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: P322739

Luminaire Tested: **GLEON-SA5D-830-U-T4FT-HSS**

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:	P322739
	TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-17)
Test Lab:	INNOVATION CENTER
Issue Date:	3/3/2020
Manufacturer:	COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line:	McGRAW-EDISON
Catalog Number:	GLEON-SA5D-830-U-T4FT-HSS
Description:	GALLEON AREA AND ROADWAY LUMINAIRE
	(5) 80 CRI, 3000K, 1200mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE IV FORWARD THROW OPTICS WITH HOUSE SIDE SHIELD
Light Source:	-
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	21884 lumens
Efficiency:	N/A
Efficacy:	68.4 lumens/watt
Luminous Opening:	Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification:	Type IV - Short
BUG Rating:	B2 - U0 - G4

Input Watts (W):	320
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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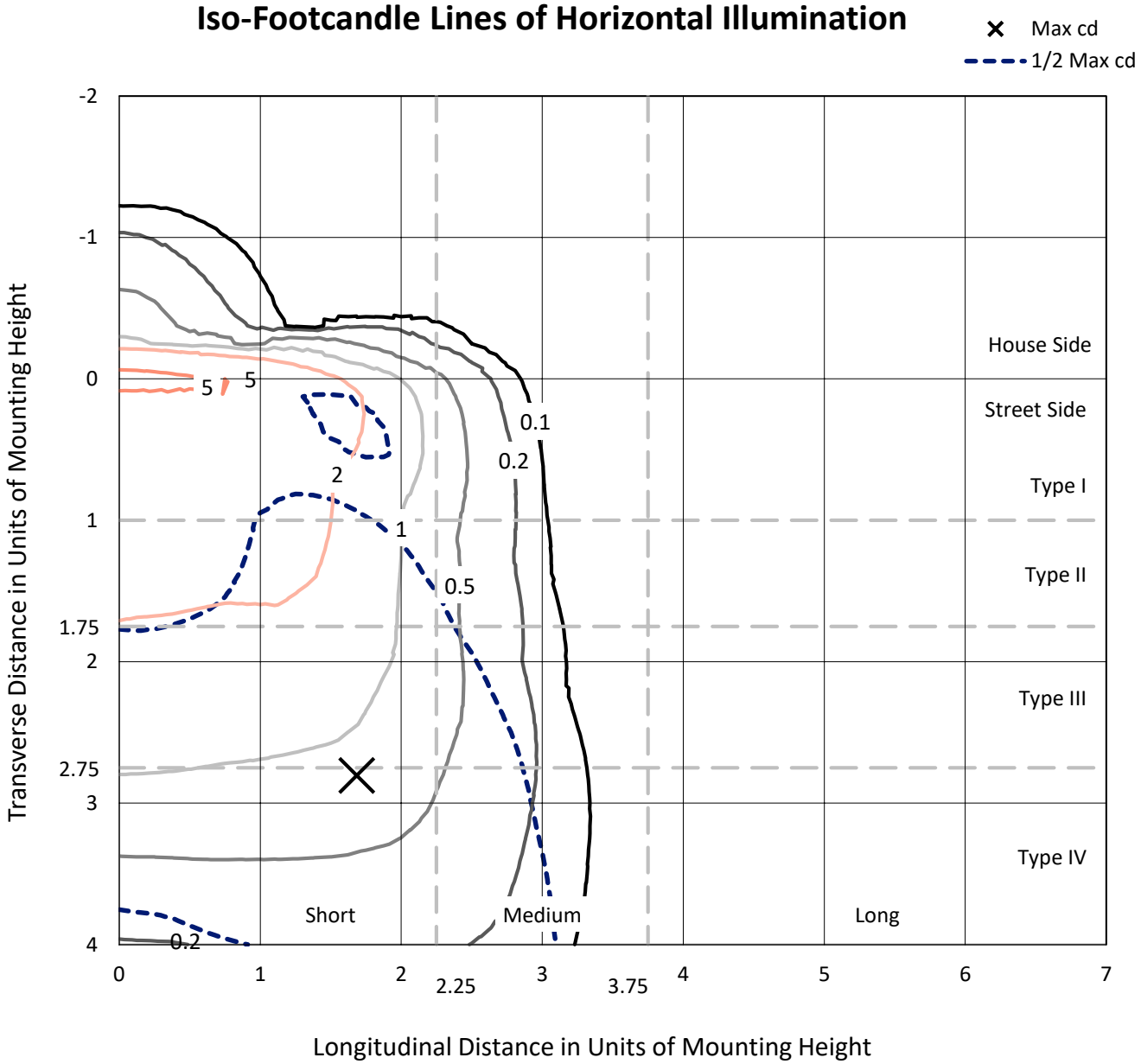
Scaled Data Report

REPORT NUMBER: P322739
CATALOG NUMBER: GLEON-SA5D-830-U-T4FT-HSS

Iso-Footcandle Lines of Horizontal Illumination



Based on 25 foot mounting height. Maximum calculated value = 6 fc
Type IV - Short - N/A

