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: P324009

Luminaire Tested: **GLEON-SA5C-830-U-SL4-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:	P324009
	TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-25)
Test Lab:	INNOVATION CENTER
Issue Date:	3/3/2020
Manufacturer:	COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line:	McGRAW-EDISON
Catalog Number:	GLEON-SA5C-830-U-SL4-HSS
Description:	GALLEON AREA AND ROADWAY LUMINAIRE
	(5) 80 CRI, 3000K, 1050mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE IV
	SPILL LIGHT ELIMINATOR OPTICS WITH HOUSE SIDE SHIELD
Light Source:	-
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	22799 lumens
Efficiency:	N/A
Efficacy:	81.7 lumens/watt
Luminous Opening:	Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification:	Type IV - Short
BUG Rating:	B2 - U0 - G4

Input Watts (W):	279
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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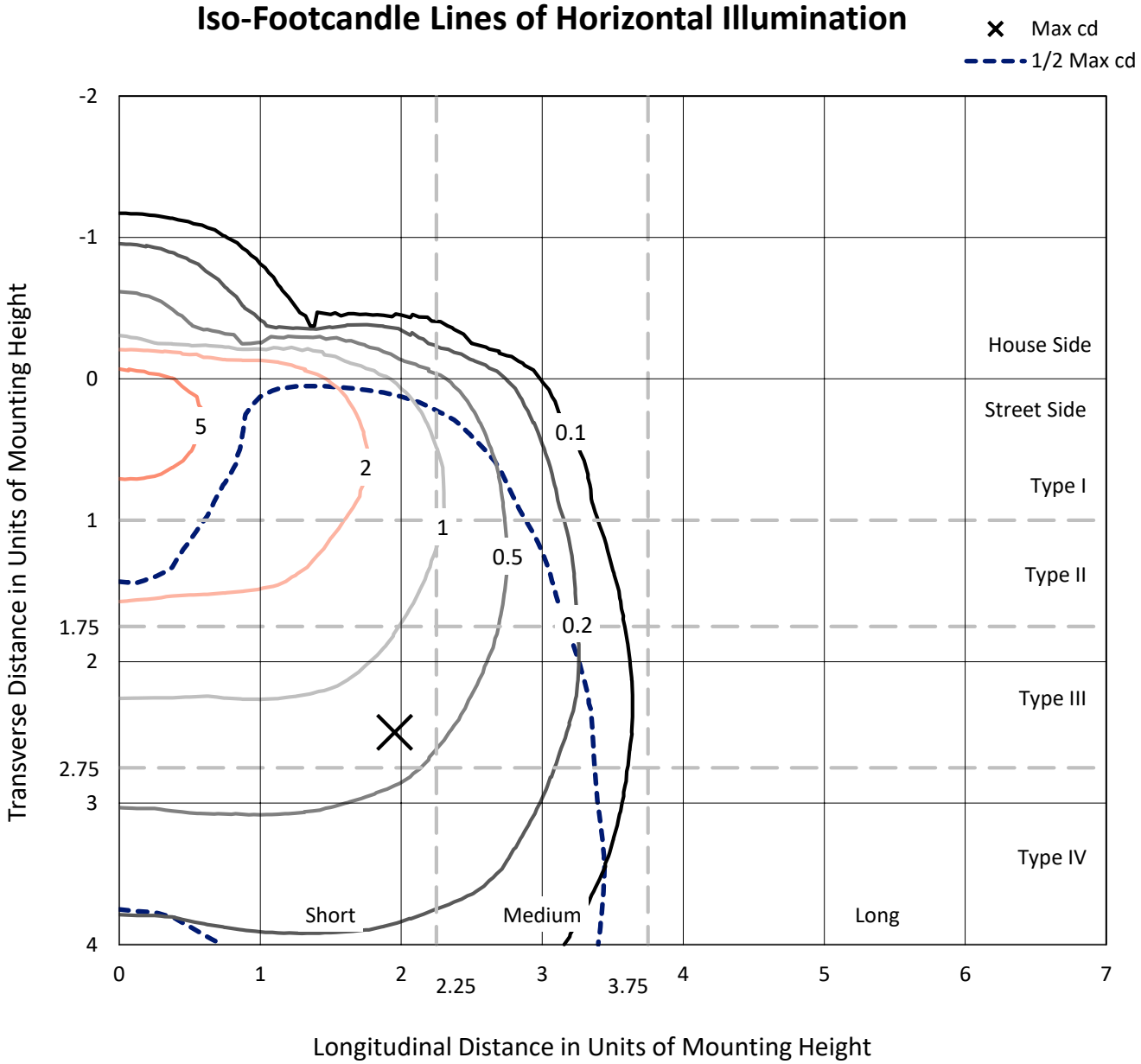
Scaled Data Report

REPORT NUMBER: P324009
CATALOG NUMBER: GLEON-SA5C-830-U-SL4-HSS

Iso-Footcandle Lines of Horizontal Illumination



Based on 25 foot mounting height. Maximum calculated value = 7.1 fc
Type IV - Short - N/A

