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: P322723

Luminaire Tested: **GLEON-SA9B-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:	P322723
	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-SA9B-830-U-T4FT-HSS
Description:	GALLEON AREA AND ROADWAY LUMINAIRE
	(9) 80 CRI, 3000K, 800mA 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:	28830 lumens
Efficiency:	N/A
Efficacy:	77.1 lumens/watt
Luminous Opening:	Rectangular (W 2.5' x L: 1' x H: 0')
IES Classification:	Type IV - Short
BUG Rating:	B2 - U0 - G5

Input Watts (W):	374
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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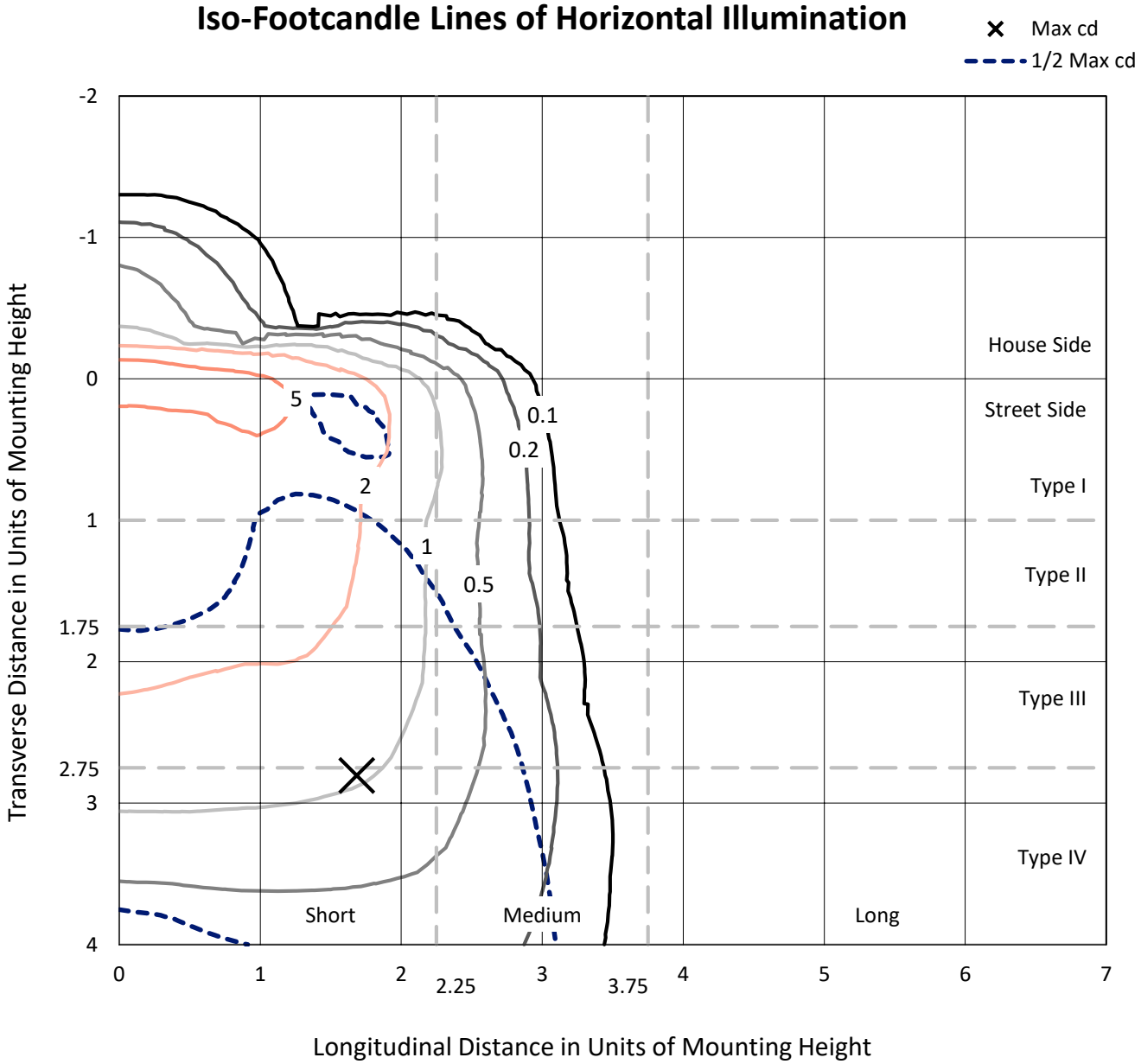
Scaled Data Report

REPORT NUMBER: P322723
CATALOG NUMBER: GLEON-SA9B-830-U-T4FT-HSS

Iso-Footcandle Lines of Horizontal Illumination



Based on 25 foot mounting height. Maximum calculated value = 7.9 fc
Type IV - Short - N/A

