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: LUMARK

Report Number: P1067000

Luminaire Tested: **NAV-SA5D-730-U-T3BC**

Issue Date: 08/07/2025

Report Generated By 670347003

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:	P1067000
Test Lab:	INNOVATION CENTER(G3)
Issue Date:	08/07/2025
Manufacturer:	COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line:	LUMARK
Catalog Number:	NAV-SA5D-730-U-T3BC
Description:	Navion AREA AND ROADWAY LUMINAIRE 1200mA 5xLight Square PACKAGE 70CRI 3000K FIXTURE w/ TYPE III ANGLED BACKLIGHT CONTROL
Light Source:	(70) 3000K CCT, 70 CRI LEDS
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	28952.6 lumens
Efficiency:	N/A
Efficacy:	107.4 lumens/watt
Luminous Opening:	Rectangular (W 1' x L: 1.5' x H: 0')
IES Classification:	Type III - Short
BUG Rating:	B0 - U0 - G5

Input Watts (W):	269.7
Input Voltage (V):	120
Input Current (Ain):	NR
Voltage Rise (V):	NR
Power Factor:	0.97
Total Harmonic Distortion (THDi):	NR
Frequency (hertz):	60
Stabilization Time:	NR
Operation Time:	NR
Ambient Temperature (°C):	NR
Test Distance:	28.75 FT

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REPORT NUMBER: P1067000
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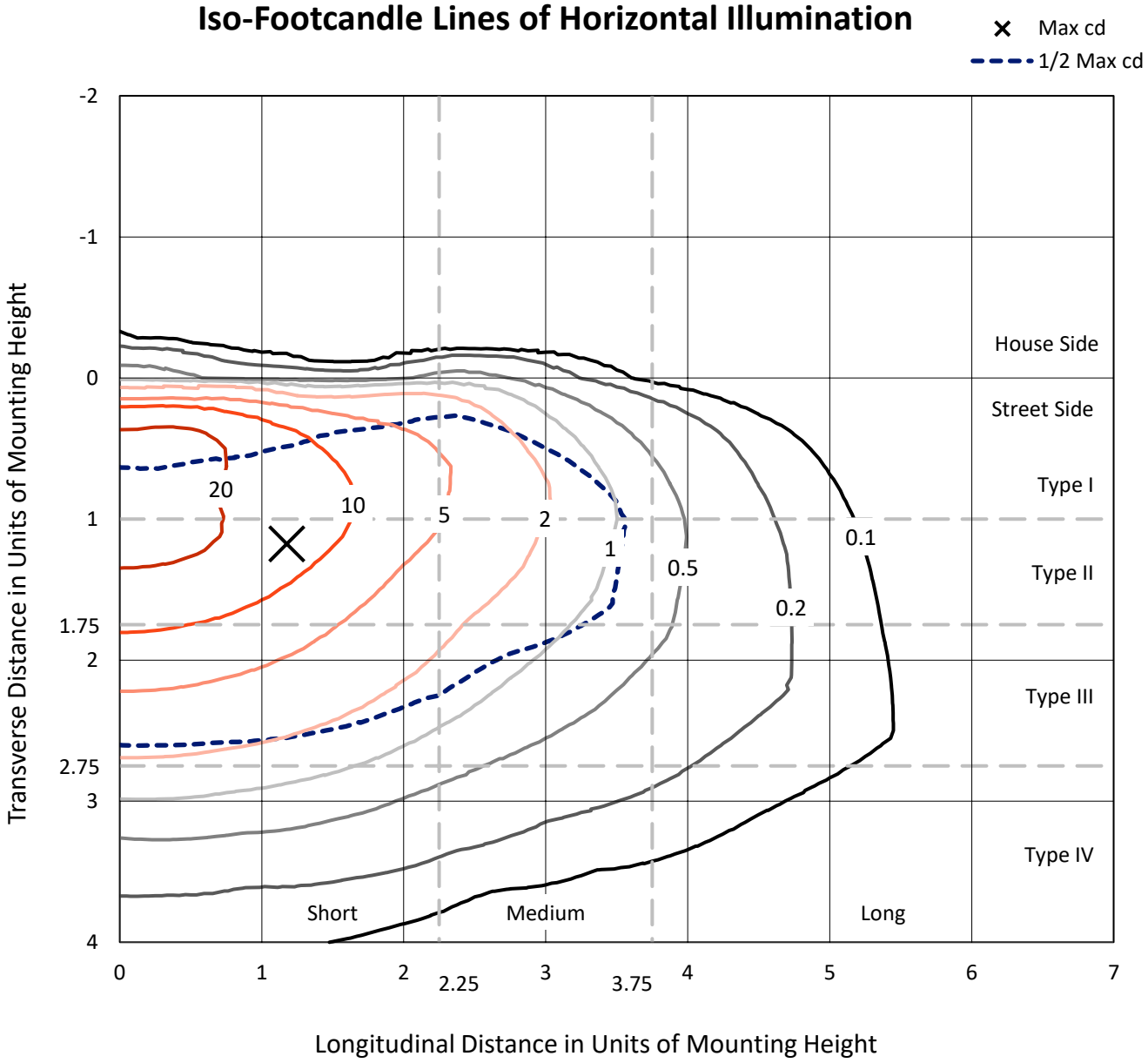
Iso-Footcandle Lines of Horizontal Illumination



Based on 15 foot mounting height. Maximum calculated value = 31.6 fc
Type III - Short - N/A

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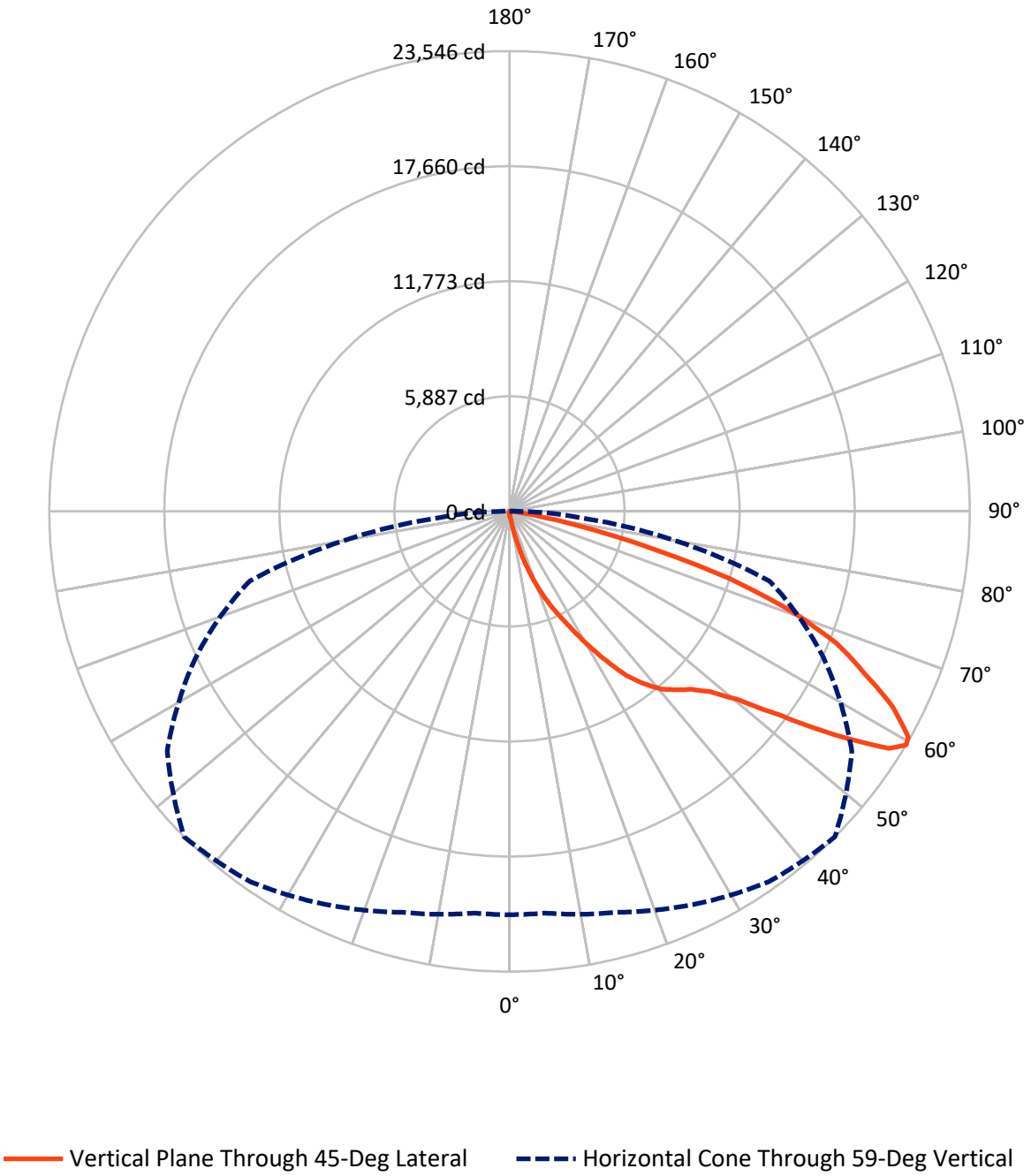
Luminous Intensity Polar Plot



