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: P322092

Luminaire Tested: **GLEON-SA8C-830-U-T2-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:	P322092
	TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-13)
Test Lab:	INNOVATION CENTER
Issue Date:	3/3/2020
Manufacturer:	COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line:	McGRAW-EDISON
Catalog Number:	GLEON-SA8C-830-U-T2-HSS
Description:	GALLEON AREA AND ROADWAY LUMINAIRE
	(8) 80 CRI, 3000K, 1050mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II
	OPTICS WITH HOUSE SIDE SHIELD
Light Source:	-
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	32046 lumens
Efficiency:	N/A
Efficacy:	72.0 lumens/watt
Luminous Opening:	Rectangular (W 2' x L: 1' x H: 0')
IES Classification:	Type II - Medium
BUG Rating:	B2 - U0 - G4

Input Watts (W):	445
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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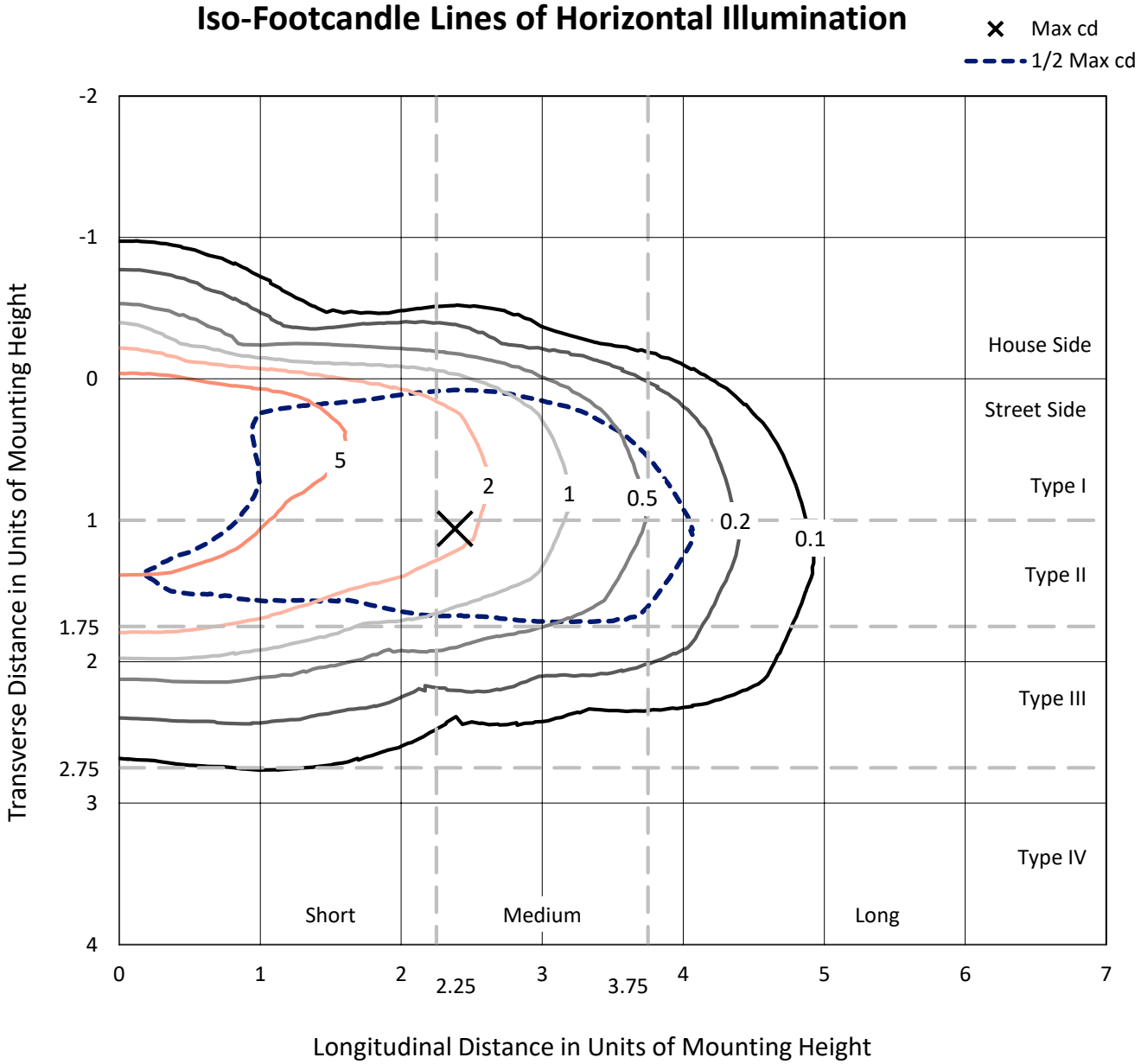
Scaled Data Report

REPORT NUMBER: P322092
CATALOG NUMBER: GLEON-SA8C-830-U-T2-HSS

Iso-Footcandle Lines of Horizontal Illumination



Based on 25 foot mounting height. Maximum calculated value = 9.7 fc
Type II - Medium - N/A