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REPORT NUMBER: P322739
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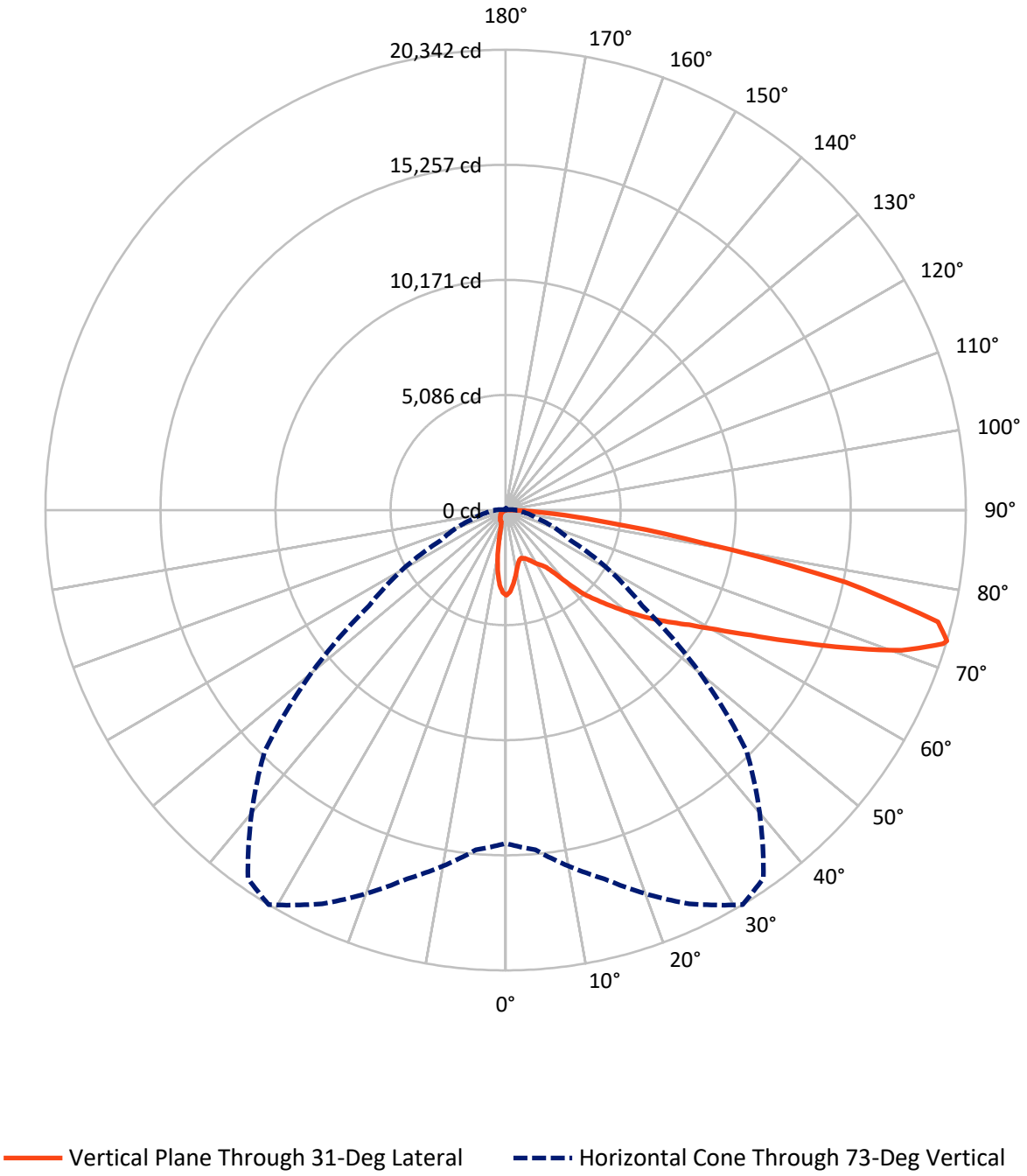
Luminous Intensity Polar Plot



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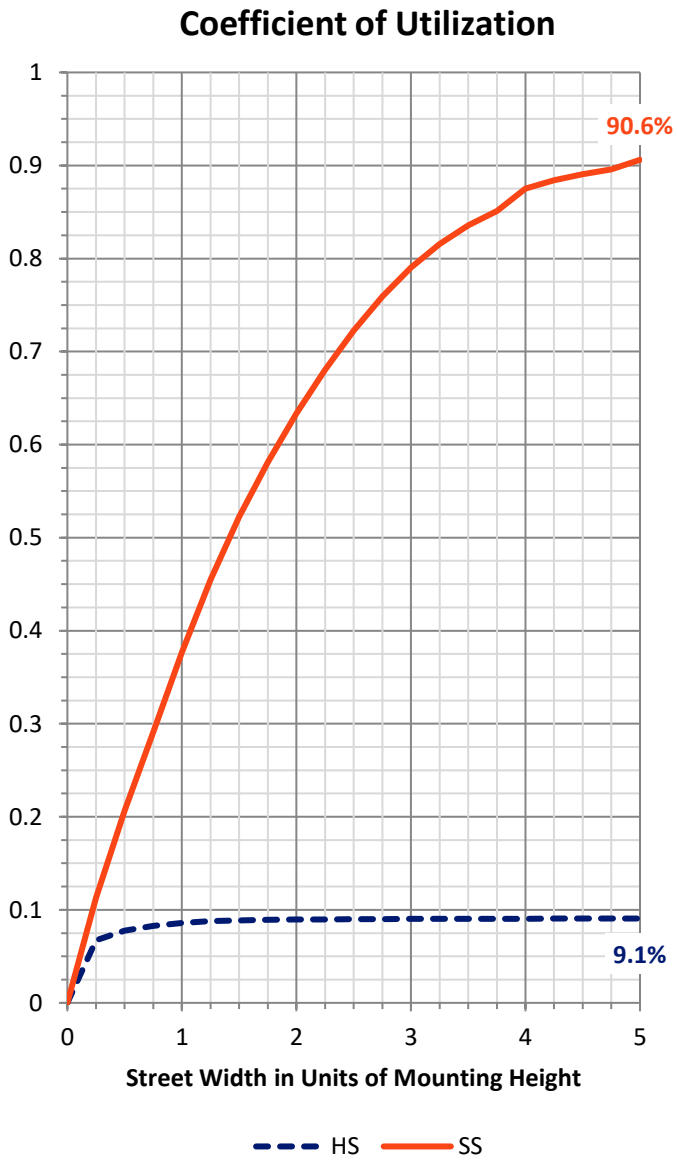
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1994.8	0.0	1994.8
	% Fixture	9.1	0.0	9.1
Street Side	Lumens	19889.2	0.0	19889.2
	% Fixture	90.9	0.0	90.9
Total	Lumens	21884.0	0.0	21884.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	312.2	1.4
10°-20°	677.8	3.1
20°-30°	1015.6	4.6
30°-40°	1615.8	7.4
40°-50°	2885.4	13.2
50°-60°	4477.4	20.5
60°-70°	5952.1	27.2
70°-80°	4477.2	20.5
80°-90°	470.5	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°	21884.0	100.0
0°-180°	21884.0	100.0



