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: P317596

Luminaire Tested: **GLEON-SA2B-830-U-T2R**

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:	P317596
	TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-8)
Test Lab:	INNOVATION CENTER
Issue Date:	3/3/2020
Manufacturer:	COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line:	McGRAW-EDISON
Catalog Number:	GLEON-SA2B-830-U-T2R
Description:	GALLEON AREA AND ROADWAY LUMINAIRE
	(2) 80 CRI, 3000K, 800mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II ROADWAY OPTICS
Light Source:	-
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	9680 lumens
Efficiency:	N/A
Efficacy:	113.9 lumens/watt
Luminous Opening:	Rectangular (W 0.5' x L: 1' x H: 0')
IES Classification:	Type II - Short
BUG Rating:	B1 - U0 - G2

Input Watts (W):	85
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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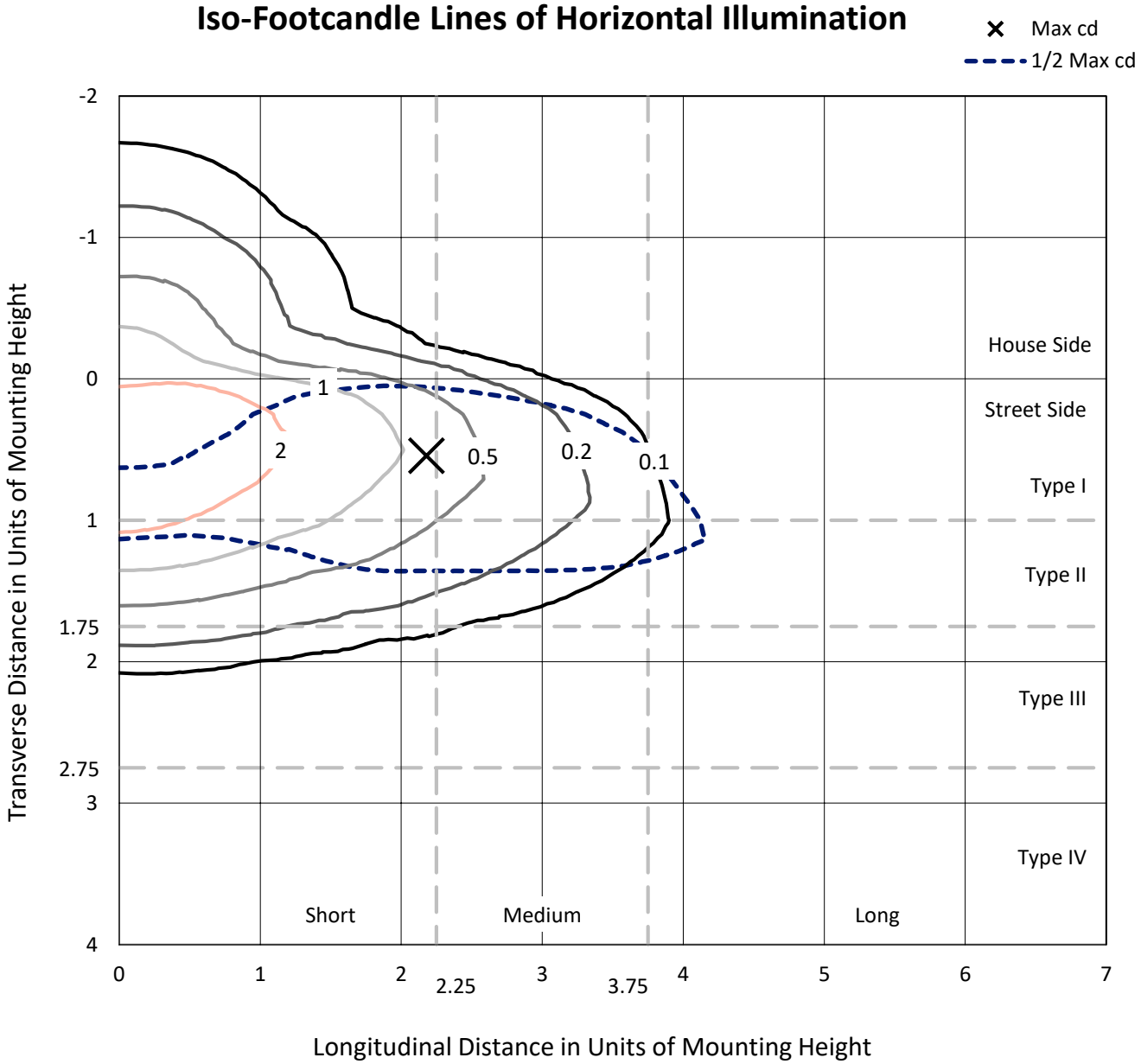
Scaled Data Report

REPORT NUMBER: P317596
CATALOG NUMBER: GLEON-SA2B-830-U-T2R

Iso-Footcandle Lines of Horizontal Illumination



Based on 25 foot mounting height. Maximum calculated value = 3.8 fc
Type II - Short - N/A

