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: P321750

Luminaire Tested: **GLEON-SA6A-830-U-T3R-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:	P321750
	TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-11)
Test Lab:	INNOVATION CENTER
Issue Date:	3/3/2020
Manufacturer:	COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line:	McGRAW-EDISON
Catalog Number:	GLEON-SA6A-830-U-T3R-HSS
Description:	GALLEON AREA AND ROADWAY LUMINAIRE
	(6) 80 CRI, 3000K, 615mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III ROADWAY OPTICS WITH HOUSE SIDE SHIELD
Light Source:	-
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	17034 lumens
Efficiency:	N/A
Efficacy:	88.3 lumens/watt
Luminous Opening:	Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification:	Type III - Medium
BUG Rating:	B2 - U0 - G3

Input Watts (W):	193
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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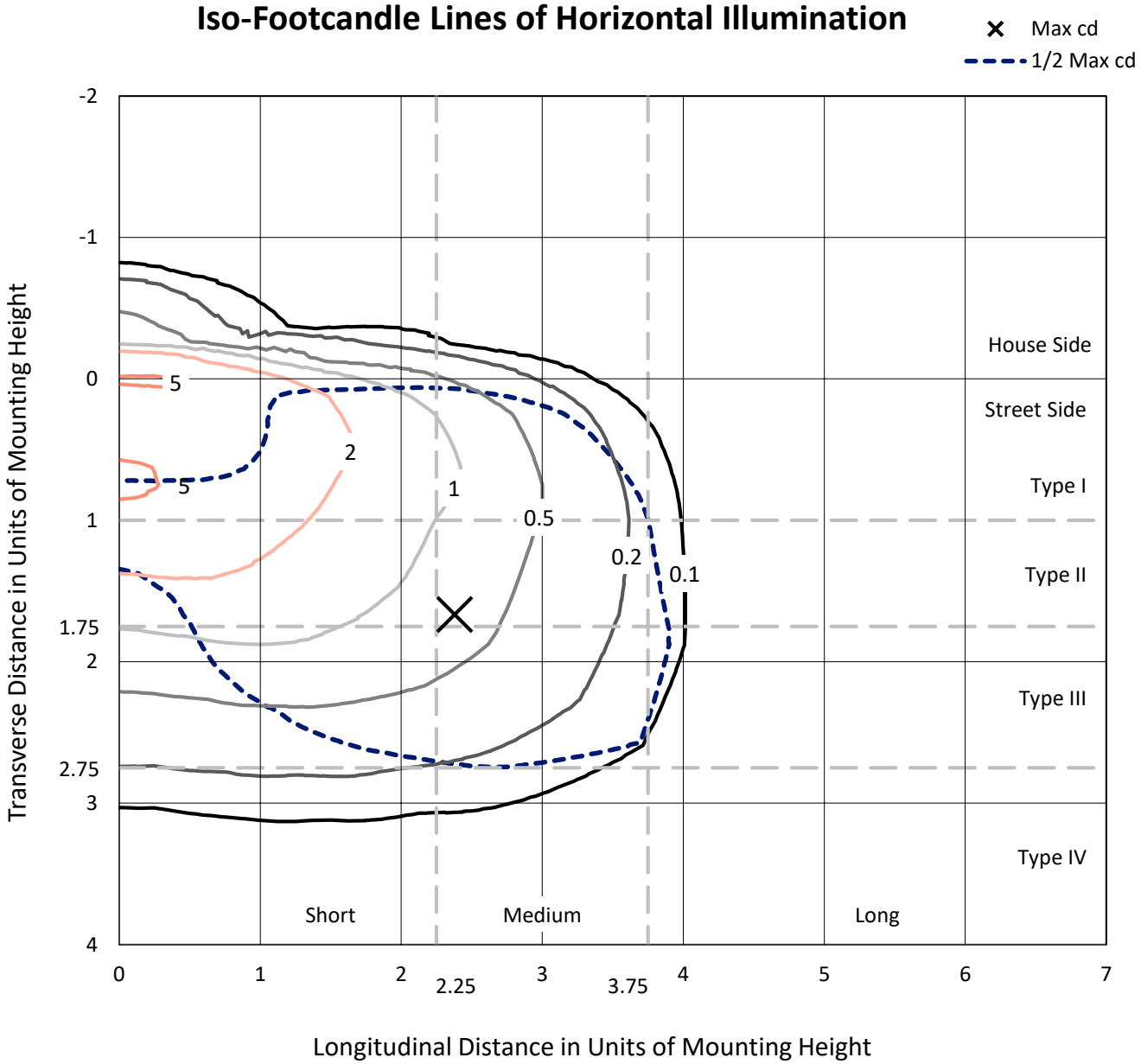
Scaled Data Report

REPORT NUMBER: P321750
CATALOG NUMBER: GLEON-SA6A-830-U-T3R-HSS

Iso-Footcandle Lines of Horizontal Illumination



Based on 25 foot mounting height. Maximum calculated value = 5.4 fc
Type III - Medium - N/A

