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: P322392

Luminaire Tested: **GLEON-SA8A-830-U-T3-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:	P322392
	TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-15)
Test Lab:	INNOVATION CENTER
Issue Date:	3/3/2020
Manufacturer:	COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line:	McGRAW-EDISON
Catalog Number:	GLEON-SA8A-830-U-T3-HSS
Description:	GALLEON AREA AND ROADWAY LUMINAIRE
	(8) 80 CRI, 3000K, 615mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III OPTICS WITH HOUSE SIDE SHIELD
Light Source:	-
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	21629 lumens
Efficiency:	N/A
Efficacy:	84.2 lumens/watt
Luminous Opening:	Rectangular (W 2' x L: 1' x H: 0')
IES Classification:	Type III - Short
BUG Rating:	B2 - U0 - G4

Input Watts (W):	257
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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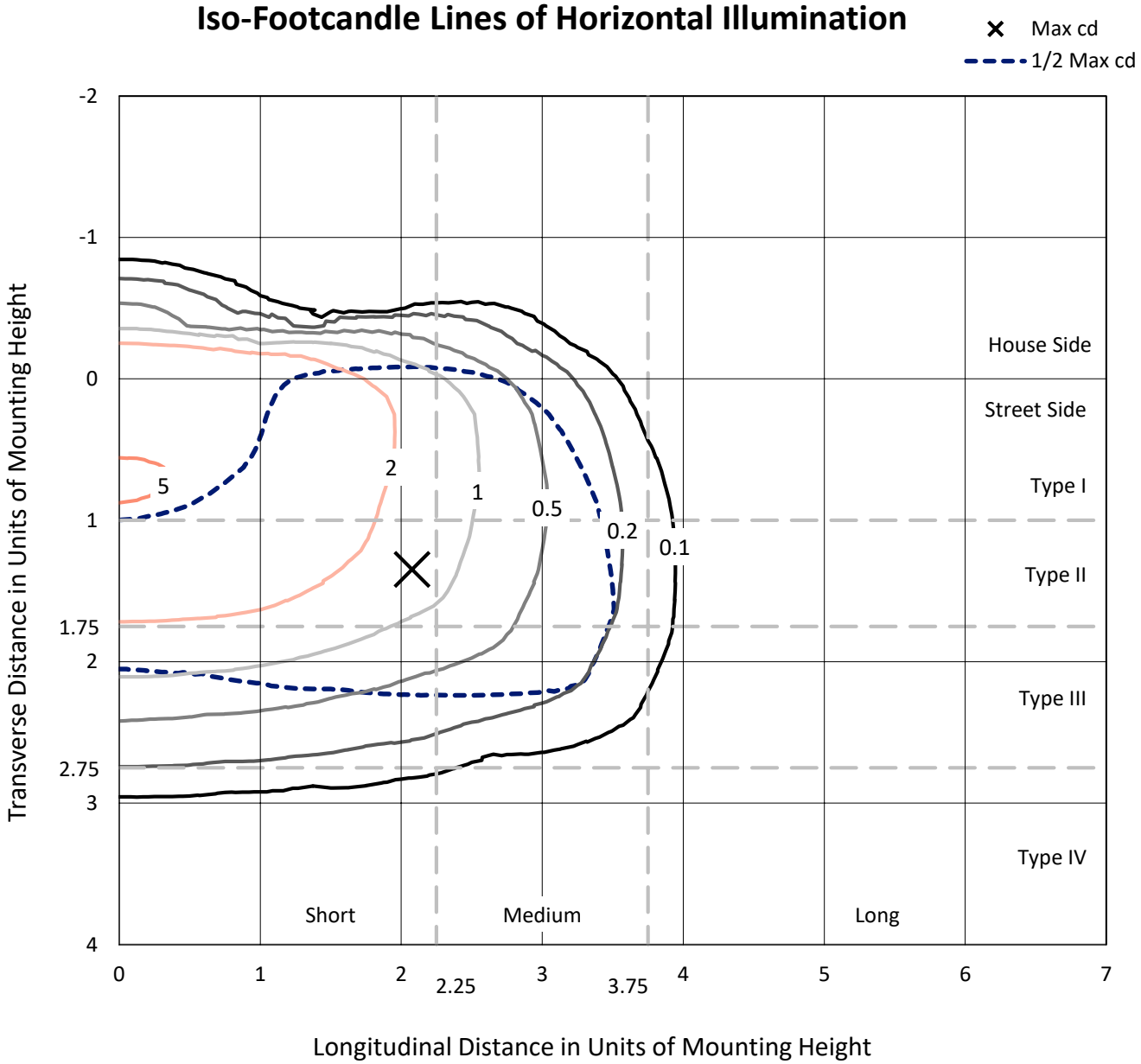
Scaled Data Report

REPORT NUMBER: P322392
CATALOG NUMBER: GLEON-SA8A-830-U-T3-HSS

Iso-Footcandle Lines of Horizontal Illumination



Based on 25 foot mounting height. Maximum calculated value = 5.3 fc
Type III - Short - N/A

