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: P869025

Luminaire Tested: **EMM2-HSN-SA3B-730-U-T4W**

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:	P869025
Test Lab:	INNOVATION CENTER(G3)
Issue Date:	08/22/2024
Manufacturer:	COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line:	INVUE
Catalog Number:	EMM2-HSN-SA3B-730-U-T4W
Description:	EPIC MODERN SHORT HOUSING DISCRETE LED ARRAYS 150W 70CRI 3000K FIXTURE w/ TYPE IV WIDE DISTRIBUTION OPTIC
Light Source:	(30) 3000K CCT, 70 CRI LEDS
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	17726 lumens
Efficiency:	N/A
Efficacy:	132.3 lumens/watt
Luminous Opening:	Rectangular (W 1' x L: 0.33' x H: 0')
IES Classification:	Type IV - Short
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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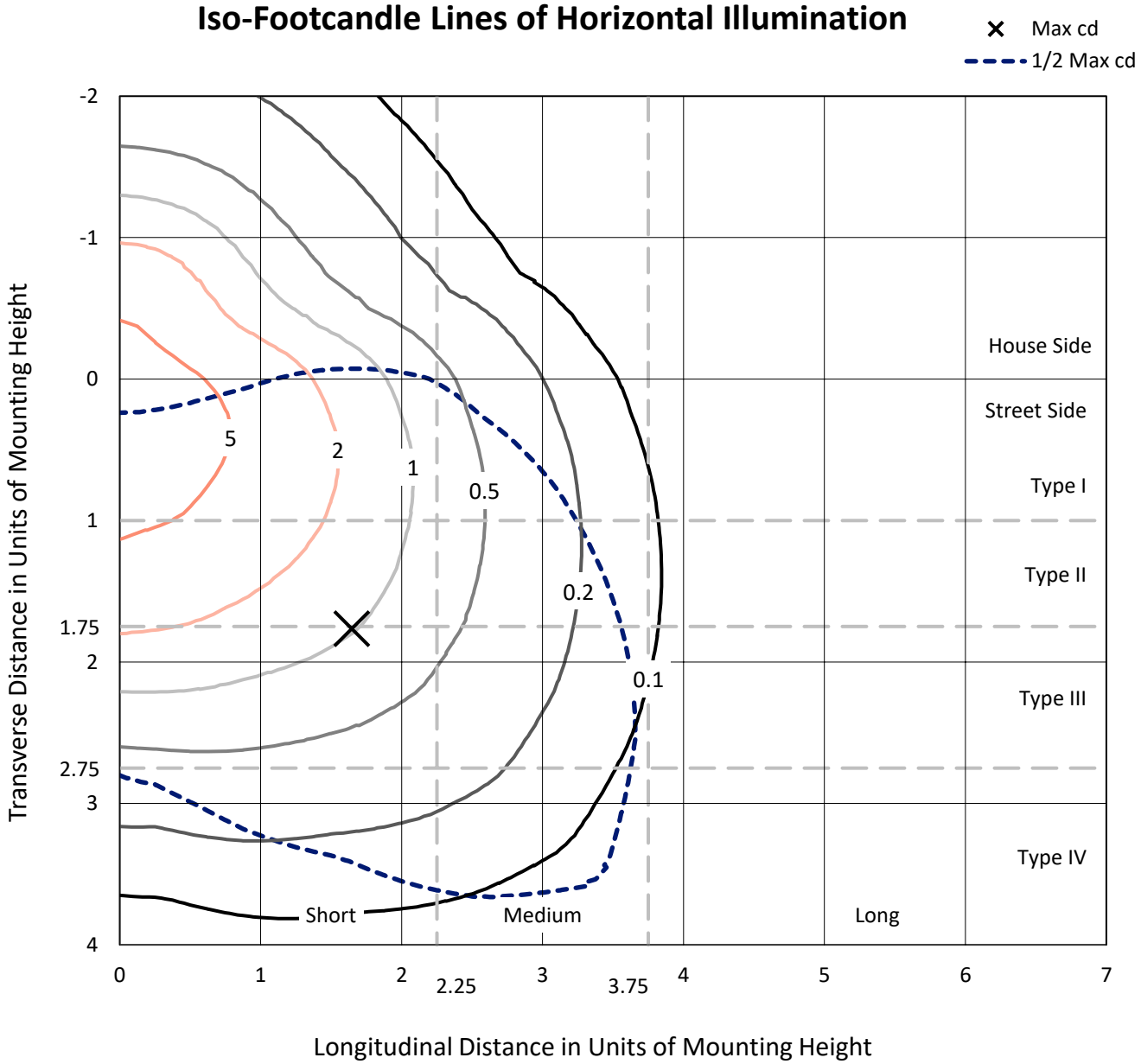
REPORT NUMBER: P869025
CATALOG NUMBER: EMM2-HSN-SA3B-730-U-T4W

Iso-Footcandle Lines of Horizontal Illumination



Based on 20 foot mounting height. Maximum calculated value = 8.5 fc
Type IV - Short - N/A

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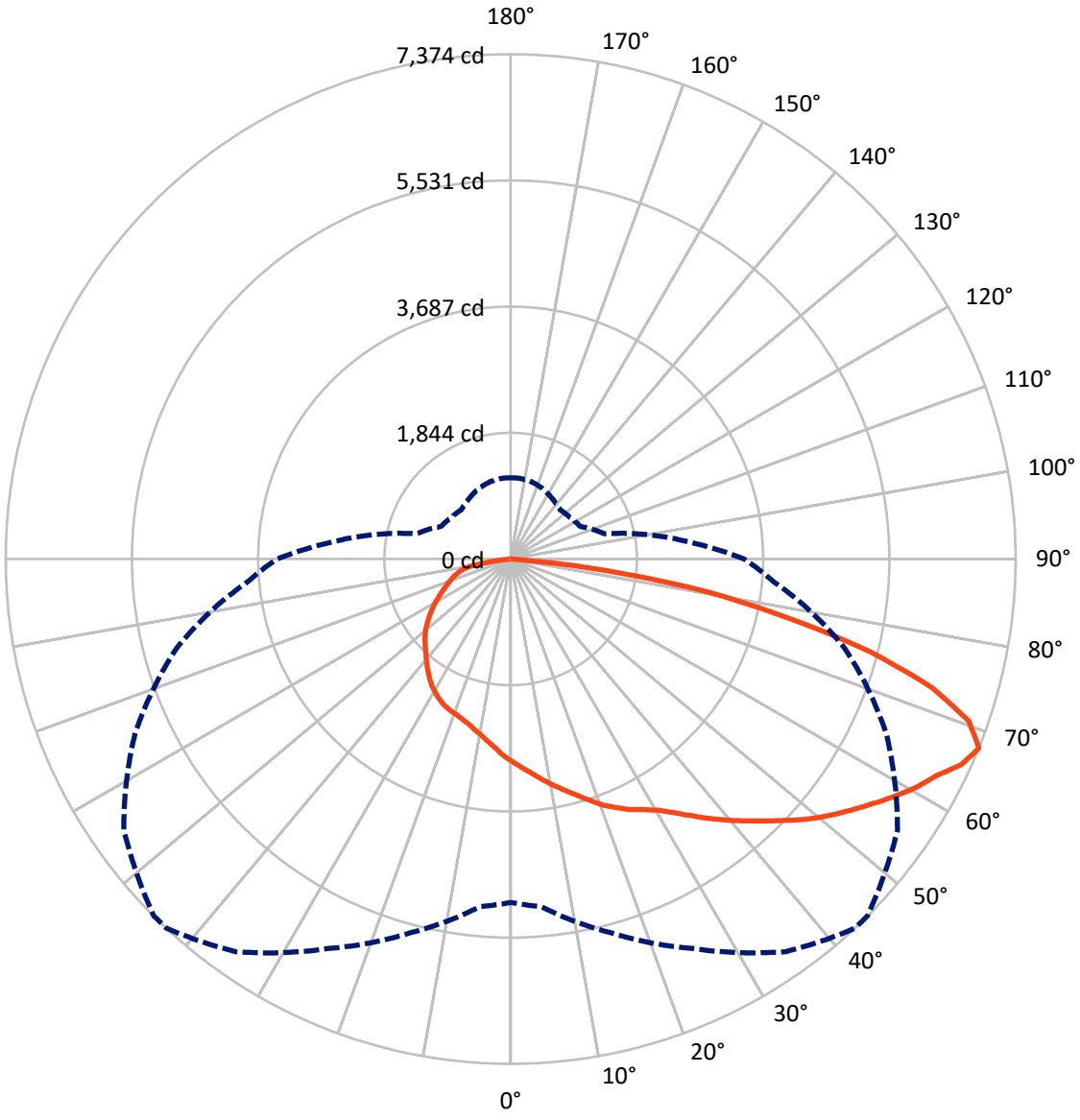
Luminous Intensity Polar Plot