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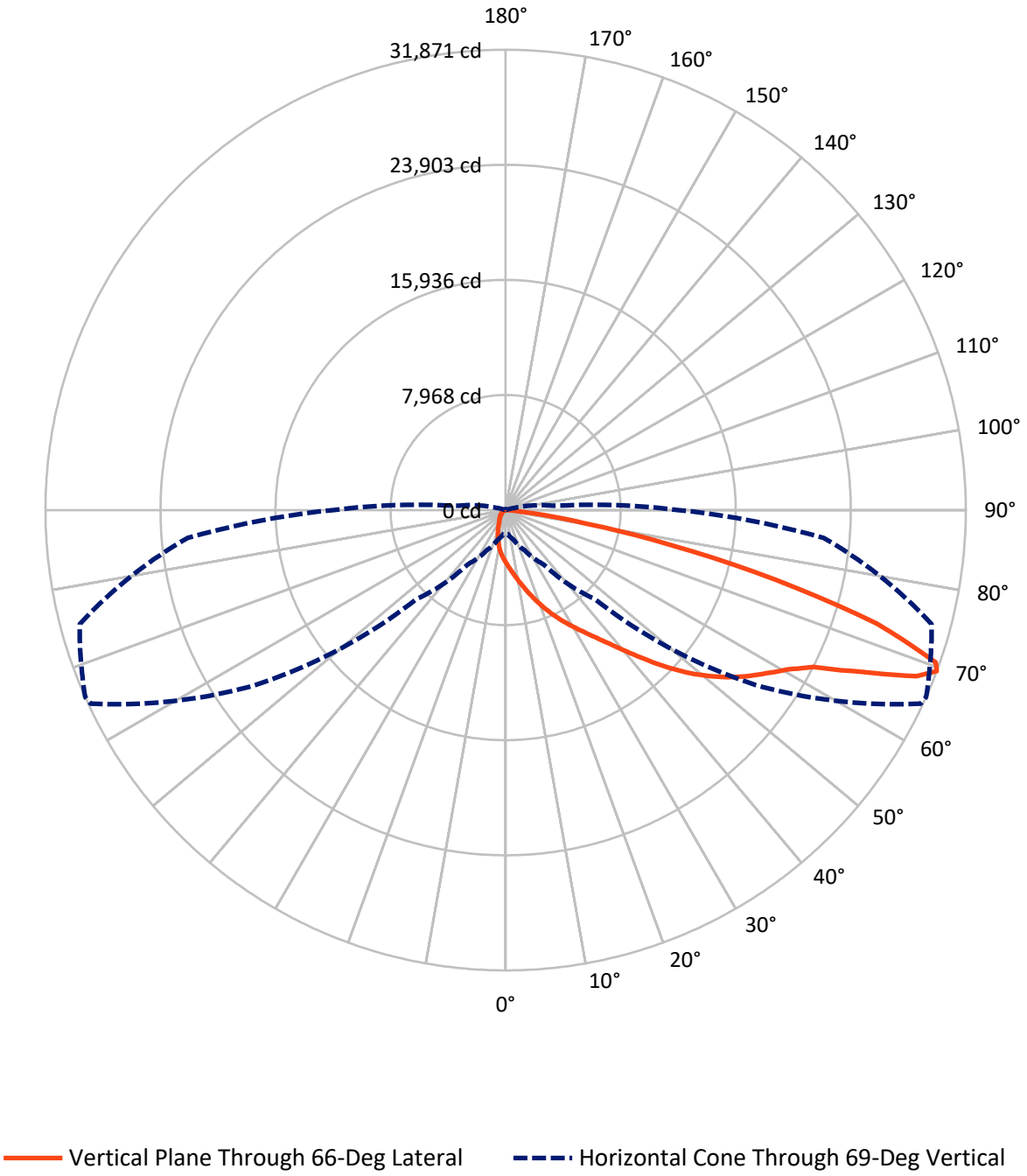
Luminous Intensity Polar Plot



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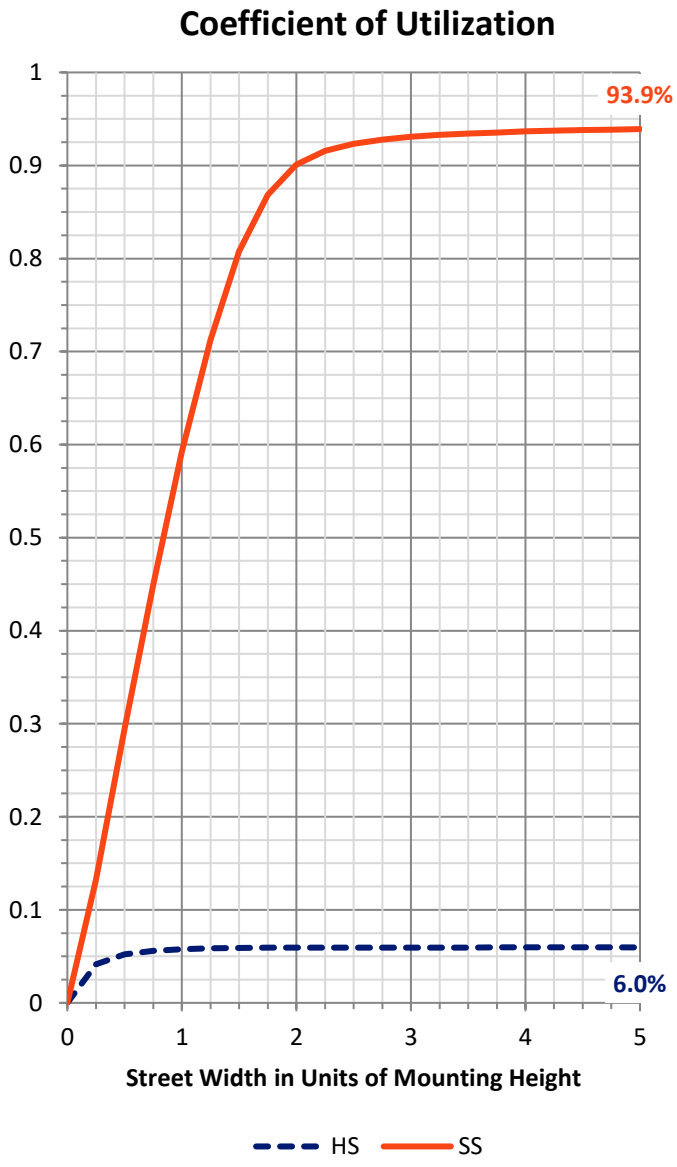
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1922.3	0.0	1922.3
	% Fixture	6.0	0.0	6.0
Street Side	Lumens	30123.7	0.0	30123.7
	% Fixture	94.0	0.0	94.0
Total	Lumens	32046.0	0.0	32046.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	352.5	1.1
10°-20°	1049.2	3.3
20°-30°	1827.0	5.7
30°-40°	3205.5	10.0
40°-50°	5365.5	16.7
50°-60°	7886.7	24.6
60°-70°	8097.7	25.3
70°-80°	3997.6	12.5
80°-90°	264.3	0.8
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°	32046.0	100.0
0°-180°	32046.0	100.0



