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: P323677

Luminaire Tested: **GLEON-SA3B-830-U-SL3-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:	P323677
	TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-23)
Test Lab:	INNOVATION CENTER
Issue Date:	3/3/2020
Manufacturer:	COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line:	McGRAW-EDISON
Catalog Number:	GLEON-SA3B-830-U-SL3-HSS
Description:	GALLEON AREA AND ROADWAY LUMINAIRE
	(3) 80 CRI, 3000K, 800mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III
	SPILL LIGHT ELIMINATOR OPTICS WITH HOUSE SIDE SHIELD
Light Source:	-
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	11845 lumens
Efficiency:	N/A
Efficacy:	95.5 lumens/watt
Luminous Opening:	Rectangular (W 1' x L: 1' x H: 0')
IES Classification:	Type III - Medium
BUG Rating:	B1 - U0 - G2

Input Watts (W):	124
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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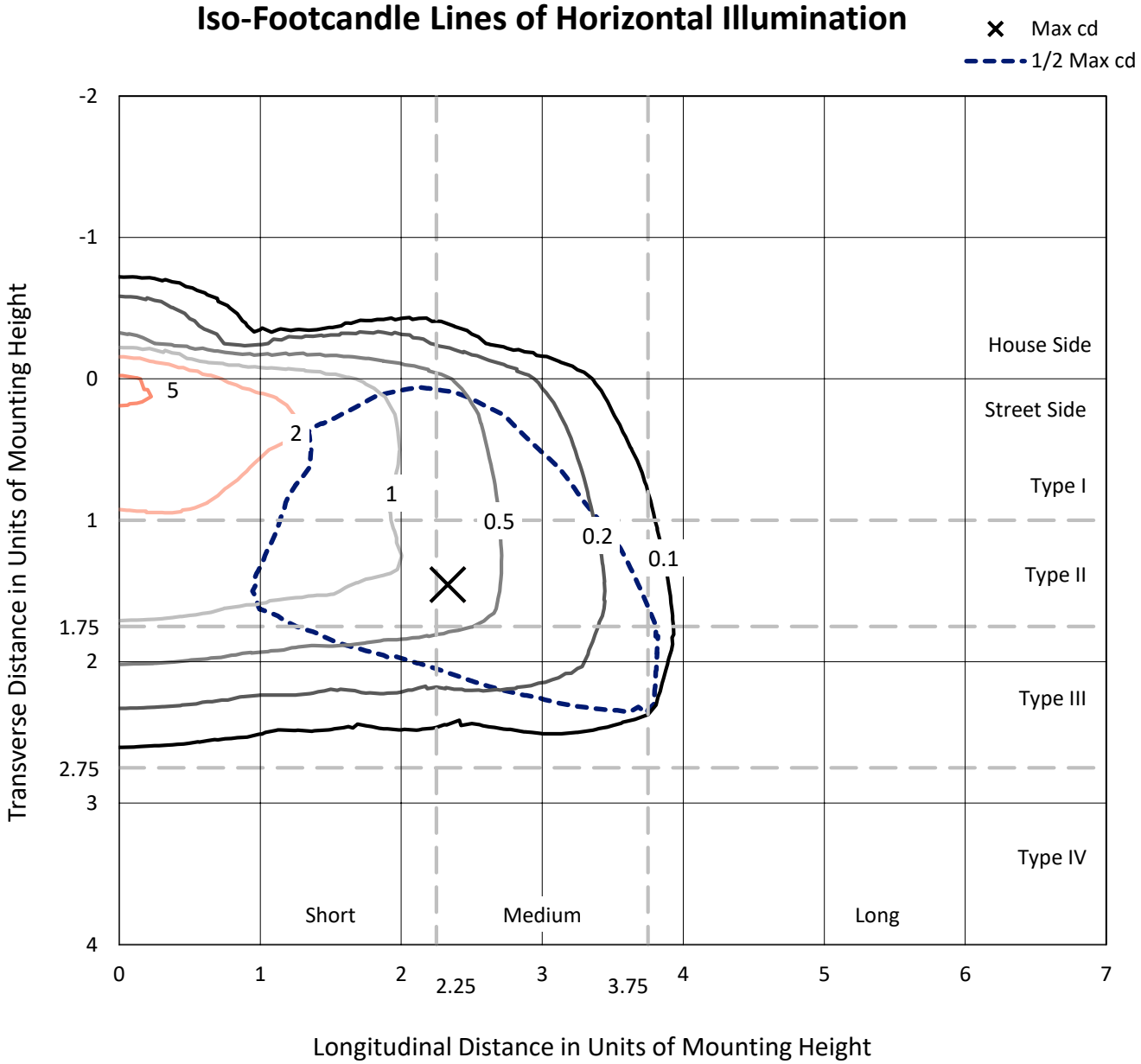
Scaled Data Report

