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: P322079

Luminaire Tested: **GLEON-SA5B-830-U-T2-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:	P322079
	TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-13)
Test Lab:	INNOVATION CENTER
Issue Date:	3/3/2020
Manufacturer:	COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line:	McGRAW-EDISON
Catalog Number:	GLEON-SA5B-830-U-T2-HSS
Description:	GALLEON AREA AND ROADWAY LUMINAIRE
	(5) 80 CRI, 3000K, 800mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II
	OPTICS WITH HOUSE SIDE SHIELD
Light Source:	-
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	16146 lumens
Efficiency:	N/A
Efficacy:	76.9 lumens/watt
Luminous Opening:	Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification:	Type II - Medium
BUG Rating:	B1 - U0 - G3

Input Watts (W):	210
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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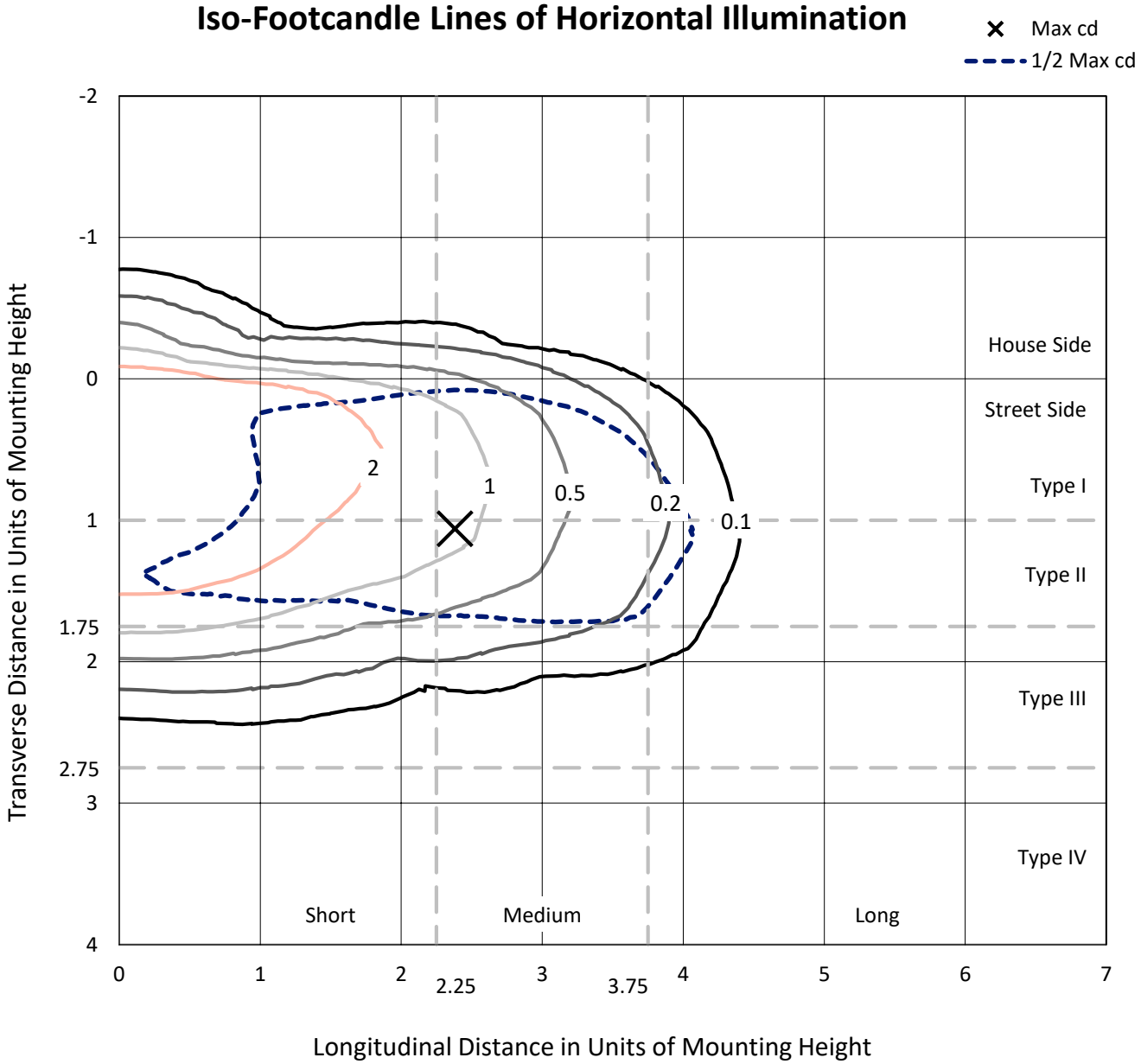
Scaled Data Report

REPORT NUMBER: P322079
CATALOG NUMBER: GLEON-SA5B-830-U-T2-HSS

Iso-Footcandle Lines of Horizontal Illumination



Based on 25 foot mounting height. Maximum calculated value = 4.9 fc
Type II - Medium - N/A