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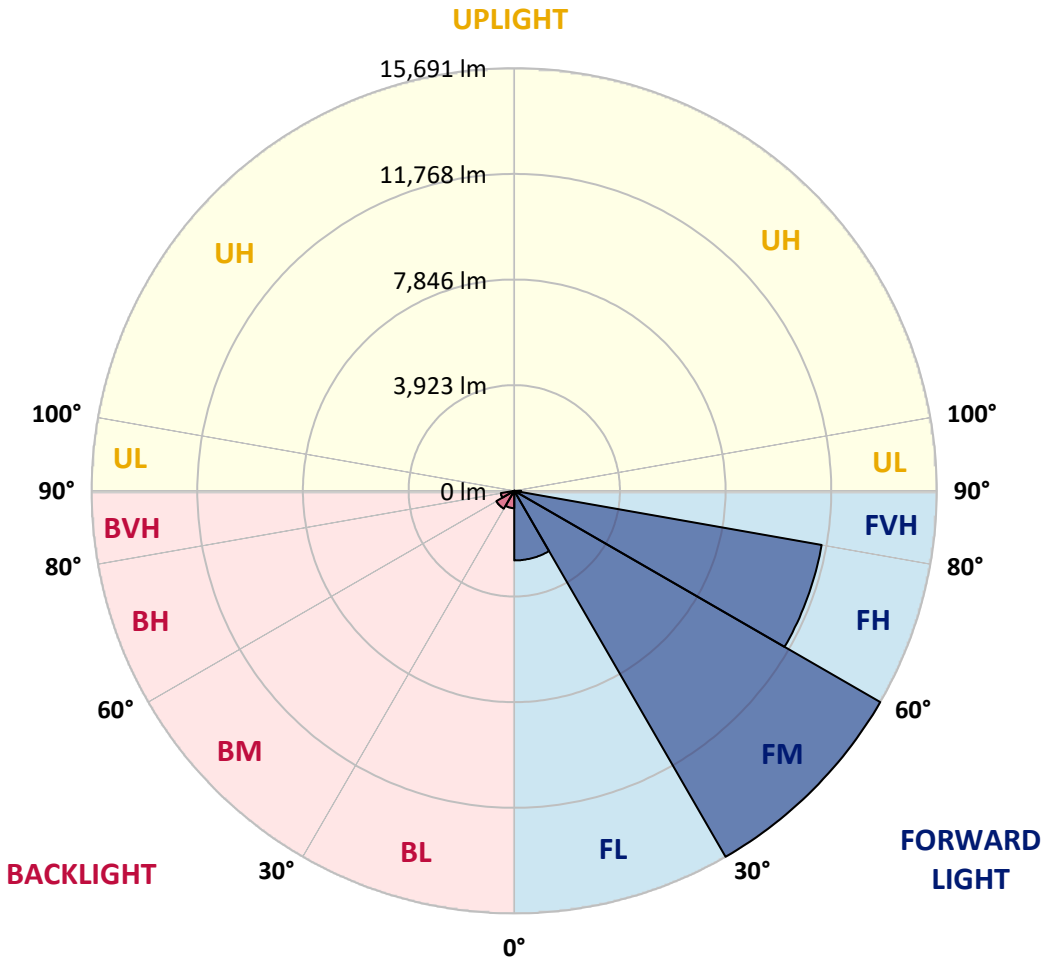
LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	2585.8	8.1			
FM	(30°-60°)	15691.3	49.0			
FH	(60°-80°)	11588.7	36.2			G4/12000
FVH	(80°-90°)	257.9	0.8			G3/500
BL	(0°-30°)	642.9	2.0	B2/1000		
BM	(30°-60°)	766.4	2.4	B1/1000		
BH	(60°-80°)	506.6	1.6	B2/1000		G2/1000
BVH	(80°-90°)	6.4	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 II Medium



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REPORT NUMBER: P322092
CATALOG NUMBER: GLEON-SA8C-830-U-T2-HSS

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	66°	75°	85°
0°	3646.9	3646.9	3646.9	3646.9	3646.9	3646.9	3646.9	3646.9	*3646.9*	3646.9	3646.9
2.5°	4292.3	4274.0	4266.4	4232.9	4175.1	4131.0	4045.7	3946.8	*3928.5*	3832.6	3715.4
5°	4849.4	4834.2	4823.5	4776.3	4717.0	4605.9	4450.6	4266.4	*4231.4*	4048.8	3814.4
7.5°	5237.5	5264.9	5264.9	5234.5	5159.9	5076.2	4885.9	4634.8	*4590.6*	4310.6	3946.8
10°	5464.3	5497.8	5523.7	5549.6	5538.9	5505.4	5325.8	5042.7	*4989.4*	4618.0	4100.5
12.5°	5485.6	5519.1	5592.2	5700.2	5805.3	5881.4	5768.7	5494.8	*5433.9*	4974.2	4283.2
15°	5366.9	5401.9	5514.5	5724.6	5978.8	6201.0	6237.5	5995.5	*5933.1*	5398.9	4511.5
17.5°	5159.9	5182.7	5344.1	5634.8	6033.6	6441.5	6662.2	6532.8	*6475.0*	5884.4	4765.7
20°	5006.2	5022.9	5164.5	5476.5	6000.1	6592.2	7064.0	7103.6	*7042.7*	6405.0	5041.2
22.5°	5269.5	5299.9	5304.5	5452.1	5908.8	6666.8	7417.2	7665.3	*7619.6*	6957.5	5312.1
25°	5989.4	6024.4	5908.8	5817.4	5986.4	6700.3	7720.1	8240.6	*8204.1*	7552.6	5584.6
27.5°	6940.7	6977.3	6828.1	6555.7	6392.8	6826.6	7989.5	8825.1	*8823.6*	8182.8	5878.3
30°	7875.3	7911.8	7759.6	7487.2	7112.7	7184.3	8222.4	9437.0	*9446.1*	8832.7	6190.4
32.5°	8855.5	8901.2	8744.4	8394.3	8003.2	7802.3	8549.6	10051.9	*10103.7*	9586.1	6542.0
35°	9969.7	9975.8	9755.1	9388.3	8937.7	8628.8	9074.7	10741.4	*10864.7*	10519.2	6987.9
37.5°	11062.6	11106.7	10925.6	10347.2	9933.2	9583.1	9855.6	11602.9	*11778.0*	11659.2	7570.9
40°	11872.3	11965.2	11939.3	11315.2	10922.5	10672.9	10825.1	12627.3	*12849.5*	12986.5	8306.1
42.5°	12380.7	12450.7	12569.5	12193.5	11837.3	11878.4	11969.7	13820.6	*14094.6*	14499.5	9150.8
45°	12963.7	12997.2	13096.1	12930.2	12689.7	13103.7	13184.4	15164.6	*15452.3*	16126.6	10088.4
47.5°	13676.0	13755.2	13782.6	13630.4	13520.8	14187.4	14354.9	16386.9	*16790.2*	17869.4	11080.8
50°	14583.2	14604.5	14651.7	14552.7	14443.2	15119.0	15405.1	17670.0	*18036.8*	19618.3	12059.6
52.5°	15470.6	15546.7	15711.1	15648.7	15604.5	15912.0	16341.2	18826.8	*19236.2*	21076.4	13036.7
55°	15726.3	15791.7	16359.5	16747.6	17106.8	16889.2	17236.2	19863.3	*20306.3*	22379.4	13977.4
57.5°	14705.0	14837.4	15820.6	16831.3	18321.4	18408.2	18466.0	20927.3	*21324.5*	23377.8	14956.1
60°	12123.5	12149.4	13762.8	15496.4	18120.5	19734.0	20262.1	22070.4	*22403.7*	24307.8	16128.1
62.5°	7710.9	7974.3	9744.4	12192.0	15995.7	19542.2	22434.1	23799.5	*23921.2*	25423.5	17808.5
65°	3672.8	3843.3	5118.8	7532.8	11586.2	17087.0	23933.4	26927.4	*26982.2*	27635.1	20053.6
67.5°	2033.5	2115.7	2723.0	4054.9	6773.3	12083.9	23327.6	30632.1	*30683.9*	29893.9	22023.2
69°	*1590.6*	*1660.6*	*2138.5*	*3056.4*	*4592.2*	*8685.1*	*21109.9*	*31717.4*	*31871.1*	*30540.8*	*22093.2*
70°	1350.1	1418.6	1841.7	2581.5	3692.6	6710.9	18790.3	31448.0	*31610.9*	30479.9	21571.1
72.5°	826.5	866.1	1226.8	1817.4	2474.9	3376.0	11587.7	26595.6	*26871.1*	27959.3	18539.1
75°	557.1	578.4	767.1	1254.2	1770.2	1738.2	6019.9	18746.1	*19342.8*	21749.2	13692.8
77.5°	398.8	418.6	514.5	811.3	1240.5	1147.7	2726.1	11650.1	*11778.0*	13044.3	7467.4
80°	226.8	245.1	363.8	482.5	841.7	765.6	1083.7	5564.8	*5628.7*	5593.7	2493.2
82.5°	118.7	133.9	199.4	318.1	540.3	500.8	450.5	1863.0	*1872.2*	1557.1	546.4
85°	22.8	27.4	98.9	217.7	278.5	217.7	184.2	436.8	*446.0*	394.2	135.5
87.5°	0.0	1.5	39.6	48.7	54.8	56.3	59.4	85.2	*91.3*	123.3	36.5
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: P322092
CATALOG NUMBER: GLEON-SA8C-830-U-T2-HSS

