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: P629089

Luminaire Tested: GWS-SA1A-830-U-T2R-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:	P629089
	TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-12)
Test Lab:	COOPER LIGHTING SOLUTIONS
Issue Date:	1/10/2023
Manufacturer:	COOPER LIGHTING SOLUTIONS
Product Line:	McGRAW-EDISON
Catalog Number:	GWS-SA1A-830-U-T2R-W-GRSBK
Description:	GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II ROADWAY 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:	1514.3 lumens
Efficiency:	N/A
Efficacy:	76.9 lumens/watt
Luminous Opening:	Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification:	Type II - Short
BUG Rating:	B0 - U0 - G0

Input Watts (W):	19.7
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: P629089
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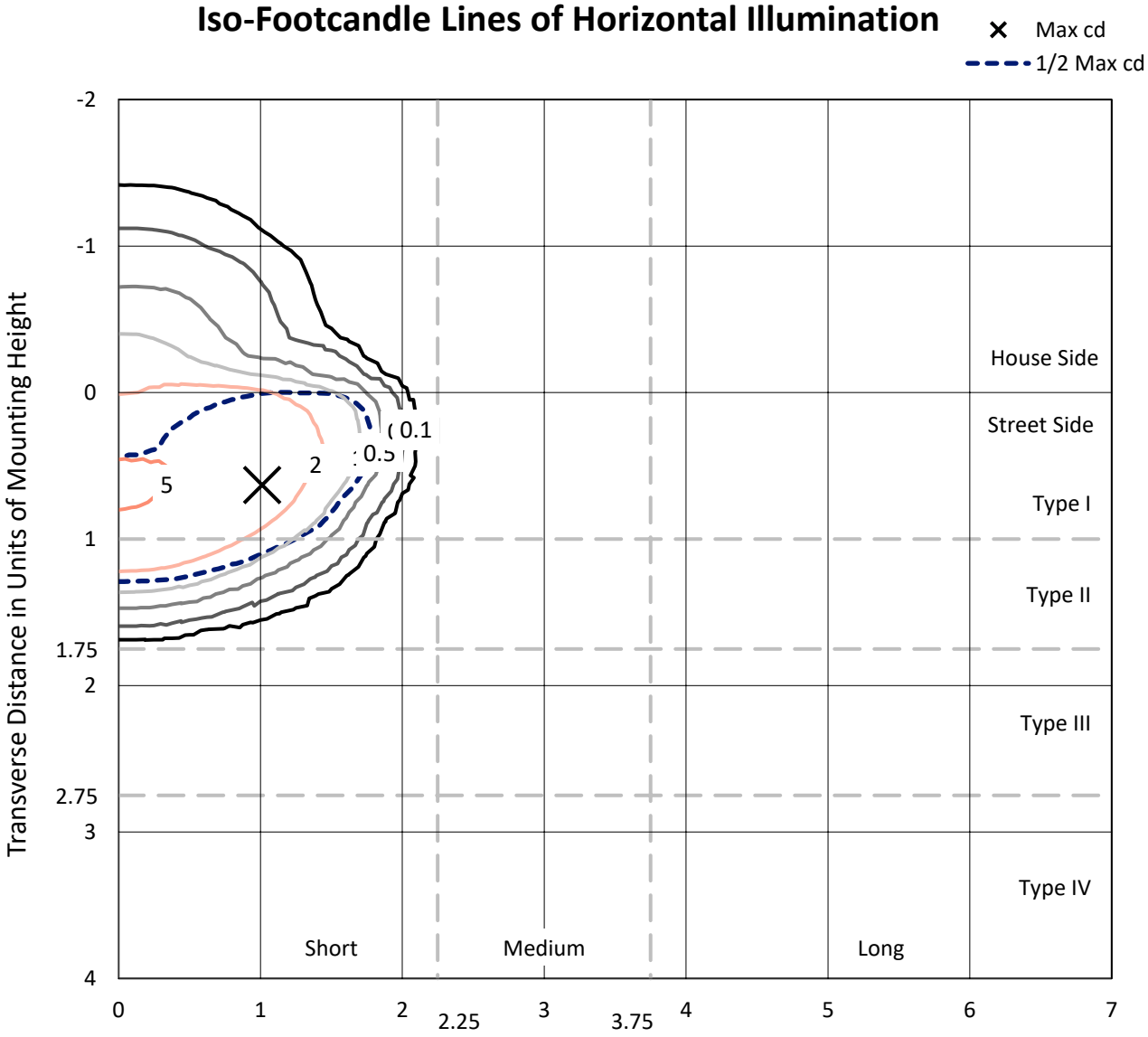
Iso-Footcandle Lines of Horizontal Illumination



Based on 10 foot mounting height. Maximum calculated value = 5.6 fc
Type II - Short - N/A

