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: P322401

Luminaire Tested: **GLEON-SA7B-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:	P322401
	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-SA7B-830-U-T3-HSS
Description:	GALLEON AREA AND ROADWAY LUMINAIRE
	(7) 80 CRI, 3000K, 800mA 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:	23407 lumens
Efficiency:	N/A
Efficacy:	79.3 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):	295
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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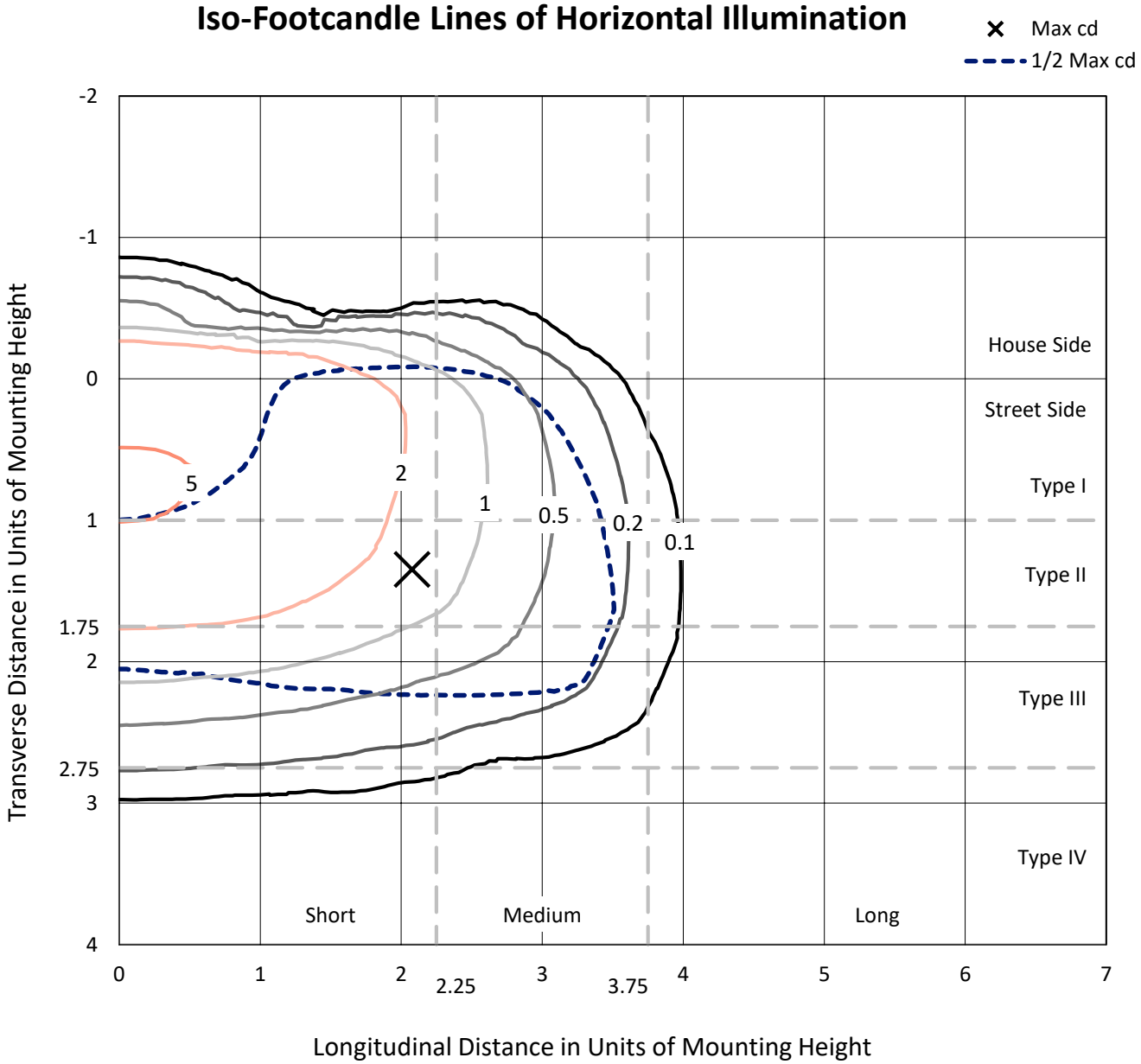
Scaled Data Report

REPORT NUMBER: P322401
CATALOG NUMBER: GLEON-SA7B-830-U-T3-HSS

Iso-Footcandle Lines of Horizontal Illumination



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

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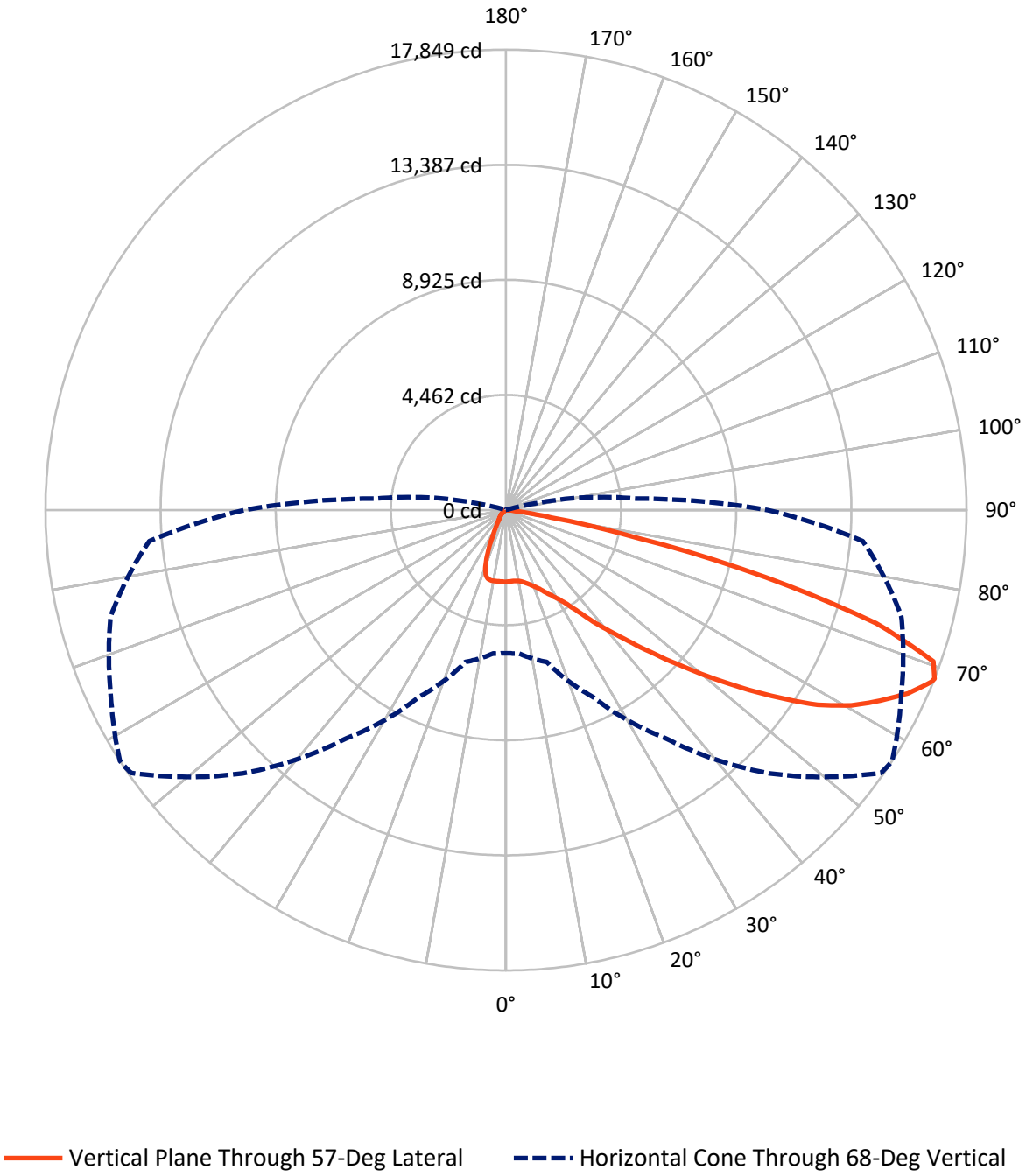
Luminous Intensity Polar Plot