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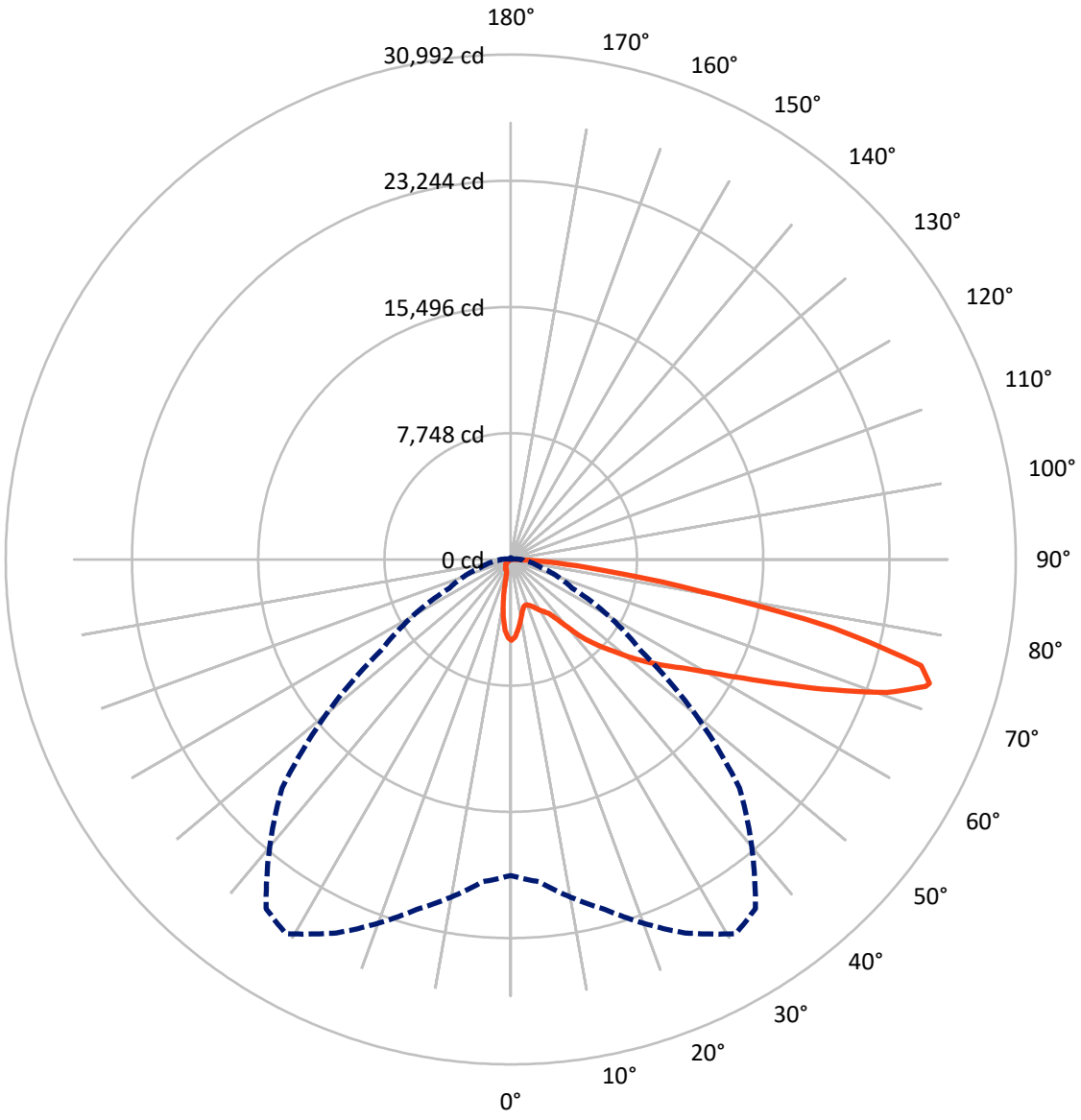
Luminous Intensity Polar Plot



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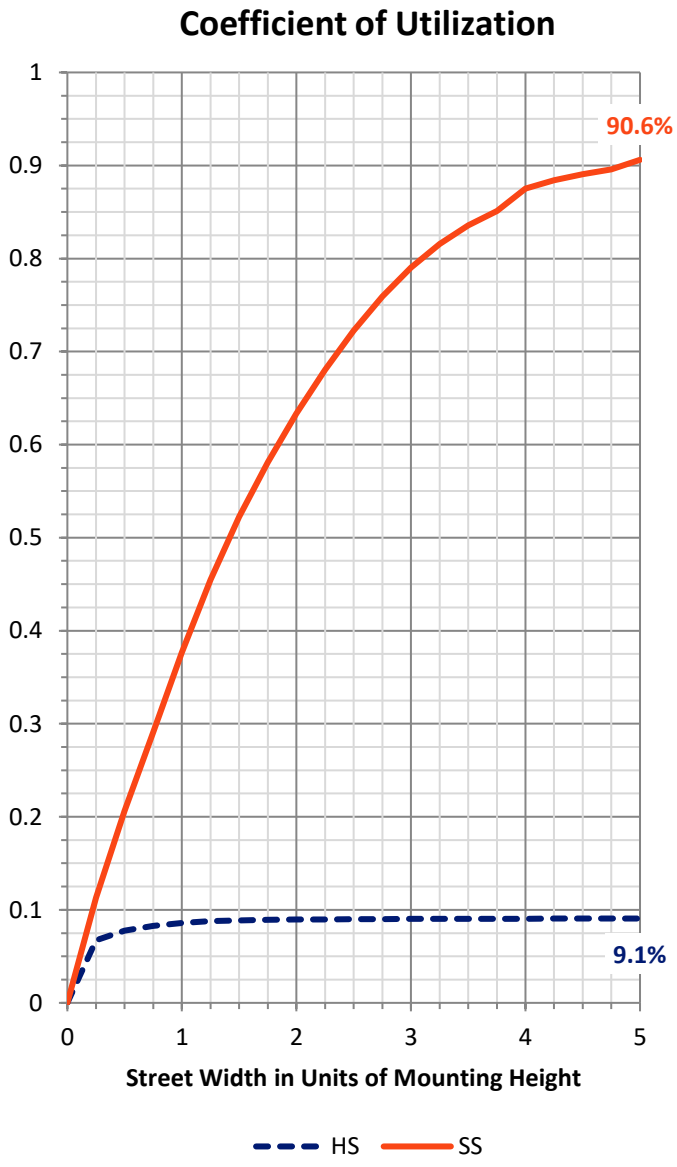
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2628.0	0.0	2628.0
	% Fixture	9.1	0.0	9.1
Street Side	Lumens	26202.0	0.0	26202.0
	% Fixture	90.9	0.0	90.9
Total	Lumens	28830.0	0.0	28830.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	411.3	1.4
10°-20°	893.0	3.1
20°-30°	1338.0	4.6
30°-40°	2128.7	7.4
40°-50°	3801.3	13.2
50°-60°	5898.5	20.5
60°-70°	7841.3	27.2
70°-80°	5898.2	20.5
80°-90°	619.8	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°	28830.0	100.0
0°-180°	28830.0	100.0



