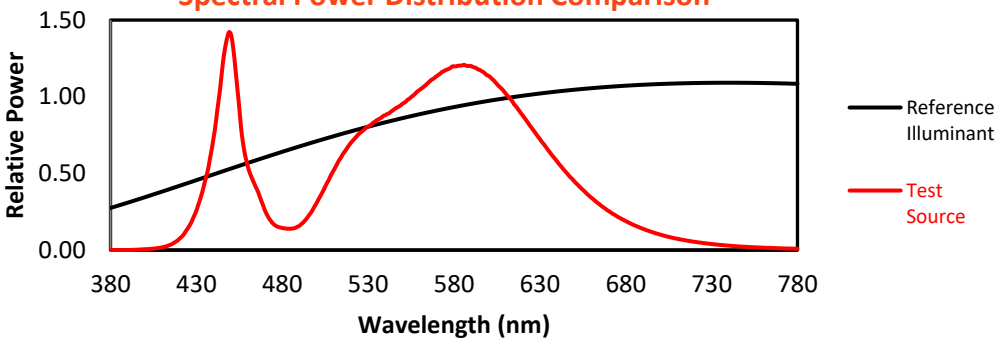
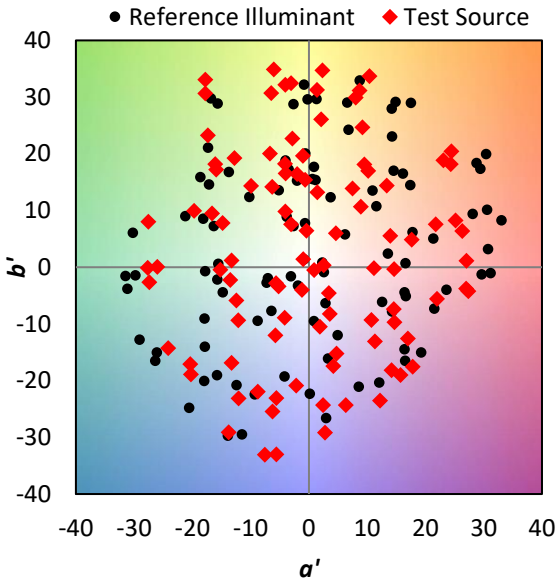
Summary

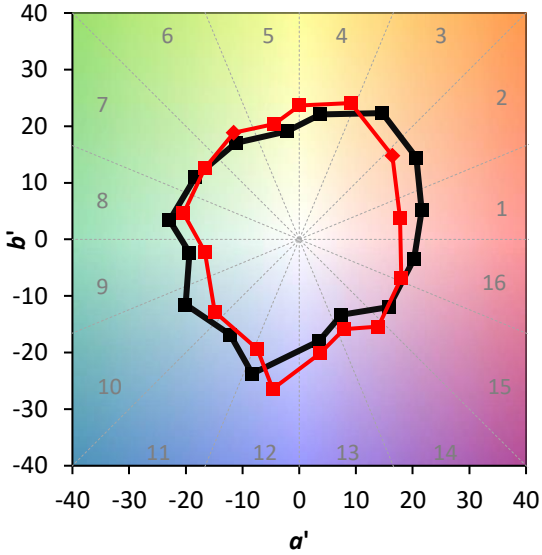
R_f = 73.2
R_g = 93.9
CIE R_a = 71.0
R_9 = -38.4