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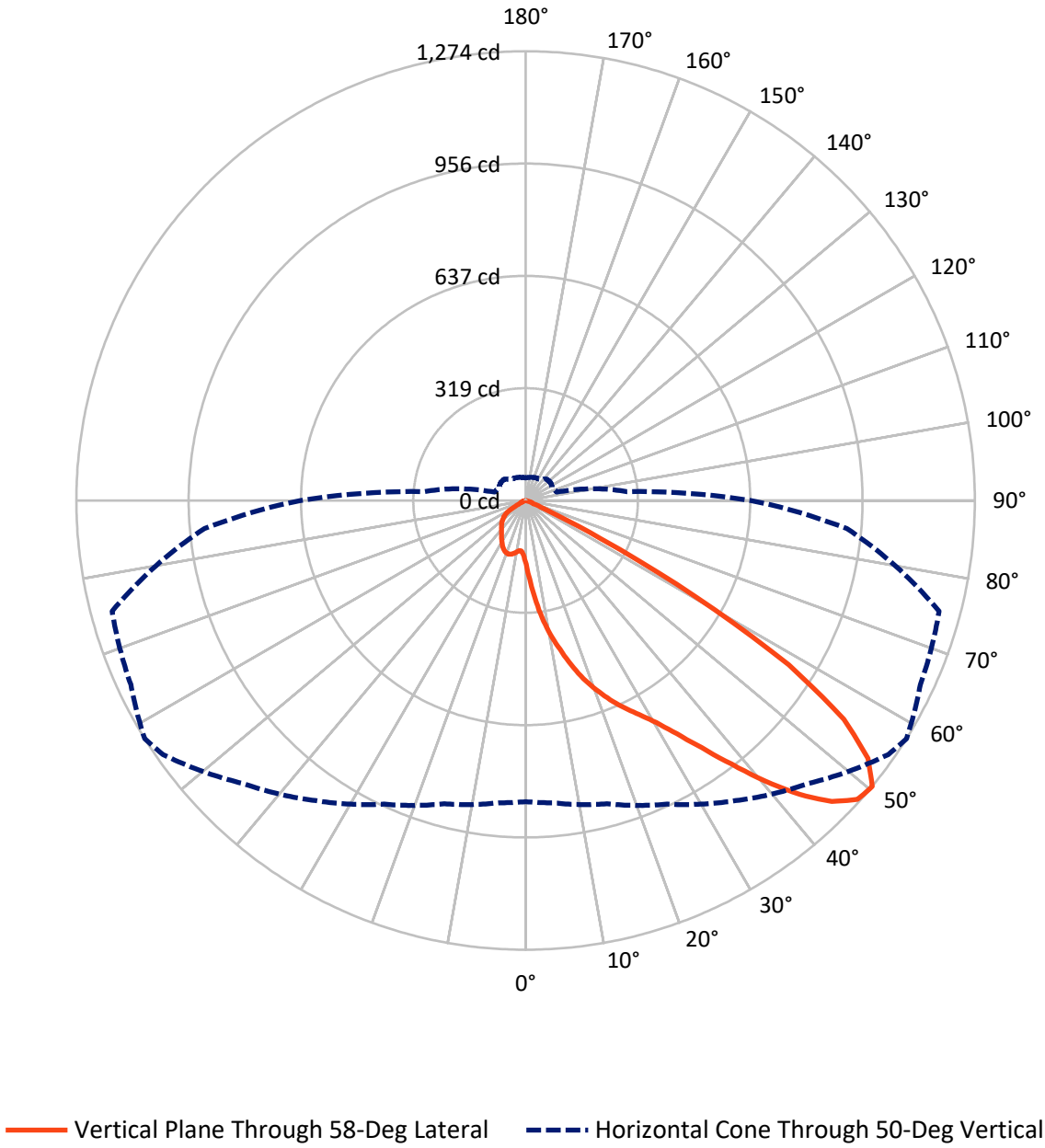
Luminous Intensity Polar Plot



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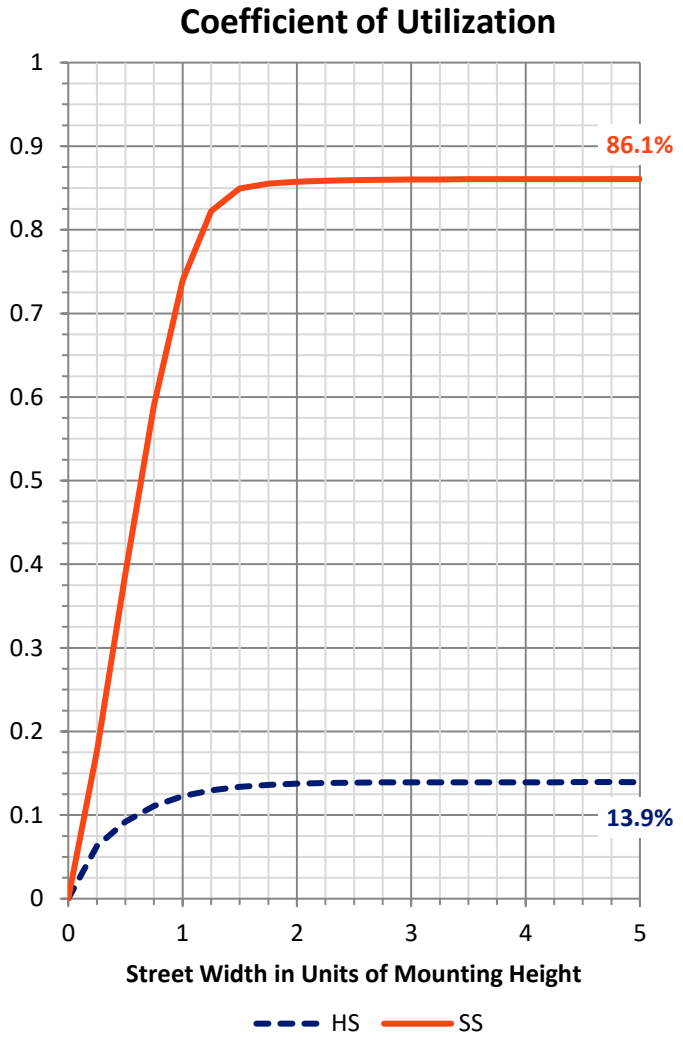
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	212.1	0.0	212.1
	% Fixture	14.0	0.0	14.0
Street Side	Lumens	1302.2	0.0	1302.2
	% Fixture	86.0	0.0	86.0
Total	Lumens	1514.3	0.0	1514.3
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	22.4	1.5
10°-20°	88.7	5.9
20°-30°	179.5	11.9
30°-40°	317.6	21.0
40°-50°	462.9	30.6
50°-60°	371.1	24.5
60°-70°	66.9	4.4
70°-80°	5.3	0.3
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°	1514.3	100.0
0°-180°	1514.3	100.0