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REPORT NUMBER: P322723
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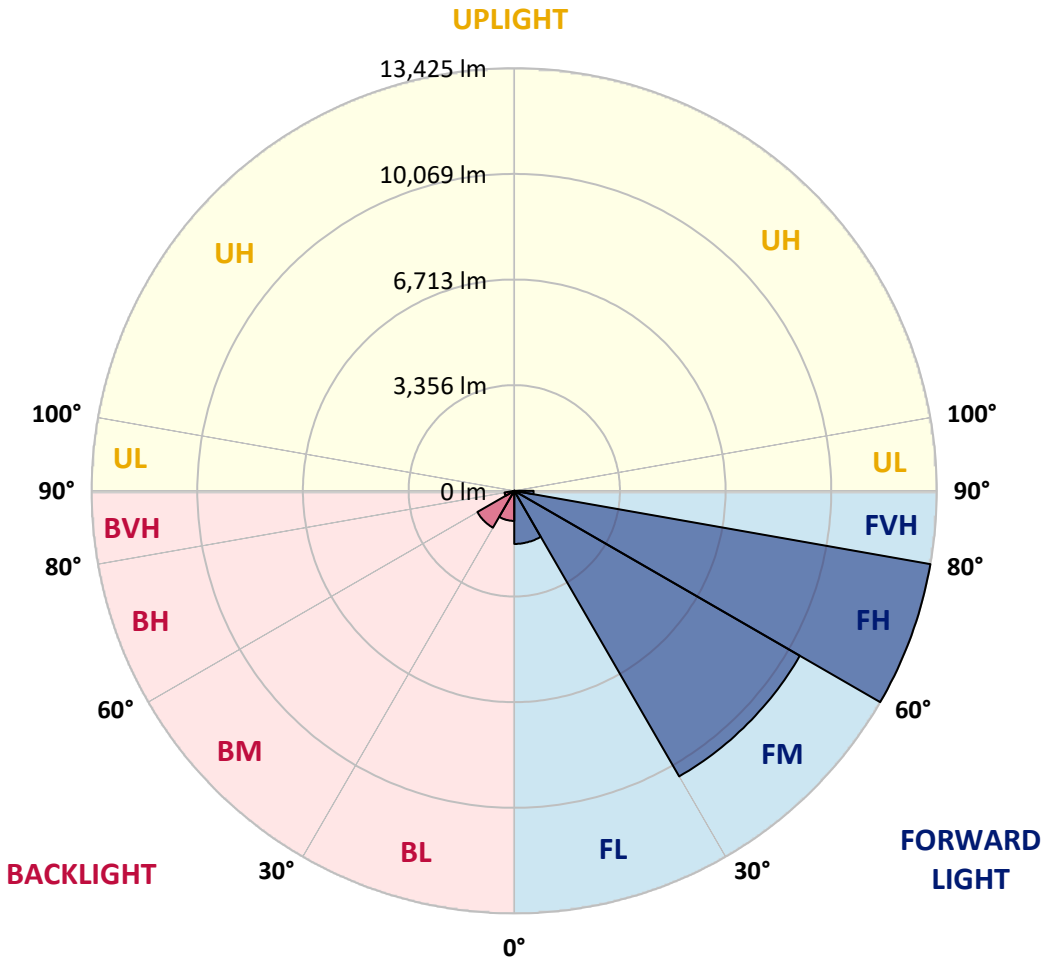
LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	1686.6	5.9			
FM	(30°-60°)	10475.8	36.3			
FH	(60°-80°)	13425.1	46.6			G5
FVH	(80°-90°)	614.6	2.1			G4/750
BL	(0°-30°)	955.6	3.3	B2/1000		
BM	(30°-60°)	1352.7	4.7	B2/2500		
BH	(60°-80°)	314.4	1.1	B1/500		G1/500
BVH	(80°-90°)	5.2	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-G5
Type IV Short



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REPORT NUMBER: P322723
CATALOG NUMBER: GLEON-SA9B-830-U-T4FT-HSS

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	31°	35°	45°	55°	65°	75°	85°
0°	4960.3	4960.3	4960.3	4960.3	*4960.3*	4960.3	4960.3	4960.3	4960.3	4960.3	4960.3
2.5°	4700.7	4720.4	4741.6	4745.8	*4781.1*	4782.5	4833.3	4871.4	4909.5	4946.2	4958.8
5°	4218.2	4250.6	4288.7	4326.8	*4401.6*	4431.2	4555.4	4682.3	4803.7	4919.3	4975.8
7.5°	3703.3	3739.9	3793.6	3888.1	*3971.3*	4029.2	4225.3	4451.0	4676.7	4889.7	5012.5
10°	3233.5	3267.3	3323.8	3423.9	*3552.3*	3631.3	3895.1	4208.3	4539.9	4862.9	5067.5
12.5°	2934.4	2952.7	2983.8	3091.0	*3206.7*	3295.6	3605.9	3993.9	4427.0	4861.5	5156.4
15°	2879.4	2885.0	2859.6	2907.6	*2997.9*	3083.9	3398.5	3820.4	4340.9	4884.1	5272.0
17.5°	2966.8	2964.0	2879.4	2873.7	*2945.7*	3016.2	3297.0	3700.4	4280.3	4936.3	5421.6
20°	3099.5	3089.6	2942.9	2916.1	*2992.2*	3058.5	3289.9	3655.3	4257.7	5023.7	5603.6
22.5°	3275.8	3258.9	3028.9	3000.7	*3082.5*	3151.7	3377.4	3699.0	4277.4	5140.8	5815.2
25°	3494.5	3469.1	3177.0	3146.0	*3229.2*	3298.4	3534.0	3824.6	4336.7	5283.3	6083.2
27.5°	3741.4	3704.7	3414.1	3333.6	*3428.2*	3500.1	3742.8	4016.5	4429.8	5434.3	6411.9
30°	3974.1	3926.2	3663.8	3531.2	*3646.8*	3727.2	3968.5	4245.0	4579.4	5667.1	6862.0
32.5°	4208.3	4154.7	3886.7	3728.7	*3833.1*	3920.5	4201.3	4559.6	4860.1	6022.6	7460.1
35°	4747.2	4690.8	4362.1	4101.1	*4099.7*	4149.1	4527.2	4989.9	5231.1	6517.7	8174.0
37.5°	5654.4	5621.9	5308.7	4813.5	*4680.9*	4625.9	4971.5	5503.4	5764.4	7199.1	8979.5
40°	6647.5	6619.3	6268.0	5819.4	*5617.7*	5482.2	5609.2	6218.7	6517.7	8031.5	9802.0
42.5°	7769.1	7635.1	7008.7	6874.7	*6694.1*	6591.1	6476.8	7100.4	7443.2	8937.2	10617.4
45°	8787.7	8562.0	7749.3	7546.2	*7505.3*	7530.7	7594.2	8285.4	8484.4	10013.6	11430.0
47.5°	9394.3	9216.5	8593.0	8398.3	*8387.0*	8554.9	9034.6	9624.3	9521.3	10951.8	12145.3
50°	9971.3	9810.5	9292.7	9340.7	*9392.9*	9621.4	10669.6	11001.2	10467.9	11802.5	12801.3
52.5°	10438.3	10192.8	9921.9	10191.4	*10448.1*	10816.4	12356.9	12237.0	11139.4	12479.7	13362.8
55°	10707.7	10596.3	10727.5	10998.3	*11480.8*	12079.0	13949.7	13265.5	11630.4	13097.6	13736.6
57.5°	11695.3	11476.6	11737.6	11971.8	*12601.0*	13437.6	15313.9	14031.5	11984.5	13479.9	13822.7
60°	12890.2	12713.8	12867.6	13257.0	*14106.3*	15089.6	16589.2	14656.5	12169.3	13725.4	13599.8
62.5°	14791.9	14559.1	14463.2	14899.1	*16024.9*	17098.5	17557.0	15089.6	12128.4	13616.7	12835.2
65°	17339.8	17098.5	16669.6	17064.7	*18496.6*	19254.2	18639.1	15181.3	11846.2	12737.8	10902.4
67.5°	19949.7	19774.7	19407.9	20073.8	*21366.1*	21610.1	19783.2	14958.4	10937.7	10328.2	7702.8
70°	21673.6	21598.9	21837.3	23310.1	*24462.7*	24392.2	20832.8	13760.6	8525.3	6351.3	3810.5
72.5°	20430.7	20789.1	22549.7	25220.3	*26628.2*	26052.7	20293.9	10566.7	4872.8	2443.5	1101.8
73°	*19400.9*	*19859.4*	*22229.5*	*25292.3*	*26799.0*	*26168.3*	*19841.0*	*9699.0*	*4153.3*	*1928.5*	*835.2*
75°	13496.8	14059.7	18403.5	23555.6	*26000.5*	24932.5	16538.4	5936.5	1924.3	854.9	337.2
77.5°	6553.0	6969.2	10133.5	17019.5	*20220.5*	19479.9	10295.8	2212.1	869.0	534.7	155.2
80°	2446.3	2720.0	4398.8	8662.1	*11685.4*	11991.5	4528.6	836.6	578.4	430.3	79.0
82.5°	640.5	713.8	1622.4	3862.7	*5988.7*	6268.0	1427.7	421.8	423.2	354.1	48.0
85°	204.6	234.2	506.5	1733.8	*2821.5*	2477.3	372.4	204.6	307.5	263.8	26.8
87.5°	25.4	32.4	160.8	407.7	*622.1*	345.6	57.8	60.7	131.2	146.7	15.5
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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Scaled Data Report

