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: P317917

Luminaire Tested: **GLEON-SA3B-830-U-T3R**

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:	P317917
	TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-10)
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-T3R
Description:	GALLEON AREA AND ROADWAY LUMINAIRE
	(3) 80 CRI, 3000K, 800mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III ROADWAY OPTICS
Light Source:	-
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	14175 lumens
Efficiency:	N/A
Efficacy:	114.3 lumens/watt
Luminous Opening:	Rectangular (W 1' x L: 1' x H: 0')
IES Classification:	Type IV - Medium
BUG Rating:	B2 - U0 - G3

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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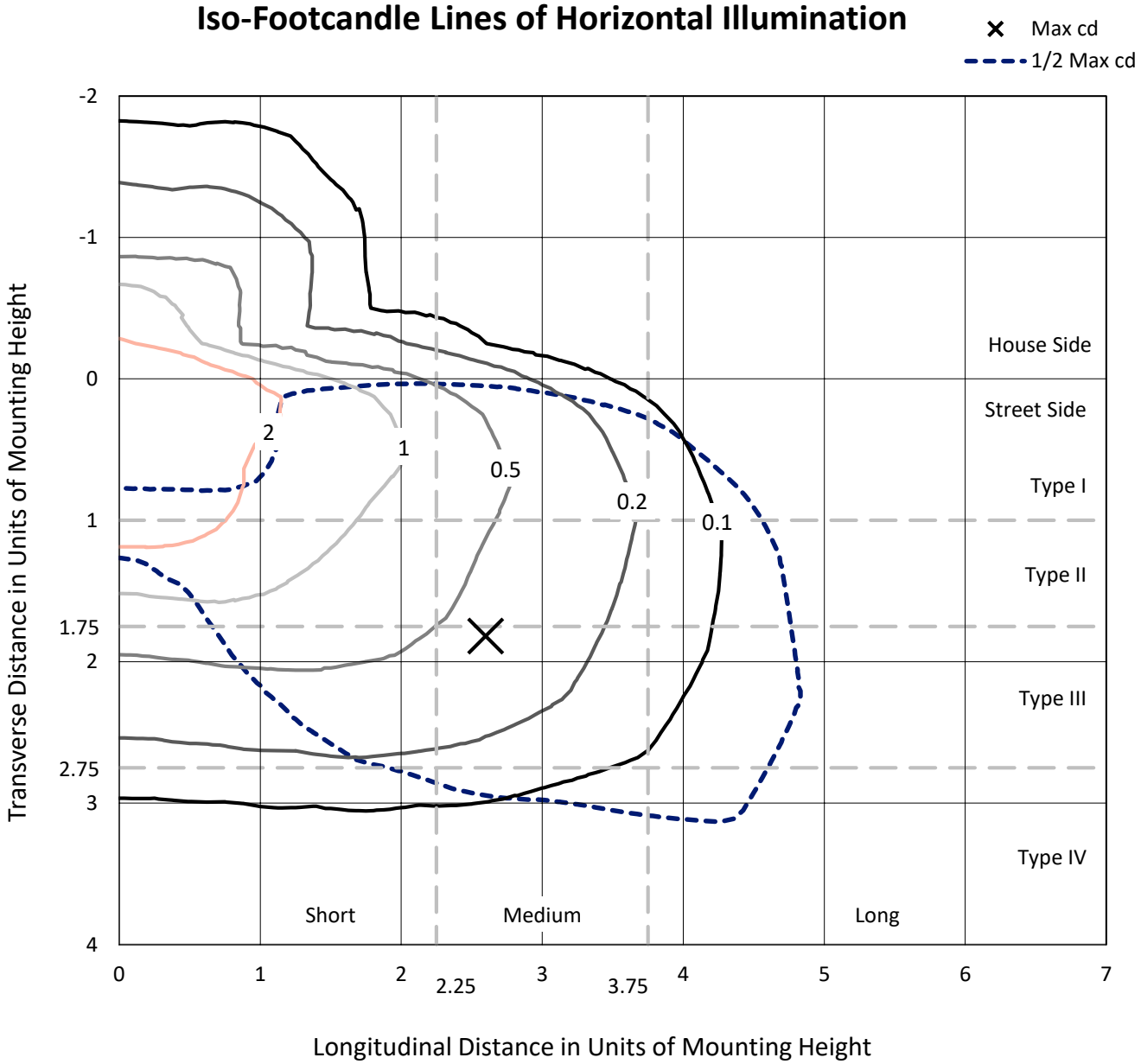
Scaled Data Report

REPORT NUMBER: P317917
CATALOG NUMBER: GLEON-SA3B-830-U-T3R

Iso-Footcandle Lines of Horizontal Illumination



Based on 25 foot mounting height. Maximum calculated value = 4 fc
Type IV - Medium - N/A