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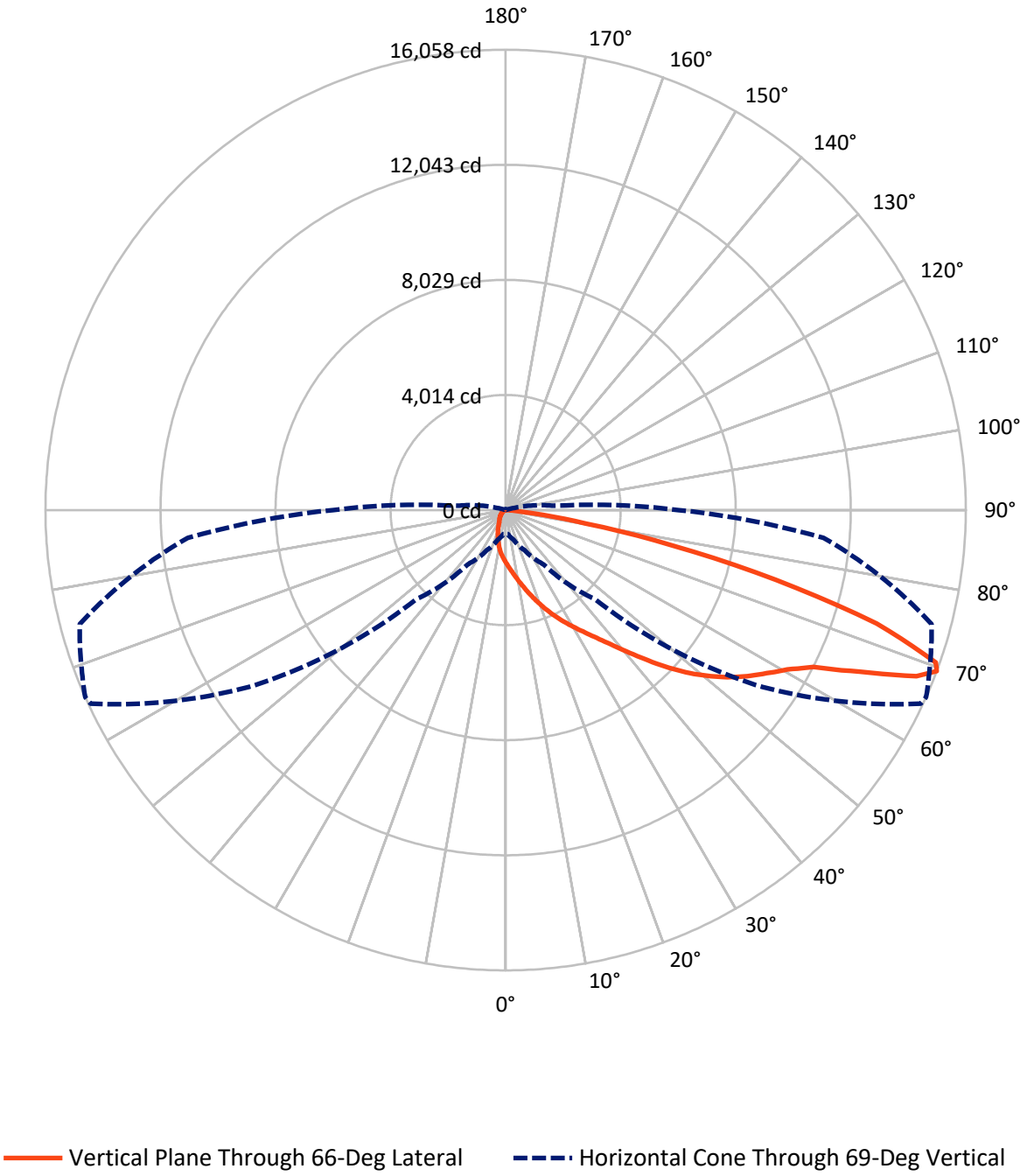
Luminous Intensity Polar Plot