REPORT NUMBER: P322723
CATALOG NUMBER: GLEON-SA9B-830-U-T4FT-HSS

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	4960.3	4960.3	4960.3	4960.3	4960.3	4960.3	4960.3	4960.3	4960.3	4960.3	4960.3
2.5°	4971.5	4964.5	4965.9	4929.2	4905.2	4857.3	4807.9	4785.3	4761.3	4751.5	4761.3
5°	4996.9	4984.2	4947.6	4834.7	4714.8	4559.6	4414.3	4304.3	4166.0	4127.9	4167.4
7.5°	5036.4	5011.0	4903.8	4673.9	4407.2	4111.0	3778.0	3535.4	3336.5	3208.1	3254.6
10°	5094.3	5046.3	4830.5	4439.7	3962.8	3438.0	2965.4	2597.2	2336.2	2229.0	2224.8
12.5°	5191.6	5101.3	4740.2	4135.0	3419.7	2720.0	2100.6	1701.4	1489.8	1352.9	1350.1
15°	5298.8	5166.2	4625.9	3769.6	2787.7	1948.3	1352.9	1049.6	912.8	869.0	863.4
17.5°	5430.0	5241.0	4477.8	3319.5	2126.0	1290.9	883.1	795.7	790.0	785.8	785.8
20°	5595.1	5329.9	4287.3	2804.6	1508.1	862.0	750.5	756.2	759.0	753.4	754.8
22.5°	5787.0	5420.2	4060.2	2251.6	1020.0	720.9	718.1	725.1	728.0	725.1	726.5
25°	6009.9	5524.6	3783.7	1671.8	736.4	684.2	691.3	701.2	708.2	708.2	708.2
27.5°	6286.4	5651.5	3450.7	1166.7	636.3	646.1	665.9	684.2	694.1	696.9	696.9
30°	6646.1	5809.5	3051.5	799.9	578.4	595.3	632.0	667.3	685.6	688.5	689.9
32.5°	7100.4	5987.3	2588.8	591.1	529.0	541.7	581.2	640.5	675.8	681.4	681.4
35°	7621.0	6193.3	2090.8	514.9	493.8	498.0	529.0	596.8	658.8	674.3	675.8
37.5°	8190.9	6396.4	1589.9	481.1	464.1	464.1	486.7	544.6	617.9	665.9	671.5
40°	8722.8	6519.2	1114.5	454.3	437.3	437.3	457.1	499.4	568.5	640.5	656.0
42.5°	9213.7	6561.5	775.9	428.9	411.9	416.2	433.1	467.0	519.2	591.1	605.2
45°	9718.8	6554.4	565.7	399.2	386.6	399.2	411.9	437.3	475.4	516.3	519.2
47.5°	10099.7	6495.2	448.6	371.0	362.6	379.5	390.8	407.7	428.9	426.1	426.1
50°	10456.6	6351.3	361.2	332.9	338.6	358.3	364.0	369.6	371.0	344.2	341.4
52.5°	10727.5	6127.0	289.2	292.0	314.6	334.4	328.7	320.2	306.1	273.7	268.0
55°	10817.8	5695.3	227.1	241.2	279.3	304.7	283.6	265.2	238.4	211.6	206.0
57.5°	10654.1	5138.0	184.8	187.6	235.6	256.8	232.8	211.6	182.0	159.4	155.2
60°	10307.1	4518.7	152.4	141.1	182.0	200.3	184.8	163.6	136.8	119.9	118.5
62.5°	9618.6	3858.5	125.6	110.0	138.3	153.8	143.9	128.4	105.8	94.5	93.1
65°	8171.2	3086.8	101.6	88.9	107.2	119.9	111.5	100.2	83.2	74.8	73.4
67.5°	5703.7	2086.5	83.2	73.4	84.6	94.5	87.5	81.8	66.3	64.9	66.3
70°	2751.0	1005.9	69.1	59.3	66.3	73.4	70.5	66.3	63.5	73.4	84.6
72.5°	788.6	337.2	55.0	49.4	53.6	57.8	60.7	59.3	69.1	88.9	103.0
73°	*606.6*	*272.3*	*52.2*	*46.6*	*50.8*	*56.4*	*59.3*	*57.8*	*70.5*	*90.3*	*103.0*
75°	259.6	131.2	39.5	38.1	42.3	49.4	52.2	52.2	70.5	91.7	98.8
77.5°	117.1	70.5	25.4	29.6	36.7	39.5	43.7	43.7	56.4	70.5	70.5
80°	66.3	38.1	19.8	22.6	26.8	26.8	26.8	24.0	25.4	28.2	31.0
82.5°	42.3	25.4	15.5	18.3	16.9	14.1	11.3	11.3	9.9	11.3	14.1
85°	24.0	14.1	14.1	11.3	7.1	5.6	7.1	5.6	1.4	0.0	1.4
87.5°	14.1	8.5	4.2	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