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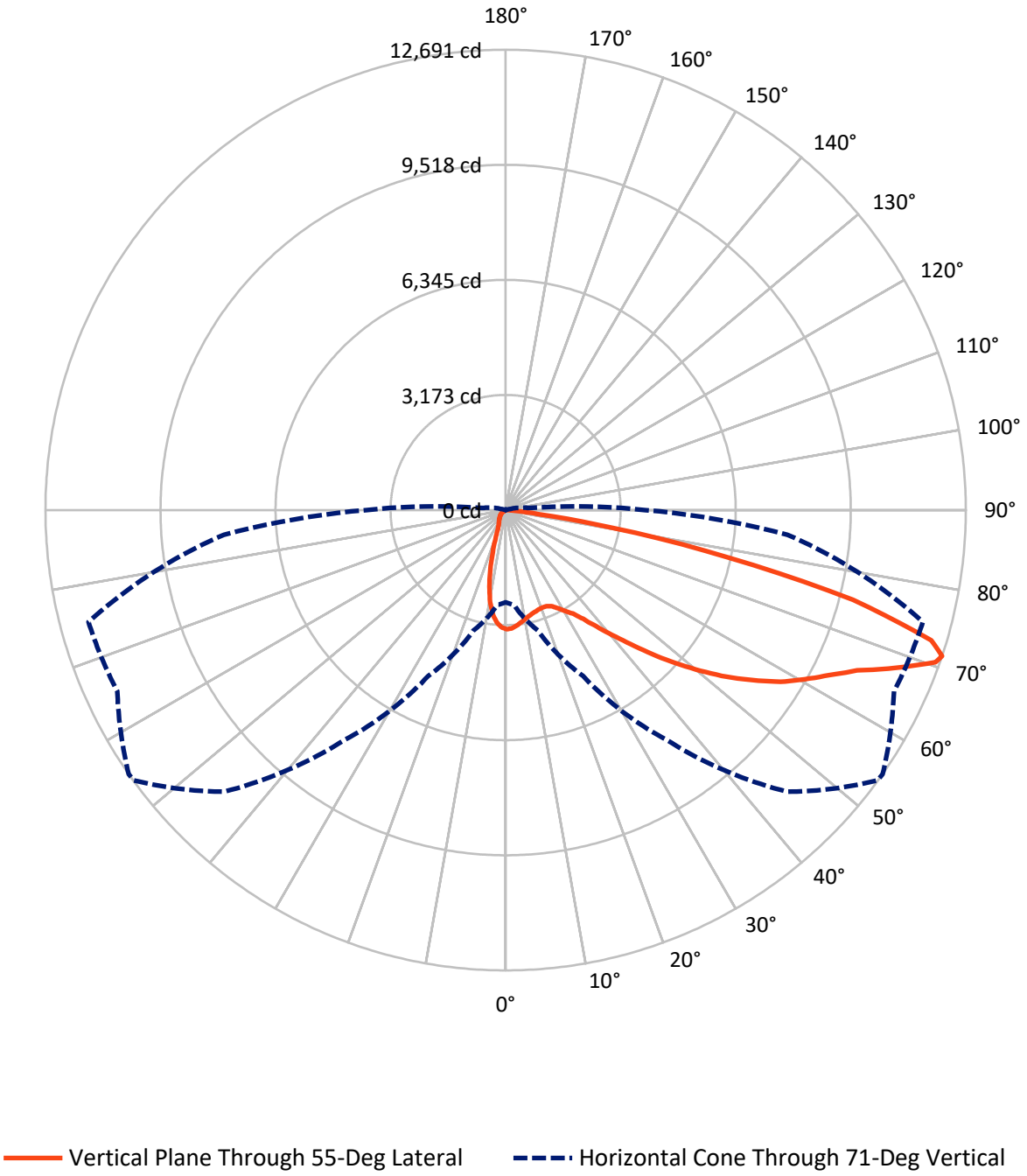
Luminous Intensity Polar Plot



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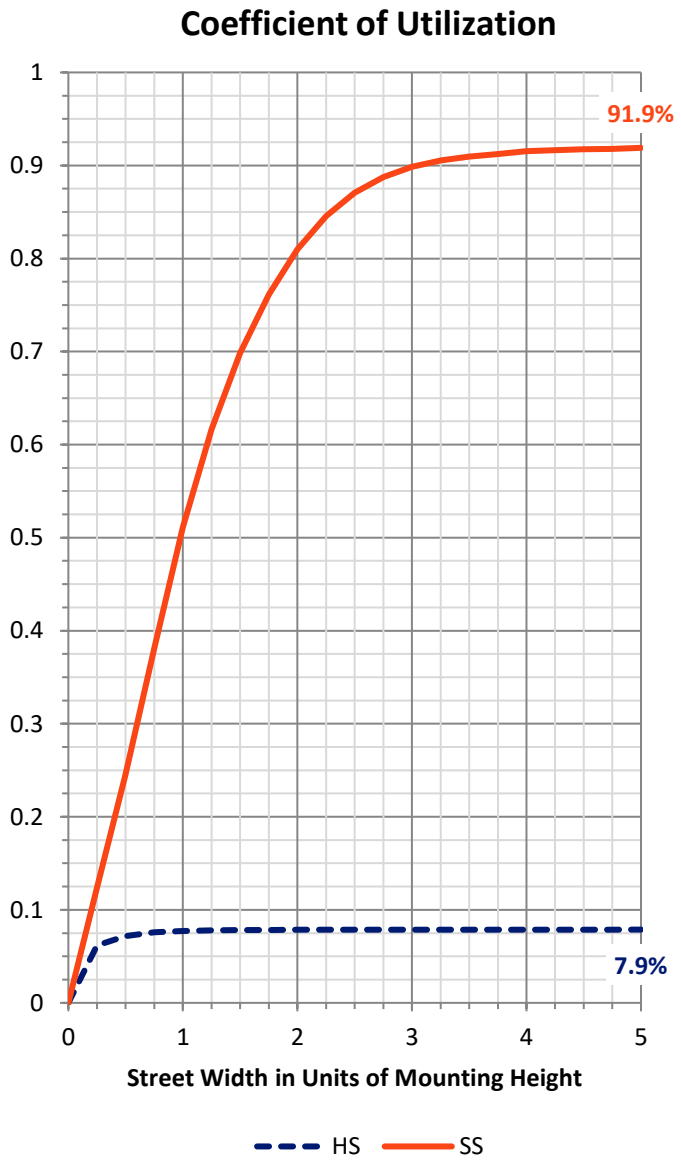
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1348.6	0.0	1348.6
	% Fixture	7.9	0.0	7.9
Street Side	Lumens	15685.4	0.0	15685.4
	% Fixture	92.1	0.0	92.1
Total	Lumens	17034.0	0.0	17034.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	280.1	1.6
10°-20°	632.3	3.7
20°-30°	1016.2	6.0
30°-40°	1726.6	10.1
40°-50°	2679.8	15.7
50°-60°	3603.0	21.2
60°-70°	4407.6	25.9
70°-80°	2577.0	15.1
80°-90°	111.4	0.7
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°	17034.0	100.0
0°-180°	17034.0	100.0