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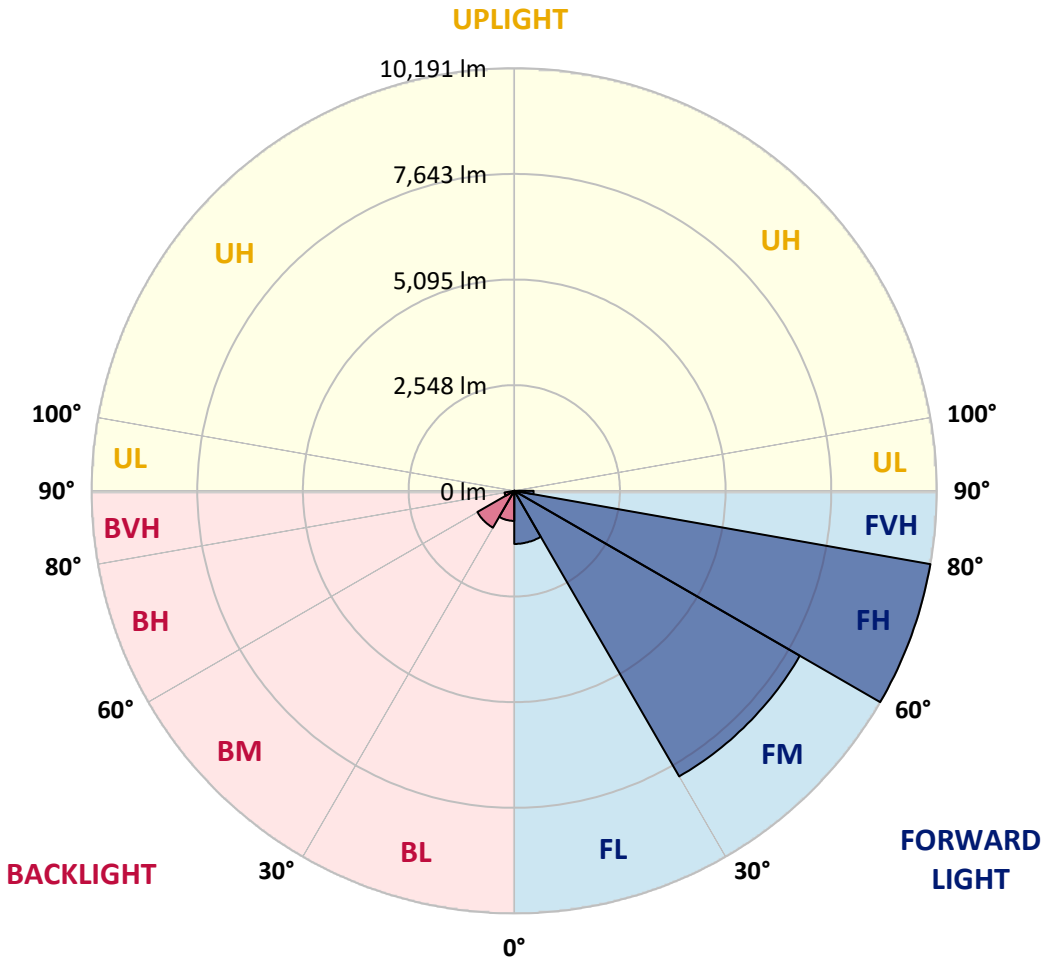
LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	1280.2	5.9			
FM	(30°-60°)	7951.9	36.3			
FH	(60°-80°)	10190.6	46.6			G4/12000
FVH	(80°-90°)	466.5	2.1			G3/500
BL	(0°-30°)	725.4	3.3	B2/1000		
BM	(30°-60°)	1026.8	4.7	B2/2500		
BH	(60°-80°)	238.7	1.1	B1/500		G1/500
BVH	(80°-90°)	4.0	0.0			G0/10
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G4
Type IV Short



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REPORT NUMBER: P322739
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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	31°	35°	45°	55°	65°	75°	85°
0°	3765.2	3765.2	3765.2	3765.2	3765.2	3765.2	3765.2	3765.2	3765.2	3765.2	3765.2
2.5°	3568.1	3583.1	3599.2	3602.4	3629.2	3630.3	3668.8	3697.7	3726.6	3754.5	3764.1
5°	3201.9	3226.5	3255.5	3284.4	3341.1	3363.6	3457.8	3554.2	3646.3	3734.1	3777.0
7.5°	2811.0	2838.9	2879.6	2951.3	3014.5	3058.4	3207.3	3378.6	3549.9	3711.6	3804.8
10°	2454.4	2480.1	2523.0	2599.0	2696.5	2756.4	2956.7	3194.4	3446.1	3691.3	3846.6
12.5°	2227.4	2241.3	2264.9	2346.3	2434.1	2501.6	2737.1	3031.6	3360.4	3690.2	3914.0
15°	2185.7	2189.9	2170.7	2207.1	2275.6	2340.9	2579.7	2899.9	3295.1	3707.4	4001.8
17.5°	2252.0	2249.9	2185.7	2181.4	2236.0	2289.5	2502.6	2808.9	3249.0	3747.0	4115.4
20°	2352.7	2345.2	2233.8	2213.5	2271.3	2321.7	2497.3	2774.6	3231.9	3813.4	4253.5
22.5°	2486.6	2473.7	2299.2	2277.7	2339.9	2392.3	2563.7	2807.8	3246.9	3902.3	4414.1
25°	2652.6	2633.3	2411.6	2388.0	2451.2	2503.7	2682.5	2903.1	3291.9	4010.4	4617.6
27.5°	2840.0	2812.1	2591.5	2530.5	2602.2	2656.8	2841.0	3048.8	3362.5	4125.0	4867.1
30°	3016.6	2980.2	2781.1	2680.4	2768.2	2829.2	3012.4	3222.3	3476.1	4301.7	5208.7
32.5°	3194.4	3153.7	2950.3	2830.3	2909.6	2976.0	3189.1	3461.1	3689.2	4571.6	5662.8
35°	3603.5	3560.7	3311.1	3113.0	3112.0	3149.4	3436.4	3787.7	3970.8	4947.4	6204.6
37.5°	4292.1	4267.4	4029.7	3653.8	3553.2	3511.4	3773.8	4177.5	4375.6	5464.7	6816.1
40°	5046.0	5024.5	4757.9	4417.3	4264.2	4161.4	4257.8	4720.4	4947.4	6096.5	7440.4
42.5°	5897.3	5795.6	5320.1	5218.4	5081.3	5003.1	4916.4	5389.7	5649.9	6784.0	8059.4
45°	6670.5	6499.1	5882.3	5728.1	5697.0	5716.3	5764.5	6289.2	6440.2	7601.1	8676.2
47.5°	7130.9	6996.0	6522.7	6374.9	6366.3	6493.8	6857.9	7305.5	7227.3	8313.2	9219.1
50°	7568.9	7446.8	7053.8	7090.2	7129.9	7303.3	8099.0	8350.7	7945.9	8958.9	9717.1
52.5°	7923.4	7737.1	7531.4	7736.0	7930.9	8210.4	9379.8	9288.7	8455.6	9472.9	10143.3
55°	8127.9	8043.3	8142.9	8348.5	8714.8	9168.8	10588.8	10069.4	8828.3	9942.0	10427.1
57.5°	8877.5	8711.5	8909.7	9087.4	9565.0	10200.1	11624.3	10650.9	9097.1	10232.2	10492.4
60°	9784.6	9650.7	9767.4	10063.0	10707.7	11454.1	12592.4	11125.3	9237.3	10418.5	10323.2
62.5°	11228.1	11051.4	10978.6	11309.5	12164.0	12979.0	13327.0	11454.1	9206.3	10336.1	9742.8
65°	13162.1	12979.0	12653.4	12953.3	14040.2	14615.3	14148.4	11523.7	8992.1	9668.9	8275.7
67.5°	15143.2	15010.4	14732.0	15237.4	16218.4	16403.6	15016.8	11354.5	8302.5	7839.9	5847.0
70°	16451.8	16395.1	16576.0	17694.0	18568.9	18515.4	15813.6	10445.3	6471.3	4821.1	2892.4
72.5°	15508.4	15780.4	17116.8	19144.0	20212.7	19775.8	15404.5	8020.8	3698.8	1854.8	836.4
73°	14726.6	15074.7	16873.7	19198.6	20342.3	19863.6	15060.7	7362.2	3152.6	1463.9	634.0
75°	10245.0	10672.3	13969.5	17880.4	19736.2	18925.5	12553.8	4506.2	1460.7	648.9	255.9
77.5°	4974.2	5290.1	7692.1	12919.0	15348.8	14786.6	7815.2	1679.1	659.7	405.9	117.8
80°	1856.9	2064.6	3339.0	6575.2	8870.0	9102.4	3437.5	635.0	439.1	326.6	60.0
82.5°	486.2	541.9	1231.5	2932.0	4545.9	4757.9	1083.7	320.2	321.3	268.8	36.4
85°	155.3	177.8	384.4	1316.1	2141.7	1880.5	282.7	155.3	233.5	200.3	20.3
87.5°	19.3	24.6	122.1	309.5	472.3	262.4	43.9	46.0	99.6	111.4	11.8
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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REPORT NUMBER: P322739
CATALOG NUMBER: GLEON-SA5D-830-U-T4FT-HSS

