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: P323681

Luminaire Tested: **GLEON-SA7B-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:	P323681
	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-SA7B-830-U-SL3-HSS
Description:	GALLEON AREA AND ROADWAY LUMINAIRE
	(7) 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:	27441 lumens
Efficiency:	N/A
Efficacy:	93.0 lumens/watt
Luminous Opening:	Rectangular (W 2' x L: 1' x H: 0')
IES Classification:	Type III - Medium
BUG Rating:	B2 - U0 - G4

Input Watts (W):	295
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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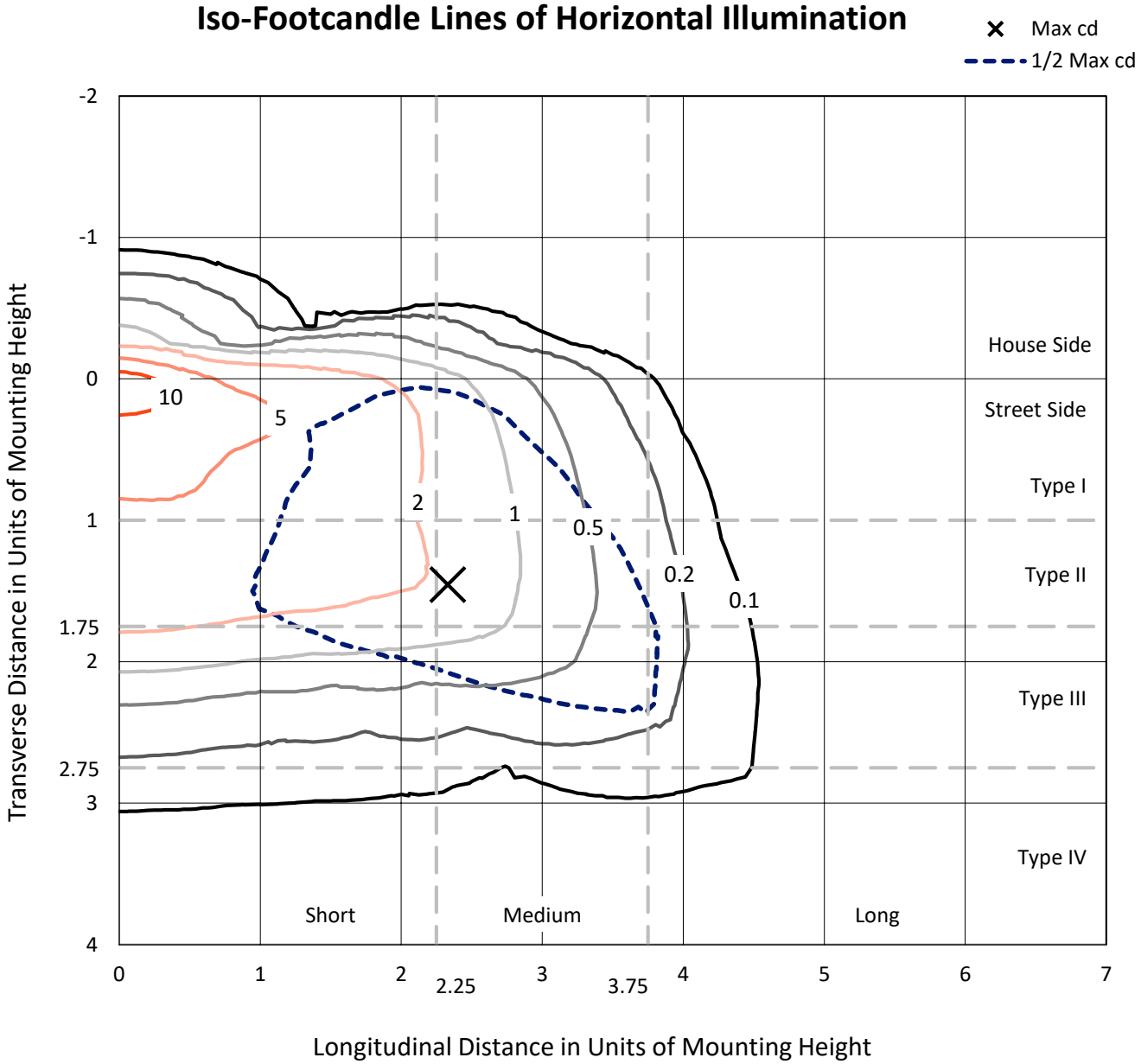
Scaled Data Report

REPORT NUMBER: P323681
CATALOG NUMBER: GLEON-SA7B-830-U-SL3-HSS

Iso-Footcandle Lines of Horizontal Illumination



Based on 25 foot mounting height. Maximum calculated value = 13.2 fc
Type III - Medium - N/A