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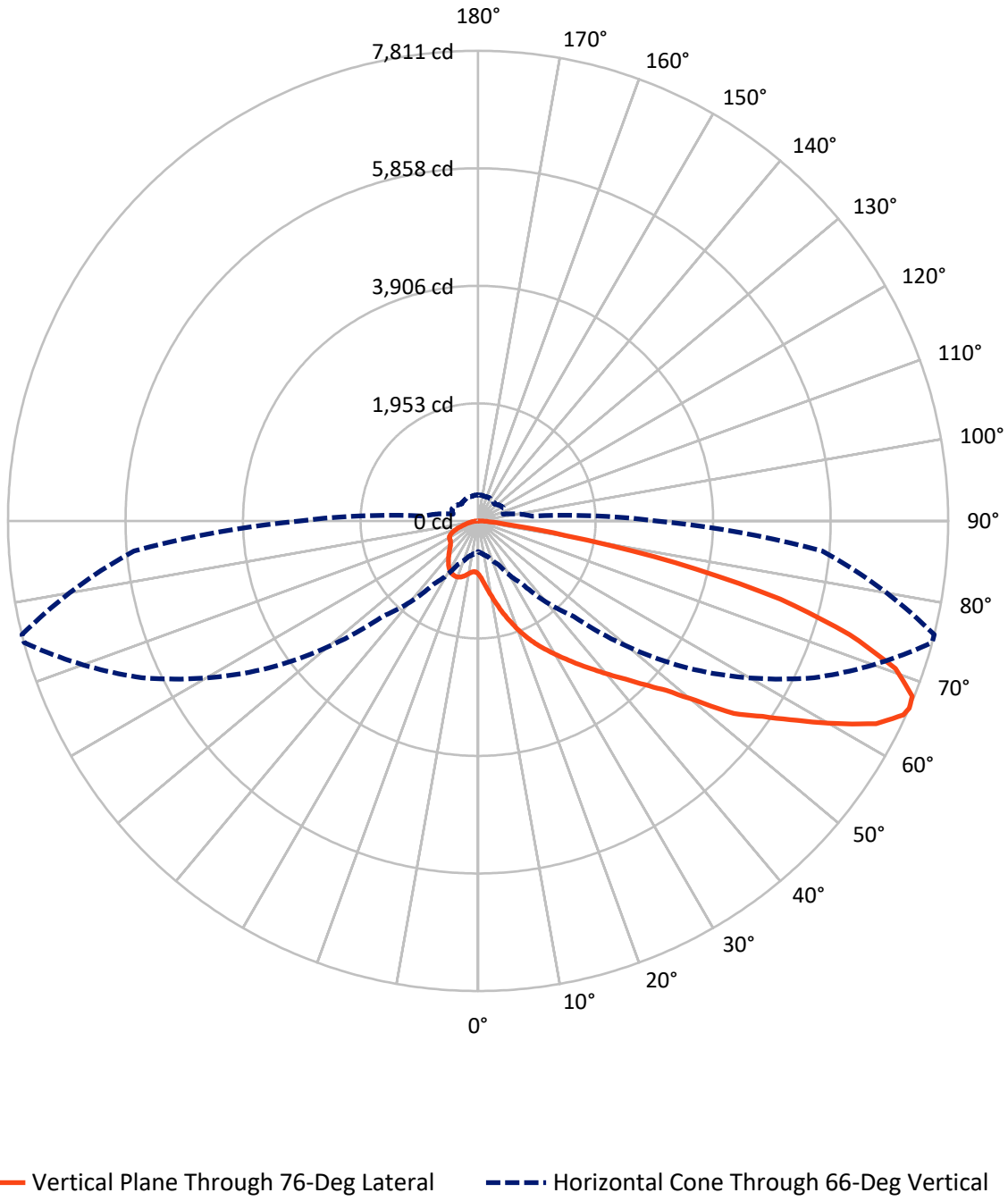
Luminous Intensity Polar Plot



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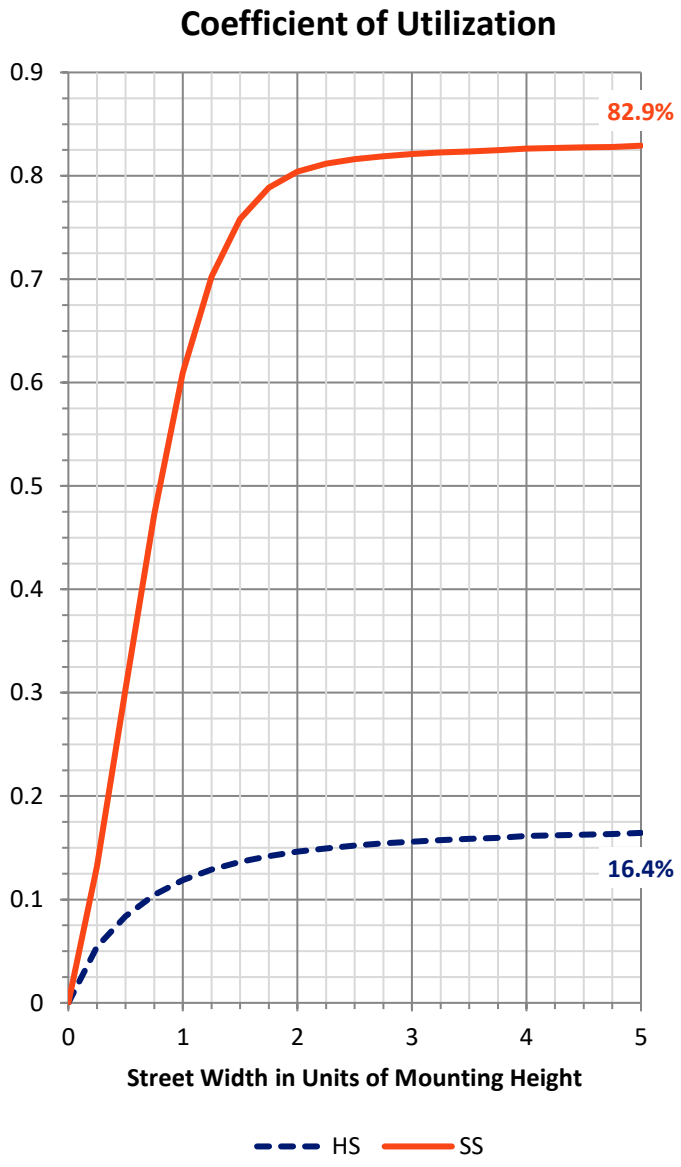
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1628.8	0.0	1628.8
	% Fixture	16.8	0.0	16.8
Street Side	Lumens	8051.2	0.0	8051.2
	% Fixture	83.2	0.0	83.2
Total	Lumens	9680.0	0.0	9680.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	106.9	1.1
10°-20°	422.1	4.4
20°-30°	820.3	8.5
30°-40°	1338.9	13.8
40°-50°	1829.3	18.9
50°-60°	2130.8	22.0
60°-70°	1910.3	19.7
70°-80°	965.4	10.0
80°-90°	155.9	1.6
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°	9680.0	100.0
0°-180°	9680.0	100.0



