Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

Scaled data based on original data using

LM-79-2019 Approved Method: Electrical and Photometric Measurements of Solid-State Lighting Products

Test Report Prepared for

Cooper Lighting Solutions

Brand: McGRAW-EDISON

Report Number: P630054

Luminaire Tested: GWS-SA1C-830-U-SL2-W-GRSBK

Issue Date: 1/10/2023

Report Generated By 670246102 / DESKTOP-G35701P

Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

Scaled Data Report

Test Information

Test Method:	LM-79-2019
Report Number:	P630054
	TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-28)
Test Lab:	COOPER LIGHTING SOLUTIONS
Issue Date:	1/10/2023
Manufacturer:	COOPER LIGHTING SOLUTIONS
Product Line:	McGRAW-EDISON
Catalog Number:	GWS-SA1C-830-U-SL2-W-GRSBK
Description:	GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II SPILL LIGHT ELIMINATOR OPTICS W/ FACTORY INSTALLED GLARE SHIELD, BK
Light Source:	(16) 3000K CCT, 80 CRI LEDS
Ballast/Driver:	-

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	2242.1 lumens
Efficiency:	N/A
Efficacy:	65.8 lumens/watt
Luminous Opening:	Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification:	Type II - Short
BUG Rating:	B1 - U0 - G0

Input Watts (W):	34.1
Input Voltage (V):	120
Input Current (Ain):	NR
Voltage Rise (V):	NR
Power Factor:	NR
Total Harmonic Distortion (THDi):	NR
Frequency (hertz):	0
Stabilization Time:	NR
Operation Time:	NR
Ambient Temperature (°C):	NR
Test Distance:	28.75 FT

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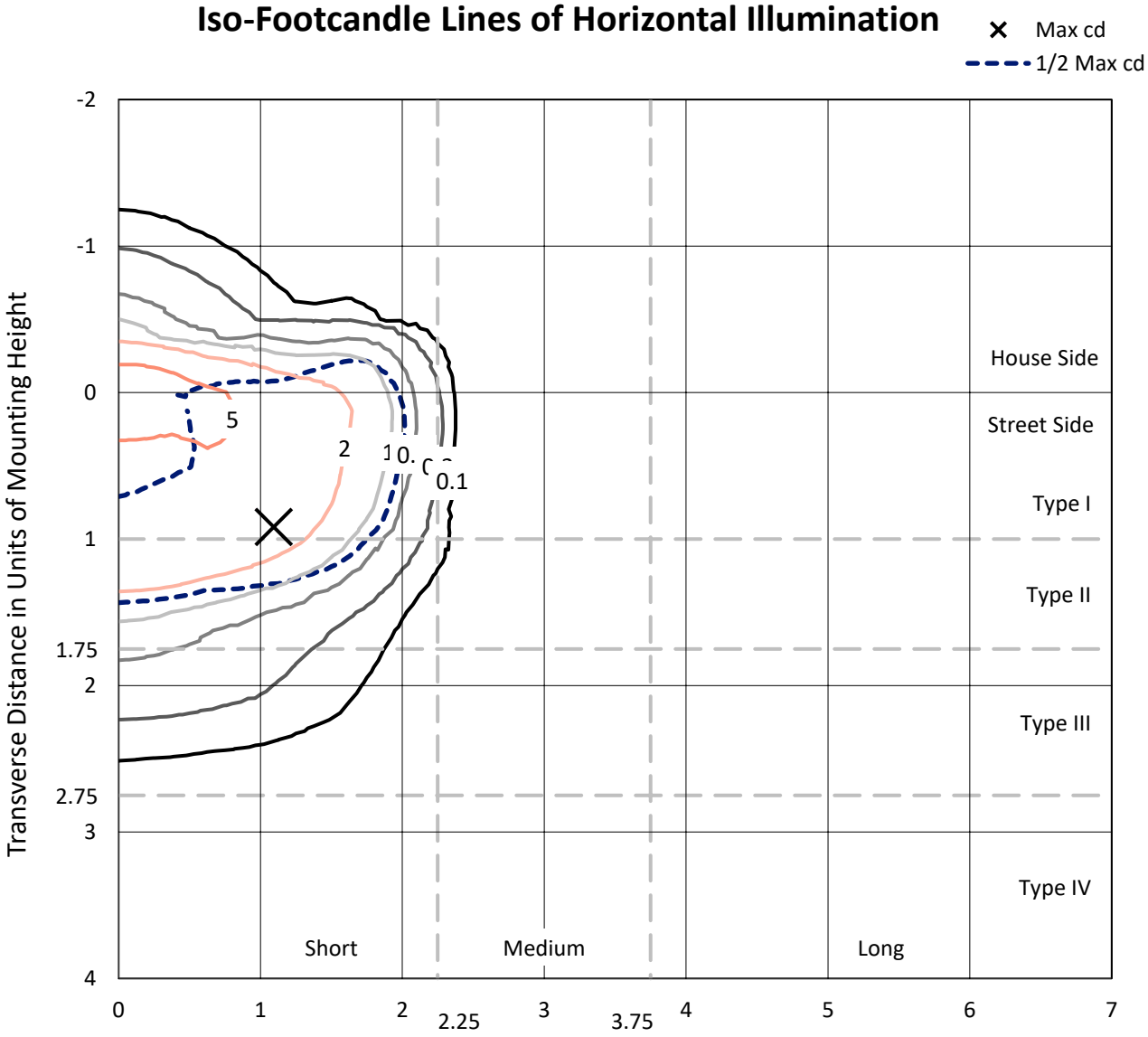
REPORT NUMBER: P630054
CATALOG NUMBER: GWS-SA1C-830-U-SL2-W-GRSBK

Iso-Footcandle Lines of Horizontal Illumination



Based on 10 foot mounting height. Maximum calculated value = 7.9 fc
Type II - Short - N/A

