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: P868479

Luminaire Tested: **EMM2-HTN-SA3B-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:	P868479
Test Lab:	INNOVATION CENTER(G3)
Issue Date:	08/22/2024
Manufacturer:	COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line:	INVUE
Catalog Number:	EMM2-HTN-SA3B-750-U-T2U
Description:	EPIC MODERN TALL HOUSING DISCRETE LED ARRAYS 150W 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:	18975.1 lumens
Efficiency:	N/A
Efficacy:	141.6 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):	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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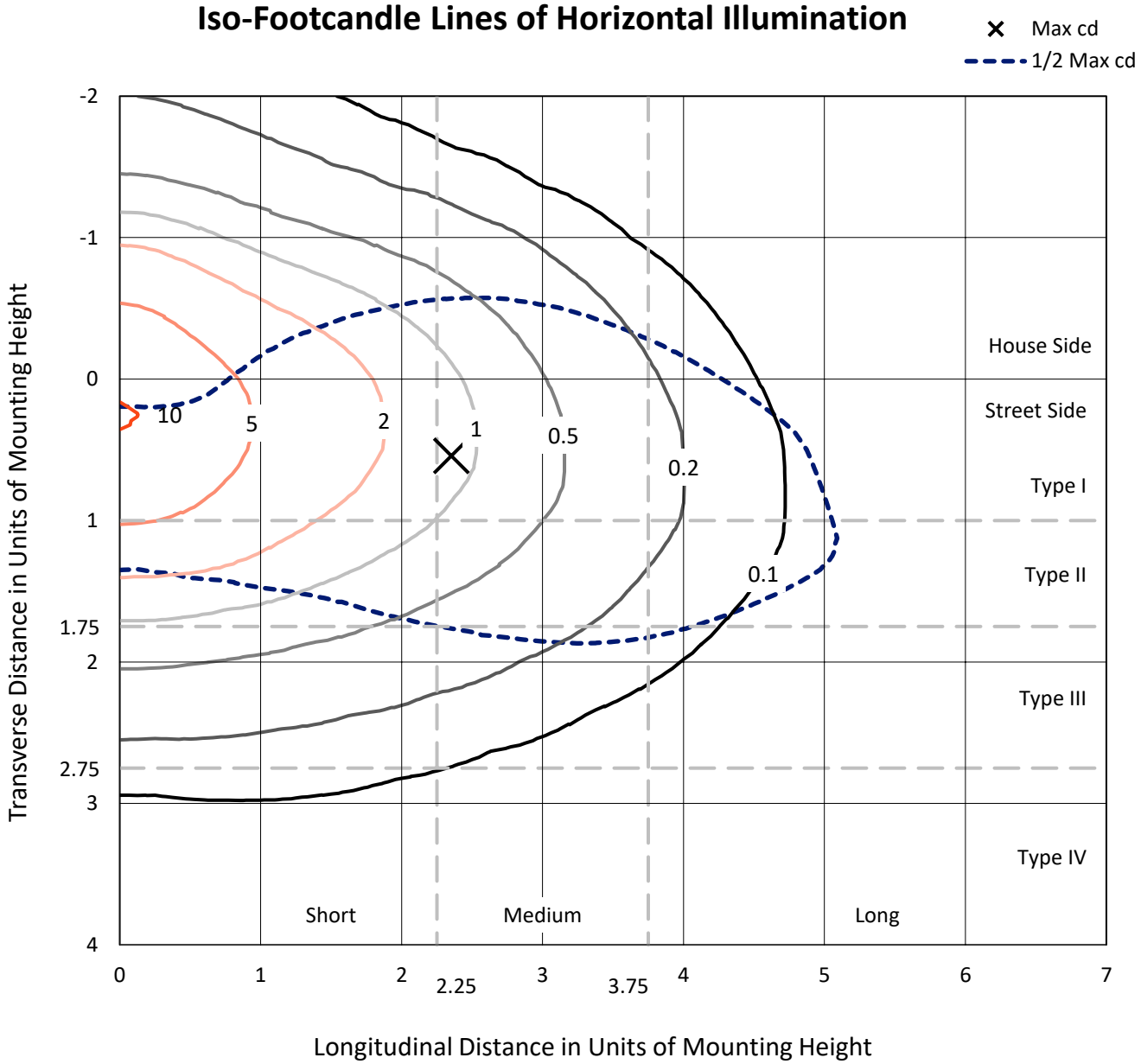
REPORT NUMBER: P868479
CATALOG NUMBER: EMM2-HTN-SA3B-750-U-T2U

Iso-Footcandle Lines of Horizontal Illumination



Based on 20 foot mounting height. Maximum calculated value = 10.2 fc
Type III - Medium - N/A

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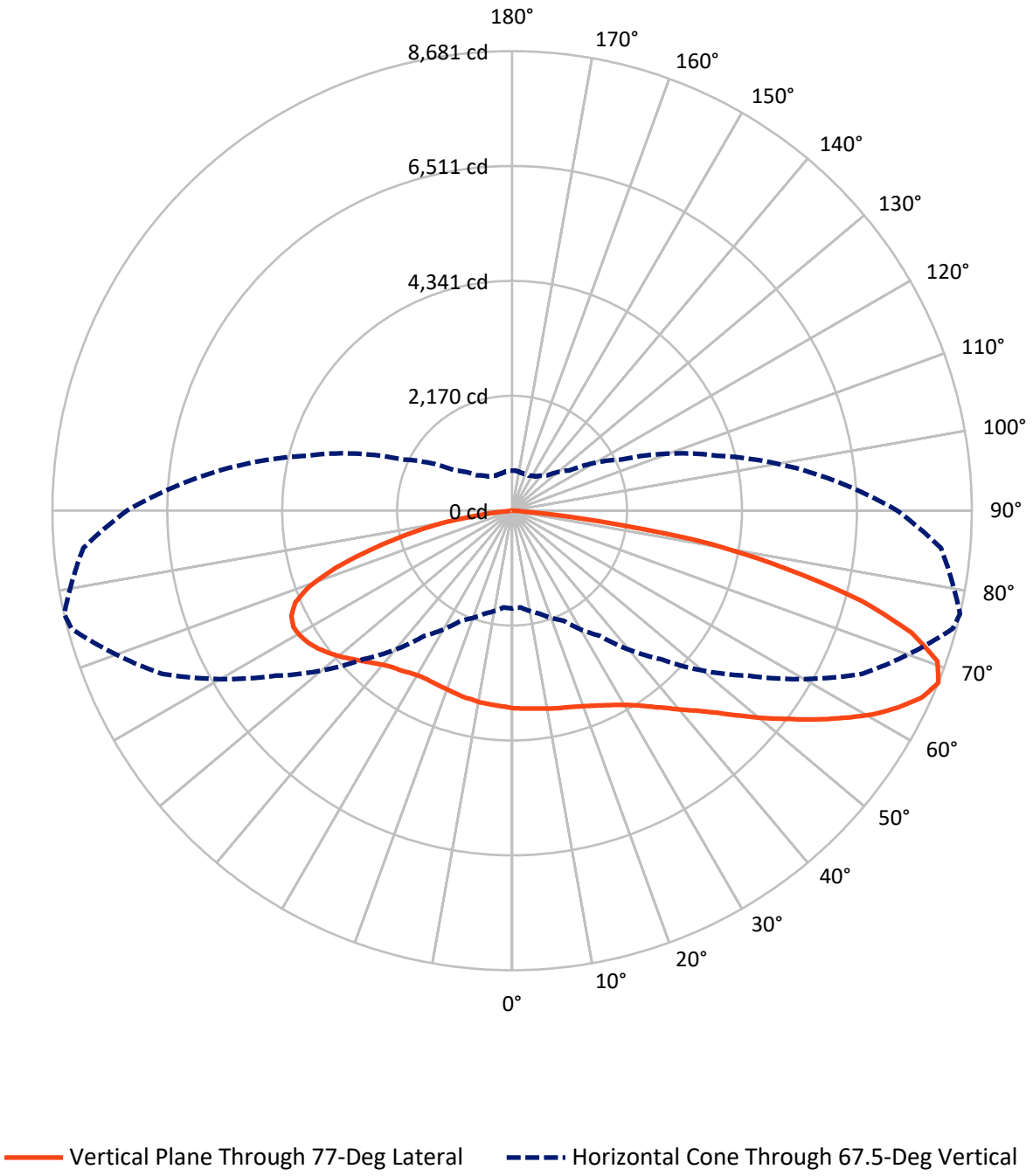
Luminous Intensity Polar Plot



