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: P1067140

Luminaire Tested: **NAV-SA4D-835-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:	P1067140
Test Lab:	INNOVATION CENTER(G3)
Issue Date:	08/07/2025
Manufacturer:	COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line:	LUMARK
Catalog Number:	NAV-SA4D-835-U-T3BC
Description:	Navion AREA AND ROADWAY LUMINAIRE 1200mA 4xLight Square PACKAGE 80CRI 3500K FIXTURE w/ TYPE III ANGLED BACKLIGHT CONTROL
Light Source:	(56) 3500K CCT, 80 CRI LEDS
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	22211.8 lumens
Efficiency:	N/A
Efficacy:	101.5 lumens/watt
Luminous Opening:	Rectangular (W 1' x L: 1' x H: 0')
IES Classification:	Type III - Short
BUG Rating:	B0 - U0 - G4

Input Watts (W):	218.9
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: P1067140
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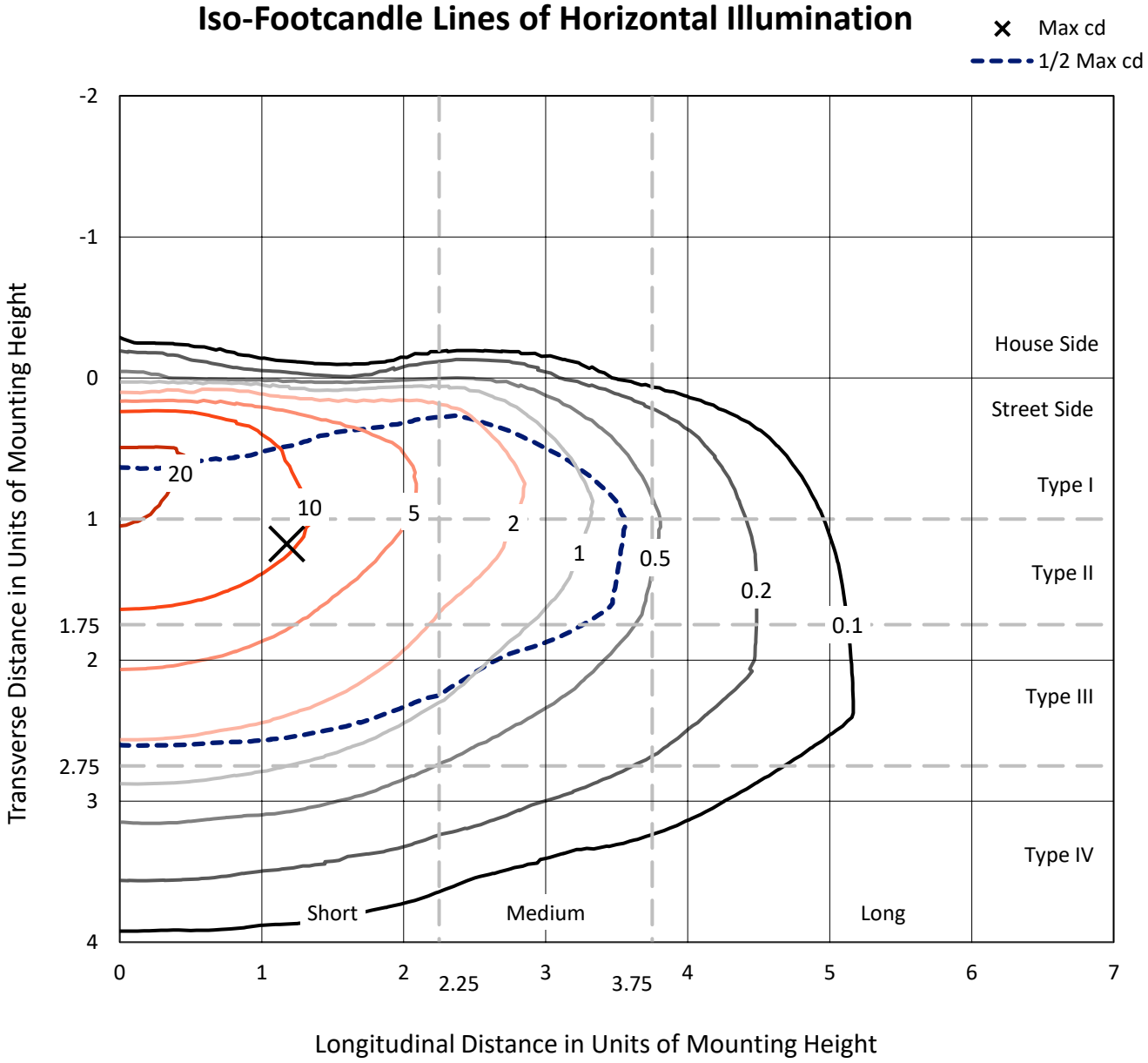
Iso-Footcandle Lines of Horizontal Illumination



Based on 15 foot mounting height. Maximum calculated value = 24.2 fc
Type III - Short - N/A

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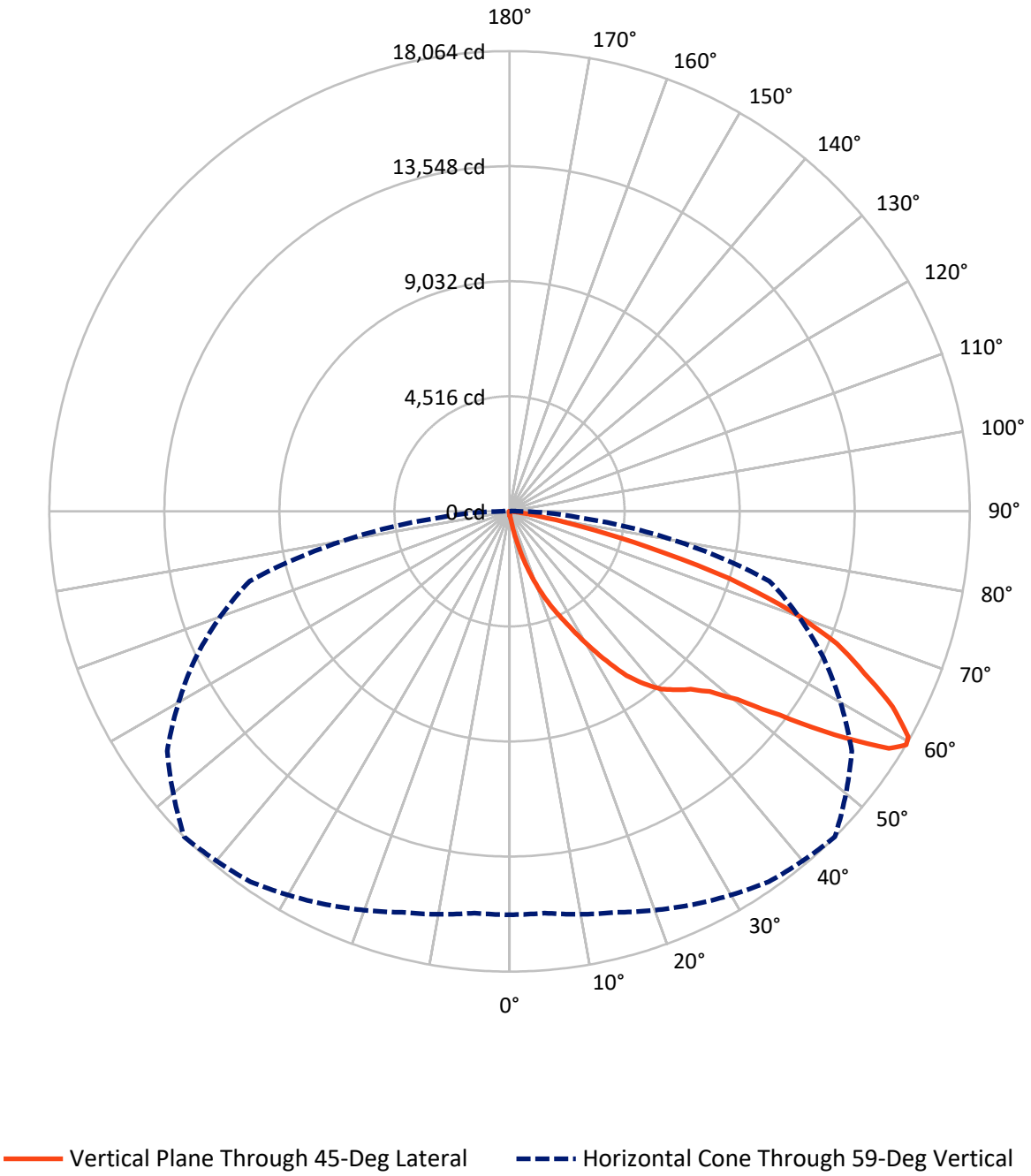
Luminous Intensity Polar Plot