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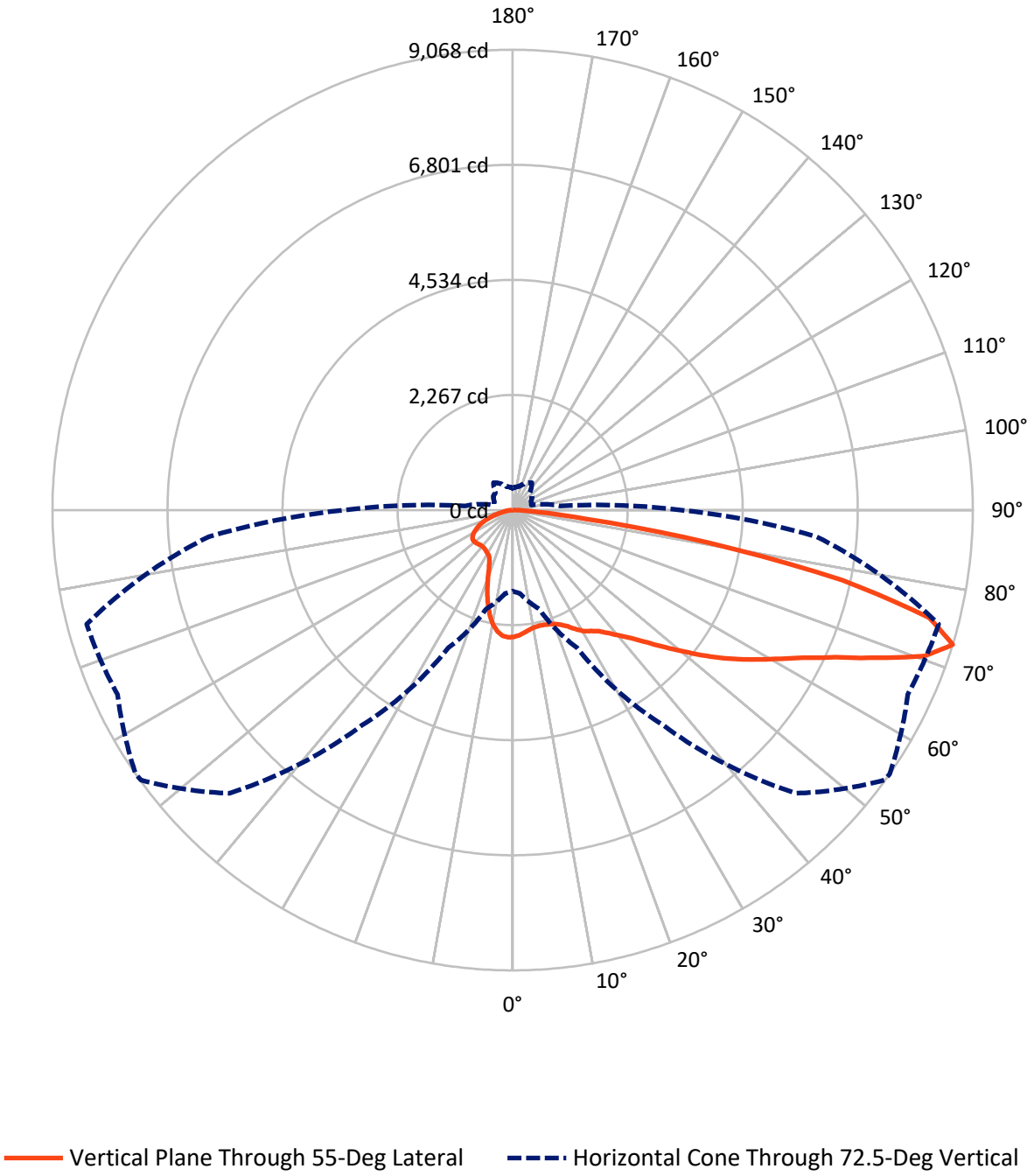
Luminous Intensity Polar Plot



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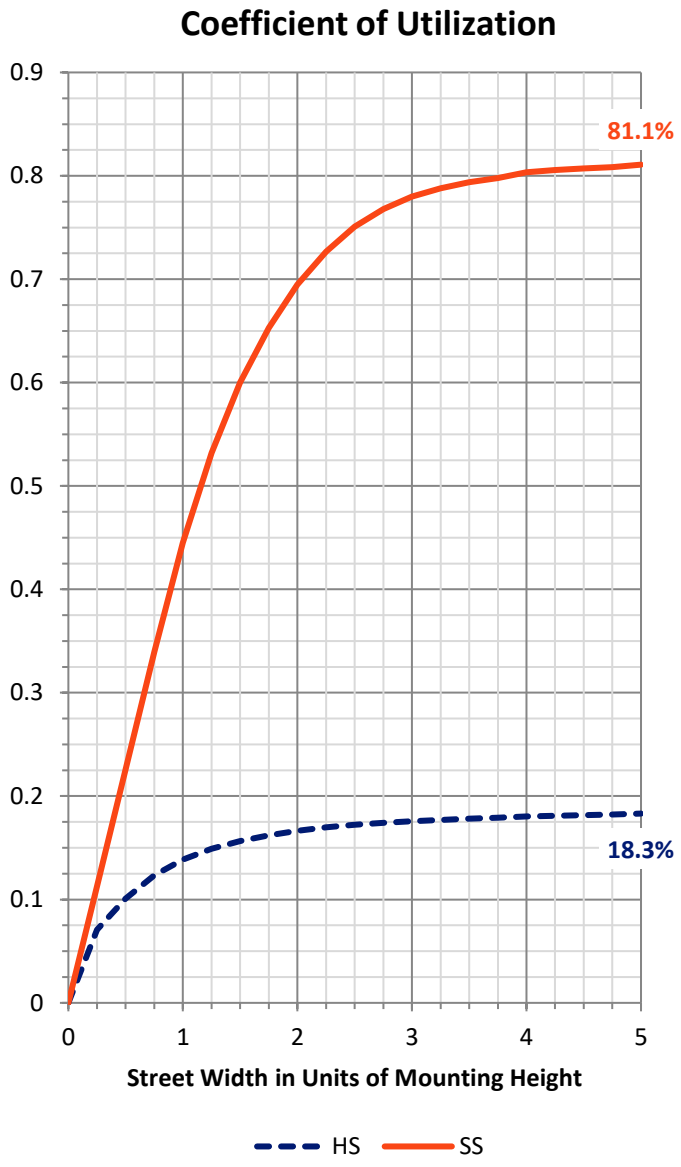
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2634.7	0.0	2634.7
	% Fixture	18.6	0.0	18.6
Street Side	Lumens	11540.3	0.0	11540.3
	% Fixture	81.4	0.0	81.4
Total	Lumens	14175.0	0.0	14175.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	226.2	1.6
10°-20°	602.3	4.2
20°-30°	993.1	7.0
30°-40°	1469.0	10.4
40°-50°	2050.4	14.5
50°-60°	2669.7	18.8
60°-70°	3281.0	23.1
70°-80°	2571.9	18.1
80°-90°	311.2	2.2
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°	14175.0	100.0
0°-180°	14175.0	100.0



