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: P323350

Luminaire Tested: **GLEON-SA6A-830-U-SL2-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:	P323350
	TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-21)
Test Lab:	INNOVATION CENTER
Issue Date:	3/3/2020
Manufacturer:	COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line:	McGRAW-EDISON
Catalog Number:	GLEON-SA6A-830-U-SL2-HSS
Description:	GALLEON AREA AND ROADWAY LUMINAIRE
	(6) 80 CRI, 3000K, 615mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II SPILL LIGHT ELIMINATOR OPTICS WITH HOUSE SIDE SHIELD
Light Source:	-
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	18346 lumens
Efficiency:	N/A
Efficacy:	95.1 lumens/watt
Luminous Opening:	Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification:	Type III - Medium
BUG Rating:	B2 - U0 - G3

Input Watts (W):	193
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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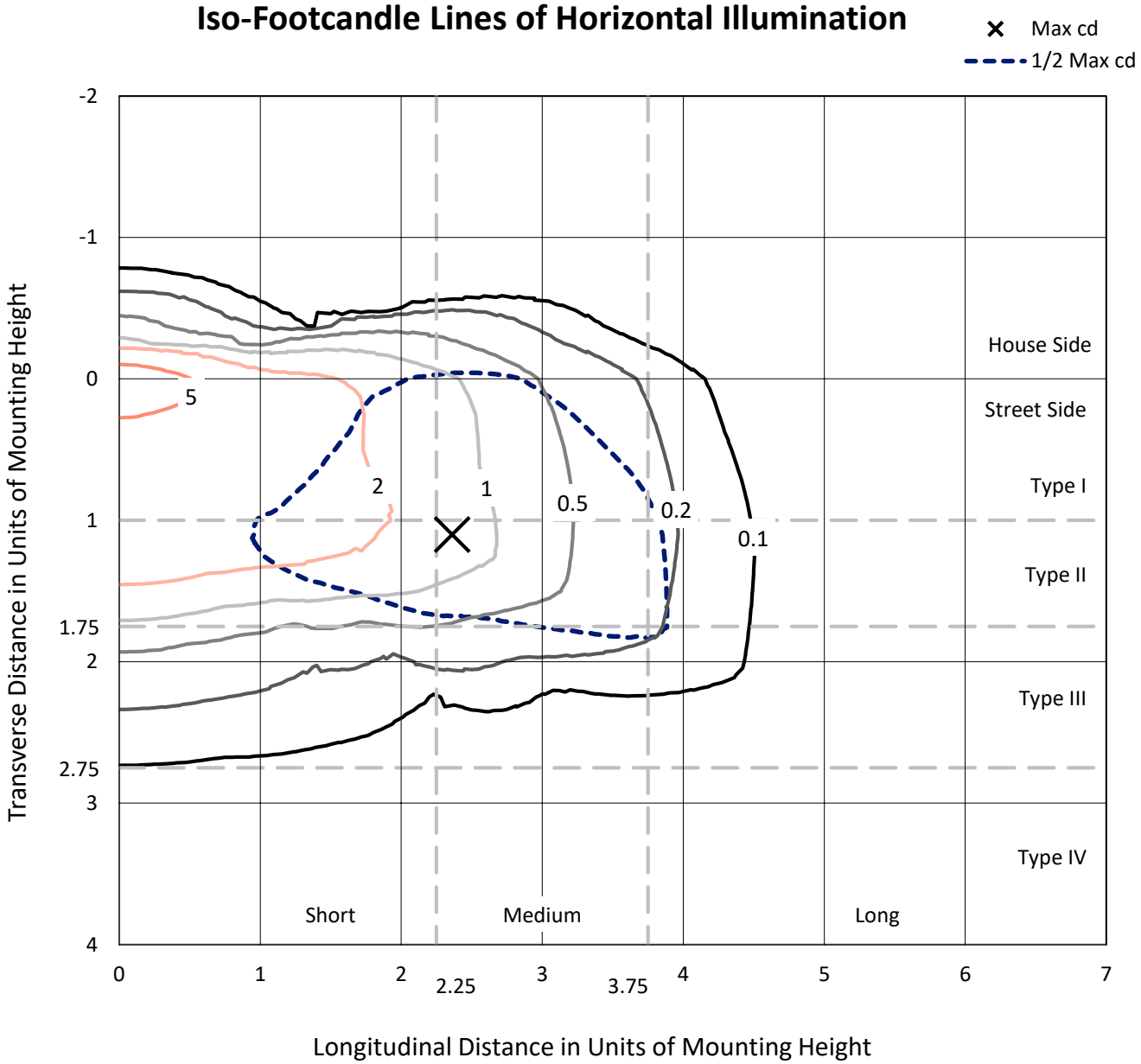
Scaled Data Report

REPORT NUMBER: P323350
CATALOG NUMBER: GLEON-SA6A-830-U-SL2-HSS

Iso-Footcandle Lines of Horizontal Illumination



Based on 25 foot mounting height. Maximum calculated value = 7.4 fc
Type III - Medium - N/A