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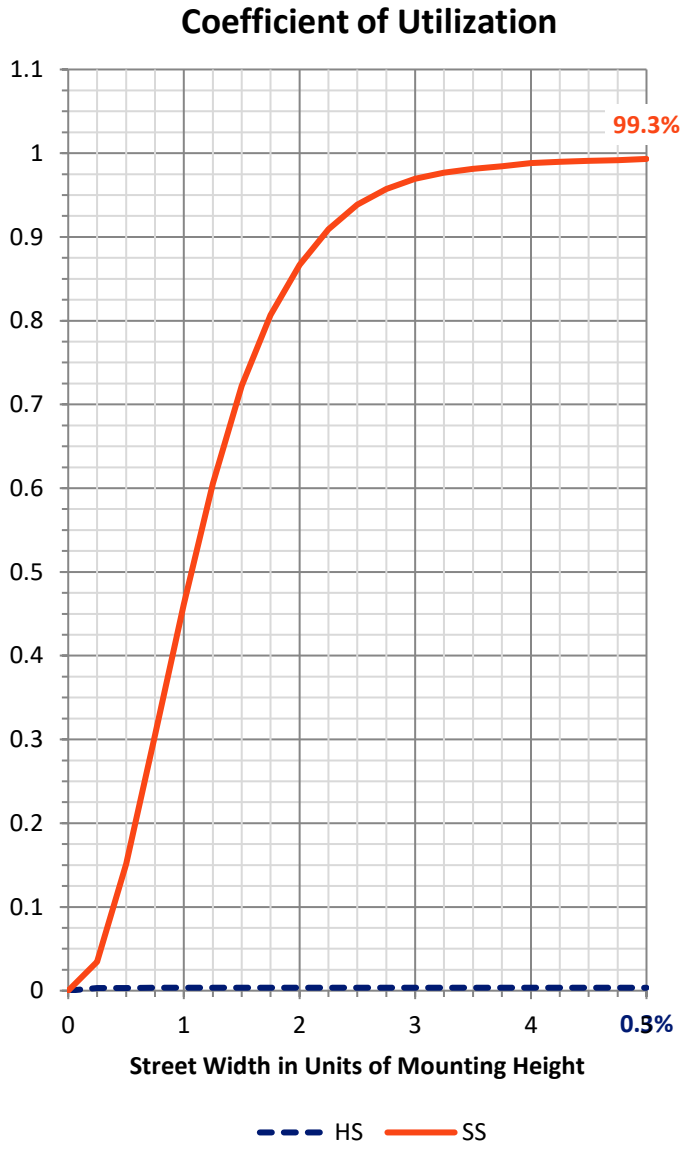
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	78.9	0.0	78.9
	% Fixture	0.4	0.0	0.4
Street Side	Lumens	22133.0	0.0	22133.0
	% Fixture	99.6	0.0	99.6
Total	Lumens	22211.8	0.0	22211.8
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	20.6	0.1
10°-20°	245.5	1.1
20°-30°	882.1	4.0
30°-40°	2049.8	9.2
40°-50°	3493.8	15.7
50°-60°	5756.9	25.9
60°-70°	6656.2	30.0
70°-80°	2859.7	12.9
80°-90°	247.1	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°	22211.8	100.0
0°-180°	22211.8	100.0



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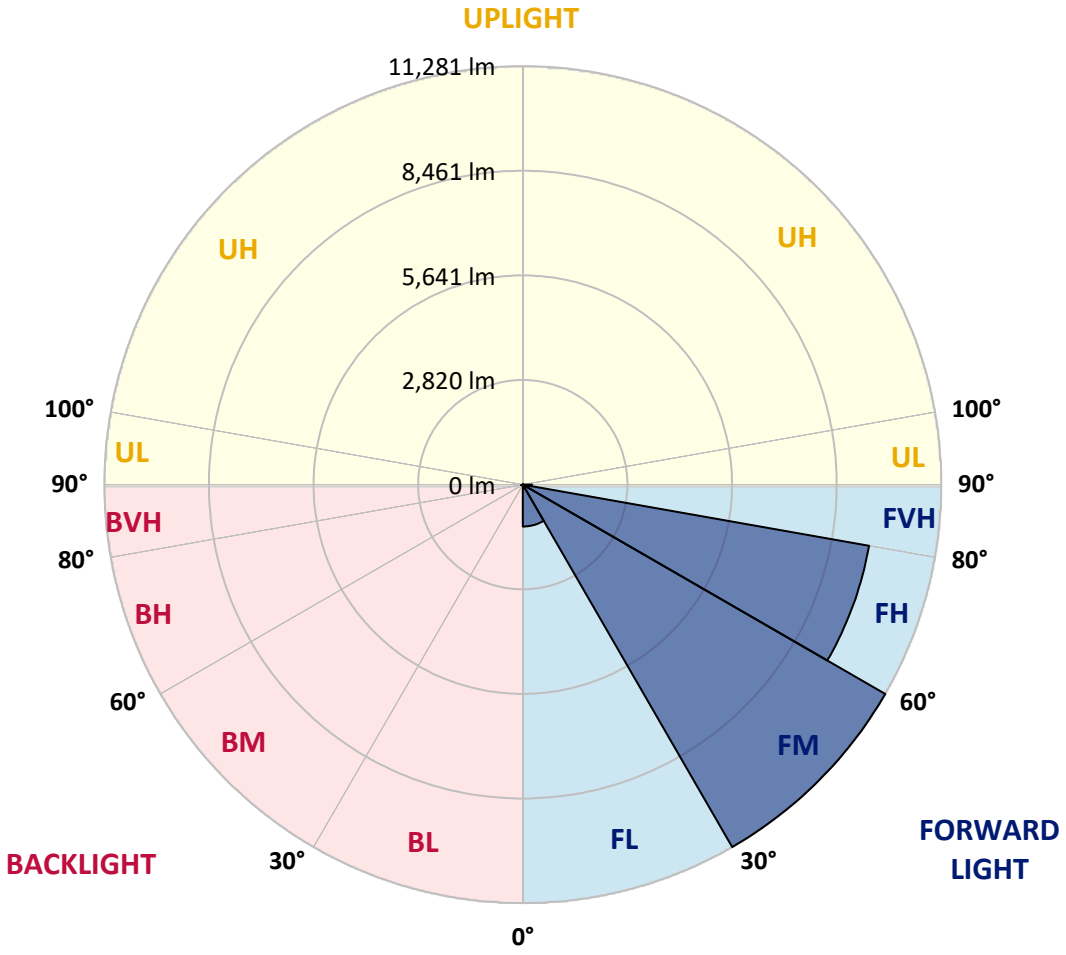
LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	1128.8	5.1			
FM	(30°-60°)	11281.4	50.8			
FH	(60°-80°)	9478.8	42.7			G4/12000
FVH	(80°-90°)	243.9	1.1			G3/500
BL	(0°-30°)	19.5	0.1	B0/110		
BM	(30°-60°)	19.1	0.1	B0/220		
BH	(60°-80°)	37.1	0.2	B0/110		G0/110
BVH	(80°-90°)	3.2	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-G4
Type III Short



