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: P322722

Luminaire Tested: **GLEON-SA8B-830-U-T4FT-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:	P322722
	TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-17)
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-T4FT-HSS
Description:	GALLEON AREA AND ROADWAY LUMINAIRE
	(8) 80 CRI, 3000K, 800mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE IV FORWARD THROW OPTICS WITH HOUSE SIDE SHIELD
Light Source:	-
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	25845 lumens
Efficiency:	N/A
Efficacy:	77.4 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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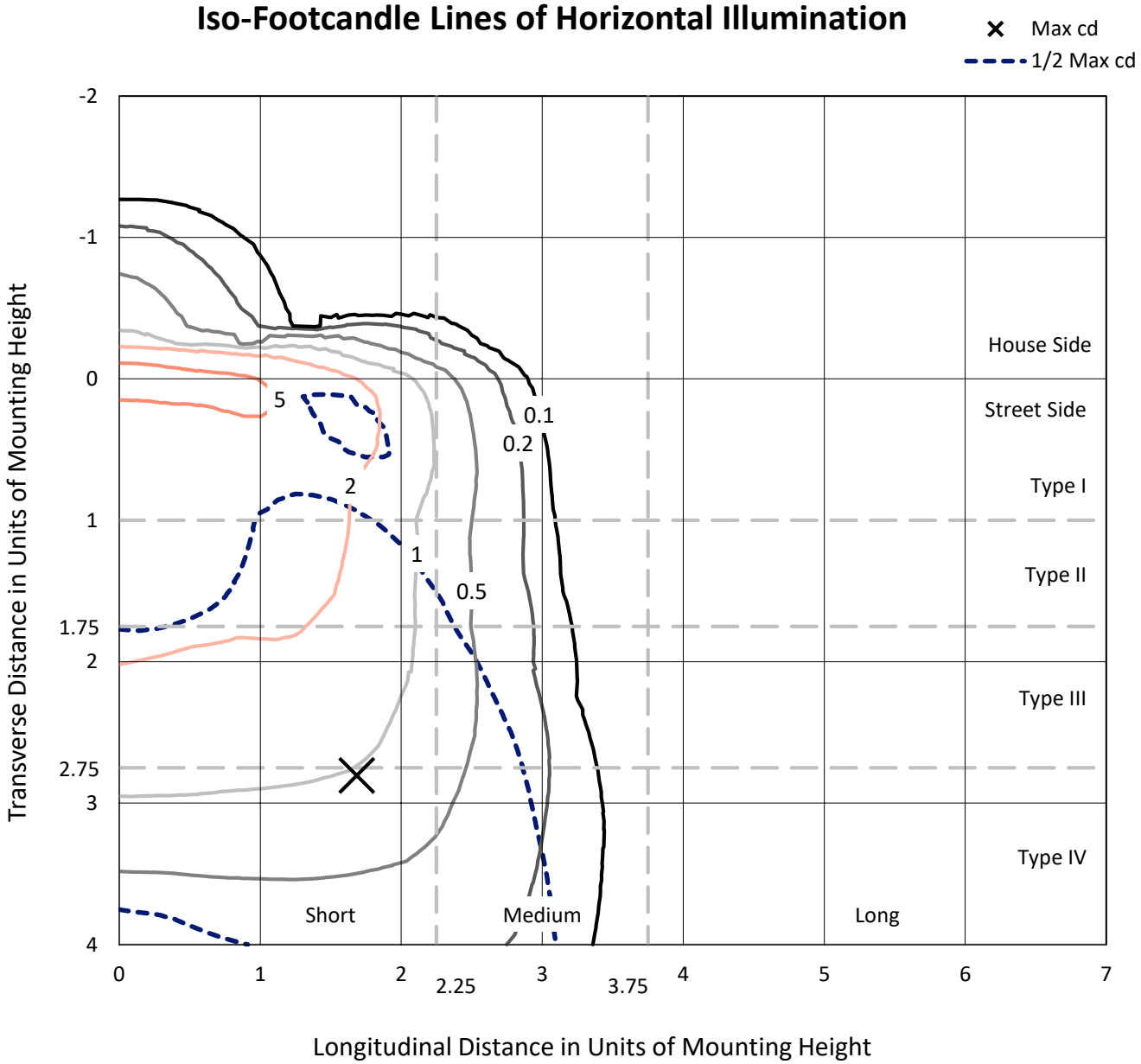
Scaled Data Report

REPORT NUMBER: P322722
CATALOG NUMBER: GLEON-SA8B-830-U-T4FT-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: P322722
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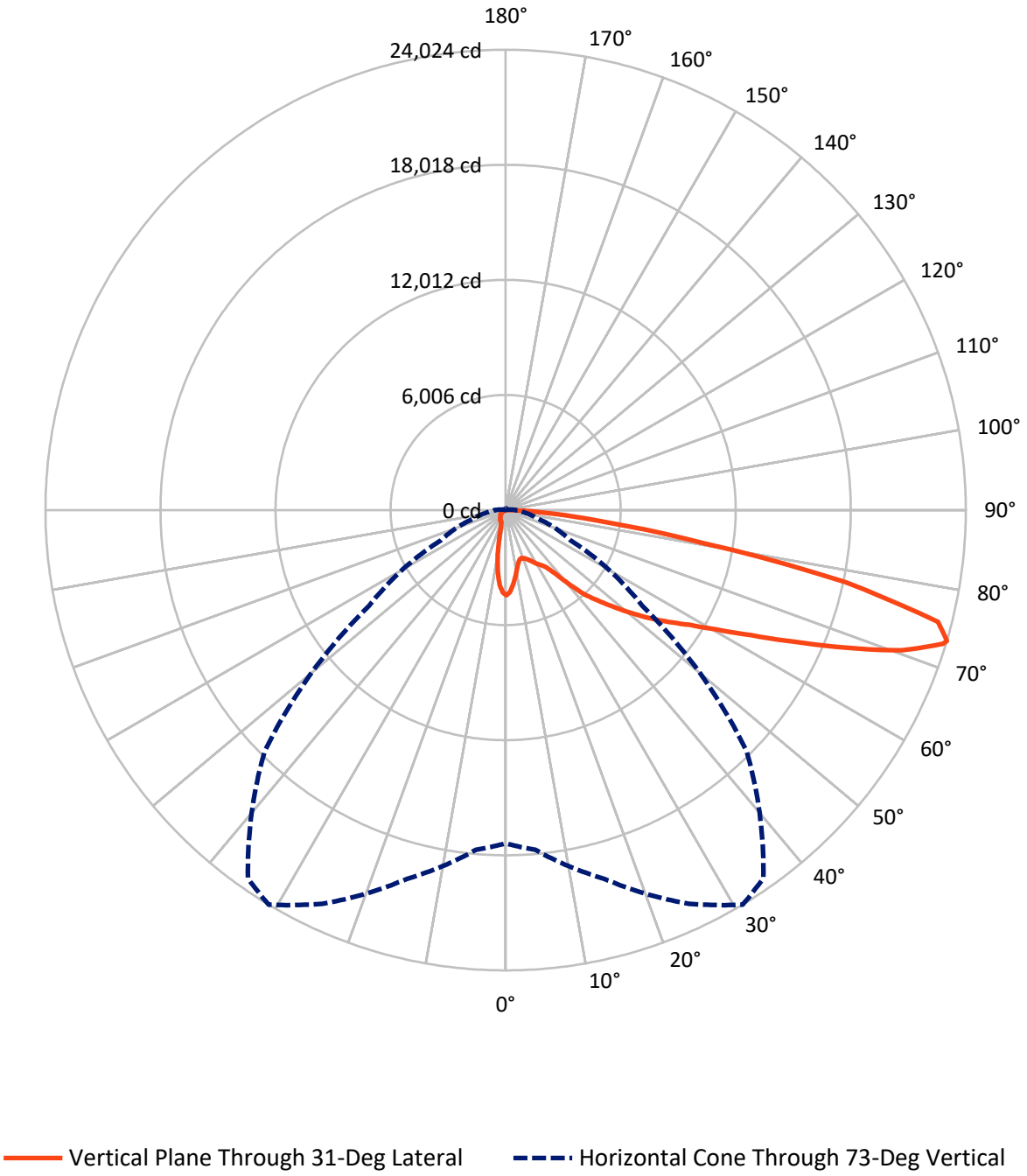
Luminous Intensity Polar Plot



