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: P322093

Luminaire Tested: **GLEON-SA9C-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:	P322093
	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-SA9C-830-U-T2-HSS
Description:	GALLEON AREA AND ROADWAY LUMINAIRE
	(9) 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:	35746 lumens
Efficiency:	N/A
Efficacy:	71.3 lumens/watt
Luminous Opening:	Rectangular (W 2.5' x L: 1' x H: 0')
IES Classification:	Type II - Medium
BUG Rating:	B2 - U0 - G5

Input Watts (W):	501
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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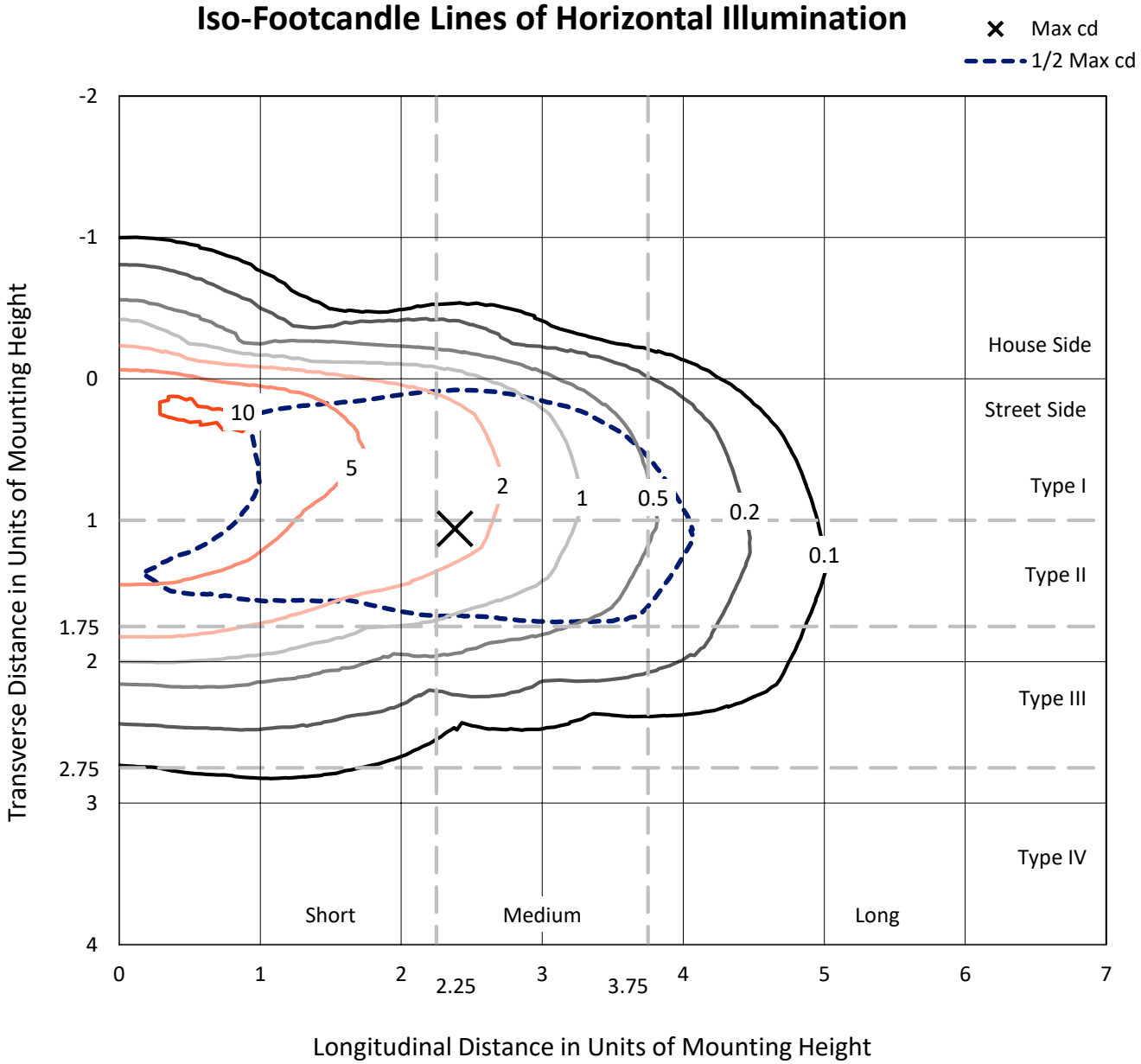
Scaled Data Report

REPORT NUMBER: P322093
CATALOG NUMBER: GLEON-SA9C-830-U-T2-HSS

Iso-Footcandle Lines of Horizontal Illumination



Based on 25 foot mounting height. Maximum calculated value = 10.8 fc
Type II - Medium - N/A