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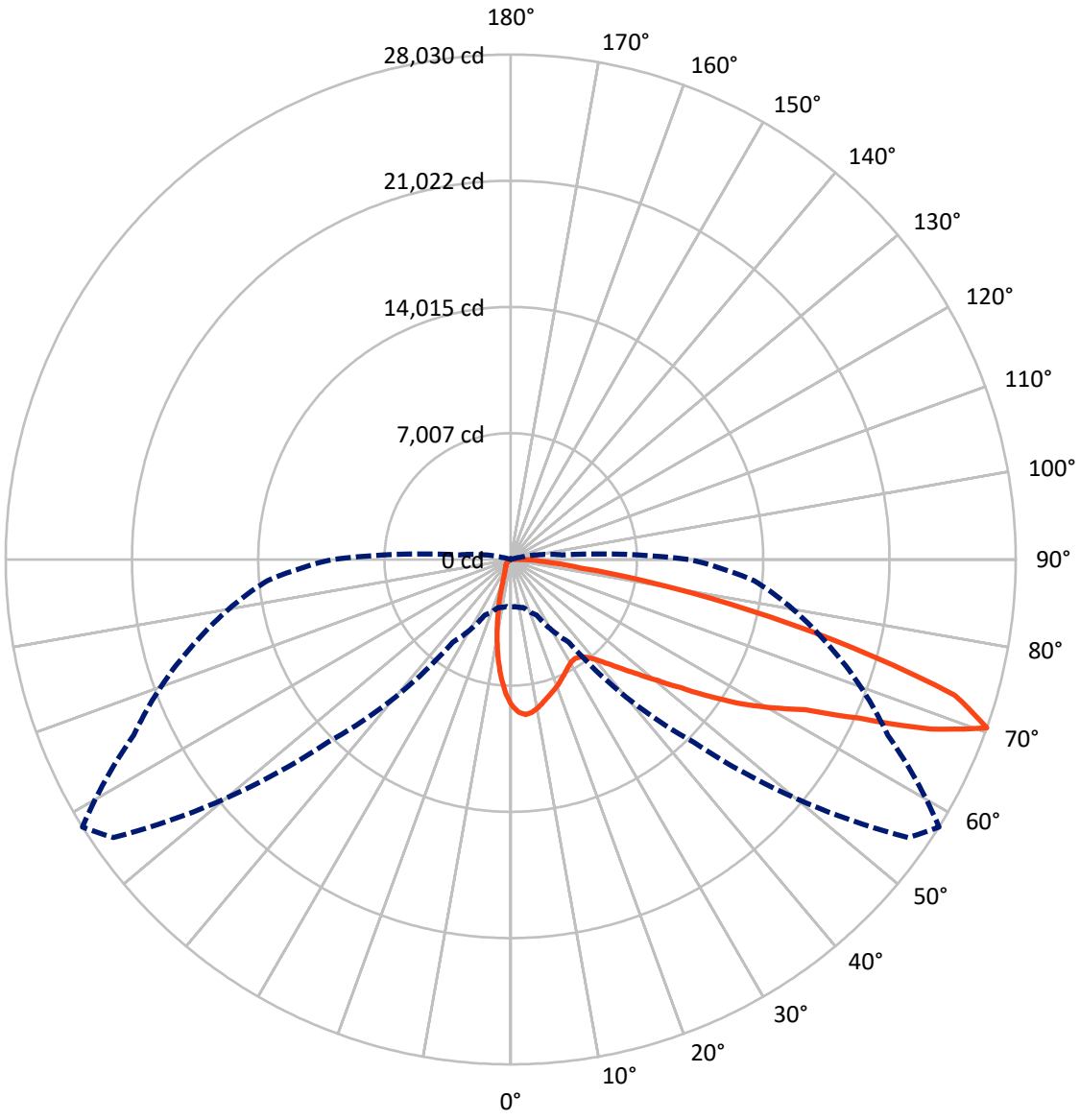
Luminous Intensity Polar Plot



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REPORT NUMBER: P323681
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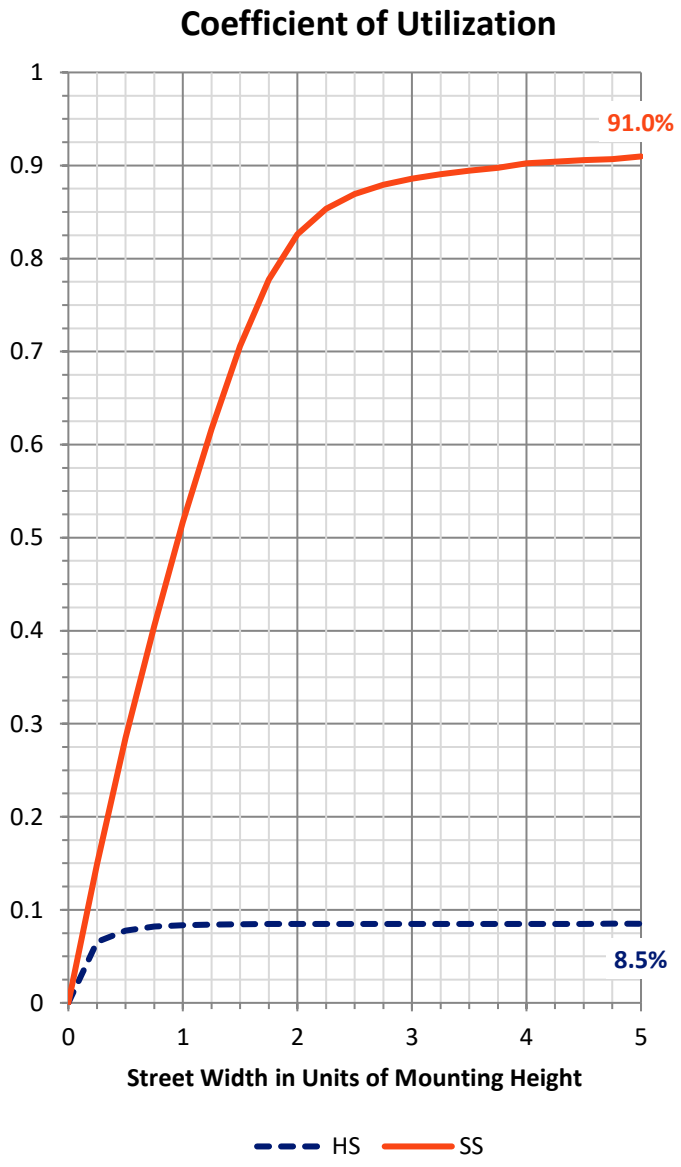
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2348.3	0.0	2348.3
	% Fixture	8.6	0.0	8.6
Street Side	Lumens	25092.7	0.0	25092.7
	% Fixture	91.4	0.0	91.4
Total	Lumens	27441.0	0.0	27441.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	662.9	2.4
10°-20°	1391.2	5.1
20°-30°	1828.9	6.7
30°-40°	2422.2	8.8
40°-50°	3620.5	13.2
50°-60°	5799.8	21.1
60°-70°	7310.6	26.6
70°-80°	3943.3	14.4
80°-90°	461.6	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°	27441.0	100.0
0°-180°	27441.0	100.0