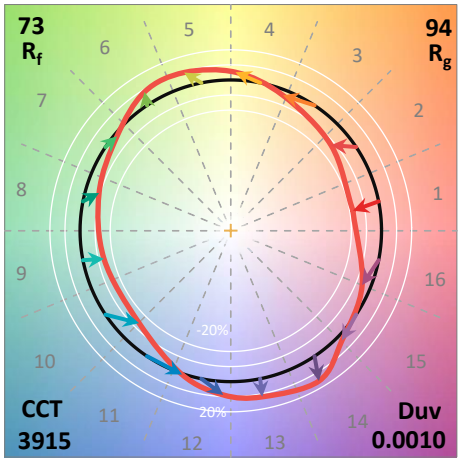
Spectral Power Distribution Comparison

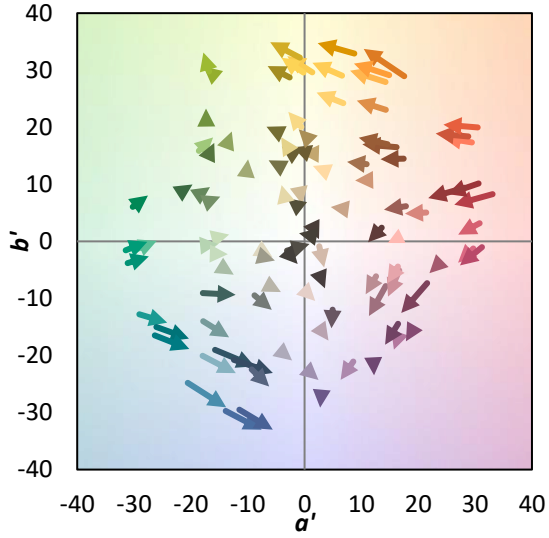


Color Vector Graphics









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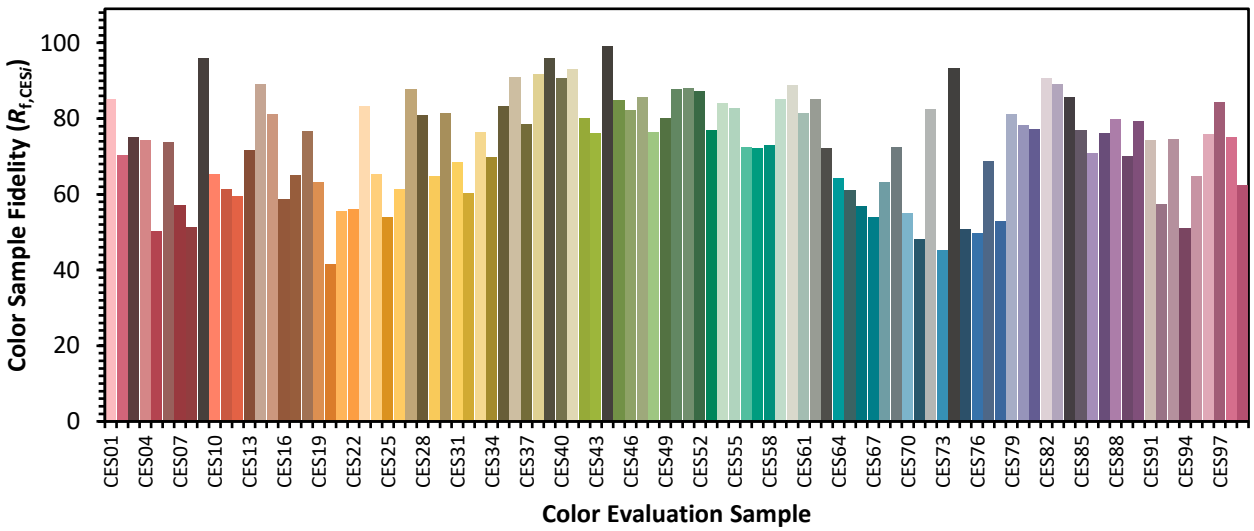
Individual Sample Fidelity Index ($R_{f,i}$)