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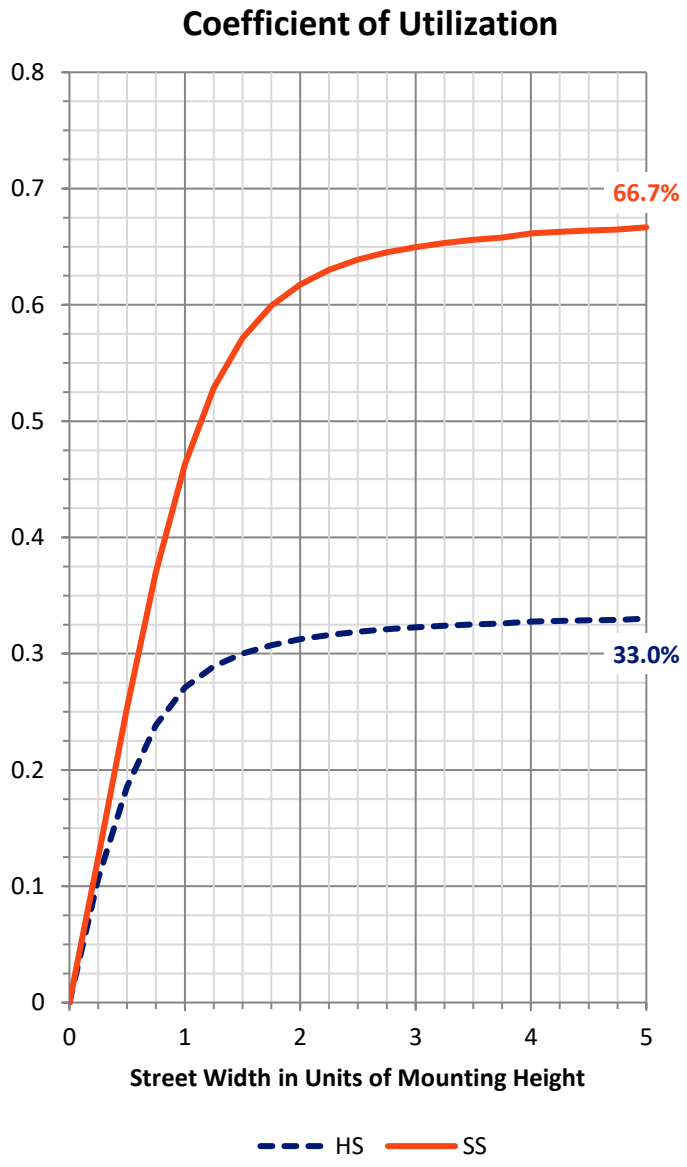
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	6309.9	0.0	6309.9
	% Fixture	33.3	0.0	33.3
Street Side	Lumens	12665.2	0.0	12665.2
	% Fixture	66.7	0.0	66.7
Total	Lumens	18975.1	0.0	18975.1
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	358.6	1.9
10°-20°	1087.5	5.7
20°-30°	1833.4	9.7
30°-40°	2601.7	13.7
40°-50°	3291.7	17.3
50°-60°	3605.9	19.0
60°-70°	3485.7	18.4
70°-80°	2344.3	12.4
80°-90°	366.4	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°	18975.1	100.0
0°-180°	18975.1	100.0



