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: P323679

Luminaire Tested: **GLEON-SA5B-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:	P323679
	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-SA5B-830-U-SL3-HSS
Description:	GALLEON AREA AND ROADWAY LUMINAIRE
	(5) 80 CRI, 3000K, 800mA 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:	19389 lumens
Efficiency:	N/A
Efficacy:	92.3 lumens/watt
Luminous Opening:	Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification:	Type III - Medium
BUG Rating:	B2 - U0 - G4

Input Watts (W):	210
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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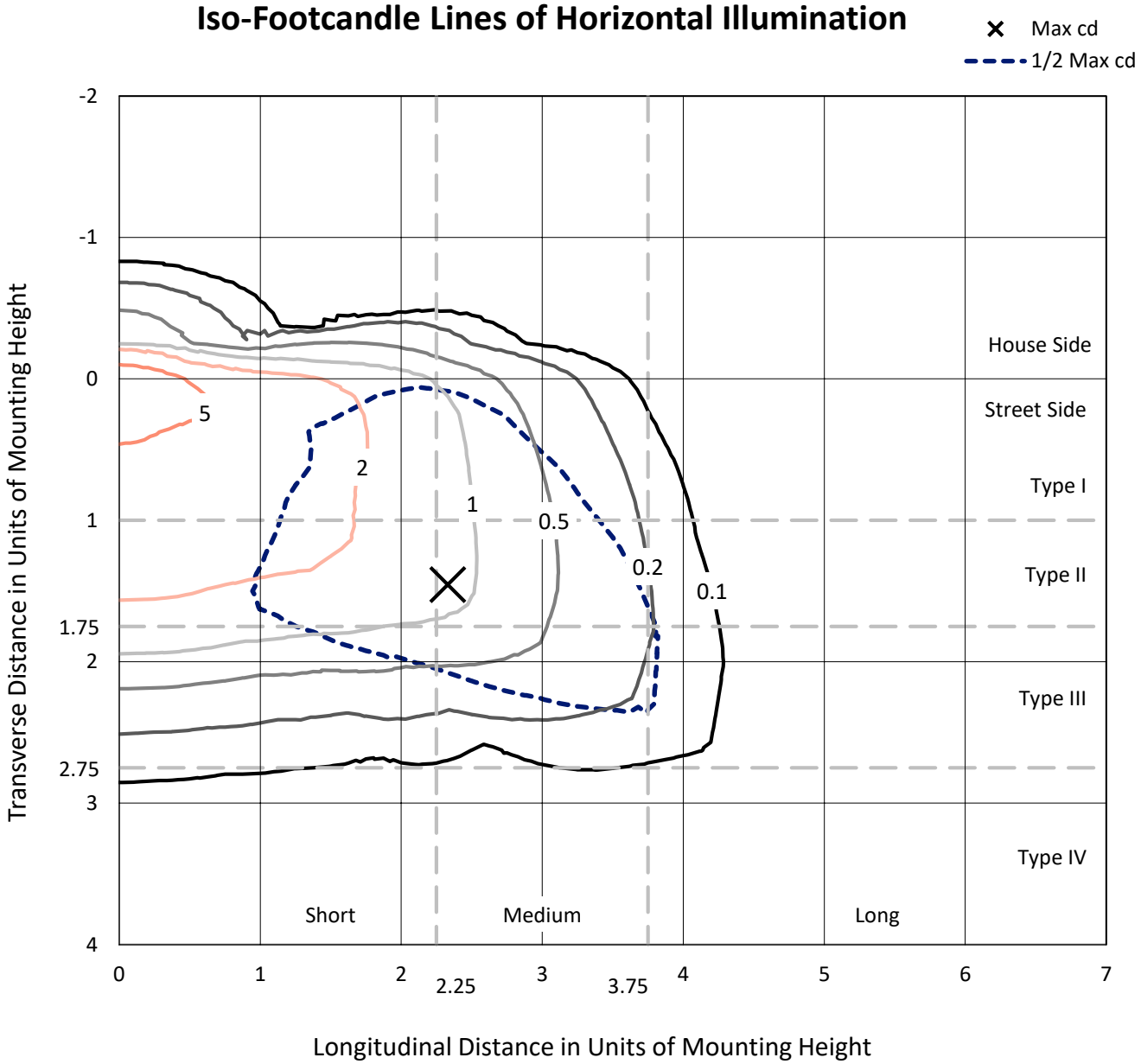
Scaled Data Report

REPORT NUMBER: P323679
CATALOG NUMBER: GLEON-SA5B-830-U-SL3-HSS

Iso-Footcandle Lines of Horizontal Illumination



Based on 25 foot mounting height. Maximum calculated value = 9.3 fc
Type III - Medium - N/A

