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: P319208

Luminaire Tested: **GLEON-SA4C-830-U-T4W**

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:	P319208
	TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-18)
Test Lab:	INNOVATION CENTER
Issue Date:	3/3/2020
Manufacturer:	COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line:	McGRAW-EDISON
Catalog Number:	GLEON-SA4C-830-U-T4W
Description:	GALLEON AREA AND ROADWAY LUMINAIRE
	(4) 80 CRI, 3000K, 1050mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE IV WIDE OPTICS
Light Source:	-
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	22515 lumens
Efficiency:	N/A
Efficacy:	100.1 lumens/watt
Luminous Opening:	Rectangular (W 1' x L: 1' x H: 0')
IES Classification:	Type IV - Short
BUG Rating:	B3 - U0 - G4

Input Watts (W):	225
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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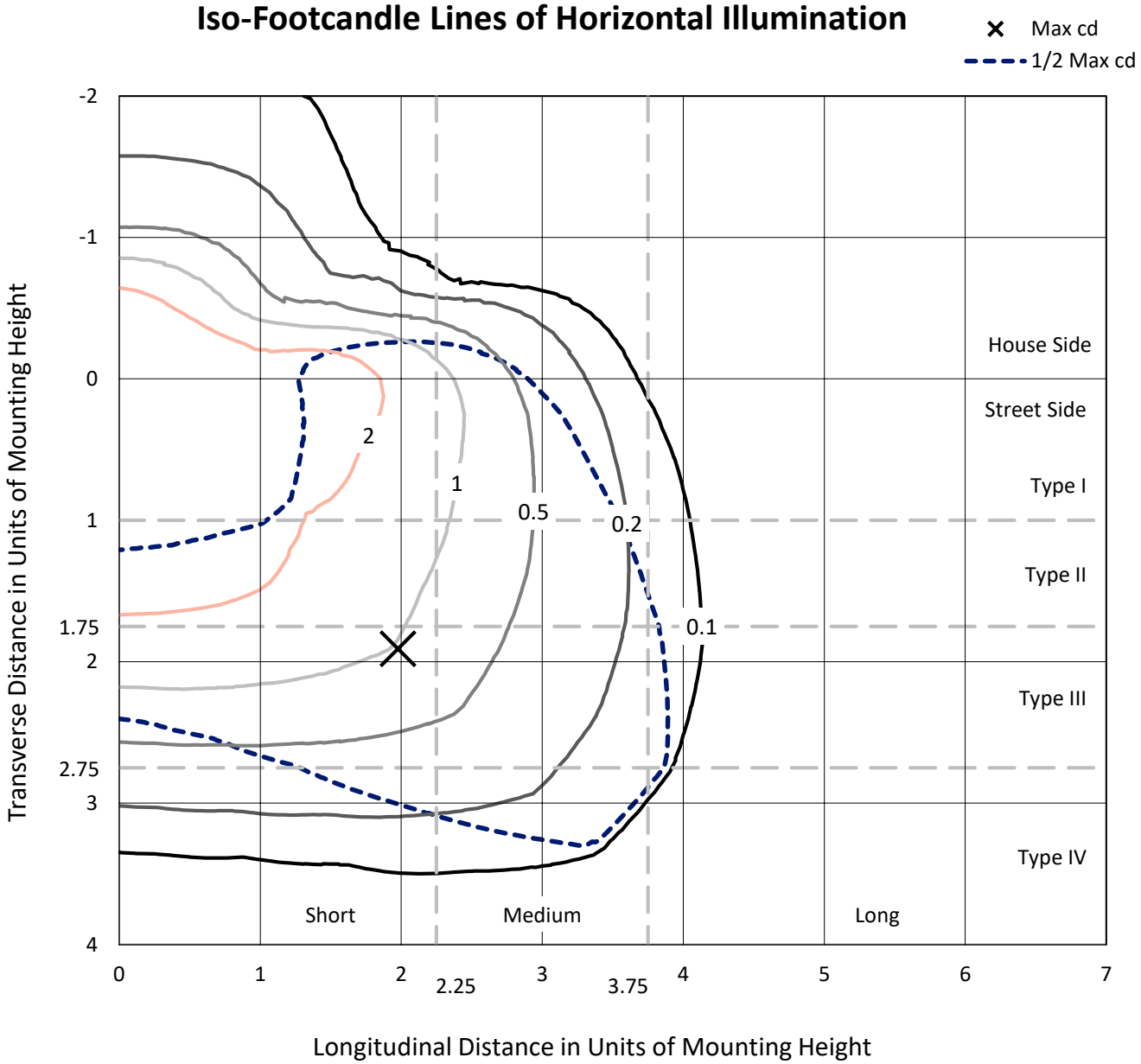
Scaled Data Report

REPORT NUMBER: P319208
CATALOG NUMBER: GLEON-SA4C-830-U-T4W

Iso-Footcandle Lines of Horizontal Illumination



Based on 25 foot mounting height. Maximum calculated value = 4.6 fc
Type IV - Short - N/A