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	3765.2	3765.2	3765.2	3765.2	3765.2	3765.2	3765.2	3765.2	3765.2	3765.2	3765.2
2.5°	3773.8	3768.4	3769.5	3741.6	3723.4	3687.0	3649.5	3632.4	3614.2	3606.7	3614.2
5°	3793.0	3783.4	3755.5	3669.9	3578.9	3461.1	3350.8	3267.2	3162.3	3133.4	3163.4
7.5°	3823.0	3803.7	3722.4	3547.8	3345.4	3120.5	2867.8	2683.6	2532.6	2435.2	2470.5
10°	3866.9	3830.5	3666.7	3370.0	3008.1	2609.7	2251.0	1971.5	1773.4	1692.0	1688.8
12.5°	3940.8	3872.3	3598.1	3138.7	2595.8	2064.6	1594.5	1291.5	1130.8	1027.0	1024.8
15°	4022.2	3921.5	3511.4	2861.4	2116.0	1478.9	1027.0	796.7	692.9	659.7	655.4
17.5°	4121.8	3978.3	3398.9	2519.8	1613.8	979.8	670.4	604.0	599.7	596.5	596.5
20°	4247.1	4045.8	3254.4	2128.9	1144.8	654.3	569.7	574.0	576.1	571.8	572.9
22.5°	4392.7	4114.3	3082.0	1709.1	774.2	547.2	545.1	550.4	552.6	550.4	551.5
25°	4561.9	4193.5	2872.1	1269.0	559.0	519.4	524.7	532.2	537.6	537.6	537.6
27.5°	4771.8	4289.9	2619.4	885.6	483.0	490.5	505.5	519.4	526.9	529.0	529.0
30°	5044.9	4409.9	2316.3	607.2	439.1	451.9	479.8	506.5	520.4	522.6	523.7
32.5°	5389.7	4544.8	1965.1	448.7	401.6	411.2	441.2	486.2	512.9	517.2	517.2
35°	5784.9	4701.1	1587.0	390.9	374.8	378.0	401.6	453.0	500.1	511.9	512.9
37.5°	6217.5	4855.3	1206.9	365.2	352.3	352.3	369.5	413.4	469.0	505.5	509.7
40°	6621.2	4948.5	846.0	344.8	332.0	332.0	347.0	379.1	431.6	486.2	498.0
42.5°	6993.9	4980.6	589.0	325.5	312.7	315.9	328.8	354.5	394.1	448.7	459.4
45°	7377.2	4975.3	429.4	303.1	293.4	303.1	312.7	332.0	360.9	391.9	394.1
47.5°	7666.4	4930.3	340.5	281.6	275.2	288.1	296.6	309.5	325.5	323.4	323.4
50°	7937.3	4821.1	274.1	252.7	257.0	272.0	276.3	280.6	281.6	261.3	259.2
52.5°	8142.9	4650.8	219.5	221.7	238.8	253.8	249.5	243.1	232.4	207.7	203.5
55°	8211.4	4323.1	172.4	183.1	212.0	231.3	215.2	201.3	181.0	160.6	156.3
57.5°	8087.2	3900.1	140.3	142.4	178.8	194.9	176.7	160.6	138.1	121.0	117.8
60°	7823.8	3430.0	115.7	107.1	138.1	152.1	140.3	124.2	103.9	91.0	90.0
62.5°	7301.2	2928.8	95.3	83.5	104.9	116.7	109.2	97.4	80.3	71.7	70.7
65°	6202.5	2343.1	77.1	67.5	81.4	91.0	84.6	76.0	63.2	56.8	55.7
67.5°	4329.5	1583.8	63.2	55.7	64.3	71.7	66.4	62.1	50.3	49.3	50.3
70°	2088.2	763.5	52.5	45.0	50.3	55.7	53.5	50.3	48.2	55.7	64.3
72.5°	598.6	255.9	41.8	37.5	40.7	43.9	46.0	45.0	52.5	67.5	78.2
73°	*460.5*	*206.7*	*39.6*	*35.3*	*38.6*	*42.8*	*45.0*	*43.9*	*53.5*	*68.5*	*78.2*
75°	197.0	99.6	30.0	28.9	32.1	37.5	39.6	39.6	53.5	69.6	75.0
77.5°	88.9	53.5	19.3	22.5	27.8	30.0	33.2	33.2	42.8	53.5	53.5
80°	50.3	28.9	15.0	17.1	20.3	20.3	20.3	18.2	19.3	21.4	23.6
82.5°	32.1	19.3	11.8	13.9	12.9	10.7	8.6	8.6	7.5	8.6	10.7
85°	18.2	10.7	10.7	8.6	5.4	4.3	5.4	4.3	1.1	0.0	1.1
87.5°	10.7	6.4	3.2	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