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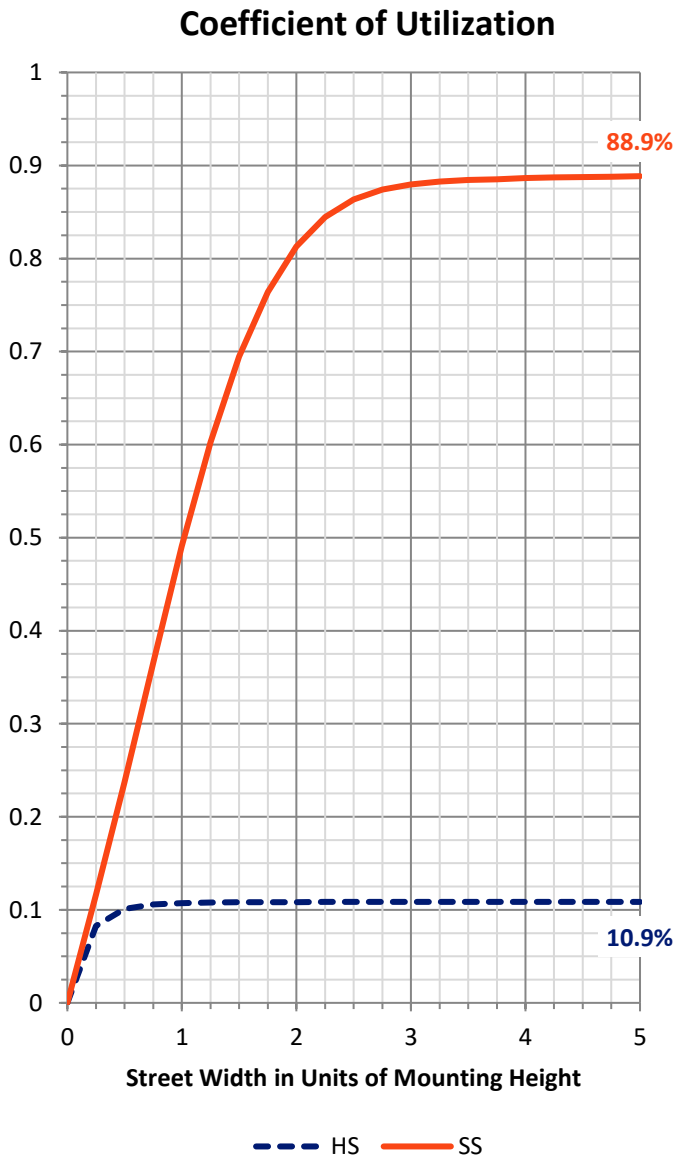
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2566.7	0.0	2566.7
	% Fixture	11.0	0.0	11.0
Street Side	Lumens	20840.3	0.0	20840.3
	% Fixture	89.0	0.0	89.0
Total	Lumens	23407.0	0.0	23407.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	260.3	1.1
10°-20°	721.3	3.1
20°-30°	1244.3	5.3
30°-40°	2147.6	9.2
40°-50°	3673.5	15.7
50°-60°	5877.3	25.1
60°-70°	6790.6	29.0
70°-80°	2594.8	11.1
80°-90°	97.3	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°	23407.0	100.0
0°-180°	23407.0	100.0



