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: P1067617

Luminaire Tested: **NAV-SA4A-835-U-T4BC**

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:	P1067617
Test Lab:	INNOVATION CENTER(G3)
Issue Date:	08/07/2025
Manufacturer:	COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line:	LUMARK
Catalog Number:	NAV-SA4A-835-U-T4BC
Description:	Navion AREA AND ROADWAY LUMINAIRE 615mA 4xLight Square PACKAGE 80CRI 3500K FIXTURE w/ TYPE IV ANGLED BACKLIGHT CONTROL
Light Source:	(56) 3500K CCT, 80 CRI LEDS
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	12394.4 lumens
Efficiency:	N/A
Efficacy:	115.4 lumens/watt
Luminous Opening:	Rectangular (W 1' x L: 1' x H: 0')
IES Classification:	Type IV - Short
BUG Rating:	B0 - U0 - G3

Input Watts (W):	107.4
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: P1067617
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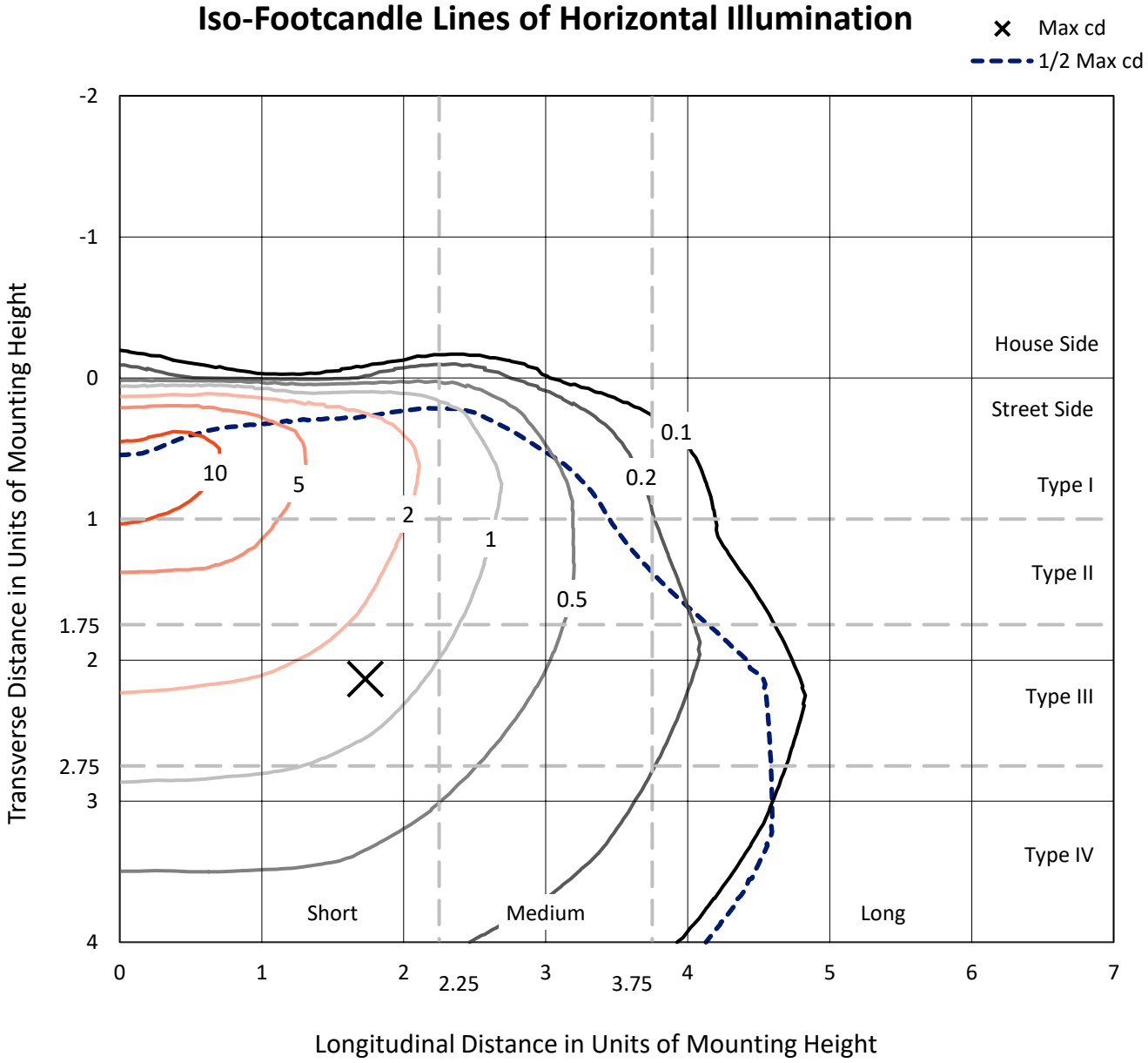
Iso-Footcandle Lines of Horizontal Illumination



Based on 15 foot mounting height. Maximum calculated value = 13.5 fc
Type IV - Short - N/A