REPORT NUMBER: P323677
CATALOG NUMBER: GLEON-SA3B-830-U-SL3-HSS

Iso-Footcandle Lines of Horizontal Illumination



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

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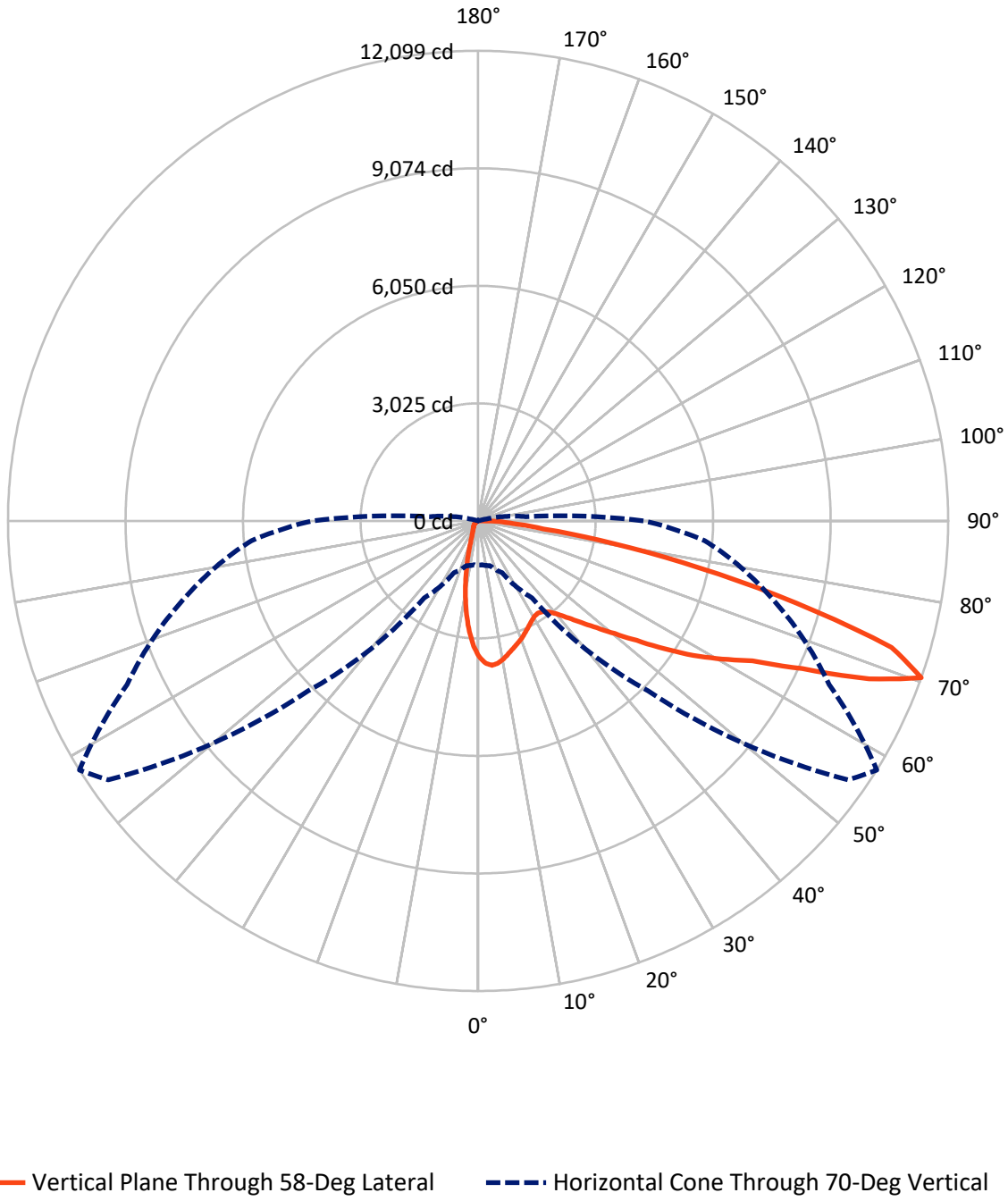
Luminous Intensity Polar Plot



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REPORT NUMBER: P323677
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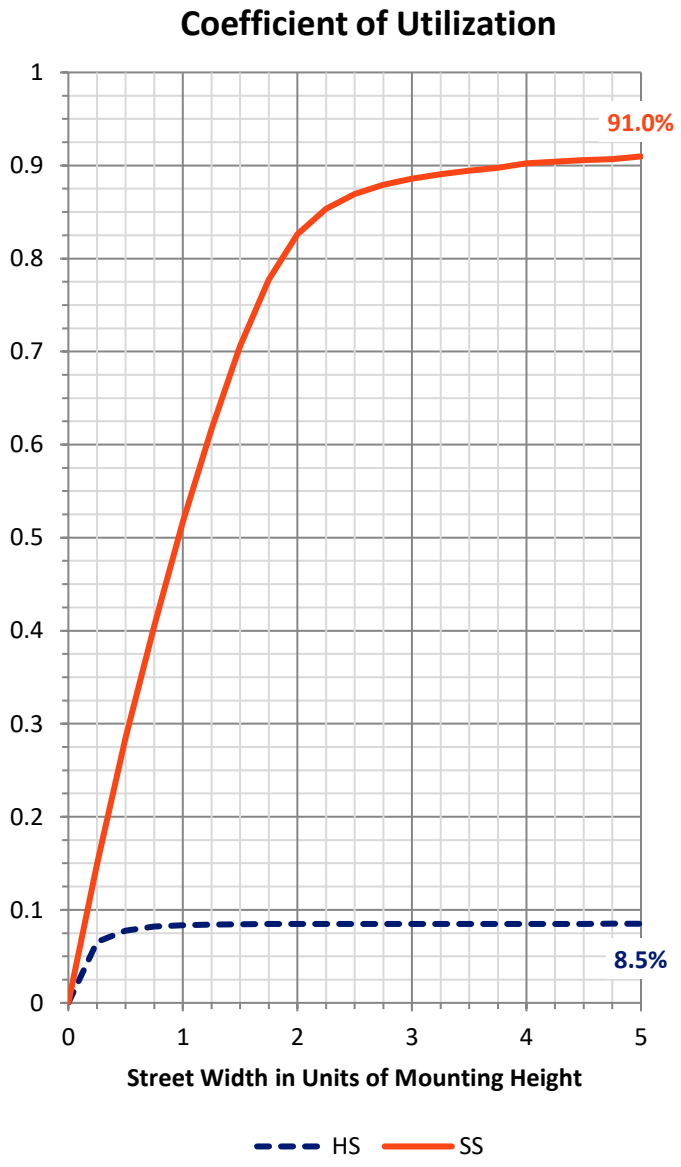
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1013.7	0.0	1013.7
	% Fixture	8.6	0.0	8.6
Street Side	Lumens	10831.3	0.0	10831.3
	% Fixture	91.4	0.0	91.4
Total	Lumens	11845.0	0.0	11845.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	286.1	2.4
10°-20°	600.5	5.1
20°-30°	789.5	6.7
30°-40°	1045.6	8.8
40°-50°	1562.8	13.2
50°-60°	2503.5	21.1
60°-70°	3155.7	26.6
70°-80°	1702.1	14.4
80°-90°	199.2	1.7
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°	11845.0	100.0
0°-180°	11845.0	100.0