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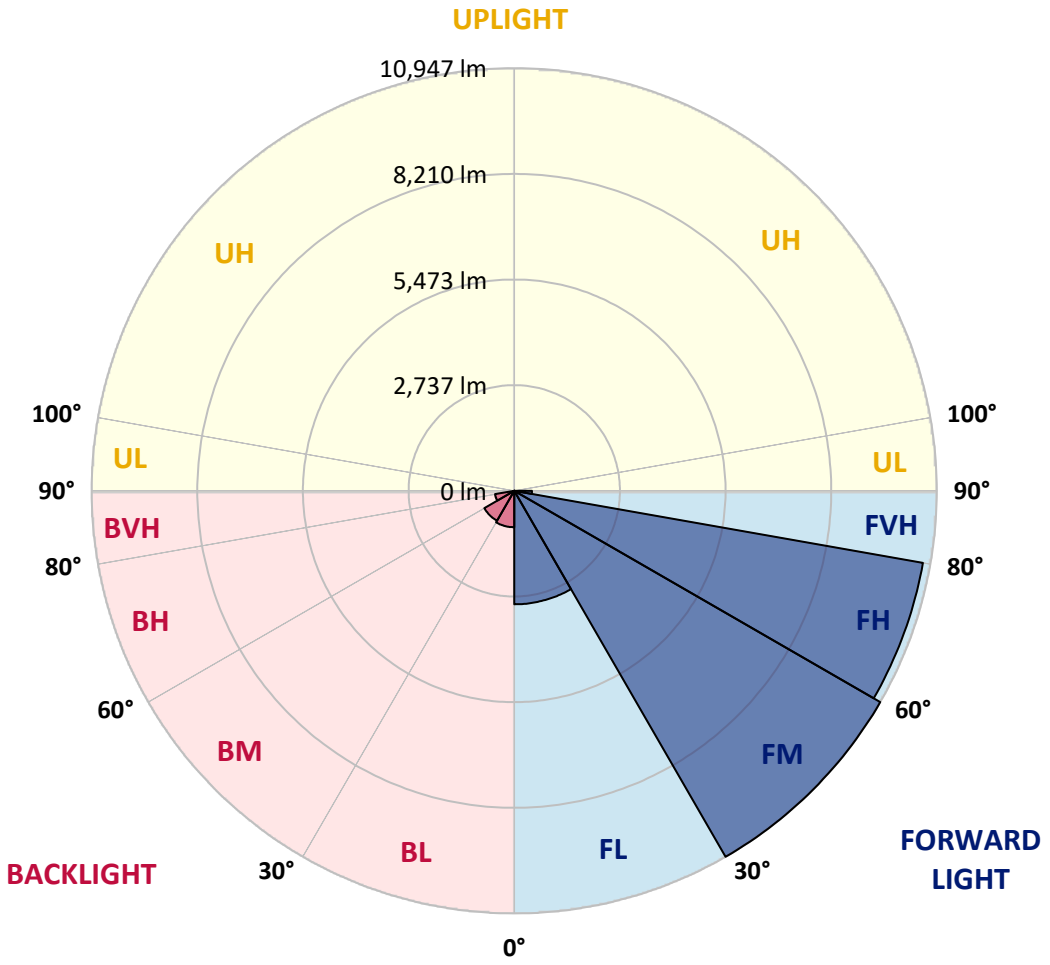
REPORT NUMBER: P323681
CATALOG NUMBER: GLEON-SA7B-830-U-SL3-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	2939.5	10.7			
FM	(30°-60°)	10946.6	39.9			
FH	(60°-80°)	10748.9	39.2			G4/12000
FVH	(80°-90°)	457.6	1.7			G3/500
BL	(0°-30°)	943.5	3.4	B2/1000		
BM	(30°-60°)	895.9	3.3	B1/1000		
BH	(60°-80°)	505.0	1.8	B2/1000		G2/1000
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 III Medium



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REPORT NUMBER: P323681
CATALOG NUMBER: GLEON-SA7B-830-U-SL3-HSS

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	58°	65°	75°	85°
0°	8105.9	8105.9	8105.9	8105.9	8105.9	8105.9	8105.9	8105.9	8105.9	8105.9	8105.9
2.5°	8778.0	8756.3	8748.3	8734.7	8682.2	8630.8	8529.3	8500.7	8436.8	8285.1	8124.2
5°	8784.9	8783.7	8807.7	8802.0	8783.7	8759.8	8686.7	8649.1	8540.7	8323.9	8029.5
7.5°	8361.5	8383.2	8436.8	8480.2	8530.4	8595.4	8604.6	8568.1	8479.1	8245.1	7854.9
10°	7793.3	7827.5	7902.8	7988.4	8119.6	8249.7	8366.1	8361.5	8330.7	8100.2	7645.0
12.5°	7223.9	7263.9	7350.6	7477.2	7663.2	7875.5	8083.1	8111.6	8163.0	7970.2	7451.0
15°	6725.3	6759.5	6845.1	7000.3	7230.8	7516.0	7820.7	7873.2	8005.5	7868.6	7289.0
17.5°	6302.0	6323.6	6386.4	6558.7	6825.7	7171.4	7567.4	7670.1	7867.5	7788.7	7148.6
20°	6006.4	6009.9	6050.9	6171.9	6438.9	6825.7	7304.9	7452.1	7721.4	7720.3	7003.7
22.5°	5860.4	5849.0	5857.0	5926.6	6122.8	6495.9	7042.5	7217.1	7590.2	7662.1	6856.5
25°	5833.0	5823.9	5801.0	5810.2	5928.8	6207.3	6777.8	6979.7	7474.9	7626.7	6728.7
27.5°	5918.6	5927.7	5888.9	5847.8	5857.0	6020.1	6542.7	6776.6	7381.4	7626.7	6638.6
30°	6090.9	6095.4	6066.9	6013.3	5941.4	5967.6	6379.5	6613.5	7334.6	7679.2	6581.5
32.5°	6281.4	6306.5	6303.1	6259.7	6157.0	6050.9	6340.8	6554.1	7331.2	7795.6	6575.8
35°	6517.6	6546.1	6594.1	6584.9	6477.7	6303.1	6473.1	6640.8	7398.5	7987.3	6637.4
37.5°	6768.6	6812.0	6914.7	6963.8	6894.2	6696.8	6769.8	6889.6	7578.8	8297.6	6793.7
40°	7011.7	7060.7	7247.9	7440.7	7388.2	7185.1	7219.4	7315.2	7899.4	8743.8	7090.4
42.5°	7250.2	7323.2	7598.2	7915.4	7978.1	7816.1	7834.4	7910.8	8375.2	9357.7	7575.4
45°	7535.4	7617.6	8024.9	8416.3	8584.0	8513.3	8590.9	8641.1	8997.1	10168.9	8229.2
47.5°	7954.2	8048.9	8548.7	8994.8	9289.2	9334.8	9491.2	9524.3	9783.3	11113.7	9081.5
50°	8771.2	8797.4	9249.3	9654.3	10078.8	10352.6	10530.6	10555.8	10734.9	12146.4	10146.1
52.5°	9799.2	9816.4	10072.0	10343.5	10826.2	11385.3	11801.8	11837.1	11874.8	13152.8	11197.0
55°	10820.5	10818.2	10987.1	11146.8	11699.1	12511.5	13415.2	13436.9	13166.4	14107.8	12000.3
57.5°	11458.3	11519.9	11776.7	11982.1	12753.4	13795.2	15049.2	15129.0	14523.1	14815.3	12794.5
60°	11255.2	11284.9	11854.3	12614.2	14066.7	15619.7	16702.5	16723.1	15543.2	15521.6	13798.6
62.5°	9589.3	9605.3	10499.8	12066.5	14732.0	17986.2	18697.1	18362.7	16716.2	16501.7	15000.1
65°	6572.4	6676.2	7423.6	9359.9	13509.9	19470.7	21784.7	21231.3	18504.2	17914.3	16086.4
67.5°	3870.4	3848.7	4218.4	5644.7	9922.5	18484.8	25690.5	25140.5	20942.6	18860.2	15768.0
70°	2643.8	2629.0	2770.4	3417.4	5601.4	14339.4	26919.4	28029.6	23095.8	18223.5	13570.4
72.5°	1887.3	1895.3	2104.1	2655.2	3516.7	8354.7	23149.4	25777.2	22421.4	15886.7	10315.0
75°	1281.4	1303.1	1602.0	2178.2	3083.1	4250.4	16427.5	19595.1	18257.8	11546.2	5928.8
77.5°	689.2	713.1	1065.7	1754.9	2787.6	2953.0	10567.2	13485.9	11468.6	5190.6	1718.4
80°	287.5	301.2	498.6	1275.7	2408.7	2593.6	6217.5	8177.8	4887.1	1023.5	383.4
82.5°	124.4	131.2	207.7	761.1	1800.6	2189.7	3291.9	3934.3	1481.1	224.8	192.8
85°	24.0	25.1	85.6	402.8	1149.0	1235.7	2133.7	2091.5	665.2	97.0	140.3
87.5°	0.0	0.0	20.5	126.7	337.7	673.2	1301.9	1286.0	225.9	46.8	52.5
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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REPORT NUMBER: P323681
CATALOG NUMBER: GLEON-SA7B-830-U-SL3-HSS