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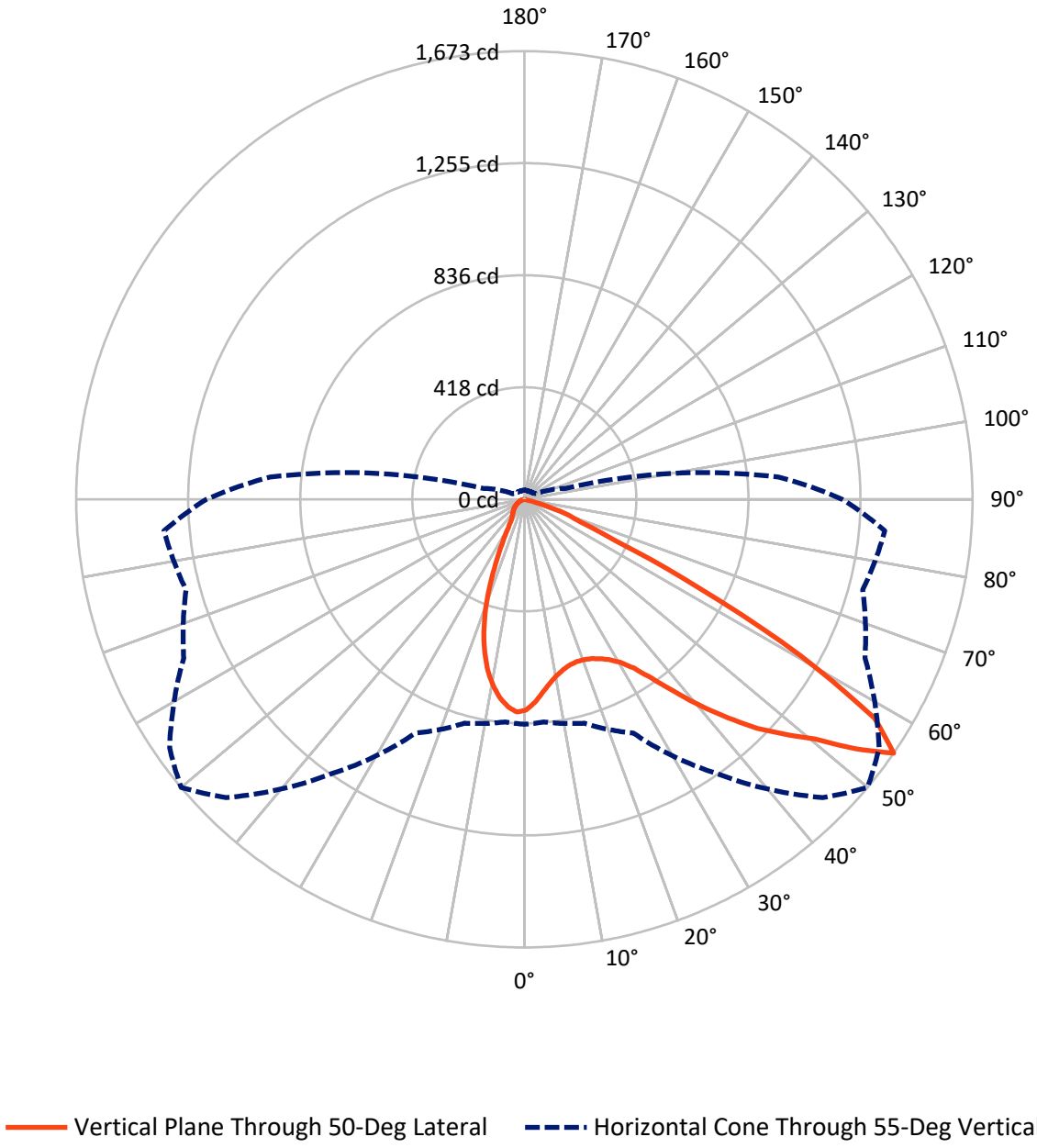
Luminous Intensity Polar Plot



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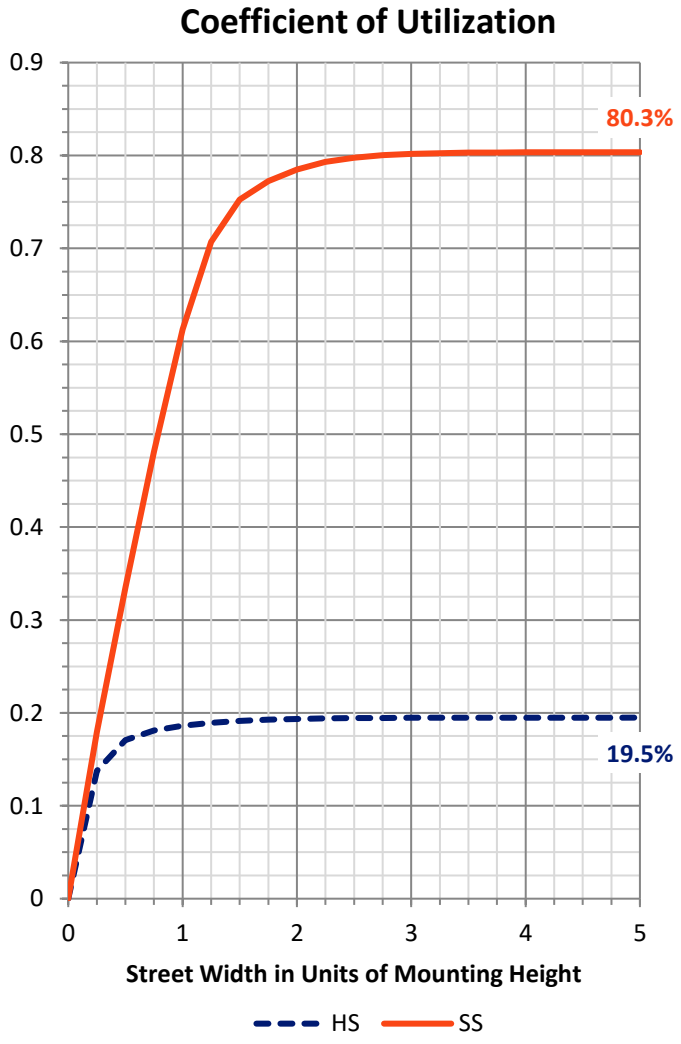
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	441.8	0.0	441.8
	% Fixture	19.7	0.0	19.7
Street Side	Lumens	1800.3	0.0	1800.3
	% Fixture	80.3	0.0	80.3
Total	Lumens	2242.1	0.0	2242.1
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	69.1	3.1
10°-20°	170.0	7.6
20°-30°	239.8	10.7
30°-40°	354.9	15.8
40°-50°	511.9	22.8
50°-60°	603.9	26.9
60°-70°	269.4	12.0
70°-80°	23.2	1.0
80°-90°	0.0	0.0
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°	2242.1	100.0
0°-180°	2242.1	100.0



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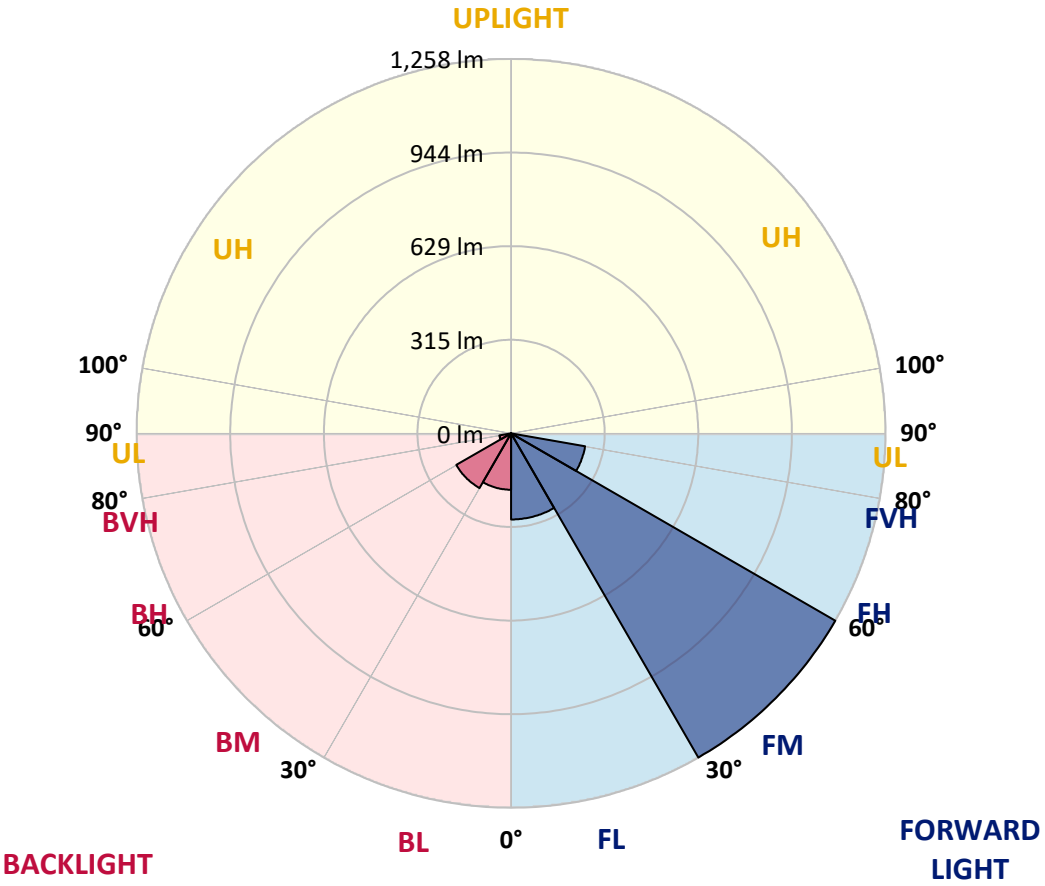
LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	289.5	12.9			
FM	(30°-60°)	1258.2	56.1			
FH	(60°-80°)	252.6	11.3			G0/660
FVH	(80°-90°)	0.0	0.0			G0/10
BL	(0°-30°)	189.4	8.4	B1/500		
BM	(30°-60°)	212.5	9.5	B0/220		
BH	(60°-80°)	39.9	1.8	B0/110		G0/110
BVH	(80°-90°)	0.0	0.0			G0/10
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G0
Type II Short



