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: P868955

Luminaire Tested: **EMM2-HSN-SA3B-730-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:	P868955
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-T3
Description:	EPIC MODERN SHORT HOUSING DISCRETE LED ARRAYS 150W 70CRI 3000K FIXTURE w/ TYPE III DISTRIBUTION OPTIC
Light Source:	(30) 3000K CCT, 70 CRI LEDS
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	18051.4 lumens
Efficiency:	N/A
Efficacy:	134.7 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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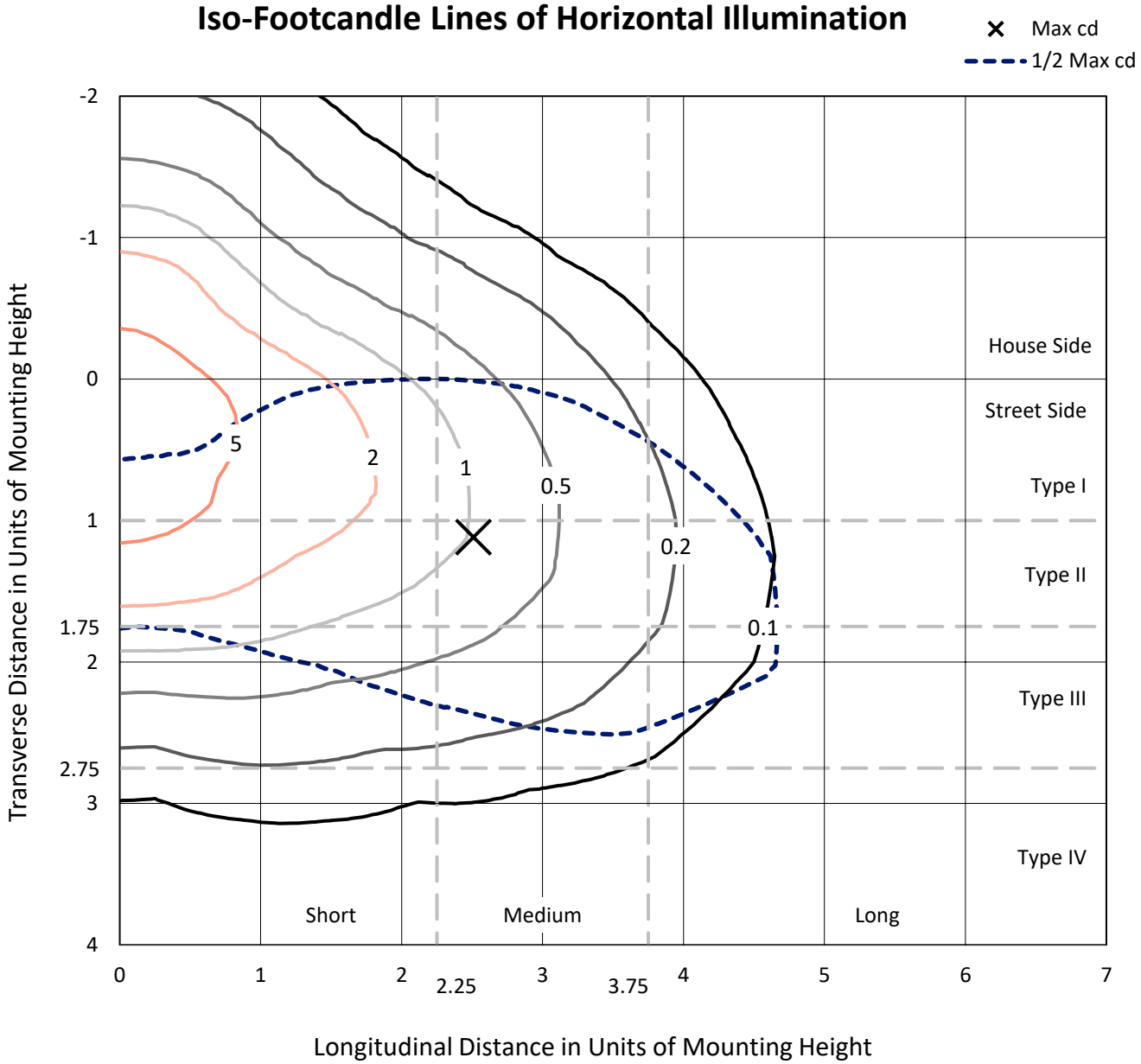
REPORT NUMBER: P868955
CATALOG NUMBER: EMM2-HSN-SA3B-730-U-T3

Iso-Footcandle Lines of Horizontal Illumination



Based on 20 foot mounting height. Maximum calculated value = 8.3 fc
Type III - Medium - N/A

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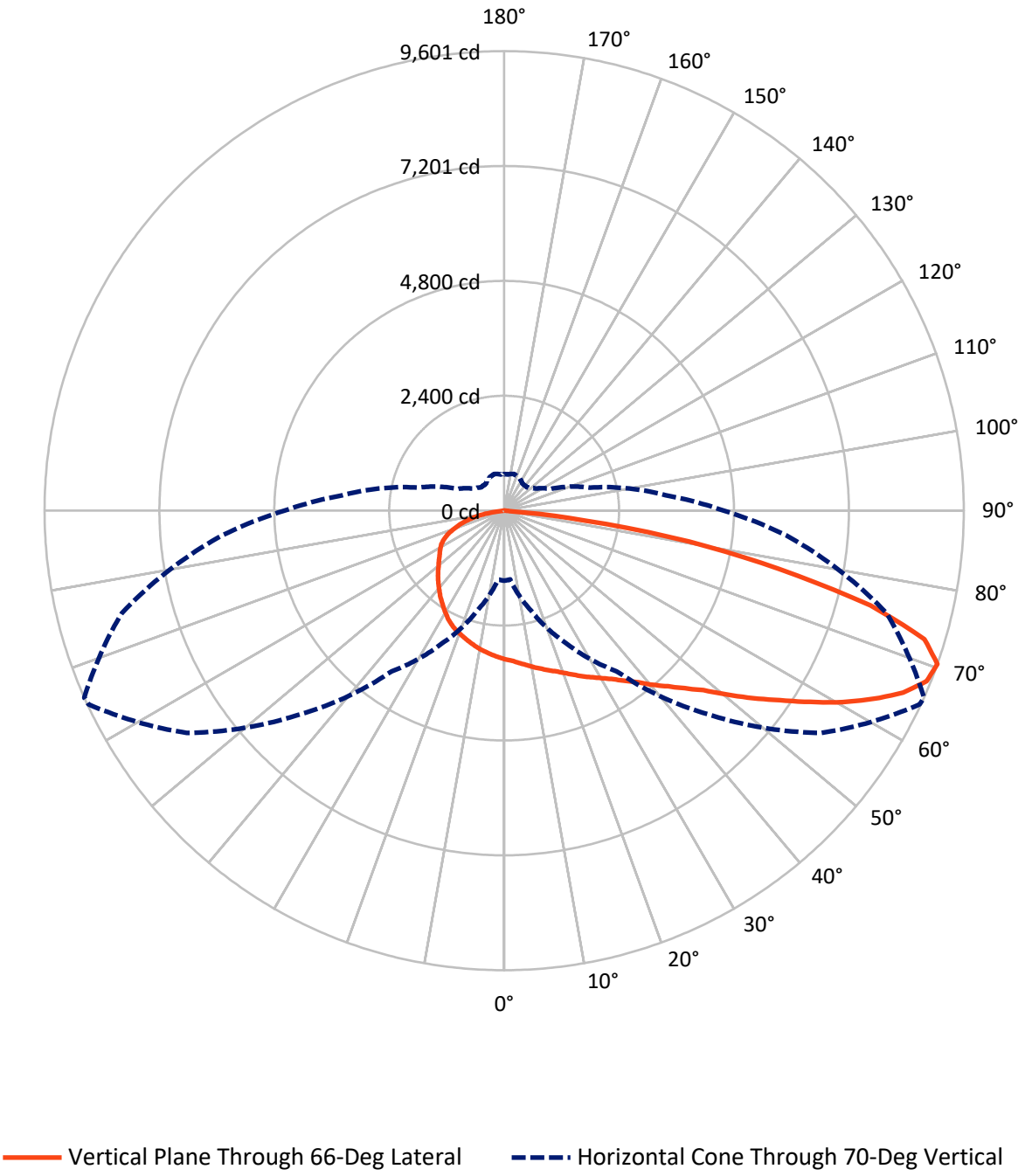
Luminous Intensity Polar Plot