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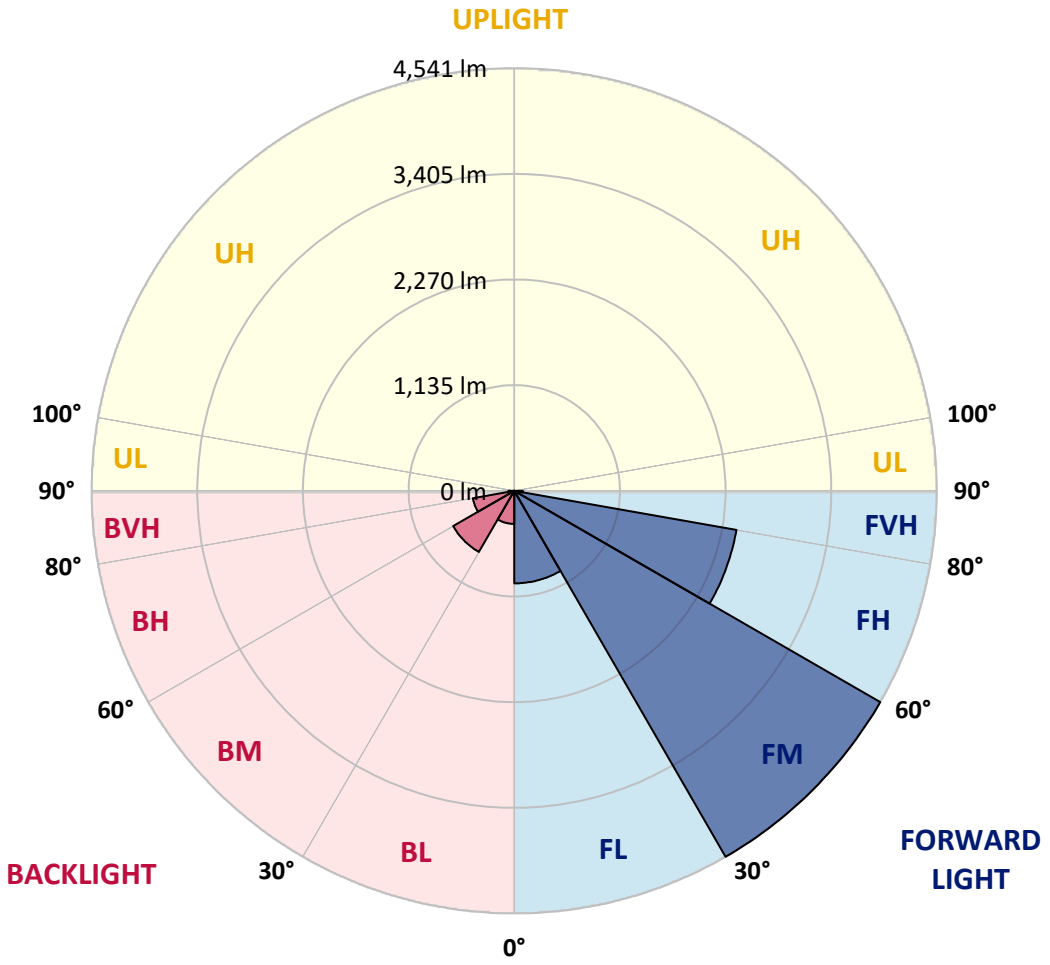
REPORT NUMBER: P317596
CATALOG NUMBER: GLEON-SA2B-830-U-T2R

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	994.1	10.3			
FM	(30°-60°)	4540.6	46.9			
FH	(60°-80°)	2424.4	25.0			G2/5000
FVH	(80°-90°)	92.1	1.0			G1/100
BL	(0°-30°)	355.3	3.7	B1/500		
BM	(30°-60°)	758.5	7.8	B1/1000		
BH	(60°-80°)	451.3	4.7	B1/500		G1/500
BVH	(80°-90°)	63.8	0.7			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G2
Type II Short



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Scaled Data Report

REPORT NUMBER: P317596
CATALOG NUMBER: GLEON-SA2B-830-U-T2R

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	76°	85°
0°	884.0	884.0	884.0	884.0	884.0	884.0	884.0	884.0	884.0	*884.0*	884.0
2.5°	1173.5	1155.8	1154.1	1128.2	1122.3	1072.6	1036.2	998.0	954.7	*946.1*	911.9
5°	1507.4	1505.8	1483.1	1440.7	1407.5	1322.7	1238.9	1150.2	1052.9	*1037.1*	960.2
7.5°	1807.8	1805.1	1787.7	1742.0	1694.1	1589.9	1470.3	1334.2	1176.5	*1153.1*	1025.6
10°	2035.8	2034.8	2028.9	1995.4	1954.7	1854.8	1722.7	1537.0	1320.1	*1288.2*	1107.5
12.5°	2212.0	2213.9	2217.9	2206.1	2186.7	2101.6	1966.2	1751.9	1473.2	*1441.7*	1198.5
15°	2331.3	2337.2	2357.6	2374.3	2384.5	2332.3	2201.1	1971.8	1644.8	*1607.0*	1299.4
17.5°	2391.4	2398.0	2433.1	2483.8	2530.4	2525.2	2421.0	2181.4	1809.4	*1772.9*	1407.8
20°	2443.3	2448.3	2487.7	2548.5	2631.0	2667.5	2609.0	2383.2	1989.8	*1946.4*	1522.9
22.5°	2593.8	2600.1	2611.9	2646.4	2719.4	2786.4	2758.2	2574.1	2155.1	*2114.7*	1632.0
25°	2884.3	2891.9	2866.3	2837.0	2850.8	2897.5	2902.7	2748.3	2322.7	*2277.0*	1749.3
27.5°	3234.3	3245.2	3201.5	3126.2	3060.5	3042.4	3036.2	2890.9	2482.8	*2429.9*	1865.3
30°	3577.1	3595.8	3539.0	3441.4	3320.8	3236.0	3173.2	3030.6	2640.5	*2589.9*	1974.7
32.5°	3912.0	3904.4	3821.9	3726.6	3585.3	3479.2	3327.3	3180.4	2818.0	*2759.8*	2083.5
35°	4141.3	4144.0	4067.4	3954.3	3819.6	3738.1	3533.7	3342.1	2999.0	*2945.5*	2207.0
37.5°	4336.5	4324.4	4237.6	4132.1	4016.1	3981.3	3775.2	3520.2	3195.2	*3136.7*	2338.5
40°	4401.6	4387.5	4330.6	4254.7	4161.7	4158.8	4041.8	3722.0	3417.0	*3359.2*	2486.7
42.5°	4362.2	4344.1	4320.8	4300.1	4271.5	4284.6	4292.2	3958.6	3660.9	*3596.1*	2658.3
45°	4216.6	4189.3	4205.7	4250.8	4312.9	4387.1	4518.3	4220.5	3934.0	*3879.8*	2859.7
47.5°	3992.8	3968.2	4019.4	4115.7	4284.6	4472.6	4732.2	4509.7	4260.0	*4206.1*	3146.6
50°	3678.0	3685.2	3758.5	3933.6	4189.0	4512.0	4995.8	4892.6	4733.8	*4683.6*	3538.0
52.5°	3161.4	3162.7	3369.1	3656.6	4019.4	4491.7	5142.0	5381.9	5380.9	*5320.1*	3910.6
55°	2681.6	2710.8	2874.2	3256.3	3744.7	4410.2	5244.2	5619.8	5805.8	*5734.5*	4258.0
57.5°	2213.0	2230.1	2384.8	2768.7	3352.6	4192.9	5349.0	5905.4	6295.5	*6250.5*	4689.8
60°	1679.9	1706.2	1866.3	2220.9	2851.2	3807.5	5358.9	6203.5	6880.8	*6835.4*	5171.9
62.5°	1090.4	1135.7	1285.6	1617.8	2244.5	3253.1	5130.2	6398.3	7435.5	*7419.4*	5599.8
65°	626.7	660.9	765.0	1021.4	1548.5	2557.0	4586.3	6323.4	7776.9	*7767.7*	5759.8
66°	*512.0*	*533.4*	*613.2*	*798.2*	*1277.7*	*2245.5*	*4270.2*	*6165.3*	*7810.8*	*7811.1*	*5741.4*
67.5°	409.5	419.0	454.8	571.5	942.8	1779.8	3705.3	5816.7	7768.7	*7780.2*	5622.8
70°	338.8	343.7	354.9	383.2	514.6	1073.3	2630.0	4910.6	7346.4	*7355.3*	5159.7
72.5°	304.0	306.9	311.2	315.2	363.1	599.7	1606.3	3928.4	6441.1	*6452.6*	4454.2
75°	275.4	277.0	276.4	276.7	304.6	382.2	830.1	2933.0	5208.1	*5185.1*	3412.1
77.5°	241.9	243.5	240.2	240.9	269.5	293.8	413.1	2053.3	3514.6	*3352.3*	1922.5
80°	204.4	205.7	204.4	206.7	234.6	221.8	240.2	1155.1	1554.1	*1469.9*	683.5
82.5°	154.5	160.0	164.0	173.2	193.2	157.7	160.7	449.9	473.2	*450.5*	209.7
85°	67.7	82.5	123.6	132.4	145.3	94.6	105.5	183.4	192.6	*186.7*	76.2
87.5°	17.7	19.4	61.1	76.9	80.5	42.7	54.9	83.5	88.1	*83.5*	25.3
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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Scaled Data Report