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	8105.9	8105.9	8105.9	8105.9	8105.9	8105.9	8105.9	8105.9	8105.9	8105.9	8105.9
2.5°	8042.0	7963.3	7797.9	7593.6	7437.3	7265.0	7128.1	6954.6	6879.3	6882.7	6841.7
5°	7861.8	7699.7	7333.5	6871.3	6515.3	6147.9	5831.9	5516.9	5330.9	5270.5	5213.4
7.5°	7603.9	7347.2	6762.9	6050.9	5448.5	4859.7	4347.4	3896.6	3611.4	3472.2	3420.8
10°	7312.9	6952.4	6106.8	5168.9	4308.6	3512.1	2848.0	2270.7	2040.2	1883.9	1843.9
12.5°	7057.3	6569.0	5465.6	4264.1	3242.8	2282.1	1648.8	1289.4	1133.1	1071.4	1061.2
15°	6816.6	6210.7	4848.3	3444.8	2245.6	1404.6	1048.6	926.5	890.0	879.7	879.7
17.5°	6589.5	5869.5	4244.7	2638.1	1485.6	984.7	868.3	840.9	829.5	828.4	829.5
20°	6352.2	5528.3	3651.3	1932.9	1037.2	834.1	802.2	787.3	783.9	783.9	783.9
22.5°	6125.1	5187.2	3074.0	1380.7	831.8	761.1	745.1	734.8	731.4	730.3	728.0
25°	5907.2	4863.1	2510.3	975.6	730.3	697.2	683.5	669.8	659.5	653.8	650.4
27.5°	5728.0	4574.4	1985.4	782.8	659.5	631.0	613.9	593.3	568.2	556.8	552.3
30°	5585.4	4310.8	1530.1	660.7	593.3	564.8	538.6	503.2	466.7	447.3	446.1
32.5°	5473.6	4051.8	1161.6	584.2	534.0	498.6	461.0	416.5	374.3	352.6	351.4
35°	5418.8	3823.6	887.7	528.3	481.5	437.0	390.2	341.2	300.1	279.6	277.3
37.5°	5455.3	3630.8	692.6	481.5	437.0	385.7	330.9	279.6	243.0	224.8	223.6
40°	5588.8	3507.6	562.5	441.6	399.4	336.6	277.3	229.3	198.5	183.7	182.6
42.5°	5872.9	3461.9	480.4	408.5	362.9	291.0	230.5	189.4	160.9	150.6	148.3
45°	6347.6	3529.2	424.5	376.5	325.2	247.6	190.6	155.2	130.1	122.1	121.0
47.5°	6979.7	3706.1	384.5	345.7	291.0	208.8	158.6	125.5	106.1	98.1	97.0
50°	7794.4	3986.8	351.4	314.9	259.0	176.9	131.2	99.3	82.2	76.4	76.4
52.5°	8681.0	4321.1	321.8	286.4	227.1	147.2	106.1	76.4	65.0	58.2	58.2
55°	9413.6	4613.2	289.8	264.7	188.3	122.1	81.0	58.2	47.9	44.5	44.5
57.5°	10145.0	4924.7	253.3	227.1	150.6	99.3	61.6	43.4	35.4	33.1	33.1
60°	11093.2	5305.8	217.9	184.8	118.7	75.3	45.6	30.8	26.2	25.1	25.1
62.5°	12136.1	5529.5	186.0	148.3	92.4	55.9	33.1	20.5	19.4	19.4	18.3
65°	12773.9	5213.4	156.3	118.7	71.9	42.2	21.7	14.8	17.1	16.0	13.7
67.5°	11960.4	4081.5	127.8	92.4	55.9	31.9	13.7	10.3	18.3	14.8	11.4
70°	*9903.1*	*2857.2*	*99.3*	*65.0*	*44.5*	*27.4*	*9.1*	*6.8*	*19.4*	*14.8*	*9.1*
72.5°	7411.0	1912.4	78.7	43.4	33.1	24.0	8.0	3.4	17.1	12.6	8.0
75°	4049.5	770.2	62.8	27.4	20.5	17.1	5.7	2.3	11.4	9.1	5.7
77.5°	1065.7	203.1	45.6	18.3	11.4	6.8	3.4	1.1	5.7	4.6	2.3
80°	271.6	78.7	29.7	12.6	8.0	3.4	0.0	0.0	1.1	0.0	0.0
82.5°	144.9	33.1	18.3	9.1	4.6	0.0	0.0	0.0	0.0	0.0	0.0
85°	109.5	21.7	10.3	5.7	1.1	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	42.2	6.8	3.4	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