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REPORT NUMBER: P322401
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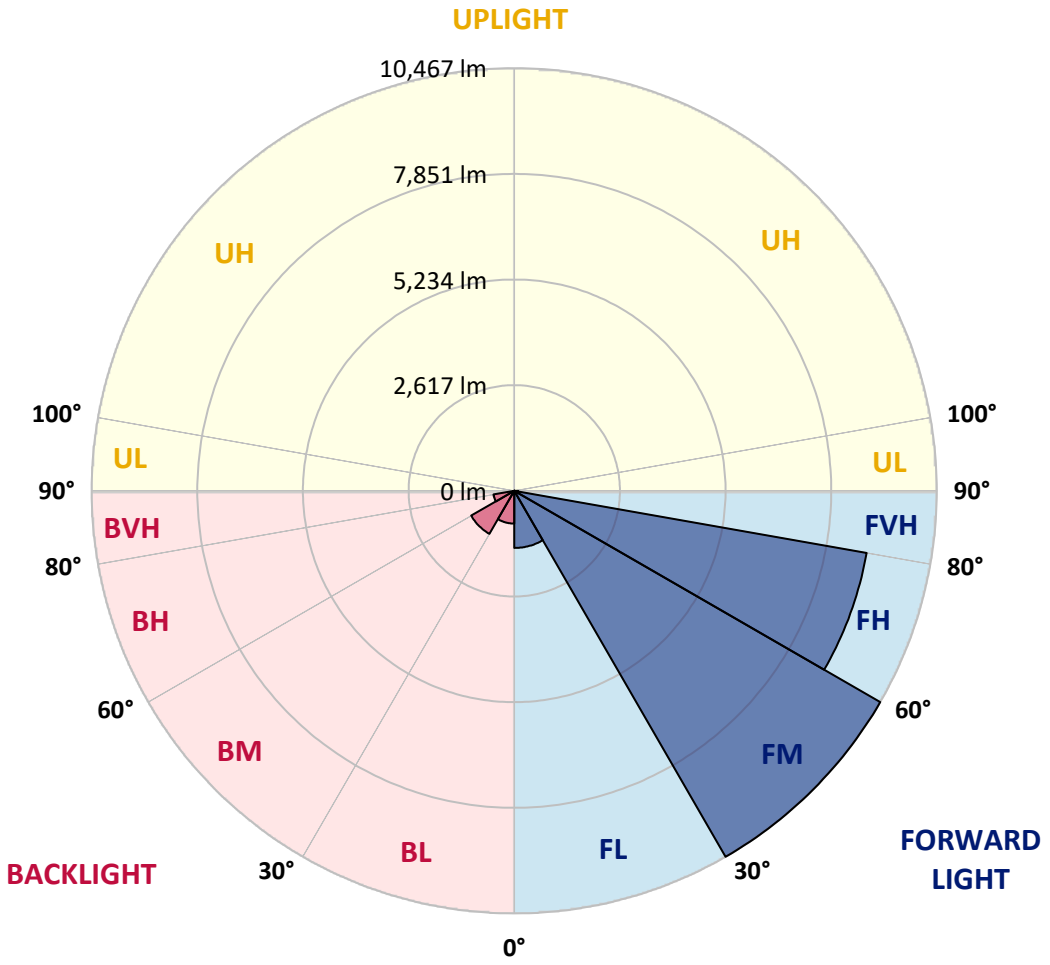
LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	1414.7	6.0			
FM	(30°-60°)	10467.4	44.7			
FH	(60°-80°)	8862.6	37.9			G4/12000
FVH	(80°-90°)	95.5	0.4			G1/100
BL	(0°-30°)	811.2	3.5	B2/1000		
BM	(30°-60°)	1231.0	5.3	B2/2500		
BH	(60°-80°)	522.7	2.2	B2/1000		G2/1000
BVH	(80°-90°)	1.8	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: P322401
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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	57°	65°	75°	85°
0°	2781.4	2781.4	2781.4	2781.4	2781.4	2781.4	2781.4	*2781.4*	2781.4	2781.4	2781.4
2.5°	2716.1	2728.2	2737.1	2742.6	2749.3	2763.7	2768.1	*2774.7*	2778.0	2778.0	2785.8
5°	2608.7	2622.0	2640.8	2656.3	2687.3	2727.1	2755.9	*2767.0*	2786.9	2804.6	2814.6
7.5°	2509.1	2524.6	2546.7	2583.3	2636.4	2700.6	2760.3	*2775.8*	2814.6	2852.2	2871.0
10°	2444.9	2457.1	2485.9	2537.9	2607.6	2697.3	2781.4	*2800.2*	2866.6	2929.7	2965.1
12.5°	2422.8	2433.8	2463.7	2522.4	2608.7	2713.9	2830.1	*2857.7*	2955.1	3047.0	3096.8
15°	2454.9	2457.1	2489.2	2544.5	2629.7	2754.8	2910.9	*2944.1*	3066.9	3186.5	3248.4
17.5°	2578.8	2568.9	2585.5	2609.8	2677.3	2809.0	2996.1	*3045.9*	3209.7	3350.3	3408.9
20°	2888.7	2888.7	2851.1	2784.7	2785.8	2893.2	3111.2	*3167.6*	3368.0	3530.7	3583.8
22.5°	3418.9	3408.9	3333.7	3171.0	3021.5	3038.1	3251.8	*3324.8*	3558.3	3732.1	3749.8
25°	4056.4	4044.2	3928.0	3698.9	3439.9	3272.8	3442.1	*3526.2*	3785.2	3939.1	3902.5
27.5°	4731.5	4721.6	4606.5	4322.0	3953.5	3646.9	3669.0	*3748.7*	4016.5	4168.2	4052.0
30°	5385.7	5389.0	5275.0	4982.8	4565.5	4123.9	3956.8	*4003.3*	4241.2	4395.1	4229.1
32.5°	6007.7	6012.1	5913.6	5587.1	5197.5	4678.4	4355.2	*4343.1*	4502.4	4654.1	4463.7
35°	6562.2	6573.2	6505.7	6252.3	5839.4	5296.0	4872.1	*4843.3*	4873.2	5044.8	4823.4
37.5°	7096.8	7103.4	7052.5	6838.9	6493.5	5974.5	5525.1	*5484.2*	5420.0	5551.7	5298.2
40°	7682.2	7665.6	7607.0	7413.3	7116.7	6723.8	6226.8	*6156.0*	6044.2	6161.5	5922.4
42.5°	8226.8	8208.0	8217.9	7998.8	7748.7	7494.1	7044.7	*6923.0*	6857.7	6992.7	6688.3
45°	8907.5	8897.5	8930.7	8740.3	8537.8	8353.0	7982.2	*7849.4*	7820.6	7978.9	7614.7
47.5°	9579.3	9603.6	9706.6	9625.8	9543.9	9381.2	8975.0	*8915.2*	8932.9	9124.4	8592.0
50°	10139.3	10168.1	10450.3	10543.3	10661.7	10566.5	10159.2	*10122.7*	10192.4	10365.1	9643.5
52.5°	10544.4	10603.1	10953.9	11382.3	11813.9	11878.1	11471.9	*11438.7*	11532.8	11559.3	10455.9
55°	10825.5	10877.6	11274.9	12058.5	12937.3	13214.0	12961.6	*12833.3*	12815.5	12553.2	11310.3
57.5°	10875.3	10869.8	11440.9	12495.7	13818.3	14532.2	14372.8	*14246.6*	13883.6	13471.9	12289.8
60°	10594.2	10626.3	11289.3	12647.3	14371.7	15529.4	15541.6	*15377.8*	14812.2	14365.1	13239.4
62.5°	9728.7	9859.3	10528.9	12250.0	14365.1	15931.2	16398.2	*16273.2*	15596.9	15096.6	14202.4
65°	8325.3	8371.8	9010.4	10888.6	13394.4	15762.9	17169.7	*17123.2*	16304.2	15807.2	14697.1
67.5°	6079.6	5978.9	6649.6	8574.3	11340.2	14782.3	17723.1	*17781.7*	16849.8	15953.3	14170.3
68°	*5548.3*	*5578.2*	*6100.6*	*8002.1*	*10802.3*	*14435.9*	*17759.6*	*17849.2*	*16904.0*	*15858.1*	*13882.5*
70°	3307.1	3364.6	3830.6	5509.6	8217.9	12475.8	17365.6	*17570.3*	16580.9	14876.4	12007.6
72.5°	844.5	913.1	1353.6	2465.9	4693.9	8790.1	14659.5	*15005.9*	14396.0	12068.5	8106.1
75°	347.5	365.2	483.7	812.4	1748.7	3960.1	9662.3	*10403.8*	9979.9	7225.1	3663.5
77.5°	240.2	252.3	311.0	450.5	757.0	1342.5	4737.1	*5272.8*	4750.4	2465.9	799.1
80°	172.7	182.6	222.5	299.9	435.0	479.2	1544.0	*1785.3*	1417.8	541.2	198.1
82.5°	102.9	110.7	166.0	213.6	264.5	229.1	384.1	*436.1*	410.6	269.0	88.5
85°	50.9	59.8	111.8	152.7	142.8	96.3	117.3	*130.6*	161.6	163.8	47.6
87.5°	3.3	6.6	65.3	91.9	39.8	22.1	34.3	*42.1*	57.6	80.8	19.9
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: P322401
CATALOG NUMBER: GLEON-SA7B-830-U-T3-HSS