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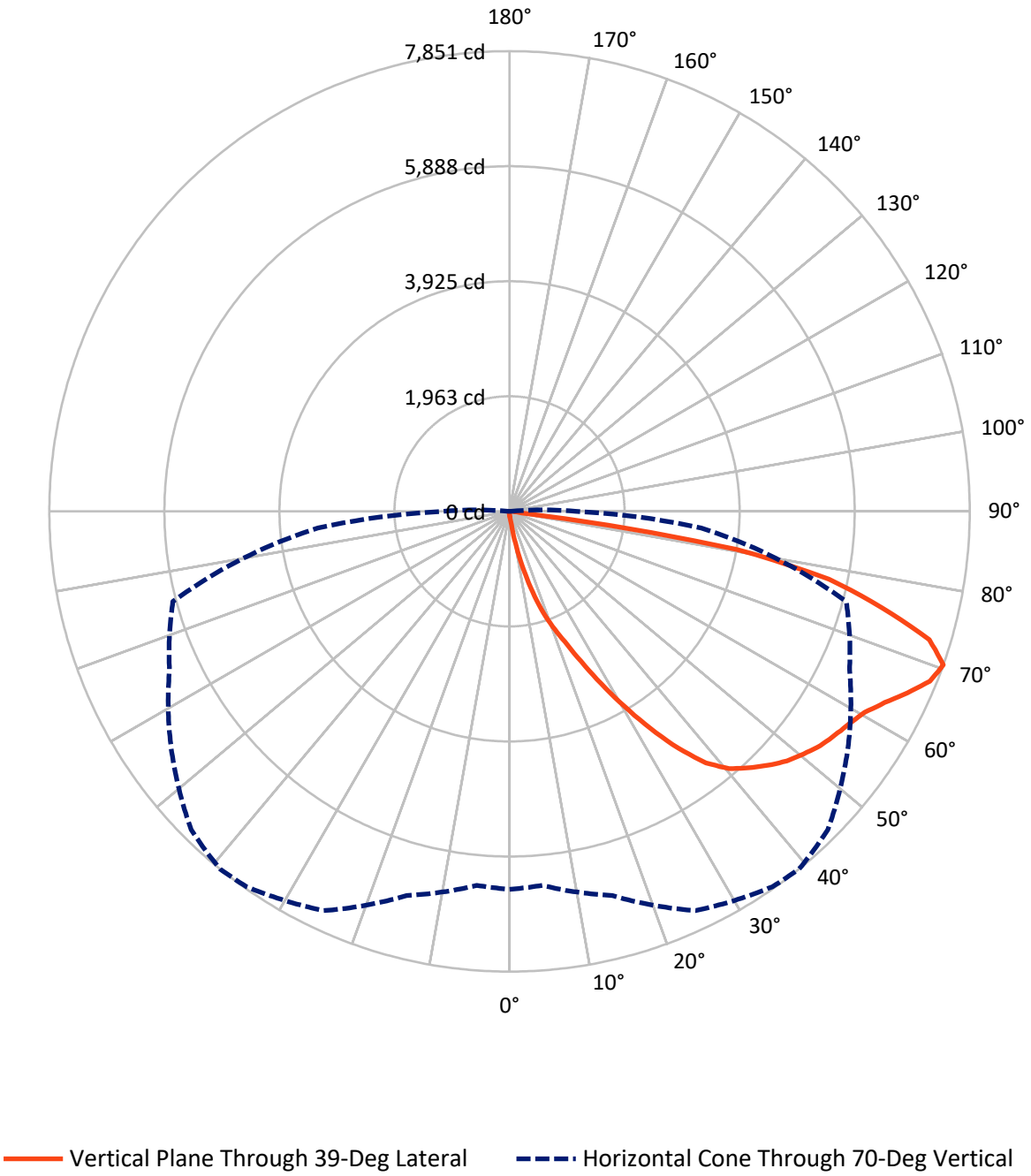
Luminous Intensity Polar Plot



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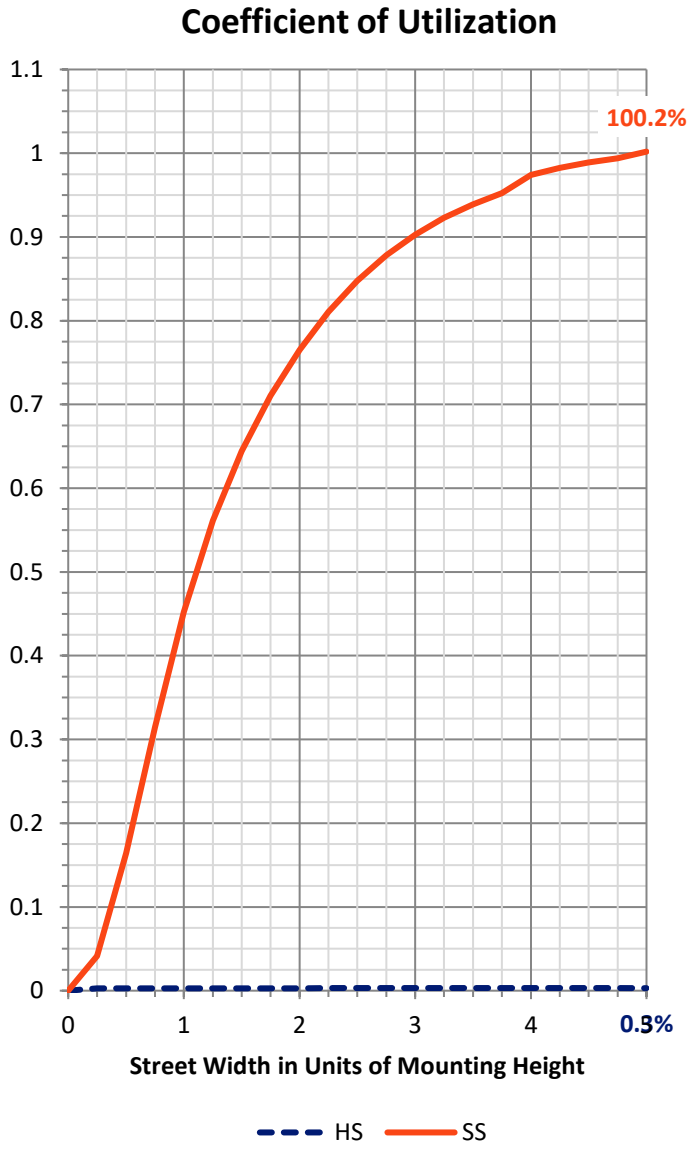
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	38.2	0.0	38.2
	% Fixture	0.3	0.0	0.3
Street Side	Lumens	12356.2	0.0	12356.2
	% Fixture	99.7	0.0	99.7
Total	Lumens	12394.4	0.0	12394.4
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	13.0	0.1
10°-20°	152.4	1.2
20°-30°	517.1	4.2
30°-40°	1215.2	9.8
40°-50°	1973.3	15.9
50°-60°	2500.5	20.2
60°-70°	3176.3	25.6
70°-80°	2580.8	20.8
80°-90°	265.7	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°	12394.4	100.0
0°-180°	12394.4	100.0