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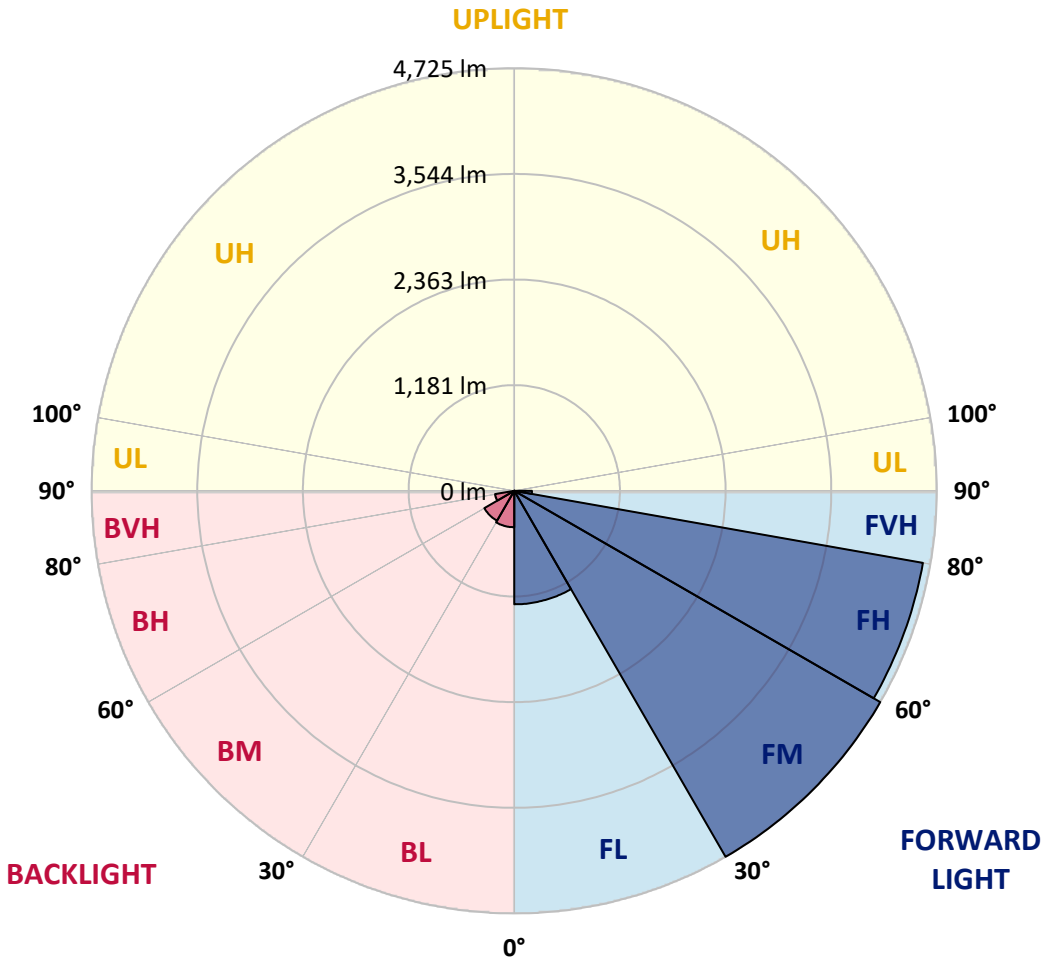
REPORT NUMBER: P323677
CATALOG NUMBER: GLEON-SA3B-830-U-SL3-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	1268.8	10.7			
FM	(30°-60°)	4725.2	39.9			
FH	(60°-80°)	4639.8	39.2			G2/5000
FVH	(80°-90°)	197.5	1.7			G2/225
BL	(0°-30°)	407.3	3.4	B1/500		
BM	(30°-60°)	386.7	3.3	B1/1000		
BH	(60°-80°)	218.0	1.8	B1/500		G1/500
BVH	(80°-90°)	1.7	0.0			G0/10
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G2
Type III Medium



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Scaled Data Report

REPORT NUMBER: P323677
CATALOG NUMBER: GLEON-SA3B-830-U-SL3-HSS

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	58°	65°	75°	85°
0°	3499.0	3499.0	3499.0	3499.0	3499.0	3499.0	3499.0	*3499.0*	3499.0	3499.0	3499.0
2.5°	3789.1	3779.7	3776.3	3770.3	3747.7	3725.5	3681.7	*3669.4*	3641.8	3576.3	3506.8
5°	3792.0	3791.5	3801.9	3799.4	3791.5	3781.2	3749.7	*3733.4*	3686.6	3593.0	3466.0
7.5°	3609.3	3618.6	3641.8	3660.5	3682.2	3710.3	3714.2	*3698.4*	3660.0	3559.0	3390.6
10°	3364.0	3378.8	3411.3	3448.2	3504.9	3561.0	3611.3	*3609.3*	3596.0	3496.5	3300.0
12.5°	3118.2	3135.5	3172.9	3227.6	3307.9	3399.5	3489.1	*3501.4*	3523.6	3440.3	3216.2
15°	2903.0	2917.8	2954.7	3021.7	3121.2	3244.3	3375.8	*3398.5*	3455.6	3396.5	3146.3
17.5°	2720.3	2729.6	2756.7	2831.1	2946.3	3095.6	3266.5	*3310.8*	3396.0	3362.0	3085.7
20°	2592.7	2594.2	2611.9	2664.1	2779.4	2946.3	3153.2	*3216.7*	3333.0	3332.5	3023.2
22.5°	2529.7	2524.7	2528.2	2558.2	2642.9	2804.0	3039.9	*3115.3*	3276.3	3307.4	2959.6
25°	2517.8	2513.9	2504.0	2508.0	2559.2	2679.4	2925.6	*3012.8*	3226.6	3292.1	2904.5
27.5°	2554.8	2558.7	2542.0	2524.2	2528.2	2598.6	2824.2	*2925.2*	3186.2	3292.1	2865.6
30°	2629.1	2631.1	2618.8	2595.7	2564.6	2575.9	2753.8	*2854.7*	3166.0	3314.7	2840.9
32.5°	2711.4	2722.2	2720.8	2702.0	2657.7	2611.9	2737.0	*2829.1*	3164.5	3365.0	2838.5
35°	2813.4	2825.7	2846.4	2842.4	2796.1	2720.8	2794.1	*2866.5*	3193.6	3447.7	2865.1
37.5°	2921.7	2940.4	2984.8	3005.9	2975.9	2890.7	2922.2	*2973.9*	3271.4	3581.7	2932.5
40°	3026.6	3047.8	3128.6	3211.8	3189.2	3101.5	3116.3	*3157.6*	3409.8	3774.3	3060.6
42.5°	3129.6	3161.1	3279.8	3416.7	3443.8	3373.9	3381.7	*3414.7*	3615.2	4039.3	3269.9
45°	3252.7	3288.2	3464.0	3632.9	3705.3	3674.8	3708.3	*3730.0*	3883.6	4389.5	3552.2
47.5°	3433.5	3474.3	3690.1	3882.6	4009.7	4029.4	4096.9	*4111.2*	4223.0	4797.3	3920.1
50°	3786.1	3797.4	3992.5	4167.3	4350.5	4468.8	4545.6	*4556.4*	4633.8	5243.0	4379.6
52.5°	4229.9	4237.3	4347.6	4464.8	4673.2	4914.5	5094.3	*5109.5*	5125.8	5677.4	4833.2
55°	4670.7	4669.7	4742.6	4811.6	5049.9	5400.6	5790.7	*5800.1*	5683.3	6089.7	5180.0
57.5°	4946.0	4972.6	5083.4	5172.1	5505.0	5954.7	6496.0	*6530.5*	6269.0	6395.1	5522.8
60°	4858.3	4871.2	5116.9	5445.0	6072.0	6742.3	7209.7	*7218.6*	6709.3	6699.9	5956.2
62.5°	4139.3	4146.1	4532.3	5208.5	6359.1	7763.8	8070.7	*7926.3*	7215.6	7123.0	6474.8
65°	2837.0	2881.8	3204.4	4040.3	5831.6	8404.6	9403.4	*9164.6*	7987.4	7732.8	6943.7
67.5°	1670.7	1661.3	1820.9	2436.6	4283.1	7979.0	11089.4	*10852.0*	9040.0	8141.1	6806.3
70°	*1141.2*	*1134.8*	*1195.9*	*1475.1*	*2417.8*	*6189.7*	*11619.8*	*12099.1*	*9969.4*	*7866.3*	*5857.7*
72.5°	814.7	818.1	908.2	1146.1	1518.0	3606.3	9992.5	*11126.8*	9678.3	6857.5	4452.5
75°	553.1	562.5	691.5	940.2	1330.8	1834.7	7091.0	*8458.3*	7881.0	4983.9	2559.2
77.5°	297.5	307.8	460.0	757.5	1203.3	1274.7	4561.4	*5821.3*	4950.5	2240.5	741.8
80°	124.1	130.0	215.2	550.7	1039.7	1119.5	2683.8	*3530.0*	2109.5	441.8	165.5
82.5°	53.7	56.6	89.6	328.5	777.2	945.2	1421.0	*1698.3*	639.3	97.0	83.2
85°	10.3	10.8	36.9	173.9	496.0	533.4	921.0	*902.8*	287.1	41.9	60.6
87.5°	0.0	0.0	8.9	54.7	145.8	290.6	562.0	*555.1*	97.5	20.2	22.7
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: P323677
CATALOG NUMBER: GLEON-SA3B-830-U-SL3-HSS