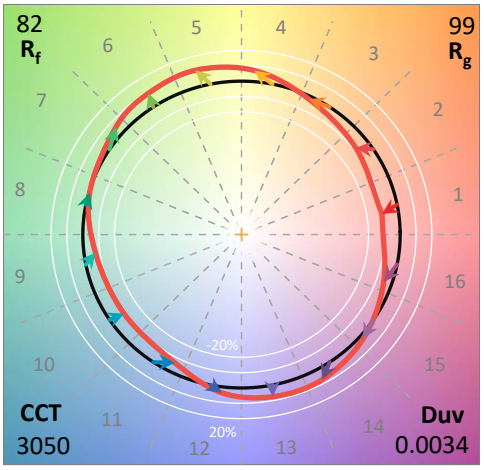
Test Information

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

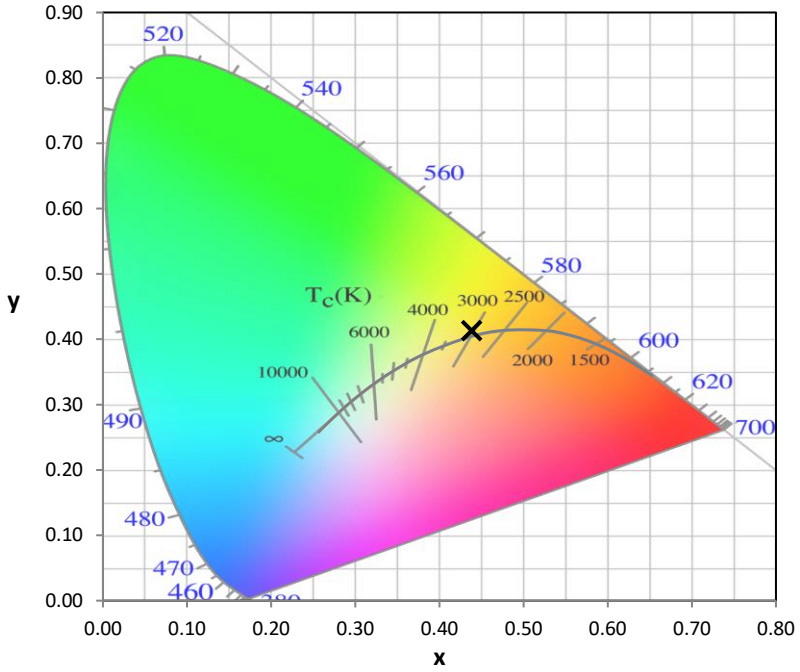
Stabilization Time:	20M
Operation Time:	1H 20M
Sphere Temperature (°C):	24.2

REPORT NUMBER: SP1-2408-195-9

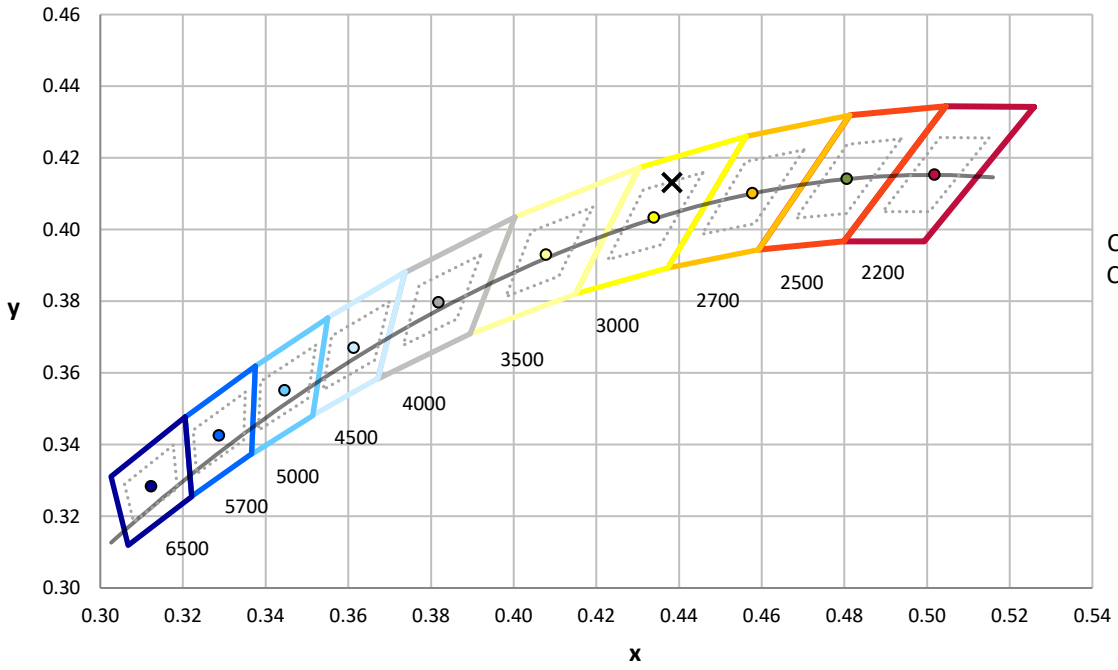
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