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REPORT NUMBER: P1067140
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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	44°	45°	55°	65°	75°	85°
0°	140.4	140.4	140.4	140.4	140.4	140.4	*140.4*	140.4	140.4	140.4	140.4
2.5°	182.2	182.2	177.7	171.8	170.3	165.8	*165.8*	161.3	155.3	150.8	144.9
5°	264.4	262.9	250.9	236.0	216.6	204.6	*204.6*	188.2	173.2	159.8	147.9
7.5°	578.0	564.6	521.2	449.6	355.5	292.7	*288.3*	234.5	198.6	171.8	149.4
10°	1326.3	1280.0	1218.7	1047.0	773.6	540.7	*530.2*	342.0	237.5	185.2	152.3
12.5°	2173.1	2210.4	2088.0	1817.6	1498.0	1114.2	*1039.5*	576.5	313.6	203.1	155.3
15°	2943.7	2934.8	2866.1	2645.0	2276.1	1765.4	*1719.1*	1002.2	449.6	231.5	158.3
17.5°	3520.3	3509.8	3444.1	3302.2	3018.4	2507.6	*2467.3*	1598.1	704.9	271.8	161.3
20°	4128.1	4114.7	4022.1	3908.6	3660.6	3226.0	*3178.2*	2264.2	1103.7	337.5	161.3
22.5°	4857.0	4831.6	4733.0	4540.3	4279.0	3901.1	*3857.8*	2945.2	1598.1	445.1	168.8
25°	5738.1	5694.8	5558.9	5385.7	5070.5	4568.7	*4522.4*	3704.0	2194.0	607.9	176.2
27.5°	6743.3	6750.8	6567.1	6274.3	5851.7	5339.4	*5252.7*	4383.5	2810.8	840.9	185.2
30°	7936.6	7861.9	7603.6	7263.0	6852.3	6199.6	*6116.0*	5060.1	3503.8	1184.4	200.1
32.5°	9053.8	8973.1	8625.1	8196.5	7755.9	7067.4	*6998.7*	5820.3	4134.1	1590.6	227.0
35°	10012.6	9955.9	9469.0	8946.2	8554.9	7939.6	*7918.7*	6668.6	4874.9	2028.2	256.9
37.5°	10856.5	10753.4	10127.6	9585.5	9188.2	8637.1	*8592.3*	7445.2	5588.8	2536.0	301.7
40°	11576.4	11519.6	10756.4	10044.0	9721.4	9228.5	*9171.8*	8126.3	6326.6	3126.0	357.0
42.5°	12347.0	12272.3	11531.5	10732.5	10138.1	9610.9	*9573.5*	8687.9	6983.7	3774.2	439.1
45°	13217.7	13078.8	12429.2	11712.3	10808.7	10006.7	*9964.8*	9188.2	7657.3	4470.1	539.2
47.5°	14148.2	14027.2	13501.5	12998.2	11958.7	10659.3	*10569.7*	9613.9	8326.4	5273.7	666.1
50°	15095.1	15098.1	14703.8	14461.9	13364.1	11719.7	*11592.8*	10239.6	9029.9	6133.9	854.3
52.5°	16197.3	16225.7	16219.7	16040.5	15189.2	13453.7	*13283.5*	11189.5	9846.8	7137.6	1114.2
55°	16658.8	16709.6	17039.7	17437.0	17205.5	15652.2	*15470.0*	12827.9	10929.7	8256.2	1499.5
57.5°	16281.0	16337.7	16793.3	17489.2	18020.9	17577.4	*17556.4*	14960.7	12356.0	9612.4	2129.8
59°	*15831.4*	*15824.0*	*16291.4*	*17029.2*	*17746.1*	*18034.4*	*18064.2*	*16403.4*	*13598.6*	*10563.7*	*2673.4*
60°	15532.7	15538.7	15849.3	16606.6	17368.3	17868.6	*17985.1*	17253.3	14324.4	11247.8	3139.4
62.5°	14379.7	14448.4	14694.8	15398.3	16121.2	16679.7	*16878.4*	18010.5	16401.9	12863.8	4759.9
65°	13126.6	13131.1	13482.1	14084.0	14777.0	15169.8	*15295.2*	16832.1	17789.4	14509.6	6885.2
67.5°	10890.8	10981.9	11380.7	12356.0	13271.5	13768.9	*13864.4*	14651.5	17214.4	15582.0	7950.1
70°	7621.5	7741.0	8310.0	9575.0	10938.6	11755.6	*11749.6*	12179.7	15150.4	15104.1	6740.3
72.5°	3805.5	4011.6	4476.1	5830.7	7482.6	8765.5	*9035.9*	9797.6	12170.8	12545.7	5028.7
75°	1681.7	1693.7	1958.0	2640.6	3718.9	5348.3	*5590.3*	7776.8	9337.5	8719.2	3632.3
77.5°	978.3	987.2	1035.0	1185.9	1507.0	2621.1	*2893.0*	5100.4	6598.4	5067.5	2368.7
80°	355.5	364.4	362.9	449.6	660.1	1032.0	*1150.0*	2471.8	4401.4	2668.9	1241.1
82.5°	218.1	218.1	210.6	212.1	240.5	395.8	*433.1*	1052.9	2143.2	1314.3	355.5
85°	107.5	113.5	121.0	135.9	161.3	195.7	*207.6*	301.7	721.4	318.1	85.1
87.5°	64.2	65.7	71.7	86.6	107.5	140.4	*149.4*	204.6	258.4	213.6	20.9
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-SA4D-835-U-T3BC

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	140.4	140.4	140.4	140.4	140.4	140.4	140.4	140.4	140.4	140.4	140.4
2.5°	141.9	140.4	132.9	127.0	121.0	115.0	110.5	106.0	106.0	107.5	106.0
5°	141.9	135.9	124.0	113.5	104.5	97.1	89.6	83.6	82.1	82.1	83.6
7.5°	140.4	132.9	116.5	103.1	91.1	80.7	73.2	65.7	64.2	65.7	64.2
10°	138.9	129.9	110.5	94.1	77.7	67.2	56.8	49.3	49.3	49.3	50.8
12.5°	138.9	125.5	104.5	85.1	67.2	55.3	44.8	37.3	35.8	35.8	35.8
15°	137.4	122.5	98.6	74.7	56.8	41.8	32.9	25.4	25.4	25.4	25.4
17.5°	134.4	118.0	91.1	65.7	44.8	31.4	22.4	14.9	14.9	17.9	17.9
20°	131.4	113.5	82.1	53.8	37.3	23.9	14.9	9.0	9.0	13.4	14.9
22.5°	132.9	113.5	76.2	47.8	29.9	17.9	11.9	7.5	6.0	10.5	13.4
25°	134.4	110.5	68.7	41.8	22.4	13.4	9.0	3.0	1.5	3.0	4.5
27.5°	134.4	107.5	59.7	32.9	16.4	10.5	4.5	0.0	0.0	0.0	0.0
30°	132.9	103.1	52.3	26.9	11.9	6.0	1.5	0.0	0.0	0.0	0.0
32.5°	131.4	98.6	47.8	20.9	10.5	3.0	0.0	0.0	0.0	0.0	0.0
35°	132.9	92.6	41.8	16.4	6.0	0.0	0.0	0.0	0.0	0.0	3.0
37.5°	137.4	86.6	35.8	13.4	4.5	0.0	0.0	0.0	0.0	0.0	0.0
40°	143.4	82.1	29.9	10.5	1.5	0.0	0.0	0.0	0.0	0.0	0.0
42.5°	155.3	82.1	26.9	7.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
45°	170.3	82.1	22.4	6.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
47.5°	189.7	83.6	19.4	6.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
50°	213.6	86.6	17.9	4.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
52.5°	231.5	83.6	16.4	4.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
55°	262.9	80.7	14.9	3.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
57.5°	304.7	76.2	14.9	1.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
59°	*346.5*	*70.2*	*14.9*	*1.5*	*0.0*	*0.0*	*0.0*	*0.0*	*0.0*	*0.0*	*0.0*
60°	394.3	67.2	13.4	1.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
62.5°	651.2	59.7	11.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
65°	1257.6	56.8	10.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
67.5°	2032.7	56.8	7.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
70°	2137.2	56.8	6.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
72.5°	1421.8	46.3	4.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
75°	761.7	41.8	4.5	1.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	410.7	38.8	6.0	3.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	180.7	28.4	7.5	4.5	3.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	71.7	19.4	9.0	7.5	6.0	3.0	0.0	0.0	0.0	0.0	0.0
85°	34.4	14.9	11.9	10.5	7.5	4.5	0.0	0.0	0.0	0.0	0.0
87.5°	16.4	14.9	13.4	11.9	10.5	7.5	1.5	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: SP1-2407-184-10

