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: P1067599

Luminaire Tested: **NAV-SA5C-830-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:	P1067599
Test Lab:	INNOVATION CENTER(G3)
Issue Date:	08/07/2025
Manufacturer:	COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line:	LUMARK
Catalog Number:	NAV-SA5C-830-U-T4BC
Description:	Navion AREA AND ROADWAY LUMINAIRE 1050mA 5xLight Square PACKAGE 80CRI 3000K FIXTURE w/ TYPE IV ANGLED BACKLIGHT CONTROL
Light Source:	(70) 3000K CCT, 80 CRI LEDS
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	21909.2 lumens
Efficiency:	N/A
Efficacy:	92.8 lumens/watt
Luminous Opening:	Rectangular (W 1' x L: 1.5' x H: 0')
IES Classification:	Type IV - Short
BUG Rating:	B0 - U0 - G4

Input Watts (W):	236
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: P1067599
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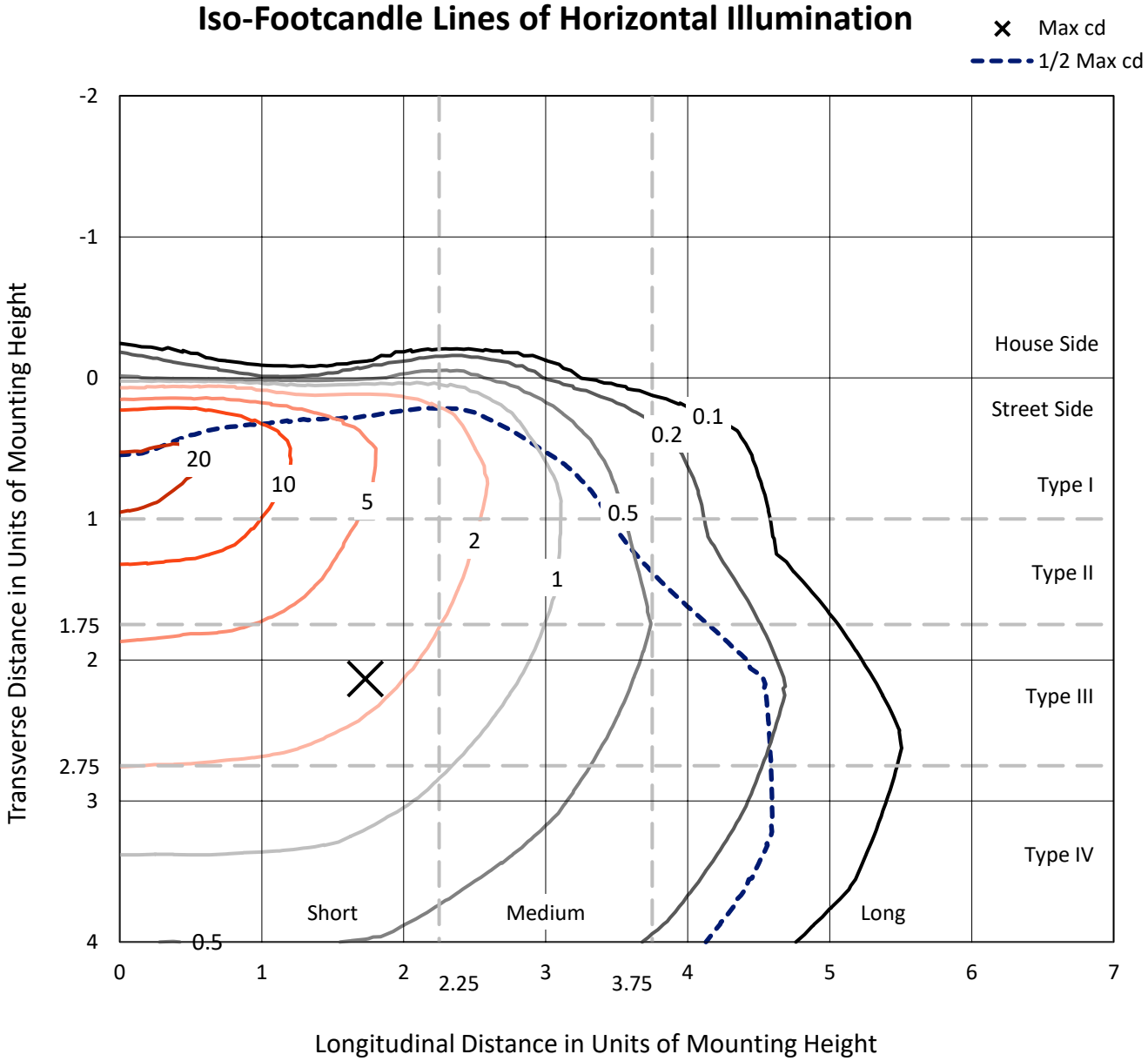
Iso-Footcandle Lines of Horizontal Illumination



Based on 15 foot mounting height. Maximum calculated value = 23.9 fc
Type IV - Short - N/A

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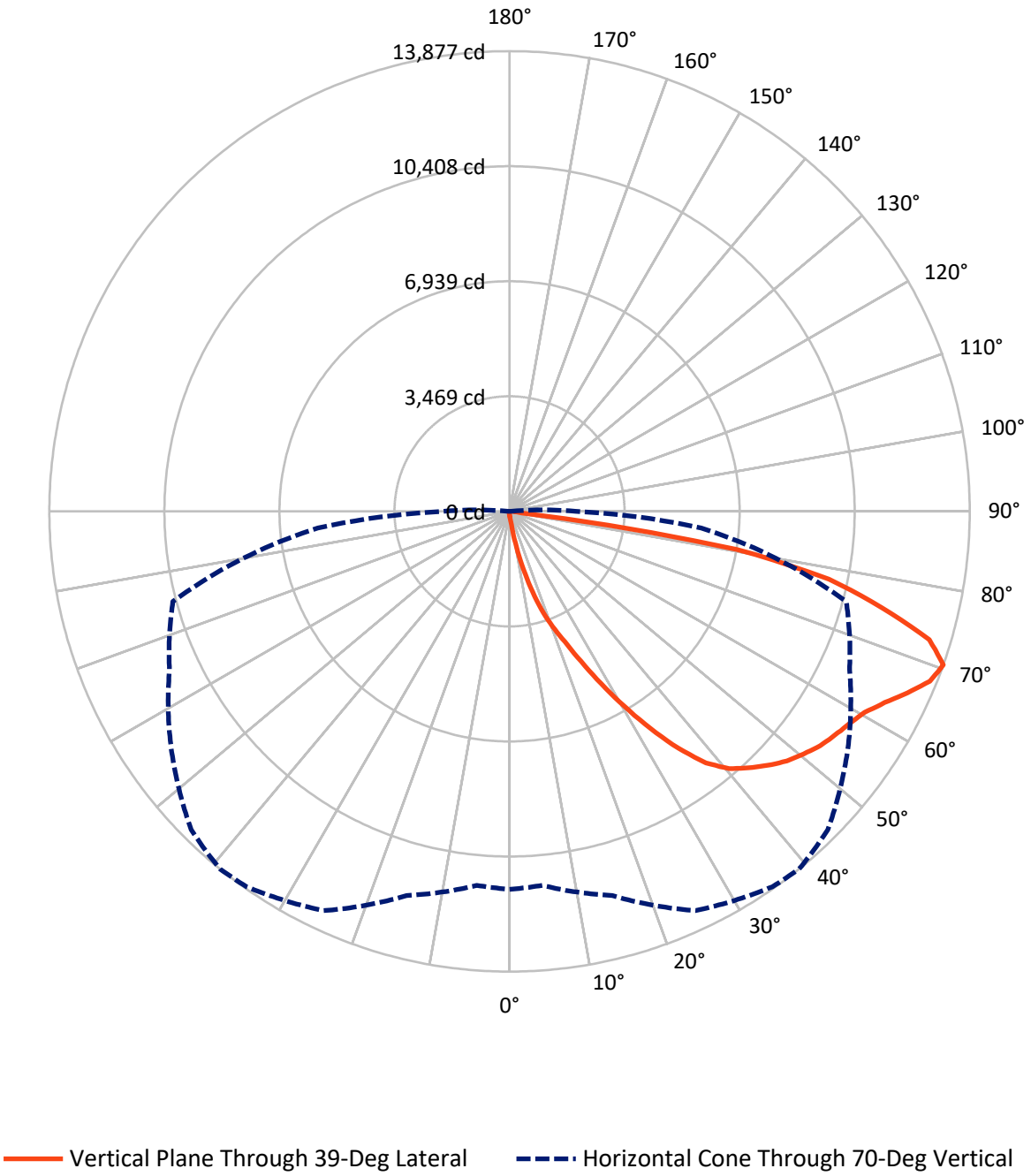
Luminous Intensity Polar Plot



