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: McGRAW-EDISON

Report Number: P321126

Luminaire Tested: **GLEON-SA2C-830-U-AFL**

Issue Date: 3/3/2020

Report Generated By E0585644

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:	P321126
	TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-29)
Test Lab:	INNOVATION CENTER
Issue Date:	3/3/2020
Manufacturer:	COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line:	McGRAW-EDISON
Catalog Number:	GLEON-SA2C-830-U-AFL
Description:	GALLEON AREA AND ROADWAY LUMINAIRE
	(2) 80 CRI, 3000K, 1050mA LIGHTSQUARES WITH 16 LEDS EACH AND AUTOMOTIVE FRONTLINE OPTICS
Light Source:	-
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	11798 lumens
Efficiency:	N/A
Efficacy:	104.4 lumens/watt
Luminous Opening:	Rectangular (W 0.5' x L: 1' x H: 0')
IES Classification:	Type II - Short
BUG Rating:	B2 - U0 - G2

Input Watts (W):	113
Input Voltage (V):	NR
Input Current (Ain):	NR
Voltage Rise (V):	NR
Power Factor:	NR
Total Harmonic Distortion (THDi):	NR
Frequency (hertz):	60
Stabilization Time:	NR
Operation Time:	NR
Ambient Temperature (°C):	NR
Test Distance:	24 FT

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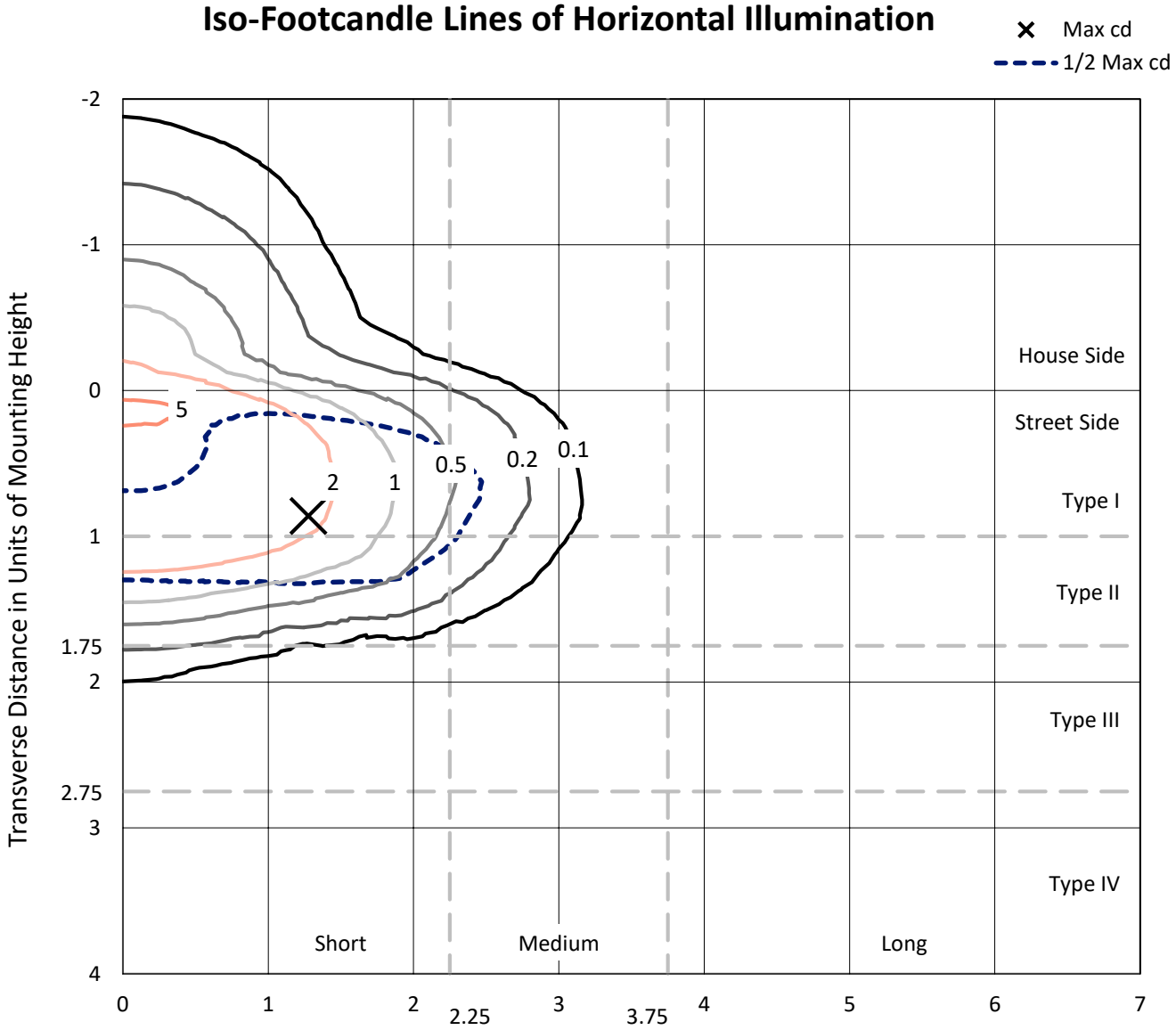
Scaled Data Report

REPORT NUMBER: P321126
CATALOG NUMBER: GLEON-SA2C-830-U-AFL

Iso-Footcandle Lines of Horizontal Illumination



Based on 25 foot mounting height. Maximum calculated value = 5.8 fc
Type II - Short - N/A