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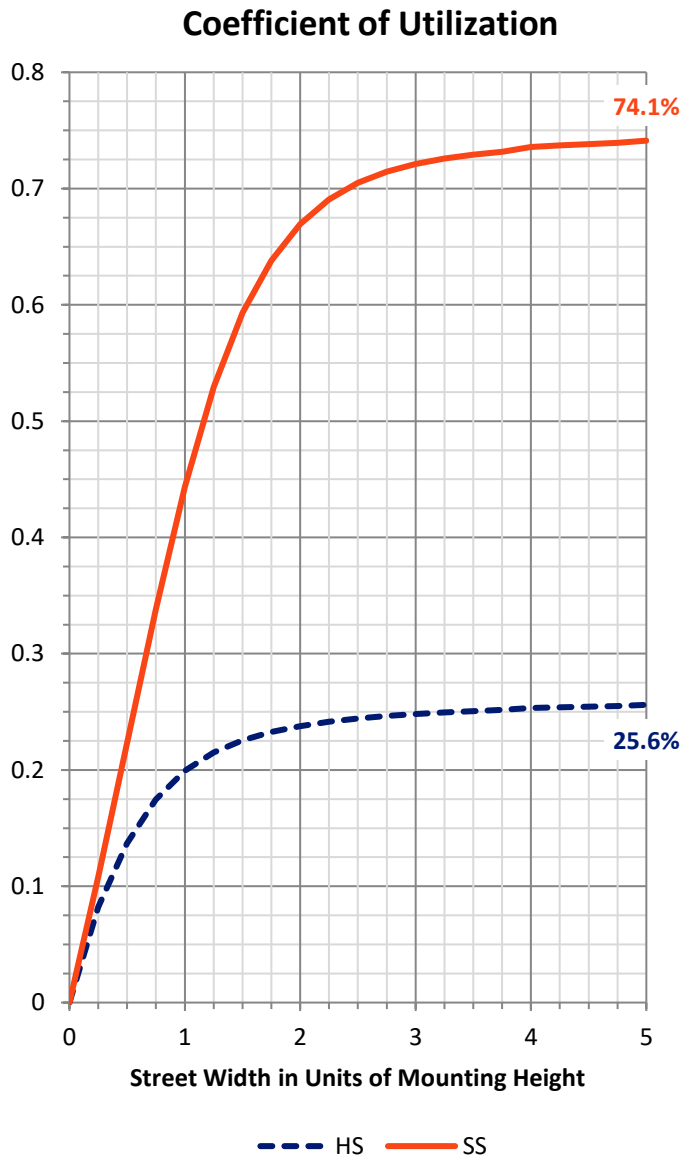
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4652.0	0.0	4652.0
	% Fixture	25.8	0.0	25.8
Street Side	Lumens	13399.4	0.0	13399.4
	% Fixture	74.2	0.0	74.2
Total	Lumens	18051.4	0.0	18051.4
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	297.2	1.6
10°-20°	885.3	4.9
20°-30°	1487.0	8.2
30°-40°	2240.3	12.4
40°-50°	3041.5	16.8
50°-60°	3614.3	20.0
60°-70°	3688.6	20.4
70°-80°	2467.1	13.7
80°-90°	330.1	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°	18051.4	100.0
0°-180°	18051.4	100.0