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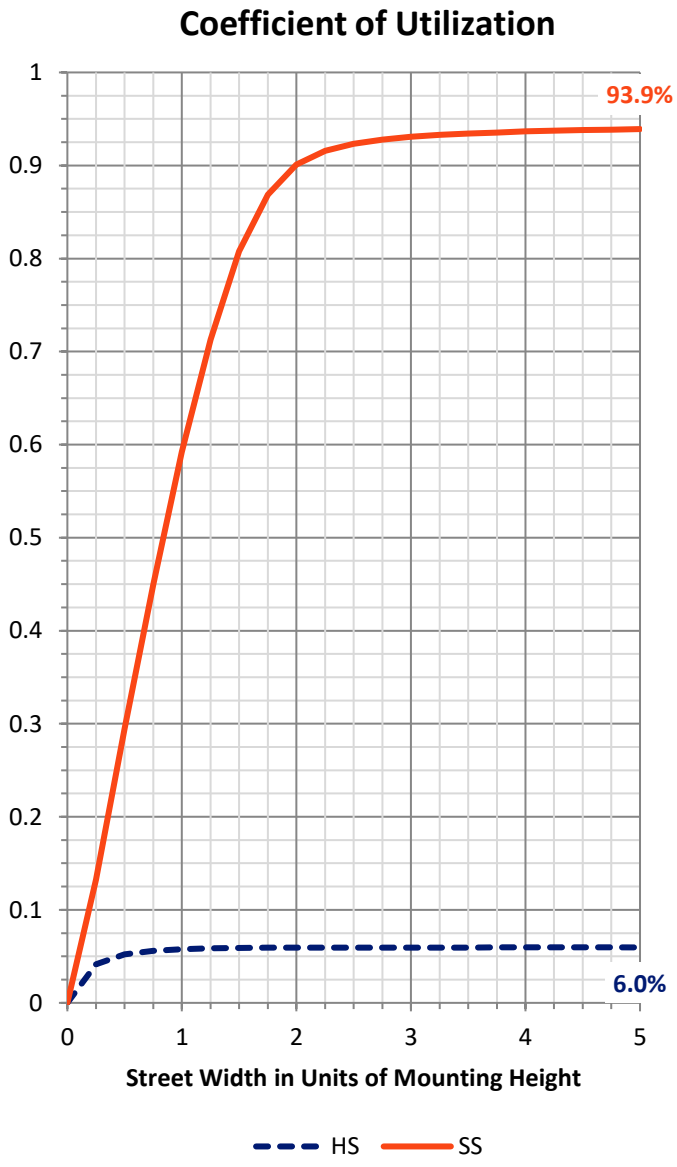
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	968.5	0.0	968.5
	% Fixture	6.0	0.0	6.0
Street Side	Lumens	15177.5	0.0	15177.5
	% Fixture	94.0	0.0	94.0
Total	Lumens	16146.0	0.0	16146.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	177.6	1.1
10°-20°	528.6	3.3
20°-30°	920.5	5.7
30°-40°	1615.0	10.0
40°-50°	2703.3	16.7
50°-60°	3973.6	24.6
60°-70°	4079.9	25.3
70°-80°	2014.1	12.5
80°-90°	133.2	0.8
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°	16146.0	100.0
0°-180°	16146.0	100.0



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REPORT NUMBER: P322079
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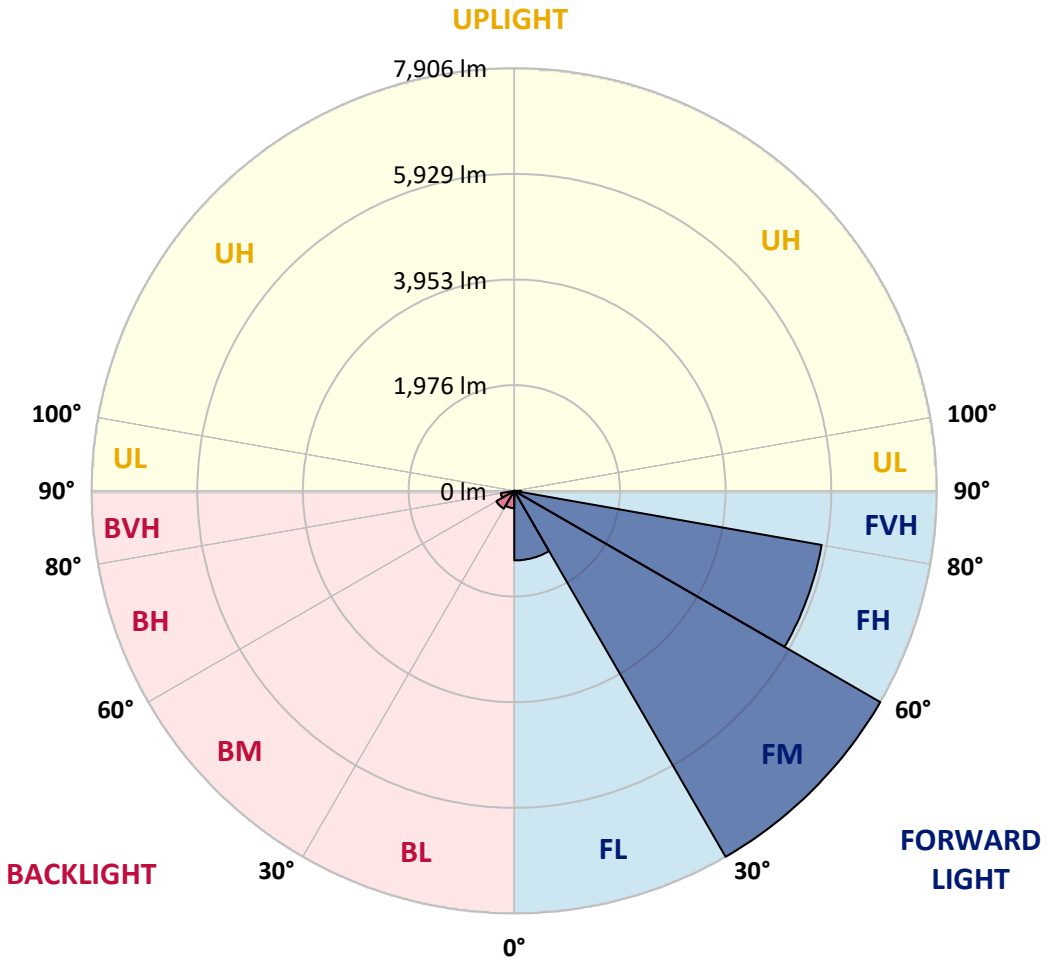
LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	1302.8	8.1			
FM	(30°-60°)	7905.9	49.0			
FH	(60°-80°)	5838.8	36.2			G3/7500
FVH	(80°-90°)	130.0	0.8			G2/225
BL	(0°-30°)	323.9	2.0	B1/500		
BM	(30°-60°)	386.2	2.4	B1/1000		
BH	(60°-80°)	255.2	1.6	B1/500		G1/500
BVH	(80°-90°)	3.2	0.0			G0/10
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G3
Type II Medium