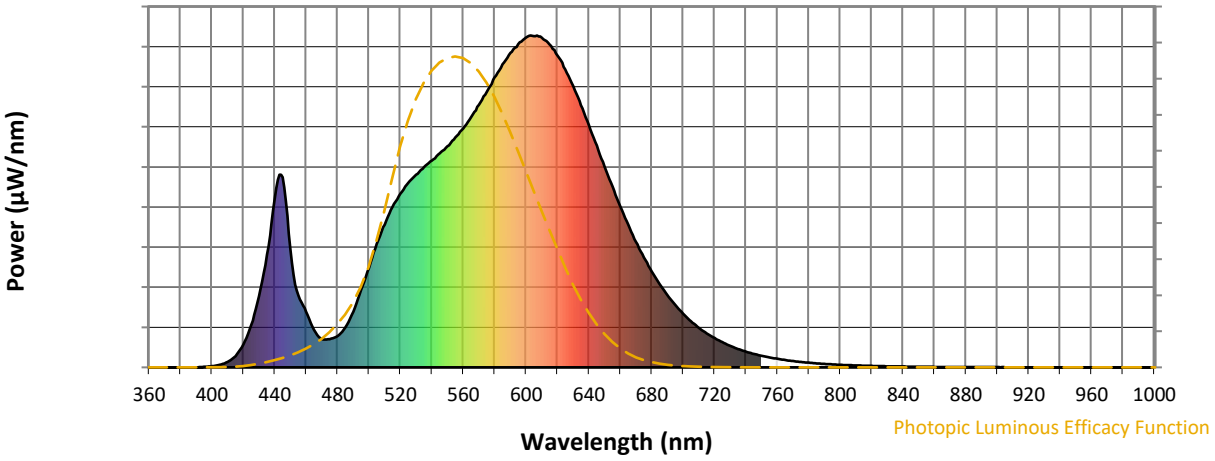


CCT = 3050K
CIE x = 0.4383
CIE y = 0.4131
Duv = 0.0034

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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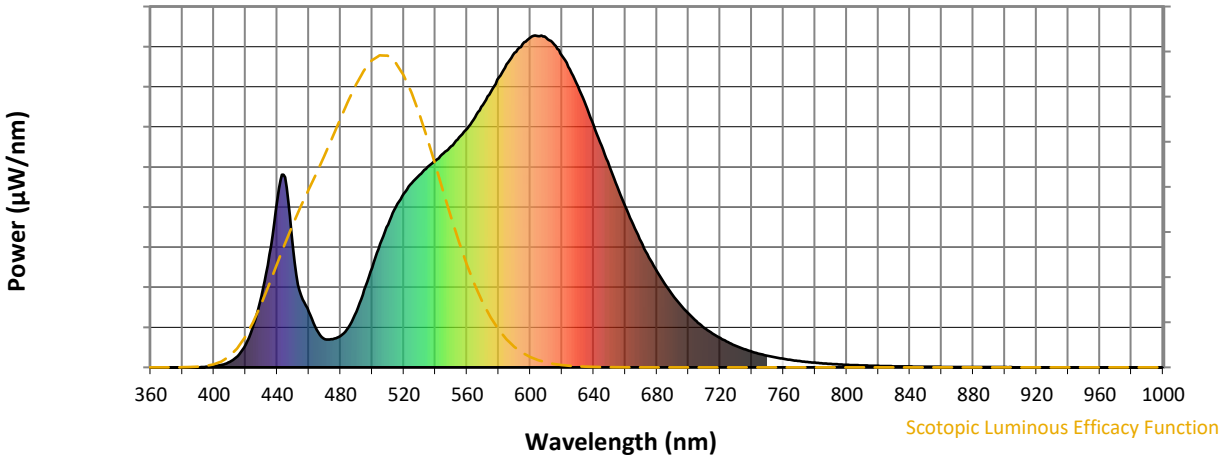
Scotopic Flux vs. Wavelength



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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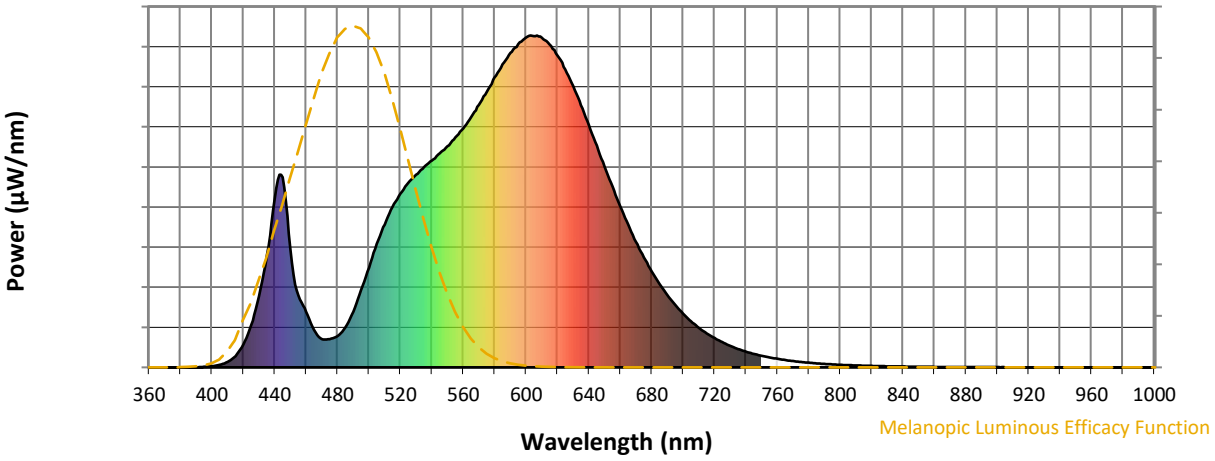
Melanopic Flux vs. Wavelength



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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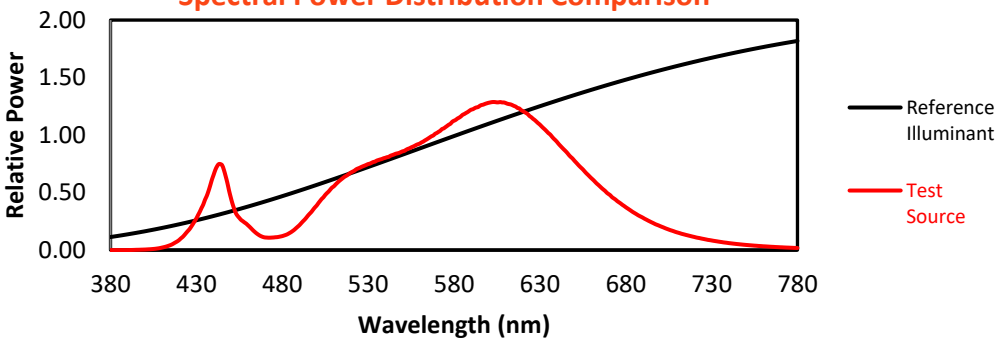
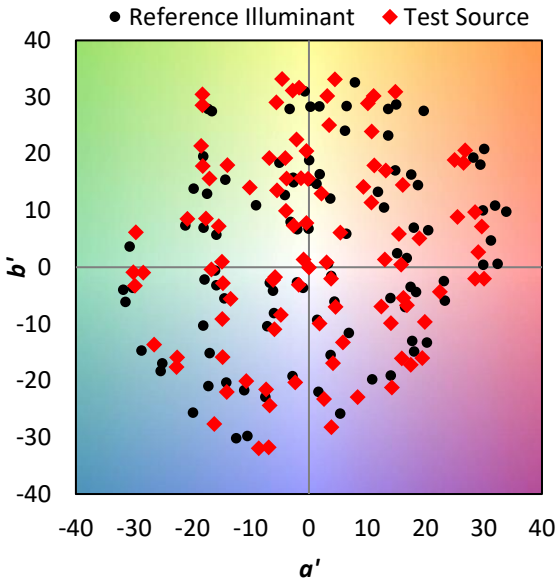
Summary

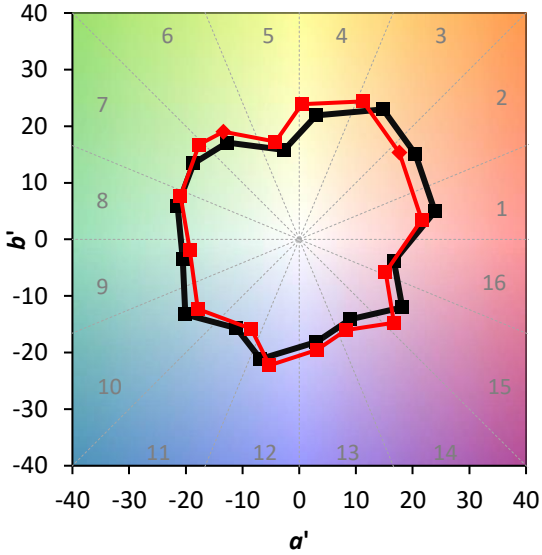
R_f = 81.5
R_g = 99.2
CIE R_a = 81.0
R_9 = 7.1

