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: P323687

Luminaire Tested: **GLEON-SA3C-830-U-SL3-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:	P323687
	TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-23)
Test Lab:	INNOVATION CENTER
Issue Date:	3/3/2020
Manufacturer:	COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line:	McGRAW-EDISON
Catalog Number:	GLEON-SA3C-830-U-SL3-HSS
Description:	GALLEON AREA AND ROADWAY LUMINAIRE
	(3) 80 CRI, 3000K, 1050mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III
	SPILL LIGHT ELIMINATOR OPTICS WITH HOUSE SIDE SHIELD
Light Source:	-
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	14660 lumens
Efficiency:	N/A
Efficacy:	88.3 lumens/watt
Luminous Opening:	Rectangular (W 1' x L: 1' x H: 0')
IES Classification:	Type III - Medium
BUG Rating:	B2 - U0 - G3

Input Watts (W):	166
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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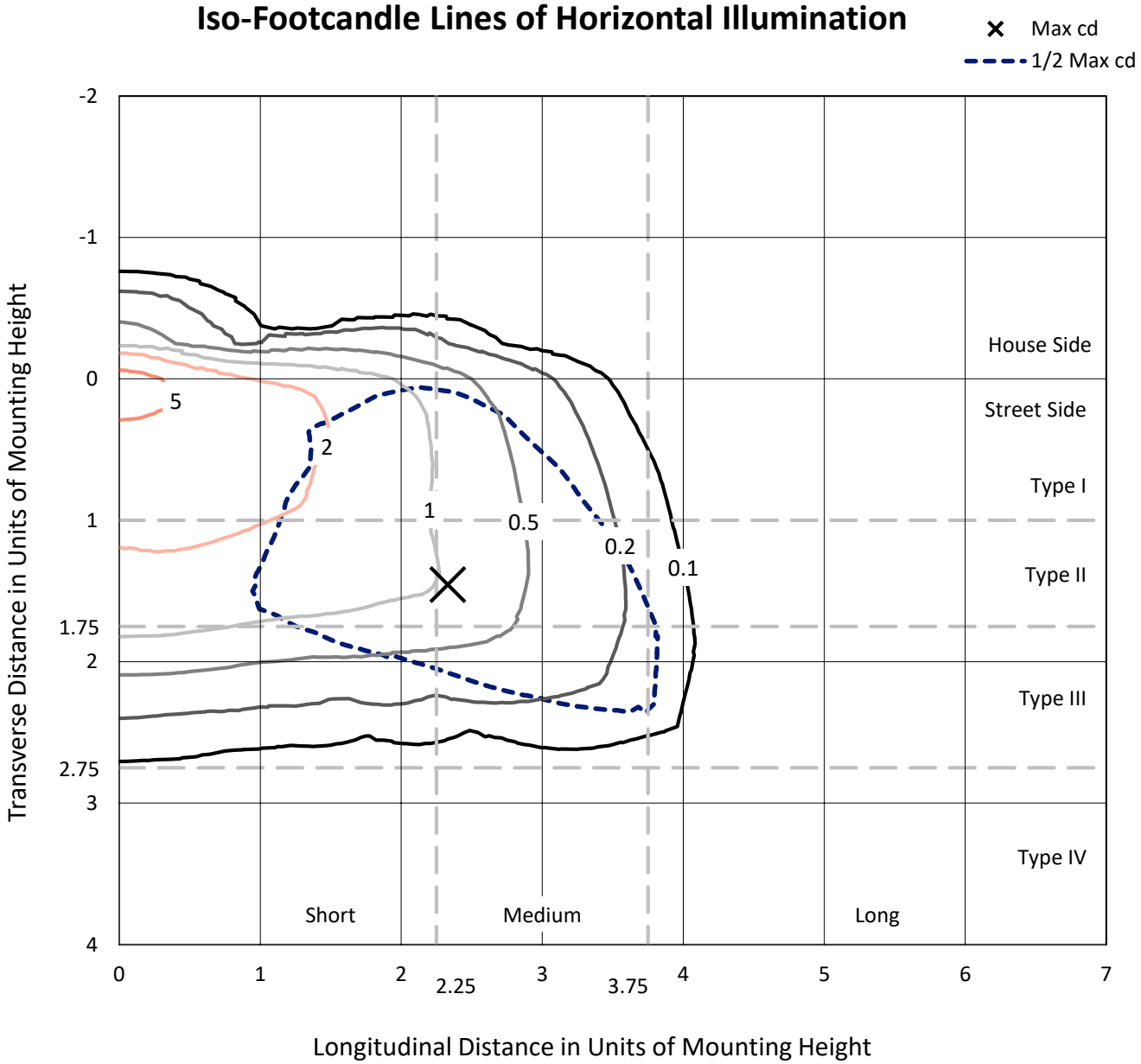
Scaled Data Report

REPORT NUMBER: P323687
CATALOG NUMBER: GLEON-SA3C-830-U-SL3-HSS

Iso-Footcandle Lines of Horizontal Illumination



Based on 25 foot mounting height. Maximum calculated value = 7 fc
Type III - Medium - N/A