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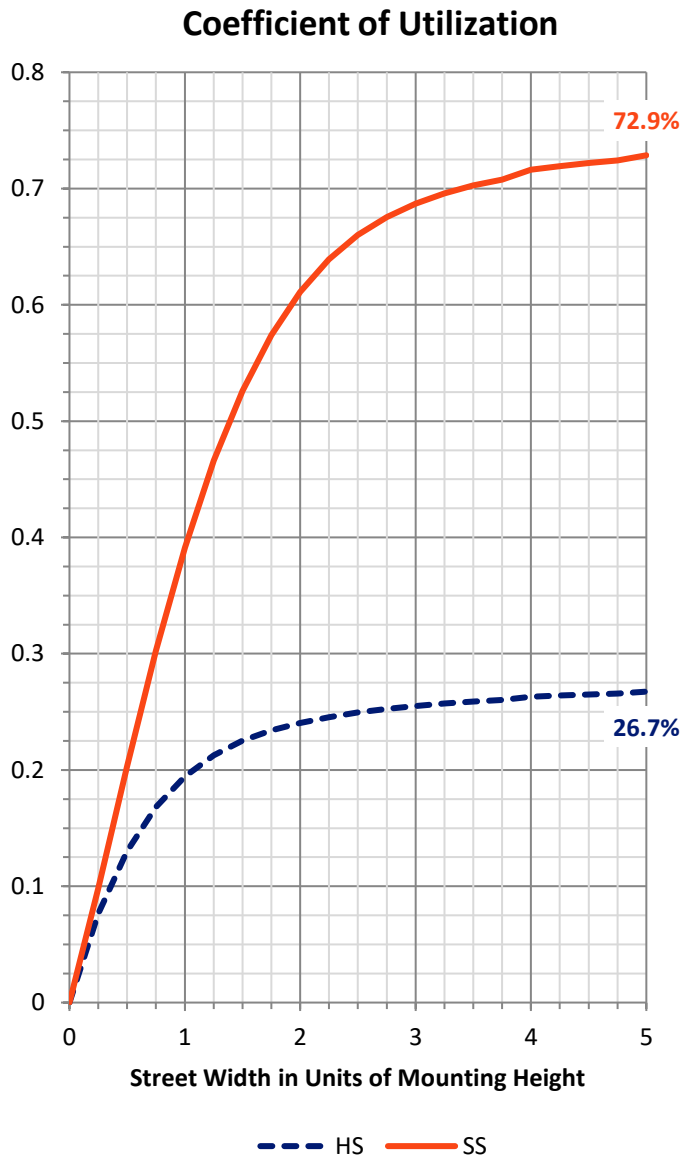
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4768.4	0.0	4768.4
	% Fixture	26.9	0.0	26.9
Street Side	Lumens	12957.6	0.0	12957.6
	% Fixture	73.1	0.0	73.1
Total	Lumens	17726.0	0.0	17726.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	283.2	1.6
10°-20°	864.8	4.9
20°-30°	1475.5	8.3
30°-40°	2151.9	12.1
40°-50°	2890.9	16.3
50°-60°	3538.9	20.0
60°-70°	3724.5	21.0
70°-80°	2431.6	13.7
80°-90°	364.8	2.1
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°	17726.0	100.0
0°-180°	17726.0	100.0



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REPORT NUMBER: P869025
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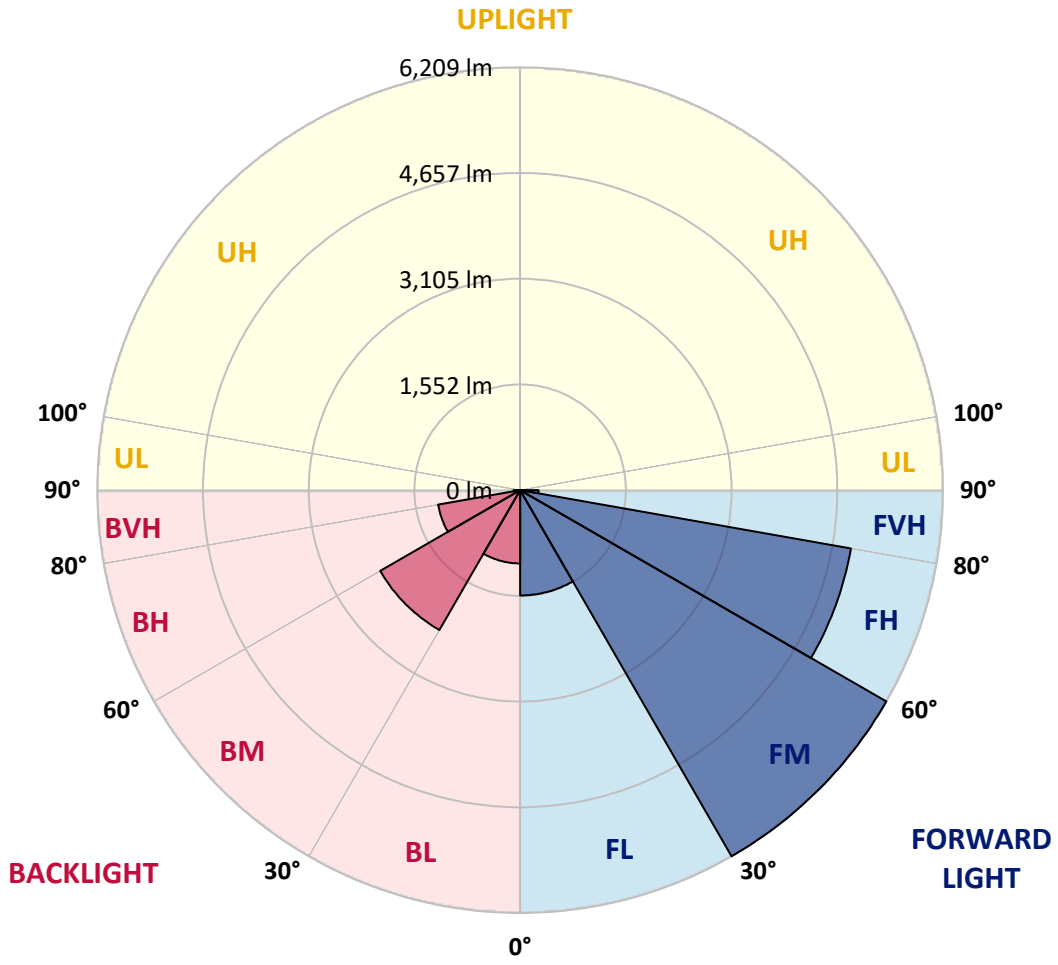
LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	1546.9	8.7			
FM	(30°-60°)	6209.3	35.0			
FH	(60°-80°)	4932.3	27.8			G2/5000
FVH	(80°-90°)	269.1	1.5			G3/500
BL	(0°-30°)	1076.5	6.1	B3/2500		
BM	(30°-60°)	2372.5	13.4	B2/2500		
BH	(60°-80°)	1223.7	6.9	B3/2500		G3/2500
BVH	(80°-90°)	95.6	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 IV Short