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	2781.4	2781.4	2781.4	2781.4	2781.4	2781.4	2781.4	2781.4	2781.4	2781.4	2781.4
2.5°	2789.1	2790.2	2782.5	2779.2	2781.4	2768.1	2762.6	2764.8	2764.8	2768.1	2762.6
5°	2816.8	2816.8	2803.5	2785.8	2775.8	2750.4	2733.8	2729.3	2726.0	2723.8	2719.4
7.5°	2876.6	2869.9	2846.7	2807.9	2774.7	2719.4	2677.3	2655.2	2644.1	2639.7	2636.4
10°	2972.8	2960.7	2921.9	2850.0	2773.6	2675.1	2583.3	2518.0	2463.7	2441.6	2428.3
12.5°	3102.3	3084.6	3019.3	2899.8	2765.9	2584.4	2385.1	2193.7	2015.5	1942.4	1905.9
15°	3251.8	3226.3	3123.4	2941.9	2720.5	2379.6	1946.8	1611.5	1364.7	1271.7	1231.9
17.5°	3403.4	3370.2	3214.1	2968.4	2584.4	1955.7	1365.8	1031.5	866.6	822.3	806.9
20°	3556.1	3507.4	3292.7	2948.5	2276.7	1410.1	900.9	753.7	706.1	692.9	688.4
22.5°	3701.1	3625.9	3363.5	2871.0	1803.0	946.3	712.8	666.3	650.8	643.0	640.8
25°	3827.3	3722.1	3425.5	2632.0	1276.1	715.0	641.9	626.4	606.5	592.1	593.2
27.5°	3945.7	3818.4	3463.2	2237.9	851.1	610.9	594.3	573.3	536.8	515.8	515.8
30°	4088.5	3946.8	3490.8	1722.2	626.4	540.1	526.8	494.7	444.9	417.3	417.3
32.5°	4303.2	4141.6	3473.1	1208.6	519.1	474.8	443.8	399.6	345.3	318.8	317.6
35°	4631.9	4442.7	3346.9	792.5	458.2	412.8	363.0	308.8	261.2	239.1	238.0
37.5°	5074.6	4845.5	3063.6	566.7	410.6	355.3	295.5	235.7	200.3	185.9	184.8
40°	5649.1	5313.7	2658.5	459.3	366.3	299.9	228.0	182.6	158.3	147.2	148.3
42.5°	6338.6	5815.1	2172.6	396.2	323.2	246.8	178.2	143.9	128.4	120.6	118.4
45°	7104.5	6309.8	1663.5	353.1	280.0	199.2	139.5	114.0	101.8	97.4	97.4
47.5°	7946.8	6791.3	1217.5	315.4	233.5	153.8	111.8	93.0	83.0	79.7	78.6
50°	8711.6	7125.5	877.7	275.6	191.5	121.7	90.8	77.5	70.8	66.4	66.4
52.5°	9349.1	7230.7	646.4	232.4	155.0	97.4	75.3	66.4	59.8	56.4	56.4
55°	9910.2	7187.5	480.3	191.5	125.1	79.7	64.2	56.4	50.9	47.6	47.6
57.5°	10448.1	7048.1	358.6	156.1	100.7	64.2	54.2	47.6	42.1	39.8	39.8
60°	10887.5	6815.6	266.7	126.2	80.8	52.0	45.4	38.7	34.3	31.0	31.0
62.5°	11243.9	6558.9	195.9	104.0	64.2	41.0	35.4	32.1	25.5	22.1	22.1
65°	11246.1	6132.7	147.2	86.3	49.8	32.1	26.6	25.5	16.6	13.3	12.2
67.5°	10432.6	5287.1	112.9	74.2	38.7	24.3	19.9	21.0	8.9	5.5	4.4
68°	*10137.1*	*5072.4*	*106.3*	*73.0*	*36.5*	*23.2*	*18.8*	*21.0*	*7.7*	*4.4*	*3.3*
70°	8546.6	4035.4	85.2	70.8	32.1	17.7	15.5	21.0	6.6	3.3	2.2
72.5°	5466.4	2342.0	63.1	56.4	24.3	13.3	10.0	18.8	6.6	2.2	1.1
75°	2326.5	726.1	43.2	39.8	14.4	10.0	6.6	12.2	4.4	1.1	0.0
77.5°	490.3	163.8	25.5	24.3	10.0	6.6	4.4	3.3	1.1	0.0	0.0
80°	126.2	47.6	13.3	12.2	5.5	3.3	2.2	0.0	0.0	0.0	0.0
82.5°	39.8	18.8	7.7	5.5	2.2	0.0	0.0	0.0	0.0	0.0	0.0
85°	19.9	11.1	4.4	2.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	11.1	3.3	1.1	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