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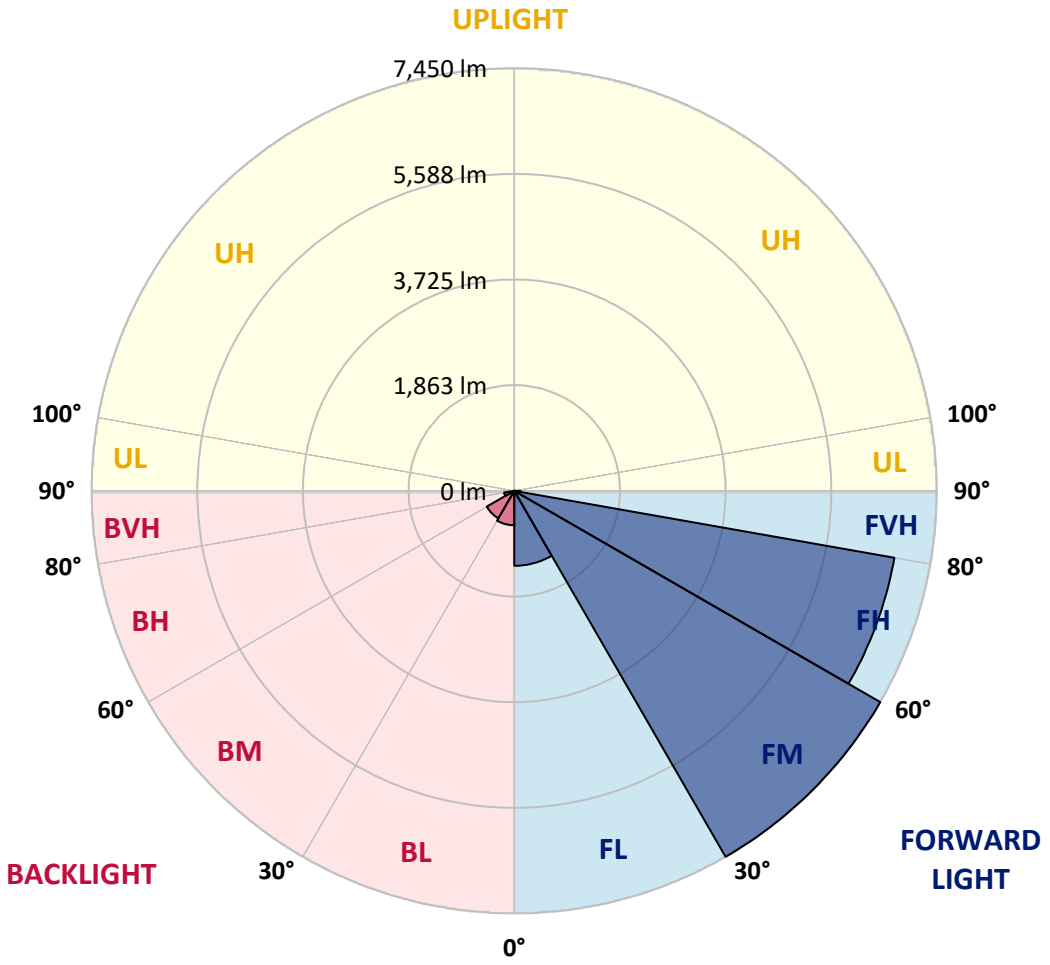
LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	1321.6	7.8			
FM	(30°-60°)	7450.2	43.7			
FH	(60°-80°)	6804.0	39.9			G3/7500
FVH	(80°-90°)	109.6	0.6			G2/225
BL	(0°-30°)	607.0	3.6	B2/1000		
BM	(30°-60°)	559.2	3.3	B1/1000		
BH	(60°-80°)	180.7	1.1	B1/500		G1/500
BVH	(80°-90°)	1.8	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-G3
Type III Medium



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Scaled Data Report

REPORT NUMBER: P321750
CATALOG NUMBER: GLEON-SA6A-830-U-T3R-HSS

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	54°	55°	65°	75°	85°
0°	3285.1	3285.1	3285.1	3285.1	3285.1	3285.1	3285.1	3285.1	3285.1	3285.1	3285.1
2.5°	3188.7	3192.5	3206.3	3212.4	3226.9	3251.4	3263.7	3264.4	3284.3	3292.0	3298.1
5°	2963.1	2986.0	3009.0	3033.4	3077.8	3136.7	3194.8	3200.2	3264.4	3311.8	3337.1
7.5°	2768.8	2789.4	2817.0	2856.0	2918.7	3011.2	3108.4	3119.9	3241.5	3349.3	3405.9
10°	2569.2	2586.0	2625.8	2683.1	2769.6	2893.5	3024.3	3043.4	3220.8	3399.8	3499.2
12.5°	2355.8	2365.7	2413.9	2496.5	2623.5	2781.0	2953.1	2978.4	3207.8	3457.9	3609.4
15°	2193.6	2198.2	2244.1	2329.8	2475.1	2680.1	2898.0	2928.6	3210.9	3527.5	3729.5
17.5°	2152.3	2154.6	2179.1	2238.0	2366.5	2589.8	2854.5	2891.9	3220.1	3595.6	3850.3
20°	2319.8	2303.8	2278.5	2269.3	2324.4	2535.5	2828.4	2870.5	3232.3	3656.0	3958.9
22.5°	2779.5	2732.1	2627.3	2487.3	2402.4	2539.3	2835.3	2877.4	3271.3	3730.2	4084.3
25°	3461.8	3396.0	3217.8	2942.4	2677.8	2649.5	2892.7	2935.5	3347.0	3818.9	4204.4
27.5°	4238.1	4173.1	3955.1	3561.9	3110.7	2867.5	3024.3	3064.0	3459.5	3897.7	4296.2
30°	4981.5	4963.2	4706.2	4259.5	3655.3	3220.8	3194.0	3227.7	3542.8	3945.1	4368.9
32.5°	5611.8	5582.7	5376.2	4941.8	4278.6	3645.3	3393.7	3403.6	3605.5	4006.3	4463.7
35°	6196.1	6160.2	5978.9	5568.2	4918.0	4163.9	3701.2	3686.6	3742.5	4129.5	4601.4
37.5°	6706.3	6739.2	6538.0	6147.2	5491.7	4703.1	4115.7	4072.1	3956.6	4329.9	4801.0
40°	7133.1	7133.1	7028.3	6702.5	6111.2	5260.7	4584.6	4527.2	4278.6	4638.9	5054.2
42.5°	7286.8	7319.7	7358.7	7174.4	6665.7	5840.5	5107.0	5047.3	4732.2	5077.1	5373.9
45°	7296.0	7348.0	7547.6	7546.9	7166.7	6416.4	5695.9	5667.6	5313.5	5640.1	5770.1
47.5°	7166.7	7231.7	7560.6	7747.3	7563.7	6952.6	6339.9	6304.7	5996.5	6330.0	6184.6
50°	6967.1	7039.0	7421.4	7826.0	7833.7	7419.1	7018.3	6965.6	6748.3	7118.5	6613.0
52.5°	6609.9	6749.1	7296.8	7844.4	8011.1	7822.2	7663.9	7640.9	7589.7	7878.0	6954.1
55°	5845.8	6000.3	6983.9	7850.5	8175.6	8179.4	8268.9	8275.0	8378.3	8587.8	7208.0
57.5°	5484.8	5572.0	6437.8	7879.6	8419.6	8584.8	8885.4	8932.8	9092.6	9261.7	7497.9
60°	5257.6	5360.9	6168.6	7839.8	8802.8	9116.4	9456.7	9472.8	9644.1	9956.9	7890.3
62.5°	5076.4	5178.1	5998.8	7686.8	9233.4	9755.8	10015.1	10016.6	10145.1	10785.3	8336.2
65°	4628.9	4714.6	5655.4	7514.7	9517.9	10388.3	10663.7	10653.7	10758.5	11658.7	8854.0
67.5°	3981.9	4047.6	4954.0	6862.3	9410.8	10963.5	11642.7	11609.8	11482.8	12413.7	9057.5
70°	3078.6	3102.3	3904.6	5718.8	8407.3	11184.5	12588.8	12572.0	11927.2	12278.3	8311.7
71°	2544.7	2622.7	3441.1	5047.3	7735.0	10980.3	12680.6	12690.5	11815.5	11909.6	7798.5
72.5°	1477.7	1544.2	2494.2	3876.3	6567.1	10128.3	12204.8	12276.7	11293.9	10832.7	6661.2
75°	316.7	338.8	924.7	1876.2	3612.4	7098.7	9633.4	9889.6	9205.1	7369.4	4014.7
77.5°	220.3	237.9	396.2	851.3	1193.9	3507.6	5984.3	6273.4	5499.3	2769.6	1285.0
80°	174.4	194.3	309.0	420.7	322.8	1131.2	2803.2	2979.9	1834.1	618.0	216.5
82.5°	97.1	115.5	240.9	227.2	123.9	214.9	784.7	887.2	367.1	124.7	51.2
85°	28.3	34.4	155.3	165.2	52.8	41.3	133.9	166.0	69.6	32.9	22.9
87.5°	0.0	0.0	75.0	63.5	15.3	6.1	12.2	13.8	13.8	13.8	15.3
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: P321750
CATALOG NUMBER: GLEON-SA6A-830-U-T3R-HSS