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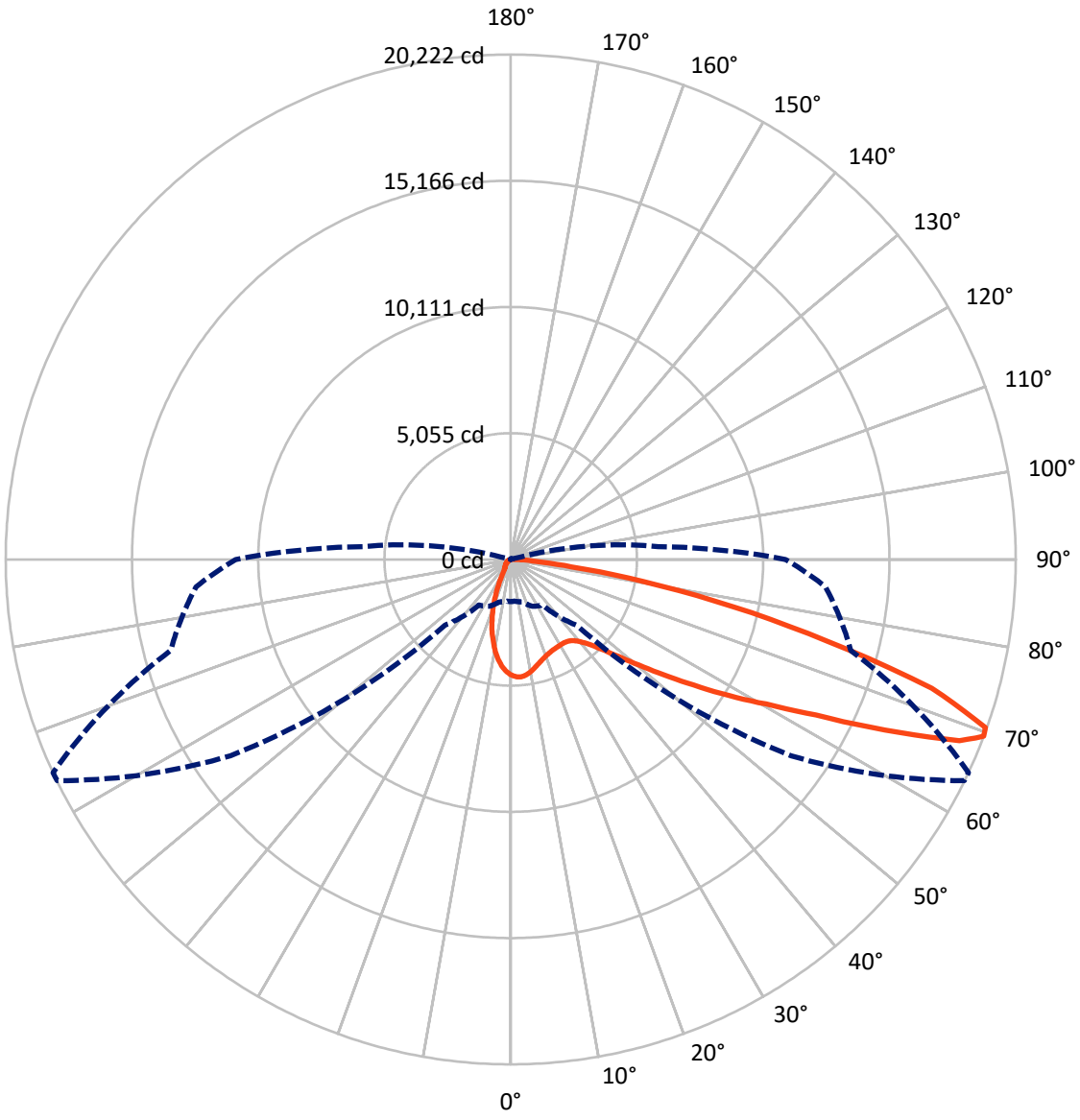
Luminous Intensity Polar Plot



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REPORT NUMBER: P323350
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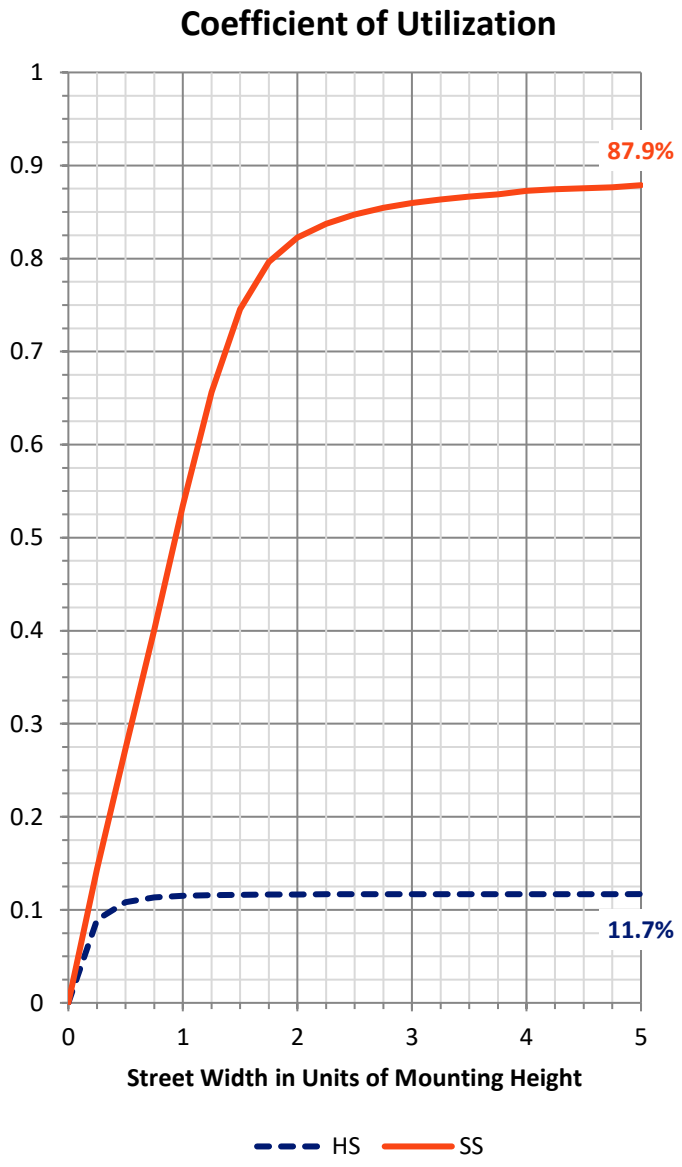
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2162.6	0.0	2162.6
	% Fixture	11.8	0.0	11.8
Street Side	Lumens	16183.4	0.0	16183.4
	% Fixture	88.2	0.0	88.2
Total	Lumens	18346.0	0.0	18346.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	387.7	2.1
10°-20°	848.6	4.6
20°-30°	1175.4	6.4
30°-40°	1638.9	8.9
40°-50°	2547.3	13.9
50°-60°	4089.4	22.3
60°-70°	4625.8	25.2
70°-80°	2716.8	14.8
80°-90°	316.0	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°	18346.0	100.0
0°-180°	18346.0	100.0