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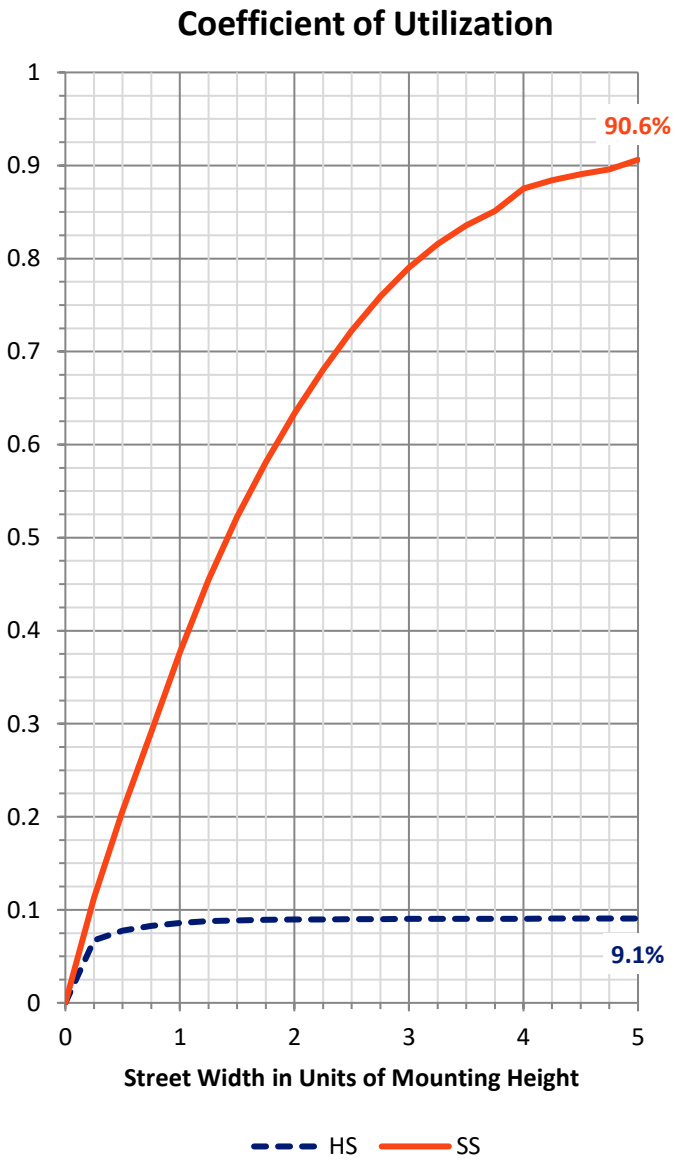
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2355.9	0.0	2355.9
	% Fixture	9.1	0.0	9.1
Street Side	Lumens	23489.1	0.0	23489.1
	% Fixture	90.9	0.0	90.9
Total	Lumens	25845.0	0.0	25845.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	368.7	1.4
10°-20°	800.5	3.1
20°-30°	1199.4	4.6
30°-40°	1908.3	7.4
40°-50°	3407.7	13.2
50°-60°	5287.8	20.5
60°-70°	7029.4	27.2
70°-80°	5287.5	20.5
80°-90°	555.6	2.1
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°	25845.0	100.0
0°-180°	25845.0	100.0