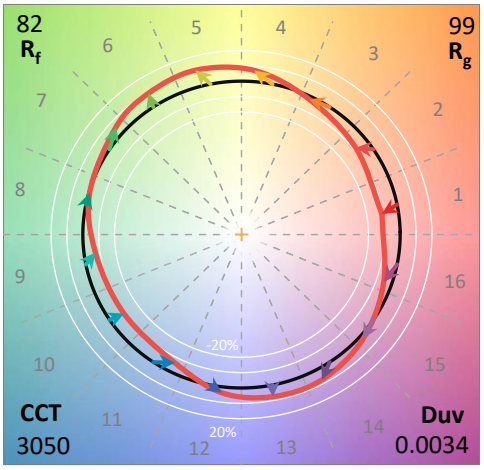
Test Information

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

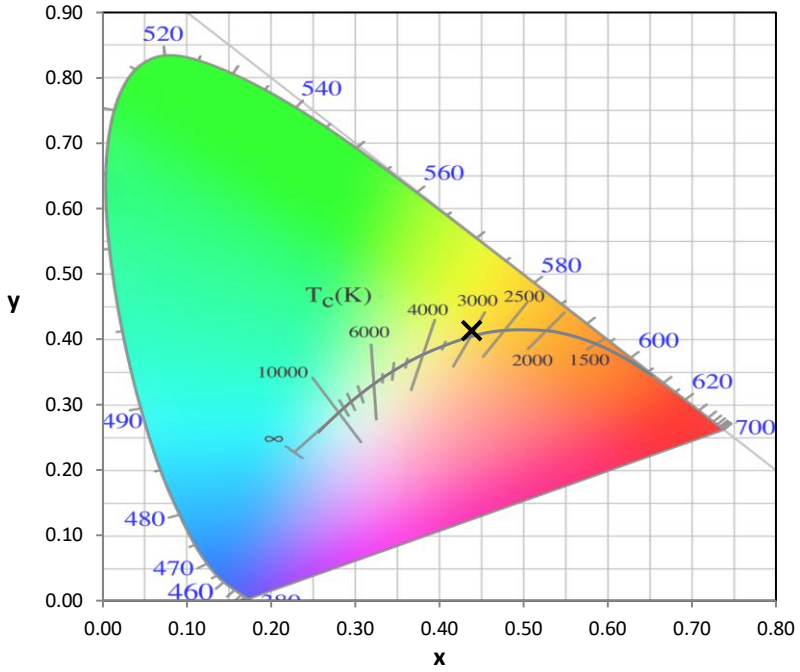
Stabilization Time:	20M
Operation Time:	1H 20M
Sphere Temperature (°C):	24.2

REPORT NUMBER: SP1-2408-195-9

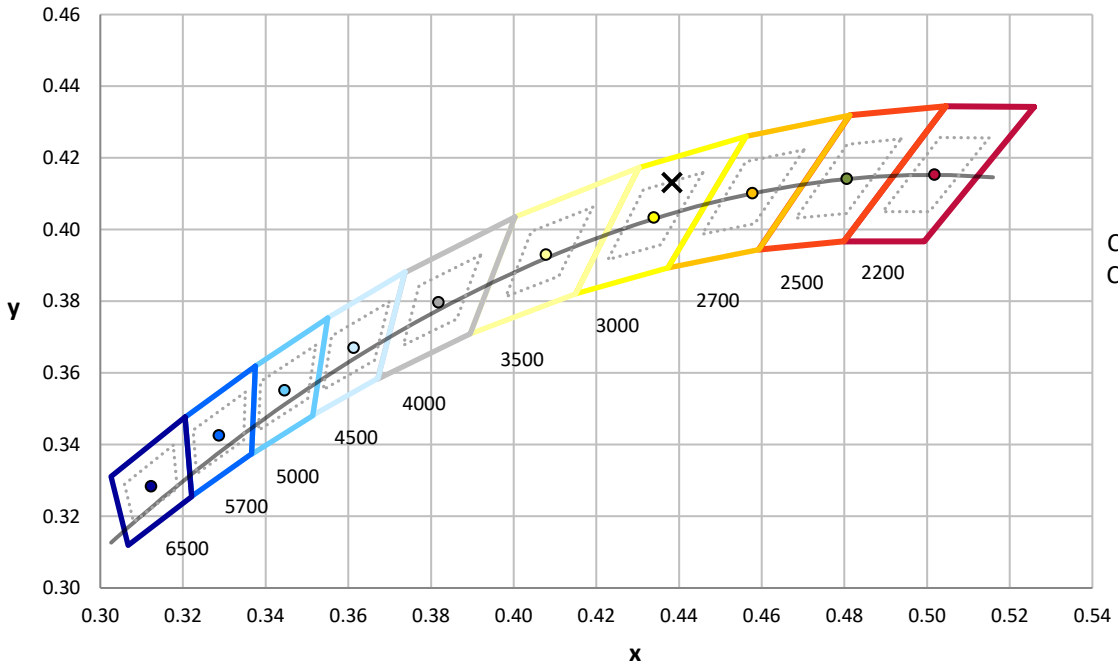
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085	10/24/2023	10/24/2024
Room Thermometer	IN0046	10/24/2023	10/24/2024

