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: P1067238

Luminaire Tested: **NAV-SA5B-730-U-T2BC**

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:	P1067238
Test Lab:	INNOVATION CENTER(G3)
Issue Date:	08/07/2025
Manufacturer:	COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line:	LUMARK
Catalog Number:	NAV-SA5B-730-U-T2BC
Description:	Navion AREA AND ROADWAY LUMINAIRE 800mA 5xLight Square PACKAGE 70CRI 3000K FIXTURE w/ TYPE II ANGLED BACKLIGHT CONTROL
Light Source:	(70) 3000K CCT, 70 CRI LEDS
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	19918.6 lumens
Efficiency:	N/A
Efficacy:	111.4 lumens/watt
Luminous Opening:	Rectangular (W 1' x L: 1.5' x H: 0')
IES Classification:	Type II - Short
BUG Rating:	B0 - U0 - G3

Input Watts (W):	178.8
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: P1067238
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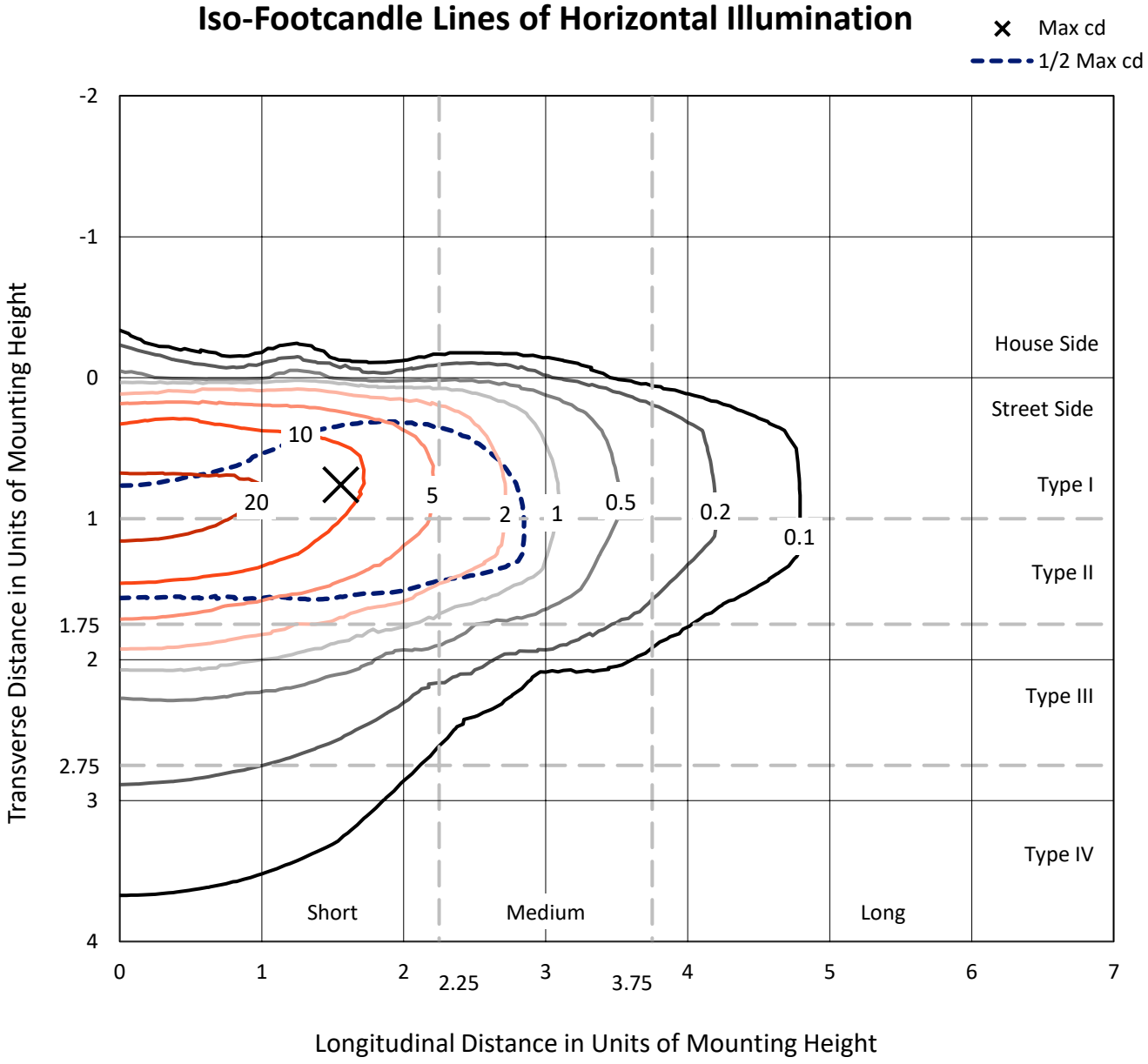
Iso-Footcandle Lines of Horizontal Illumination



Based on 15 foot mounting height. Maximum calculated value = 28.6 fc
Type II - Short - N/A