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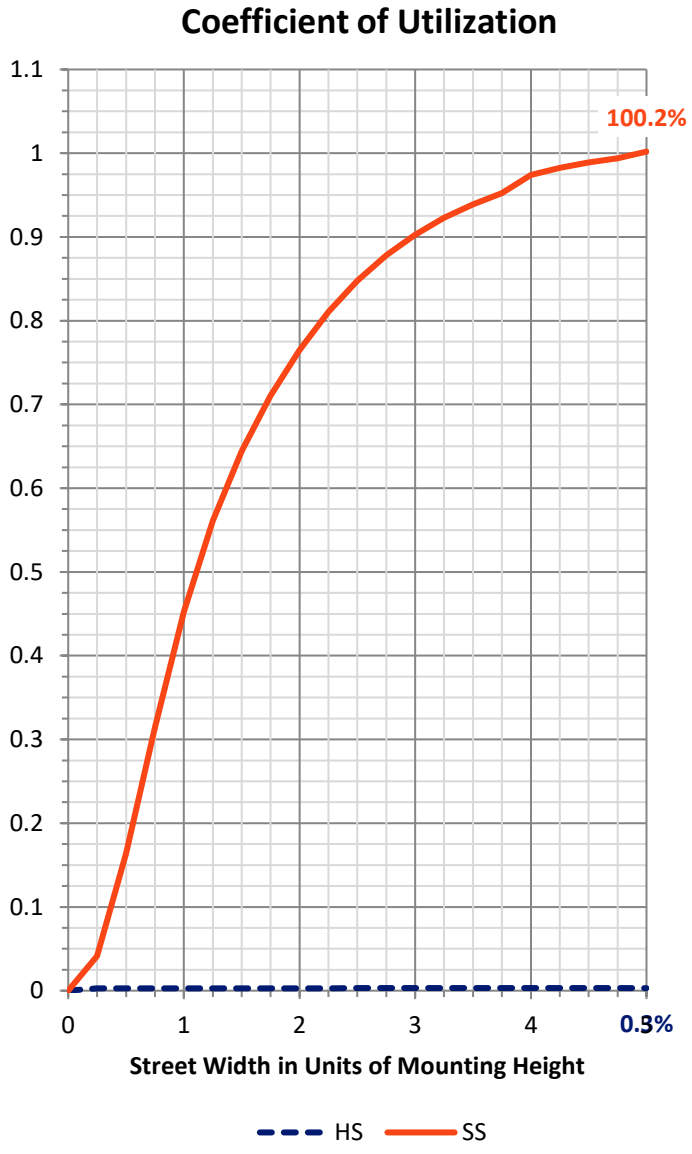
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	67.4	0.0	67.4
	% Fixture	0.3	0.0	0.3
Street Side	Lumens	21841.8	0.0	21841.8
	% Fixture	99.7	0.0	99.7
Total	Lumens	21909.2	0.0	21909.2
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	23.0	0.1
10°-20°	269.4	1.2
20°-30°	914.0	4.2
30°-40°	2148.1	9.8
40°-50°	3488.1	15.9
50°-60°	4420.1	20.2
60°-70°	5614.8	25.6
70°-80°	4562.0	20.8
80°-90°	469.7	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°	21909.2	100.0
0°-180°	21909.2	100.0