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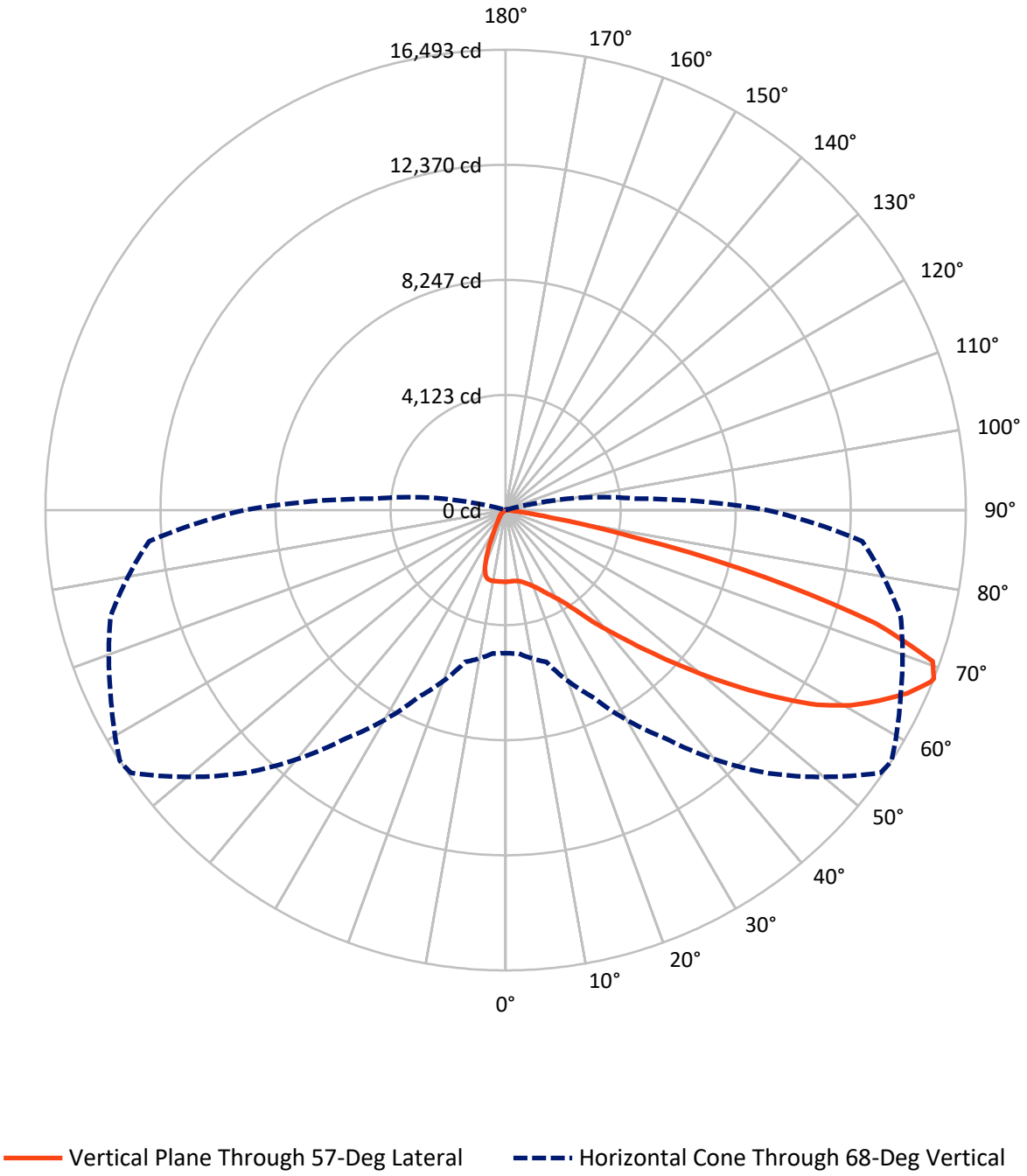
Luminous Intensity Polar Plot



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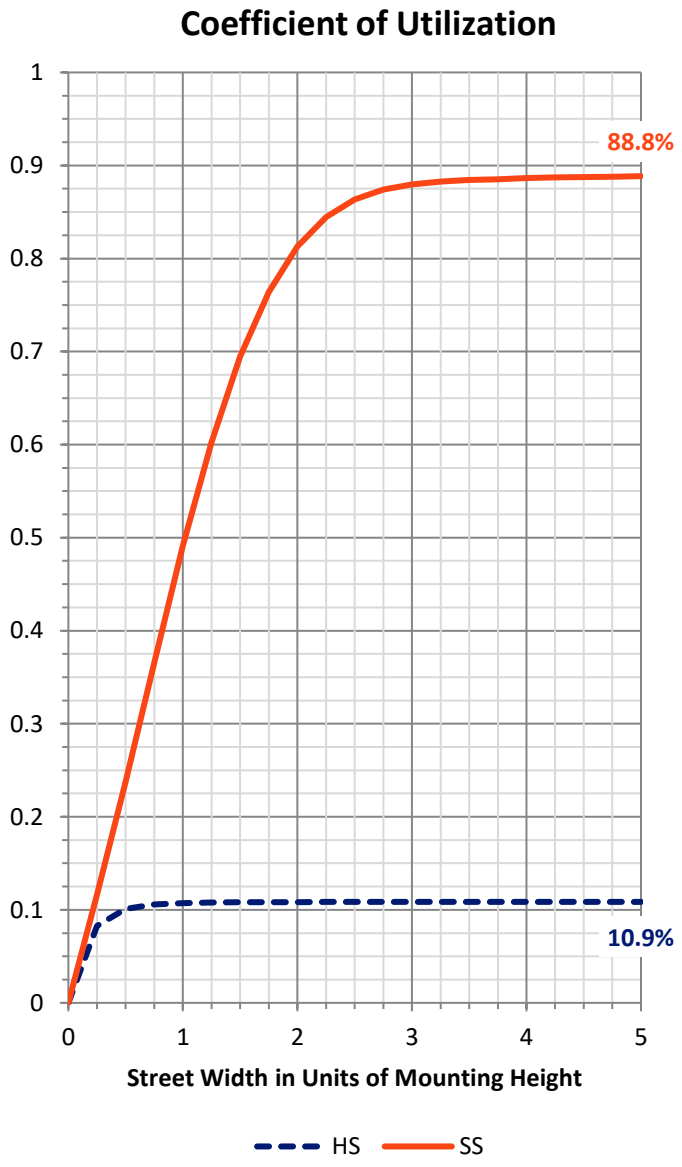
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2371.7	0.0	2371.7
	% Fixture	11.0	0.0	11.0
Street Side	Lumens	19257.3	0.0	19257.3
	% Fixture	89.0	0.0	89.0
Total	Lumens	21629.0	0.0	21629.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	240.5	1.1
10°-20°	666.5	3.1
20°-30°	1149.8	5.3
30°-40°	1984.5	9.2
40°-50°	3394.5	15.7
50°-60°	5430.9	25.1
60°-70°	6274.8	29.0
70°-80°	2397.7	11.1
80°-90°	89.9	0.4
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°	21629.0	100.0
0°-180°	21629.0	100.0