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REPORT NUMBER: P317917
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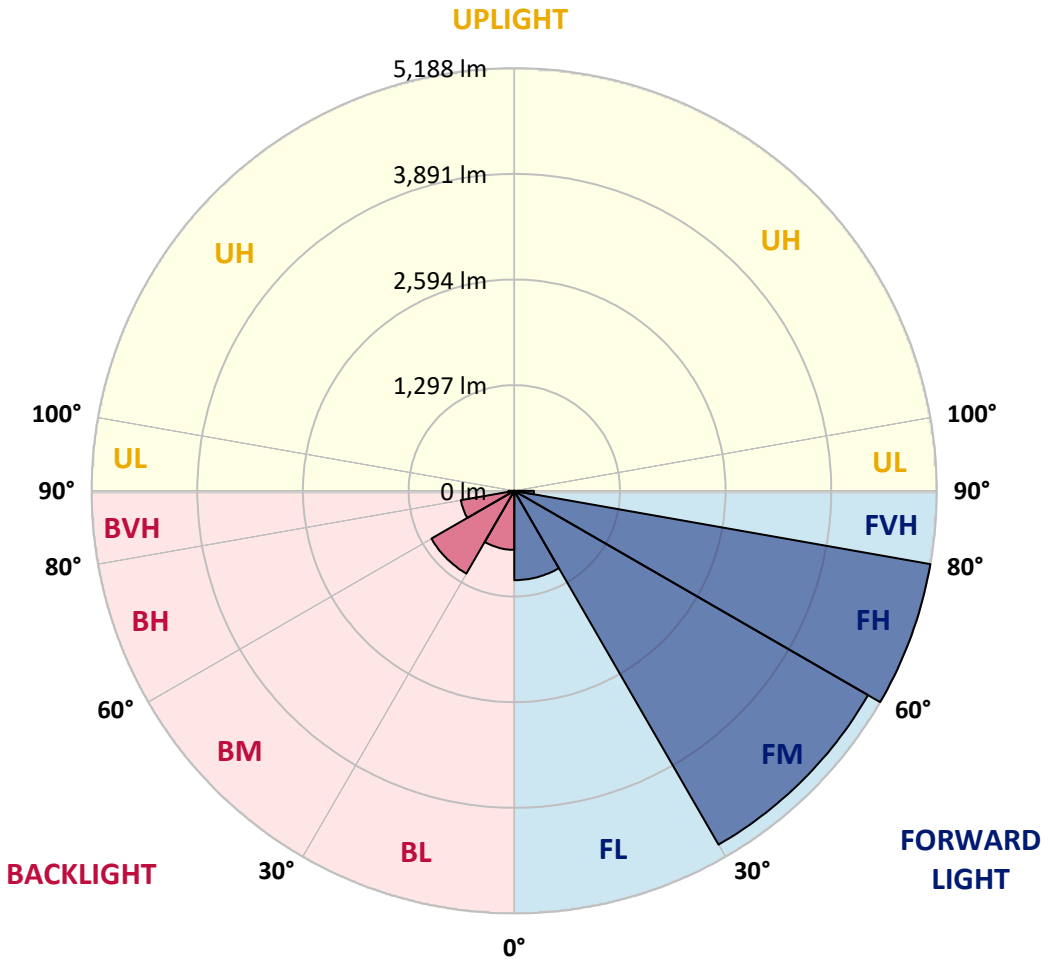
LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	1096.7	7.7			
FM	(30°-60°)	5015.4	35.4			
FH	(60°-80°)	5187.6	36.6			G3/7500
FVH	(80°-90°)	240.6	1.7			G3/500
BL	(0°-30°)	724.9	5.1	B2/1000		
BM	(30°-60°)	1173.8	8.3	B2/2500		
BH	(60°-80°)	665.4	4.7	B2/1000		G2/1000
BVH	(80°-90°)	70.6	0.5			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G3
Type IV Medium



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Scaled Data Report

REPORT NUMBER: P317917
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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	54°	55°	65°	75°	85°
0°	2500.2	2500.2	2500.2	2500.2	2500.2	2500.2	2500.2	2500.2	2500.2	2500.2	2500.2
2.5°	2418.8	2413.0	2420.2	2430.3	2441.3	2456.1	2464.7	2468.6	2483.4	2489.2	2501.6
5°	2306.7	2303.9	2315.8	2333.1	2357.5	2392.0	2419.7	2425.0	2464.3	2492.0	2517.4
7.5°	2225.3	2225.3	2239.2	2259.8	2287.1	2333.6	2372.8	2380.0	2446.5	2506.4	2553.3
10°	2160.7	2163.1	2179.4	2203.8	2235.9	2285.2	2337.4	2345.5	2441.8	2539.9	2614.6
12.5°	2117.6	2123.4	2138.2	2160.2	2200.0	2259.8	2325.9	2336.9	2451.8	2587.8	2688.3
15°	2144.9	2154.5	2155.9	2165.0	2187.0	2252.2	2332.6	2344.1	2473.4	2636.6	2772.1
17.5°	2264.6	2268.0	2253.1	2234.0	2223.4	2265.1	2352.7	2364.7	2499.2	2685.0	2852.5
20°	2446.5	2444.6	2412.5	2360.8	2307.2	2313.9	2385.7	2398.2	2534.2	2727.6	2933.0
22.5°	2676.4	2669.7	2620.3	2525.1	2433.6	2395.3	2443.7	2454.2	2586.8	2788.4	3019.2
25°	2955.0	2940.2	2875.0	2747.2	2612.7	2514.0	2530.8	2540.9	2663.4	2856.4	3098.2
27.5°	3249.0	3234.1	3151.3	2996.7	2817.6	2663.9	2651.0	2659.6	2750.6	2906.6	3156.6
30°	3556.3	3540.5	3464.9	3291.6	3035.0	2819.0	2763.0	2766.4	2811.8	2933.9	3204.4
32.5°	3865.2	3850.3	3765.6	3564.5	3271.0	2985.6	2843.9	2839.6	2848.7	2962.2	3258.5
35°	4178.3	4184.0	4084.9	3862.3	3532.4	3170.9	2939.7	2930.6	2910.5	3020.1	3335.1
37.5°	4513.4	4509.6	4381.3	4148.6	3805.8	3372.0	3077.1	3075.7	3006.2	3129.8	3455.3
40°	4737.5	4739.9	4661.8	4441.6	4082.0	3594.6	3253.3	3249.9	3159.0	3294.0	3612.8
42.5°	4825.1	4840.9	4861.0	4721.2	4371.2	3852.7	3463.5	3458.7	3372.0	3529.5	3798.1
45°	4831.3	4862.9	4987.4	4969.7	4664.2	4148.1	3732.1	3718.6	3656.4	3842.7	4019.3
47.5°	4777.7	4810.3	5017.1	5117.6	4926.1	4459.8	4046.1	4035.6	3982.0	4234.3	4258.7
50°	4660.4	4691.5	4955.8	5189.9	5141.6	4759.5	4408.1	4380.3	4351.6	4686.7	4532.6
52.5°	4440.6	4500.5	4873.9	5207.2	5270.4	5025.7	4788.7	4770.5	4786.3	5164.1	4806.9
55°	3920.2	3987.2	4662.8	5192.8	5365.6	5249.3	5169.3	5168.4	5250.3	5664.9	5101.4
57.5°	3628.6	3676.0	4232.9	5168.4	5478.6	5471.4	5546.1	5555.2	5714.7	6210.2	5409.7
60°	3463.9	3513.7	4015.0	5077.9	5653.9	5758.7	5930.6	5948.8	6186.7	6813.9	5780.7
62.5°	3314.1	3368.7	3880.0	4893.6	5860.2	6169.5	6391.2	6407.5	6686.6	7434.4	6139.3
65°	3057.9	3119.7	3682.3	4772.4	6047.9	6705.2	6976.7	6987.7	7260.6	8084.6	6413.7
67.5°	2696.0	2752.5	3309.3	4504.8	6186.7	7355.9	7755.2	7761.4	7829.9	8543.7	6554.0
70°	2273.2	2294.8	2777.9	3952.3	6022.5	7964.4	8608.4	8609.8	8348.9	8837.7	6531.0
72.5°	1597.2	1647.9	2016.6	2991.9	5175.6	7890.2	9051.2	9067.5	8590.2	8689.3	6009.1
75°	979.6	1033.2	1264.9	1813.1	3283.4	6205.4	8362.8	8475.8	8137.7	7747.5	4908.9
77.5°	655.0	675.1	825.4	1057.1	1487.6	3570.2	6429.5	6642.1	6760.3	5650.0	3139.3
80°	365.3	403.6	547.2	656.9	661.7	1418.6	3855.1	3904.9	3761.3	2249.8	968.6
82.5°	193.4	214.5	365.3	385.9	361.0	474.9	1436.8	1438.2	1201.7	603.3	287.7
85°	149.9	167.6	250.4	235.6	184.3	210.7	474.0	499.8	408.9	247.0	93.8
87.5°	74.7	92.9	170.0	149.4	72.3	60.3	169.5	181.0	161.3	96.7	34.0
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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REPORT NUMBER: P317917
CATALOG NUMBER: GLEON-SA3B-830-U-T3R