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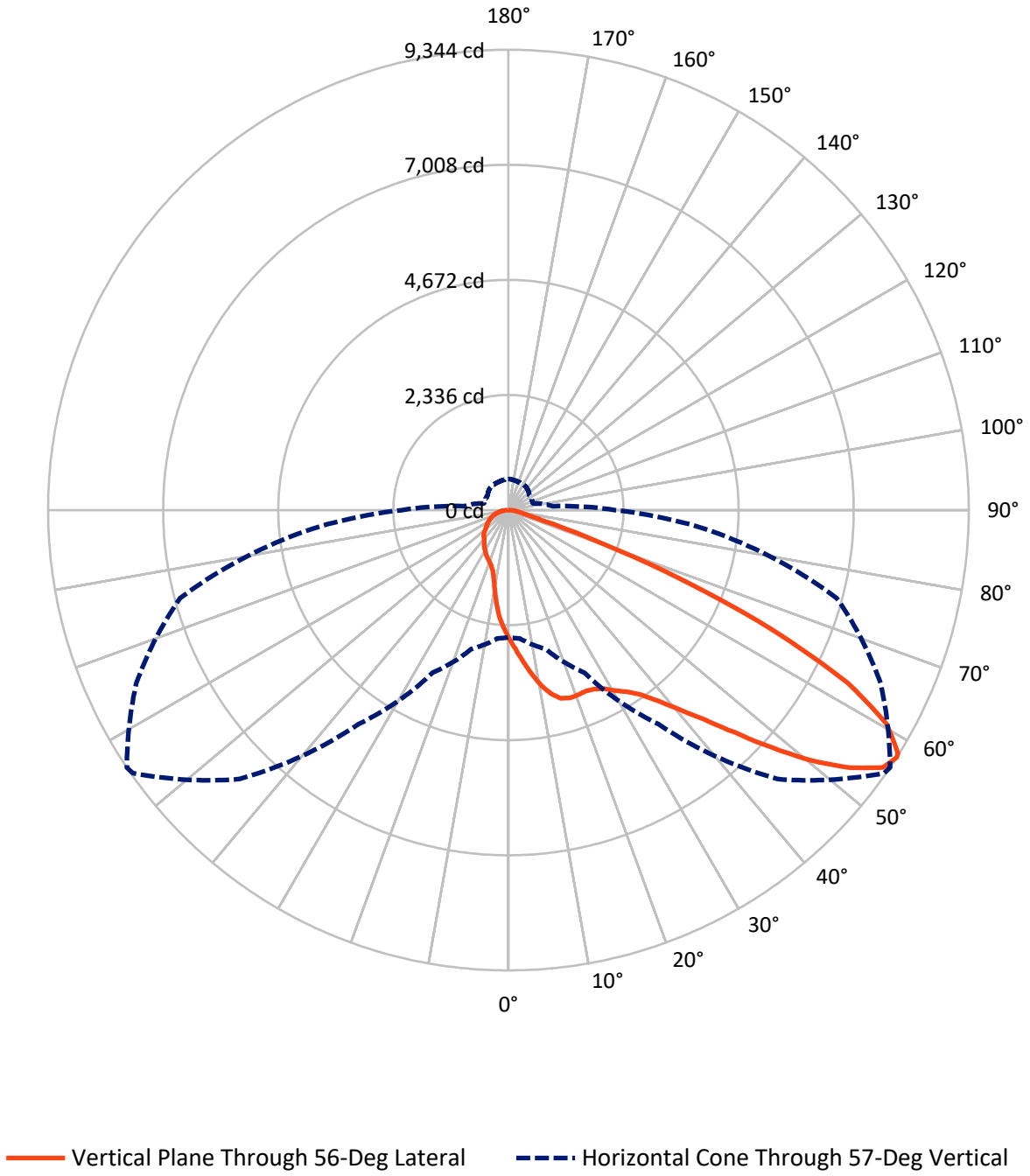
Luminous Intensity Polar Plot



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REPORT NUMBER: P321126
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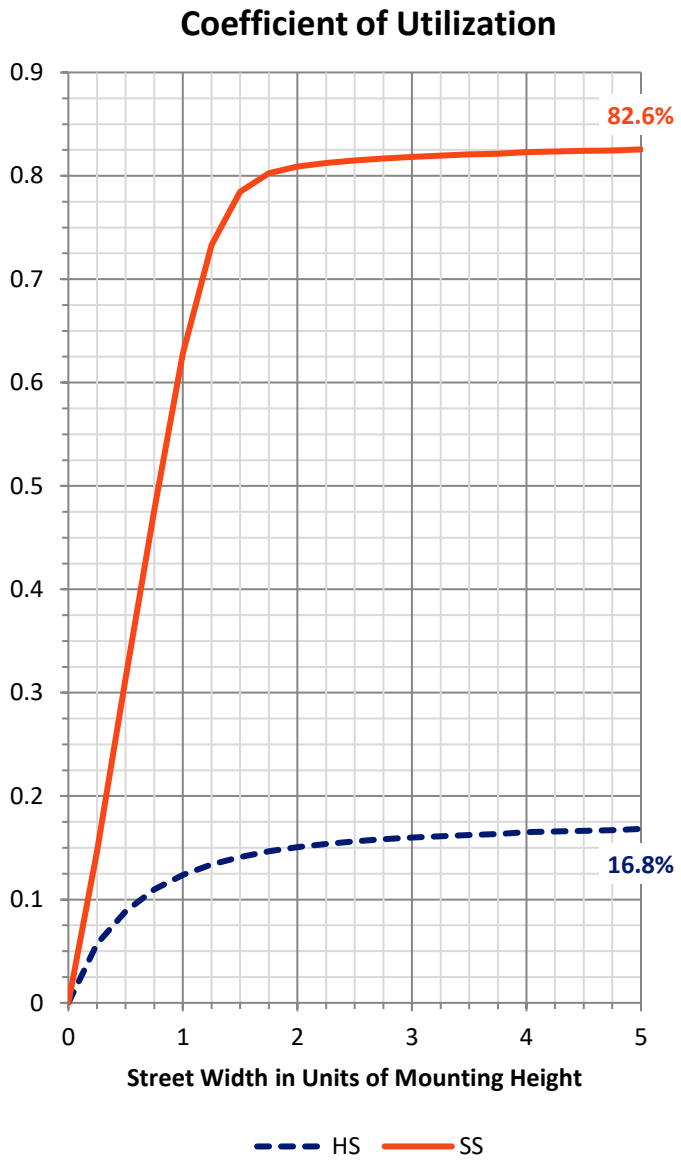
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2033.7	0.0	2033.7
	% Fixture	17.2	0.0	17.2
Street Side	Lumens	9764.3	0.0	9764.3
	% Fixture	82.8	0.0	82.8
Total	Lumens	11798.0	0.0	11798.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	250.0	2.1
10°-20°	706.7	6.0
20°-30°	1151.1	9.8
30°-40°	1720.8	14.6
40°-50°	2610.1	22.1
50°-60°	2925.4	24.8
60°-70°	1727.9	14.6
70°-80°	566.1	4.8
80°-90°	139.9	1.2
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°	11798.0	100.0
0°-180°	11798.0	100.0