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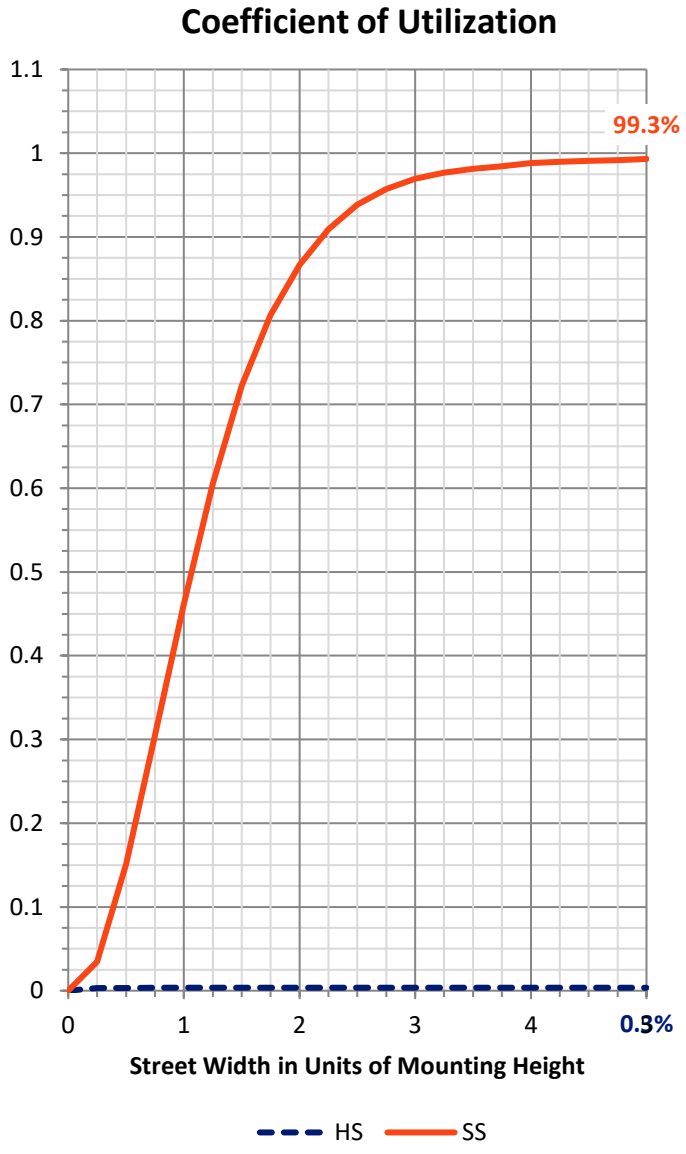
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	102.8	0.0	102.8
	% Fixture	0.4	0.0	0.4
Street Side	Lumens	28849.8	0.0	28849.8
	% Fixture	99.6	0.0	99.6
Total	Lumens	28952.6	0.0	28952.6
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	26.9	0.1
10°-20°	320.0	1.1
20°-30°	1149.8	4.0
30°-40°	2671.9	9.2
40°-50°	4554.1	15.7
50°-60°	7503.9	25.9
60°-70°	8676.2	30.0
70°-80°	3727.6	12.9
80°-90°	322.1	1.1
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°	28952.6	100.0
0°-180°	28952.6	100.0



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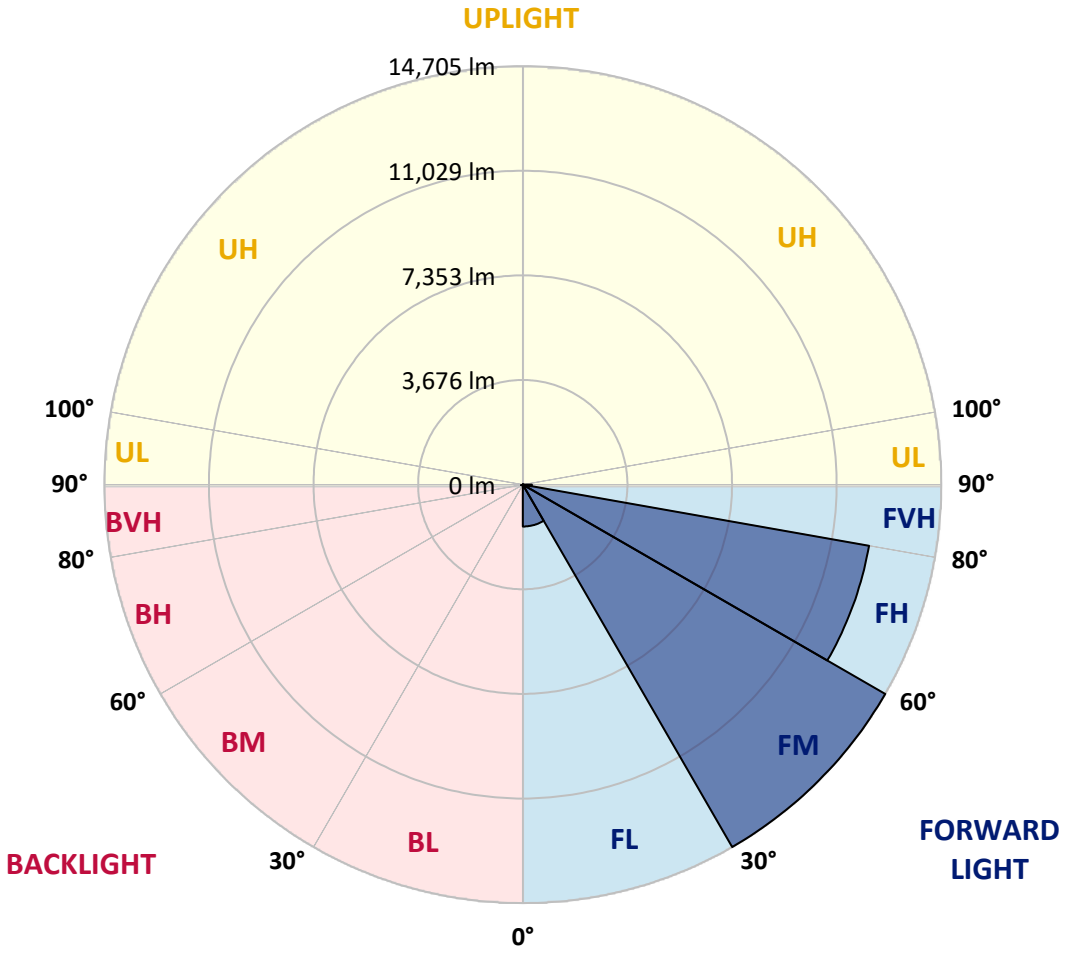
LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	1471.4	5.1			
FM	(30°-60°)	14705.0	50.8			
FH	(60°-80°)	12355.4	42.7			G5
FVH	(80°-90°)	317.9	1.1			G3/500
BL	(0°-30°)	25.4	0.1	B0/110		
BM	(30°-60°)	24.9	0.1	B0/220		
BH	(60°-80°)	48.4	0.2	B0/110		G0/110
BVH	(80°-90°)	4.2	0.0			G0/10
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B0-U0-G5
Type III Short