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REPORT NUMBER: P630054
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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	50°	55°	65°	75°	85°
0°	786.7	786.7	786.7	786.7	786.7	786.7	786.7	786.7	786.7	786.7	786.7
2.5°	730.8	731.4	731.6	739.0	741.8	752.7	758.5	761.5	769.4	778.7	786.4
5°	681.8	681.0	682.4	691.7	697.7	713.8	722.6	728.6	746.1	768.0	786.4
7.5°	639.1	640.8	642.4	652.5	661.6	679.1	691.7	700.7	725.1	757.6	788.6
10°	609.0	609.0	611.5	623.0	633.6	655.3	667.9	679.4	708.4	748.3	791.0
12.5°	586.8	587.1	590.1	603.3	615.6	638.0	651.2	662.4	694.4	739.0	791.6
15°	576.4	575.6	578.1	592.0	605.7	626.8	640.5	651.4	684.6	733.8	794.3
17.5°	573.7	573.2	575.1	588.8	602.7	623.2	636.7	647.6	683.2	735.5	802.5
20°	581.6	580.5	579.7	591.5	604.6	624.9	638.8	651.2	689.8	744.5	815.1
22.5°	600.5	600.5	598.6	604.4	613.1	631.5	646.0	662.1	707.0	762.6	833.7
25°	635.3	632.6	629.0	631.5	630.4	641.9	659.1	681.5	739.6	792.4	856.5
27.5°	675.0	677.4	671.4	671.7	662.1	658.0	678.0	711.9	788.0	834.6	890.1
30°	728.9	727.0	727.3	726.4	704.3	684.8	706.5	751.6	849.1	898.9	933.9
32.5°	771.1	773.8	782.8	788.0	759.0	727.8	750.8	805.5	918.6	972.2	987.6
35°	815.7	820.6	838.9	855.9	831.5	795.7	820.3	877.0	984.0	1044.8	1049.1
37.5°	862.7	872.6	894.5	924.3	920.5	888.7	911.2	961.0	1035.5	1088.6	1100.1
40°	916.7	926.2	962.1	1005.1	1014.1	1007.0	1014.4	1043.4	1069.4	1090.5	1122.0
42.5°	975.8	988.9	1034.4	1091.8	1125.8	1132.1	1114.8	1111.8	1084.2	1068.6	1117.3
45°	1045.6	1060.9	1112.4	1186.8	1240.7	1249.2	1219.4	1180.8	1093.5	1052.4	1103.3
47.5°	1123.9	1138.4	1189.6	1279.1	1359.3	1362.5	1310.5	1248.4	1121.1	1071.0	1114.0
50°	1150.1	1159.2	1203.5	1308.6	1456.4	1481.6	1406.3	1324.5	1176.7	1125.8	1166.0
52.5°	1059.8	1063.4	1102.0	1208.2	1436.7	1598.5	1546.2	1438.1	1275.5	1209.3	1246.2
55°	839.8	834.0	865.2	962.7	1248.7	1574.7	1672.9	1616.6	1402.8	1307.3	1350.5
57.5°	587.4	580.5	573.4	639.4	931.7	1334.9	1541.6	1641.5	1524.0	1404.4	1463.0
60°	482.8	476.3	441.8	411.4	563.3	958.5	1184.1	1372.1	1514.2	1399.5	1459.4
62.5°	417.1	413.3	399.3	358.0	331.5	547.2	741.5	921.6	1161.9	1099.0	1102.2
65°	327.6	326.5	336.1	340.5	293.1	302.7	378.3	479.0	628.2	592.3	561.7
67.5°	223.9	221.4	239.5	294.5	281.9	239.0	221.4	223.4	271.8	166.1	131.9
70°	142.3	136.6	136.9	182.6	229.4	188.6	170.8	150.3	135.2	24.6	27.9
72.5°	91.1	87.6	75.3	82.4	106.2	92.0	92.8	79.9	53.4	13.1	15.3
75°	38.3	35.3	27.1	21.6	21.3	13.4	11.8	10.9	7.4	7.4	7.9
77.5°	0.3	0.0	0.0	0.3	0.5	0.3	0.3	0.5	1.1	1.6	1.9
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	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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REPORT NUMBER: P630054
CATALOG NUMBER: GWS-SA1C-830-U-SL2-W-GRSBK

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	786.7	786.7	786.7	786.7	786.7	786.7	786.7	786.7	786.7	786.7	786.7
2.5°	791.0	784.5	791.9	794.6	794.3	794.6	786.7	781.2	780.9	774.1	770.8
5°	794.0	788.8	794.3	790.8	782.3	771.6	757.4	745.0	739.6	731.6	727.8
7.5°	799.8	794.3	793.5	779.3	758.2	735.7	710.6	688.1	676.1	661.6	662.4
10°	803.9	797.6	786.9	757.9	722.9	687.0	649.5	616.1	595.1	575.6	572.3
12.5°	805.5	796.2	771.3	727.5	678.3	631.5	576.4	528.8	496.0	470.5	467.0
15°	808.6	793.5	751.3	690.9	623.2	557.0	486.9	421.8	378.3	349.0	351.4
17.5°	813.2	790.5	728.9	649.8	564.1	470.5	375.8	301.1	261.1	244.2	244.4
20°	819.8	786.9	704.3	604.6	493.2	372.8	262.8	206.4	195.2	194.6	193.8
22.5°	828.5	783.4	678.0	555.1	409.2	261.1	174.9	157.4	162.0	171.1	172.7
25°	838.9	779.0	648.7	499.3	317.5	171.3	131.1	128.4	139.6	151.6	154.4
27.5°	855.1	776.8	615.3	435.8	222.8	122.9	107.3	108.9	119.1	129.2	131.7
30°	882.5	780.9	578.9	364.6	143.2	98.0	93.1	95.5	101.0	106.2	108.4
32.5°	919.7	792.9	543.6	286.9	102.1	85.1	84.0	85.4	87.6	90.6	91.4
35°	963.2	813.8	507.2	205.3	84.3	77.7	76.6	76.6	77.7	78.3	78.6
37.5°	999.1	835.6	473.0	136.6	75.5	72.0	70.3	69.5	69.2	69.8	70.1
40°	1014.7	844.7	435.8	99.4	69.2	66.8	64.3	61.9	61.9	63.8	64.0
42.5°	1003.7	834.6	392.8	82.1	64.9	61.3	57.5	55.3	56.4	58.3	58.8
45°	980.4	809.6	345.4	72.5	60.5	55.8	51.5	50.1	51.2	53.6	54.2
47.5°	976.6	793.2	288.8	66.2	55.8	51.2	46.5	45.2	46.5	48.4	49.0
50°	1014.7	807.5	225.8	60.8	51.5	46.3	42.4	41.1	41.9	43.0	43.5
52.5°	1084.2	860.3	182.3	55.6	46.3	41.3	38.9	37.2	37.2	38.3	38.6
55°	*1186.8*	*952.5*	*157.4*	*49.5*	*40.2*	*37.5*	*35.3*	*33.7*	*33.7*	*34.2*	*34.5*
57.5°	1305.1	1064.2	163.1	41.6	35.3	33.9	32.0	30.7	31.2	31.2	31.2
60°	1288.6	1056.0	174.6	35.0	31.2	30.7	29.0	28.5	29.8	28.7	28.2
62.5°	949.2	729.4	91.4	28.7	26.8	26.3	25.2	26.3	28.2	25.2	24.1
65°	460.9	353.1	36.7	23.5	22.7	22.2	21.6	23.3	24.4	19.7	18.6
67.5°	108.4	88.1	23.8	20.0	18.9	17.8	18.3	18.6	17.8	13.4	12.9
70°	28.2	27.6	18.6	16.7	15.1	14.0	14.0	13.7	11.8	8.5	7.9
72.5°	15.3	15.1	13.4	12.6	10.4	9.3	9.6	8.5	6.6	4.9	4.7
75°	7.7	8.2	7.7	7.1	5.7	5.2	5.2	4.7	3.3	1.9	1.9
77.5°	1.6	1.9	1.9	1.6	1.4	1.1	1.1	1.4	0.5	0.0	0.0
80°	0.3	0.3	0.3	0.3	0.3	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	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: SP1-2408-195-9