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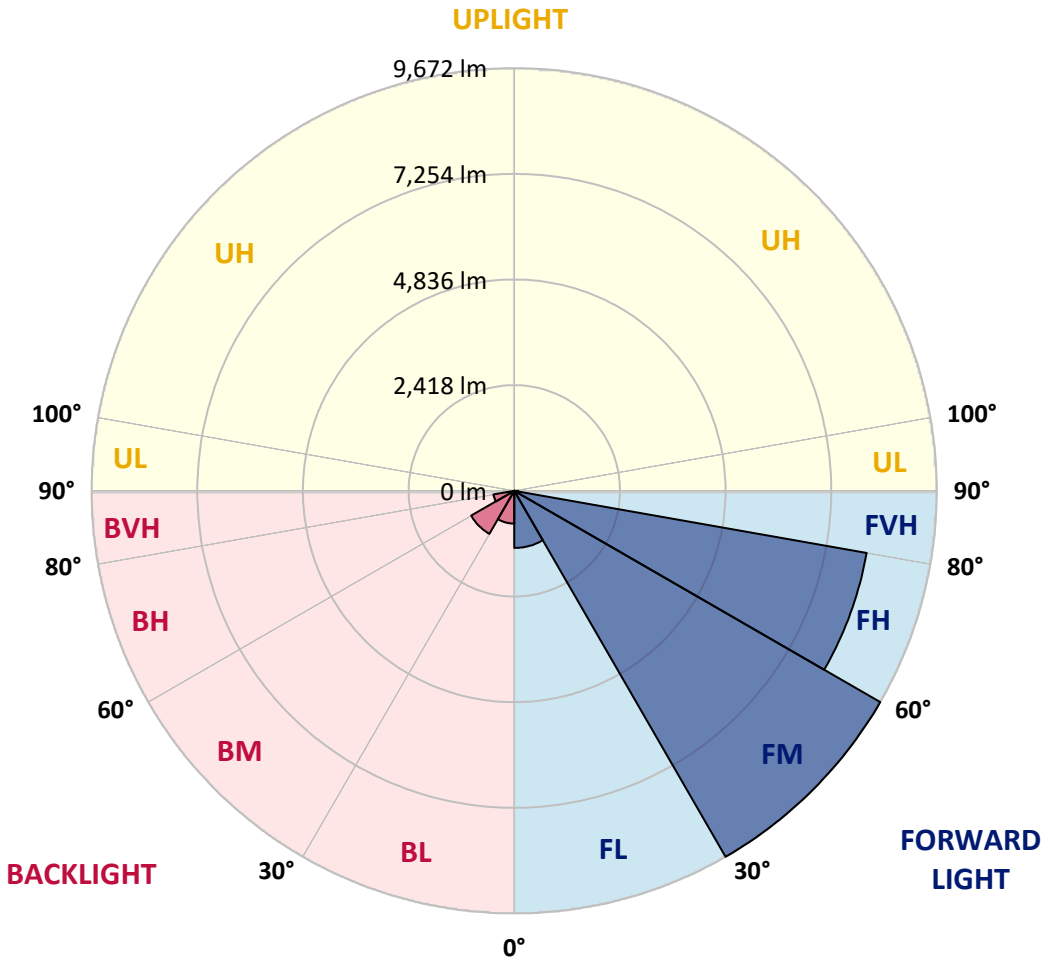
LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	1307.3	6.0			
FM	(30°-60°)	9672.3	44.7			
FH	(60°-80°)	8189.4	37.9			G4/12000
FVH	(80°-90°)	88.2	0.4			G1/100
BL	(0°-30°)	749.5	3.5	B2/1000		
BM	(30°-60°)	1137.5	5.3	B2/2500		
BH	(60°-80°)	483.0	2.2	B1/500		G1/500
BVH	(80°-90°)	1.6	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 III Short



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REPORT NUMBER: P322392
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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	57°	65°	75°	85°
0°	2570.1	2570.1	2570.1	2570.1	2570.1	2570.1	2570.1	2570.1	2570.1	2570.1	2570.1
2.5°	2509.8	2521.0	2529.2	2534.3	2540.4	2553.7	2557.8	2564.0	2567.0	2567.0	2574.2
5°	2410.6	2422.8	2440.2	2454.5	2483.2	2520.0	2546.6	2556.8	2575.2	2591.6	2600.8
7.5°	2318.5	2332.8	2353.3	2387.0	2436.1	2495.4	2550.7	2565.0	2600.8	2635.5	2652.9
10°	2259.2	2270.4	2297.0	2345.1	2409.5	2492.4	2570.1	2587.5	2648.8	2707.1	2739.9
12.5°	2238.7	2249.0	2276.6	2330.8	2410.6	2507.7	2615.1	2640.7	2730.7	2815.5	2861.6
15°	2268.4	2270.4	2300.1	2351.2	2430.0	2545.6	2689.8	2720.4	2834.0	2944.4	3001.7
17.5°	2382.9	2373.7	2389.1	2411.6	2474.0	2595.7	2768.5	2814.5	2965.9	3095.8	3150.0
20°	2669.3	2669.3	2634.5	2573.2	2574.2	2673.4	2874.9	2927.0	3112.1	3262.5	3311.6
22.5°	3159.2	3150.0	3080.4	2930.1	2792.0	2807.4	3004.8	3072.3	3288.0	3448.6	3465.0
25°	3748.3	3737.0	3629.6	3417.9	3178.6	3024.2	3180.7	3258.4	3497.7	3639.9	3606.1
27.5°	4372.1	4362.9	4256.6	3993.7	3653.2	3369.9	3390.3	3464.0	3711.5	3851.6	3744.2
30°	4976.6	4979.6	4874.3	4604.3	4218.7	3810.7	3656.2	3699.2	3919.1	4061.2	3907.8
32.5°	5551.3	5555.4	5464.4	5162.7	4802.7	4323.0	4024.4	4013.2	4160.4	4300.5	4124.6
35°	6063.7	6073.9	6011.5	5777.3	5395.9	4893.7	4502.0	4475.4	4503.0	4661.6	4457.0
37.5°	6557.7	6563.8	6516.8	6319.4	6000.3	5520.6	5105.4	5067.6	5008.3	5130.0	4895.8
40°	7098.7	7083.4	7029.2	6850.2	6576.1	6213.0	5753.8	5688.4	5585.1	5693.5	5472.6
42.5°	7601.9	7584.5	7593.7	7391.2	7160.1	6924.8	6509.6	6397.1	6336.8	6461.5	6180.3
45°	8230.9	8221.6	8252.3	8076.4	7889.3	7718.5	7375.9	7253.1	7226.5	7372.8	7036.3
47.5°	8851.6	8874.1	8969.3	8894.6	8818.9	8668.6	8293.2	8238.0	8254.4	8431.3	7939.4
50°	9369.1	9395.7	9656.5	9742.4	9851.9	9763.9	9387.5	9353.8	9418.2	9577.8	8911.0
52.5°	9743.5	9797.7	10121.9	10517.7	10916.5	10975.8	10600.5	10569.8	10656.7	10681.3	9661.6
55°	10003.2	10051.3	10418.4	11142.5	11954.6	12210.3	11977.1	11858.4	11842.1	11599.7	10451.2
57.5°	10049.2	10044.1	10571.9	11546.5	12768.7	13428.3	13281.0	13164.5	12829.0	12448.5	11356.3
60°	9789.5	9819.1	10431.7	11686.6	13280.0	14349.8	14361.0	14209.7	13687.1	13273.9	12233.8
62.5°	8989.7	9110.4	9729.1	11319.5	13273.9	14721.0	15152.6	15037.1	14412.2	13949.9	13123.5
65°	7692.9	7735.9	8326.0	10061.5	12377.0	14565.6	15865.5	15822.5	15065.7	14606.5	13580.7
67.5°	5617.8	5524.7	6144.5	7923.0	10478.8	13659.4	16376.8	16431.0	15569.9	14741.5	13093.9
68°	5126.9	5154.5	5637.2	7394.3	9981.7	13339.3	16410.6	16493.4	15620.0	14653.5	12828.0
70°	3055.9	3109.1	3539.6	5091.1	7593.7	11528.1	16046.5	16235.7	15321.4	13746.4	11095.5
72.5°	780.3	843.7	1250.8	2278.6	4337.4	8122.4	13545.9	13866.0	13302.5	11151.7	7490.4
75°	321.1	337.5	446.9	750.7	1615.9	3659.3	8928.3	9613.6	9221.9	6676.3	3385.2
77.5°	221.9	233.2	287.4	416.2	699.5	1240.6	4377.2	4872.2	4389.5	2278.6	738.4
80°	159.5	168.7	205.6	277.2	401.9	442.8	1426.7	1649.6	1310.1	500.1	183.1
82.5°	95.1	102.3	153.4	197.4	244.4	211.7	354.9	403.0	379.4	248.5	81.8
85°	47.0	55.2	103.3	141.1	131.9	89.0	108.4	120.7	149.3	151.4	44.0
87.5°	3.1	6.1	60.3	84.9	36.8	20.5	31.7	38.9	53.2	74.7	18.4
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: P322392
CATALOG NUMBER: GLEON-SA8A-830-U-T3-HSS