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Scaled Data Report

REPORT NUMBER: P1067000
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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	44°	45°	55°	65°	75°	85°
0°	183.0	183.0	183.0	183.0	183.0	183.0	*183.0*	183.0	183.0	183.0	183.0
2.5°	237.5	237.5	231.7	223.9	221.9	216.1	*216.1*	210.3	202.5	196.6	188.8
5°	344.6	342.6	327.1	307.6	282.3	266.7	*266.7*	245.3	225.8	208.3	192.7
7.5°	753.4	735.9	679.4	586.0	463.3	381.6	*375.7*	305.6	258.9	223.9	194.7
10°	1728.7	1668.4	1588.6	1364.7	1008.4	704.7	*691.1*	445.8	309.5	241.4	198.6
12.5°	2832.6	2881.2	2721.6	2369.2	1952.6	1452.3	*1355.0*	751.5	408.8	264.8	202.5
15°	3837.1	3825.4	3735.9	3447.7	2966.9	2301.1	*2240.7*	1306.3	586.0	301.8	206.4
17.5°	4588.6	4574.9	4489.3	4304.3	3934.4	3268.6	*3216.1*	2083.1	918.9	354.3	210.3
20°	5380.9	5363.4	5242.7	5094.7	4771.6	4205.0	*4142.7*	2951.3	1438.7	440.0	210.3
22.5°	6330.9	6297.8	6169.3	5918.2	5577.5	5085.0	*5028.5*	3839.0	2083.1	580.1	220.0
25°	7479.5	7423.1	7245.9	7020.1	6609.3	5955.2	*5894.8*	4828.0	2859.8	792.3	229.7
27.5°	8789.7	8799.4	8560.0	8178.4	7627.5	6959.7	*6846.8*	5713.8	3663.8	1096.0	241.4
30°	10345.2	10247.8	9911.0	9467.2	8931.8	8081.1	*7972.1*	6595.7	4567.1	1543.8	260.9
32.5°	11801.4	11696.2	11242.6	10683.9	10109.6	9212.2	*9122.6*	7586.6	5388.7	2073.3	295.9
35°	13051.2	12977.2	12342.6	11661.2	11151.1	10349.1	*10321.8*	8692.4	6354.3	2643.7	334.8
37.5°	14151.1	14016.8	13201.1	12494.4	11976.6	11258.2	*11199.8*	9704.7	7284.8	3305.6	393.2
40°	15089.5	15015.5	14020.7	13092.1	12671.6	12029.1	*11955.2*	10592.4	8246.6	4074.6	465.3
42.5°	16094.0	15996.7	15031.1	13989.6	13214.7	12527.5	*12478.9*	11324.4	9103.1	4919.5	572.4
45°	17229.0	17047.9	16201.1	15266.6	14088.8	13043.4	*12988.9*	11976.6	9981.1	5826.7	702.8
47.5°	18441.8	18284.1	17598.9	16942.8	15587.9	13894.2	*13777.4*	12531.4	10853.3	6874.1	868.3
50°	19676.1	19680.0	19166.0	18850.7	17419.8	15276.4	*15110.9*	13347.1	11770.2	7995.4	1113.6
52.5°	21112.8	21149.8	21142.0	20908.4	19798.7	17536.6	*17314.6*	14585.3	12835.1	9303.7	1452.3
55°	21714.4	21780.6	22210.8	22728.6	22426.9	20402.2	*20164.7*	16720.9	14246.5	10761.8	1954.6
57.5°	21221.8	21295.8	21889.6	22796.8	23489.8	22911.6	*22884.4*	19500.9	16105.7	12529.5	2776.1
59°	*20635.9*	*20626.1*	*21235.5*	*22197.2*	*23131.6*	*23507.4*	*23546.3*	*21381.5*	*17725.4*	*13769.6*	*3484.7*
60°	20246.5	20254.3	20659.2	21646.2	22639.1	23291.3	*23443.1*	22489.2	18671.6	14661.2	4092.1
62.5°	18743.6	18833.1	19154.4	20071.3	21013.5	21741.6	*22000.5*	23476.2	21379.5	16767.6	6204.4
65°	17110.2	17116.1	17573.6	18358.1	19261.4	19773.4	*19937.0*	21940.2	23188.1	18913.0	8974.6
67.5°	14195.9	14314.7	14834.5	16105.7	17299.1	17947.4	*18071.9*	19097.9	22438.6	20310.7	10362.7
70°	9934.4	10090.2	10831.9	12480.8	14258.2	15323.1	*15315.3*	15876.0	19748.1	19687.8	8785.8
72.5°	4960.4	5229.0	5834.5	7600.2	9753.4	11425.6	*11778.0*	12770.9	15864.3	16352.9	6554.8
75°	2192.1	2207.6	2552.2	3441.9	4847.5	6971.4	*7286.8*	10136.9	12171.3	11365.3	4734.6
77.5°	1275.1	1286.8	1349.1	1545.7	1964.3	3416.6	*3770.9*	6648.2	8600.9	6605.4	3087.6
80°	463.3	475.0	473.1	586.0	860.5	1345.2	*1499.0*	3221.9	5737.2	3478.9	1617.8
82.5°	284.2	284.2	274.5	276.4	313.4	515.9	*564.6*	1372.5	2793.6	1713.2	463.3
85°	140.2	148.0	157.7	177.2	210.3	255.0	*270.6*	393.2	940.3	414.7	111.0
87.5°	83.7	85.7	93.4	112.9	140.2	183.0	*194.7*	266.7	336.8	278.4	27.3
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: NAV-SA5D-730-U-T3BC