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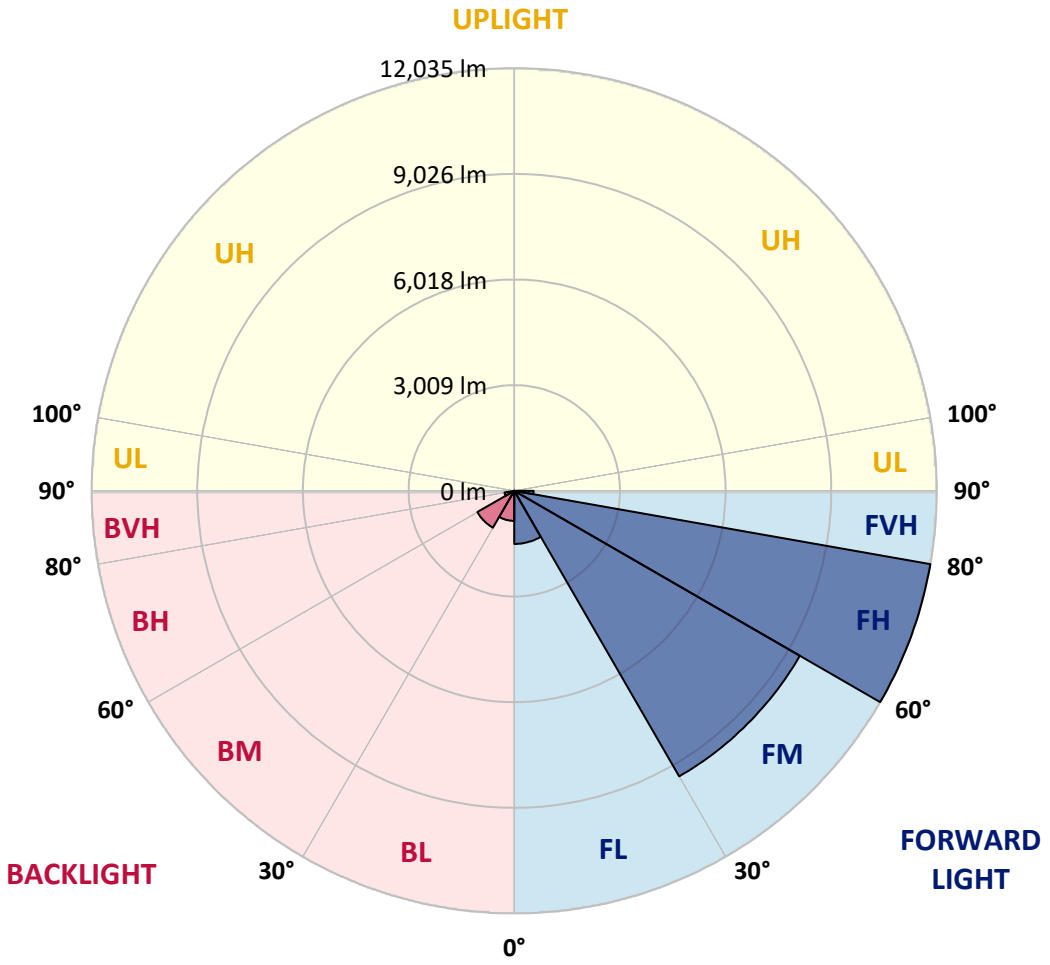
CATALOG NUMBER: GLEON-SA8B-830-U-T4FT-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	1512.0	5.9			
FM	(30°-60°)	9391.2	36.3			
FH	(60°-80°)	12035.1	46.6			G5
FVH	(80°-90°)	550.9	2.1			G4/750
BL	(0°-30°)	856.7	3.3	B2/1000		
BM	(30°-60°)	1212.6	4.7	B2/2500		
BH	(60°-80°)	281.9	1.1	B1/500		G1/500
BVH	(80°-90°)	4.7	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: P322722
CATALOG NUMBER: GLEON-SA8B-830-U-T4FT-HSS

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	31°	35°	45°	55°	65°	75°	85°
0°	4446.7	4446.7	4446.7	4446.7	4446.7	4446.7	4446.7	4446.7	4446.7	4446.7	4446.7
2.5°	4214.0	4231.7	4250.7	4254.5	4286.1	4287.3	4332.9	4367.0	4401.2	4434.0	4445.4
5°	3781.5	3810.5	3844.7	3878.8	3945.9	3972.4	4083.7	4197.5	4306.3	4410.0	4460.6
7.5°	3319.8	3352.7	3400.8	3485.5	3560.1	3612.0	3787.8	3990.1	4192.5	4383.5	4493.5
10°	2898.7	2929.0	2979.6	3069.4	3184.5	3255.3	3491.8	3772.6	4069.8	4359.4	4542.8
12.5°	2630.6	2647.0	2674.8	2771.0	2874.7	2954.3	3232.6	3580.4	3968.6	4358.2	4622.5
15°	2581.3	2586.3	2563.5	2606.5	2687.5	2764.6	3046.7	3424.8	3891.5	4378.4	4726.2
17.5°	2659.7	2657.1	2581.3	2576.2	2640.7	2703.9	2955.6	3317.3	3837.1	4425.2	4860.2
20°	2778.5	2769.7	2638.2	2614.1	2682.4	2741.9	2949.3	3276.8	3816.9	4503.6	5023.4
22.5°	2936.6	2921.5	2715.3	2690.0	2763.4	2825.3	3027.7	3316.0	3834.6	4608.6	5213.1
25°	3132.7	3109.9	2848.1	2820.3	2894.9	2956.9	3168.1	3428.6	3887.7	4736.3	5453.4
27.5°	3354.0	3321.1	3060.6	2988.5	3073.2	3137.7	3355.2	3600.6	3971.2	4871.6	5748.1
30°	3562.7	3519.7	3284.4	3165.5	3269.2	3341.3	3557.6	3805.5	4105.2	5080.3	6151.5
32.5°	3772.6	3724.5	3484.2	3342.6	3436.2	3514.6	3766.3	4087.5	4356.9	5399.0	6687.7
35°	4255.7	4205.1	3910.5	3676.5	3675.2	3719.5	4058.4	4473.2	4689.5	5842.9	7327.7
37.5°	5068.9	5039.8	4759.1	4315.2	4196.3	4147.0	4456.8	4933.6	5167.6	6453.8	8049.8
40°	5959.3	5934.0	5619.1	5216.9	5036.0	4914.6	5028.4	5574.8	5842.9	7199.9	8787.1
42.5°	6964.7	6844.6	6283.0	6162.9	6001.0	5908.7	5806.2	6365.2	6672.6	8011.9	9518.1
45°	7877.8	7675.5	6947.0	6764.9	6728.2	6751.0	6807.9	7427.6	7605.9	8976.8	10246.6
47.5°	8421.6	8262.3	7703.3	7528.8	7518.6	7669.1	8099.1	8627.8	8535.5	9817.9	10887.8
50°	8938.9	8794.7	8330.6	8373.6	8420.4	8625.3	9564.9	9862.1	9384.1	10580.5	11475.9
52.5°	9357.5	9137.5	8894.6	9136.2	9366.4	9696.5	11077.5	10970.0	9986.1	11187.5	11979.2
55°	9599.1	9499.2	9616.8	9859.6	10292.1	10828.4	12505.4	11892.0	10426.2	11741.5	12314.4
57.5°	10484.4	10288.3	10522.3	10732.2	11296.3	12046.3	13728.3	12578.7	10743.6	12084.2	12391.5
60°	11555.6	11397.5	11535.3	11884.4	12645.7	13527.2	14871.6	13139.0	10909.3	12304.3	12191.7
62.5°	13260.4	13051.7	12965.7	13356.5	14365.7	15328.2	15739.2	13527.2	10872.6	12206.9	11506.2
65°	15544.4	15328.2	14943.7	15297.8	16581.5	17260.6	16709.2	13609.4	10619.7	11419.0	9773.6
67.5°	17884.1	17727.3	17398.5	17995.4	19153.9	19372.7	17734.9	13409.6	9805.2	9258.9	6905.3
70°	19429.6	19362.6	19576.3	20896.6	21929.9	21866.7	18675.8	12335.9	7642.6	5693.7	3416.0
72.5°	18315.4	18636.6	20215.0	22609.0	23871.2	23355.2	18192.7	9472.6	4368.3	2190.5	987.7
73°	17392.2	17803.2	19927.9	22673.5	24024.2	23458.9	17786.7	8694.8	3723.3	1728.8	748.7
75°	12099.4	12604.0	16498.0	21116.7	23308.4	22351.0	14826.1	5321.9	1725.1	766.4	302.3
77.5°	5874.5	6247.6	9084.3	15257.3	18126.9	17463.0	9229.8	1983.0	779.1	479.3	139.1
80°	2193.0	2438.3	3943.3	7765.3	10475.5	10750.0	4059.7	750.0	518.5	385.7	70.8
82.5°	574.2	639.9	1454.4	3462.7	5368.7	5619.1	1279.9	378.1	379.4	317.4	43.0
85°	183.4	209.9	454.0	1554.3	2529.4	2220.8	333.9	183.4	275.7	236.5	24.0
87.5°	22.8	29.1	144.2	365.5	557.7	309.9	51.9	54.4	117.6	131.5	13.9
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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REPORT NUMBER: P322722
CATALOG NUMBER: GLEON-SA8B-830-U-T4FT-HSS