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REPORT NUMBER: P869025
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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	43°	45°	55°	65°	75°	85°
0°	2959.0	2959.0	2959.0	2959.0	2959.0	*2959.0*	2959.0	2959.0	2959.0	2959.0	2959.0
2.5°	3095.3	3091.7	3080.9	3073.8	3052.2	*3048.7*	3048.7	3027.1	3002.0	2987.7	2973.3
5°	3235.2	3217.2	3210.1	3195.7	3159.8	*3138.3*	3145.5	3106.0	3055.8	3020.0	2980.5
7.5°	3360.7	3353.5	3328.4	3310.5	3267.4	*3245.9*	3238.8	3177.8	3113.2	3059.4	2994.9
10°	3511.3	3493.4	3479.1	3443.2	3385.8	*3353.5*	3342.8	3263.9	3181.4	3109.6	3023.6
12.5°	3647.6	3626.1	3608.2	3572.3	3514.9	*3461.1*	3446.8	3357.1	3253.1	3156.3	3048.7
15°	3751.6	3755.2	3737.3	3705.0	3640.5	*3575.9*	3565.1	3446.8	3321.2	3202.9	3073.8
17.5°	3848.5	3862.8	3852.1	3830.6	3766.0	*3701.4*	3690.7	3558.0	3407.3	3256.7	3102.5
20°	3941.7	3941.7	3938.2	3923.8	3877.2	*3834.1*	3812.6	3679.9	3489.8	3314.1	3141.9
22.5°	3995.5	4009.9	4009.9	4009.9	3981.2	*3945.3*	3938.2	3809.0	3601.0	3385.8	3177.8
25°	4078.0	4096.0	4096.0	4088.8	4063.7	*4052.9*	4042.2	3920.2	3708.6	3468.3	3217.2
27.5°	4253.8	4250.2	4221.5	4185.6	4149.8	*4146.2*	4131.8	4045.8	3834.1	3558.0	3271.0
30°	4497.7	4504.8	4469.0	4357.8	4275.3	*4257.4*	4261.0	4185.6	3981.2	3662.0	3332.0
32.5°	4870.7	4870.7	4730.8	4587.3	4469.0	*4422.4*	4411.6	4347.0	4131.8	3776.8	3400.2
35°	5150.4	5139.7	5060.8	4892.2	4745.2	*4612.4*	4594.5	4508.4	4300.4	3905.9	3475.5
37.5°	5362.1	5383.6	5322.6	5193.5	5050.0	*4820.5*	4784.6	4662.7	4454.6	4031.4	3550.8
40°	5770.9	5717.1	5570.1	5451.7	5279.6	*5024.9*	4992.6	4842.0	4612.4	4171.3	3644.0
42.5°	6068.6	5993.3	5824.7	5666.9	5451.7	*5229.4*	5200.7	5035.7	4795.4	4329.1	3740.9
45°	6495.4	6326.9	6093.7	5953.9	5649.0	*5451.7*	5415.9	5236.5	4985.5	4497.7	3862.8
47.5°	6907.9	6613.8	6366.3	6301.8	5864.2	*5692.0*	5663.3	5455.3	5189.9	4680.6	3981.2
50°	6854.1	6660.4	6577.9	6517.0	6050.7	*5918.0*	5889.3	5677.7	5397.9	4874.3	4099.6
52.5°	6717.8	6735.7	6739.3	6592.3	6226.4	*6129.6*	6100.9	5918.0	5613.1	5042.8	4214.3
55°	6861.3	6882.8	6879.2	6656.8	6430.9	*6341.2*	6323.3	6161.9	5821.1	5200.7	4296.8
57.5°	7080.1	7008.3	6997.6	6818.2	6649.7	*6567.2*	6545.7	6405.8	5996.9	5315.4	4361.4
60°	7119.5	6976.1	7022.7	6854.1	6814.7	*6789.5*	6782.4	6617.4	6161.9	5408.7	4386.5
62.5°	6678.4	6653.3	6836.2	6768.0	6900.7	*6972.5*	6976.1	6768.0	6251.5	5444.5	4361.4
65°	5925.2	6025.6	6420.1	6617.4	7029.9	*7234.3*	7227.1	6857.7	6240.8	5340.5	4207.2
67.5°	*5017.7*	*5096.6*	*5652.6*	*6276.7*	*7001.2*	*7374.2*	*7370.6*	*6897.1*	*6054.3*	*5053.6*	*3859.2*
70°	3805.4	4052.9	4842.0	5663.3	6613.8	*7098.0*	7159.0	6674.8	5627.5	4530.0	3332.0
72.5°	2894.4	2933.9	3887.9	4748.7	5921.6	*6441.6*	6430.9	5964.6	4913.7	3816.2	2776.1
75°	2055.2	2141.2	2926.7	3679.9	4852.8	*5430.2*	5405.1	4892.2	3920.2	2969.8	2123.3
77.5°	1531.5	1563.8	2141.2	2729.4	3629.7	*4149.8*	4139.0	3615.4	2883.7	2180.7	1581.7
80°	1119.0	1172.8	1542.3	1904.5	2460.4	*2908.8*	2894.4	2399.5	1850.7	1524.3	1154.9
82.5°	627.7	667.1	896.7	1151.3	1298.4	*1438.3*	1377.3	1151.3	842.9	656.4	566.7
85°	17.9	21.5	32.3	39.5	68.1	*114.8*	125.5	111.2	132.7	82.5	89.7
87.5°	7.2	7.2	7.2	7.2	7.2	*10.8*	10.8	10.8	10.8	10.8	10.8
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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CATALOG NUMBER: EMM2-HSN-SA3B-730-U-T4W