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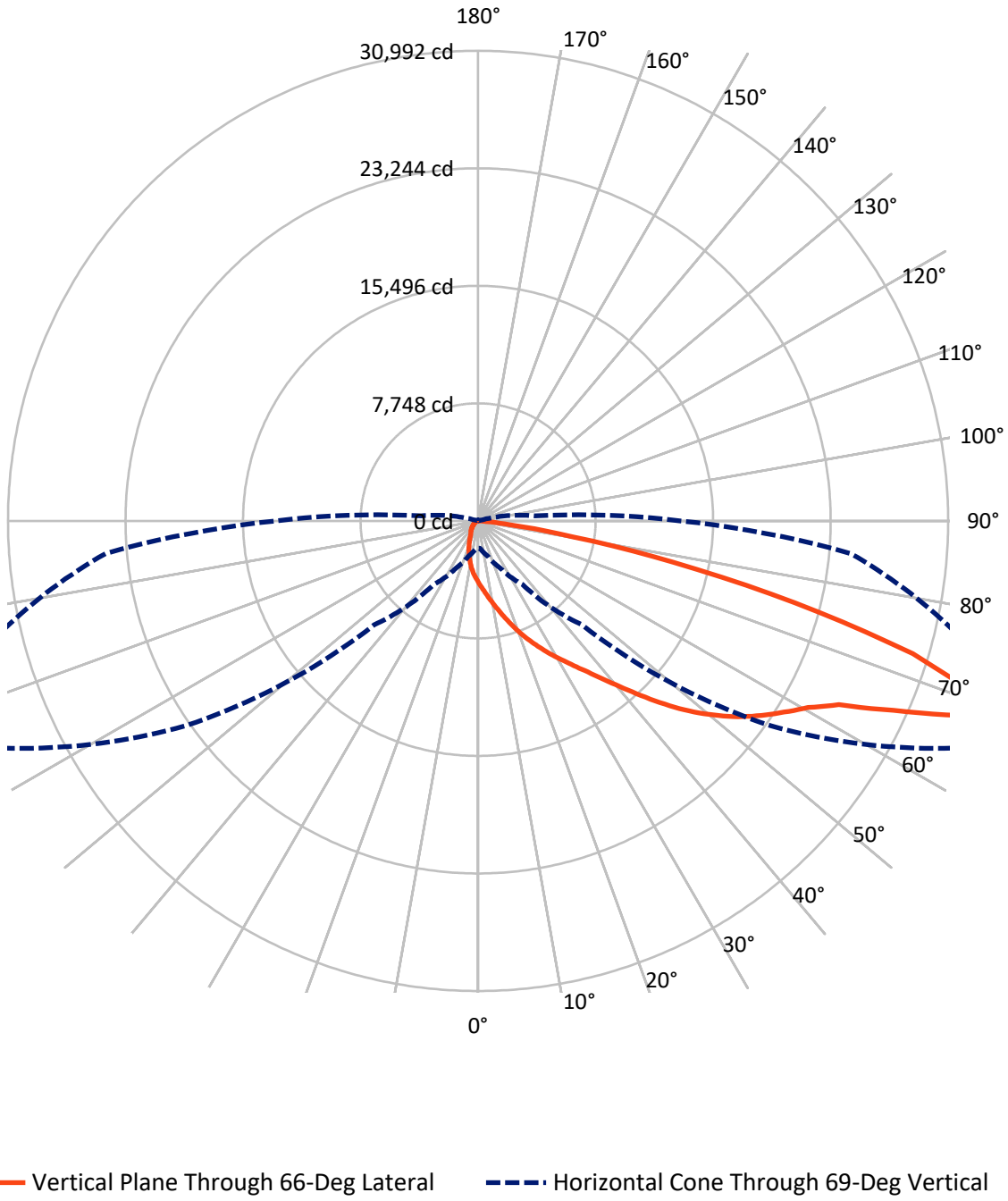
Luminous Intensity Polar Plot



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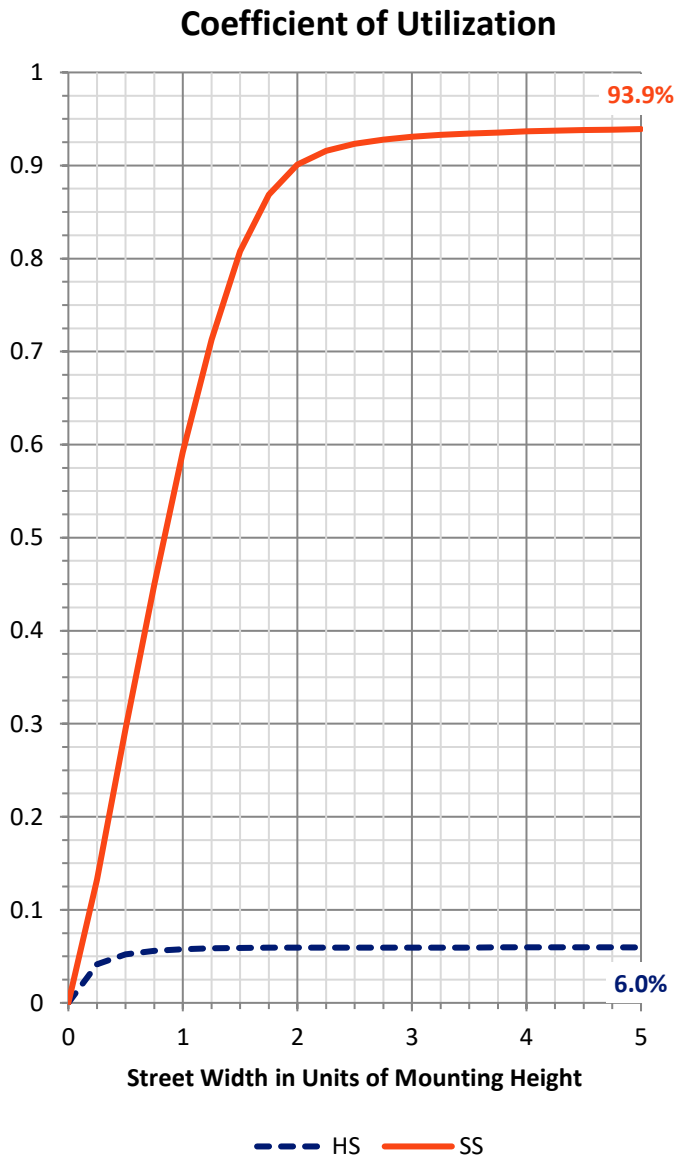
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2144.3	0.0	2144.3
	% Fixture	6.0	0.0	6.0
Street Side	Lumens	33601.7	0.0	33601.7
	% Fixture	94.0	0.0	94.0
Total	Lumens	35746.0	0.0	35746.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	393.2	1.1
10°-20°	1170.3	3.3
20°-30°	2038.0	5.7
30°-40°	3575.6	10.0
40°-50°	5985.0	16.7
50°-60°	8797.3	24.6
60°-70°	9032.6	25.3
70°-80°	4459.2	12.5
80°-90°	294.8	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°	35746.0	100.0
0°-180°	35746.0	100.0