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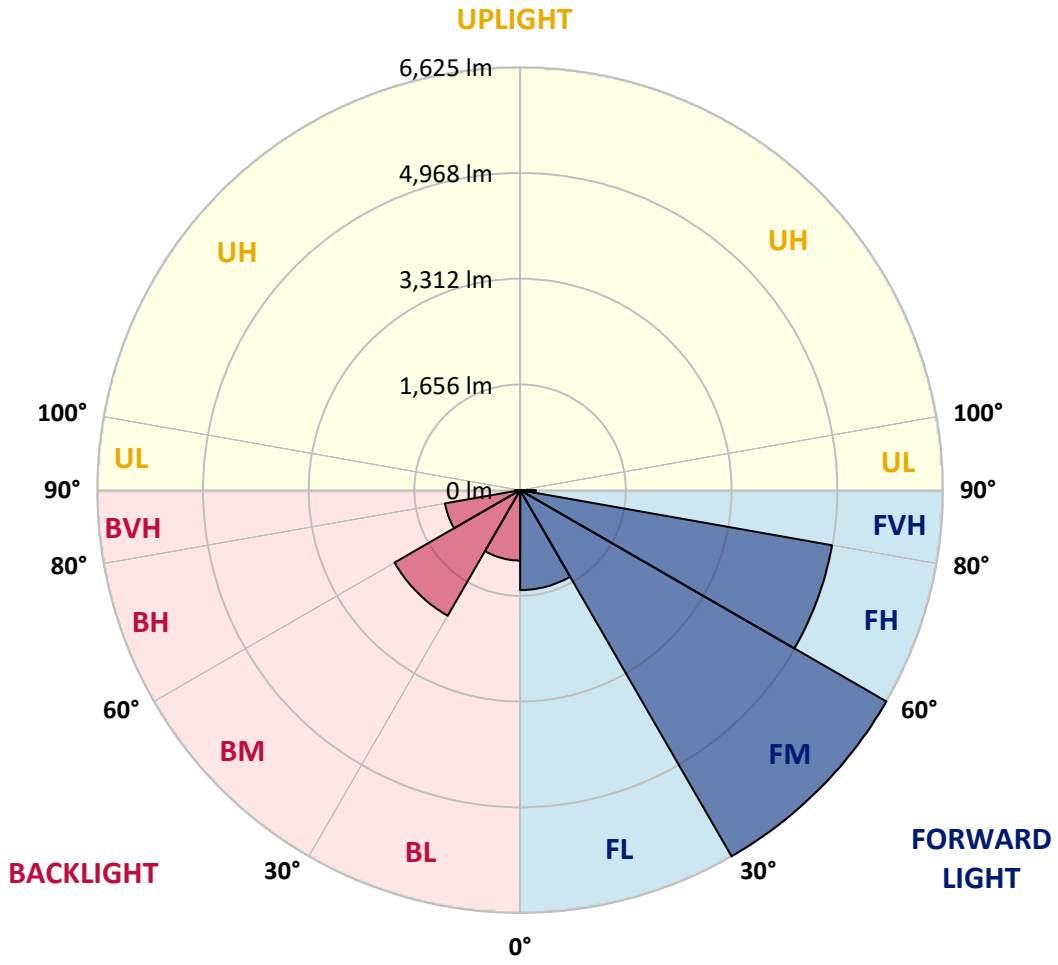
LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	1566.5	8.7			
FM	(30°-60°)	6624.5	36.7			
FH	(60°-80°)	4961.2	27.5			G2/5000
FVH	(80°-90°)	247.2	1.4			G3/500
BL	(0°-30°)	1103.1	6.1	B3/2500		
BM	(30°-60°)	2271.6	12.6	B2/2500		
BH	(60°-80°)	1194.5	6.6	B3/2500		G3/2500
BVH	(80°-90°)	82.8	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: P868955
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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	66°	75°	85°
0°	3105.8	3105.8	3105.8	3105.8	3105.8	3105.8	3105.8	3105.8	*3105.8*	3105.8	3105.8
2.5°	3217.0	3202.7	3191.9	3199.1	3177.6	3184.7	3159.6	3141.7	*3138.1*	3130.9	3123.8
5°	3317.4	3317.4	3299.5	3299.5	3274.4	3270.8	3235.0	3195.5	*3195.5*	3170.4	3141.7
7.5°	3425.0	3417.9	3396.3	3392.8	3364.1	3356.9	3317.4	3256.5	*3252.9*	3206.3	3163.2
10°	3500.3	3503.9	3489.6	3489.6	3468.1	3450.1	3392.8	3328.2	*3321.0*	3260.1	3191.9
12.5°	3557.7	3564.9	3561.3	3561.3	3543.4	3543.4	3478.8	3392.8	*3385.6*	3306.7	3209.8
15°	3618.7	3615.1	3625.9	3629.5	3622.3	3611.5	3564.9	3464.5	*3460.9*	3356.9	3235.0
17.5°	3672.5	3668.9	3672.5	3690.4	3694.0	3694.0	3647.4	3543.4	*3529.0*	3417.9	3256.5
20°	3704.8	3711.9	3726.3	3747.8	3758.6	3787.3	3747.8	3636.6	*3622.3*	3482.4	3303.1
22.5°	3826.7	3805.2	3816.0	3830.3	3844.6	3884.1	3848.2	3733.5	*3722.7*	3579.2	3356.9
25°	4034.7	4034.7	4009.6	3984.5	3966.6	3984.5	3955.8	3844.6	*3837.5*	3665.3	3417.9
27.5°	4397.0	4397.0	4343.2	4249.9	4131.6	4099.3	4077.8	3963.0	*3941.5*	3758.6	3457.3
30°	4856.0	4870.4	4773.5	4615.7	4397.0	4253.5	4199.7	4074.2	*4063.4*	3851.8	3518.3
32.5°	5347.4	5376.0	5304.3	5074.8	4716.1	4436.4	4350.3	4221.2	*4196.1*	3963.0	3597.2
35°	5788.5	5817.2	5720.3	5505.2	5046.1	4701.8	4529.6	4382.6	*4368.3*	4106.5	3715.5
37.5°	6147.1	6154.3	6093.3	5831.5	5322.2	4924.2	4752.0	4576.3	*4547.6*	4278.6	3841.1
40°	6527.3	6556.0	6495.0	6172.2	5573.3	5164.4	4974.4	4809.4	*4784.3*	4457.9	3959.4
42.5°	6925.4	6921.8	6921.8	6466.3	5824.3	5365.3	5214.7	5031.7	*5017.4*	4640.8	4088.5
45°	7169.3	7183.6	7144.2	6642.1	6193.7	5573.3	5447.8	5315.1	*5290.0*	4895.5	4257.1
47.5°	7230.2	7197.9	7018.6	6778.3	6609.8	5788.5	5741.9	5663.0	*5605.6*	5175.2	4465.1
50°	7147.7	7097.5	6993.5	6839.3	6764.0	6046.7	6039.5	6079.0	*6039.5*	5515.9	4705.4
52.5°	6839.3	6832.1	6814.2	6850.1	6728.1	6251.1	6376.7	6512.9	*6505.8*	5863.8	4956.4
55°	6190.2	6236.8	6452.0	6677.9	6591.8	6391.0	6753.2	7015.0	*6986.3*	6272.7	5214.7
57.5°	5526.7	5573.3	5849.5	6387.4	6459.1	6541.6	7176.4	7585.3	*7538.7*	6717.4	5451.4
60°	4949.3	4899.1	5175.2	5949.9	6272.7	6677.9	7596.0	8162.7	*8123.2*	7162.1	5695.2
62.5°	4034.7	4084.9	4526.1	5311.5	6010.8	6764.0	7940.3	8686.3	*8661.2*	7570.9	5892.5
65°	3191.9	3123.8	3787.3	4640.8	5559.0	6735.3	8238.0	9177.7	*9159.7*	7972.6	6043.1
67.5°	2169.8	2123.2	2998.2	3973.8	4945.7	6505.8	8306.2	9507.6	*9514.8*	8209.3	6082.6
70°	*1463.3*	*1441.7*	*2155.4*	*3055.6*	*4095.7*	*6010.8*	*8094.6*	*9575.7*	*9600.8*	*8270.3*	*5906.8*
72.5°	1079.5	1075.9	1578.0	2180.5	3048.5	5074.8	7517.1	9131.0	*9177.7*	7839.9	5390.4
75°	850.0	860.7	1126.1	1549.3	2033.5	3755.0	6322.9	7829.2	*7900.9*	6771.2	4475.9
77.5°	695.8	695.8	789.0	1111.8	1359.3	2331.2	4547.6	5731.1	*5874.6*	5225.4	3446.6
80°	563.1	573.8	584.6	774.7	900.2	1330.6	2646.8	3823.1	*3927.1*	3640.2	2489.0
82.5°	308.4	330.0	319.2	401.7	451.9	616.9	1050.8	1545.7	*1703.5*	1517.1	1129.7
85°	21.5	14.3	25.1	32.3	39.5	61.0	82.5	114.8	*107.6*	154.2	78.9
87.5°	3.6	3.6	3.6	7.2	7.2	10.8	14.3	14.3	*14.3*	14.3	14.3
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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CATALOG NUMBER: EMM2-HSN-SA3B-730-U-T3