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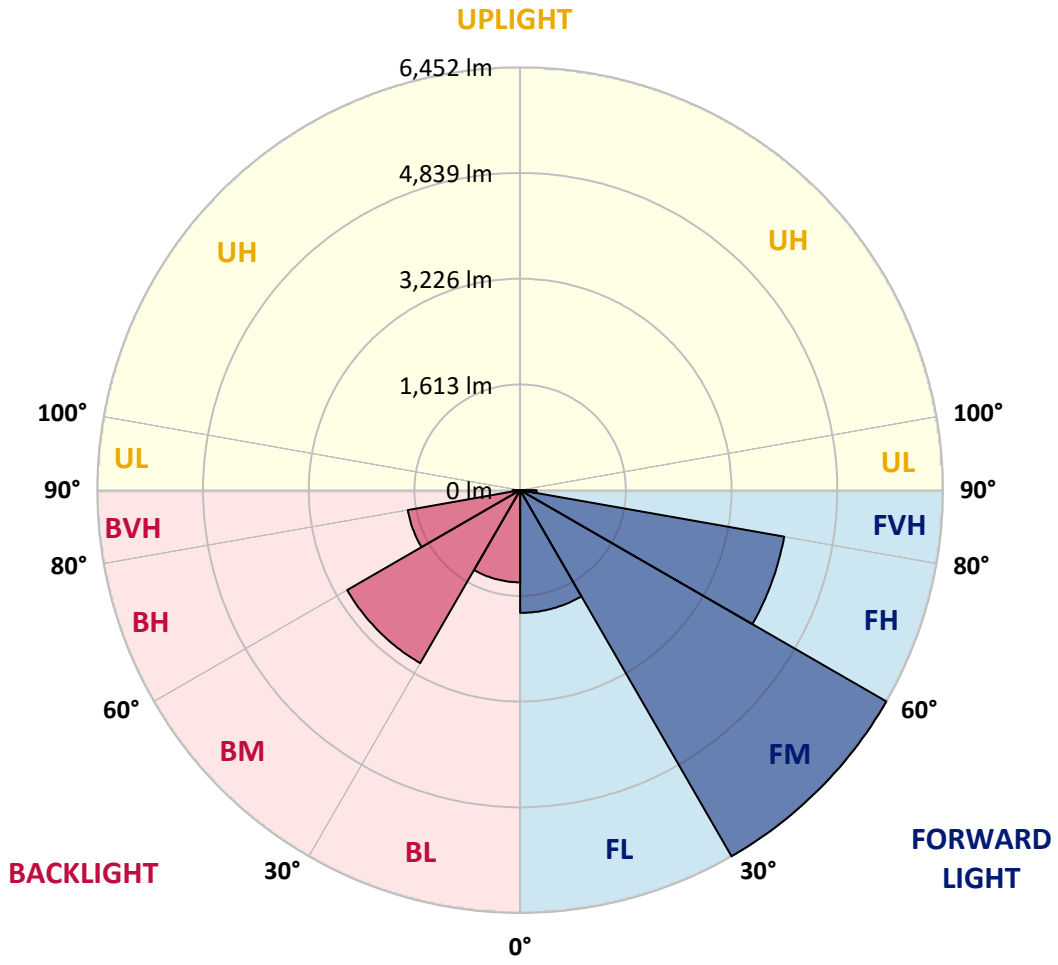
LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	1872.9	9.9			
FM	(30°-60°)	6451.7	34.0			
FH	(60°-80°)	4089.7	21.6			G2/5000
FVH	(80°-90°)	250.9	1.3			G3/500
BL	(0°-30°)	1406.6	7.4	B3/2500		
BM	(30°-60°)	3047.5	16.1	B3/5000		
BH	(60°-80°)	1740.3	9.2	B3/2500		G3/2500
BVH	(80°-90°)	115.5	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: P868479
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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	77°	85°
0°	3730.7	3730.7	3730.7	3730.7	3730.7	3730.7	3730.7	3730.7	3730.7	*3730.7*	3730.7
2.5°	3813.3	3809.5	3790.7	3798.3	3775.7	3790.7	3768.2	3749.5	3745.7	*3742.0*	3745.7
5°	3933.4	3914.6	3895.8	3884.6	3865.8	3858.3	3820.8	3783.2	3760.7	*3757.0*	3749.5
7.5°	4072.2	4064.7	4038.5	4023.4	3970.9	3944.6	3892.1	3824.5	3790.7	*3775.7*	3757.0
10°	4214.9	4233.6	4199.9	4169.8	4109.8	4053.5	3963.4	3877.1	3809.5	*3802.0*	3760.7
12.5°	4391.3	4387.5	4365.0	4312.4	4241.1	4162.3	4053.5	3933.4	3843.3	*3828.3*	3768.2
15°	4548.9	4545.1	4515.1	4466.3	4372.5	4274.9	4128.5	3989.7	3877.1	*3854.6*	3783.2
17.5°	4695.3	4687.8	4669.0	4616.5	4500.1	4380.0	4237.4	4053.5	3918.4	*3892.1*	3794.5
20°	4822.9	4830.4	4807.9	4755.3	4646.5	4518.9	4338.7	4136.0	3970.9	*3940.9*	3828.3
22.5°	4961.8	4965.5	4954.2	4935.5	4796.6	4661.5	4466.3	4229.9	4031.0	*4000.9*	3865.8
25°	5108.1	5111.9	5119.4	5108.1	4950.5	4804.1	4597.7	4346.2	4113.5	*4072.2*	3918.4
27.5°	5277.0	5280.8	5295.8	5273.3	5104.4	4950.5	4744.1	4470.1	4199.9	*4154.8*	3963.4
30°	5468.4	5483.5	5472.2	5464.7	5269.5	5119.4	4890.4	4597.7	4312.4	*4256.1*	4042.2
32.5°	5697.4	5693.6	5671.1	5648.6	5449.7	5292.0	5055.6	4762.8	4451.3	*4387.5*	4169.8
35°	5862.5	5862.5	5828.7	5817.5	5633.6	5468.4	5235.7	4946.7	4609.0	*4548.9*	4304.9
37.5°	5963.9	5978.9	5952.6	5960.1	5783.7	5629.8	5415.9	5134.4	4781.6	*4729.1*	4470.1
40°	6001.4	6038.9	6061.4	6091.5	5915.1	5783.7	5607.3	5337.1	5003.0	*4943.0*	4669.0
42.5°	6008.9	6065.2	6144.0	6207.8	6008.9	5900.1	5791.2	5543.5	5220.7	*5168.2*	4886.7
45°	5971.4	5945.1	6136.5	6144.0	6061.4	5993.9	5952.6	5791.2	5536.0	*5449.7*	5156.9
47.5°	5686.1	5656.1	5708.6	5948.9	5997.6	6035.2	6117.7	6080.2	5851.3	*5783.7*	5468.4
50°	5224.5	5209.5	5419.6	5678.6	5840.0	6031.4	6252.9	6358.0	6200.3	*6159.0*	5862.5
52.5°	4462.6	4421.3	4849.2	5352.1	5633.6	5993.9	6346.7	6643.2	6594.4	*6534.4*	6200.3
55°	3978.4	3978.4	4267.4	4894.2	5370.9	5858.8	6406.7	6943.5	7029.8	*6962.2*	6586.9
57.5°	3460.5	3501.8	3802.0	4233.6	4991.8	5611.1	6399.2	7194.9	7450.1	*7386.3*	6996.0
60°	3017.6	3051.4	3224.0	3659.4	4545.1	5284.5	6316.7	7401.3	7840.5	*7818.0*	7356.3
62.5°	2567.2	2608.5	2747.4	3156.5	3955.9	4909.2	6144.0	7513.9	8208.3	*8185.8*	7720.4
65°	2206.9	2210.6	2349.5	2691.1	3366.6	4455.1	5840.0	7491.4	8493.5	*8508.5*	8028.1
67.5°	*1846.6*	*1835.3*	*2015.5*	*2293.2*	*2886.2*	*3967.2*	*5434.7*	*7292.5*	*8613.6*	*8681.2*	*8129.5*
70°	1358.7	1373.7	1625.1	1932.9	2439.6	3404.2	4867.9	6905.9	8418.5	*8523.6*	7896.8
72.5°	1020.9	1050.9	1294.9	1613.9	2038.0	2841.2	4248.6	6234.1	7874.3	*7889.3*	7187.4
75°	829.5	837.0	1054.7	1339.9	1670.2	2278.2	3411.7	5205.7	6658.2	*6830.9*	6106.5
77.5°	705.6	698.1	803.2	1080.9	1347.4	1820.3	2571.0	3959.6	5228.2	*5307.0*	4781.6
80°	600.5	596.8	634.3	874.5	1054.7	1298.6	1760.3	2758.6	3730.7	*3817.0*	3396.7
82.5°	315.3	337.8	330.3	540.5	596.8	683.1	844.5	1253.6	1628.9	*1651.4*	1561.3
85°	15.0	15.0	15.0	22.5	37.5	60.1	116.3	116.3	127.6	*244.0*	277.7
87.5°	3.8	3.8	7.5	7.5	7.5	11.3	11.3	15.0	15.0	*15.0*	15.0
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: P868479
CATALOG NUMBER: EMM2-HTN-SA3B-750-U-T2U