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	2500.2	2500.2	2500.2	2500.2	2500.2	2500.2	2500.2	2500.2	2500.2	2500.2	2500.2
2.5°	2506.4	2510.7	2516.0	2510.2	2508.3	2500.6	2487.7	2484.8	2478.1	2478.6	2482.5
5°	2528.4	2535.6	2532.7	2510.7	2484.4	2447.5	2409.2	2376.6	2355.1	2353.7	2352.2
7.5°	2570.5	2575.3	2552.8	2490.1	2416.4	2331.2	2250.7	2180.3	2137.7	2127.2	2124.8
10°	2636.6	2635.7	2573.9	2447.5	2300.5	2148.3	2019.0	1921.3	1864.4	1847.6	1843.3
12.5°	2710.3	2699.3	2581.1	2369.9	2136.8	1925.6	1761.9	1653.2	1593.8	1574.7	1569.9
15°	2786.5	2759.2	2563.4	2254.1	1935.7	1685.8	1513.9	1413.3	1381.3	1370.7	1368.8
17.5°	2857.3	2804.7	2512.6	2097.0	1706.4	1446.9	1312.8	1272.6	1280.2	1294.1	1294.6
20°	2926.8	2835.3	2431.2	1898.8	1464.6	1250.1	1204.6	1234.3	1270.7	1298.9	1302.7
22.5°	2995.2	2856.9	2326.4	1670.0	1248.2	1139.5	1171.6	1225.7	1267.3	1298.0	1303.2
25°	3052.7	2862.1	2181.8	1425.8	1097.8	1097.8	1155.8	1207.0	1248.2	1278.3	1283.6
27.5°	3073.7	2826.7	1977.8	1199.8	1022.2	1078.7	1133.7	1176.4	1211.3	1243.4	1249.1
30°	3081.9	2761.1	1742.3	1018.4	991.1	1058.1	1104.1	1140.4	1173.5	1203.6	1208.9
32.5°	3083.3	2682.1	1492.3	915.4	969.5	1036.5	1067.2	1099.3	1134.7	1146.7	1148.6
35°	3092.4	2588.7	1229.0	862.8	949.4	1016.4	1040.9	1063.8	1006.4	1010.7	1014.5
37.5°	3118.7	2496.3	1008.8	833.1	936.5	1005.9	1035.1	951.8	906.8	896.3	894.8
40°	3168.1	2397.7	845.5	809.1	931.7	1011.2	998.2	888.6	811.0	753.1	744.5
42.5°	3236.5	2291.4	741.1	793.3	935.0	1036.5	947.0	827.8	699.0	661.7	656.9
45°	3313.6	2179.9	684.6	782.3	946.5	1056.2	936.5	746.9	646.8	618.6	616.2
47.5°	3388.3	2043.4	655.4	777.5	962.3	1040.4	892.0	722.0	621.9	607.1	608.5
50°	3474.0	1920.4	637.7	772.3	976.2	1030.3	841.7	709.1	612.4	630.5	649.7
52.5°	3546.3	1793.0	621.9	761.7	981.5	1012.6	828.8	711.5	612.4	647.3	665.5
55°	3632.0	1696.8	603.7	739.7	971.4	962.3	819.7	725.8	619.5	597.5	599.4
57.5°	3742.6	1665.2	583.6	705.2	937.9	889.1	815.4	739.7	615.2	601.3	606.1
60°	3895.8	1698.7	575.5	660.2	885.7	831.6	815.8	732.5	585.1	561.1	561.6
62.5°	4041.8	1736.0	575.0	632.0	821.6	780.4	804.8	709.1	569.7	555.9	561.1
65°	4089.7	1698.2	552.0	600.4	749.3	719.1	784.7	684.2	558.3	537.2	536.2
67.5°	4025.5	1580.9	505.6	549.2	666.5	647.8	758.4	654.5	540.1	522.8	520.0
70°	3835.0	1319.0	448.1	481.6	572.1	567.3	716.7	620.0	515.6	500.8	488.4
72.5°	*3322.2*	*939.8*	*377.8*	*400.7*	*465.8*	*481.2*	*659.3*	*575.0*	*481.2*	*449.1*	*429.9*
75°	2728.5	695.7	310.2	315.0	353.8	395.5	580.3	522.3	440.5	385.9	371.1
77.5°	1670.9	425.6	247.0	249.0	253.8	315.5	477.8	463.5	388.8	321.7	311.2
80°	541.0	232.2	178.6	187.7	173.3	231.2	369.6	394.5	333.7	269.1	257.6
82.5°	205.9	135.5	120.7	126.9	120.2	155.1	269.6	316.0	273.4	221.2	180.0
85°	99.6	76.6	71.3	80.0	74.2	79.5	172.4	232.7	207.3	144.1	134.1
87.5°	35.4	34.0	27.3	36.9	31.6	28.2	52.7	117.3	136.9	99.1	88.6
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