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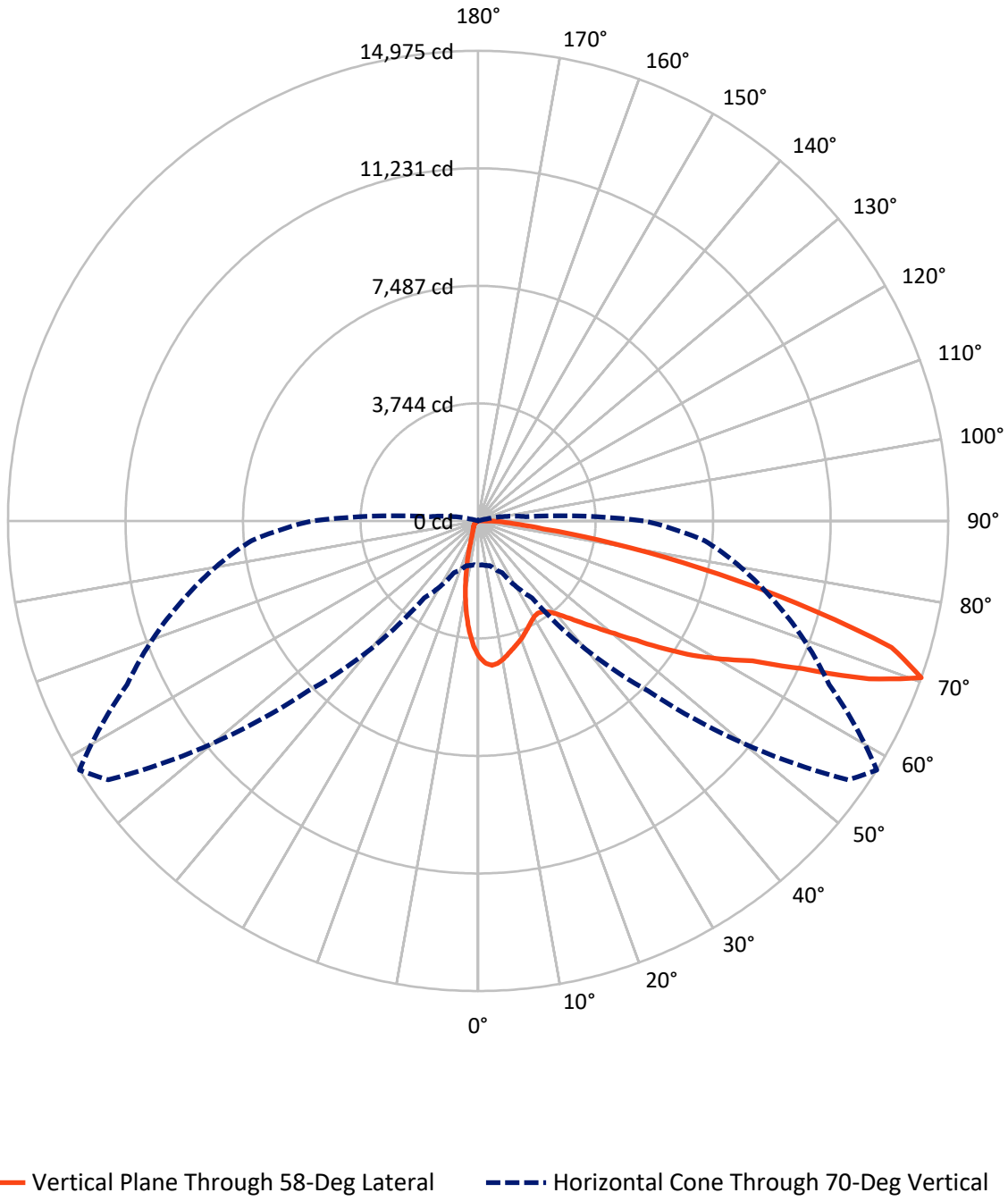
Luminous Intensity Polar Plot



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REPORT NUMBER: P323687
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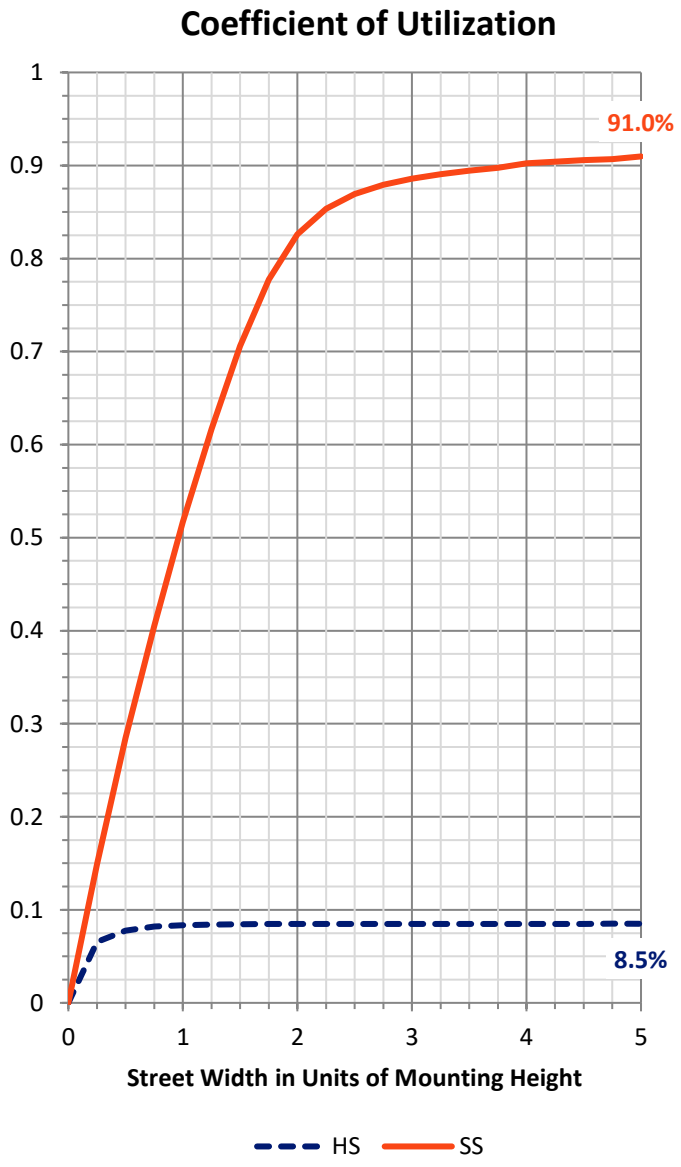
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1254.6	0.0	1254.6
	% Fixture	8.6	0.0	8.6
Street Side	Lumens	13405.4	0.0	13405.4
	% Fixture	91.4	0.0	91.4
Total	Lumens	14660.0	0.0	14660.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	354.1	2.4
10°-20°	743.2	5.1
20°-30°	977.1	6.7
30°-40°	1294.0	8.8
40°-50°	1934.2	13.2
50°-60°	3098.5	21.1
60°-70°	3905.6	26.6
70°-80°	2106.7	14.4
80°-90°	246.6	1.7
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°	14660.0	100.0
0°-180°	14660.0	100.0