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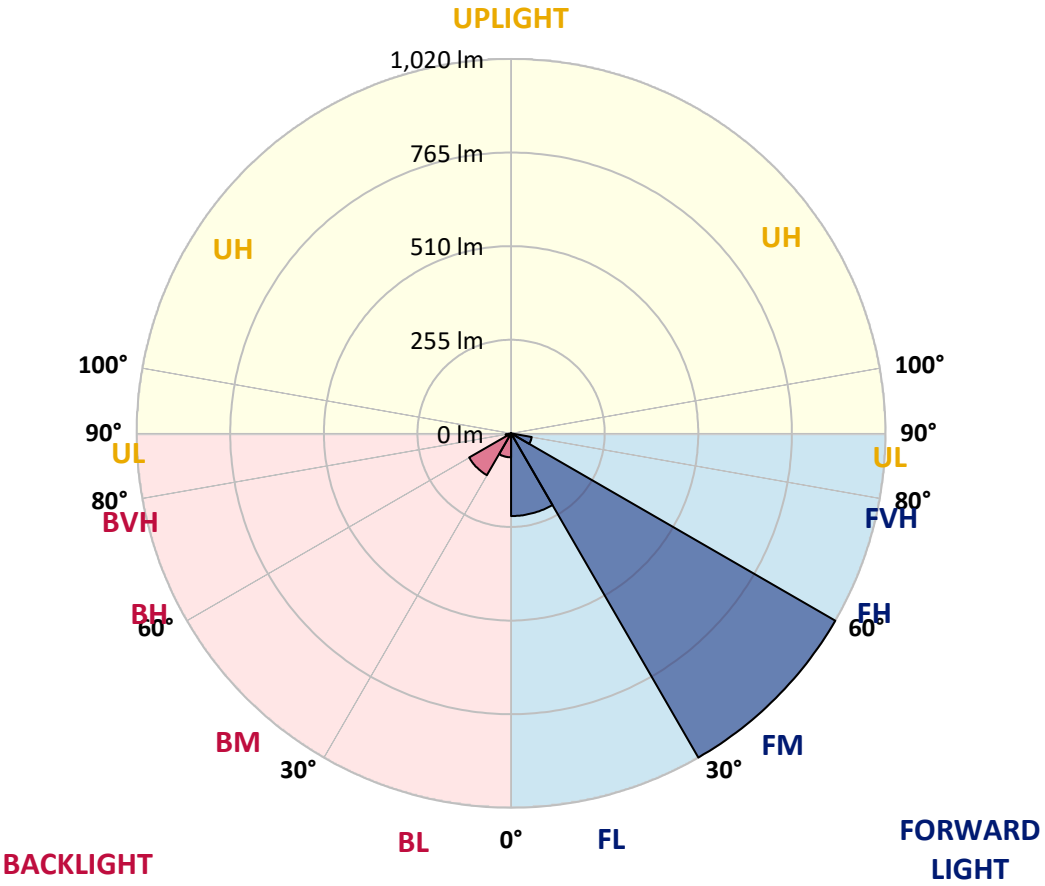
LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	225.3	14.9			
FM	(30°-60°)	1019.8	67.3			
FH	(60°-80°)	57.0	3.8			G0/660
FVH	(80°-90°)	0.0	0.0			G0/10
BL	(0°-30°)	65.3	4.3	B0/110		
BM	(30°-60°)	131.7	8.7	B0/220		
BH	(60°-80°)	15.1	1.0	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: B0-U0-G0
Type II Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	58°	65°	75°	85°
0°	180.9	180.9	180.9	180.9	180.9	180.9	180.9	*180.9*	180.9	180.9	180.9
2.5°	267.7	263.5	261.0	259.1	250.5	236.9	228.0	*223.3*	215.5	202.4	191.1
5°	349.3	346.2	340.5	336.7	325.6	306.4	286.5	*278.5*	260.9	231.2	204.7
7.5°	403.4	401.1	399.0	393.8	383.5	366.0	343.9	*335.7*	308.5	266.4	222.8
10°	445.0	443.2	440.8	440.6	432.5	416.8	395.3	*386.7*	357.2	304.6	244.2
12.5°	481.6	480.1	479.6	484.2	479.0	467.3	444.0	*433.3*	402.1	343.6	267.8
15°	506.7	506.4	508.5	517.4	520.3	515.0	495.4	*483.9*	447.9	382.8	293.9
17.5°	518.2	519.2	523.2	538.6	551.5	556.1	541.0	*531.3*	493.4	422.5	321.8
20°	537.8	537.5	539.9	554.5	570.3	586.5	582.0	*573.7*	539.4	464.4	352.7
22.5°	593.0	588.3	583.1	585.4	591.1	610.0	618.4	*614.2*	586.8	507.5	384.6
25°	677.9	673.0	656.3	640.1	629.4	638.0	649.5	*651.6*	634.0	551.7	418.0
27.5°	767.9	763.5	744.7	720.4	689.8	674.9	683.5	*687.7*	680.3	604.3	453.4
30°	852.3	846.4	825.9	795.7	760.3	737.4	727.7	*730.6*	735.0	666.7	495.0
32.5°	925.5	921.1	896.5	864.7	830.6	806.8	784.1	*788.9*	799.6	743.0	548.3
35°	987.5	985.2	959.1	927.6	891.4	879.3	859.9	*860.8*	871.5	835.1	613.2
37.5°	1041.4	1037.5	1013.9	984.6	955.9	954.0	948.6	*949.1*	954.6	942.5	687.9
40°	1075.4	1071.8	1055.0	1036.9	1016.5	1016.8	1044.5	*1046.6*	1040.3	1047.9	766.8
42.5°	1088.2	1085.6	1076.5	1076.7	1074.6	1084.1	1136.1	*1140.0*	1117.3	1130.6	834.1
45°	1066.0	1064.9	1065.5	1088.8	1114.1	1143.6	1211.1	*1217.9*	1185.8	1185.5	886.8
47.5°	994.4	992.2	1011.1	1050.8	1109.2	1166.6	1256.4	*1267.0*	1233.8	1216.9	919.8
50°	*854.2*	*860.7*	*890.6*	*950.2*	*1039.1*	*1135.0*	*1256.0*	*1274.3*	*1235.6*	*1214.2*	*914.3*
52.5°	618.8	617.5	683.0	765.0	873.1	1034.0	1189.2	*1216.0*	1192.3	1187.1	902.0
55°	336.7	348.5	392.7	501.2	636.2	842.7	1036.9	*1095.2*	1122.5	1177.3	924.2
57.5°	123.7	128.9	156.6	233.3	336.8	524.0	792.0	*880.0*	964.5	1149.7	920.4
60°	49.9	50.8	61.9	85.8	141.5	266.7	475.1	*553.2*	632.8	880.1	706.4
62.5°	36.3	37.6	41.9	50.2	71.6	116.6	204.8	*238.2*	260.4	435.9	348.0
65°	29.3	30.3	33.8	37.6	47.3	62.7	66.1	*63.6*	63.3	112.7	79.8
67.5°	24.3	25.3	27.9	30.4	34.0	31.3	22.7	*23.8*	19.4	19.3	15.7
70°	17.8	18.9	21.5	24.3	20.4	8.4	13.1	*19.4*	14.7	12.3	12.0
72.5°	13.4	14.3	16.7	15.9	6.0	3.2	8.7	*14.1*	11.3	9.1	8.9
75°	10.0	10.5	8.4	2.6	0.6	0.8	3.2	*5.8*	6.3	5.2	5.2
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.3	*0.5*	0.6	0.8	1.0
80°	0.0	0.0	0.0	0.0	0.0	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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REPORT NUMBER: P629089
CATALOG NUMBER: GWS-SA1A-830-U-T2R-W-GRSBK