REPORT NUMBER: P317596
CATALOG NUMBER: GLEON-SA2B-830-U-T2R

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	884.0	884.0	884.0	884.0	884.0	884.0	884.0	884.0	884.0	884.0	884.0
2.5°	893.9	877.8	848.8	823.2	803.8	790.7	777.5	771.0	767.0	763.1	763.7
5°	922.5	889.9	840.3	805.1	785.4	772.9	766.4	763.7	762.1	758.1	758.1
7.5°	965.5	919.5	851.1	815.0	799.5	790.0	786.1	784.8	782.8	778.2	778.8
10°	1019.7	955.3	873.8	838.7	824.5	814.0	808.4	806.4	802.8	797.6	798.2
12.5°	1083.5	999.7	903.7	866.9	849.8	835.7	826.5	820.9	814.7	807.8	808.1
15°	1153.1	1048.0	935.9	892.2	868.9	849.2	834.4	824.8	815.0	806.4	806.1
17.5°	1223.8	1094.7	960.6	906.0	874.5	848.5	828.5	813.7	801.5	791.0	790.0
20°	1300.0	1136.7	974.4	904.7	864.0	833.1	806.4	788.0	774.6	764.1	762.4
22.5°	1377.6	1176.2	976.7	891.2	840.6	802.8	774.9	754.5	740.7	729.9	725.9
25°	1448.6	1206.7	967.1	865.3	808.1	767.3	740.1	719.4	708.2	695.4	691.4
27.5°	1513.3	1228.1	948.1	832.1	771.6	731.5	705.9	688.1	676.0	666.1	662.8
30°	1571.5	1239.6	916.9	792.6	734.1	697.7	676.0	663.8	653.3	640.8	638.5
32.5°	1626.7	1239.6	876.8	749.6	697.0	667.8	655.0	647.4	635.6	623.4	620.1
35°	1681.9	1232.0	829.5	704.6	662.8	646.4	645.7	636.9	618.8	602.4	598.1
37.5°	1740.1	1216.6	776.2	662.5	634.9	636.9	642.5	622.7	597.1	573.8	567.5
40°	1805.8	1195.2	721.0	626.0	611.6	632.6	633.6	602.4	552.4	531.1	525.5
42.5°	1883.0	1173.8	669.7	593.8	593.2	619.8	616.8	558.3	528.4	517.6	514.6
45°	1984.6	1161.7	621.1	563.3	578.7	599.1	588.2	534.0	521.5	515.3	512.7
47.5°	2144.6	1167.9	576.4	538.9	564.2	578.4	535.0	524.2	515.3	507.7	505.1
50°	2345.1	1164.3	540.3	522.2	547.8	556.7	511.0	511.3	506.7	498.2	494.3
52.5°	2495.9	1136.1	516.9	512.7	533.4	518.2	495.9	498.9	496.6	484.1	479.8
55°	2641.5	1111.7	505.1	509.0	522.8	470.3	478.1	485.4	483.1	470.9	468.9
57.5°	2822.6	1107.1	497.9	510.0	514.0	446.3	461.1	470.6	468.9	463.7	462.7
60°	3044.4	1108.5	491.3	511.7	504.1	428.5	445.0	457.1	458.1	457.1	456.5
62.5°	3166.3	1072.6	474.9	507.1	486.7	413.1	428.2	445.9	446.3	448.2	447.9
65°	3062.8	965.5	444.3	491.0	457.4	400.3	413.7	433.1	428.2	437.1	437.1
66°	*2962.2*	*903.7*	*429.2*	*480.5*	*445.0*	*395.3*	*409.1*	*426.6*	*420.3*	*432.5*	*432.5*
67.5°	2756.8	799.5	401.9	458.1	427.2	388.4	403.9	415.7	407.2	425.2	423.9
70°	2381.5	618.5	347.0	407.5	398.0	378.2	396.7	394.0	381.5	409.1	403.9
72.5°	2007.9	469.9	278.7	341.1	353.6	365.4	386.5	366.4	350.6	370.0	358.5
75°	1558.0	353.3	220.2	265.2	298.7	345.4	374.3	334.5	311.9	309.9	303.6
77.5°	842.3	242.5	174.5	202.4	237.3	320.4	366.1	300.4	266.2	258.3	253.4
80°	333.6	157.7	126.8	153.5	166.0	284.3	346.4	260.6	219.5	211.6	204.1
82.5°	137.7	93.3	81.8	102.9	108.1	243.2	310.9	213.6	169.6	234.6	249.1
85°	59.2	51.3	48.6	53.2	61.1	170.6	247.5	163.0	183.0	163.3	129.8
87.5°	17.7	21.7	20.7	20.4	22.3	40.7	131.8	90.7	134.4	50.9	38.1
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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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