REPORT NUMBER: SP1-2408-195-9

CIE 1931 Chromaticity Diagram



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

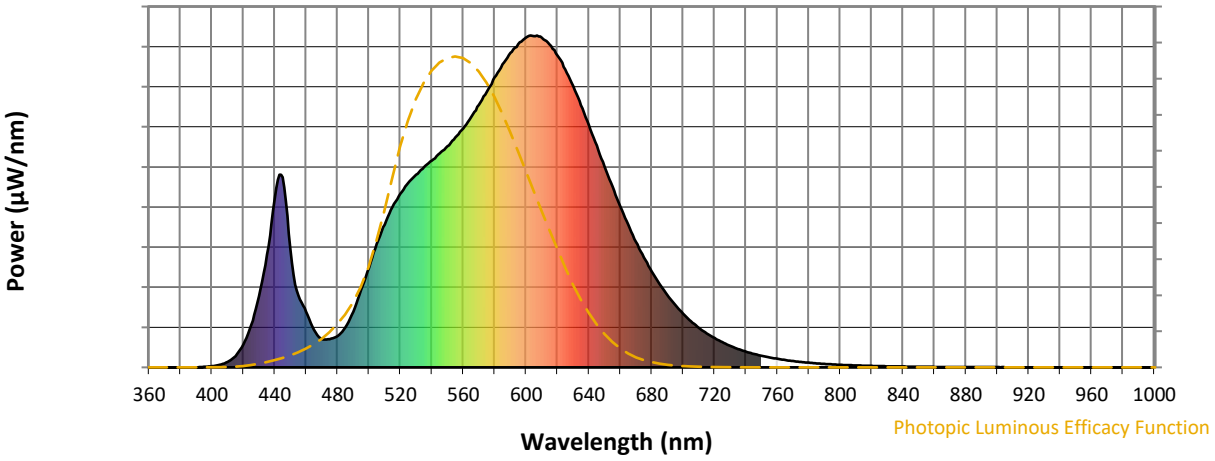


CCT = 3050K
CIE x = 0.4383
CIE y = 0.4131
Duv = 0.0034

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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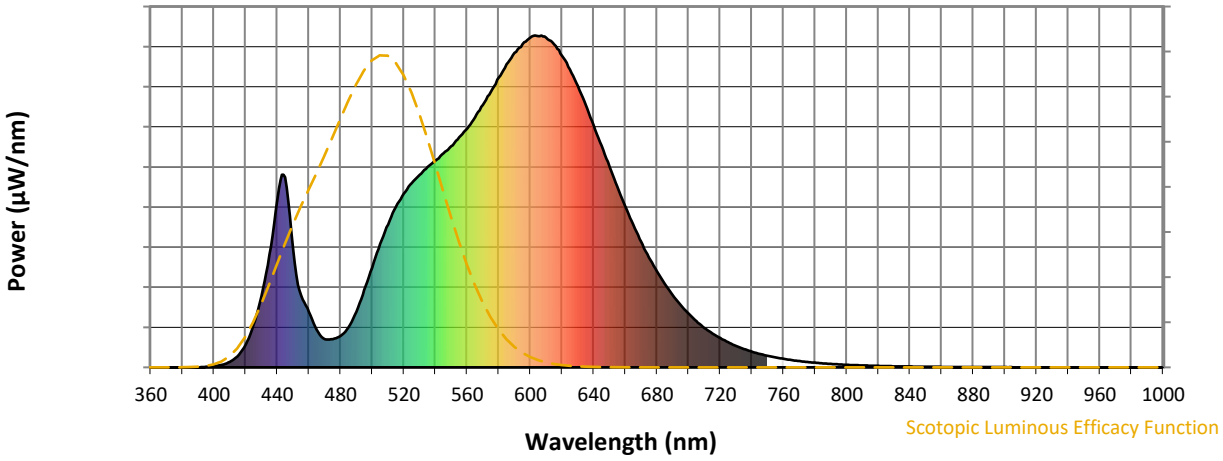
Scotopic Flux vs. Wavelength



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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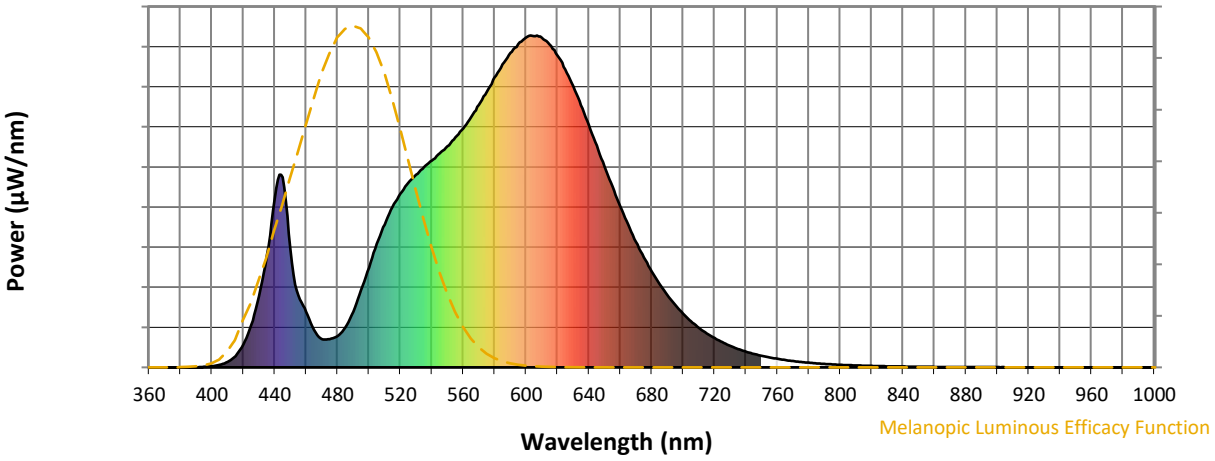
Melanopic Flux vs. Wavelength



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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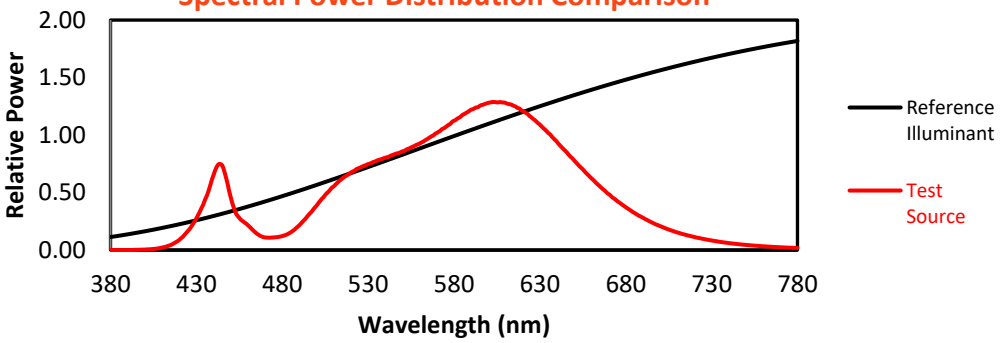
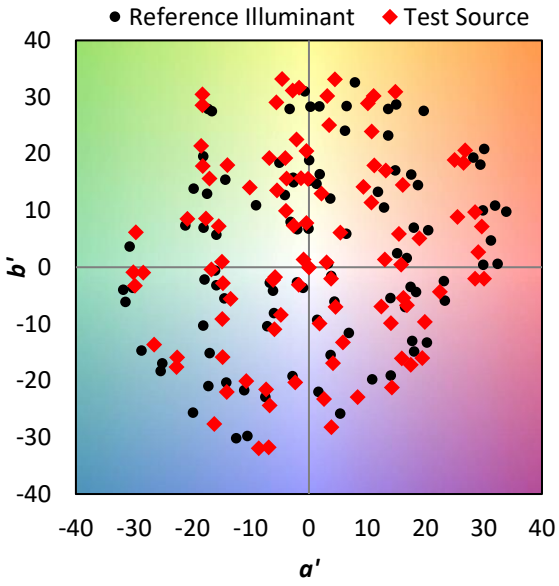
Summary

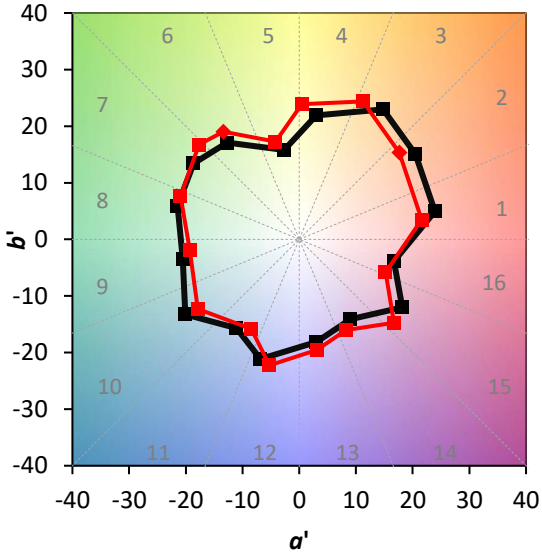
R_f = 81.5
R_g = 99.2
CIE R_a = 81.0
R_9 = 7.1