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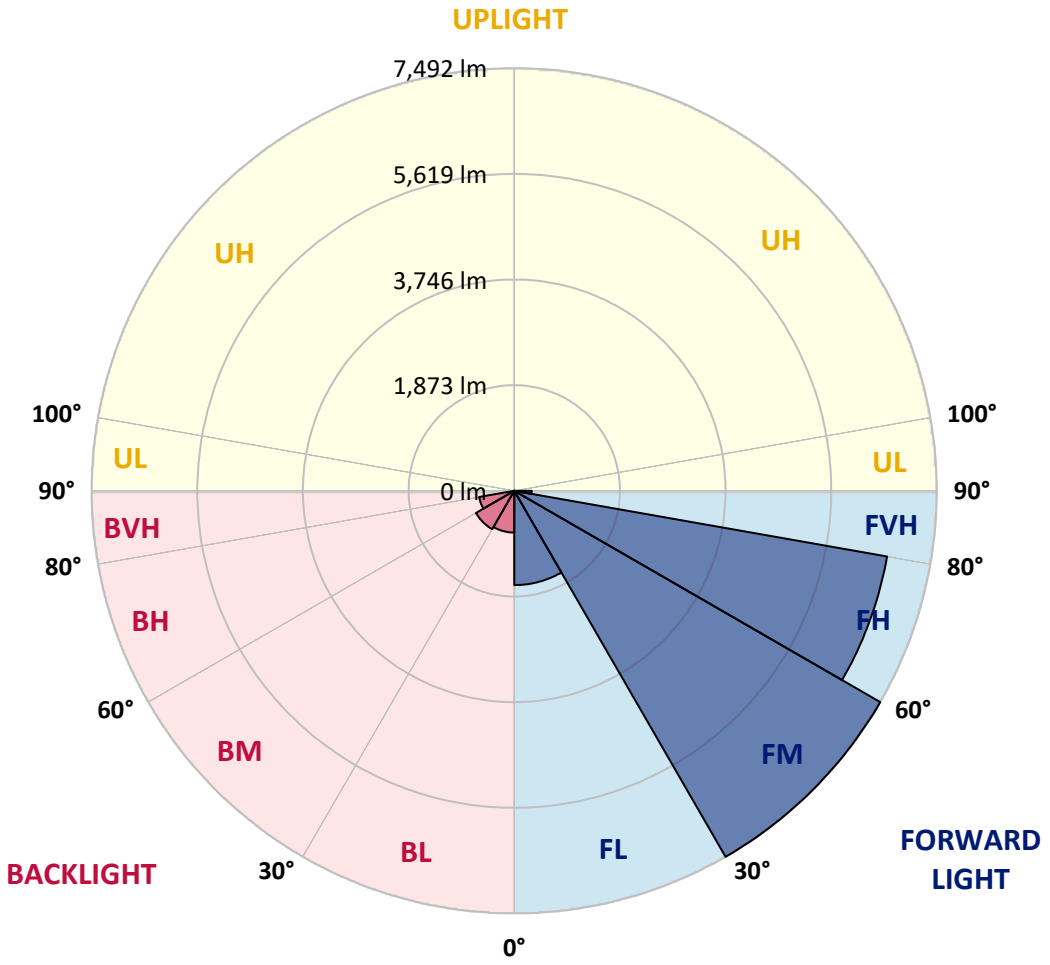
REPORT NUMBER: P323350
CATALOG NUMBER: GLEON-SA6A-830-U-SL2-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	1671.8	9.1			
FM	(30°-60°)	7492.0	40.8			
FH	(60°-80°)	6710.8	36.6			G3/7500
FVH	(80°-90°)	308.9	1.7			G3/500
BL	(0°-30°)	739.9	4.0	B2/1000		
BM	(30°-60°)	783.7	4.3	B1/1000		
BH	(60°-80°)	631.9	3.4	B2/1000		G2/1000
BVH	(80°-90°)	7.1	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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REPORT NUMBER: P323350
CATALOG NUMBER: GLEON-SA6A-830-U-SL2-HSS

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	64°	65°	75°	85°
0°	4636.1	4636.1	4636.1	4636.1	4636.1	4636.1	4636.1	4636.1	*4636.1*	4636.1	4636.1
2.5°	4677.2	4665.6	4674.9	4695.1	4705.2	4705.2	4712.9	4703.6	*4706.7*	4684.2	4651.6
5°	4384.5	4366.7	4392.3	4449.0	4518.8	4578.6	4667.1	4713.7	*4718.4*	4719.1	4681.1
7.5°	4069.4	4053.1	4091.1	4157.9	4247.9	4358.9	4513.4	4648.5	*4656.3*	4729.2	4701.3
10°	3813.2	3801.5	3845.8	3917.2	4022.8	4147.0	4336.4	4524.3	*4546.8*	4708.3	4698.2
12.5°	3609.8	3600.5	3642.4	3724.7	3832.6	3970.0	4168.0	4386.1	*4416.4*	4660.9	4682.6
15°	3461.5	3460.0	3494.9	3574.1	3693.6	3821.7	4024.3	4258.0	*4292.9*	4609.7	4680.3
17.5°	3383.9	3386.2	3411.8	3479.4	3581.9	3709.2	3903.2	4150.1	*4188.1*	4563.9	4692.0
20°	3376.1	3378.5	3392.4	3430.5	3513.5	3626.1	3804.6	4059.3	*4098.9*	4529.7	4710.6
22.5°	3444.4	3442.9	3446.8	3442.9	3489.5	3574.9	3739.4	3989.4	*4035.2*	4507.2	4725.3
25°	3575.6	3573.3	3571.8	3543.0	3512.0	3557.8	3712.3	3949.8	*3993.3*	4490.9	4733.9
27.5°	3758.1	3756.5	3754.2	3706.8	3613.7	3585.0	3715.4	3935.1	*3971.6*	4477.7	4732.3
30°	3997.9	4008.8	4005.7	3939.7	3794.6	3668.0	3748.0	3927.3	*3959.1*	4452.1	4716.0
32.5°	4279.7	4301.5	4318.6	4247.9	4066.3	3832.6	3823.3	3935.8	*3959.1*	4432.7	4686.5
35°	4572.4	4600.4	4663.2	4638.4	4399.3	4080.2	3952.9	3987.1	*4006.5*	4443.5	4672.6
37.5°	4860.4	4893.8	5030.4	5102.6	4835.6	4407.8	4154.8	4113.6	*4123.7*	4509.5	4688.1
40°	5195.0	5245.5	5452.7	5569.2	5356.5	4846.4	4456.7	4331.0	*4334.9*	4654.7	4760.3
42.5°	5634.4	5686.4	5910.8	6093.2	5943.4	5400.7	4866.6	4663.2	*4659.4*	4926.4	4930.3
45°	6170.0	6224.4	6456.5	6659.1	6591.6	6057.5	5391.4	5148.4	*5143.8*	5354.9	5252.4
47.5°	6777.1	6830.7	7037.9	7246.8	7319.7	6824.5	6059.8	5810.6	*5799.7*	5950.3	5750.1
50°	7298.0	7332.9	7523.9	7804.9	8134.1	7766.9	6891.2	6651.3	*6639.7*	6741.4	6480.6
52.5°	7487.4	7507.6	7701.7	8095.3	8916.6	9043.1	7983.5	7674.5	*7666.0*	7710.2	7453.3
55°	7103.9	7140.4	7378.7	7962.5	9340.4	10485.5	9362.2	8941.4	*8877.0*	8781.5	8470.2
57.5°	6059.0	6117.2	6373.4	7149.7	9142.5	11629.8	11388.3	10374.5	*10279.8*	9696.0	9297.0
60°	4539.8	4611.2	4823.9	5661.6	8085.9	12037.3	13602.3	11971.3	*11757.8*	10424.2	10057.0
62.5°	3115.3	3151.0	3295.4	3841.1	5955.0	11369.7	15454.6	14110.0	*13720.3*	11216.0	10879.1
65°	2379.4	2391.8	2450.8	2638.6	3546.1	9235.6	16191.3	16931.9	*16460.7*	12163.1	11732.2
67.5°	1917.5	1907.4	1988.9	2257.5	2374.7	5634.4	15331.9	19601.6	*19381.1*	13429.2	12590.8
69°	*1690.8*	*1676.8*	*1759.9*	*2071.9*	*2230.3*	*3724.7*	*13706.4*	*20207.9*	*20221.9*	*14097.6*	*12649.8*
70°	1521.5	1530.9	1613.2	1961.7	2181.4	2923.5	12153.8	20053.4	*20163.6*	14347.6	12295.8
72.5°	1016.2	1041.0	1206.4	1628.7	2097.6	2212.5	7338.4	17208.3	*17632.1*	13784.8	10549.1
75°	572.9	591.5	787.9	1228.1	1976.5	2106.9	3876.1	12677.8	*13087.6*	11527.3	8134.9
77.5°	281.0	291.1	445.6	792.6	1652.7	2007.5	2198.5	8611.5	*9079.6*	7523.9	4601.1
80°	118.8	124.2	222.8	489.1	1181.5	1915.9	1632.6	5299.8	*5358.0*	2947.6	1225.8
82.5°	45.8	47.4	93.9	305.1	750.7	1493.6	1365.5	2512.9	*2452.3*	555.1	279.5
85°	5.4	6.2	34.2	183.2	417.6	768.5	1109.3	1082.9	*1002.2*	110.2	143.6
87.5°	0.0	0.0	2.3	55.9	124.2	360.2	576.8	449.5	*405.2*	35.7	74.5
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: P323350
CATALOG NUMBER: GLEON-SA6A-830-U-SL2-HSS