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	3105.8	3105.8	3105.8	3105.8	3105.8	3105.8	3105.8	3105.8	3105.8	3105.8	3105.8
2.5°	3120.2	3102.3	3073.6	3066.4	3055.6	3041.3	3026.9	3005.4	2998.2	3005.4	3012.6
5°	3123.8	3098.7	3052.0	3023.4	2994.7	2969.6	2940.9	2912.2	2894.2	2897.8	2912.2
7.5°	3134.5	3098.7	3026.9	2980.3	2933.7	2894.2	2847.6	2815.3	2793.8	2797.4	2808.2
10°	3148.9	3098.7	3012.6	2933.7	2869.1	2811.8	2765.1	2725.7	2704.2	2700.6	2704.2
12.5°	3152.5	3095.1	2980.3	2883.5	2804.6	2729.3	2679.1	2643.2	2621.7	2610.9	2618.1
15°	3163.2	3084.3	2948.0	2829.7	2732.9	2654.0	2593.0	2549.9	2535.6	2528.4	2524.8
17.5°	3177.6	3080.7	2919.3	2775.9	2661.1	2571.5	2517.7	2474.6	2456.7	2449.5	2456.7
20°	3199.1	3084.3	2887.1	2722.1	2596.6	2506.9	2445.9	2402.9	2388.6	2385.0	2381.4
22.5°	3227.8	3091.5	2862.0	2671.9	2524.8	2435.2	2374.2	2345.5	2334.8	2338.3	2338.3
25°	3256.5	3098.7	2826.1	2603.7	2449.5	2356.3	2313.2	2291.7	2298.9	2313.2	2313.2
27.5°	3281.6	3095.1	2775.9	2532.0	2359.9	2273.8	2241.5	2245.1	2263.0	2288.1	2291.7
30°	3313.9	3095.1	2722.1	2442.4	2259.4	2177.0	2169.8	2198.5	2227.2	2252.3	2252.3
32.5°	3364.1	3116.6	2679.1	2352.7	2155.4	2090.9	2123.2	2162.6	2194.9	2220.0	2227.2
35°	3450.1	3163.2	2650.4	2263.0	2055.0	2008.4	2069.4	2133.9	2155.4	2173.4	2177.0
37.5°	3532.6	3206.3	2614.5	2177.0	1951.0	1933.1	2015.6	2083.7	2087.3	2098.1	2098.1
40°	3611.5	3238.5	2567.9	2083.7	1850.6	1850.6	1947.4	2004.8	1997.6	1986.9	1990.5
42.5°	3697.6	3256.5	2514.1	1997.6	1768.1	1768.1	1847.0	1897.2	1893.6	1908.0	1918.7
45°	3801.6	3292.3	2442.4	1918.7	1682.0	1667.7	1732.2	1775.3	1829.1	1893.6	1911.6
47.5°	3945.1	3342.5	2385.0	1832.7	1610.3	1560.1	1585.2	1674.9	1735.8	1789.6	1796.8
50°	4095.7	3414.3	2334.8	1743.0	1524.2	1434.6	1456.1	1556.5	1592.4	1613.9	1624.6
52.5°	4257.1	3471.7	2291.7	1667.7	1434.6	1305.5	1334.1	1431.0	1456.1	1474.0	1477.6
55°	4397.0	3518.3	2237.9	1596.0	1337.7	1183.5	1219.4	1312.6	1337.7	1359.3	1359.3
57.5°	4544.0	3561.3	2202.1	1535.0	1233.7	1083.1	1108.2	1201.5	1237.3	1244.5	1255.2
60°	4665.9	3600.8	2169.8	1477.6	1136.9	993.4	1011.4	1093.9	1136.9	1140.5	1147.7
62.5°	4752.0	3625.9	2151.9	1405.9	1040.1	903.8	918.1	1000.6	1050.8	1061.6	1065.2
65°	4805.8	3640.2	2119.6	1312.6	957.6	828.5	828.5	911.0	961.2	986.3	993.4
67.5°	4780.7	3615.1	2033.5	1205.0	882.3	753.1	749.6	832.0	875.1	889.4	893.0
70°	*4587.0*	*3468.1*	*1857.8*	*1072.3*	*803.4*	*685.0*	*677.8*	*753.1*	*792.6*	*760.3*	*763.9*
72.5°	4192.5	3134.5	1617.5	939.6	720.9	620.5	613.3	677.8	681.4	681.4	677.8
75°	3532.6	2560.7	1291.1	799.8	634.8	552.3	555.9	606.1	609.7	627.6	616.9
77.5°	2707.7	1897.2	1007.8	638.4	538.0	491.3	509.3	527.2	552.3	577.4	552.3
80°	1968.9	1309.0	699.4	477.0	416.0	416.0	423.2	441.1	477.0	502.1	477.0
82.5°	842.8	577.4	322.8	236.7	204.4	200.8	204.4	204.4	251.0	258.2	225.9
85°	64.6	53.8	39.5	39.5	32.3	17.9	17.9	14.3	10.8	10.8	10.8
87.5°	14.3	10.8	10.8	10.8	7.2	7.2	7.2	7.2	7.2	7.2	7.2
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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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