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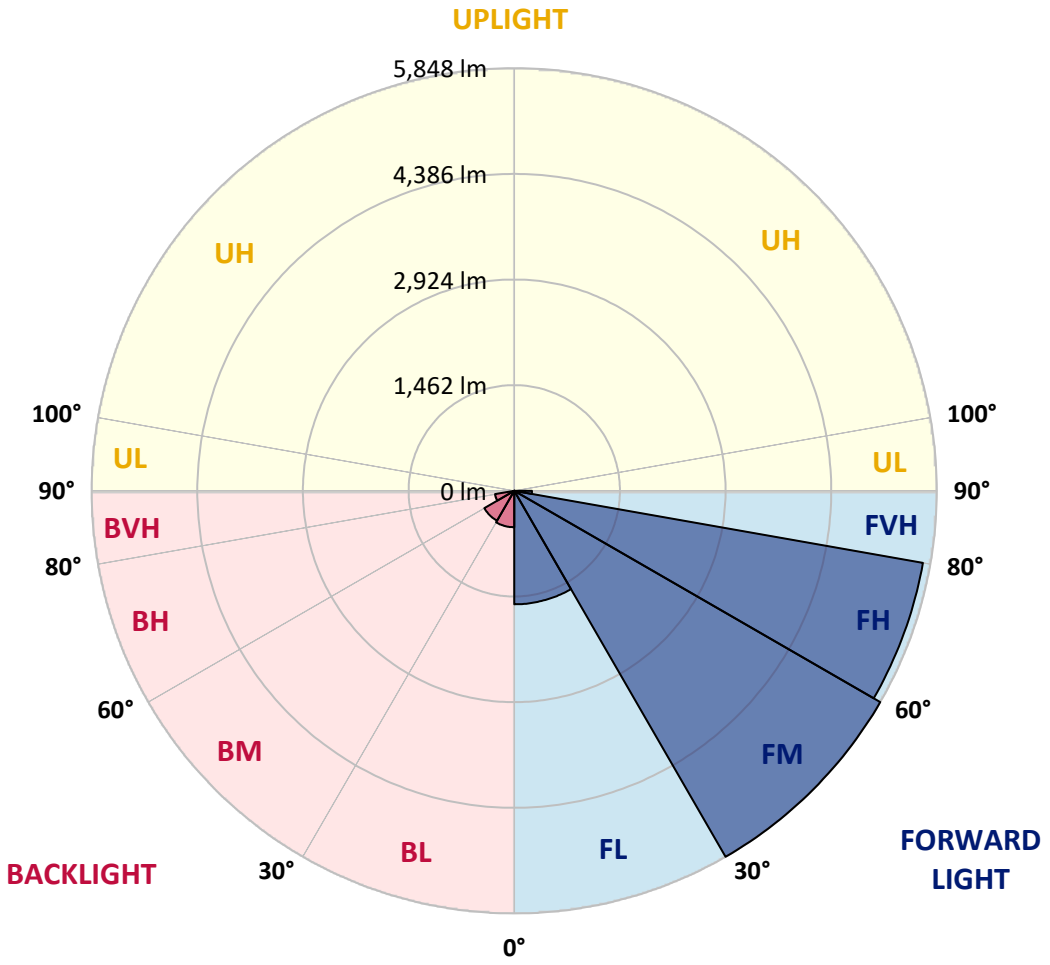
REPORT NUMBER: P323687
CATALOG NUMBER: GLEON-SA3C-830-U-SL3-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	1570.4	10.7			
FM	(30°-60°)	5848.1	39.9			
FH	(60°-80°)	5742.5	39.2			G3/7500
FVH	(80°-90°)	244.5	1.7			G3/500
BL	(0°-30°)	504.0	3.4	B2/1000		
BM	(30°-60°)	478.6	3.3	B1/1000		
BH	(60°-80°)	269.8	1.8	B1/500		G1/500
BVH	(80°-90°)	2.1	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: P323687
CATALOG NUMBER: GLEON-SA3C-830-U-SL3-HSS

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	58°	65°	75°	85°
0°	4330.5	4330.5	4330.5	4330.5	4330.5	4330.5	4330.5	4330.5	4330.5	4330.5	4330.5
2.5°	4689.5	4678.0	4673.7	4666.4	4638.3	4610.9	4556.7	4541.4	4507.3	4426.2	4340.2
5°	4693.2	4692.6	4705.4	4702.3	4692.6	4679.8	4640.8	4620.7	4562.7	4446.9	4289.7
7.5°	4467.0	4478.6	4507.3	4530.4	4557.3	4592.0	4596.9	4577.4	4529.8	4404.9	4196.4
10°	4163.5	4181.8	4222.0	4267.7	4337.8	4407.3	4469.5	4467.0	4450.6	4327.4	4084.2
12.5°	3859.3	3880.6	3926.9	3994.6	4094.0	4207.4	4318.3	4333.5	4361.0	4258.0	3980.6
15°	3592.9	3611.2	3656.9	3739.8	3862.9	4015.3	4178.1	4206.1	4276.9	4203.7	3894.0
17.5°	3366.7	3378.3	3411.8	3503.9	3646.5	3831.2	4042.8	4097.6	4203.1	4161.0	3819.1
20°	3208.9	3210.7	3232.6	3297.2	3439.9	3646.5	3902.6	3981.2	4125.1	4124.5	3741.6
22.5°	3130.8	3124.7	3129.0	3166.2	3271.0	3470.4	3762.4	3855.6	4055.0	4093.4	3663.0
25°	3116.2	3111.3	3099.1	3104.0	3167.4	3316.1	3620.9	3728.8	3993.4	4074.5	3594.7
27.5°	3161.9	3166.8	3146.1	3124.1	3129.0	3216.2	3495.4	3620.3	3943.4	4074.5	3546.6
30°	3254.0	3256.4	3241.2	3212.5	3174.1	3188.1	3408.2	3533.2	3918.4	4102.5	3516.1
32.5°	3355.8	3369.2	3367.3	3344.2	3289.3	3232.6	3387.5	3501.5	3916.6	4164.7	3513.0
35°	3482.0	3497.2	3522.8	3517.9	3460.6	3367.3	3458.2	3547.8	3952.6	4267.1	3546.0
37.5°	3616.1	3639.2	3694.1	3720.3	3683.1	3577.7	3616.7	3680.7	4048.9	4432.9	3629.5
40°	3745.9	3772.1	3872.1	3975.1	3947.1	3838.6	3856.8	3908.1	4220.2	4671.3	3788.0
42.5°	3873.3	3912.3	4059.2	4228.7	4262.2	4175.7	4185.4	4226.3	4474.4	4999.2	4047.0
45°	4025.7	4069.6	4287.2	4496.3	4585.9	4548.1	4589.6	4616.4	4806.6	5432.6	4396.3
47.5°	4249.4	4300.0	4567.0	4805.4	4962.6	4987.0	5070.5	5088.2	5226.6	5937.4	4851.7
50°	4685.9	4699.9	4941.3	5157.7	5384.5	5530.8	5625.9	5639.3	5735.0	6489.0	5420.4
52.5°	5235.1	5244.3	5380.8	5525.9	5783.7	6082.4	6304.9	6323.8	6344.0	7026.7	5981.9
55°	5780.7	5779.5	5869.7	5955.0	6250.1	6684.1	7166.9	7178.5	7034.0	7536.9	6411.0
57.5°	6121.5	6154.4	6291.5	6401.3	6813.3	7369.9	8039.8	8082.5	7758.8	7914.9	6835.3
60°	6013.0	6028.8	6333.0	6739.0	7515.0	8344.6	8923.1	8934.1	8303.8	8292.2	7371.7
62.5°	5123.0	5131.5	5609.4	6446.4	7870.4	9608.9	9988.7	9810.1	8930.4	8815.8	8013.6
65°	3511.2	3566.7	3966.0	5000.4	7217.5	10402.0	11638.2	11342.6	9885.6	9570.5	8593.9
67.5°	2067.7	2056.1	2253.6	3015.6	5301.0	9875.3	13724.8	13431.0	11188.3	10075.8	8423.9
70°	1412.4	1404.5	1480.1	1825.7	2992.5	7660.7	14381.3	14974.5	12338.6	9735.7	7249.8
72.5°	1008.3	1012.5	1124.1	1418.5	1878.7	4463.4	12367.3	13771.1	11978.4	8487.3	5510.7
75°	684.6	696.1	855.9	1163.7	1647.1	2270.7	8776.2	10468.4	9754.0	6168.4	3167.4
77.5°	368.2	381.0	569.4	937.5	1489.2	1577.6	5645.4	7204.7	6126.9	2773.0	918.0
80°	153.6	160.9	266.4	681.5	1286.8	1385.6	3321.6	4368.9	2610.9	546.8	204.8
82.5°	66.4	70.1	110.9	406.6	961.9	1169.8	1758.7	2101.9	791.2	120.1	103.0
85°	12.8	13.4	45.7	215.2	613.9	660.2	1139.9	1117.4	355.4	51.8	75.0
87.5°	0.0	0.0	11.0	67.7	180.4	359.7	695.5	687.0	120.7	25.0	28.0
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: P323687
CATALOG NUMBER: GLEON-SA3C-830-U-SL3-HSS

