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: P323050

Luminaire Tested: **GLEON-SA6C-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:	P323050
	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-SA6C-830-U-T4W-HSS
Description:	GALLEON AREA AND ROADWAY LUMINAIRE
	(6) 80 CRI, 3000K, 1050mA 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:	24365 lumens
Efficiency:	N/A
Efficacy:	73.2 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):	333
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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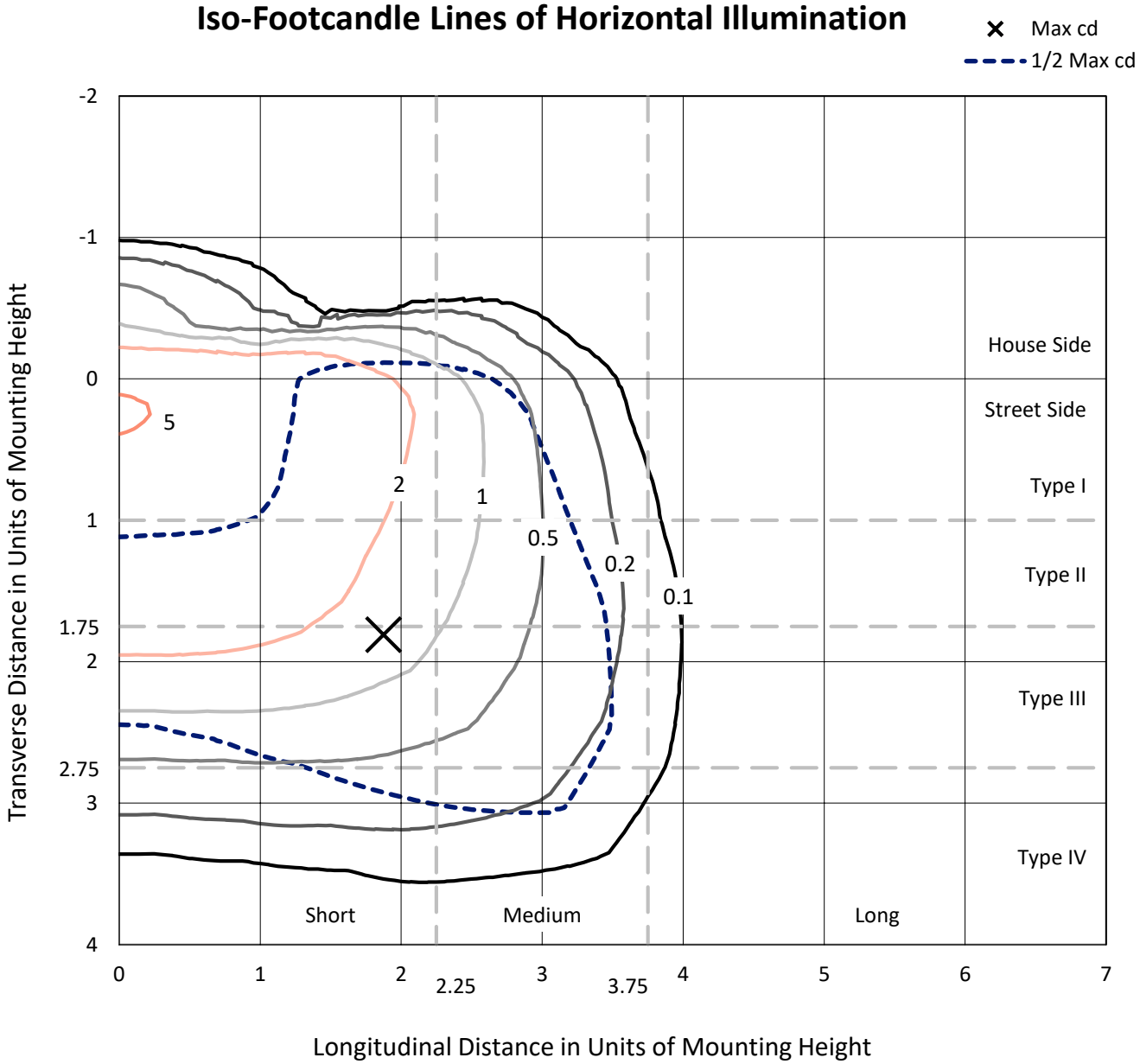
Scaled Data Report

REPORT NUMBER: P323050
CATALOG NUMBER: GLEON-SA6C-830-U-T4W-HSS

Iso-Footcandle Lines of Horizontal Illumination



Based on 25 foot mounting height. Maximum calculated value = 5.7 fc
Type IV - Short - N/A

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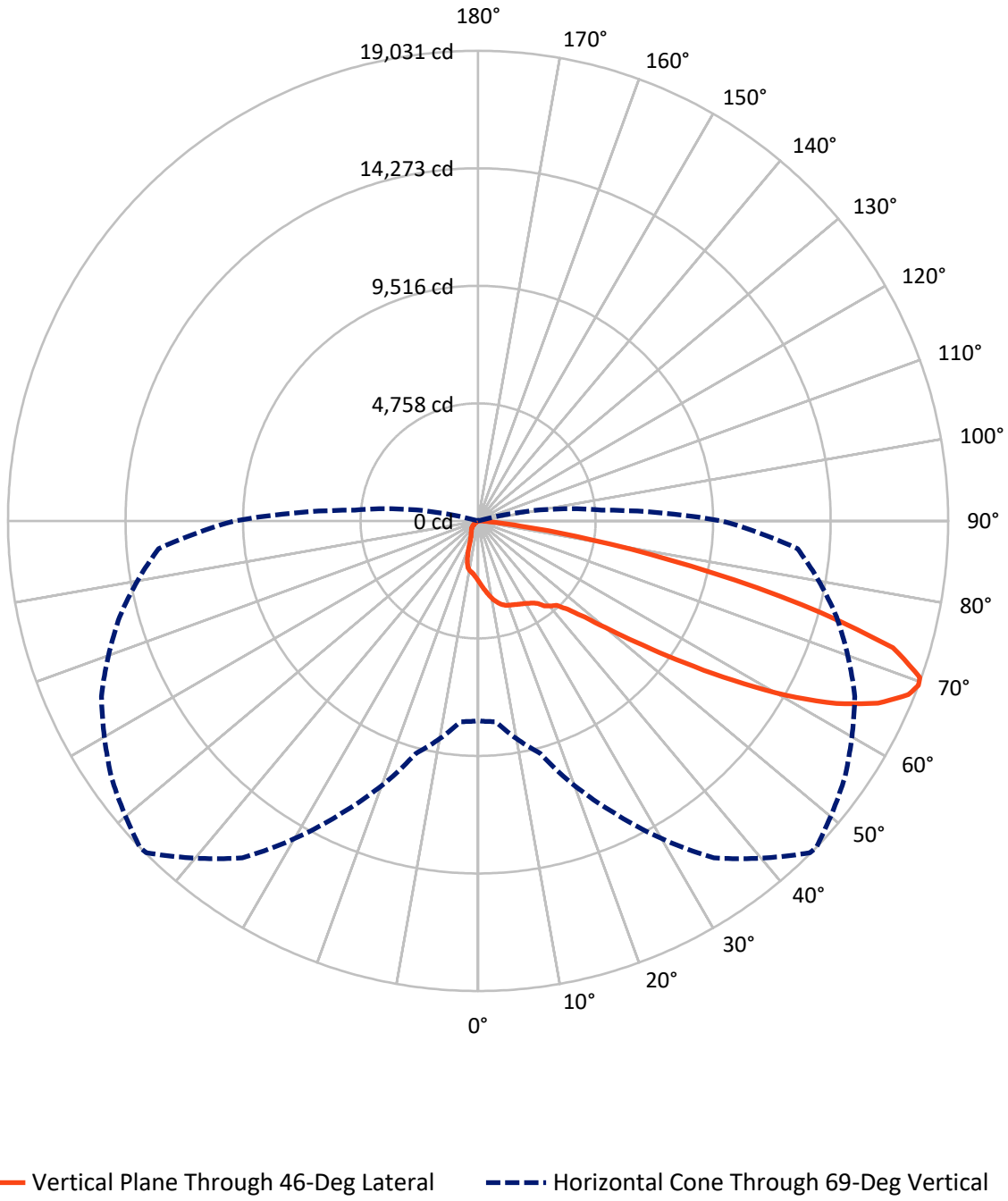
Luminous Intensity Polar Plot