Test Date: 08/07/2024

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

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

Report Generated By FNC07603 / LDUCLS01DT446
Version: v7.04

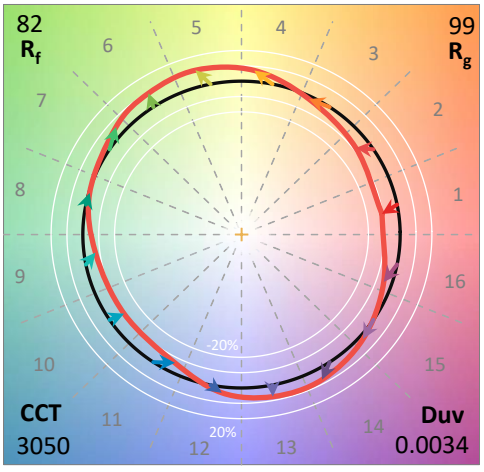
Test Information

Test Method:	LM-79-2019
Report Number:	SP1-2408-195-9
Test Lab:	COOPER LIGHTING SOLUTIONS
Photometer:	SP1 - 76IN SPHERE
Measurement Geometry:	4π
Issue Date:	08/07/2024
Manufacturer:	COOPER LIGHTING SOLUTIONS
Product Line:	MCGRAW EDISON
Catalog Number:	**GALN-SB1A-830-U-5WQ**
Description:	GALLEON AREA AND ROADWAY LUMINAIRE. (1) 80 CRI, 3000K, 350MA HIGH DENSITY LIGHTSQUARE WITH 26 LEDS AND TYPE V WIDE OPTICS

Spectral Parameters

CCT (K):	3050	CRI (Ra):	81.0		
CIE u':	0.2476	R1:	79.6	R9:	7.1
CIE v':	0.5251	R2:	85.6	R10:	67.0
Duv:	0.0034	R3:	92.0	R11:	82.7
CIE x:	0.4383	R4:	82.6	R12:	63.2
CIE y:	0.4131	R5:	78.9	R13:	80.3
CIE z:	0.1487	R6:	81.7	R14:	95.0
Peak Wavelength (nm):	603	R7:	85.2	R15:	71.7
Dominant Wavelength (nm):	581	R8:	62.0		
Purity:	55.55201				

Rf:	81.5
Rg:	99.2



Test Conditions

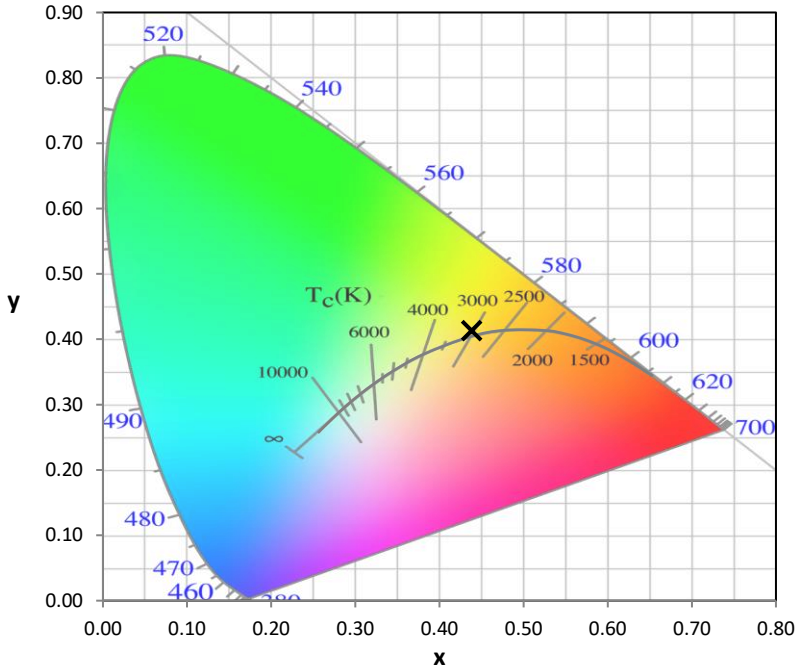
Stabilization Time:	20M
Operation Time:	1H 20M
Sphere Temperature (°C):	24.2

REPORT NUMBER: SP1-2408-195-9

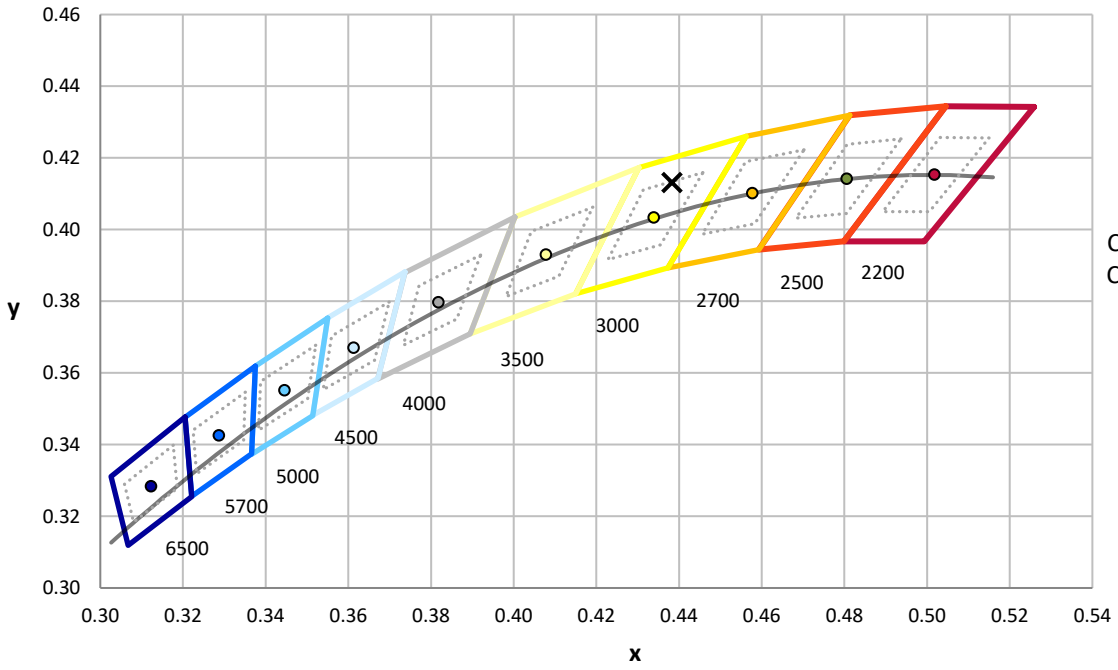
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