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	4330.5	4330.5	4330.5	4330.5	4330.5	4330.5	4330.5	4330.5	4330.5	4330.5	4330.5
2.5°	4296.4	4254.3	4165.9	4056.8	3973.3	3881.2	3808.1	3715.4	3675.2	3677.0	3655.1
5°	4200.0	4113.5	3917.8	3670.9	3480.7	3284.4	3115.6	2947.3	2848.0	2815.7	2785.2
7.5°	4062.3	3925.1	3613.0	3232.6	2910.8	2596.2	2322.5	2081.7	1929.3	1855.0	1827.5
10°	3906.8	3714.2	3262.5	2761.4	2301.8	1876.3	1521.5	1213.1	1089.9	1006.4	985.1
12.5°	3770.3	3509.4	2919.9	2278.0	1732.4	1219.2	880.9	688.8	605.3	572.4	566.9
15°	3641.7	3318.0	2590.1	1840.3	1199.7	750.4	560.2	495.0	475.5	470.0	470.0
17.5°	3520.4	3135.7	2267.7	1409.4	793.7	526.1	463.9	449.3	443.2	442.6	443.2
20°	3393.6	2953.4	1950.7	1032.6	554.1	445.6	428.5	420.6	418.8	418.8	418.8
22.5°	3272.3	2771.2	1642.2	737.6	444.4	406.6	398.1	392.6	390.7	390.1	388.9
25°	3155.8	2598.1	1341.1	521.2	390.1	372.5	365.1	357.8	352.3	349.3	347.5
27.5°	3060.1	2443.8	1060.7	418.2	352.3	337.1	328.0	317.0	303.6	297.5	295.0
30°	2983.9	2303.0	817.5	352.9	317.0	301.7	287.7	268.8	249.3	239.0	238.3
32.5°	2924.2	2164.6	620.6	312.1	285.3	266.4	246.3	222.5	199.9	188.4	187.8
35°	2894.9	2042.7	474.3	282.2	257.2	233.5	208.5	182.3	160.3	149.3	148.1
37.5°	2914.4	1939.7	370.0	257.2	233.5	206.0	176.8	149.3	129.8	120.1	119.5
40°	2985.7	1873.9	300.5	235.9	213.4	179.8	148.1	122.5	106.1	98.1	97.5
42.5°	3137.5	1849.5	256.6	218.2	193.8	155.4	123.1	101.2	86.0	80.5	79.2
45°	3391.1	1885.4	226.8	201.2	173.7	132.3	101.8	82.9	69.5	65.2	64.6
47.5°	3728.8	1979.9	205.4	184.7	155.4	111.6	84.7	67.1	56.7	52.4	51.8
50°	4164.1	2129.9	187.8	168.2	138.4	94.5	70.1	53.0	43.9	40.8	40.8
52.5°	4637.7	2308.5	171.9	153.0	121.3	78.6	56.7	40.8	34.7	31.1	31.1
55°	5029.1	2464.6	154.8	141.4	100.6	65.2	43.3	31.1	25.6	23.8	23.8
57.5°	5419.8	2631.0	135.3	121.3	80.5	53.0	32.9	23.2	18.9	17.7	17.7
60°	5926.4	2834.6	116.4	98.8	63.4	40.2	24.4	16.5	14.0	13.4	13.4
62.5°	6483.6	2954.1	99.4	79.2	49.4	29.9	17.7	11.0	10.4	10.4	9.8
65°	6824.3	2785.2	83.5	63.4	38.4	22.6	11.6	7.9	9.1	8.5	7.3
67.5°	6389.7	2180.5	68.3	49.4	29.9	17.1	7.3	5.5	9.8	7.9	6.1
70°	*5290.6*	*1526.4*	*53.0*	*34.7*	*23.8*	*14.6*	*4.9*	*3.7*	*10.4*	*7.9*	*4.9*
72.5°	3959.3	1021.7	42.1	23.2	17.7	12.8	4.3	1.8	9.1	6.7	4.3
75°	2163.4	411.5	33.5	14.6	11.0	9.1	3.0	1.2	6.1	4.9	3.0
77.5°	569.4	108.5	24.4	9.8	6.1	3.7	1.8	0.6	3.0	2.4	1.2
80°	145.1	42.1	15.8	6.7	4.3	1.8	0.0	0.0	0.6	0.0	0.0
82.5°	77.4	17.7	9.8	4.9	2.4	0.0	0.0	0.0	0.0	0.0	0.0
85°	58.5	11.6	5.5	3.0	0.6	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	22.6	3.7	1.8	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