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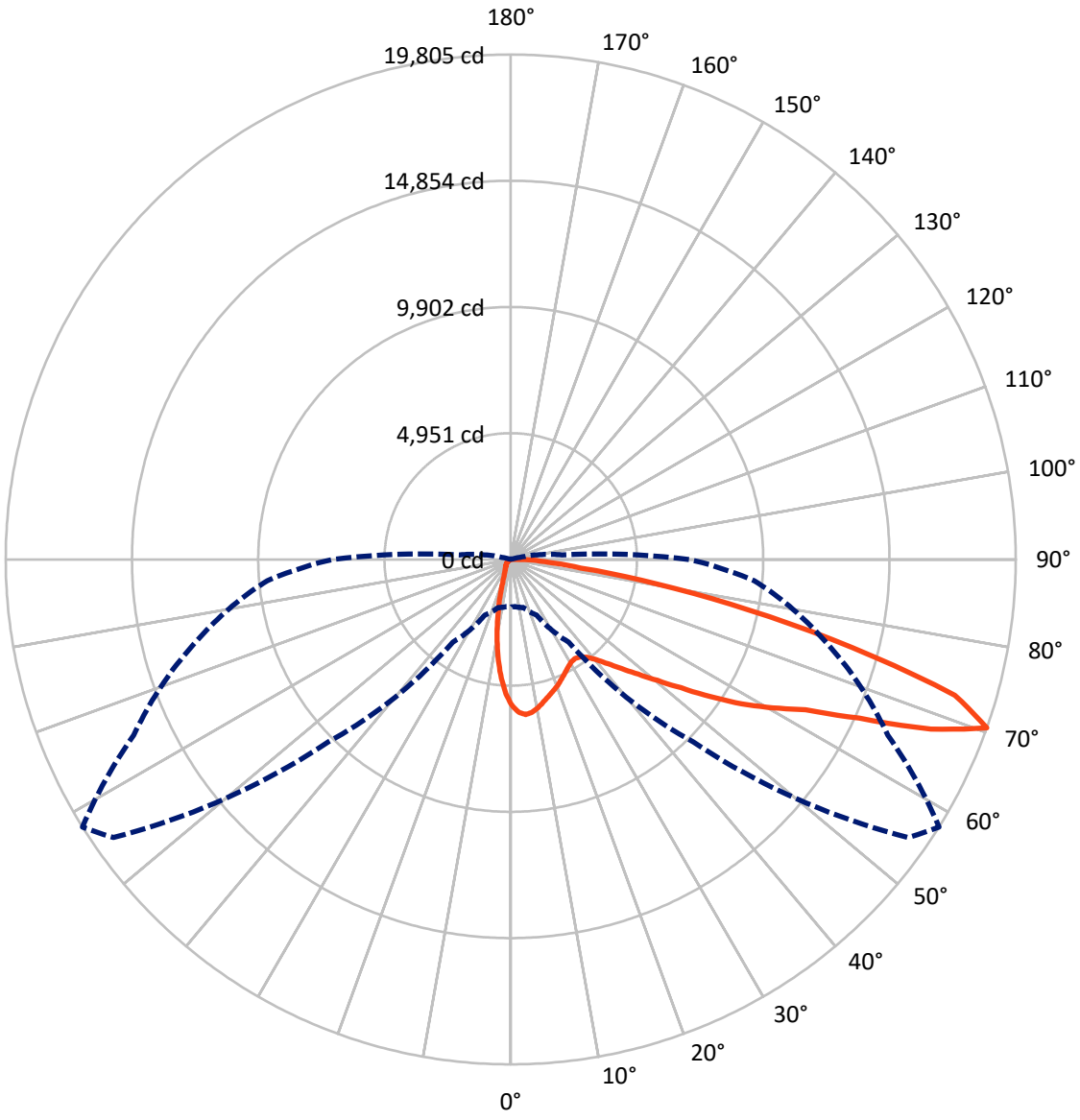
Luminous Intensity Polar Plot



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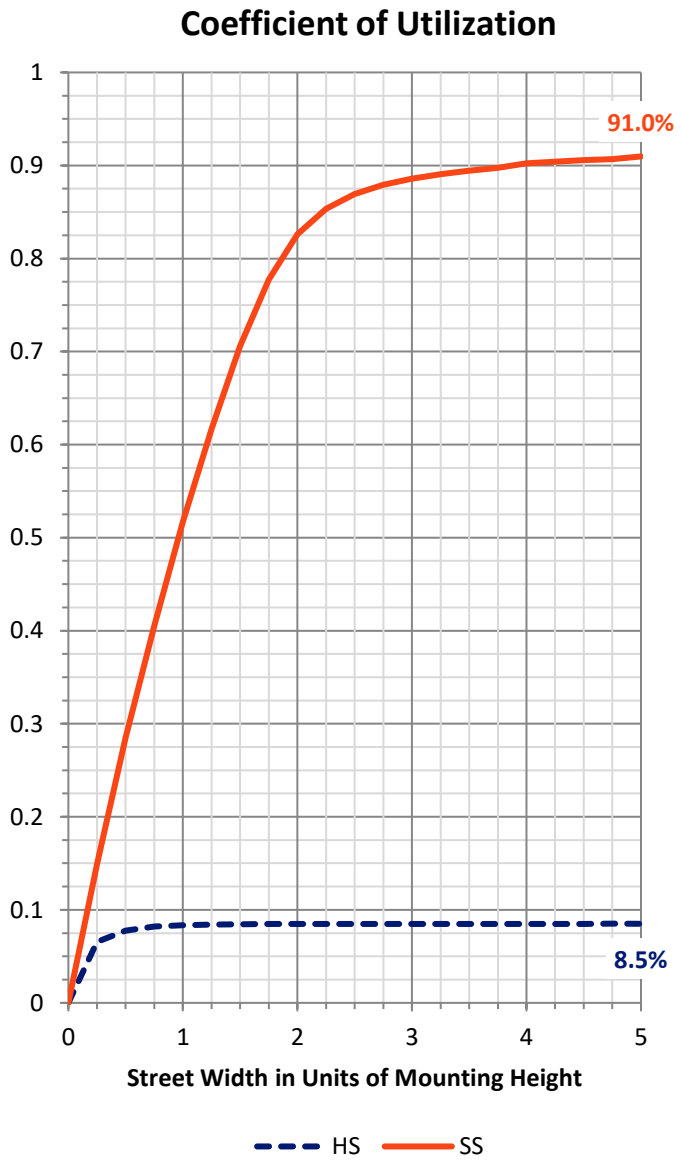
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1659.3	0.0	1659.3
	% Fixture	8.6	0.0	8.6
Street Side	Lumens	17729.7	0.0	17729.7
	% Fixture	91.4	0.0	91.4
Total	Lumens	19389.0	0.0	19389.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	468.4	2.4
10°-20°	983.0	5.1
20°-30°	1292.3	6.7
30°-40°	1711.5	8.8
40°-50°	2558.1	13.2
50°-60°	4098.0	21.1
60°-70°	5165.5	26.6
70°-80°	2786.2	14.4
80°-90°	326.1	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°	19389.0	100.0
0°-180°	19389.0	100.0