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	4446.7	4446.7	4446.7	4446.7	4446.7	4446.7	4446.7	4446.7	4446.7	4446.7	4446.7
2.5°	4456.8	4450.5	4451.7	4418.9	4397.4	4354.4	4310.1	4289.9	4268.4	4259.5	4268.4
5°	4479.6	4468.2	4435.3	4334.1	4226.6	4087.5	3957.2	3858.6	3734.7	3700.5	3735.9
7.5°	4515.0	4492.2	4396.1	4190.0	3950.9	3685.3	3386.9	3169.3	2991.0	2875.9	2917.7
10°	4566.8	4523.8	4330.3	3980.0	3552.5	3082.1	2658.4	2328.3	2094.3	1998.2	1994.4
12.5°	4654.1	4573.2	4249.4	3706.8	3065.6	2438.3	1883.1	1525.2	1335.5	1212.8	1210.3
15°	4750.2	4631.3	4147.0	3379.3	2499.0	1746.6	1212.8	940.9	818.3	779.1	774.0
17.5°	4867.8	4698.4	4014.2	2975.8	1905.9	1157.2	791.7	713.3	708.2	704.4	704.4
20°	5015.8	4778.0	3843.4	2514.2	1352.0	772.7	672.8	677.9	680.4	675.3	676.6
22.5°	5187.8	4859.0	3639.8	2018.5	914.4	646.3	643.7	650.1	652.6	650.1	651.3
25°	5387.6	4952.6	3391.9	1498.7	660.2	613.4	619.7	628.6	634.9	634.9	634.9
27.5°	5635.5	5066.4	3093.5	1045.9	570.4	579.2	596.9	613.4	622.2	624.8	624.8
30°	5958.0	5208.0	2735.5	717.1	518.5	533.7	566.6	598.2	614.6	617.2	618.4
32.5°	6365.2	5367.4	2320.7	529.9	474.3	485.6	521.1	574.2	605.8	610.9	610.9
35°	6831.9	5552.0	1874.3	461.6	442.6	446.4	474.3	535.0	590.6	604.5	605.8
37.5°	7342.8	5734.1	1425.3	431.3	416.1	416.1	436.3	488.2	553.9	596.9	602.0
40°	7819.6	5844.2	999.1	407.2	392.1	392.1	409.8	447.7	509.7	574.2	588.1
42.5°	8259.8	5882.1	695.6	384.5	369.3	373.1	388.3	418.6	465.4	529.9	542.6
45°	8712.5	5875.8	507.1	357.9	346.5	357.9	369.3	392.1	426.2	462.9	465.4
47.5°	9054.0	5822.7	402.2	332.6	325.0	340.2	350.3	365.5	384.5	381.9	381.9
50°	9374.0	5693.7	323.8	298.5	303.5	321.2	326.3	331.4	332.6	308.6	306.1
52.5°	9616.8	5492.6	259.3	261.8	282.0	299.7	294.7	287.1	274.4	245.4	240.3
55°	9697.7	5105.6	203.6	216.3	250.4	273.2	254.2	237.8	213.7	189.7	184.6
57.5°	9551.0	4606.0	165.7	168.2	211.2	230.2	208.7	189.7	163.1	142.9	139.1
60°	9239.9	4050.8	136.6	126.5	163.1	179.6	165.7	146.7	122.7	107.5	106.2
62.5°	8622.7	3459.0	112.6	98.6	123.9	137.9	129.0	115.1	94.9	84.7	83.5
65°	7325.1	2767.2	91.1	79.7	96.1	107.5	99.9	89.8	74.6	67.0	65.8
67.5°	5113.2	1870.5	74.6	65.8	75.9	84.7	78.4	73.4	59.4	58.2	59.4
70°	2466.2	901.7	62.0	53.1	59.4	65.8	63.2	59.4	56.9	65.8	75.9
72.5°	707.0	302.3	49.3	44.3	48.1	51.9	54.4	53.1	62.0	79.7	92.3
73°	*543.8*	*244.1*	*46.8*	*41.7*	*45.5*	*50.6*	*53.1*	*51.9*	*63.2*	*80.9*	*92.3*
75°	232.7	117.6	35.4	34.1	37.9	44.3	46.8	46.8	63.2	82.2	88.5
77.5°	105.0	63.2	22.8	26.6	32.9	35.4	39.2	39.2	50.6	63.2	63.2
80°	59.4	34.1	17.7	20.2	24.0	24.0	24.0	21.5	22.8	25.3	27.8
82.5°	37.9	22.8	13.9	16.4	15.2	12.6	10.1	10.1	8.9	10.1	12.6
85°	21.5	12.6	12.6	10.1	6.3	5.1	6.3	5.1	1.3	0.0	1.3
87.5°	12.6	7.6	3.8	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