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	183.0	183.0	183.0	183.0	183.0	183.0	183.0	183.0	183.0	183.0	183.0
2.5°	184.9	183.0	173.3	165.5	157.7	149.9	144.1	138.2	138.2	140.2	138.2
5°	184.9	177.2	161.6	148.0	136.3	126.5	116.8	109.0	107.1	107.1	109.0
7.5°	183.0	173.3	151.8	134.3	118.8	105.1	95.4	85.7	83.7	85.7	83.7
10°	181.1	169.4	144.1	122.6	101.2	87.6	74.0	64.2	64.2	64.2	66.2
12.5°	181.1	163.5	136.3	111.0	87.6	72.0	58.4	48.7	46.7	46.7	46.7
15°	179.1	159.6	128.5	97.3	74.0	54.5	42.8	33.1	33.1	33.1	33.1
17.5°	175.2	153.8	118.8	85.7	58.4	40.9	29.2	19.5	19.5	23.4	23.4
20°	171.3	148.0	107.1	70.1	48.7	31.1	19.5	11.7	11.7	17.5	19.5
22.5°	173.3	148.0	99.3	62.3	38.9	23.4	15.6	9.7	7.8	13.6	17.5
25°	175.2	144.1	89.6	54.5	29.2	17.5	11.7	3.9	1.9	3.9	5.8
27.5°	175.2	140.2	77.9	42.8	21.4	13.6	5.8	0.0	0.0	0.0	0.0
30°	173.3	134.3	68.1	35.0	15.6	7.8	1.9	0.0	0.0	0.0	0.0
32.5°	171.3	128.5	62.3	27.3	13.6	3.9	0.0	0.0	0.0	0.0	0.0
35°	173.3	120.7	54.5	21.4	7.8	0.0	0.0	0.0	0.0	0.0	3.9
37.5°	179.1	112.9	46.7	17.5	5.8	0.0	0.0	0.0	0.0	0.0	0.0
40°	186.9	107.1	38.9	13.6	1.9	0.0	0.0	0.0	0.0	0.0	0.0
42.5°	202.5	107.1	35.0	9.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0
45°	221.9	107.1	29.2	7.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0
47.5°	247.2	109.0	25.3	7.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0
50°	278.4	112.9	23.4	5.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0
52.5°	301.8	109.0	21.4	5.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0
55°	342.6	105.1	19.5	3.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
57.5°	397.1	99.3	19.5	1.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
59°	*451.7*	*91.5*	*19.5*	*1.9*	*0.0*	*0.0*	*0.0*	*0.0*	*0.0*	*0.0*	*0.0*
60°	513.9	87.6	17.5	1.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
62.5°	848.8	77.9	15.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
65°	1639.2	74.0	13.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
67.5°	2649.6	74.0	9.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
70°	2785.8	74.0	7.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
72.5°	1853.3	60.4	5.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
75°	992.9	54.5	5.8	1.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	535.4	50.6	7.8	3.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	235.6	37.0	9.7	5.8	3.9	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	93.4	25.3	11.7	9.7	7.8	3.9	0.0	0.0	0.0	0.0	0.0
85°	44.8	19.5	15.6	13.6	9.7	5.8	0.0	0.0	0.0	0.0	0.0
87.5°	21.4	19.5	17.5	15.6	13.6	9.7	1.9	0.0	0.0	0.0	0.0
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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LM-79-2019: Approved Method: Electrical and Photometric Measurements of Solid-State Lighting Products

Report Prepared for

Cooper Lighting Solutions

McGraw-Edison

Report Number: SP1-2407-184-4

Test Date: 10/10/2024

Luminaire Tested: GSS-SB1A-730-U-5WQ

Data in this report applies to families of products including GSS-SB1A-730-U-5WQ

Report Generated By FNC07603 / LDUCLS01DT446
Version: v7.04

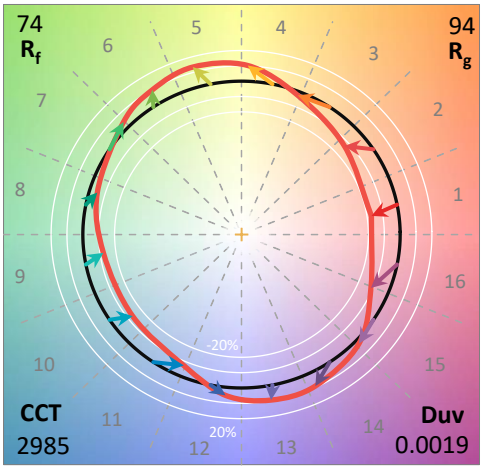
Test Information

Test Method:	LM-79-2019
Report Number:	SP1-2407-184-4
Test Lab:	COOPER LIGHTING SOLUTIONS
Photometer:	SP1 - 76IN SPHERE
Measurement Geometry:	4π
Issue Date:	10/15/2024
Manufacturer:	COOPER LIGHTING SOLUTIONS
Product Line:	McGraw-Edison
Catalog Number:	**GSS-SB1A-730-U-5WQ**
Description:	GALLEON II SITE SLIM 1SQ 350MA 5WQ HIGH DENSITY LIGHTSQUARE WITH 70 CRI 3000K CCT 26 LEDS

Spectral Parameters

CCT (K):	2985
CIE u':	0.2504
CIE v':	0.5243
Duv:	0.0019
CIE x:	0.4408
CIE y:	0.4101
CIE z:	0.1491
Peak Wavelength (nm):	595
Dominant Wavelength (nm):	582
Purity:	55.41818
Rf:	73.8
Rg:	94.4

CRI (Ra):	70.8
R1:	66.3
R2:	80.6
R3:	94.5
R4:	68.2
R5:	66.5
R6:	74.7
R7:	76.2
R8:	39.6
R9:	-43.2
R10:	57.6
R11:	64.8
R12:	53.5
R13:	68.7
R14:	97.0
R15:	56.4



Test Conditions

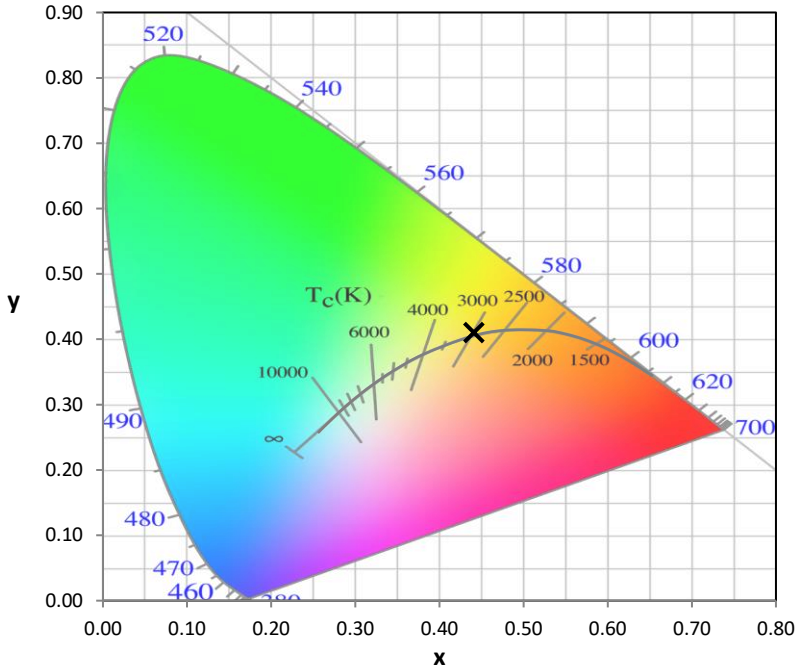
Stabilization Time:	36M
Operation Time:	1H 36M
Sphere Temperature (°C):	25.2

REPORT NUMBER: SP1-2407-184-4

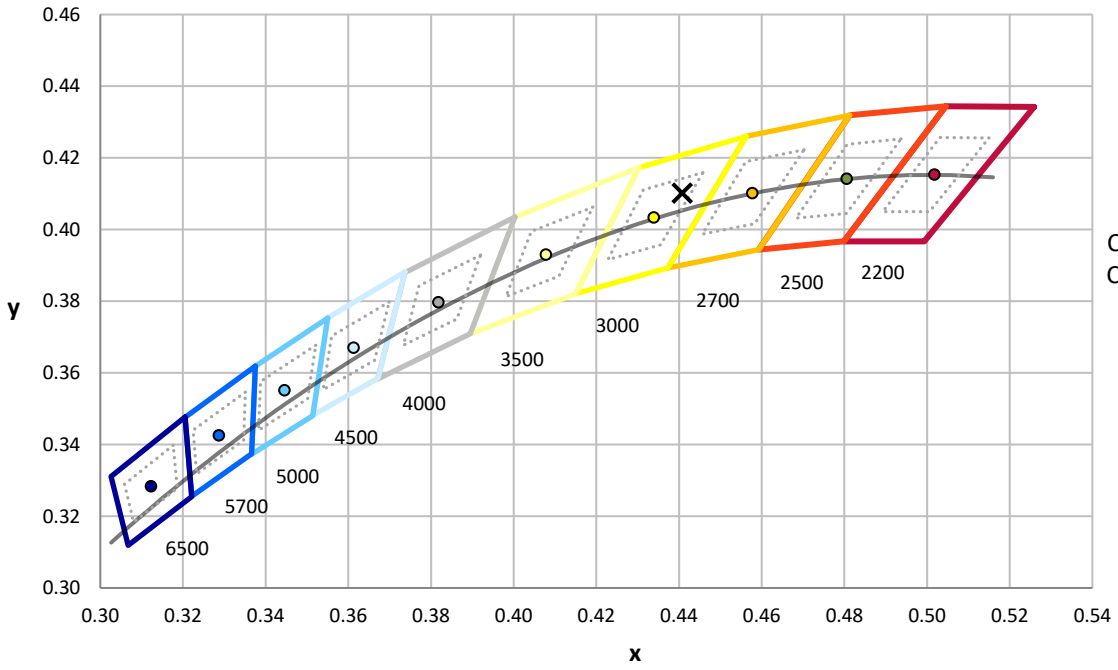
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