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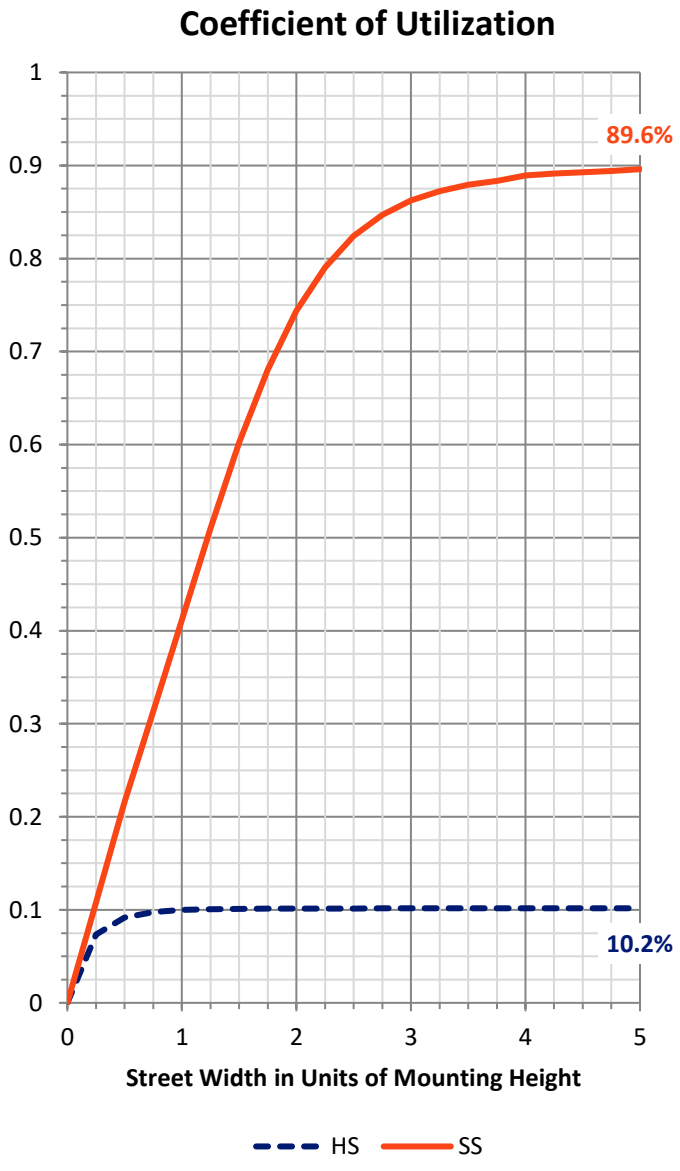
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2500.5	0.0	2500.5
	% Fixture	10.3	0.0	10.3
Street Side	Lumens	21864.5	0.0	21864.5
	% Fixture	89.7	0.0	89.7
Total	Lumens	24365.0	0.0	24365.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	243.0	1.0
10°-20°	737.2	3.0
20°-30°	1159.3	4.8
30°-40°	1662.5	6.8
40°-50°	2873.4	11.8
50°-60°	5676.7	23.3
60°-70°	7933.7	32.6
70°-80°	3832.8	15.7
80°-90°	246.4	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°	24365.0	100.0
0°-180°	24365.0	100.0