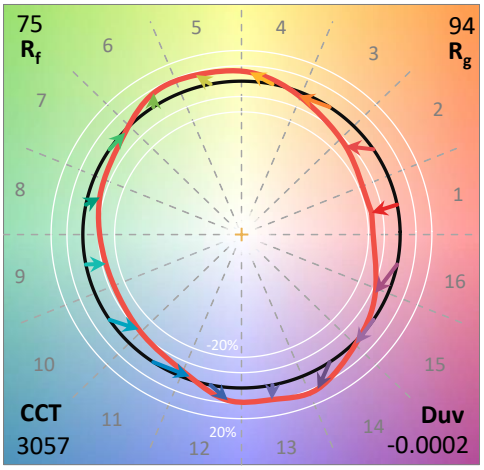
Report Generated By FNC07603 / LDUCLS01DT446
Version: v7.04

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				



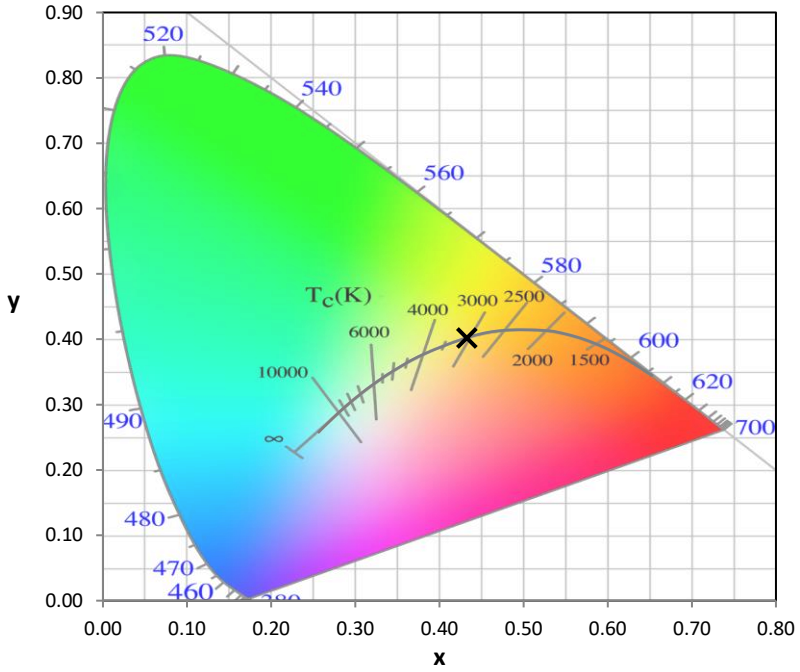
Test Conditions

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

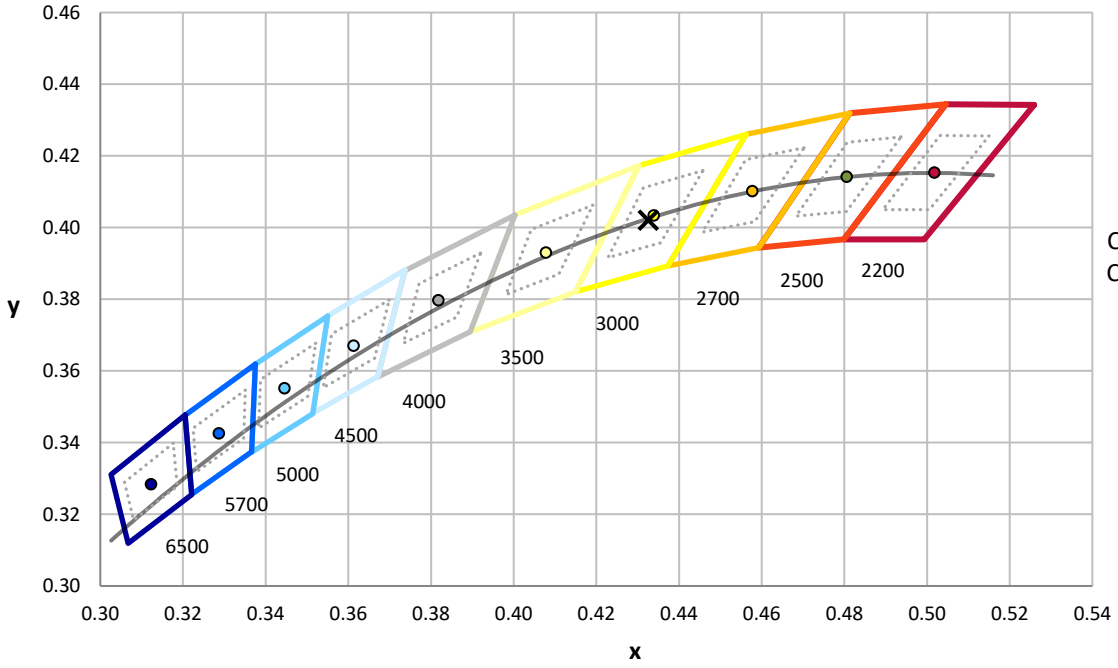
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

