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: P319190

Luminaire Tested: **GLEON-SA6A-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:	P319190
	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-SA6A-830-U-T4W
Description:	GALLEON AREA AND ROADWAY LUMINAIRE
	(6) 80 CRI, 3000K, 615mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE IV WIDE OPTICS
Light Source:	-
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	21994 lumens
Efficiency:	N/A
Efficacy:	114.0 lumens/watt
Luminous Opening:	Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification:	Type IV - Short
BUG Rating:	B3 - U0 - G4

Input Watts (W):	193
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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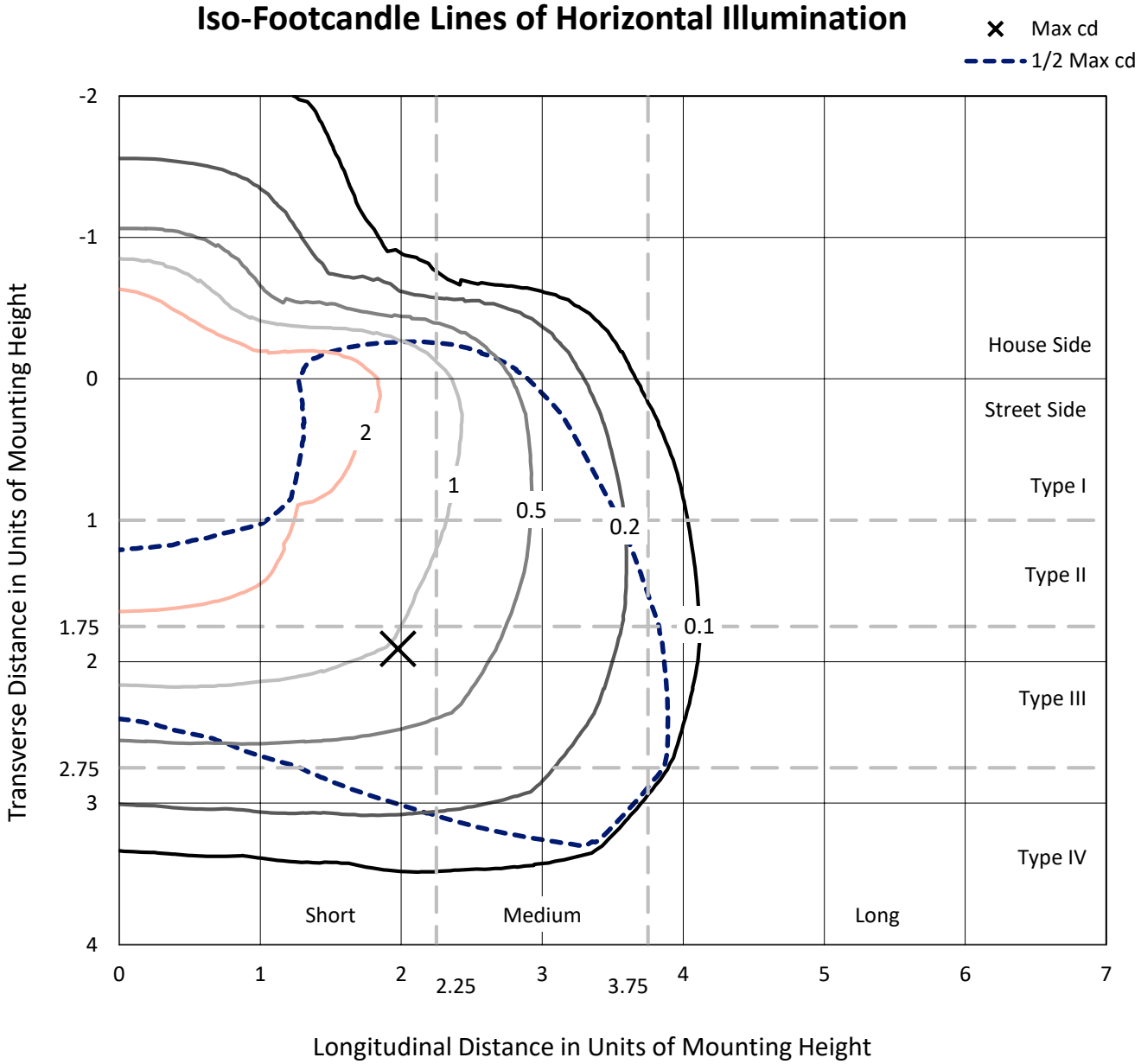
Scaled Data Report

REPORT NUMBER: P319190
CATALOG NUMBER: GLEON-SA6A-830-U-T4W

Iso-Footcandle Lines of Horizontal Illumination



Based on 25 foot mounting height. Maximum calculated value = 4.5 fc
Type IV - Short - N/A

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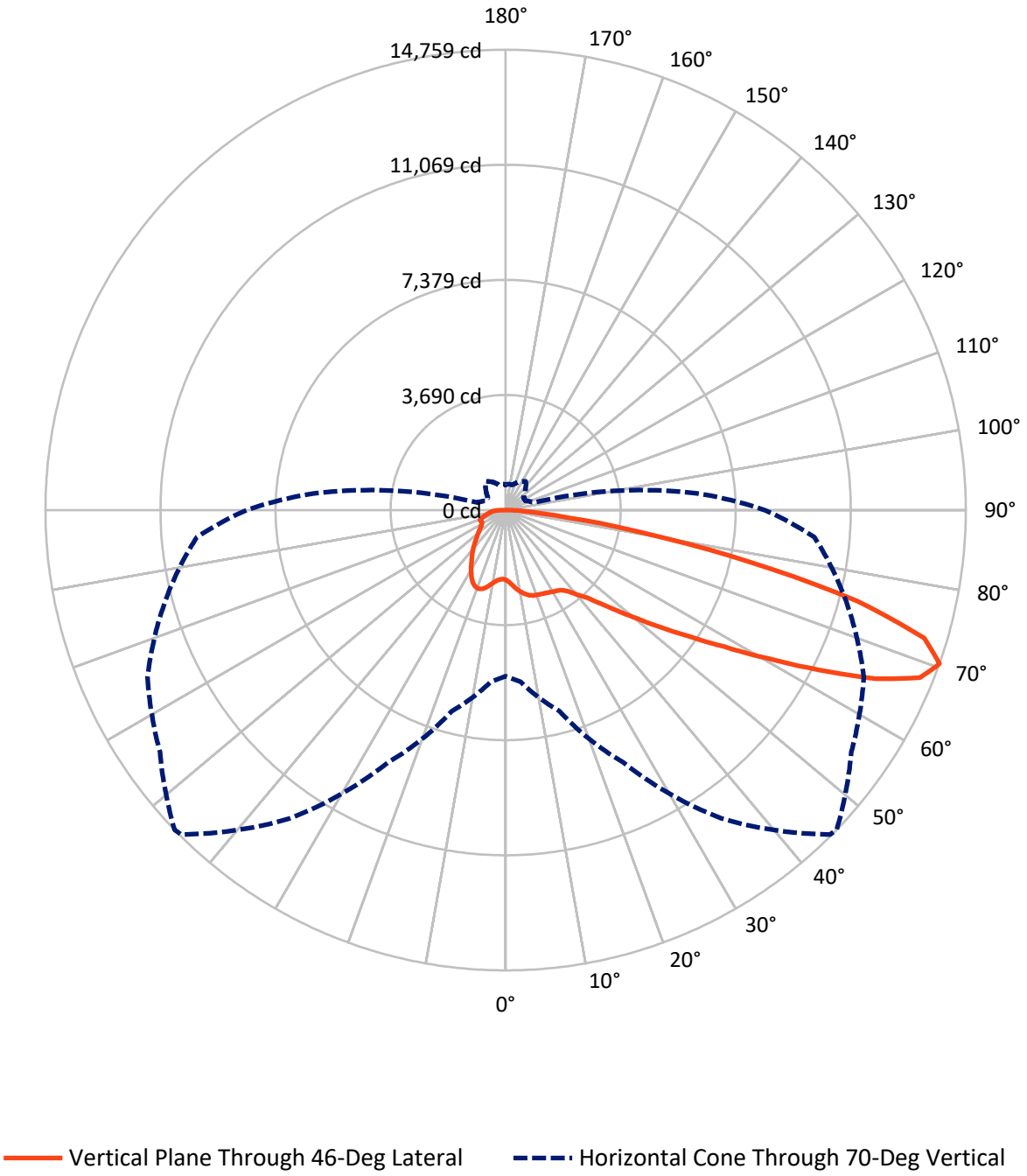
Luminous Intensity Polar Plot