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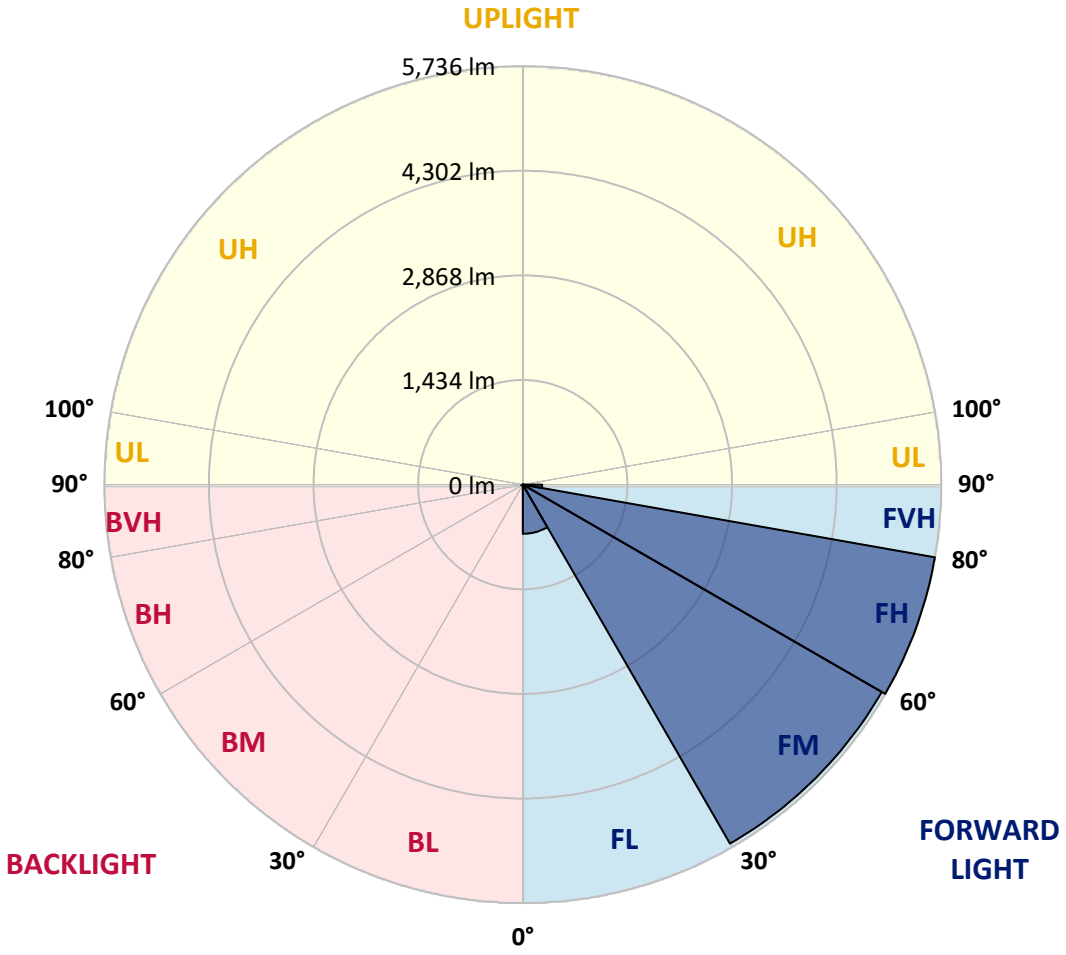
LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	674.2	5.4			
FM	(30°-60°)	5681.7	45.8			
FH	(60°-80°)	5736.1	46.3			G3/7500
FVH	(80°-90°)	264.1	2.1			G3/500
BL	(0°-30°)	8.3	0.1	B0/110		
BM	(30°-60°)	7.3	0.1	B0/220		
BH	(60°-80°)	21.0	0.2	B0/110		G0/110
BVH	(80°-90°)	1.6	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 IV Short



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REPORT NUMBER: P1067617
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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	39°	45°	55°	65°	75°	85°
0°	67.3	67.3	67.3	67.3	67.3	*67.3*	67.3	67.3	67.3	67.3	67.3
2.5°	87.5	87.5	87.5	84.1	84.1	*80.8*	80.8	77.4	74.0	74.0	70.7
5°	164.9	168.3	158.2	138.0	124.5	*117.8*	111.0	94.2	84.1	77.4	70.7
7.5°	450.9	437.5	417.3	350.0	269.2	*228.8*	195.2	138.0	101.0	80.8	70.7
10°	948.9	911.9	854.7	763.9	605.7	*541.8*	420.6	252.4	141.3	90.9	70.7
12.5°	1393.1	1399.9	1329.2	1241.7	1049.9	*942.2*	777.3	474.5	222.1	107.7	70.7
15°	1729.6	1722.9	1696.0	1625.3	1453.7	*1349.4*	1201.3	797.5	373.5	134.6	74.0
17.5°	1995.5	1968.5	1958.4	1928.2	1817.1	*1759.9*	1598.4	1174.4	592.2	181.7	77.4
20°	2261.3	2254.6	2244.5	2210.8	2136.8	*2096.4*	1971.9	1554.6	881.6	259.1	84.1
22.5°	2648.3	2611.3	2618.0	2544.0	2483.4	*2412.7*	2311.8	1958.4	1214.8	370.2	94.2
25°	3102.6	3099.2	3045.4	3011.7	2910.8	*2833.4*	2698.8	2348.8	1584.9	535.0	104.3
27.5°	3637.6	3600.6	3577.0	3519.8	3415.5	*3328.0*	3142.9	2735.8	1985.4	720.1	117.8
30°	4196.2	4196.2	4152.4	4065.0	3964.0	*3856.3*	3667.9	3142.9	2382.4	955.7	134.6
32.5°	4849.0	4862.5	4754.8	4623.6	4492.3	*4418.3*	4172.6	3603.9	2762.7	1224.9	154.8
35°	5481.6	5464.8	5286.5	5141.8	5044.2	*4963.4*	4754.8	4108.7	3193.4	1537.8	181.7
37.5°	6087.3	6043.6	5747.5	5542.2	5498.5	*5444.6*	5236.0	4613.5	3620.8	1884.4	215.4
40°	6521.4	6454.1	6147.9	5865.2	5801.3	*5771.0*	5609.5	5071.1	4071.7	2271.4	259.1
42.5°	6709.9	6632.5	6420.5	6191.7	6050.3	*5979.7*	5838.3	5444.6	4522.6	2702.1	323.0
45°	6746.9	6686.3	6534.9	6481.0	6289.2	*6181.6*	5989.8	5710.5	4943.2	3129.5	410.5
47.5°	6612.3	6585.4	6494.5	6608.9	6511.3	*6363.3*	6131.1	5909.0	5316.7	3647.7	531.7
50°	6282.5	6262.3	6306.1	6605.6	6672.9	*6504.6*	6285.9	6063.8	5639.8	4182.7	703.3
52.5°	5838.3	5835.0	6040.2	6518.1	6743.5	*6639.2*	6437.3	6218.6	5895.5	4700.9	945.6
55°	5353.8	5411.0	5771.0	6437.3	6783.9	*6736.8*	6585.4	6356.5	6124.4	5182.1	1335.9
57.5°	5313.4	5289.8	5636.4	6403.7	6807.5	*6834.4*	6733.4	6501.2	6319.5	5575.9	1857.5
60°	5717.2	5663.3	5794.6	6474.3	6911.8	*6958.9*	6881.5	6612.3	6514.7	5885.4	2544.0
62.5°	6184.9	6134.5	6201.8	6746.9	7117.0	*7184.3*	7086.8	6726.7	6672.9	6100.8	3280.9
65°	6558.4	6518.1	6645.9	7154.1	7403.1	*7460.3*	7393.0	6938.7	6743.5	6275.8	3879.9
67.5°	6619.0	6568.5	6834.4	7426.6	7692.5	*7732.8*	7679.0	7144.0	6720.0	6289.2	4017.8
70°	*6447.4*	*6403.7*	*6783.9*	*7514.1*	*7817.0*	*7850.6*	*7679.0*	*7046.4*	*6400.3*	*5946.0*	*3284.3*
72.5°	5919.1	5952.7	6444.0	7302.1	7645.3	*7490.6*	7127.1	6555.1	5986.4	5040.8	2305.0
75°	5098.0	5135.0	5787.9	6720.0	6746.9	*6558.4*	6363.3	6030.1	5357.1	3321.3	1598.4
77.5°	3624.1	3492.9	4468.8	5548.9	5451.3	*5572.5*	5589.3	5017.3	4485.6	1729.6	1070.1
80°	356.7	302.9	562.0	1591.7	3516.5	*3930.4*	4091.9	3866.4	3307.8	774.0	562.0
82.5°	77.4	77.4	84.1	90.9	141.3	*212.0*	972.5	2382.4	2136.8	393.7	181.7
85°	43.7	43.7	53.8	63.9	84.1	*94.2*	111.0	148.1	575.4	141.3	33.7
87.5°	33.7	37.0	43.7	53.8	70.7	*77.4*	94.2	117.8	144.7	131.2	10.1
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-SA4A-835-U-T4BC