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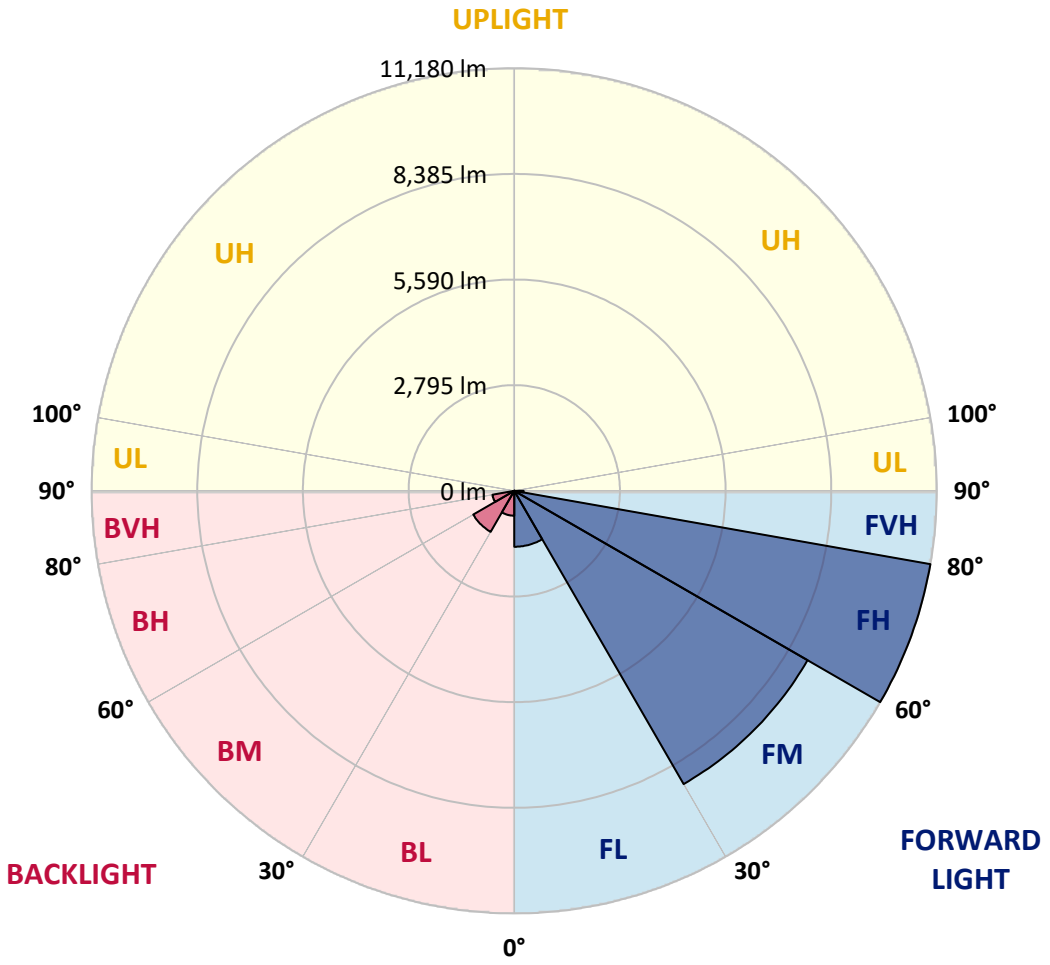
LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	1480.5	6.1			
FM	(30°-60°)	8959.5	36.8			
FH	(60°-80°)	11180.2	45.9			G4/12000
FVH	(80°-90°)	244.3	1.0			G3/500
BL	(0°-30°)	659.0	2.7	B2/1000		
BM	(30°-60°)	1253.1	5.1	B2/2500		
BH	(60°-80°)	586.3	2.4	B2/1000		G2/1000
BVH	(80°-90°)	2.1	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-G4
Type IV Short



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REPORT NUMBER: P323050
CATALOG NUMBER: GLEON-SA6C-830-U-T4W-HSS

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	46°	55°	65°	75°	85°
0°	2441.3	2441.3	2441.3	2441.3	2441.3	2441.3	*2441.3*	2441.3	2441.3	2441.3	2441.3
2.5°	2712.0	2708.6	2692.6	2685.8	2646.9	2624.1	*2614.9*	2586.4	2545.2	2504.1	2458.4
5°	3020.5	3019.3	2989.6	2961.1	2888.0	2819.4	*2806.8*	2740.6	2648.1	2561.2	2474.4
7.5°	3335.8	3320.9	3291.2	3236.4	3130.1	3020.5	*3010.2*	2916.5	2785.1	2659.5	2535.0
10°	3603.1	3594.0	3555.1	3471.7	3347.2	3222.7	*3210.1*	3094.7	2946.2	2792.0	2633.2
12.5°	3811.0	3804.2	3752.7	3648.8	3516.3	3387.2	*3370.0*	3267.2	3108.4	2935.9	2748.6
15°	3937.8	3934.4	3871.6	3760.7	3630.5	3518.6	*3503.7*	3413.5	3266.1	3085.6	2874.2
17.5°	3967.5	3968.7	3903.5	3791.6	3684.2	3604.2	*3592.8*	3524.3	3400.9	3221.5	2999.9
20°	3901.3	3915.0	3856.7	3759.6	3693.3	3651.1	*3641.9*	3600.8	3496.8	3327.8	3100.4
22.5°	3807.6	3814.4	3774.4	3709.3	3681.9	3689.9	*3685.3*	3662.5	3574.5	3419.2	3199.8
25°	3750.5	3750.5	3726.5	3671.6	3689.9	3739.0	*3740.2*	3735.6	3665.9	3531.1	3320.9
27.5°	3748.2	3741.3	3713.9	3672.8	3723.0	3798.4	*3803.0*	3833.9	3790.4	3667.1	3471.7
30°	3839.6	3831.6	3773.3	3719.6	3783.6	3864.7	*3876.1*	3943.5	3921.8	3814.4	3639.6
32.5°	4053.2	4024.6	3895.5	3807.6	3855.6	3952.7	*3967.5*	4074.9	4109.2	3996.1	3801.9
35°	4345.6	4255.4	4069.2	3974.4	3978.9	4080.6	*4094.3*	4252.0	4353.6	4162.9	3927.5
37.5°	4748.9	4704.4	4401.6	4148.0	4168.6	4322.8	*4362.8*	4534.1	4505.6	4254.3	4070.3
40°	5633.1	5563.4	5241.3	4634.7	4350.2	4519.3	*4531.9*	4623.2	4625.5	4461.0	4367.3
42.5°	6837.2	6808.6	6469.3	5517.7	4707.8	4650.7	*4673.5*	4827.7	5000.2	4897.4	4892.8
45°	8170.4	8155.5	7795.7	6689.8	5430.9	5081.3	*5109.9*	5316.7	5646.8	5669.7	5814.8
47.5°	9243.1	9236.2	9029.4	7997.9	6537.9	5811.3	*5820.5*	6039.8	6620.1	6906.9	7138.8
50°	10220.9	10254.1	10090.7	9413.3	8045.8	6954.9	*6933.1*	7079.4	8011.6	8481.1	8769.0
52.5°	11580.4	11627.2	11169.1	10733.9	9628.0	8373.7	*8356.6*	8509.6	9684.0	10035.9	10087.3
55°	12781.0	12701.1	12338.9	12213.3	11557.5	10126.1	*10121.6*	10256.4	11301.6	11451.3	11546.1
57.5°	13311.1	13280.3	13455.0	13742.9	13578.4	12197.3	*12187.0*	12084.2	12749.0	12765.0	13056.3
60°	13645.8	13683.5	14219.3	15106.9	15517.0	14426.1	*14359.8*	13732.6	14131.3	14095.9	14407.8
62.5°	13394.5	13468.7	14432.9	15912.3	16967.9	16371.6	*16277.9*	15242.9	15312.6	15190.3	15480.5
65°	12060.2	12175.6	13755.5	15760.4	17687.6	17892.1	*17797.3*	16576.0	16250.5	16049.4	15888.3
67.5°	9792.5	9861.1	11510.7	14438.6	17363.1	18799.1	*18779.7*	17744.7	16958.7	15904.3	14654.5
69°	*8092.7*	*8160.1*	*9748.0*	*13047.2*	*16649.2*	*18993.3*	*19031.0*	*18119.4*	*16823.9*	*15022.4*	*12984.4*
70°	6854.3	6926.3	8405.7	11854.6	15820.9	18903.1	*18970.5*	18084.0	16437.8	14001.1	11518.7
72.5°	3595.1	3656.8	5175.0	8166.9	12897.6	17357.4	*17561.9*	16555.5	13933.7	10168.4	6810.9
75°	1129.8	1165.2	2020.9	4269.1	8830.7	13496.2	*13543.0*	12986.7	9894.2	5593.1	2836.5
77.5°	430.7	420.4	672.9	1573.1	4464.5	8498.2	*8785.0*	8115.5	5192.2	1977.5	654.6
80°	231.9	233.0	349.6	651.2	1910.1	4367.3	*4609.5*	3933.2	1845.0	616.9	150.8
82.5°	100.5	105.1	196.5	345.0	877.4	1610.8	*1731.9*	1441.7	704.9	414.7	56.0
85°	21.7	24.0	94.8	187.4	357.6	452.4	*474.1*	467.2	449.0	322.2	21.7
87.5°	0.0	0.0	42.3	67.4	90.2	102.8	*90.2*	117.7	247.9	217.1	11.4
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: P323050
CATALOG NUMBER: GLEON-SA6C-830-U-T4W-HSS