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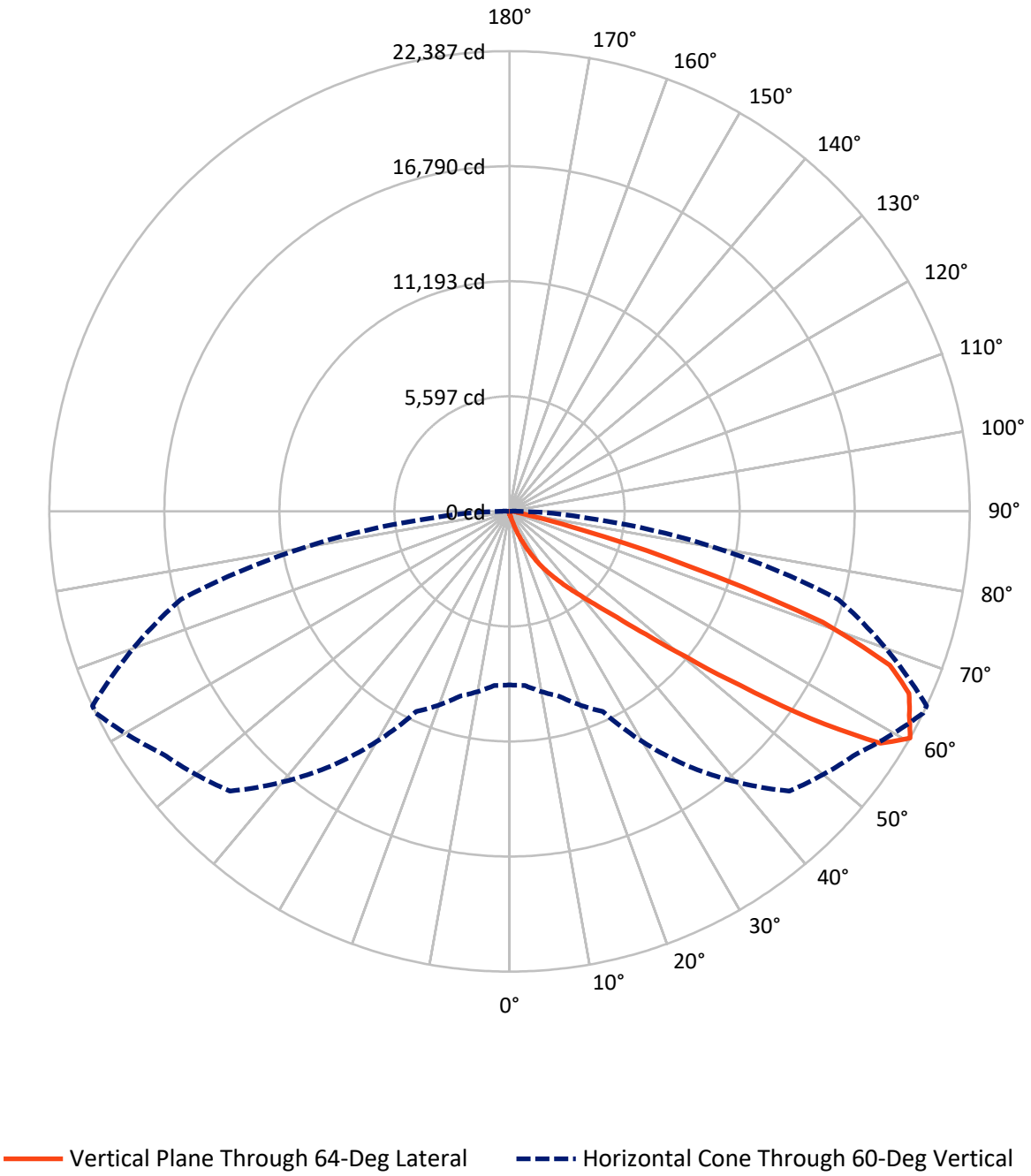
Luminous Intensity Polar Plot



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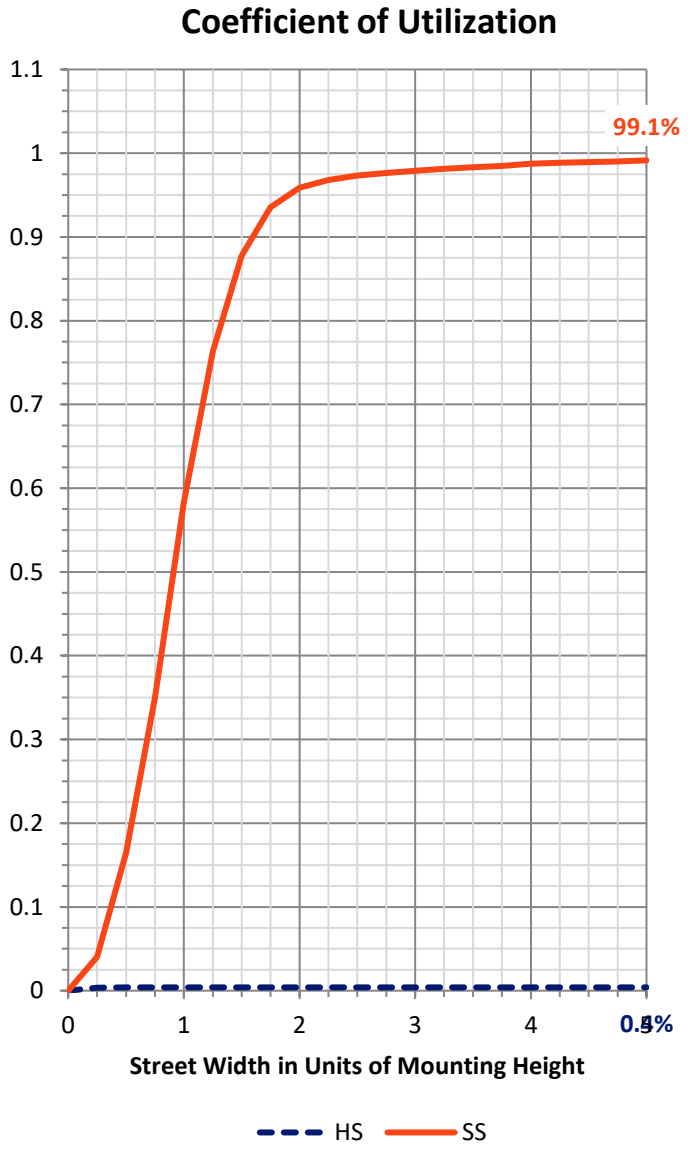
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	80.7	0.0	80.7
	% Fixture	0.4	0.0	0.4
Street Side	Lumens	19837.9	0.0	19837.9
	% Fixture	99.6	0.0	99.6
Total	Lumens	19918.6	0.0	19918.6
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	19.8	0.1
10°-20°	195.7	1.0
20°-30°	650.1	3.3
30°-40°	1734.7	8.7
40°-50°	4409.0	22.1
50°-60°	6427.4	32.3
60°-70°	4964.6	24.9
70°-80°	1363.4	6.8
80°-90°	153.9	0.8
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°	19918.6	100.0
0°-180°	19918.6	100.0