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REPORT NUMBER: P324009
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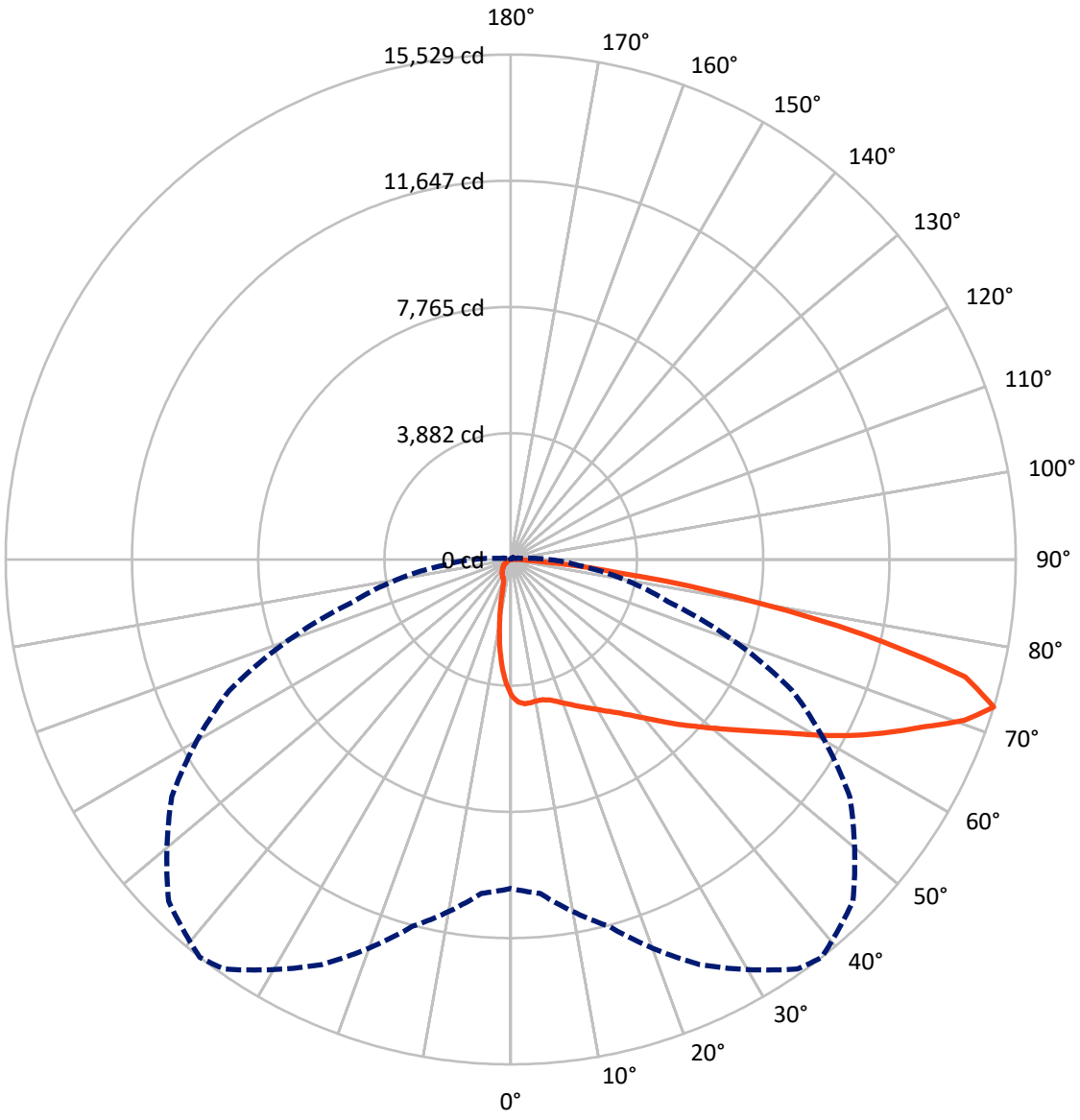
Luminous Intensity Polar Plot



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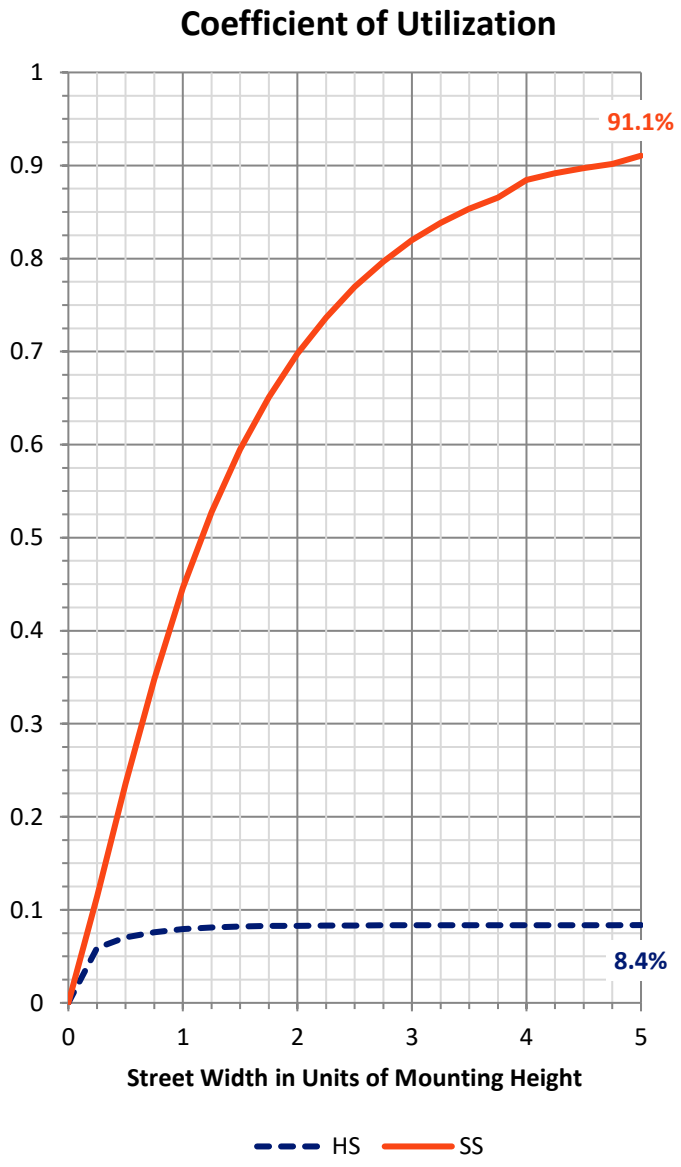
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1918.6	0.0	1918.6
	% Fixture	8.4	0.0	8.4
Street Side	Lumens	20880.4	0.0	20880.4
	% Fixture	91.6	0.0	91.6
Total	Lumens	22799.0	0.0	22799.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	357.3	1.6
10°-20°	873.7	3.8
20°-30°	1389.6	6.1
30°-40°	2089.0	9.2
40°-50°	3187.0	14.0
50°-60°	4504.3	19.8
60°-70°	5649.9	24.8
70°-80°	4224.5	18.5
80°-90°	523.8	2.3
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°	22799.0	100.0
0°-180°	22799.0	100.0