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	2441.3	2441.3	2441.3	2441.3	2441.3	2441.3	2441.3	2441.3	2441.3	2441.3	2441.3
2.5°	2443.6	2423.0	2387.6	2348.7	2321.3	2292.8	2269.9	2259.6	2248.2	2240.2	2250.5
5°	2439.0	2399.0	2330.5	2264.2	2216.2	2177.4	2145.4	2132.8	2120.3	2111.1	2110.0
7.5°	2479.0	2423.0	2317.9	2220.8	2146.5	2094.0	2050.6	2032.3	2017.5	2010.6	2004.9
10°	2555.5	2483.6	2343.0	2216.2	2120.3	2031.2	1937.5	1865.5	1818.7	1797.0	1789.0
12.5°	2654.9	2564.7	2391.0	2240.2	2100.9	1929.5	1730.7	1559.4	1448.5	1412.0	1390.3
15°	2771.4	2659.5	2453.8	2271.1	2030.0	1717.0	1380.0	1156.1	1053.3	1032.7	1009.9
17.5°	2883.4	2760.0	2529.2	2276.8	1874.7	1372.0	1011.0	859.1	819.1	832.8	836.2
20°	2981.6	2859.4	2603.5	2226.5	1592.5	1029.3	782.5	744.8	759.7	786.0	790.5
22.5°	3081.0	2955.4	2672.0	2094.0	1231.5	781.4	704.9	714.0	728.8	755.1	759.7
25°	3202.1	3071.9	2736.0	1850.7	924.2	664.9	669.4	683.1	698.0	722.0	724.3
27.5°	3341.5	3219.2	2778.3	1534.2	685.4	611.2	626.0	646.6	661.4	684.3	688.9
30°	3526.5	3413.5	2792.0	1206.4	574.6	563.2	570.1	595.2	616.9	637.5	640.9
32.5°	3700.2	3605.4	2746.3	910.5	532.4	518.6	518.6	533.5	558.6	578.0	582.6
35°	3860.1	3798.4	2600.1	666.0	500.4	477.5	466.1	466.1	482.1	498.1	502.7
37.5°	4071.5	4069.2	2363.6	531.2	469.5	443.2	419.3	401.0	395.3	398.7	401.0
40°	4433.6	4437.0	2055.2	476.4	443.2	407.8	371.3	338.1	307.3	297.0	295.9
42.5°	4999.1	4947.7	1731.9	450.1	420.4	371.3	316.4	271.9	223.9	209.1	207.9
45°	5897.0	5592.0	1389.1	426.1	396.4	330.1	261.6	201.1	162.2	150.8	150.8
47.5°	7205.0	6438.5	1076.1	399.8	364.4	283.3	197.6	145.1	118.8	113.1	114.2
50°	8557.6	7267.9	824.8	366.7	325.6	234.2	146.2	105.1	90.2	90.2	91.4
52.5°	9757.1	7875.6	643.2	331.3	277.6	183.9	110.8	82.3	75.4	74.3	75.4
55°	10880.1	8267.5	492.4	290.2	220.5	137.1	84.5	67.4	62.8	60.5	59.4
57.5°	11963.1	8461.7	369.0	234.2	159.9	99.4	67.4	57.1	52.5	49.1	48.0
60°	12683.9	8304.0	253.6	172.5	110.8	72.0	56.0	49.1	43.4	40.0	38.8
62.5°	13090.6	7873.3	163.4	124.5	78.8	53.7	44.6	41.1	33.1	29.7	29.7
65°	12926.1	7162.8	114.2	89.1	57.1	40.0	33.1	33.1	24.0	19.4	18.3
67.5°	11454.7	6051.2	86.8	66.3	41.1	29.7	25.1	28.6	14.9	9.1	9.1
69°	*9855.4*	*5015.1*	*74.3*	*54.8*	*34.3*	*24.0*	*21.7*	*26.3*	*10.3*	*6.9*	*5.7*
70°	8565.6	4326.2	67.4	48.0	28.6	20.6	19.4	25.1	10.3	5.7	4.6
72.5°	5124.7	2412.7	51.4	34.3	18.3	16.0	16.0	28.6	10.3	5.7	4.6
75°	2071.1	849.9	37.7	24.0	13.7	13.7	19.4	36.6	9.1	4.6	3.4
77.5°	469.5	186.2	21.7	14.9	9.1	13.7	22.8	28.6	5.7	2.3	0.0
80°	114.2	45.7	13.7	9.1	5.7	10.3	17.1	16.0	1.1	0.0	0.0
82.5°	37.7	16.0	5.7	4.6	1.1	3.4	8.0	4.6	0.0	0.0	0.0
85°	16.0	9.1	2.3	1.1	0.0	0.0	1.1	0.0	0.0	0.0	0.0
87.5°	10.3	3.4	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