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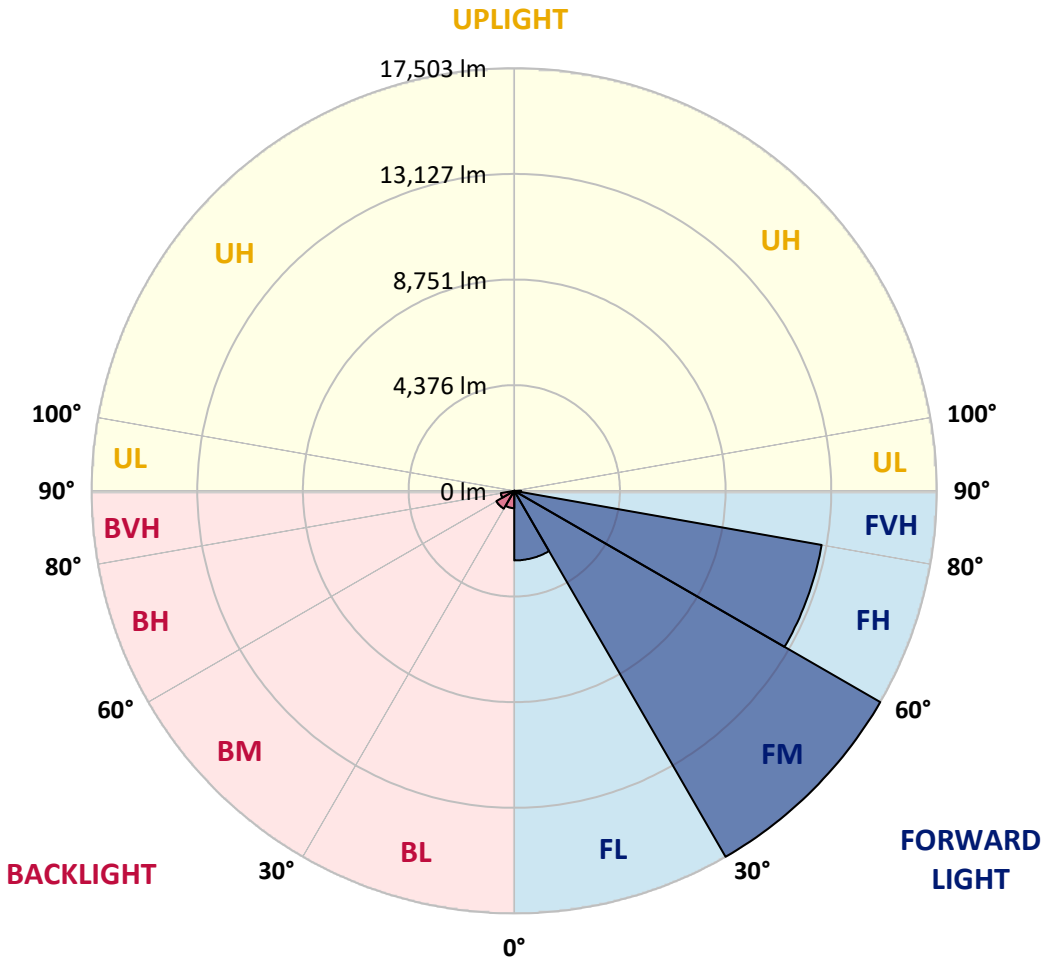
LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	2884.4	8.1			
FM	(30°-60°)	17502.9	49.0			
FH	(60°-80°)	12926.7	36.2			G5
FVH	(80°-90°)	287.7	0.8			G3/500
BL	(0°-30°)	717.1	2.0	B2/1000		
BM	(30°-60°)	854.9	2.4	B1/1000		
BH	(60°-80°)	565.1	1.6	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-G5
Type II Medium



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REPORT NUMBER: P322093
CATALOG NUMBER: GLEON-SA9C-830-U-T2-HSS

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	66°	75°	85°
0°	4068.0	4068.0	4068.0	4068.0	4068.0	4068.0	4068.0	4068.0	*4068.0*	4068.0	4068.0
2.5°	4787.9	4767.5	4759.0	4721.7	4657.2	4607.9	4512.8	4402.5	*4382.1*	4275.1	4144.4
5°	5409.3	5392.3	5380.4	5327.8	5261.6	5137.6	4964.5	4759.0	*4720.0*	4516.2	4254.8
7.5°	5842.2	5872.8	5872.8	5838.9	5755.7	5662.3	5450.0	5169.9	*5120.7*	4808.3	4402.5
10°	6095.2	6132.6	6161.4	6190.3	6178.4	6141.1	5940.7	5624.9	*5565.5*	5151.2	4574.0
12.5°	6119.0	6156.3	6237.8	6358.4	6475.5	6560.4	6434.8	6129.2	*6061.3*	5548.5	4777.7
15°	5986.6	6025.6	6151.3	6385.6	6669.1	6917.0	6957.7	6687.8	*6618.2*	6022.2	5032.4
17.5°	5755.7	5781.1	5961.1	6285.4	6730.2	7185.2	7431.4	7287.1	*7222.6*	6563.8	5315.9
20°	5584.2	5602.9	5760.7	6108.8	6692.9	7353.3	7879.6	7923.8	*7855.9*	7144.5	5623.2
22.5°	5877.9	5911.9	5917.0	6081.6	6591.0	7436.5	8273.5	8550.3	*8499.4*	7760.8	5925.4
25°	6681.0	6720.0	6591.0	6489.1	6677.6	7473.9	8611.4	9192.1	*9151.3*	8424.7	6229.4
27.5°	7742.1	7782.9	7616.5	7312.6	7130.9	7614.8	8911.9	9844.0	*9842.3*	9127.6	6557.0
30°	8784.6	8825.3	8655.6	8351.6	7934.0	8013.8	9171.7	10526.6	*10536.8*	9852.5	6905.1
32.5°	9878.0	9928.9	9754.1	9363.6	8927.2	8703.1	9536.7	11212.5	*11270.2*	10693.0	7297.3
35°	11120.8	11127.6	10881.4	10472.2	9969.7	9625.0	10122.5	11981.6	*12119.1*	11733.7	7794.8
37.5°	12339.9	12389.1	12187.1	11541.9	11080.1	10689.6	10993.5	12942.6	*13137.8*	13005.4	8445.0
40°	13243.1	13346.7	13317.8	12621.7	12183.7	11905.2	12075.0	14085.2	*14333.1*	14485.9	9265.1
42.5°	13810.2	13888.3	14020.7	13601.3	13204.1	13249.9	13351.8	15416.3	*15721.9*	16173.6	10207.4
45°	14460.4	14497.8	14608.2	14423.1	14154.8	14616.7	14706.6	16915.5	*17236.4*	17988.5	11253.2
47.5°	15255.0	15343.3	15373.9	15204.1	15081.9	15825.5	16012.3	18278.9	*18728.8*	19932.6	12360.2
50°	16266.9	16290.7	16343.3	16233.0	16110.7	16864.6	17183.8	19710.2	*20119.3*	21883.4	13451.9
52.5°	17256.8	17341.7	17525.0	17455.4	17406.2	17749.2	18227.9	21000.5	*21457.2*	23509.9	14541.9
55°	17542.0	17615.0	18248.3	18681.3	19082.0	18839.2	19226.3	22156.7	*22650.8*	24963.2	15591.2
57.5°	16402.8	16550.5	17647.3	18774.6	20436.8	20533.6	20598.1	23343.5	*23786.7*	26077.0	16682.9
60°	13523.2	13552.1	15351.8	17285.6	20212.7	22012.4	22601.6	24618.6	*24990.4*	27114.4	17990.2
62.5°	8601.2	8895.0	10869.5	13599.6	17842.5	21798.5	25024.4	26547.3	*26683.2*	28358.9	19864.7
65°	4096.9	4287.0	5709.8	8402.6	12923.9	19059.9	26696.7	30036.4	*30097.5*	30825.9	22369.0
67.5°	2268.3	2360.0	3037.4	4523.0	7555.4	13479.1	26021.0	34168.9	*34226.6*	33345.5	24566.0
69°	*1774.2*	*1852.3*	*2385.5*	*3409.3*	*5122.4*	*9687.8*	*23547.3*	*35379.5*	*35550.9*	*34067.0*	*24644.1*
70°	1506.0	1582.4	2054.4	2879.5	4118.9	7485.7	20959.8	35078.9	*35260.6*	33999.1	24061.7
72.5°	921.9	966.1	1368.5	2027.2	2760.7	3765.8	12925.6	29666.2	*29973.6*	31187.5	20679.6
75°	621.4	645.2	855.7	1399.0	1974.6	1938.9	6714.9	20910.5	*21576.1*	24260.3	15273.7
77.5°	444.8	466.9	573.9	904.9	1383.7	1280.2	3040.8	12995.2	*13137.8*	14550.4	8329.6
80°	253.0	273.4	405.8	538.2	938.9	854.0	1208.9	6207.3	*6278.6*	6239.5	2781.1
82.5°	132.4	149.4	222.4	354.8	602.7	558.6	502.6	2078.1	*2088.3*	1736.9	609.5
85°	25.5	30.6	110.4	242.8	310.7	242.8	205.4	487.3	*497.5*	439.7	151.1
87.5°	0.0	1.7	44.1	54.3	61.1	62.8	66.2	95.1	*101.9*	137.5	40.7
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: P322093
CATALOG NUMBER: GLEON-SA9C-830-U-T2-HSS