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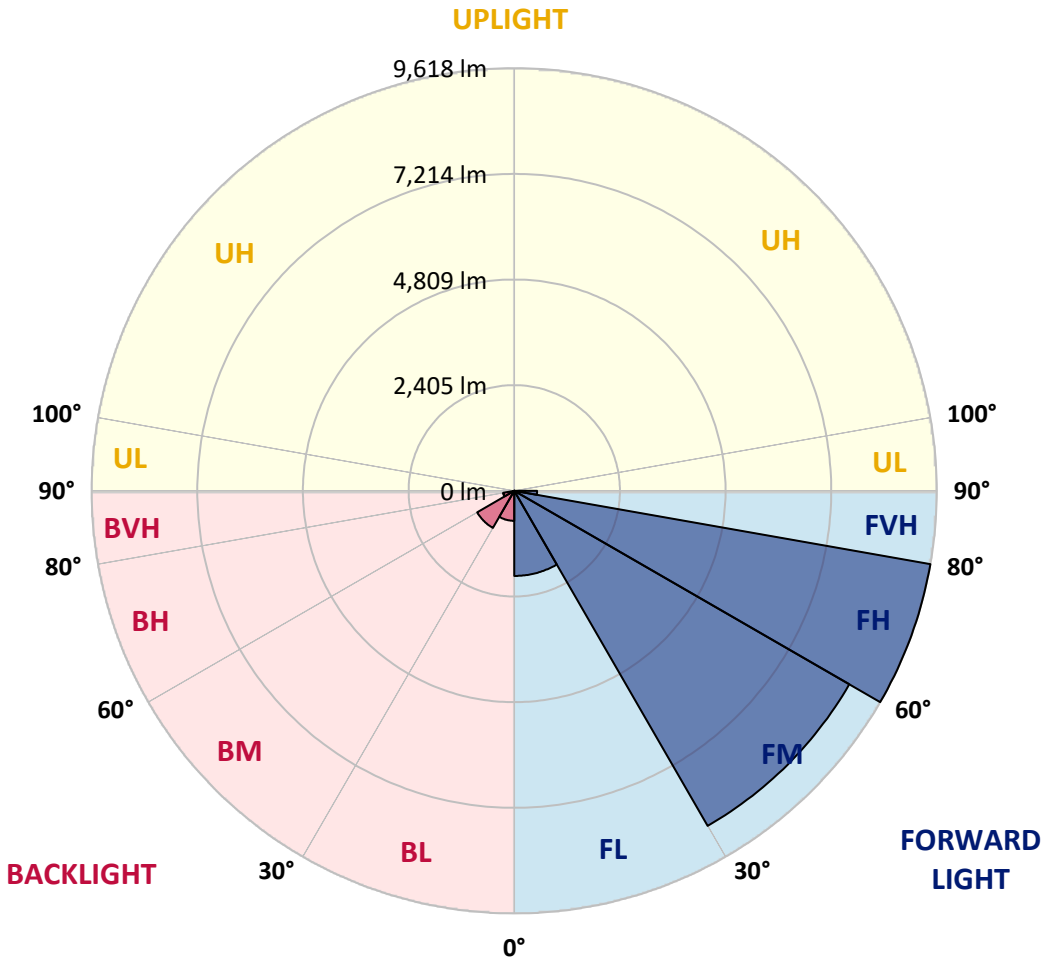
REPORT NUMBER: P324009
CATALOG NUMBER: GLEON-SA5C-830-U-SL4-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	1937.4	8.5			
FM	(30°-60°)	8806.0	38.6			
FH	(60°-80°)	9618.1	42.2			G4/12000
FVH	(80°-90°)	518.9	2.3			G4/750
BL	(0°-30°)	683.1	3.0	B2/1000		
BM	(30°-60°)	974.3	4.3	B1/1000		
BH	(60°-80°)	256.3	1.1	B1/500		G1/500
BVH	(80°-90°)	4.9	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 IV Short



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REPORT NUMBER: P324009
CATALOG NUMBER: GLEON-SA5C-830-U-SL4-HSS

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	38°	45°	55°	65°	75°	85°
0°	4192.7	4192.7	4192.7	4192.7	4192.7	*4192.7*	4192.7	4192.7	4192.7	4192.7	4192.7
2.5°	4450.2	4451.2	4440.7	4423.7	4401.9	*4390.6*	4371.6	4341.3	4309.1	4251.4	4188.9
5°	4541.1	4541.1	4527.8	4505.1	4470.1	*4459.7*	4423.7	4375.4	4309.1	4215.4	4110.3
7.5°	4531.6	4533.5	4515.5	4491.9	4456.8	*4447.4*	4403.8	4349.8	4267.5	4153.8	4019.4
10°	4482.4	4487.1	4472.9	4461.6	4429.4	*4419.0*	4378.2	4324.3	4241.9	4120.7	3966.4
12.5°	4432.2	4436.9	4441.7	4452.1	4432.2	*4428.4*	4396.2	4350.8	4272.2	4146.3	3972.0
15°	4400.0	4409.5	4443.6	4484.3	4489.0	*4485.2*	4464.4	4421.8	4342.3	4211.6	4012.8
17.5°	4400.0	4415.2	4486.2	4563.8	4591.3	*4594.1*	4576.1	4516.5	4421.8	4281.7	4050.6
20°	4436.9	4457.8	4568.6	4678.4	4723.8	*4723.8*	4688.8	4605.5	4494.7	4345.1	4076.2
22.5°	4531.6	4559.1	4698.3	4825.2	4873.4	*4863.0*	4815.7	4694.5	4570.5	4417.1	4108.4
25°	4718.2	4739.0	4883.9	5011.7	5041.0	*5017.4*	4957.7	4802.4	4667.0	4514.6	4167.1
27.5°	4958.7	4961.5	5111.1	5219.0	5201.1	*5185.0*	5110.2	4937.8	4806.2	4653.8	4268.4
30°	5222.8	5222.8	5354.4	5436.8	5381.9	*5368.7*	5293.8	5101.6	4984.2	4843.1	4412.3
32.5°	5478.5	5489.8	5596.8	5648.9	5587.4	*5574.1*	5501.2	5309.0	5220.9	5131.9	4636.7
35°	5725.6	5734.1	5835.4	5863.9	5805.2	*5808.9*	5756.9	5594.0	5560.9	5549.5	4974.8
37.5°	5965.2	5967.1	6070.3	6088.3	6058.9	*6091.1*	6095.8	5951.9	6013.5	6105.3	5451.0
40°	6183.9	6185.8	6288.0	6334.4	6384.6	*6426.3*	6463.2	6386.5	6590.1	6803.1	6018.2
42.5°	6359.1	6378.9	6508.7	6596.7	6729.3	*6808.8*	6909.2	6905.4	7276.6	7596.6	6703.7
45°	6513.4	6547.5	6728.3	6882.7	7109.9	*7236.8*	7394.0	7517.1	8049.2	8480.0	7397.8
47.5°	6717.0	6749.2	6955.6	7208.4	7511.4	*7678.0*	7938.4	8204.5	8898.5	9347.3	8075.7
50°	7003.9	6989.7	7193.2	7555.9	7945.0	*8163.8*	8534.9	8933.5	9741.2	10102.9	8474.3
52.5°	7309.7	7304.0	7454.6	7933.7	8456.3	*8712.0*	9202.5	9687.2	10547.0	10623.7	8657.1
55°	7688.4	7647.7	7774.6	8364.5	9063.3	*9337.9*	9915.4	10433.4	11189.0	10917.2	8748.9
57.5°	8085.2	8017.9	8139.1	8844.5	9747.8	*10072.6*	10705.1	11160.5	11616.0	11117.9	8748.0
60°	8495.2	8415.6	8559.5	9444.8	10598.1	*10974.0*	11561.1	11652.0	12014.6	11219.3	8683.6
62.5°	8837.9	8790.6	9004.6	10086.8	11547.8	*11917.1*	12207.8	12098.9	12350.7	11297.8	8533.0
65°	9200.6	9203.4	9549.0	10835.8	12557.2	*12806.2*	12830.8	12678.3	12632.0	11281.7	8023.6
67.5°	9691.0	9736.5	10313.1	11852.7	13539.0	*13731.2*	13729.4	13306.1	12837.4	10641.7	6894.0
70°	10209.9	10316.9	11193.7	13016.4	14610.9	*14805.9*	14705.6	13705.7	12087.5	8605.0	4879.1
72.5°	*10122.8*	*10308.4*	*11683.2*	*13750.2*	*15380.7*	*15529.3*	*14876.9*	*12723.8*	*9553.7*	*5001.3*	*2077.4*
75°	7809.6	8024.6	10712.7	13023.0	14573.0	*14439.5*	12782.5	9901.2	5220.9	1395.7	467.7
77.5°	4125.4	4240.0	7076.8	9921.1	11363.2	*11083.9*	9004.6	5492.7	1591.7	345.6	210.2
80°	2160.7	2187.2	3083.9	5629.0	7013.3	*7015.2*	5336.5	2412.6	656.2	177.1	141.1
82.5°	1157.1	1179.8	1629.5	2601.0	3674.7	*3331.0*	2043.3	1327.5	381.6	100.4	135.4
85°	278.4	283.1	924.1	1188.3	1444.9	*1032.1*	606.9	1114.4	103.2	58.7	109.8
87.5°	107.0	108.9	342.8	514.1	368.3	*238.6*	284.1	415.7	13.3	22.7	17.0
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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Scaled Data Report

