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: STREETWORKS

Report Number: P867496

Luminaire Tested: **MEM2-HTN-SA-110-750-U-T2R**

Issue Date: 08/21/2024

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:	P867496
Test Lab:	INNOVATION CENTER(G3)
Issue Date:	08/21/2024
Manufacturer:	COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line:	STREETWORKS
Catalog Number:	MEM2-HTN-SA-110-750-U-T2R
Description:	EPIC MODERN TALL HOUSING DISCRETE LED ARRAYS 110W 70CRI 5000K FIXTURE w/ TYPE II ROADWAY DISTRIBUTION OPTIC
Light Source:	(30) 5000K CCT, 70 CRI LEDS
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	16749.3 lumens
Efficiency:	N/A
Efficacy:	148.2 lumens/watt
Luminous Opening:	Rectangular (W 1' x L: 0.33' x H: 0')
IES Classification:	Type II - 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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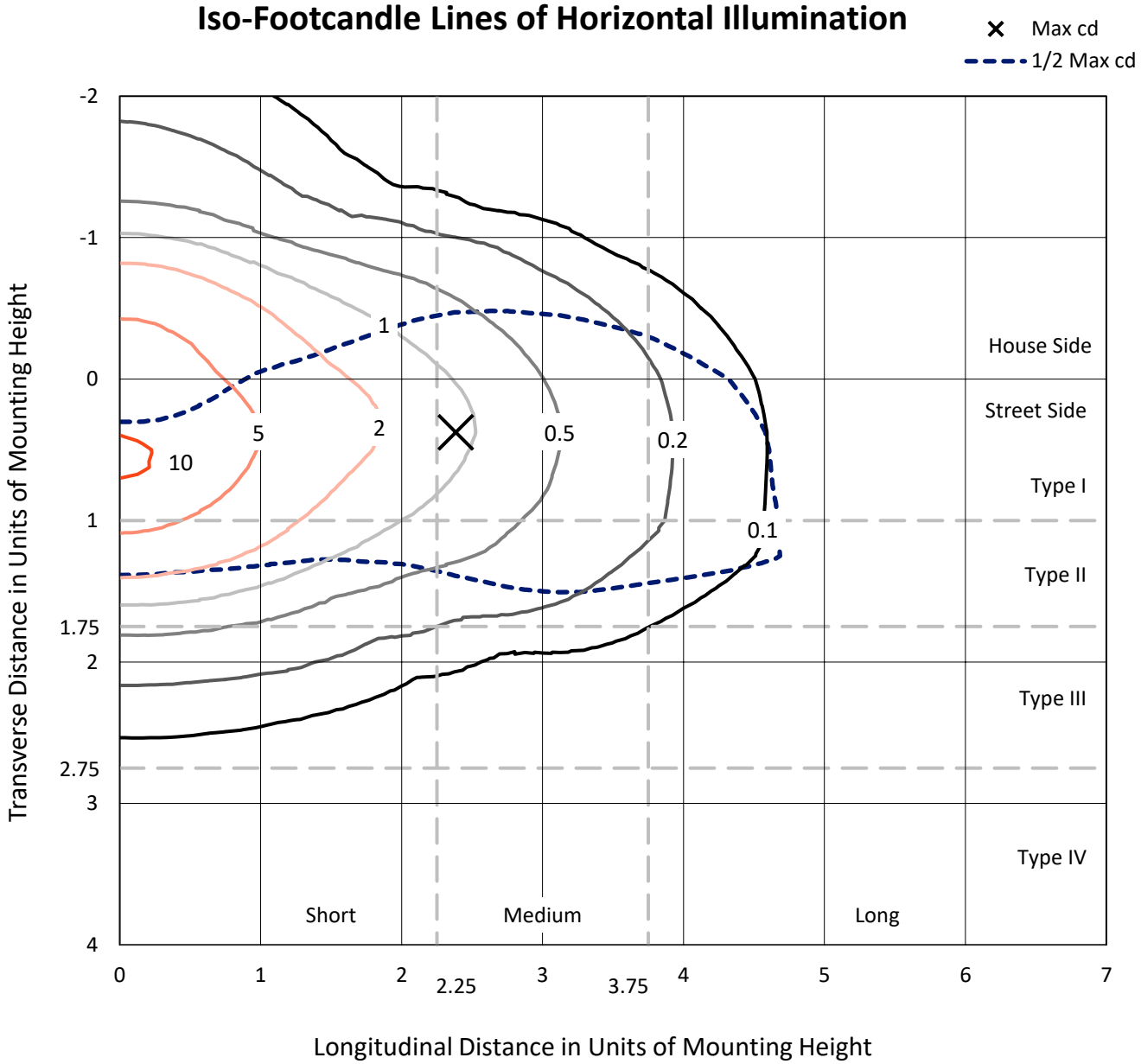
REPORT NUMBER: P867496
CATALOG NUMBER: MEM2-HTN-SA-110-750-U-T2R

Iso-Footcandle Lines of Horizontal Illumination



Based on 20 foot mounting height. Maximum calculated value = 10.7 fc
Type II - Medium - N/A