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	3646.9	3646.9	3646.9	3646.9	3646.9	3646.9	3646.9	3646.9	3646.9	3646.9	3646.9
2.5°	3663.7	3608.9	3503.9	3382.1	3287.7	3194.9	3121.8	3045.7	3018.3	3004.6	3003.1
5°	3700.2	3584.5	3362.3	3134.0	2946.8	2770.2	2643.9	2523.6	2467.3	2441.4	2430.8
7.5°	3761.1	3575.4	3217.7	2869.1	2599.7	2379.0	2204.0	2073.1	2007.6	1980.2	1969.6
10°	3832.6	3563.2	3048.8	2589.1	2245.1	2016.8	1843.3	1713.9	1642.3	1611.9	1596.7
12.5°	3916.3	3541.9	2853.9	2306.0	1942.2	1713.9	1503.8	1344.0	1261.8	1226.8	1210.1
15°	4019.9	3520.6	2650.0	2039.6	1675.8	1397.3	1167.4	1059.4	1042.6	1036.5	1038.1
17.5°	4121.8	3487.1	2427.7	1776.3	1395.8	1091.3	974.1	968.1	971.1	971.1	971.1
20°	4213.2	3411.0	2185.7	1551.0	1129.4	920.9	896.5	885.9	878.2	872.2	864.5
22.5°	4284.7	3309.0	1952.8	1327.3	922.4	843.2	805.2	771.7	744.3	726.0	716.9
25°	4333.4	3173.6	1739.8	1112.7	829.5	767.1	698.6	642.3	599.7	573.8	563.2
27.5°	4369.9	3027.4	1549.5	931.5	765.6	678.9	589.1	522.1	477.9	455.1	446.0
30°	4395.8	2861.5	1382.1	818.9	694.1	586.0	490.1	424.7	392.7	380.5	374.4
32.5°	4420.2	2677.4	1223.8	765.6	627.1	500.8	411.0	360.7	340.9	325.7	321.2
35°	4481.0	2506.9	1073.1	709.3	558.6	427.7	353.1	316.6	296.8	287.7	284.6
37.5°	4625.6	2380.6	928.5	651.5	490.1	369.9	309.0	283.1	264.8	255.7	252.7
40°	4858.5	2316.6	806.7	589.1	423.1	325.7	280.1	255.7	235.9	222.2	219.2
42.5°	5201.0	2325.8	721.5	526.6	369.9	290.7	252.7	223.7	202.4	190.3	187.2
45°	5616.5	2392.7	662.1	465.8	325.7	263.3	222.2	191.8	172.0	161.3	158.3
47.5°	6067.1	2500.8	613.4	411.0	290.7	237.4	191.8	159.8	143.1	133.9	132.4
50°	6542.0	2605.8	563.2	357.7	260.3	211.6	161.3	132.4	118.7	111.1	108.1
52.5°	7022.9	2727.6	517.5	309.0	234.4	181.1	133.9	108.1	97.4	91.3	88.3
55°	7540.5	2818.9	473.4	270.9	208.5	153.7	111.1	89.8	80.7	73.1	71.5
57.5°	8149.3	2960.5	427.7	234.4	178.1	127.9	91.3	71.5	63.9	56.3	54.8
60°	8971.2	3126.4	379.0	207.0	146.1	105.0	74.6	57.8	48.7	42.6	41.1
62.5°	10055.0	3310.6	318.1	181.1	118.7	85.2	59.4	45.7	35.0	27.4	27.4
65°	11429.4	3610.4	260.3	152.2	97.4	70.0	45.7	33.5	19.8	12.2	12.2
67.5°	12231.5	3662.2	210.0	124.8	79.1	59.4	38.1	22.8	6.1	1.5	0.0
69°	*11974.3*	*3362.3*	*178.1*	*106.5*	*68.5*	*56.3*	*35.0*	*16.7*	*3.0*	*0.0*	*0.0*
70°	11490.3	3074.6	156.8	94.4	62.4	53.3	33.5	12.2	3.0	0.0	0.0
72.5°	9494.8	2188.8	118.7	70.0	45.7	47.2	30.4	7.6	3.0	0.0	0.0
75°	6916.4	1330.3	85.2	48.7	28.9	35.0	21.3	3.0	1.5	0.0	0.0
77.5°	3847.9	627.1	53.3	27.4	18.3	21.3	10.7	0.0	0.0	0.0	0.0
80°	1249.6	170.5	24.4	15.2	10.7	12.2	4.6	0.0	0.0	0.0	0.0
82.5°	231.4	48.7	13.7	7.6	3.0	3.0	0.0	0.0	0.0	0.0	0.0
85°	50.2	19.8	7.6	3.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	16.7	6.1	1.5	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