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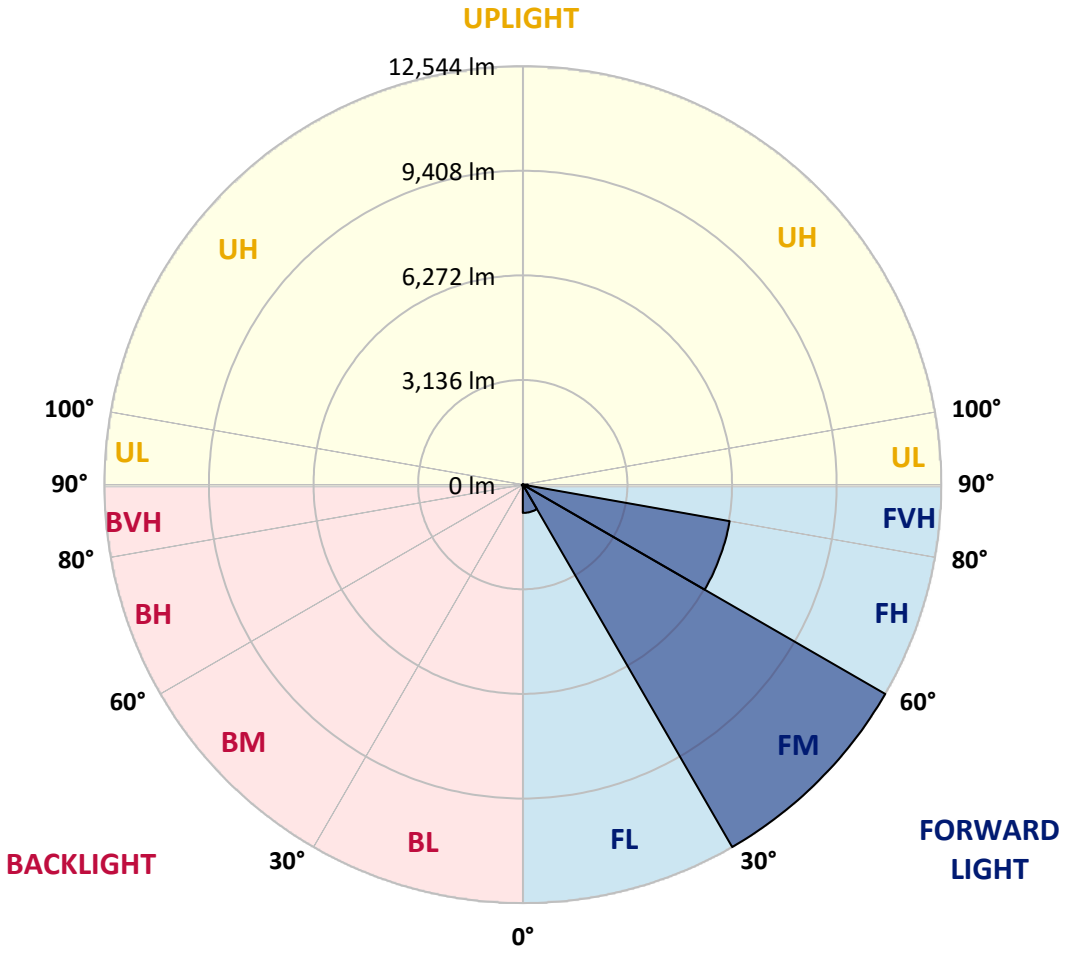
LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	847.5	4.3			
FM	(30°-60°)	12544.4	63.0			
FH	(60°-80°)	6295.7	31.6			G3/7500
FVH	(80°-90°)	150.3	0.8			G2/225
BL	(0°-30°)	18.1	0.1	B0/110		
BM	(30°-60°)	26.8	0.1	B0/220		
BH	(60°-80°)	32.2	0.2	B0/110		G0/110
BVH	(80°-90°)	3.6	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-G3
Type II Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	64°	65°	75°	85°
0°	131.6	131.6	131.6	131.6	131.6	131.6	131.6	131.6	131.6	131.6	131.6
2.5°	175.5	175.5	175.5	170.0	164.5	164.5	159.0	153.5	153.5	142.6	137.1
5°	268.7	268.7	257.7	246.7	230.3	208.3	186.4	170.0	170.0	153.5	142.6
7.5°	526.4	542.8	493.5	433.1	350.9	296.1	235.8	197.4	191.9	164.5	142.6
10°	1140.4	1129.5	1052.7	904.7	712.8	515.4	329.0	241.2	230.3	175.5	142.6
12.5°	1716.1	1732.6	1650.3	1485.9	1255.6	915.6	564.7	312.5	301.6	191.9	142.6
15°	2209.6	2209.6	2154.8	2072.5	1820.3	1463.9	910.2	466.0	427.7	208.3	137.1
17.5°	2549.5	2544.1	2522.1	2500.2	2352.2	1984.8	1392.7	745.7	657.9	246.7	137.1
20°	2933.3	2916.9	2944.3	2900.4	2785.3	2494.7	1902.6	1107.5	1025.3	312.5	137.1
22.5°	3333.6	3350.0	3372.0	3328.1	3202.0	2949.8	2439.9	1573.6	1485.9	433.1	142.6
25°	3843.5	3832.5	3881.9	3843.5	3684.5	3388.4	2944.3	2083.5	1957.4	603.1	153.5
27.5°	4468.6	4446.6	4479.5	4380.8	4172.5	3870.9	3393.9	2604.4	2456.3	866.3	175.5
30°	5296.5	5312.9	5164.9	5049.7	4753.7	4353.4	3892.8	3163.6	3010.1	1178.8	197.4
32.5°	6601.4	6486.3	6256.0	5789.9	5400.6	4890.7	4391.8	3651.6	3514.5	1579.1	230.3
35°	8635.5	8657.5	8153.1	7001.6	6157.3	5565.1	4940.1	4188.9	4090.2	2034.2	274.1
37.5°	11113.8	11053.5	10609.4	9156.4	7264.8	6404.0	5565.1	4775.6	4633.0	2527.6	329.0
40°	13921.0	13668.8	13411.1	12424.2	9573.1	7456.7	6354.7	5455.5	5345.8	3097.8	416.7
42.5°	16169.0	16103.2	16147.1	15735.9	13422.1	9249.6	7401.9	6288.9	6157.3	3805.1	570.2
45°	17276.6	17183.4	17446.5	17753.6	17161.4	13065.7	9090.6	7352.6	7177.1	4638.5	806.0
47.5°	16980.5	16914.7	17479.4	18082.6	18872.1	17490.4	11848.5	8942.6	8641.0	5707.7	1156.9
50°	15522.1	15527.5	16454.1	17578.1	18828.2	19732.9	15933.3	11119.3	10741.0	7127.8	1705.2
52.5°	14102.0	14145.8	15127.3	16766.7	18175.8	19996.1	19519.1	14052.6	13438.6	8800.0	2352.2
55°	12643.5	12665.5	13531.8	15840.1	17868.7	19212.0	21361.3	17830.3	17177.9	10883.5	2982.7
57.5°	11239.9	11239.9	11563.4	13614.0	17534.3	19140.8	21142.0	21284.6	20752.7	13263.1	3448.7
60°	8443.6	8498.5	9304.5	10741.0	15121.8	19244.9	20582.8	22386.6	22386.6	16563.8	3805.1
62.5°	4265.7	4347.9	5351.3	6749.4	10373.6	17808.4	20670.5	21832.9	21920.6	19475.2	4616.6
65°	2001.3	2094.5	2631.8	3618.7	5581.6	12533.9	19760.3	21361.3	21333.9	18921.4	6327.3
67.5°	1436.5	1463.9	1644.9	2110.9	3004.6	5493.9	15083.4	19952.2	19963.2	16075.8	7275.8
70°	1288.5	1288.5	1332.3	1469.4	1809.4	2456.3	7330.6	16158.1	16942.1	12413.3	6744.0
72.5°	1272.0	1261.1	1250.1	1255.6	1222.7	1233.6	2516.6	9123.5	10242.0	8684.9	5378.7
75°	1239.1	1239.1	1228.2	1189.8	976.0	795.0	866.3	3690.0	4265.7	5800.9	3991.5
77.5°	981.4	1080.1	1195.3	1124.0	893.7	597.6	504.4	1069.2	1348.8	3558.4	2895.0
80°	455.1	460.6	455.1	477.0	570.2	427.7	372.8	520.9	526.4	1973.8	1792.9
82.5°	329.0	334.5	318.0	285.1	252.2	230.3	307.0	383.8	411.2	904.7	668.9
85°	98.7	93.2	109.7	148.0	175.5	202.9	257.7	323.5	339.9	334.5	98.7
87.5°	43.9	43.9	54.8	76.8	104.2	153.5	224.8	296.1	301.6	345.4	27.4
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-SA5B-730-U-T2BC