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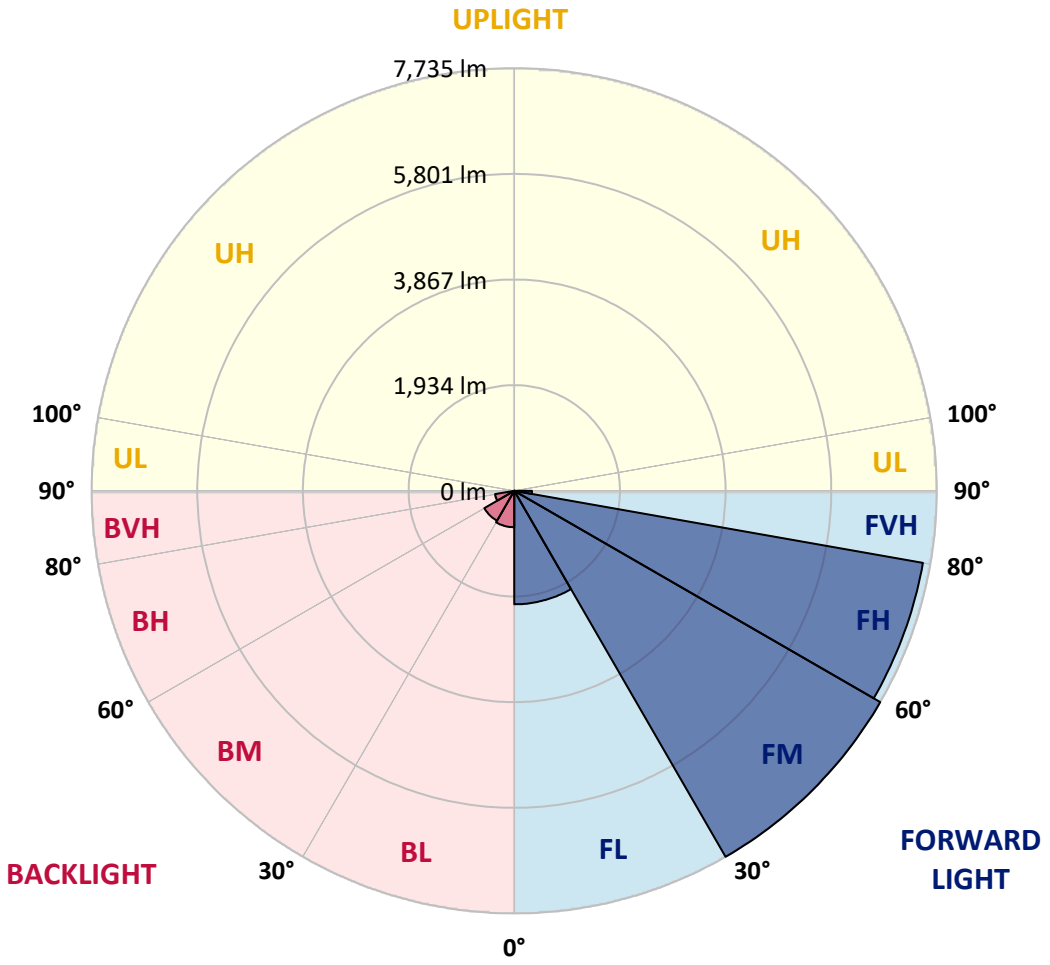
Scaled Data Report

REPORT NUMBER: P323679
CATALOG NUMBER: GLEON-SA5B-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°)	2077.0	10.7			
FM	(30°-60°)	7734.6	39.9			
FH	(60°-80°)	7594.9	39.2			G4/12000
FVH	(80°-90°)	323.3	1.7			G3/500
BL	(0°-30°)	666.6	3.4	B2/1000		
BM	(30°-60°)	633.0	3.3	B1/1000		
BH	(60°-80°)	356.8	1.8	B1/500		G1/500
BVH	(80°-90°)	2.8	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-G4
Type III Medium



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Scaled Data Report

REPORT NUMBER: P323679
CATALOG NUMBER: GLEON-SA5B-830-U-SL3-HSS

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	58°	65°	75°	85°
0°	5727.4	5727.4	5727.4	5727.4	5727.4	5727.4	5727.4	5727.4	5727.4	5727.4	5727.4
2.5°	6202.3	6187.0	6181.3	6171.6	6134.6	6098.3	6026.5	6006.4	5961.2	5854.0	5740.3
5°	6207.1	6206.3	6223.2	6219.2	6206.3	6189.4	6137.8	6111.2	6034.6	5881.4	5673.4
7.5°	5908.0	5923.3	5961.2	5991.9	6027.3	6073.3	6079.7	6053.9	5991.1	5825.8	5550.0
10°	5506.5	5530.7	5583.9	5644.4	5737.1	5829.0	5911.2	5908.0	5886.2	5723.4	5401.7
12.5°	5104.2	5132.4	5193.7	5283.2	5414.6	5564.6	5711.3	5731.4	5767.7	5631.5	5264.6
15°	4751.9	4776.1	4836.5	4946.2	5109.0	5310.6	5525.9	5562.9	5656.5	5559.7	5150.2
17.5°	4452.8	4468.1	4512.4	4634.2	4822.8	5067.1	5346.9	5419.4	5558.9	5503.3	5051.0
20°	4244.0	4246.4	4275.4	4360.9	4549.5	4822.8	5161.4	5265.5	5455.7	5454.9	4948.6
22.5°	4140.8	4132.7	4138.4	4187.5	4326.2	4589.8	4976.0	5099.4	5363.0	5413.8	4844.6
25°	4121.4	4115.0	4098.8	4105.3	4189.1	4385.9	4789.0	4931.7	5281.6	5388.8	4754.3
27.5°	4181.9	4188.3	4160.9	4131.9	4138.4	4253.6	4622.9	4788.2	5215.5	5388.8	4690.6
30°	4303.6	4306.9	4286.7	4248.8	4198.0	4216.6	4507.6	4672.9	5182.4	5425.9	4650.3
32.5°	4438.3	4456.0	4453.6	4422.9	4350.4	4275.4	4480.2	4631.0	5180.0	5508.1	4646.3
35°	4605.2	4625.3	4659.2	4652.7	4576.9	4453.6	4573.7	4692.2	5227.6	5643.6	4689.8
37.5°	4782.5	4813.2	4885.7	4920.4	4871.2	4731.7	4783.3	4868.0	5354.9	5862.9	4800.3
40°	4954.2	4988.9	5121.1	5257.4	5220.3	5076.8	5101.0	5168.7	5581.5	6178.1	5009.9
42.5°	5122.8	5174.3	5368.6	5592.8	5637.1	5522.6	5535.5	5589.6	5917.7	6611.8	5352.5
45°	5324.3	5382.4	5670.2	5946.7	6065.2	6015.2	6070.1	6105.5	6357.1	7185.1	5814.5
47.5°	5620.2	5687.1	6040.2	6355.5	6563.5	6595.7	6706.2	6729.6	6912.6	7852.6	6416.7
50°	6197.4	6216.0	6535.3	6821.5	7121.4	7314.9	7440.6	7458.4	7585.0	8582.3	7168.9
52.5°	6923.9	6935.9	7116.5	7308.4	7649.5	8044.5	8338.8	8363.8	8390.4	9293.3	7911.5
55°	7645.4	7643.8	7763.1	7876.0	8266.2	8840.3	9478.8	9494.1	9303.0	9968.2	8479.1
57.5°	8096.1	8139.6	8321.0	8466.2	9011.2	9747.3	10633.3	10689.7	10261.6	10468.0	9040.2
60°	7952.6	7973.6	8375.9	8912.8	9939.1	11036.4	11801.5	11816.0	10982.4	10967.1	9749.7
62.5°	6775.5	6786.8	7418.9	8525.8	10409.2	12708.5	13210.8	12974.6	11811.2	11659.6	10598.6
65°	4643.9	4717.2	5245.3	6613.5	9545.7	13757.4	15392.4	15001.4	13074.5	12657.7	11366.2
67.5°	2734.7	2719.4	2980.6	3988.4	7010.9	13060.8	18152.1	17763.5	14797.4	13326.1	11141.2
70°	1868.0	1857.5	1957.5	2414.6	3957.8	10131.8	19020.4	19804.9	16318.8	12876.2	9588.4
72.5°	1333.5	1339.1	1486.7	1876.1	2484.8	5903.2	16356.7	18213.4	15842.3	11225.1	7288.3
75°	905.4	920.7	1131.9	1539.1	2178.4	3003.2	11607.2	13845.3	12900.4	8158.2	4189.1
77.5°	487.0	503.9	753.0	1240.0	1969.6	2086.5	7466.4	9528.8	8103.4	3667.5	1214.2
80°	203.2	212.8	352.3	901.4	1701.9	1832.5	4393.1	5778.2	3453.1	723.2	270.9
82.5°	87.9	92.7	146.7	537.8	1272.2	1547.1	2326.0	2779.9	1046.5	158.8	136.3
85°	16.9	17.7	60.5	284.6	811.9	873.1	1507.6	1477.8	470.0	68.5	99.2
87.5°	0.0	0.0	14.5	89.5	238.6	475.7	919.9	908.6	159.6	33.1	37.1
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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REPORT NUMBER: P323679
CATALOG NUMBER: GLEON-SA5B-830-U-SL3-HSS