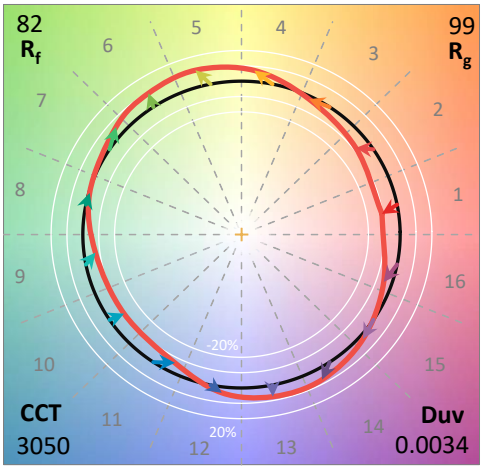
Test Information

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

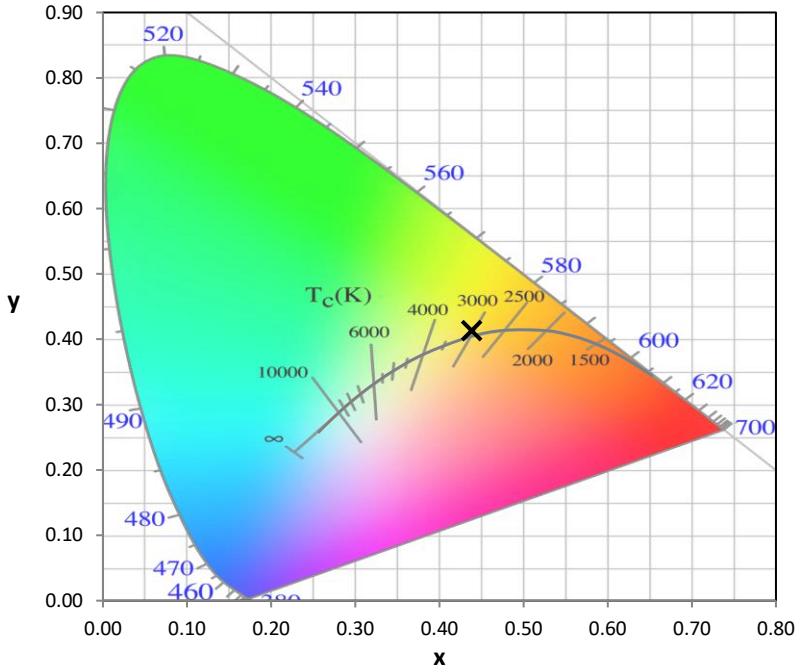
Stabilization Time:	20M
Operation Time:	1H 20M
Sphere Temperature (°C):	24.2

REPORT NUMBER: SP1-2408-195-9

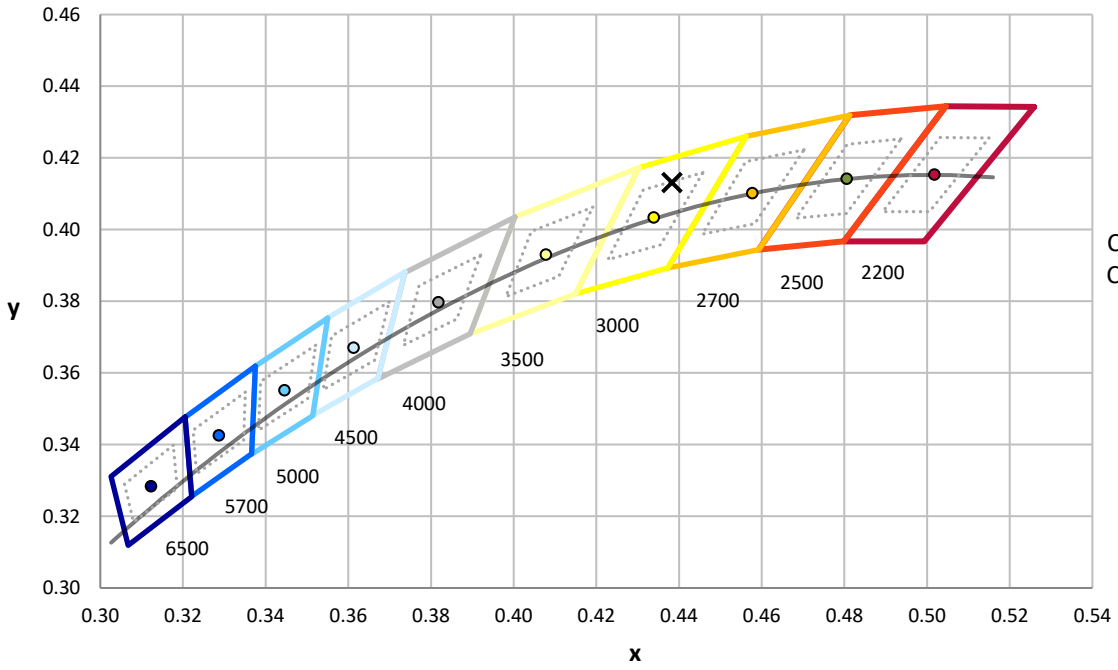
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