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	3730.7	3730.7	3730.7	3730.7	3730.7	3730.7	3730.7	3730.7	3730.7	3730.7	3730.7
2.5°	3738.2	3723.2	3700.7	3704.4	3700.7	3700.7	3681.9	3666.9	3663.1	3670.6	3685.7
5°	3742.0	3719.4	3685.7	3674.4	3663.1	3655.6	3625.6	3603.1	3591.8	3599.3	3603.1
7.5°	3742.0	3708.2	3670.6	3648.1	3618.1	3595.6	3561.8	3531.8	3516.8	3520.5	3528.0
10°	3734.5	3696.9	3666.9	3621.9	3573.1	3546.8	3494.2	3456.7	3437.9	3441.7	3422.9
12.5°	3734.5	3693.2	3633.1	3591.8	3524.3	3468.0	3426.7	3385.4	3370.4	3355.4	3347.9
15°	3738.2	3685.7	3625.6	3539.3	3460.5	3400.4	3347.9	3321.6	3299.1	3291.6	3295.3
17.5°	3738.2	3685.7	3595.6	3494.2	3404.2	3329.1	3284.1	3254.0	3246.5	3239.0	3239.0
20°	3757.0	3689.4	3569.3	3449.2	3336.6	3257.8	3216.5	3197.7	3197.7	3186.5	3186.5
22.5°	3787.0	3696.9	3554.3	3411.7	3280.3	3194.0	3148.9	3126.4	3137.7	3130.2	3126.4
25°	3820.8	3723.2	3535.5	3359.1	3205.2	3115.2	3070.1	3055.1	3051.4	3032.6	3058.9
27.5°	3847.0	3742.0	3524.3	3306.6	3137.7	3032.6	2976.3	2950.0	2931.3	2938.8	2931.3
30°	3918.4	3794.5	3528.0	3261.5	3062.6	2935.0	2867.5	2837.4	2829.9	2829.9	2829.9
32.5°	4015.9	3862.1	3554.3	3242.8	2991.3	2841.2	2758.6	2728.6	2721.1	2706.1	2713.6
35°	4139.8	3963.4	3595.6	3212.8	2935.0	2732.3	2642.3	2601.0	2589.7	2574.7	2574.7
37.5°	4278.7	4064.7	3625.6	3197.7	2860.0	2619.7	2518.4	2465.9	2458.4	2443.3	2450.9
40°	4455.1	4203.6	3674.4	3167.7	2773.6	2518.4	2383.3	2297.0	2315.7	2323.2	2338.3
42.5°	4654.0	4380.0	3749.5	3137.7	2706.1	2413.3	2214.4	2128.1	2150.6	2143.1	2158.1
45°	4924.2	4586.4	3843.3	3126.4	2623.5	2285.7	2041.8	1944.2	1936.7	1925.4	1932.9
47.5°	5205.7	4834.1	3933.4	3103.9	2533.4	2128.1	1846.6	1722.7	1692.7	1677.7	1662.7
50°	5498.5	5081.9	4038.5	3088.9	2413.3	1951.7	1651.4	1508.8	1452.5	1433.7	1415.0
52.5°	5828.7	5348.3	4128.5	3051.4	2282.0	1767.8	1475.0	1313.6	1249.8	1212.3	1216.0
55°	6177.8	5592.3	4211.1	3006.3	2131.8	1595.1	1298.6	1163.5	1099.7	1088.4	1088.4
57.5°	6500.6	5843.8	4271.2	2927.5	1981.7	1426.2	1152.2	1035.9	1005.9	1020.9	1020.9
60°	6830.9	6046.4	4301.2	2841.2	1827.8	1283.6	1050.9	957.1	942.1	972.1	975.8
62.5°	7097.3	6207.8	4293.7	2721.1	1658.9	1159.7	953.3	878.3	885.8	938.3	949.6
65°	7288.7	6286.6	4199.9	2540.9	1497.5	1050.9	867.0	795.7	795.7	833.2	844.5
67.5°	*7273.7*	*6185.3*	*4012.2*	*2289.5*	*1324.9*	*942.1*	*788.2*	*731.9*	*731.9*	*758.1*	*754.4*
70°	6966.0	5836.3	3655.6	1985.5	1156.0	848.2	720.6	679.3	675.6	686.8	683.1
72.5°	6226.6	5126.9	3100.2	1640.2	998.4	754.4	653.1	615.5	608.0	593.0	581.7
75°	5138.2	4211.1	2420.8	1306.1	844.5	664.3	589.3	555.5	525.5	544.2	533.0
77.5°	3985.9	3231.5	1801.5	1013.4	686.8	578.0	525.5	487.9	480.4	548.0	525.5
80°	2908.7	2233.2	1272.3	724.4	533.0	469.2	439.1	409.1	517.9	694.3	690.6
82.5°	1291.1	1077.2	581.7	345.3	247.7	206.4	172.6	195.2	326.5	319.0	330.3
85°	116.3	120.1	63.8	41.3	26.3	22.5	15.0	15.0	11.3	11.3	11.3
87.5°	15.0	15.0	11.3	11.3	7.5	7.5	7.5	7.5	3.8	3.8	3.8
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