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	131.6	131.6	131.6	131.6	131.6	131.6	131.6	131.6	131.6	131.6	131.6
2.5°	137.1	131.6	126.1	120.6	115.1	109.7	104.2	104.2	109.7	109.7	109.7
5°	131.6	126.1	115.1	104.2	98.7	93.2	87.7	87.7	93.2	93.2	93.2
7.5°	131.6	120.6	109.7	98.7	87.7	82.2	76.8	76.8	76.8	82.2	82.2
10°	131.6	120.6	104.2	87.7	76.8	71.3	65.8	60.3	65.8	65.8	65.8
12.5°	126.1	115.1	98.7	82.2	65.8	54.8	49.3	49.3	49.3	49.3	49.3
15°	120.6	109.7	93.2	71.3	54.8	43.9	32.9	32.9	32.9	38.4	38.4
17.5°	115.1	104.2	82.2	54.8	38.4	27.4	21.9	21.9	21.9	27.4	27.4
20°	115.1	98.7	71.3	43.9	27.4	16.4	11.0	11.0	11.0	16.4	21.9
22.5°	115.1	98.7	65.8	32.9	16.4	11.0	5.5	5.5	5.5	5.5	5.5
25°	115.1	93.2	60.3	27.4	11.0	5.5	0.0	0.0	5.5	11.0	16.4
27.5°	115.1	87.7	49.3	16.4	11.0	5.5	0.0	5.5	11.0	11.0	11.0
30°	115.1	87.7	43.9	16.4	5.5	0.0	0.0	5.5	11.0	11.0	16.4
32.5°	120.6	82.2	38.4	11.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
35°	126.1	76.8	32.9	11.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
37.5°	137.1	76.8	21.9	5.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
40°	153.5	82.2	21.9	5.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
42.5°	191.9	87.7	16.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
45°	268.7	109.7	16.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
47.5°	394.8	164.5	16.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
50°	575.7	224.8	11.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
52.5°	707.3	224.8	11.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
55°	701.8	142.6	5.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
57.5°	537.3	98.7	5.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
60°	*455.1*	*71.3*	*5.5*	*0.0*	*0.0*	*0.0*	*0.0*	*0.0*	*0.0*	*0.0*	*0.0*
62.5°	548.3	54.8	5.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
65°	976.0	49.3	5.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
67.5°	1568.1	49.3	5.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
70°	1754.5	49.3	5.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
72.5°	1370.7	43.9	5.5	5.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
75°	751.2	38.4	5.5	5.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	378.3	27.4	11.0	5.5	5.5	0.0	0.0	0.0	0.0	0.0	0.0
80°	159.0	21.9	11.0	5.5	5.5	5.5	0.0	0.0	0.0	0.0	0.0
82.5°	54.8	21.9	11.0	11.0	5.5	5.5	0.0	0.0	0.0	0.0	0.0
85°	27.4	16.4	16.4	11.0	11.0	5.5	5.5	0.0	0.0	0.0	0.0
87.5°	16.4	16.4	16.4	11.0	11.0	5.5	5.5	0.0	0.0	0.0	5.5
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