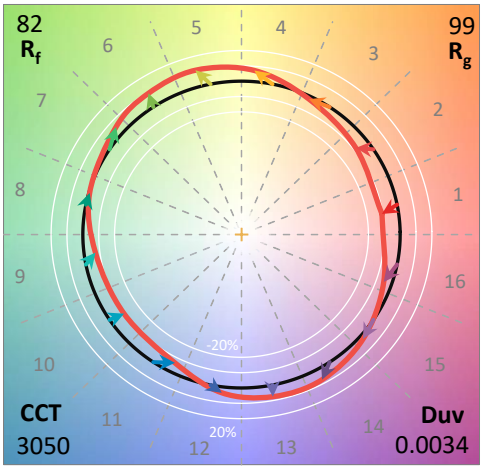
Test Information

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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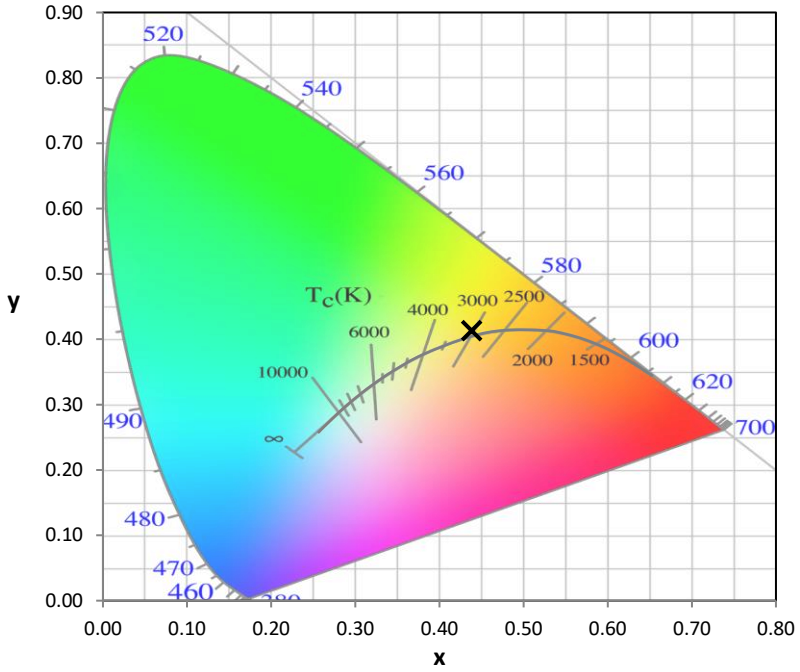
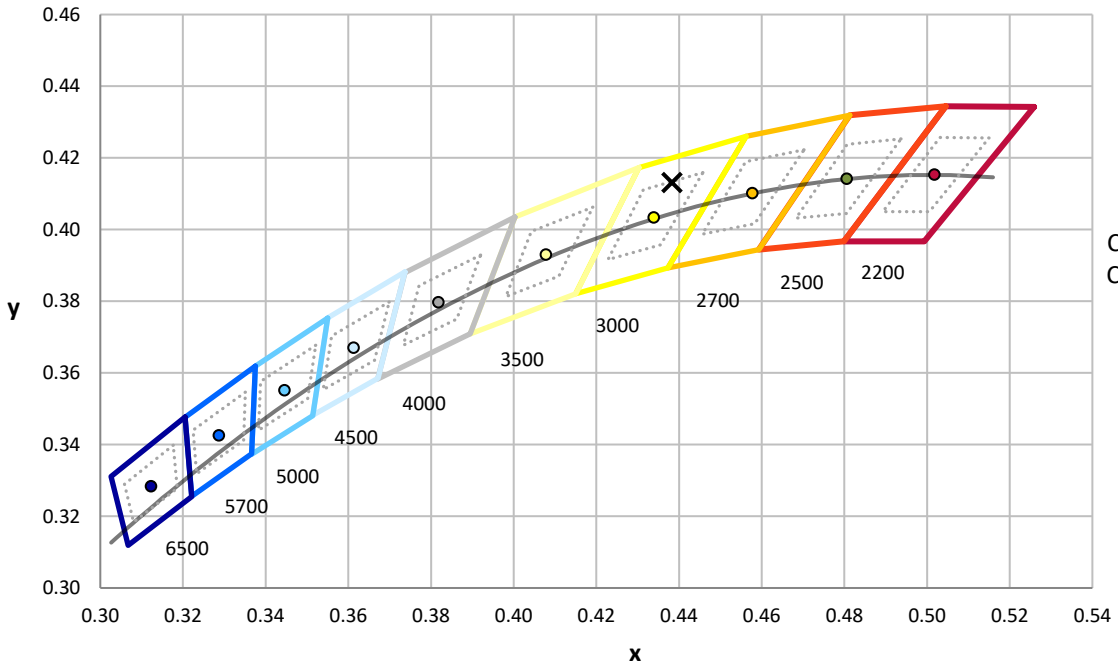
CIE 1931 Chromaticity Diagram



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

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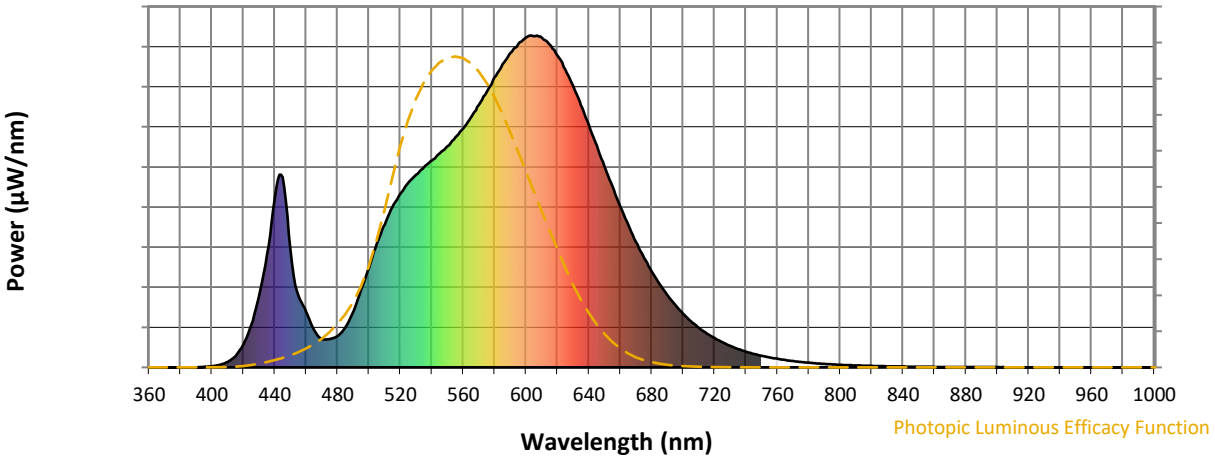
Photopic Flux vs. Wavelength