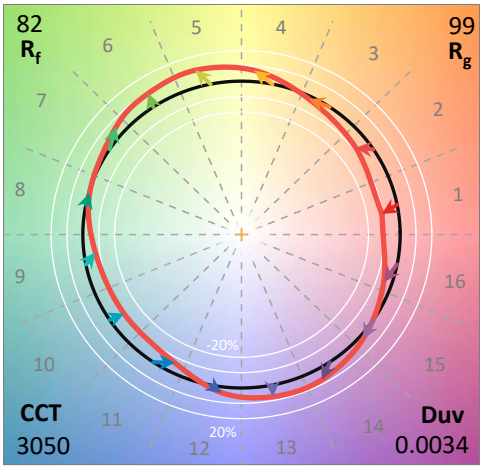
Test Information

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

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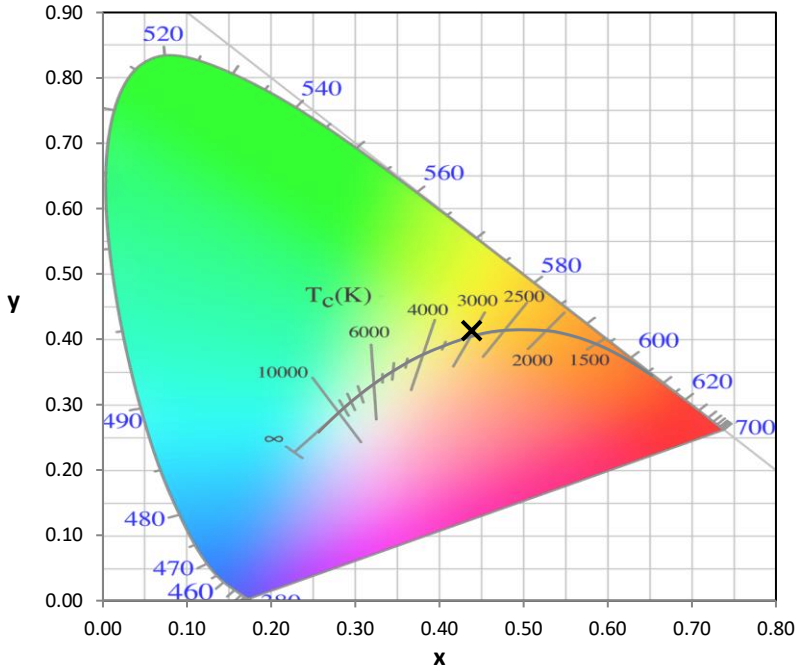
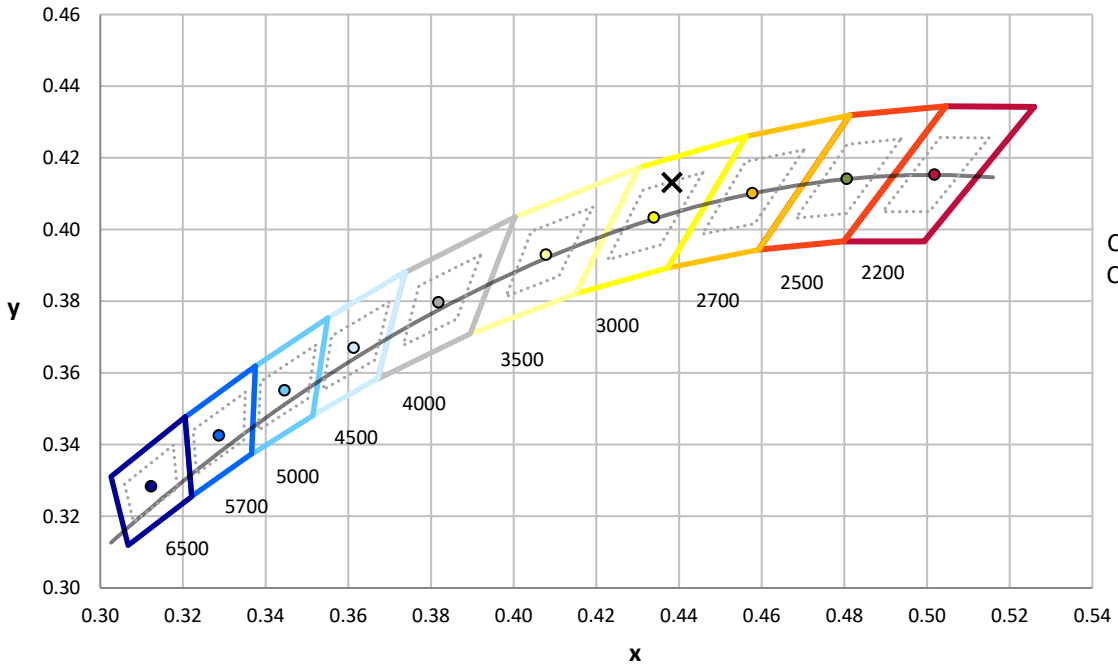
CIE 1931 Chromaticity Diagram