REPORT NUMBER: P324009
CATALOG NUMBER: GLEON-SA5C-830-U-SL4-HSS

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	4192.7	4192.7	4192.7	4192.7	4192.7	4192.7	4192.7	4192.7	4192.7	4192.7	4192.7
2.5°	4151.0	4126.4	4065.8	3989.1	3920.9	3871.7	3797.8	3749.5	3717.3	3716.4	3704.1
5°	4045.9	3995.7	3865.1	3709.8	3568.7	3441.8	3292.2	3173.8	3085.8	3071.6	3041.3
7.5°	3933.2	3850.8	3650.1	3407.7	3171.0	2930.5	2651.2	2477.9	2329.3	2258.2	2250.7
10°	3864.1	3748.6	3463.6	3113.2	2742.1	2351.0	1985.5	1732.7	1550.0	1497.9	1459.1
12.5°	3849.9	3697.5	3319.7	2836.8	2306.5	1789.6	1385.2	1116.3	970.5	924.1	911.8
15°	3864.1	3673.8	3198.5	2563.1	1865.3	1269.7	929.8	773.6	718.7	705.4	704.5
17.5°	3872.6	3645.4	3061.2	2259.2	1437.3	907.1	712.0	666.6	658.1	657.1	659.0
20°	3871.7	3601.8	2897.4	1920.2	1069.0	713.0	643.9	634.4	632.5	633.4	632.5
22.5°	3865.1	3550.7	2717.5	1570.8	807.7	637.2	614.5	608.8	607.9	607.9	607.9
25°	3877.4	3510.0	2519.6	1236.6	665.6	602.2	588.0	583.3	582.3	582.3	580.4
27.5°	3921.9	3487.3	2302.7	951.6	601.3	571.0	559.6	558.6	555.8	554.9	556.7
30°	3993.8	3487.3	2065.1	740.4	562.4	538.8	530.2	528.3	527.4	526.4	527.4
32.5°	4120.7	3513.8	1805.6	615.5	525.5	502.8	497.1	499.9	497.1	497.1	497.1
35°	4349.8	3593.3	1533.9	536.9	486.7	467.7	462.1	465.9	464.0	464.0	463.0
37.5°	4684.1	3741.0	1260.3	489.5	452.6	432.7	425.1	430.8	428.9	428.9	428.0
40°	5091.2	3955.9	999.9	453.5	419.5	398.6	392.0	394.8	390.1	390.1	392.0
42.5°	5594.0	4228.6	772.6	418.5	386.3	366.4	362.6	359.8	351.3	346.5	347.5
45°	6152.6	4512.7	602.2	384.4	355.1	339.0	333.3	325.7	311.5	302.0	303.0
47.5°	6651.6	4731.4	489.5	351.3	326.7	314.4	305.8	291.6	270.8	259.4	260.4
50°	6913.9	4764.6	416.6	318.1	300.2	287.8	275.5	253.8	229.1	216.8	215.9
52.5°	6981.1	4609.3	362.6	287.8	273.6	259.4	243.3	214.0	186.5	173.3	171.4
55°	7005.8	4372.6	314.4	259.4	245.2	229.1	208.3	175.2	149.6	136.3	135.4
57.5°	6924.3	4019.4	276.5	233.9	216.8	196.9	171.4	140.1	115.5	105.1	105.1
60°	6743.5	3541.2	247.1	206.4	187.5	164.8	138.2	108.9	86.2	77.6	77.6
62.5°	6382.7	2922.0	219.7	178.0	160.0	136.3	111.7	82.4	60.6	55.9	56.8
65°	5701.9	2216.6	192.2	152.4	136.3	112.7	87.1	58.7	40.7	40.7	42.6
67.5°	4650.0	1539.6	163.8	129.7	117.4	91.8	66.3	40.7	28.4	32.2	36.0
70°	3078.2	863.5	140.1	107.0	100.4	72.9	49.2	27.5	22.7	30.3	36.9
72.5°	*1161.8*	*336.1*	*117.4*	*86.2*	*87.1*	*55.9*	*35.0*	*20.8*	*20.8*	*33.1*	*43.6*
75°	323.8	164.8	84.3	63.4	68.2	40.7	25.6	18.0	19.9	37.9	51.1
77.5°	190.3	121.2	54.9	36.9	46.4	28.4	17.0	14.2	17.0	32.2	49.2
80°	153.4	64.4	32.2	18.9	25.6	16.1	11.4	8.5	4.7	12.3	25.6
82.5°	153.4	38.8	15.1	13.3	13.3	8.5	5.7	3.8	0.9	0.0	6.6
85°	103.2	16.1	9.5	8.5	6.6	2.8	1.9	0.9	0.0	0.0	0.0
87.5°	17.0	6.6	3.8	1.9	0.9	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