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	3499.0	3499.0	3499.0	3499.0	3499.0	3499.0	3499.0	3499.0	3499.0	3499.0	3499.0
2.5°	3471.4	3437.4	3366.0	3277.8	3210.3	3136.0	3076.9	3002.0	2969.5	2971.0	2953.2
5°	3393.6	3323.6	3165.5	2966.0	2812.4	2653.8	2517.3	2381.4	2301.1	2275.0	2250.4
7.5°	3282.2	3171.4	2919.2	2611.9	2351.8	2097.7	1876.6	1682.0	1558.9	1498.8	1476.6
10°	3156.6	3001.0	2636.0	2231.2	1859.8	1516.0	1229.4	980.1	880.6	813.2	795.9
12.5°	3046.3	2835.5	2359.2	1840.6	1399.8	985.1	711.7	556.6	489.1	462.5	458.1
15°	2942.4	2680.9	2092.8	1487.0	969.3	606.3	452.6	399.9	384.2	379.7	379.7
17.5°	2844.4	2533.6	1832.2	1138.7	641.3	425.1	374.8	363.0	358.1	357.6	358.1
20°	2741.9	2386.3	1576.1	834.4	447.7	360.0	346.3	339.8	338.4	338.4	338.4
22.5°	2643.9	2239.1	1326.9	596.0	359.1	328.5	321.6	317.2	315.7	315.2	314.2
25°	2549.8	2099.2	1083.6	421.1	315.2	300.9	295.0	289.1	284.7	282.2	280.7
27.5°	2472.5	1974.6	857.0	337.9	284.7	272.4	265.0	256.1	245.3	240.4	238.4
30°	2411.0	1860.8	660.5	285.2	256.1	243.8	232.5	217.2	201.4	193.1	192.6
32.5°	2362.7	1749.0	501.4	252.2	230.5	215.2	199.0	179.8	161.6	152.2	151.7
35°	2339.0	1650.5	383.2	228.0	207.8	188.6	168.4	147.3	129.5	120.7	119.7
37.5°	2354.8	1567.2	299.0	207.8	188.6	166.5	142.8	120.7	104.9	97.0	96.5
40°	2412.4	1514.0	242.8	190.6	172.4	145.3	119.7	99.0	85.7	79.3	78.8
42.5°	2535.1	1494.3	207.4	176.3	156.6	125.6	99.5	81.8	69.4	65.0	64.0
45°	2740.0	1523.4	183.2	162.5	140.4	106.9	82.3	67.0	56.1	52.7	52.2
47.5°	3012.8	1599.7	166.0	149.2	125.6	90.1	68.5	54.2	45.8	42.4	41.9
50°	3364.5	1720.9	151.7	135.9	111.8	76.3	56.6	42.9	35.5	33.0	33.0
52.5°	3747.2	1865.2	138.9	123.6	98.0	63.5	45.8	33.0	28.1	25.1	25.1
55°	4063.4	1991.3	125.1	114.3	81.3	52.7	35.0	25.1	20.7	19.2	19.2
57.5°	4379.1	2125.8	109.3	98.0	65.0	42.9	26.6	18.7	15.3	14.3	14.3
60°	4788.4	2290.3	94.1	79.8	51.2	32.5	19.7	13.3	11.3	10.8	10.8
62.5°	5238.6	2386.8	80.3	64.0	39.9	24.1	14.3	8.9	8.4	8.4	7.9
65°	5513.9	2250.4	67.5	51.2	31.0	18.2	9.4	6.4	7.4	6.9	5.9
67.5°	5162.7	1761.8	55.2	39.9	24.1	13.8	5.9	4.4	7.9	6.4	4.9
70°	*4274.7*	*1233.3*	*42.9*	*28.1*	*19.2*	*11.8*	*3.9*	*3.0*	*8.4*	*6.4*	*3.9*
72.5°	3199.0	825.5	34.0	18.7	14.3	10.3	3.4	1.5	7.4	5.4	3.4
75°	1748.0	332.5	27.1	11.8	8.9	7.4	2.5	1.0	4.9	3.9	2.5
77.5°	460.0	87.7	19.7	7.9	4.9	3.0	1.5	0.5	2.5	2.0	1.0
80°	117.2	34.0	12.8	5.4	3.4	1.5	0.0	0.0	0.5	0.0	0.0
82.5°	62.6	14.3	7.9	3.9	2.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	47.3	9.4	4.4	2.5	0.5	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	18.2	3.0	1.5	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