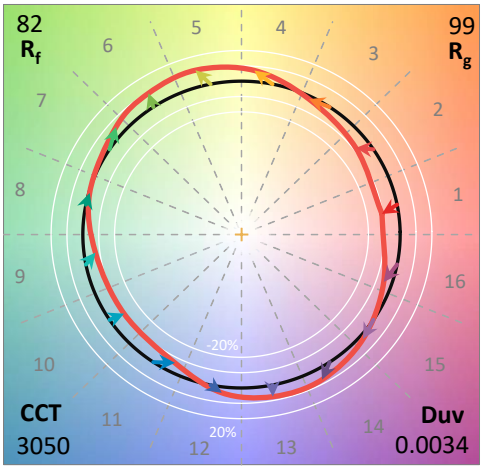
Test Information

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

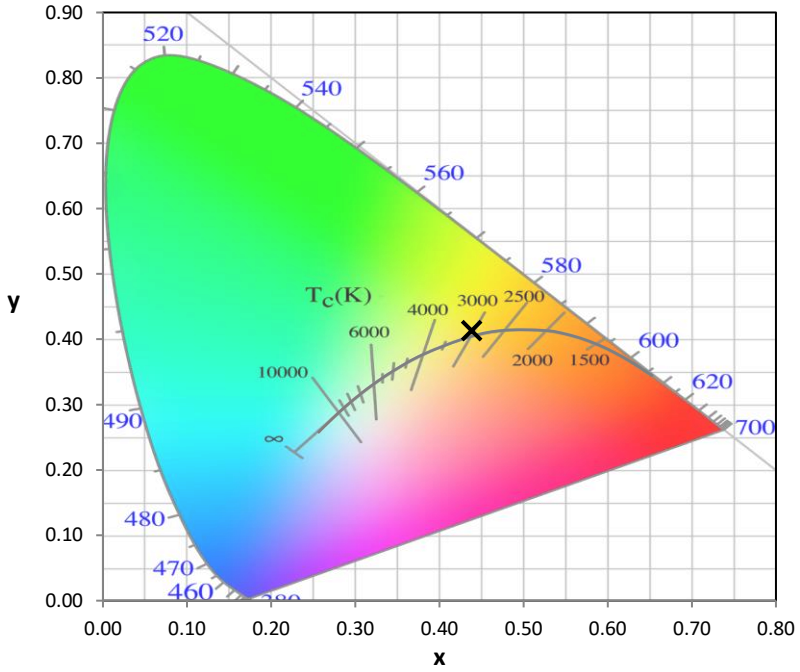
Stabilization Time:	20M
Operation Time:	1H 20M
Sphere Temperature (°C):	24.2

REPORT NUMBER: SP1-2408-195-9

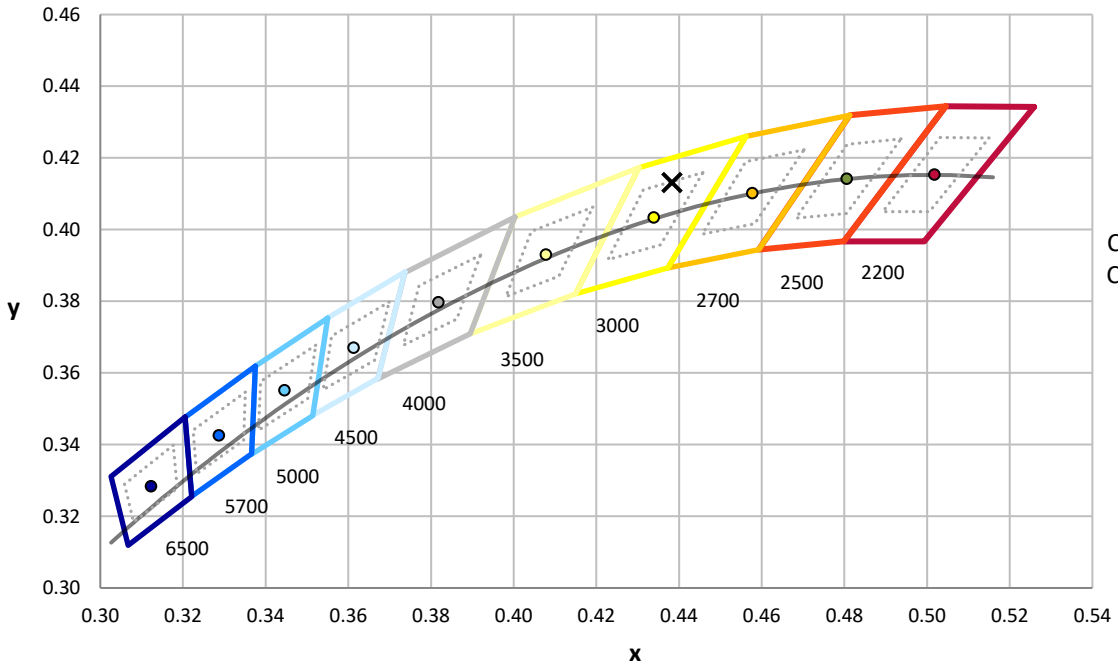
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