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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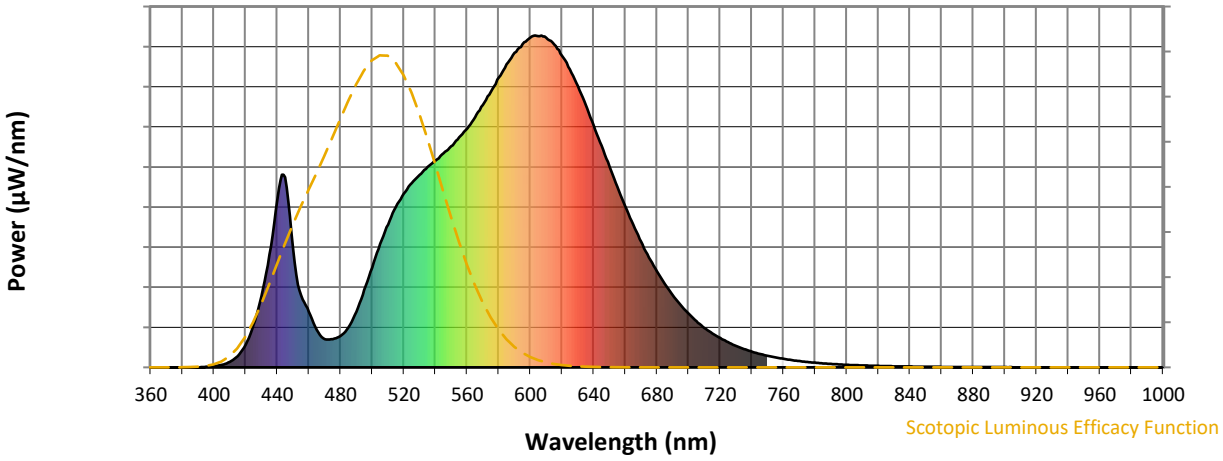
Scotopic Flux vs. Wavelength



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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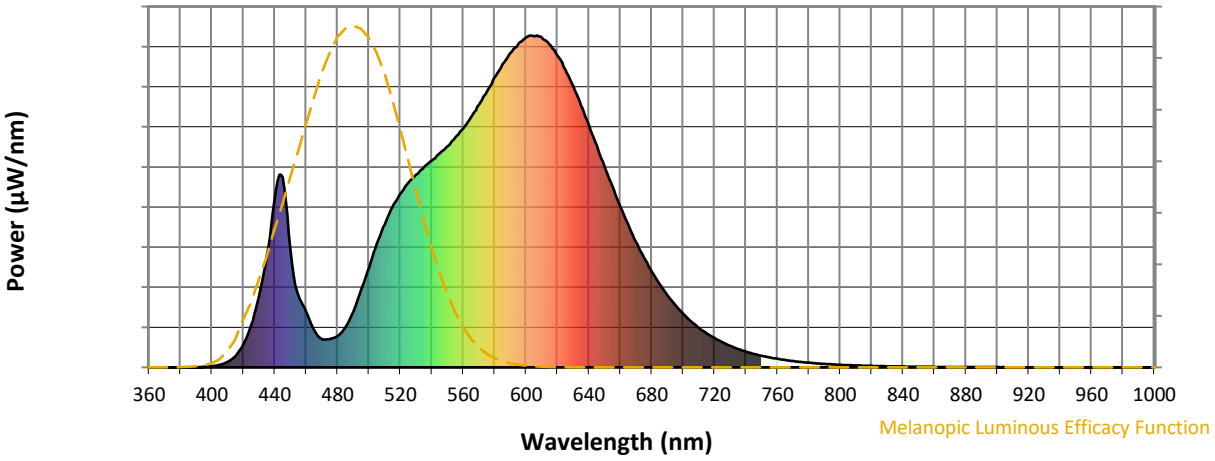
Melanopic Flux vs. Wavelength



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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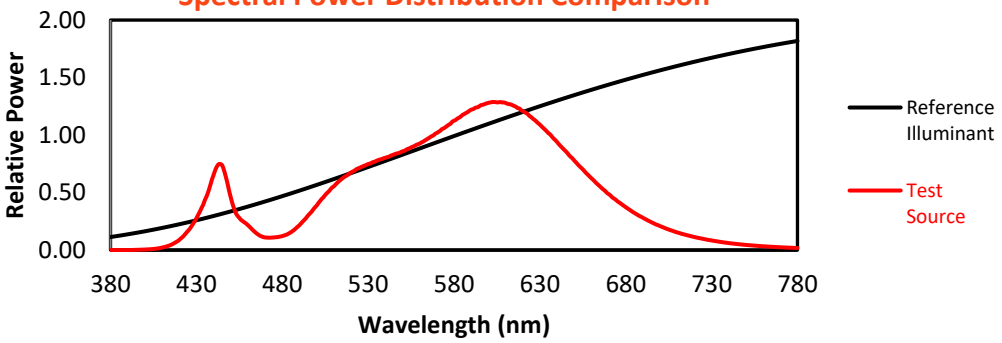
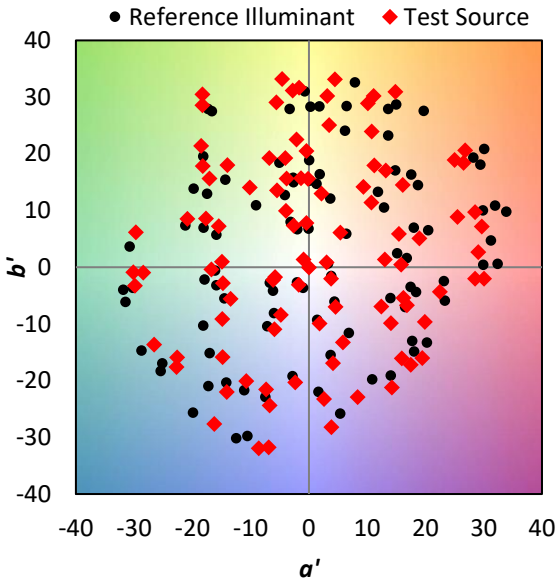
Summary

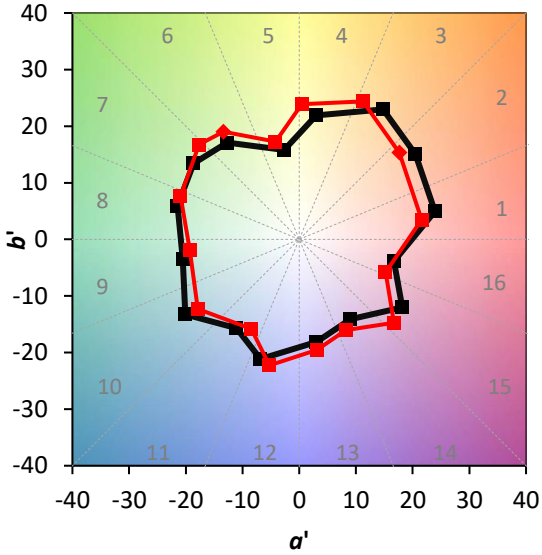
R_f = 81.5
R_g = 99.2
CIE R_a = 81.0
R_9 = 7.1