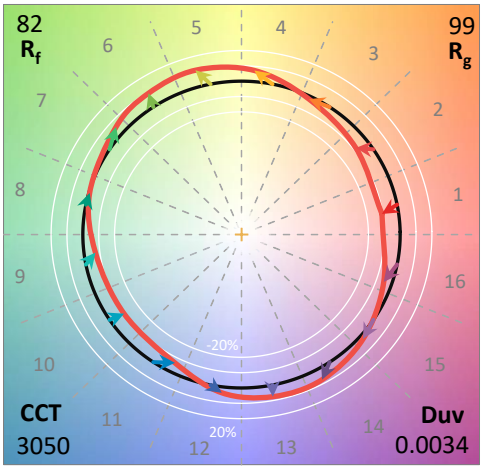
Test Information

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

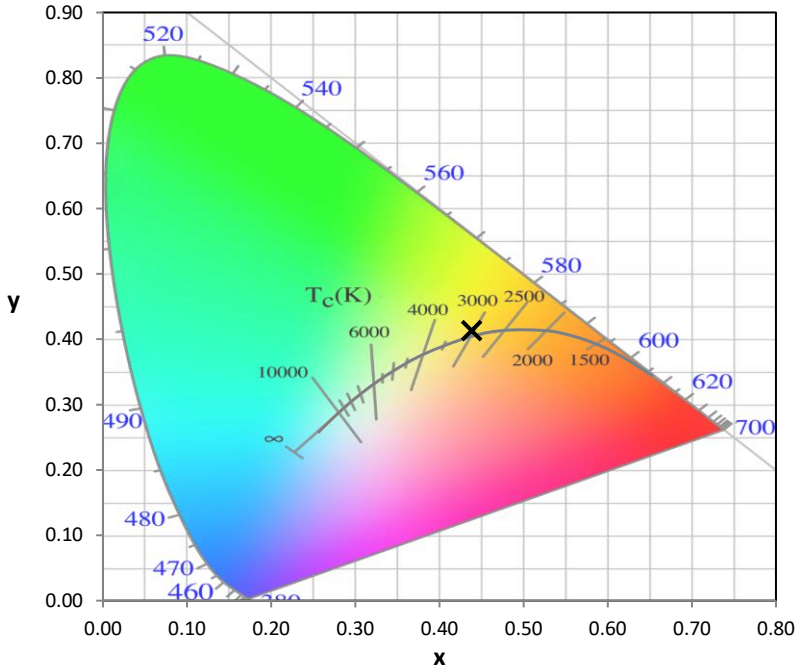
Stabilization Time:	20M
Operation Time:	1H 20M
Sphere Temperature (°C):	24.2

REPORT NUMBER: SP1-2408-195-9

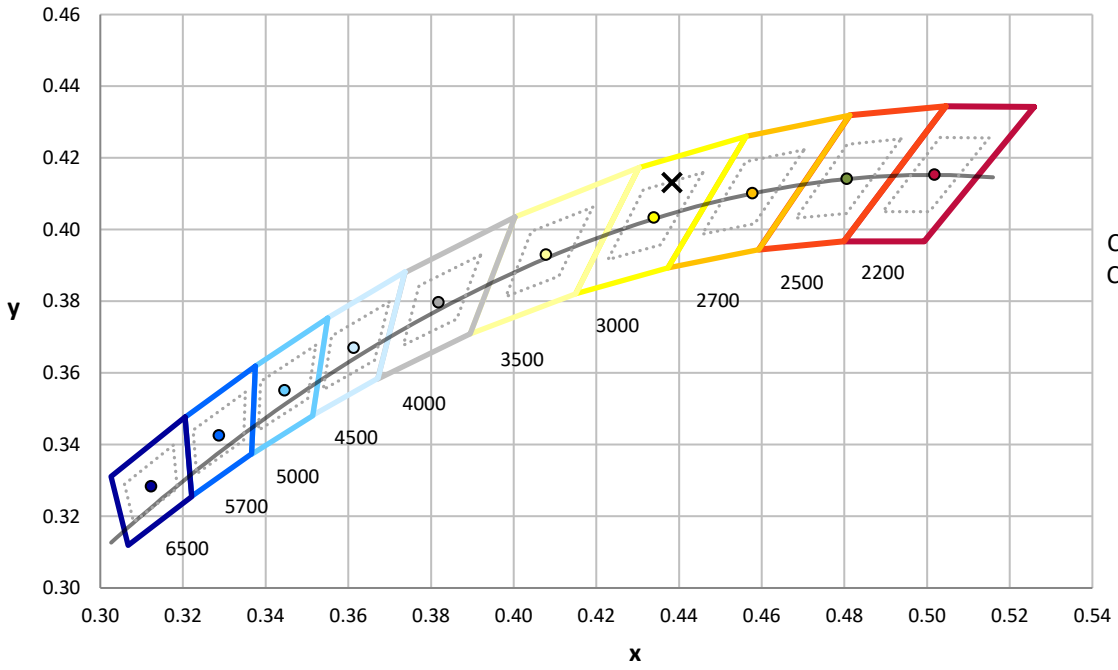
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