REPORT NUMBER: SP1-2407-184-4

CIE 1931 Chromaticity Diagram



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

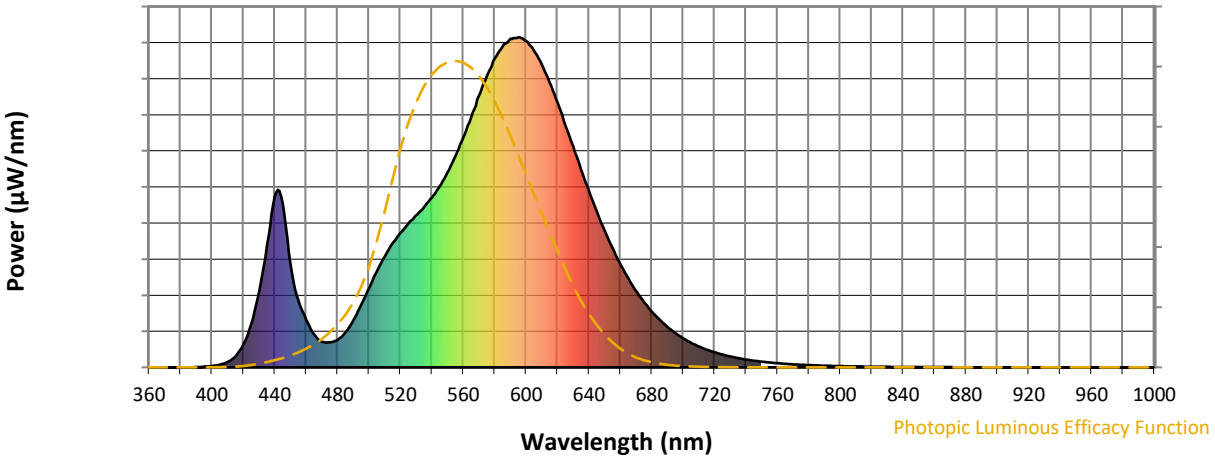


CCT = 2985K
CIE x = 0.4408
CIE y = 0.4101
Duv = 0.0019

Point lies inside the ANSI 3000K 4-step quadrangle

REPORT NUMBER: SP1-2407-184-4

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	142	NR	620	803	NR	750	17	NR	880	0	NR
365	0	NR	495	189	NR	625	734	NR	755	15	NR	885	0	NR
370	0	NR	500	240	NR	630	670	NR	760	13	NR	890	0	NR
375	0	NR	505	290	NR	635	600	NR	765	11	NR	895	0	NR
380	0	NR	510	335	NR	640	535	NR	770	9	NR	900	0	NR
385	0	NR	515	375	NR	645	473	NR	775	8	NR	905	0	NR
390	1	NR	520	408	NR	650	415	NR	780	7	NR	910	0	NR
395	2	NR	525	434	NR	655	362	NR	785	6	NR	915	0	NR
400	4	NR	530	461	NR	660	313	NR	790	5	NR	920	0	NR
405	8	NR	535	486	NR	665	271	NR	795	4	NR	925	0	NR
410	16	NR	540	514	NR	670	231	NR	800	4	NR	930	0	NR
415	33	NR	545	549	NR	675	198	NR	805	3	NR	935	0	NR
420	69	NR	550	591	NR	680	169	NR	810	3	NR	940	0	NR
425	131	NR	555	640	NR	685	144	NR	815	2	NR	945	0	NR
430	227	NR	560	695	NR	690	123	NR	820	2	NR	950	0	NR
435	369	NR	565	757	NR	695	104	NR	825	2	NR	955	0	NR
440	517	NR	570	822	NR	700	88	NR	830	2	NR	960	0	NR
445	498	NR	575	882	NR	705	75	NR	835	1	NR	965	0	NR
450	315	NR	580	935	NR	710	63	NR	840	1	NR	970	0	NR
455	204	NR	585	972	NR	715	54	NR	845	1	NR	975	0	NR
460	145	NR	590	996	NR	720	46	NR	850	1	NR	980	0	NR
465	100	NR	595	1000	NR	725	39	NR	855	1	NR	985	0	NR
470	78	NR	600	989	NR	730	33	NR	860	1	NR	990	0	NR
475	76	NR	605	960	NR	735	28	NR	865	1	NR	995	0	NR
480	83	NR	610	918	NR	740	24	NR	870	1	NR	1000	0	NR
485	105	NR	615	864	NR	745	20	NR	875	1	NR			

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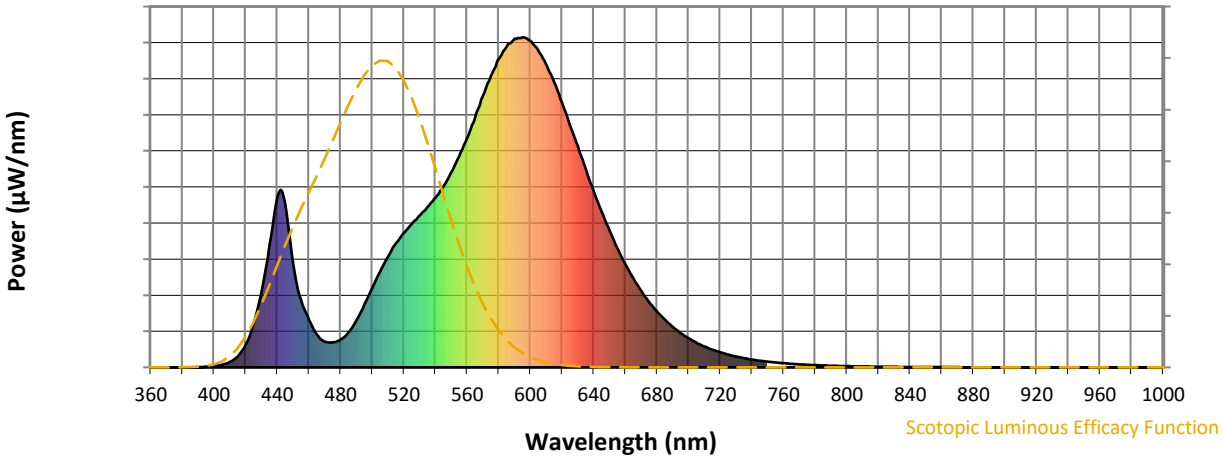
Scotopic Flux vs. Wavelength