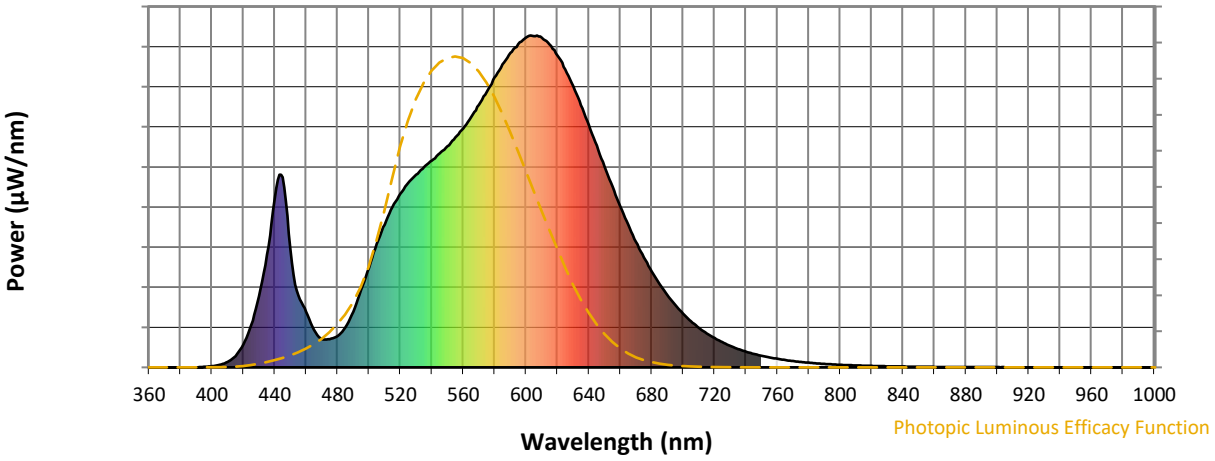


CCT = 3050K
CIE x = 0.4383
CIE y = 0.4131
Duv = 0.0034

Point lies inside the ANSI 3000K 4-step quadrangle

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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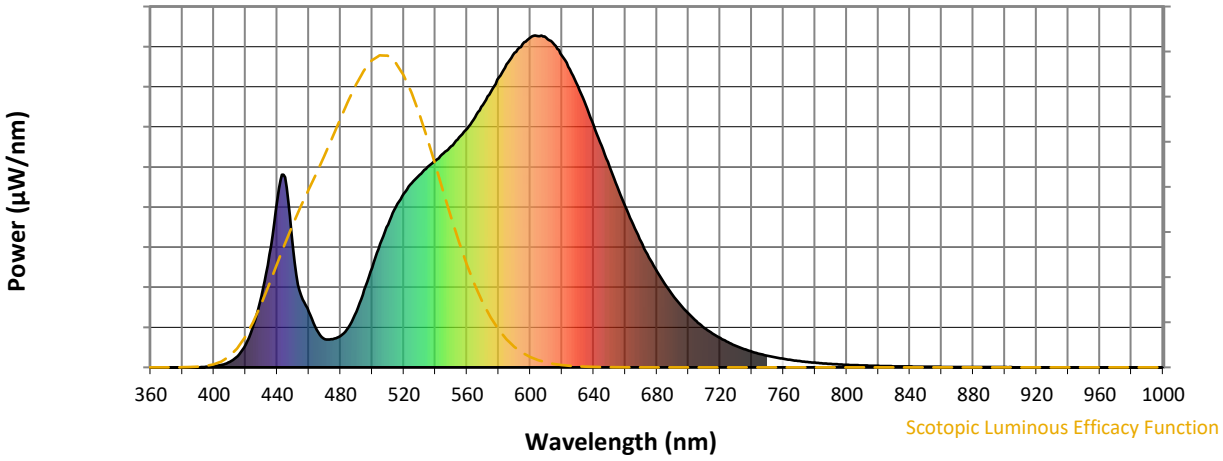
Scotopic Flux vs. Wavelength



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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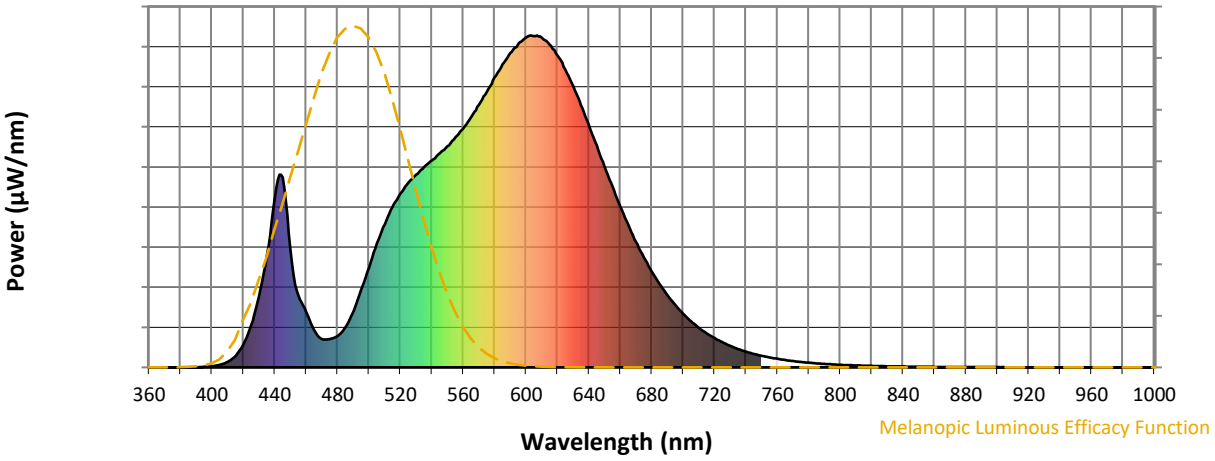
Melanopic Flux vs. Wavelength



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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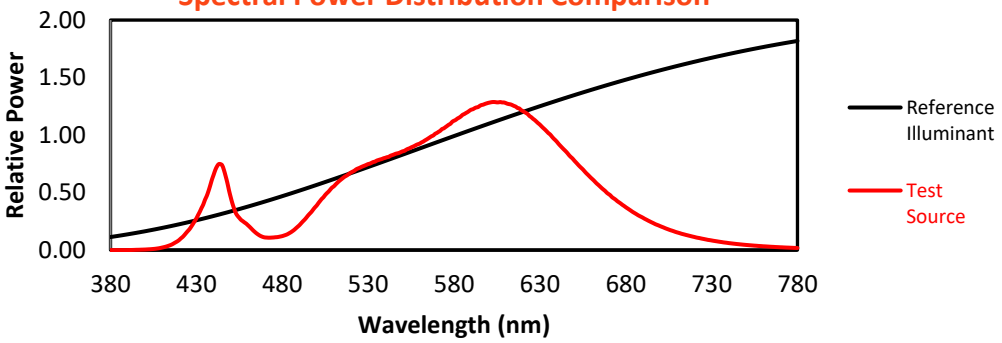
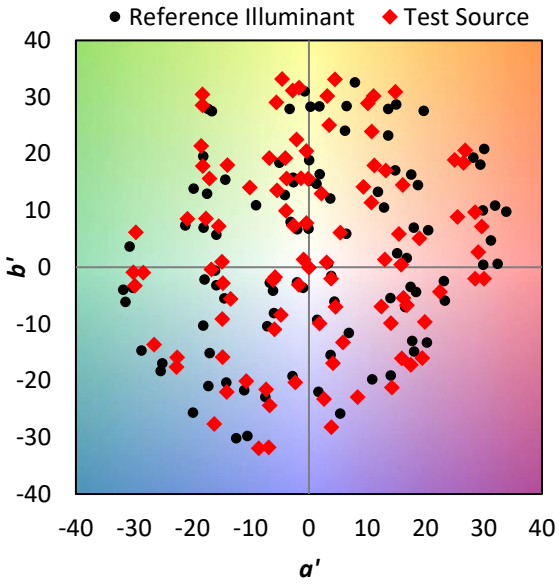
Summary

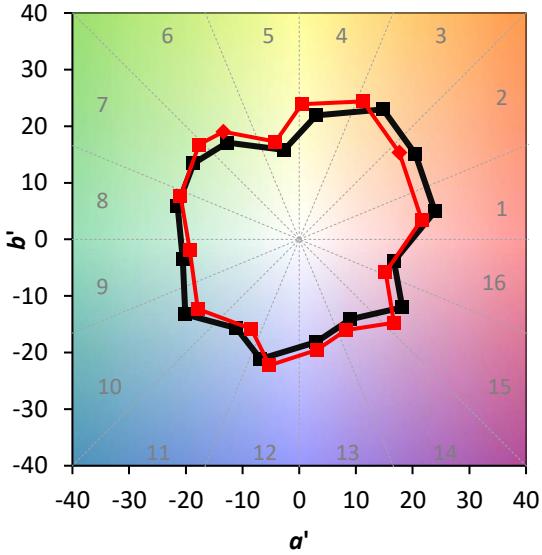
R_f = 81.5
R_g = 99.2
CIE R_a = 81.0
R_9 = 7.1