REPORT NUMBER: SP1-2408-195-9

CIE 1931 Chromaticity Diagram



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

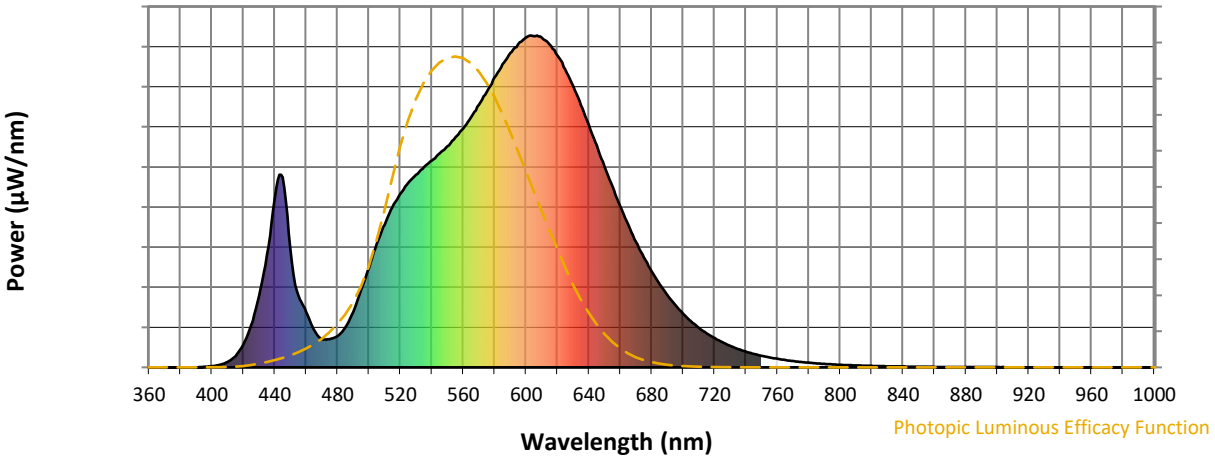


CCT = 3050K
CIE x = 0.4383
CIE y = 0.4131
Duv = 0.0034

Point lies inside the ANSI 3000K 4-step quadrangle

REPORT NUMBER: SP1-2408-195-9

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	168	NR	620	940	NR	750	35	NR	880	1	NR
365	0	NR	495	233	NR	625	897	NR	755	30	NR	885	1	NR
370	0	NR	500	300	NR	630	847	NR	760	26	NR	890	1	NR
375	0	NR	505	372	NR	635	790	NR	765	22	NR	895	1	NR
380	0	NR	510	430	NR	640	730	NR	770	19	NR	900	1	NR
385	0	NR	515	483	NR	645	668	NR	775	16	NR	905	1	NR
390	0	NR	520	524	NR	650	605	NR	780	14	NR	910	0	NR
395	2	NR	525	555	NR	655	545	NR	785	12	NR	915	0	NR
400	4	NR	530	581	NR	660	485	NR	790	10	NR	920	0	NR
405	7	NR	535	604	NR	665	430	NR	795	9	NR	925	0	NR
410	17	NR	540	623	NR	670	378	NR	800	8	NR	930	0	NR
415	34	NR	545	645	NR	675	331	NR	805	7	NR	935	0	NR
420	68	NR	550	667	NR	680	290	NR	810	6	NR	940	0	NR
425	128	NR	555	693	NR	685	251	NR	815	5	NR	945	0	NR
430	214	NR	560	719	NR	690	218	NR	820	4	NR	950	0	NR
435	339	NR	565	754	NR	695	188	NR	825	4	NR	955	0	NR
440	507	NR	570	791	NR	700	162	NR	830	3	NR	960	0	NR
445	573	NR	575	830	NR	705	139	NR	835	3	NR	965	0	NR
450	356	NR	580	873	NR	710	119	NR	840	3	NR	970	0	NR
455	217	NR	585	913	NR	715	102	NR	845	2	NR	975	0	NR
460	168	NR	590	948	NR	720	88	NR	850	2	NR	980	0	NR
465	113	NR	595	974	NR	725	76	NR	855	2	NR	985	0	NR
470	85	NR	600	994	NR	730	65	NR	860	1	NR	990	0	NR
475	85	NR	605	998	NR	735	55	NR	865	1	NR	995	0	NR
480	94	NR	610	994	NR	740	47	NR	870	1	NR	1000	0	NR
485	120	NR	615	973	NR	745	41	NR	875	1	NR			

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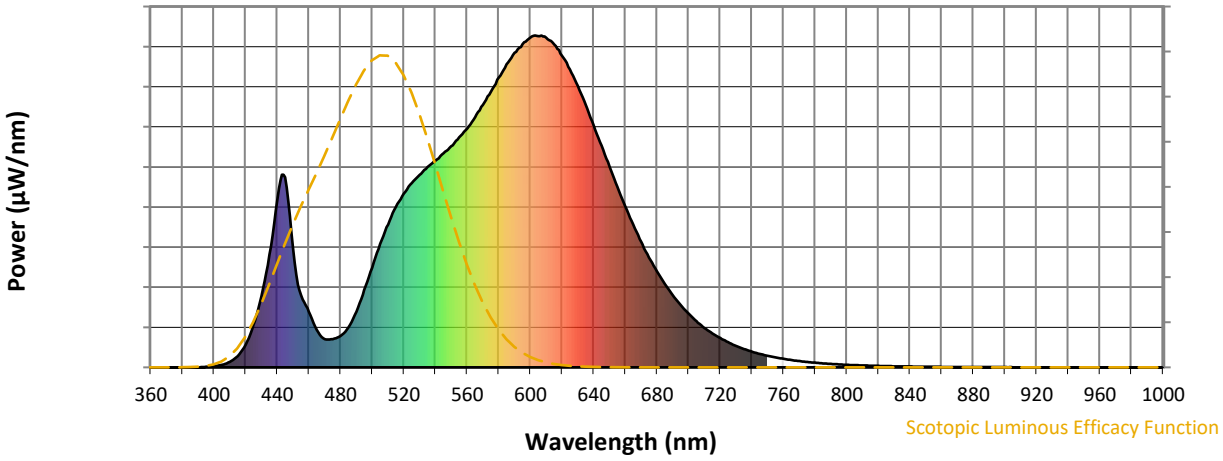
Scotopic Flux vs. Wavelength