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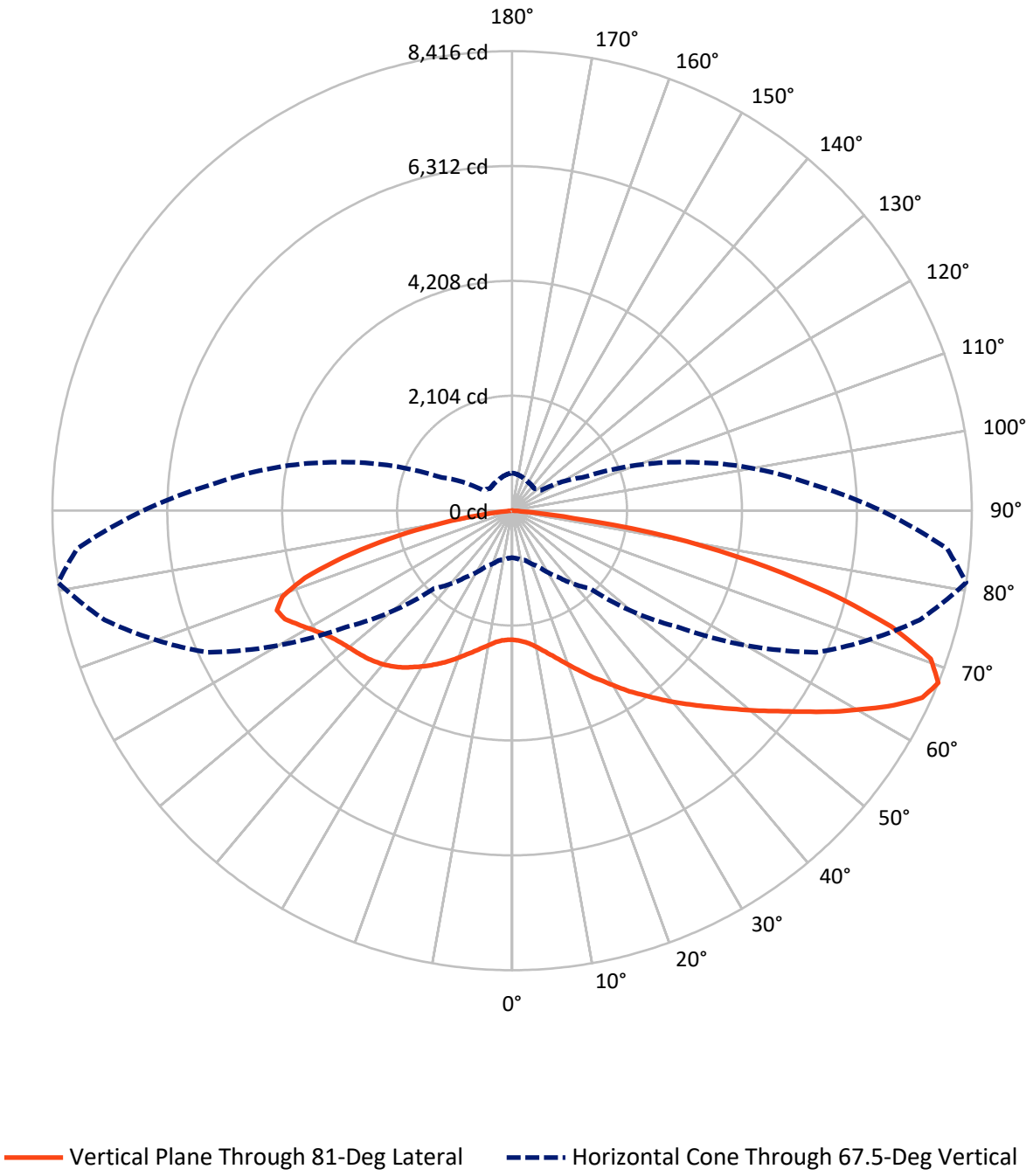
Luminous Intensity Polar Plot



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REPORT NUMBER: P867496
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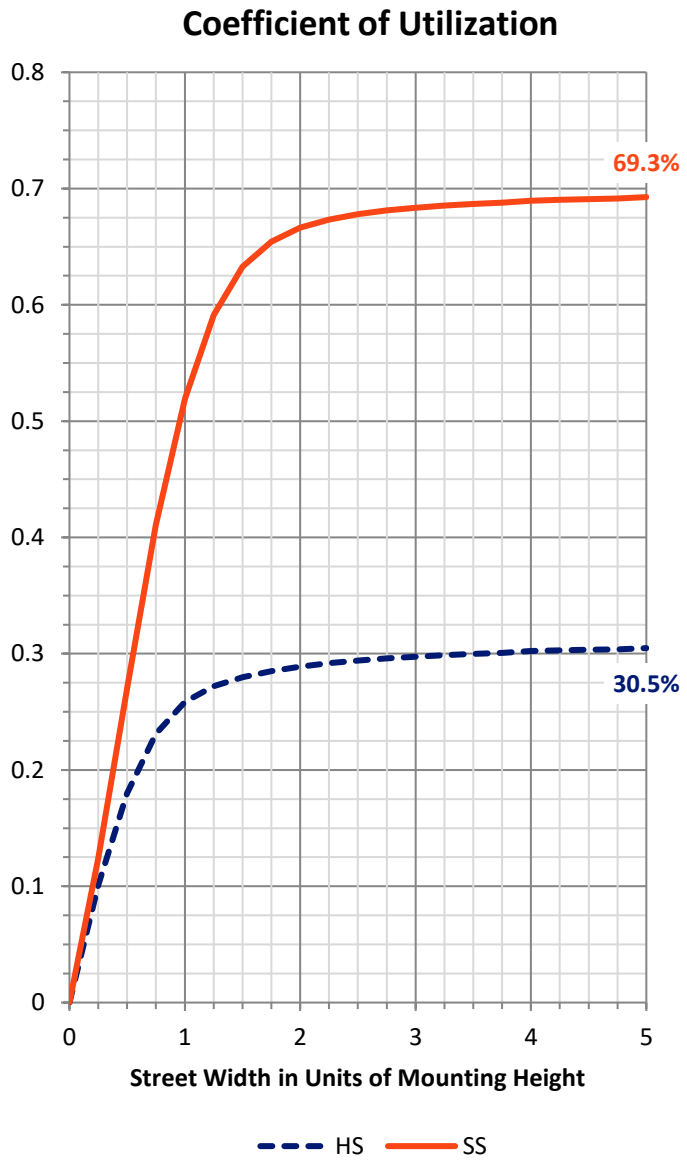
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	5132.4	0.0	5132.4
	% Fixture	30.6	0.0	30.6
Street Side	Lumens	11616.9	0.0	11616.9
	% Fixture	69.4	0.0	69.4
Total	Lumens	16749.3	0.0	16749.3
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	241.1	1.4
10°-20°	856.0	5.1
20°-30°	1704.9	10.2
30°-40°	2678.4	16.0
40°-50°	3321.7	19.8
50°-60°	3247.2	19.4
60°-70°	2730.7	16.3
70°-80°	1735.1	10.4
80°-90°	234.2	1.4
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°	16749.3	100.0
0°-180°	16749.3	100.0