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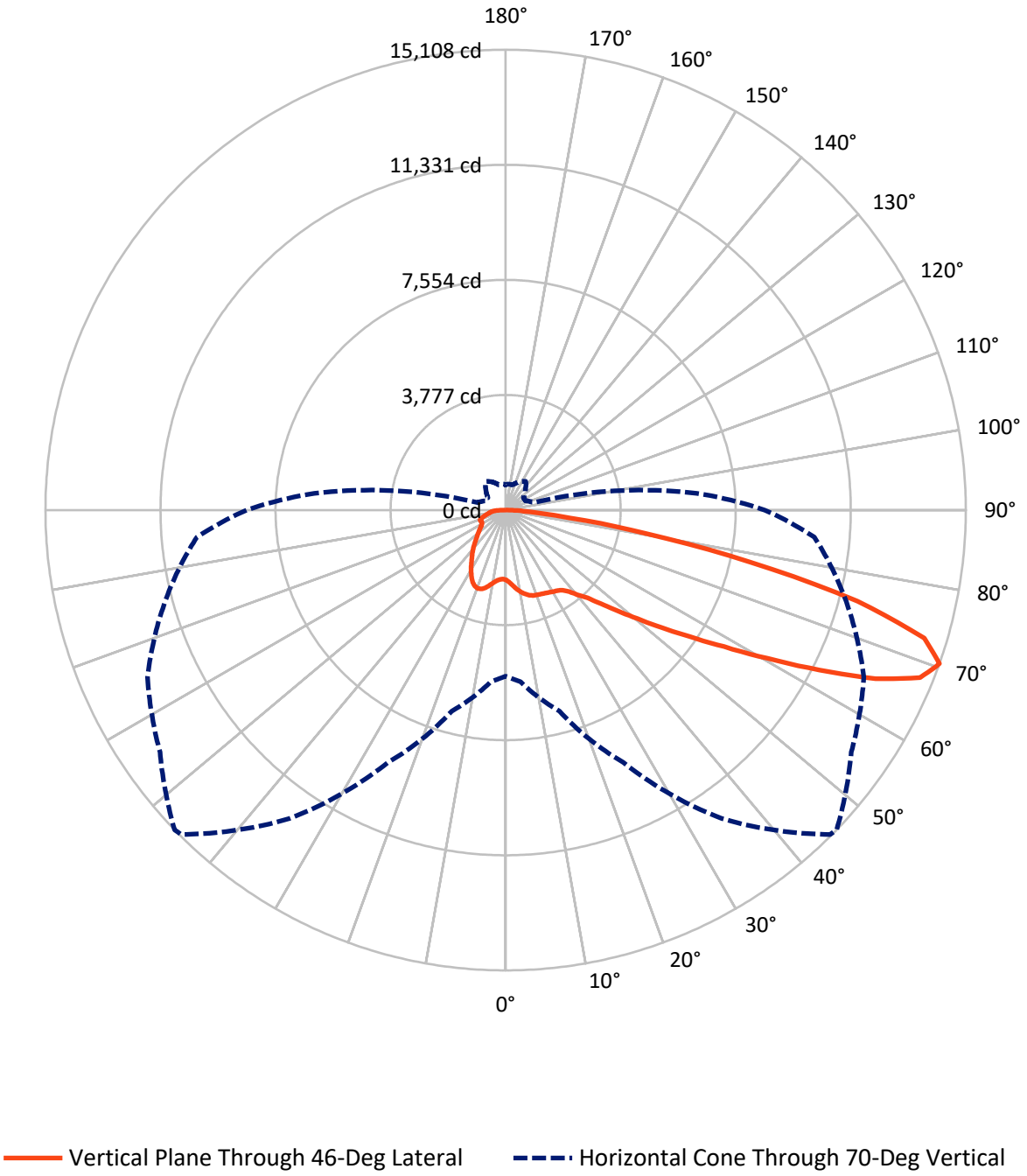
Luminous Intensity Polar Plot



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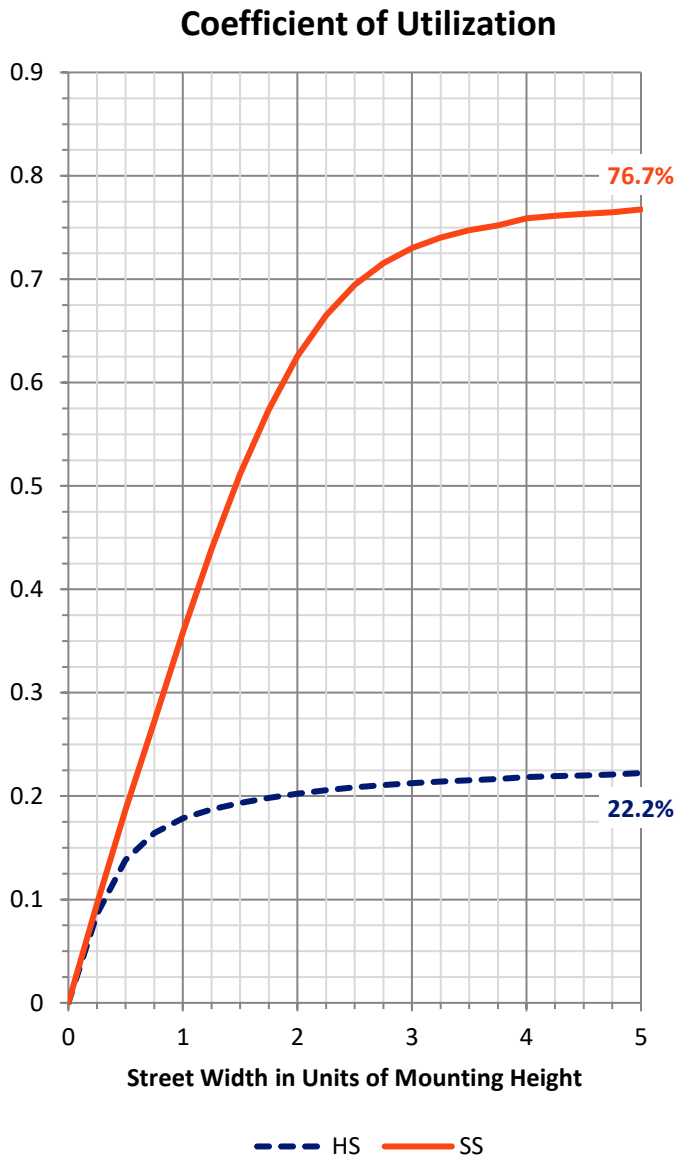
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	5160.4	0.0	5160.4
	% Fixture	22.9	0.0	22.9
Street Side	Lumens	17354.6	0.0	17354.6
	% Fixture	77.1	0.0	77.1
Total	Lumens	22515.0	0.0	22515.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	233.8	1.0
10°-20°	779.1	3.5
20°-30°	1299.0	5.8
30°-40°	1843.4	8.2
40°-50°	2711.6	12.0
50°-60°	4592.0	20.4
60°-70°	6518.3	29.0
70°-80°	3959.9	17.6
80°-90°	577.9	2.6
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°	22515.0	100.0
0°-180°	22515.0	100.0