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3
2.5°	70.7	67.3	63.9	60.6	57.2	57.2	53.8	53.8	53.8	53.8	53.8
5°	67.3	63.9	60.6	53.8	50.5	47.1	43.7	43.7	43.7	43.7	43.7
7.5°	67.3	63.9	57.2	50.5	43.7	40.4	37.0	33.7	33.7	37.0	37.0
10°	67.3	60.6	50.5	43.7	37.0	33.7	30.3	26.9	26.9	26.9	26.9
12.5°	63.9	57.2	47.1	40.4	33.7	26.9	20.2	16.8	16.8	16.8	16.8
15°	60.6	53.8	43.7	33.7	23.6	16.8	13.5	10.1	10.1	10.1	10.1
17.5°	60.6	50.5	40.4	30.3	16.8	10.1	6.7	3.4	3.4	3.4	6.7
20°	60.6	50.5	37.0	23.6	10.1	6.7	6.7	3.4	0.0	3.4	3.4
22.5°	60.6	47.1	30.3	16.8	10.1	6.7	3.4	0.0	0.0	0.0	0.0
25°	63.9	47.1	26.9	13.5	6.7	3.4	0.0	0.0	0.0	0.0	0.0
27.5°	63.9	43.7	23.6	10.1	3.4	0.0	0.0	0.0	0.0	0.0	0.0
30°	67.3	43.7	20.2	6.7	3.4	0.0	0.0	0.0	0.0	0.0	0.0
32.5°	67.3	40.4	13.5	6.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0
35°	67.3	37.0	10.1	3.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
37.5°	67.3	33.7	10.1	3.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
40°	70.7	30.3	6.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
42.5°	74.0	26.9	6.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
45°	77.4	23.6	3.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
47.5°	87.5	23.6	3.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
50°	101.0	23.6	3.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
52.5°	121.1	23.6	3.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
55°	158.2	20.2	3.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
57.5°	228.8	20.2	3.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
60°	383.6	20.2	3.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
62.5°	673.0	20.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
65°	1137.4	20.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
67.5°	1484.0	23.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
70°	*1127.3*	*20.2*	*0.0*	*0.0*	*0.0*	*0.0*	*0.0*	*0.0*	*0.0*	*0.0*	*0.0*
72.5°	538.4	13.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
75°	238.9	13.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	104.3	10.1	3.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	40.4	6.7	3.4	3.4	3.4	3.4	0.0	0.0	0.0	0.0	0.0
82.5°	16.8	6.7	3.4	3.4	3.4	3.4	3.4	0.0	0.0	0.0	0.0
85°	10.1	6.7	6.7	6.7	3.4	3.4	3.4	0.0	0.0	0.0	0.0
87.5°	6.7	6.7	6.7	6.7	6.7	3.4	3.4	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