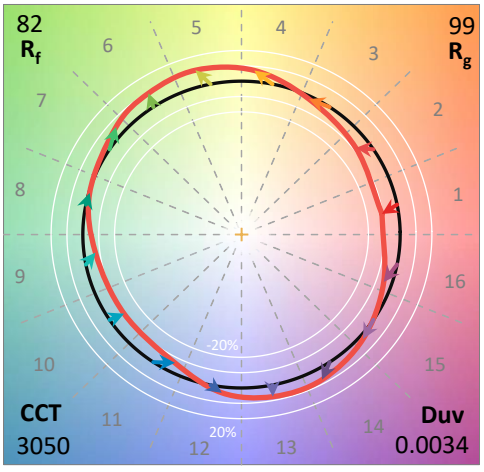
Test Information

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

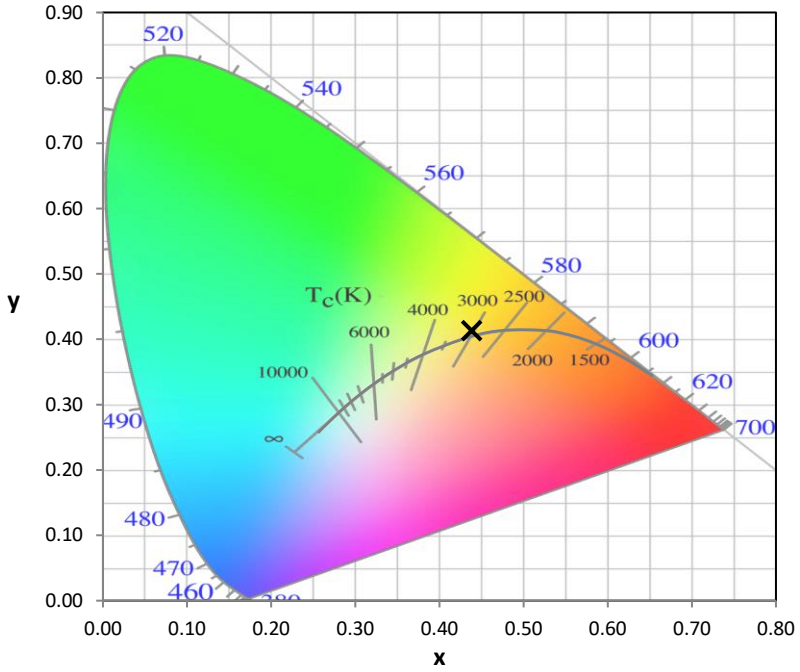
Stabilization Time:	20M
Operation Time:	1H 20M
Sphere Temperature (°C):	24.2

REPORT NUMBER: SP1-2408-195-9

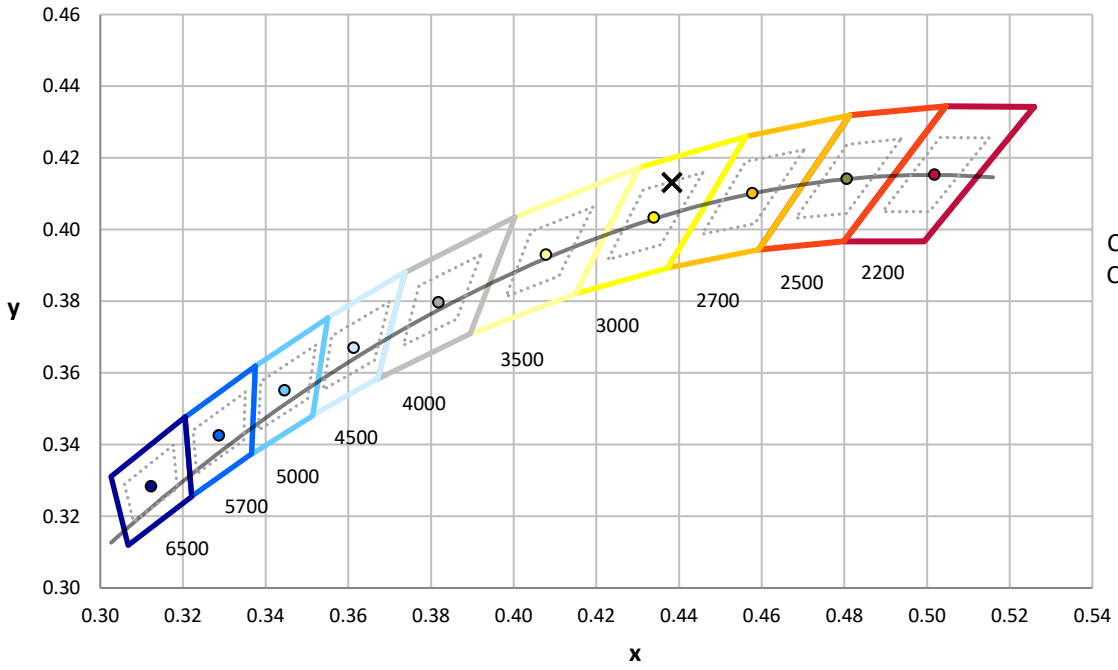
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