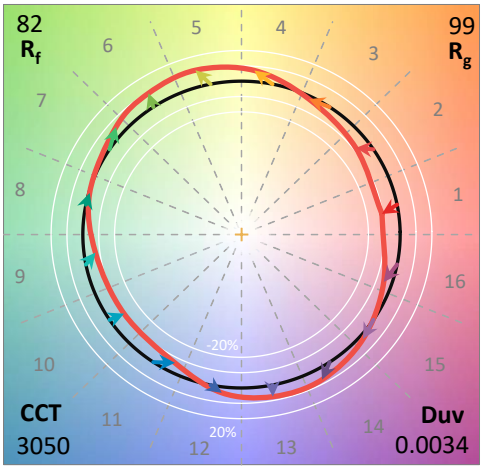
Test Information

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

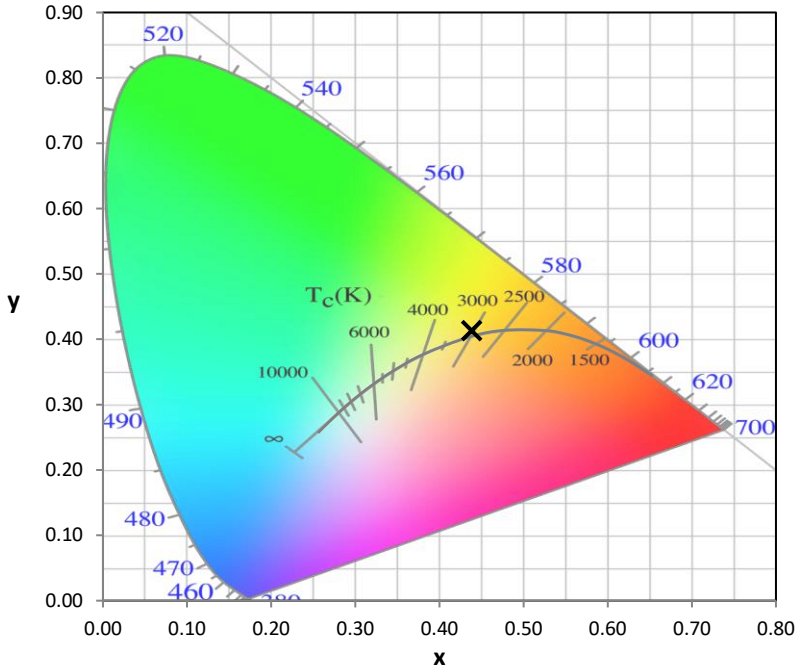
Stabilization Time:	20M
Operation Time:	1H 20M
Sphere Temperature (°C):	24.2

REPORT NUMBER: SP1-2408-195-9

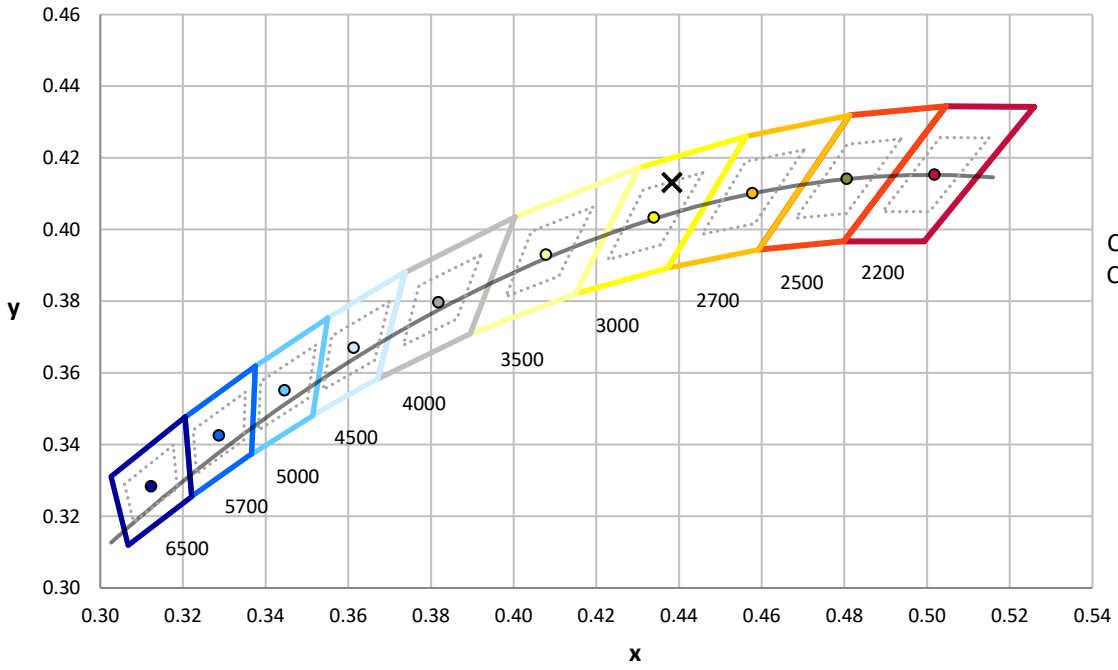
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