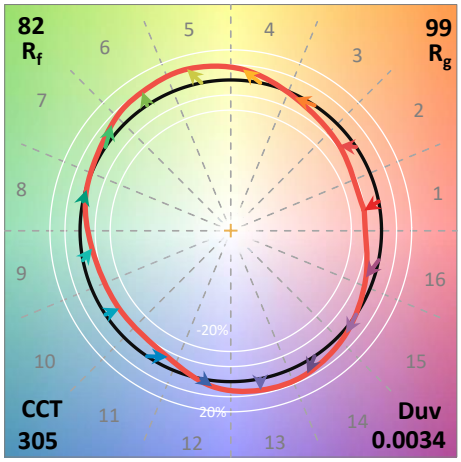
Spectral Power Distribution Comparison

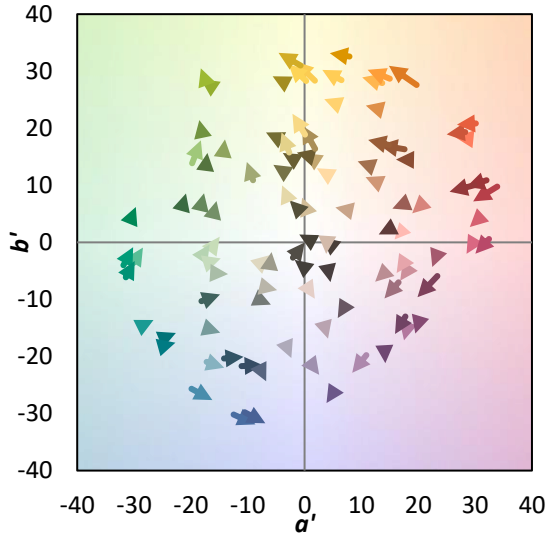


Color Vector Graphics









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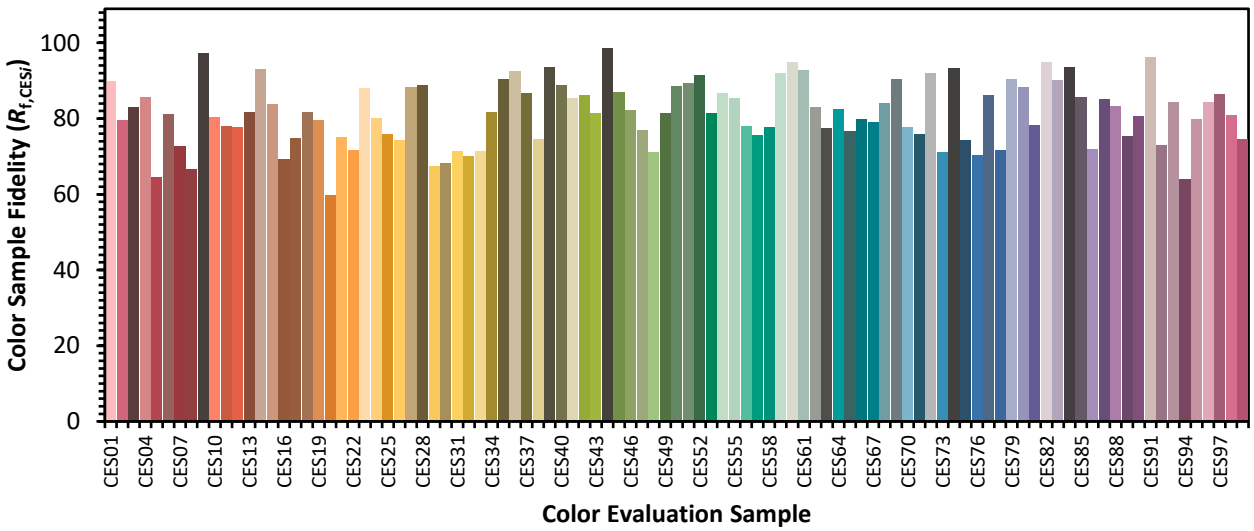
Individual Sample Fidelity Index ($R_{f,i}$)