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REPORT NUMBER: P322079
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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	66°	75°	85°
0°	1837.5	1837.5	1837.5	1837.5	1837.5	1837.5	1837.5	1837.5	*1837.5*	1837.5	1837.5
2.5°	2162.6	2153.4	2149.6	2132.7	2103.6	2081.3	2038.4	1988.5	*1979.3*	1931.0	1872.0
5°	2443.3	2435.6	2430.3	2406.5	2376.6	2320.6	2242.4	2149.6	*2132.0*	2039.9	1921.8
7.5°	2638.9	2652.7	2652.7	2637.3	2599.8	2557.6	2461.7	2335.2	*2312.9*	2171.8	1988.5
10°	2753.1	2770.0	2783.0	2796.1	2790.7	2773.8	2683.3	2540.7	*2513.9*	2326.7	2066.0
12.5°	2763.9	2780.7	2817.6	2872.0	2924.9	2963.3	2906.5	2768.5	*2737.8*	2506.2	2158.0
15°	2704.1	2721.7	2778.4	2884.3	3012.3	3124.3	3142.7	3020.8	*2989.3*	2720.2	2273.1
17.5°	2599.8	2611.3	2692.5	2839.0	3039.9	3245.5	3356.7	3291.5	*3262.3*	2964.8	2401.1
20°	2522.3	2530.7	2602.1	2759.3	3023.1	3321.4	3559.1	3579.1	*3548.4*	3227.1	2539.9
22.5°	2655.0	2670.3	2672.6	2747.0	2977.1	3359.0	3737.1	3862.1	*3839.0*	3505.5	2676.4
25°	3017.7	3035.3	2977.1	2931.1	3016.2	3375.8	3889.7	4151.9	*4133.5*	3805.3	2813.7
27.5°	3497.0	3515.4	3440.3	3303.0	3220.9	3439.5	4025.4	4446.4	*4445.7*	4122.8	2961.7
30°	3967.9	3986.3	3909.6	3772.3	3583.7	3619.7	4142.7	4754.7	*4759.3*	4450.3	3118.9
32.5°	4461.8	4484.8	4405.8	4229.4	4032.3	3931.1	4307.6	5064.5	*5090.6*	4829.9	3296.1
35°	5023.1	5026.2	4915.0	4730.2	4503.2	4347.5	4572.2	5411.9	*5474.1*	5300.0	3520.8
37.5°	5573.8	5596.0	5504.7	5213.3	5004.7	4828.3	4965.6	5846.0	*5934.2*	5874.4	3814.5
40°	5981.7	6028.5	6015.5	5701.1	5503.2	5377.4	5454.1	6362.1	*6474.1*	6543.1	4184.9
42.5°	6237.9	6273.2	6333.0	6143.5	5964.1	5984.8	6030.8	6963.4	*7101.4*	7305.4	4610.5
45°	6531.6	6548.5	6598.3	6514.7	6393.6	6602.1	6642.8	7640.5	*7785.5*	8125.2	5082.9
47.5°	6890.5	6930.4	6944.2	6867.5	6812.3	7148.2	7232.5	8256.3	*8459.6*	9003.3	5583.0
50°	7347.6	7358.3	7382.1	7332.2	7277.0	7617.5	7761.7	8902.8	*9087.6*	9884.4	6076.1
52.5°	7794.7	7833.0	7915.8	7884.4	7862.1	8017.1	8233.3	9485.7	*9691.9*	10619.1	6568.4
55°	7923.5	7956.5	8242.5	8438.1	8619.1	8509.4	8684.3	10007.9	*10231.1*	11275.6	7042.3
57.5°	7408.9	7475.6	7971.0	8480.3	9231.0	9274.8	9303.9	10544.0	*10744.1*	11778.7	7535.5
60°	6108.3	6121.3	6934.2	7807.7	9129.8	9942.7	10208.8	11119.9	*11287.8*	12247.2	8126.0
62.5°	3885.1	4017.7	4909.6	6142.8	8059.2	9846.1	11303.2	11991.1	*12052.4*	12809.4	8972.6
65°	1850.5	1936.4	2579.0	3795.3	5837.6	8609.1	12058.6	13567.0	*13594.6*	13923.6	10103.8
67.5°	1024.6	1066.0	1372.0	2043.0	3412.7	6088.3	11753.3	15433.6	*15459.7*	15061.7	11096.1
69°	*801.4*	*836.7*	*1077.5*	*1539.9*	*2313.7*	*4375.9*	*10636.0*	*15980.4*	*16057.9*	*15387.6*	*11131.4*
70°	680.2	714.7	927.9	1300.6	1860.5	3381.2	9467.2	15844.7	*15926.8*	15357.0	10868.4
72.5°	416.4	436.4	618.1	915.7	1247.0	1701.0	5838.3	13399.9	*13538.7*	14087.0	9340.7
75°	280.7	291.4	386.5	631.9	891.9	875.8	3033.0	9445.0	*9745.6*	10958.1	6898.9
77.5°	200.9	210.9	259.2	408.8	625.0	578.2	1373.5	5869.8	*5934.2*	6572.2	3762.4
80°	114.3	123.5	183.3	243.1	424.1	385.7	546.0	2803.7	*2836.0*	2818.3	1256.2
82.5°	59.8	67.5	100.5	160.3	272.2	252.3	227.0	938.7	*943.3*	784.5	275.3
85°	11.5	13.8	49.8	109.7	140.3	109.7	92.8	220.1	*224.7*	198.6	68.3
87.5°	0.0	0.8	19.9	24.5	27.6	28.4	29.9	42.9	*46.0*	62.1	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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REPORT NUMBER: P322079
CATALOG NUMBER: GLEON-SA5B-830-U-T2-HSS