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	4068.0	4068.0	4068.0	4068.0	4068.0	4068.0	4068.0	4068.0	4068.0	4068.0	4068.0
2.5°	4086.7	4025.6	3908.4	3772.6	3667.3	3563.8	3482.3	3397.4	3366.8	3351.5	3349.8
5°	4127.4	3998.4	3750.5	3495.8	3287.0	3090.1	2949.1	2815.0	2752.2	2723.3	2711.4
7.5°	4195.3	3988.2	3589.2	3200.4	2899.9	2653.7	2458.5	2312.4	2239.4	2208.9	2197.0
10°	4275.1	3974.6	3400.8	2888.0	2504.3	2249.6	2056.1	1911.8	1832.0	1798.0	1781.0
12.5°	4368.5	3950.9	3183.4	2572.2	2166.4	1911.8	1677.5	1499.2	1407.5	1368.5	1349.8
15°	4484.0	3927.1	2955.9	2275.1	1869.3	1558.6	1302.2	1181.7	1163.0	1156.2	1157.9
17.5°	4597.7	3889.7	2708.0	1981.4	1556.9	1217.3	1086.6	1079.8	1083.2	1083.2	1083.2
20°	4699.6	3804.8	2438.1	1730.1	1259.8	1027.2	1000.0	988.1	979.7	972.9	964.4
22.5°	4779.4	3691.1	2178.3	1480.5	1028.9	940.6	898.2	860.8	830.2	809.9	799.7
25°	4833.7	3540.0	1940.6	1241.1	925.3	855.7	779.3	716.5	668.9	640.1	628.2
27.5°	4874.5	3377.0	1728.4	1039.1	854.0	757.2	657.1	582.4	533.1	507.7	497.5
30°	4903.3	3191.9	1541.6	913.4	774.2	653.7	546.7	473.7	438.0	424.5	417.7
32.5°	4930.5	2986.5	1365.1	854.0	699.5	558.6	458.4	402.4	380.3	363.3	358.2
35°	4998.4	2796.3	1197.0	791.2	623.1	477.1	393.9	353.1	331.1	320.9	317.5
37.5°	5159.7	2655.4	1035.7	726.7	546.7	412.6	344.7	315.8	295.4	285.2	281.8
40°	5419.5	2584.1	899.9	657.1	472.0	363.3	312.4	285.2	263.2	247.9	244.5
42.5°	5801.5	2594.3	804.8	587.5	412.6	324.3	281.8	249.6	225.8	212.2	208.8
45°	6265.0	2669.0	738.6	519.5	363.3	293.7	247.9	213.9	191.9	180.0	176.6
47.5°	6767.6	2789.5	684.2	458.4	324.3	264.9	213.9	178.3	159.6	149.4	147.7
50°	7297.3	2906.7	628.2	399.0	290.3	236.0	180.0	147.7	132.4	123.9	120.5
52.5°	7833.8	3042.5	577.3	344.7	261.5	202.0	149.4	120.5	108.7	101.9	98.5
55°	8411.1	3144.4	528.0	302.2	232.6	171.5	123.9	100.2	90.0	81.5	79.8
57.5°	9090.2	3302.3	477.1	261.5	198.6	142.6	101.9	79.8	71.3	62.8	61.1
60°	10007.0	3487.4	422.8	230.9	163.0	117.2	83.2	64.5	54.3	47.5	45.8
62.5°	11215.9	3692.8	354.8	202.0	132.4	95.1	66.2	50.9	39.1	30.6	30.6
65°	12749.0	4027.3	290.3	169.8	108.7	78.1	50.9	37.4	22.1	13.6	13.6
67.5°	13643.8	4085.0	234.3	139.2	88.3	66.2	42.4	25.5	6.8	1.7	0.0
69°	*13356.9*	*3750.5*	*198.6*	*118.8*	*76.4*	*62.8*	*39.1*	*18.7*	*3.4*	*0.0*	*0.0*
70°	12816.9	3429.6	174.9	105.3	69.6	59.4	37.4	13.6	3.4	0.0	0.0
72.5°	10591.1	2441.5	132.4	78.1	50.9	52.6	34.0	8.5	3.4	0.0	0.0
75°	7715.0	1483.9	95.1	54.3	32.3	39.1	23.8	3.4	1.7	0.0	0.0
77.5°	4292.1	699.5	59.4	30.6	20.4	23.8	11.9	0.0	0.0	0.0	0.0
80°	1393.9	190.2	27.2	17.0	11.9	13.6	5.1	0.0	0.0	0.0	0.0
82.5°	258.1	54.3	15.3	8.5	3.4	3.4	0.0	0.0	0.0	0.0	0.0
85°	56.0	22.1	8.5	3.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	18.7	6.8	1.7	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