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	4636.1	4636.1	4636.1	4636.1	4636.1	4636.1	4636.1	4636.1	4636.1	4636.1	4636.1
2.5°	4624.4	4616.7	4574.7	4514.2	4456.7	4385.3	4317.0	4275.9	4243.3	4221.5	4247.1
5°	4636.8	4602.7	4475.4	4312.3	4152.4	3972.3	3804.6	3662.6	3606.7	3544.6	3572.5
7.5°	4633.0	4568.5	4339.5	4049.2	3755.7	3452.2	3165.0	2943.7	2828.8	2716.3	2745.0
10°	4613.6	4504.9	4157.9	3727.8	3288.4	2852.1	2444.6	2134.8	1961.7	1804.9	1827.4
12.5°	4570.9	4419.5	3943.6	3359.8	2772.2	2196.9	1719.5	1322.8	1110.1	1016.2	1027.8
15°	4545.2	4336.4	3716.9	2987.2	2221.0	1530.1	1051.1	781.7	684.7	653.6	657.5
17.5°	4532.8	4256.5	3482.5	2561.0	1657.4	974.3	679.3	599.3	578.3	572.9	574.5
20°	4520.4	4175.7	3241.1	2139.5	1141.9	655.2	558.2	534.9	527.1	520.1	521.7
22.5°	4499.4	4098.1	2981.8	1712.5	770.1	531.8	503.0	480.5	464.2	455.7	457.2
25°	4473.8	4016.6	2717.1	1275.5	562.0	474.3	447.1	415.3	395.9	380.4	381.2
27.5°	4432.7	3916.4	2443.8	928.5	472.0	424.6	388.2	353.2	320.6	302.8	302.8
30°	4375.2	3803.1	2140.3	664.5	423.1	375.7	331.5	288.0	253.1	236.8	235.2
32.5°	4311.6	3685.1	1833.6	503.8	384.3	329.9	279.5	233.7	202.6	189.4	188.6
35°	4257.2	3557.8	1527.8	422.3	345.5	285.7	230.6	191.7	166.9	156.0	155.3
37.5°	4222.3	3430.5	1229.7	377.3	310.5	244.5	193.3	158.4	140.5	132.0	131.2
40°	4216.9	3335.8	957.2	343.1	277.9	208.0	161.5	134.3	118.0	108.7	107.9
42.5°	4287.5	3281.4	734.4	314.4	244.5	176.2	137.4	114.9	97.8	88.5	87.7
45°	4473.0	3298.5	565.1	288.8	211.2	149.0	116.4	95.5	80.0	73.0	71.4
47.5°	4811.5	3416.5	449.5	263.2	179.3	126.5	99.4	79.2	66.0	59.0	58.2
50°	5413.9	3693.6	375.7	235.2	149.8	107.9	82.3	64.4	53.6	47.4	46.6
52.5°	6213.5	4187.4	335.4	208.0	124.2	91.6	67.5	51.2	41.9	37.3	36.5
55°	7095.4	4785.1	309.0	178.5	101.7	76.1	53.6	40.4	32.6	28.7	27.2
57.5°	7956.3	5302.9	284.1	149.8	84.6	62.1	42.7	31.8	25.6	21.7	21.0
60°	8747.4	5778.8	255.4	120.3	69.1	48.9	33.4	24.8	20.2	16.3	16.3
62.5°	9594.3	6146.7	215.8	93.9	56.7	37.3	27.2	22.5	16.3	14.0	13.2
65°	10491.7	6420.0	169.2	73.0	44.2	27.9	22.5	23.3	13.2	10.1	9.3
67.5°	11154.7	6365.7	125.0	57.4	34.2	21.7	21.7	24.8	11.6	7.8	7.0
69°	*11008.7*	*5923.9*	*104.8*	*49.7*	*29.5*	*18.6*	*20.2*	*24.8*	*10.9*	*7.0*	*6.2*
70°	10585.6	5434.9	92.4	44.2	26.4	17.1	19.4	24.1	10.1	7.0	6.2
72.5°	8815.7	4093.4	72.2	33.4	21.0	14.0	16.3	21.0	10.1	7.0	5.4
75°	6631.2	2620.0	55.1	24.1	15.5	10.9	12.4	15.5	10.1	6.2	5.4
77.5°	3608.2	944.8	39.6	16.3	10.9	8.5	8.5	11.6	9.3	4.7	3.1
80°	927.7	237.5	24.8	10.9	8.5	6.2	5.4	7.8	5.4	0.8	0.0
82.5°	229.0	53.6	13.2	7.8	6.2	2.3	2.3	3.9	2.3	0.0	0.0
85°	125.8	26.4	8.5	5.4	3.1	0.0	0.0	0.8	0.0	0.0	0.0
87.5°	64.4	7.8	2.3	1.6	0.8	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