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	180.9	180.9	180.9	180.9	180.9	180.9	180.9	180.9	180.9	180.9	180.9
2.5°	184.6	177.8	168.1	160.0	153.8	147.8	143.3	138.8	138.6	136.3	135.9
5°	192.4	180.1	162.3	149.5	141.7	137.0	133.8	132.1	131.3	130.5	130.2
7.5°	203.6	185.9	161.3	147.7	141.2	138.1	135.9	134.9	134.4	133.8	133.6
10°	217.3	194.3	164.8	151.1	145.4	142.5	140.1	138.6	137.8	136.7	136.3
12.5°	233.8	204.7	170.5	156.8	150.8	146.9	143.6	141.5	140.4	138.9	138.6
15°	251.6	215.9	176.8	161.9	154.8	149.8	145.7	142.5	140.4	138.6	138.1
17.5°	270.1	227.2	182.5	165.5	156.8	150.8	144.9	140.6	138.0	135.7	135.1
20°	290.8	238.9	186.2	166.1	156.1	148.2	141.4	135.9	133.3	130.2	129.5
22.5°	312.5	249.7	187.8	164.7	152.5	143.3	136.0	130.4	126.6	123.4	122.4
25°	333.6	259.4	187.0	160.6	147.2	136.5	129.1	123.2	119.2	115.9	115.1
27.5°	355.9	267.5	184.1	154.6	139.9	129.1	121.9	116.9	113.2	109.6	108.8
30°	381.0	275.0	179.4	147.4	131.3	121.5	115.9	112.5	108.5	104.8	103.6
32.5°	411.3	281.6	172.6	138.6	123.7	114.8	111.7	109.1	104.4	100.6	99.8
35°	446.0	287.1	164.0	129.5	116.3	110.6	110.0	106.6	100.4	95.9	94.9
37.5°	486.1	292.5	153.8	120.6	110.8	108.7	108.8	103.0	95.5	90.0	89.4
40°	529.4	297.8	142.5	112.9	105.7	107.5	106.1	97.8	85.7	80.3	79.7
42.5°	574.4	303.6	131.0	105.6	101.5	103.2	101.0	87.4	78.7	75.9	75.6
45°	615.0	310.6	118.5	98.3	97.3	96.8	93.3	79.2	75.5	73.5	73.4
47.5°	644.3	309.5	105.3	91.3	92.8	91.2	80.3	75.3	72.2	69.6	69.0
50°	*639.0*	*289.7*	*91.5*	*83.6*	*87.0*	*85.5*	*72.2*	*70.8*	*68.0*	*65.3*	*64.3*
52.5°	625.4	262.8	79.5	75.3	80.6	77.2	66.7	65.3	62.8	59.3	58.1
55°	632.7	237.6	70.1	68.7	74.2	64.0	60.6	58.3	55.7	51.8	51.3
57.5°	609.2	193.8	56.4	57.3	65.6	54.6	53.1	49.6	45.2	42.6	42.3
60°	421.7	104.1	35.3	36.4	47.4	45.8	47.6	44.4	39.0	36.6	36.1
62.5°	193.7	41.8	19.3	18.5	24.9	31.1	40.8	40.5	33.8	30.0	29.6
65°	47.0	19.1	13.8	13.0	14.1	18.6	26.6	31.9	27.4	22.8	22.3
67.5°	15.2	15.5	12.6	11.8	12.5	13.9	15.9	17.7	17.5	16.0	15.7
70°	12.1	14.1	11.7	10.7	10.7	11.2	10.7	8.6	7.4	8.1	8.4
72.5°	9.1	10.7	9.2	8.3	7.9	7.8	6.6	4.9	3.4	3.1	2.9
75°	5.3	6.0	5.7	4.9	4.5	4.0	3.2	2.1	1.1	0.8	0.5
77.5°	1.0	1.1	1.3	1.0	0.8	0.6	0.5	0.2	0.0	0.0	0.0
80°	0.0	0.2	0.2	0.2	0.0	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

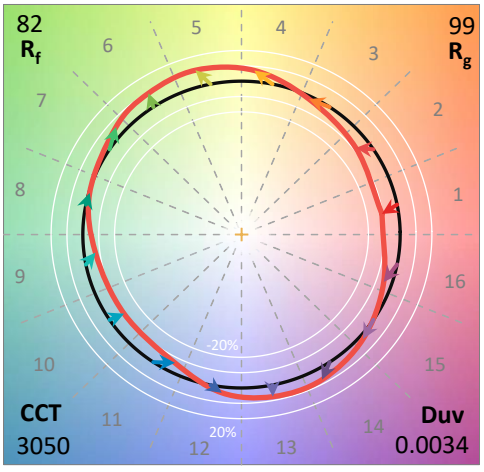
Test Information

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

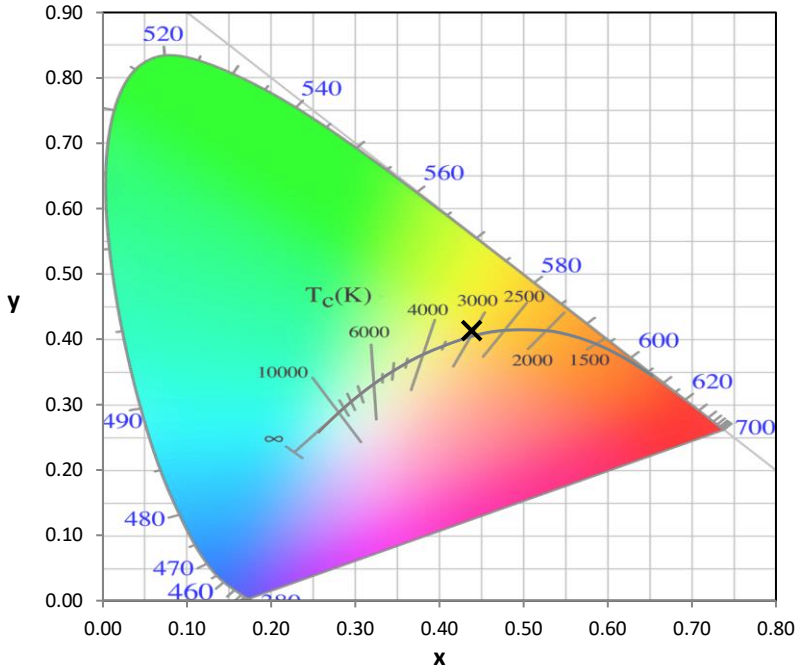
Stabilization Time:	20M
Operation Time:	1H 20M
Sphere Temperature (°C):	24.2