Scotopic Lumens: NR **S/P: 1.27**

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	168	NR	620	940	NR	750	35	NR	880	1	NR
365	0	NR	495	233	NR	625	897	NR	755	30	NR	885	1	NR
370	0	NR	500	300	NR	630	847	NR	760	26	NR	890	1	NR
375	0	NR	505	372	NR	635	790	NR	765	22	NR	895	1	NR
380	0	NR	510	430	NR	640	730	NR	770	19	NR	900	1	NR
385	0	NR	515	483	NR	645	668	NR	775	16	NR	905	1	NR
390	0	NR	520	524	NR	650	605	NR	780	14	NR	910	0	NR
395	2	NR	525	555	NR	655	545	NR	785	12	NR	915	0	NR
400	4	NR	530	581	NR	660	485	NR	790	10	NR	920	0	NR
405	7	NR	535	604	NR	665	430	NR	795	9	NR	925	0	NR
410	17	NR	540	623	NR	670	378	NR	800	8	NR	930	0	NR
415	34	NR	545	645	NR	675	331	NR	805	7	NR	935	0	NR
420	68	NR	550	667	NR	680	290	NR	810	6	NR	940	0	NR
425	128	NR	555	693	NR	685	251	NR	815	5	NR	945	0	NR
430	214	NR	560	719	NR	690	218	NR	820	4	NR	950	0	NR
435	339	NR	565	754	NR	695	188	NR	825	4	NR	955	0	NR
440	507	NR	570	791	NR	700	162	NR	830	3	NR	960	0	NR
445	573	NR	575	830	NR	705	139	NR	835	3	NR	965	0	NR
450	356	NR	580	873	NR	710	119	NR	840	3	NR	970	0	NR
455	217	NR	585	913	NR	715	102	NR	845	2	NR	975	0	NR
460	168	NR	590	948	NR	720	88	NR	850	2	NR	980	0	NR
465	113	NR	595	974	NR	725	76	NR	855	2	NR	985	0	NR
470	85	NR	600	994	NR	730	65	NR	860	1	NR	990	0	NR
475	85	NR	605	998	NR	735	55	NR	865	1	NR	995	0	NR
480	94	NR	610	994	NR	740	47	NR	870	1	NR	1000	0	NR
485	120	NR	615	973	NR	745	41	NR	875	1	NR			

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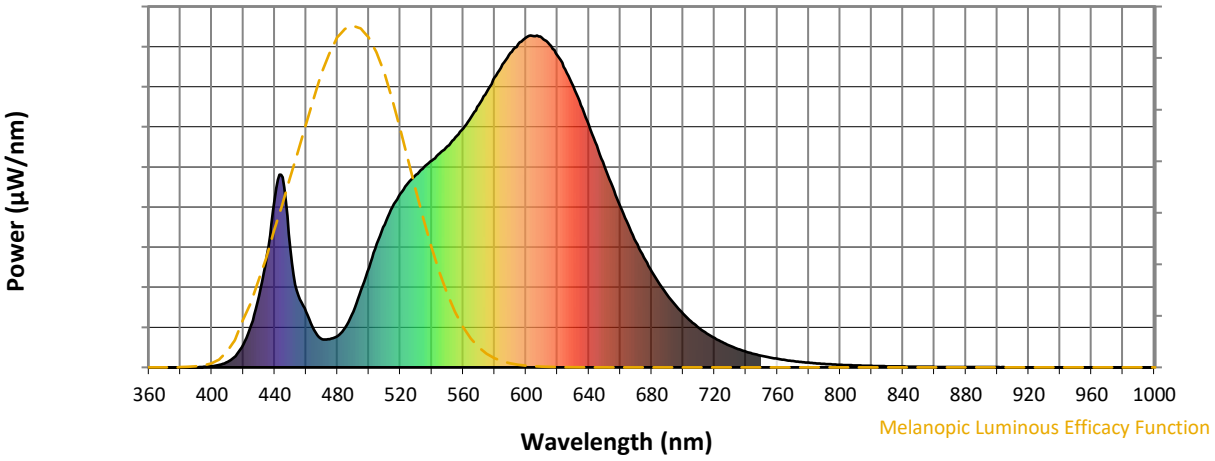
Melanopic Flux vs. Wavelength



Melanopic Lumens: NR **M/P: 2.32**

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	168	NR	620	940	NR	750	35	NR	880	1	NR
365	0	NR	495	233	NR	625	897	NR	755	30	NR	885	1	NR
370	0	NR	500	300	NR	630	847	NR	760	26	NR	890	1	NR
375	0	NR	505	372	NR	635	790	NR	765	22	NR	895	1	NR
380	0	NR	510	430	NR	640	730	NR	770	19	NR	900	1	NR
385	0	NR	515	483	NR	645	668	NR	775	16	NR	905	1	NR
390	0	NR	520	524	NR	650	605	NR	780	14	NR	910	0	NR
395	2	NR	525	555	NR	655	545	NR	785	12	NR	915	0	NR
400	4	NR	530	581	NR	660	485	NR	790	10	NR	920	0	NR
405	7	NR	535	604	NR	665	430	NR	795	9	NR	925	0	NR
410	17	NR	540	623	NR	670	378	NR	800	8	NR	930	0	NR
415	34	NR	545	645	NR	675	331	NR	805	7	NR	935	0	NR
420	68	NR	550	667	NR	680	290	NR	810	6	NR	940	0	NR
425	128	NR	555	693	NR	685	251	NR	815	5	NR	945	0	NR
430	214	NR	560	719	NR	690	218	NR	820	4	NR	950	0	NR
435	339	NR	565	754	NR	695	188	NR	825	4	NR	955	0	NR
440	507	NR	570	791	NR	700	162	NR	830	3	NR	960	0	NR
445	573	NR	575	830	NR	705	139	NR	835	3	NR	965	0	NR
450	356	NR	580	873	NR	710	119	NR	840	3	NR	970	0	NR
455	217	NR	585	913	NR	715	102	NR	845	2	NR	975	0	NR
460	168	NR	590	948	NR	720	88	NR	850	2	NR	980	0	NR
465	113	NR	595	974	NR	725	76	NR	855	2	NR	985	0	NR
470	85	NR	600	994	NR	730	65	NR	860	1	NR	990	0	NR
475	85	NR	605	998	NR	735	55	NR	865	1	NR	995	0	NR
480	94	NR	610	994	NR	740	47	NR	870	1	NR	1000	0	NR
485	120	NR	615	973	NR	745	41	NR	875	1	NR			

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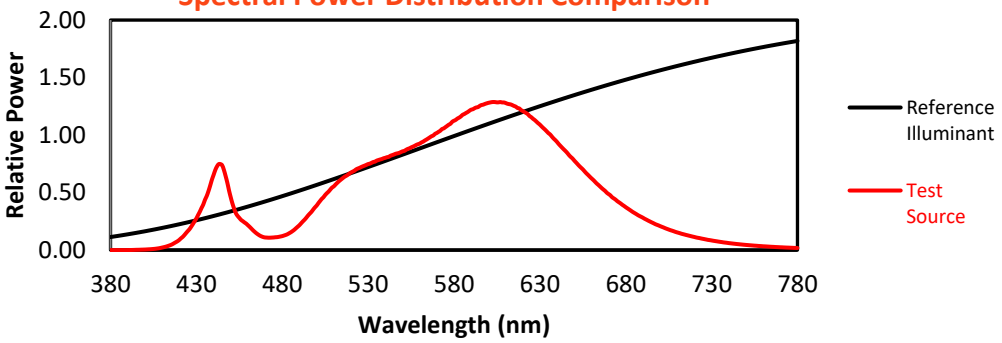
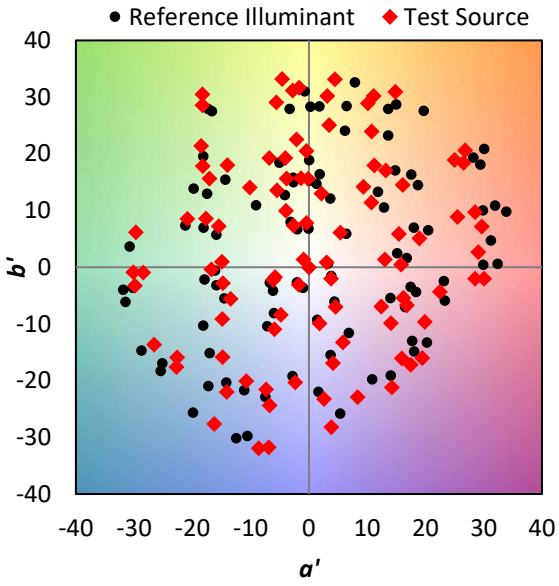
Summary

