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: P323042

Luminaire Tested: **GLEON-SA8B-830-U-T4W-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:	P323042
	TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-19)
Test Lab:	INNOVATION CENTER
Issue Date:	3/3/2020
Manufacturer:	COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line:	McGRAW-EDISON
Catalog Number:	GLEON-SA8B-830-U-T4W-HSS
Description:	GALLEON AREA AND ROADWAY LUMINAIRE
	(8) 80 CRI, 3000K, 800mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE IV WIDE OPTICS WITH HOUSE SIDE SHIELD
Light Source:	-
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	26378 lumens
Efficiency:	N/A
Efficacy:	79.0 lumens/watt
Luminous Opening:	Rectangular (W 2' x L: 1' x H: 0')
IES Classification:	Type IV - Short
BUG Rating:	B2 - U0 - G5

Input Watts (W):	334
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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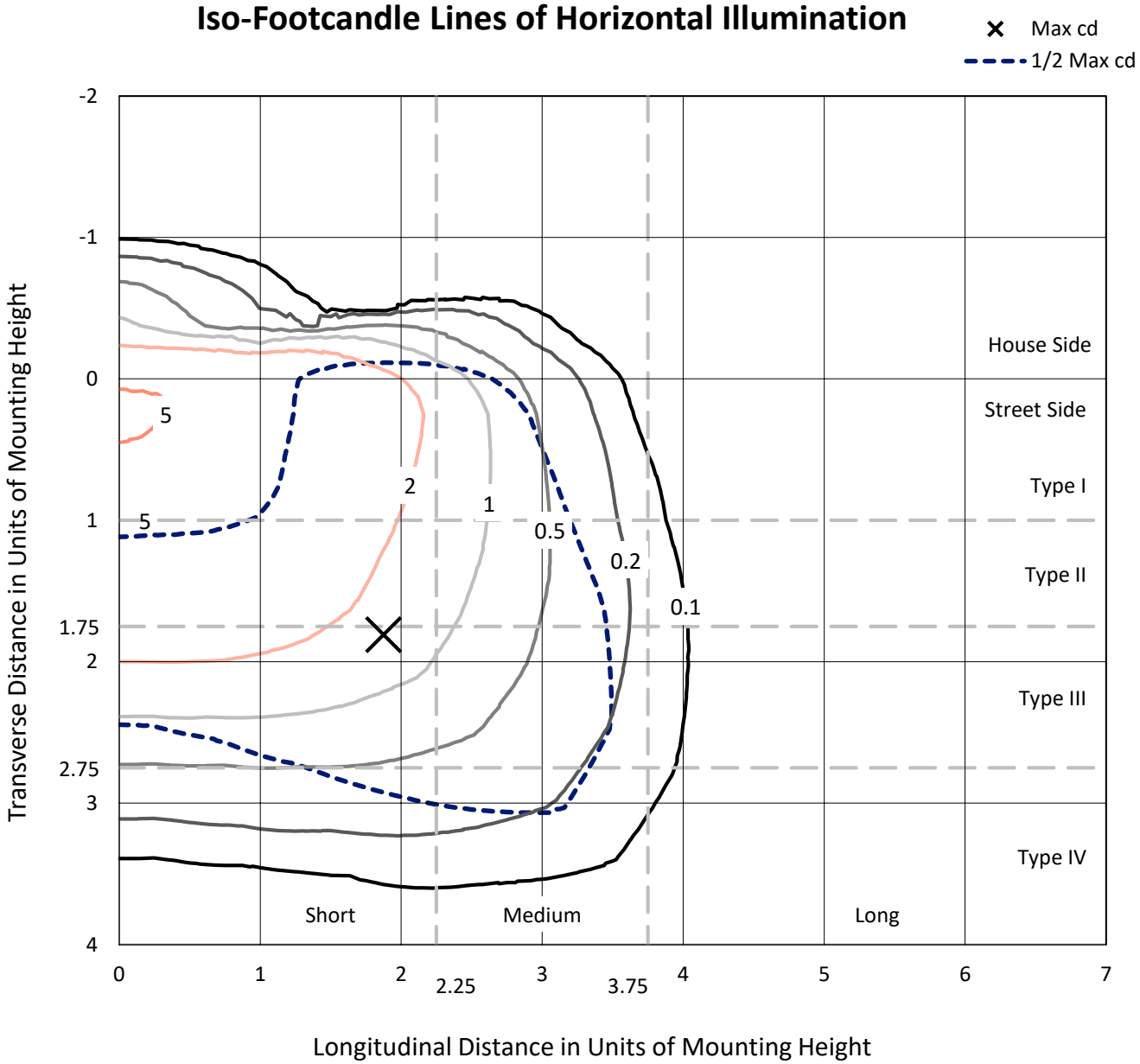
REPORT NUMBER: P323042
CATALOG NUMBER: GLEON-SA8B-830-U-T4W-HSS

Iso-Footcandle Lines of Horizontal Illumination



Based on 25 foot mounting height. Maximum calculated value = 6.2 fc
Type IV - Short - N/A