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	2570.1	2570.1	2570.1	2570.1	2570.1	2570.1	2570.1	2570.1	2570.1	2570.1	2570.1
2.5°	2577.3	2578.3	2571.1	2568.0	2570.1	2557.8	2552.7	2554.8	2554.8	2557.8	2552.7
5°	2602.8	2602.8	2590.5	2574.2	2565.0	2541.5	2526.1	2522.0	2519.0	2516.9	2512.8
7.5°	2658.0	2651.9	2630.4	2594.6	2564.0	2512.8	2474.0	2453.5	2443.3	2439.2	2436.1
10°	2747.0	2735.8	2700.0	2633.5	2562.9	2471.9	2387.0	2326.7	2276.6	2256.1	2243.8
12.5°	2866.7	2850.3	2790.0	2679.5	2555.8	2388.1	2204.0	2027.0	1862.4	1794.9	1761.1
15°	3004.8	2981.2	2886.1	2718.4	2513.8	2198.8	1799.0	1489.1	1261.0	1175.1	1138.3
17.5°	3144.9	3114.2	2970.0	2742.9	2388.1	1807.1	1262.0	953.2	800.8	759.9	745.6
20°	3286.0	3241.0	3042.6	2724.5	2103.7	1302.9	832.5	696.5	652.5	640.2	636.1
22.5°	3420.0	3350.4	3108.0	2652.9	1666.0	874.4	658.6	615.7	601.4	594.2	592.2
25°	3536.6	3439.4	3165.3	2432.0	1179.2	660.7	593.2	578.9	560.5	547.2	548.2
27.5°	3646.0	3528.4	3200.1	2067.9	786.5	564.5	549.2	529.8	496.0	476.6	476.6
30°	3777.9	3647.0	3225.7	1591.4	578.9	499.1	486.8	457.2	411.1	385.6	385.6
32.5°	3976.3	3827.0	3209.3	1116.8	479.7	438.7	410.1	369.2	319.1	294.5	293.5
35°	4280.1	4105.2	3092.7	732.3	423.4	381.5	335.5	285.3	241.4	220.9	219.9
37.5°	4689.2	4477.5	2830.9	523.6	379.4	328.3	273.1	217.8	185.1	171.8	170.8
40°	5220.0	4910.1	2456.6	424.4	338.5	277.2	210.7	168.7	146.2	136.0	137.0
42.5°	5857.1	5373.4	2007.6	366.1	298.6	228.1	164.7	133.0	118.6	111.5	109.4
45°	6564.8	5830.5	1537.1	326.2	258.7	184.1	128.9	105.3	94.1	90.0	90.0
47.5°	7343.1	6275.4	1125.0	291.5	215.8	142.2	103.3	85.9	76.7	73.6	72.6
50°	8049.8	6584.3	811.0	254.7	176.9	112.5	83.9	71.6	65.5	61.4	61.4
52.5°	8638.9	6681.4	597.3	214.8	143.2	90.0	69.5	61.4	55.2	52.2	52.2
55°	9157.4	6641.5	443.9	176.9	115.6	73.6	59.3	52.2	47.0	44.0	44.0
57.5°	9654.5	6512.7	331.4	144.2	93.1	59.3	50.1	44.0	38.9	36.8	36.8
60°	10060.5	6297.9	246.5	116.6	74.7	48.1	41.9	35.8	31.7	28.6	28.6
62.5°	10389.8	6060.6	181.0	96.1	59.3	37.8	32.7	29.7	23.5	20.5	20.5
65°	10391.9	5666.9	136.0	79.8	46.0	29.7	24.5	23.5	15.3	12.3	11.2
67.5°	9640.2	4885.5	104.3	68.5	35.8	22.5	18.4	19.4	8.2	5.1	4.1
68°	*9367.1*	*4687.1*	*98.2*	*67.5*	*33.7*	*21.5*	*17.4*	*19.4*	*7.2*	*4.1*	*3.1*
70°	7897.4	3728.8	78.7	65.5	29.7	16.4	14.3	19.4	6.1	3.1	2.0
72.5°	5051.2	2164.1	58.3	52.2	22.5	12.3	9.2	17.4	6.1	2.0	1.0
75°	2149.8	670.9	39.9	36.8	13.3	9.2	6.1	11.2	4.1	1.0	0.0
77.5°	453.1	151.4	23.5	22.5	9.2	6.1	4.1	3.1	1.0	0.0	0.0
80°	116.6	44.0	12.3	11.2	5.1	3.1	2.0	0.0	0.0	0.0	0.0
82.5°	36.8	17.4	7.2	5.1	2.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	18.4	10.2	4.1	2.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	10.2	3.1	1.0	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