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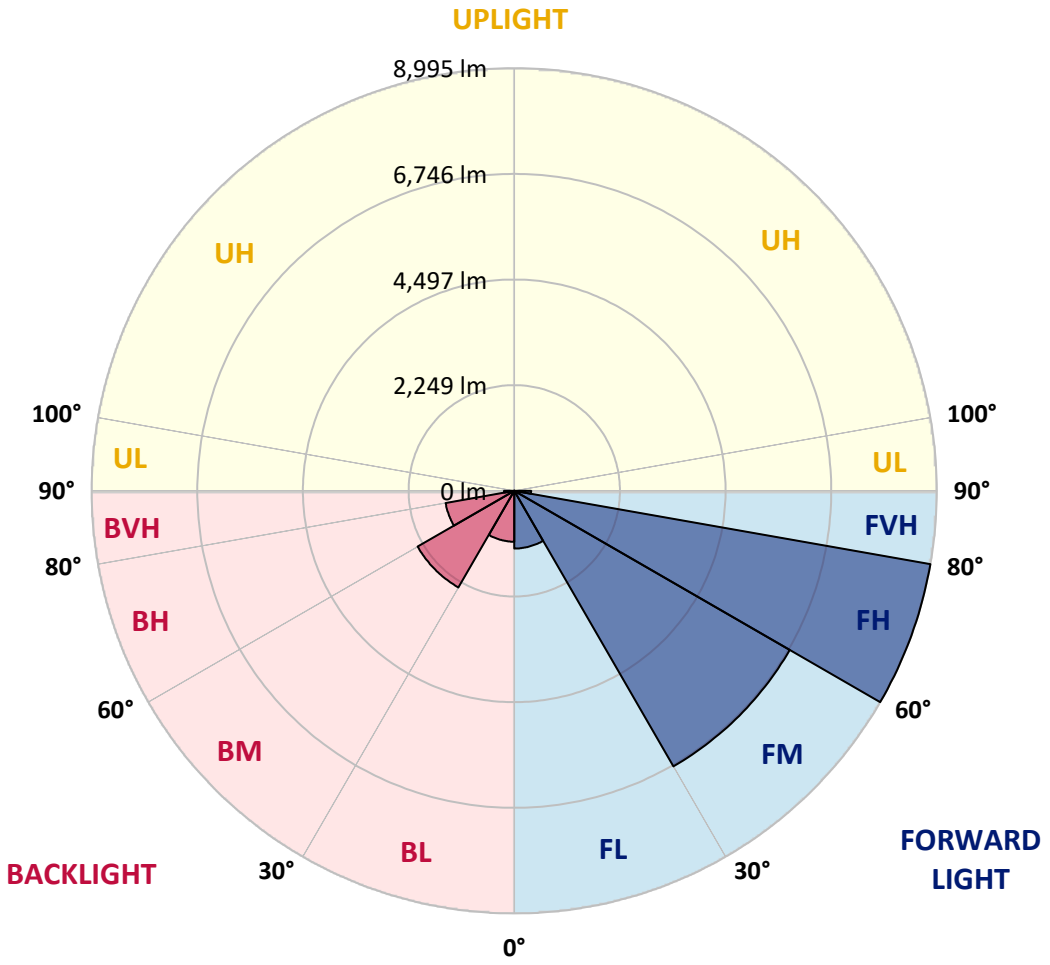
Scaled Data Report

REPORT NUMBER: P319208
CATALOG NUMBER: GLEON-SA4C-830-U-T4W

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	1228.5	5.5			
FM	(30°-60°)	6771.5	30.1			
FH	(60°-80°)	8994.6	39.9			G4/12000
FVH	(80°-90°)	360.0	1.6			G3/500
BL	(0°-30°)	1083.4	4.8	B3/2500		
BM	(30°-60°)	2375.5	10.6	B2/2500		
BH	(60°-80°)	1483.6	6.6	B3/2500		G3/2500
BVH	(80°-90°)	217.9	1.0			G2/225
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G4
Type IV Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	46°	55°	65°	75°	85°
0°	2293.8	2293.8	2293.8	2293.8	2293.8	2293.8	2293.8	2293.8	2293.8	2293.8	2293.8
2.5°	2408.6	2410.2	2413.3	2405.6	2384.0	2377.8	2375.5	2353.2	2338.5	2317.0	2298.5
5°	2601.3	2602.8	2598.2	2576.6	2528.8	2493.4	2490.3	2439.5	2393.2	2343.9	2306.9
7.5°	2802.4	2804.7	2790.1	2749.2	2682.2	2620.5	2616.7	2547.3	2477.2	2402.5	2347.0
10°	2980.4	2971.1	2947.2	2890.2	2810.9	2735.3	2732.3	2659.8	2578.9	2488.8	2414.8
12.5°	3099.0	3091.3	3060.5	2991.2	2904.1	2834.7	2828.6	2761.5	2683.0	2584.3	2495.7
15°	3164.5	3169.9	3128.3	3049.7	2965.0	2906.4	2901.0	2853.2	2783.1	2683.7	2582.0
17.5°	3173.0	3177.6	3137.6	3059.7	2990.4	2950.3	2948.0	2916.4	2865.6	2770.0	2663.7
20°	3123.7	3126.8	3093.6	3029.7	2984.2	2971.9	2971.1	2957.3	2919.5	2834.7	2731.5
22.5°	3052.0	3054.3	3030.5	2984.2	2968.8	2988.1	2993.5	2988.1	2961.1	2881.7	2784.7
25°	3034.3	3032.8	3008.1	2961.1	2974.2	3015.0	3022.0	3024.3	3005.8	2936.5	2852.5
27.5°	3119.8	3114.4	3067.4	2991.9	3000.4	3049.7	3059.0	3081.3	3069.8	3008.9	2929.5
30°	3367.2	3357.9	3261.6	3109.0	3067.4	3092.9	3104.4	3139.9	3142.2	3091.3	3032.0
32.5°	3784.8	3773.2	3600.6	3327.9	3180.7	3136.8	3147.6	3200.7	3229.2	3190.0	3126.0
35°	4312.6	4299.5	4073.0	3700.0	3370.3	3220.8	3228.5	3270.9	3327.9	3272.4	3187.6
37.5°	4862.8	4831.2	4613.1	4137.7	3671.5	3400.3	3400.3	3405.7	3432.7	3317.1	3260.1
40°	5409.8	5378.2	5181.0	4652.4	4061.4	3683.1	3665.4	3545.9	3524.4	3425.0	3405.7
42.5°	5918.4	5909.1	5792.8	5234.1	4519.1	3961.2	3936.6	3733.9	3738.6	3676.9	3677.7
45°	6459.3	6459.3	6364.5	5821.3	5052.3	4408.1	4383.5	4085.3	4131.5	4103.0	4171.6
47.5°	6900.8	6914.6	6901.5	6433.1	5672.6	4976.0	4931.3	4572.3	4701.7	4799.6	4999.1
50°	7351.5	7373.1	7375.4	7104.2	6422.3	5651.0	5600.1	5218.7	5507.7	5788.1	6180.3
52.5°	8005.7	8054.2	7860.8	7773.8	7340.7	6452.3	6402.3	6050.1	6532.5	6926.2	7601.9
55°	8612.1	8569.7	8431.8	8485.7	8323.9	7364.6	7326.9	7017.9	7674.4	8186.0	9063.6
57.5°	8940.3	8937.3	9076.0	9307.1	9384.2	8489.6	8458.0	8157.5	8961.9	9346.4	10435.9
60°	9325.6	9331.0	9674.6	10199.4	10516.8	9890.4	9876.5	9648.5	10212.5	10429.8	11512.3
62.5°	9379.5	9476.6	10068.4	10971.4	11577.1	11527.0	11557.8	10991.5	11331.3	11294.3	12316.0
65°	8759.3	8887.2	9958.2	11204.9	12631.1	13316.9	13345.4	12342.2	12213.5	12033.2	12603.4
67.5°	7487.9	7677.5	8840.9	10697.1	12978.6	14639.9	14679.9	13389.3	12945.5	12283.6	11911.5
70°	5449.1	5659.5	6830.7	9136.1	12359.1	15062.9	15108.4	13852.4	12973.2	11570.9	10168.6
72.5°	3291.7	3456.6	4422.0	6725.9	10431.3	14292.4	14373.3	13265.3	11844.4	9801.0	7508.7
75°	1445.5	1553.4	2138.2	3875.7	7467.9	11825.2	11926.1	11354.4	9623.8	7122.7	4438.2
77.5°	615.6	646.5	876.9	1683.6	4221.7	8080.4	8219.1	8296.2	6529.4	3875.7	1875.4
80°	383.7	396.0	496.2	762.0	1975.6	4538.4	4687.8	4881.2	3242.3	1424.7	654.9
82.5°	233.5	247.3	329.8	460.8	1028.6	2057.3	2128.9	2265.3	1258.3	615.6	339.0
85°	140.2	150.3	201.9	291.3	585.6	809.0	808.3	893.8	592.5	396.0	178.8
87.5°	67.0	74.7	107.9	151.0	295.1	303.6	284.3	322.1	359.8	259.7	90.2
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: P319208
CATALOG NUMBER: GLEON-SA4C-830-U-T4W