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	2959.0	2959.0	2959.0	2959.0	2959.0	2959.0	2959.0	2959.0	2959.0	2959.0	2959.0
2.5°	2966.2	2951.8	2923.1	2905.2	2894.4	2880.1	2858.6	2844.2	2833.5	2847.8	2844.2
5°	2962.6	2933.9	2883.7	2847.8	2811.9	2783.2	2751.0	2725.9	2711.5	2718.7	2715.1
7.5°	2962.6	2926.7	2847.8	2790.4	2736.6	2693.6	2657.7	2625.4	2611.1	2614.7	2611.1
10°	2976.9	2926.7	2822.7	2740.2	2668.5	2618.3	2578.8	2550.1	2539.4	2550.1	2553.7
12.5°	2991.3	2926.7	2801.2	2697.2	2603.9	2550.1	2514.2	2496.3	2503.5	2507.1	2510.7
15°	2998.4	2923.1	2779.7	2647.0	2542.9	2485.6	2464.0	2460.4	2478.4	2496.3	2499.9
17.5°	3016.4	2919.5	2747.4	2596.7	2489.1	2442.5	2431.8	2446.1	2482.0	2507.1	2514.2
20°	3037.9	2926.7	2711.5	2535.8	2435.3	2399.5	2417.4	2449.7	2492.7	2528.6	2535.8
22.5°	3059.4	2930.3	2679.2	2482.0	2378.0	2370.8	2410.2	2456.9	2507.1	2542.9	2550.1
25°	3084.5	2930.3	2636.2	2413.8	2320.6	2331.3	2392.3	2453.3	2499.9	2546.5	2553.7
27.5°	3109.6	2937.5	2589.6	2338.5	2248.8	2281.1	2356.4	2431.8	2482.0	2528.6	2539.4
30°	3152.7	2951.8	2550.1	2273.9	2177.1	2220.1	2309.8	2395.9	2449.7	2499.9	2510.7
32.5°	3195.7	2973.3	2517.8	2205.8	2105.4	2155.6	2256.0	2352.8	2410.2	2456.9	2464.0
35°	3253.1	3002.0	2492.7	2137.6	2033.6	2073.1	2180.7	2288.3	2352.8	2388.7	2406.6
37.5°	3314.1	3041.5	2471.2	2076.7	1954.7	1990.6	2105.4	2220.1	2288.3	2324.2	2331.3
40°	3389.4	3095.3	2456.9	2019.3	1879.4	1908.1	2022.9	2148.4	2213.0	2238.1	2252.4
42.5°	3471.9	3152.7	2446.1	1961.9	1796.9	1825.6	1947.6	2069.5	2134.1	2155.6	2166.3
45°	3575.9	3228.0	2438.9	1900.9	1728.8	1753.9	1875.8	1997.8	2051.6	2080.3	2091.0
47.5°	3672.7	3303.3	2417.4	1829.2	1653.5	1689.3	1800.5	1908.1	1969.1	1987.0	1997.8
50°	3769.6	3367.9	2374.4	1750.3	1585.3	1617.6	1718.0	1796.9	1843.5	1865.1	1872.2
52.5°	3862.8	3414.5	2306.2	1667.8	1513.6	1535.1	1617.6	1692.9	1725.2	1732.4	1753.9
55°	3923.8	3439.6	2209.4	1571.0	1441.8	1449.0	1510.0	1578.1	1596.1	1599.7	1599.7
57.5°	3966.8	3425.3	2094.6	1474.1	1370.1	1370.1	1406.0	1459.8	1466.9	1470.5	1477.7
60°	3974.0	3375.0	1947.6	1384.5	1291.2	1280.4	1316.3	1348.6	1352.2	1359.3	1366.5
62.5°	3920.2	3263.9	1789.7	1298.4	1215.9	1190.8	1223.1	1255.3	1273.3	1284.0	1291.2
65°	3755.2	3037.9	1610.4	1212.3	1144.1	1101.1	1140.6	1194.4	1230.2	1233.8	1233.8
67.5°	*3410.9*	*2672.1*	*1420.3*	*1122.6*	*1058.1*	*1018.6*	*1068.8*	*1126.2*	*1169.3*	*1187.2*	*1183.6*
70°	2890.8	2266.8	1244.6	1029.4	972.0	946.9	1000.7	1065.2	1101.1	1115.5	1122.6
72.5°	2327.7	1814.8	1090.3	936.1	896.7	882.3	936.1	1000.7	1050.9	1072.4	1076.0
75°	1811.3	1427.5	961.2	839.3	807.0	810.6	868.0	932.5	986.3	997.1	964.8
77.5°	1406.0	1137.0	839.3	724.5	706.6	731.7	789.1	857.2	889.5	900.3	878.7
80°	1015.0	871.6	677.9	570.3	570.3	609.7	659.9	738.9	749.6	735.3	742.4
82.5°	480.6	423.2	333.6	276.2	258.2	286.9	304.9	330.0	358.7	365.8	347.9
85°	64.6	43.0	32.3	35.9	32.3	21.5	14.3	14.3	14.3	10.8	10.8
87.5°	10.8	10.8	7.2	7.2	7.2	7.2	7.2	7.2	3.6	3.6	3.6
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: SP1-2407-157-4

Test Date: 08/07/2024

Luminaire Tested: MEM2-HTN-SA-40-730-U-5WQ-2

Data in this report applies to families of products including MEM2-HTN-SA-40-730-U-5WQ-2

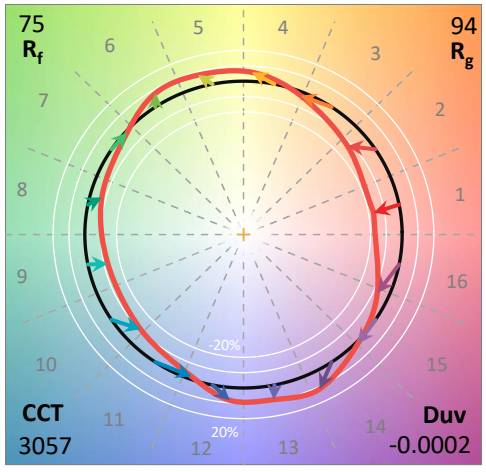
Report Generated By FNC07603 / LDUCLS01DT446
Version: v7.04

Test Information

Test Method:	LM-79-2019
Report Number:	SP1-2407-157-4
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-40-730-U-5WQ-2**
Description:	Epic Modern Light Square 40W 5WQ Optic and Flare Trim

Spectral Parameters

CCT (K):	3057	CRI (Ra):	71.7		
CIE u':	0.2487	R1:	68.1	R9:	-34.8
CIE v':	0.5199	R2:	82.0	R10:	58.5
Duv:	-0.0002	R3:	93.5	R11:	62.5
CIE x:	0.4326	R4:	67.5	R12:	47.5
CIE y:	0.4020	R5:	67.2	R13:	70.7
CIE z:	0.1654	R6:	74.9	R14:	96.4
Peak Wavelength (nm):	593	R7:	77.4	R15:	60.0
Dominant Wavelength (nm):	582	R8:	43.1		
Purity:	50.50735				
Rf:	74.6				
Rg:	94				



Test Conditions

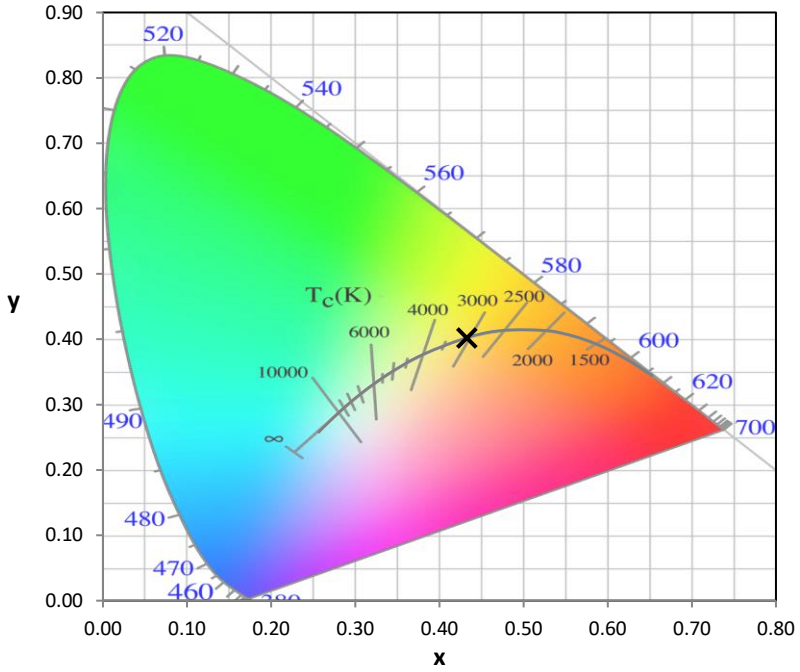
Stabilization Time:	21M
Operation Time:	1H 21M
Sphere Temperature (°C):	24.2

REPORT NUMBER: SP1-2407-157-4

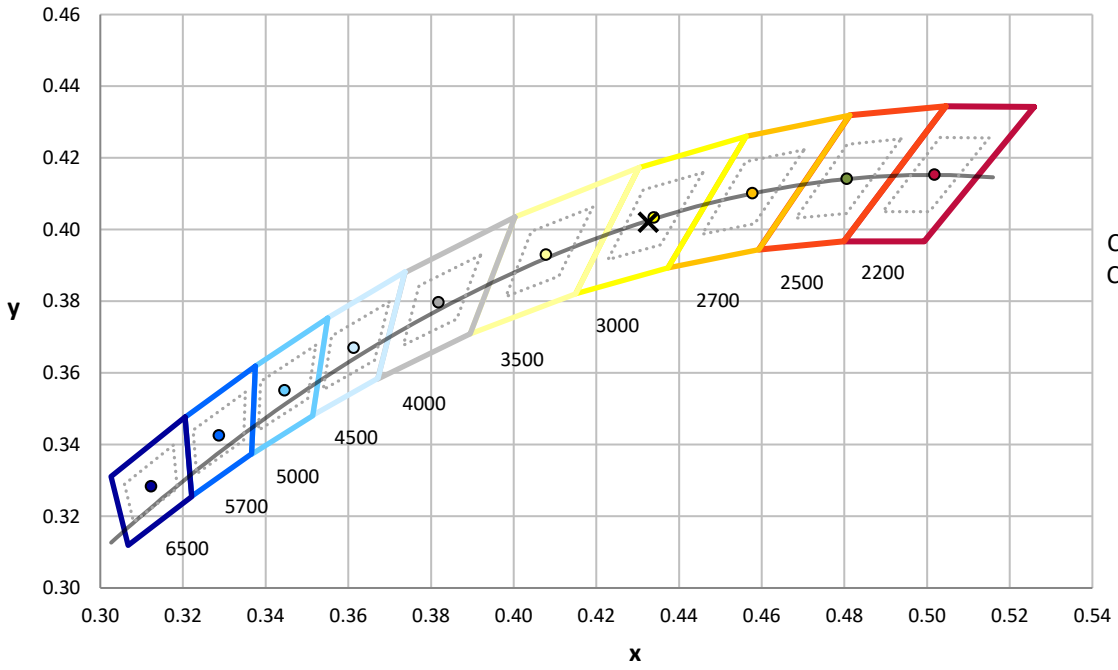
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