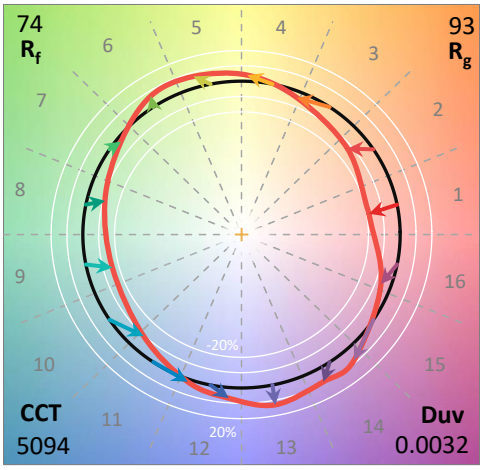
Report Generated By FNC07603 / LDUCLS01DT446
Version: v7.04

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

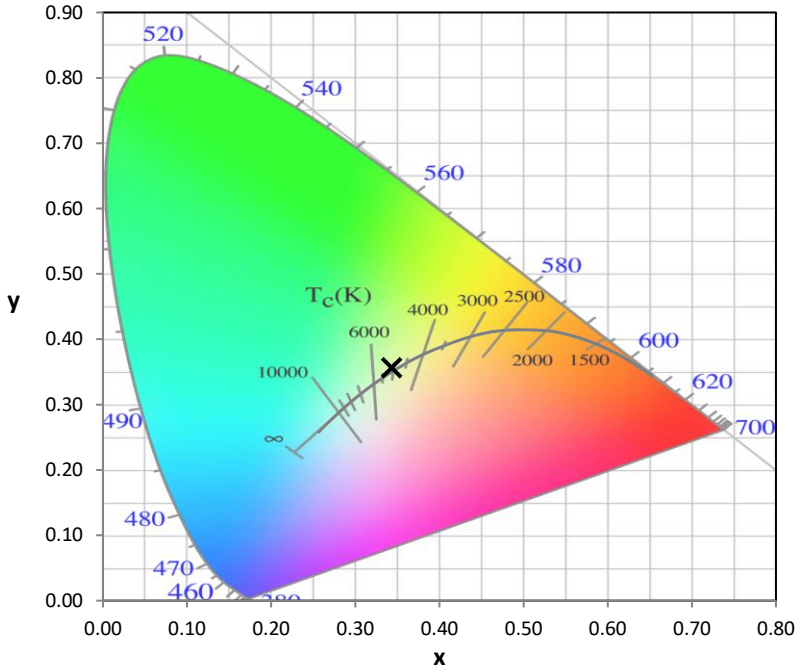
Stabilization Time:	20M
Operation Time:	1H 20M
Sphere Temperature (°C):	24.2

REPORT NUMBER: SP1-2407-157-6

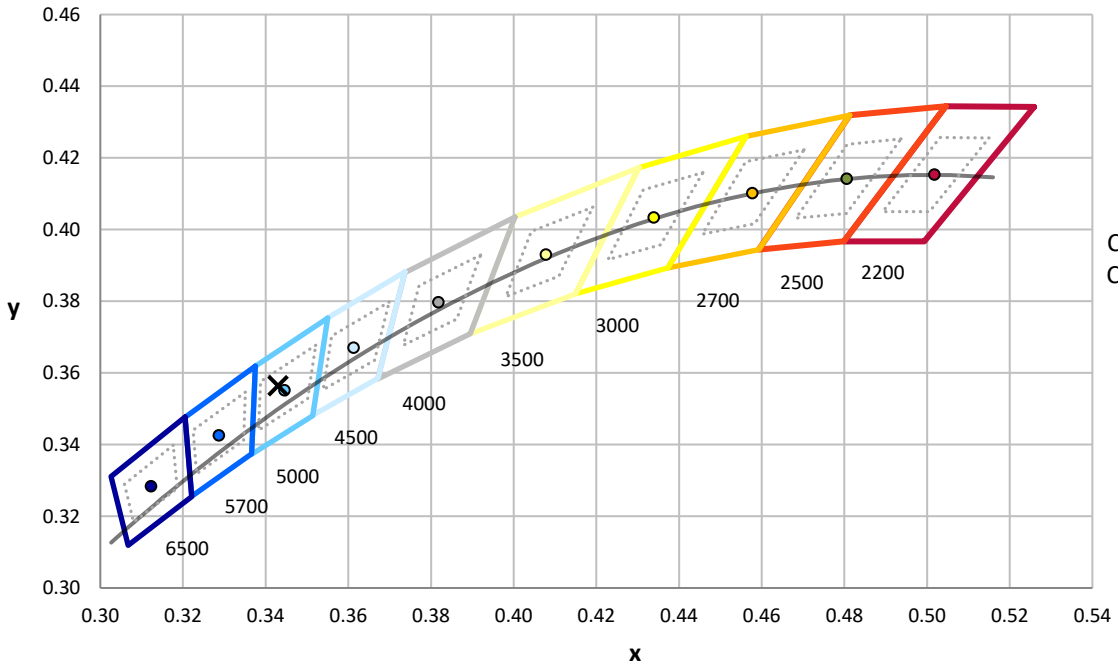
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