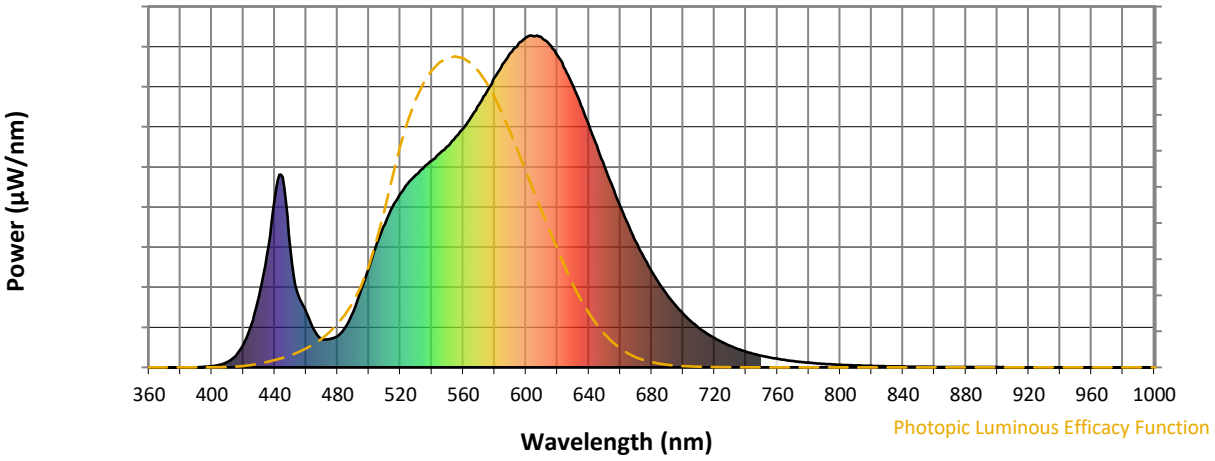


CCT = 3050K
CIE x = 0.4383
CIE y = 0.4131
Duv = 0.0034

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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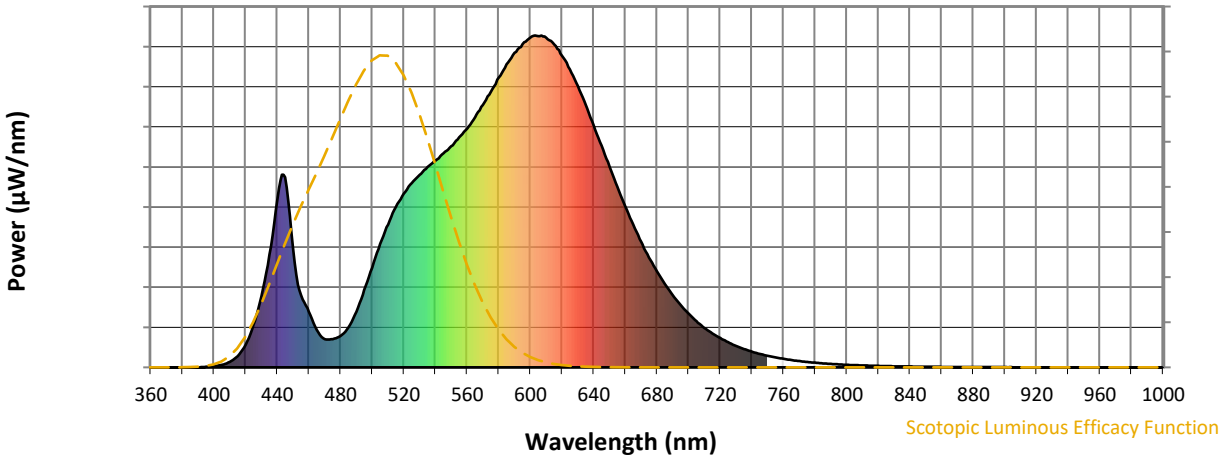
Scotopic Flux vs. Wavelength



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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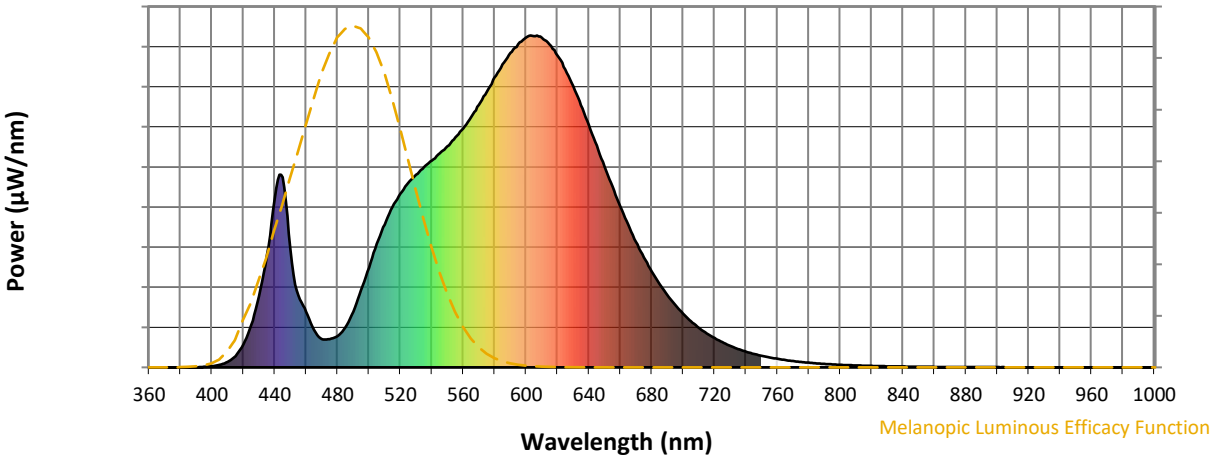
Melanopic Flux vs. Wavelength



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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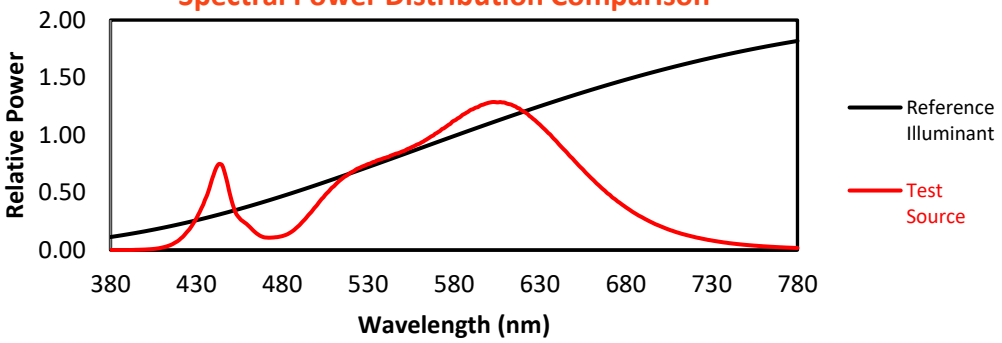
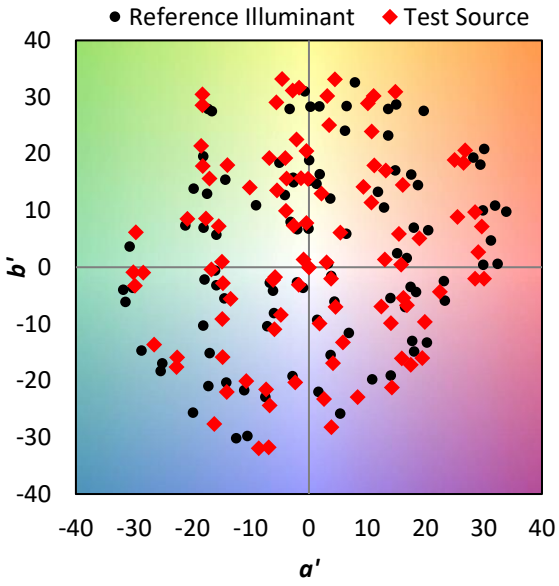
Summary

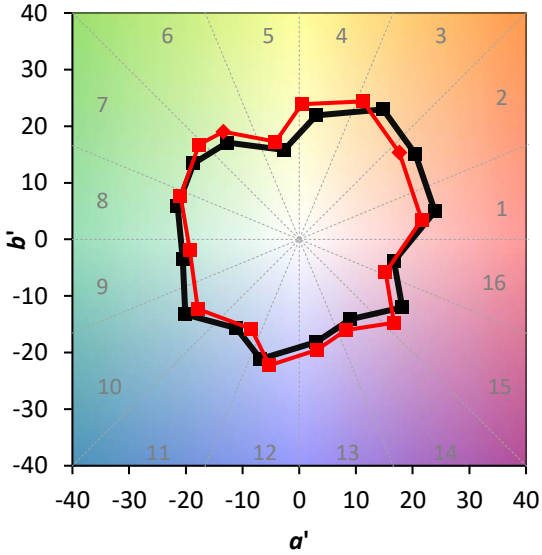
R_f = 81.5
R_g = 99.2
CIE R_a = 81.0
R_9 = 7.1