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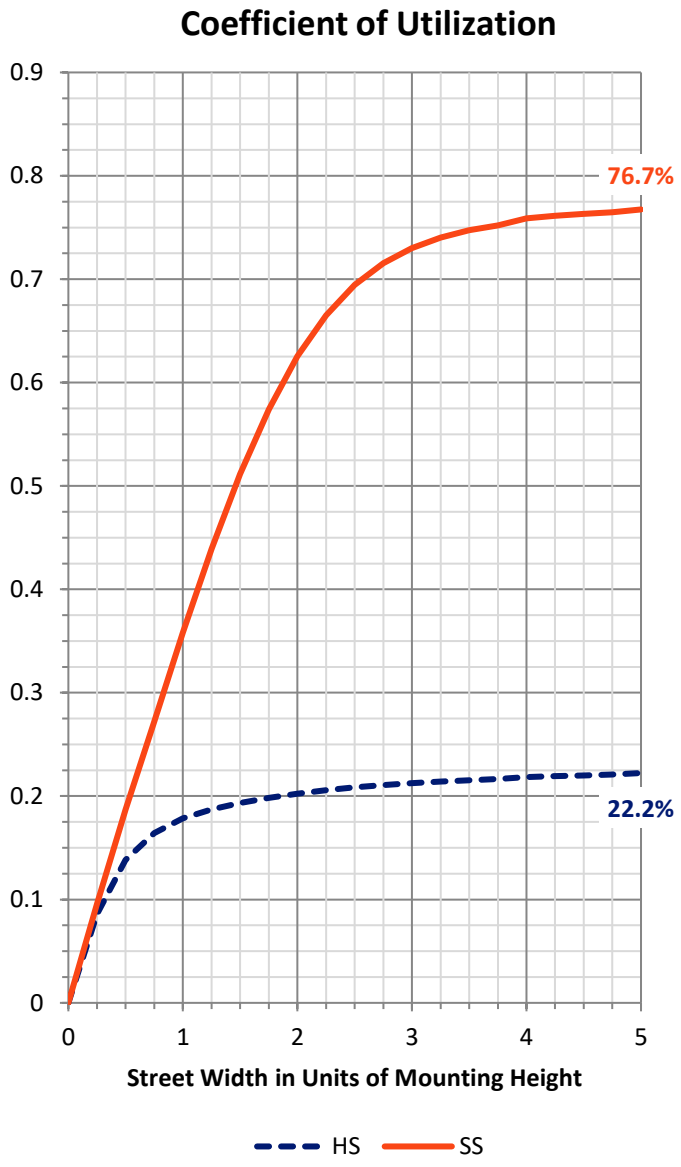
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	5041.0	0.0	5041.0
	% Fixture	22.9	0.0	22.9
Street Side	Lumens	16953.0	0.0	16953.0
	% Fixture	77.1	0.0	77.1
Total	Lumens	21994.0	0.0	21994.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	228.4	1.0
10°-20°	761.1	3.5
20°-30°	1269.0	5.8
30°-40°	1800.7	8.2
40°-50°	2648.8	12.0
50°-60°	4485.7	20.4
60°-70°	6367.4	29.0
70°-80°	3868.3	17.6
80°-90°	564.5	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°	21994.0	100.0
0°-180°	21994.0	100.0