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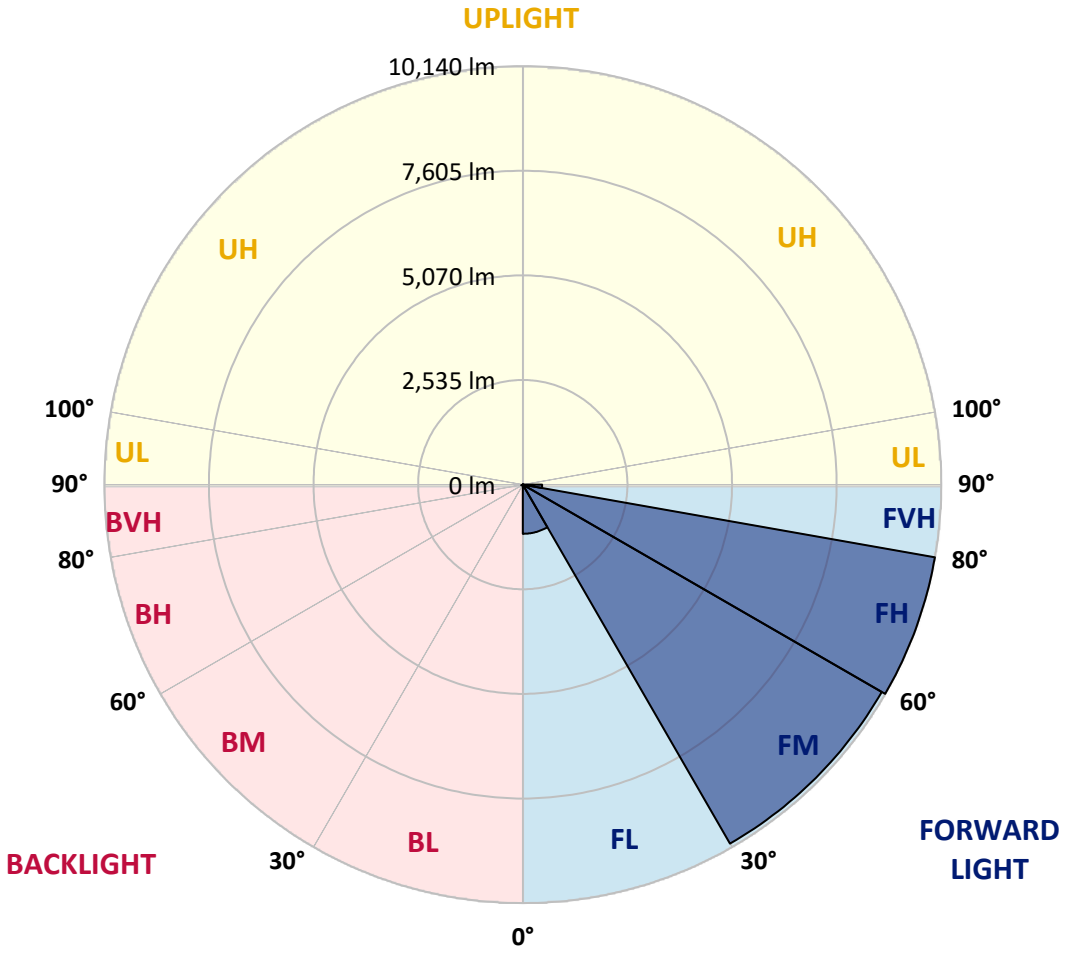
LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	1191.8	5.4			
FM	(30°-60°)	10043.4	45.8			
FH	(60°-80°)	10139.6	46.3			G4/12000
FVH	(80°-90°)	466.9	2.1			G3/500
BL	(0°-30°)	14.6	0.1	B0/110		
BM	(30°-60°)	13.0	0.1	B0/220		
BH	(60°-80°)	37.1	0.2	B0/110		G0/110
BVH	(80°-90°)	2.8	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 IV Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	39°	45°	55°	65°	75°	85°
0°	119.0	119.0	119.0	119.0	119.0	119.0	119.0	119.0	119.0	119.0	119.0
2.5°	154.7	154.7	154.7	148.7	148.7	142.8	142.8	136.8	130.9	130.9	124.9
5°	291.5	297.4	279.6	243.9	220.1	208.2	196.3	166.6	148.7	136.8	124.9
7.5°	797.1	773.3	737.6	618.6	475.9	404.5	345.0	243.9	178.4	142.8	124.9
10°	1677.4	1612.0	1510.9	1350.3	1070.7	957.7	743.5	446.1	249.8	160.6	124.9
12.5°	2462.6	2474.5	2349.6	2194.9	1855.9	1665.5	1374.1	838.7	392.6	190.3	124.9
15°	3057.4	3045.5	2997.9	2873.0	2569.7	2385.3	2123.5	1409.7	660.3	237.9	130.9
17.5°	3527.3	3479.8	3461.9	3408.4	3212.1	3111.0	2825.4	2076.0	1046.9	321.2	136.8
20°	3997.3	3985.4	3967.5	3908.0	3777.2	3705.8	3485.7	2748.1	1558.5	458.0	148.7
22.5°	4681.3	4615.9	4627.8	4496.9	4389.8	4264.9	4086.5	3461.9	2147.3	654.3	166.6
25°	5484.3	5478.4	5383.2	5323.7	5145.3	5008.5	4770.5	4151.9	2801.6	945.8	184.4
27.5°	6430.1	6364.7	6323.0	6221.9	6037.5	5882.9	5555.7	4836.0	3509.5	1272.9	208.2
30°	7417.5	7417.5	7340.2	7185.5	7007.1	6816.7	6483.6	5555.7	4211.4	1689.3	237.9
32.5°	8571.5	8595.3	8404.9	8173.0	7941.0	7810.1	7375.9	6370.6	4883.6	2165.2	273.6
35°	9689.8	9660.0	9344.8	9089.0	8916.5	8773.7	8404.9	7262.9	5644.9	2718.4	321.2
37.5°	10760.5	10683.1	10159.7	9796.8	9719.5	9624.3	9255.5	8155.1	6400.4	3331.0	380.7
40°	11527.8	11408.8	10867.5	10367.9	10254.9	10201.3	9915.8	8964.1	7197.4	4015.1	458.0
42.5°	11860.9	11724.1	11349.3	10944.9	10695.0	10570.1	10320.3	9624.3	7994.5	4776.5	571.0
45°	11926.3	11819.3	11551.6	11456.4	11117.4	10927.0	10588.0	10094.3	8738.0	5531.9	725.7
47.5°	11688.4	11640.8	11480.2	11682.5	11510.0	11248.2	10837.8	10445.2	9398.3	6448.0	939.8
50°	11105.5	11069.8	11147.1	11676.5	11795.5	11498.1	11111.4	10718.8	9969.3	7393.7	1243.2
52.5°	10320.3	10314.3	10677.2	11521.9	11920.4	11736.0	11379.1	10992.5	10421.4	8309.8	1671.5
55°	9463.7	9564.9	10201.3	11379.1	11991.8	11908.5	11640.8	11236.3	10825.9	9160.4	2361.5
57.5°	9392.4	9350.7	9963.4	11319.6	12033.4	12081.0	11902.5	11492.1	11170.9	9856.3	3283.5
60°	10106.2	10011.0	10243.0	11444.5	12217.8	12301.1	12164.3	11688.4	11515.9	10403.6	4496.9
62.5°	10933.0	10843.7	10962.7	11926.3	12580.6	12699.6	12527.1	11890.6	11795.5	10784.3	5799.6
65°	11593.2	11521.9	11747.9	12646.1	13086.3	13187.4	13068.4	12265.4	11920.4	11093.6	6858.4
67.5°	11700.3	11611.1	12081.0	13127.9	13597.8	13669.2	13574.0	12628.2	11878.7	11117.4	7102.3
70°	11396.9	11319.6	11991.8	13282.5	13817.9	13877.4	13574.0	12455.7	11313.7	10510.6	5805.5
72.5°	10463.1	10522.5	11391.0	12907.8	13514.5	13240.9	12598.5	11587.3	10582.0	8910.5	4074.6
75°	9011.7	9077.1	10231.1	11878.7	11926.3	11593.2	11248.2	10659.3	9469.7	5871.0	2825.4
77.5°	6406.3	6174.3	7899.3	9808.7	9636.2	9850.4	9880.1	8868.9	7929.1	3057.4	1891.6
80°	630.5	535.3	993.4	2813.5	6216.0	6947.6	7233.1	6834.6	5847.2	1368.1	993.4
82.5°	136.8	136.8	148.7	160.6	249.8	374.7	1719.1	4211.4	3777.2	696.0	321.2
85°	77.3	77.3	95.2	113.0	148.7	166.6	196.3	261.7	1017.2	249.8	59.5
87.5°	59.5	65.4	77.3	95.2	124.9	136.8	166.6	208.2	255.8	232.0	17.8
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-SA5C-830-U-T4BC