REPORT NUMBER: SP1-2407-157-4

CIE 1931 Chromaticity Diagram



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

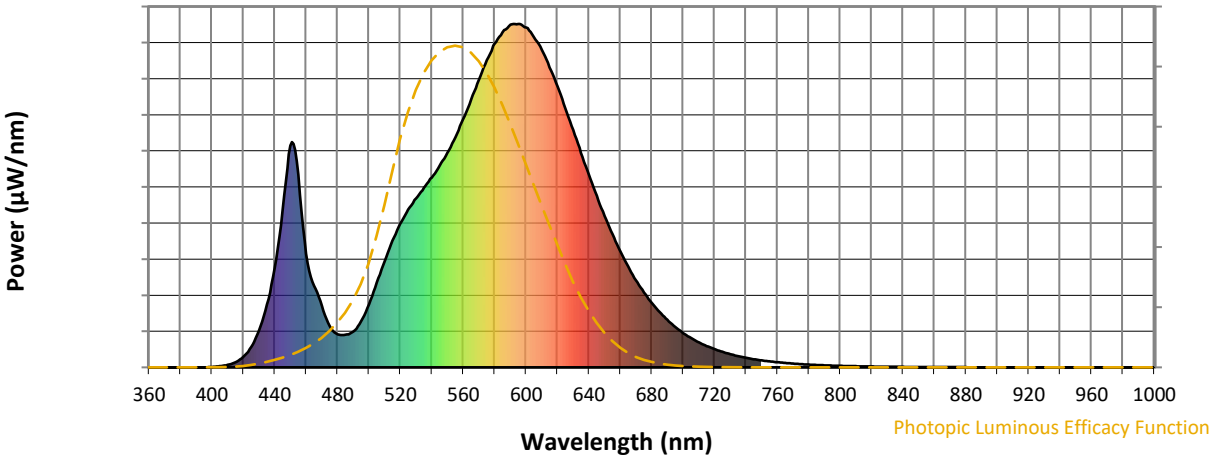


CCT = 3057K
CIE x = 0.4326
CIE y = 0.4020
Duv = -0.0002

Point lies inside the ANSI 3000K 4-step quadrangle

REPORT NUMBER: SP1-2407-157-4

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	104	NR	620	818	NR	750	20	NR	880	1	NR
365	0	NR	495	135	NR	625	755	NR	755	17	NR	885	0	NR
370	0	NR	500	184	NR	630	691	NR	760	15	NR	890	0	NR
375	0	NR	505	247	NR	635	625	NR	765	13	NR	895	0	NR
380	0	NR	510	309	NR	640	561	NR	770	11	NR	900	0	NR
385	0	NR	515	369	NR	645	499	NR	775	9	NR	905	0	NR
390	0	NR	520	419	NR	650	441	NR	780	8	NR	910	0	NR
395	0	NR	525	460	NR	655	388	NR	785	7	NR	915	0	NR
400	1	NR	530	492	NR	660	338	NR	790	6	NR	920	0	NR
405	3	NR	535	524	NR	665	294	NR	795	5	NR	925	0	NR
410	7	NR	540	553	NR	670	253	NR	800	4	NR	930	0	NR
415	15	NR	545	588	NR	675	218	NR	805	4	NR	935	0	NR
420	31	NR	550	625	NR	680	188	NR	810	3	NR	940	0	NR
425	60	NR	555	670	NR	685	161	NR	815	3	NR	945	0	NR
430	107	NR	560	723	NR	690	139	NR	820	3	NR	950	0	NR
435	183	NR	565	780	NR	695	118	NR	825	2	NR	955	0	NR
440	289	NR	570	837	NR	700	100	NR	830	2	NR	960	0	NR
445	460	NR	575	894	NR	705	85	NR	835	2	NR	965	0	NR
450	646	NR	580	942	NR	710	73	NR	840	1	NR	970	0	NR
455	561	NR	585	976	NR	715	62	NR	845	1	NR	975	0	NR
460	331	NR	590	998	NR	720	53	NR	850	1	NR	980	0	NR
465	238	NR	595	1000	NR	725	45	NR	855	1	NR	985	0	NR
470	178	NR	600	990	NR	730	39	NR	860	1	NR	990	0	NR
475	120	NR	605	962	NR	735	33	NR	865	1	NR	995	0	NR
480	96	NR	610	925	NR	740	28	NR	870	1	NR	1000	0	NR
485	95	NR	615	873	NR	745	24	NR	875	1	NR			

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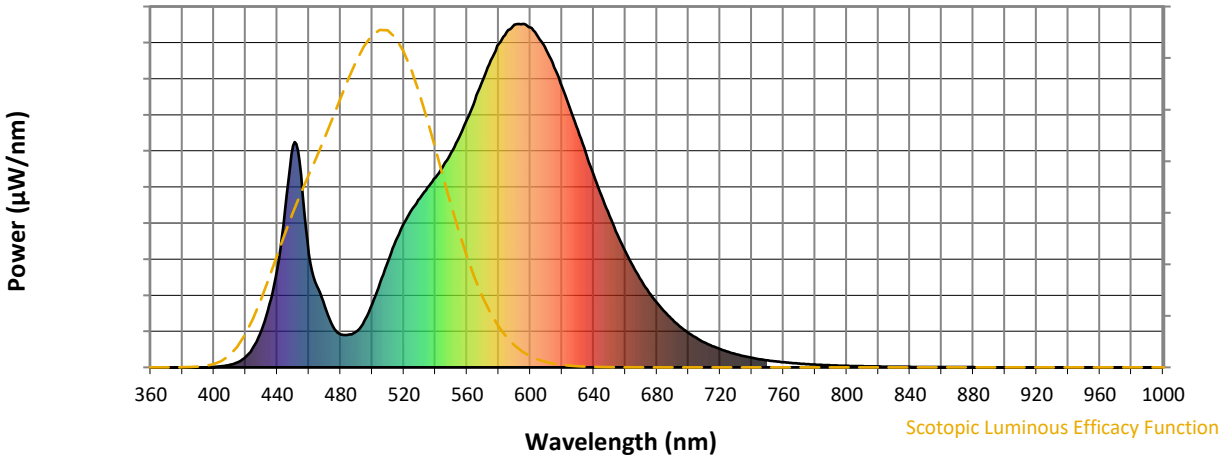
Scotopic Flux vs. Wavelength