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	2293.8	2293.8	2293.8	2293.8	2293.8	2293.8	2293.8	2293.8	2293.8	2293.8	2293.8
2.5°	2292.3	2289.2	2279.2	2271.5	2270.0	2265.3	2261.5	2263.8	2266.9	2267.6	2267.6
5°	2291.5	2283.1	2270.0	2264.6	2271.5	2280.7	2292.3	2307.7	2317.0	2323.9	2328.5
7.5°	2328.5	2312.3	2297.7	2294.6	2308.5	2333.1	2359.3	2391.7	2414.0	2429.4	2432.5
10°	2390.2	2370.1	2355.5	2358.6	2383.2	2418.7	2455.6	2497.3	2531.2	2552.0	2553.5
12.5°	2461.0	2441.8	2427.9	2441.0	2481.8	2525.0	2563.5	2599.7	2630.6	2651.4	2651.4
15°	2542.7	2528.8	2512.7	2542.7	2598.2	2636.7	2652.9	2670.6	2687.6	2703.0	2699.9
17.5°	2621.3	2608.2	2599.7	2635.2	2693.0	2710.7	2699.9	2686.8	2686.8	2695.3	2696.8
20°	2689.1	2677.6	2683.0	2717.6	2747.7	2729.2	2689.1	2647.5	2630.6	2635.2	2639.8
22.5°	2748.4	2743.1	2759.2	2775.4	2753.8	2689.1	2615.1	2558.9	2538.1	2536.6	2538.1
25°	2817.8	2817.0	2837.1	2807.8	2712.2	2592.8	2493.4	2438.7	2427.1	2436.4	2451.8
27.5°	2904.1	2912.6	2922.6	2815.5	2627.5	2447.2	2346.2	2308.5	2320.0	2342.4	2357.0
30°	3014.3	3037.4	3015.8	2796.2	2505.7	2280.7	2184.4	2173.6	2205.2	2236.8	2252.2
32.5°	3121.4	3157.6	3105.2	2746.1	2348.5	2104.3	2029.5	2026.5	2065.0	2095.8	2117.4
35°	3207.7	3279.3	3172.2	2646.7	2166.7	1941.7	1887.0	1866.2	1880.1	1916.3	1940.9
37.5°	3320.2	3439.6	3218.5	2494.9	1969.4	1807.6	1743.7	1695.9	1683.6	1698.2	1710.6
40°	3525.9	3683.9	3240.0	2283.1	1776.8	1673.6	1608.8	1538.7	1490.2	1454.7	1455.5
42.5°	3861.8	4002.1	3226.2	2025.7	1598.8	1542.6	1469.4	1388.5	1309.9	1229.7	1223.6
45°	4407.4	4475.2	3184.6	1752.9	1442.4	1405.4	1336.9	1255.9	1151.2	1060.2	1051.8
47.5°	5280.4	5130.1	3119.8	1514.8	1304.5	1289.1	1225.9	1132.7	1021.7	948.5	942.3
50°	6470.8	6075.5	3088.2	1325.3	1182.7	1187.4	1135.7	1037.1	932.3	878.4	872.2
52.5°	7894.7	7176.6	3149.1	1178.9	1084.9	1101.1	1062.5	970.1	882.2	839.9	833.7
55°	9371.8	8317.0	3214.6	1072.6	992.4	1024.0	1010.9	934.6	855.3	816.0	810.6
57.5°	10636.3	9168.4	3083.6	986.3	910.0	959.3	970.9	912.3	841.4	806.0	799.8
60°	11432.2	9511.3	2740.0	905.4	844.5	907.7	947.7	906.1	846.8	843.7	839.1
62.5°	11809.8	9481.2	2224.5	841.4	803.7	885.3	964.7	940.8	908.4	936.2	938.5
65°	11640.2	9028.2	1656.6	799.0	774.4	893.8	1015.5	1006.3	926.2	953.9	957.8
67.5°	10524.5	7947.1	1226.7	762.0	742.0	917.7	1108.0	1027.9	891.5	911.5	899.2
70°	*8506.5*	*6300.5*	*946.2*	*720.4*	*708.9*	*914.6*	*1149.6*	*1014.8*	*853.7*	*858.4*	*825.2*
72.5°	5866.0	4296.4	769.7	681.9	661.1	833.7	1120.3	982.4	822.1	786.7	742.8
75°	3190.0	2306.2	654.2	641.8	577.1	732.0	1066.4	959.3	793.6	746.6	722.0
77.5°	1255.2	957.0	567.9	587.1	504.7	646.5	1006.3	915.4	754.3	692.7	680.4
80°	512.4	488.5	470.8	507.8	433.8	565.6	933.9	863.8	707.3	642.6	618.0
82.5°	290.5	303.6	366.0	400.7	352.1	520.9	899.2	822.1	651.1	575.6	546.3
85°	148.7	178.0	255.0	287.4	258.9	443.0	828.3	719.7	522.4	440.7	443.0
87.5°	71.7	99.4	161.0	180.3	168.0	320.5	618.7	521.6	406.8	322.1	312.1
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