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	119.0	119.0	119.0	119.0	119.0	119.0	119.0	119.0	119.0	119.0	119.0
2.5°	124.9	119.0	113.0	107.1	101.1	101.1	95.2	95.2	95.2	95.2	95.2
5°	119.0	113.0	107.1	95.2	89.2	83.3	77.3	77.3	77.3	77.3	77.3
7.5°	119.0	113.0	101.1	89.2	77.3	71.4	65.4	59.5	59.5	65.4	65.4
10°	119.0	107.1	89.2	77.3	65.4	59.5	53.5	47.6	47.6	47.6	47.6
12.5°	113.0	101.1	83.3	71.4	59.5	47.6	35.7	29.7	29.7	29.7	29.7
15°	107.1	95.2	77.3	59.5	41.6	29.7	23.8	17.8	17.8	17.8	17.8
17.5°	107.1	89.2	71.4	53.5	29.7	17.8	11.9	5.9	5.9	5.9	11.9
20°	107.1	89.2	65.4	41.6	17.8	11.9	11.9	5.9	0.0	5.9	5.9
22.5°	107.1	83.3	53.5	29.7	17.8	11.9	5.9	0.0	0.0	0.0	0.0
25°	113.0	83.3	47.6	23.8	11.9	5.9	0.0	0.0	0.0	0.0	0.0
27.5°	113.0	77.3	41.6	17.8	5.9	0.0	0.0	0.0	0.0	0.0	0.0
30°	119.0	77.3	35.7	11.9	5.9	0.0	0.0	0.0	0.0	0.0	0.0
32.5°	119.0	71.4	23.8	11.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
35°	119.0	65.4	17.8	5.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
37.5°	119.0	59.5	17.8	5.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
40°	124.9	53.5	11.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
42.5°	130.9	47.6	11.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
45°	136.8	41.6	5.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
47.5°	154.7	41.6	5.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
50°	178.4	41.6	5.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
52.5°	214.1	41.6	5.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
55°	279.6	35.7	5.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
57.5°	404.5	35.7	5.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
60°	678.1	35.7	5.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
62.5°	1189.7	35.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
65°	2010.5	35.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
67.5°	2623.2	41.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
70°	*1992.7*	*35.7*	*0.0*	*0.0*	*0.0*	*0.0*	*0.0*	*0.0*	*0.0*	*0.0*	*0.0*
72.5°	951.7	23.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
75°	422.3	23.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	184.4	17.8	5.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	71.4	11.9	5.9	5.9	5.9	5.9	0.0	0.0	0.0	0.0	0.0
82.5°	29.7	11.9	5.9	5.9	5.9	5.9	5.9	0.0	0.0	0.0	0.0
85°	17.8	11.9	11.9	11.9	5.9	5.9	5.9	0.0	0.0	0.0	0.0
87.5°	11.9	11.9	11.9	11.9	11.9	5.9	5.9	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: SP1-2407-184-9

Test Date: 10/10/2024

Luminaire Tested: GSS-SB1A-830-U-5WQ

Data in this report applies to families of products including GSS-SB1A-830-U-5WQ

Report Generated By FNC07603 / LDUCLS01DT446
Version: v7.04

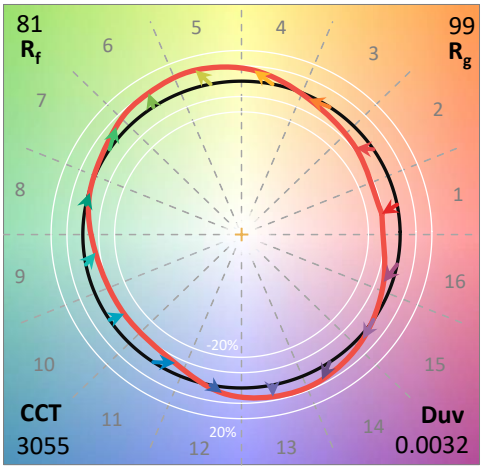
Test Information

Test Method:	LM-79-2019
Report Number:	SP1-2407-184-9
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-830-U-5WQ**
Description:	GALLEON II SITE SLIM 1SQ 350MA 5WQ HIGH DENSITY LIGHTSQUARE WITH 80 CRI 3000K CCT 26 LEDS

Spectral Parameters

CCT (K):	3055
CIE u':	0.2475
CIE v':	0.5247
Duv:	0.0032
CIE x:	0.4377
CIE y:	0.4124
CIE z:	0.1499
Peak Wavelength (nm):	604
Dominant Wavelength (nm):	581
Purity:	55.16339
Rf:	81.5
Rg:	99.2

CRI (Ra):	80.9
R1:	79.5
R2:	85.6
R3:	92.1
R4:	82.4
R5:	78.9
R6:	81.7
R7:	85.1
R8:	61.9
R9:	6.8
R10:	67.1
R11:	82.5
R12:	63.4
R13:	80.2
R14:	95.1
R15:	71.7



Test Conditions

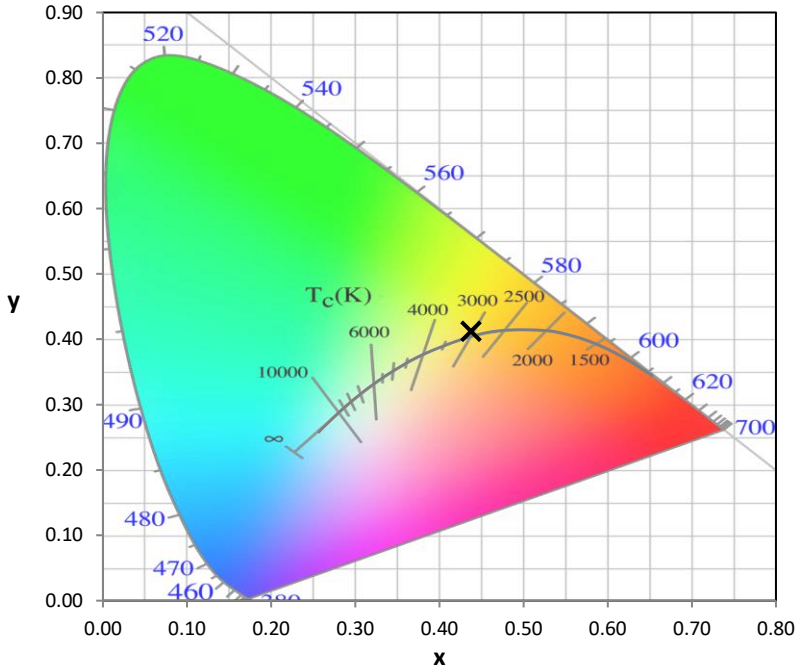
Stabilization Time:	20M
Operation Time:	1H 20M
Sphere Temperature (°C):	25.2

REPORT NUMBER: SP1-2407-184-9

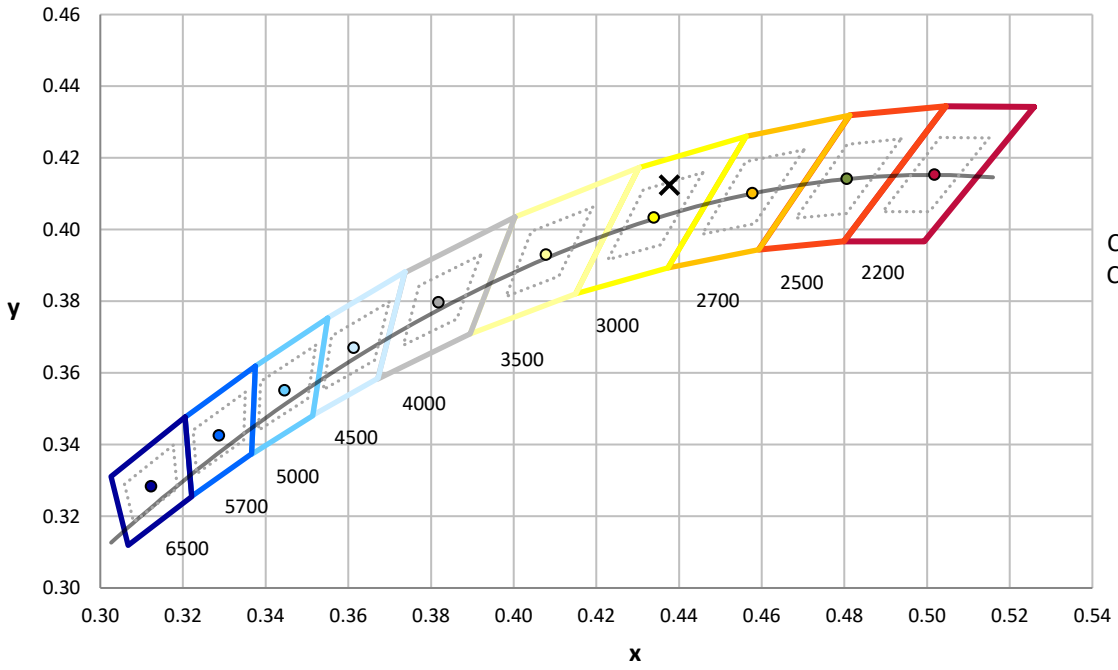
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