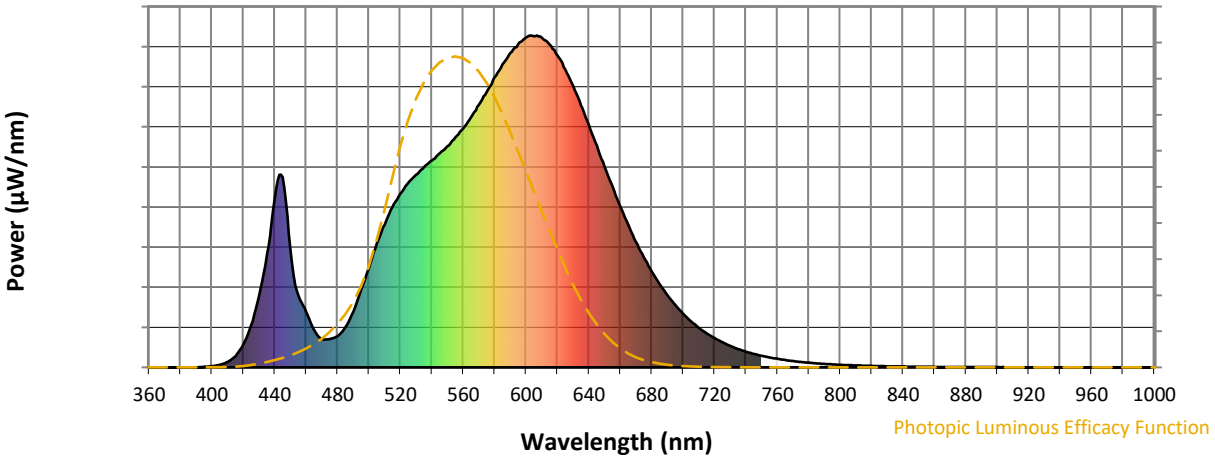


CCT = 3050K
CIE x = 0.4383
CIE y = 0.4131
Duv = 0.0034

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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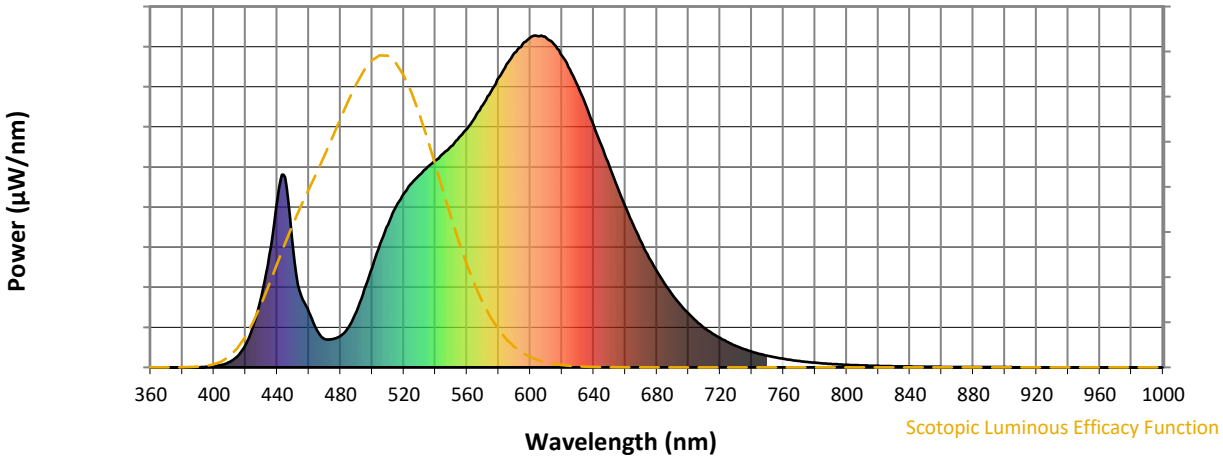
Scotopic Flux vs. Wavelength



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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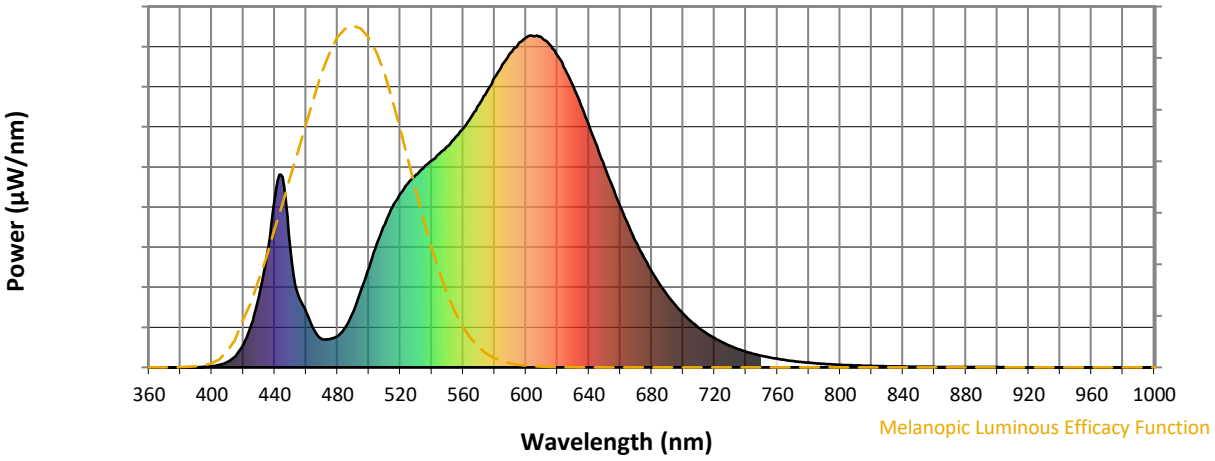
Melanopic Flux vs. Wavelength



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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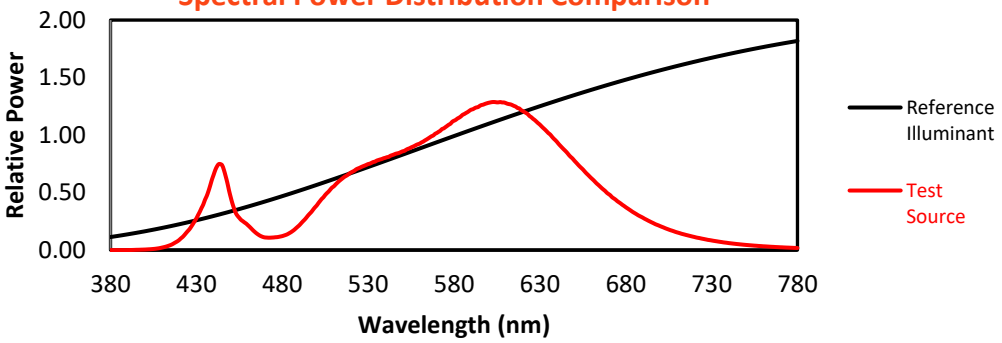
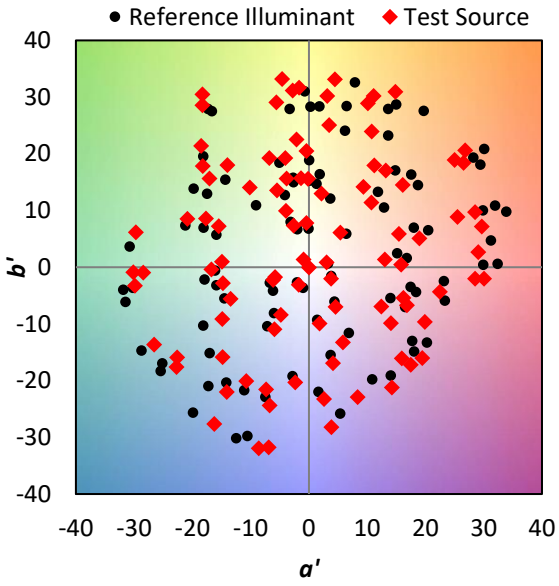
Summary