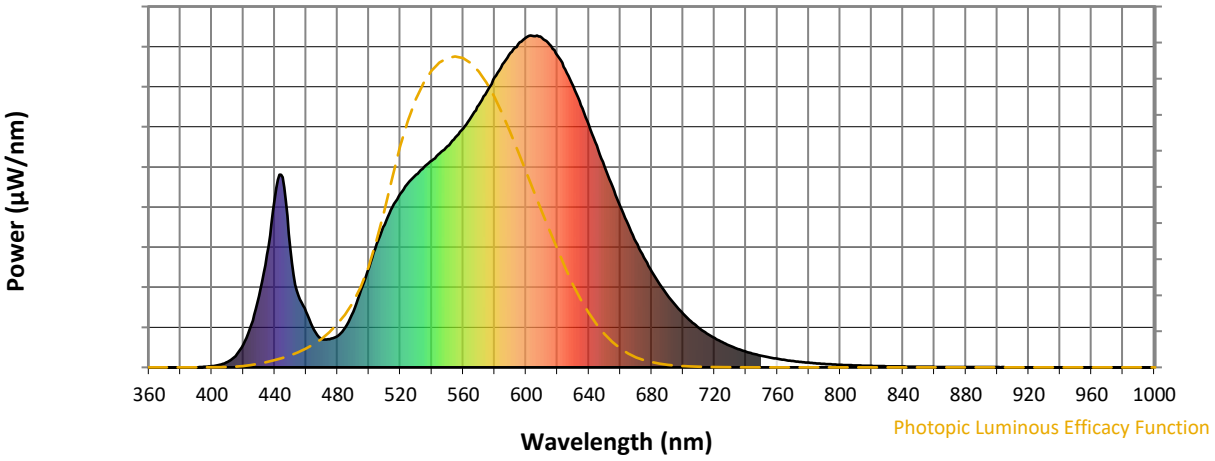


CCT = 3050K
CIE x = 0.4383
CIE y = 0.4131
Duv = 0.0034

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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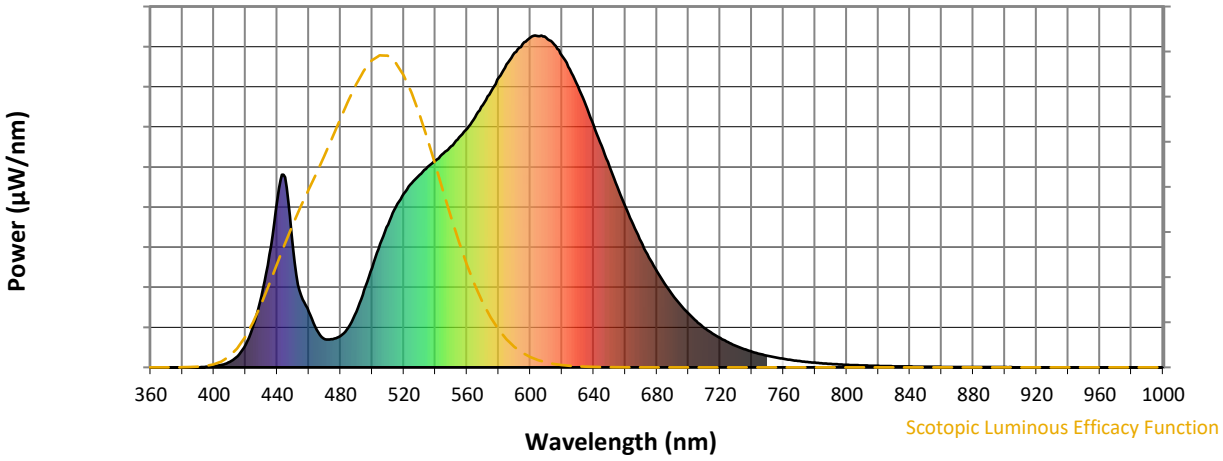
Scotopic Flux vs. Wavelength



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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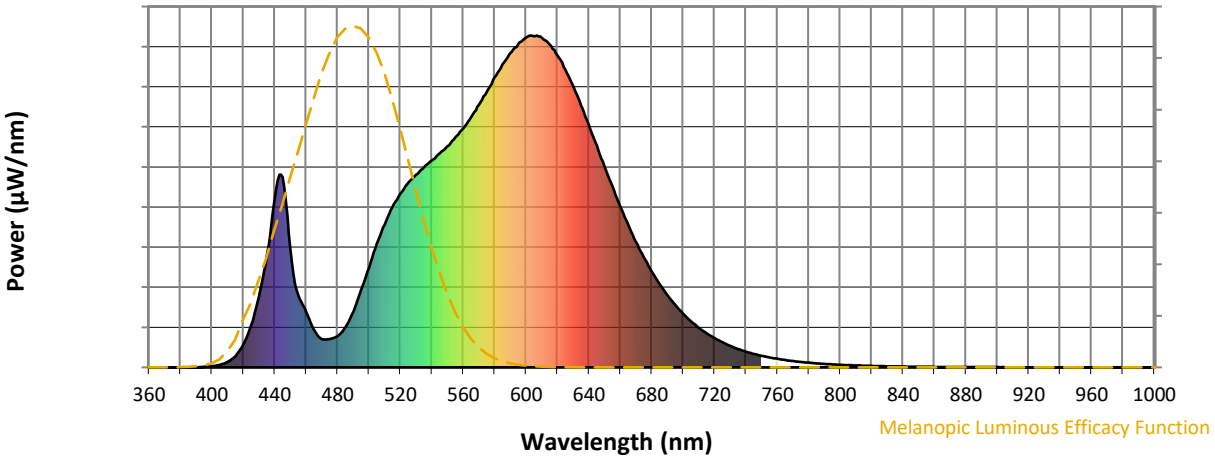
Melanopic Flux vs. Wavelength



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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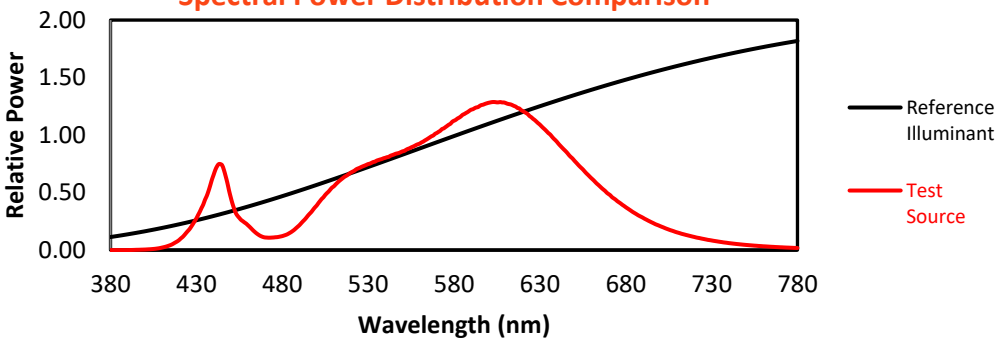
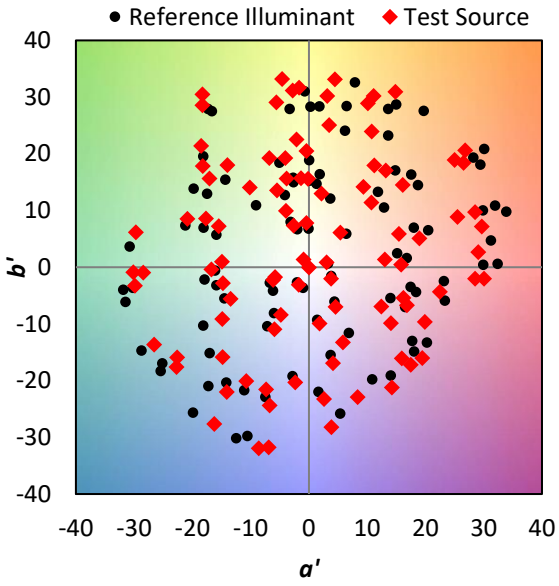
Summary

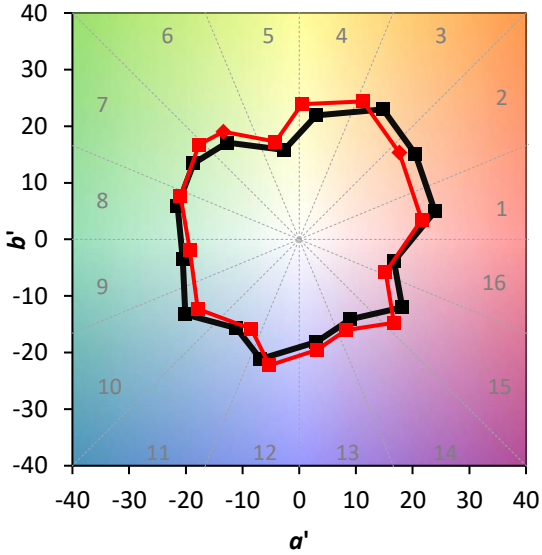
R_f = 81.5
R_g = 99.2
CIE R_a = 81.0
R_9 = 7.1