REPORT NUMBER: SP1-2407-184-9

CIE 1931 Chromaticity Diagram



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

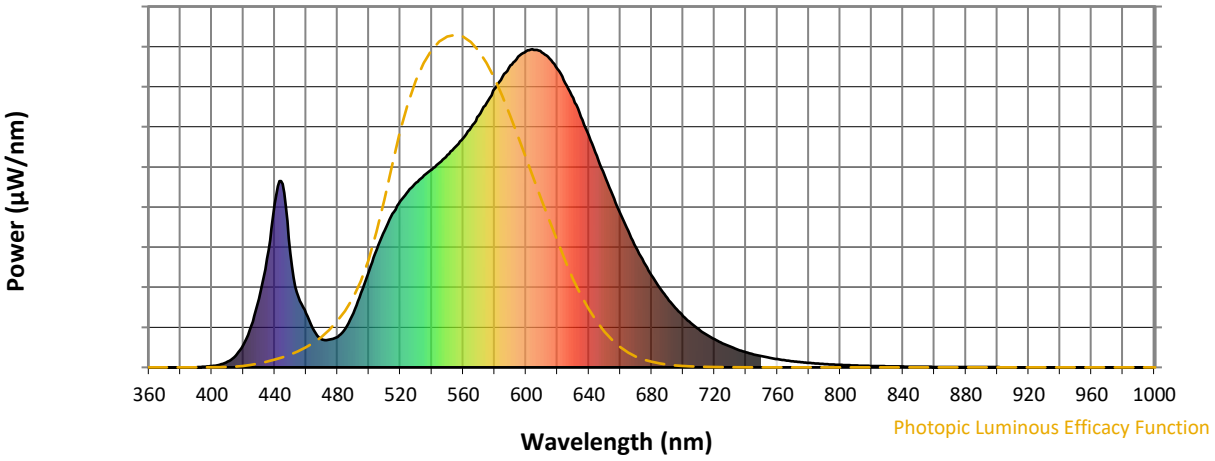


CCT = 3055K
CIE x = 0.4377
CIE y = 0.4124
Duv = 0.0032

Point lies inside the ANSI 3000K 4-step quadrangle

REPORT NUMBER: SP1-2407-184-9

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	170	NR	620	938	NR	750	35	NR	880	1	NR
365	0	NR	495	234	NR	625	894	NR	755	30	NR	885	1	NR
370	0	NR	500	302	NR	630	847	NR	760	26	NR	890	1	NR
375	0	NR	505	371	NR	635	788	NR	765	22	NR	895	1	NR
380	0	NR	510	431	NR	640	728	NR	770	19	NR	900	1	NR
385	0	NR	515	482	NR	645	665	NR	775	16	NR	905	1	NR
390	0	NR	520	523	NR	650	603	NR	780	14	NR	910	0	NR
395	2	NR	525	553	NR	655	542	NR	785	12	NR	915	0	NR
400	4	NR	530	580	NR	660	484	NR	790	11	NR	920	0	NR
405	8	NR	535	603	NR	665	430	NR	795	9	NR	925	0	NR
410	18	NR	540	622	NR	670	377	NR	800	8	NR	930	0	NR
415	36	NR	545	644	NR	675	330	NR	805	7	NR	935	0	NR
420	71	NR	550	668	NR	680	289	NR	810	6	NR	940	0	NR
425	131	NR	555	693	NR	685	250	NR	815	5	NR	945	0	NR
430	215	NR	560	720	NR	690	218	NR	820	4	NR	950	0	NR
435	341	NR	565	754	NR	695	188	NR	825	4	NR	955	0	NR
440	514	NR	570	792	NR	700	161	NR	830	3	NR	960	0	NR
445	576	NR	575	832	NR	705	139	NR	835	3	NR	965	0	NR
450	358	NR	580	875	NR	710	119	NR	840	3	NR	970	0	NR
455	222	NR	585	913	NR	715	102	NR	845	2	NR	975	0	NR
460	170	NR	590	950	NR	720	88	NR	850	2	NR	980	0	NR
465	115	NR	595	977	NR	725	76	NR	855	2	NR	985	0	NR
470	88	NR	600	994	NR	730	65	NR	860	1	NR	990	0	NR
475	87	NR	605	997	NR	735	56	NR	865	1	NR	995	0	NR
480	96	NR	610	990	NR	740	47	NR	870	1	NR	1000	0	NR
485	122	NR	615	971	NR	745	41	NR	875	1	NR			

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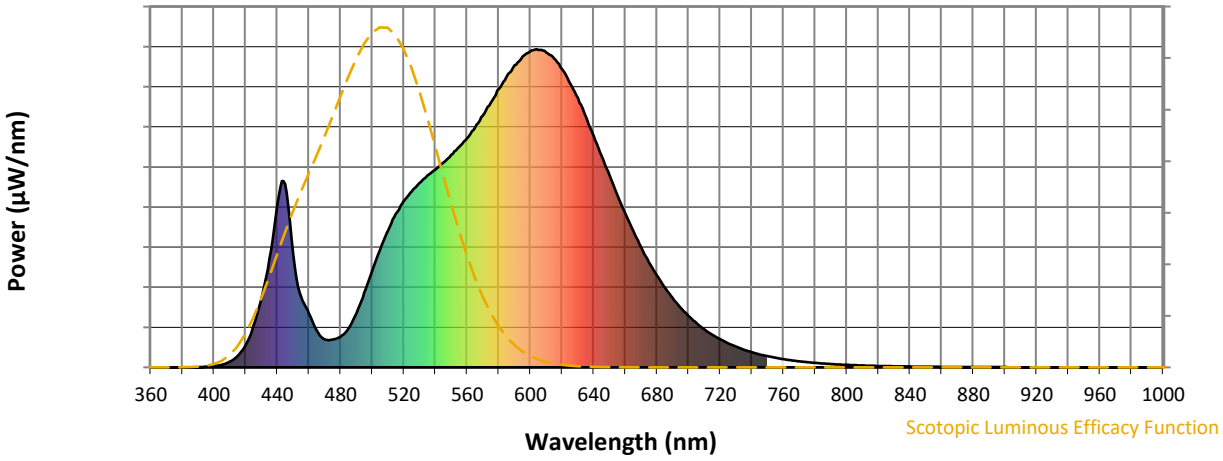
Scotopic Flux vs. Wavelength