REPORT NUMBER: SP1-2408-195-9

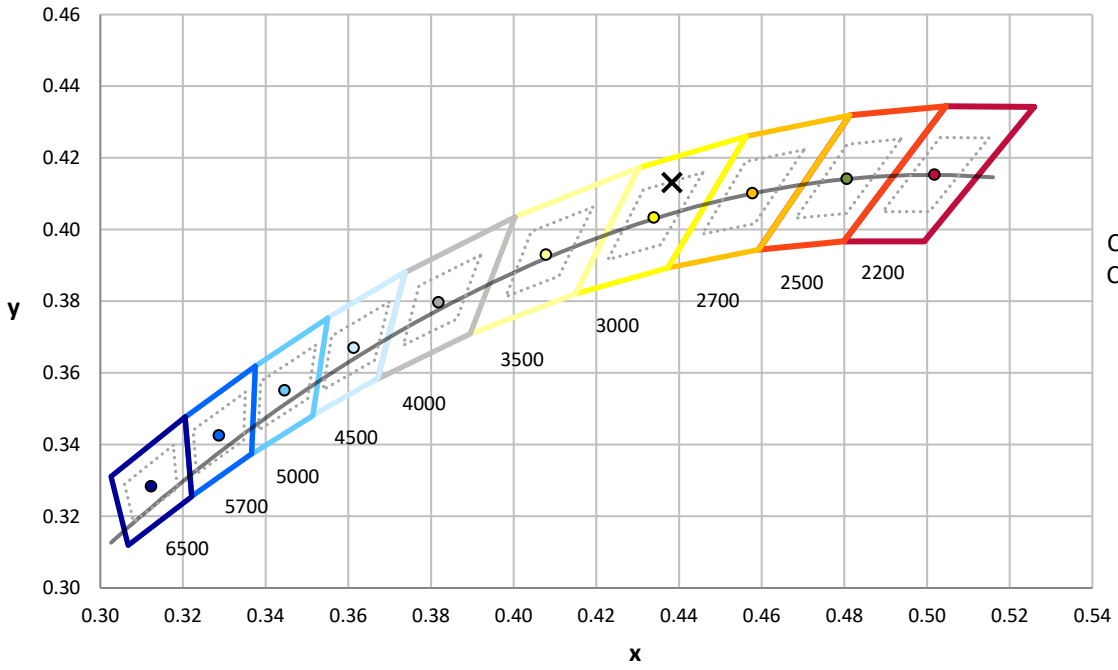
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

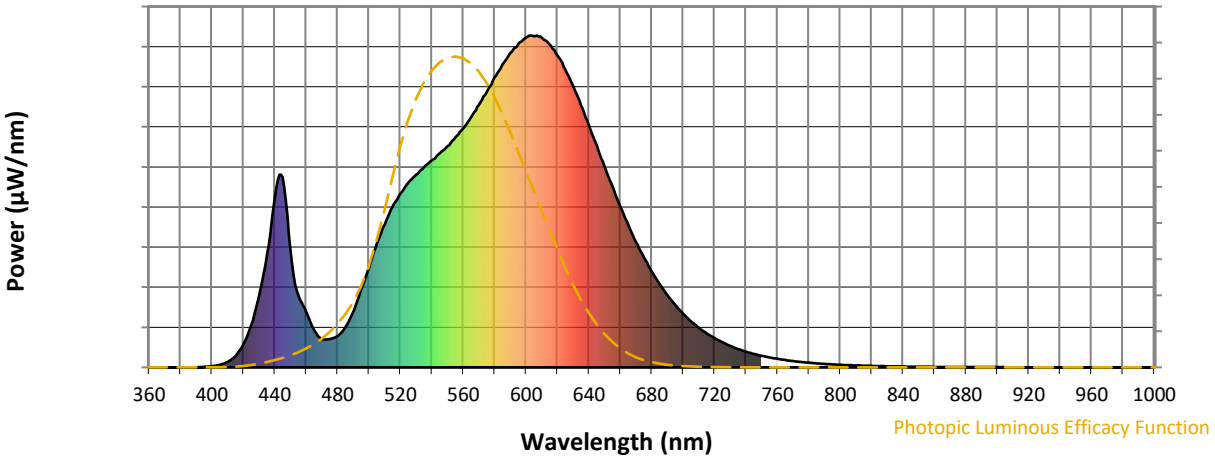


CCT = 3050K
CIE x = 0.4383
CIE y = 0.4131
Duv = 0.0034

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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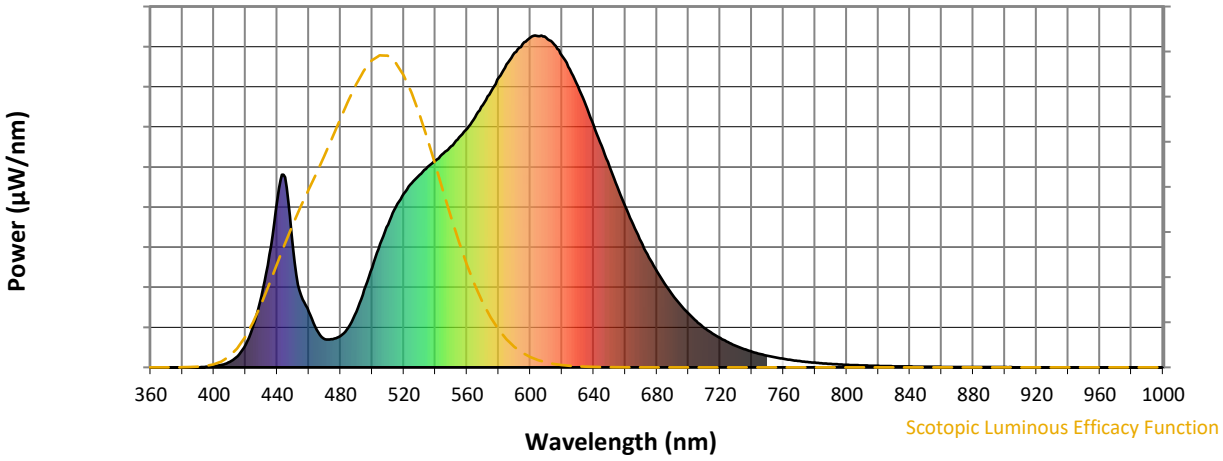
Scotopic Flux vs. Wavelength