Test Date: 10/11/2024

Luminaire Tested: GSS-SB1A-835-U-5WQ

Data in this report applies to families of products including GSS-SB1A-835-U-5WQ

Report Generated By FNC07603 / LDUCLS01DT446
Version: v7.04

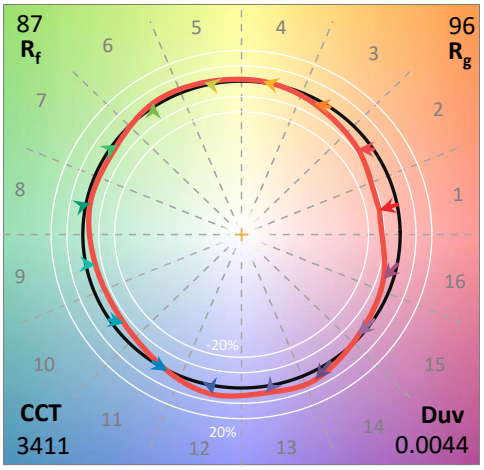
Test Information

Test Method:	LM-79-2019
Report Number:	SP1-2407-184-10
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-835-U-5WQ**
Description:	GALLEON II SITE SLIM 1SQ 350MA 5WQ HIGH DENSITY LIGHTSQUARE WITH 80 CRI 3500K CCT 26 LEDS

Spectral Parameters

CCT (K):	3411
CIE u':	0.2360
CIE v':	0.5189
Duv:	0.0044
CIE x:	0.4154
CIE y:	0.4059
CIE z:	0.1787
Peak Wavelength (nm):	601
Dominant Wavelength (nm):	579
Purity:	46.51914
Rf:	86.6
Rg:	95.9

CRI (Ra):	83.5
R1:	81.1
R2:	88.9
R3:	97.2
R4:	83.8
R5:	81.7
R6:	86.9
R7:	86.1
R8:	62.2
R9:	6.3
R10:	75.4
R11:	84.1
R12:	69.7
R13:	82.8
R14:	98.5
R15:	72.6



Test Conditions

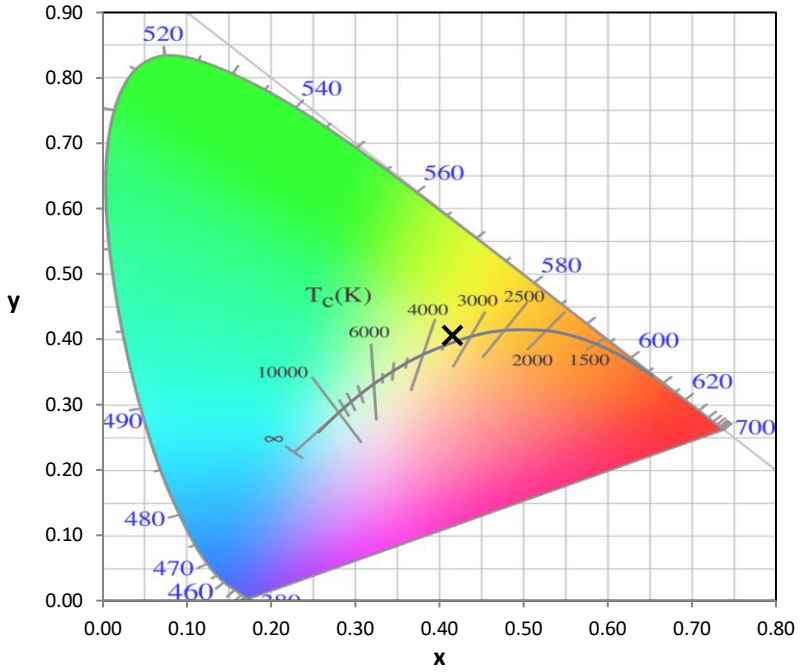
Stabilization Time:	35M
Operation Time:	1H 35M
Sphere Temperature (°C):	25.2

REPORT NUMBER: SP1-2407-184-10

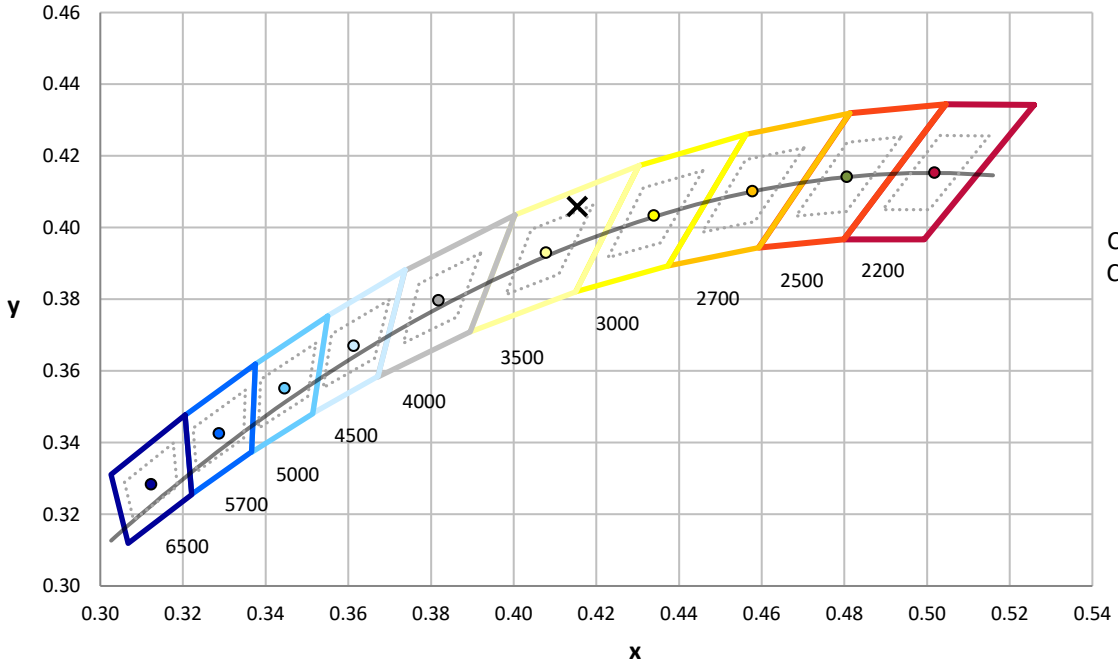
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