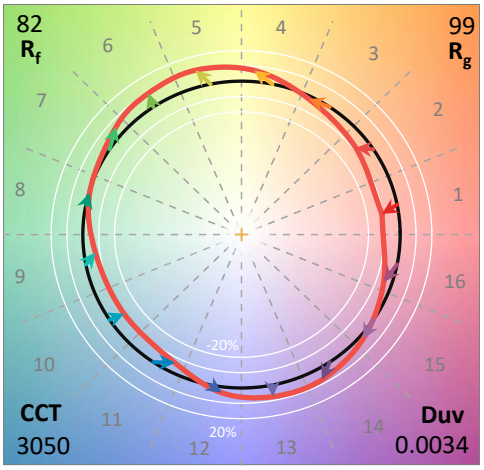
Test Information

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

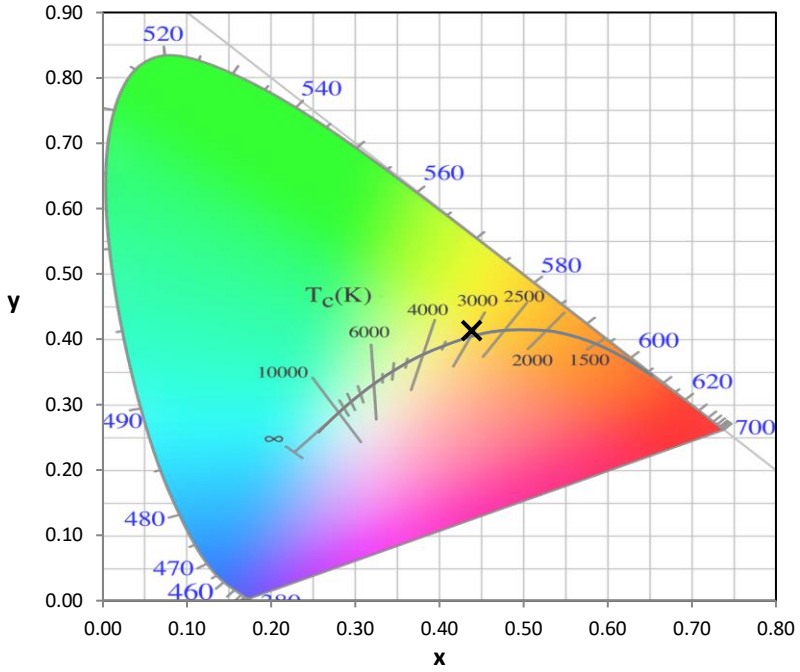
Stabilization Time:	20M
Operation Time:	1H 20M
Sphere Temperature (°C):	24.2

REPORT NUMBER: SP1-2408-195-9

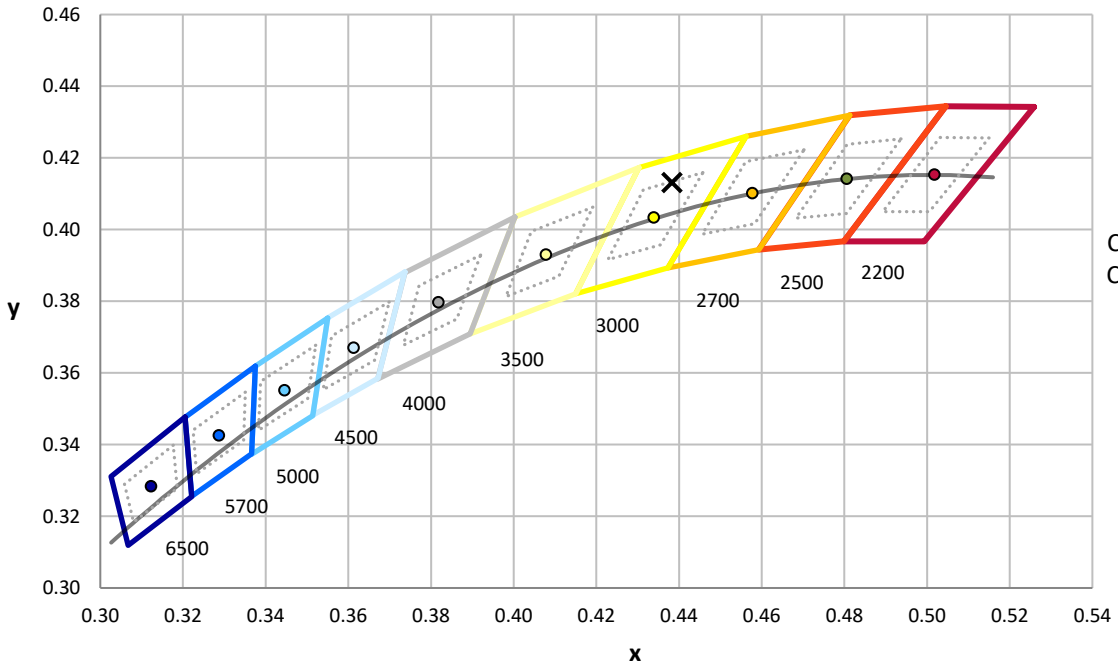
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