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1837.5	1837.5	1837.5	1837.5	1837.5	1837.5	1837.5	1837.5	1837.5	1837.5	1837.5
2.5°	1845.9	1818.3	1765.4	1704.0	1656.5	1609.7	1572.9	1534.5	1520.7	1513.8	1513.1
5°	1864.3	1806.0	1694.1	1579.0	1484.7	1395.7	1332.1	1271.5	1243.1	1230.1	1224.7
7.5°	1895.0	1801.4	1621.2	1445.6	1309.8	1198.6	1110.5	1044.5	1011.5	997.7	992.4
10°	1931.0	1795.3	1536.1	1304.5	1131.2	1016.1	928.7	863.5	827.5	812.1	804.5
12.5°	1973.2	1784.6	1437.9	1161.8	978.6	863.5	757.7	677.2	635.8	618.1	609.7
15°	2025.4	1773.8	1335.2	1027.6	844.3	704.0	588.2	533.8	525.3	522.3	523.0
17.5°	2076.7	1756.9	1223.2	895.0	703.2	549.9	490.8	487.7	489.3	489.3	489.3
20°	2122.7	1718.6	1101.3	781.5	569.0	464.0	451.7	446.3	442.5	439.4	435.6
22.5°	2158.8	1667.2	983.9	668.7	464.7	424.9	405.7	388.8	375.0	365.8	361.2
25°	2183.3	1599.0	876.6	560.6	418.0	386.5	352.0	323.6	302.2	289.1	283.7
27.5°	2201.7	1525.3	780.7	469.3	385.7	342.0	296.8	263.0	240.8	229.3	224.7
30°	2214.8	1441.8	696.3	412.6	349.7	295.3	246.9	214.0	197.9	191.7	188.7
32.5°	2227.0	1349.0	616.6	385.7	316.0	252.3	207.1	181.8	171.8	164.1	161.8
35°	2257.7	1263.1	540.7	357.4	281.4	215.5	177.9	159.5	149.5	144.9	143.4
37.5°	2330.6	1199.4	467.8	328.2	246.9	186.4	155.7	142.6	133.4	128.8	127.3
40°	2447.9	1167.2	406.5	296.8	213.2	164.1	141.1	128.8	118.9	112.0	110.4
42.5°	2620.5	1171.8	363.5	265.3	186.4	146.5	127.3	112.7	102.0	95.9	94.3
45°	2829.8	1205.5	333.6	234.7	164.1	132.7	112.0	96.6	86.7	81.3	79.8
47.5°	3056.8	1260.0	309.1	207.1	146.5	119.6	96.6	80.5	72.1	67.5	66.7
50°	3296.1	1312.9	283.7	180.2	131.1	106.6	81.3	66.7	59.8	56.0	54.4
52.5°	3538.4	1374.3	260.7	155.7	118.1	91.3	67.5	54.4	49.1	46.0	44.5
55°	3799.2	1420.3	238.5	136.5	105.1	77.5	56.0	45.2	40.6	36.8	36.0
57.5°	4105.9	1491.6	215.5	118.1	89.7	64.4	46.0	36.0	32.2	28.4	27.6
60°	4520.0	1575.2	191.0	104.3	73.6	52.9	37.6	29.1	24.5	21.5	20.7
62.5°	5066.1	1668.0	160.3	91.3	59.8	42.9	29.9	23.0	17.6	13.8	13.8
65°	5758.6	1819.1	131.1	76.7	49.1	35.3	23.0	16.9	10.0	6.1	6.1
67.5°	6162.7	1845.1	105.8	62.9	39.9	29.9	19.2	11.5	3.1	0.8	0.0
69°	*6033.1*	*1694.1*	*89.7*	*53.7*	*34.5*	*28.4*	*17.6*	*8.4*	*1.5*	*0.0*	*0.0*
70°	5789.2	1549.1	79.0	47.5	31.4	26.8	16.9	6.1	1.5	0.0	0.0
72.5°	4783.9	1102.8	59.8	35.3	23.0	23.8	15.3	3.8	1.5	0.0	0.0
75°	3484.7	670.3	42.9	24.5	14.6	17.6	10.7	1.5	0.8	0.0	0.0
77.5°	1938.7	316.0	26.8	13.8	9.2	10.7	5.4	0.0	0.0	0.0	0.0
80°	629.6	85.9	12.3	7.7	5.4	6.1	2.3	0.0	0.0	0.0	0.0
82.5°	116.6	24.5	6.9	3.8	1.5	1.5	0.0	0.0	0.0	0.0	0.0
85°	25.3	10.0	3.8	1.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	8.4	3.1	0.8	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