CIE 1931 Chromaticity Diagram with 2017 ANSI 7-Step and 4-Step Quadrangles

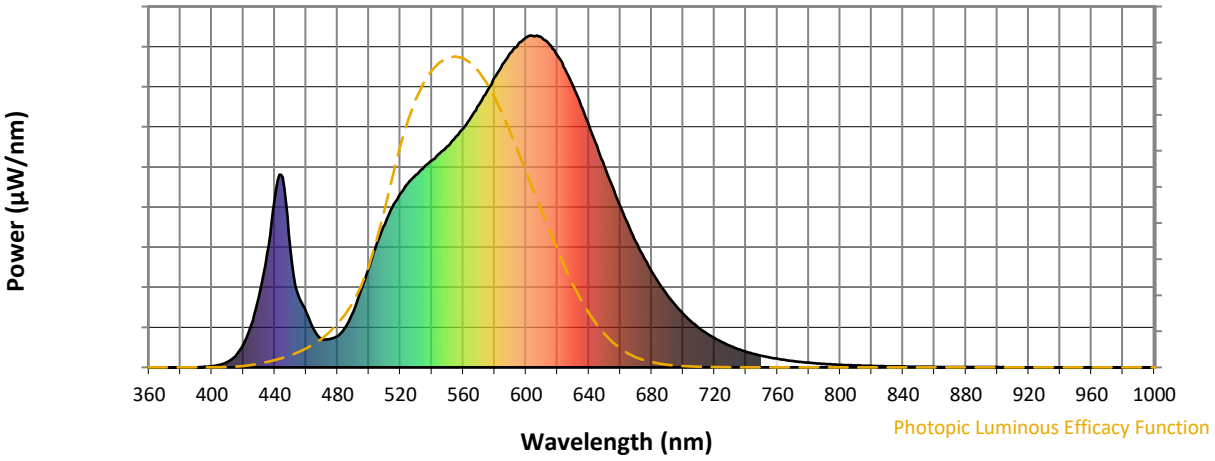


CCT = 3050K
CIE x = 0.4383
CIE y = 0.4131
Duv = 0.0034

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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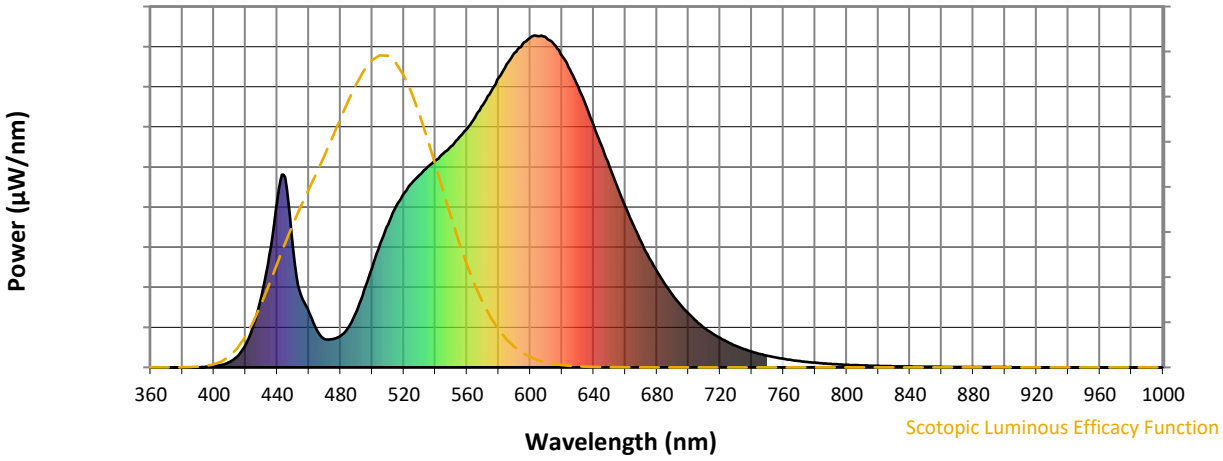
Scotopic Flux vs. Wavelength



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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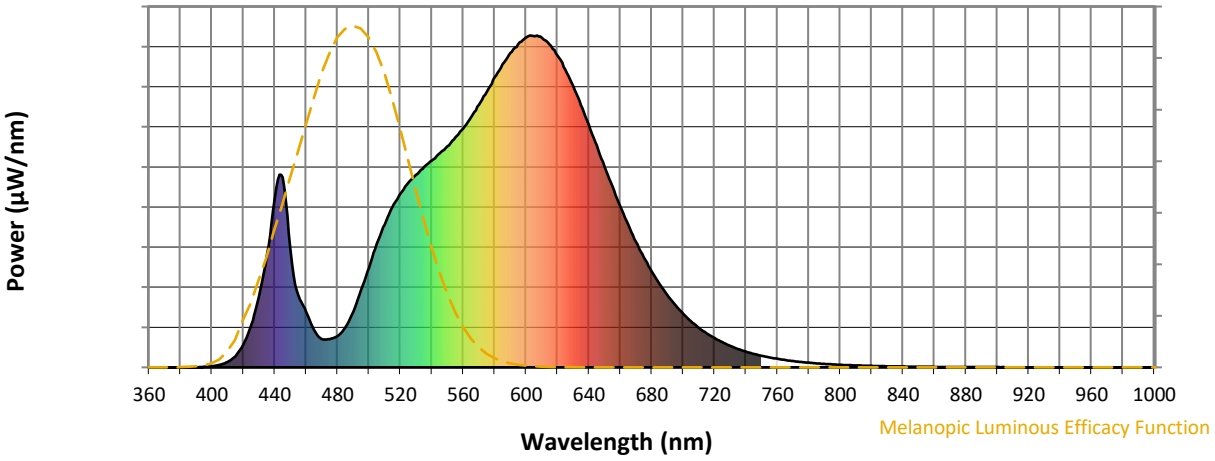
Melanopic Flux vs. Wavelength



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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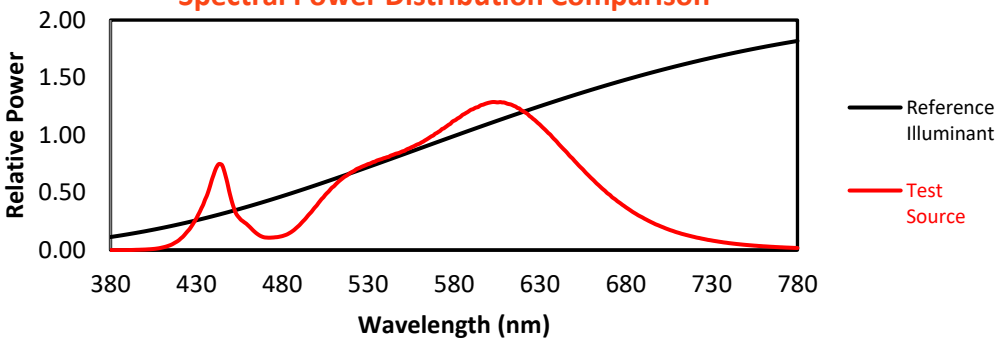
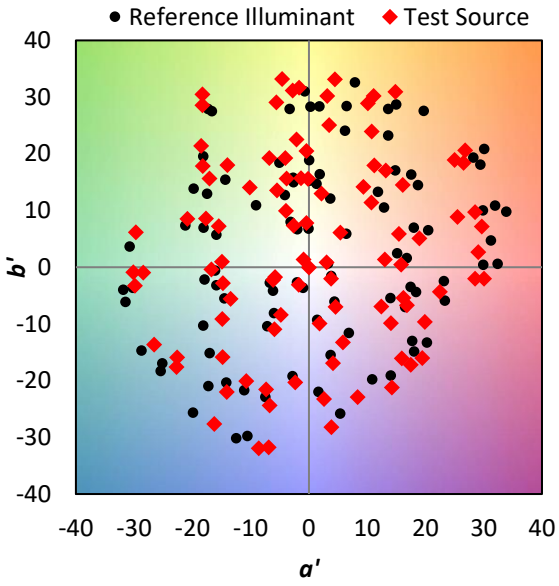
Summary

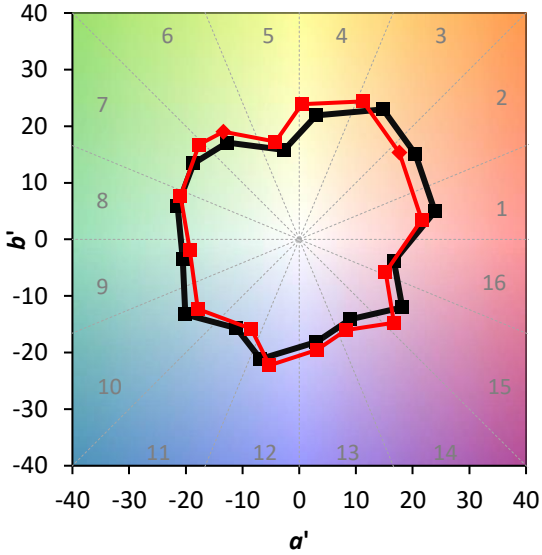
R_f = 81.5
R_g = 99.2
CIE R_a = 81.0
R_9 = 7.1