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	5727.4	5727.4	5727.4	5727.4	5727.4	5727.4	5727.4	5727.4	5727.4	5727.4	5727.4
2.5°	5682.3	5626.6	5509.7	5365.4	5255.0	5133.2	5036.5	4913.9	4860.7	4863.1	4834.1
5°	5554.9	5440.4	5181.6	4855.1	4603.5	4343.9	4120.6	3898.1	3766.7	3724.0	3683.6
7.5°	5372.7	5191.3	4778.5	4275.4	3849.7	3433.7	3071.7	2753.3	2551.7	2453.3	2417.1
10°	5167.1	4912.3	4314.9	3652.2	3044.3	2481.6	2012.3	1604.4	1441.5	1331.1	1302.9
12.5°	4986.5	4641.4	3861.8	3012.9	2291.3	1612.4	1165.0	911.0	800.6	757.0	749.8
15°	4816.4	4388.3	3425.6	2434.0	1586.6	992.5	740.9	654.7	628.9	621.6	621.6
17.5°	4655.9	4147.2	2999.2	1864.0	1049.7	695.8	613.5	594.2	586.1	585.3	586.1
20°	4488.3	3906.2	2579.9	1365.7	732.9	589.4	566.8	556.3	553.9	553.9	553.9
22.5°	4327.8	3665.1	2172.0	975.5	587.7	537.8	526.5	519.2	516.8	516.0	514.4
25°	4173.8	3436.1	1773.7	689.3	516.0	492.6	482.9	473.3	466.0	462.0	459.5
27.5°	4047.2	3232.2	1402.8	553.1	466.0	445.8	433.7	419.2	401.5	393.4	390.2
30°	3946.5	3045.9	1081.1	466.8	419.2	399.1	380.5	355.5	329.7	316.0	315.2
32.5°	3867.5	2862.9	820.7	412.8	377.3	352.3	325.7	294.3	264.4	249.1	248.3
35°	3828.8	2701.7	627.2	373.3	340.2	308.8	275.7	241.1	212.0	197.5	195.9
37.5°	3854.6	2565.4	489.4	340.2	308.8	272.5	233.8	197.5	171.7	158.8	158.0
40°	3948.9	2478.3	397.5	312.0	282.2	237.8	195.9	162.1	140.3	129.8	129.0
42.5°	4149.6	2446.1	339.4	288.6	256.4	205.6	162.9	133.8	113.7	106.4	104.8
45°	4485.0	2493.7	299.9	266.1	229.8	175.0	134.6	109.6	91.9	86.3	85.5
47.5°	4931.7	2618.6	271.7	244.3	205.6	147.5	112.1	88.7	75.0	69.3	68.5
50°	5507.3	2816.9	248.3	222.5	183.0	125.0	92.7	70.1	58.0	54.0	54.0
52.5°	6133.8	3053.2	227.4	202.4	160.4	104.0	75.0	54.0	46.0	41.1	41.1
55°	6651.4	3259.6	204.8	187.0	133.0	86.3	57.2	41.1	33.9	31.4	31.4
57.5°	7168.1	3479.7	179.0	160.4	106.4	70.1	43.5	30.6	25.0	23.4	23.4
60°	7838.1	3748.9	154.0	130.6	83.8	53.2	32.2	21.8	18.5	17.7	17.7
62.5°	8575.0	3907.0	131.4	104.8	65.3	39.5	23.4	14.5	13.7	13.7	12.9
65°	9025.7	3683.6	110.5	83.8	50.8	29.8	15.3	10.5	12.1	11.3	9.7
67.5°	8450.8	2883.9	90.3	65.3	39.5	22.6	9.7	7.3	12.9	10.5	8.1
70°	*6997.2*	*2018.8*	*70.1*	*46.0*	*31.4*	*19.3*	*6.4*	*4.8*	*13.7*	*10.5*	*6.4*
72.5°	5236.4	1351.2	55.6	30.6	23.4	16.9	5.6	2.4	12.1	8.9	5.6
75°	2861.3	544.2	44.3	19.3	14.5	12.1	4.0	1.6	8.1	6.4	4.0
77.5°	753.0	143.5	32.2	12.9	8.1	4.8	2.4	0.8	4.0	3.2	1.6
80°	191.9	55.6	21.0	8.9	5.6	2.4	0.0	0.0	0.8	0.0	0.0
82.5°	102.4	23.4	12.9	6.4	3.2	0.0	0.0	0.0	0.0	0.0	0.0
85°	77.4	15.3	7.3	4.0	0.8	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	29.8	4.8	2.4	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