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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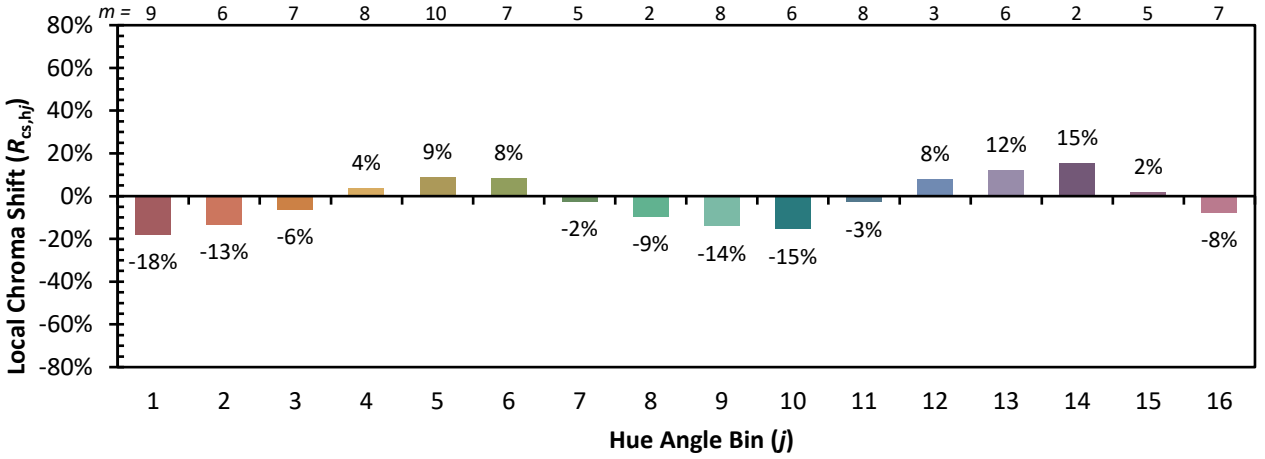
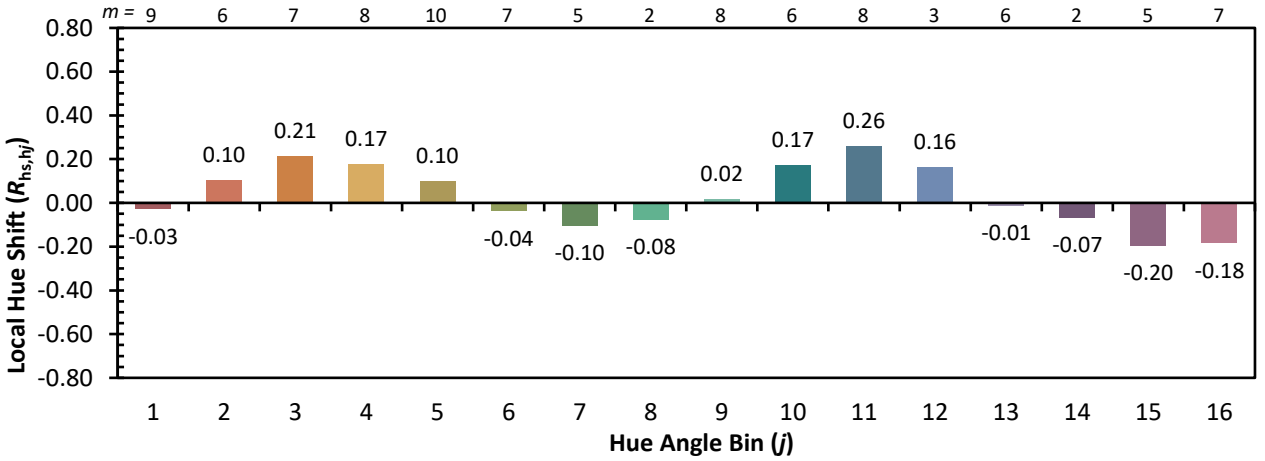
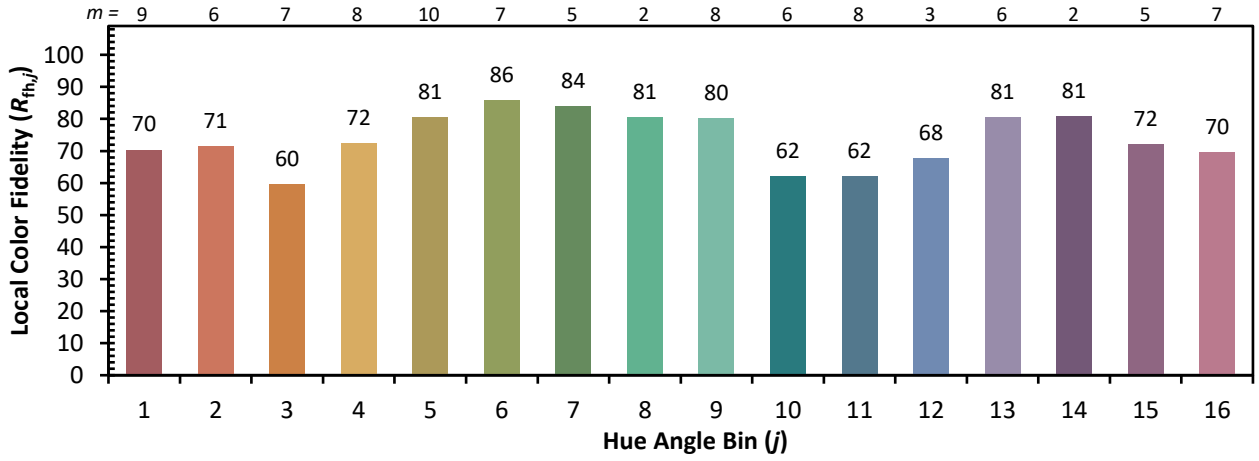
Color Rendition by Hue-Angle Bin