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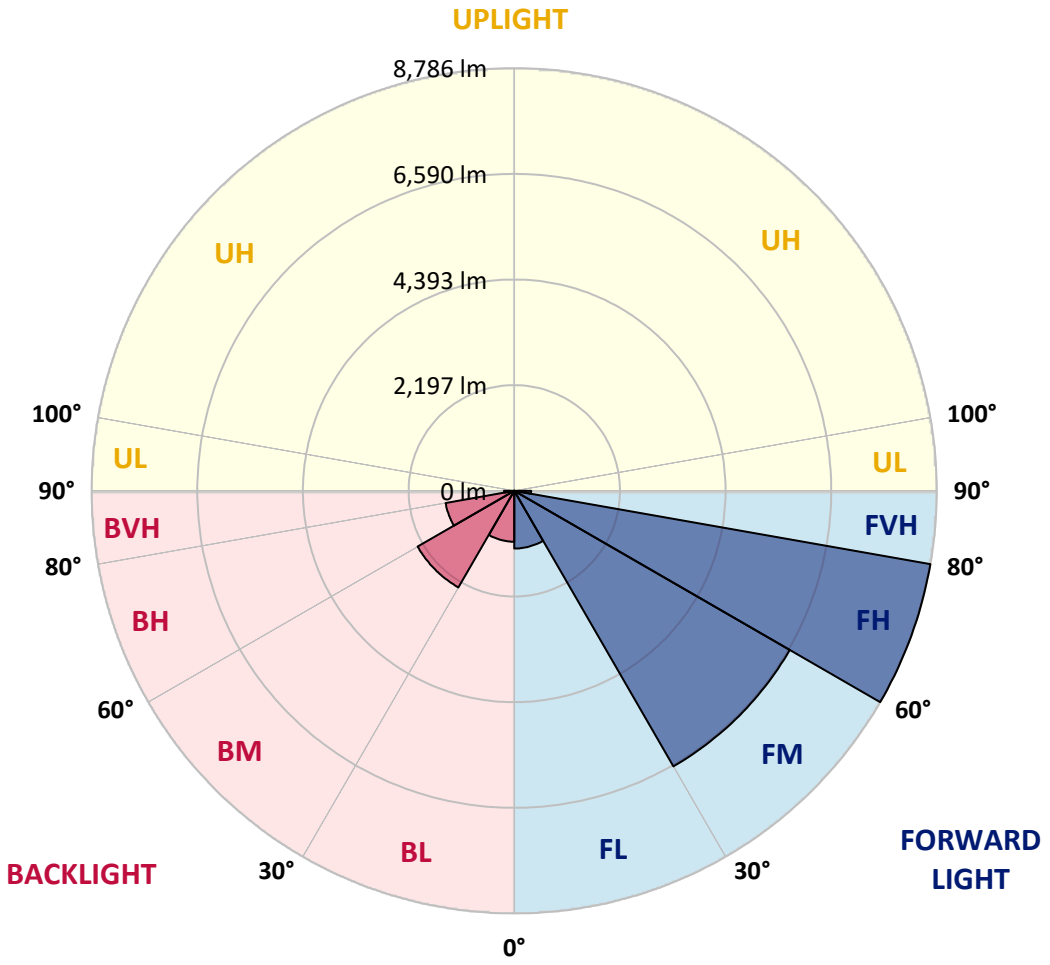
REPORT NUMBER: P319190
CATALOG NUMBER: GLEON-SA6A-830-U-T4W

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	1200.1	5.5			
FM	(30°-60°)	6614.8	30.1			
FH	(60°-80°)	8786.5	39.9			G4/12000
FVH	(80°-90°)	351.7	1.6			G3/500
BL	(0°-30°)	1058.4	4.8	B3/2500		
BM	(30°-60°)	2320.5	10.6	B2/2500		
BH	(60°-80°)	1449.2	6.6	B3/2500		G3/2500
BVH	(80°-90°)	212.9	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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Scaled Data Report

REPORT NUMBER: P319190
CATALOG NUMBER: GLEON-SA6A-830-U-T4W

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	46°	55°	65°	75°	85°
0°	2240.8	2240.8	2240.8	2240.8	2240.8	2240.8	2240.8	2240.8	2240.8	2240.8	2240.8
2.5°	2352.9	2354.4	2357.4	2349.9	2328.8	2322.8	2320.5	2298.7	2284.4	2263.3	2245.3
5°	2541.1	2542.6	2538.1	2517.0	2470.3	2435.7	2432.7	2383.0	2337.9	2289.7	2253.6
7.5°	2737.5	2739.8	2725.5	2685.6	2620.1	2559.9	2556.1	2488.4	2419.9	2346.9	2292.7
10°	2911.4	2902.4	2879.0	2823.3	2745.8	2672.0	2669.0	2598.3	2519.3	2431.2	2358.9
12.5°	3027.3	3019.8	2989.7	2921.9	2836.9	2769.1	2763.1	2697.6	2620.9	2524.5	2438.0
15°	3091.3	3096.6	3055.9	2979.1	2896.4	2839.1	2833.9	2787.2	2718.7	2621.6	2522.3
17.5°	3099.6	3104.1	3065.0	2988.9	2921.2	2882.0	2879.8	2848.9	2799.3	2705.9	2602.0
20°	3051.4	3054.4	3022.1	2959.6	2915.2	2903.1	2902.4	2888.8	2851.9	2769.1	2668.3
22.5°	2981.4	2983.7	2960.3	2915.2	2900.1	2918.9	2924.2	2918.9	2892.6	2815.1	2720.2
25°	2964.1	2962.6	2938.5	2892.6	2905.4	2945.3	2952.1	2954.3	2936.2	2868.5	2786.5
27.5°	3047.6	3042.4	2996.5	2922.7	2931.0	2979.1	2988.2	3010.0	2998.7	2939.3	2861.7
30°	3289.3	3280.2	3186.1	3037.1	2996.5	3021.3	3032.6	3067.2	3069.5	3019.8	2961.8
32.5°	3697.2	3685.9	3517.3	3250.9	3107.1	3064.2	3074.7	3126.7	3154.5	3116.1	3053.7
35°	4212.8	4200.0	3978.7	3614.4	3292.3	3146.2	3153.8	3195.2	3250.9	3196.7	3113.9
37.5°	4750.2	4719.4	4506.4	4041.9	3586.6	3321.6	3321.6	3326.9	3353.2	3240.3	3184.6
40°	5284.6	5253.8	5061.1	4544.7	3967.4	3597.9	3580.5	3463.9	3442.8	3345.7	3326.9
42.5°	5781.4	5772.4	5658.7	5113.0	4414.5	3869.6	3845.5	3647.5	3652.1	3591.8	3592.6
45°	6309.8	6309.8	6217.2	5686.6	4935.4	4306.1	4282.1	3990.8	4035.9	4008.1	4075.1
47.5°	6741.1	6754.6	6741.8	6284.2	5541.3	4860.9	4817.2	4466.5	4592.9	4688.5	4883.5
50°	7181.4	7202.5	7204.7	6939.8	6273.7	5520.2	5470.6	5098.0	5380.2	5654.2	6037.3
52.5°	7820.4	7867.9	7678.9	7593.9	7170.9	6303.0	6254.1	5910.1	6381.3	6765.9	7426.0
55°	8412.8	8371.4	8236.7	8289.4	8131.3	7194.2	7157.3	6855.5	7496.8	7996.6	8853.9
57.5°	8733.5	8730.5	8865.9	9091.7	9167.0	8293.1	8262.3	7968.7	8754.5	9130.1	10194.4
60°	9109.8	9115.1	9450.8	9963.4	10273.5	9661.5	9648.0	9425.2	9976.2	10188.4	11245.9
62.5°	9162.5	9257.3	9835.4	10717.6	11309.2	11260.2	11290.3	10737.1	11069.1	11032.9	12031.0
65°	8556.6	8681.5	9727.8	10945.6	12338.8	13008.7	13036.6	12056.6	11930.9	11754.8	12311.8
67.5°	7314.6	7499.8	8636.4	10449.6	12678.3	14301.1	14340.2	13079.5	12645.9	11999.4	11635.8
70°	5323.0	5528.5	6672.6	8924.6	12073.1	14714.3	14758.7	13531.9	12673.0	11303.1	9933.2
72.5°	3215.5	3376.6	4319.7	6570.2	10189.9	13961.6	14040.7	12958.3	11570.4	9574.2	7335.0
75°	1412.0	1517.4	2088.7	3786.0	7295.1	11551.5	11650.1	11091.6	9401.1	6957.9	4335.5
77.5°	601.4	631.5	856.6	1644.6	4124.0	7893.5	8028.9	8104.2	6378.3	3786.0	1832.0
80°	374.8	386.9	484.7	744.4	1929.9	4433.3	4579.4	4768.3	3167.3	1391.7	639.8
82.5°	228.1	241.6	322.2	450.1	1004.8	2009.7	2079.7	2212.9	1229.1	601.4	331.2
85°	137.0	146.8	197.2	284.5	572.0	790.3	789.6	873.1	578.8	386.9	174.6
87.5°	65.5	73.0	105.4	147.5	288.3	296.6	277.7	314.6	351.5	253.7	88.1
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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Scaled Data Report