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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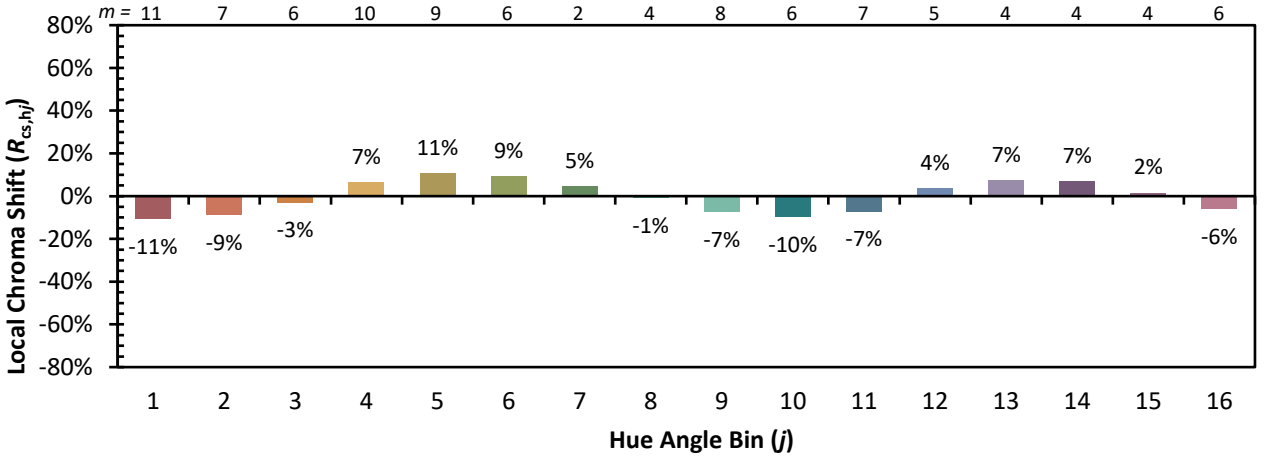
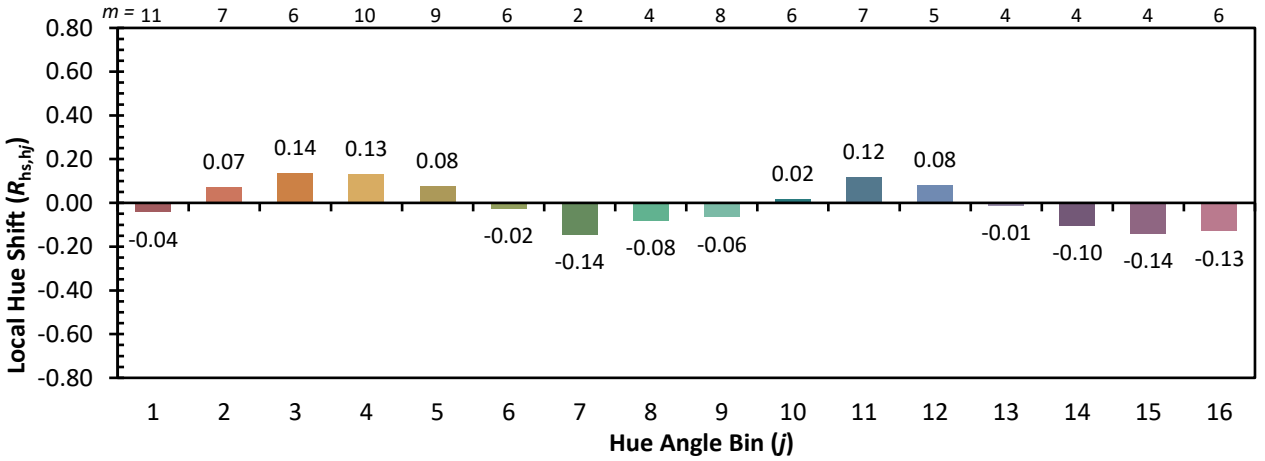
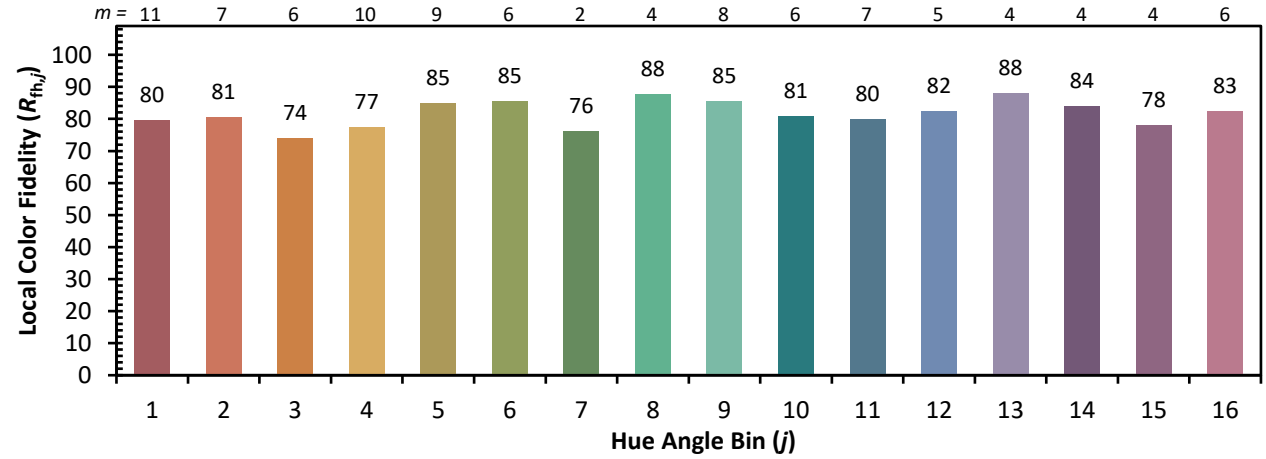
Color Rendition by Hue-Angle Bin







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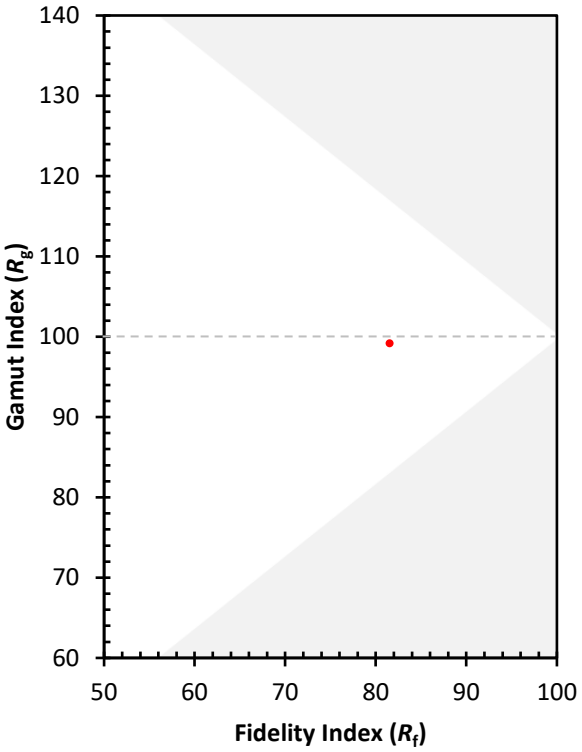
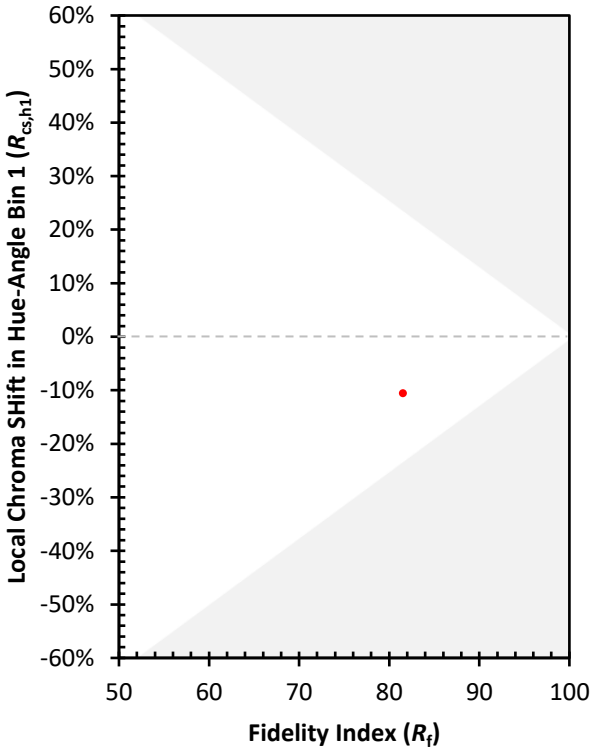
Measure Comparisons





(END OF REPORT)