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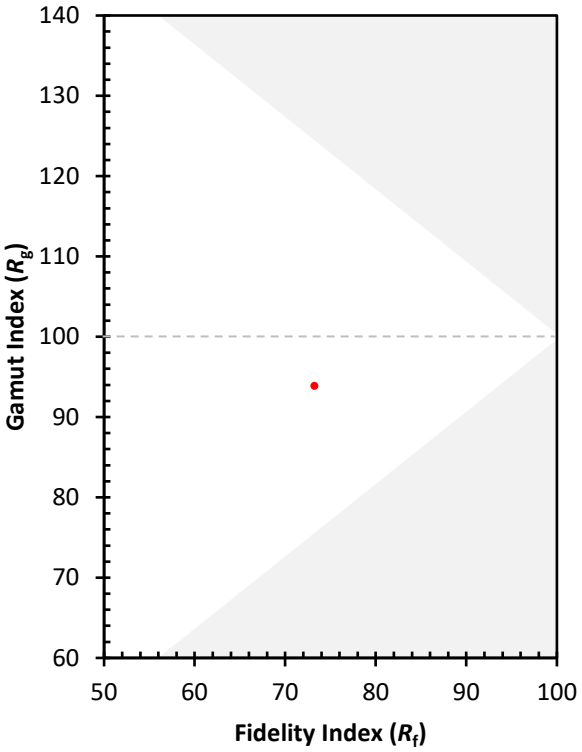
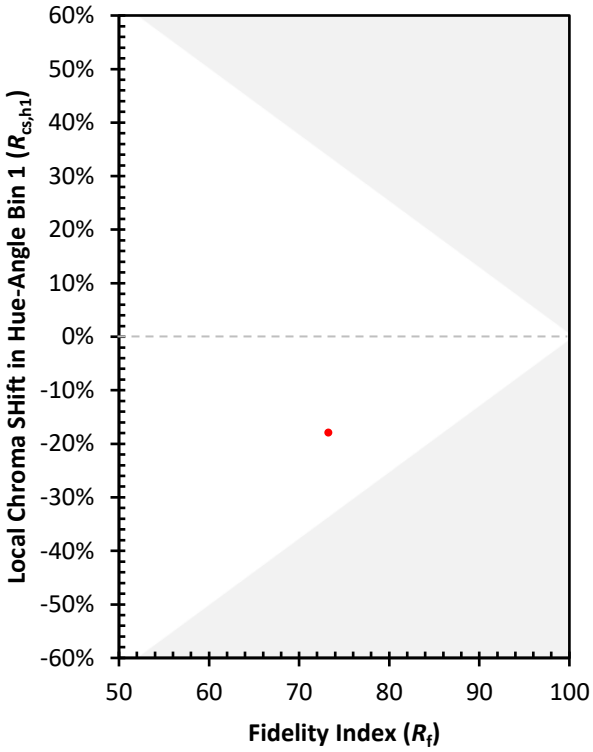
Measure Comparisons





(END OF REPORT)