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	3285.1	3285.1	3285.1	3285.1	3285.1	3285.1	3285.1	3285.1	3285.1	3285.1	3285.1
2.5°	3298.1	3303.4	3284.3	3259.1	3232.3	3199.4	3165.0	3138.2	3137.5	3124.4	3111.4
5°	3338.6	3335.5	3282.8	3202.5	3107.6	3009.0	2914.9	2808.6	2773.4	2729.8	2715.2
7.5°	3413.6	3392.1	3280.5	3104.6	2896.5	2690.0	2476.6	2261.7	2169.9	2087.3	2072.8
10°	3507.6	3467.1	3265.9	2957.7	2576.0	2195.1	1873.1	1581.0	1452.5	1353.8	1349.2
12.5°	3605.5	3543.6	3225.4	2735.9	2156.1	1620.7	1249.8	962.2	855.1	786.3	792.4
15°	3708.0	3615.5	3138.2	2436.8	1678.1	1099.9	767.9	598.9	556.1	538.5	543.0
17.5°	3812.8	3665.2	3016.6	2076.6	1206.2	709.8	531.6	484.2	484.2	488.0	489.5
20°	3903.8	3692.0	2837.6	1672.7	817.6	517.0	465.0	458.2	462.0	468.1	468.9
22.5°	3994.1	3693.5	2604.3	1263.5	572.1	452.8	442.9	439.8	442.1	449.0	449.7
25°	4067.5	3675.1	2312.2	898.7	456.6	426.8	422.2	420.7	422.2	430.6	430.6
27.5°	4097.3	3608.6	1955.7	631.8	409.2	397.7	396.2	397.7	400.0	406.1	406.9
30°	4100.4	3492.3	1567.2	457.4	371.0	358.7	361.8	367.1	364.8	363.3	364.8
32.5°	4108.1	3357.7	1188.6	376.3	338.8	319.7	315.9	315.9	306.7	301.4	298.3
35°	4133.3	3199.4	862.0	338.1	305.9	283.8	269.2	252.4	234.8	225.6	223.3
37.5°	4173.1	3033.4	617.2	312.8	276.9	251.6	224.1	194.3	169.0	162.2	162.2
40°	4245.7	2862.1	456.6	292.9	253.9	222.6	181.3	142.3	119.3	115.5	115.5
42.5°	4360.5	2681.6	364.1	275.3	234.0	192.7	138.4	103.3	86.4	84.1	83.4
45°	4479.8	2482.7	318.2	258.5	212.6	158.3	102.5	76.5	66.5	64.2	64.2
47.5°	4599.1	2270.9	296.0	242.5	192.0	123.1	76.5	60.4	55.8	55.8	56.6
50°	4700.1	2049.8	279.9	224.9	165.2	93.3	60.4	51.2	49.7	52.8	53.5
52.5°	4725.3	1832.6	260.1	202.7	132.3	71.1	49.7	45.1	45.1	45.1	45.1
55°	4710.0	1664.3	234.0	175.2	97.9	56.6	42.8	39.8	39.0	39.0	39.0
57.5°	4762.0	1564.9	187.4	136.1	70.4	45.9	37.5	35.2	33.7	32.9	32.9
60°	4866.8	1499.9	133.9	97.9	52.8	38.2	32.1	29.8	27.5	26.0	26.0
62.5°	5006.0	1443.3	99.4	72.7	40.5	30.6	26.8	24.5	21.4	19.9	19.9
65°	5113.1	1342.3	75.7	54.3	30.6	24.5	20.7	19.9	15.3	13.8	13.0
67.5°	4949.4	1120.5	61.2	39.8	22.9	19.1	16.1	15.3	9.2	7.6	7.6
70°	4245.0	780.2	49.0	29.1	16.8	15.3	13.0	9.9	6.9	6.1	6.1
71°	*3849.5*	*651.7*	*44.4*	*24.5*	*14.5*	*14.5*	*12.2*	*8.4*	*6.1*	*5.4*	*5.4*
72.5°	3197.9	462.7	37.5	19.1	13.0	15.3	13.0	7.6	6.1	5.4	4.6
75°	1856.3	193.5	26.0	13.0	9.9	18.4	16.8	6.9	4.6	3.8	3.8
77.5°	558.3	71.1	14.5	8.4	7.6	16.1	19.1	6.1	2.3	0.8	0.8
80°	101.7	30.6	9.2	5.4	5.4	9.9	14.5	3.1	0.0	0.0	0.0
82.5°	35.9	15.3	5.4	3.1	2.3	4.6	6.9	0.0	0.0	0.0	0.0
85°	20.7	10.7	3.1	1.5	0.0	0.8	1.5	0.0	0.0	0.0	0.0
87.5°	13.8	3.1	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