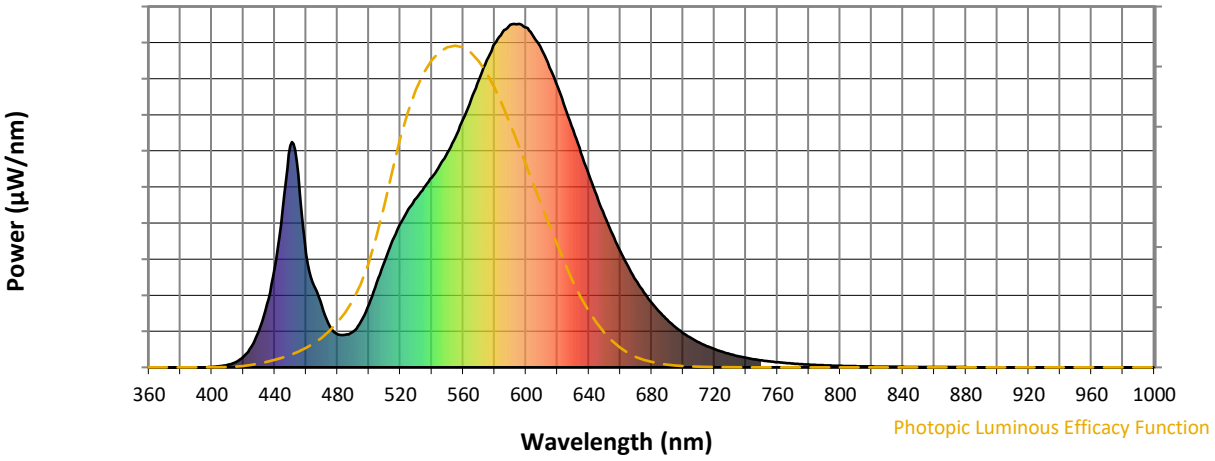


CCT = 3057K
CIE x = 0.4326
CIE y = 0.4020
Duv = -0.0002

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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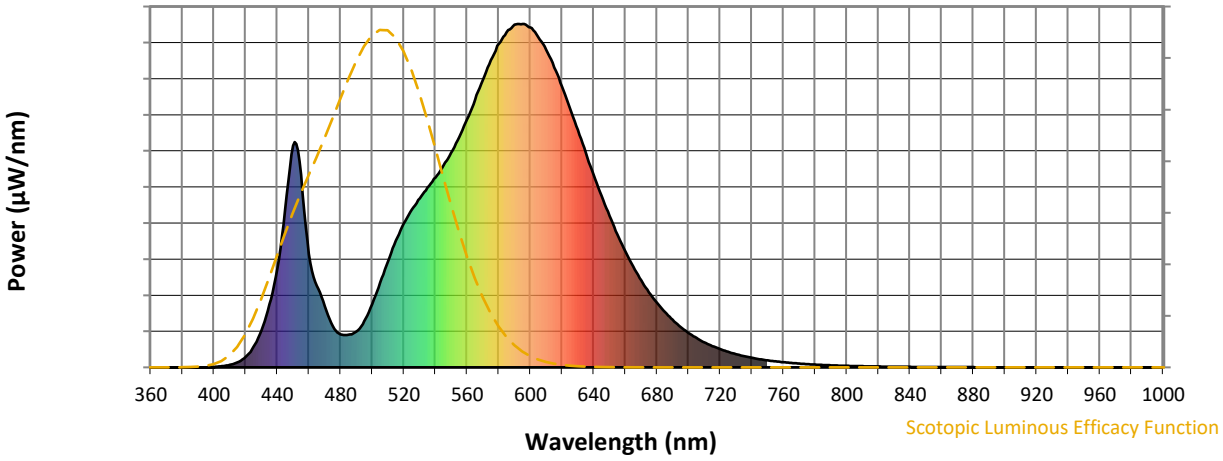
Scotopic Flux vs. Wavelength



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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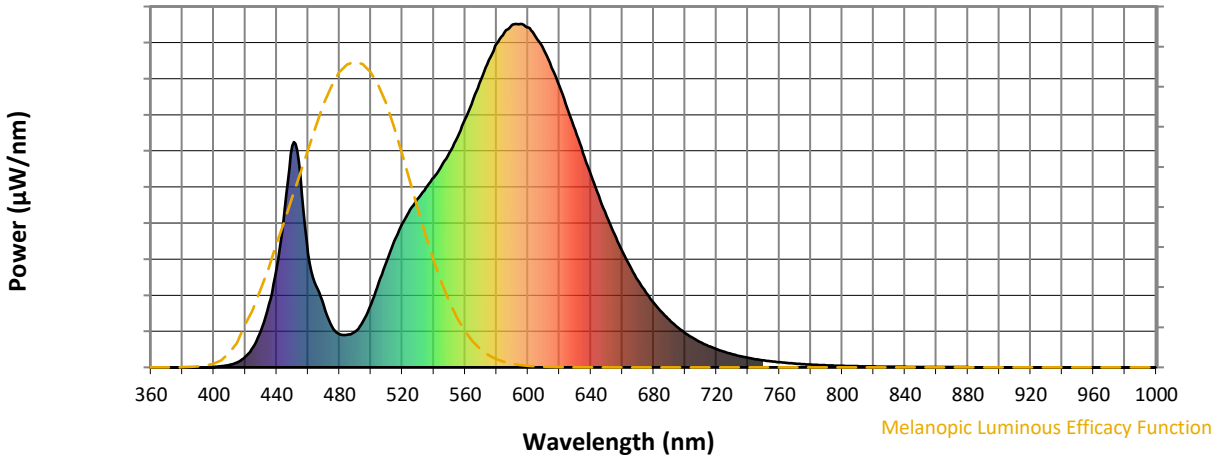
Melanopic Flux vs. Wavelength



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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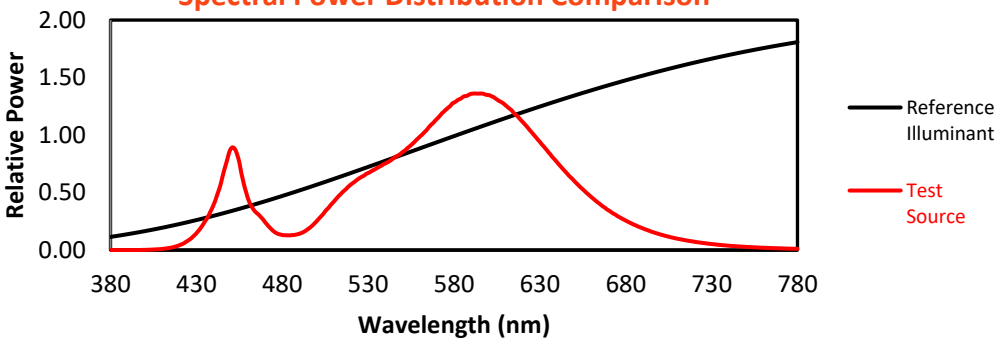
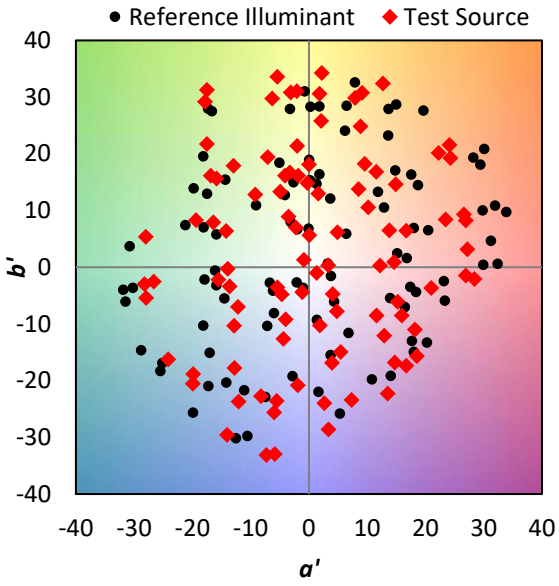
Summary

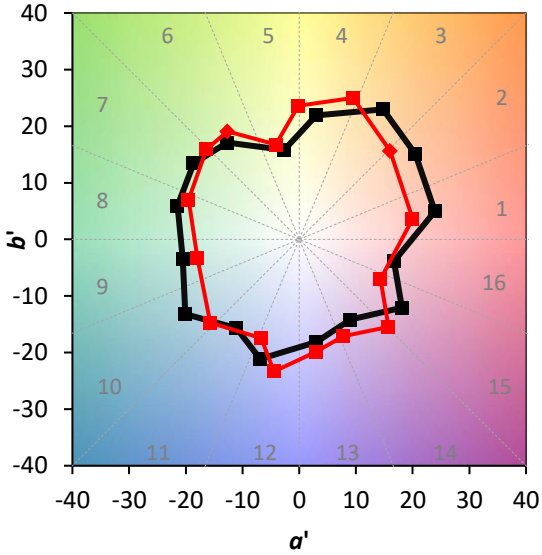
R_f = 74.6
R_g = 94
CIE R_a = 71.7
R_9 = -34.8