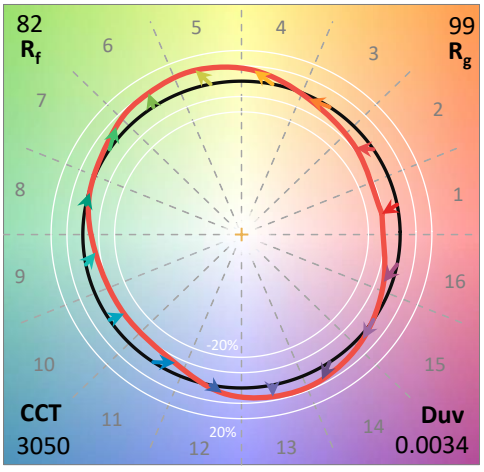
Test Information

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

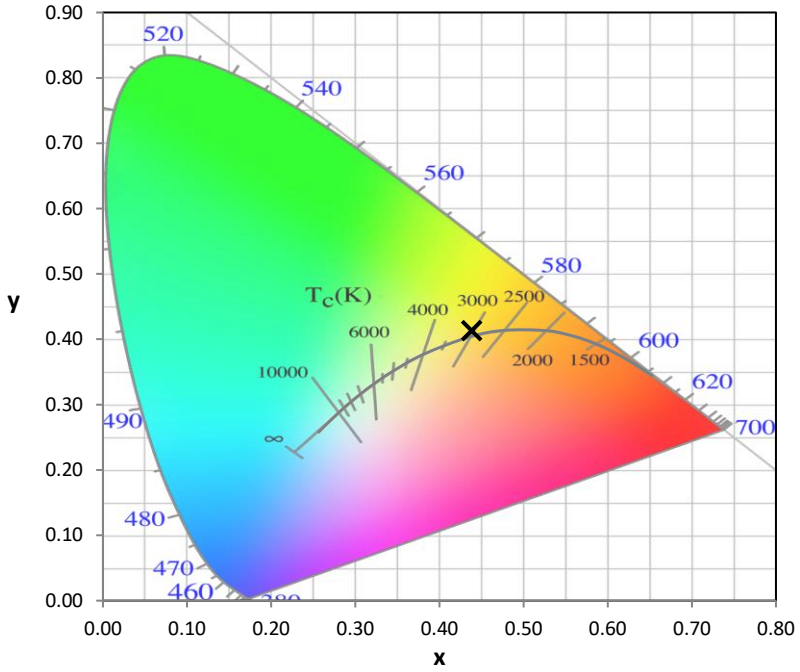
Stabilization Time:	20M
Operation Time:	1H 20M
Sphere Temperature (°C):	24.2

REPORT NUMBER: SP1-2408-195-9

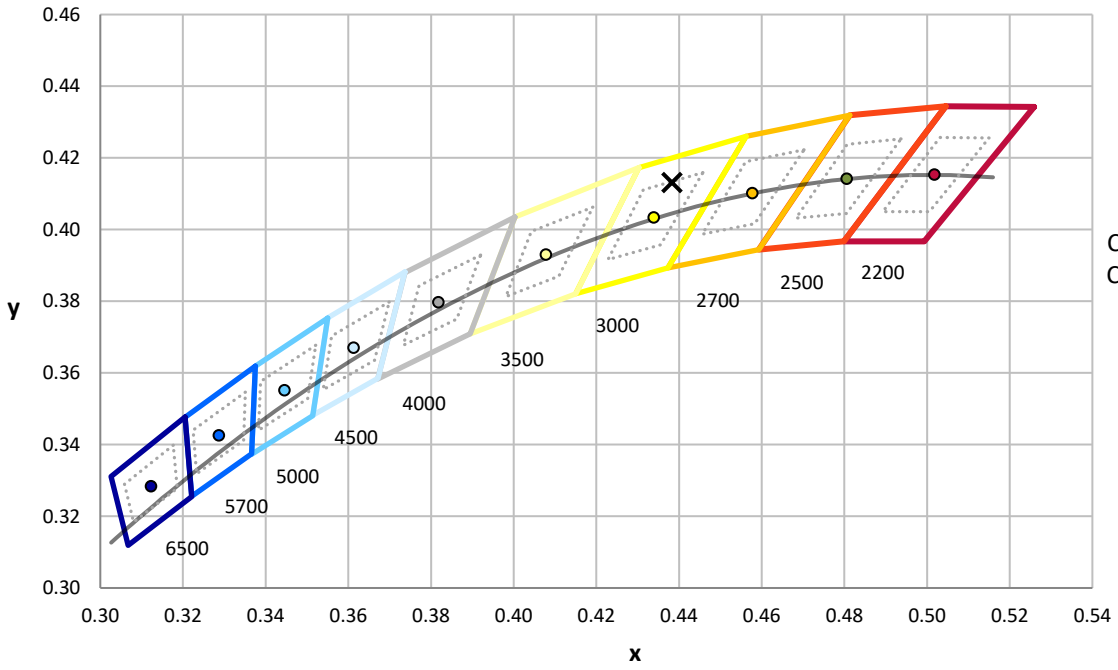
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