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REPORT NUMBER: P867496
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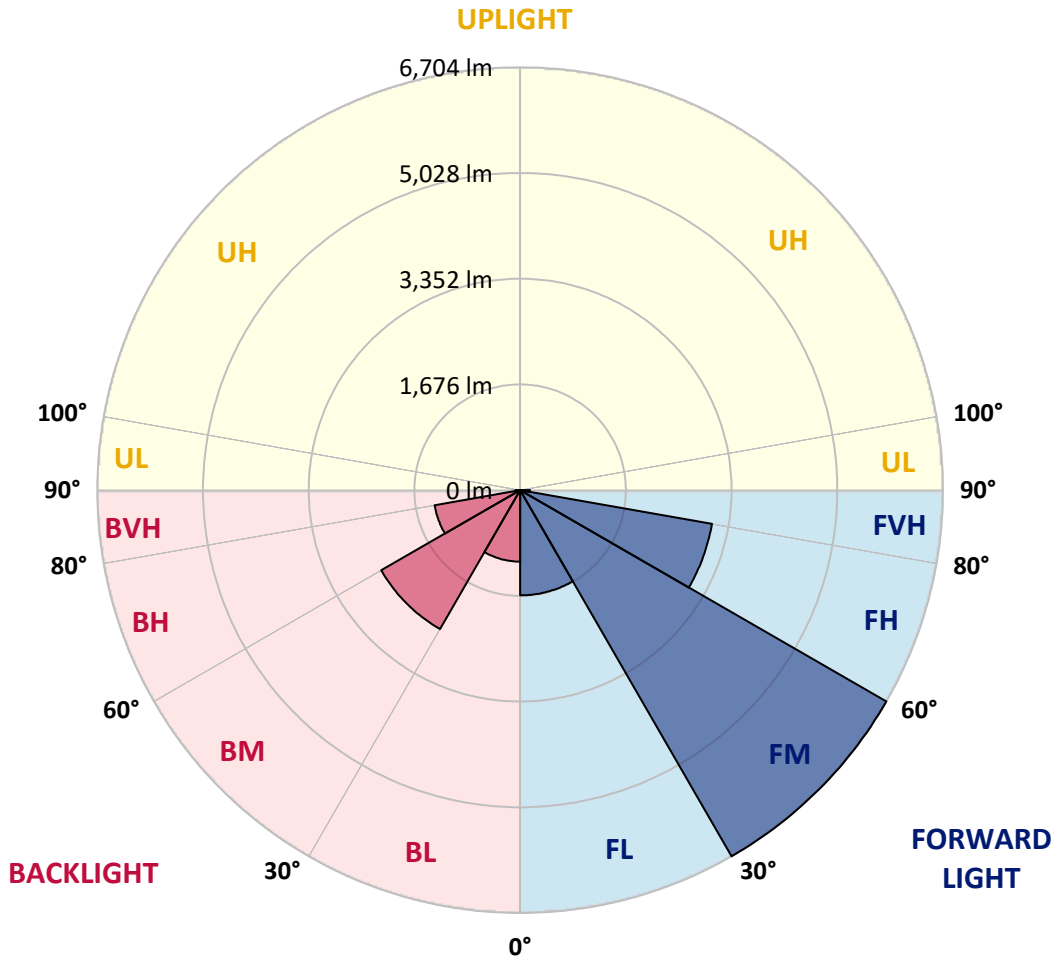
LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	1668.3	10.0			
FM	(30°-60°)	6703.6	40.0			
FH	(60°-80°)	3088.1	18.4			G2/5000
FVH	(80°-90°)	156.9	0.9			G2/225
BL	(0°-30°)	1133.7	6.8	B3/2500		
BM	(30°-60°)	2543.7	15.2	B3/5000		
BH	(60°-80°)	1377.7	8.2	B3/2500		G3/2500
BVH	(80°-90°)	77.3	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 II Medium



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REPORT NUMBER: P867496
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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	81°	85°
0°	2364.7	2364.7	2364.7	2364.7	2364.7	2364.7	2364.7	2364.7	2364.7	*2364.7*	2364.7
2.5°	2447.7	2444.4	2444.4	2417.8	2417.8	2411.2	2414.5	2394.6	2384.6	*2381.3*	2378.0
5°	2623.8	2623.8	2603.8	2587.2	2554.0	2524.1	2497.6	2457.7	2427.8	*2414.5*	2404.6
7.5°	2889.5	2869.5	2862.9	2813.1	2743.3	2683.5	2630.4	2544.1	2487.6	*2467.7*	2454.4
10°	3214.9	3188.4	3138.6	3082.1	2992.4	2902.7	2796.5	2680.2	2587.2	*2547.4*	2530.8
12.5°	3550.4	3513.8	3444.1	3391.0	3274.7	3138.6	2989.1	2829.7	2700.2	*2643.7*	2613.8
15°	3919.0	3899.1	3816.1	3709.8	3573.6	3381.0	3195.0	2999.1	2833.0	*2753.3*	2703.5
17.5°	4317.6	4287.7	4198.0	4068.5	3875.9	3646.7	3430.8	3178.4	2985.8	*2882.8*	2826.4
20°	4709.5	4702.8	4570.0	4447.1	4221.3	3935.6	3656.7	3391.0	3148.5	*3029.0*	2955.9
22.5°	5147.9	5104.7	4988.5	4815.8	4546.7	4284.4	3955.6	3610.2	3324.5	*3185.0*	3102.0
25°	5602.9	5599.6	5456.8	5244.2	4928.7	4596.6	4241.2	3859.3	3533.8	*3364.4*	3254.8
27.5°	6167.5	6124.3	5941.7	5699.2	5333.9	4951.9	4540.1	4118.3	3733.0	*3530.5*	3397.6
30°	6662.4	6649.1	6443.2	6170.8	5762.3	5307.3	4862.3	4410.6	3968.9	*3729.7*	3583.6
32.5°	7064.2	7047.6	6871.6	6599.3	6160.9	5689.2	5177.8	4686.2	4204.7	*3945.6*	3753.0
35°	7399.7	7373.1	7190.4	6918.1	6539.5	6061.2	5516.5	4975.2	4463.7	*4148.2*	3965.5
37.5°	7532.5	7509.3	7359.8	7134.0	6785.2	6346.8	5822.1	5294.0	4722.8	*4377.4*	4171.5
40°	7482.7	7469.4	7363.1	7207.0	6941.3	6576.0	6114.4	5626.1	5015.0	*4619.8*	4374.0
42.5°	7246.9	7246.9	7180.5	7100.8	6967.9	6705.5	6373.4	5945.0	5297.3	*4862.3*	4566.7
45°	6914.8	6901.5	6878.2	6848.4	6828.4	6728.8	6542.8	6220.6	5609.5	*5128.0*	4799.2
47.5°	6473.1	6483.0	6466.4	6479.7	6562.7	6625.8	6615.9	6476.4	5928.4	*5420.2*	5028.3
50°	5778.9	5825.4	5878.6	6034.7	6204.0	6380.1	6542.8	6659.0	6303.7	*5752.4*	5294.0
52.5°	4918.7	4938.7	5081.5	5450.1	5812.1	6044.6	6353.5	6742.1	6635.8	*6097.8*	5606.2
55°	3859.3	3895.8	4111.7	4633.1	5277.4	5722.5	6084.5	6705.5	6974.6	*6493.0*	5971.6
57.5°	2766.6	2789.8	3135.2	3673.3	4513.5	5260.8	5778.9	6559.4	7246.9	*6941.3*	6346.8
60°	1966.2	2009.3	2231.9	2756.6	3563.7	4623.1	5499.9	6346.8	7499.3	*7379.7*	6838.4
62.5°	1451.4	1474.6	1630.7	2012.7	2676.9	3753.0	5137.9	6190.8	7665.4	*7851.4*	7329.9
65°	1092.7	1102.6	1208.9	1471.3	2002.7	2766.6	4566.7	6160.9	7758.4	*8253.2*	7765.0
67.5°	*860.2*	*876.8*	*943.2*	*1122.6*	*1491.2*	*2012.7*	*3719.8*	*6140.9*	*7725.2*	*8416.0*	*7994.2*
70°	724.0	727.3	777.2	876.8	1115.9	1448.1	2779.9	5842.0	7539.2	*8130.3*	7781.6
72.5°	627.7	627.7	651.0	730.7	896.7	1096.0	1893.1	5128.0	7067.6	*7263.5*	7044.3
75°	508.1	504.8	544.7	621.1	720.7	843.6	1272.0	3882.5	6077.8	*5978.2*	5798.8
77.5°	441.7	438.4	471.6	538.0	594.5	674.2	870.2	2520.8	4782.6	*4483.6*	4370.7
80°	378.6	368.7	395.2	458.3	488.2	524.8	601.1	1468.0	3125.3	*2939.3*	2803.1
82.5°	285.6	262.4	255.7	308.9	328.8	305.6	305.6	514.8	1135.9	*1145.8*	1059.5
85°	23.2	26.6	33.2	39.9	56.5	63.1	66.4	109.6	169.4	*162.7*	166.1
87.5°	3.3	3.3	3.3	6.6	6.6	10.0	10.0	10.0	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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Scaled Data Report