REPORT NUMBER: SP1-2407-184-10

CIE 1931 Chromaticity Diagram



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

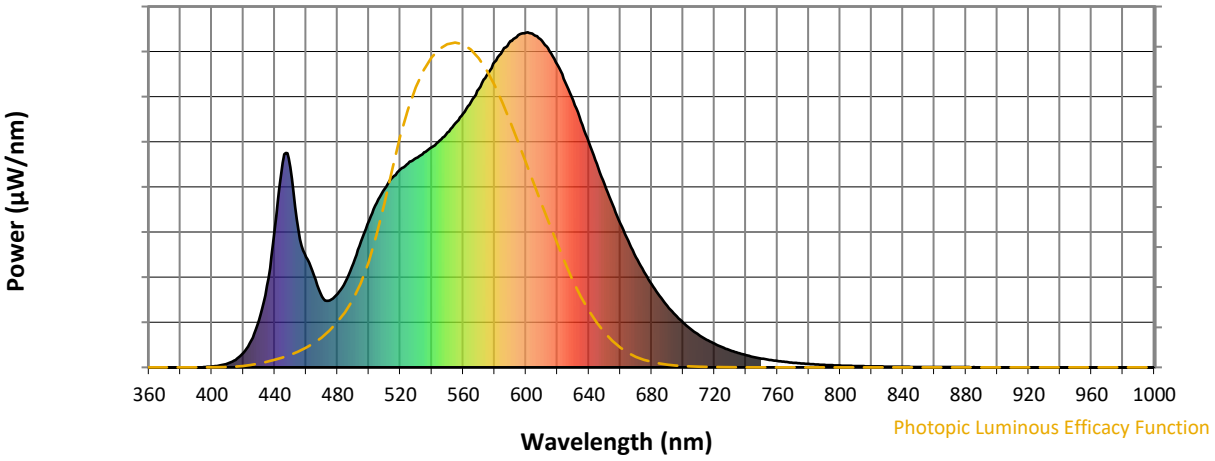


CCT = 3411K
CIE x = 0.4154
CIE y = 0.4059
Duv = 0.0044

Point lies inside the ANSI 3500K 7-step quadrangle

REPORT NUMBER: SP1-2407-184-10

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	311	NR	620	903	NR	750	26	NR	880	1	NR
365	0	NR	495	376	NR	625	851	NR	755	22	NR	885	1	NR
370	0	NR	500	438	NR	630	797	NR	760	19	NR	890	0	NR
375	0	NR	505	491	NR	635	735	NR	765	16	NR	895	0	NR
380	0	NR	510	533	NR	640	672	NR	770	14	NR	900	0	NR
385	0	NR	515	566	NR	645	607	NR	775	12	NR	905	0	NR
390	0	NR	520	592	NR	650	546	NR	780	10	NR	910	0	NR
395	1	NR	525	608	NR	655	487	NR	785	9	NR	915	0	NR
400	3	NR	530	625	NR	660	429	NR	790	7	NR	920	0	NR
405	6	NR	535	642	NR	665	378	NR	795	6	NR	925	0	NR
410	12	NR	540	657	NR	670	329	NR	800	5	NR	930	0	NR
415	22	NR	545	677	NR	675	286	NR	805	5	NR	935	0	NR
420	43	NR	550	701	NR	680	248	NR	810	4	NR	940	0	NR
425	80	NR	555	728	NR	685	213	NR	815	3	NR	945	0	NR
430	140	NR	560	757	NR	690	184	NR	820	3	NR	950	0	NR
435	243	NR	565	793	NR	695	156	NR	825	3	NR	955	0	NR
440	412	NR	570	831	NR	700	134	NR	830	2	NR	960	0	NR
445	610	NR	575	872	NR	705	114	NR	835	2	NR	965	0	NR
450	597	NR	580	911	NR	710	97	NR	840	2	NR	970	0	NR
455	412	NR	585	944	NR	715	83	NR	845	1	NR	975	0	NR
460	330	NR	590	974	NR	720	70	NR	850	1	NR	980	0	NR
465	274	NR	595	992	NR	725	60	NR	855	1	NR	985	0	NR
470	211	NR	600	999	NR	730	51	NR	860	1	NR	990	0	NR
475	200	NR	605	992	NR	735	43	NR	865	1	NR	995	0	NR
480	220	NR	610	975	NR	740	36	NR	870	1	NR	1000	0	NR
485	255	NR	615	944	NR	745	31	NR	875	1	NR			

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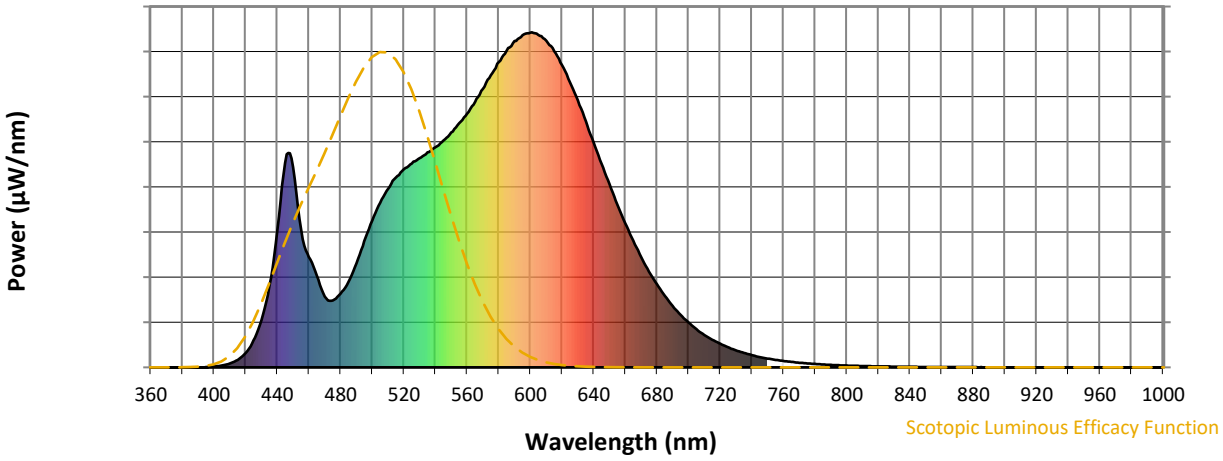
Scotopic Flux vs. Wavelength



Scotopic Lumens: NR **S/P: 1.48**

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	311	NR	620	903	NR	750	26	NR	880	1	NR
365	0	NR	495	376	NR	625	851	NR	755	22	NR	885	1	NR
370	0	NR	500	438	NR	630	797	NR	760	19	NR	890	0	NR
375	0	NR	505	491	NR	635	735	NR	765	16	NR	895	0	NR
380	0	NR	510	533	NR	640	672	NR	770	14	NR	900	0	NR
385	0	NR	515	566	NR	645	607	NR	775	12	NR	905	0	NR
390	0	NR	520	592	NR	650	546	NR	780	10	NR	910	0	NR
395	1	NR	525	608	NR	655	487	NR	785	9	NR	915	0	NR
400	3	NR	530	625	NR	660	429	NR	790	7	NR	920	0	NR
405	6	NR	535	642	NR	665	378	NR	795	6	NR	925	0	NR
410	12	NR	540	657	NR	670	329	NR	800	5	NR	930	0	NR
415	22	NR	545	677	NR	675	286	NR	805	5	NR	935	0	NR
420	43	NR	550	701	NR	680	248	NR	810	4	NR	940	0	NR
425	80	NR	555	728	NR	685	213	NR	815	3	NR	945	0	NR
430	140	NR	560	757	NR	690	184	NR	820	3	NR	950	0	NR
435	243	NR	565	793	NR	695	156	NR	825	3	NR	955	0	NR
440	412	NR	570	831	NR	700	134	NR	830	2	NR	960	0	NR
445	610	NR	575	872	NR	705	114	NR	835	2	NR	965	0	NR
450	597	NR	580	911	NR	710	97	NR	840	2	NR	970	0	NR
455	412	NR	585	944	NR	715	83	NR	845	1	NR	975	0	NR
460	330	NR	590	974	NR	720	70	NR	850	1	NR	980	0	NR
465	274	NR	595	992	NR	725	60	NR	855	1	NR	985	0	NR
470	211	NR	600	999	NR	730	51	NR	860	1	NR	990	0	NR
475	200	NR	605	992	NR	735	43	NR	865	1	NR	995	0	NR
480	220	NR	610	975	NR	740	36	NR	870	1	NR	1000	0	NR
485	255	NR	615	944	NR	745	31	NR	875	1	NR			