Scotopic Lumens: NR **S/P: 1.19**

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	142	NR	620	803	NR	750	17	NR	880	0	NR
365	0	NR	495	189	NR	625	734	NR	755	15	NR	885	0	NR
370	0	NR	500	240	NR	630	670	NR	760	13	NR	890	0	NR
375	0	NR	505	290	NR	635	600	NR	765	11	NR	895	0	NR
380	0	NR	510	335	NR	640	535	NR	770	9	NR	900	0	NR
385	0	NR	515	375	NR	645	473	NR	775	8	NR	905	0	NR
390	1	NR	520	408	NR	650	415	NR	780	7	NR	910	0	NR
395	2	NR	525	434	NR	655	362	NR	785	6	NR	915	0	NR
400	4	NR	530	461	NR	660	313	NR	790	5	NR	920	0	NR
405	8	NR	535	486	NR	665	271	NR	795	4	NR	925	0	NR
410	16	NR	540	514	NR	670	231	NR	800	4	NR	930	0	NR
415	33	NR	545	549	NR	675	198	NR	805	3	NR	935	0	NR
420	69	NR	550	591	NR	680	169	NR	810	3	NR	940	0	NR
425	131	NR	555	640	NR	685	144	NR	815	2	NR	945	0	NR
430	227	NR	560	695	NR	690	123	NR	820	2	NR	950	0	NR
435	369	NR	565	757	NR	695	104	NR	825	2	NR	955	0	NR
440	517	NR	570	822	NR	700	88	NR	830	2	NR	960	0	NR
445	498	NR	575	882	NR	705	75	NR	835	1	NR	965	0	NR
450	315	NR	580	935	NR	710	63	NR	840	1	NR	970	0	NR
455	204	NR	585	972	NR	715	54	NR	845	1	NR	975	0	NR
460	145	NR	590	996	NR	720	46	NR	850	1	NR	980	0	NR
465	100	NR	595	1000	NR	725	39	NR	855	1	NR	985	0	NR
470	78	NR	600	989	NR	730	33	NR	860	1	NR	990	0	NR
475	76	NR	605	960	NR	735	28	NR	865	1	NR	995	0	NR
480	83	NR	610	918	NR	740	24	NR	870	1	NR	1000	0	NR
485	105	NR	615	864	NR	745	20	NR	875	1	NR			

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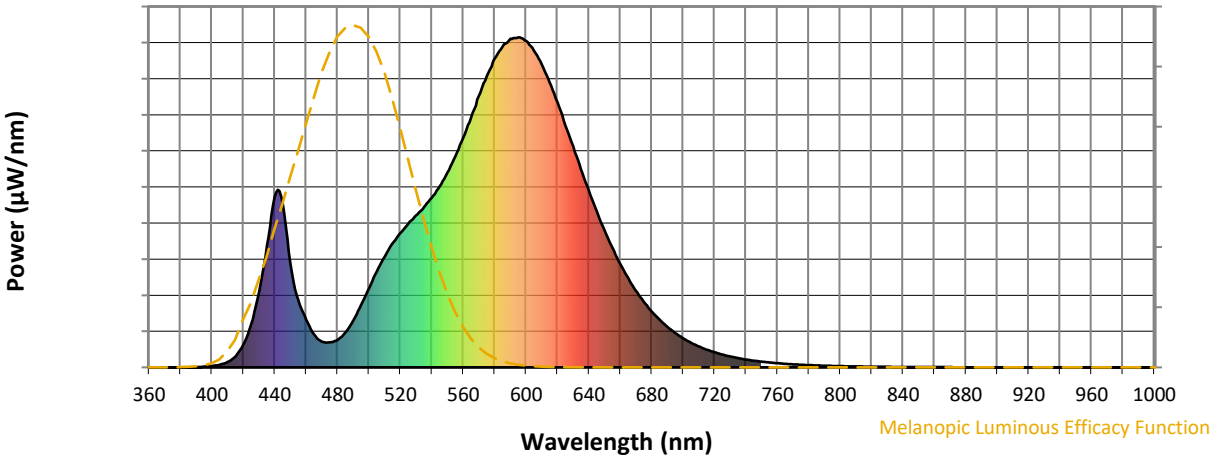
Melanopic Flux vs. Wavelength



Melanopic Lumens: NR **M/P: 2.13**

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	142	NR	620	803	NR	750	17	NR	880	0	NR
365	0	NR	495	189	NR	625	734	NR	755	15	NR	885	0	NR
370	0	NR	500	240	NR	630	670	NR	760	13	NR	890	0	NR
375	0	NR	505	290	NR	635	600	NR	765	11	NR	895	0	NR
380	0	NR	510	335	NR	640	535	NR	770	9	NR	900	0	NR
385	0	NR	515	375	NR	645	473	NR	775	8	NR	905	0	NR
390	1	NR	520	408	NR	650	415	NR	780	7	NR	910	0	NR
395	2	NR	525	434	NR	655	362	NR	785	6	NR	915	0	NR
400	4	NR	530	461	NR	660	313	NR	790	5	NR	920	0	NR
405	8	NR	535	486	NR	665	271	NR	795	4	NR	925	0	NR
410	16	NR	540	514	NR	670	231	NR	800	4	NR	930	0	NR
415	33	NR	545	549	NR	675	198	NR	805	3	NR	935	0	NR
420	69	NR	550	591	NR	680	169	NR	810	3	NR	940	0	NR
425	131	NR	555	640	NR	685	144	NR	815	2	NR	945	0	NR
430	227	NR	560	695	NR	690	123	NR	820	2	NR	950	0	NR
435	369	NR	565	757	NR	695	104	NR	825	2	NR	955	0	NR
440	517	NR	570	822	NR	700	88	NR	830	2	NR	960	0	NR
445	498	NR	575	882	NR	705	75	NR	835	1	NR	965	0	NR
450	315	NR	580	935	NR	710	63	NR	840	1	NR	970	0	NR
455	204	NR	585	972	NR	715	54	NR	845	1	NR	975	0	NR
460	145	NR	590	996	NR	720	46	NR	850	1	NR	980	0	NR
465	100	NR	595	1000	NR	725	39	NR	855	1	NR	985	0	NR
470	78	NR	600	989	NR	730	33	NR	860	1	NR	990	0	NR
475	76	NR	605	960	NR	735	28	NR	865	1	NR	995	0	NR
480	83	NR	610	918	NR	740	24	NR	870	1	NR	1000	0	NR
485	105	NR	615	864	NR	745	20	NR	875	1	NR			

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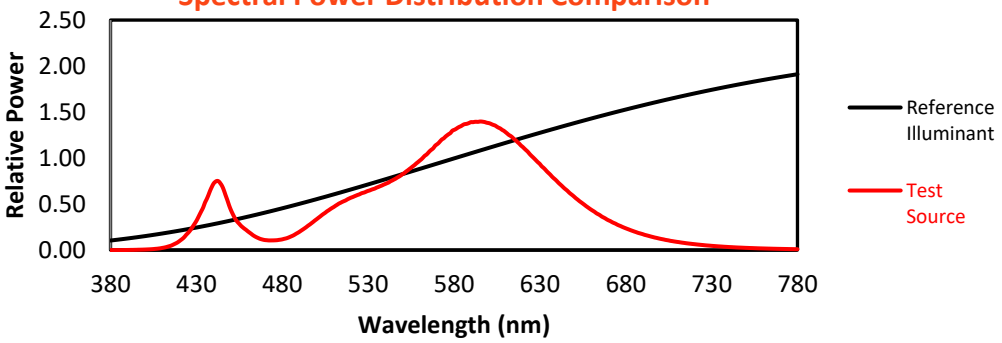
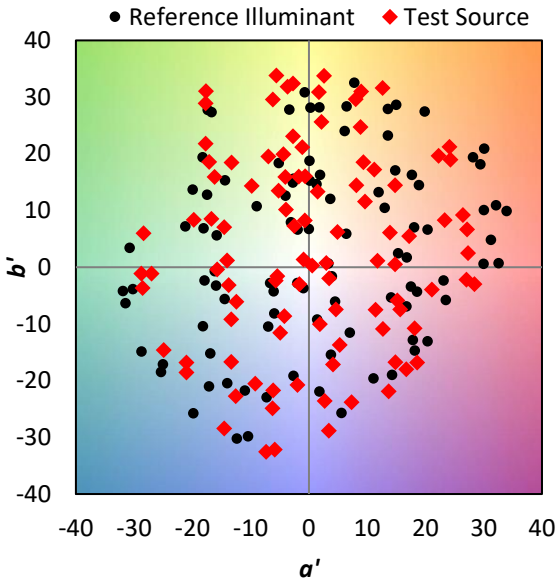
Summary