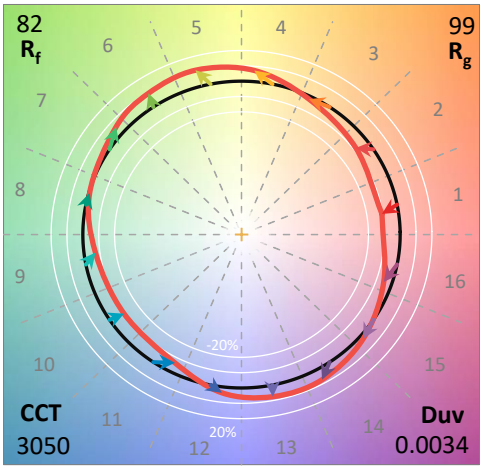
Test Information

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

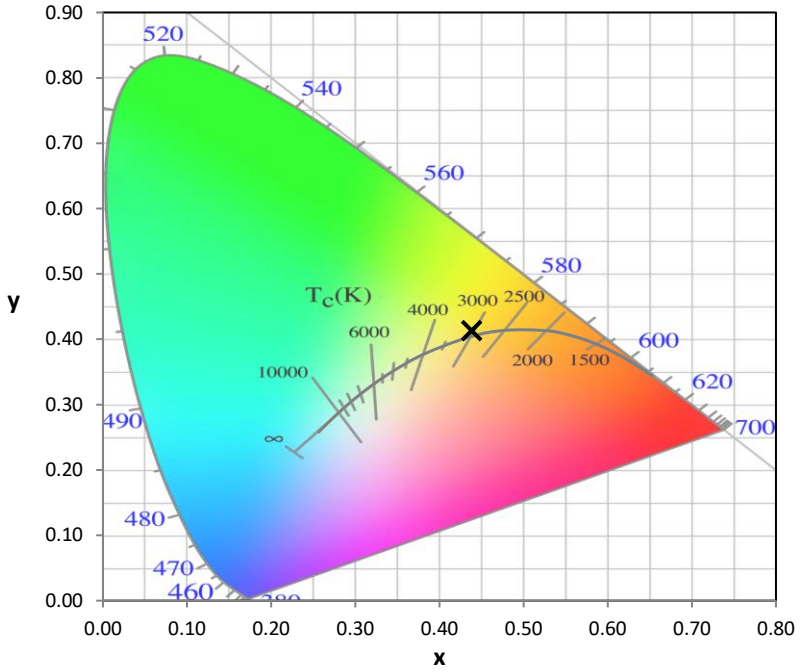
Stabilization Time:	20M
Operation Time:	1H 20M
Sphere Temperature (°C):	24.2

REPORT NUMBER: SP1-2408-195-9

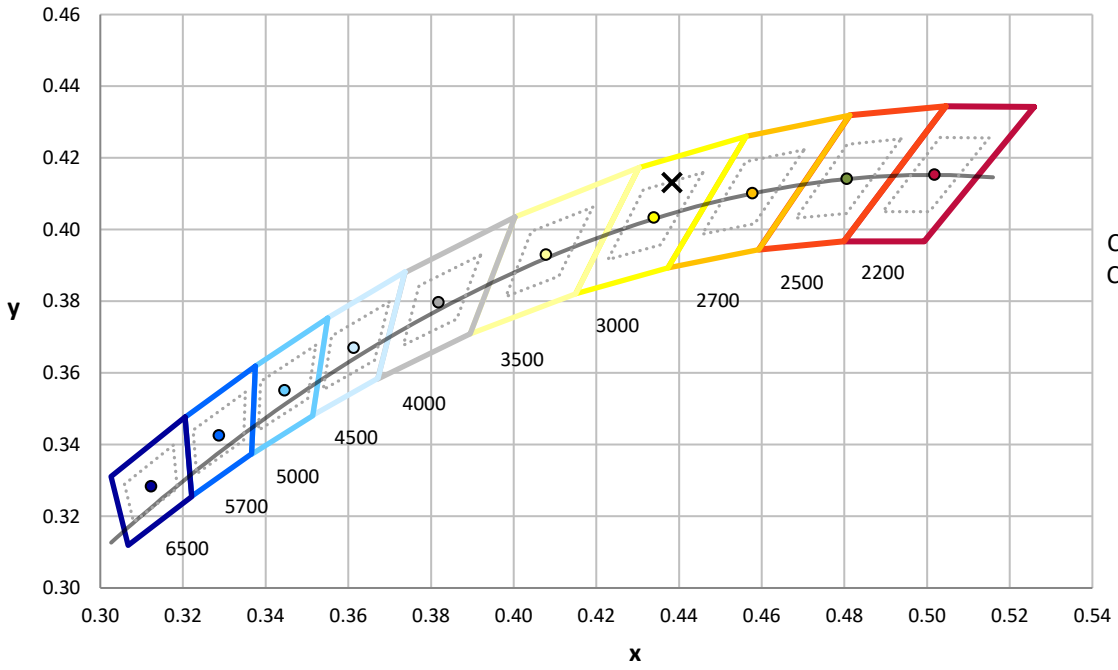
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

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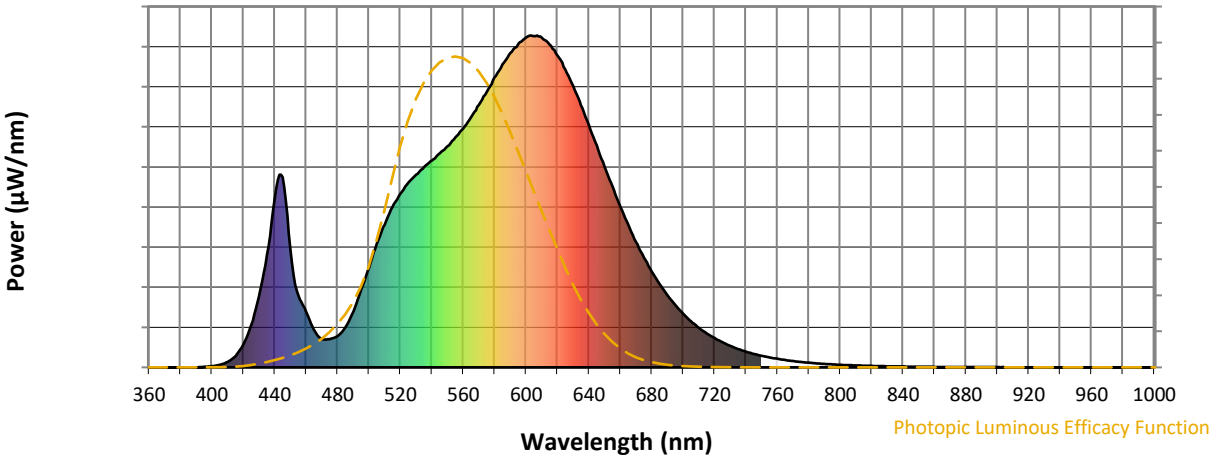
Photopic Flux vs. Wavelength