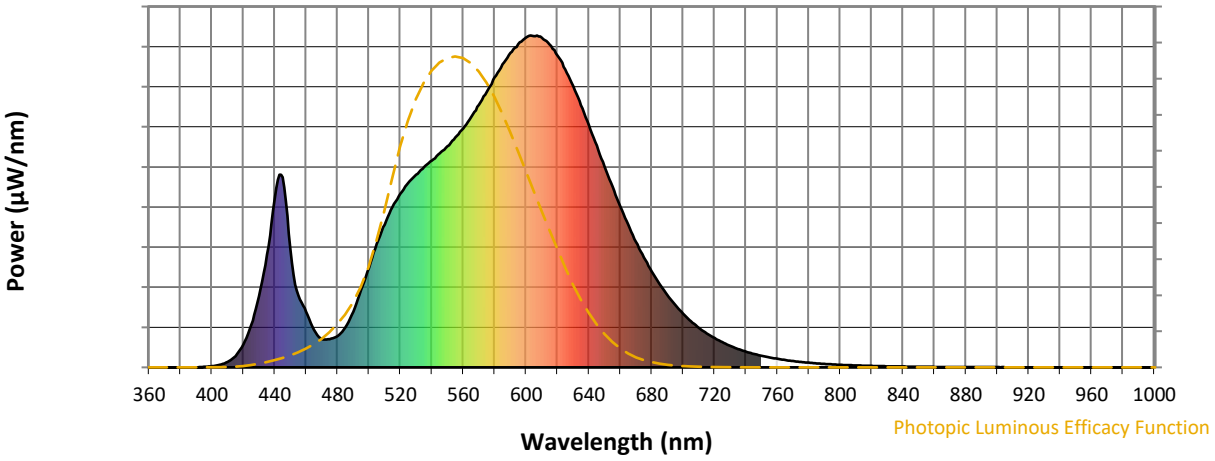


CCT = 3050K
CIE x = 0.4383
CIE y = 0.4131
Duv = 0.0034

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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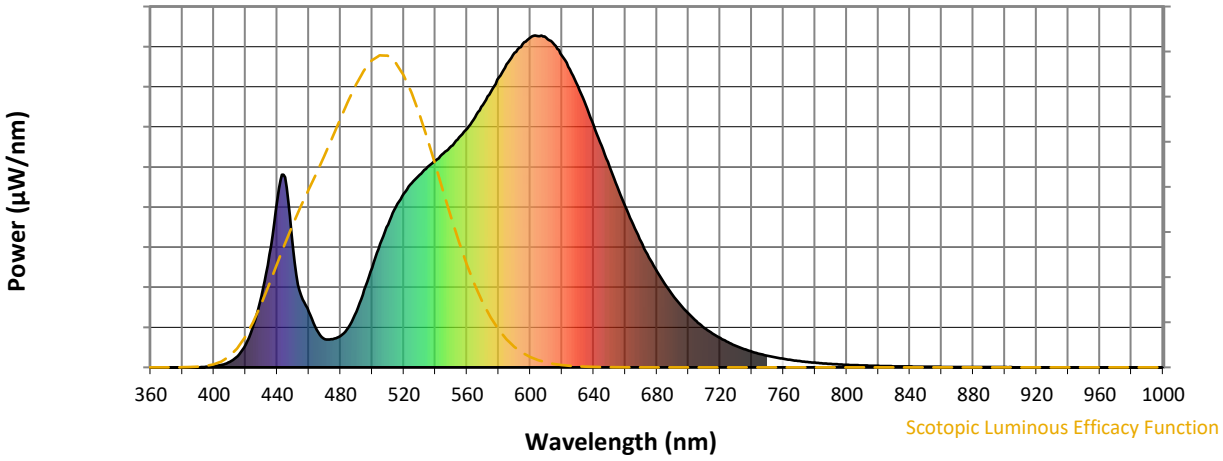
Scotopic Flux vs. Wavelength



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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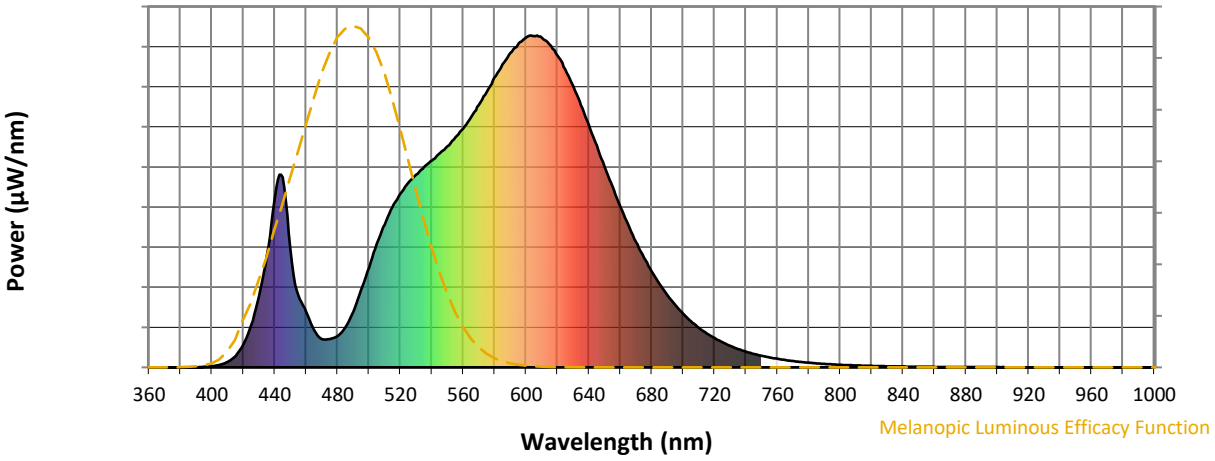
Melanopic Flux vs. Wavelength



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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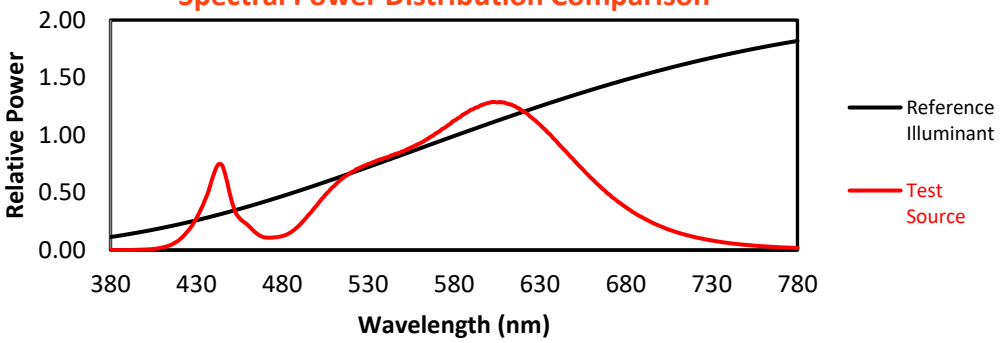
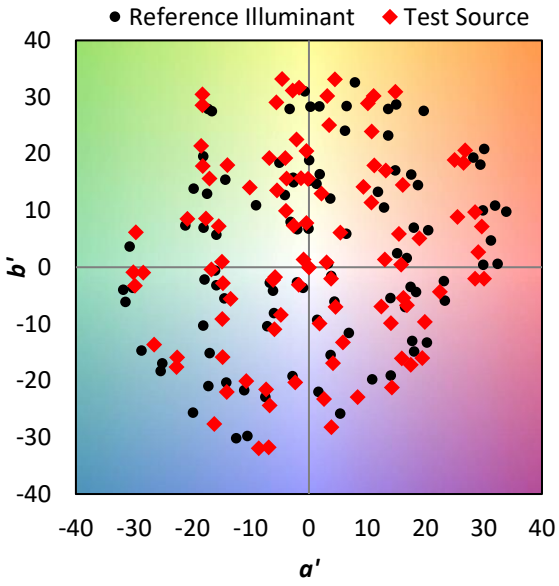
Summary