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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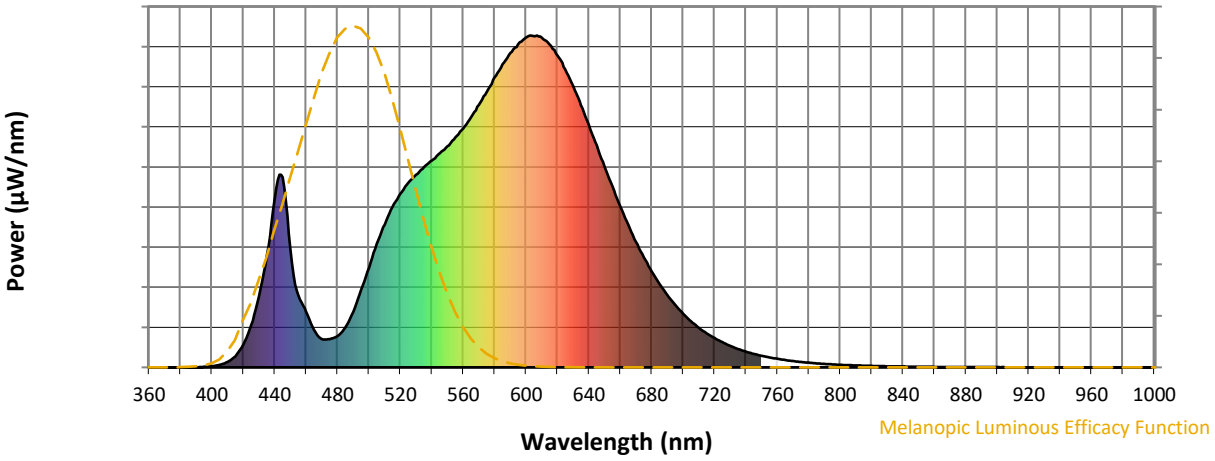
Melanopic Flux vs. Wavelength



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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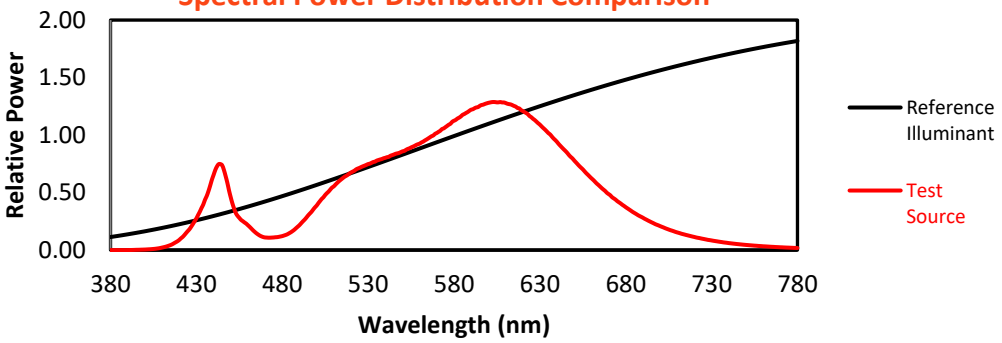
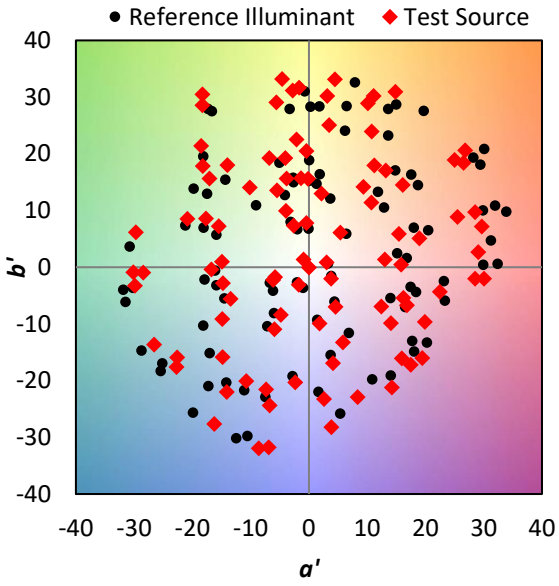
Summary

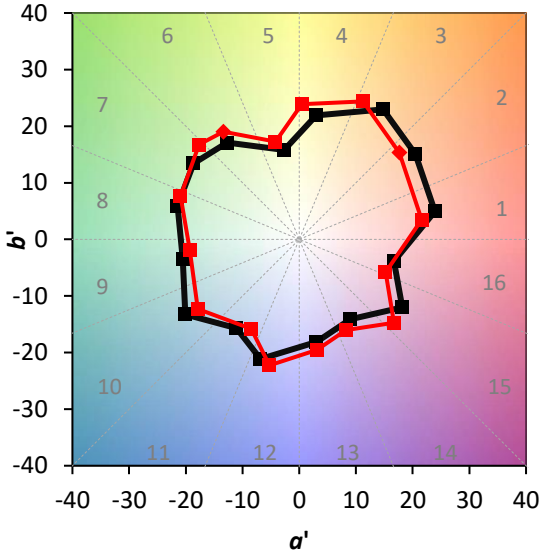
R_f = 81.5
R_g = 99.2
CIE R_a = 81.0
R_9 = 7.1