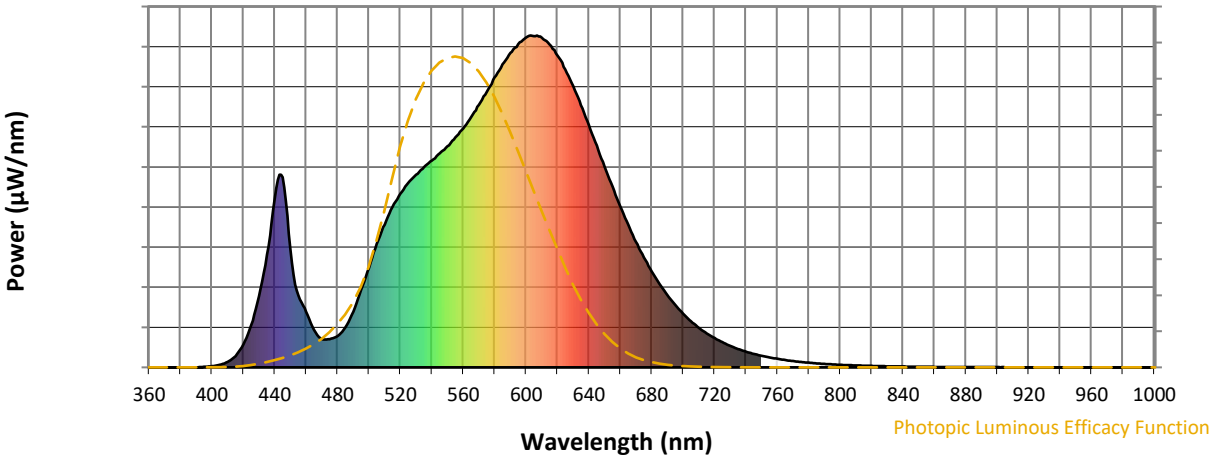


CCT = 3050K
CIE x = 0.4383
CIE y = 0.4131
Duv = 0.0034

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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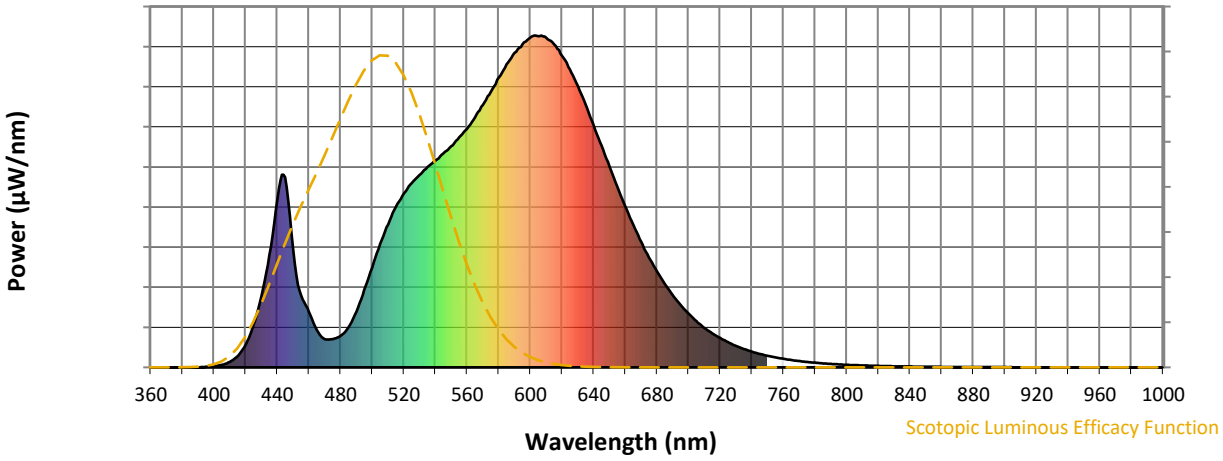
Scotopic Flux vs. Wavelength



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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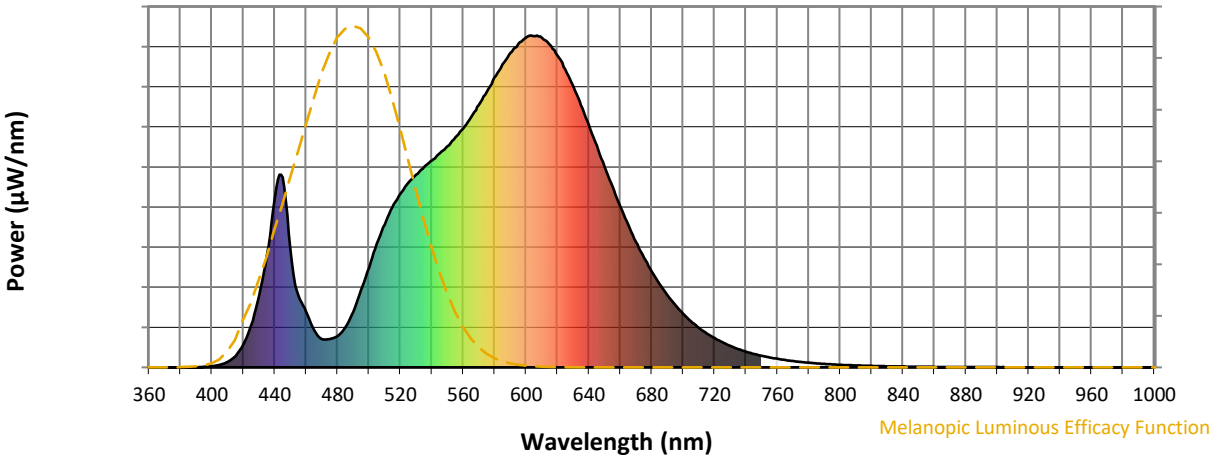
Melanopic Flux vs. Wavelength



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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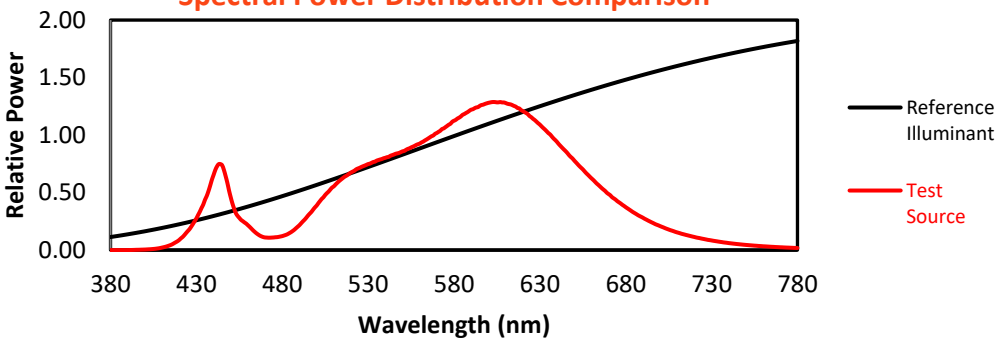
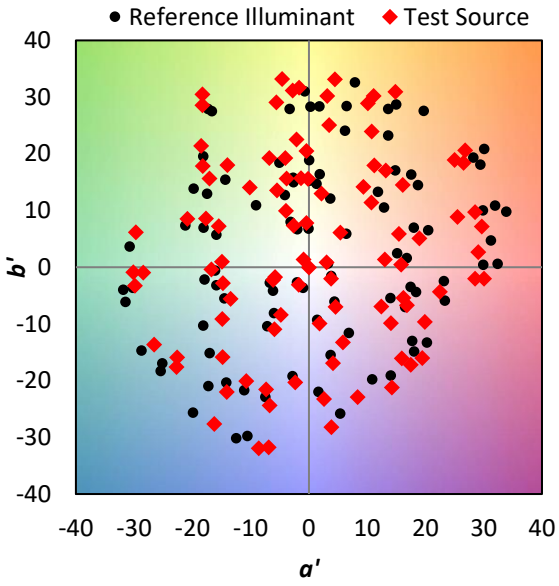
Summary

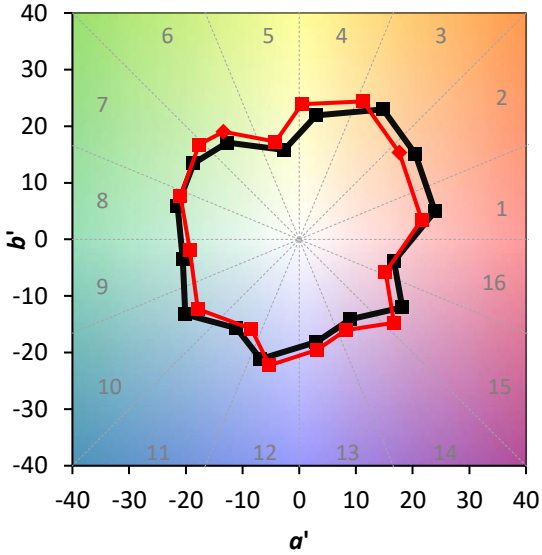
R_f = 81.5
R_g = 99.2
CIE R_a = 81.0
R_9 = 7.1