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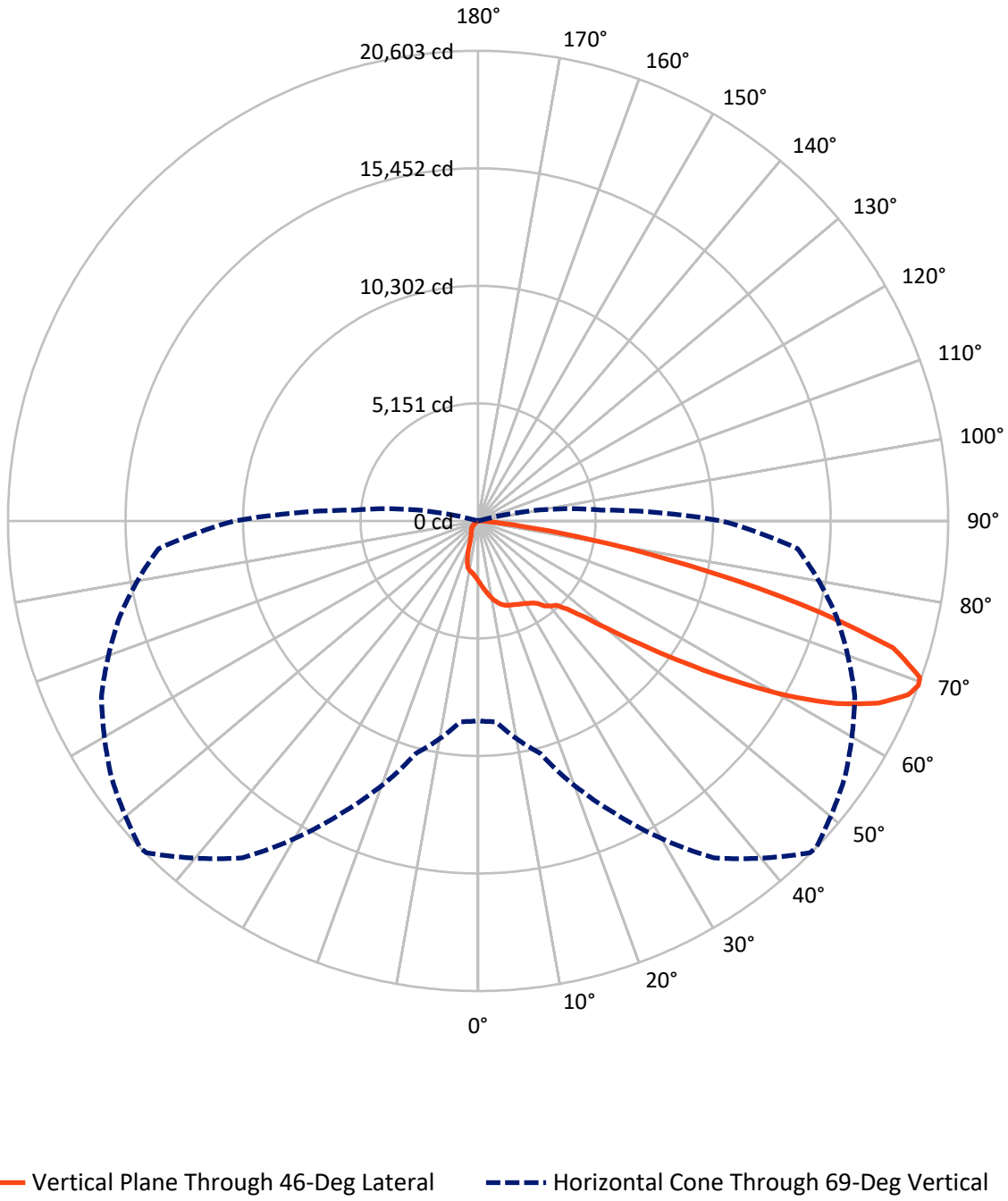
Luminous Intensity Polar Plot



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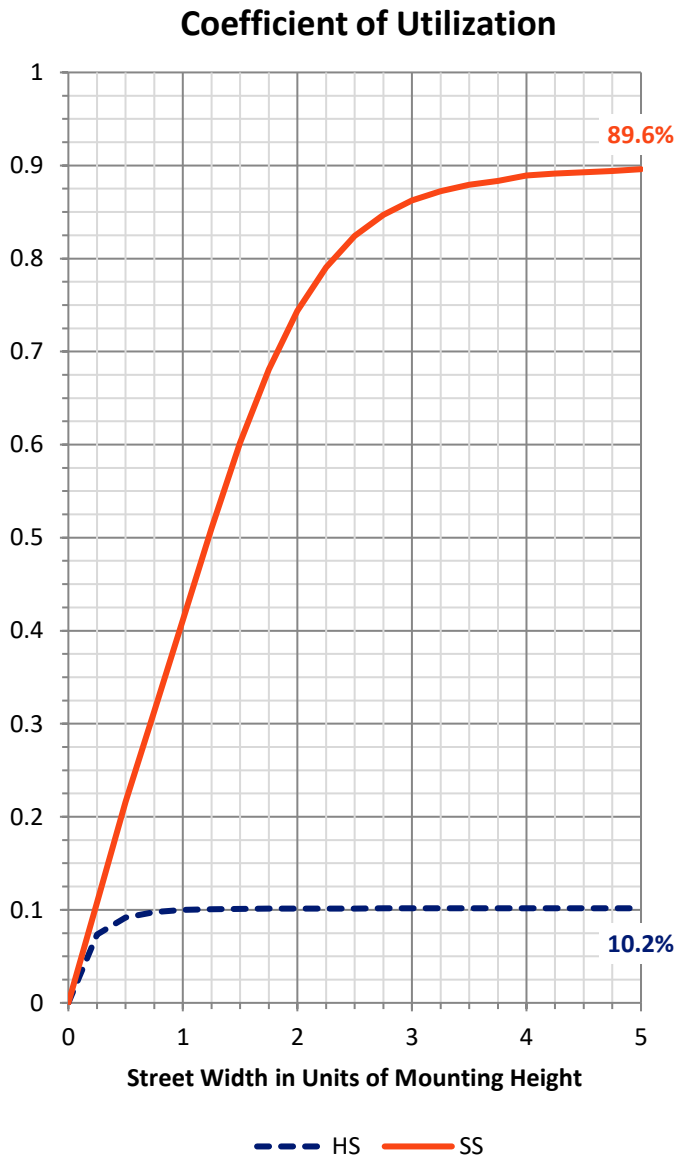
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2707.1	0.0	2707.1
	% Fixture	10.3	0.0	10.3
Street Side	Lumens	23670.9	0.0	23670.9
	% Fixture	89.7	0.0	89.7
Total	Lumens	26378.0	0.0	26378.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	263.1	1.0
10°-20°	798.1	3.0
20°-30°	1255.1	4.8
30°-40°	1799.9	6.8
40°-50°	3110.8	11.8
50°-60°	6145.7	23.3
60°-70°	8589.2	32.6
70°-80°	4149.5	15.7
80°-90°	266.7	1.0
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°	26378.0	100.0
0°-180°	26378.0	100.0