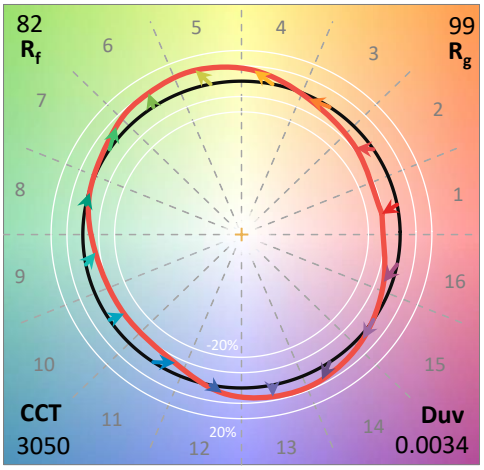
Test Information

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

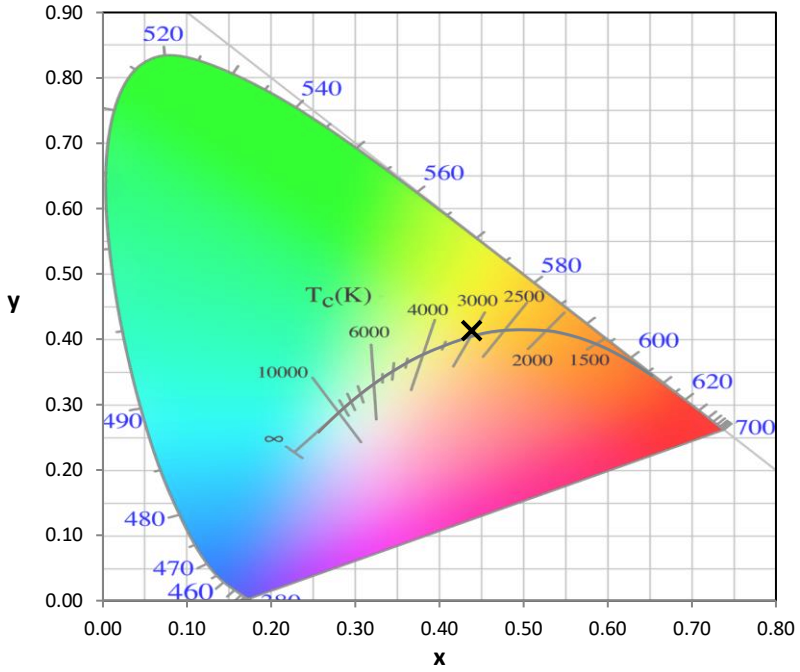
Stabilization Time:	20M
Operation Time:	1H 20M
Sphere Temperature (°C):	24.2

REPORT NUMBER: SP1-2408-195-9

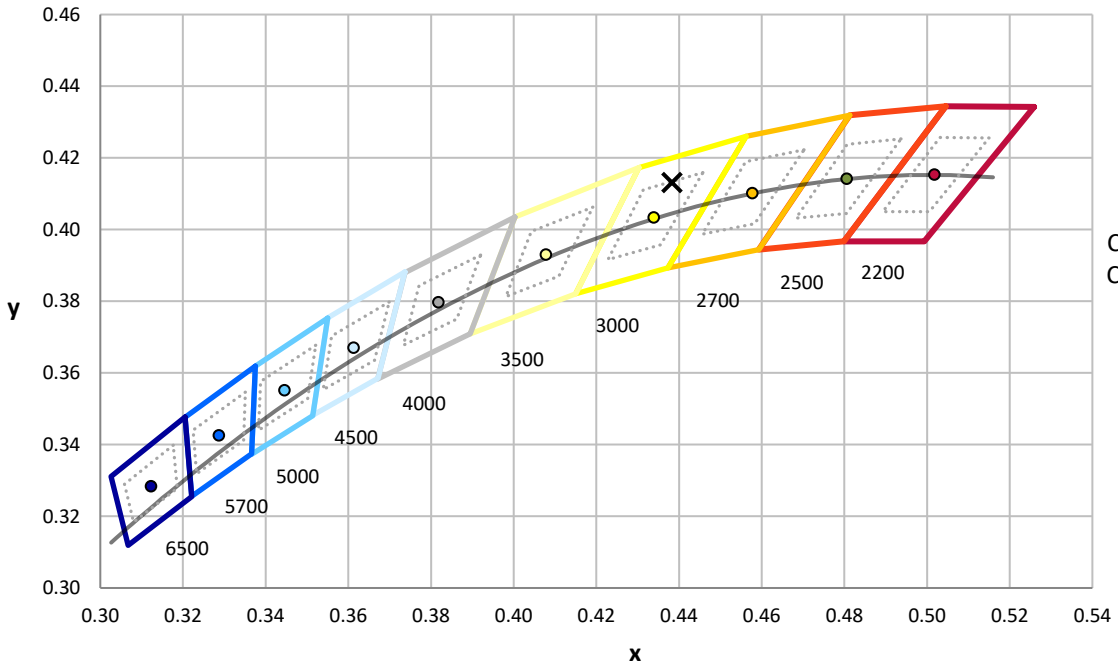
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