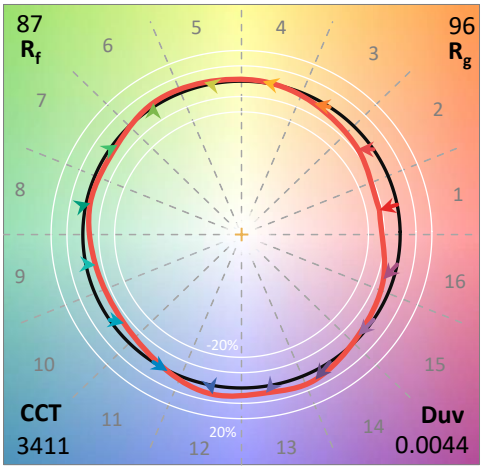
Test Information

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

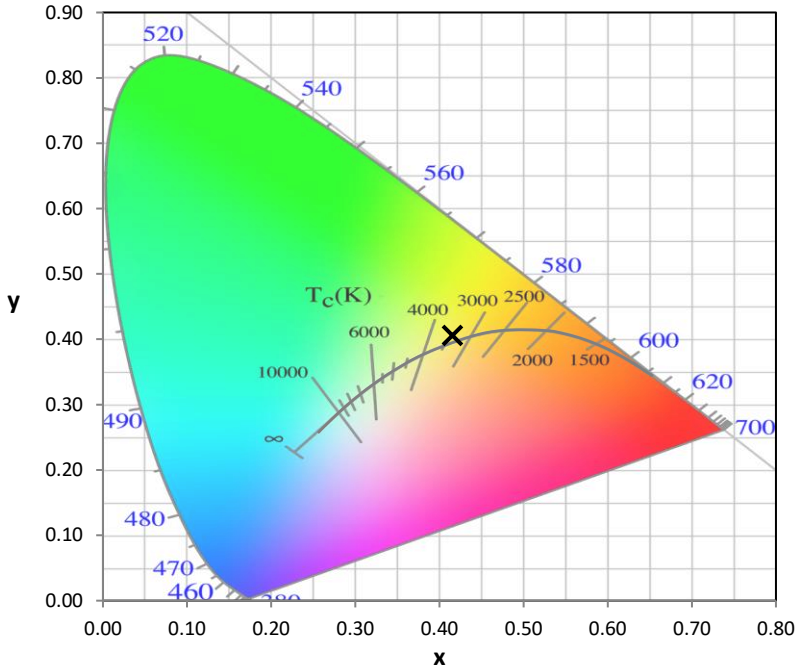
Stabilization Time:	35M
Operation Time:	1H 35M
Sphere Temperature (°C):	25.2

REPORT NUMBER: SP1-2407-184-10

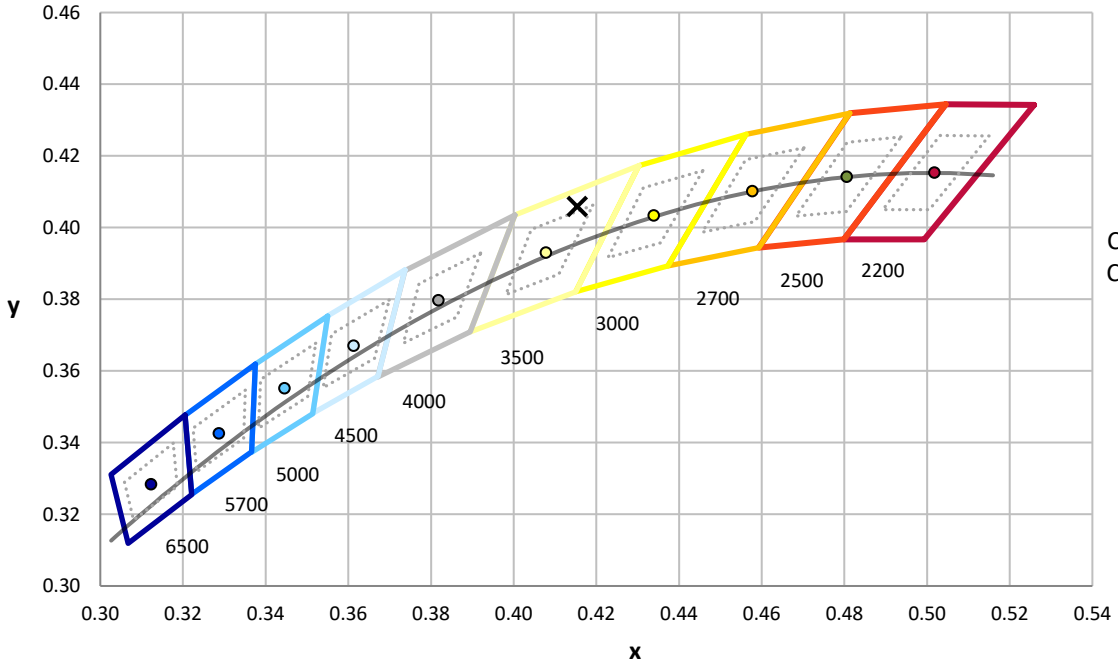
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