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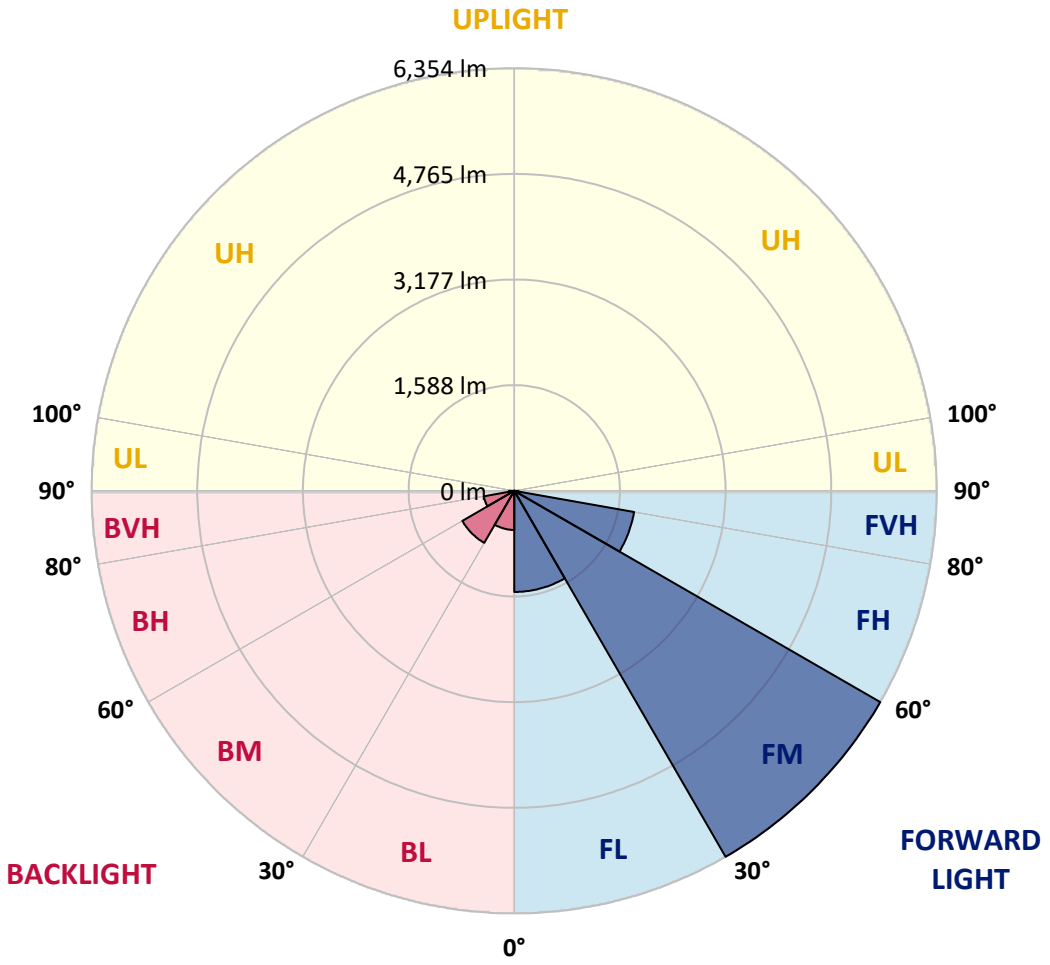
Scaled Data Report

REPORT NUMBER: P321126
CATALOG NUMBER: GLEON-SA2C-830-U-AFL

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	1519.8	12.9			
FM	(30°-60°)	6353.6	53.9			
FH	(60°-80°)	1829.3	15.5			G2/5000
FVH	(80°-90°)	61.6	0.5			G1/100
BL	(0°-30°)	588.1	5.0	B2/1000		
BM	(30°-60°)	902.7	7.7	B1/1000		
BH	(60°-80°)	464.7	3.9	B1/500		G1/500
BVH	(80°-90°)	78.3	0.7			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G2
Type II Short



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Scaled Data Report

REPORT NUMBER: P321126
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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	56°	65°	75°	85°
0°	2616.8	2616.8	2616.8	2616.8	2616.8	2616.8	2616.8	*2616.8*	2616.8	2616.8	2616.8
2.5°	3004.8	3032.4	3020.2	2978.1	2945.6	2899.8	2848.7	*2833.3*	2779.4	2719.0	2646.4
5°	3480.4	3466.6	3446.8	3381.1	3311.8	3231.1	3102.9	*3082.7*	2962.7	2826.0	2681.7
7.5°	3751.3	3750.1	3738.3	3699.8	3636.5	3531.1	3376.6	*3352.7*	3171.5	2951.7	2727.9
10°	3711.9	3709.1	3728.6	3768.7	3787.8	3765.9	3635.7	*3611.8*	3389.2	3090.8	2781.4
12.5°	3488.5	3490.2	3521.4	3605.7	3720.5	3858.3	3837.2	*3825.5*	3615.0	3248.1	2846.3
15°	3314.6	3318.2	3343.0	3416.4	3551.8	3802.0	3959.7	*3963.7*	3833.6	3421.6	2922.1
17.5°	3238.4	3246.1	3257.4	3308.9	3433.0	3689.6	3988.9	*4010.8*	4025.0	3601.7	2995.1
20°	3262.7	3270.0	3273.2	3306.1	3407.9	3621.5	3968.6	*4007.9*	4171.7	3771.1	3068.1
22.5°	3371.8	3376.2	3378.3	3386.8	3465.8	3641.0	3955.2	*3996.6*	4278.0	3923.2	3123.2
25°	3552.6	3549.4	3536.4	3525.4	3578.5	3718.0	3986.0	*4025.4*	4364.3	4061.0	3159.3
27.5°	3769.1	3765.1	3739.9	3709.9	3740.3	3838.0	4074.8	*4106.0*	4441.8	4190.0	3177.6
30°	4029.0	4018.5	3971.0	3935.3	3947.1	4018.1	4221.2	*4249.6*	4561.4	4336.3	3195.4
32.5°	4329.4	4318.1	4249.6	4190.4	4190.4	4249.6	4372.0	*4395.5*	4662.7	4501.8	3224.2
35°	4705.7	4691.5	4602.3	4503.0	4475.0	4505.0	4577.6	*4594.2*	4845.2	4710.2	3276.5
37.5°	5149.3	5130.2	5014.7	4881.7	4820.5	4818.8	4871.1	*4905.2*	5136.7	4983.9	3365.3
40°	5594.1	5580.7	5479.7	5375.1	5255.1	5216.6	5297.3	*5307.8*	5517.8	5323.6	3478.8
42.5°	5937.9	5935.5	5916.8	5930.6	5807.7	5729.9	5793.1	*5801.7*	5983.3	5691.4	3599.6
45°	6119.5	6123.6	6214.0	6414.3	6459.7	6402.9	6434.2	*6436.6*	6515.3	6062.4	3710.3
47.5°	5974.0	5995.1	6223.7	6671.8	7043.6	7232.1	7180.2	*7210.2*	7031.0	6381.1	3797.1
50°	5406.7	5432.7	5821.9	6557.0	7316.0	8034.5	8007.3	*8000.4*	7447.0	6614.6	3844.1
52.5°	4704.1	4724.4	5045.5	5960.6	7116.1	8478.1	8727.4	*8691.7*	7816.8	6789.3	3853.0
55°	3634.1	3665.7	3973.5	4770.2	6307.7	8308.6	9256.9	*9224.9*	8153.7	6881.0	3842.5
57°	*2583.6*	*2616.8*	*2922.5*	*3640.6*	*5306.2*	*7721.9*	*9309.7*	*9343.7*	*8335.8*	*6896.4*	*3854.3*
57.5°	2305.4	2339.5	2642.4	3339.7	4994.0	7509.8	9264.2	*9321.0*	8368.6	6894.0	3860.7
60°	1160.8	1173.8	1366.8	1864.3	3156.9	6071.3	8671.9	*8818.2*	8398.2	6774.7	3888.7
62.5°	721.7	712.4	706.3	858.8	1535.9	4026.2	7449.4	*7731.2*	7831.8	6486.1	3821.0
65°	634.5	617.1	550.2	538.0	678.3	1955.5	5609.9	*5960.6*	6621.5	6031.1	3659.6
67.5°	596.0	579.0	503.6	458.2	458.6	775.2	3482.9	*3877.8*	5158.2	5262.0	3278.9
70°	556.3	540.9	470.3	416.8	390.5	429.4	1602.4	*1902.0*	3362.4	4136.0	2740.5
72.5°	505.2	494.7	427.8	372.6	344.6	321.5	613.5	*724.5*	1946.6	2777.8	1903.2
75°	451.7	441.9	384.8	332.1	298.0	253.0	345.4	*372.2*	988.9	1421.1	937.0
77.5°	392.9	387.2	342.2	293.5	266.4	209.6	244.5	*257.5*	424.1	609.4	469.9
80°	312.6	323.6	299.2	261.5	236.4	167.9	173.1	*181.6*	246.9	297.6	266.8
82.5°	203.5	222.6	234.4	212.5	194.6	132.2	124.5	*128.1*	161.0	181.6	116.0
85°	84.7	95.3	154.1	139.1	129.3	96.5	83.5	*85.1*	99.7	103.4	47.4
87.5°	37.7	40.1	67.7	63.7	54.7	33.2	35.7	*38.9*	53.1	50.3	18.2
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: GLEON-SA2C-830-U-AFL