REPORT NUMBER: P867496
CATALOG NUMBER: MEM2-HTN-SA-110-750-U-T2R

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	2364.7	2364.7	2364.7	2364.7	2364.7	2364.7	2364.7	2364.7	2364.7	2364.7	2364.7
2.5°	2374.7	2368.0	2361.4	2361.4	2361.4	2354.7	2351.4	2351.4	2348.1	2338.1	2334.8
5°	2397.9	2388.0	2378.0	2378.0	2378.0	2374.7	2371.4	2374.7	2371.4	2361.4	2358.1
7.5°	2444.4	2431.1	2417.8	2417.8	2424.5	2421.2	2421.2	2424.5	2421.2	2411.2	2407.9
10°	2510.8	2490.9	2484.3	2484.3	2490.9	2487.6	2484.3	2484.3	2481.0	2464.3	2471.0
12.5°	2583.9	2564.0	2557.3	2560.7	2557.3	2550.7	2554.0	2544.1	2540.7	2514.2	2510.8
15°	2676.9	2653.7	2640.4	2643.7	2633.7	2620.4	2607.2	2600.5	2587.2	2564.0	2557.3
17.5°	2783.2	2746.6	2730.0	2730.0	2710.1	2683.5	2663.6	2643.7	2623.8	2597.2	2590.6
20°	2886.1	2852.9	2826.4	2819.7	2779.9	2736.7	2700.2	2666.9	2643.7	2613.8	2607.2
22.5°	3015.7	2969.2	2932.6	2902.7	2843.0	2773.2	2716.8	2670.3	2637.0	2603.8	2593.9
25°	3151.8	3085.4	3025.6	2969.2	2886.1	2786.5	2706.8	2640.4	2597.2	2560.7	2554.0
27.5°	3288.0	3201.7	3115.3	3025.6	2899.4	2769.9	2657.0	2577.3	2520.8	2474.3	2467.7
30°	3434.1	3327.9	3191.7	3062.2	2896.1	2726.7	2583.9	2471.0	2404.6	2351.4	2344.8
32.5°	3583.6	3450.7	3264.8	3088.7	2879.5	2663.6	2477.6	2358.1	2275.0	2215.3	2198.6
35°	3749.7	3586.9	3331.2	3098.7	2833.0	2570.6	2364.7	2215.3	2118.9	2059.2	2045.9
37.5°	3919.0	3713.1	3374.4	3092.1	2766.6	2461.0	2218.6	2065.8	1952.9	1869.8	1856.6
40°	4091.7	3829.4	3400.9	3058.8	2673.6	2324.9	2082.4	1896.4	1733.7	1657.3	1620.8
42.5°	4251.2	3935.6	3414.2	3012.3	2570.6	2182.0	1903.1	1660.6	1507.8	1424.8	1441.4
45°	4417.2	4035.3	3417.5	2955.9	2434.5	1999.4	1677.2	1451.4	1298.6	1235.5	1228.9
47.5°	4560.0	4118.3	3410.9	2876.2	2281.7	1790.1	1441.4	1225.5	1112.6	1052.8	1046.2
50°	4749.3	4211.3	3400.9	2783.2	2082.4	1551.0	1222.2	1046.2	943.2	896.7	893.4
52.5°	4938.7	4314.3	3394.3	2653.7	1873.2	1325.2	1022.9	883.4	813.7	790.5	783.8
55°	5187.7	4440.5	3397.6	2504.2	1634.0	1092.7	866.8	770.5	734.0	724.0	724.0
57.5°	5473.4	4603.2	3417.5	2338.1	1384.9	903.4	753.9	710.7	707.4	714.1	717.4
60°	5818.8	4819.1	3457.4	2165.4	1155.8	763.9	687.5	684.2	694.1	717.4	724.0
62.5°	6207.4	5054.9	3507.2	1939.6	936.6	670.9	651.0	664.2	677.5	704.1	707.4
65°	6549.4	5320.6	3537.1	1723.7	783.8	617.7	627.7	634.4	667.6	704.1	704.1
67.5°	*6755.4*	*5513.2*	*3424.2*	*1451.4*	*654.3*	*571.2*	*591.2*	*611.1*	*647.6*	*680.8*	*687.5*
70°	6685.6	5450.1	3038.9	1125.9	554.6	528.1	551.3	581.2	617.7	657.6	677.5
72.5°	6200.7	5001.8	2467.7	820.3	481.6	488.2	518.1	558.0	591.2	634.4	660.9
75°	5184.4	4174.8	1780.2	591.2	421.8	448.4	494.9	528.1	551.3	561.3	564.6
77.5°	3935.6	3068.8	1212.2	441.7	365.3	401.9	451.7	488.2	494.9	501.5	508.1
80°	2570.6	1952.9	684.2	308.9	279.0	328.8	368.7	408.5	395.2	415.2	421.8
82.5°	1086.0	853.6	312.2	152.8	129.5	139.5	149.5	132.8	122.9	122.9	106.3
85°	142.8	109.6	46.5	19.9	16.6	10.0	10.0	10.0	6.6	6.6	6.6
87.5°	13.3	13.3	10.0	10.0	6.6	6.6	3.3	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-30-750-U-5WQ-2

Data in this report applies to families of products including MEM2-HTN-SA-30-750-U-5WQ-2

Report Generated By FNC07603 / LDUCLS01DT446
Version: v7.04

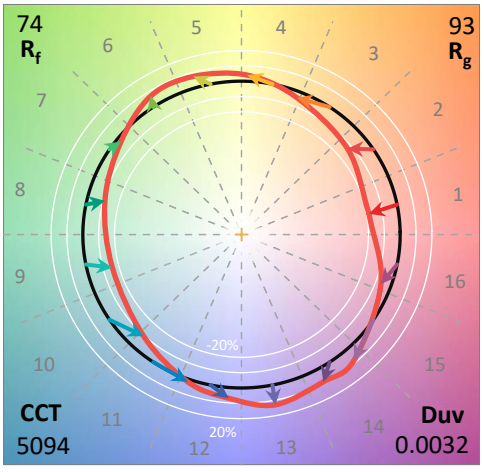
Test Information

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-30-750-U-5WQ-2**
Description:	Epic Modern Light Square 30W 5WQ Optic and Flare Trim