REPORT NUMBER: P319190
CATALOG NUMBER: GLEON-SA6A-830-U-T4W

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	2240.8	2240.8	2240.8	2240.8	2240.8	2240.8	2240.8	2240.8	2240.8	2240.8	2240.8
2.5°	2239.3	2236.2	2226.5	2218.9	2217.4	2212.9	2209.1	2211.4	2214.4	2215.2	2215.2
5°	2238.5	2230.2	2217.4	2212.2	2218.9	2228.0	2239.3	2254.3	2263.3	2270.1	2274.6
7.5°	2274.6	2258.8	2244.5	2241.5	2255.1	2279.1	2304.7	2336.3	2358.2	2373.2	2376.2
10°	2334.8	2315.3	2301.0	2304.0	2328.1	2362.7	2398.8	2439.5	2472.6	2492.9	2494.4
12.5°	2404.1	2385.3	2371.7	2384.5	2424.4	2466.6	2504.2	2539.6	2569.7	2590.0	2590.0
15°	2483.9	2470.3	2454.5	2483.9	2538.1	2575.7	2591.5	2608.8	2625.4	2640.4	2637.4
17.5°	2560.7	2547.9	2539.6	2574.2	2630.7	2648.0	2637.4	2624.6	2624.6	2632.9	2634.4
20°	2626.9	2615.6	2620.9	2654.7	2684.1	2666.0	2626.9	2586.2	2569.7	2574.2	2578.7
22.5°	2684.8	2679.6	2695.4	2711.2	2690.1	2626.9	2554.6	2499.7	2479.4	2477.9	2479.4
25°	2752.6	2751.8	2771.4	2742.8	2649.5	2532.8	2435.7	2382.3	2371.0	2380.0	2395.1
27.5°	2836.9	2845.2	2855.0	2750.3	2566.7	2390.5	2291.9	2255.1	2266.3	2288.2	2302.5
30°	2944.5	2967.1	2946.0	2731.5	2447.7	2228.0	2133.9	2123.3	2154.2	2185.1	2200.1
32.5°	3049.1	3084.5	3033.3	2682.6	2294.2	2055.6	1982.6	1979.6	2017.2	2047.3	2068.4
35°	3133.4	3203.4	3098.8	2585.5	2116.6	1896.8	1843.3	1823.0	1836.6	1871.9	1896.0
37.5°	3243.3	3360.0	3144.0	2437.2	1923.9	1765.8	1703.3	1656.7	1644.6	1658.9	1671.0
40°	3444.3	3598.6	3165.1	2230.2	1735.7	1634.8	1571.6	1503.1	1455.7	1421.1	1421.8
42.5°	3772.5	3909.5	3151.5	1978.8	1561.8	1506.9	1435.4	1356.3	1279.6	1201.3	1195.3
45°	4305.4	4371.6	3110.9	1712.4	1409.0	1372.9	1305.9	1226.9	1124.5	1035.7	1027.4
47.5°	5158.2	5011.4	3047.6	1479.8	1274.3	1259.3	1197.5	1106.5	998.1	926.6	920.5
50°	6321.1	5935.0	3016.8	1294.6	1155.4	1159.9	1109.5	1013.1	910.8	858.1	852.0
52.5°	7712.1	7010.6	3076.2	1151.6	1059.8	1075.6	1038.0	947.6	861.8	820.4	814.4
55°	9155.0	8124.5	3140.2	1047.7	969.5	1000.3	987.5	913.0	835.5	797.1	791.8
57.5°	10390.1	8956.3	3012.3	963.4	888.9	937.1	948.4	891.2	821.9	787.3	781.3
60°	11167.7	9291.2	2676.6	884.4	824.9	886.7	925.8	885.2	827.2	824.2	819.7
62.5°	11536.5	9261.9	2173.0	821.9	785.1	864.8	942.4	919.0	887.4	914.5	916.8
65°	11370.9	8819.3	1618.3	780.5	756.5	873.1	992.0	983.0	904.7	931.8	935.6
67.5°	10281.0	7763.2	1198.3	744.4	724.8	896.5	1082.4	1004.1	870.9	890.4	878.4
70°	*8309.7*	*6154.7*	*924.3*	*703.8*	*692.5*	*893.4*	*1123.0*	*991.3*	*834.0*	*838.5*	*806.1*
72.5°	5730.2	4197.0	751.9	666.1	645.8	814.4	1094.4	959.7	803.1	768.5	725.6
75°	3116.1	2252.8	639.0	627.0	563.8	715.1	1041.7	937.1	775.3	729.4	705.3
77.5°	1226.1	934.8	554.7	573.5	493.0	631.5	983.0	894.2	736.9	676.7	664.6
80°	500.5	477.2	459.9	496.0	423.8	552.5	912.3	843.8	691.0	627.7	603.7
82.5°	283.8	296.6	357.5	391.4	344.0	508.8	878.4	803.1	636.0	562.3	533.7
85°	145.3	173.9	249.1	280.8	252.9	432.8	809.1	703.0	510.3	430.5	432.8
87.5°	70.0	97.1	157.3	176.1	164.1	313.1	604.4	509.6	397.4	314.6	304.8
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