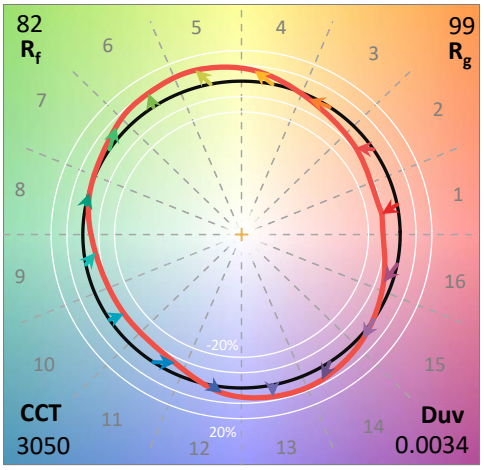
Test Information

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

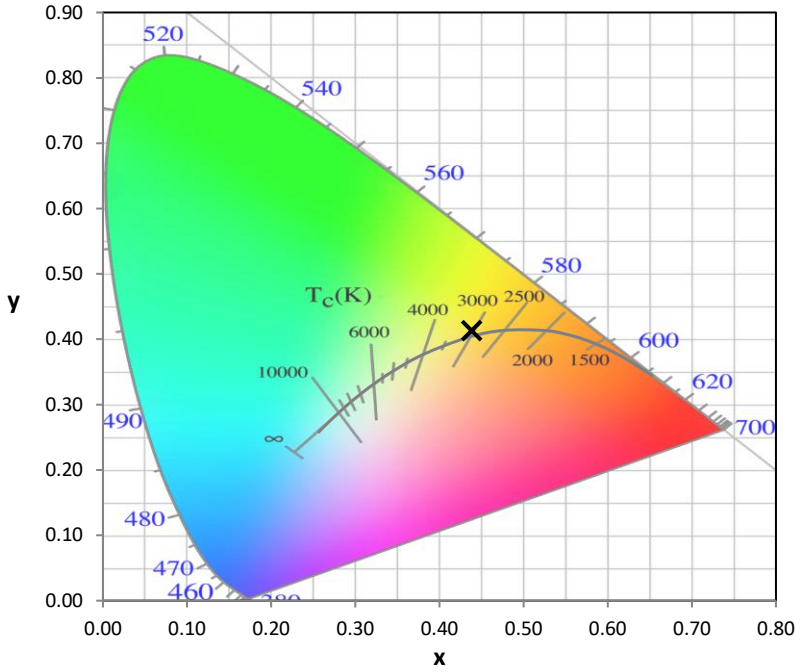
Stabilization Time:	20M
Operation Time:	1H 20M
Sphere Temperature (°C):	24.2

REPORT NUMBER: SP1-2408-195-9

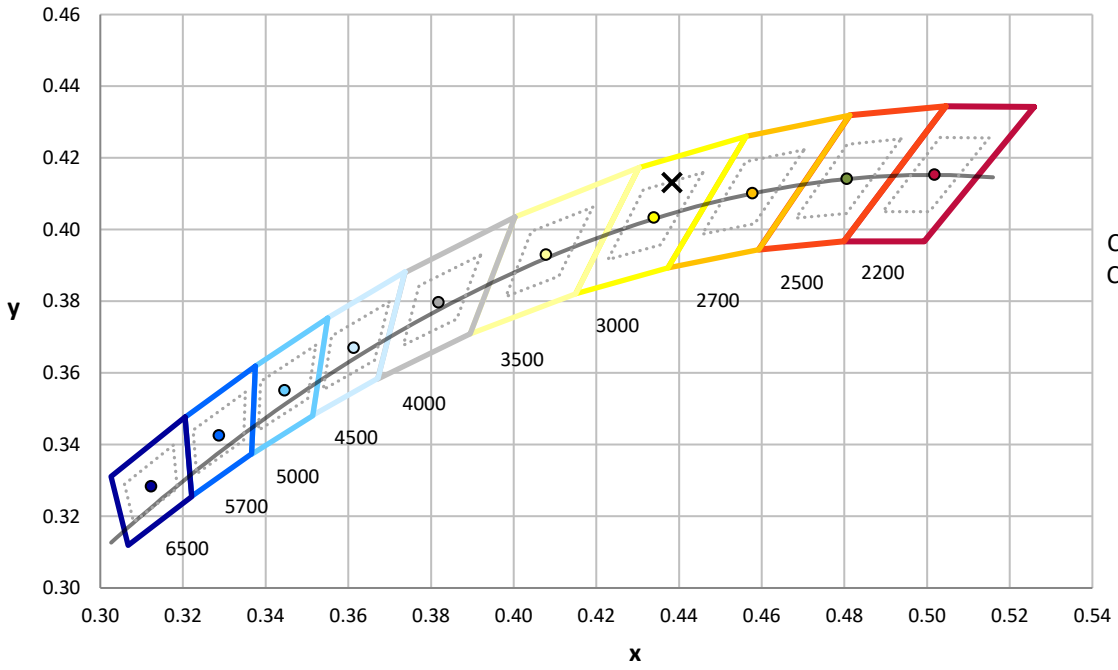
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