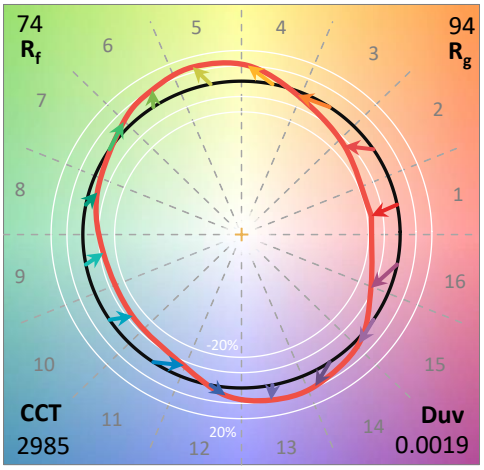
Test Information

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

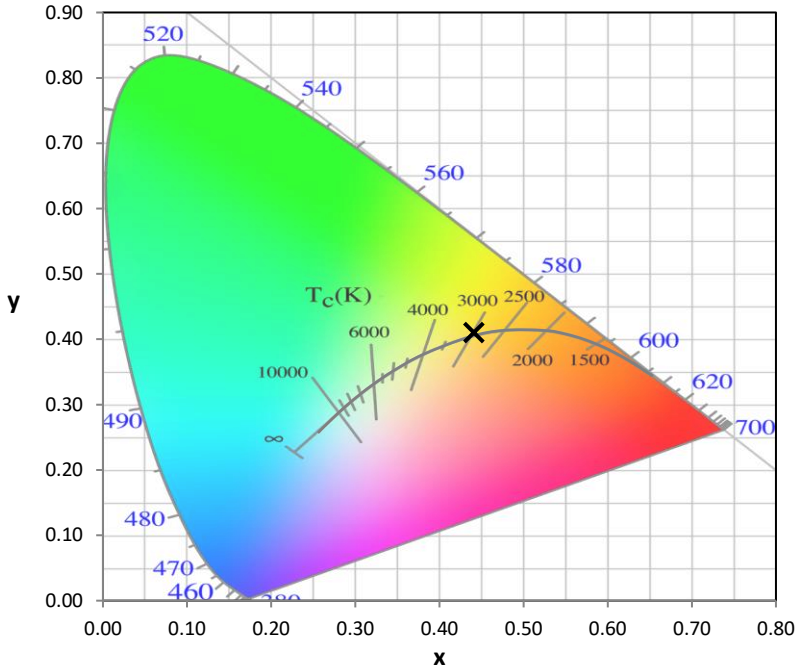
Stabilization Time:	36M
Operation Time:	1H 36M
Sphere Temperature (°C):	25.2

REPORT NUMBER: SP1-2407-184-4

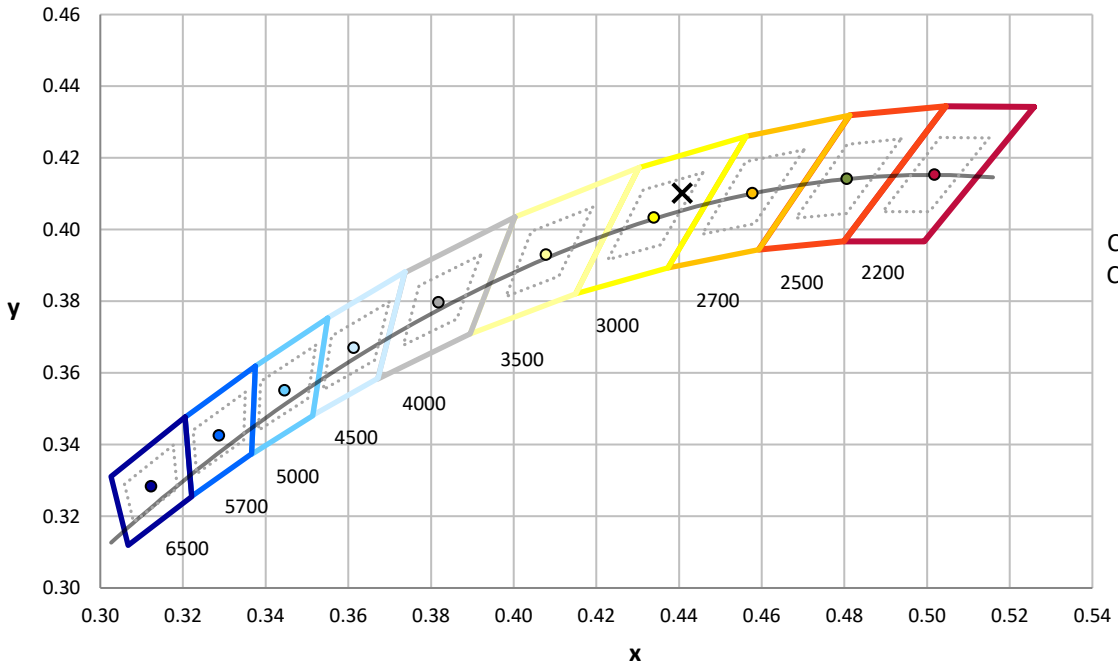
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