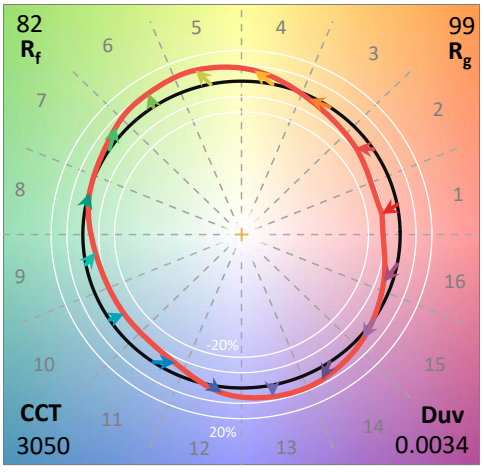
Test Information

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

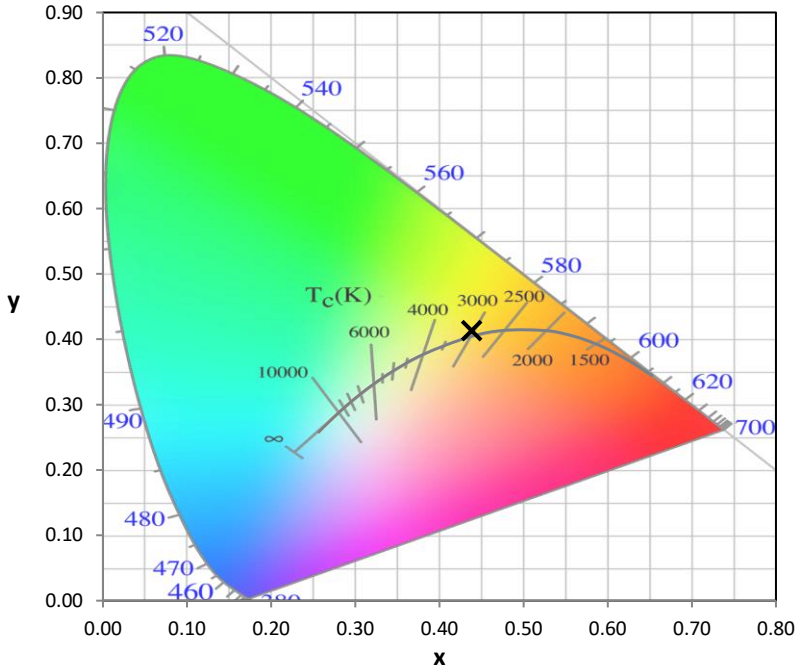
Stabilization Time:	20M
Operation Time:	1H 20M
Sphere Temperature (°C):	24.2

REPORT NUMBER: SP1-2408-195-9

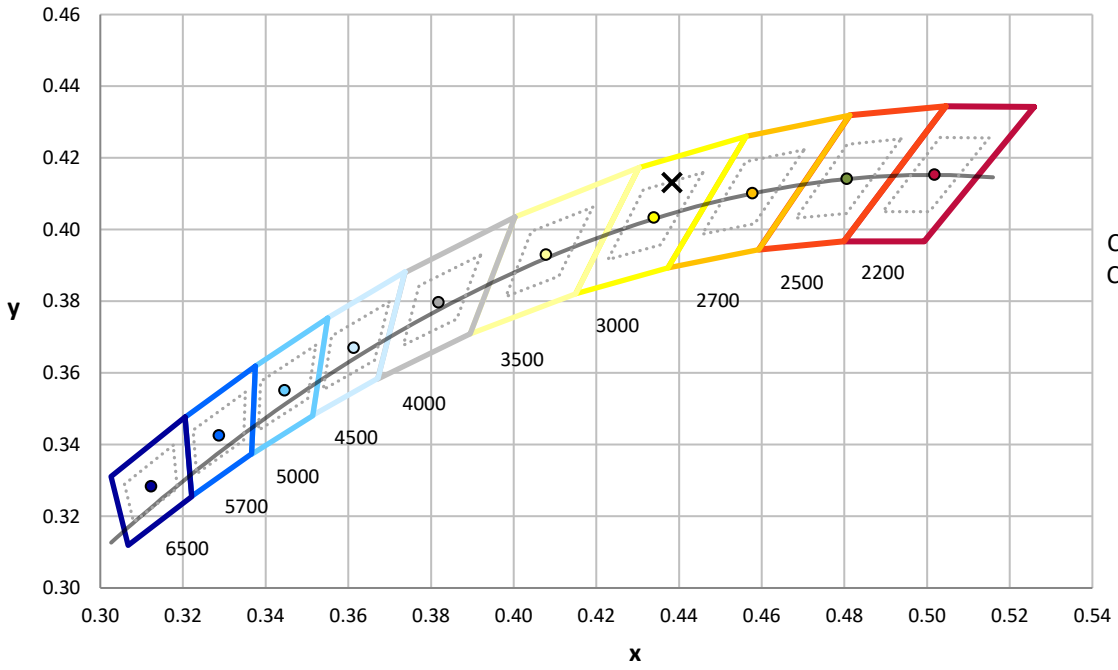
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