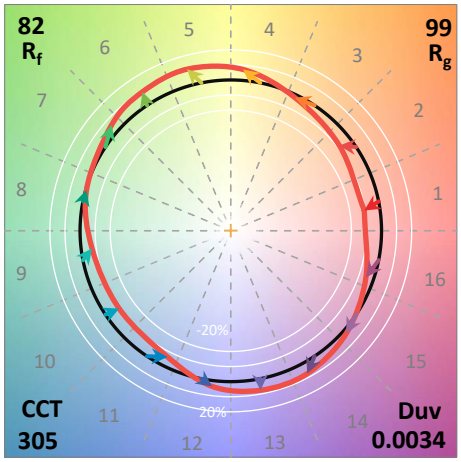
Spectral Power Distribution Comparison

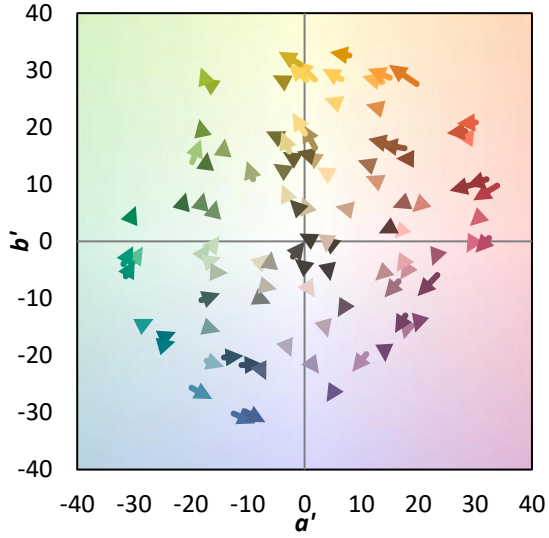


Color Vector Graphics









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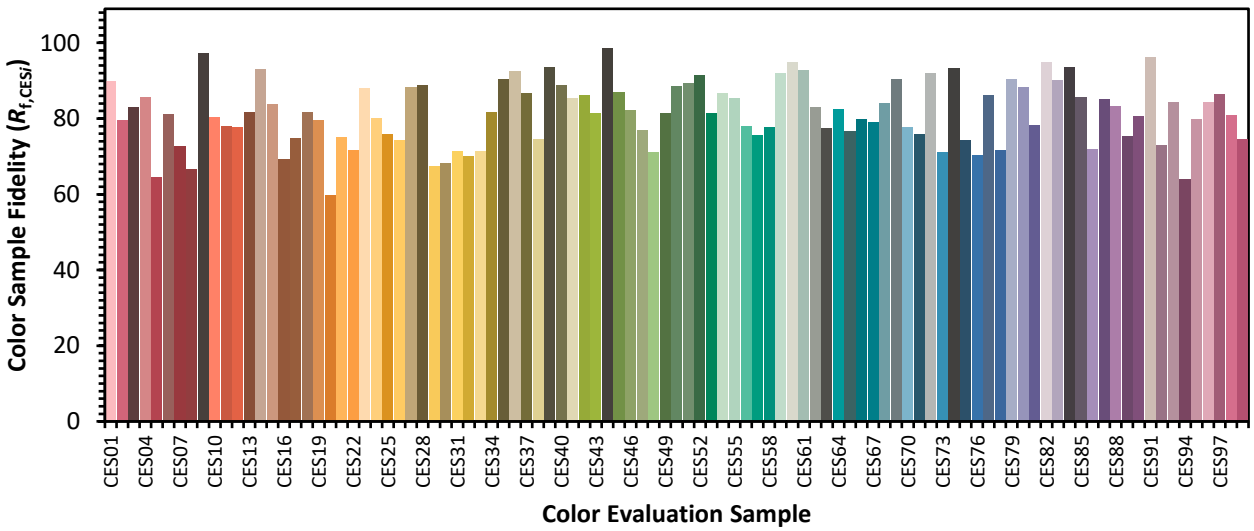
Individual Sample Fidelity Index ($R_{f,i}$)