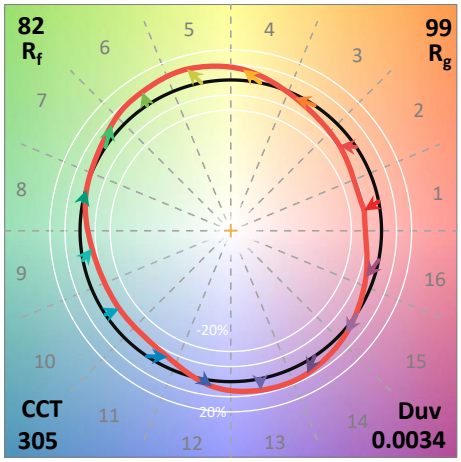
Spectral Power Distribution Comparison

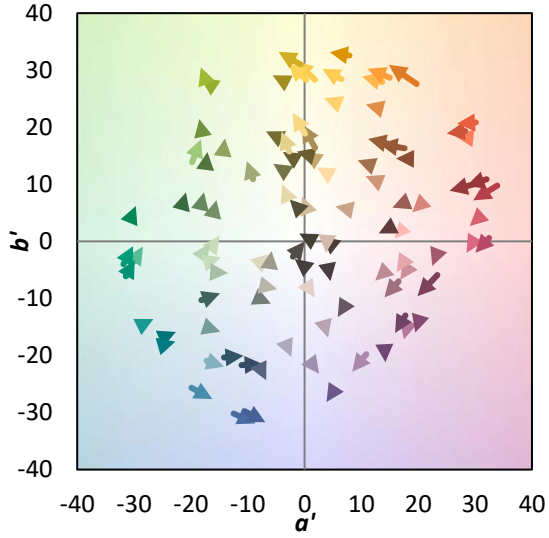


Color Vector Graphics









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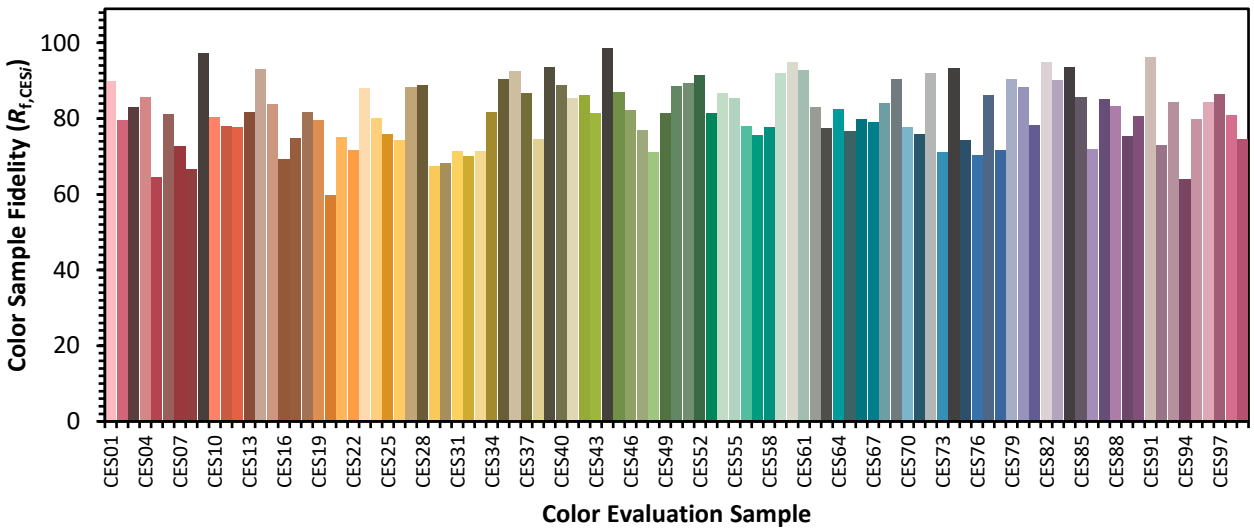
Individual Sample Fidelity Index ($R_{f,i}$)