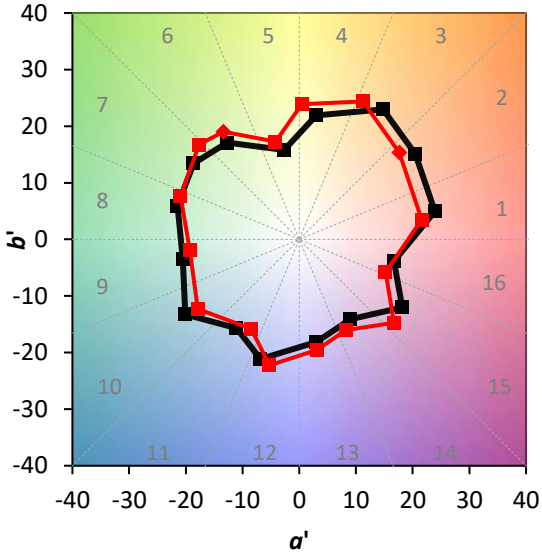
R_f = 81.5
R_g = 99.2
CIE R_a = 81.0
R_9 = 7.1

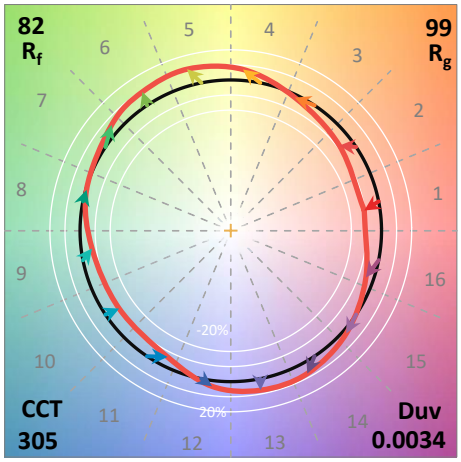
Spectral Power Distribution Comparison

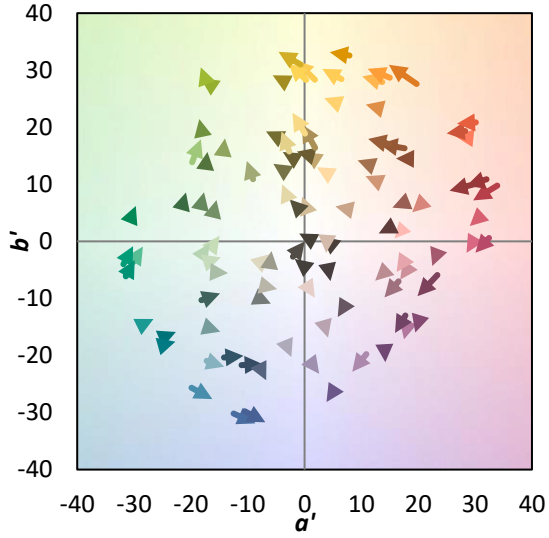


Color Vector Graphics









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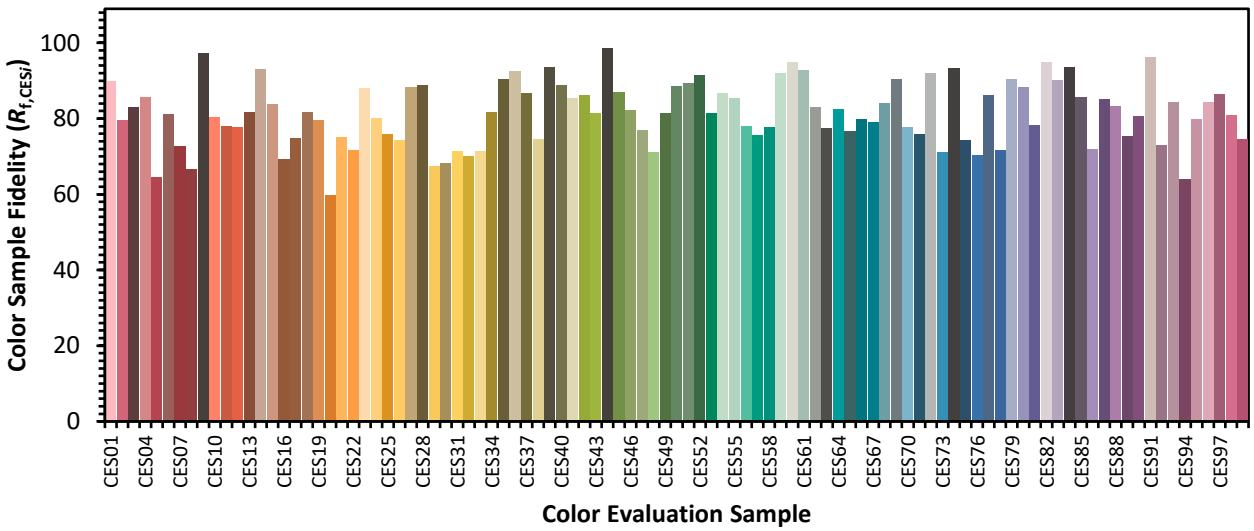
Individual Sample Fidelity Index ($R_{f,i}$)