Scotopic Lumens: NR **S/P: 1.28**

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	170	NR	620	938	NR	750	35	NR	880	1	NR
365	0	NR	495	234	NR	625	894	NR	755	30	NR	885	1	NR
370	0	NR	500	302	NR	630	847	NR	760	26	NR	890	1	NR
375	0	NR	505	371	NR	635	788	NR	765	22	NR	895	1	NR
380	0	NR	510	431	NR	640	728	NR	770	19	NR	900	1	NR
385	0	NR	515	482	NR	645	665	NR	775	16	NR	905	1	NR
390	0	NR	520	523	NR	650	603	NR	780	14	NR	910	0	NR
395	2	NR	525	553	NR	655	542	NR	785	12	NR	915	0	NR
400	4	NR	530	580	NR	660	484	NR	790	11	NR	920	0	NR
405	8	NR	535	603	NR	665	430	NR	795	9	NR	925	0	NR
410	18	NR	540	622	NR	670	377	NR	800	8	NR	930	0	NR
415	36	NR	545	644	NR	675	330	NR	805	7	NR	935	0	NR
420	71	NR	550	668	NR	680	289	NR	810	6	NR	940	0	NR
425	131	NR	555	693	NR	685	250	NR	815	5	NR	945	0	NR
430	215	NR	560	720	NR	690	218	NR	820	4	NR	950	0	NR
435	341	NR	565	754	NR	695	188	NR	825	4	NR	955	0	NR
440	514	NR	570	792	NR	700	161	NR	830	3	NR	960	0	NR
445	576	NR	575	832	NR	705	139	NR	835	3	NR	965	0	NR
450	358	NR	580	875	NR	710	119	NR	840	3	NR	970	0	NR
455	222	NR	585	913	NR	715	102	NR	845	2	NR	975	0	NR
460	170	NR	590	950	NR	720	88	NR	850	2	NR	980	0	NR
465	115	NR	595	977	NR	725	76	NR	855	2	NR	985	0	NR
470	88	NR	600	994	NR	730	65	NR	860	1	NR	990	0	NR
475	87	NR	605	997	NR	735	56	NR	865	1	NR	995	0	NR
480	96	NR	610	990	NR	740	47	NR	870	1	NR	1000	0	NR
485	122	NR	615	971	NR	745	41	NR	875	1	NR			

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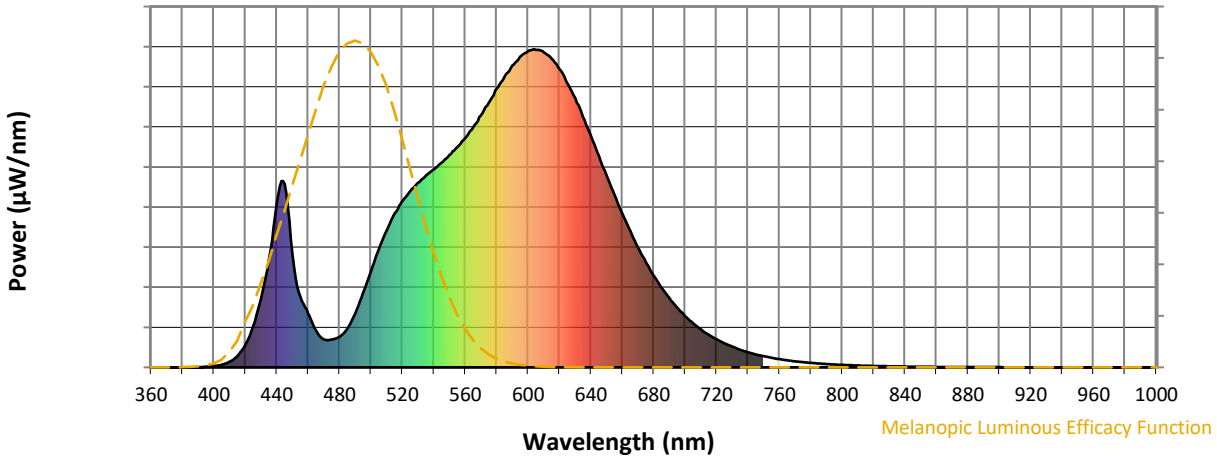
Melanopic Flux vs. Wavelength



Melanopic Lumens: NR **M/P: 2.33**

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	170	NR	620	938	NR	750	35	NR	880	1	NR
365	0	NR	495	234	NR	625	894	NR	755	30	NR	885	1	NR
370	0	NR	500	302	NR	630	847	NR	760	26	NR	890	1	NR
375	0	NR	505	371	NR	635	788	NR	765	22	NR	895	1	NR
380	0	NR	510	431	NR	640	728	NR	770	19	NR	900	1	NR
385	0	NR	515	482	NR	645	665	NR	775	16	NR	905	1	NR
390	0	NR	520	523	NR	650	603	NR	780	14	NR	910	0	NR
395	2	NR	525	553	NR	655	542	NR	785	12	NR	915	0	NR
400	4	NR	530	580	NR	660	484	NR	790	11	NR	920	0	NR
405	8	NR	535	603	NR	665	430	NR	795	9	NR	925	0	NR
410	18	NR	540	622	NR	670	377	NR	800	8	NR	930	0	NR
415	36	NR	545	644	NR	675	330	NR	805	7	NR	935	0	NR
420	71	NR	550	668	NR	680	289	NR	810	6	NR	940	0	NR
425	131	NR	555	693	NR	685	250	NR	815	5	NR	945	0	NR
430	215	NR	560	720	NR	690	218	NR	820	4	NR	950	0	NR
435	341	NR	565	754	NR	695	188	NR	825	4	NR	955	0	NR
440	514	NR	570	792	NR	700	161	NR	830	3	NR	960	0	NR
445	576	NR	575	832	NR	705	139	NR	835	3	NR	965	0	NR
450	358	NR	580	875	NR	710	119	NR	840	3	NR	970	0	NR
455	222	NR	585	913	NR	715	102	NR	845	2	NR	975	0	NR
460	170	NR	590	950	NR	720	88	NR	850	2	NR	980	0	NR
465	115	NR	595	977	NR	725	76	NR	855	2	NR	985	0	NR
470	88	NR	600	994	NR	730	65	NR	860	1	NR	990	0	NR
475	87	NR	605	997	NR	735	56	NR	865	1	NR	995	0	NR
480	96	NR	610	990	NR	740	47	NR	870	1	NR	1000	0	NR
485	122	NR	615	971	NR	745	41	NR	875	1	NR			

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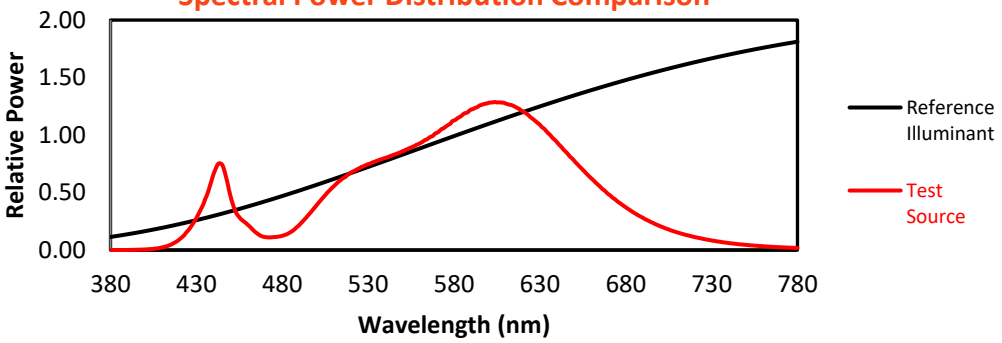
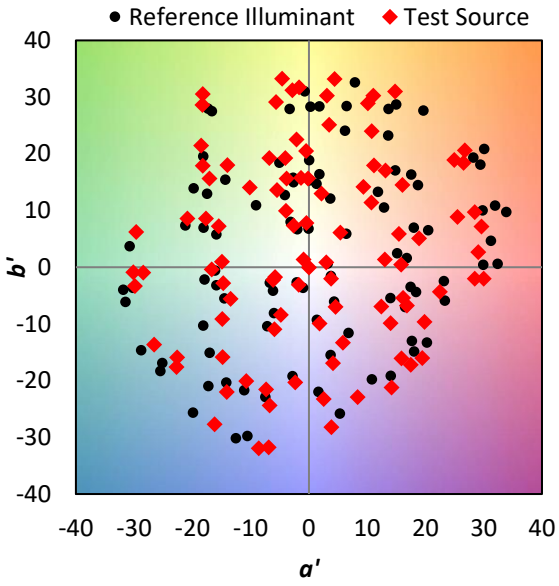
Summary