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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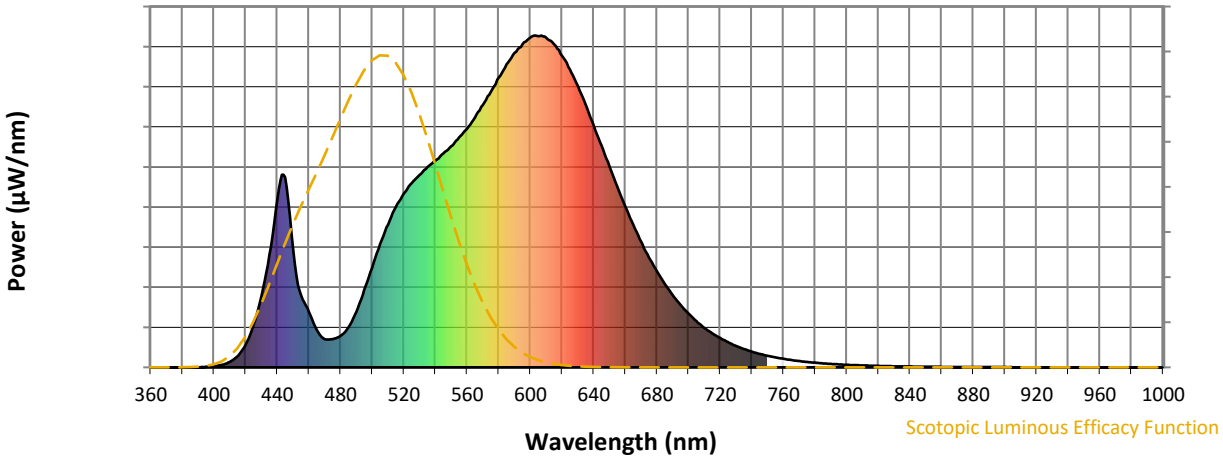
Scotopic Flux vs. Wavelength



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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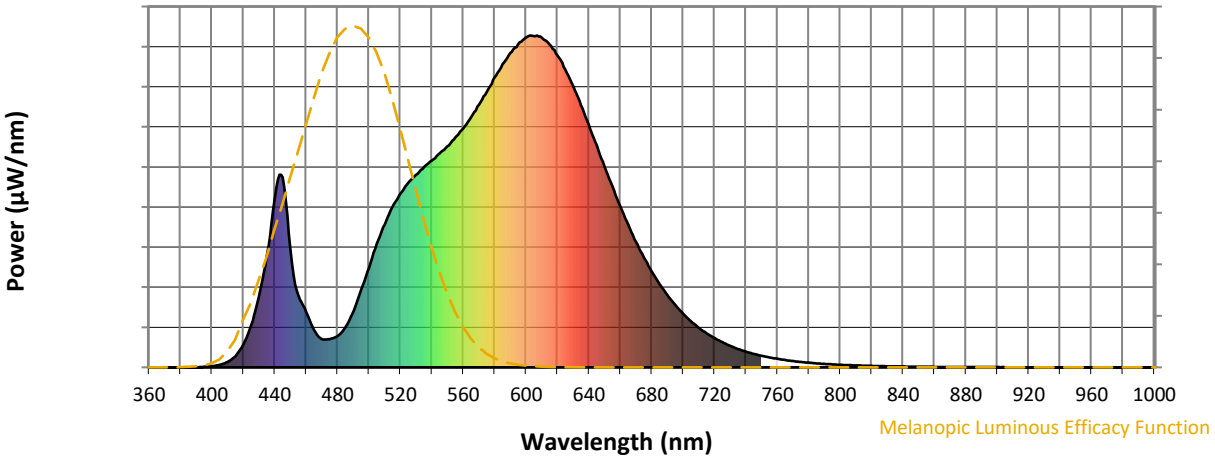
Melanopic Flux vs. Wavelength



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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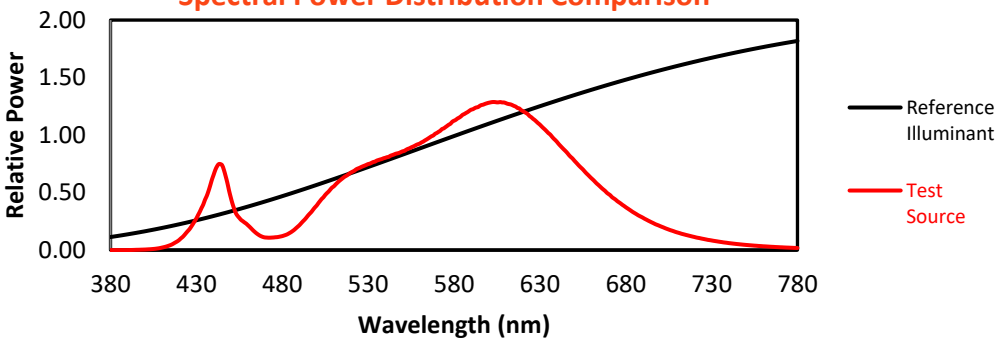
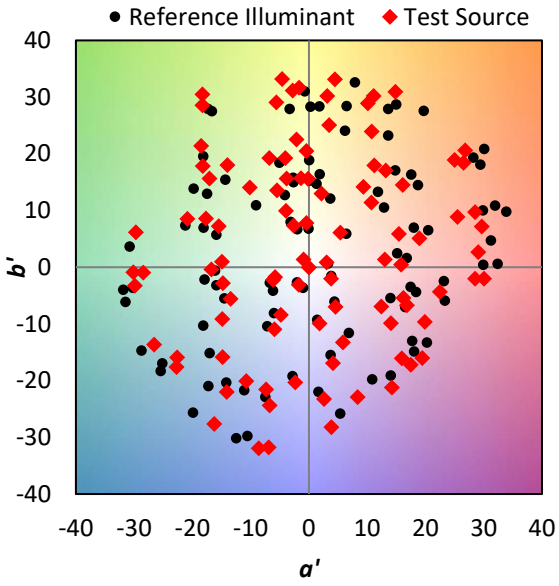
Summary

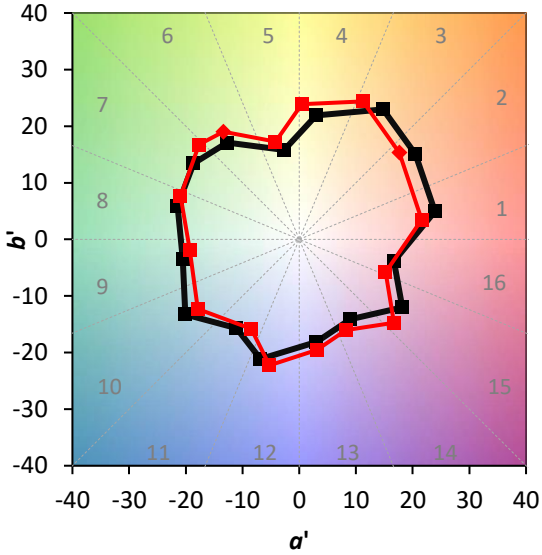
R_f = 81.5
R_g = 99.2
CIE R_a = 81.0
R_9 = 7.1