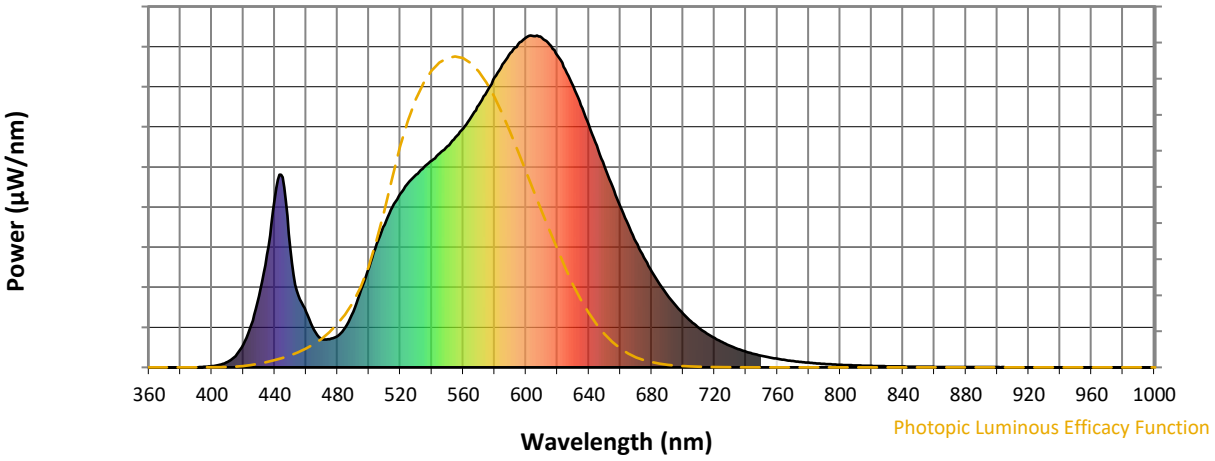


CCT = 3050K
CIE x = 0.4383
CIE y = 0.4131
Duv = 0.0034

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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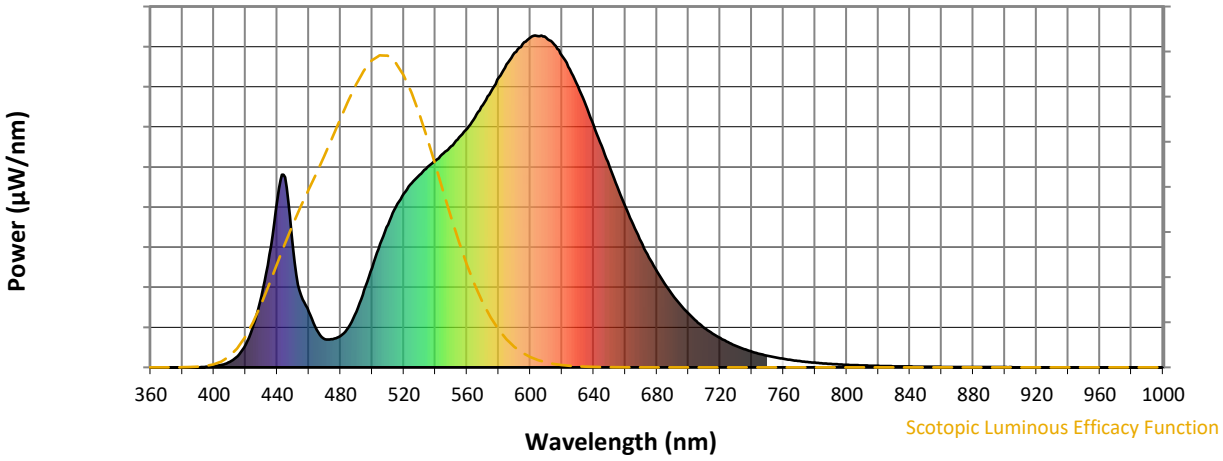
Scotopic Flux vs. Wavelength



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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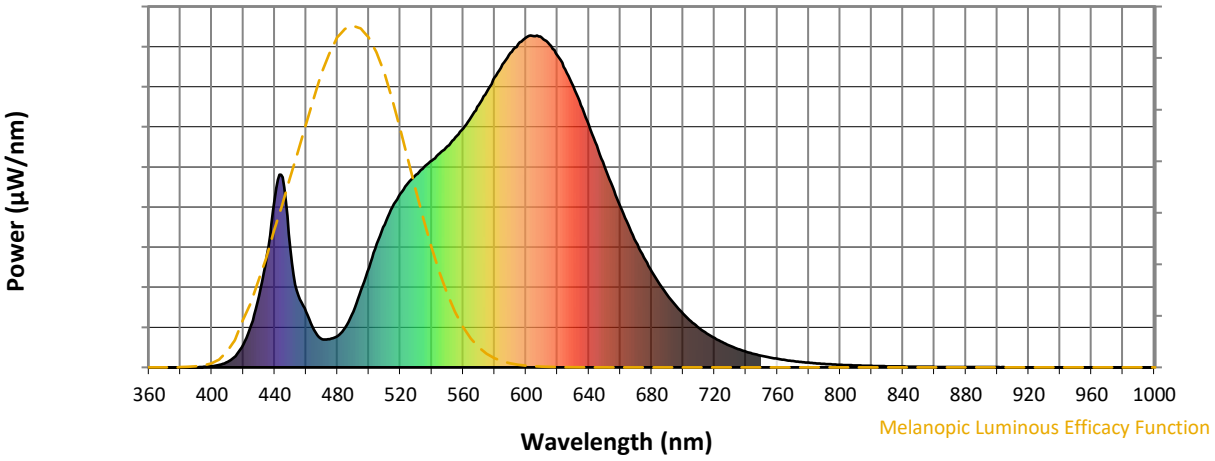
Melanopic Flux vs. Wavelength



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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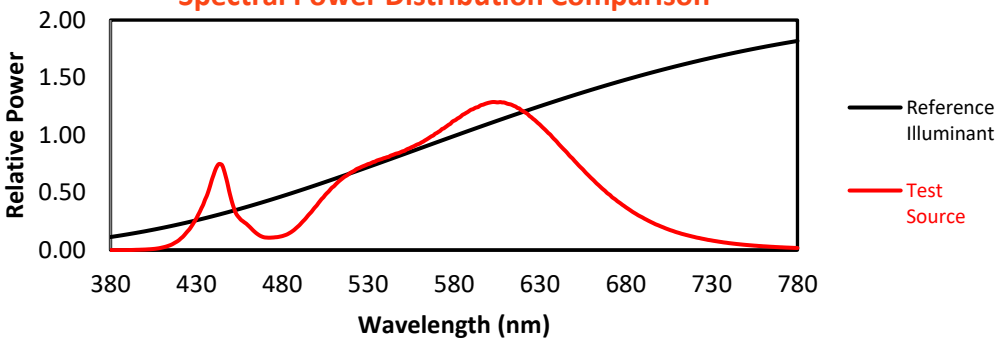
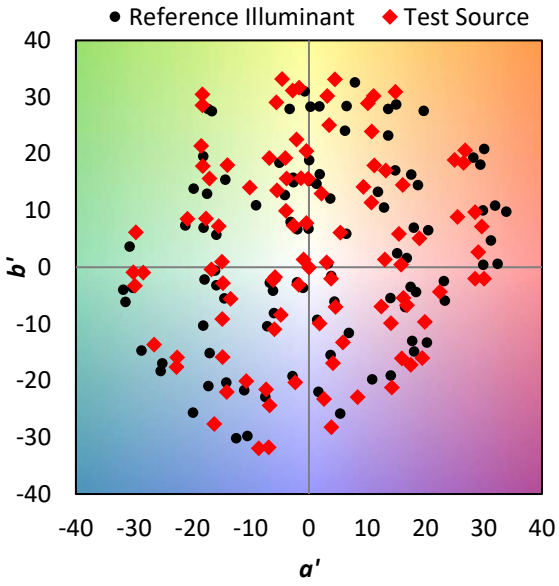
Summary

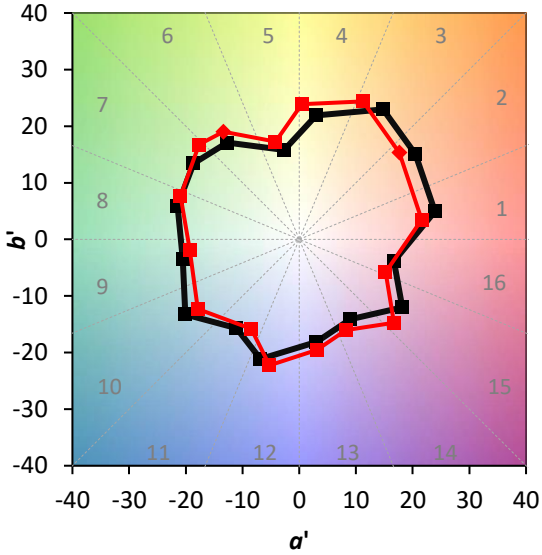
R_f = 81.5
R_g = 99.2
CIE R_a = 81.0
R_9 = 7.1