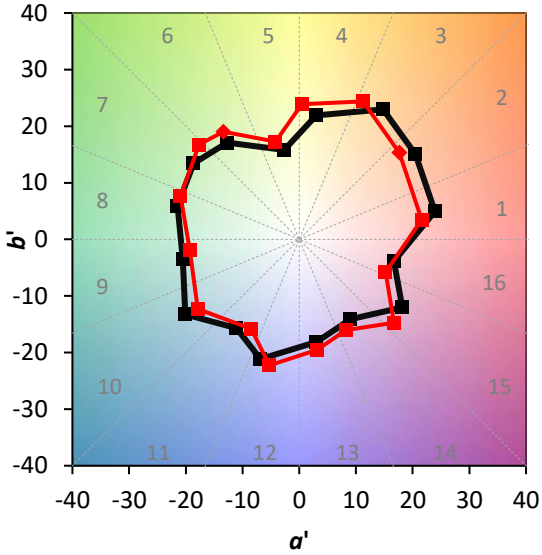
R_f = 81.5
R_g = 99.2
CIE R_a = 81.0
R_9 = 7.1

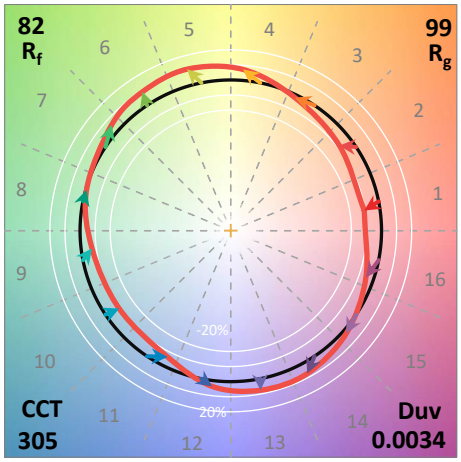
Spectral Power Distribution Comparison

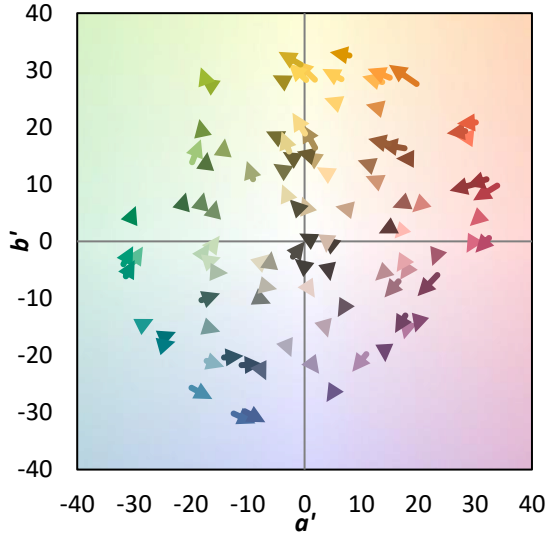


Color Vector Graphics









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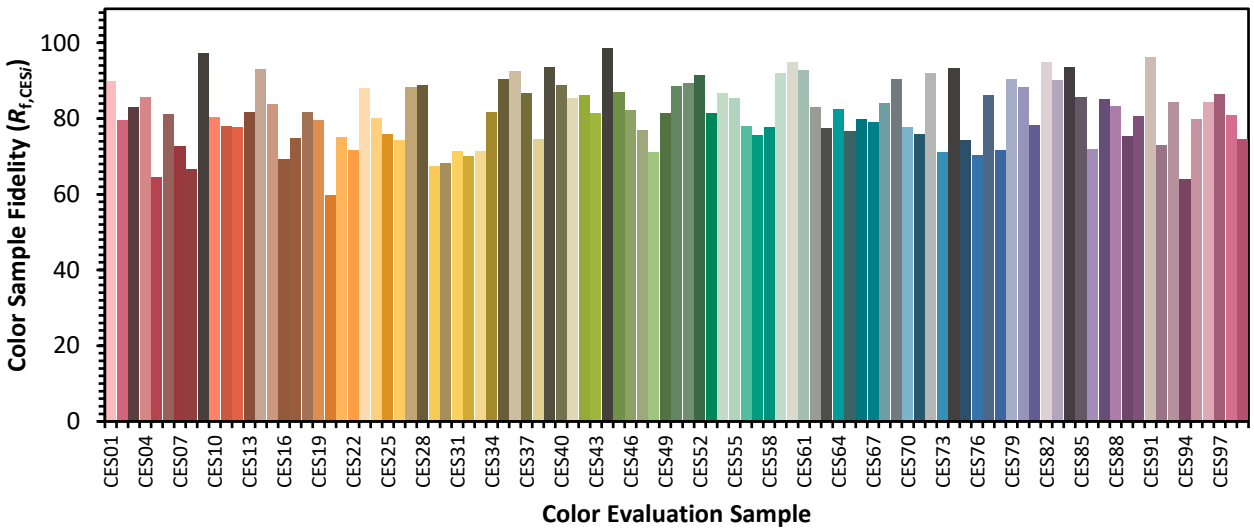
Individual Sample Fidelity Index ($R_{f,i}$)