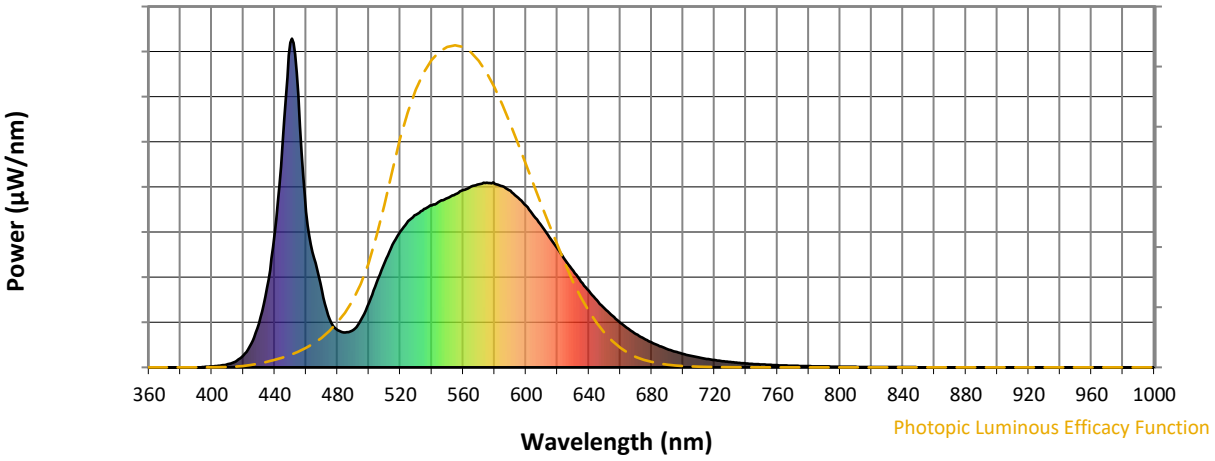


CCT = 5094K
CIE x = 0.3430
CIE y = 0.3564
Duv = 0.0032

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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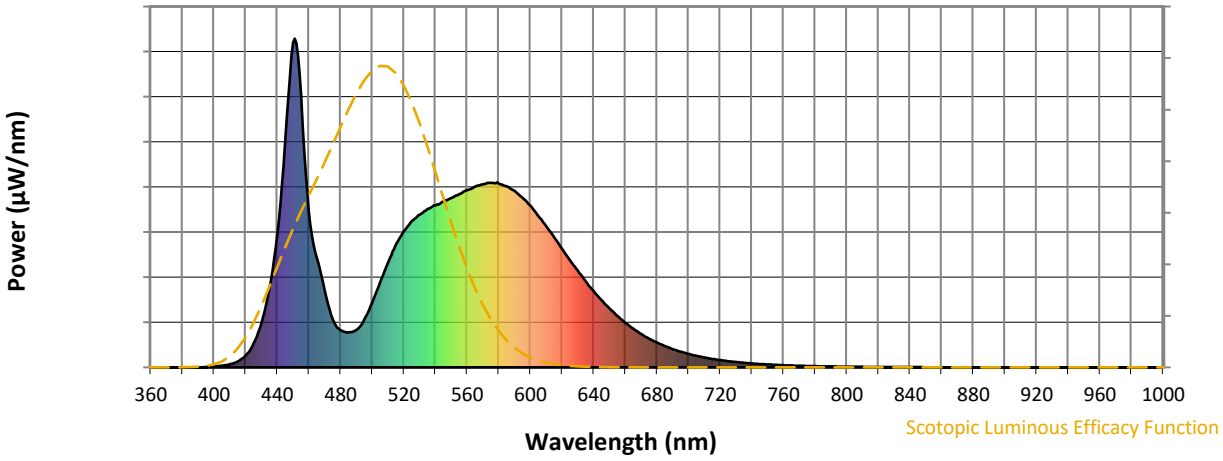
Scotopic Flux vs. Wavelength



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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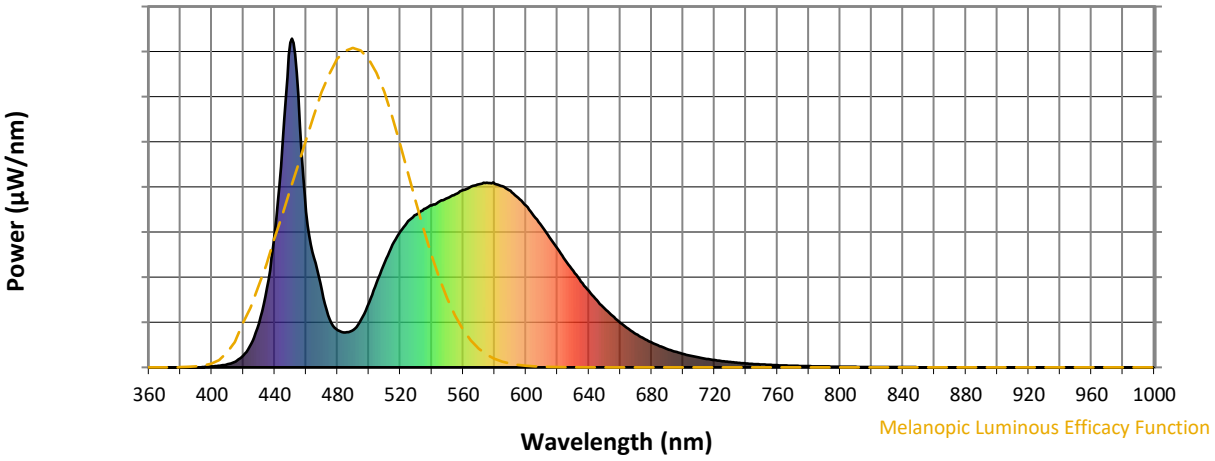
Melanopic Flux vs. Wavelength



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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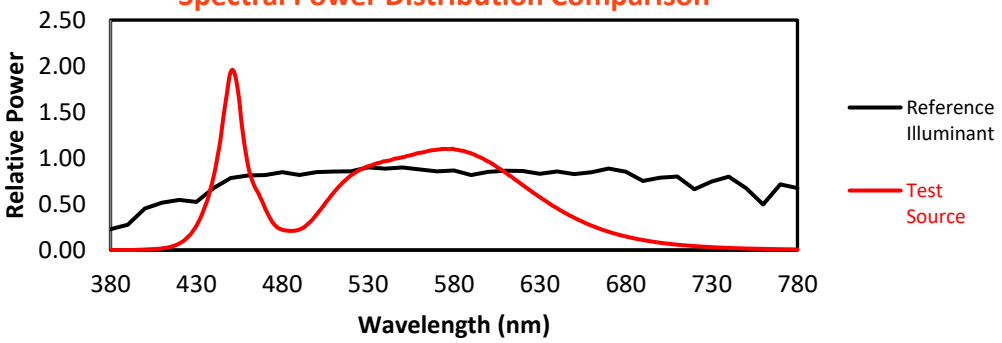
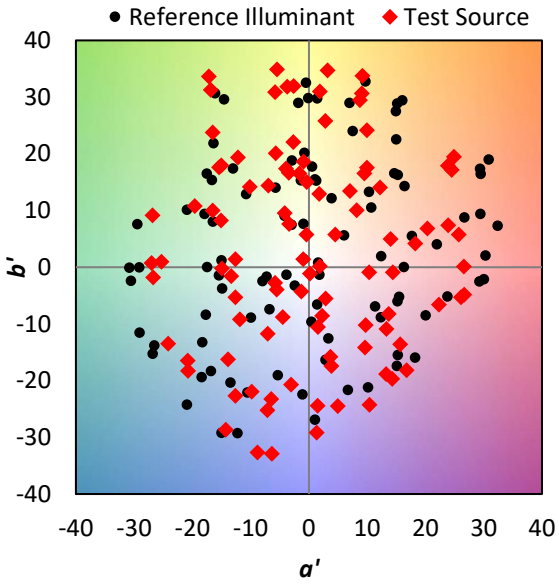
Summary

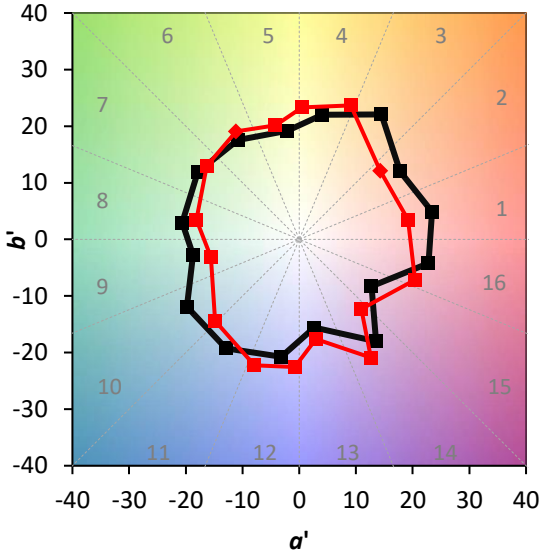
R_f = 73.7
R_g = 93
CIE R_a = 72.0
R_9 = -39.6