Scotopic Lumens: NR **S/P: 1.23**

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	104	NR	620	818	NR	750	20	NR	880	1	NR
365	0	NR	495	135	NR	625	755	NR	755	17	NR	885	0	NR
370	0	NR	500	184	NR	630	691	NR	760	15	NR	890	0	NR
375	0	NR	505	247	NR	635	625	NR	765	13	NR	895	0	NR
380	0	NR	510	309	NR	640	561	NR	770	11	NR	900	0	NR
385	0	NR	515	369	NR	645	499	NR	775	9	NR	905	0	NR
390	0	NR	520	419	NR	650	441	NR	780	8	NR	910	0	NR
395	0	NR	525	460	NR	655	388	NR	785	7	NR	915	0	NR
400	1	NR	530	492	NR	660	338	NR	790	6	NR	920	0	NR
405	3	NR	535	524	NR	665	294	NR	795	5	NR	925	0	NR
410	7	NR	540	553	NR	670	253	NR	800	4	NR	930	0	NR
415	15	NR	545	588	NR	675	218	NR	805	4	NR	935	0	NR
420	31	NR	550	625	NR	680	188	NR	810	3	NR	940	0	NR
425	60	NR	555	670	NR	685	161	NR	815	3	NR	945	0	NR
430	107	NR	560	723	NR	690	139	NR	820	3	NR	950	0	NR
435	183	NR	565	780	NR	695	118	NR	825	2	NR	955	0	NR
440	289	NR	570	837	NR	700	100	NR	830	2	NR	960	0	NR
445	460	NR	575	894	NR	705	85	NR	835	2	NR	965	0	NR
450	646	NR	580	942	NR	710	73	NR	840	1	NR	970	0	NR
455	561	NR	585	976	NR	715	62	NR	845	1	NR	975	0	NR
460	331	NR	590	998	NR	720	53	NR	850	1	NR	980	0	NR
465	238	NR	595	1000	NR	725	45	NR	855	1	NR	985	0	NR
470	178	NR	600	990	NR	730	39	NR	860	1	NR	990	0	NR
475	120	NR	605	962	NR	735	33	NR	865	1	NR	995	0	NR
480	96	NR	610	925	NR	740	28	NR	870	1	NR	1000	0	NR
485	95	NR	615	873	NR	745	24	NR	875	1	NR			

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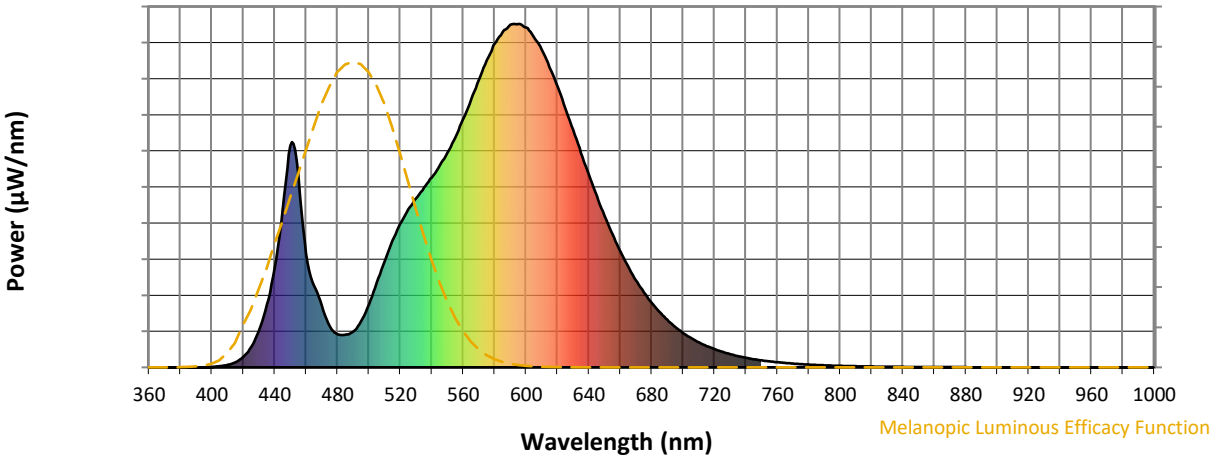
Melanopic Flux vs. Wavelength



Melanopic Lumens: NR **M/P: 2.27**

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	104	NR	620	818	NR	750	20	NR	880	1	NR
365	0	NR	495	135	NR	625	755	NR	755	17	NR	885	0	NR
370	0	NR	500	184	NR	630	691	NR	760	15	NR	890	0	NR
375	0	NR	505	247	NR	635	625	NR	765	13	NR	895	0	NR
380	0	NR	510	309	NR	640	561	NR	770	11	NR	900	0	NR
385	0	NR	515	369	NR	645	499	NR	775	9	NR	905	0	NR
390	0	NR	520	419	NR	650	441	NR	780	8	NR	910	0	NR
395	0	NR	525	460	NR	655	388	NR	785	7	NR	915	0	NR
400	1	NR	530	492	NR	660	338	NR	790	6	NR	920	0	NR
405	3	NR	535	524	NR	665	294	NR	795	5	NR	925	0	NR
410	7	NR	540	553	NR	670	253	NR	800	4	NR	930	0	NR
415	15	NR	545	588	NR	675	218	NR	805	4	NR	935	0	NR
420	31	NR	550	625	NR	680	188	NR	810	3	NR	940	0	NR
425	60	NR	555	670	NR	685	161	NR	815	3	NR	945	0	NR
430	107	NR	560	723	NR	690	139	NR	820	3	NR	950	0	NR
435	183	NR	565	780	NR	695	118	NR	825	2	NR	955	0	NR
440	289	NR	570	837	NR	700	100	NR	830	2	NR	960	0	NR
445	460	NR	575	894	NR	705	85	NR	835	2	NR	965	0	NR
450	646	NR	580	942	NR	710	73	NR	840	1	NR	970	0	NR
455	561	NR	585	976	NR	715	62	NR	845	1	NR	975	0	NR
460	331	NR	590	998	NR	720	53	NR	850	1	NR	980	0	NR
465	238	NR	595	1000	NR	725	45	NR	855	1	NR	985	0	NR
470	178	NR	600	990	NR	730	39	NR	860	1	NR	990	0	NR
475	120	NR	605	962	NR	735	33	NR	865	1	NR	995	0	NR
480	96	NR	610	925	NR	740	28	NR	870	1	NR	1000	0	NR
485	95	NR	615	873	NR	745	24	NR	875	1	NR			

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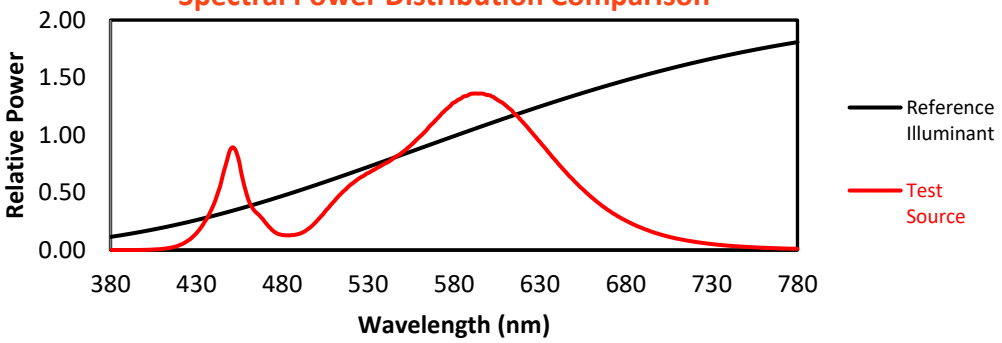
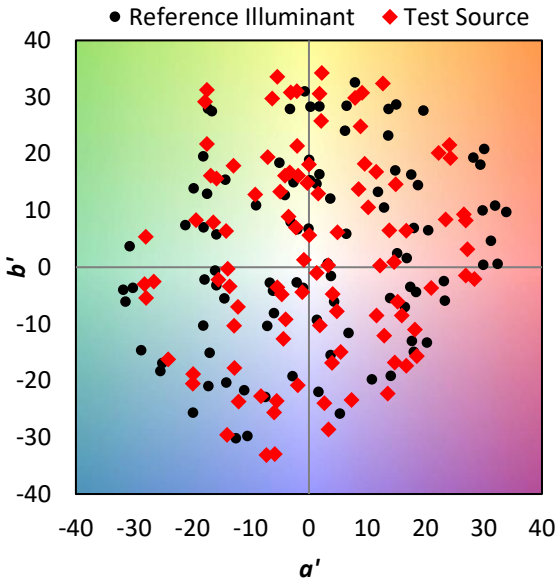
Summary