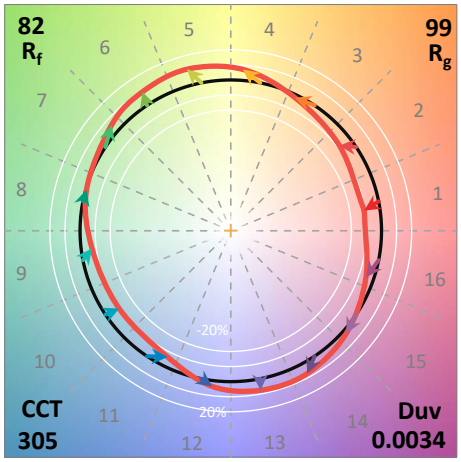
Spectral Power Distribution Comparison

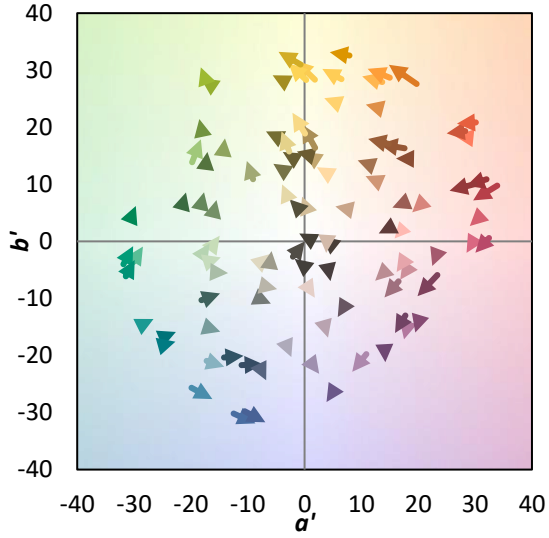


Color Vector Graphics









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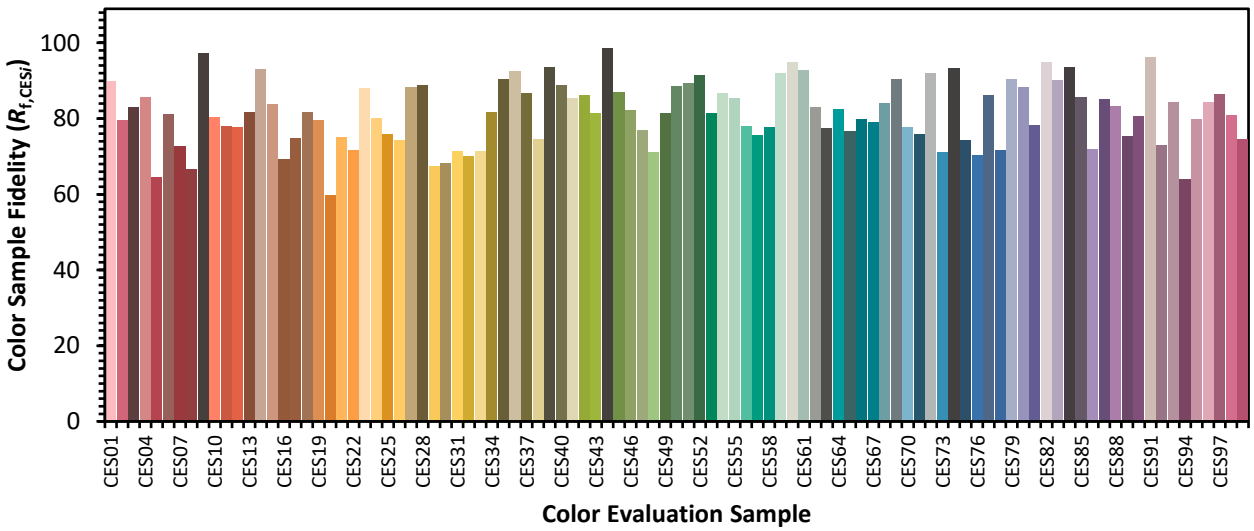
Individual Sample Fidelity Index ($R_{f,i}$)