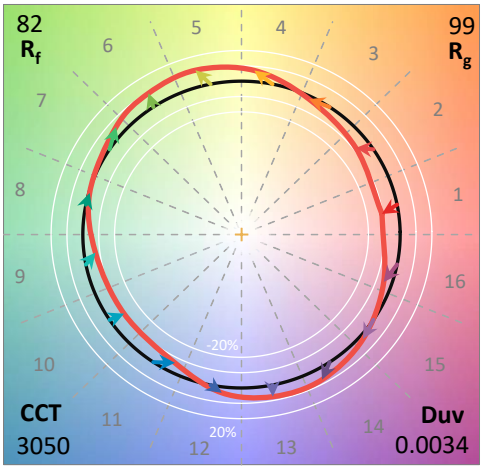
Test Information

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

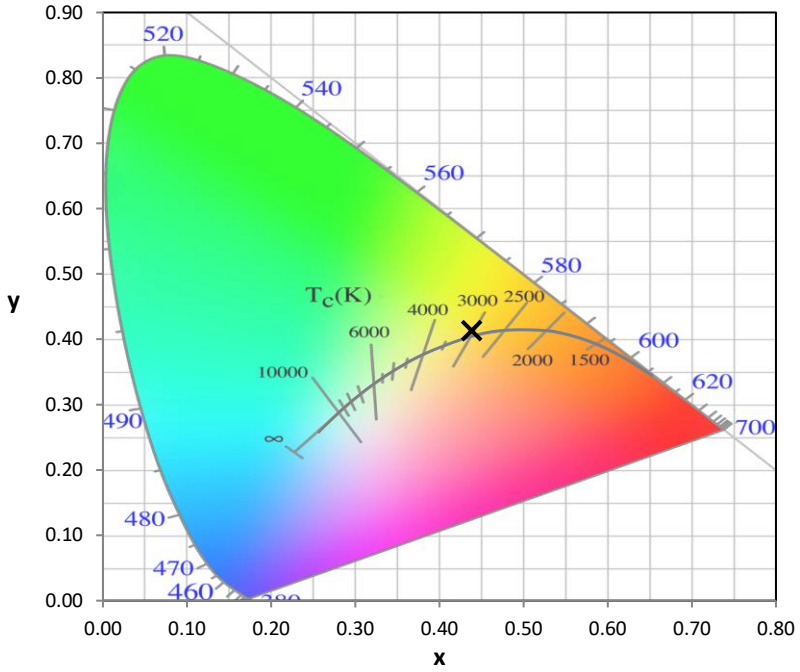
Stabilization Time:	20M
Operation Time:	1H 20M
Sphere Temperature (°C):	24.2

REPORT NUMBER: SP1-2408-195-9

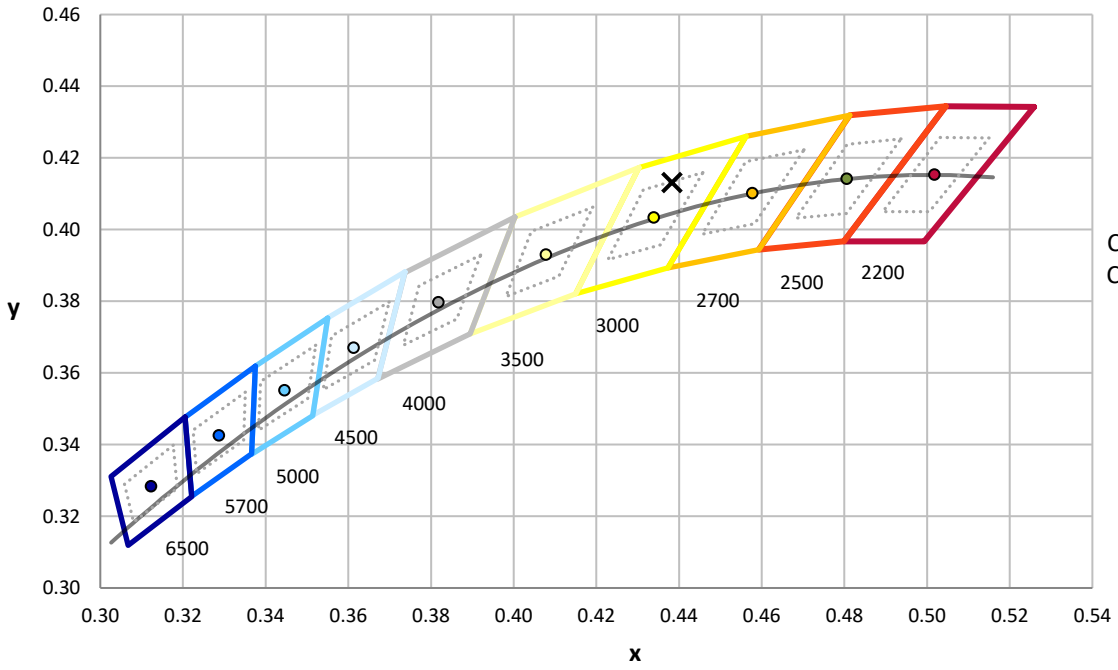
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