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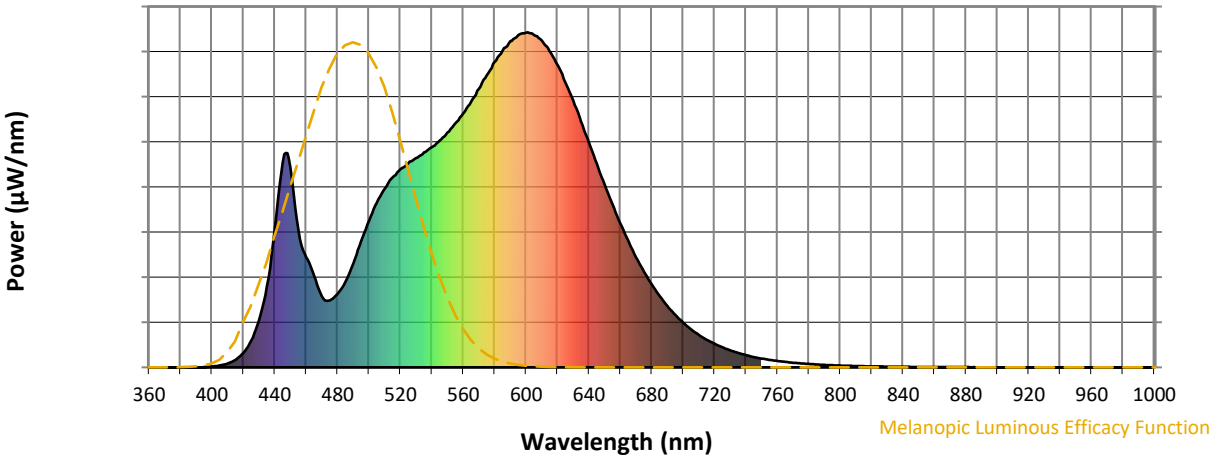
Melanopic Flux vs. Wavelength



Melanopic Lumens: NR **M/P: 2.88**

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	311	NR	620	903	NR	750	26	NR	880	1	NR
365	0	NR	495	376	NR	625	851	NR	755	22	NR	885	1	NR
370	0	NR	500	438	NR	630	797	NR	760	19	NR	890	0	NR
375	0	NR	505	491	NR	635	735	NR	765	16	NR	895	0	NR
380	0	NR	510	533	NR	640	672	NR	770	14	NR	900	0	NR
385	0	NR	515	566	NR	645	607	NR	775	12	NR	905	0	NR
390	0	NR	520	592	NR	650	546	NR	780	10	NR	910	0	NR
395	1	NR	525	608	NR	655	487	NR	785	9	NR	915	0	NR
400	3	NR	530	625	NR	660	429	NR	790	7	NR	920	0	NR
405	6	NR	535	642	NR	665	378	NR	795	6	NR	925	0	NR
410	12	NR	540	657	NR	670	329	NR	800	5	NR	930	0	NR
415	22	NR	545	677	NR	675	286	NR	805	5	NR	935	0	NR
420	43	NR	550	701	NR	680	248	NR	810	4	NR	940	0	NR
425	80	NR	555	728	NR	685	213	NR	815	3	NR	945	0	NR
430	140	NR	560	757	NR	690	184	NR	820	3	NR	950	0	NR
435	243	NR	565	793	NR	695	156	NR	825	3	NR	955	0	NR
440	412	NR	570	831	NR	700	134	NR	830	2	NR	960	0	NR
445	610	NR	575	872	NR	705	114	NR	835	2	NR	965	0	NR
450	597	NR	580	911	NR	710	97	NR	840	2	NR	970	0	NR
455	412	NR	585	944	NR	715	83	NR	845	1	NR	975	0	NR
460	330	NR	590	974	NR	720	70	NR	850	1	NR	980	0	NR
465	274	NR	595	992	NR	725	60	NR	855	1	NR	985	0	NR
470	211	NR	600	999	NR	730	51	NR	860	1	NR	990	0	NR
475	200	NR	605	992	NR	735	43	NR	865	1	NR	995	0	NR
480	220	NR	610	975	NR	740	36	NR	870	1	NR	1000	0	NR
485	255	NR	615	944	NR	745	31	NR	875	1	NR			

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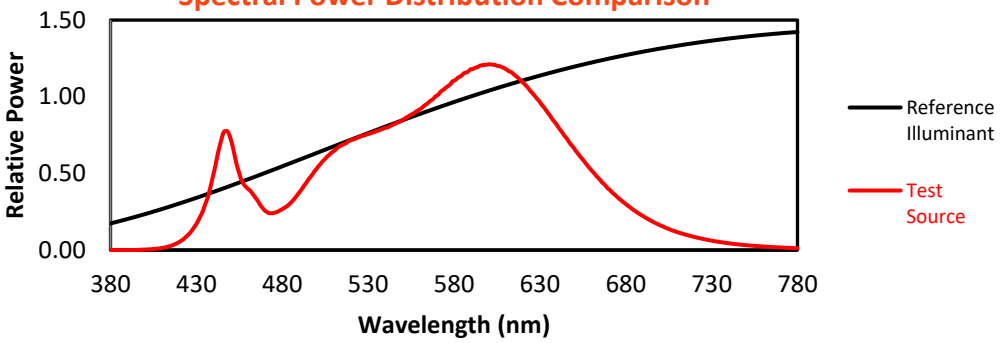
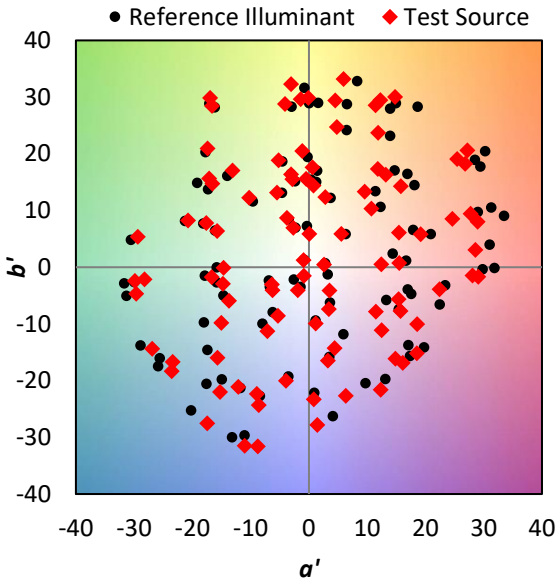
Summary