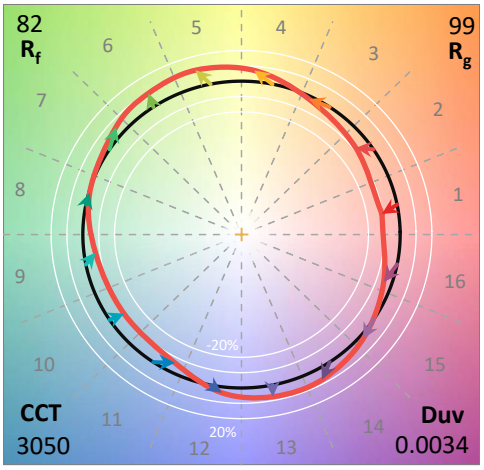
Test Information

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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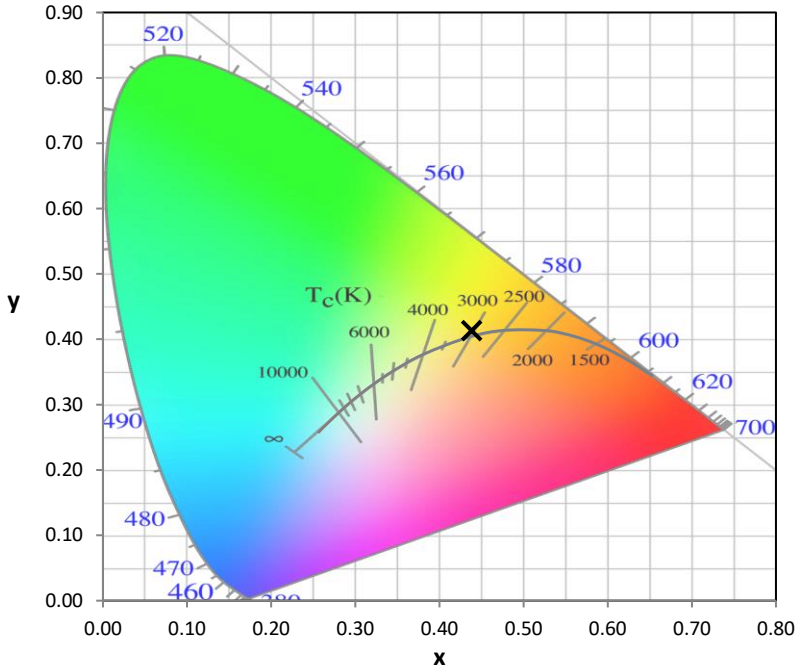
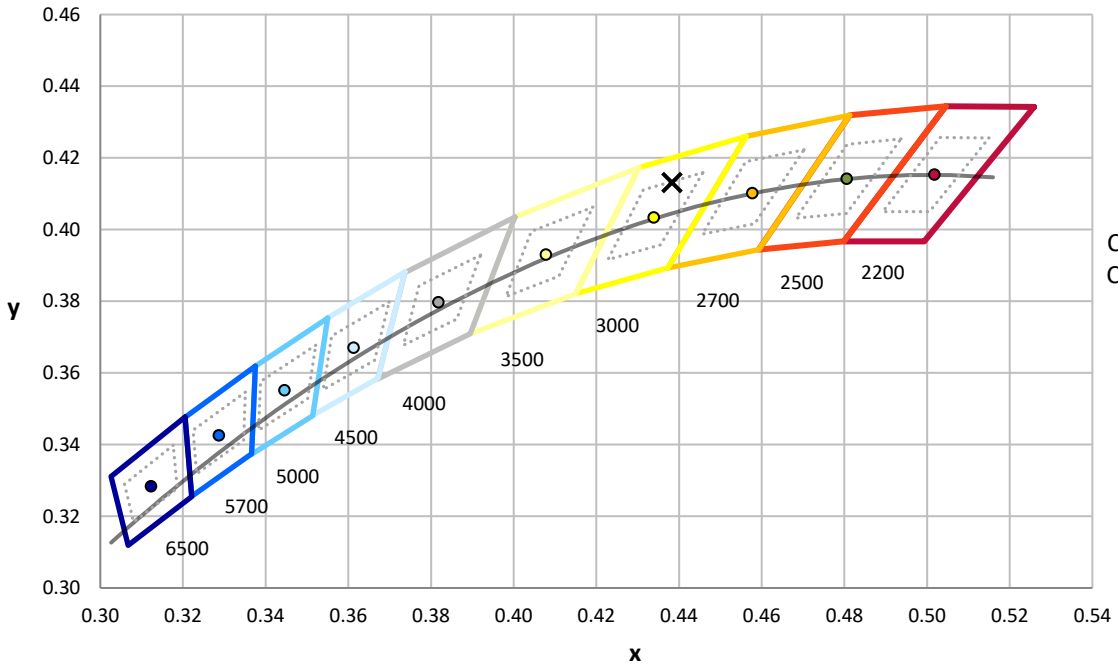
CIE 1931 Chromaticity Diagram