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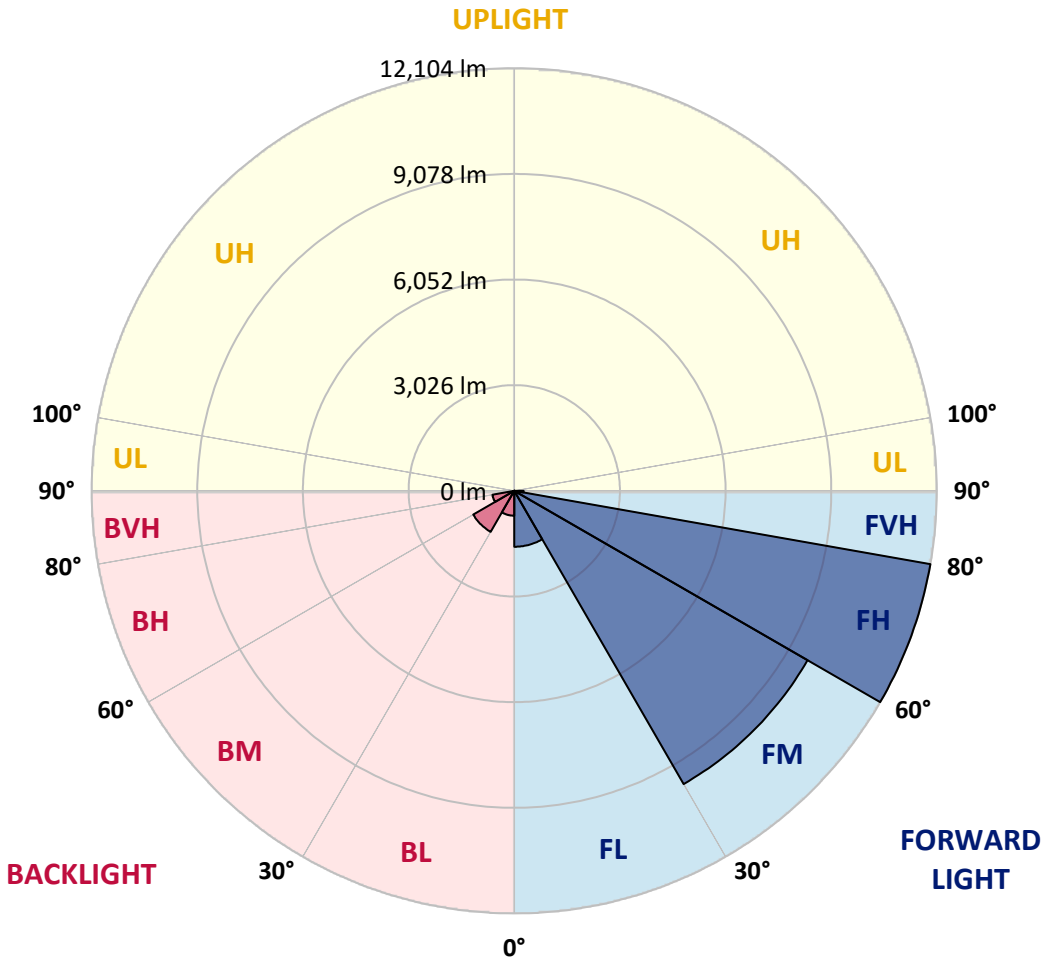
LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	1602.8	6.1			
FM	(30°-60°)	9699.8	36.8			
FH	(60°-80°)	12103.9	45.9			G5
FVH	(80°-90°)	264.5	1.0			G3/500
BL	(0°-30°)	713.5	2.7	B2/1000		
BM	(30°-60°)	1356.6	5.1	B2/2500		
BH	(60°-80°)	634.8	2.4	B2/1000		G2/1000
BVH	(80°-90°)	2.2	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 IV Short



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Scaled Data Report

REPORT NUMBER: P323042
CATALOG NUMBER: GLEON-SA8B-830-U-T4W-HSS

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	46°	55°	65°	75°	85°
0°	2643.0	2643.0	2643.0	2643.0	2643.0	2643.0	*2643.0*	2643.0	2643.0	2643.0	2643.0
2.5°	2936.1	2932.4	2915.1	2907.6	2865.6	2840.9	*2831.0*	2800.0	2755.5	2711.0	2661.5
5°	3270.0	3268.8	3236.6	3205.7	3126.6	3052.3	*3038.7*	2967.0	2866.8	2772.8	2678.8
7.5°	3611.4	3595.3	3563.1	3503.8	3388.7	3270.0	*3258.9*	3157.5	3015.2	2879.2	2744.4
10°	3900.8	3890.9	3848.8	3758.5	3623.7	3488.9	*3475.3*	3350.4	3189.6	3022.7	2850.8
12.5°	4125.9	4118.4	4062.8	3950.2	3806.8	3667.0	*3648.5*	3537.2	3365.3	3178.5	2975.7
15°	4263.1	4259.4	4191.4	4071.4	3930.5	3809.3	*3793.2*	3695.5	3535.9	3340.5	3111.7
17.5°	4295.3	4296.5	4226.0	4104.8	3988.6	3902.0	*3889.6*	3815.4	3681.9	3487.7	3247.8
20°	4223.6	4238.4	4175.3	4070.2	3998.5	3952.7	*3942.8*	3898.3	3785.8	3602.7	3356.6
22.5°	4122.2	4129.6	4086.3	4015.8	3986.1	3994.8	*3989.8*	3965.1	3869.9	3701.7	3464.2
25°	4060.3	4060.3	4034.3	3975.0	3994.8	4047.9	*4049.2*	4044.2	3968.8	3822.9	3595.3
27.5°	4057.8	4050.4	4020.7	3976.2	4030.6	4112.3	*4117.2*	4150.6	4103.6	3970.0	3758.5
30°	4156.8	4148.1	4085.1	4026.9	4096.2	4184.0	*4196.4*	4269.3	4245.8	4129.6	3940.3
32.5°	4388.1	4357.1	4217.4	4122.2	4174.1	4279.2	*4295.3*	4411.6	4448.7	4326.2	4116.0
35°	4704.7	4607.0	4405.4	4302.7	4307.7	4417.7	*4432.6*	4603.3	4713.3	4506.8	4252.0
37.5°	5141.3	5093.0	4765.3	4490.7	4513.0	4679.9	*4723.2*	4908.7	4877.8	4605.7	4406.6
40°	6098.5	6023.1	5674.3	5017.6	4709.6	4892.7	*4906.3*	5005.2	5007.7	4829.6	4728.2
42.5°	7402.1	7371.1	7003.8	5973.6	5096.7	5034.9	*5059.6*	5226.6	5413.3	5302.0	5297.1
45°	8845.4	8829.3	8439.7	7242.5	5879.6	5501.2	*5532.1*	5755.9	6113.4	6138.1	6295.2
47.5°	10006.7	9999.3	9775.4	8658.6	7078.0	6291.4	*6301.3*	6538.8	7167.1	7477.5	7728.6
50°	11065.4	11101.2	10924.4	10191.0	8710.6	7529.5	*7506.0*	7664.3	8673.5	9181.8	9493.4
52.5°	12537.1	12587.8	12091.9	11620.7	10423.5	9065.5	*9047.0*	9212.7	10484.1	10865.0	10920.7
55°	13837.0	13750.4	13358.4	13222.3	12512.4	10962.7	*10957.8*	11103.7	12235.4	12397.4	12500.0
57.5°	14410.8	14377.4	14566.7	14878.3	14700.2	13205.0	*13193.9*	13082.6	13802.4	13819.7	14135.0
60°	14773.2	14814.0	15394.1	16355.0	16799.0	15617.9	*15546.2*	14867.2	15298.8	15260.5	15598.1
62.5°	14501.1	14581.5	15625.3	17227.0	18369.7	17724.1	*17622.7*	16502.2	16577.7	16445.3	16759.5
65°	13056.6	13181.5	14891.9	17062.5	19148.9	19370.3	*19267.6*	17945.5	17593.1	17375.4	17201.0
67.5°	10601.6	10675.8	12461.7	15631.5	18797.7	20352.3	*20331.3*	19210.7	18359.8	17218.3	15865.3
69°	*8761.3*	*8834.2*	*10553.4*	*14125.1*	*18024.7*	*20562.5*	*20603.3*	*19616.4*	*18213.9*	*16263.5*	*14057.1*
70°	7420.6	7498.5	9100.2	12834.0	17128.0	20464.8	*20537.8*	19578.1	17795.9	15157.9	12470.3
72.5°	3892.1	3958.9	5602.6	8841.7	13963.1	18791.5	*19012.9*	17923.3	15084.9	11008.5	7373.6
75°	1223.2	1261.5	2187.8	4621.8	9560.2	14611.2	*14661.9*	14059.6	10711.7	6055.2	3070.9
77.5°	466.3	455.1	728.5	1703.0	4833.3	9200.3	*9510.8*	8786.0	5621.1	2140.8	708.7
80°	251.1	252.3	378.5	705.0	2067.9	4728.2	*4990.4*	4258.2	1997.4	667.9	163.3
82.5°	108.8	113.8	212.7	373.5	949.8	1743.8	*1874.9*	1560.8	763.1	448.9	60.6
85°	23.5	26.0	102.7	202.8	387.1	489.8	*513.3*	505.8	486.1	348.8	23.5
87.5°	0.0	0.0	45.8	73.0	97.7	111.3	*97.7*	127.4	268.4	235.0	12.4
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: P323042
CATALOG NUMBER: GLEON-SA8B-830-U-T4W-HSS