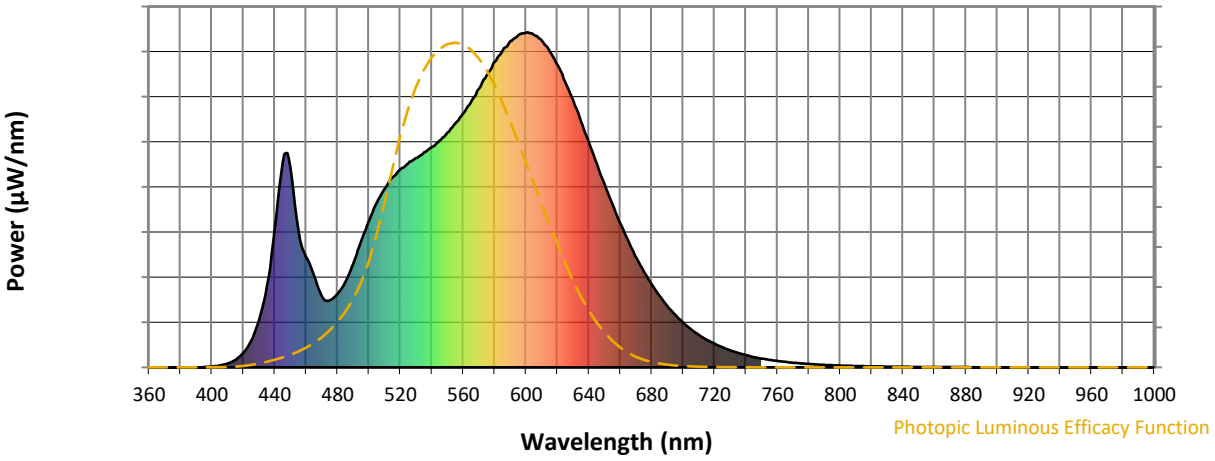


CCT = 3411K
CIE x = 0.4154
CIE y = 0.4059
Duv = 0.0044

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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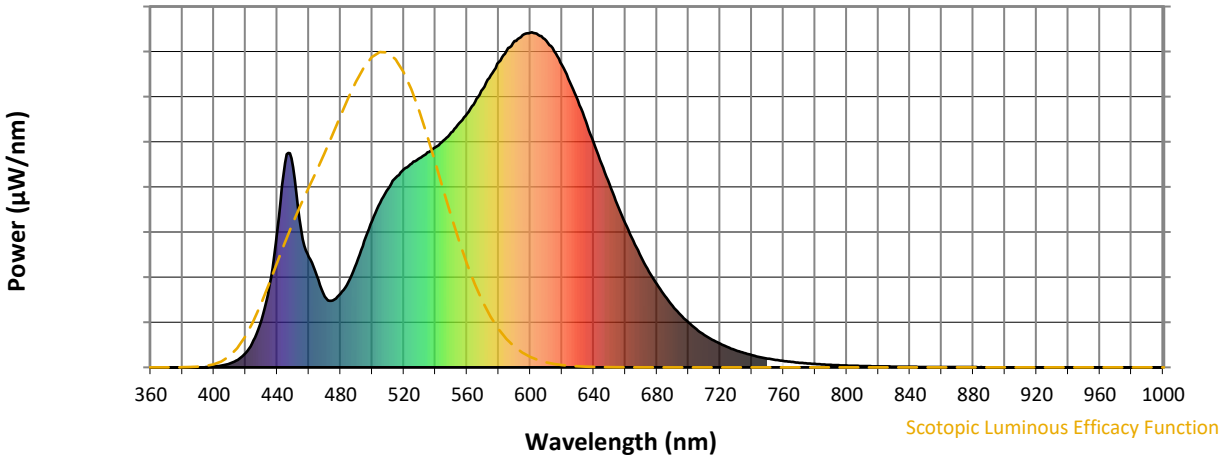
Scotopic Flux vs. Wavelength



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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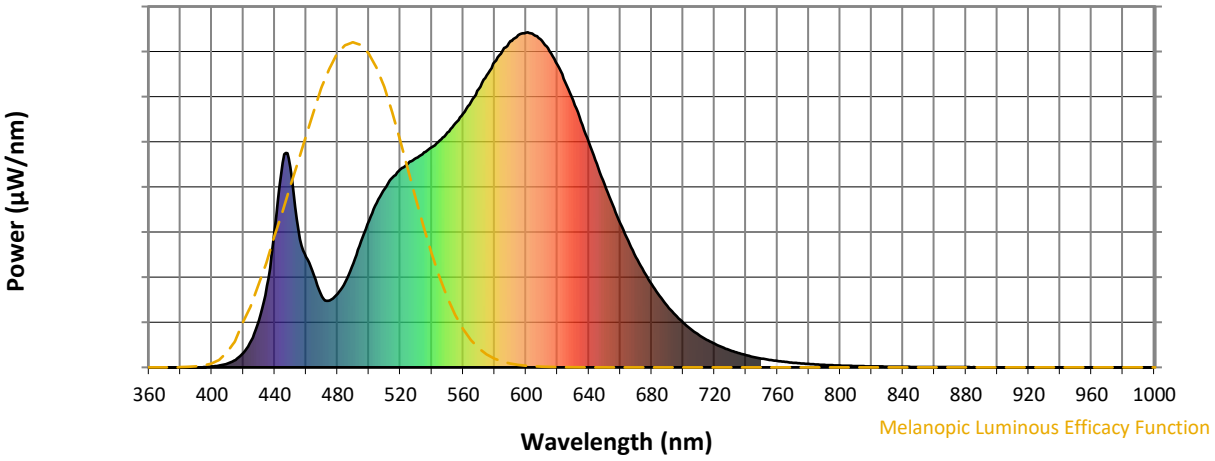
Melanopic Flux vs. Wavelength



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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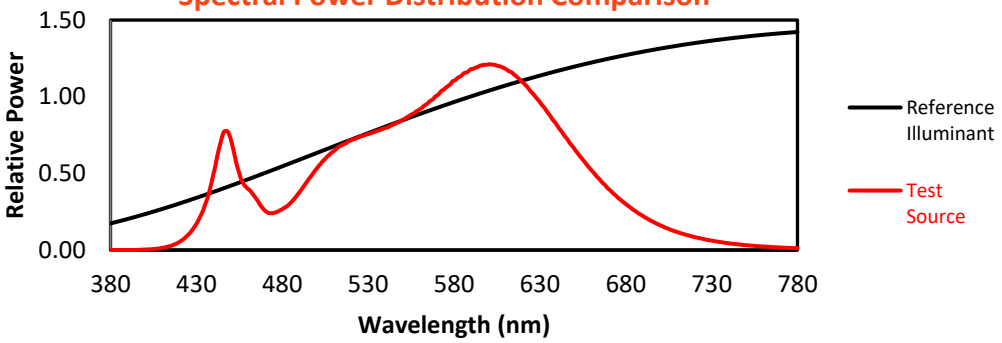
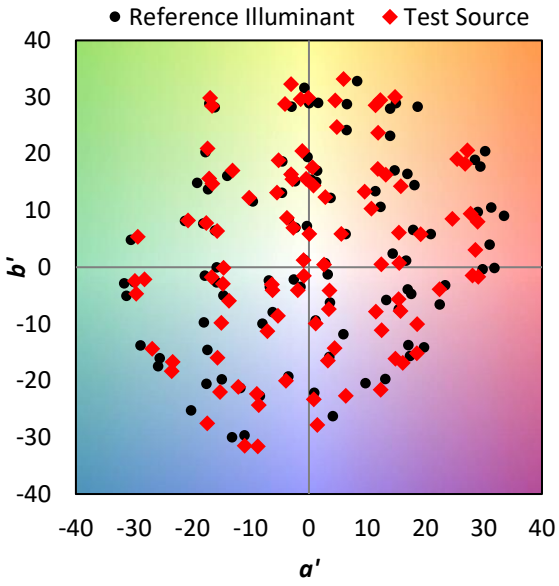
Summary

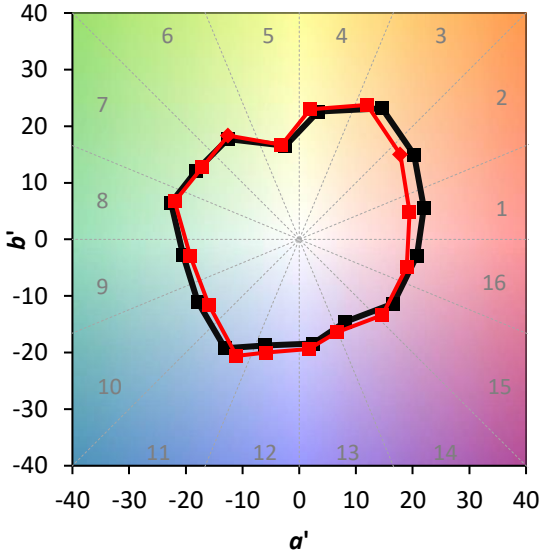
R_f = 86.6
R_g = 95.9
CIE R_a = 83.5
R_9 = 6.3