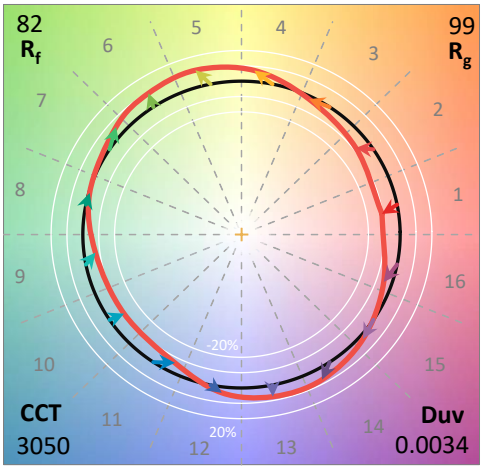
Test Information

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

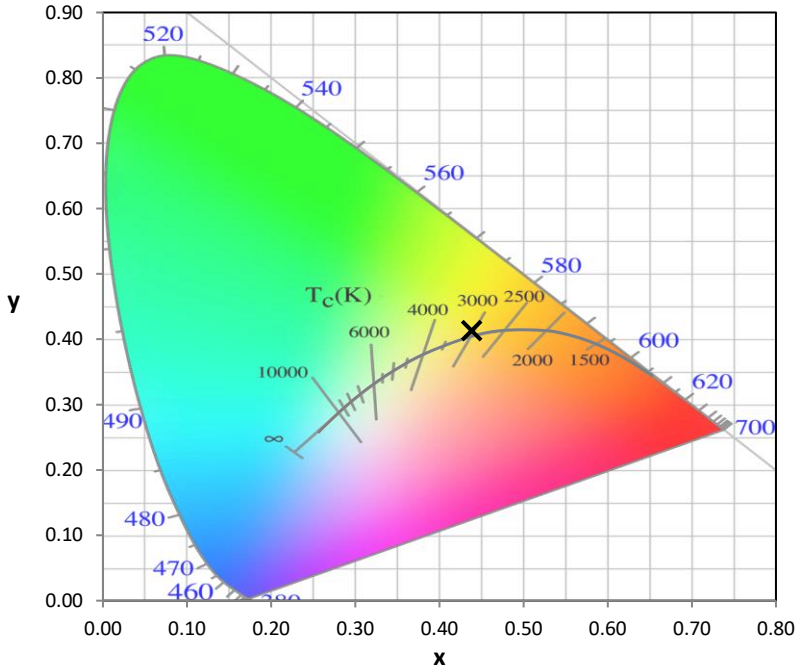
Stabilization Time:	20M
Operation Time:	1H 20M
Sphere Temperature (°C):	24.2

REPORT NUMBER: SP1-2408-195-9

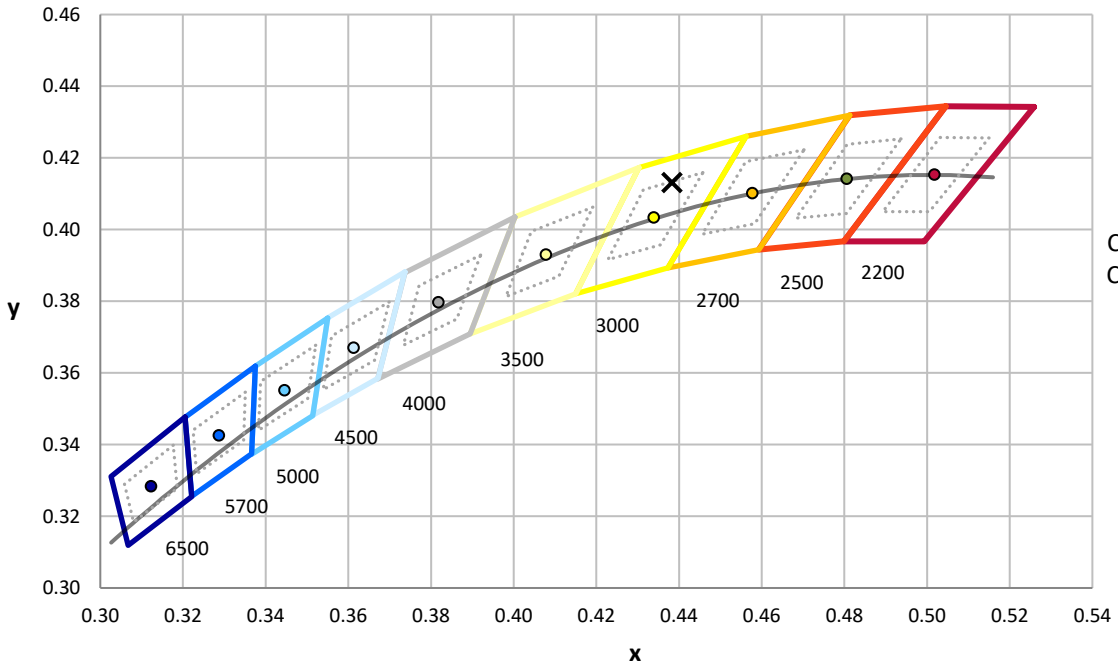
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