CES01 = 86	CES26 = 74	CES51 = 89	CES76 = 70
CES02 = 63	CES27 = 88	CES52 = 92	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 = 94
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 = 91	CES94 = 64
CES20 = 66	CES45 = 87	CES70 = 78	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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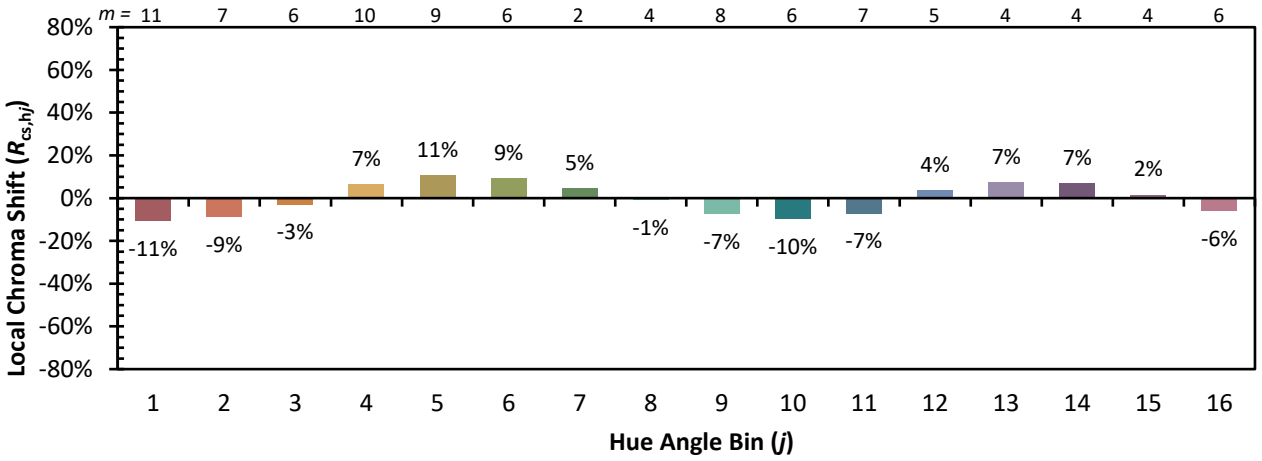
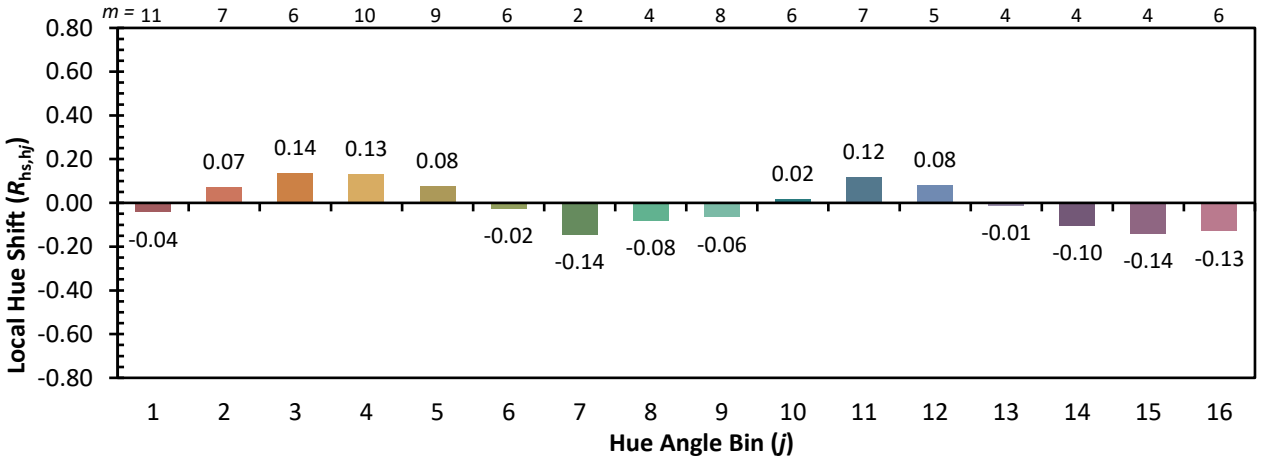
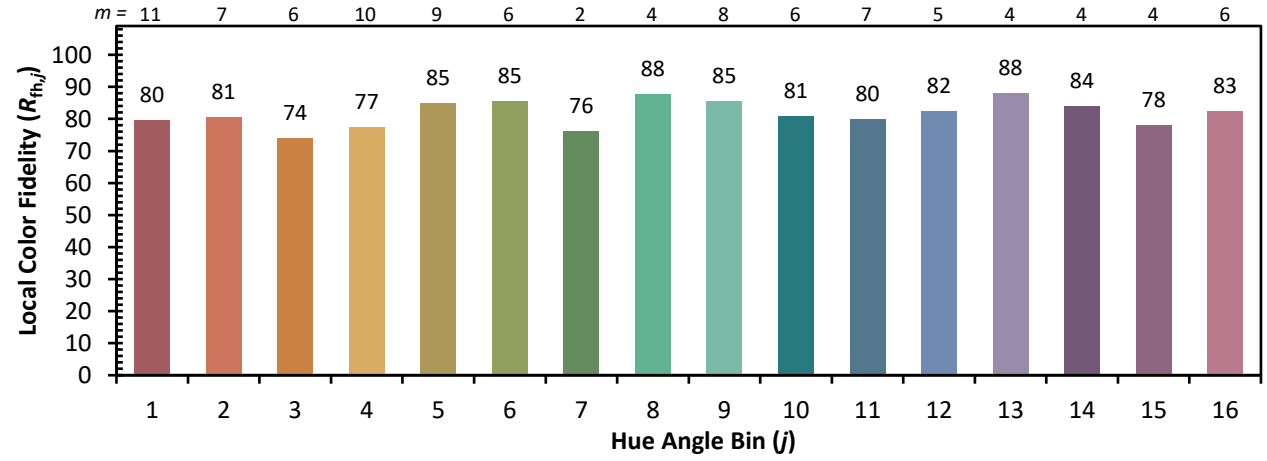
Color Rendition by Hue-Angle Bin







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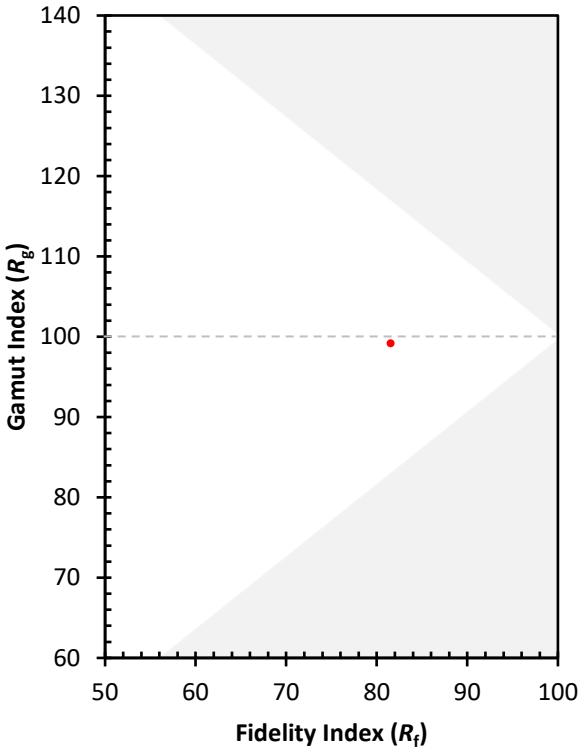
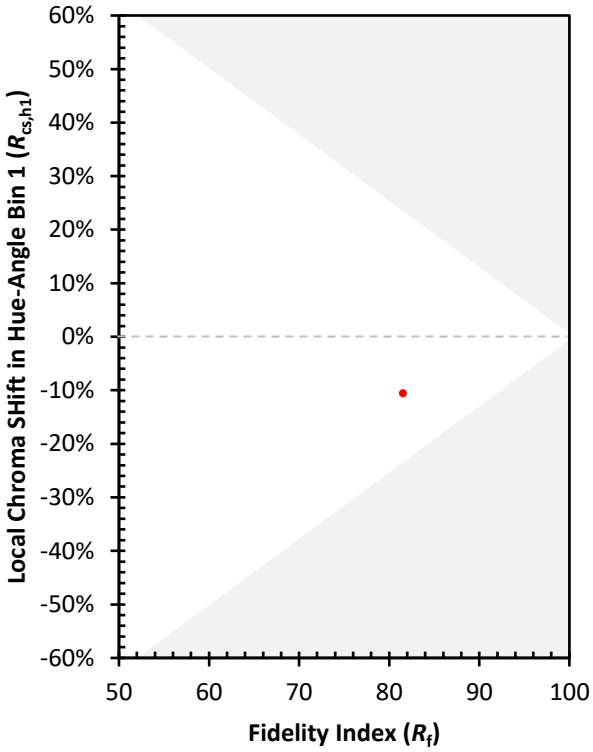
Measure Comparisons





(END OF REPORT)