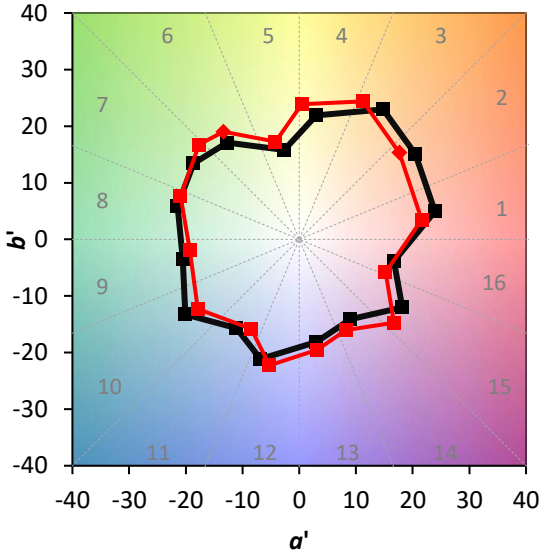
R_f = 81.5
R_g = 99.2
CIE R_a = 81.0
R_9 = 7.1

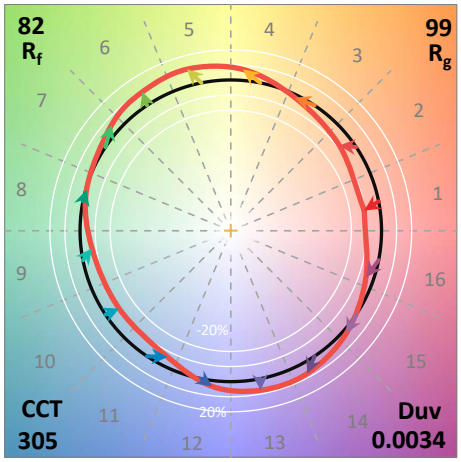
Spectral Power Distribution Comparison

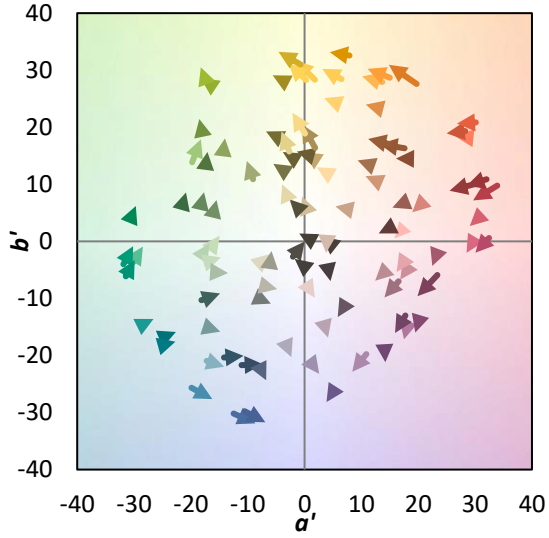


Color Vector Graphics









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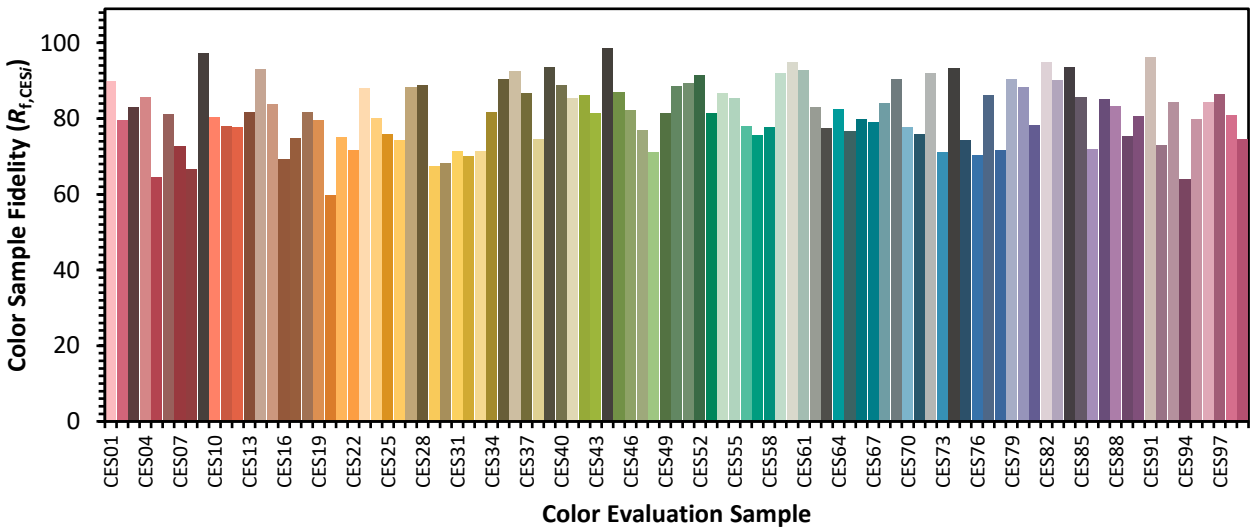
Individual Sample Fidelity Index ($R_{f,i}$)