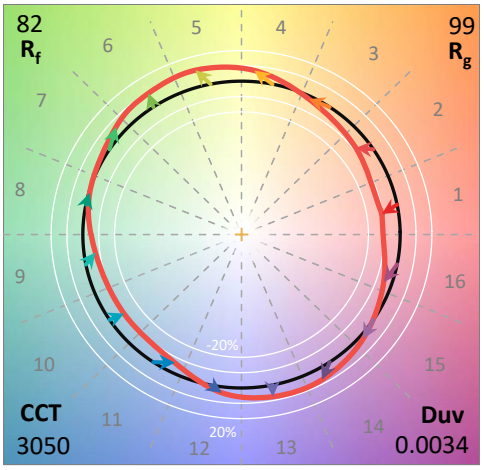
Test Information

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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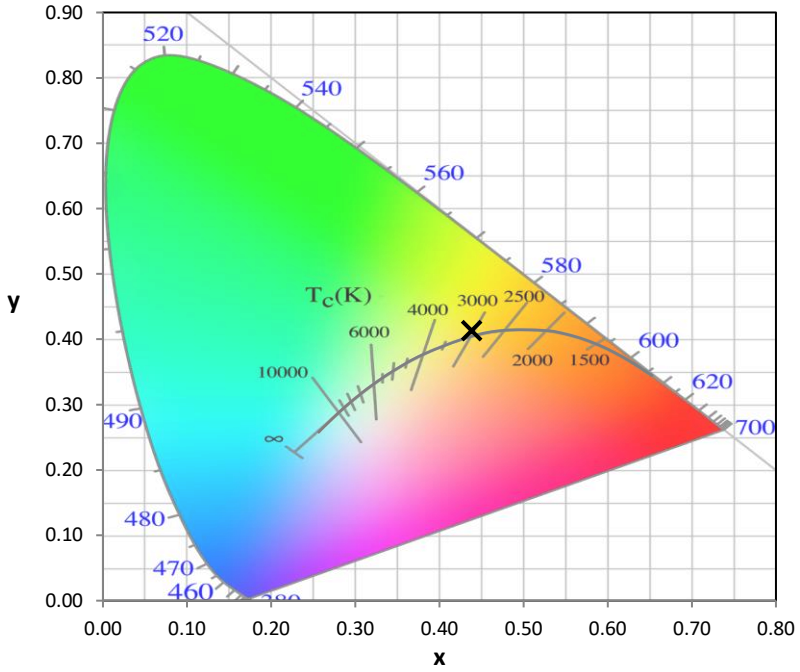
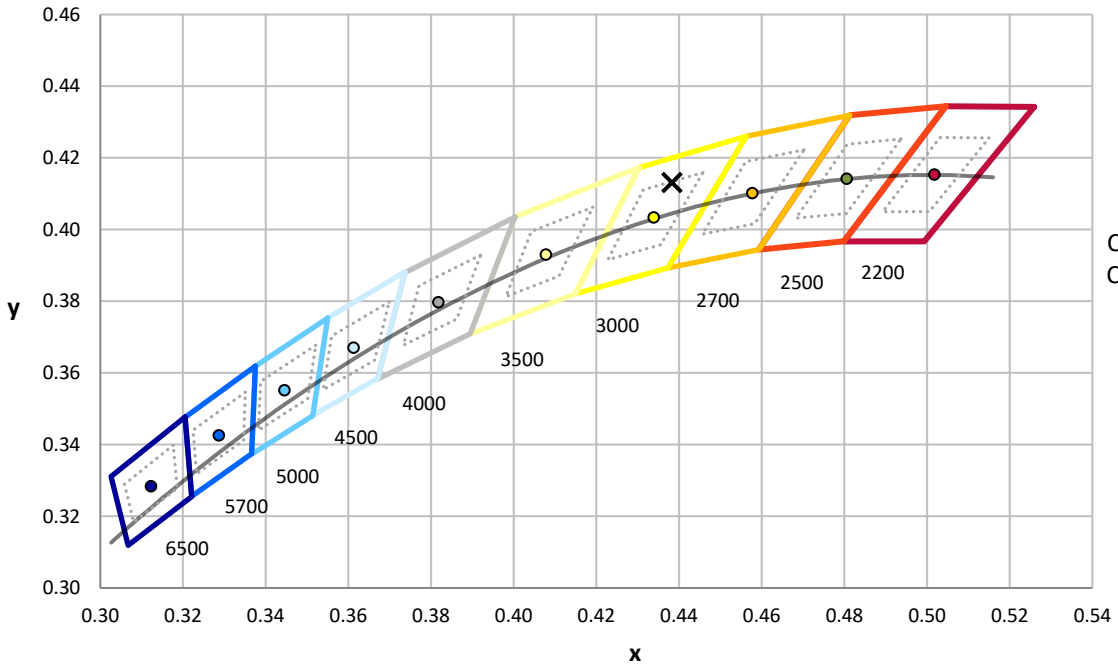
CIE 1931 Chromaticity Diagram