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	2643.0	2643.0	2643.0	2643.0	2643.0	2643.0	2643.0	2643.0	2643.0	2643.0	2643.0
2.5°	2645.5	2623.2	2584.8	2542.8	2513.1	2482.2	2457.5	2446.3	2434.0	2425.3	2436.4
5°	2640.5	2597.2	2523.0	2451.3	2399.3	2357.3	2322.7	2309.0	2295.4	2285.6	2284.3
7.5°	2683.8	2623.2	2509.4	2404.3	2323.9	2267.0	2220.0	2200.2	2184.1	2176.7	2170.5
10°	2766.7	2688.7	2536.6	2399.3	2295.4	2199.0	2097.6	2019.6	1968.9	1945.4	1936.8
12.5°	2874.3	2776.5	2588.6	2425.3	2274.4	2088.9	1873.7	1688.2	1568.2	1528.6	1505.1
15°	3000.4	2879.2	2656.6	2458.7	2197.7	1858.9	1494.0	1251.6	1140.3	1118.0	1093.3
17.5°	3121.6	2988.0	2738.2	2464.9	2029.5	1485.4	1094.5	930.1	886.8	901.6	905.3
20°	3228.0	3095.6	2818.6	2410.5	1724.1	1114.3	847.2	806.4	822.5	850.9	855.8
22.5°	3335.6	3199.5	2892.8	2267.0	1333.2	846.0	763.1	773.0	789.1	817.5	822.5
25°	3466.7	3325.7	2962.1	2003.6	1000.5	719.8	724.7	739.6	755.7	781.6	784.1
27.5°	3617.6	3485.2	3007.8	1661.0	742.1	661.7	677.7	700.0	716.1	740.8	745.8
30°	3817.9	3695.5	3022.7	1306.0	622.1	609.7	617.1	644.4	667.9	690.1	693.8
32.5°	4005.9	3903.2	2973.2	985.7	576.3	561.5	561.5	577.6	604.8	625.8	630.8
35°	4179.0	4112.3	2814.9	721.0	541.7	517.0	504.6	504.6	521.9	539.2	544.2
37.5°	4407.8	4405.4	2558.9	575.1	508.3	479.9	453.9	434.1	427.9	431.6	434.1
40°	4799.9	4803.6	2224.9	515.7	479.9	441.5	402.0	366.1	332.7	321.6	320.3
42.5°	5412.1	5356.4	1874.9	487.3	455.1	402.0	342.6	294.4	242.4	226.3	225.1
45°	6384.2	6054.0	1503.9	461.3	429.2	357.4	283.2	217.7	175.6	163.3	163.3
47.5°	7800.3	6970.4	1165.0	432.9	394.5	306.7	214.0	157.1	128.6	122.4	123.7
50°	9264.6	7868.3	892.9	397.0	352.5	253.5	158.3	113.8	97.7	97.7	98.9
52.5°	10563.3	8526.3	696.3	358.7	300.5	199.1	120.0	89.0	81.6	80.4	81.6
55°	11779.0	8950.5	533.0	314.1	238.7	148.4	91.5	73.0	68.0	65.5	64.3
57.5°	12951.5	9160.8	399.5	253.5	173.1	107.6	73.0	61.8	56.9	53.2	51.9
60°	13731.9	8990.1	274.6	186.8	120.0	77.9	60.6	53.2	47.0	43.3	42.1
62.5°	14172.1	8523.8	176.9	134.8	85.3	58.1	48.2	44.5	35.9	32.2	32.2
65°	13994.0	7754.5	123.7	96.5	61.8	43.3	35.9	35.9	26.0	21.0	19.8
67.5°	12401.1	6551.2	94.0	71.7	44.5	32.2	27.2	30.9	16.1	9.9	9.9
69°	*10669.6*	*5429.4*	*80.4*	*59.4*	*37.1*	*26.0*	*23.5*	*28.4*	*11.1*	*7.4*	*6.2*
70°	9273.3	4683.6	73.0	51.9	30.9	22.3	21.0	27.2	11.1	6.2	4.9
72.5°	5548.1	2612.1	55.7	37.1	19.8	17.3	17.3	30.9	11.1	6.2	4.9
75°	2242.3	920.2	40.8	26.0	14.8	14.8	21.0	39.6	9.9	4.9	3.7
77.5°	508.3	201.6	23.5	16.1	9.9	14.8	24.7	30.9	6.2	2.5	0.0
80°	123.7	49.5	14.8	9.9	6.2	11.1	18.6	17.3	1.2	0.0	0.0
82.5°	40.8	17.3	6.2	4.9	1.2	3.7	8.7	4.9	0.0	0.0	0.0
85°	17.3	9.9	2.5	1.2	0.0	0.0	1.2	0.0	0.0	0.0	0.0
87.5°	11.1	3.7	0.0	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