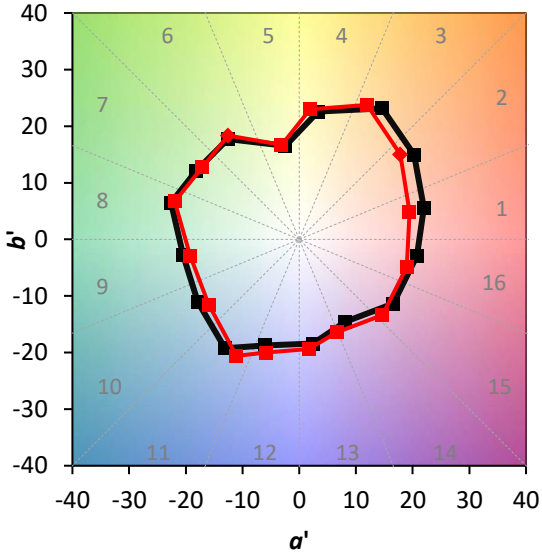
R_f = 86.6
R_g = 95.9
CIE R_a = 83.5
R_9 = 6.3

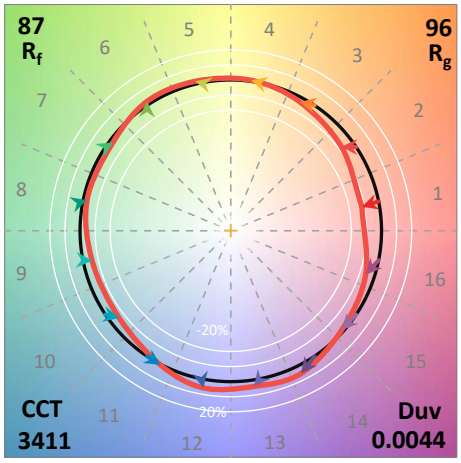
Spectral Power Distribution Comparison

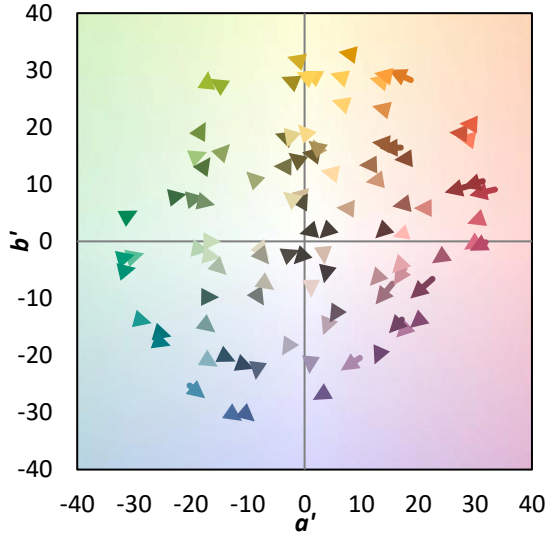


Color Vector Graphics









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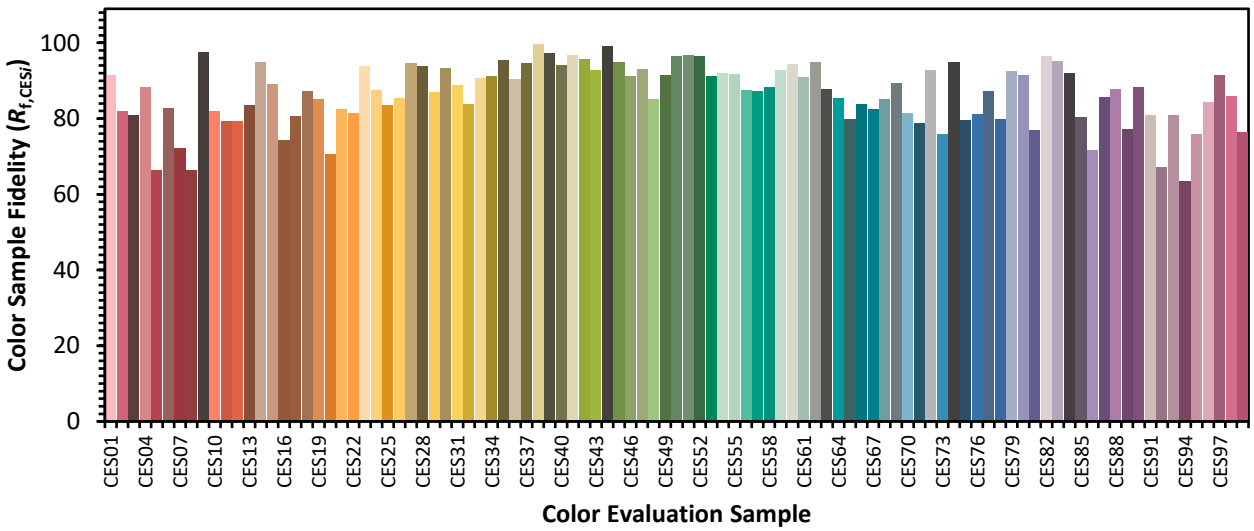
Individual Sample Fidelity Index ($R_{f,i}$)

CES01 = 86	CES26 = 85	CES51 = 97	CES76 = 81
CES02 = 62	CES27 = 95	CES52 = 96	CES77 = 87
CES03 = 31	CES28 = 94	CES53 = 91	CES78 = 80
CES04 = 70	CES29 = 87	CES54 = 92	CES79 = 93
CES05 = 49	CES30 = 93	CES55 = 92	CES80 = 91
CES06 = 51	CES31 = 89	CES56 = 88	CES81 = 77
CES07 = 41	CES32 = 84	CES57 = 87	CES82 = 96
CES08 = 40	CES33 = 91	CES58 = 88	CES83 = 95
CES09 = 29	CES34 = 91	CES59 = 93	CES84 = 92
CES10 = 75	CES35 = 95	CES60 = 94	CES85 = 80
CES11 = 58	CES36 = 90	CES61 = 91	CES86 = 72
CES12 = 64	CES37 = 95	CES62 = 95	CES87 = 86
CES13 = 43	CES38 = 100	CES63 = 88	CES88 = 88
CES14 = 74	CES39 = 97	CES64 = 85	CES89 = 77
CES15 = 71	CES40 = 94	CES65 = 80	CES90 = 88
CES16 = 47	CES41 = 97	CES66 = 84	CES91 = 81
CES17 = 49	CES42 = 96	CES67 = 82	CES92 = 67
CES18 = 56	CES43 = 93	CES68 = 85	CES93 = 81
CES19 = 72	CES44 = 99	CES69 = 89	CES94 = 63
CES20 = 66	CES45 = 95	CES70 = 81	CES95 = 76
CES21 = 86	CES46 = 91	CES71 = 79	CES96 = 84
CES22 = 78	CES47 = 93	CES72 = 93	CES97 = 92
CES23 = 91	CES48 = 85	CES73 = 76	CES98 = 86
CES24 = 90	CES49 = 92	CES74 = 95	CES99 = 77
CES25 = 72	CES50 = 96	CES75 = 80	