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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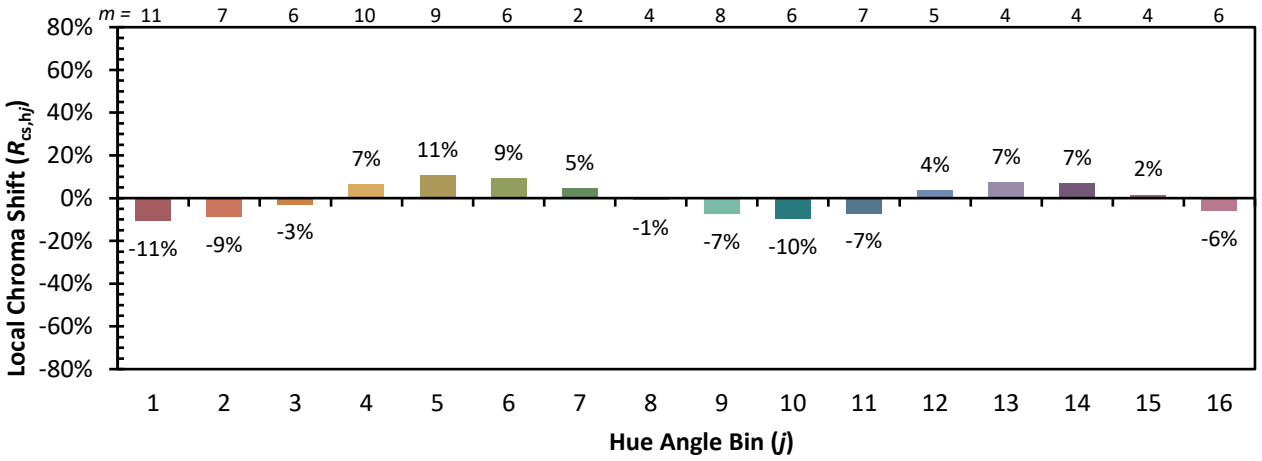
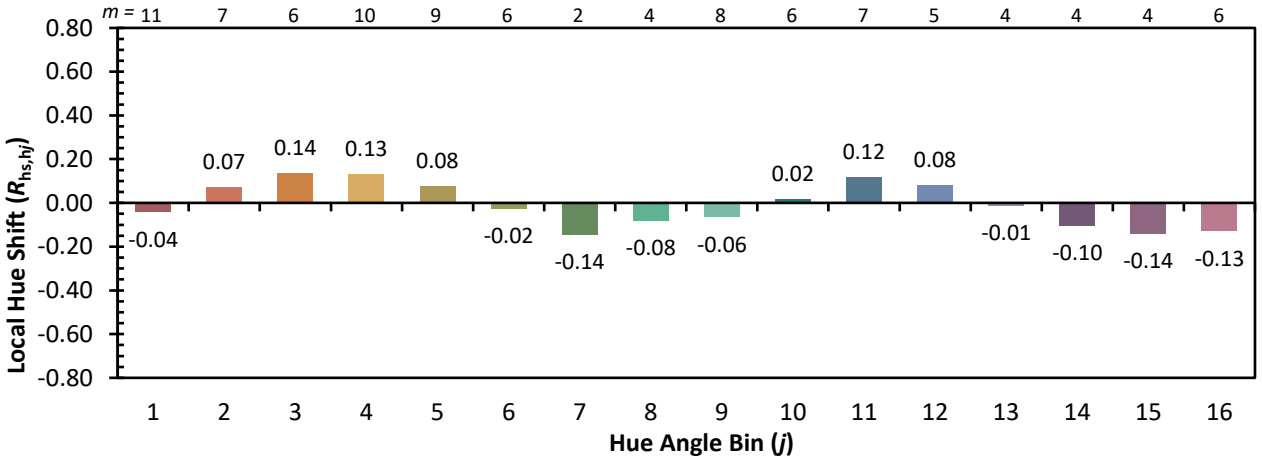
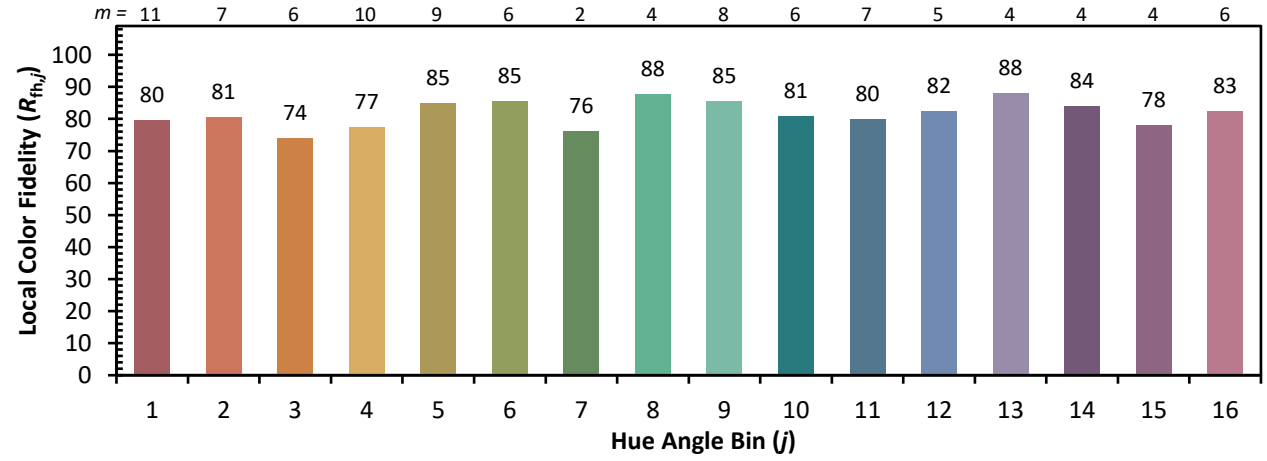
Color Rendition by Hue-Angle Bin







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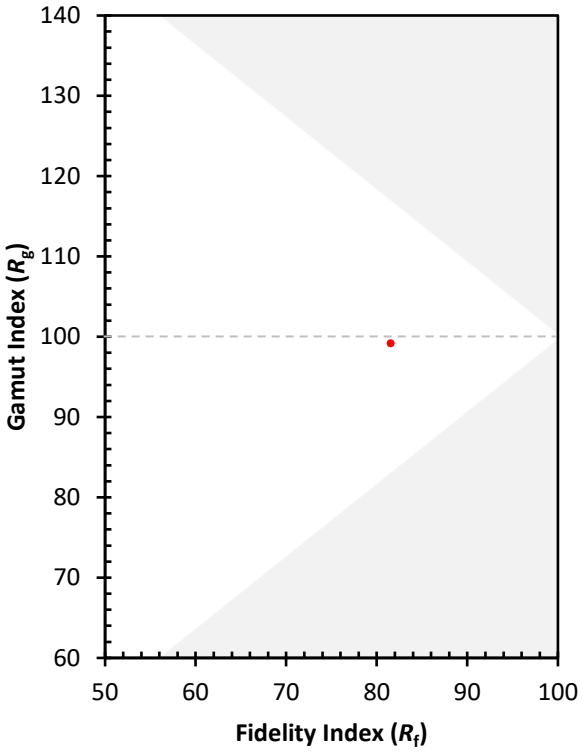
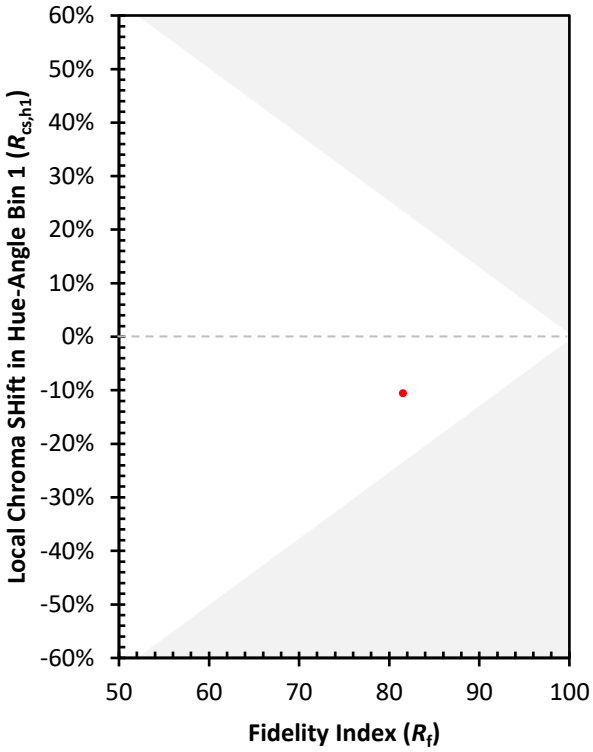
Measure Comparisons





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