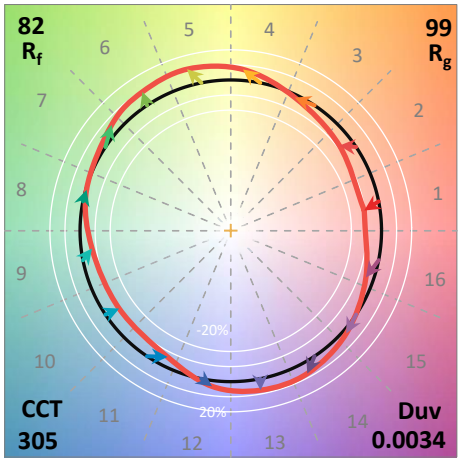
Spectral Power Distribution Comparison

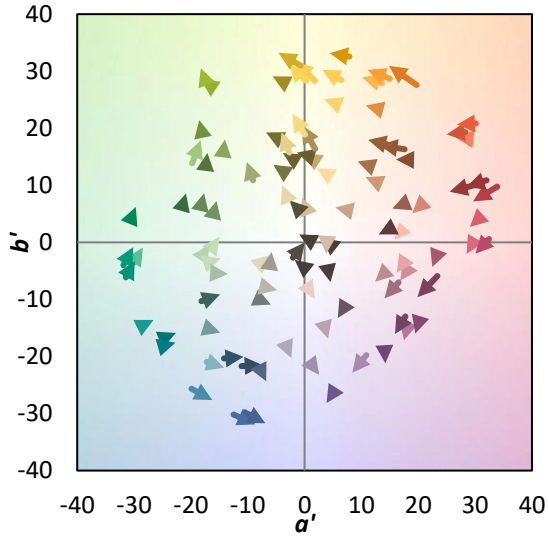


Color Vector Graphics









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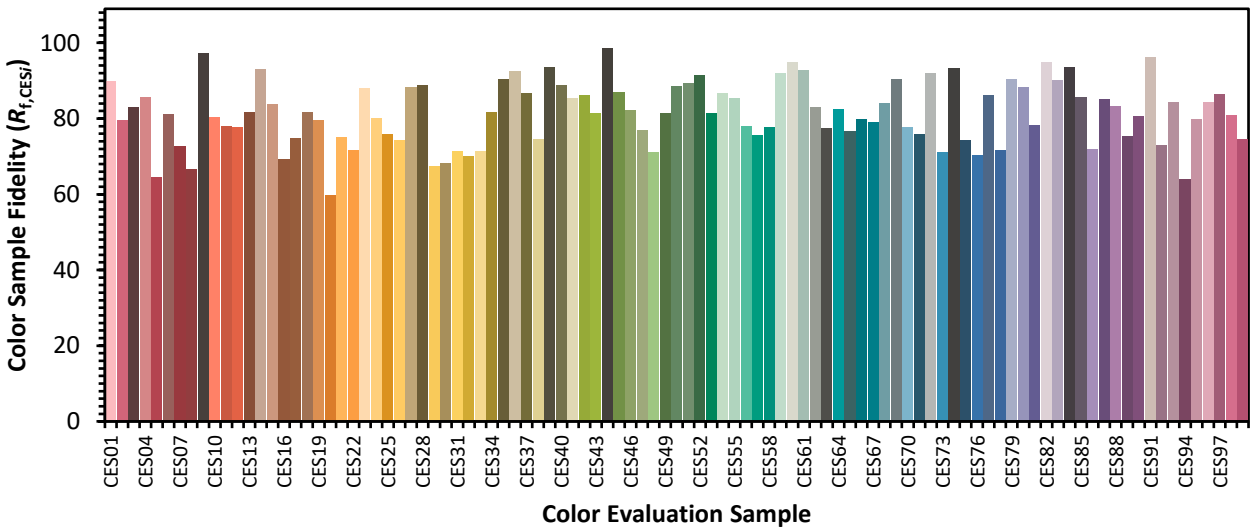
Individual Sample Fidelity Index ($R_{f,i}$)