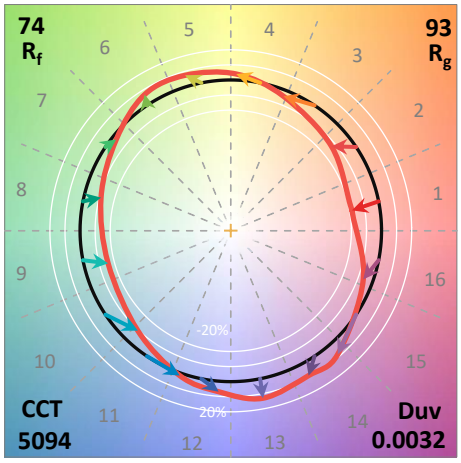
Spectral Power Distribution Comparison

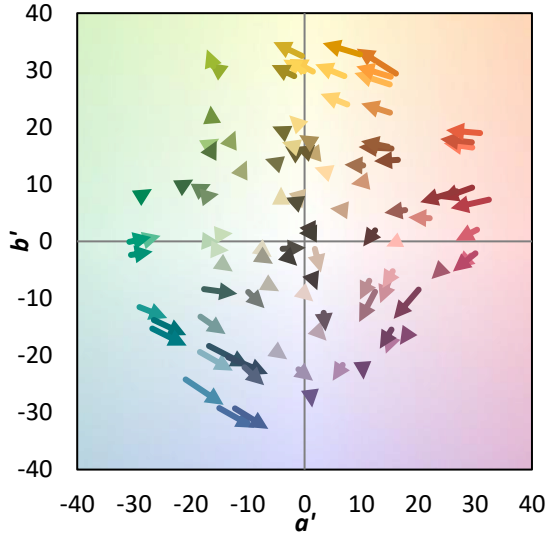


Color Vector Graphics









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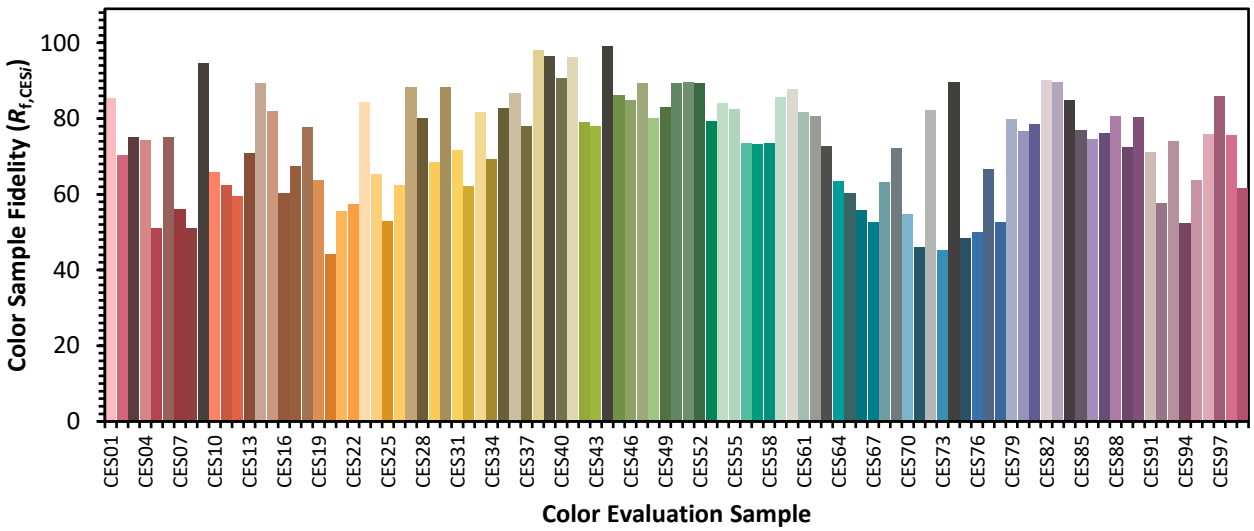
Individual Sample Fidelity Index ($R_{f,i}$)