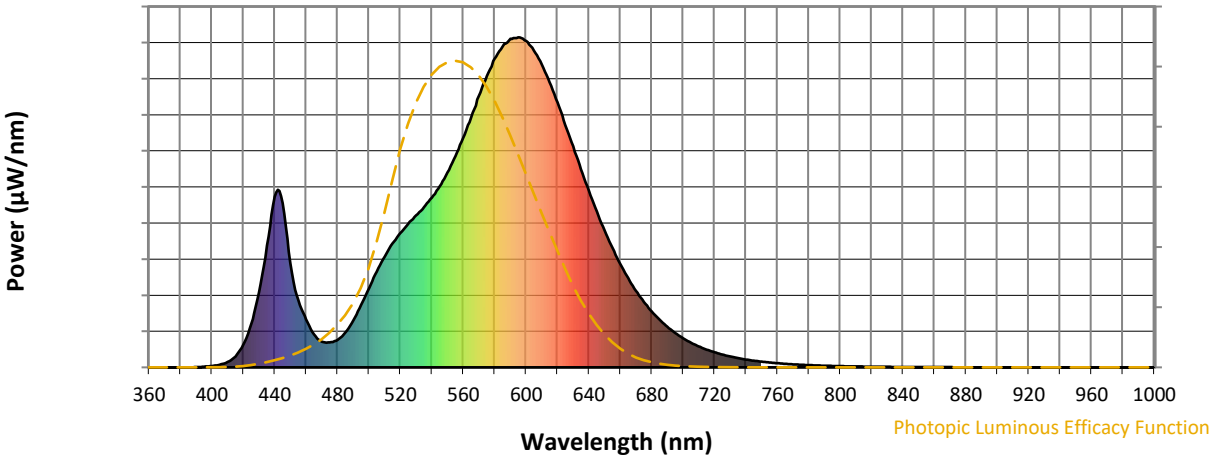


CCT = 2985K
CIE x = 0.4408
CIE y = 0.4101
Duv = 0.0019

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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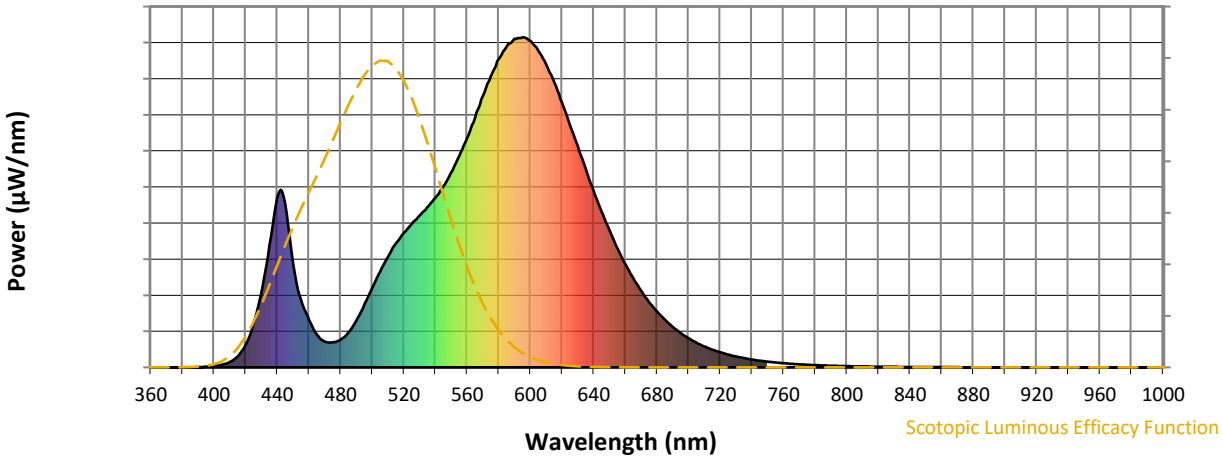
Scotopic Flux vs. Wavelength



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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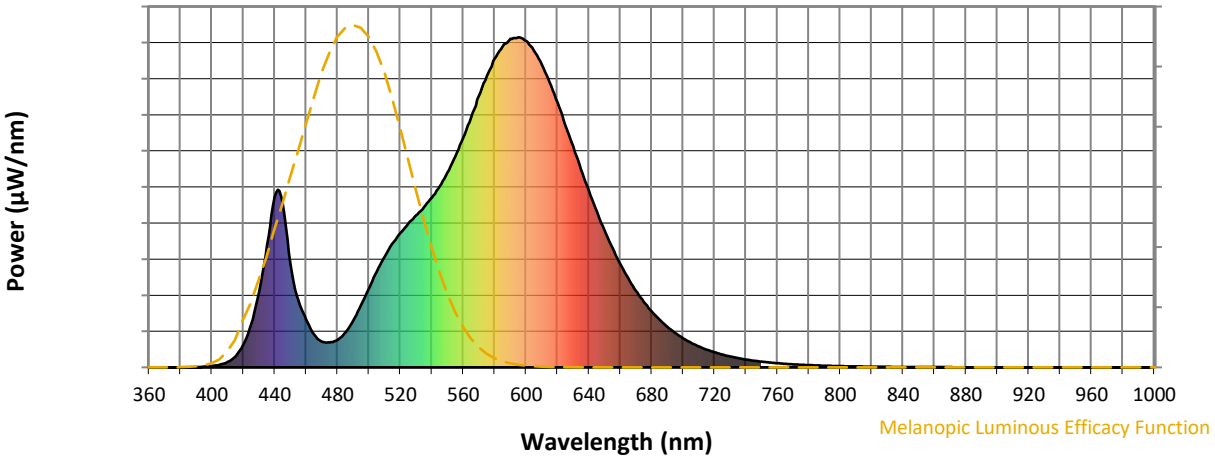
Melanopic Flux vs. Wavelength



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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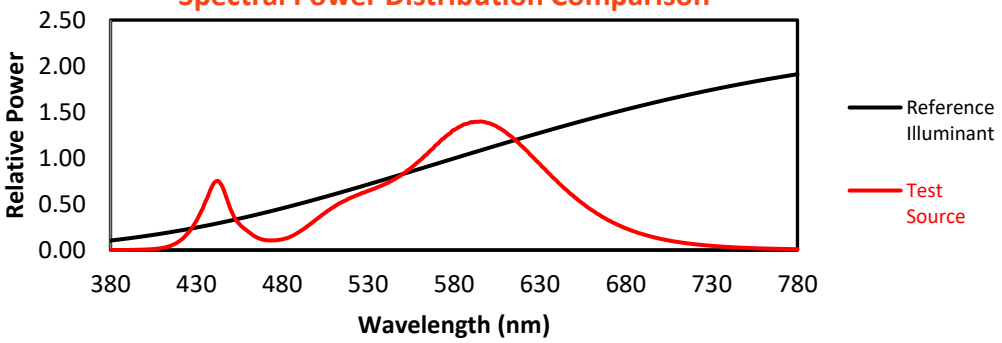
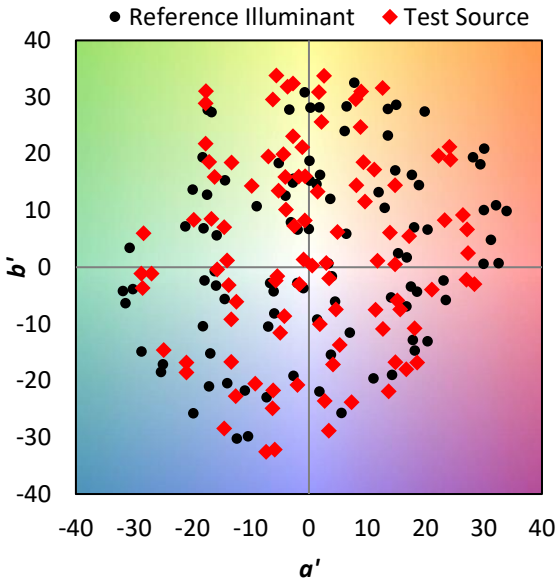
Summary

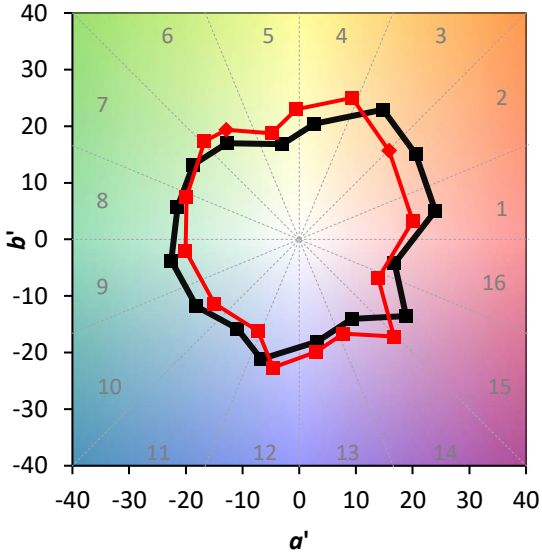
R_f = 73.8
R_g = 94.4
CIE R_a = 70.8
R_9 = -43.2