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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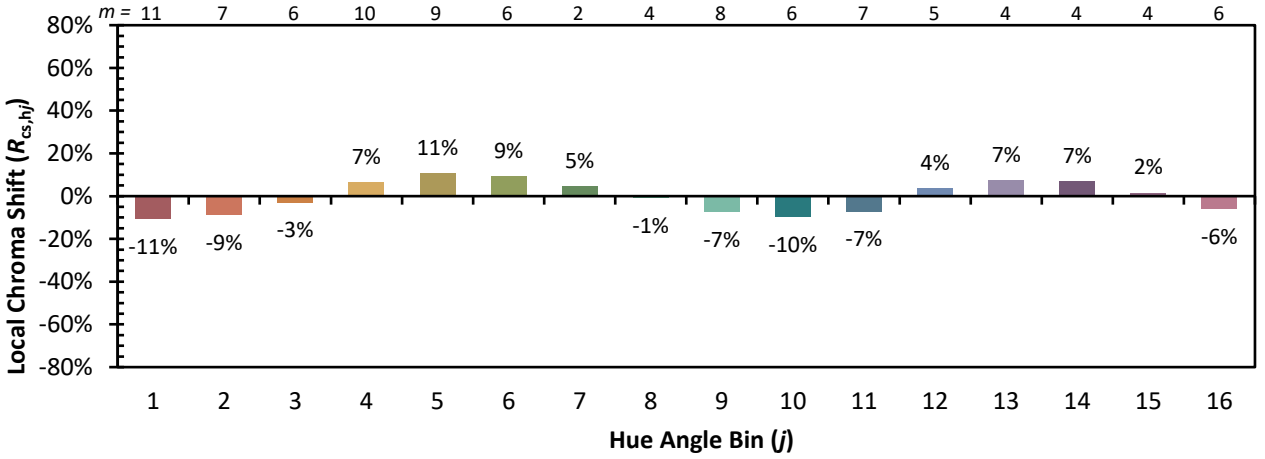
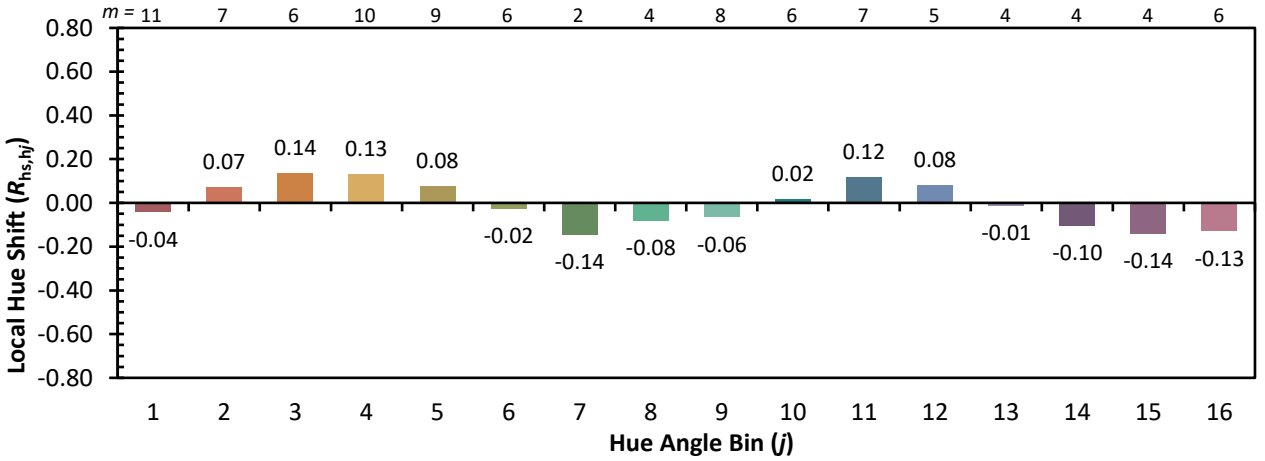
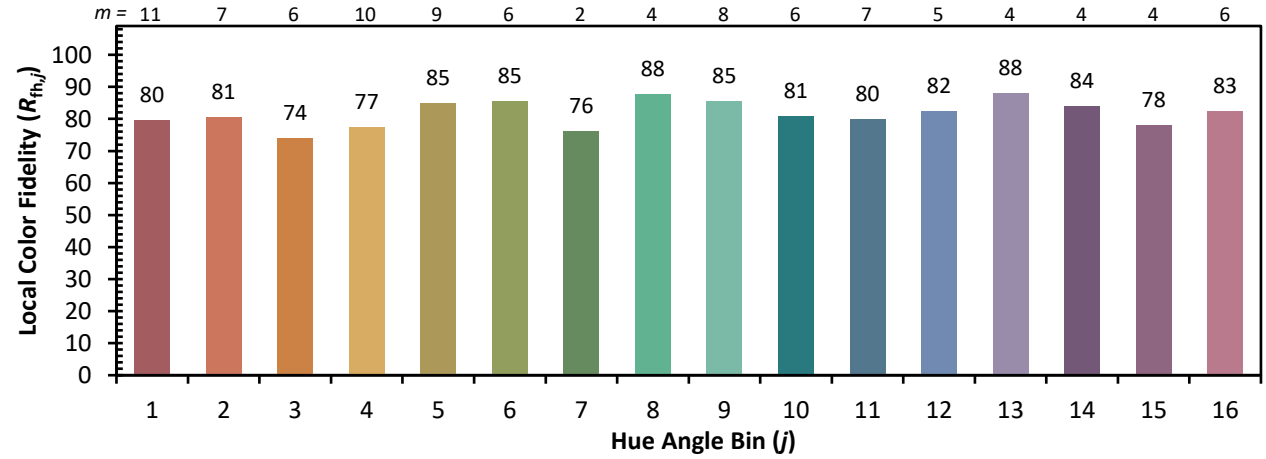
Color Rendition by Hue-Angle Bin







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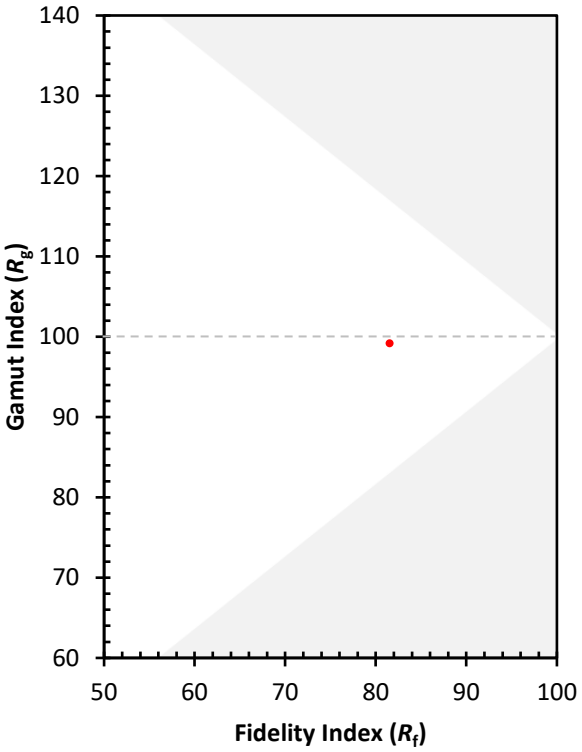
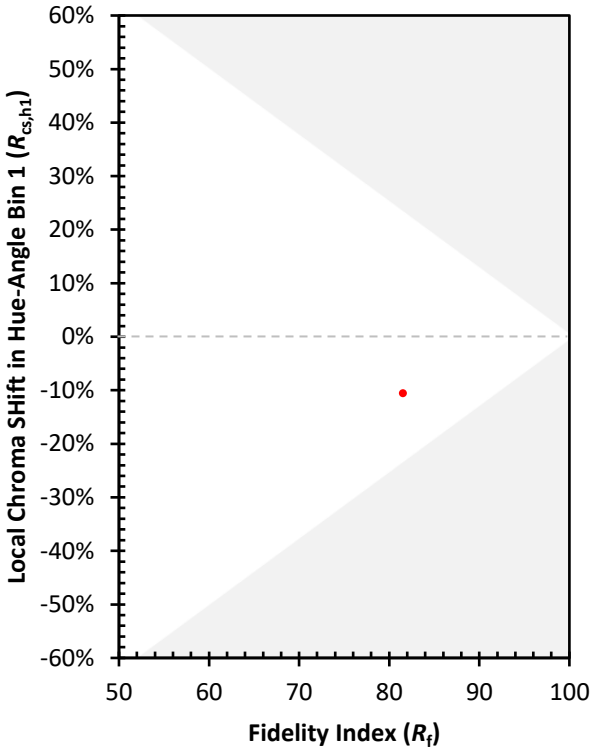
Measure Comparisons





(END OF REPORT)