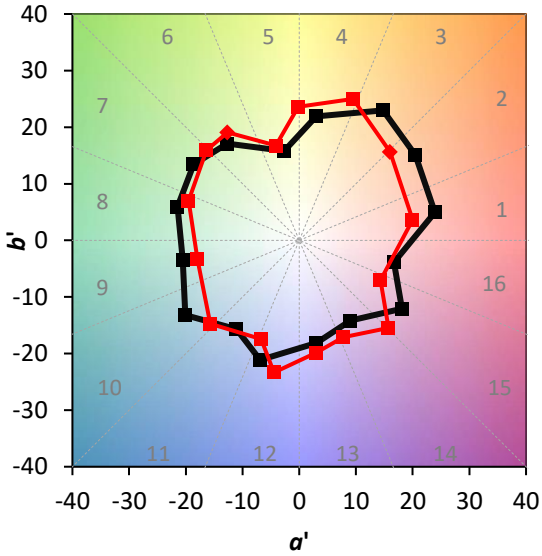
R_f = 74.6
R_g = 94
CIE R_a = 71.7
R_9 = -34.8

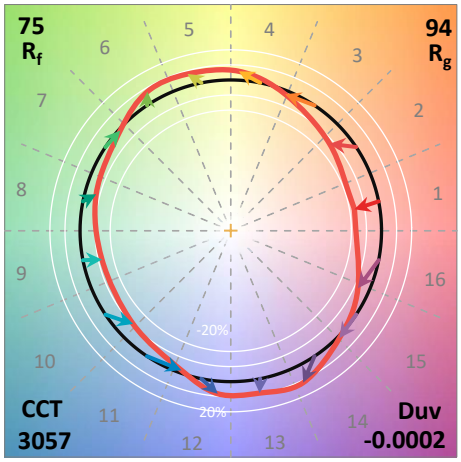
Spectral Power Distribution Comparison

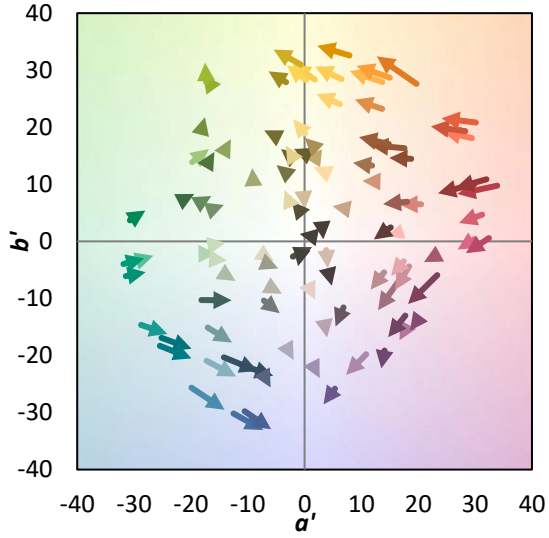


Color Vector Graphics









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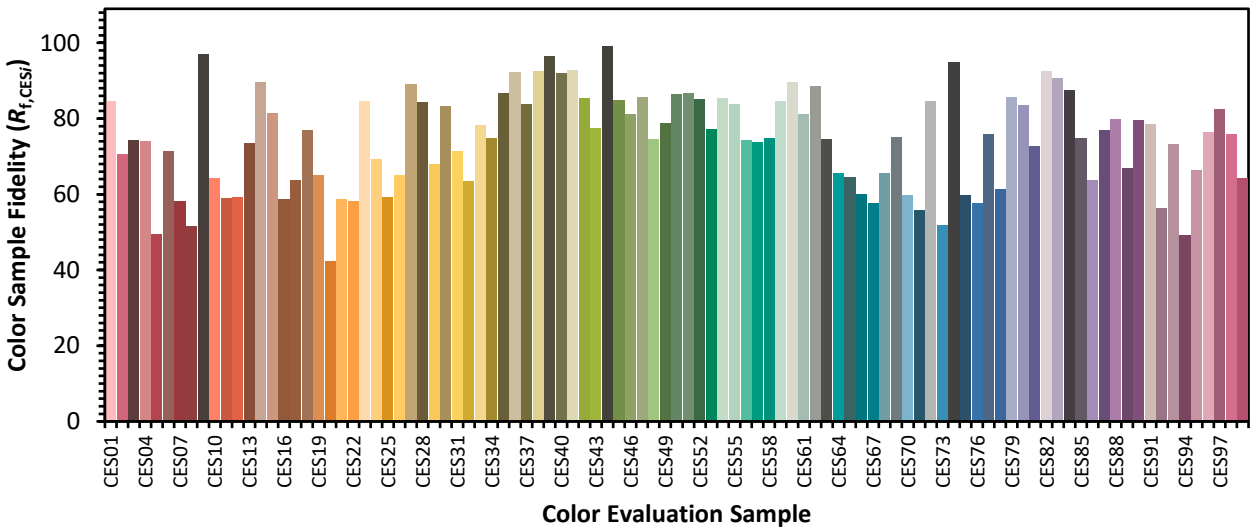
Individual Sample Fidelity Index ($R_{f,i}$)

CES01 = 86	CES26 = 65	CES51 = 87	CES76 = 58
CES02 = 62	CES27 = 89	CES52 = 85	CES77 = 76
CES03 = 31	CES28 = 84	CES53 = 77	CES78 = 61
CES04 = 71	CES29 = 68	CES54 = 85	CES79 = 86
CES05 = 49	CES30 = 83	CES55 = 84	CES80 = 83
CES06 = 51	CES31 = 71	CES56 = 74	CES81 = 73
CES07 = 41	CES32 = 64	CES57 = 74	CES82 = 93
CES08 = 40	CES33 = 78	CES58 = 75	CES83 = 91
CES09 = 29	CES34 = 75	CES59 = 85	CES84 = 88
CES10 = 76	CES35 = 87	CES60 = 90	CES85 = 75
CES11 = 59	CES36 = 92	CES61 = 81	CES86 = 64
CES12 = 65	CES37 = 84	CES62 = 89	CES87 = 77
CES13 = 43	CES38 = 92	CES63 = 75	CES88 = 80
CES14 = 74	CES39 = 96	CES64 = 65	CES89 = 67
CES15 = 71	CES40 = 92	CES65 = 64	CES90 = 80
CES16 = 47	CES41 = 93	CES66 = 60	CES91 = 78
CES17 = 50	CES42 = 86	CES67 = 58	CES92 = 56
CES18 = 56	CES43 = 77	CES68 = 66	CES93 = 73
CES19 = 73	CES44 = 99	CES69 = 75	CES94 = 49
CES20 = 66	CES45 = 85	CES70 = 60	CES95 = 66
CES21 = 87	CES46 = 81	CES71 = 56	CES96 = 76
CES22 = 79	CES47 = 86	CES72 = 85	CES97 = 82
CES23 = 92	CES48 = 75	CES73 = 52	CES98 = 76
CES24 = 91	CES49 = 79	CES74 = 95	CES99 = 64
CES25 = 73	CES50 = 86	CES75 = 60	