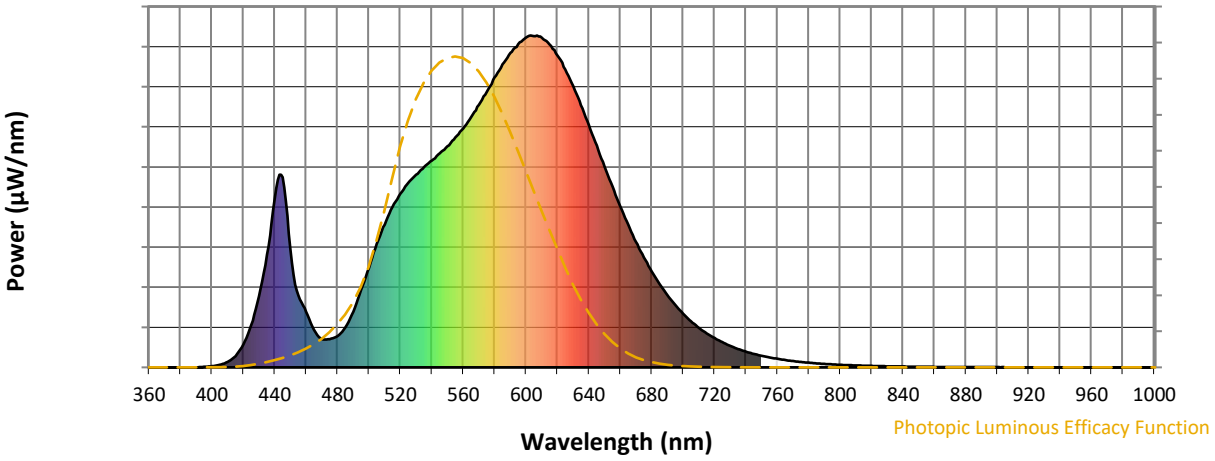


CCT = 3050K
CIE x = 0.4383
CIE y = 0.4131
Duv = 0.0034

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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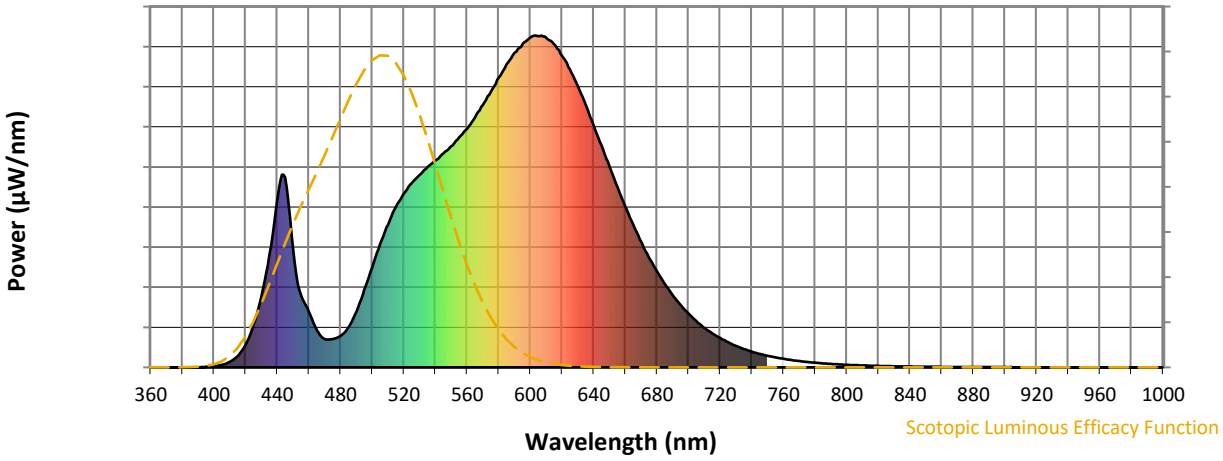
Scotopic Flux vs. Wavelength



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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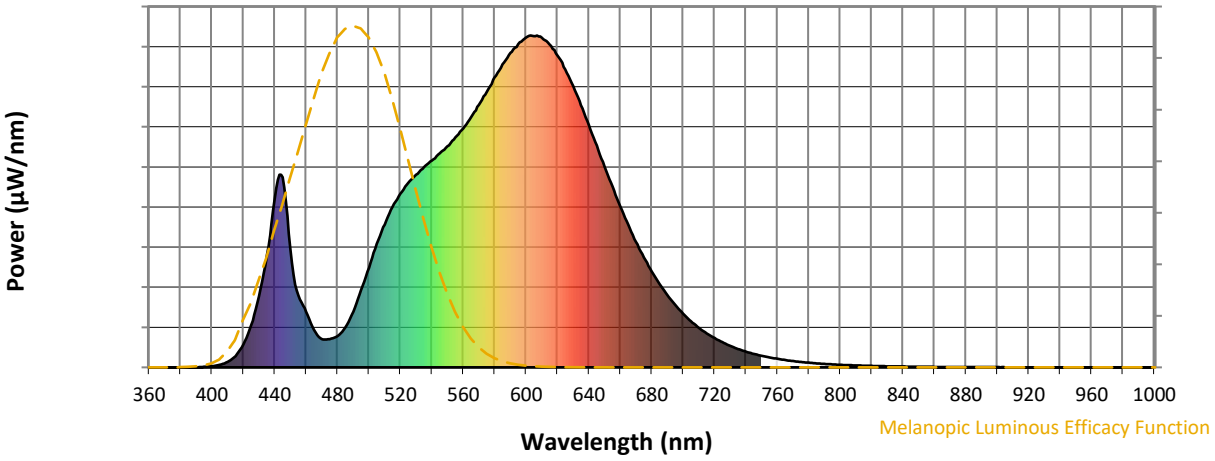
Melanopic Flux vs. Wavelength



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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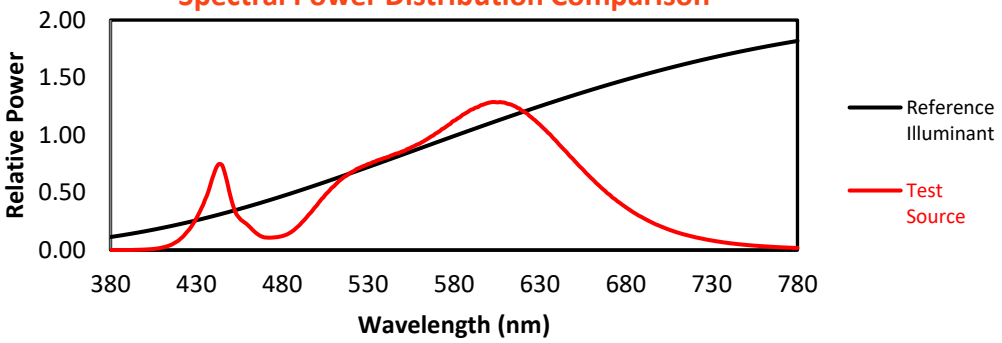
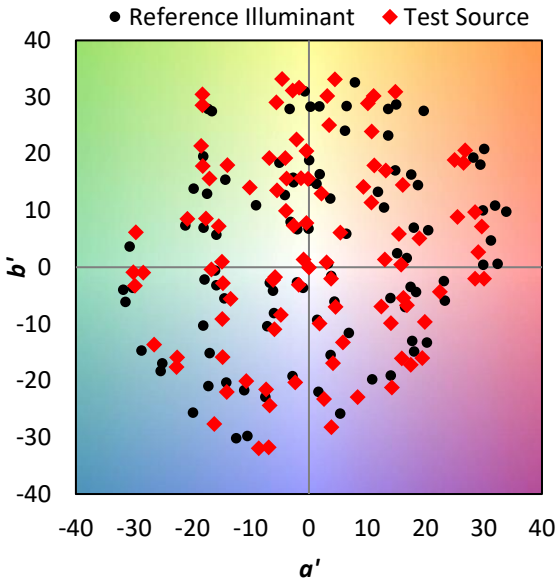
Summary

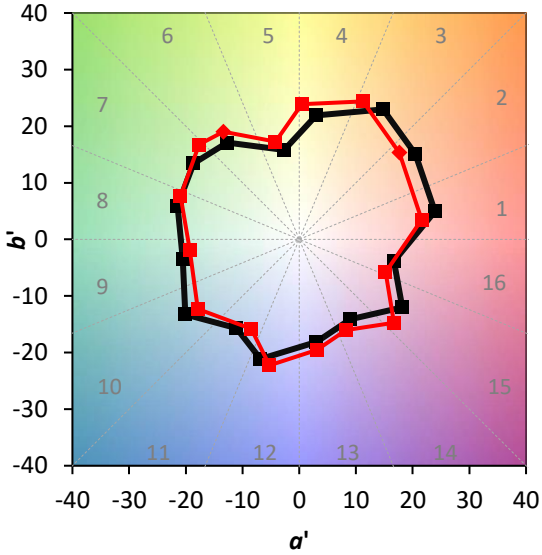
R_f = 81.5
R_g = 99.2
CIE R_a = 81.0
R_9 = 7.1