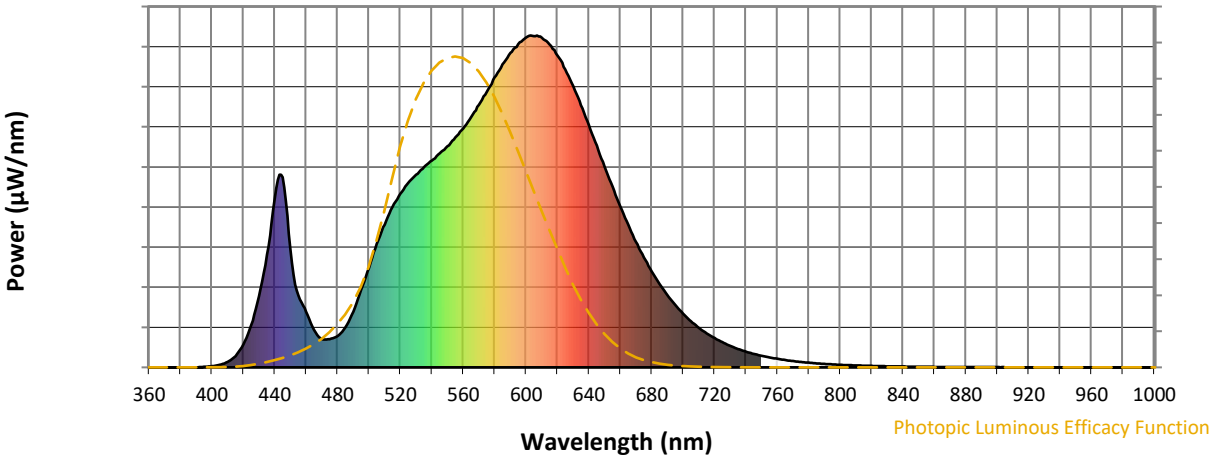


CCT = 3050K
CIE x = 0.4383
CIE y = 0.4131
Duv = 0.0034

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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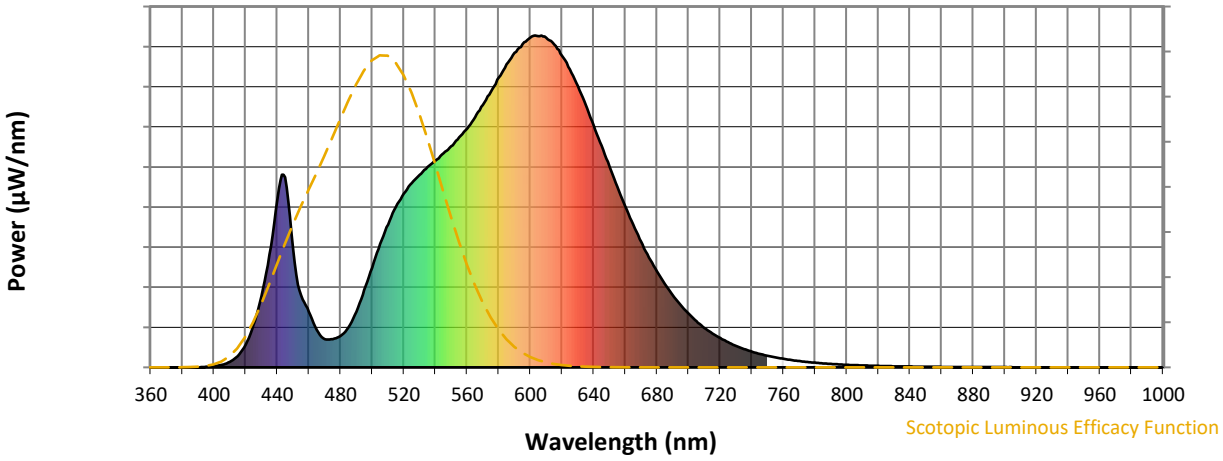
Scotopic Flux vs. Wavelength



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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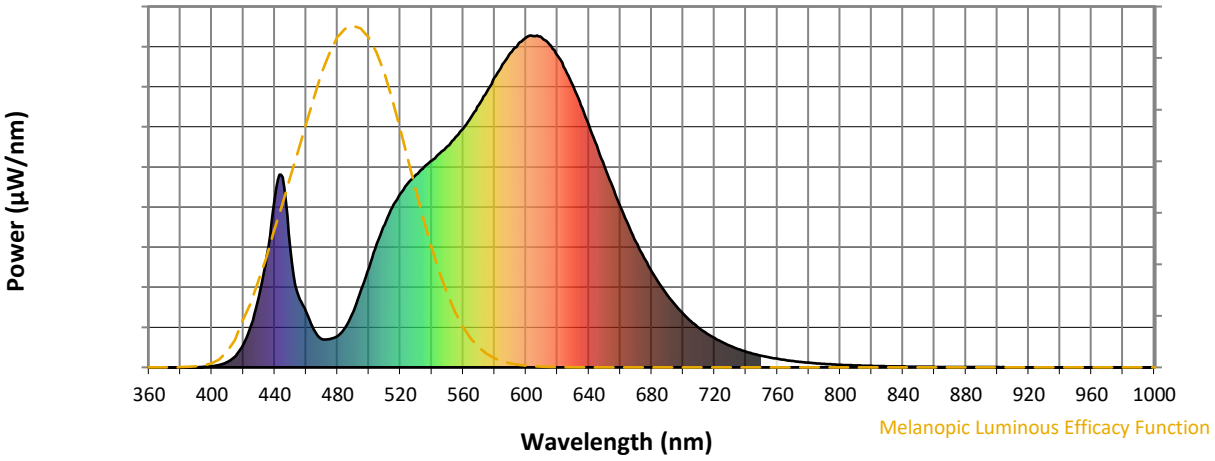
Melanopic Flux vs. Wavelength



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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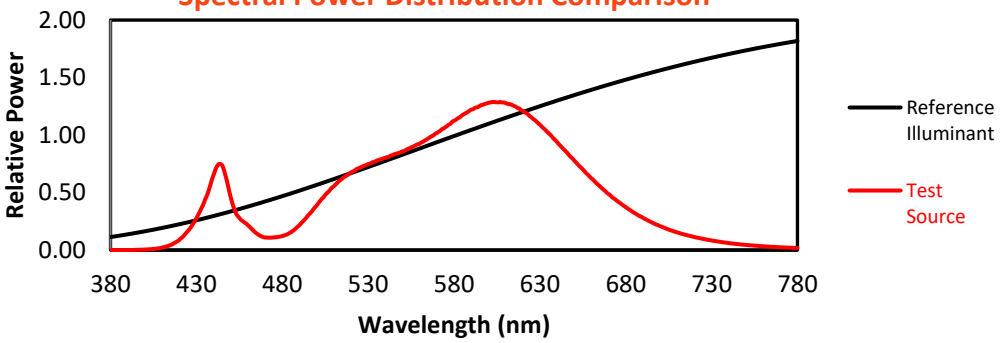
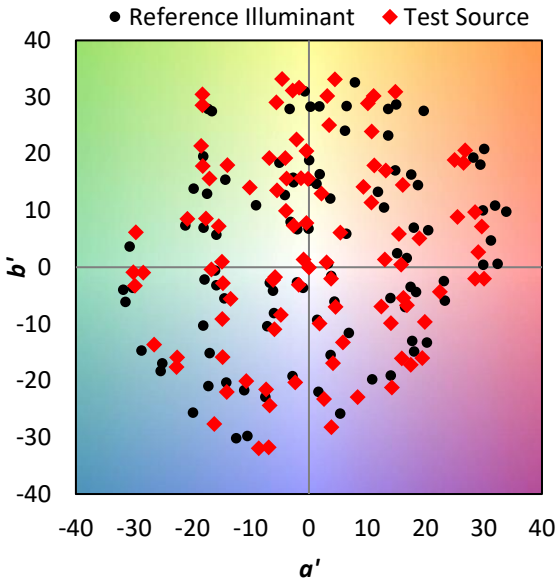
Summary

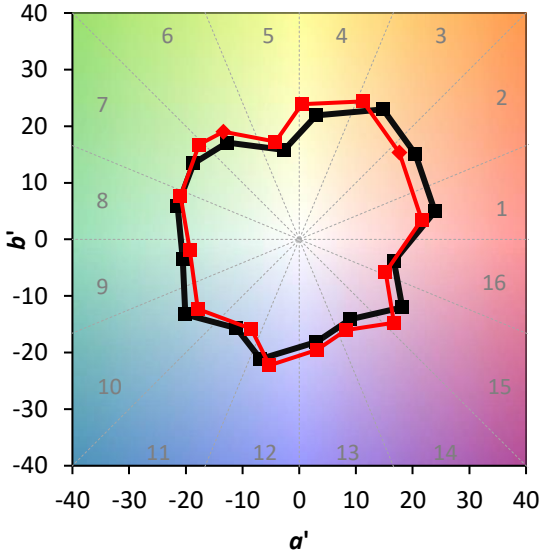
R_f = 81.5
R_g = 99.2
CIE R_a = 81.0
R_9 = 7.1