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

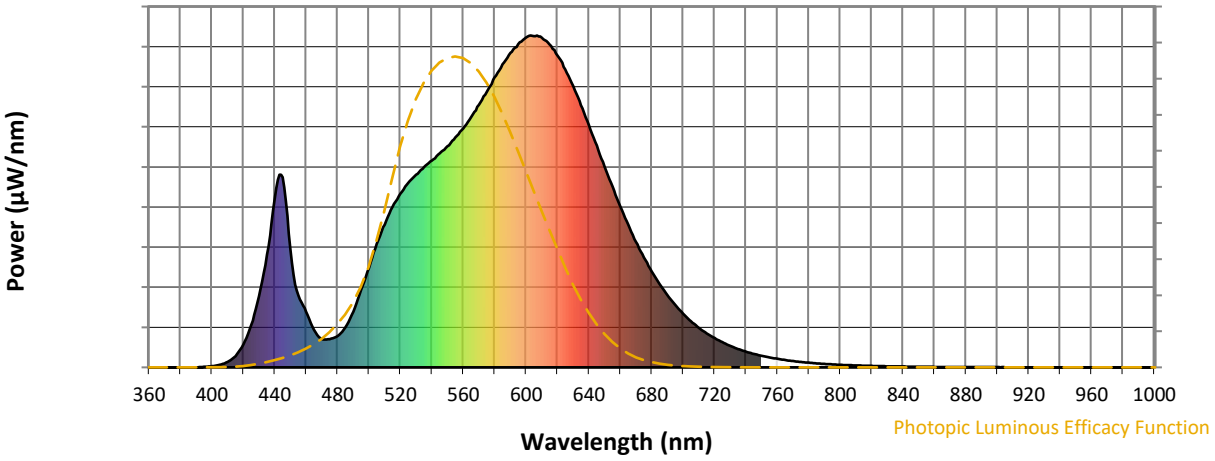


CCT = 3050K
CIE x = 0.4383
CIE y = 0.4131
Duv = 0.0034

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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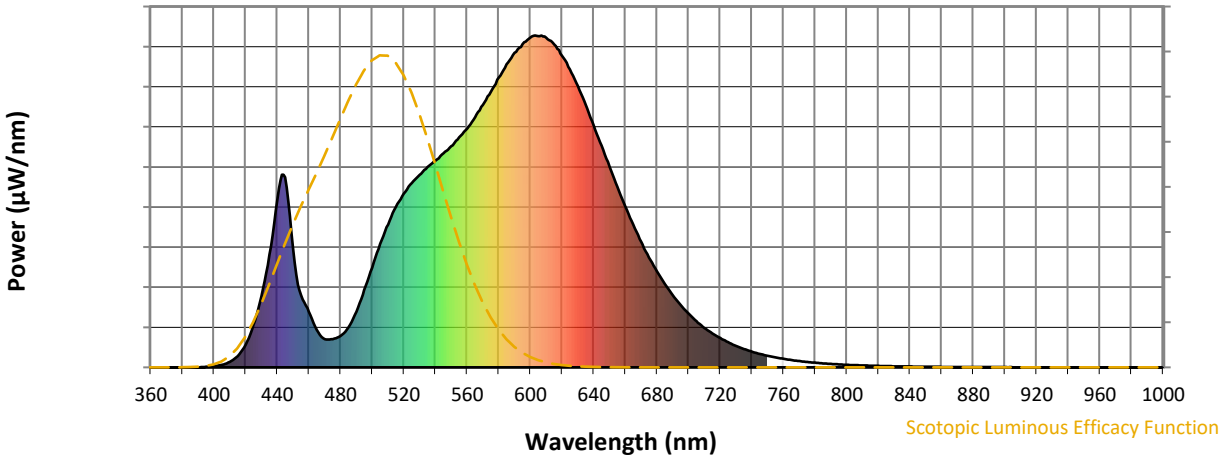
Scotopic Flux vs. Wavelength



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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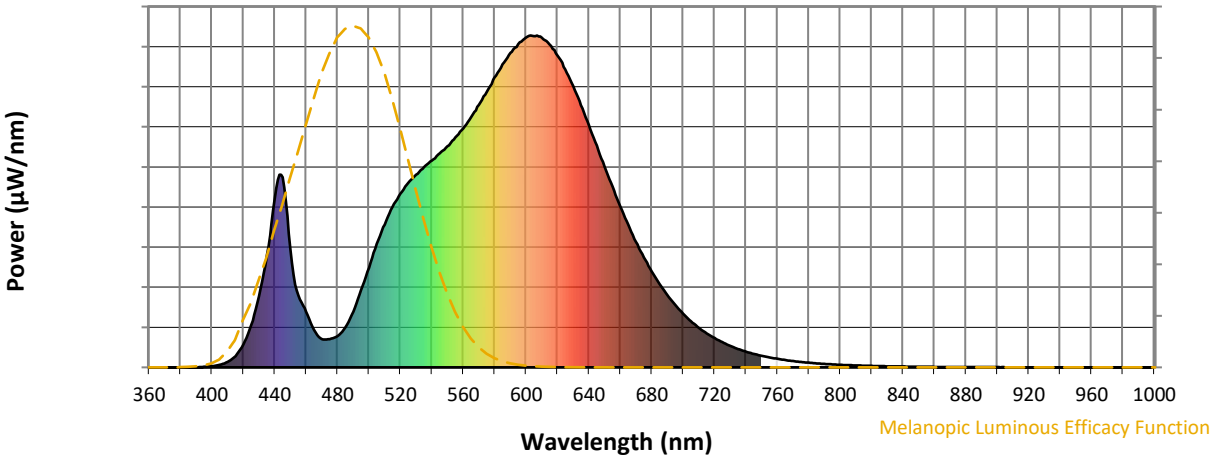
Melanopic Flux vs. Wavelength



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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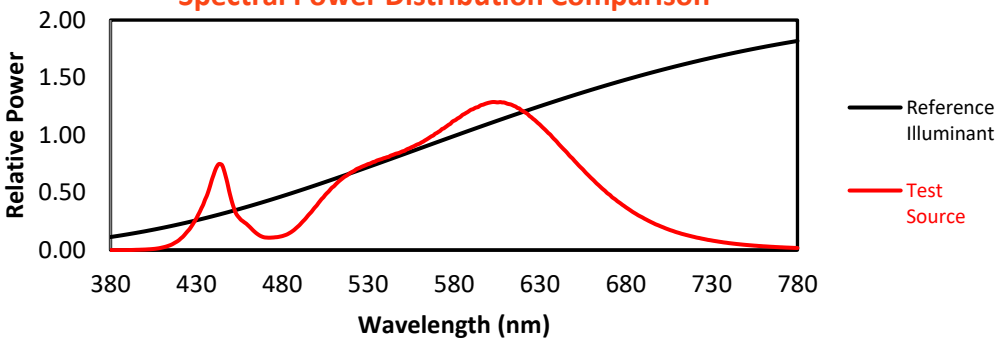
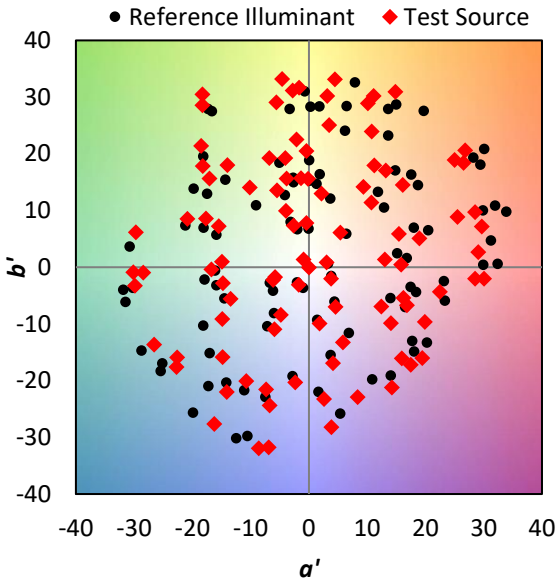
Summary