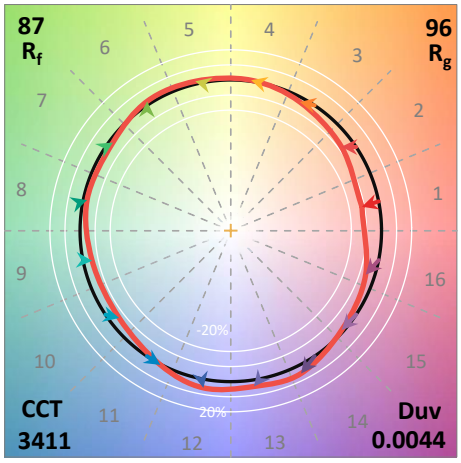
Spectral Power Distribution Comparison

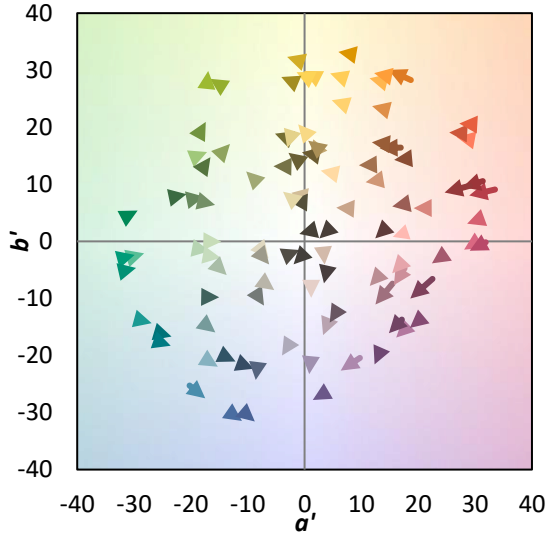


Color Vector Graphics









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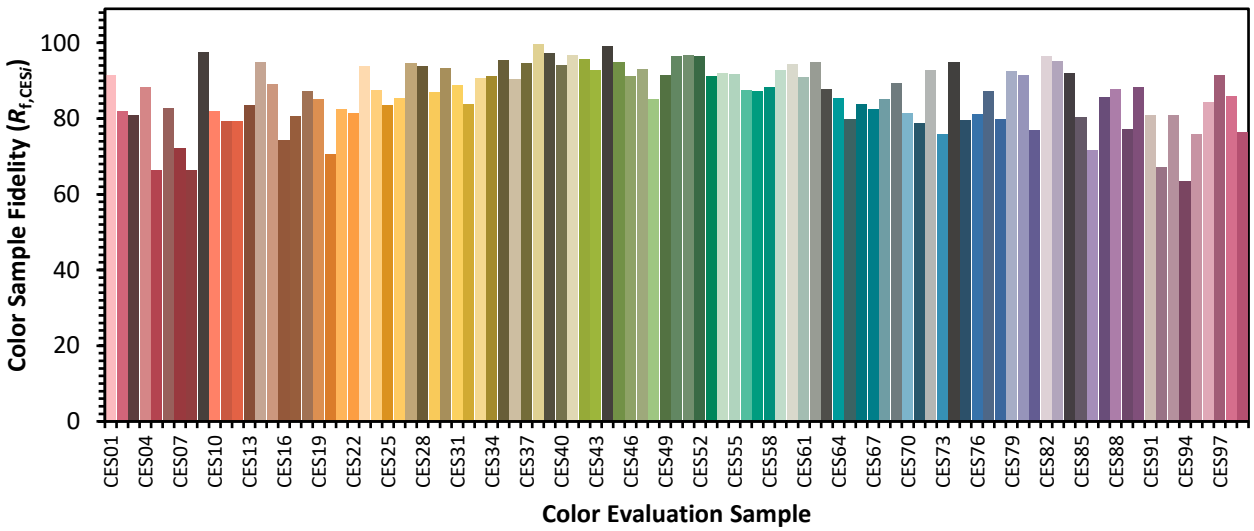
Individual Sample Fidelity Index ($R_{f,i}$)