Spectral Parameters

CCT (K):	5094
CIE u':	0.2082
CIE v':	0.4867
Duv:	0.0032
CIE x:	0.3430
CIE y:	0.3564
CIE z:	0.3006
Peak Wavelength (nm):	451
Dominant Wavelength (nm):	568
Purity:	9.86439
Rf:	73.7
Rg:	93

CRI (Ra):	72.0
R1:	68.6
R2:	78.1
R3:	84.6
R4:	71.6
R5:	69.6
R6:	69.4
R7:	80.9
R8:	53.1
R9:	-39.6
R10:	47.6
R11:	68.2
R12:	41.4
R13:	70.4
R14:	91.4
R15:	61.4



Test Conditions

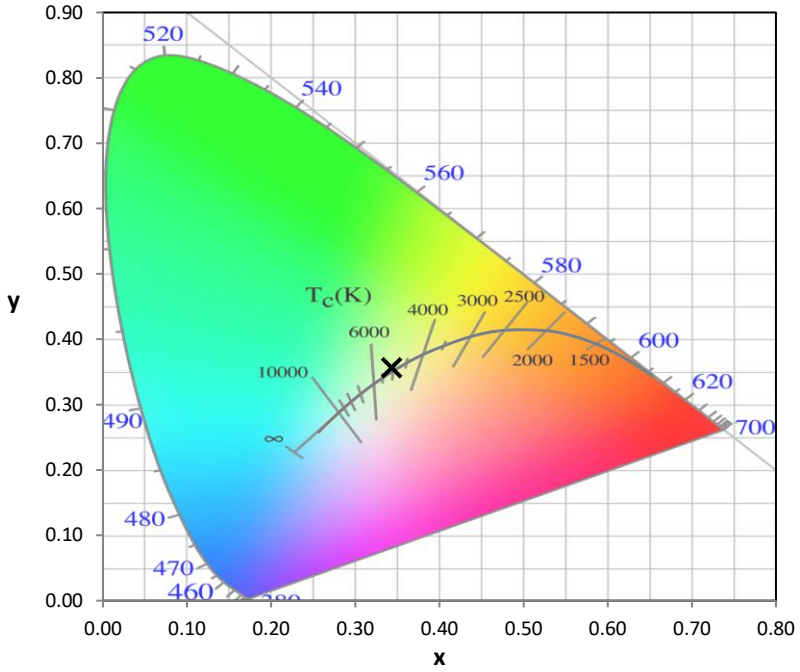
Stabilization Time:	20M
Operation Time:	1H 20M
Sphere Temperature (°C):	24.2

REPORT NUMBER: SP1-2407-157-6

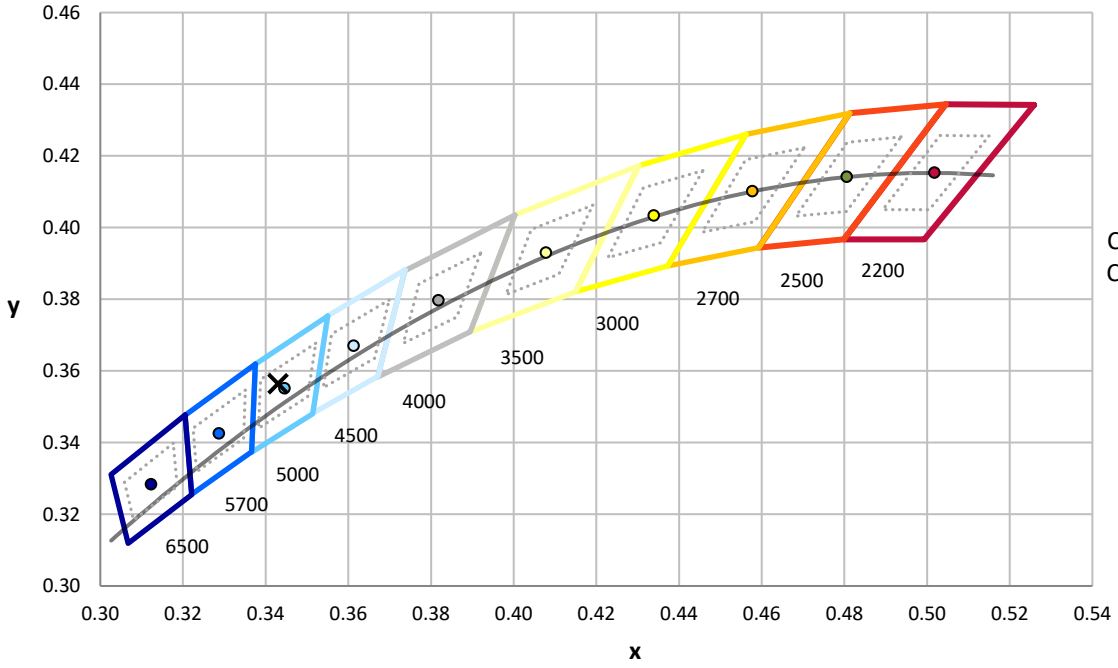
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