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	2616.8	2616.8	2616.8	2616.8	2616.8	2616.8	2616.8	2616.8	2616.8	2616.8	2616.8
2.5°	2619.2	2585.2	2526.8	2462.3	2409.6	2367.5	2324.9	2295.7	2261.6	2243.4	2234.1
5°	2621.3	2554.4	2431.5	2305.4	2192.7	2089.7	1991.6	1916.2	1845.6	1807.5	1797.0
7.5°	2629.8	2529.2	2330.6	2123.0	1922.7	1739.8	1598.7	1510.3	1446.7	1418.3	1410.2
10°	2636.7	2499.6	2205.7	1898.3	1625.9	1440.6	1331.1	1281.6	1259.7	1256.1	1252.5
12.5°	2652.9	2469.2	2074.3	1664.0	1395.2	1267.0	1228.9	1225.7	1231.8	1240.7	1240.7
15°	2678.4	2439.2	1924.3	1462.9	1248.4	1203.4	1211.1	1228.9	1245.6	1259.3	1261.4
17.5°	2697.1	2402.3	1762.9	1301.9	1170.1	1182.3	1209.9	1235.0	1252.0	1265.4	1266.6
20°	2710.5	2345.2	1590.6	1179.1	1125.1	1162.8	1197.3	1219.6	1231.4	1244.7	1246.8
22.5°	2703.6	2268.5	1437.7	1091.1	1088.6	1134.5	1167.3	1194.1	1185.1	1172.2	1180.7
25°	2670.3	2163.1	1280.4	1025.4	1050.1	1096.4	1136.9	1119.1	1089.1	1083.4	1086.6
27.5°	2611.1	2028.5	1134.9	964.6	1005.5	1061.1	1058.6	1040.8	1030.3	1023.0	1027.4
30°	2547.5	1882.5	1007.6	911.5	956.1	1001.9	992.6	992.1	981.6	969.8	975.5
32.5°	2484.6	1735.8	906.6	867.7	918.8	924.8	945.1	951.2	930.5	905.8	904.2
35°	2429.9	1597.1	830.0	827.9	873.8	874.6	904.2	895.7	844.2	818.6	818.6
37.5°	2388.9	1458.8	771.6	792.3	814.6	835.6	850.6	815.4	806.9	792.7	792.3
40°	2371.1	1337.2	735.1	765.1	772.8	799.6	761.0	774.8	778.9	771.6	771.6
42.5°	2352.5	1231.4	703.5	744.4	743.2	739.6	720.1	737.9	754.1	754.6	753.3
45°	2333.8	1140.1	675.5	700.2	717.3	677.9	681.6	700.6	723.3	731.4	731.4
47.5°	2313.1	1068.0	649.9	653.6	679.9	653.6	650.8	665.4	692.1	705.1	707.9
50°	2267.7	1003.1	620.8	612.6	619.9	628.9	631.3	638.2	667.8	688.5	693.3
52.5°	2204.9	945.1	583.4	574.9	574.9	608.6	619.9	622.0	647.1	671.8	676.7
55°	2152.6	908.2	544.9	543.3	541.7	587.1	606.6	609.8	627.2	646.7	649.1
57°	*2156.2*	*905.4*	*515.3*	*517.0*	*516.5*	*565.2*	*594.0*	*600.9*	*609.8*	*626.4*	*629.3*
57.5°	2158.2	907.4	508.8	509.7	509.3	559.1	590.3	598.0	604.9	622.4	625.2
60°	2188.6	912.7	482.5	473.6	475.6	526.7	569.7	579.4	583.9	607.0	610.6
62.5°	2143.6	889.2	461.4	439.9	439.9	492.6	540.9	556.3	563.2	594.4	600.5
65°	2013.1	823.1	436.7	401.8	405.9	458.6	506.4	531.6	542.1	581.0	587.5
67.5°	1811.6	746.4	410.3	367.7	371.8	422.9	470.7	497.9	514.5	566.4	571.7
70°	1549.2	652.8	374.6	331.7	336.5	384.0	428.6	459.4	484.1	552.6	554.3
72.5°	1142.2	535.2	324.8	291.9	297.2	338.6	386.0	421.7	454.9	518.2	517.4
75°	679.1	418.4	269.6	251.8	255.4	294.0	347.5	390.9	440.7	504.8	512.5
77.5°	411.9	315.0	219.8	210.8	215.3	254.6	319.9	366.1	434.6	476.0	473.6
80°	248.9	225.0	175.6	169.9	174.3	217.7	296.0	347.5	379.9	406.7	406.7
82.5°	130.2	137.4	128.9	124.5	130.6	176.8	269.2	303.3	335.7	288.3	269.2
85°	53.1	71.8	78.3	77.8	81.5	122.4	232.3	259.5	216.5	205.6	210.4
87.5°	17.8	30.4	38.1	32.8	34.5	77.0	161.0	125.3	148.8	103.8	98.5
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