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

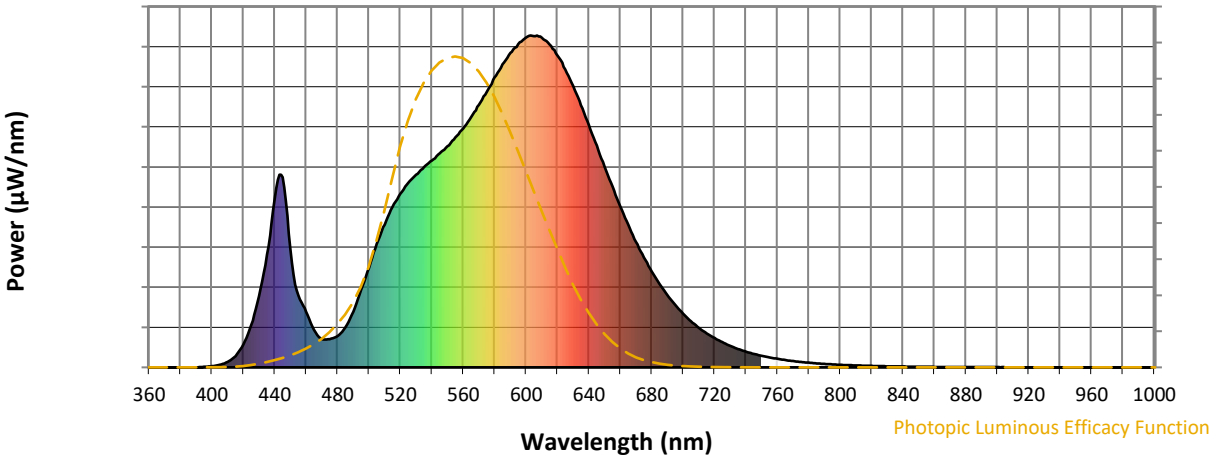


CCT = 3050K
CIE x = 0.4383
CIE y = 0.4131
Duv = 0.0034

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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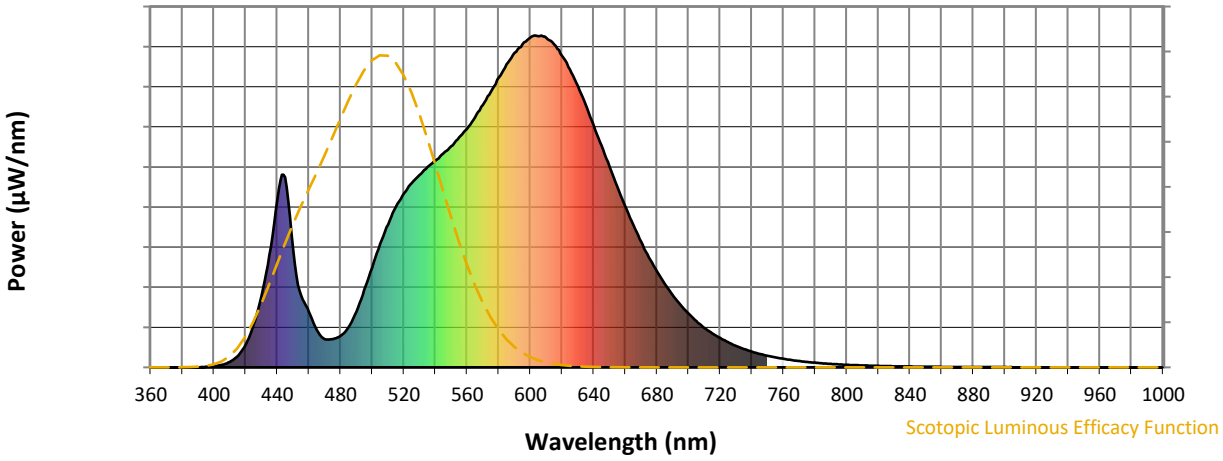
Scotopic Flux vs. Wavelength



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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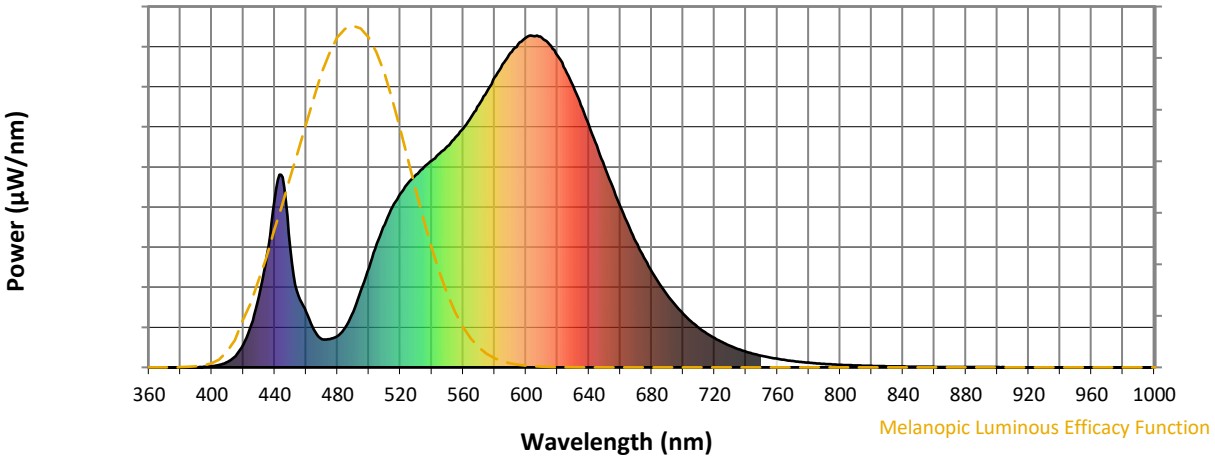
Melanopic Flux vs. Wavelength



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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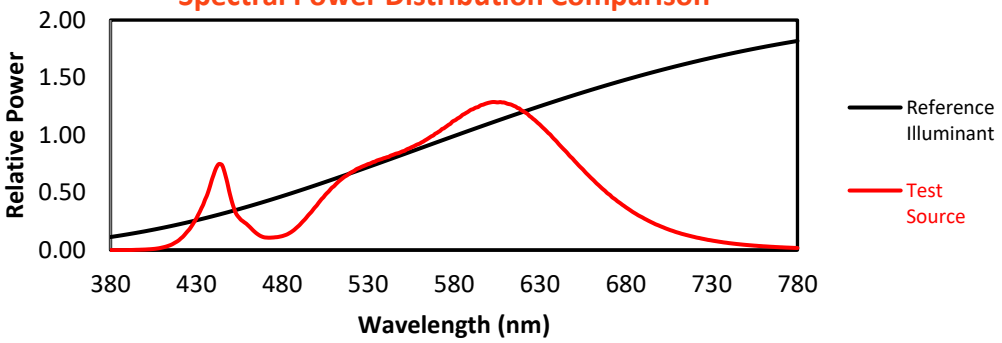
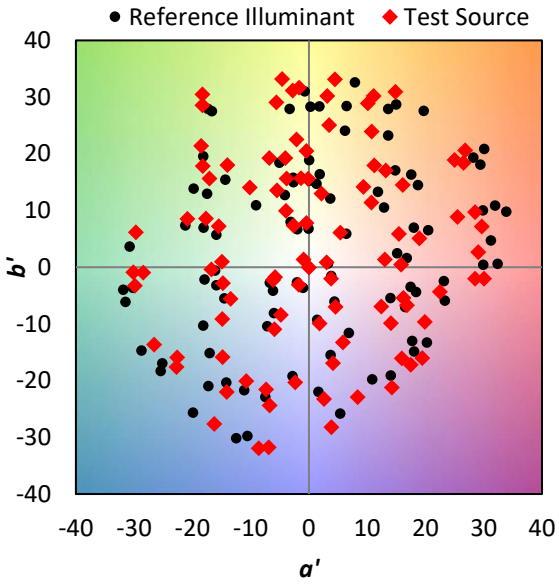
Summary

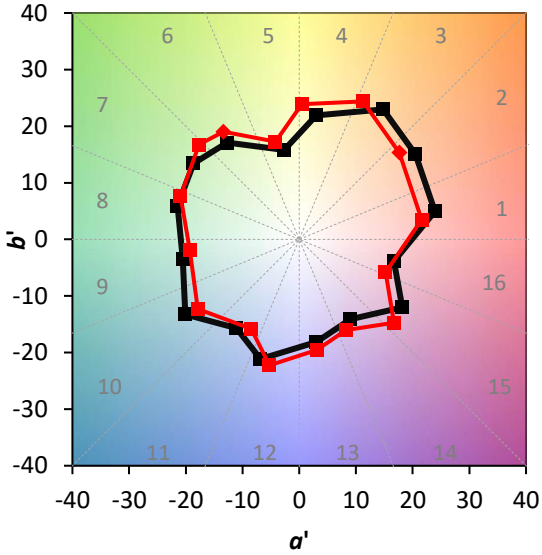
R_f = 81.5
R_g = 99.2
CIE R_a = 81.0
R_9 = 7.1