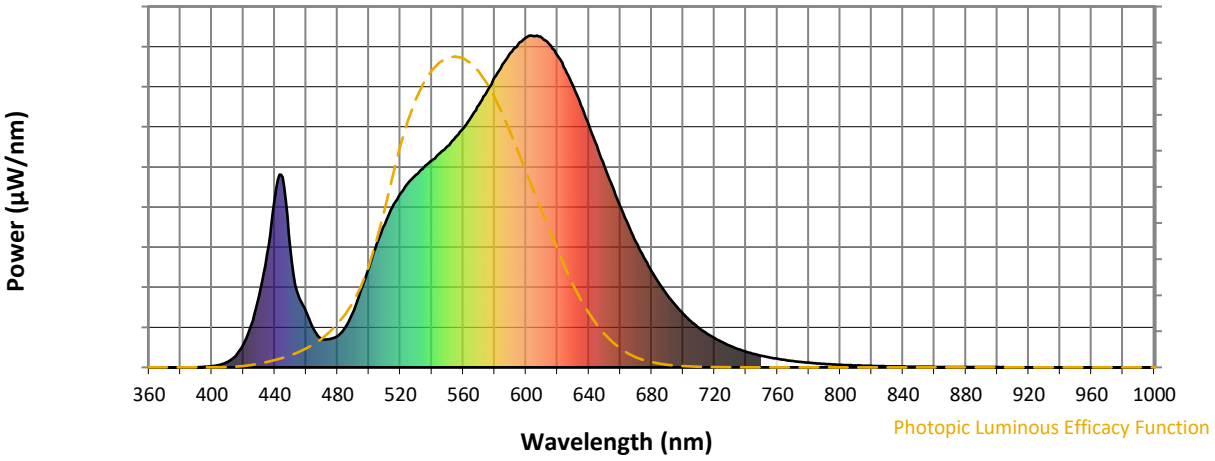


CCT = 3050K
CIE x = 0.4383
CIE y = 0.4131
Duv = 0.0034

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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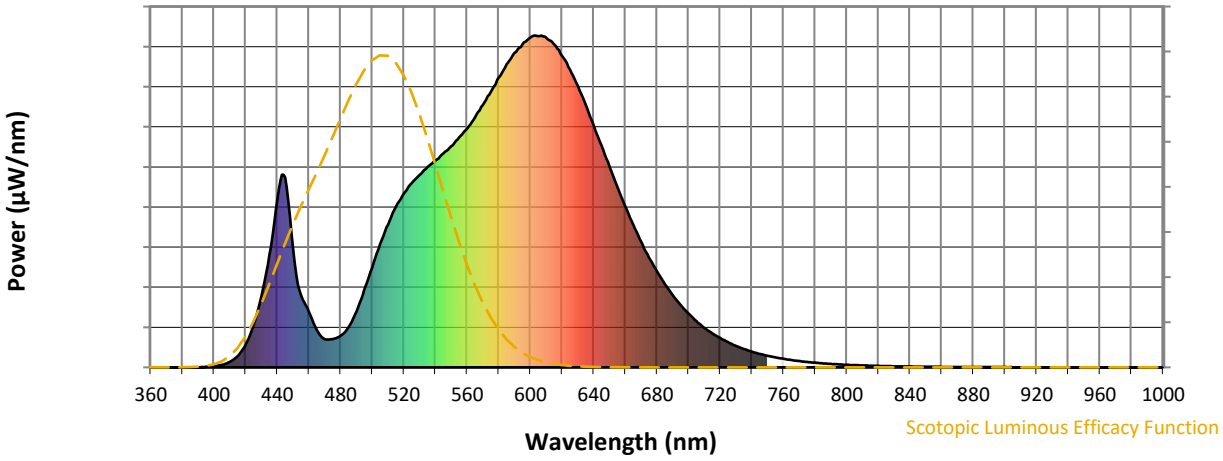
Scotopic Flux vs. Wavelength



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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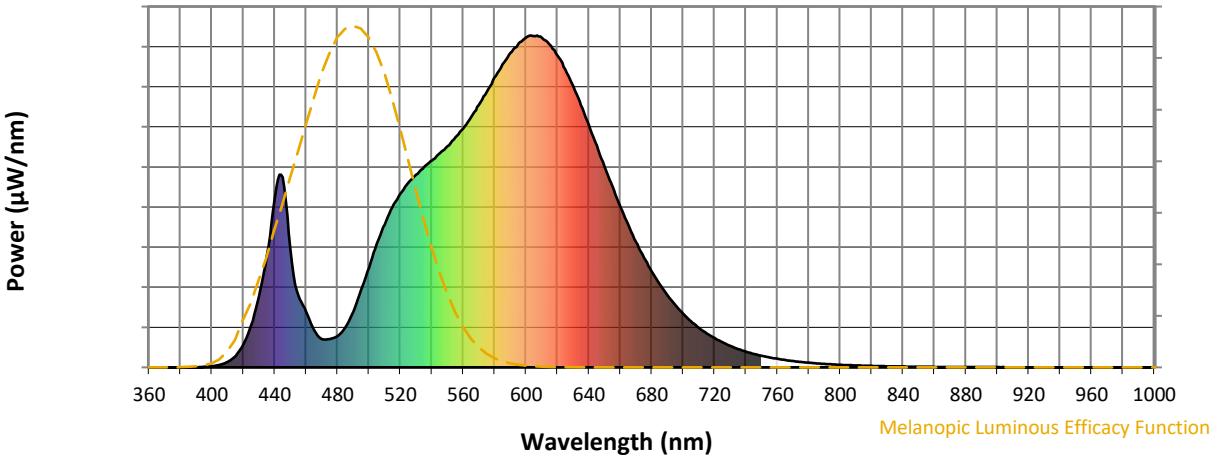
Melanopic Flux vs. Wavelength



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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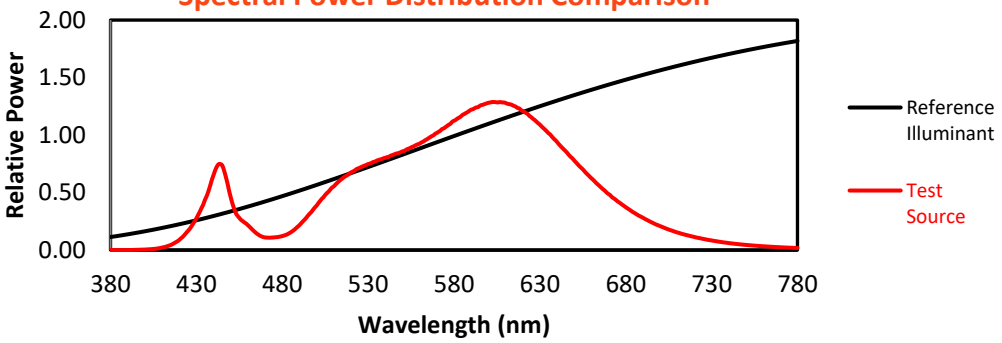
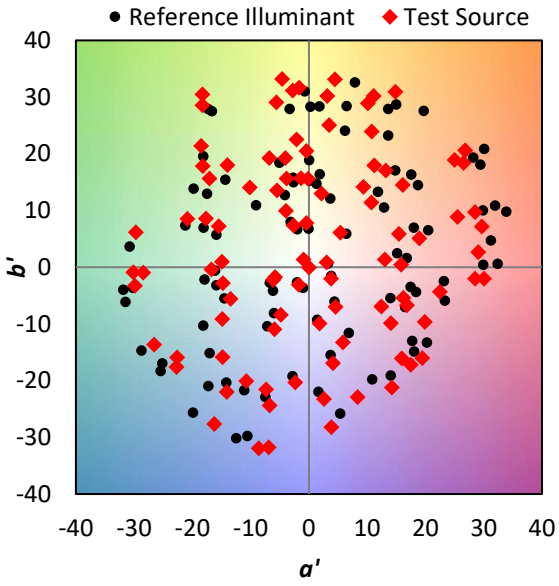
Summary

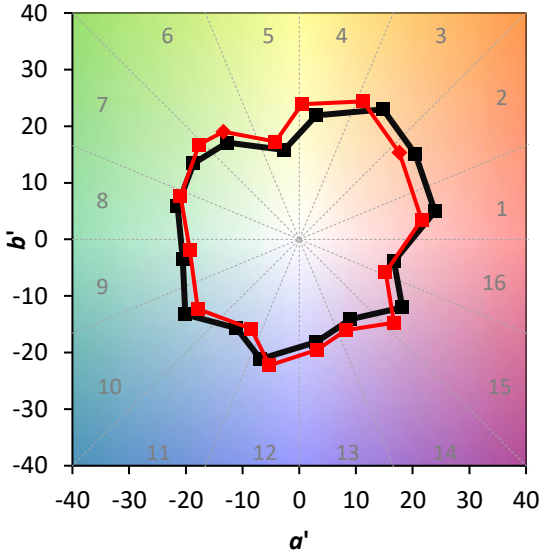
R_f = 81.5
R_g = 99.2
CIE R_a = 81.0
R_9 = 7.1