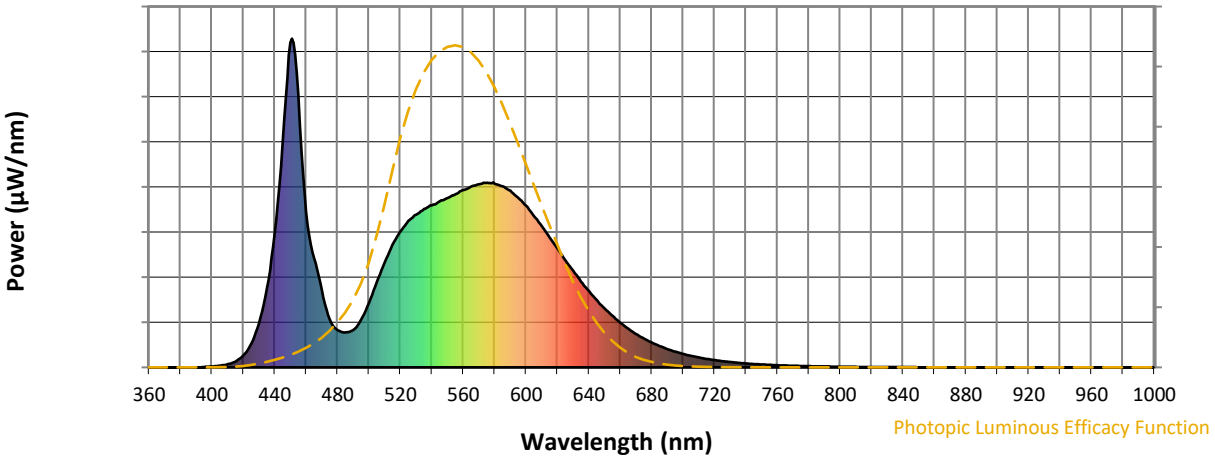


CCT = 5094K
CIE x = 0.3430
CIE y = 0.3564
Duv = 0.0032

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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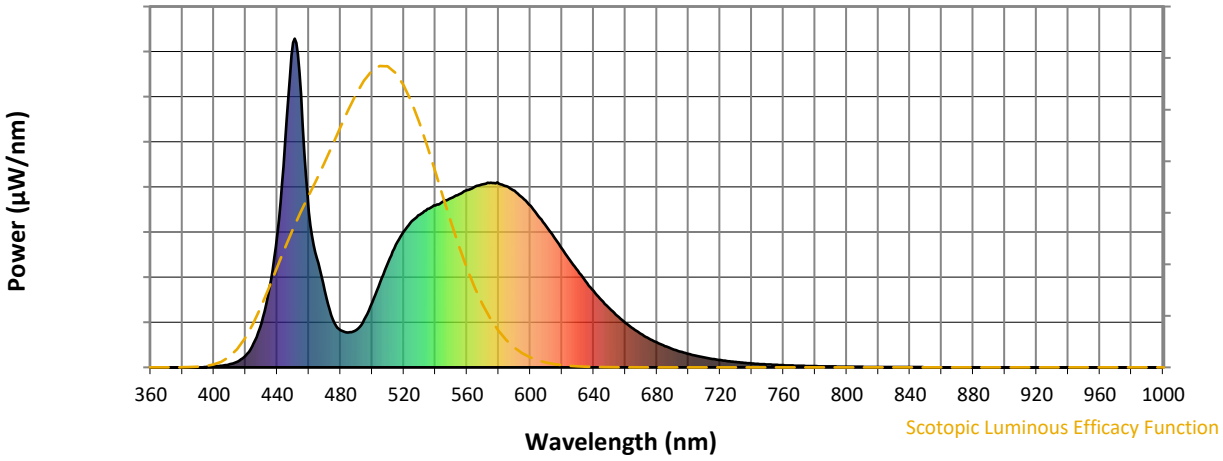
Scotopic Flux vs. Wavelength



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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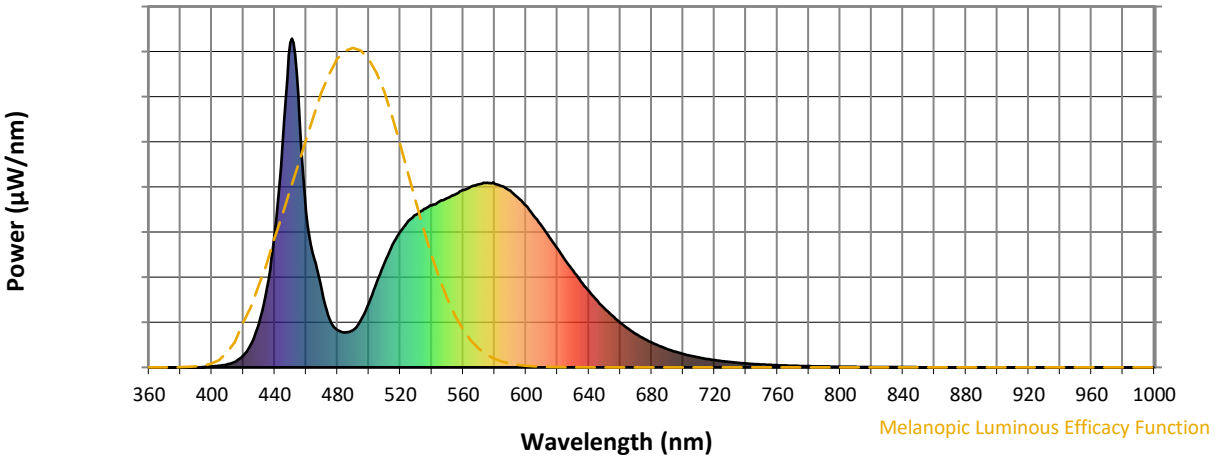
Melanopic Flux vs. Wavelength



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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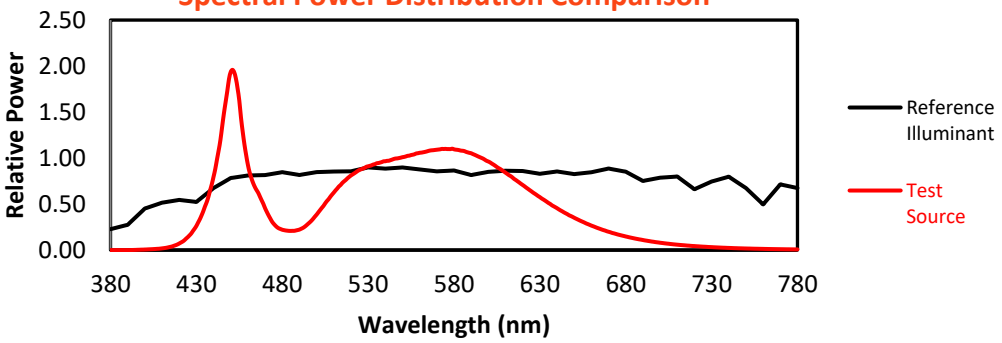
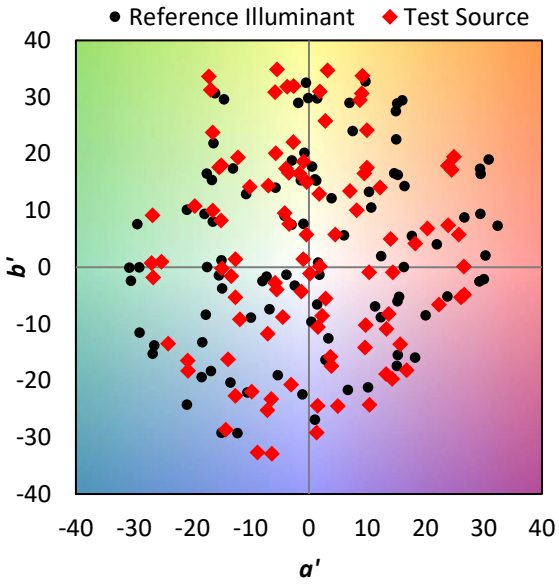
Summary