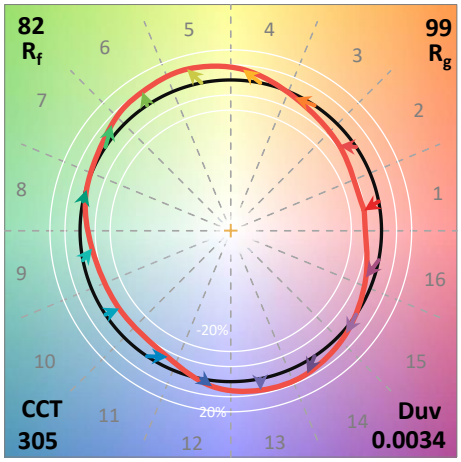
Spectral Power Distribution Comparison

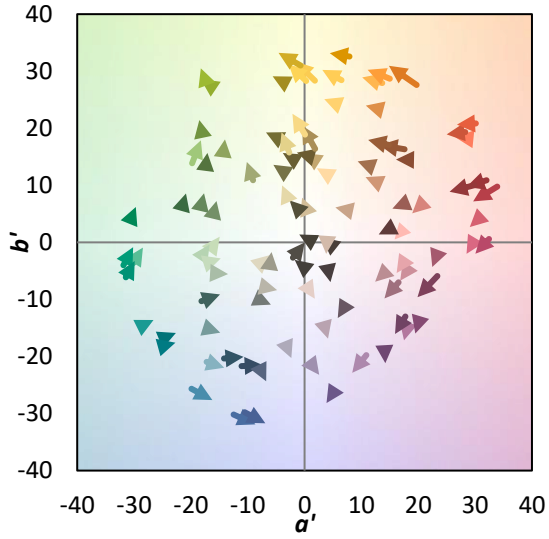


Color Vector Graphics









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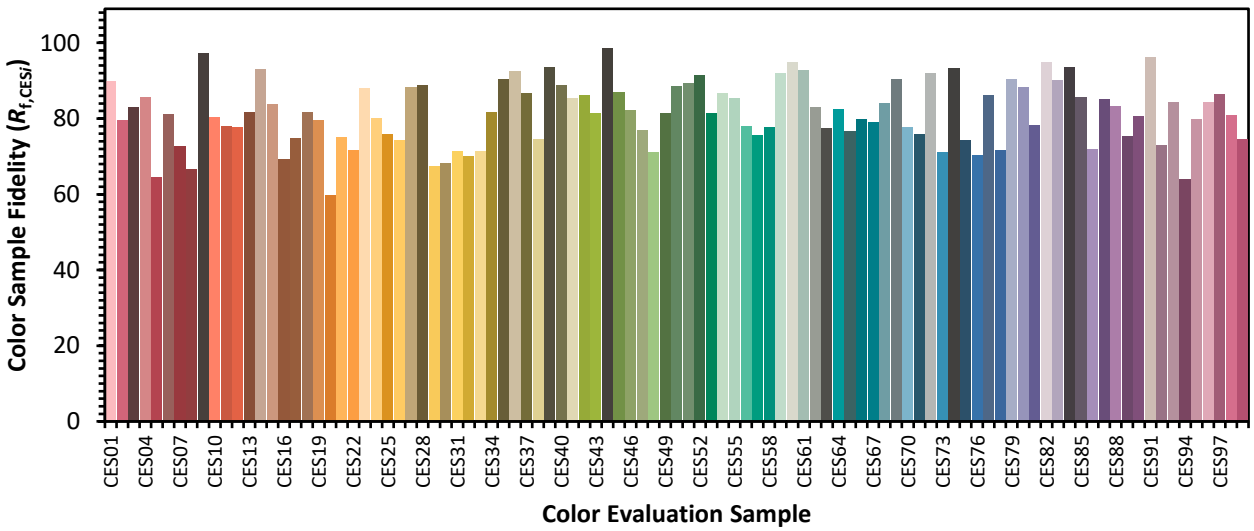
Individual Sample Fidelity Index ($R_{f,i}$)