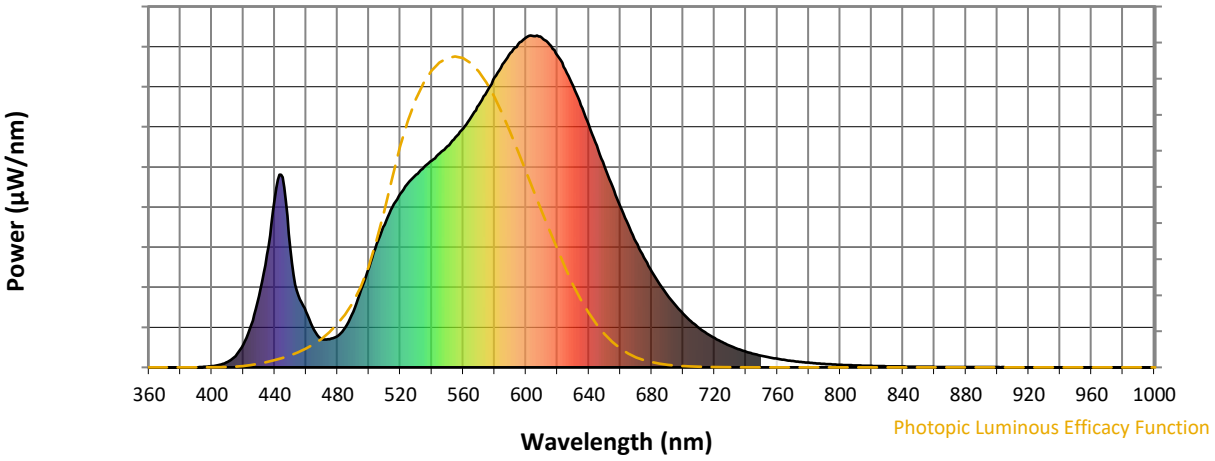


CCT = 3050K
CIE x = 0.4383
CIE y = 0.4131
Duv = 0.0034

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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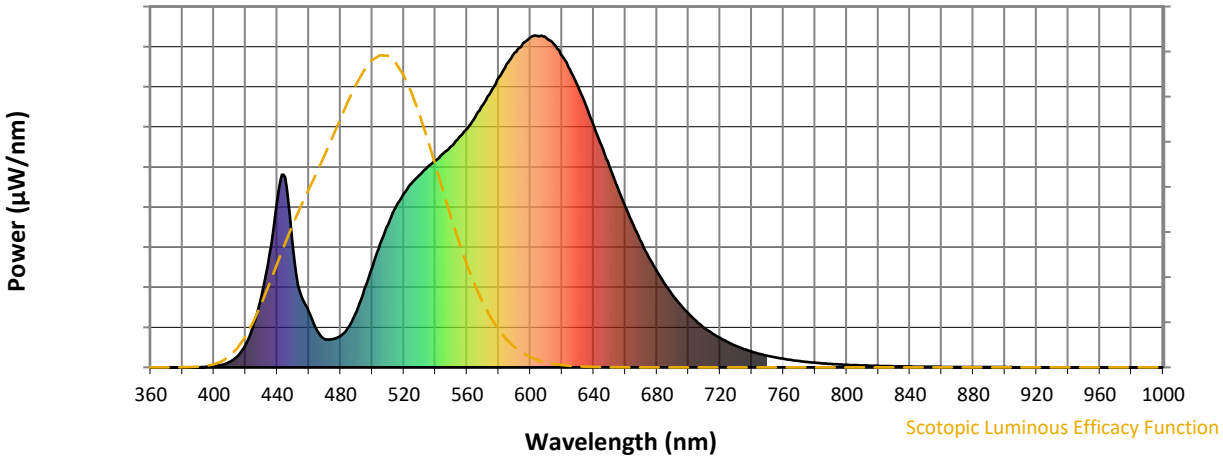
Scotopic Flux vs. Wavelength



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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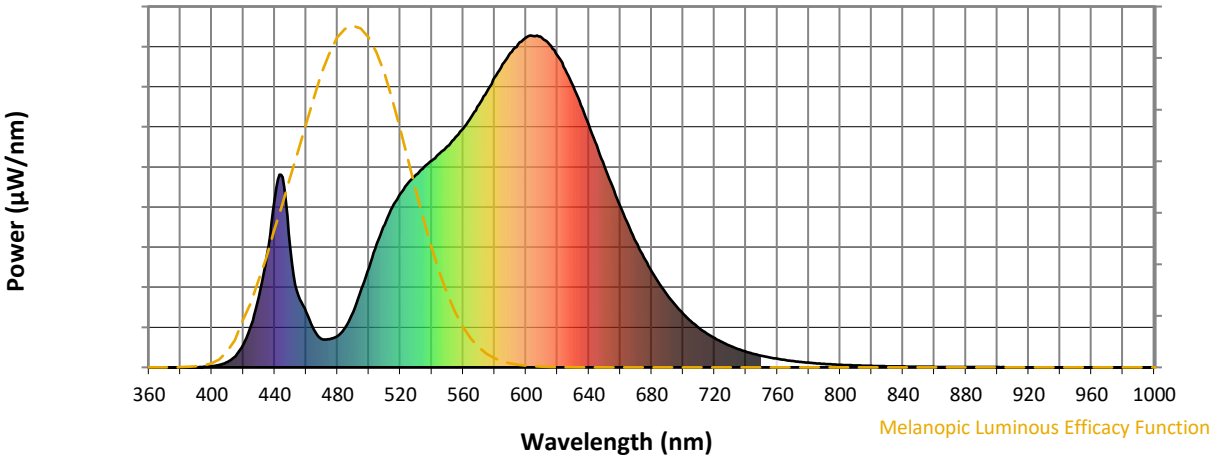
Melanopic Flux vs. Wavelength



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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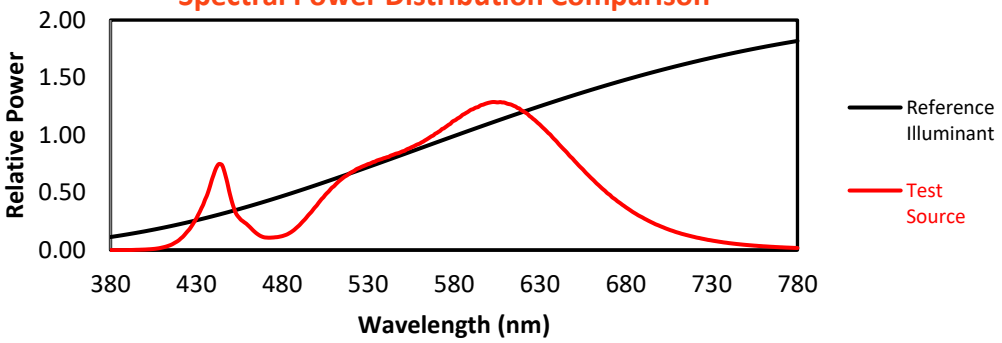
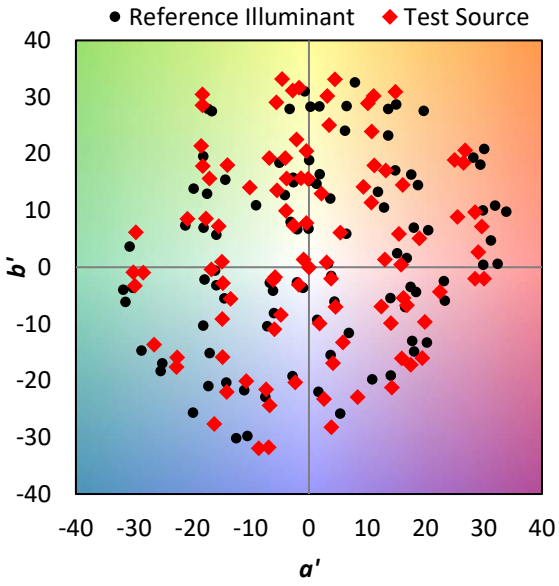
Summary

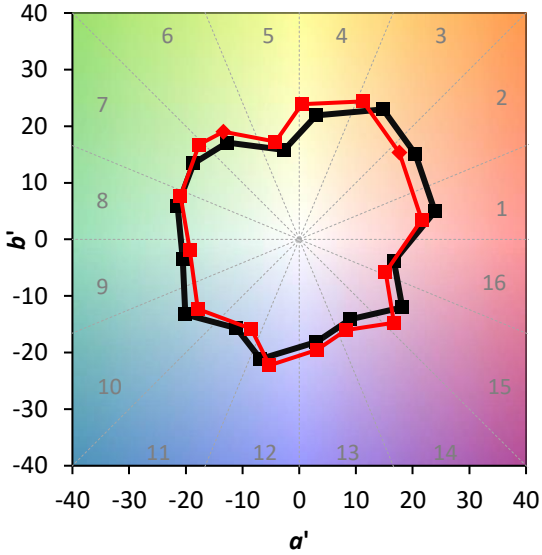
R_f = 81.5
R_g = 99.2
CIE R_a = 81.0
R_9 = 7.1