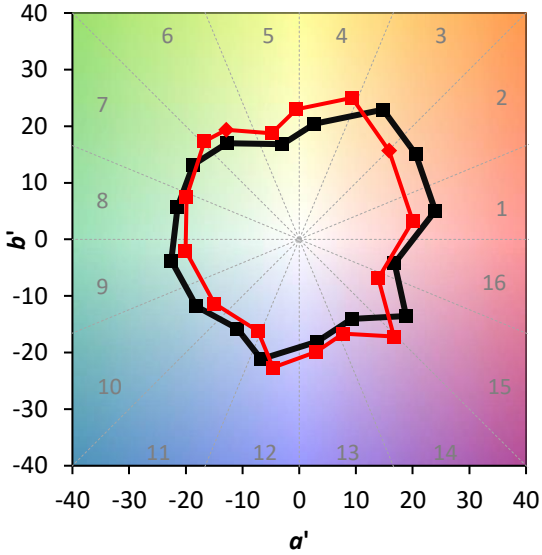
R_f = 73.8
R_g = 94.4
CIE R_a = 70.8
R_9 = -43.2

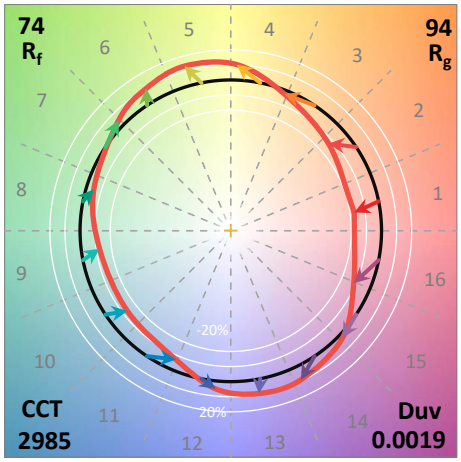
Spectral Power Distribution Comparison

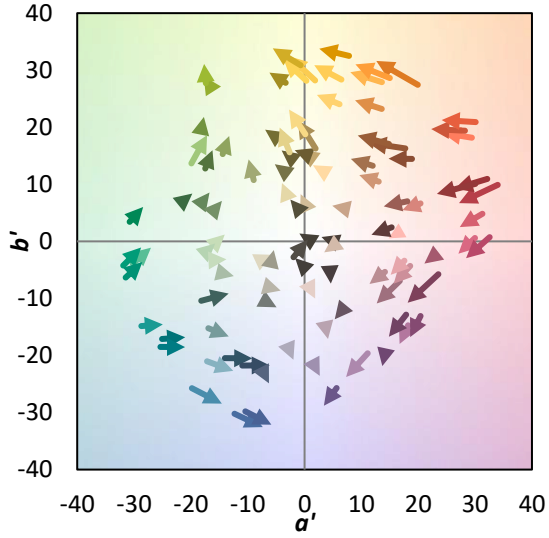


Color Vector Graphics









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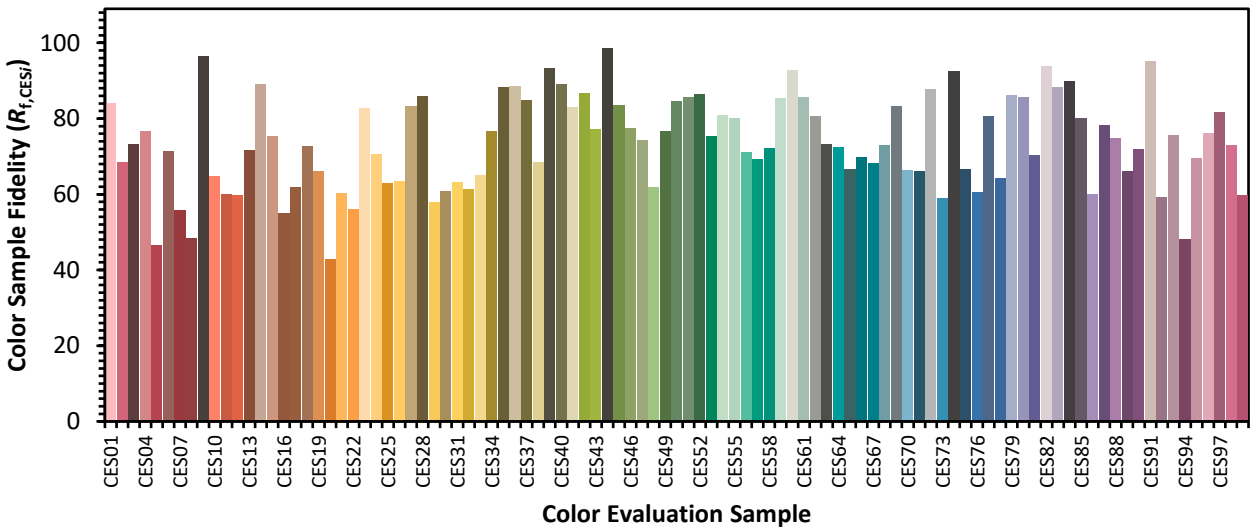
Individual Sample Fidelity Index ($R_{f,i}$)

CES01 = 86	CES26 = 63	CES51 = 86	CES76 = 61
CES02 = 62	CES27 = 83	CES52 = 86	CES77 = 81
CES03 = 31	CES28 = 86	CES53 = 75	CES78 = 64
CES04 = 71	CES29 = 58	CES54 = 81	CES79 = 86
CES05 = 49	CES30 = 61	CES55 = 80	CES80 = 86
CES06 = 51	CES31 = 63	CES56 = 71	CES81 = 70
CES07 = 41	CES32 = 61	CES57 = 69	CES82 = 94
CES08 = 40	CES33 = 65	CES58 = 72	CES83 = 88
CES09 = 29	CES34 = 77	CES59 = 85	CES84 = 90
CES10 = 76	CES35 = 88	CES60 = 93	CES85 = 80
CES11 = 59	CES36 = 89	CES61 = 86	CES86 = 60
CES12 = 65	CES37 = 85	CES62 = 81	CES87 = 78
CES13 = 43	CES38 = 69	CES63 = 73	CES88 = 75
CES14 = 74	CES39 = 93	CES64 = 72	CES89 = 66
CES15 = 71	CES40 = 89	CES65 = 67	CES90 = 72
CES16 = 47	CES41 = 83	CES66 = 70	CES91 = 95
CES17 = 50	CES42 = 87	CES67 = 68	CES92 = 59
CES18 = 56	CES43 = 77	CES68 = 73	CES93 = 76
CES19 = 73	CES44 = 99	CES69 = 83	CES94 = 48
CES20 = 66	CES45 = 83	CES70 = 66	CES95 = 70
CES21 = 87	CES46 = 77	CES71 = 66	CES96 = 76
CES22 = 79	CES47 = 74	CES72 = 88	CES97 = 82
CES23 = 92	CES48 = 62	CES73 = 59	CES98 = 73
CES24 = 91	CES49 = 77	CES74 = 93	CES99 = 60
CES25 = 73	CES50 = 85	CES75 = 67	