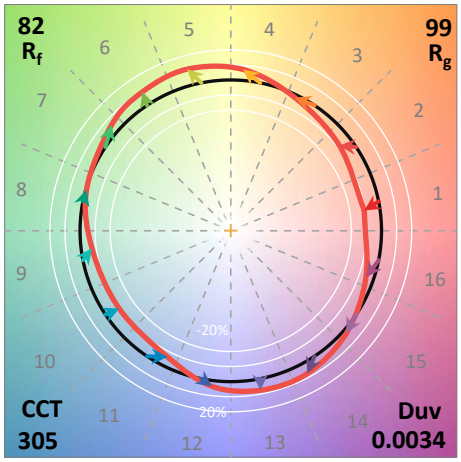
Spectral Power Distribution Comparison

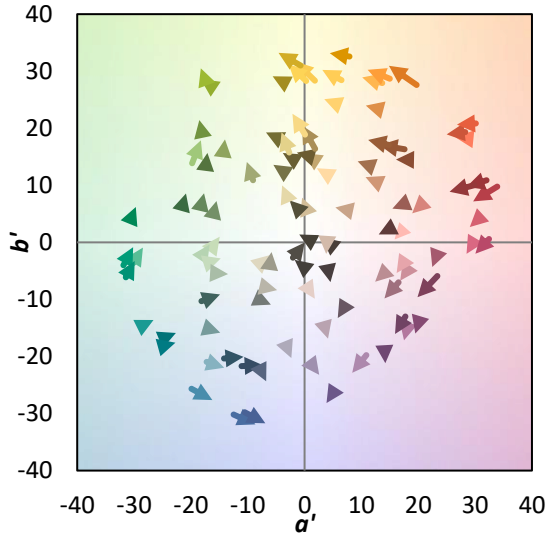


Color Vector Graphics









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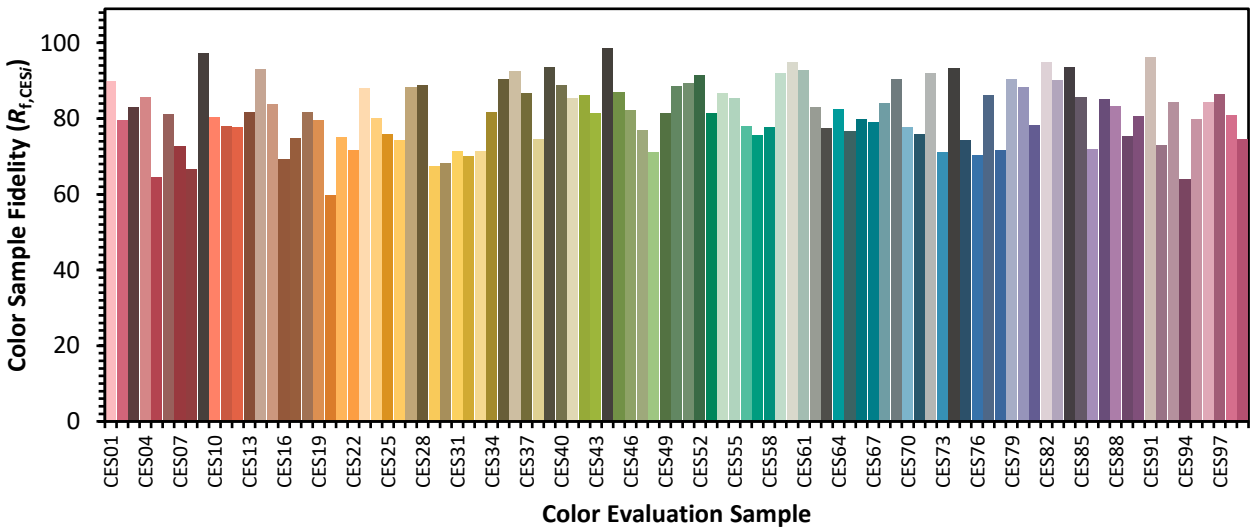
Individual Sample Fidelity Index ($R_{f,i}$)