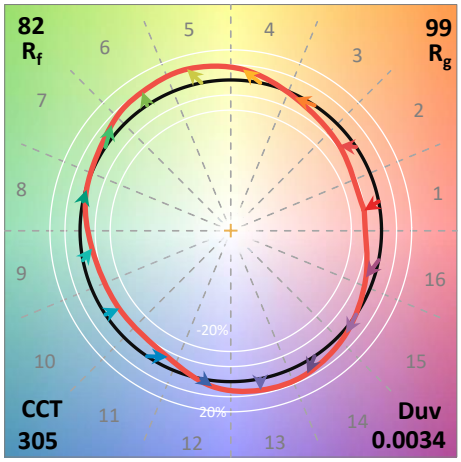
Spectral Power Distribution Comparison

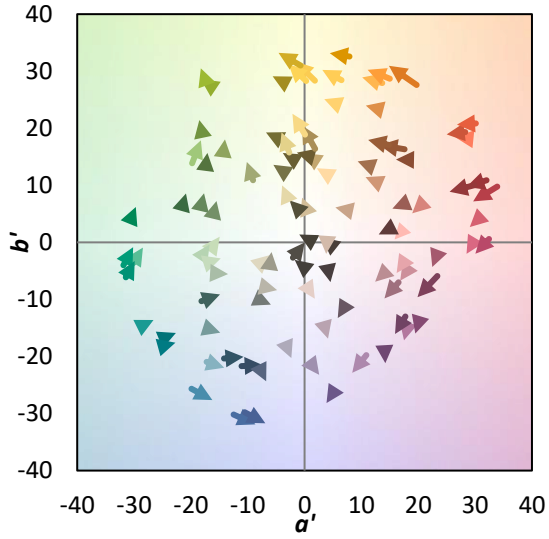


Color Vector Graphics









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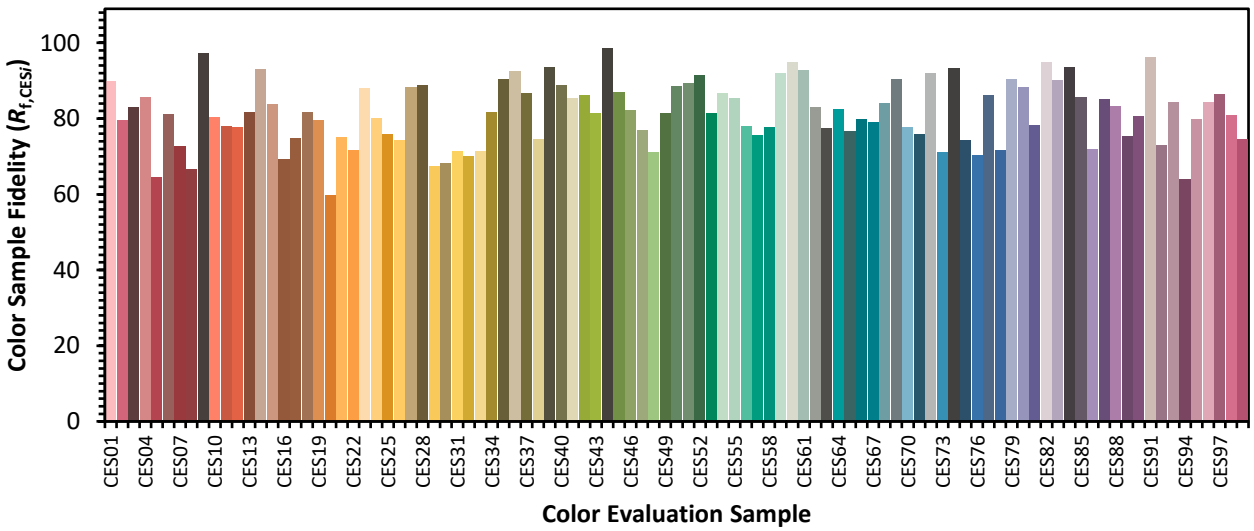
Individual Sample Fidelity Index ($R_{f,i}$)