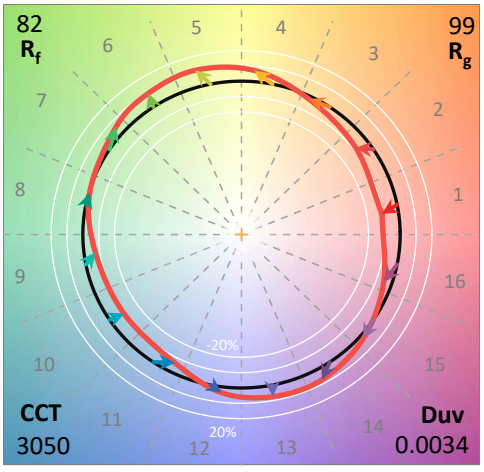
Test Information

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

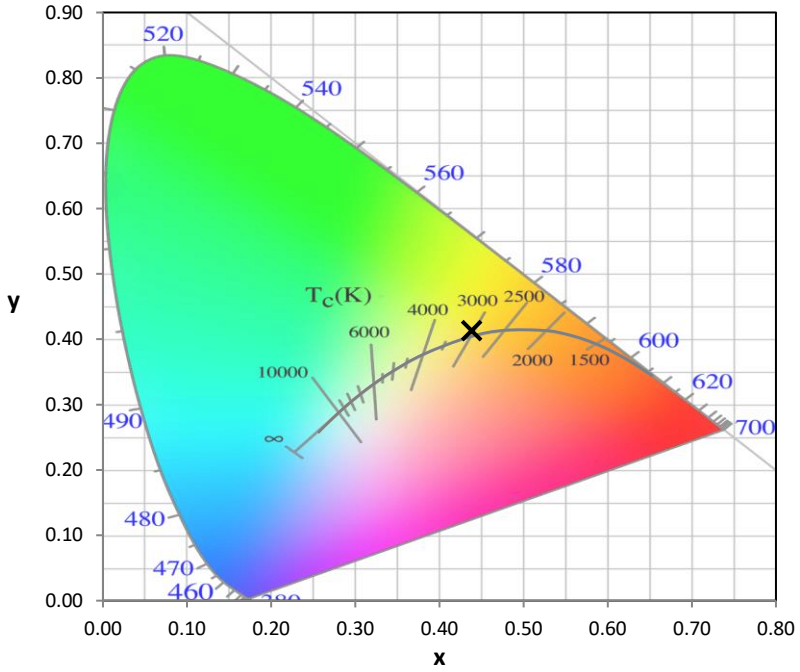
Stabilization Time:	20M
Operation Time:	1H 20M
Sphere Temperature (°C):	24.2

REPORT NUMBER: SP1-2408-195-9

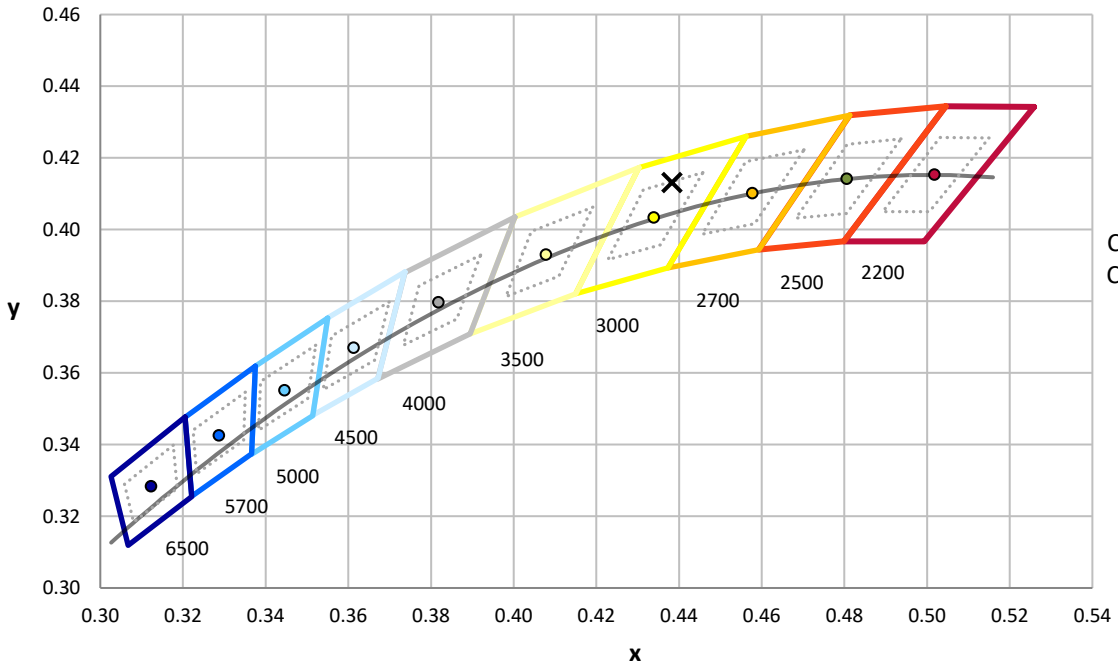
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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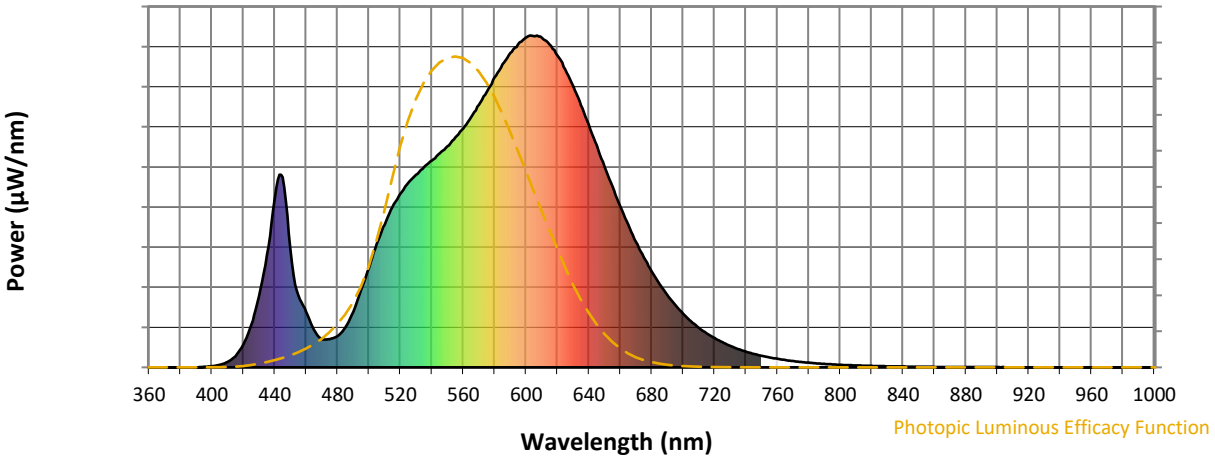
Photopic Flux vs. Wavelength