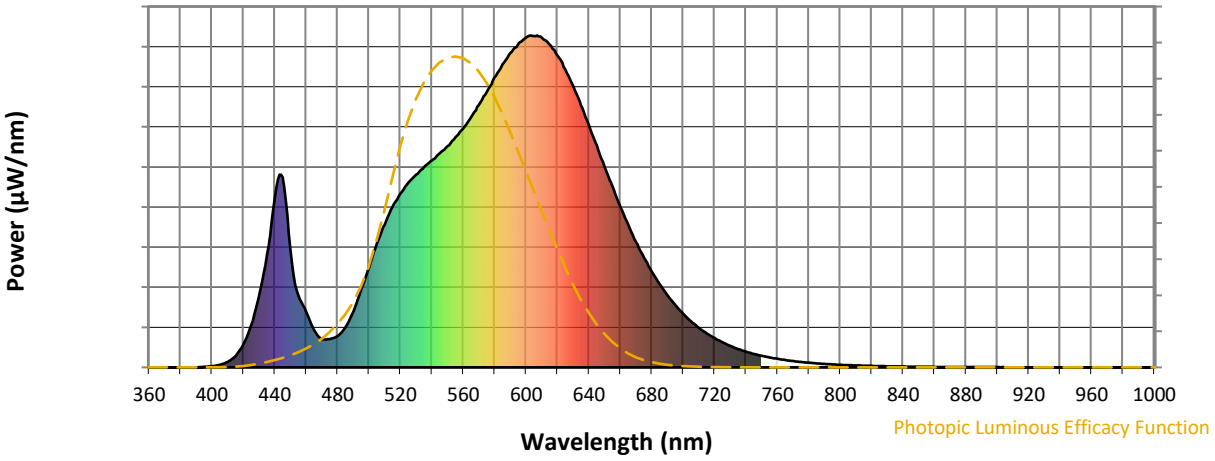


CCT = 3050K
CIE x = 0.4383
CIE y = 0.4131
Duv = 0.0034

Point lies inside the ANSI 3000K 4-step quadrangle

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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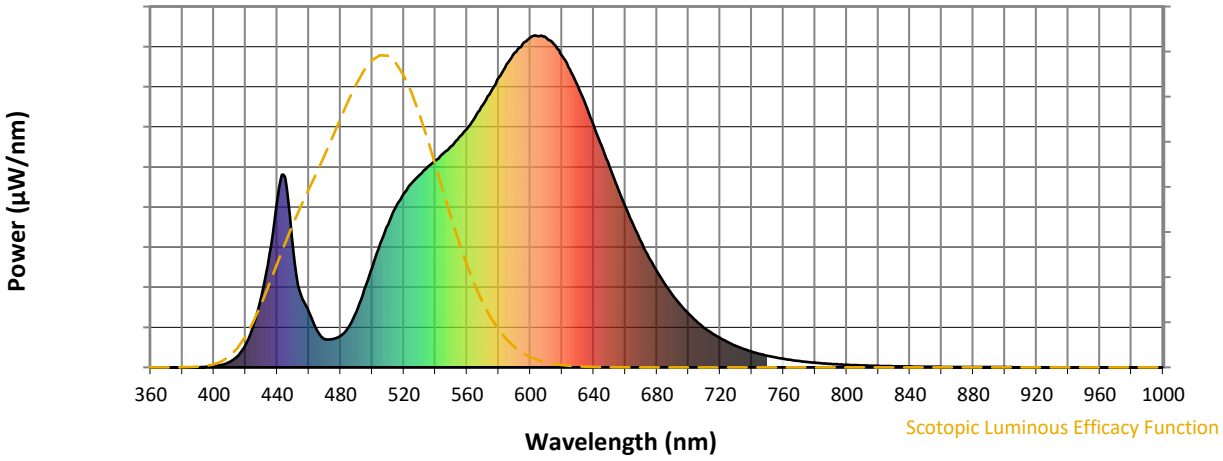
Scotopic Flux vs. Wavelength



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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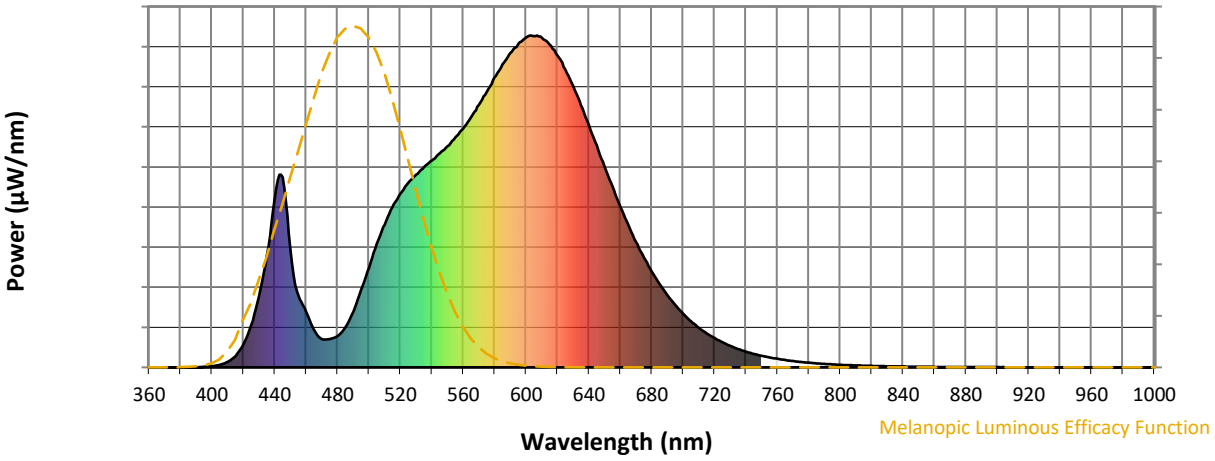
Melanopic Flux vs. Wavelength



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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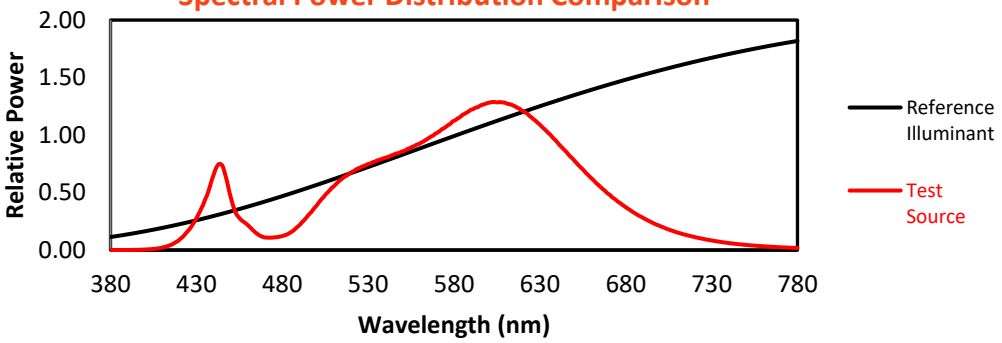
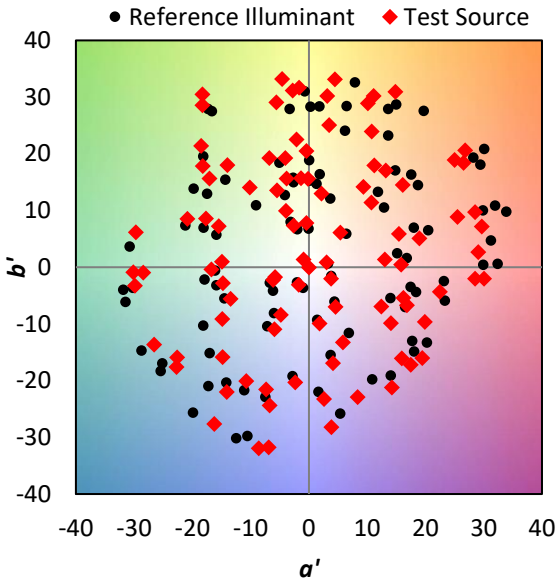
Summary

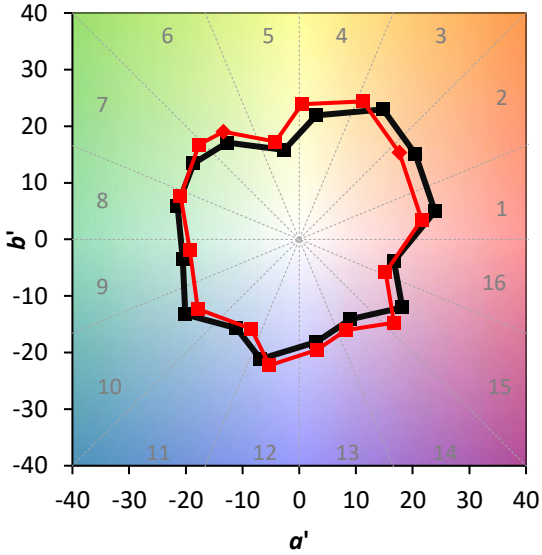
R_f = 81.5
R_g = 99.2
CIE R_a = 81.0
R_9 = 7.1