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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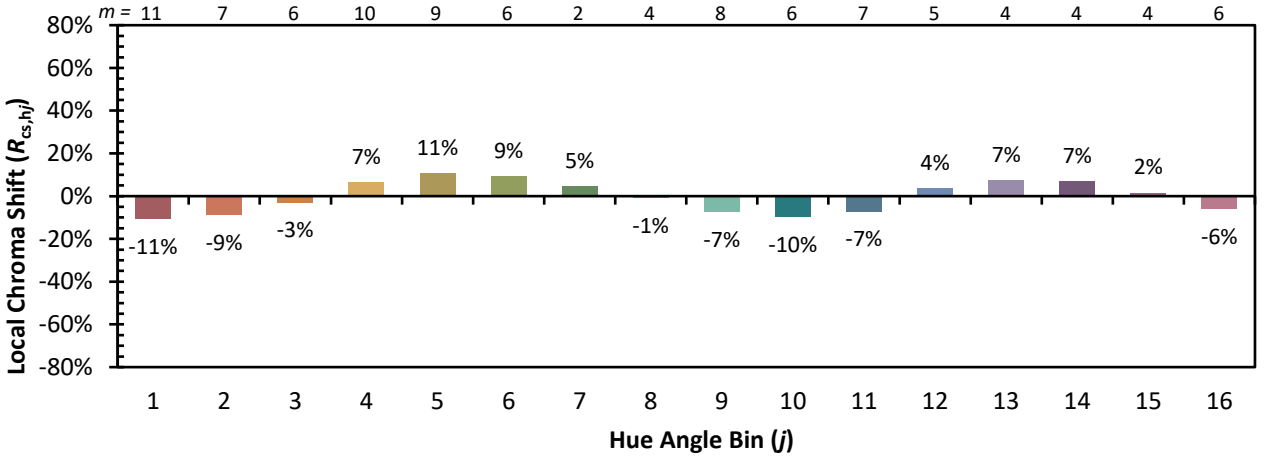
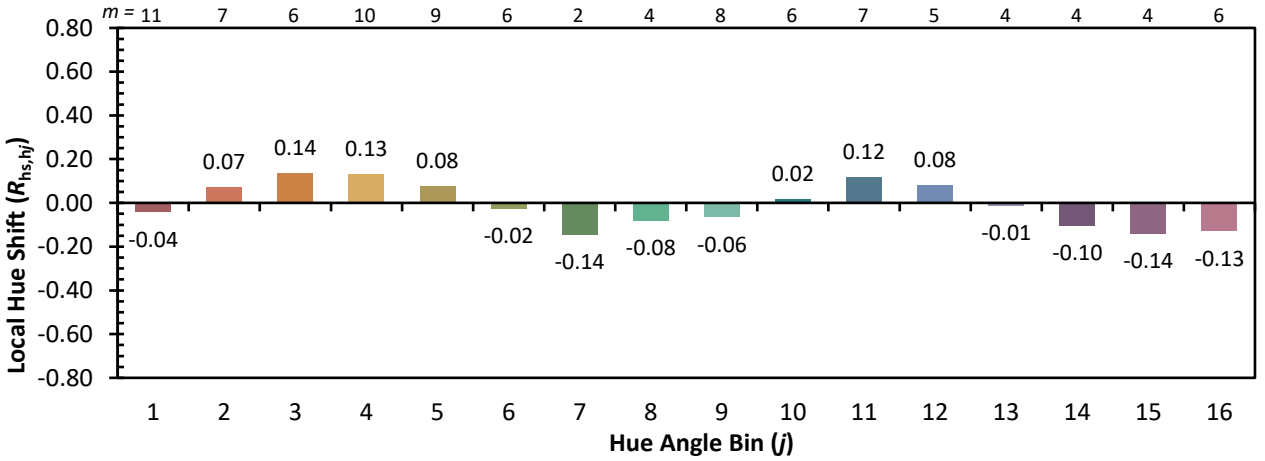
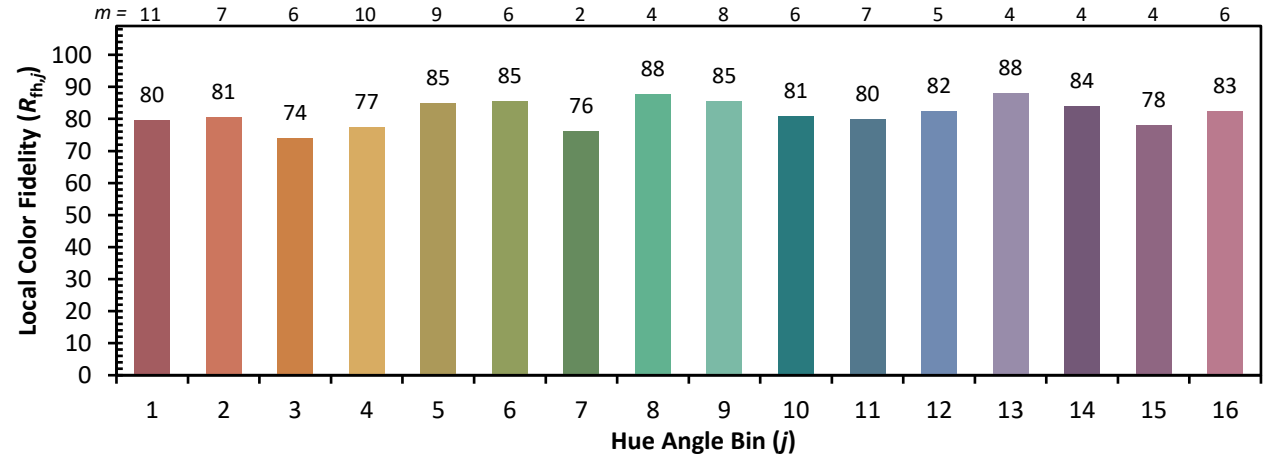
Color Rendition by Hue-Angle Bin







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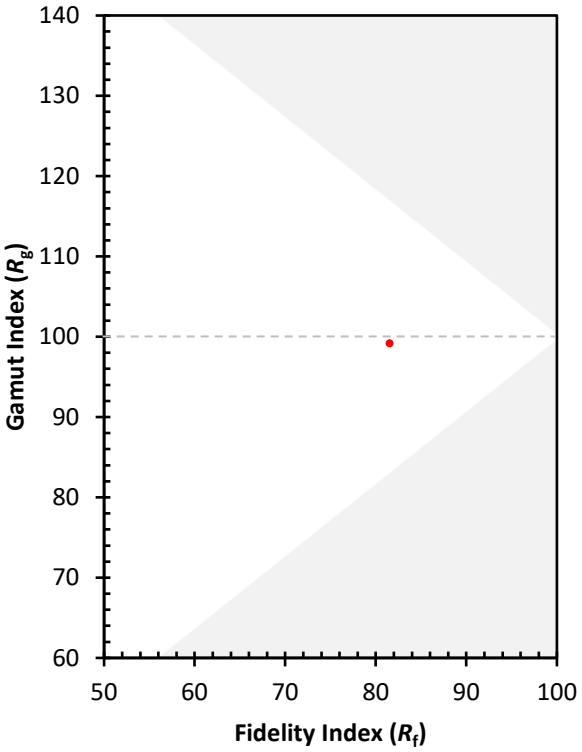
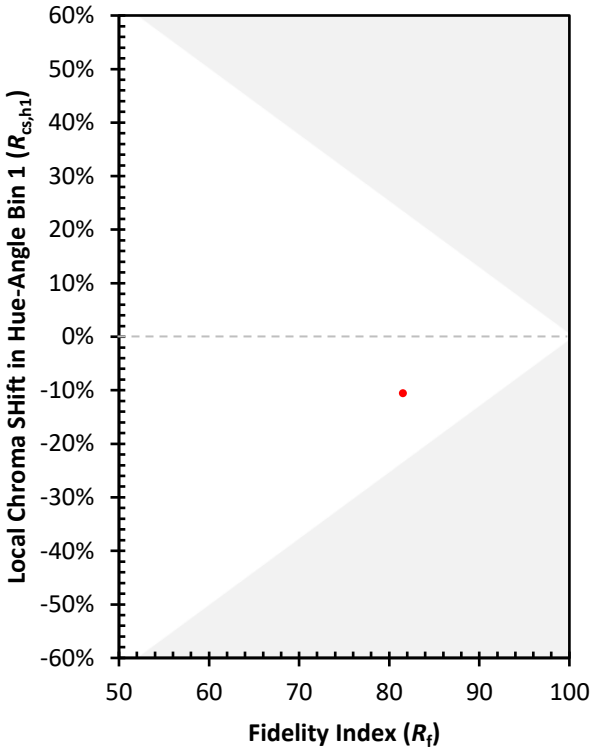
Measure Comparisons





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