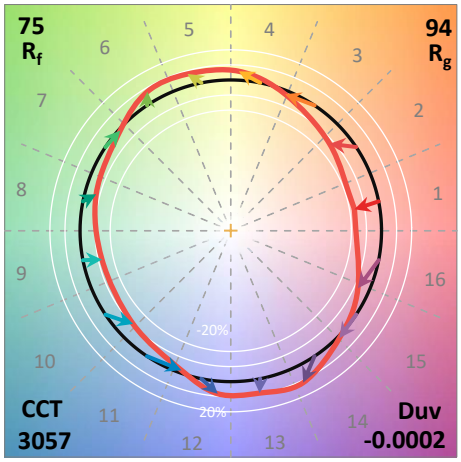
Spectral Power Distribution Comparison

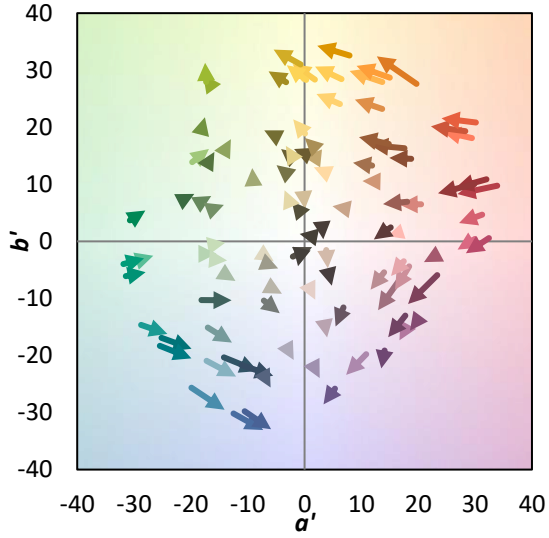


Color Vector Graphics









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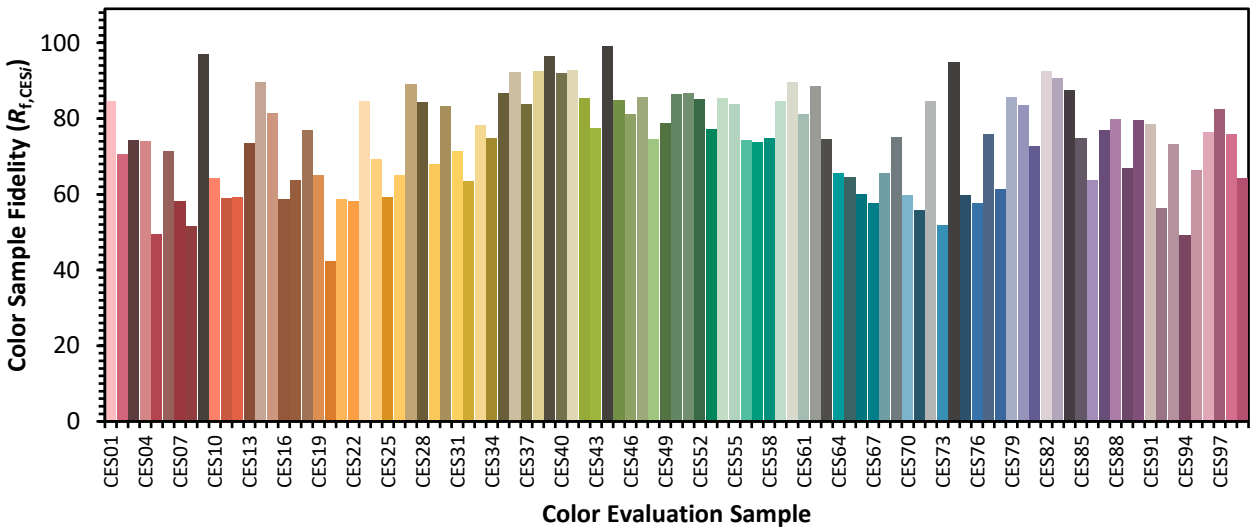
Individual Sample Fidelity Index ($R_{f,i}$)