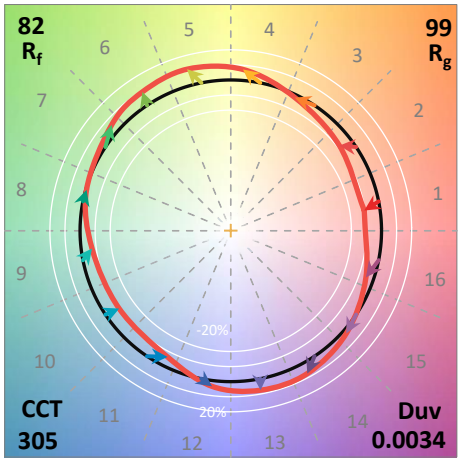
Spectral Power Distribution Comparison

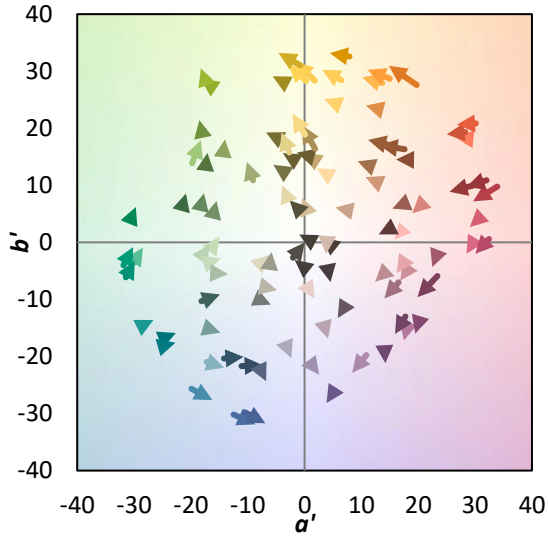


Color Vector Graphics









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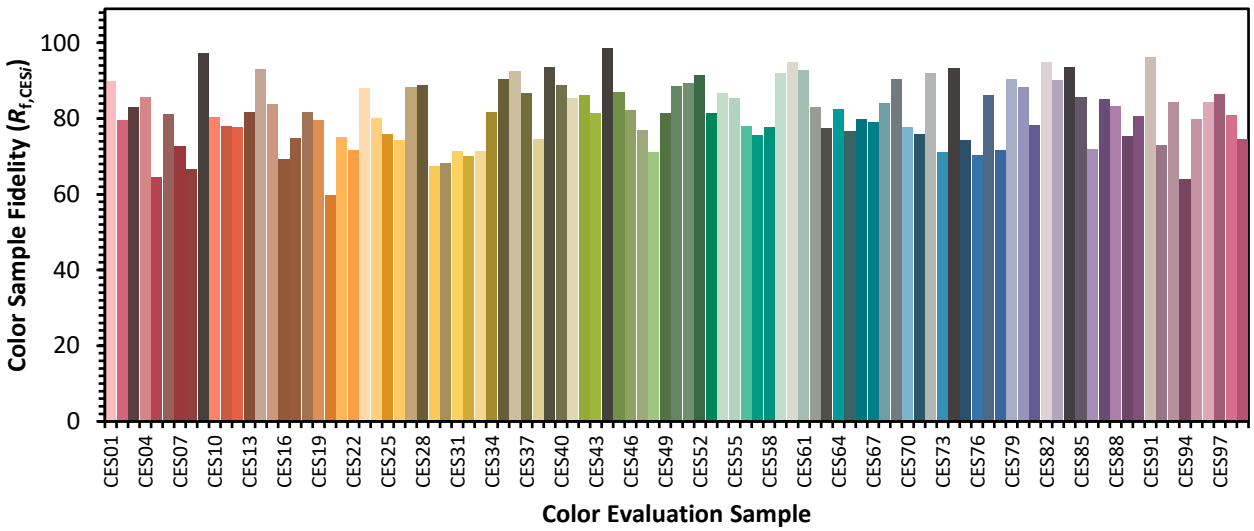
Individual Sample Fidelity Index ($R_{f,i}$)