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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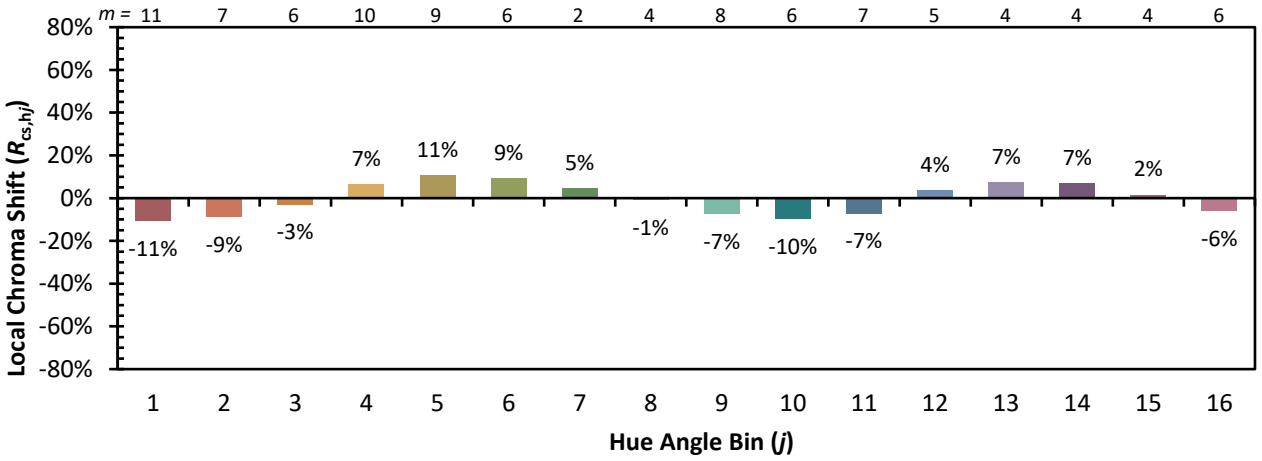
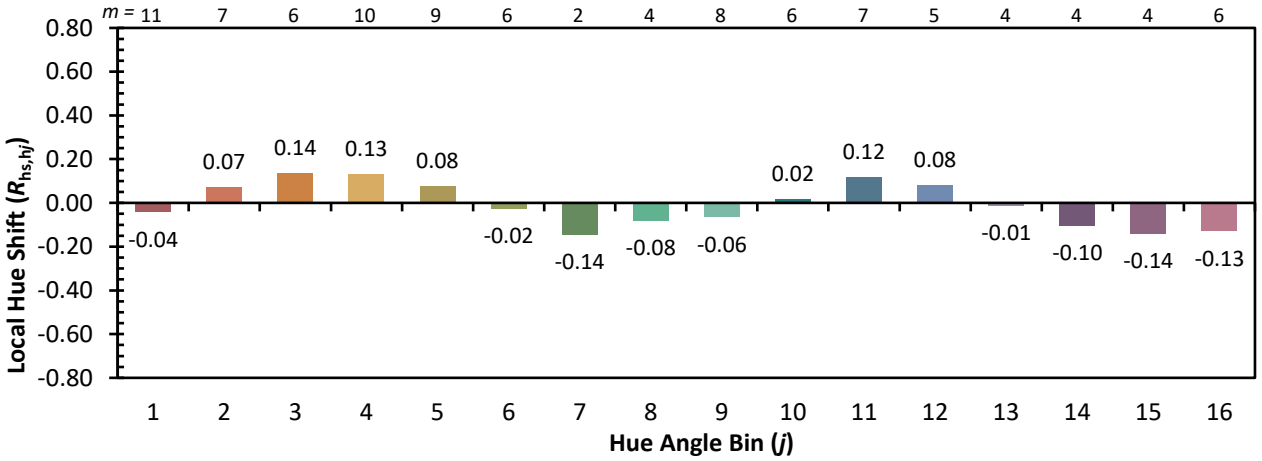
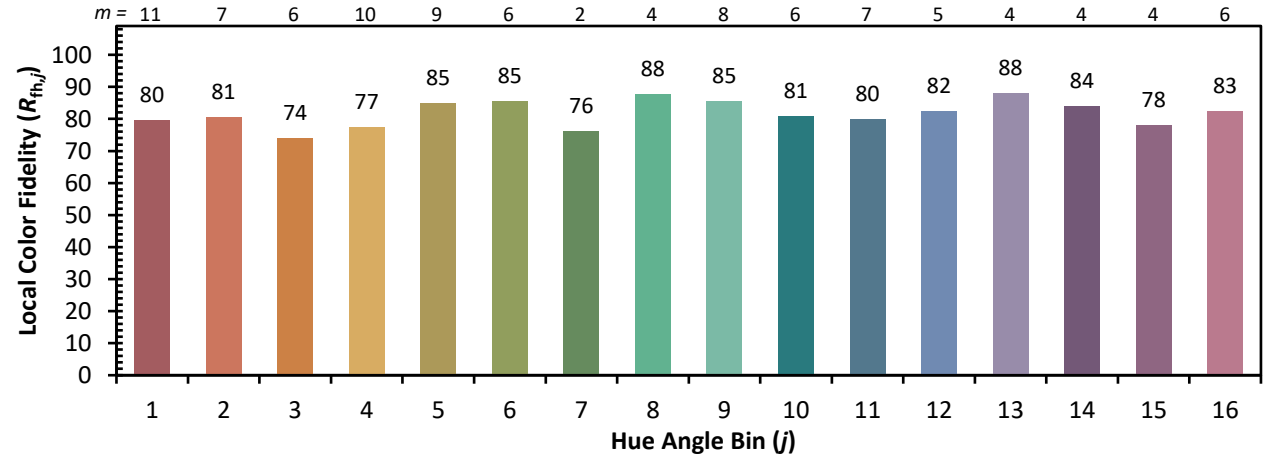
Color Rendition by Hue-Angle Bin







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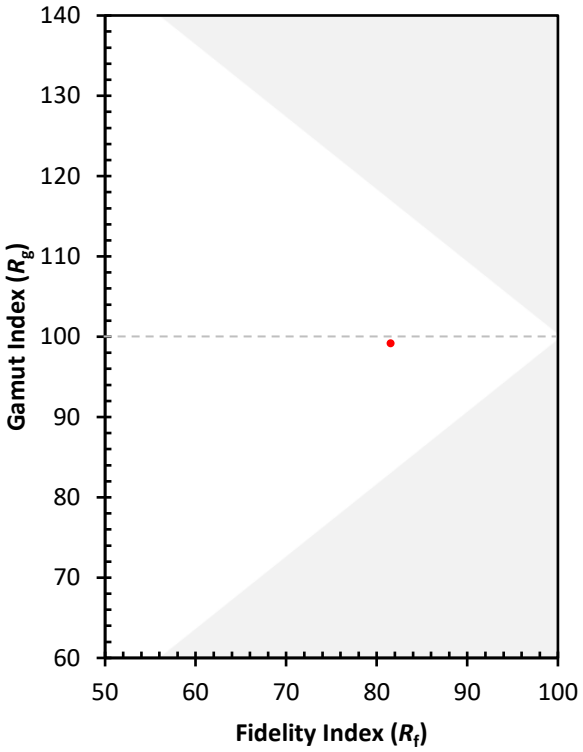
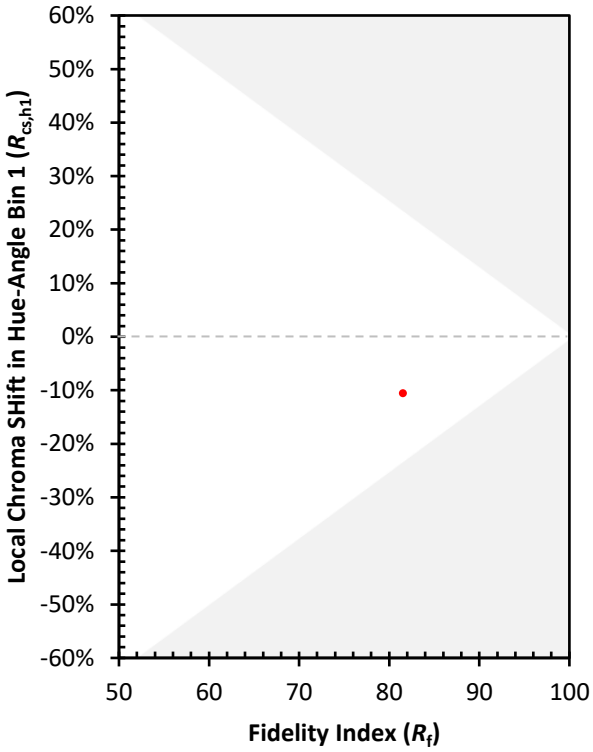
Measure Comparisons





(END OF REPORT)