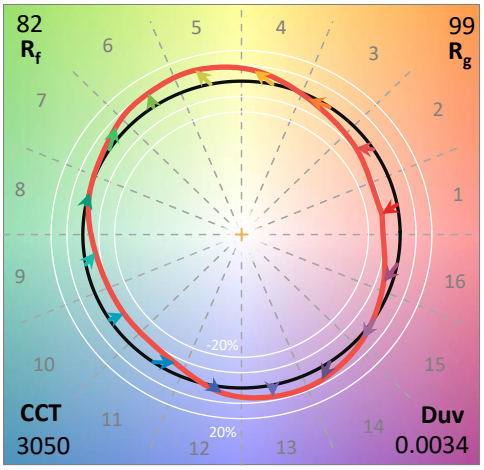
Test Information

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

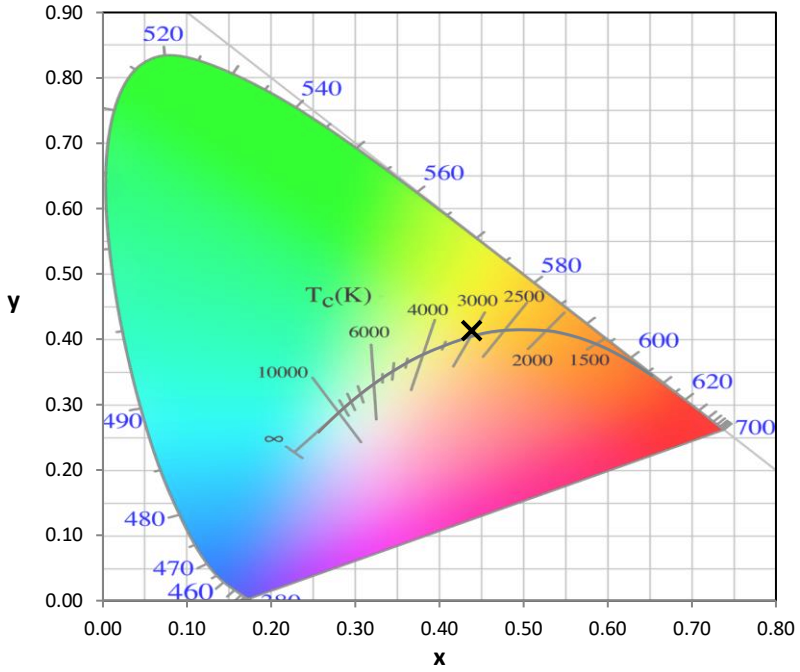
Stabilization Time:	20M
Operation Time:	1H 20M
Sphere Temperature (°C):	24.2

REPORT NUMBER: SP1-2408-195-9

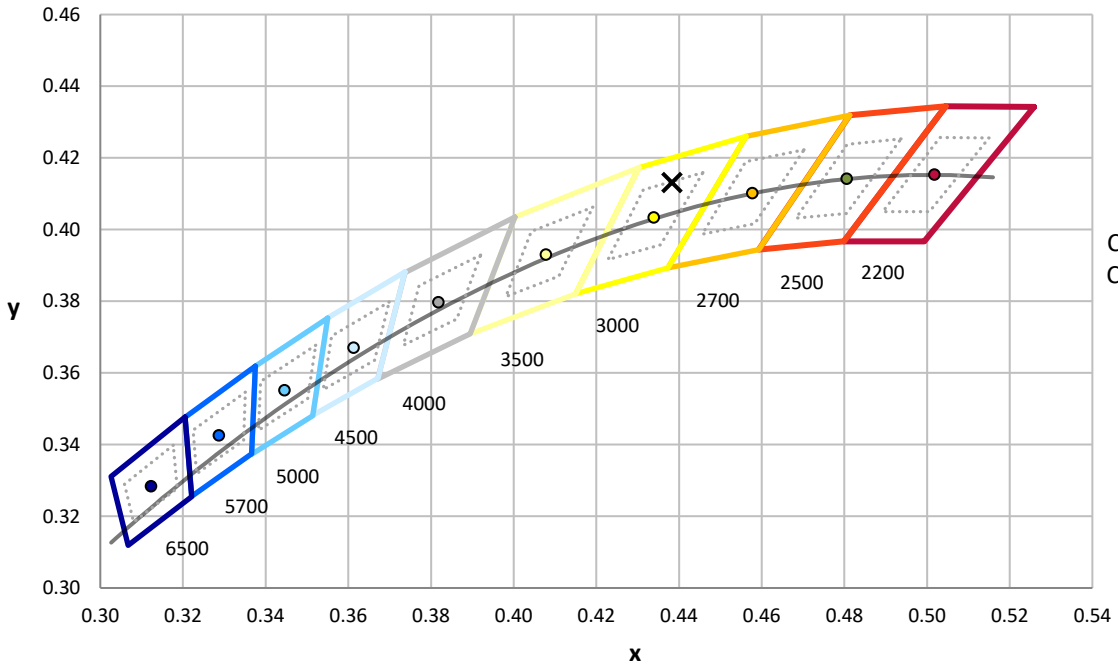
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