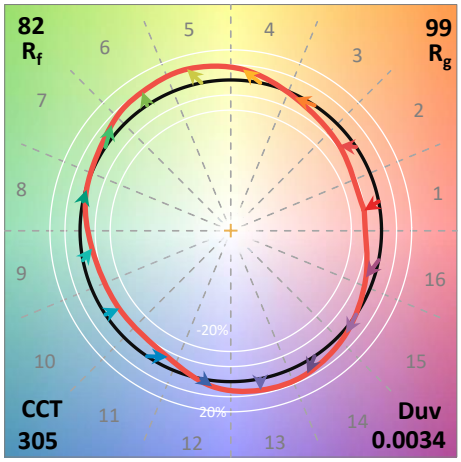
Spectral Power Distribution Comparison

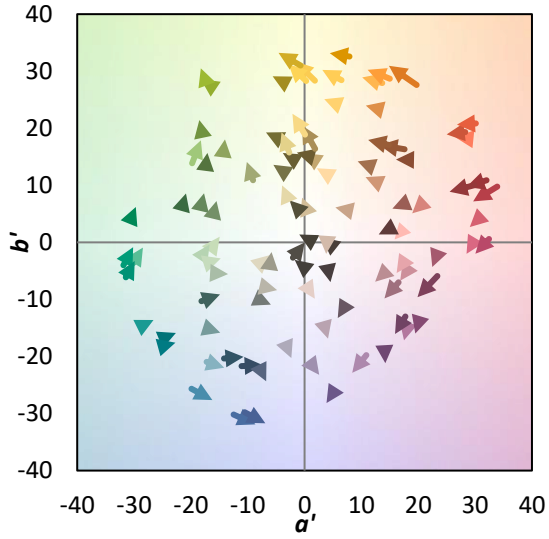


Color Vector Graphics









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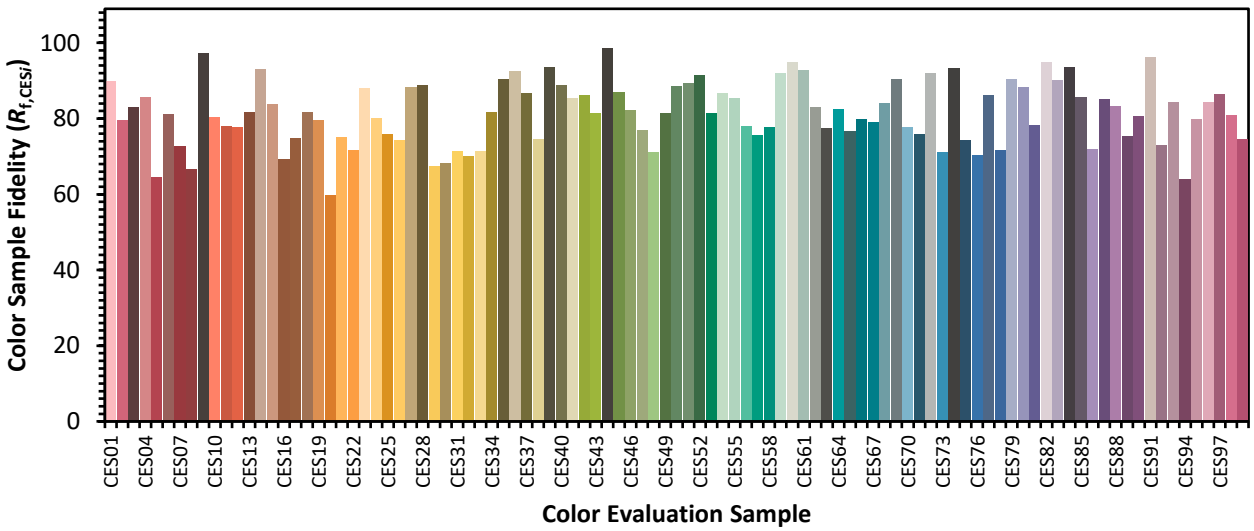
Individual Sample Fidelity Index ($R_{f,i}$)