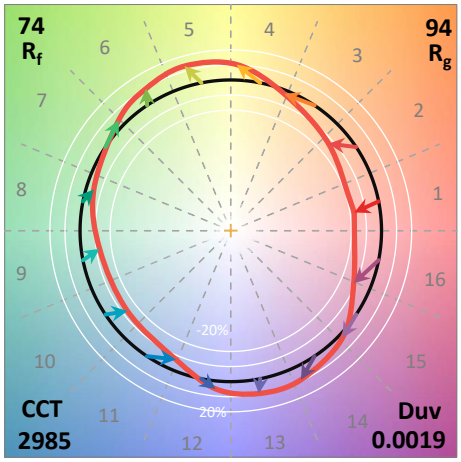
Spectral Power Distribution Comparison

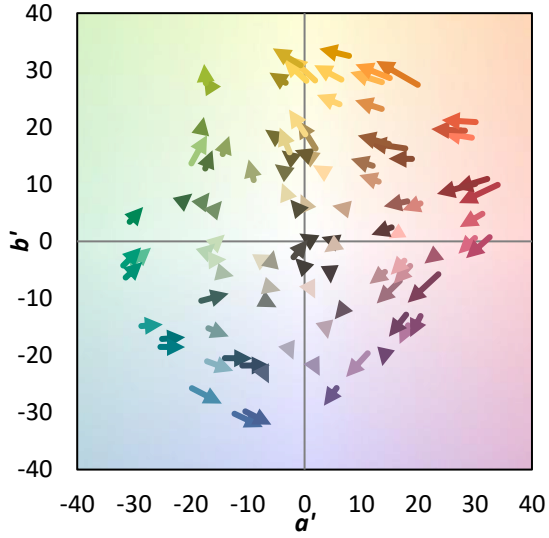


Color Vector Graphics









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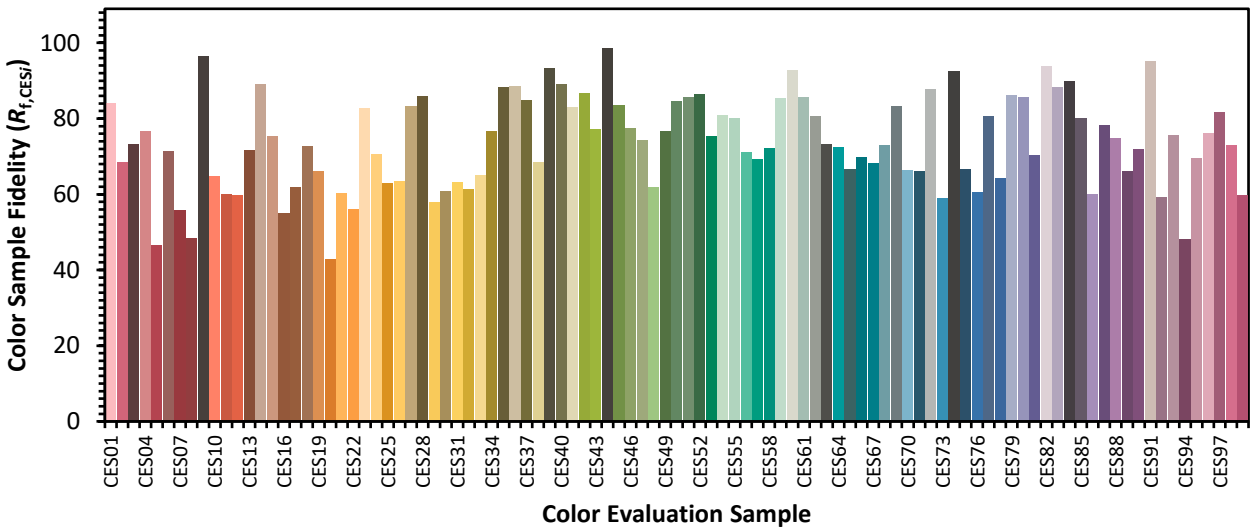
Individual Sample Fidelity Index ($R_{f,i}$)