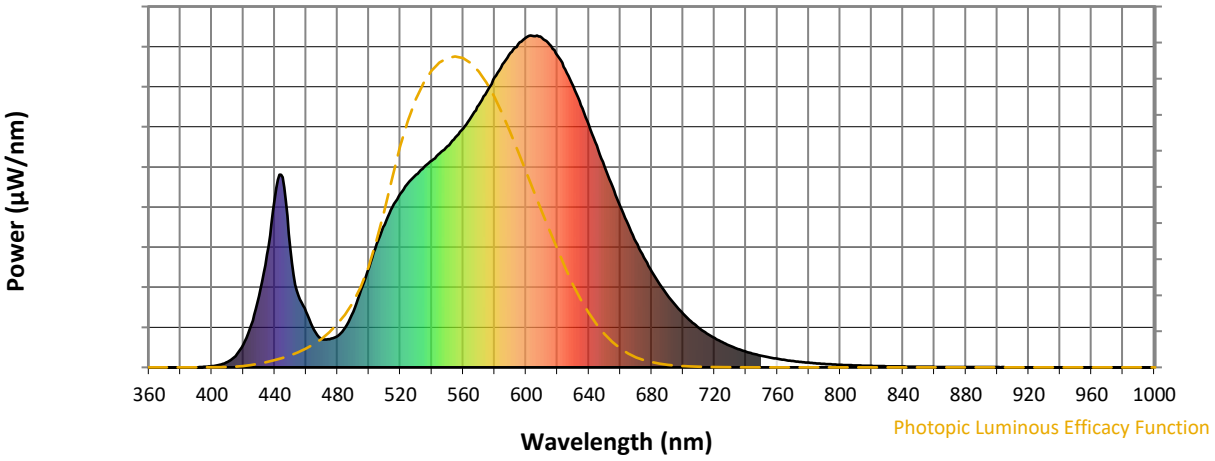


CCT = 3050K
CIE x = 0.4383
CIE y = 0.4131
Duv = 0.0034

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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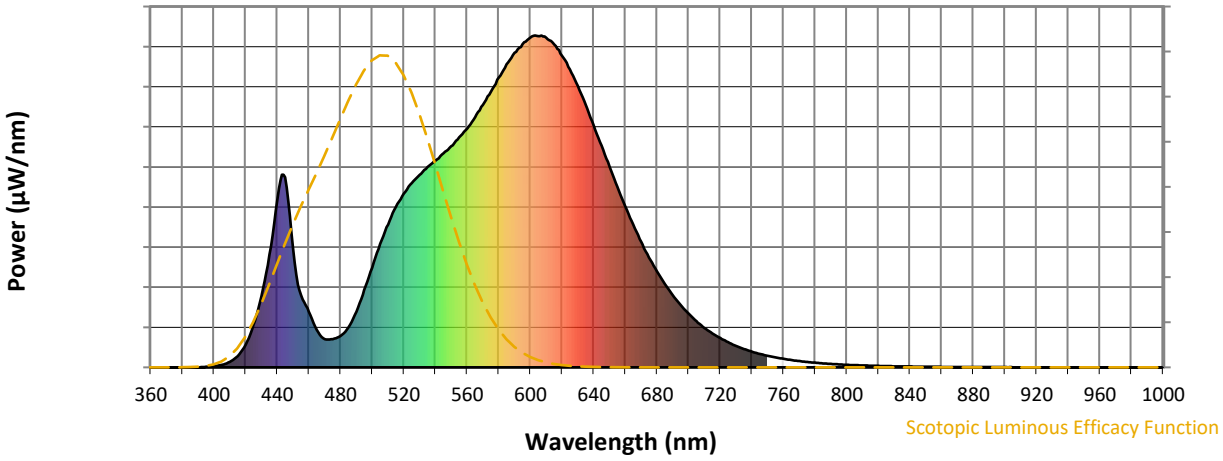
Scotopic Flux vs. Wavelength