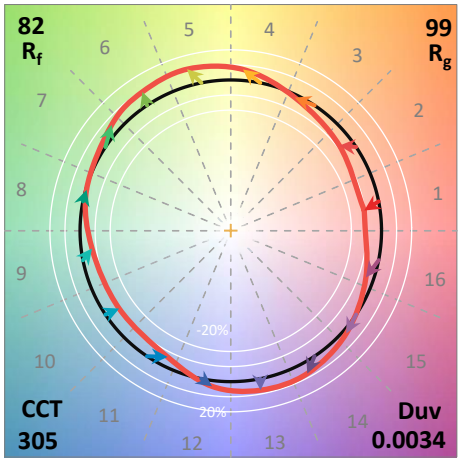
Spectral Power Distribution Comparison

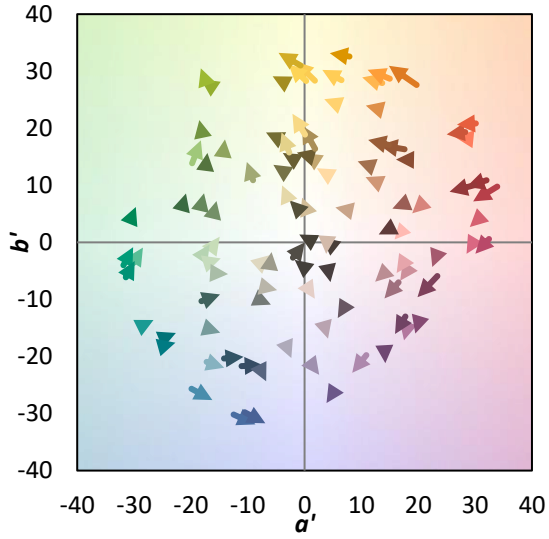


Color Vector Graphics









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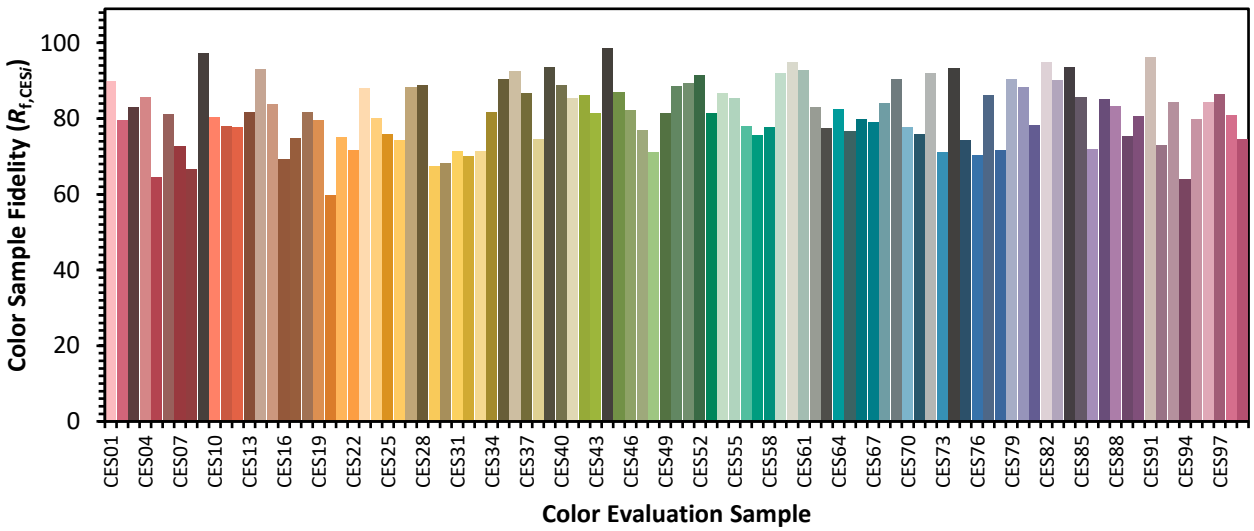
Individual Sample Fidelity Index ($R_{f,i}$)