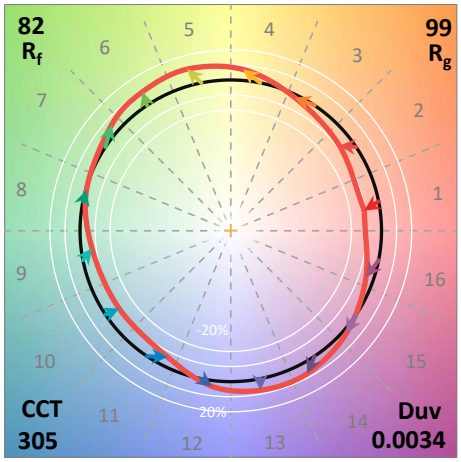
Spectral Power Distribution Comparison

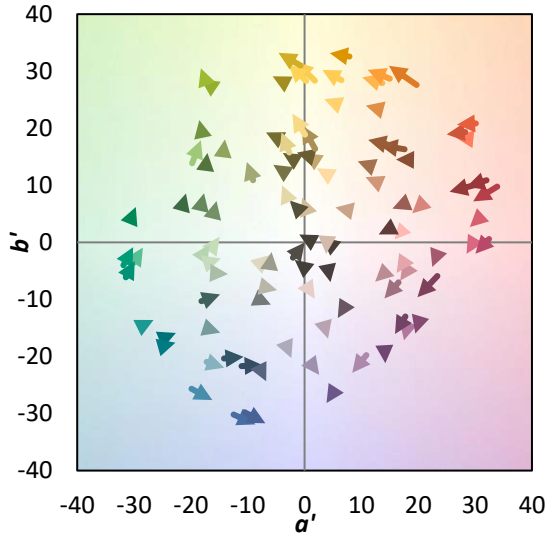


Color Vector Graphics









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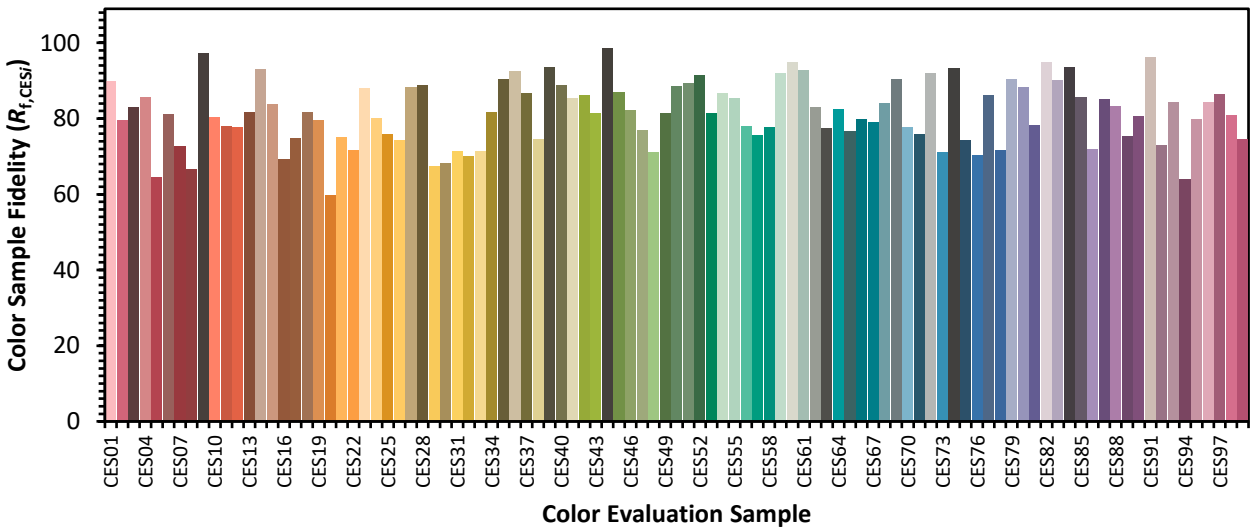
Individual Sample Fidelity Index ($R_{f,i}$)