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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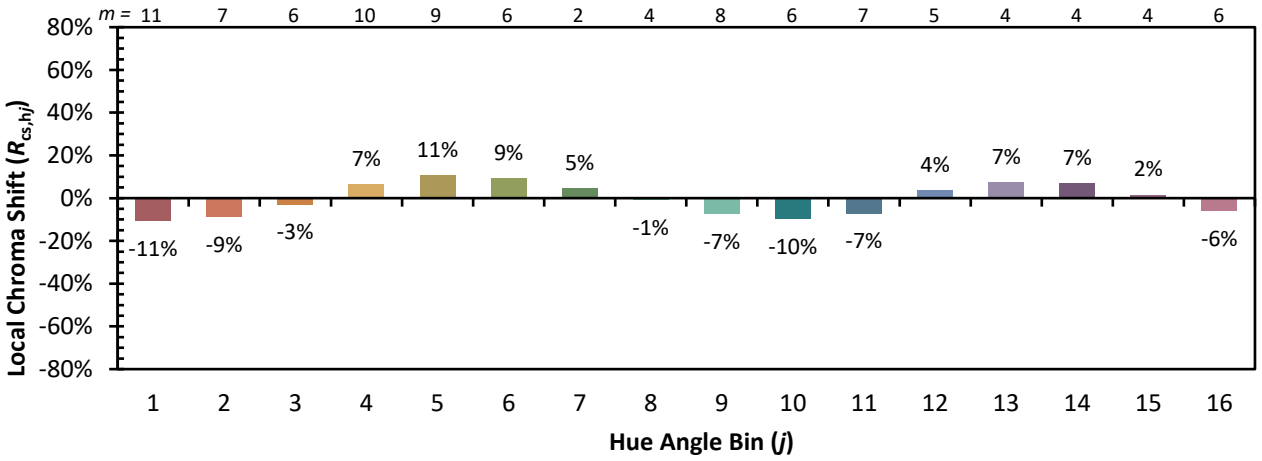
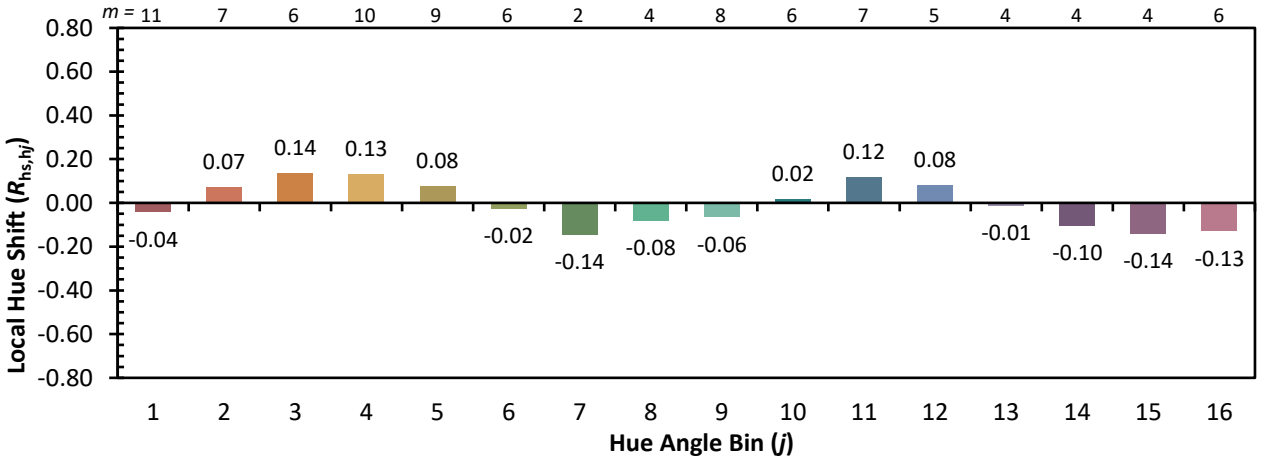
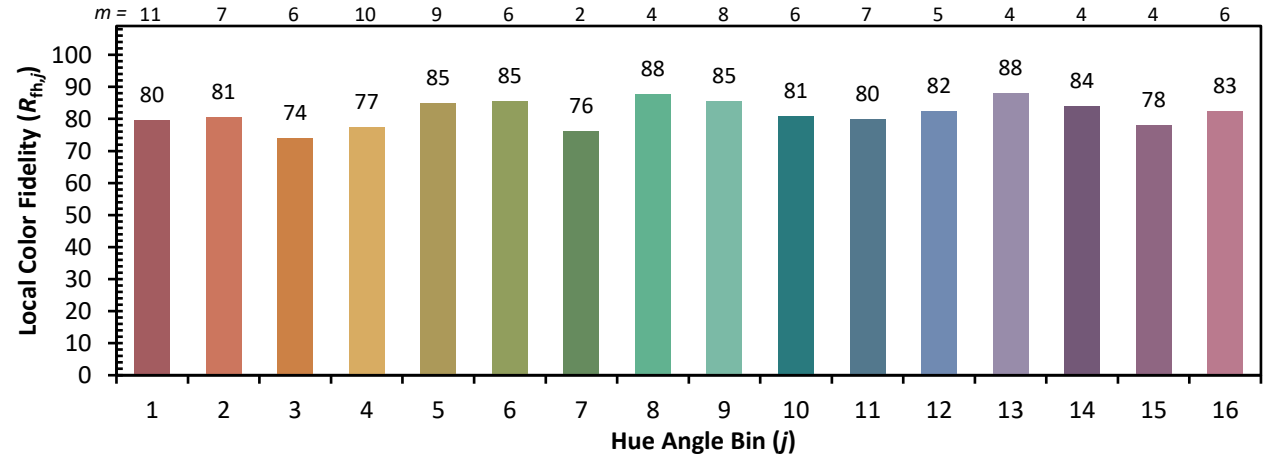
Color Rendition by Hue-Angle Bin







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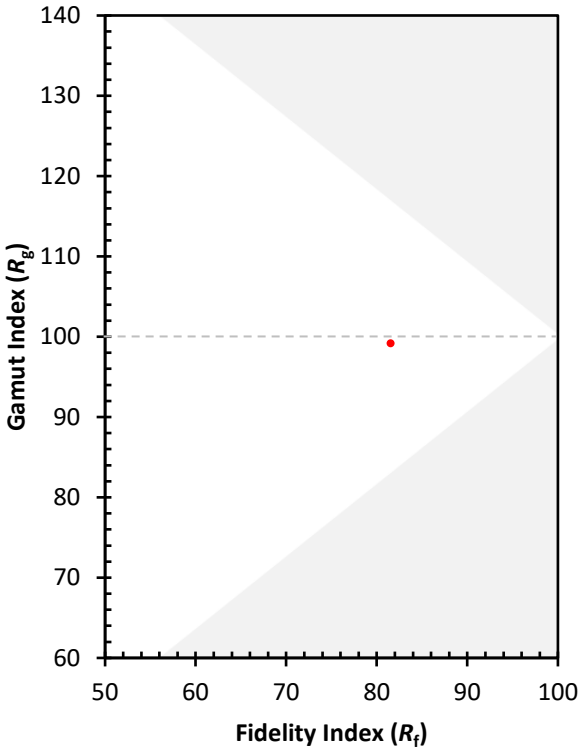
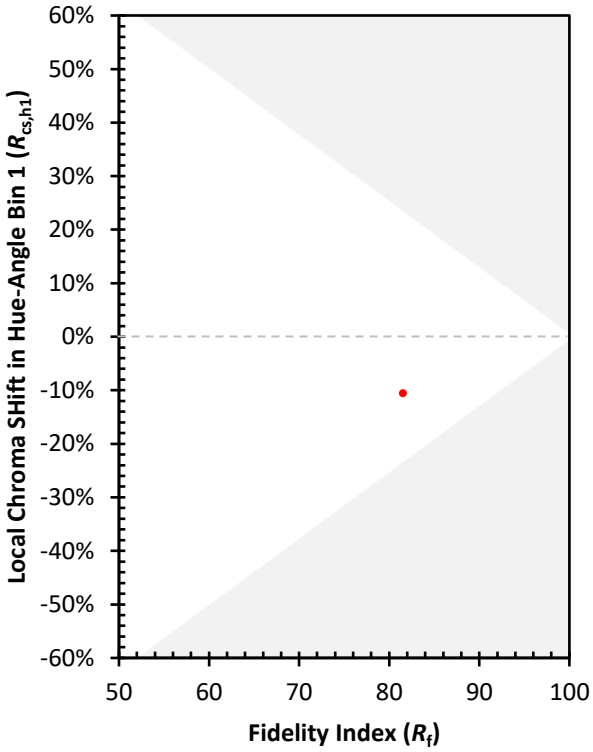
Measure Comparisons





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