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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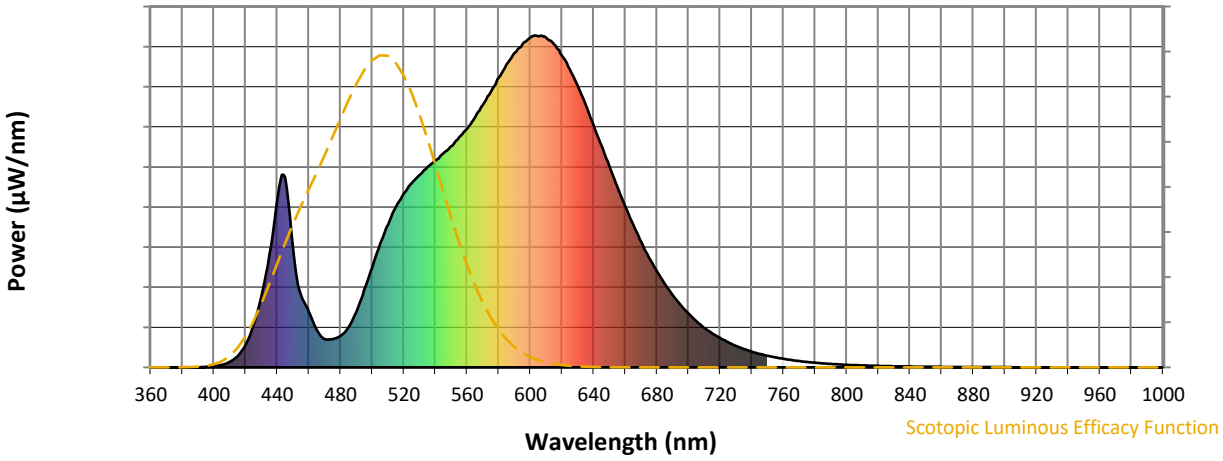
Scotopic Flux vs. Wavelength



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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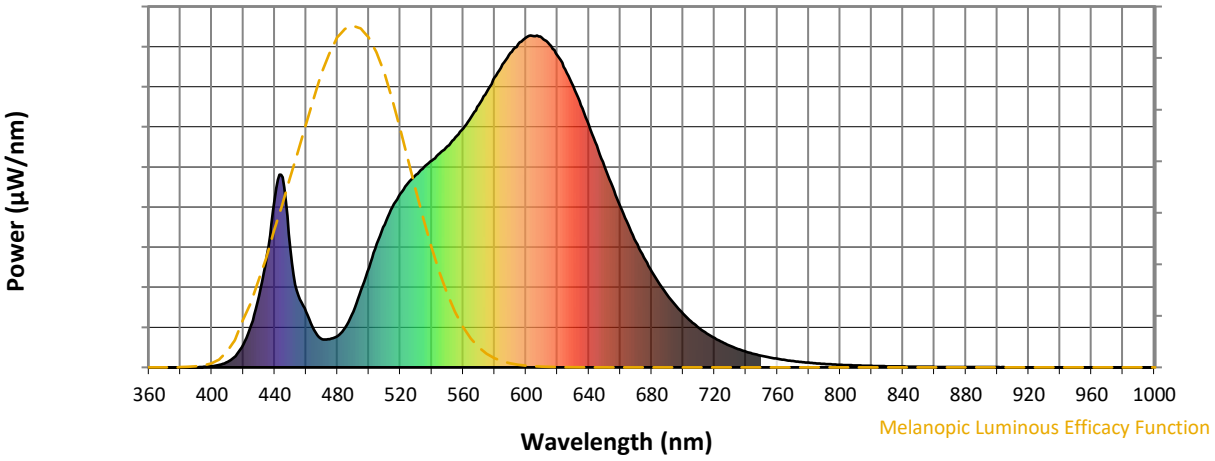
Melanopic Flux vs. Wavelength



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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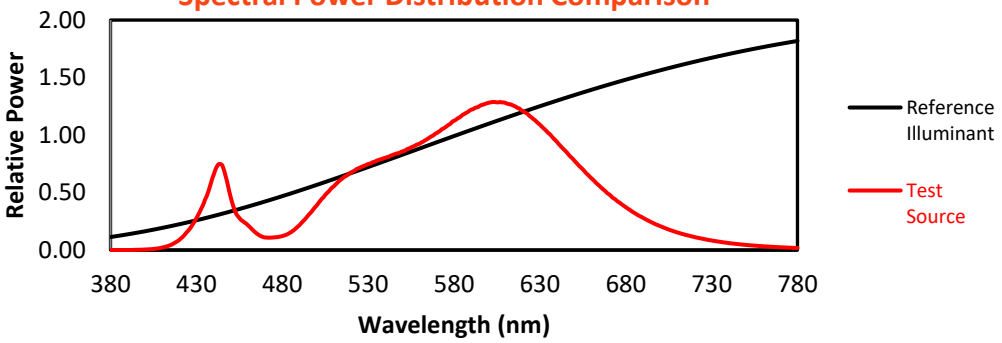
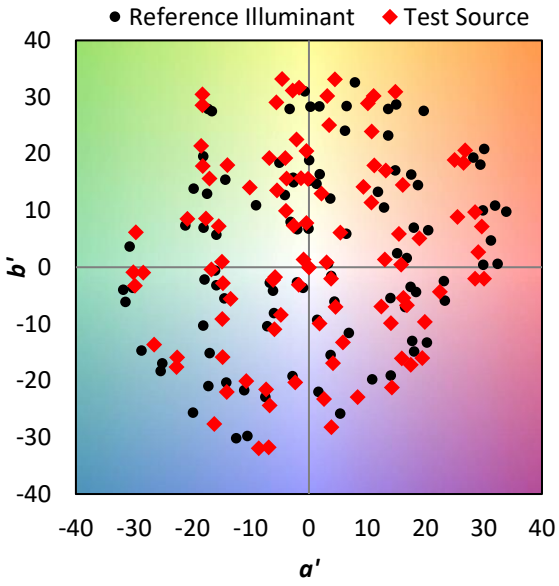
Summary