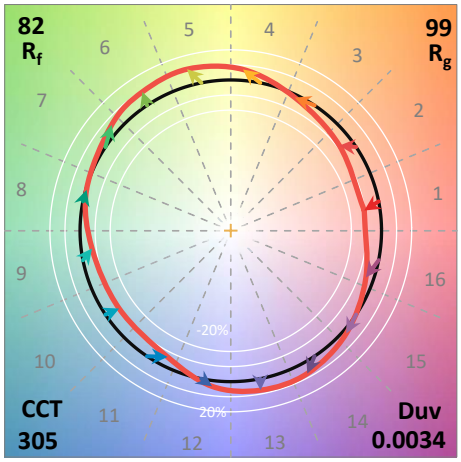
Spectral Power Distribution Comparison

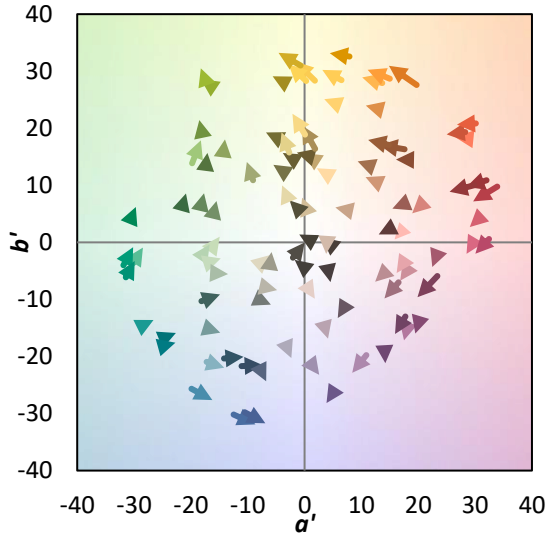


Color Vector Graphics









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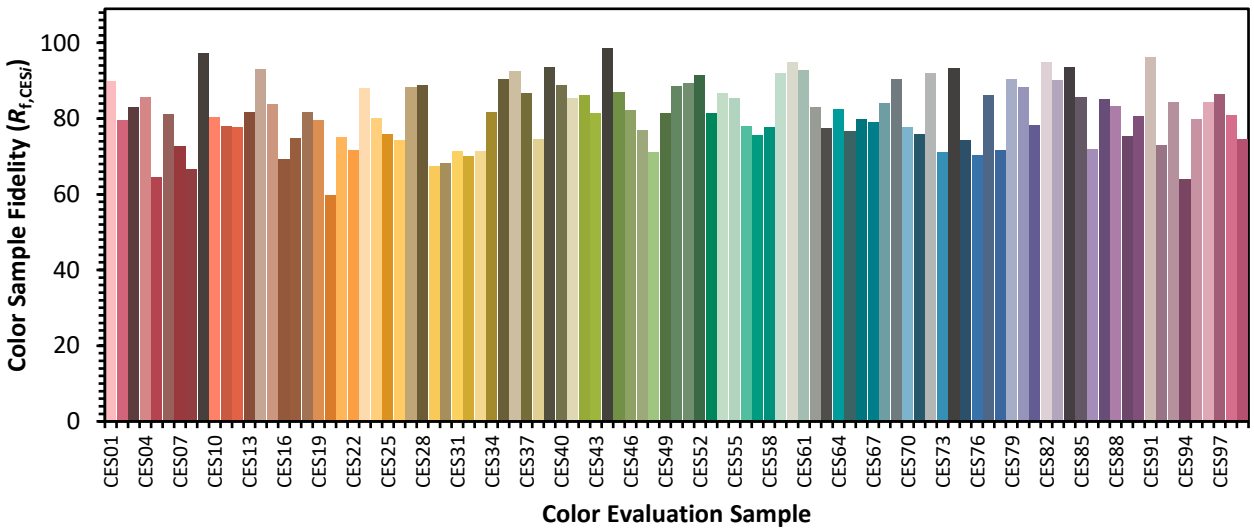
Individual Sample Fidelity Index ($R_{f,i}$)