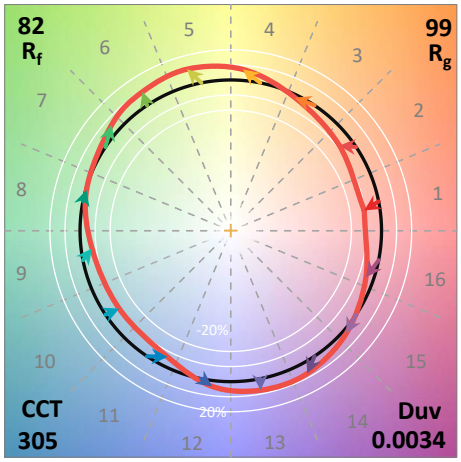
Spectral Power Distribution Comparison

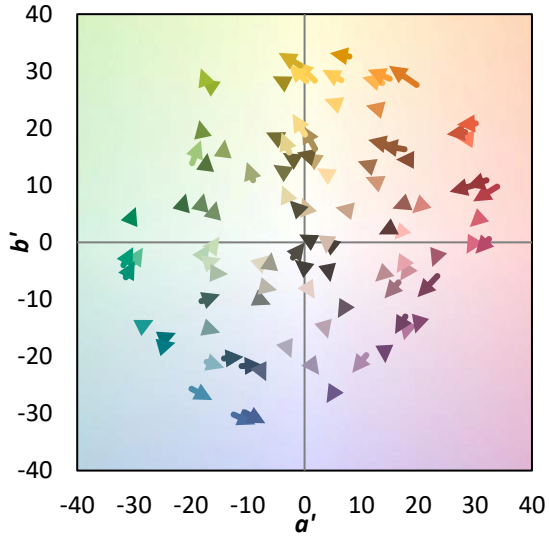


Color Vector Graphics









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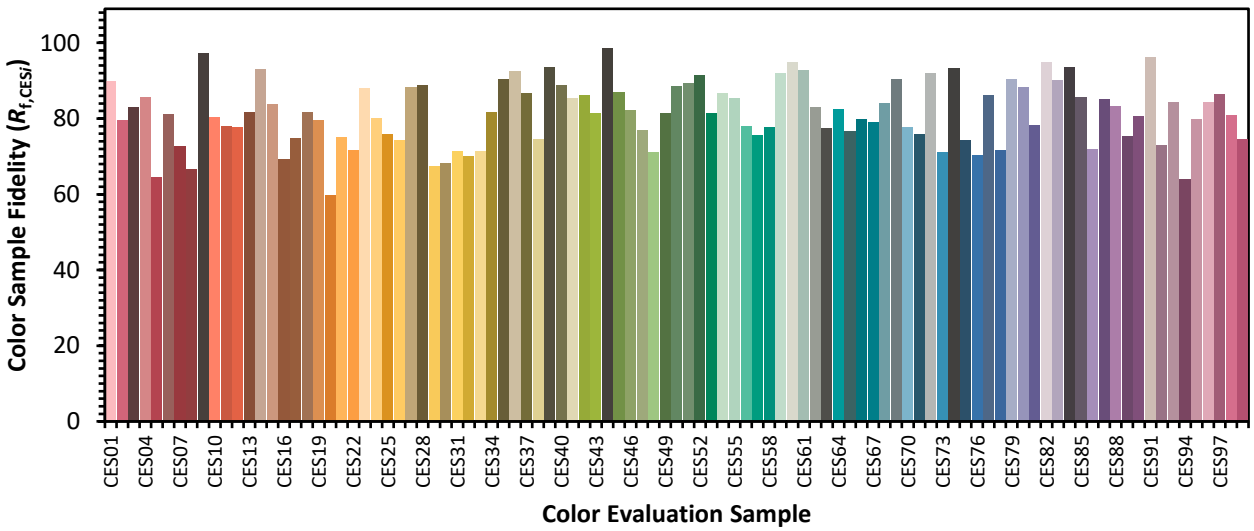
Individual Sample Fidelity Index ($R_{f,i}$)