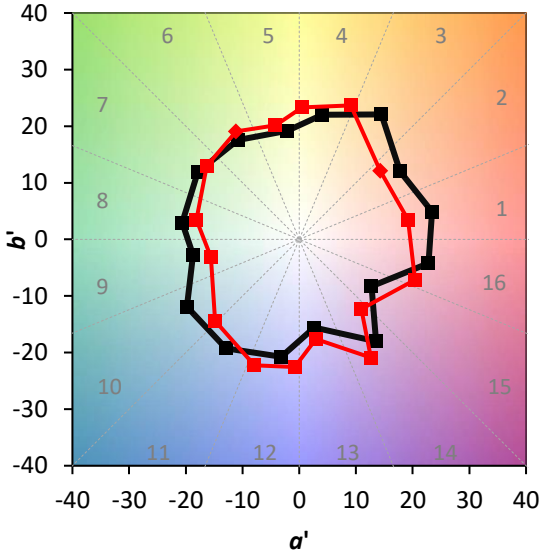
R_f = 73.7
R_g = 93
CIE R_a = 72.0
R_9 = -39.6

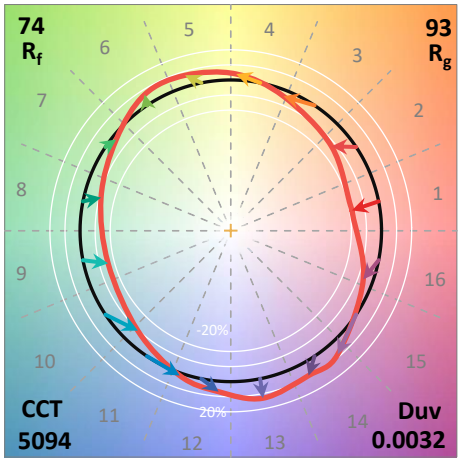
Spectral Power Distribution Comparison

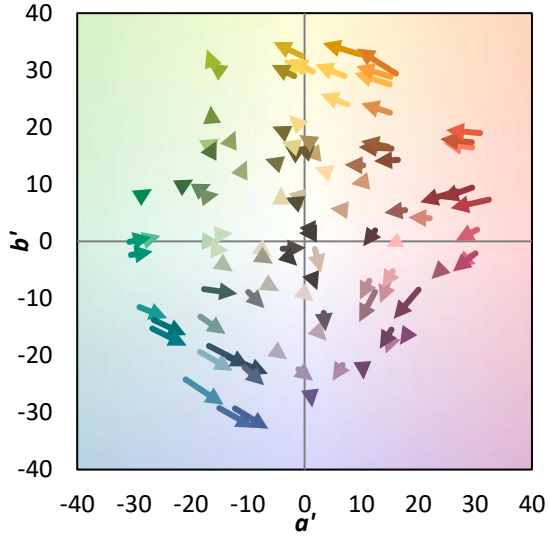


Color Vector Graphics









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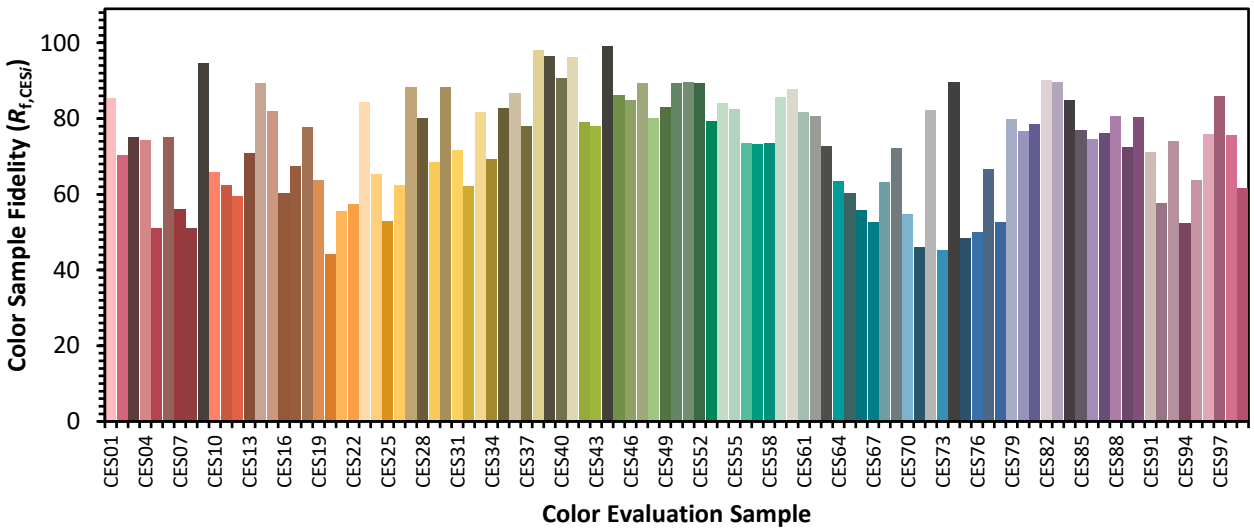
Individual Sample Fidelity Index ($R_{f,i}$)