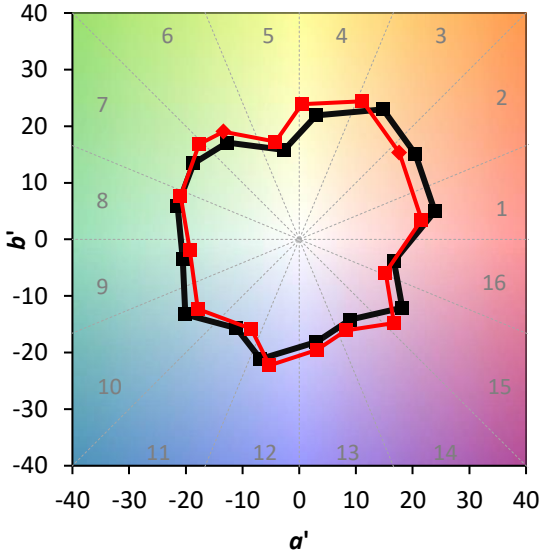
R_f = 81.5
R_g = 99.2
CIE R_a = 80.9
R_9 = 6.8

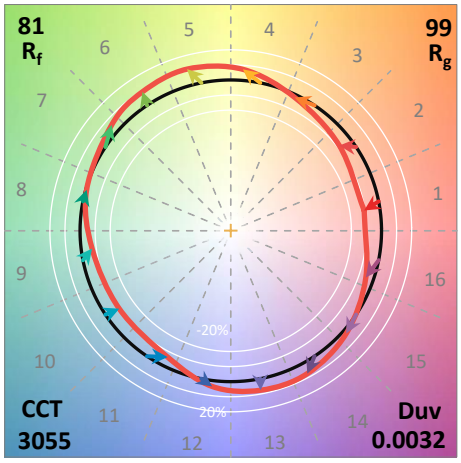
Spectral Power Distribution Comparison

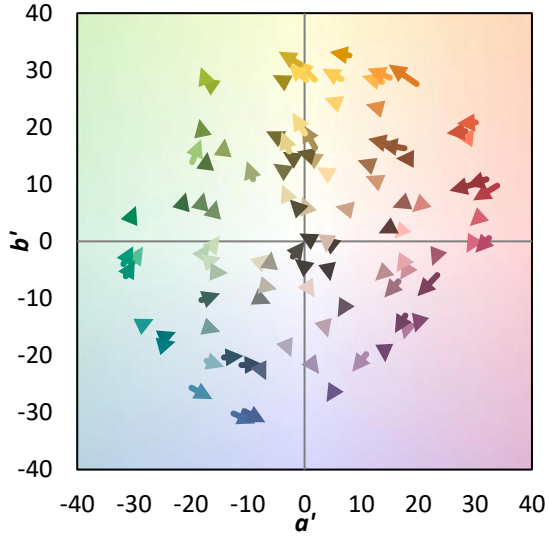


Color Vector Graphics









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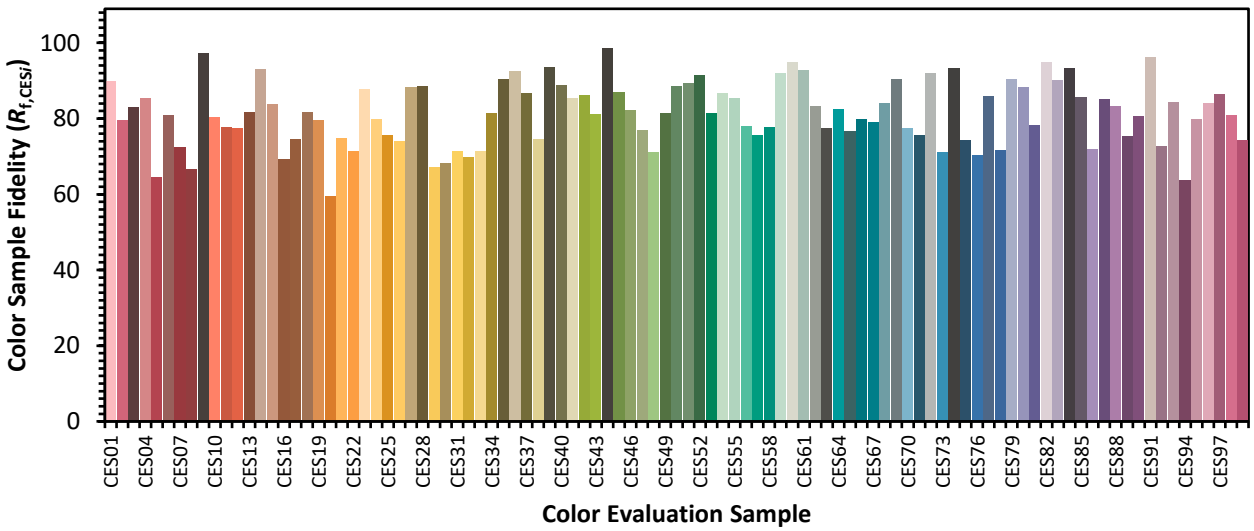
Individual Sample Fidelity Index ($R_{f,i}$)

CES01 = 86	CES26 = 74	CES51 = 89	CES76 = 70
CES02 = 63	CES27 = 88	CES52 = 91	CES77 = 86
CES03 = 31	CES28 = 89	CES53 = 81	CES78 = 72
CES04 = 70	CES29 = 67	CES54 = 87	CES79 = 90
CES05 = 50	CES30 = 68	CES55 = 85	CES80 = 88
CES06 = 51	CES31 = 71	CES56 = 78	CES81 = 78
CES07 = 42	CES32 = 70	CES57 = 76	CES82 = 95
CES08 = 41	CES33 = 71	CES58 = 78	CES83 = 90
CES09 = 29	CES34 = 82	CES59 = 92	CES84 = 93
CES10 = 76	CES35 = 90	CES60 = 95	CES85 = 86
CES11 = 59	CES36 = 93	CES61 = 93	CES86 = 72
CES12 = 65	CES37 = 87	CES62 = 83	CES87 = 85
CES13 = 43	CES38 = 75	CES63 = 77	CES88 = 83
CES14 = 74	CES39 = 94	CES64 = 83	CES89 = 75
CES15 = 71	CES40 = 89	CES65 = 77	CES90 = 81
CES16 = 47	CES41 = 85	CES66 = 80	CES91 = 96
CES17 = 50	CES42 = 86	CES67 = 79	CES92 = 73
CES18 = 56	CES43 = 81	CES68 = 84	CES93 = 84
CES19 = 72	CES44 = 99	CES69 = 90	CES94 = 64
CES20 = 66	CES45 = 87	CES70 = 77	CES95 = 80
CES21 = 87	CES46 = 82	CES71 = 76	CES96 = 84
CES22 = 79	CES47 = 77	CES72 = 92	CES97 = 87
CES23 = 92	CES48 = 71	CES73 = 71	CES98 = 81
CES24 = 91	CES49 = 81	CES74 = 93	CES99 = 74
CES25 = 72	CES50 = 89	CES75 = 74	