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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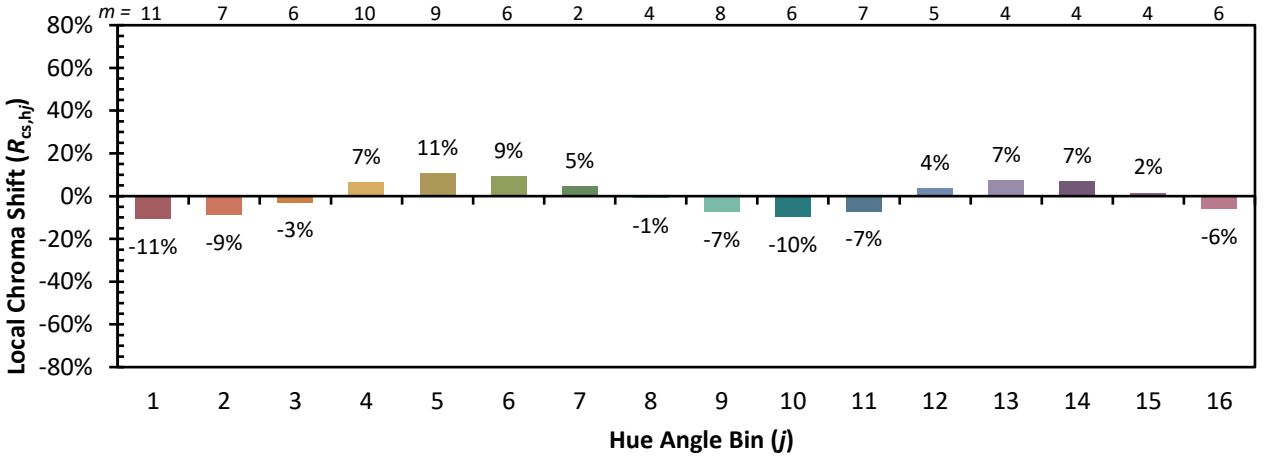
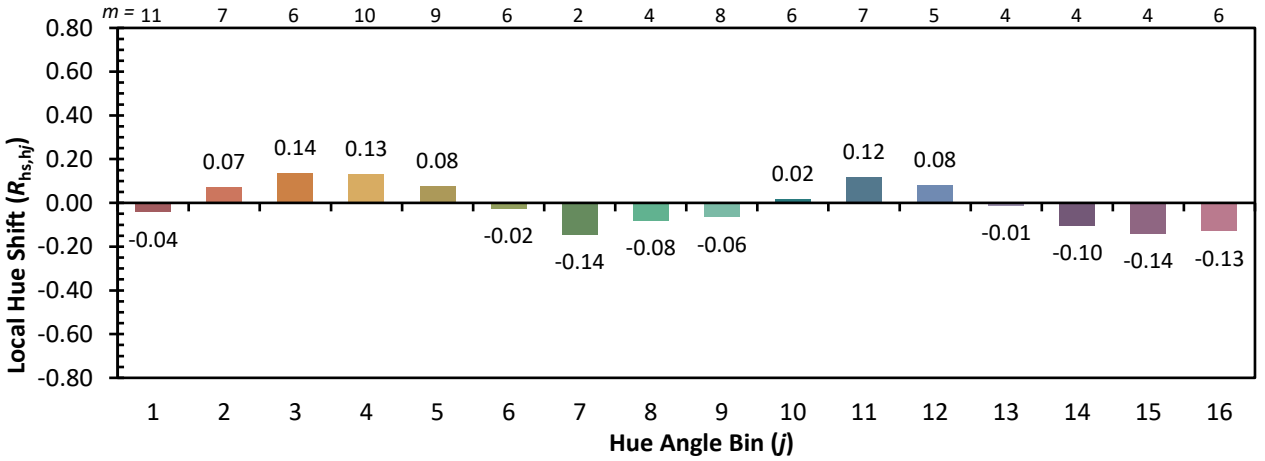
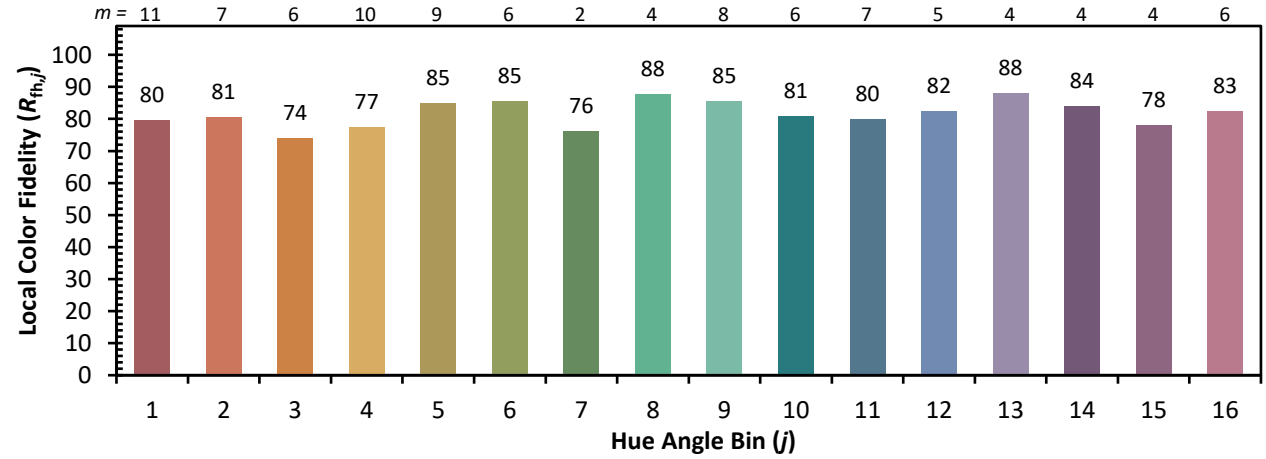
Color Rendition by Hue-Angle Bin







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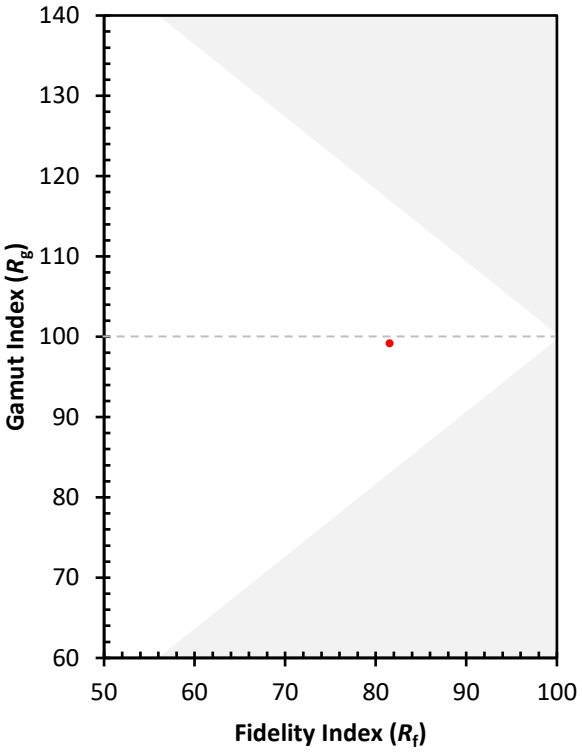
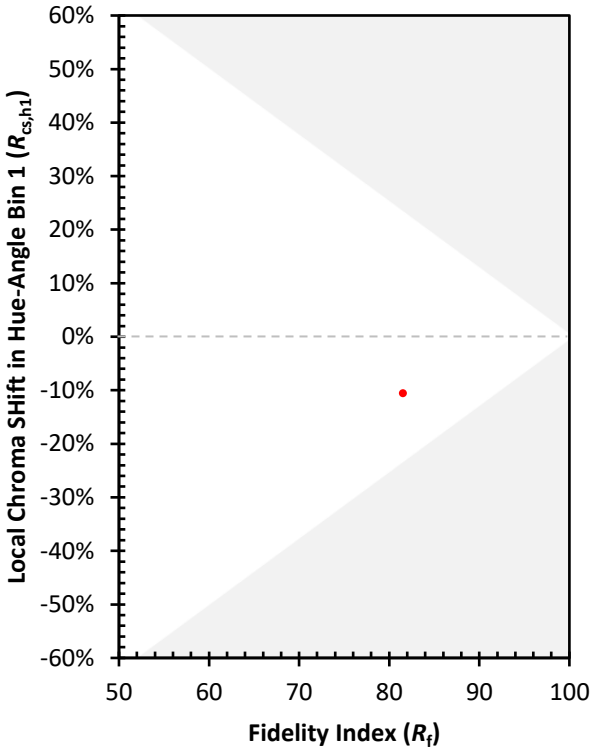
Measure Comparisons





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