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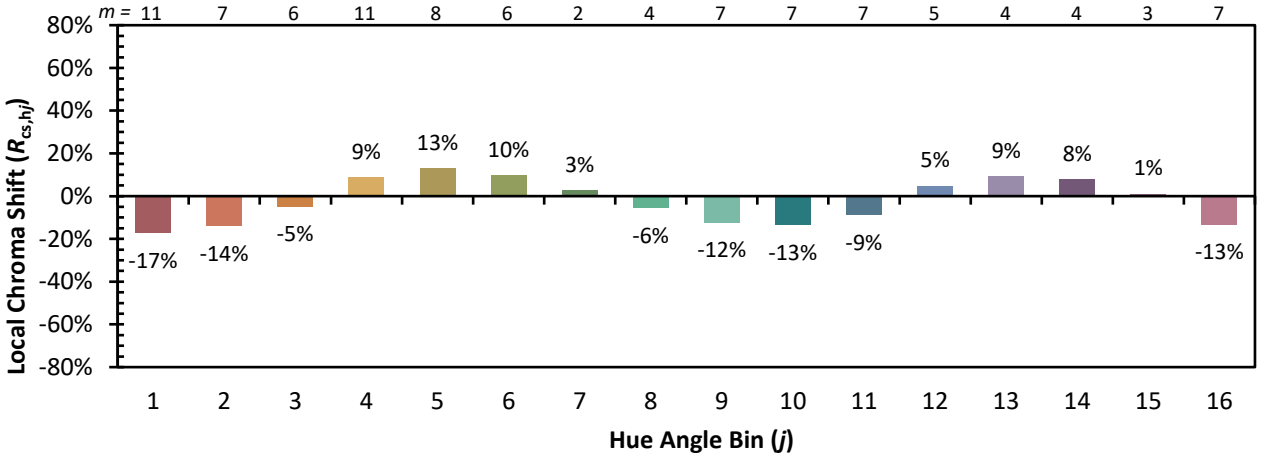
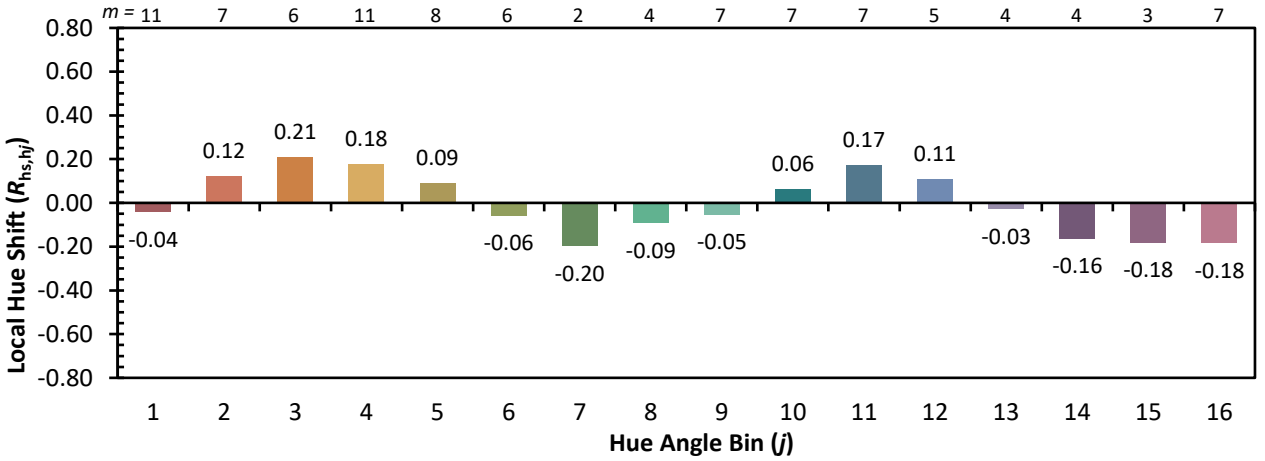
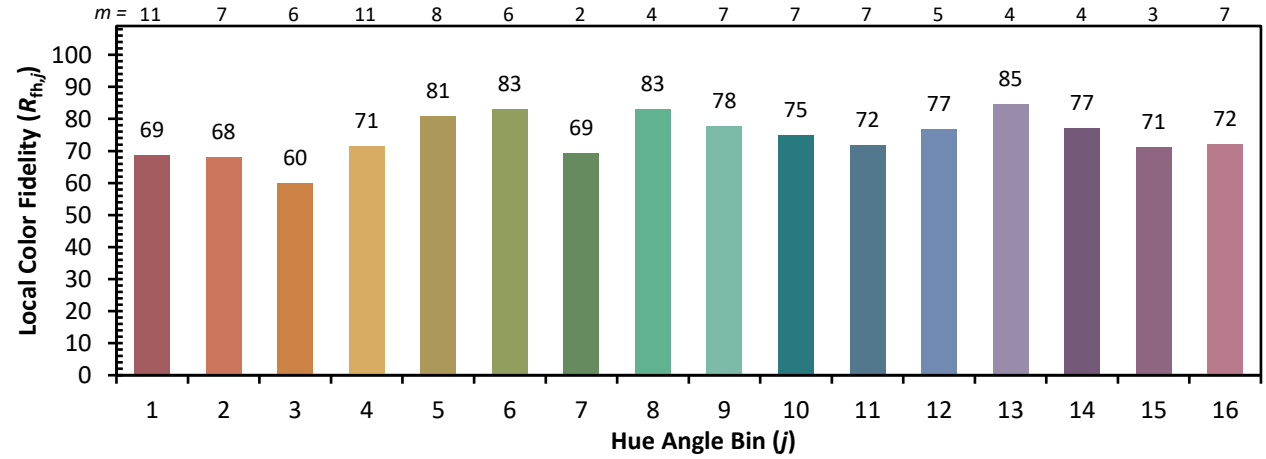
Color Rendition by Hue-Angle Bin







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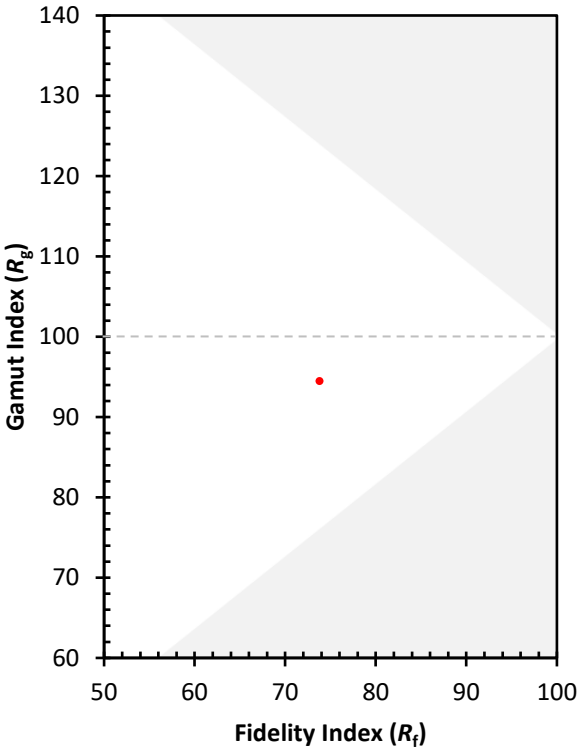
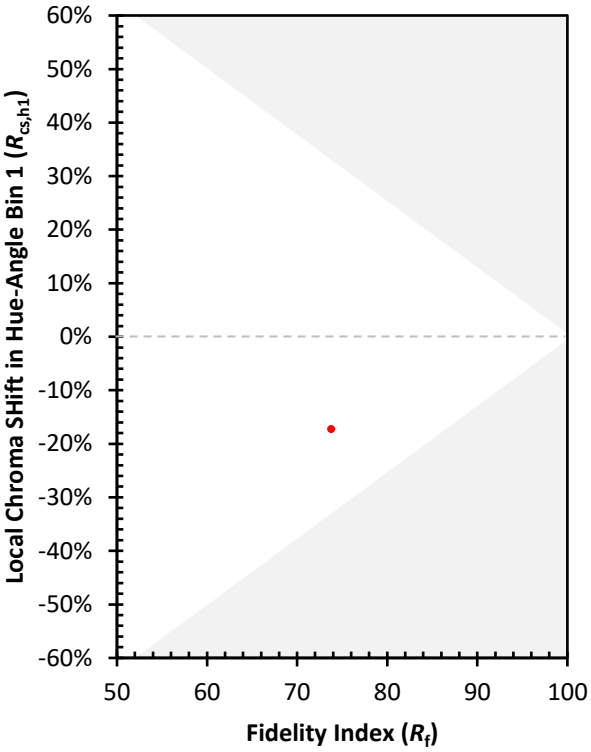
Measure Comparisons





(END OF REPORT)