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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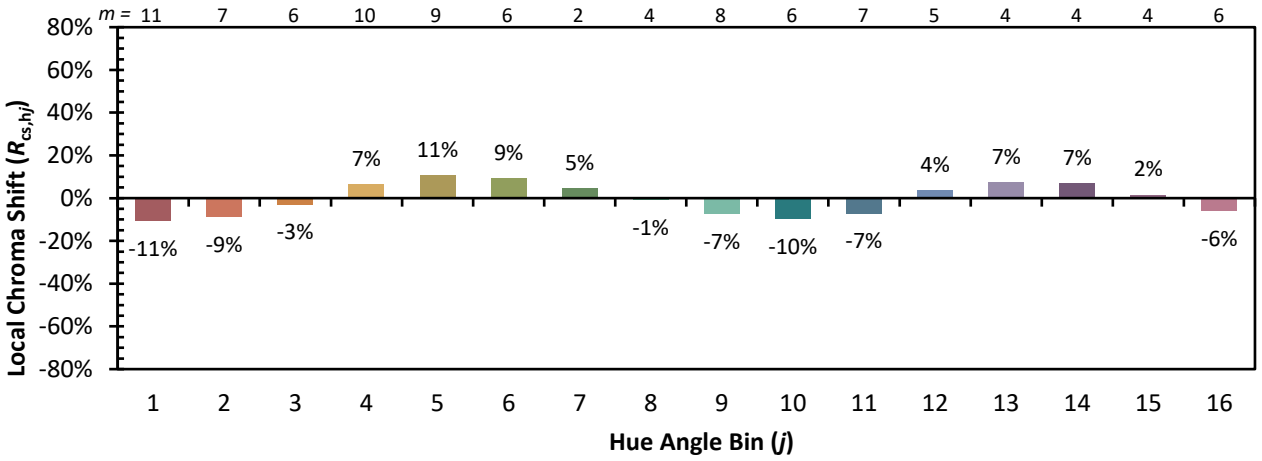
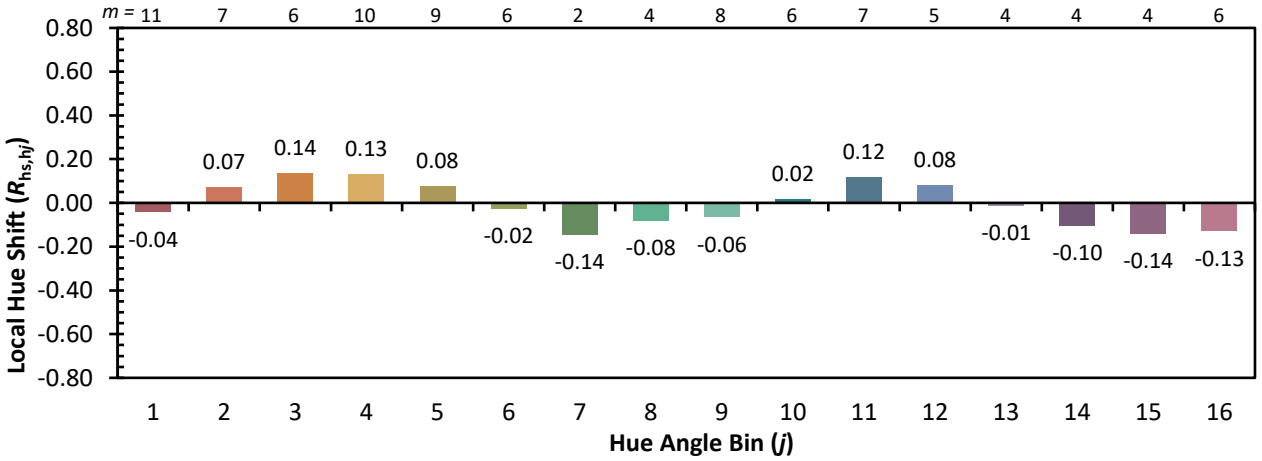
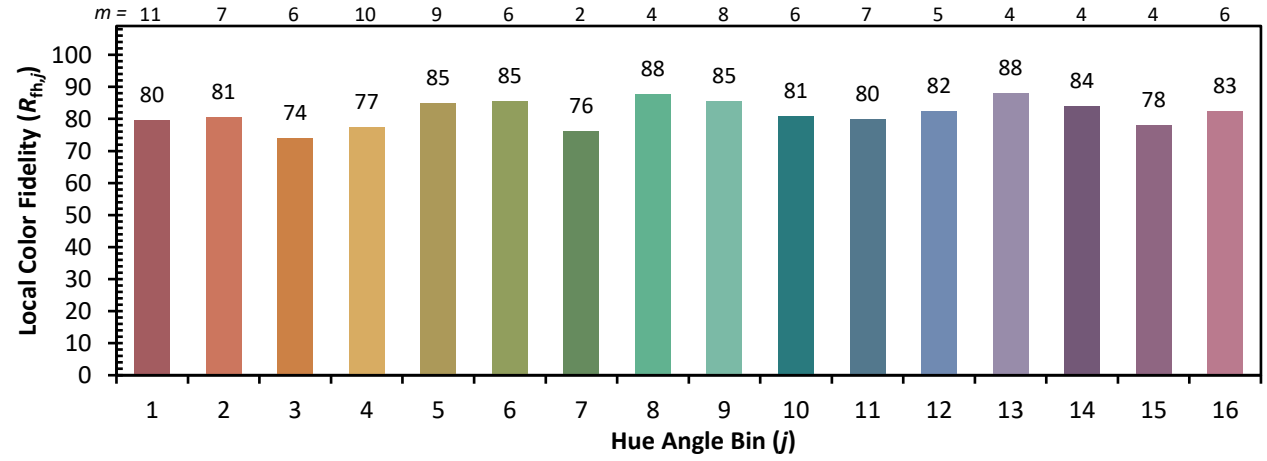
Color Rendition by Hue-Angle Bin







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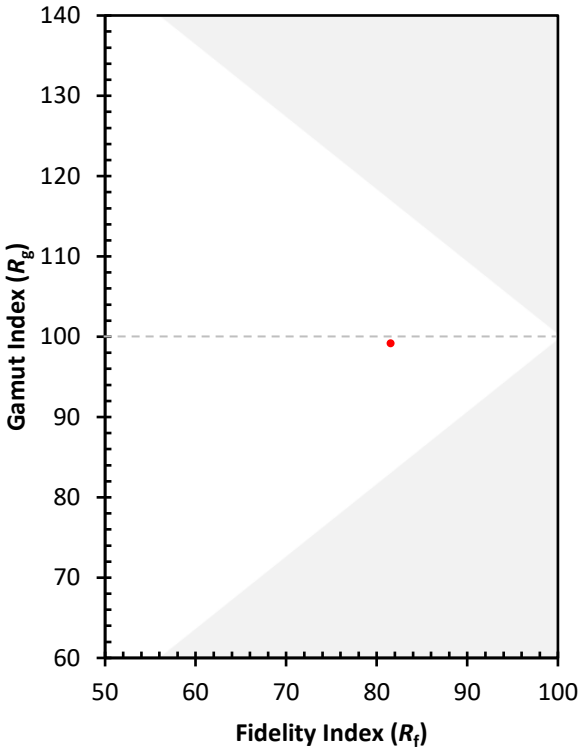
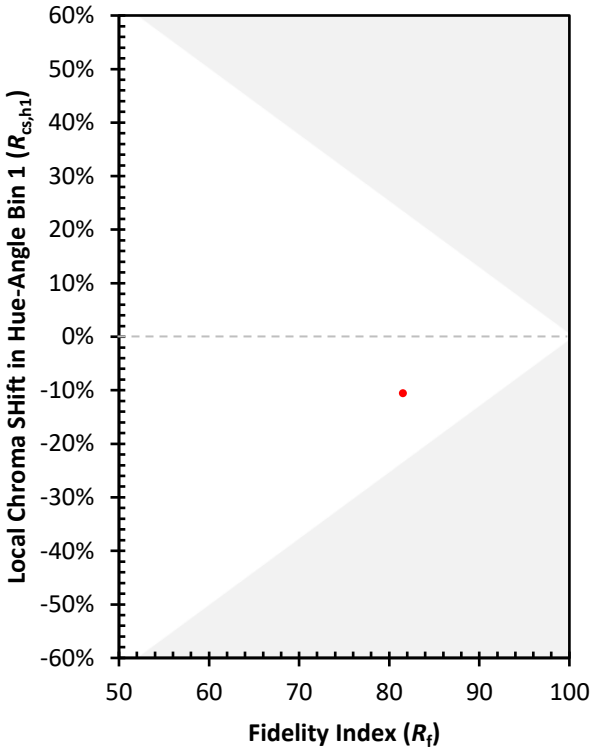
Measure Comparisons





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