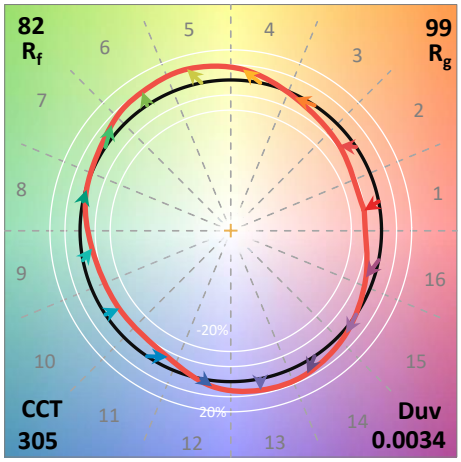
Spectral Power Distribution Comparison

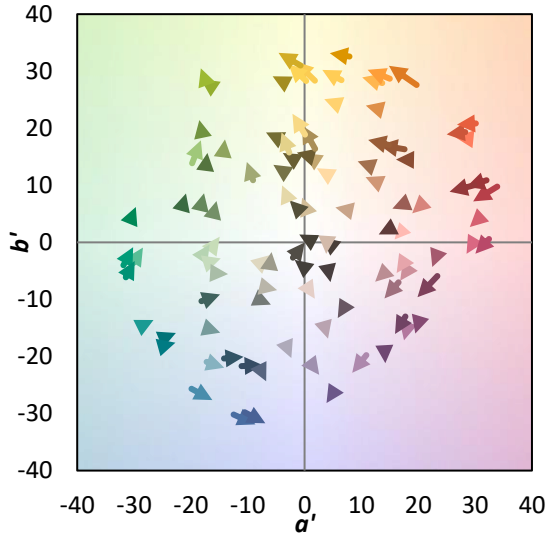


Color Vector Graphics









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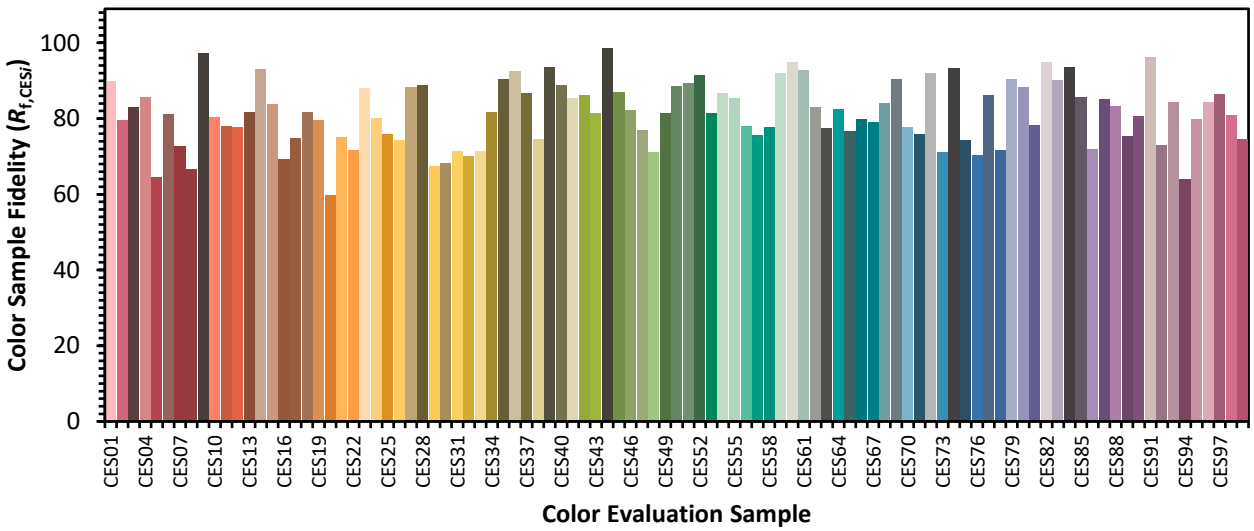
Individual Sample Fidelity Index ($R_{f,i}$)