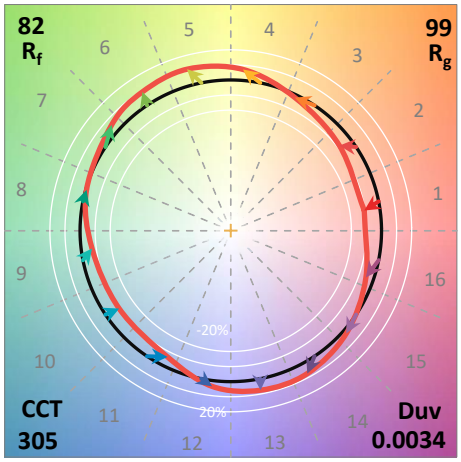
Spectral Power Distribution Comparison

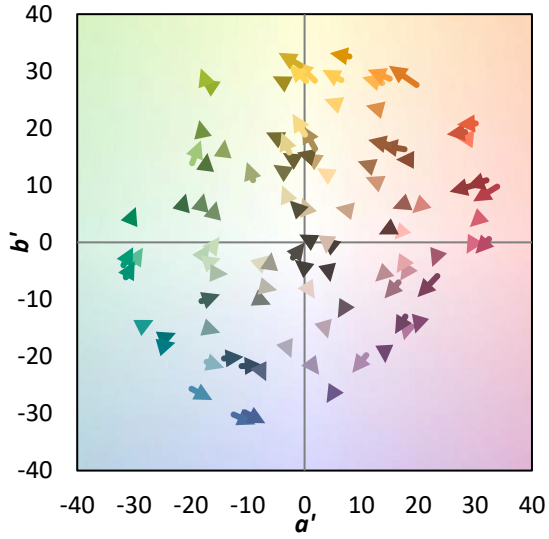


Color Vector Graphics









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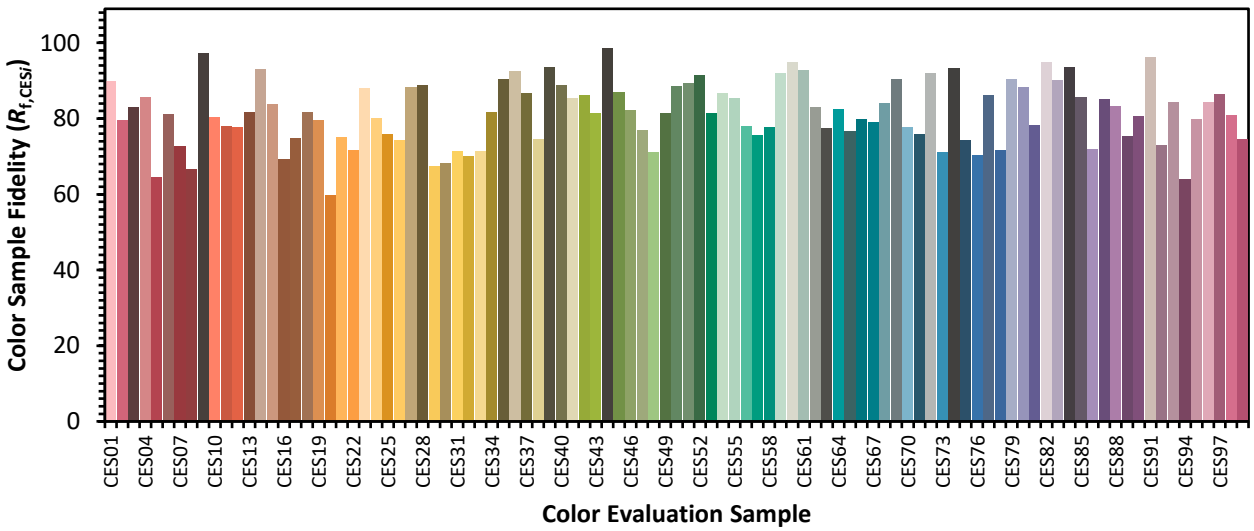
Individual Sample Fidelity Index ($R_{f,i}$)