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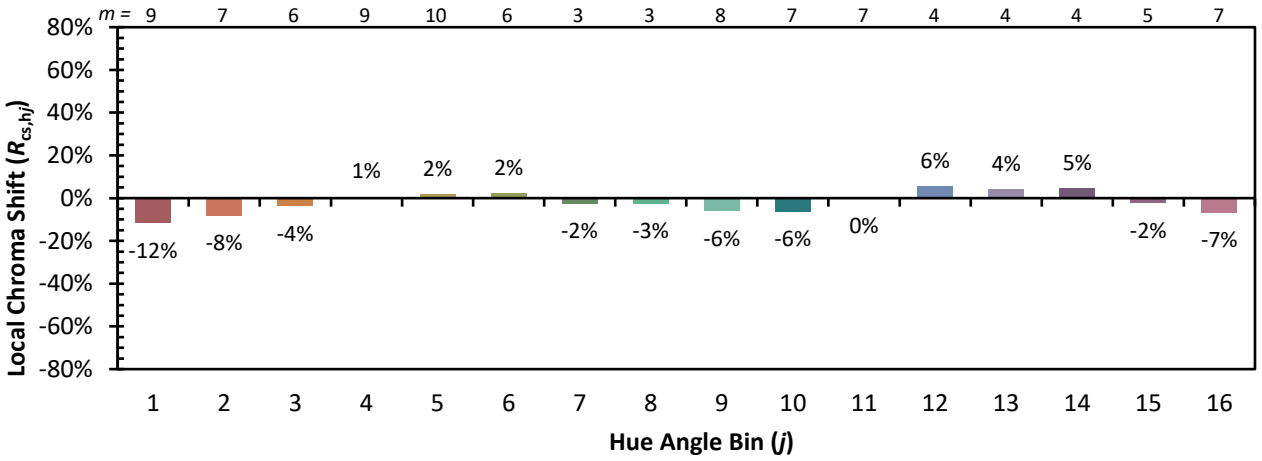
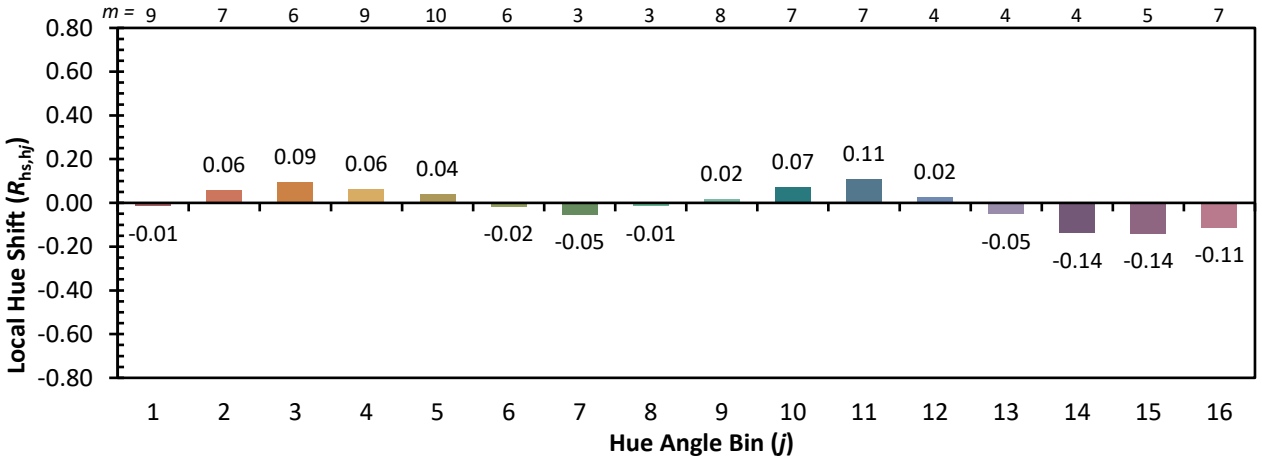
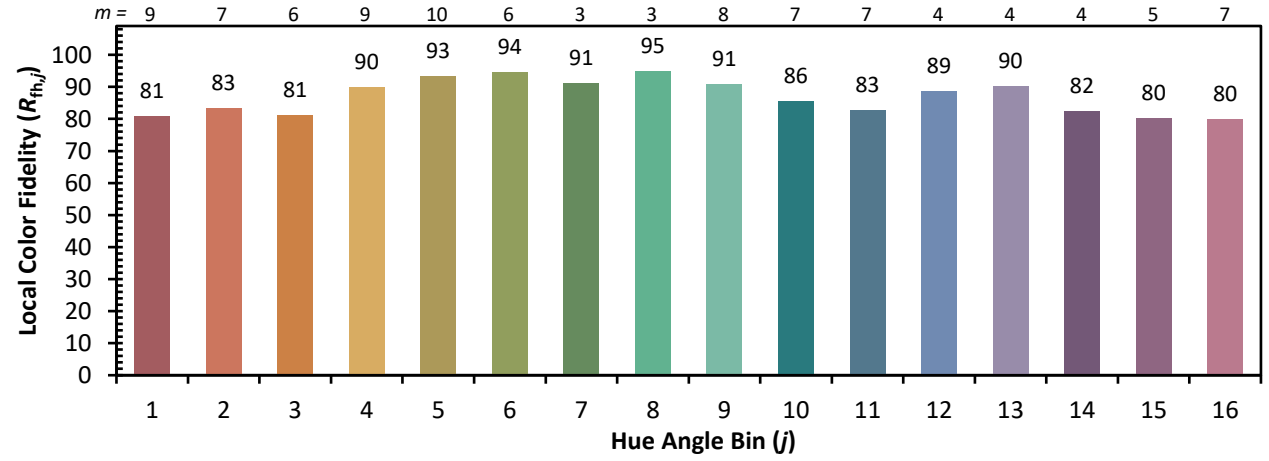
Color Rendition by Hue-Angle Bin







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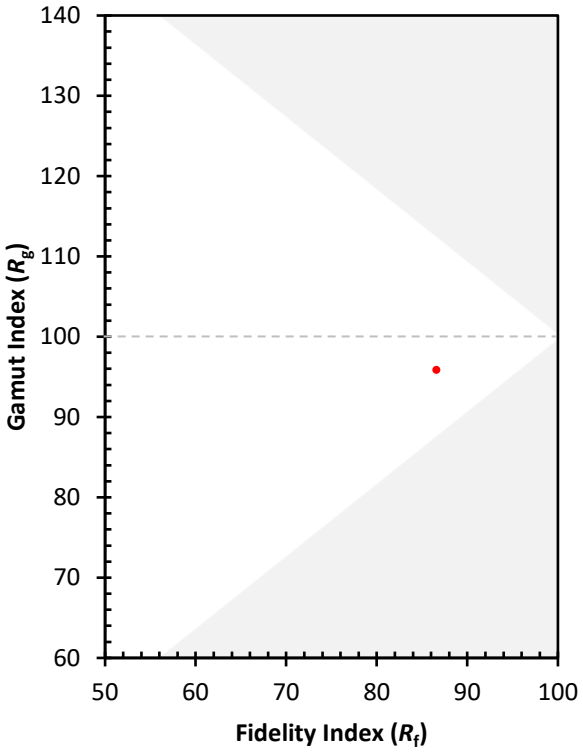
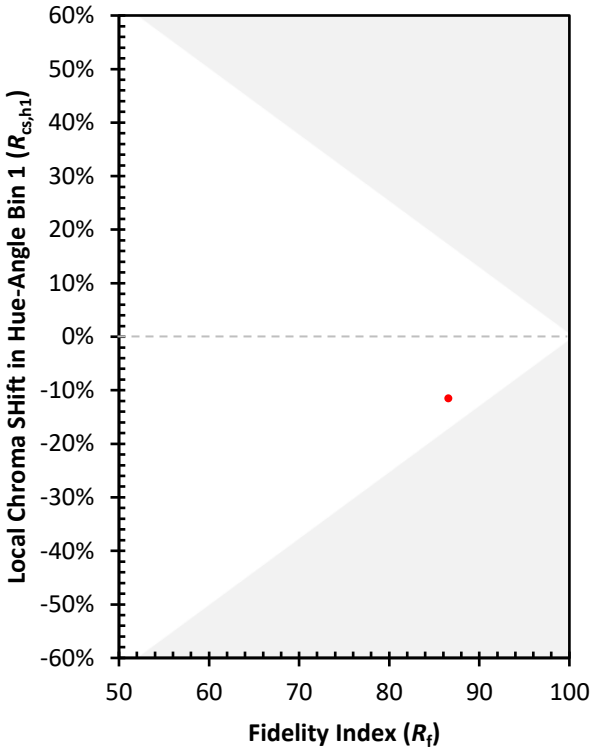
Measure Comparisons





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