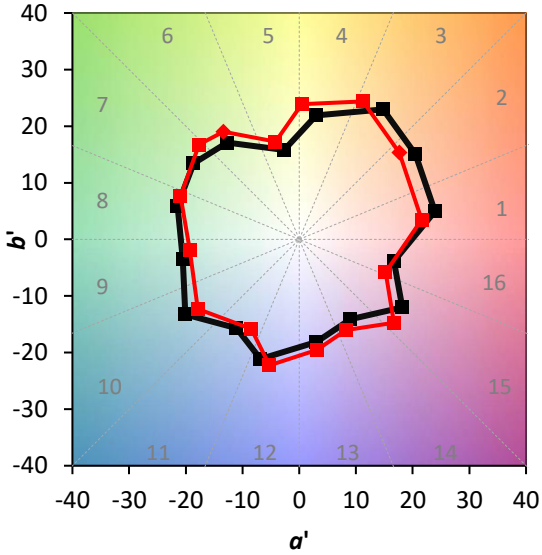
R_f = 81.5
R_g = 99.2
CIE R_a = 81.0
R_9 = 7.1

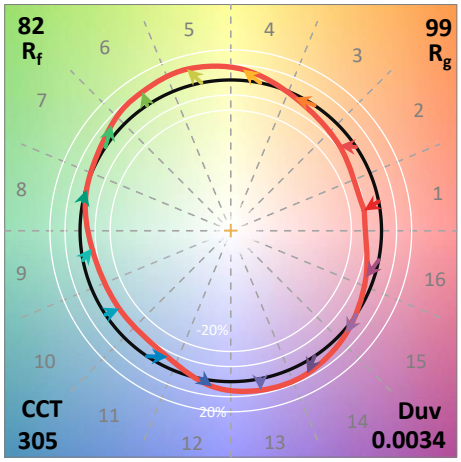
Spectral Power Distribution Comparison

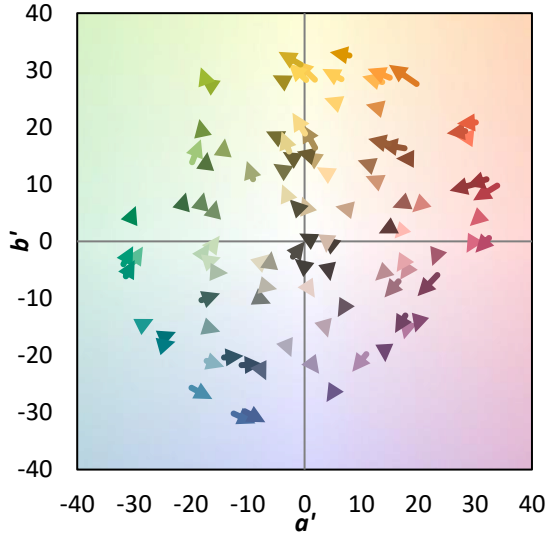


Color Vector Graphics









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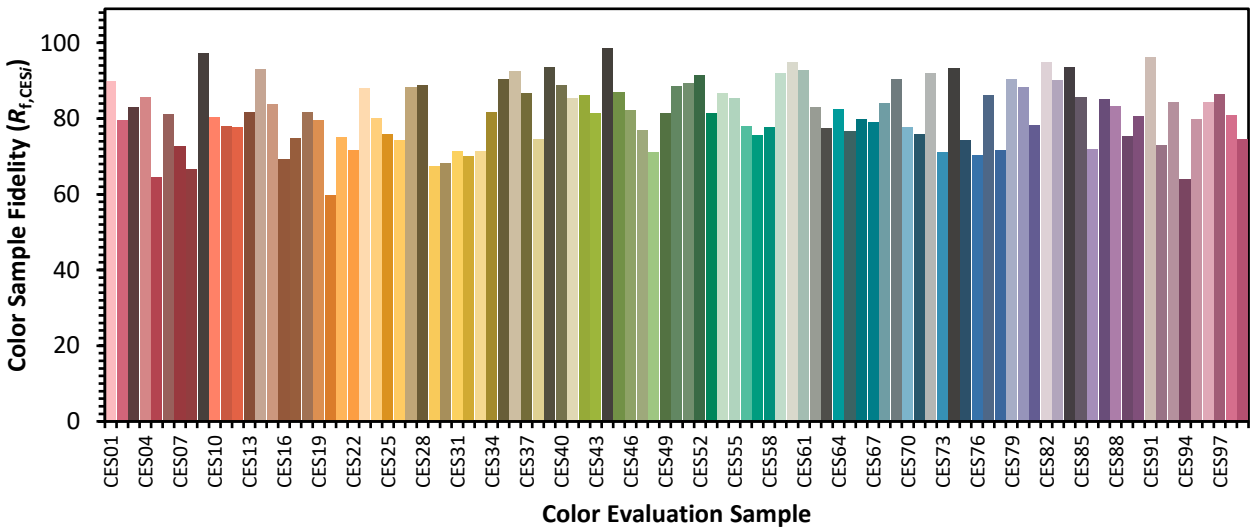
Individual Sample Fidelity Index ($R_{f,i}$)