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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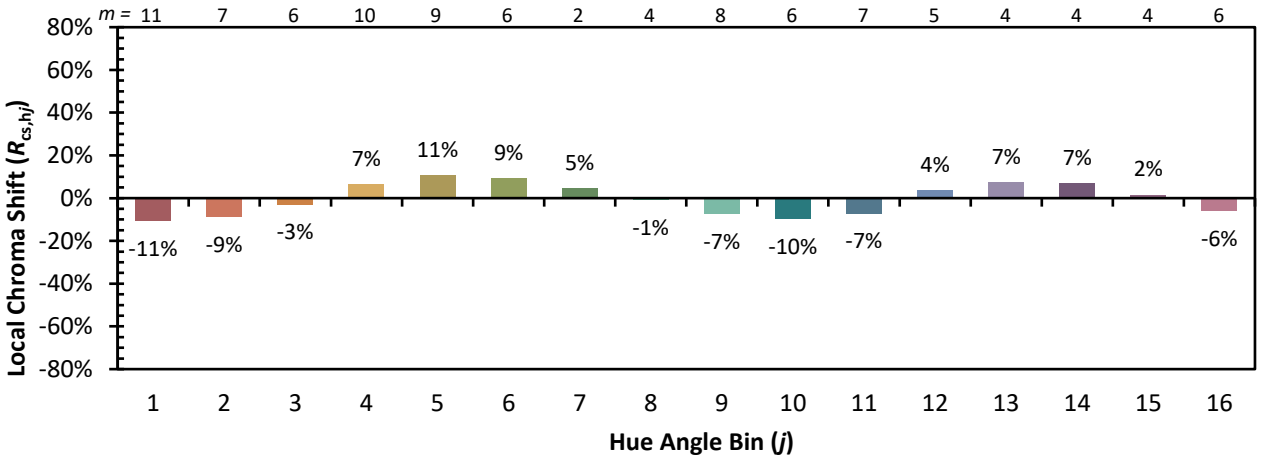
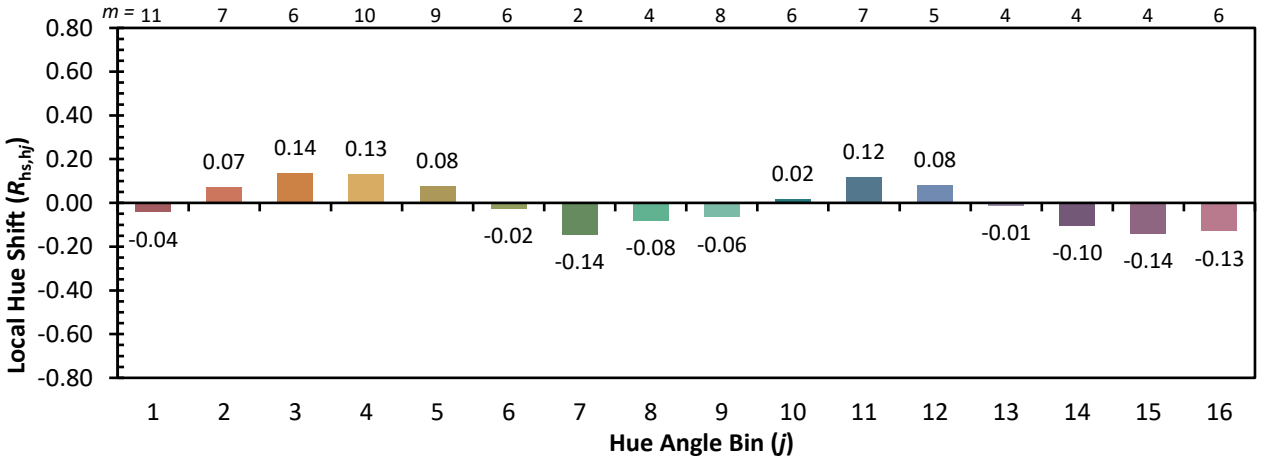
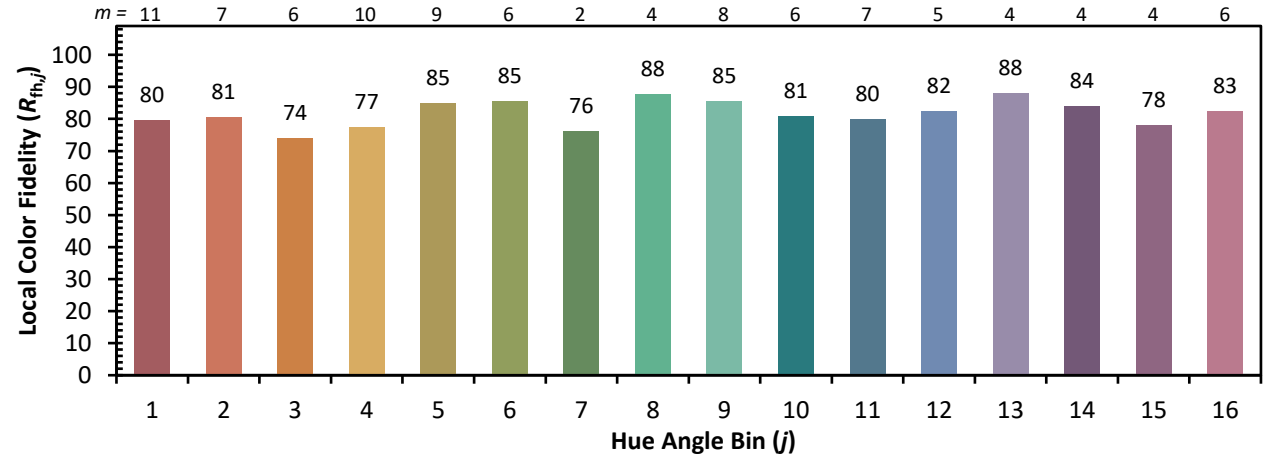
Color Rendition by Hue-Angle Bin







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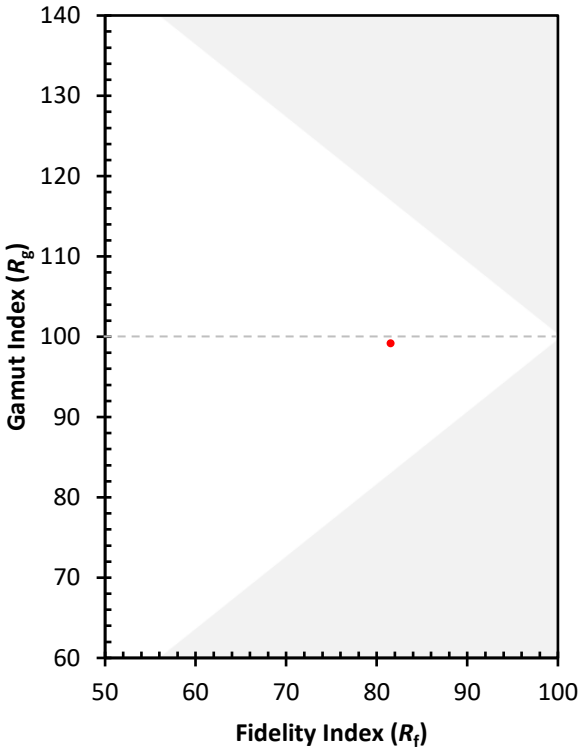
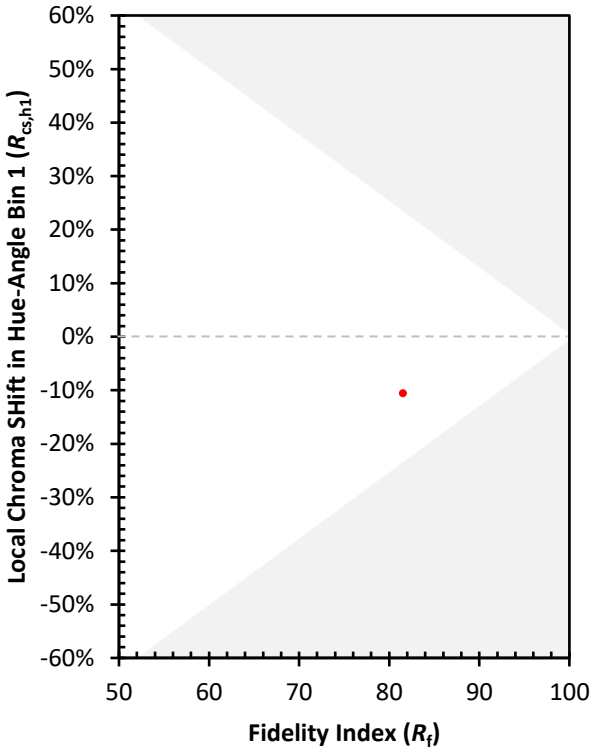
Measure Comparisons





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