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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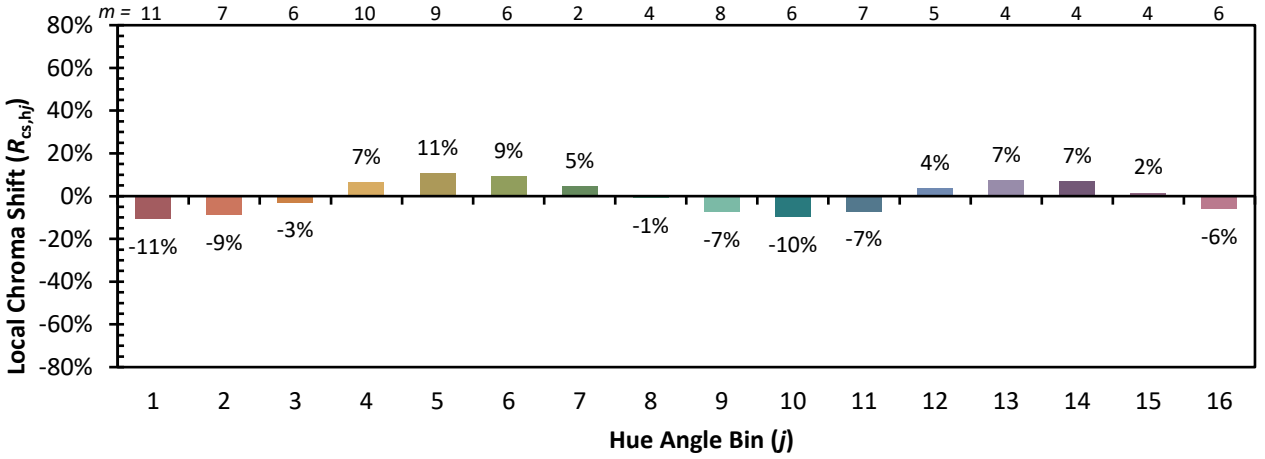
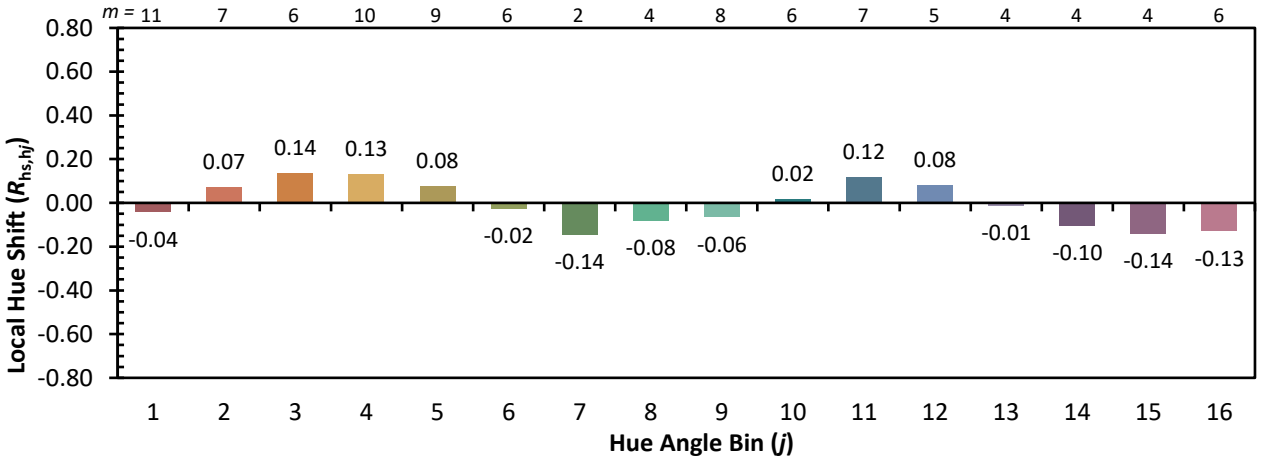
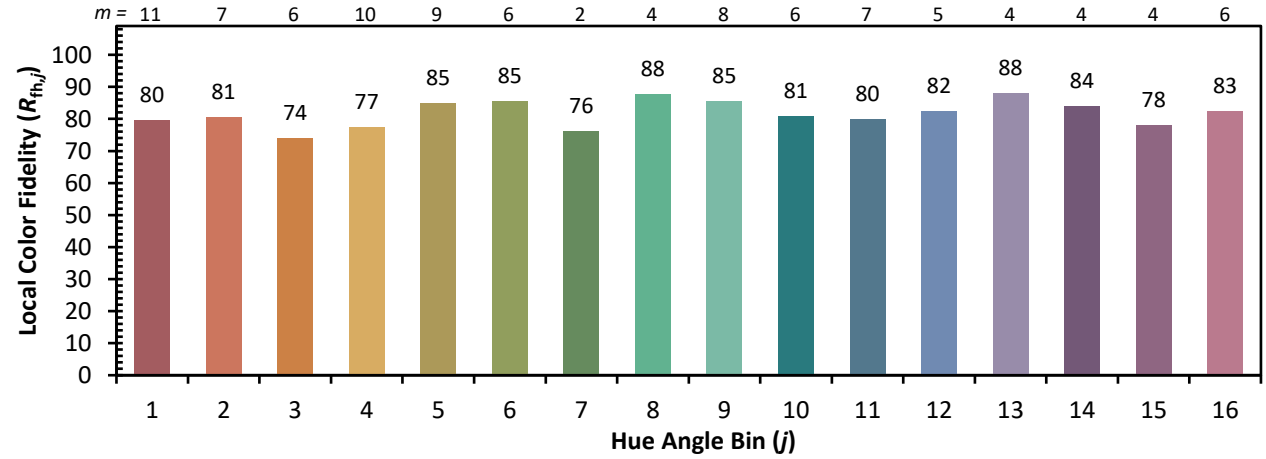
Color Rendition by Hue-Angle Bin







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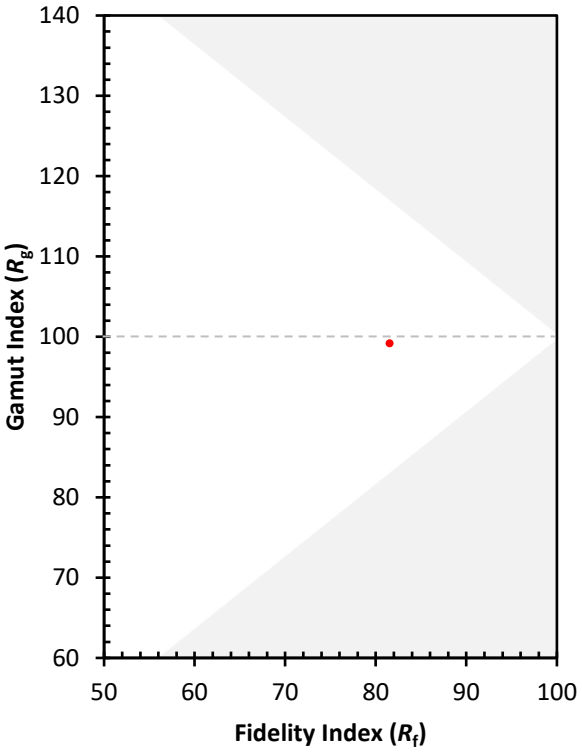
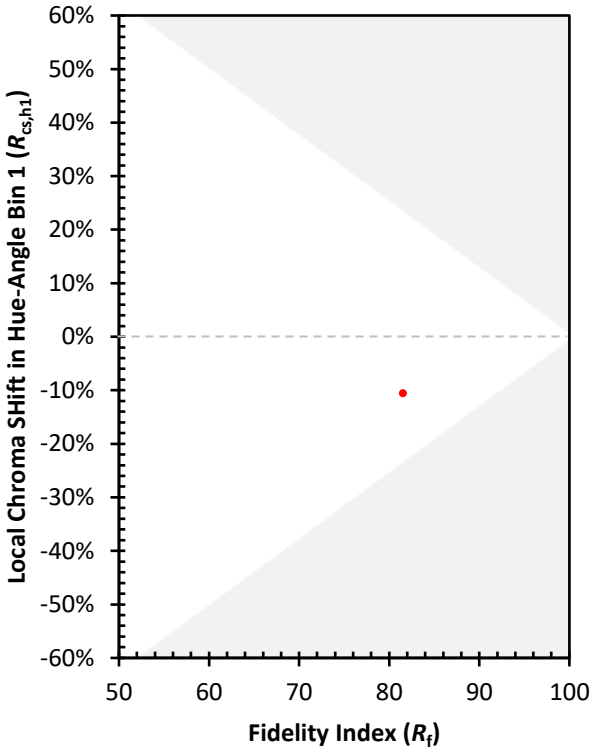
Measure Comparisons





(END OF REPORT)