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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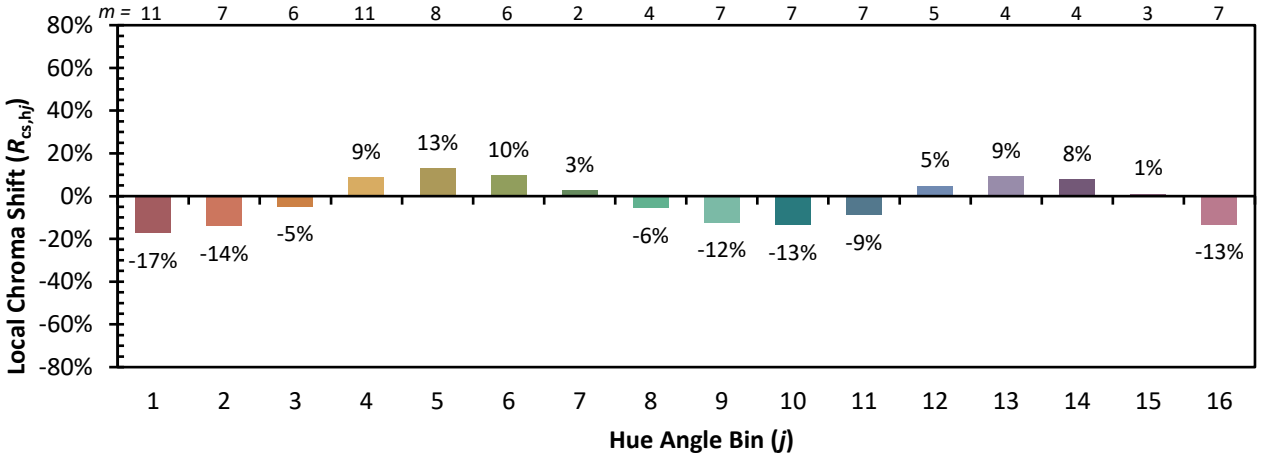
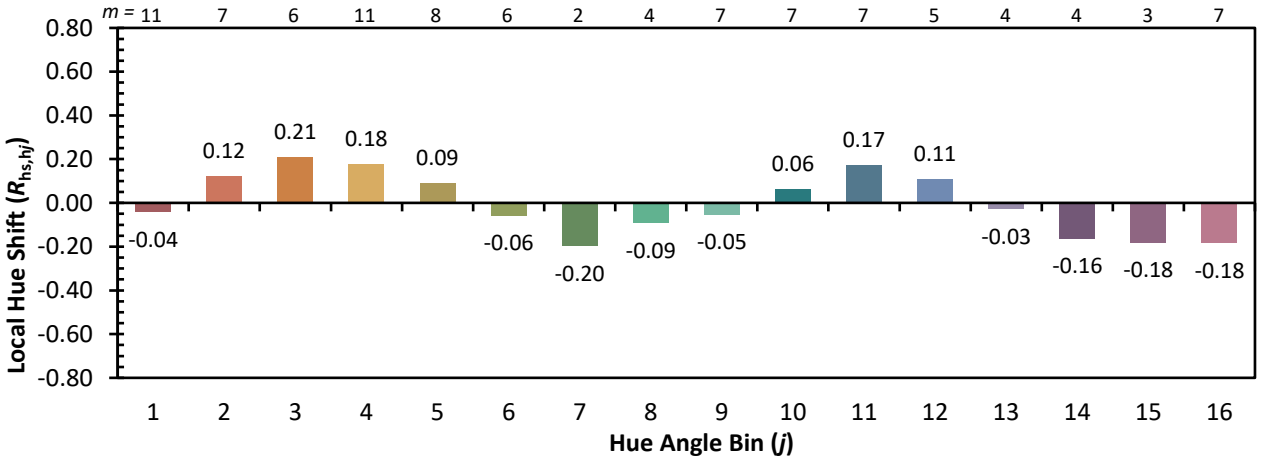
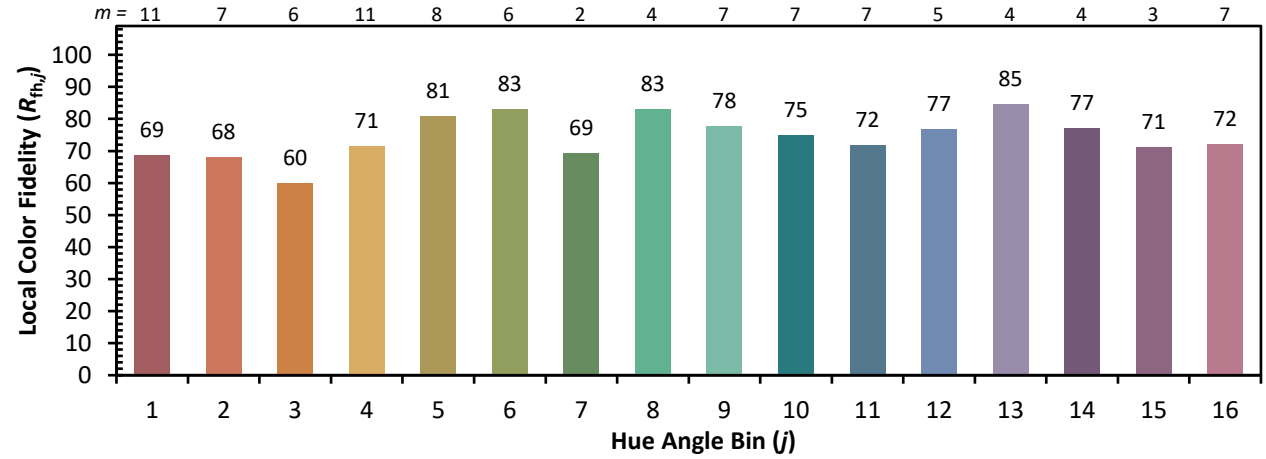
Color Rendition by Hue-Angle Bin







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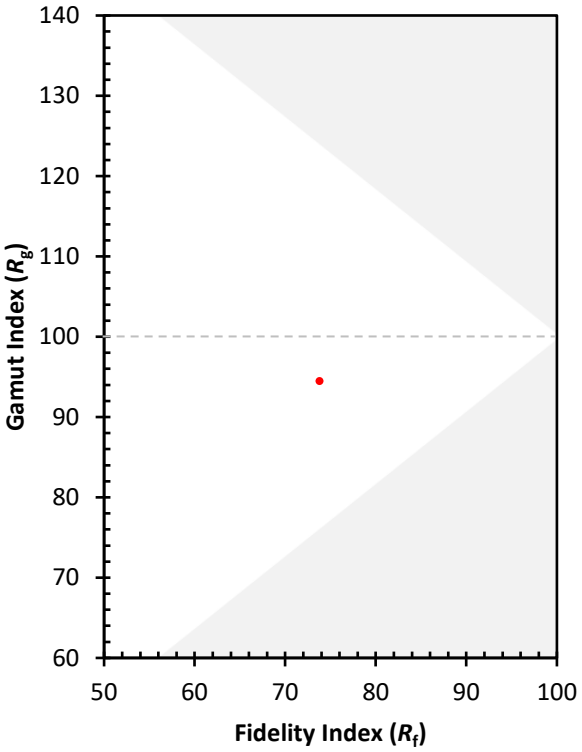
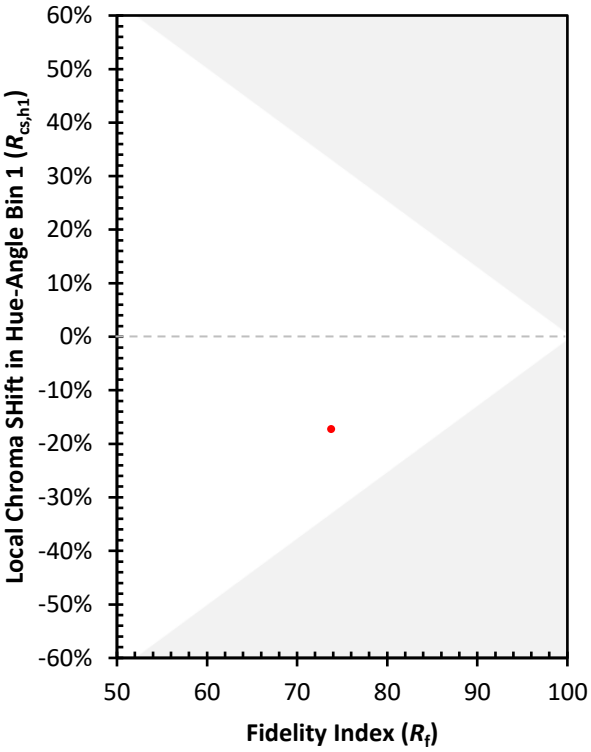
Measure Comparisons





(END OF REPORT)