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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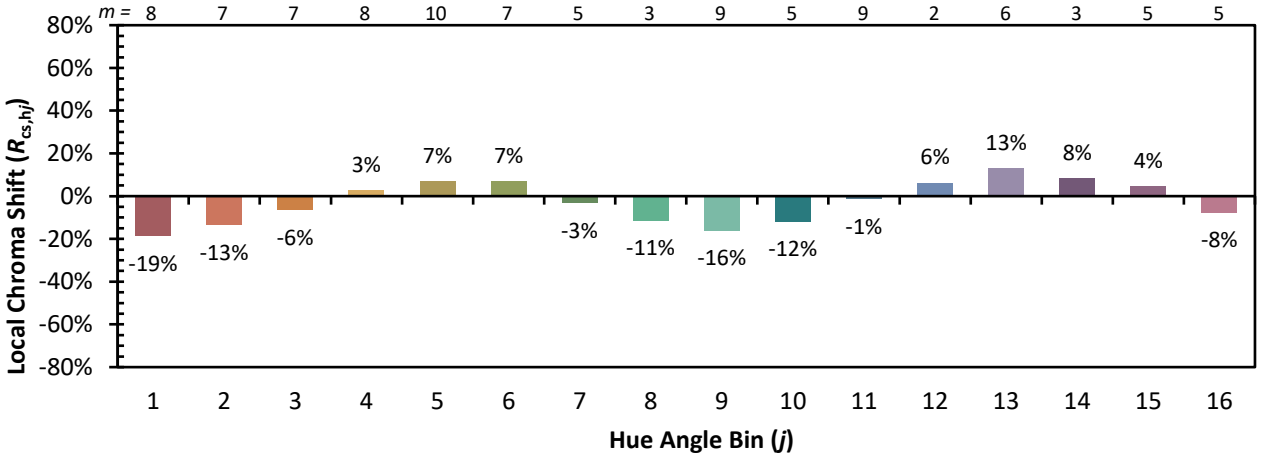
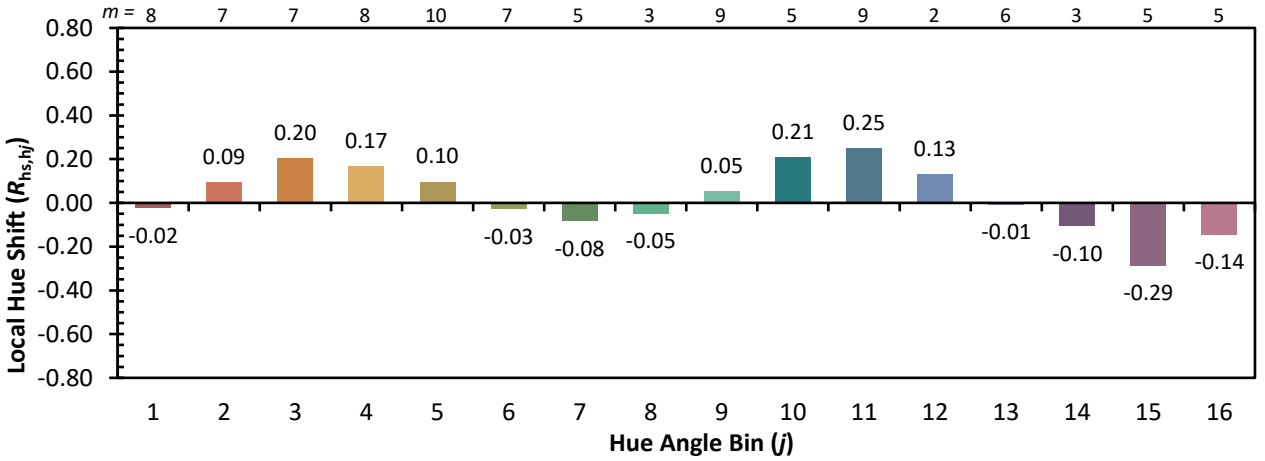
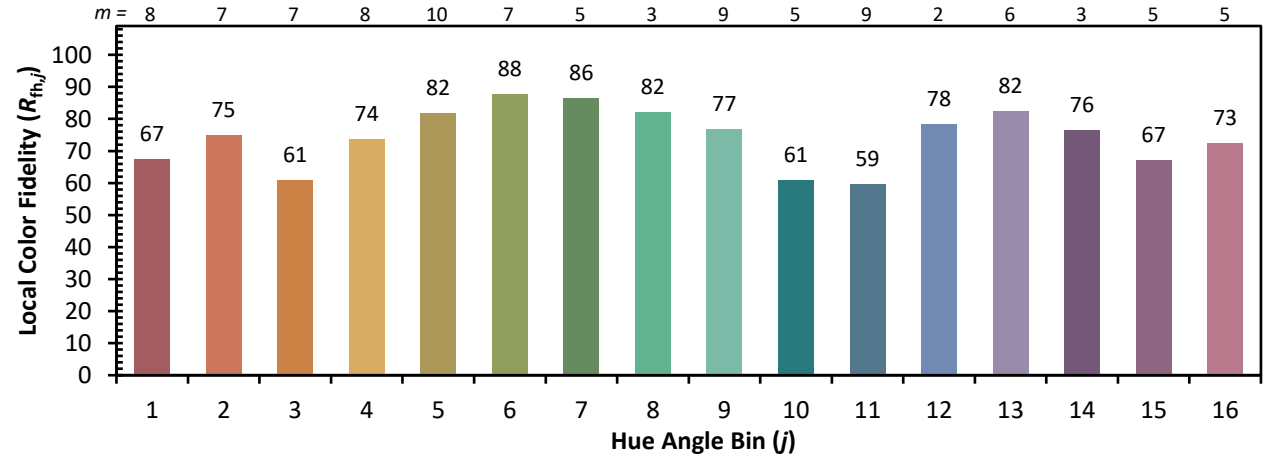
Color Rendition by Hue-Angle Bin







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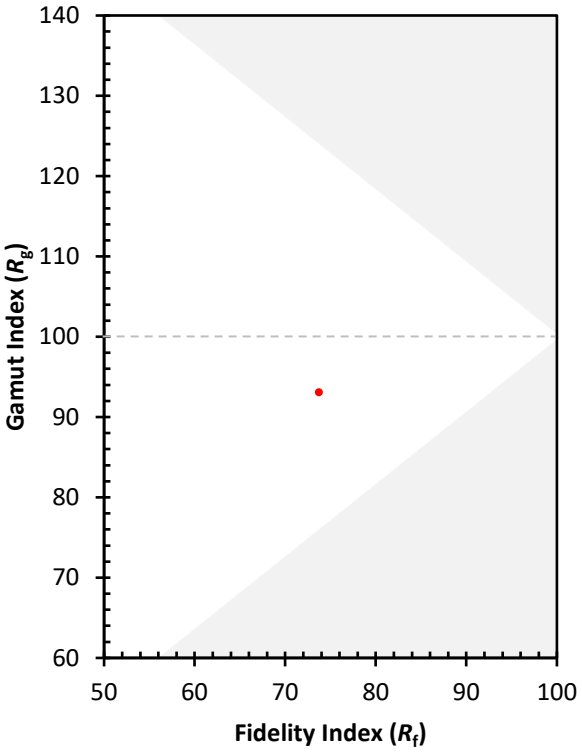
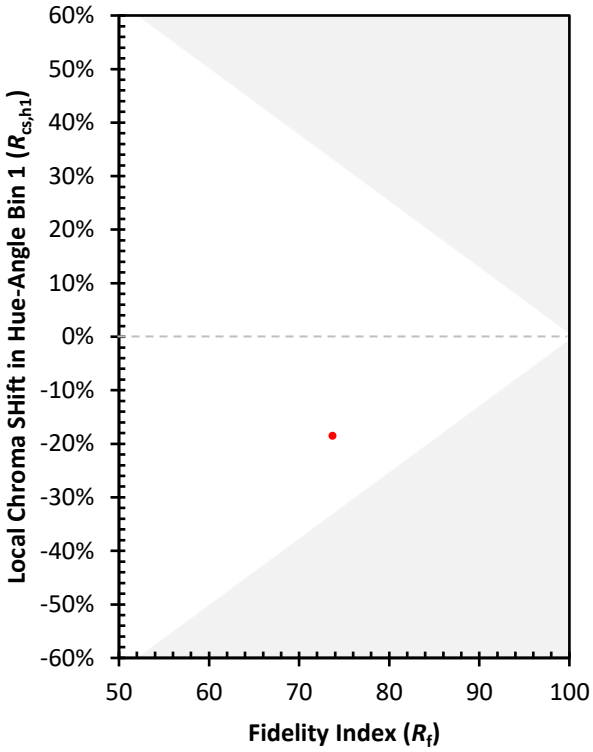
Measure Comparisons





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