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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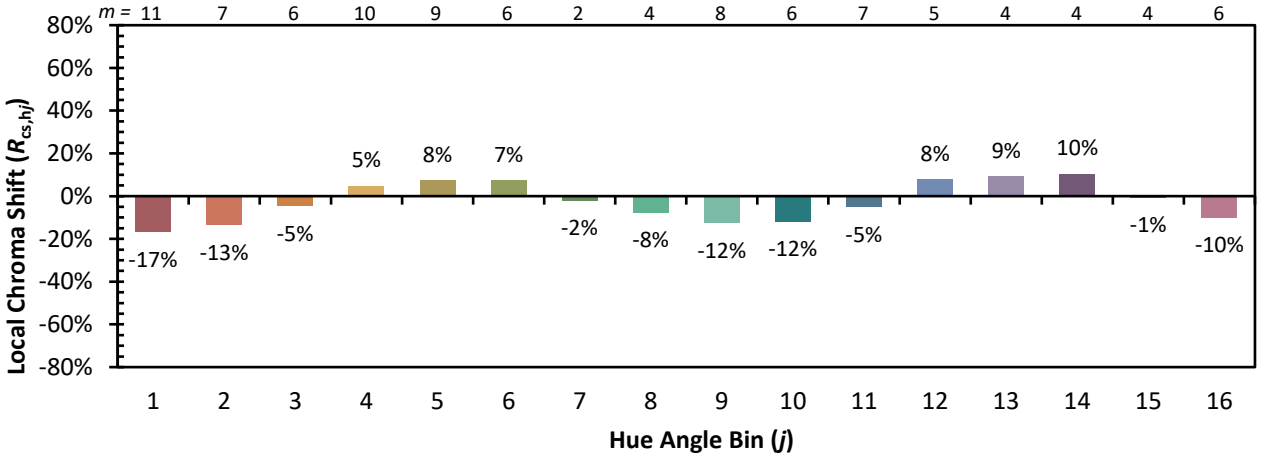
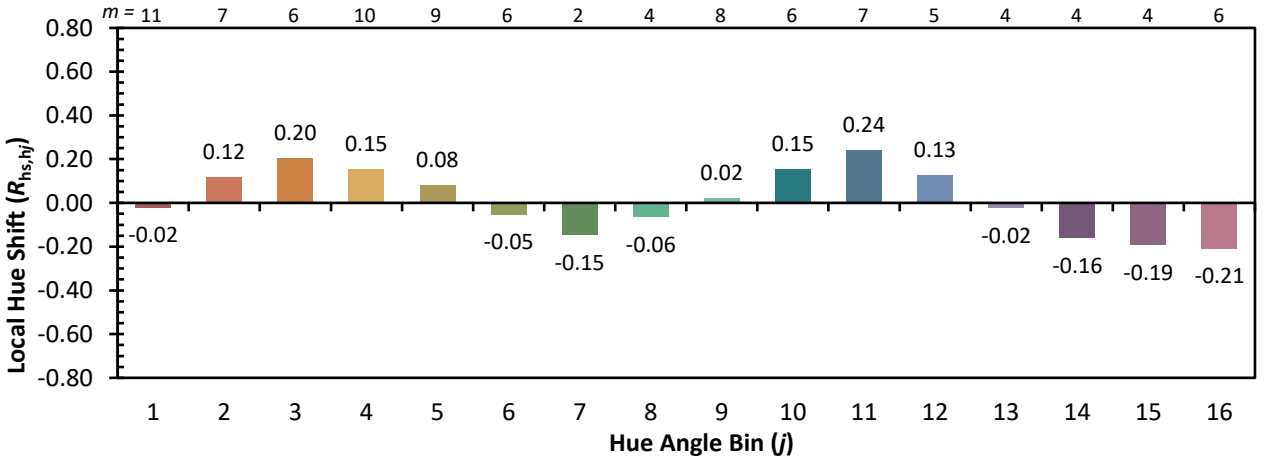
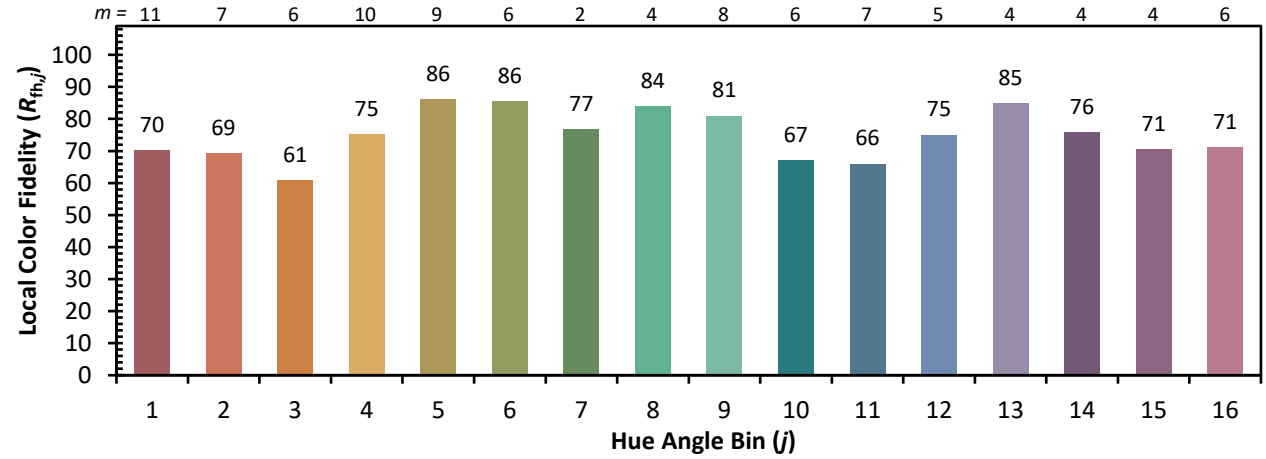
Color Rendition by Hue-Angle Bin







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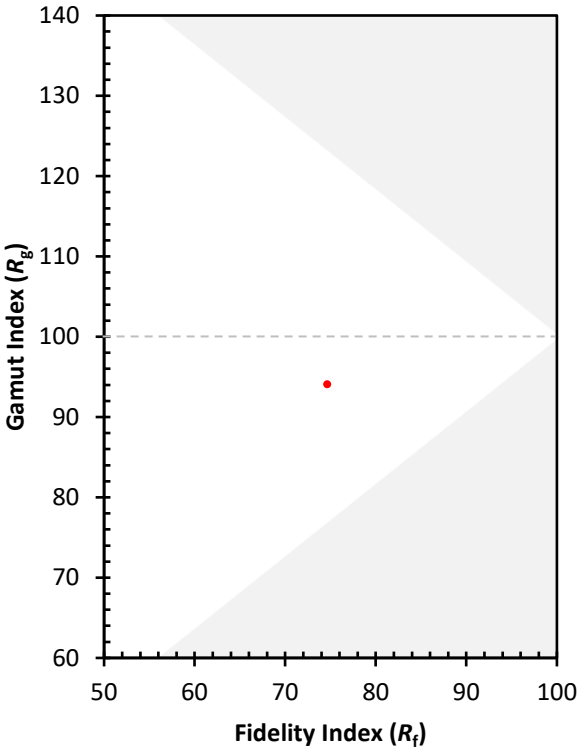
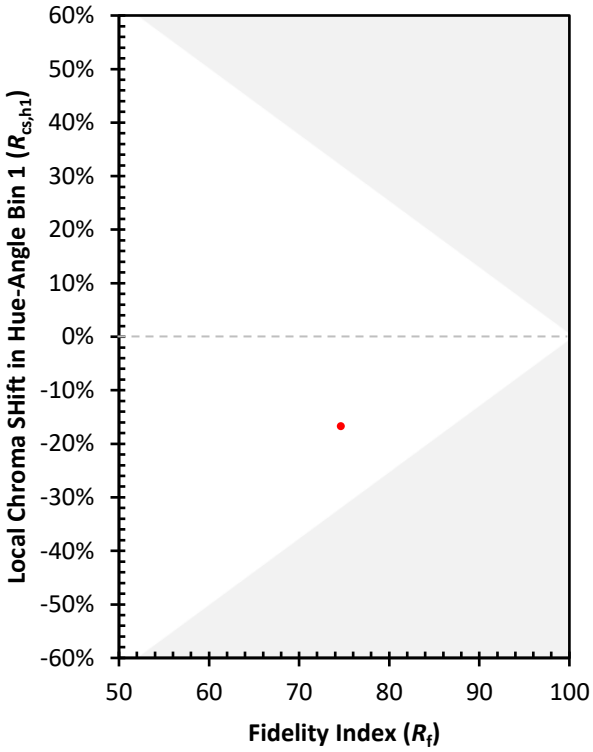
Measure Comparisons





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