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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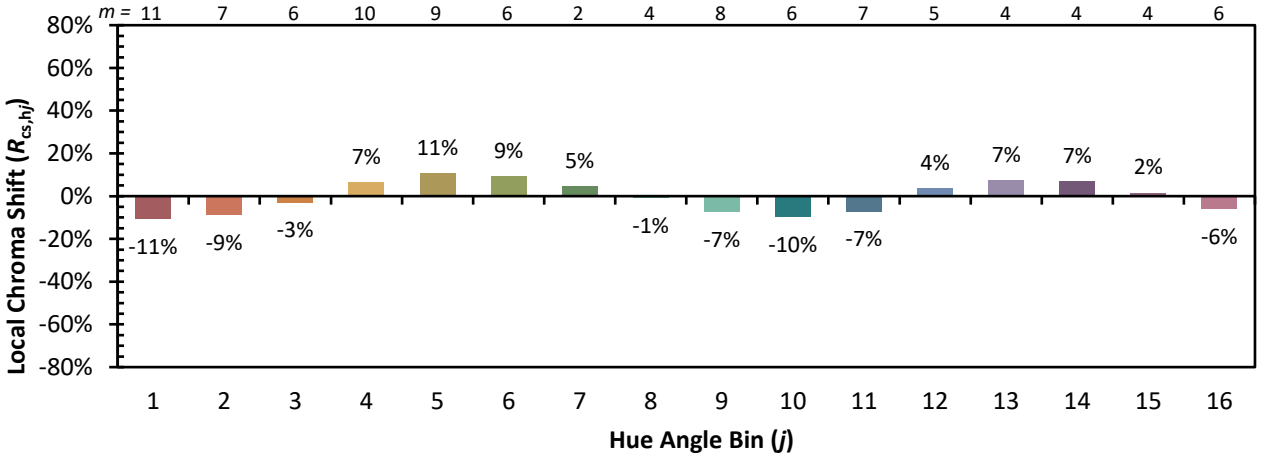
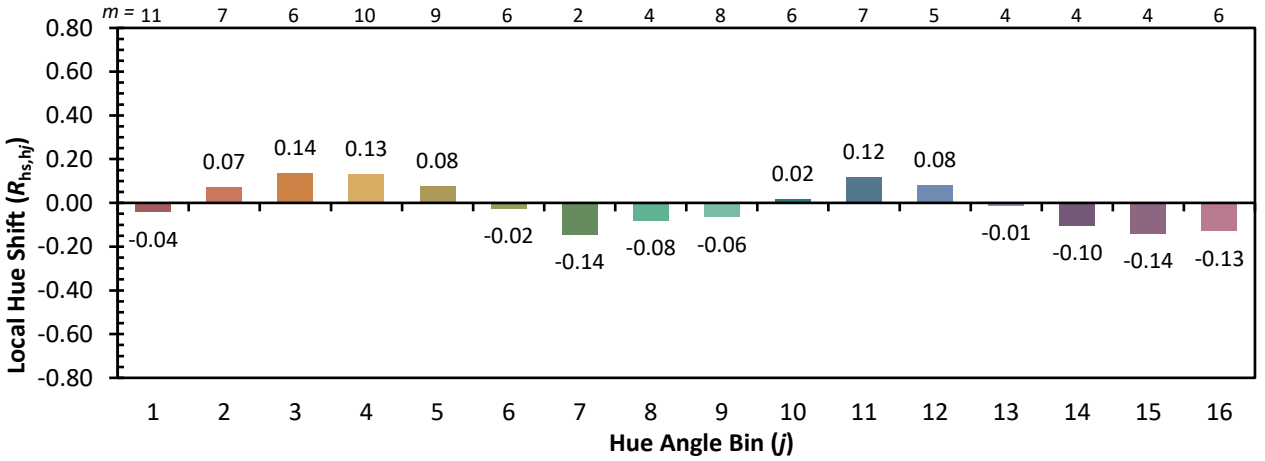
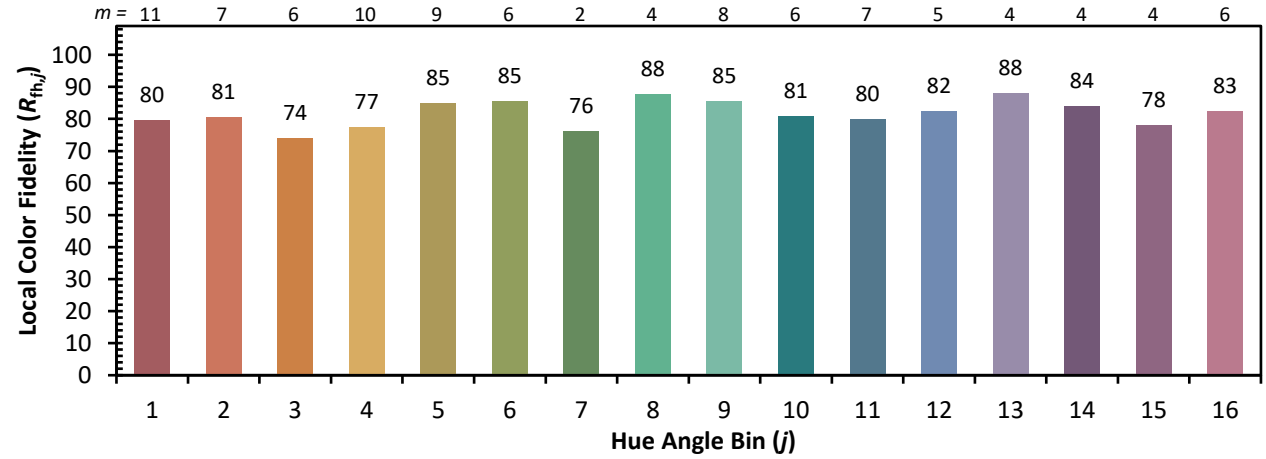
Color Rendition by Hue-Angle Bin







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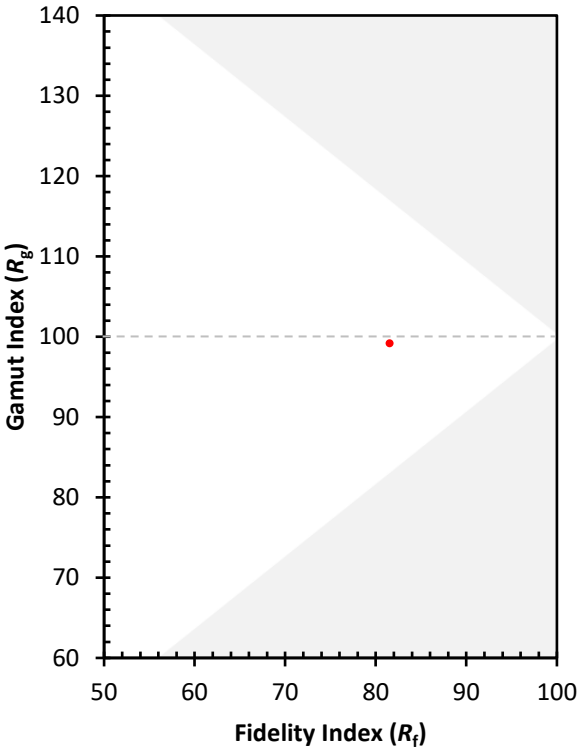
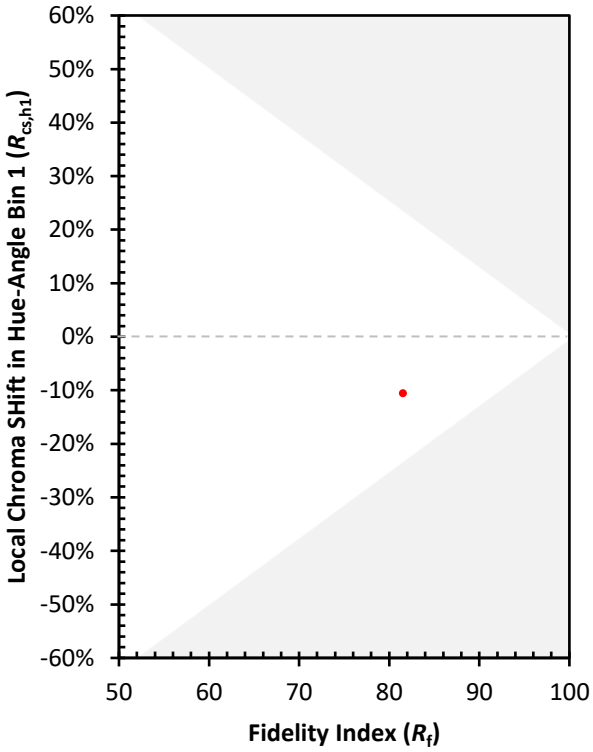
Measure Comparisons





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