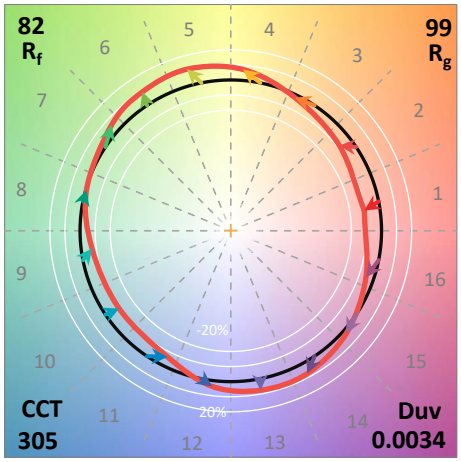
Spectral Power Distribution Comparison

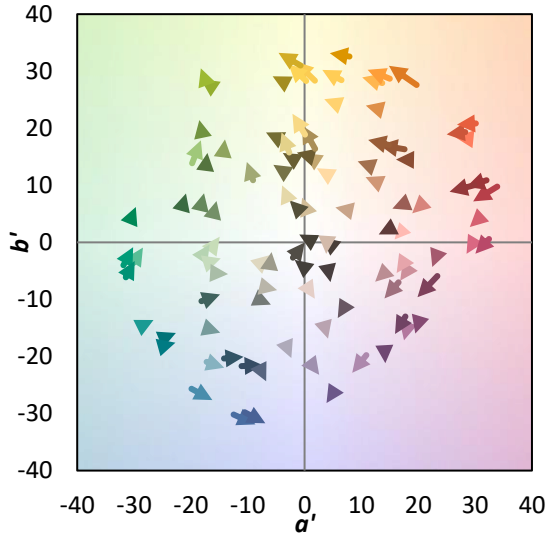


Color Vector Graphics









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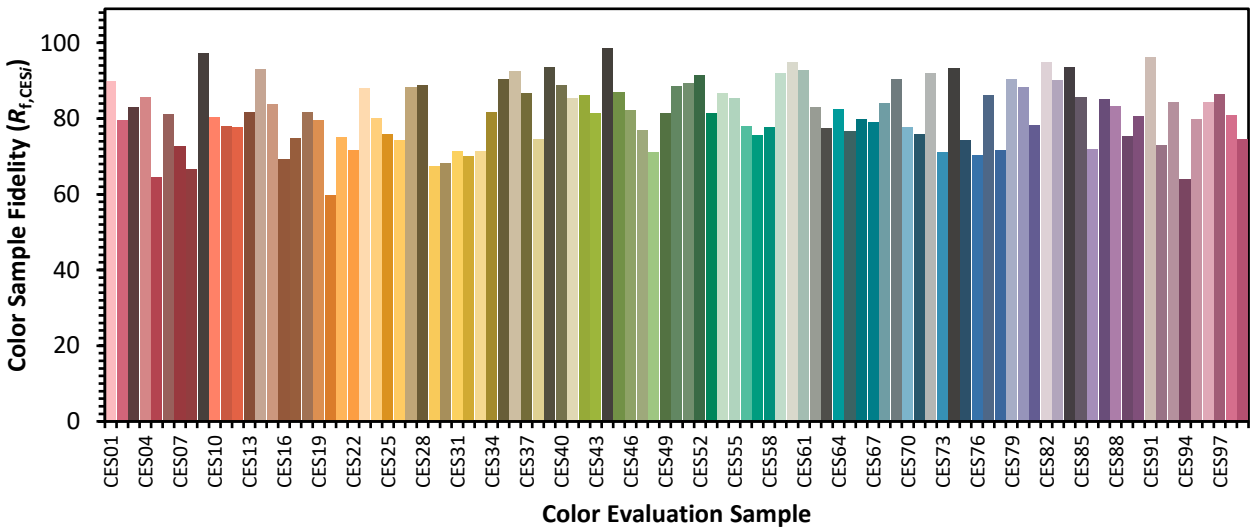
Individual Sample Fidelity Index ($R_{f,i}$)