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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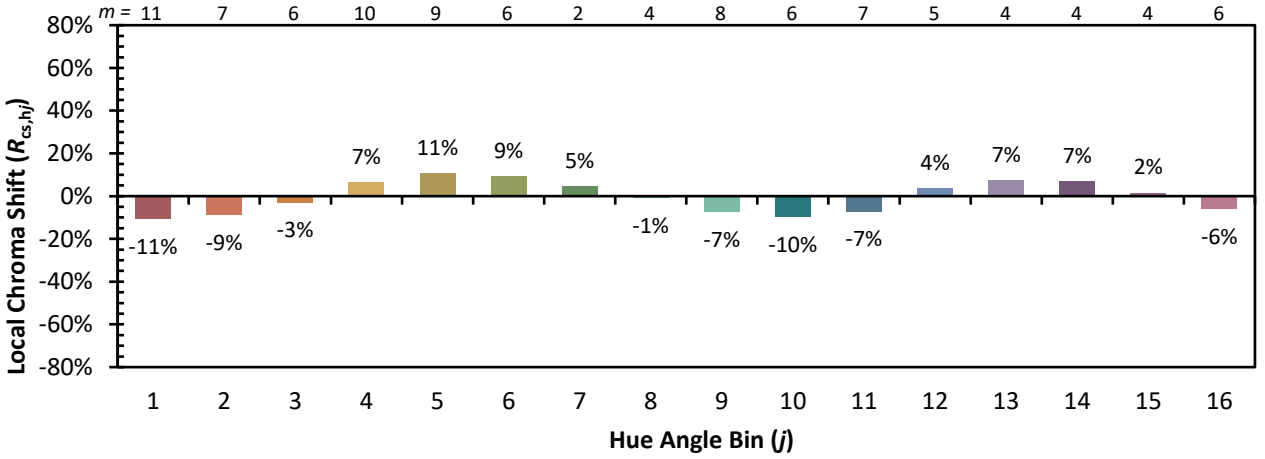
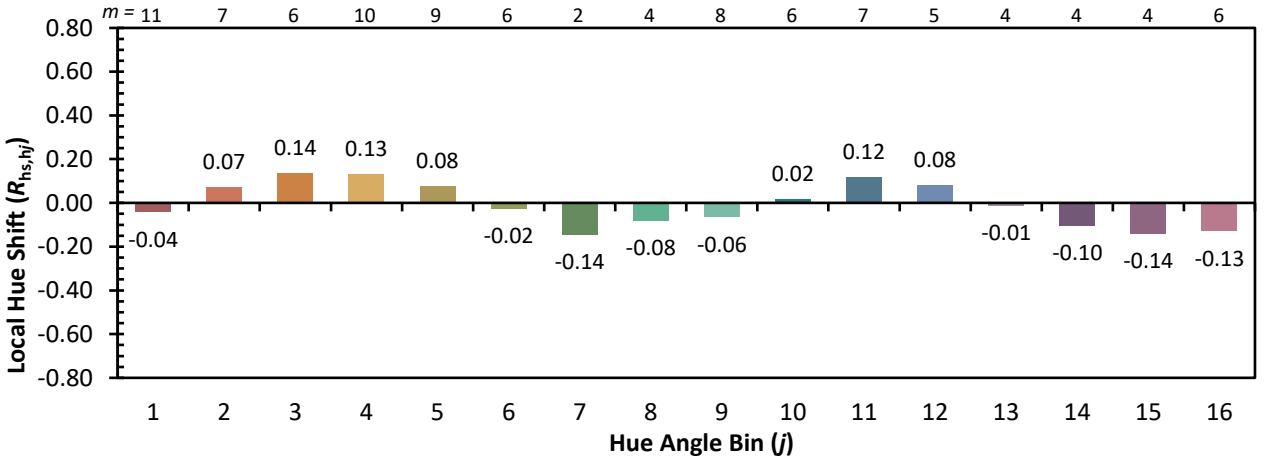
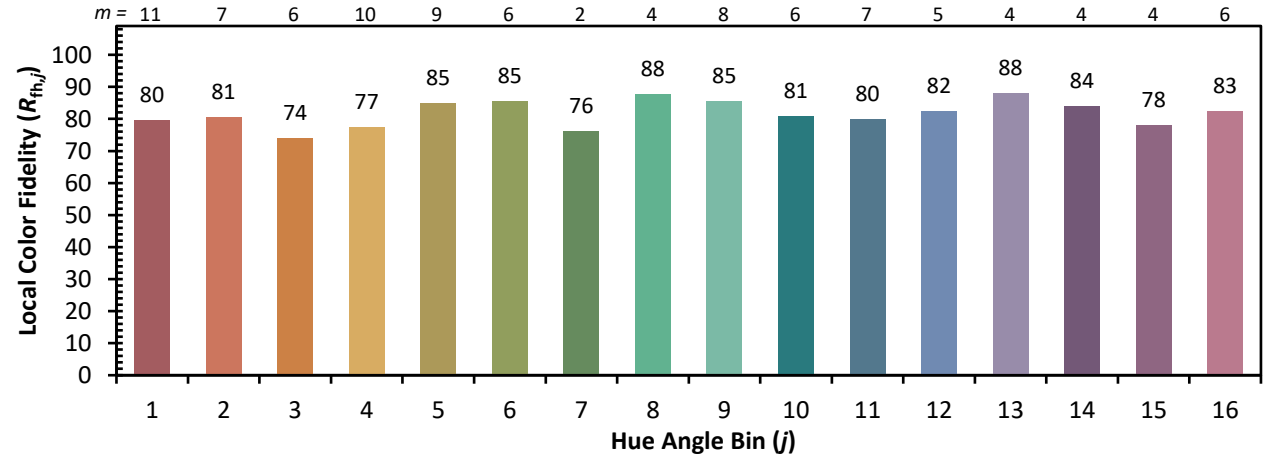
Color Rendition by Hue-Angle Bin







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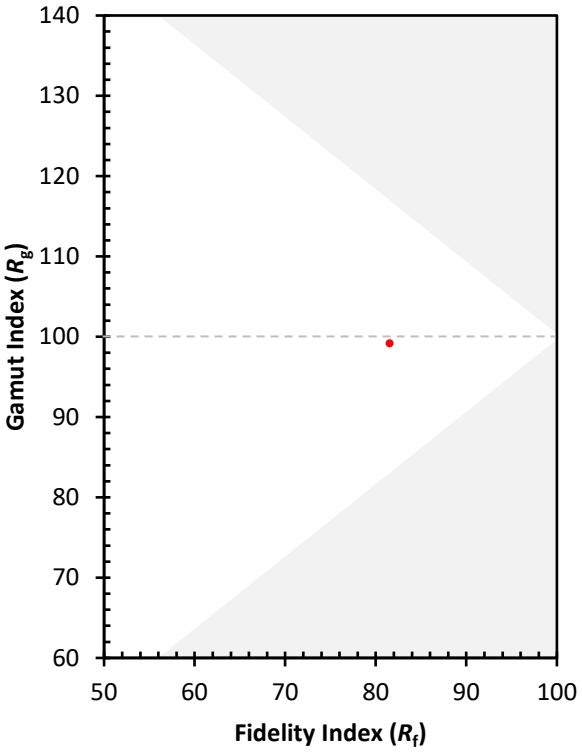
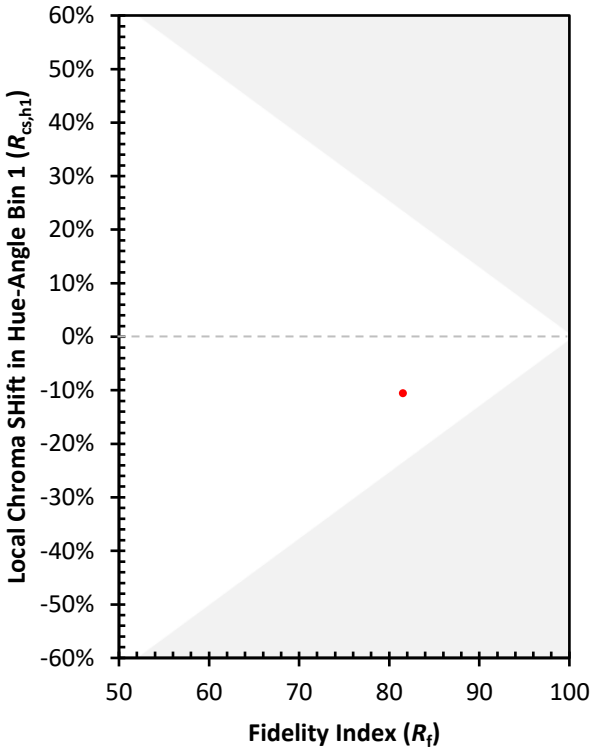
Measure Comparisons





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