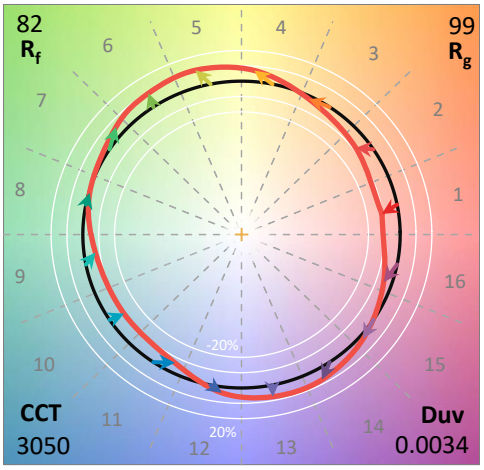
Test Information

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

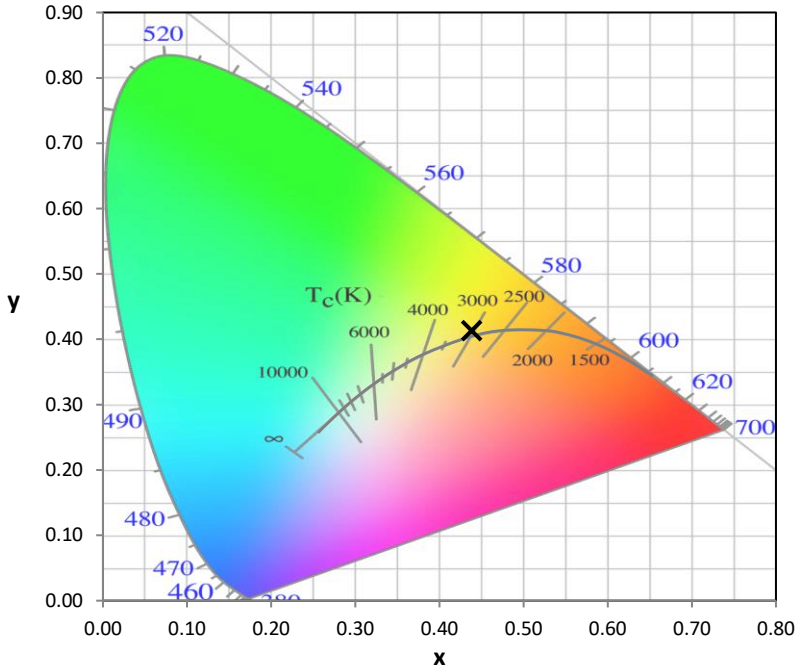
Stabilization Time:	20M
Operation Time:	1H 20M
Sphere Temperature (°C):	24.2

REPORT NUMBER: SP1-2408-195-9

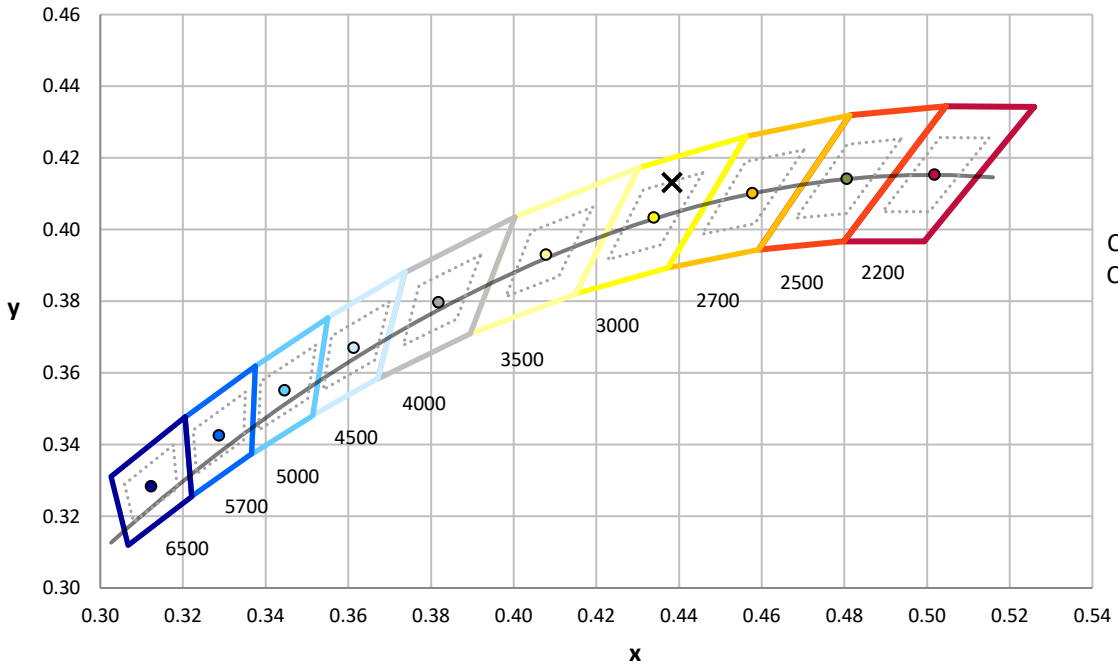
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