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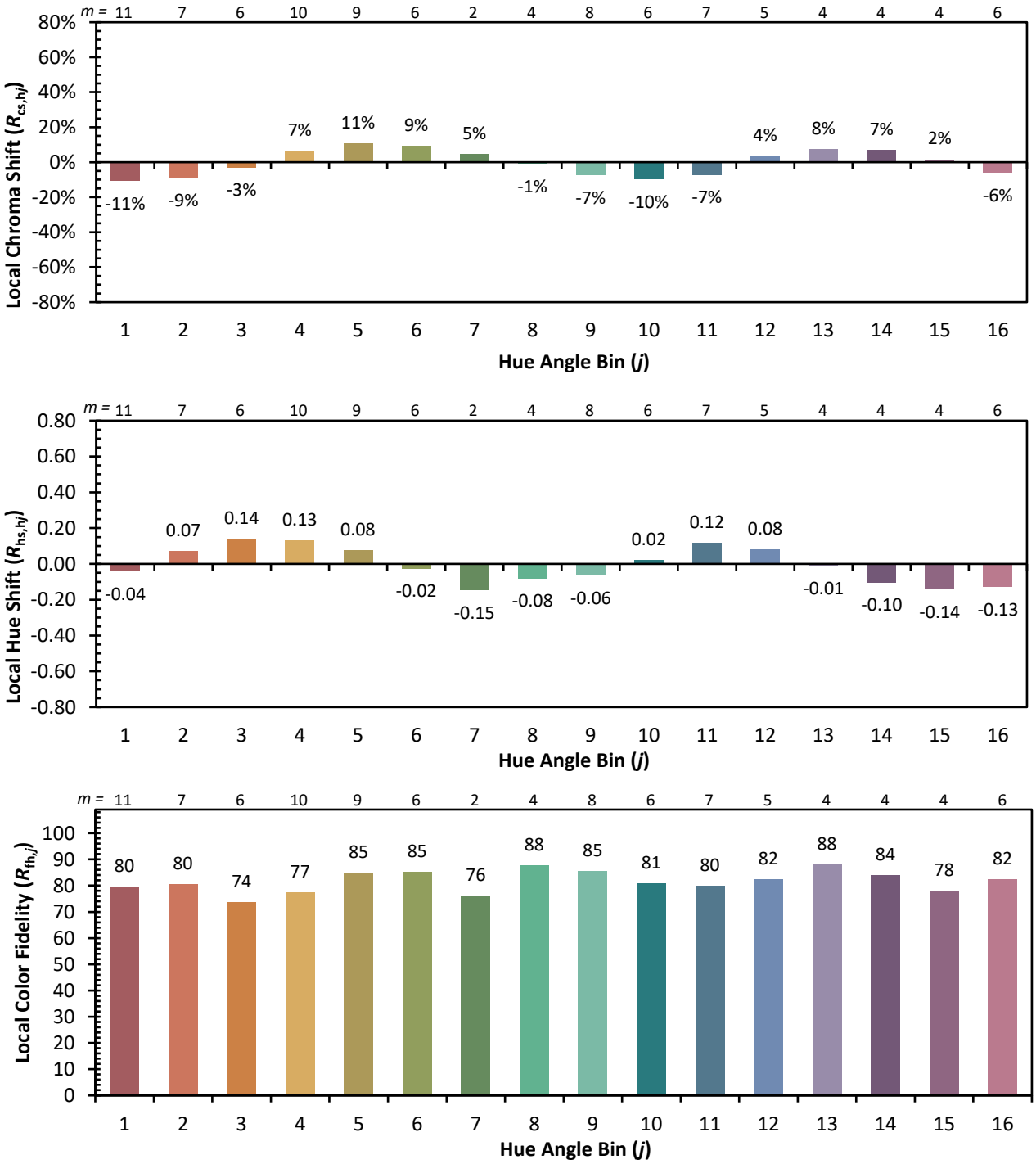
Color Rendition by Hue-Angle Bin



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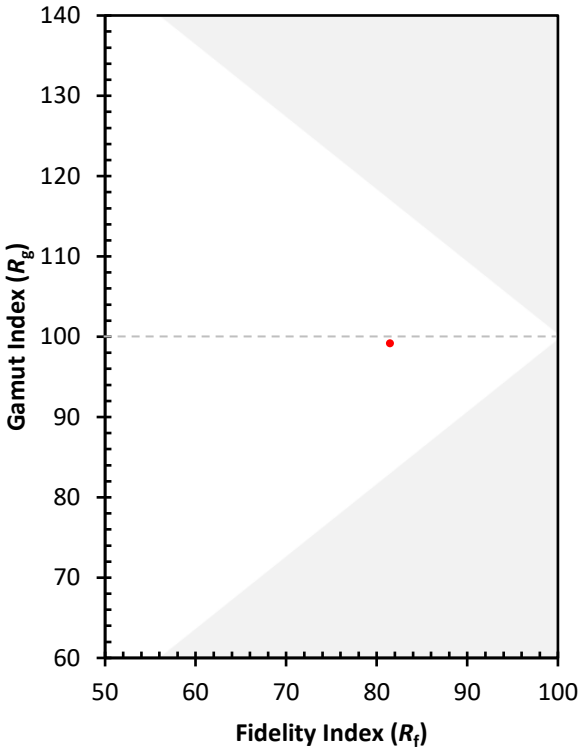
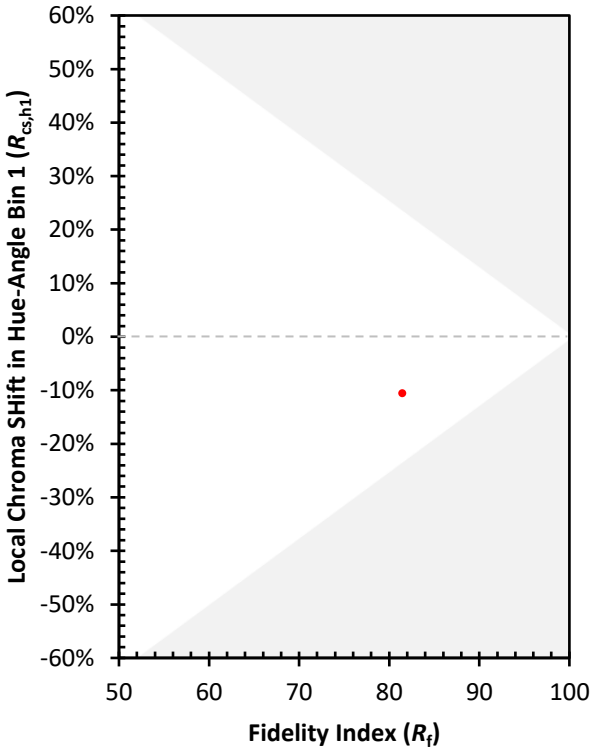
Measure Comparisons





(END OF REPORT)