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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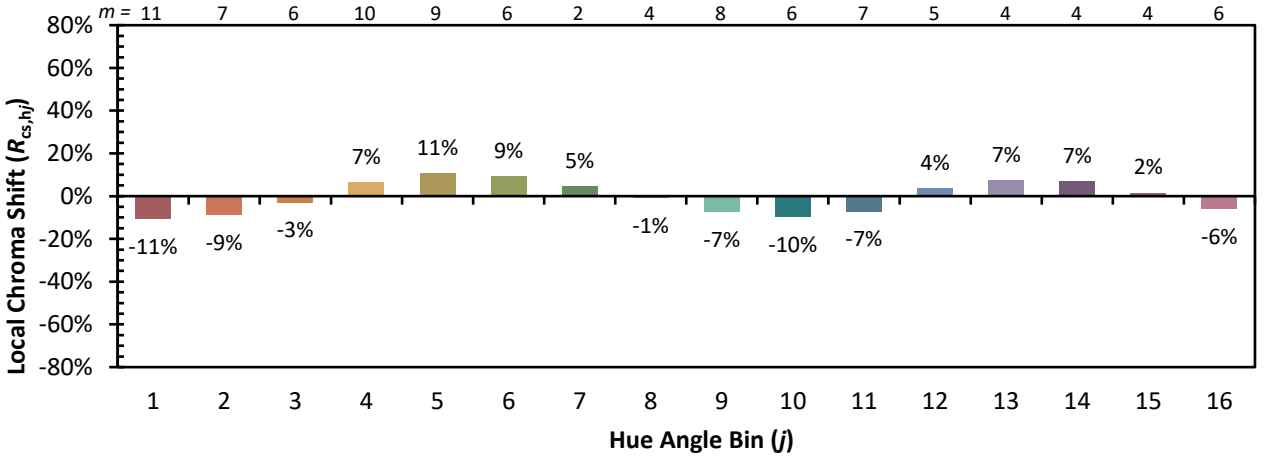
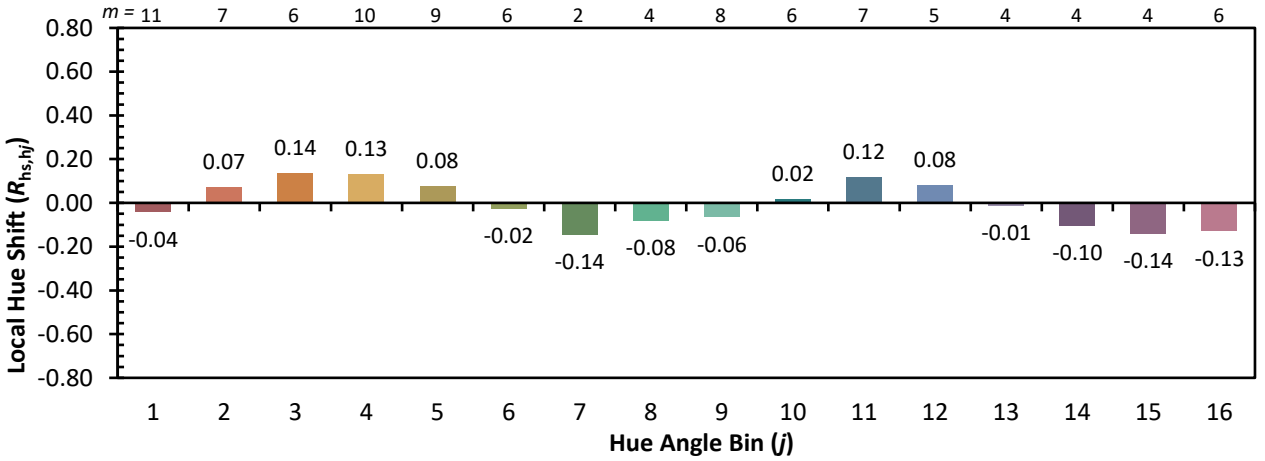
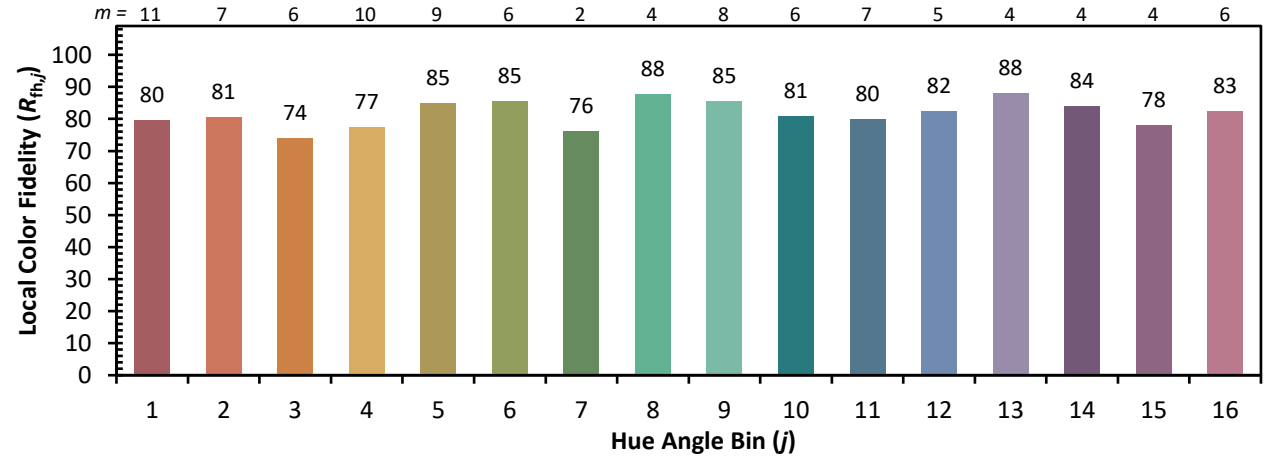
Color Rendition by Hue-Angle Bin







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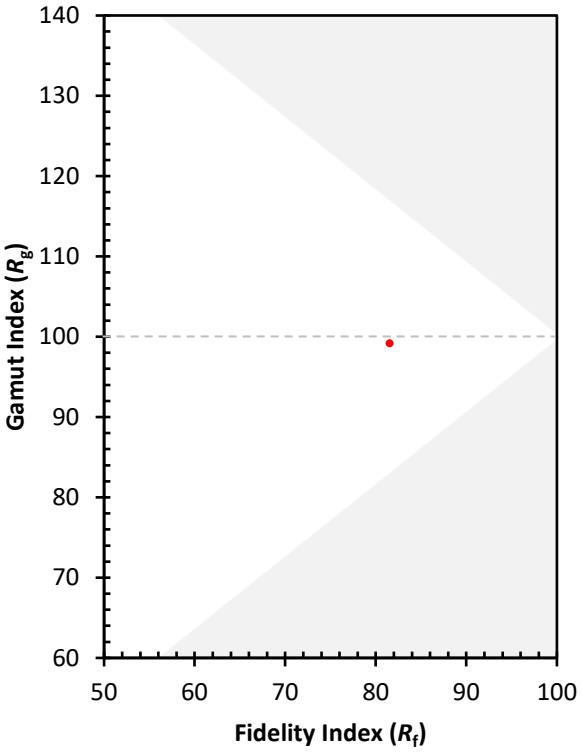
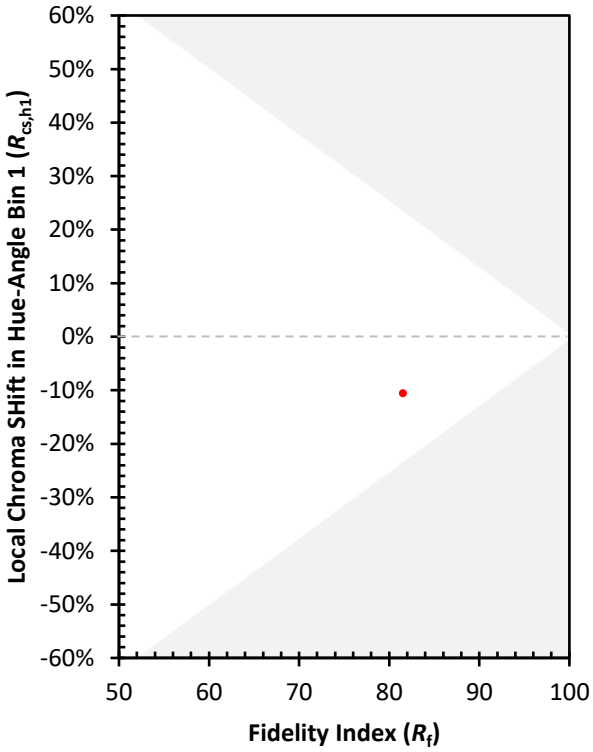
Measure Comparisons





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