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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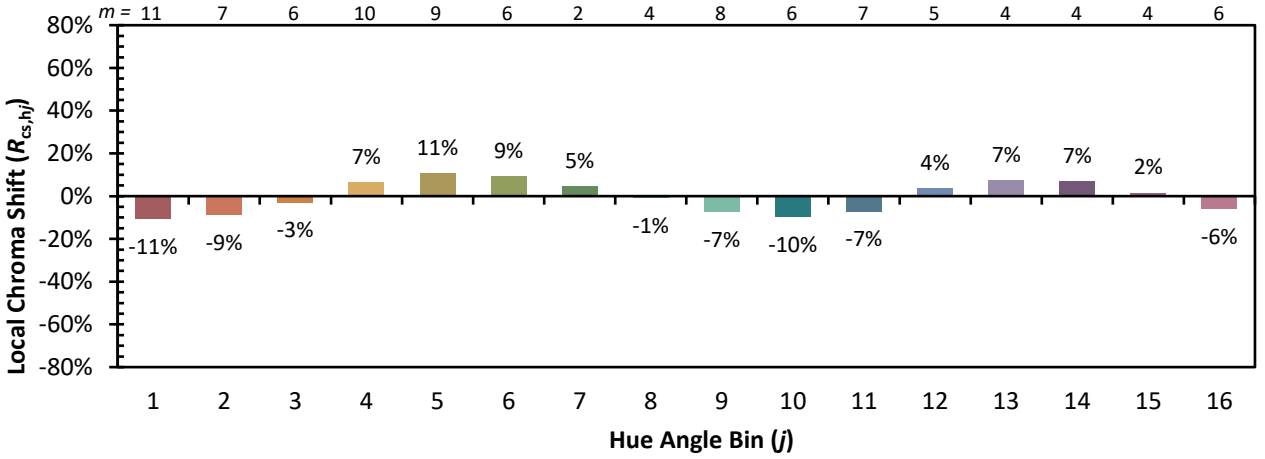
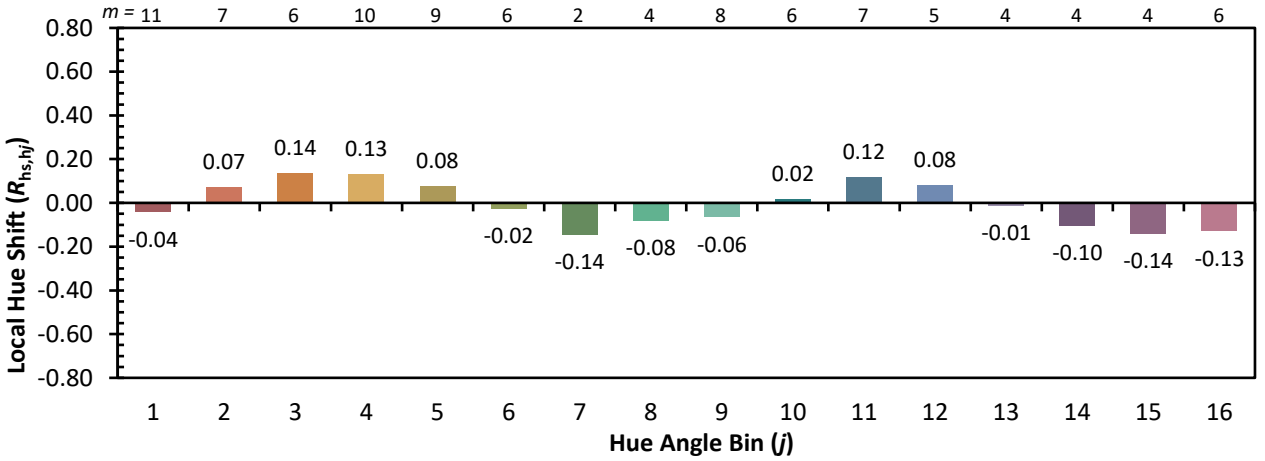
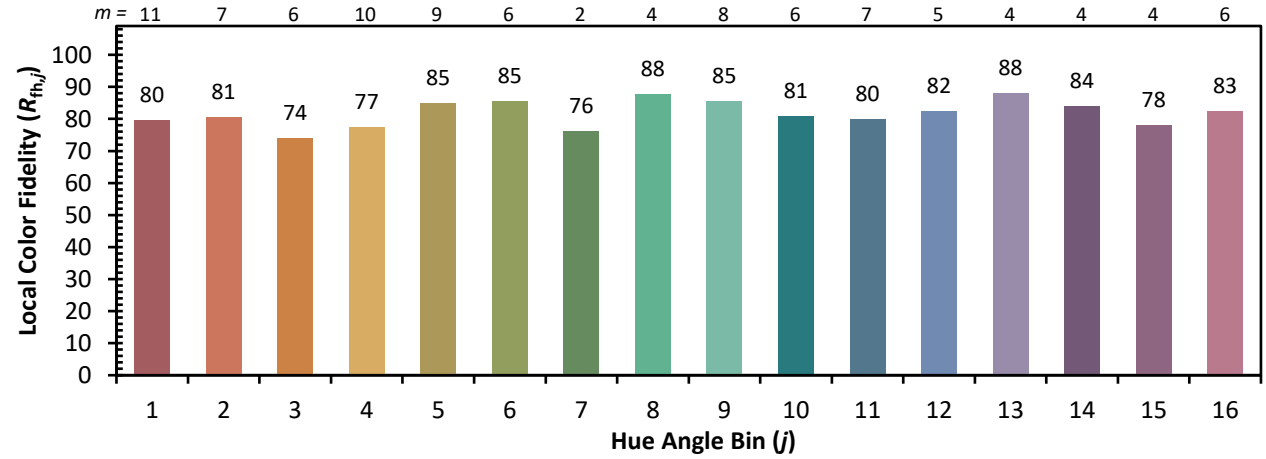
Color Rendition by Hue-Angle Bin







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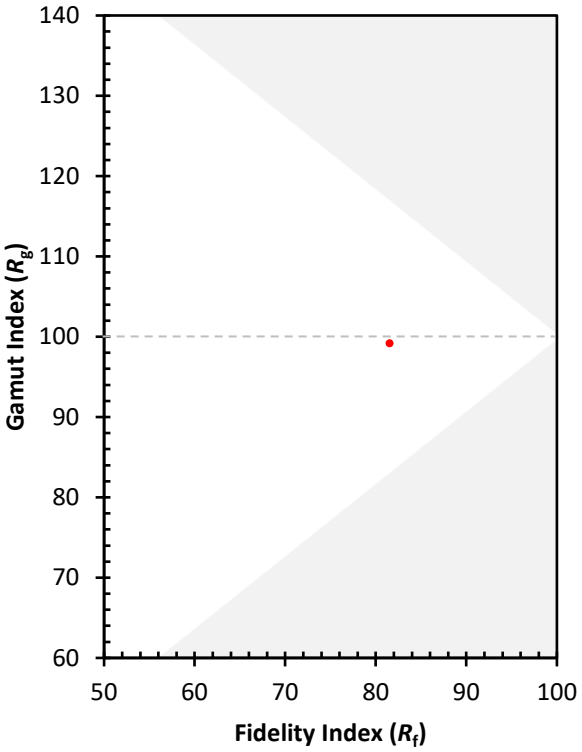
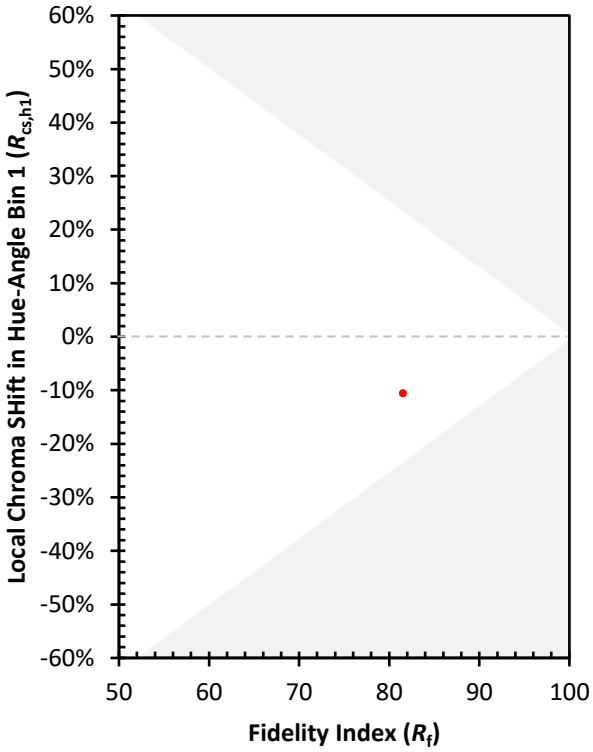
Measure Comparisons





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