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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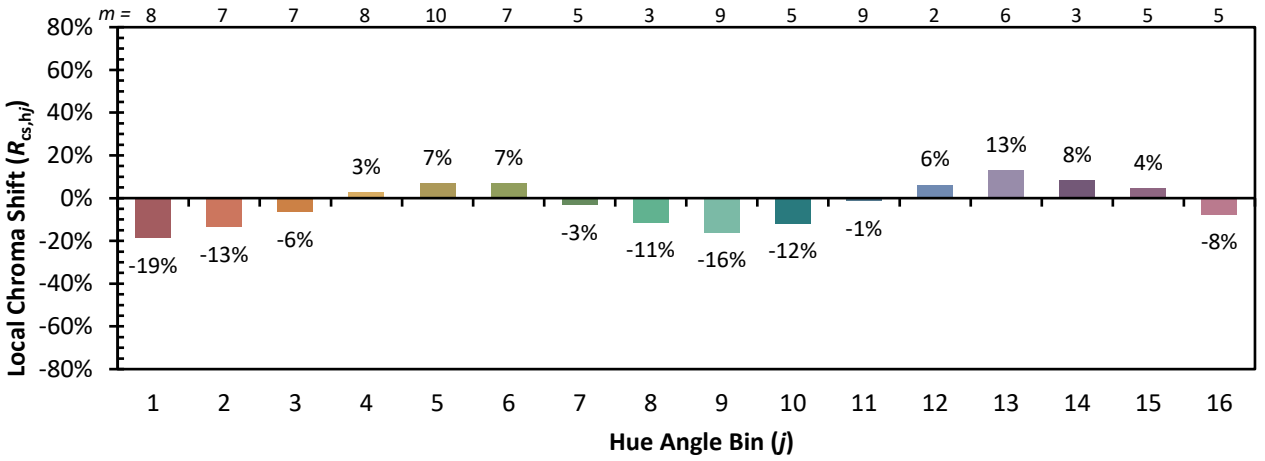
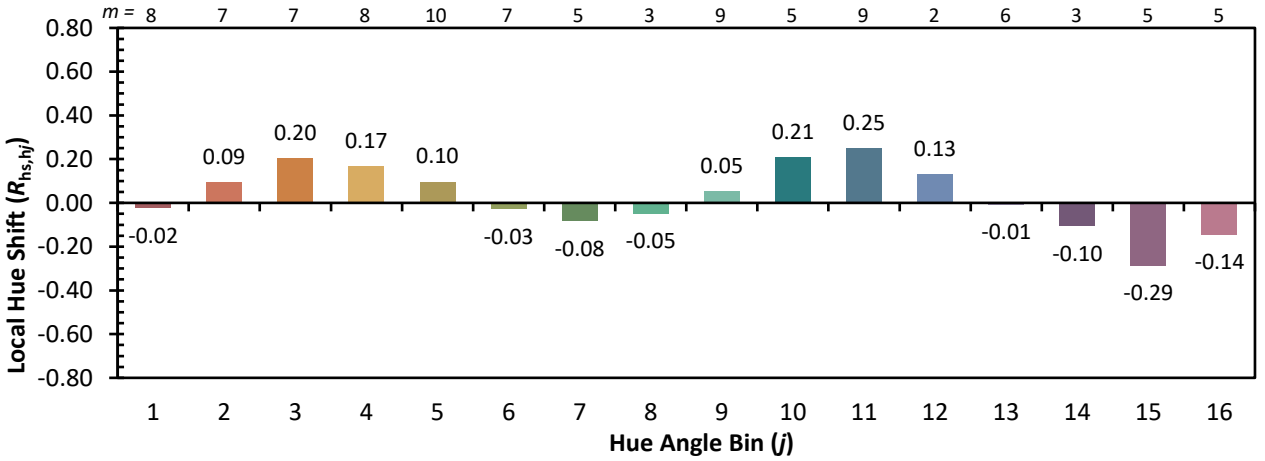
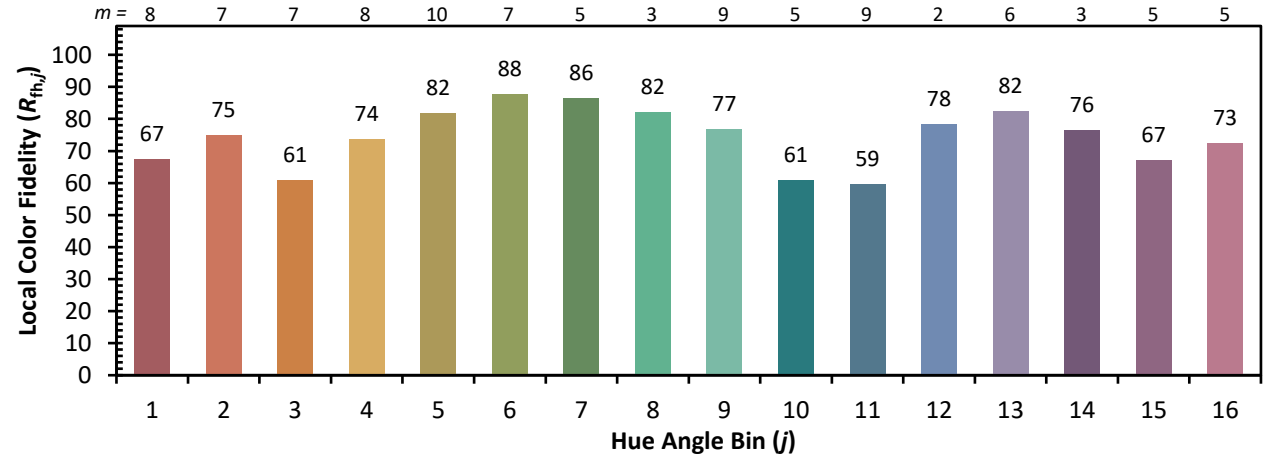
Color Rendition by Hue-Angle Bin







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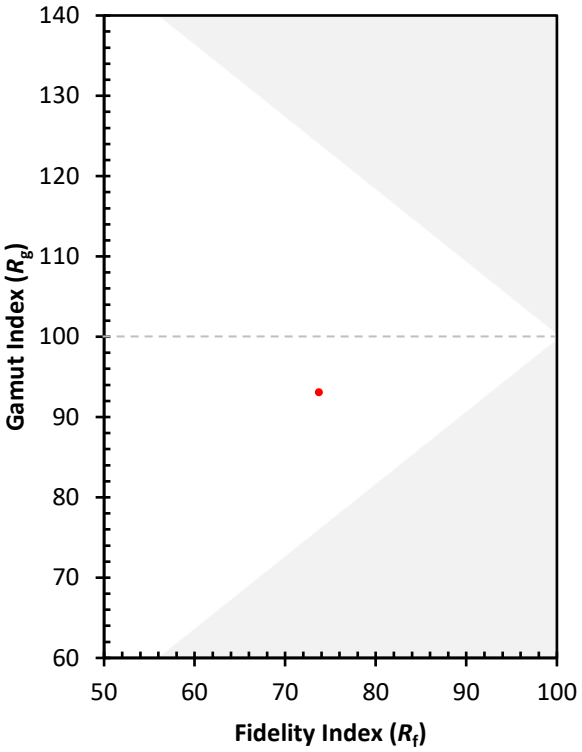
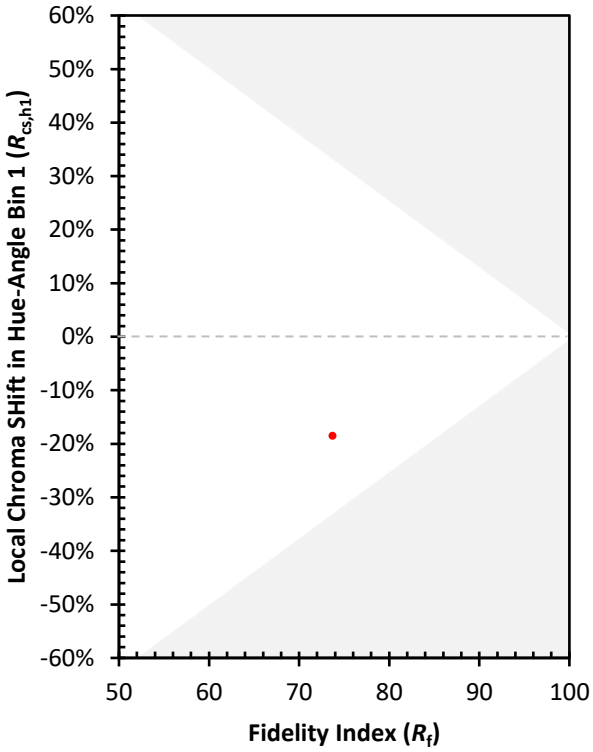
Measure Comparisons





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