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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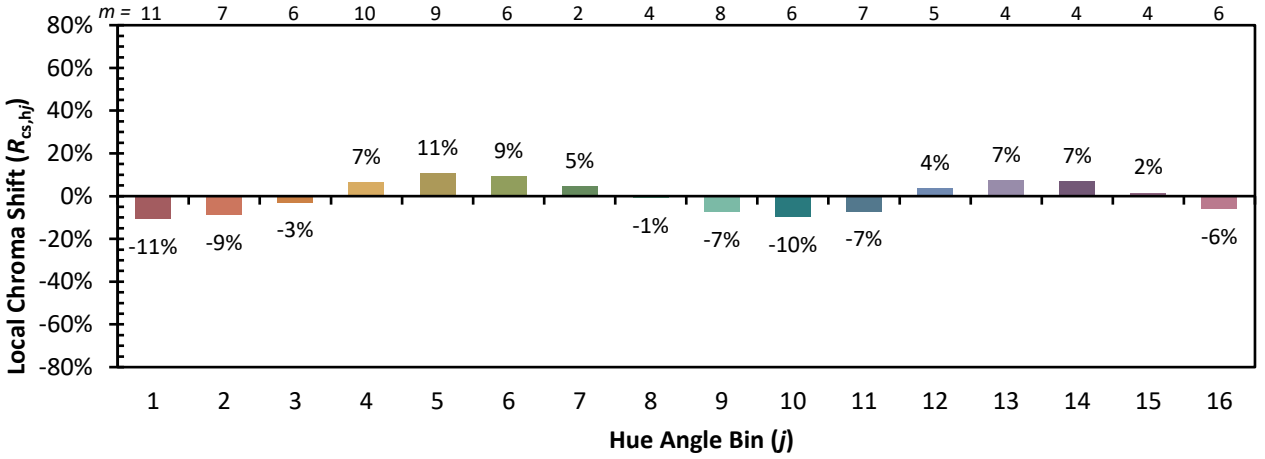
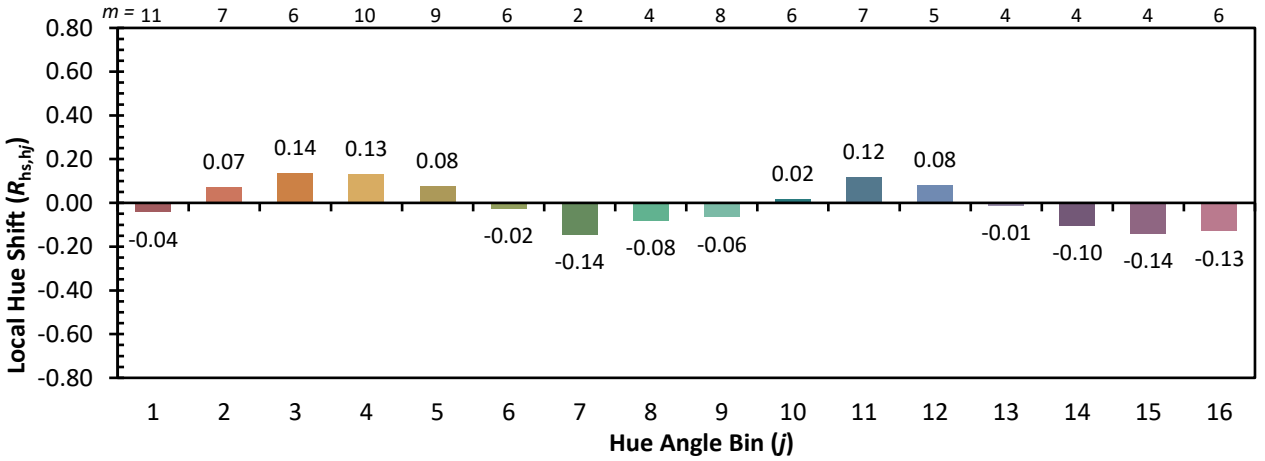
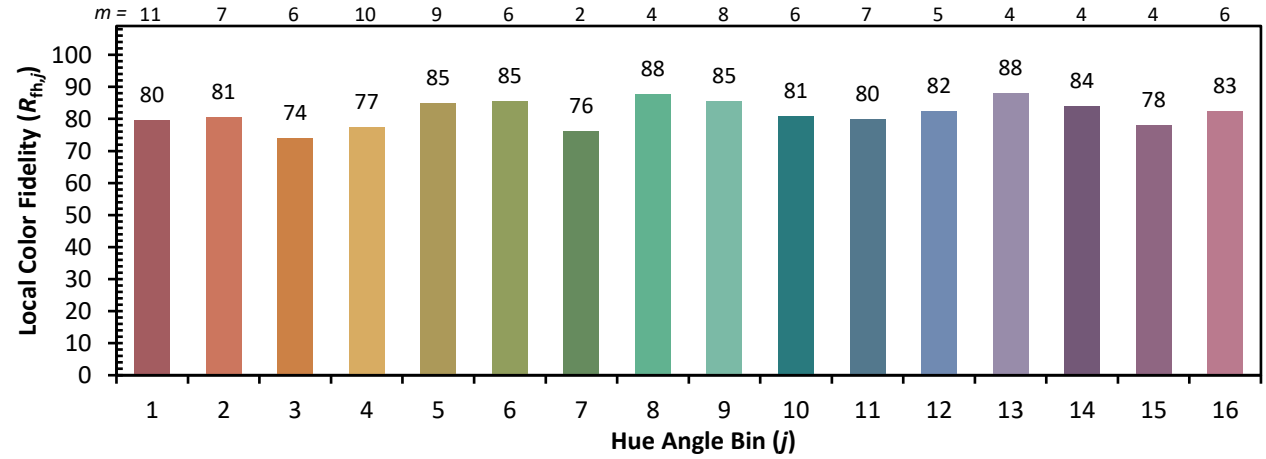
Color Rendition by Hue-Angle Bin







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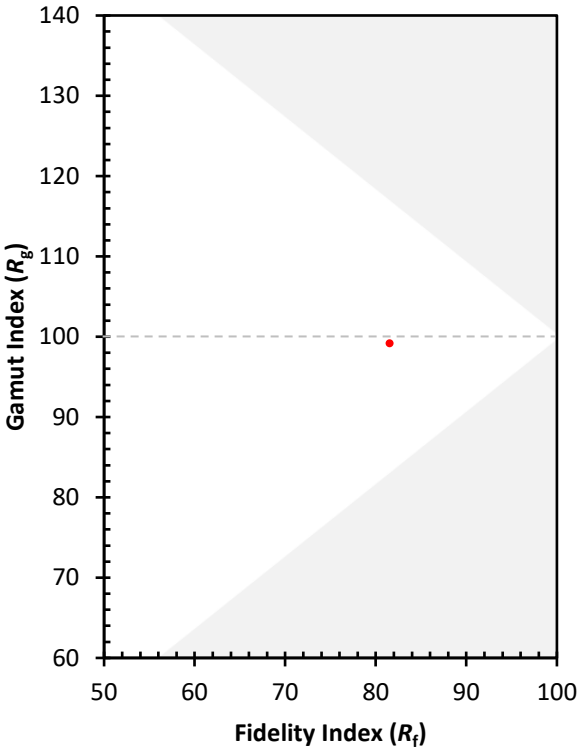
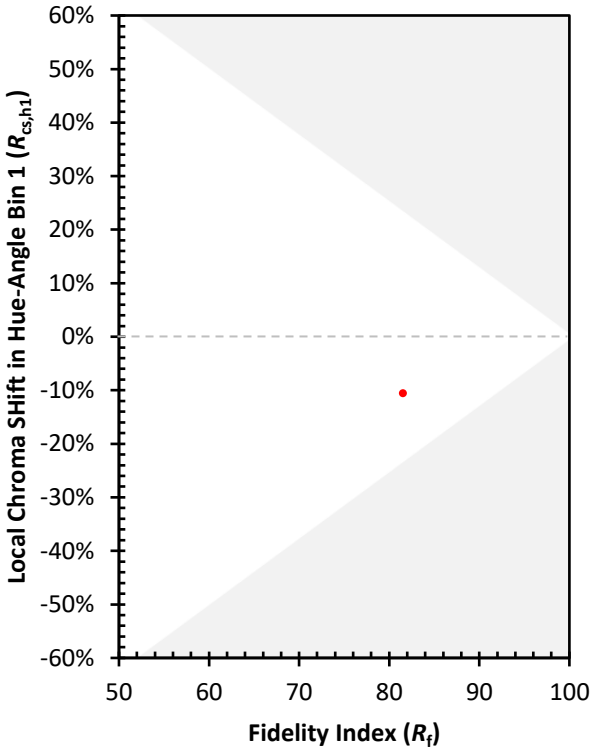
Measure Comparisons





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