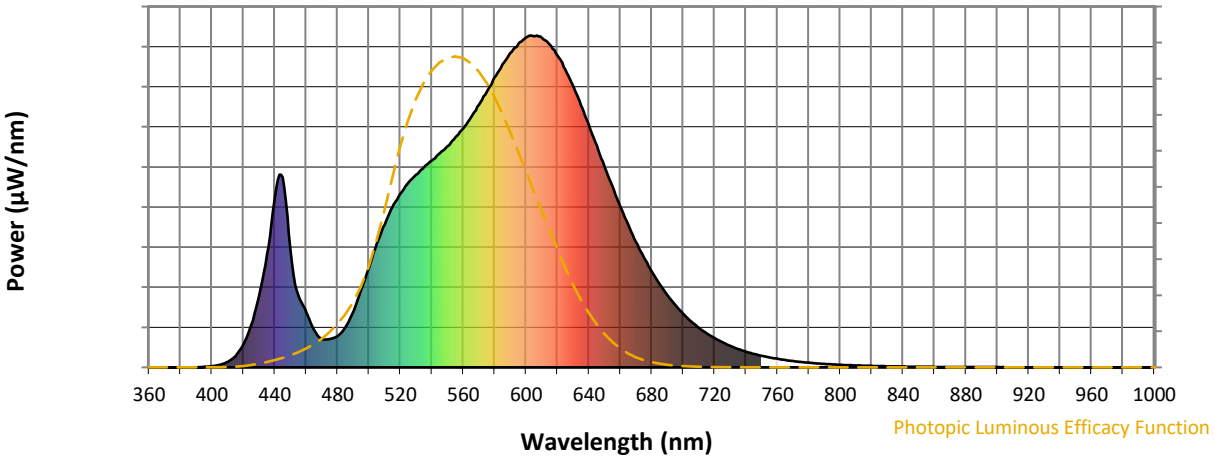


CCT = 3050K
CIE x = 0.4383
CIE y = 0.4131
Duv = 0.0034

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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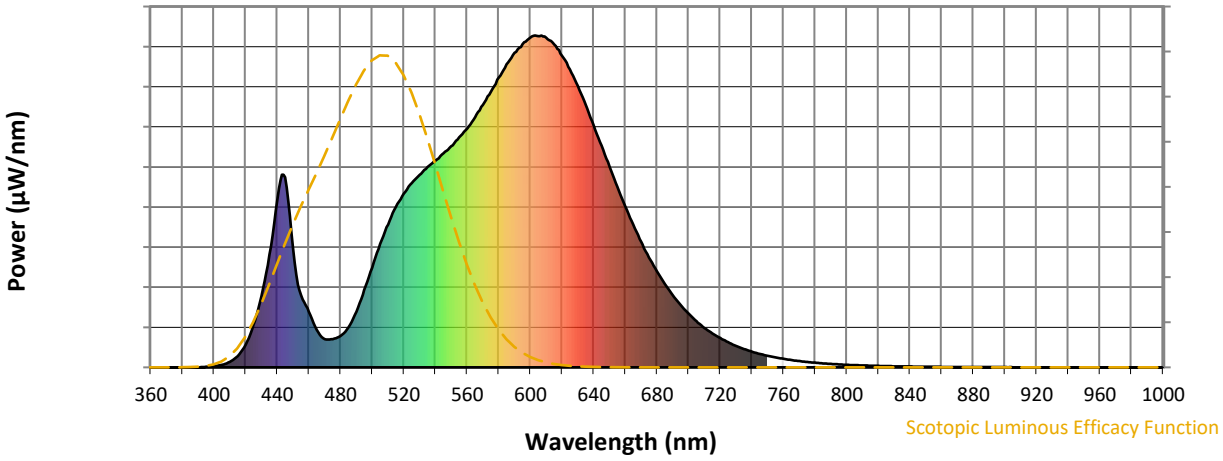
Scotopic Flux vs. Wavelength



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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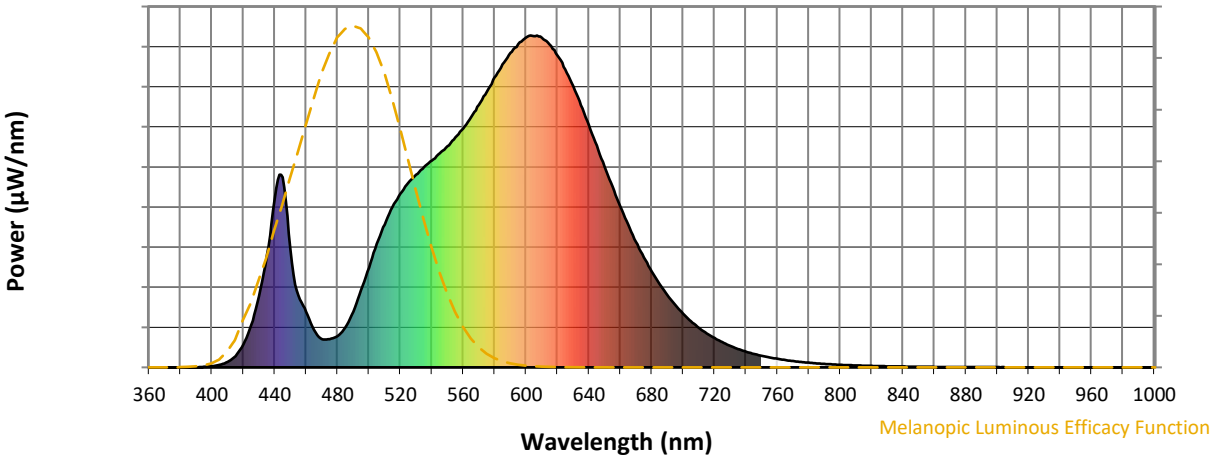
Melanopic Flux vs. Wavelength



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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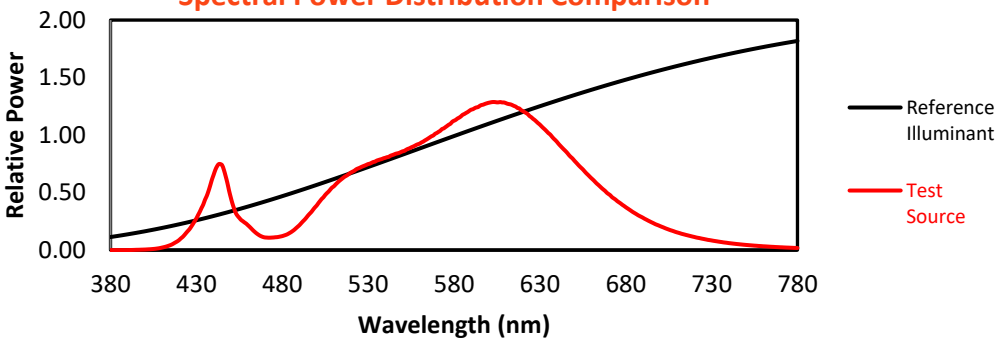
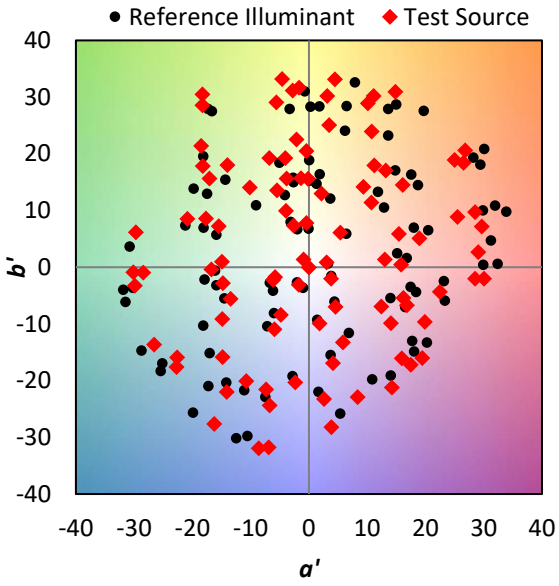
Summary