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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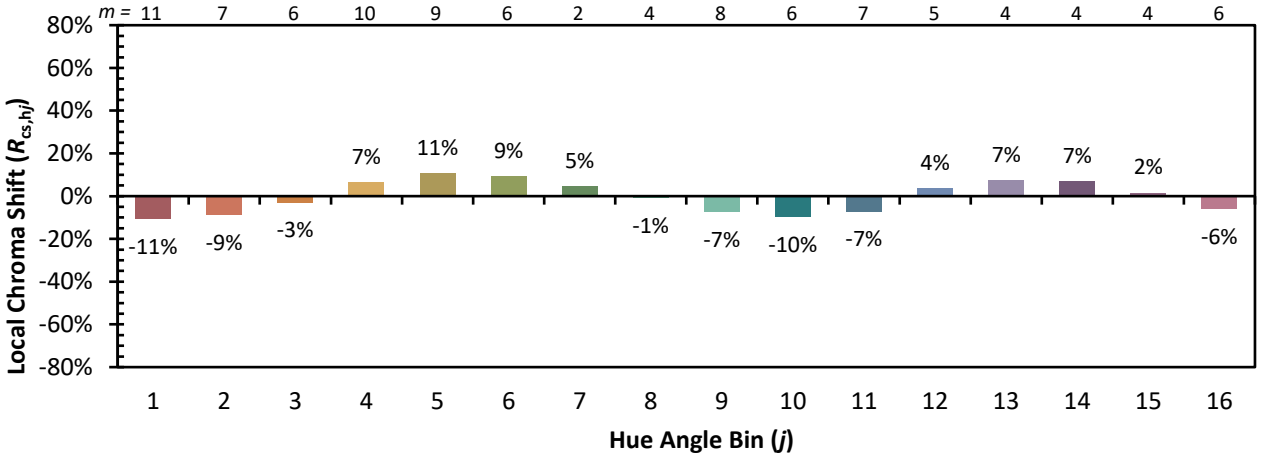
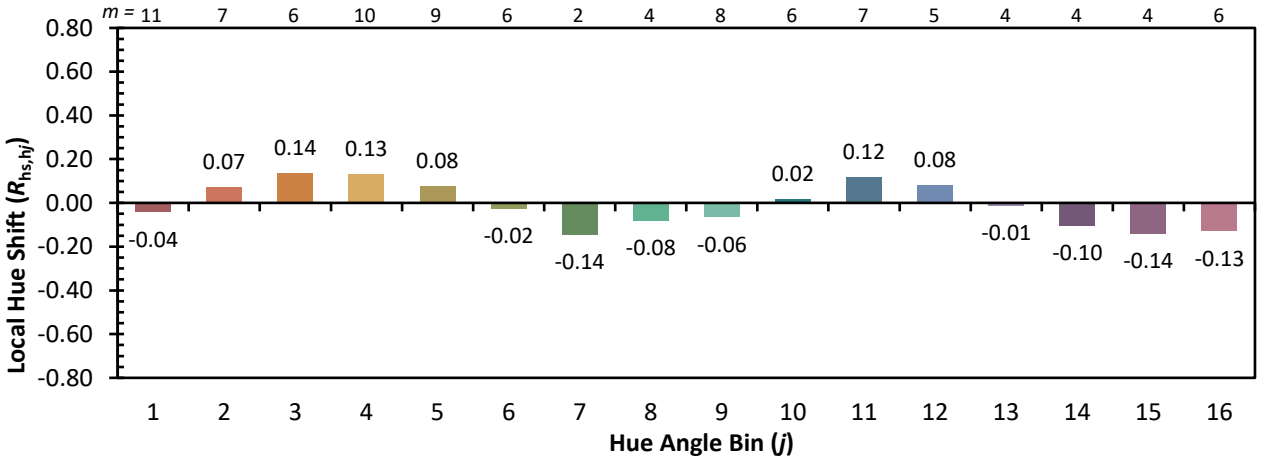
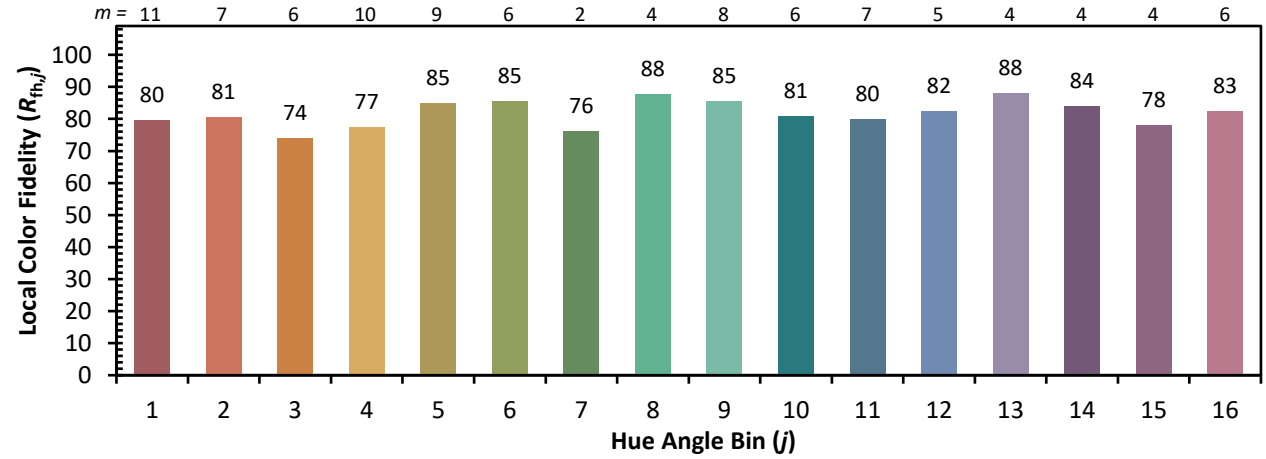
Color Rendition by Hue-Angle Bin







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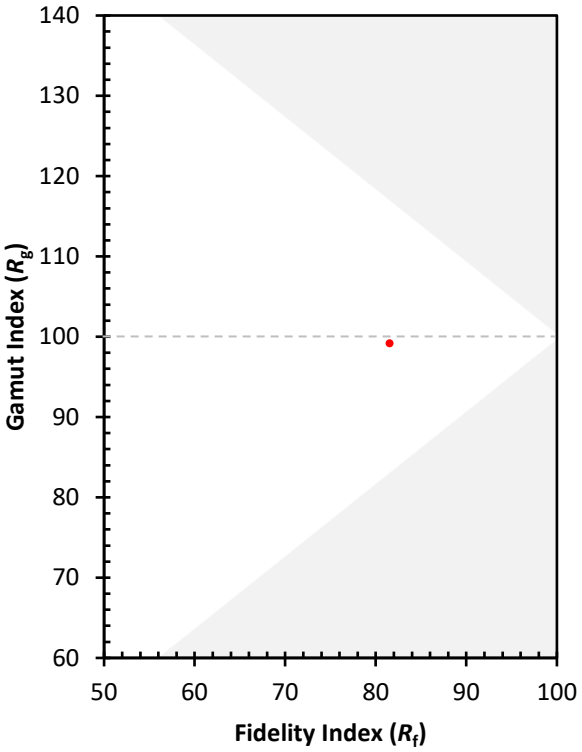
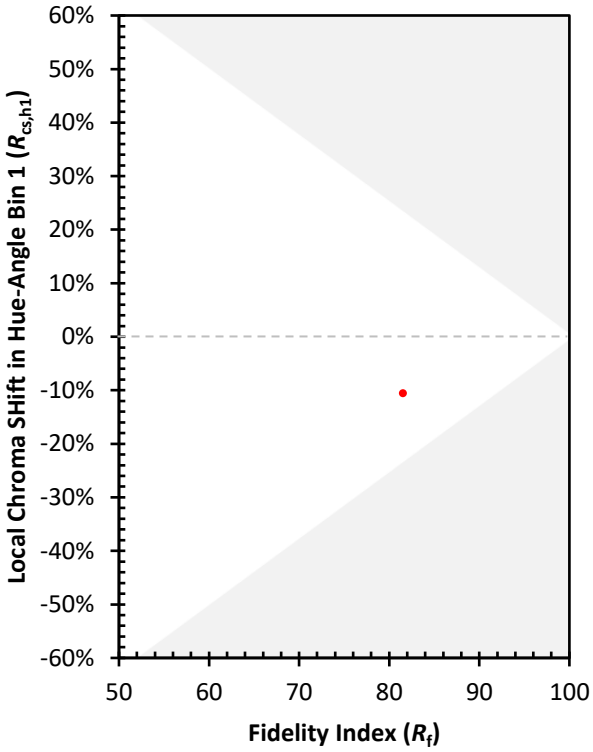
Measure Comparisons





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