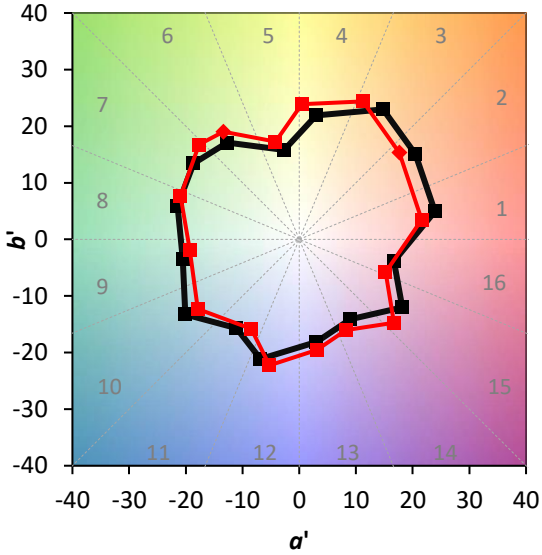
R_f = 81.5
R_g = 99.2
CIE R_a = 81.0
R_9 = 7.1

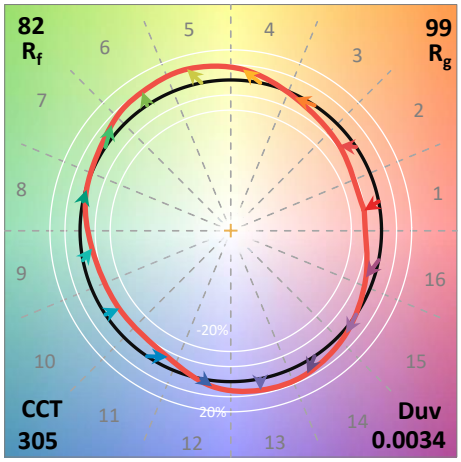
Spectral Power Distribution Comparison

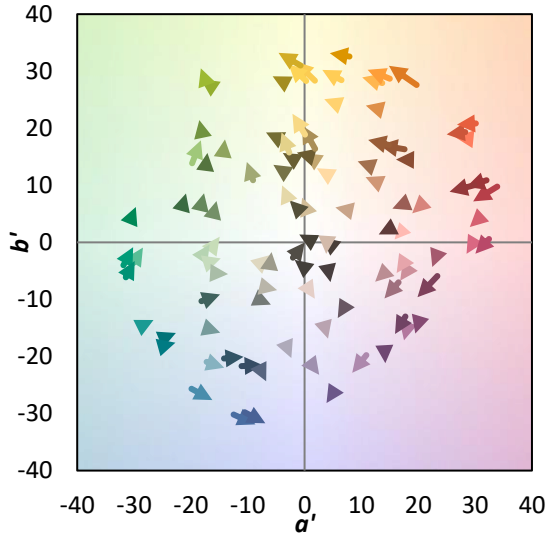


Color Vector Graphics









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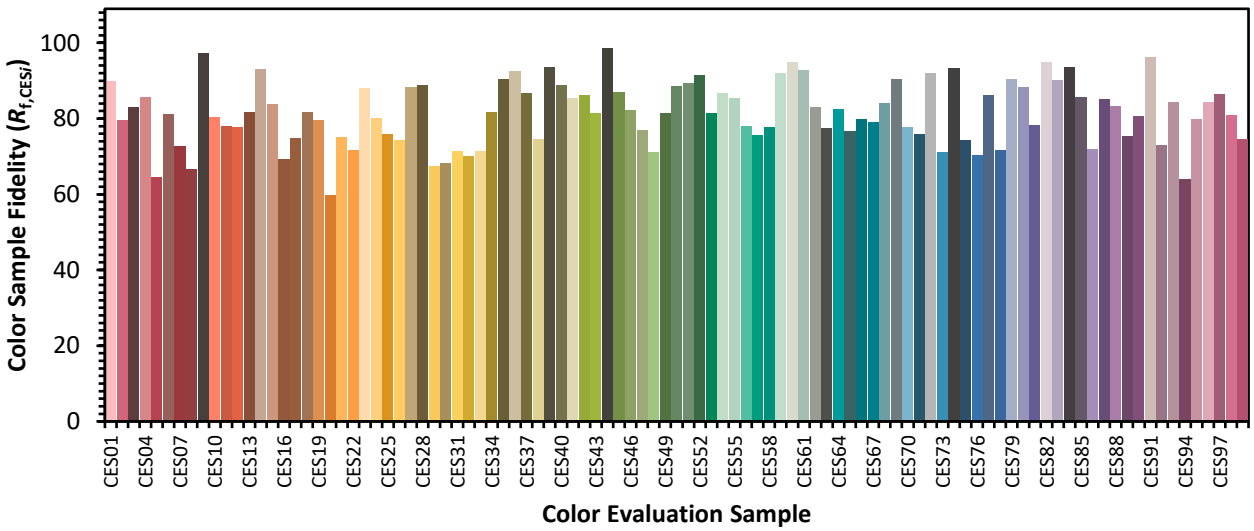
Individual Sample Fidelity Index ($R_{f,i}$)