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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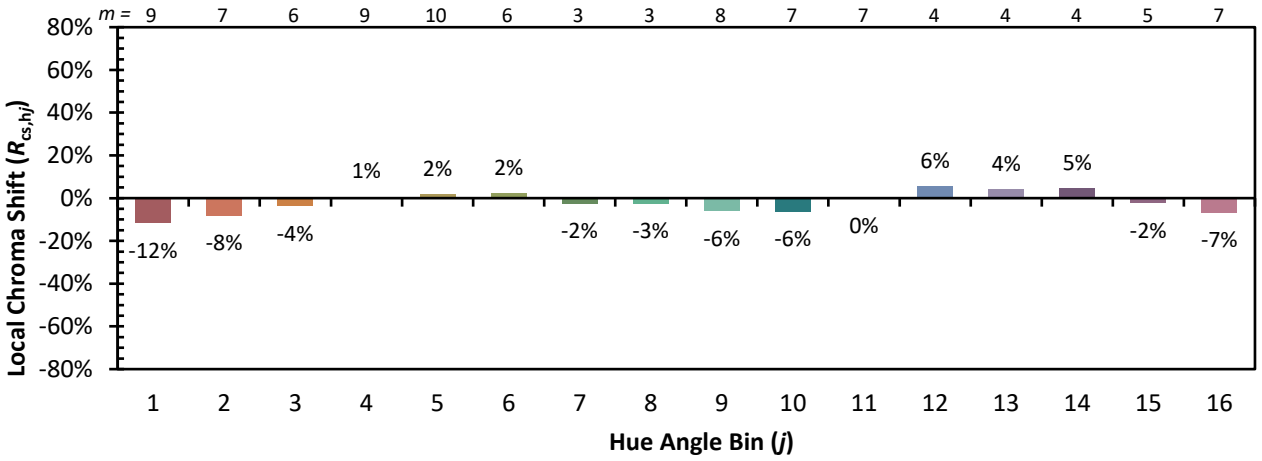
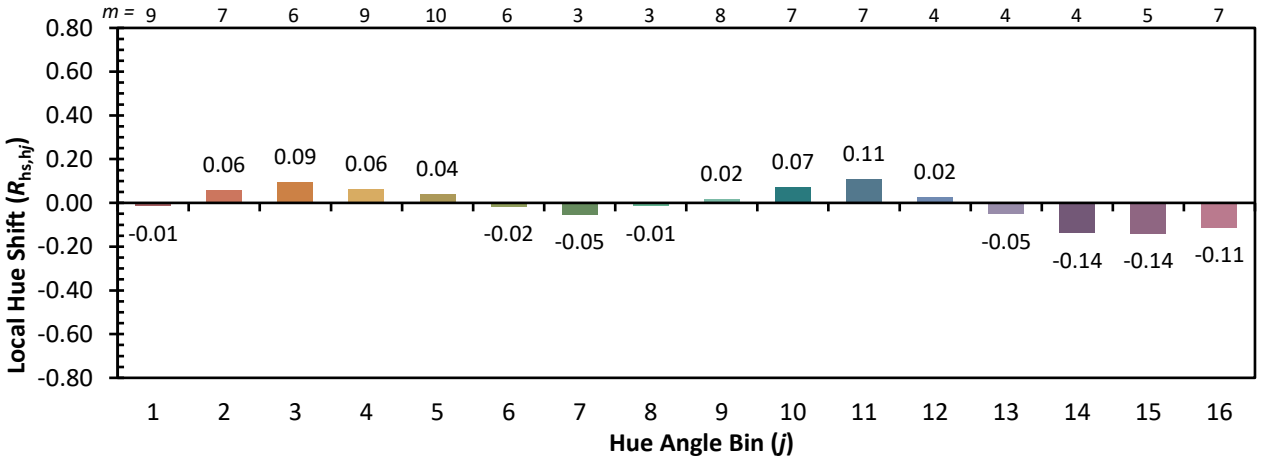
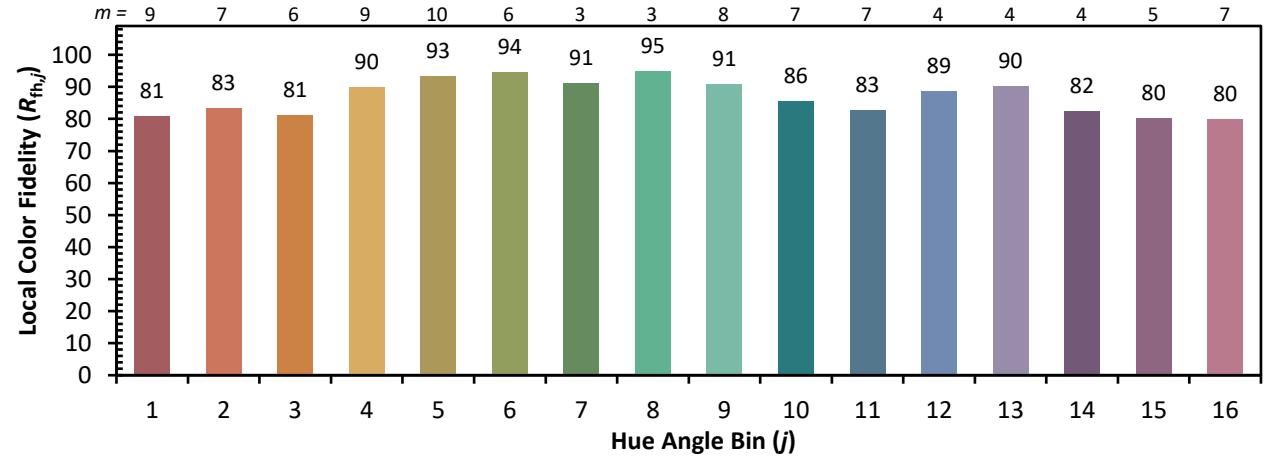
Color Rendition by Hue-Angle Bin







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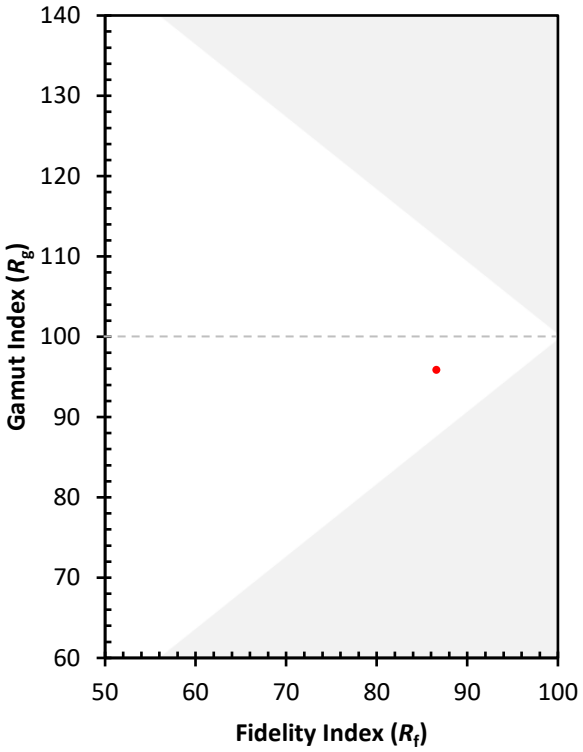
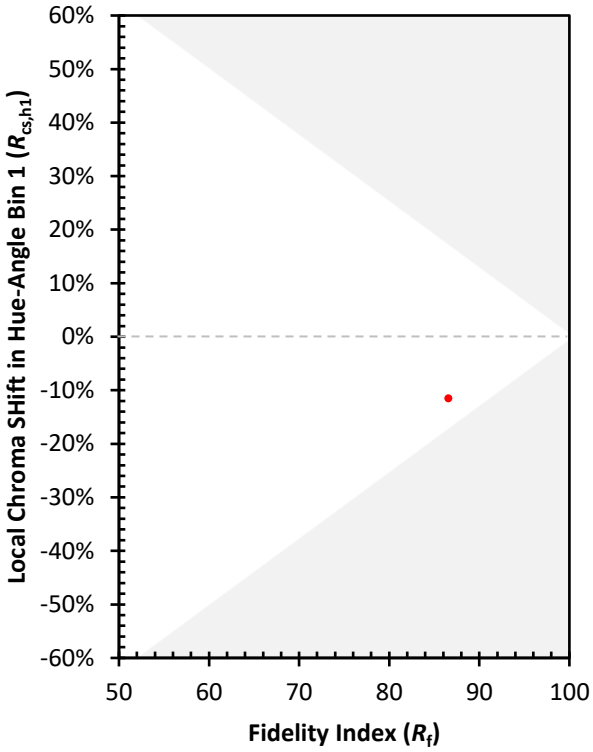
Measure Comparisons





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