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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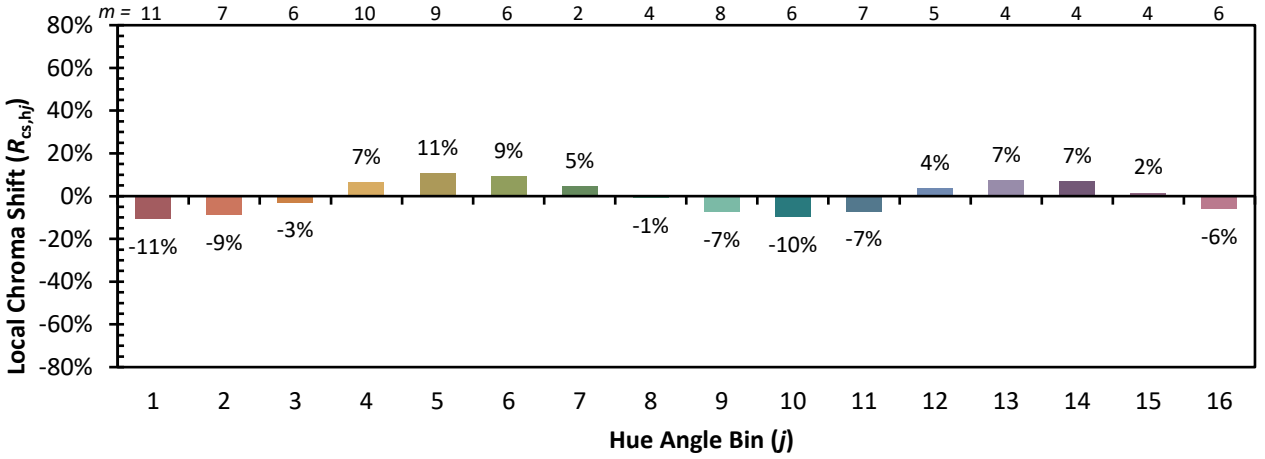
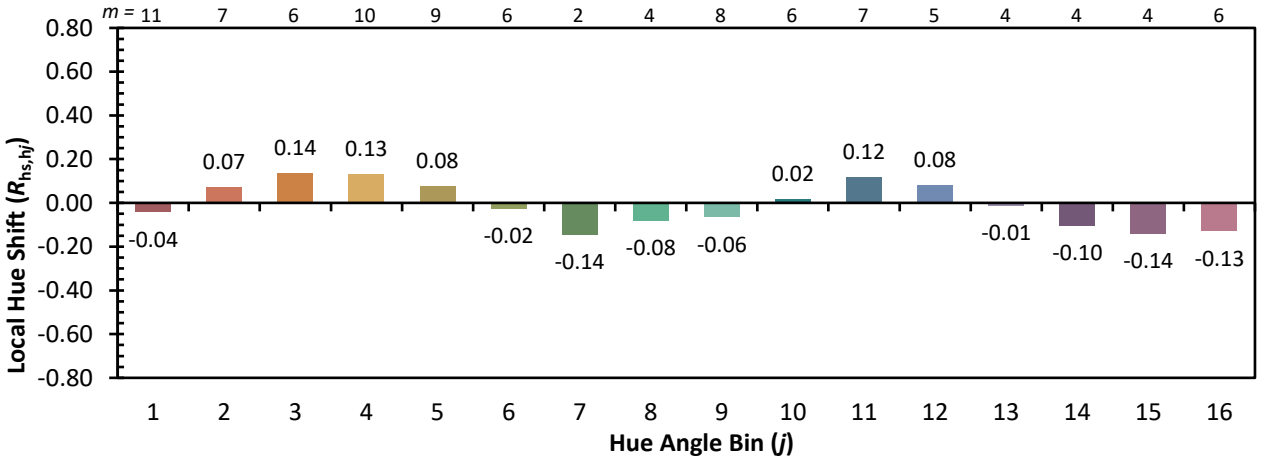
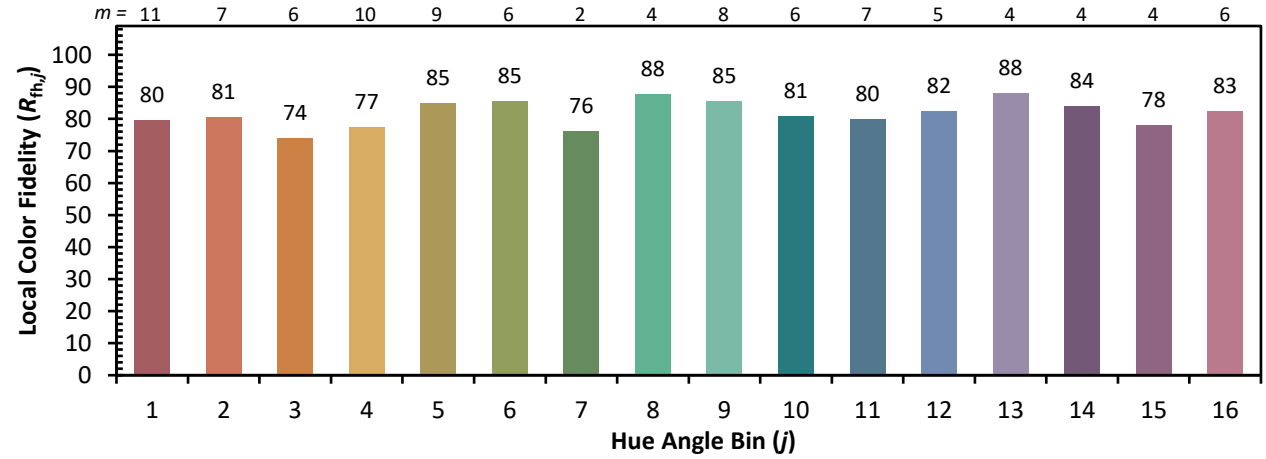
Color Rendition by Hue-Angle Bin







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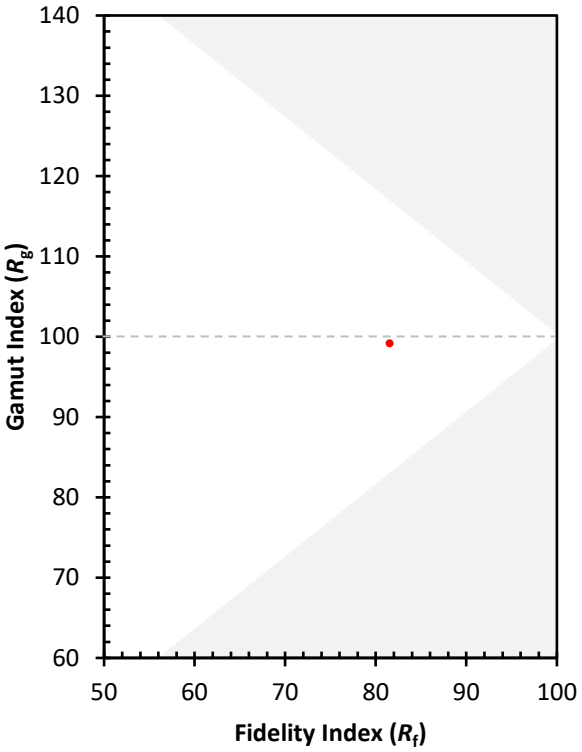
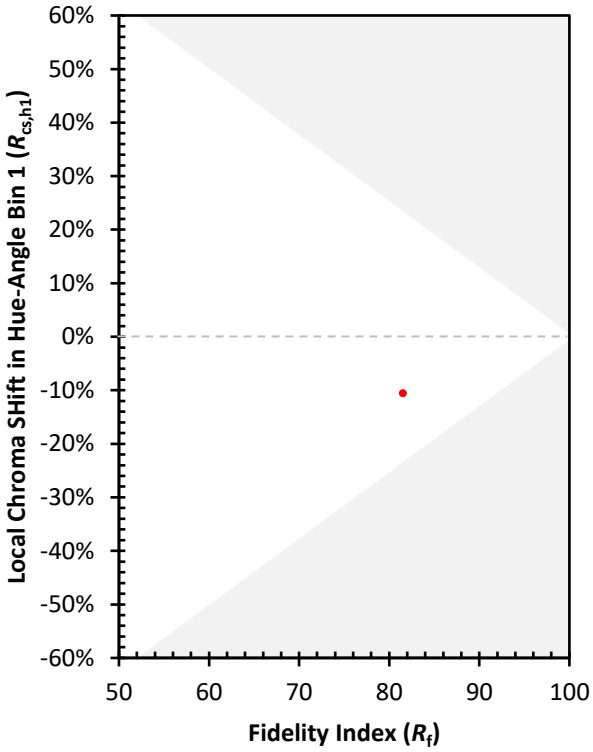
Measure Comparisons





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