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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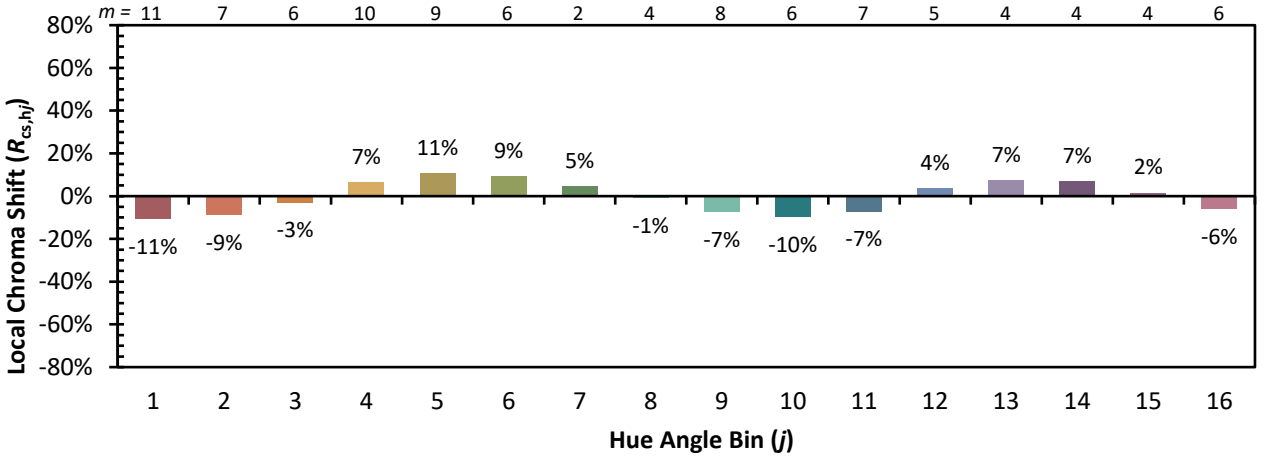
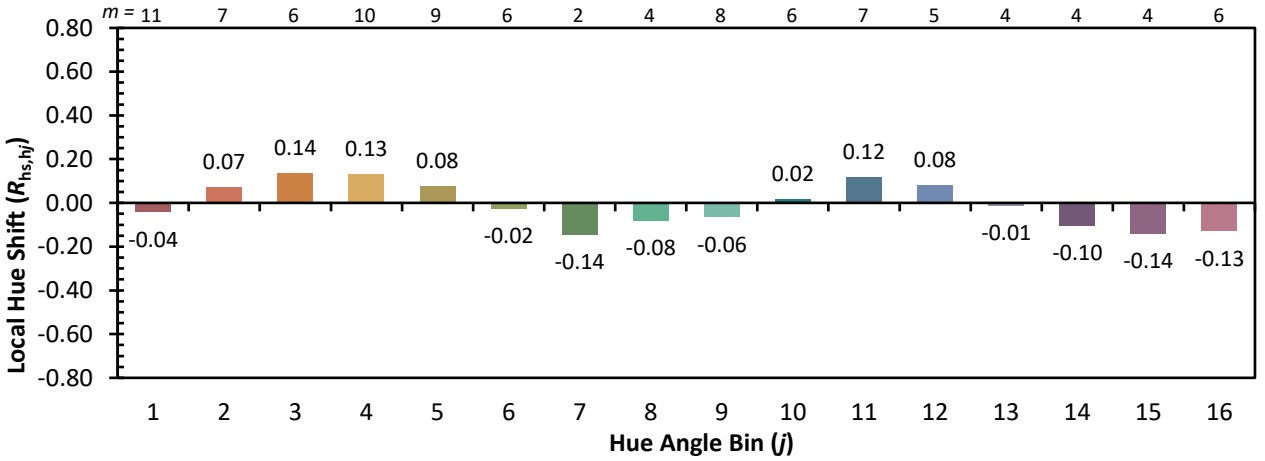
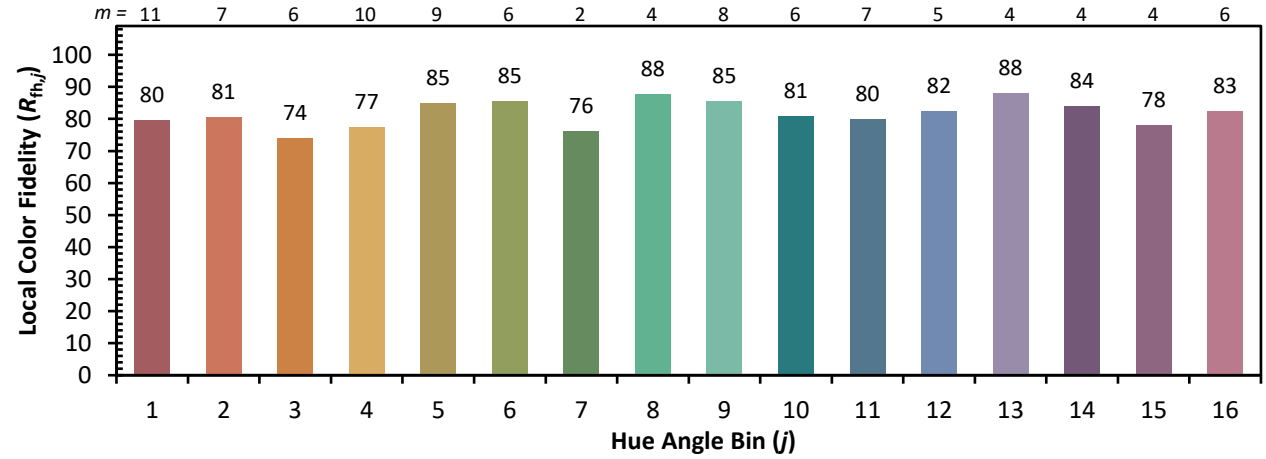
Color Rendition by Hue-Angle Bin







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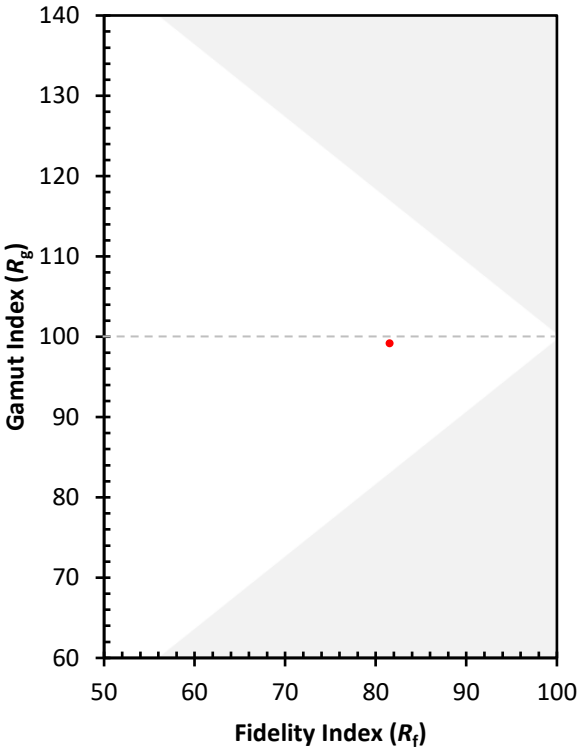
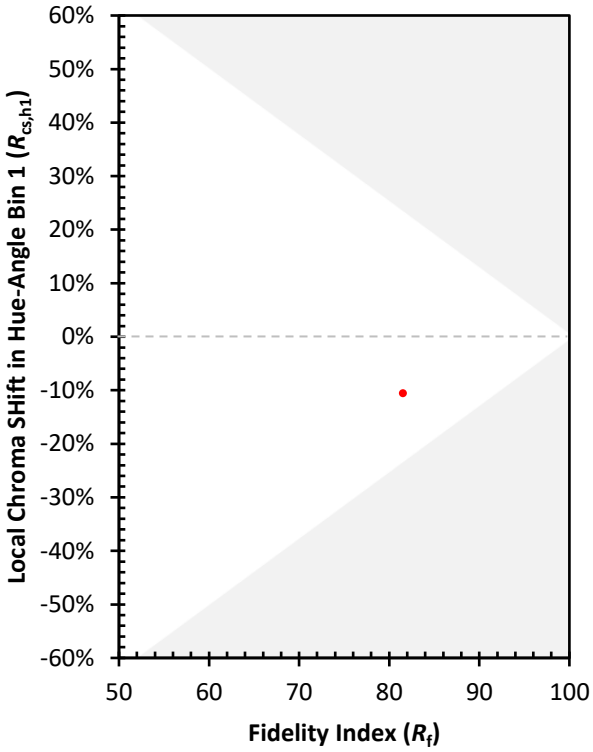
Measure Comparisons





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