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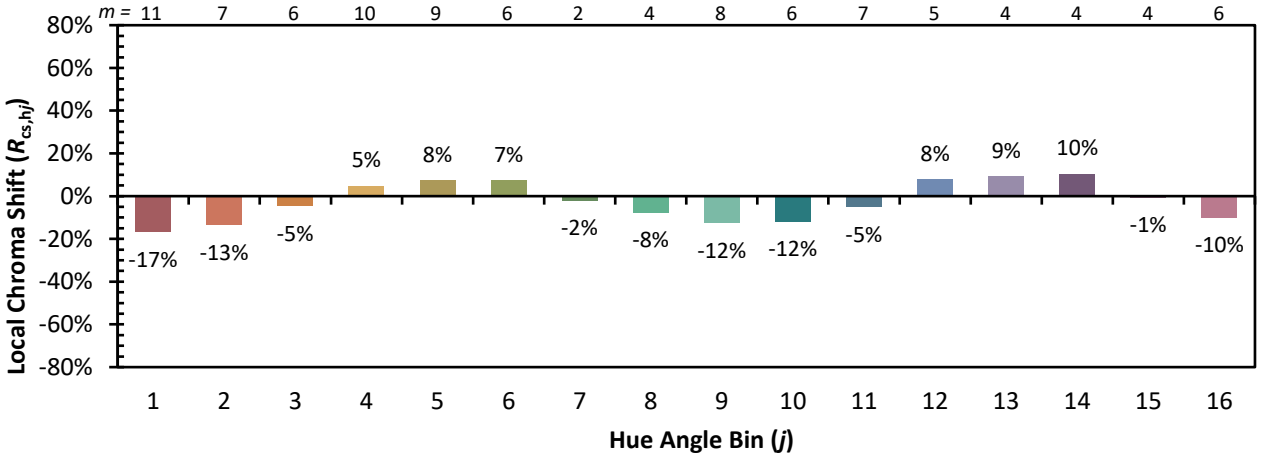
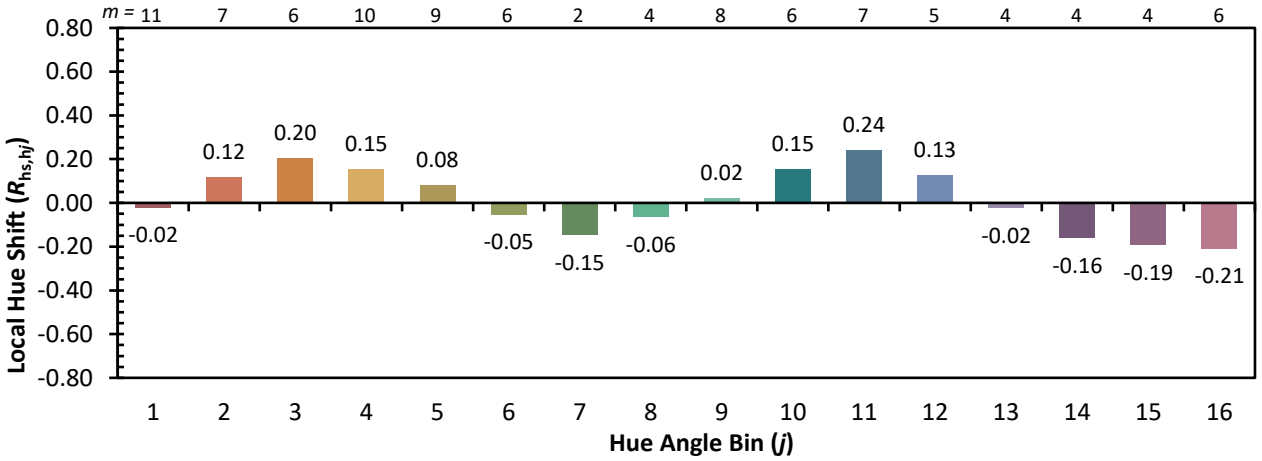
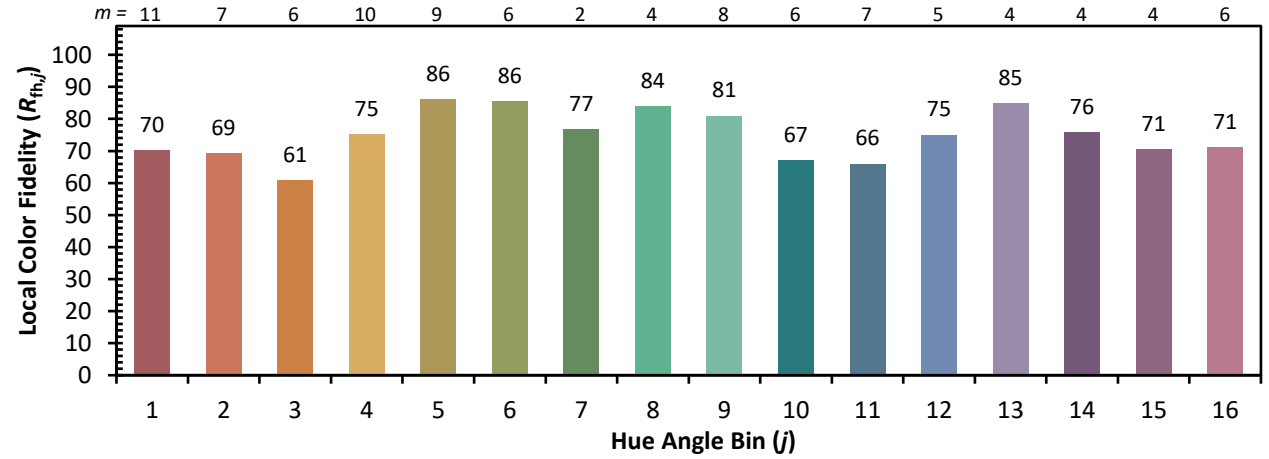
Color Rendition by Hue-Angle Bin







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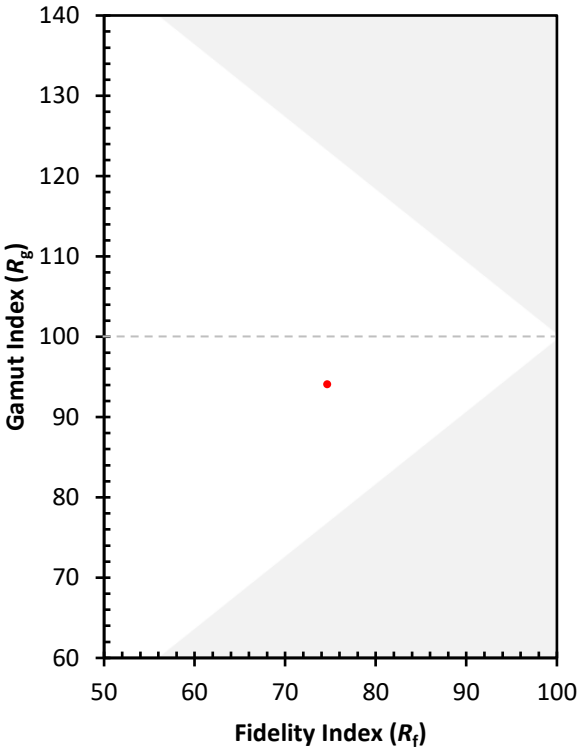
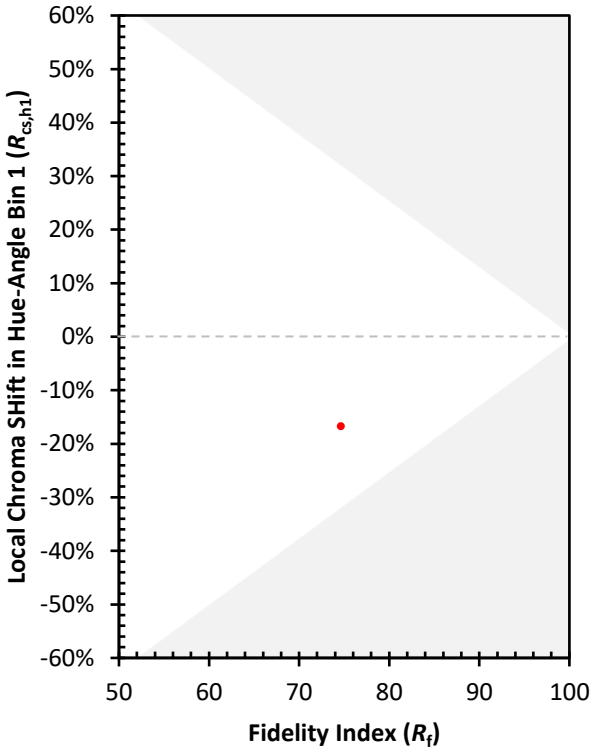
Measure Comparisons





(END OF REPORT)