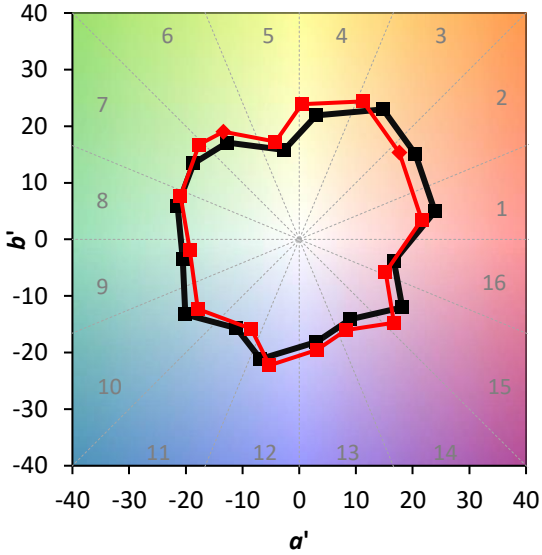
R_f = 81.5
R_g = 99.2
CIE R_a = 81.0
R_9 = 7.1

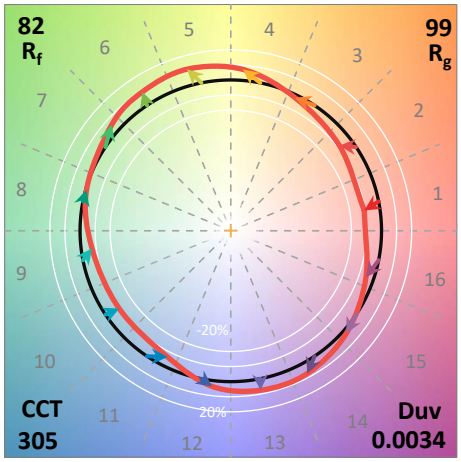
Spectral Power Distribution Comparison

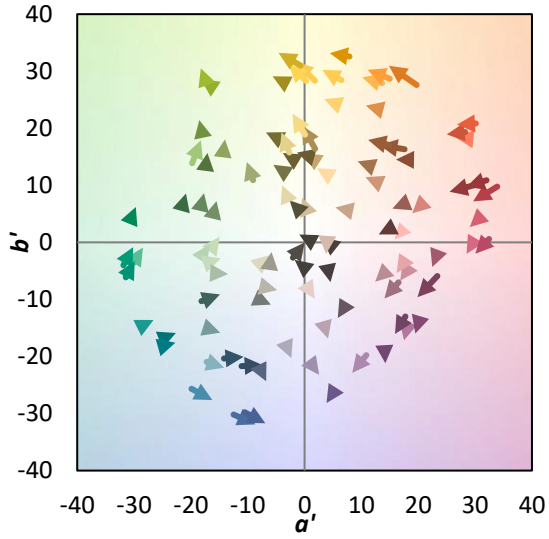


Color Vector Graphics









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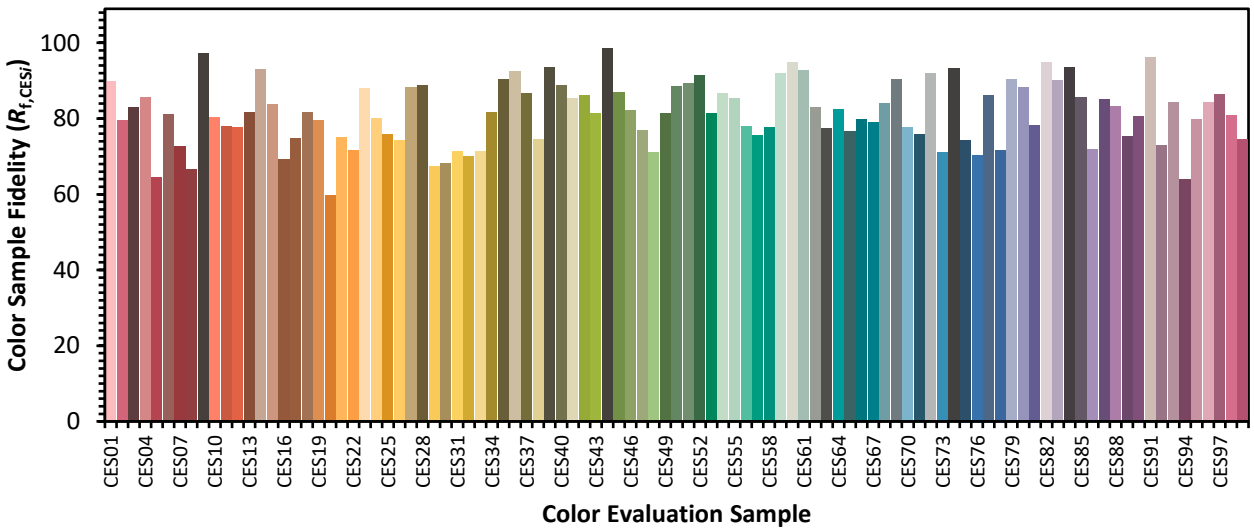
Individual Sample Fidelity Index ($R_{f,i}$)