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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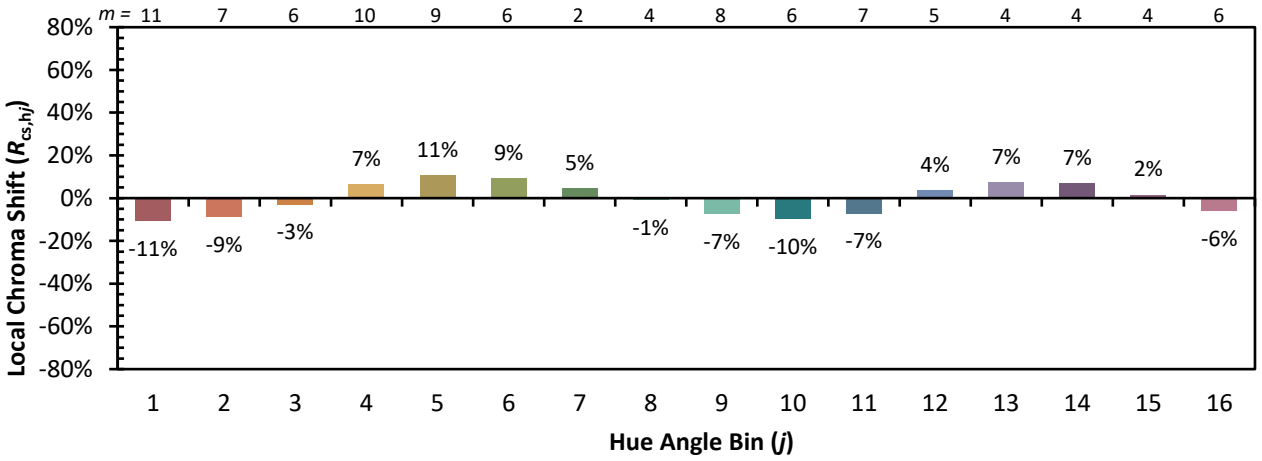
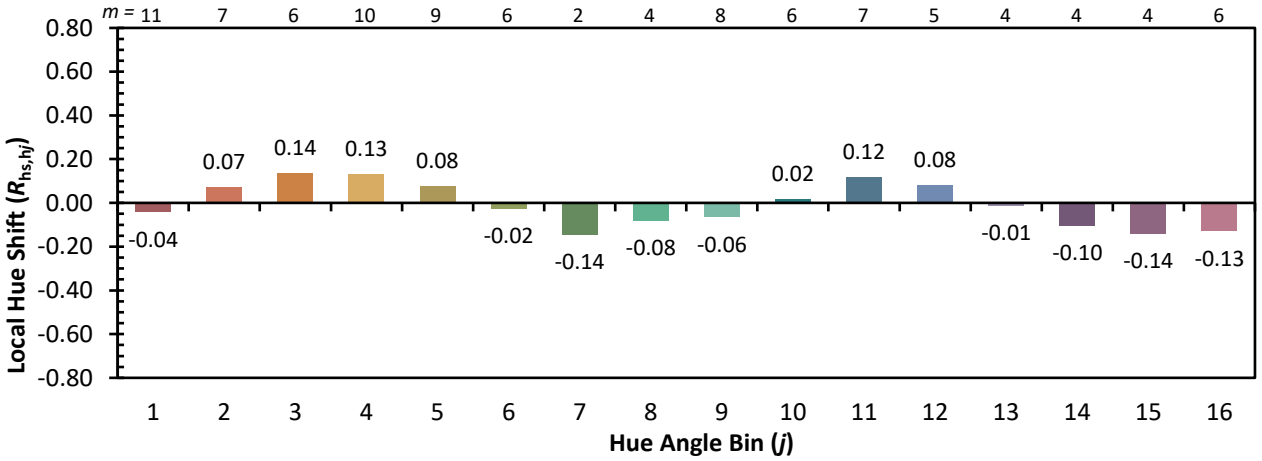
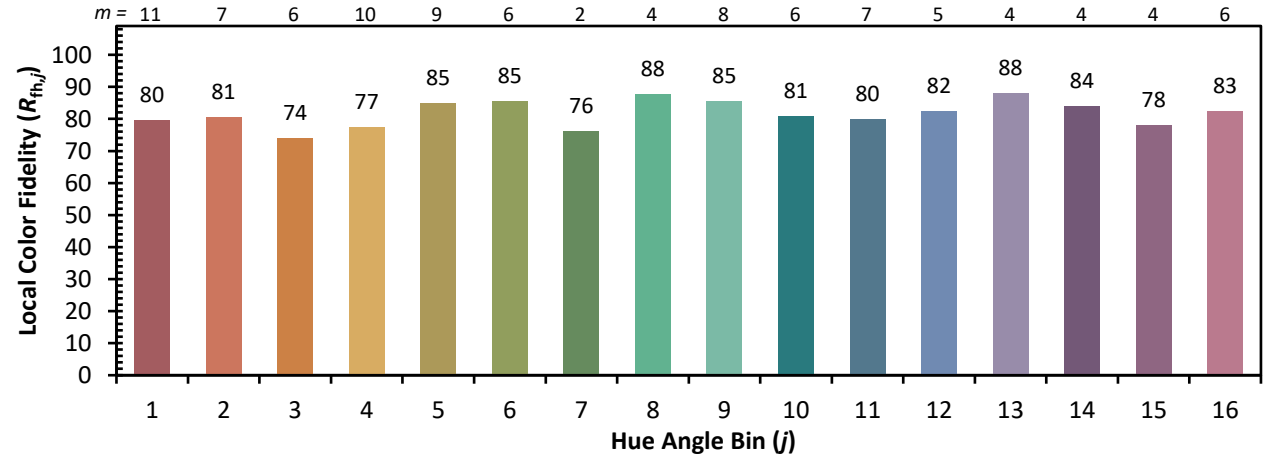
Color Rendition by Hue-Angle Bin







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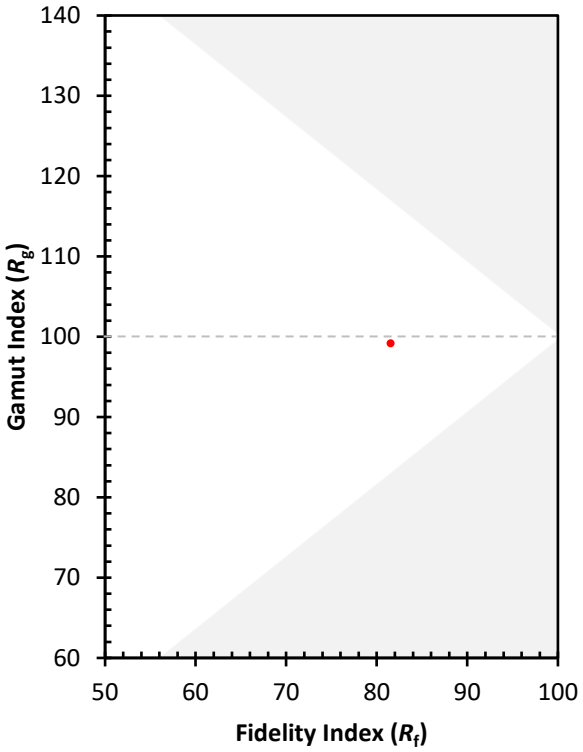
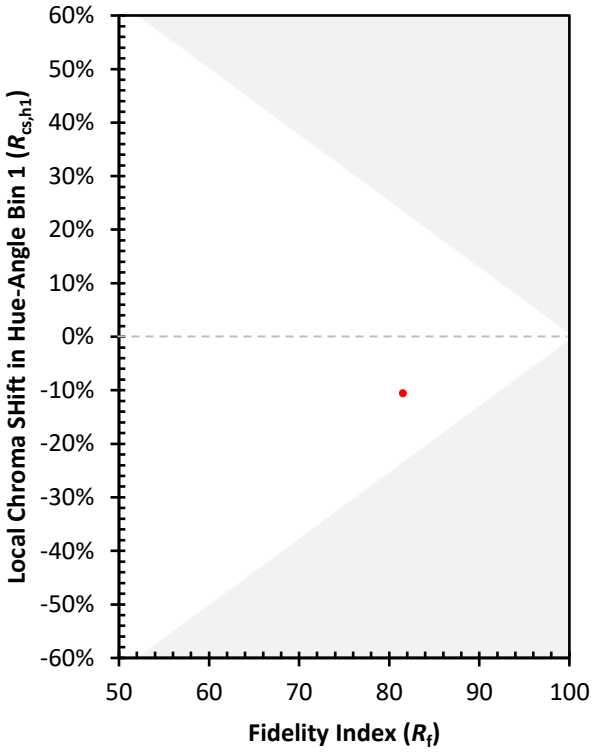
Measure Comparisons





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