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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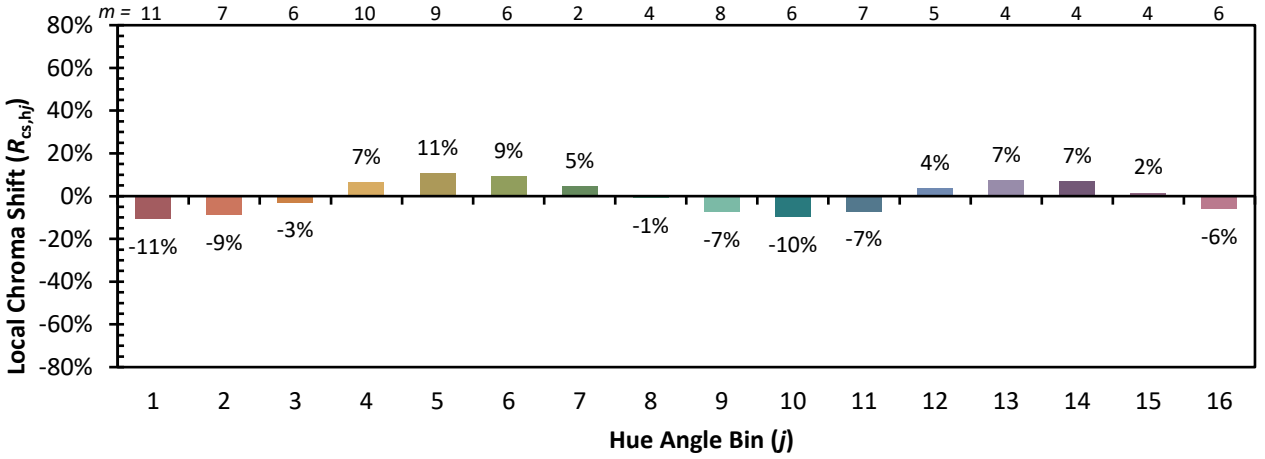
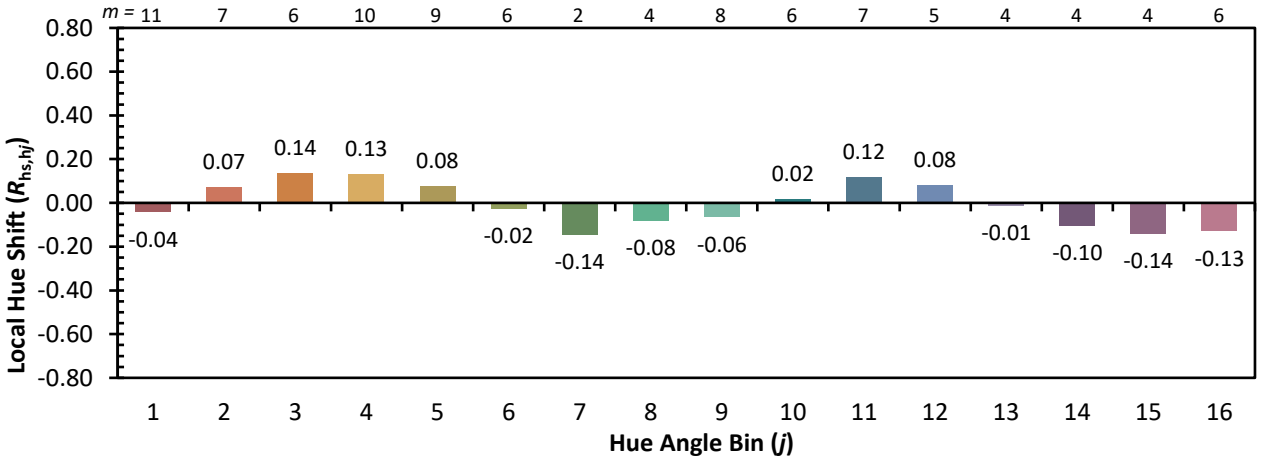
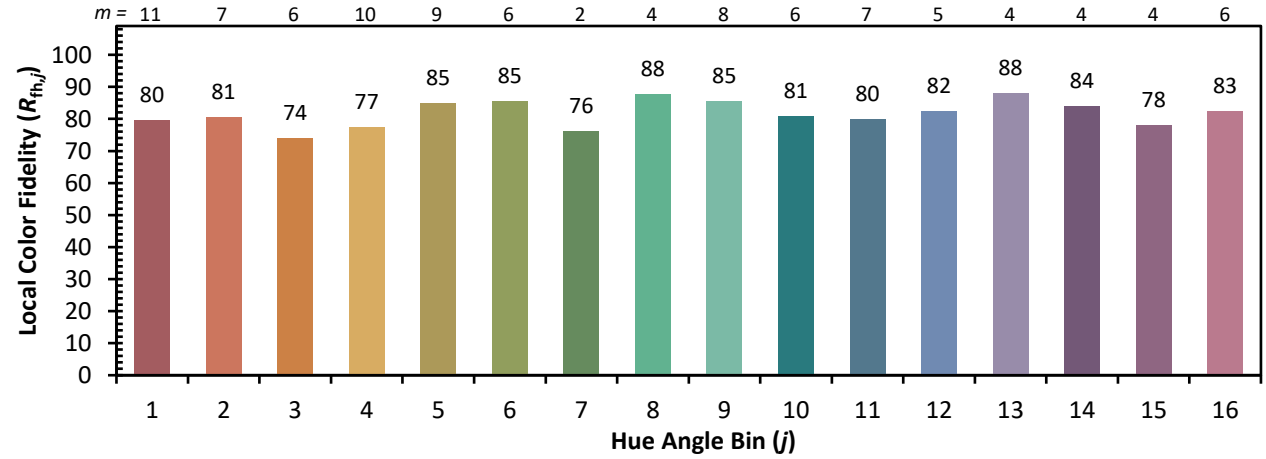
Color Rendition by Hue-Angle Bin







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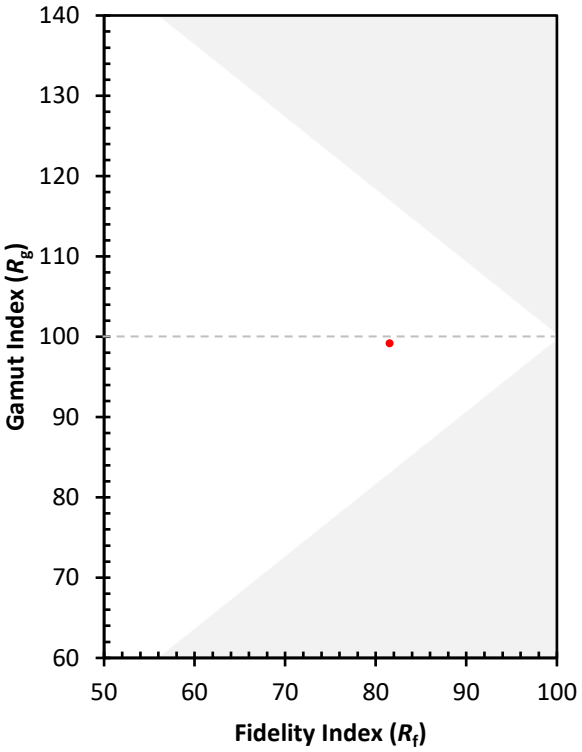
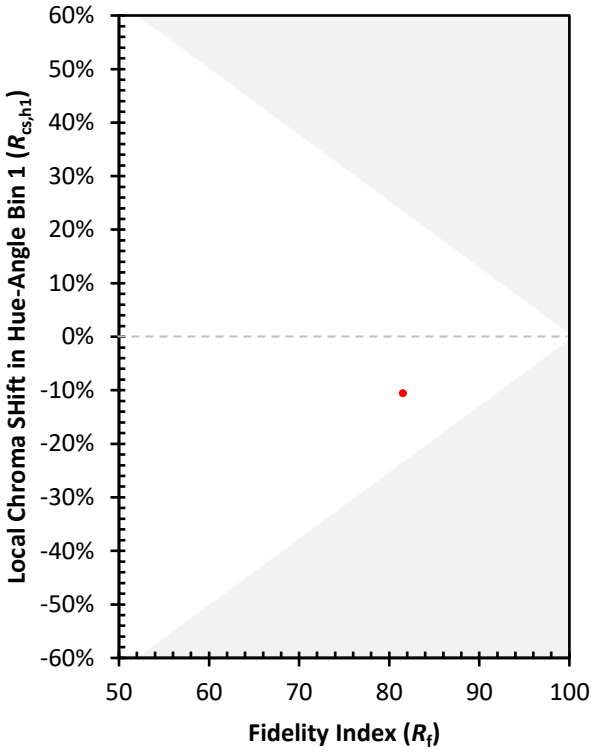
Measure Comparisons





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