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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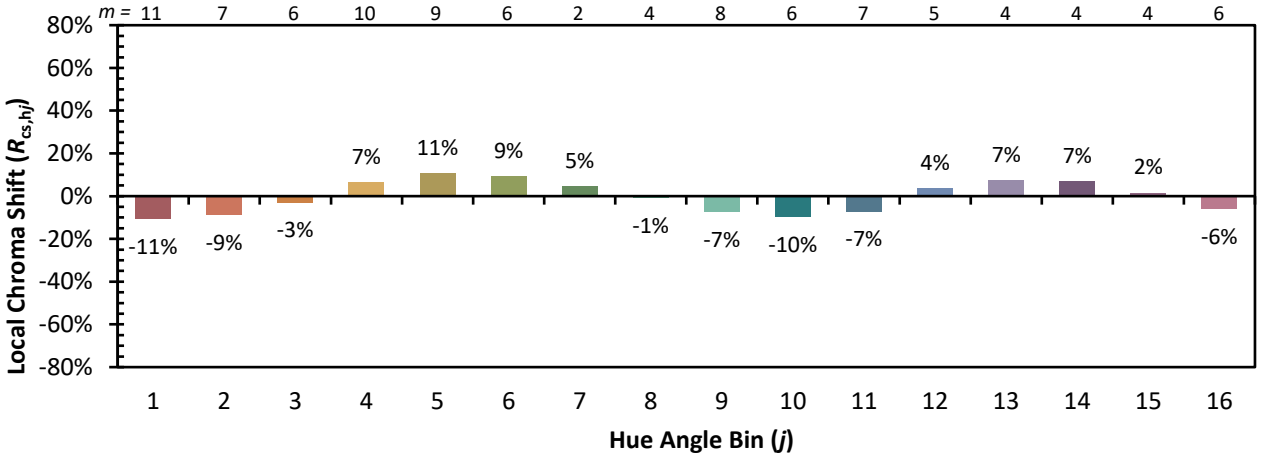
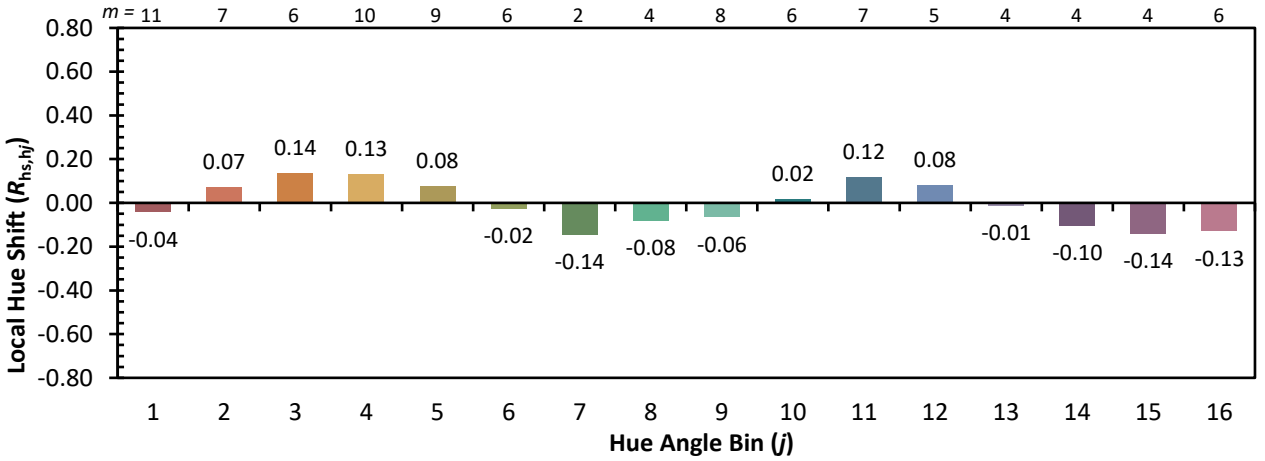
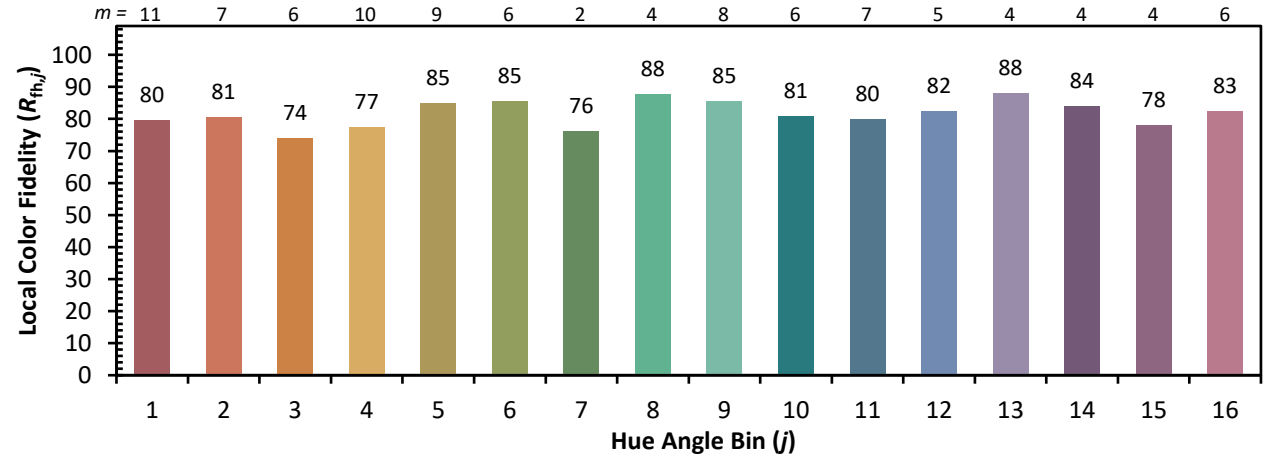
Color Rendition by Hue-Angle Bin







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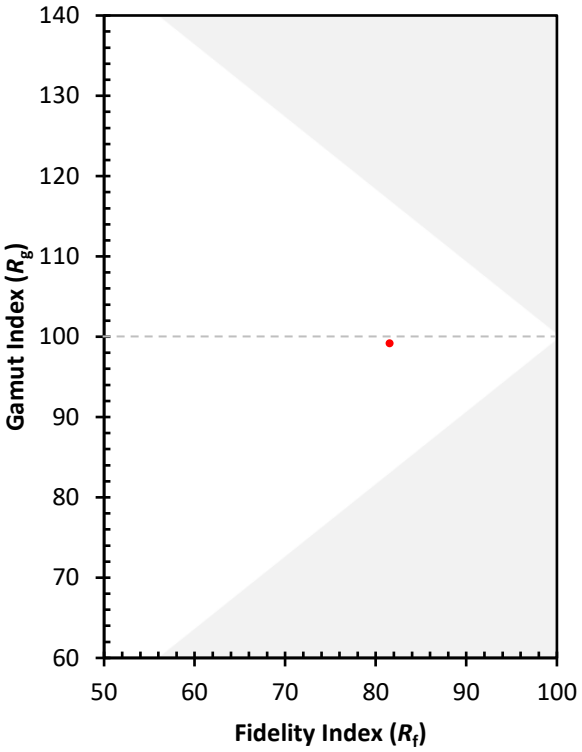
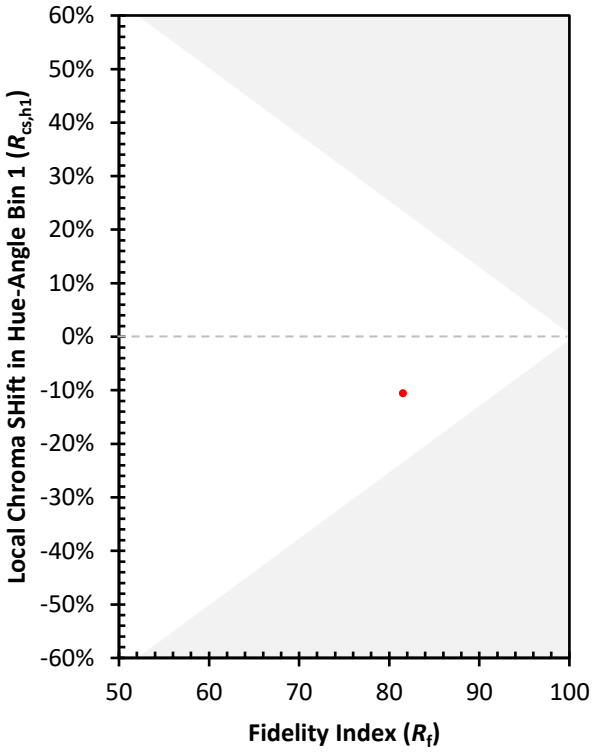
Measure Comparisons





(END OF REPORT)