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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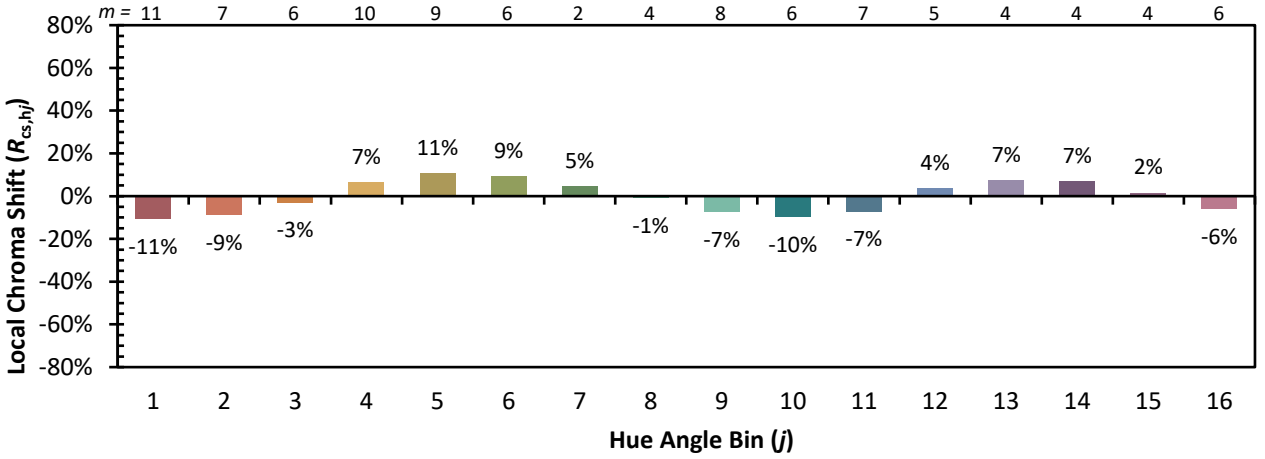
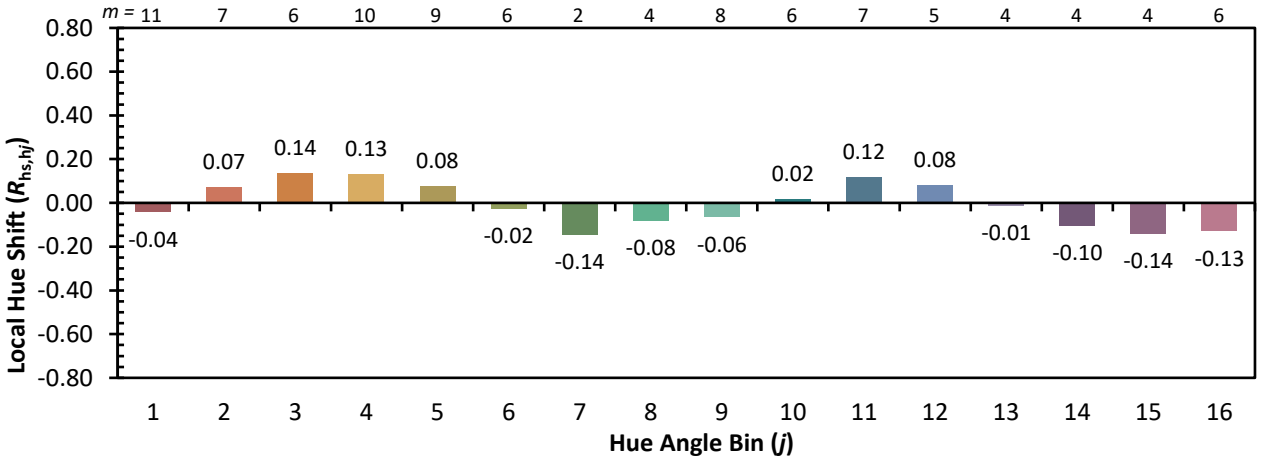
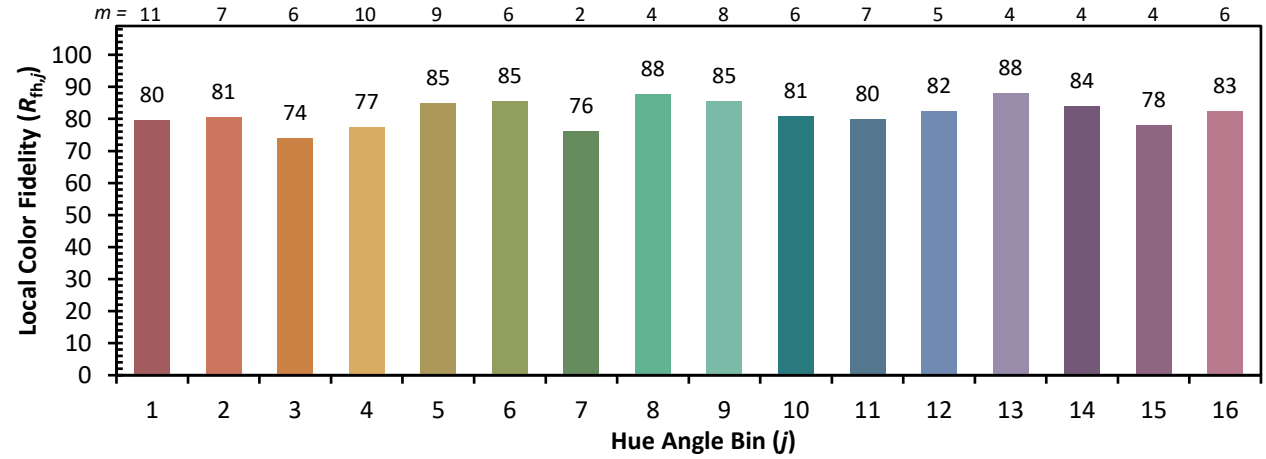
Color Rendition by Hue-Angle Bin







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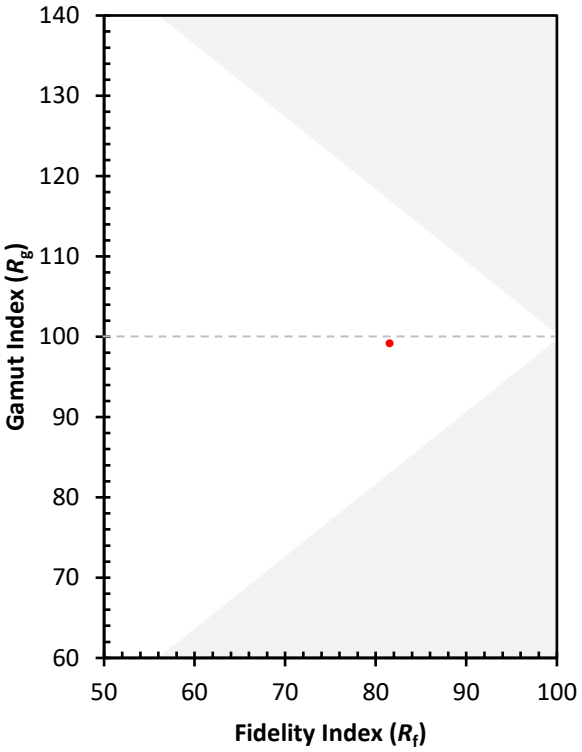
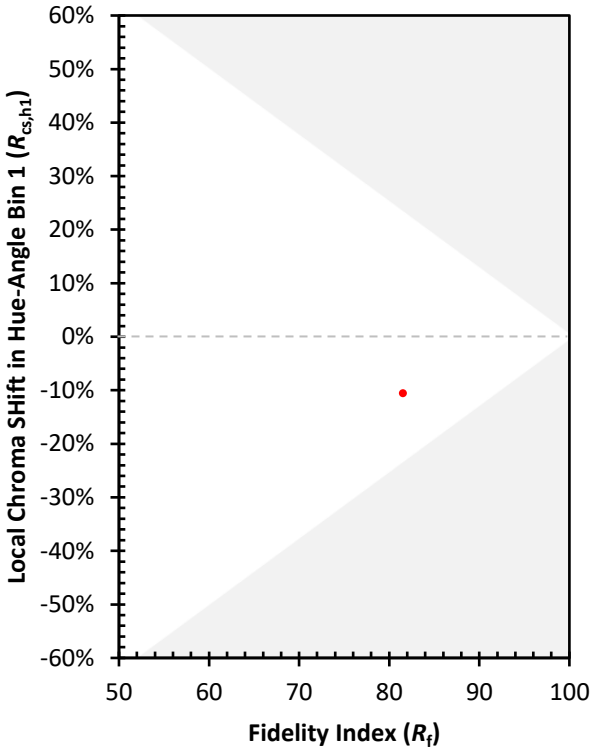
Measure Comparisons





(END OF REPORT)