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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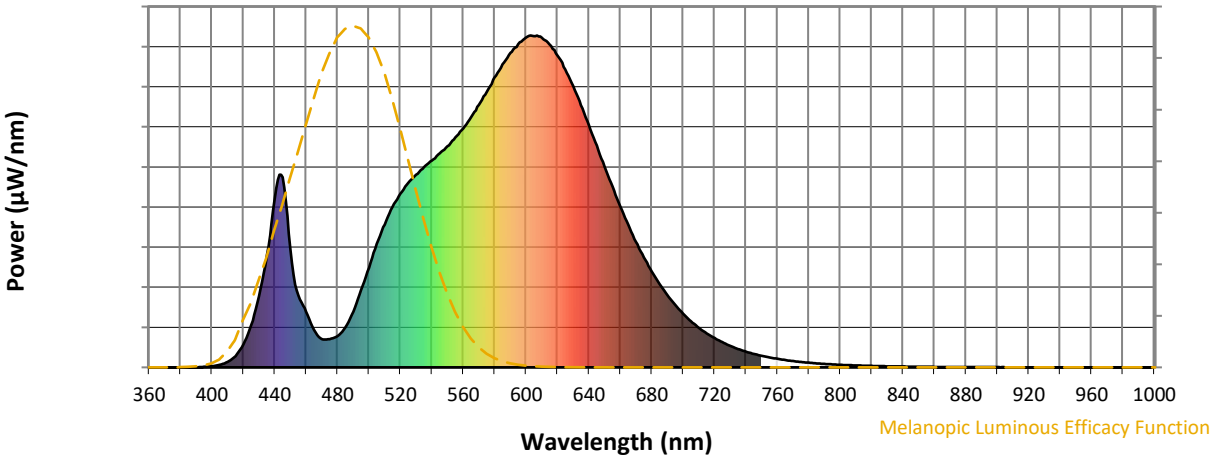
Melanopic Flux vs. Wavelength



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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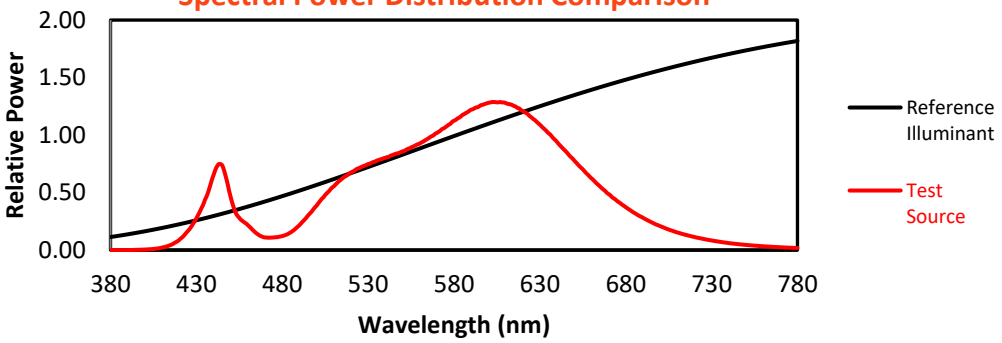
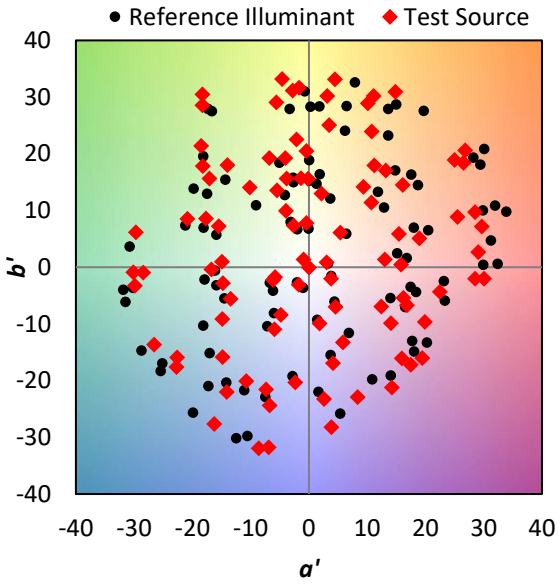
Summary

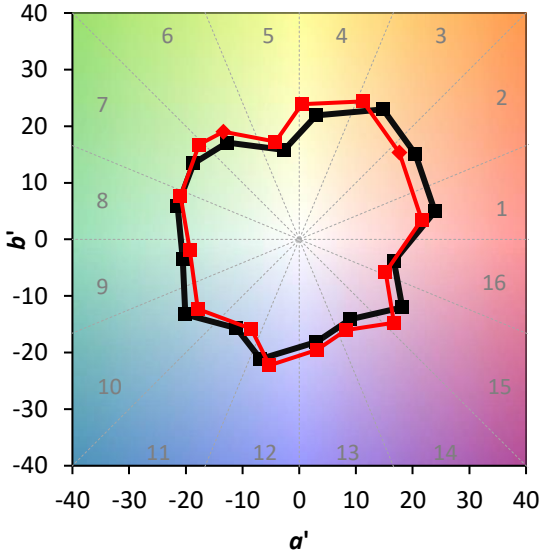
R_f = 81.5
R_g = 99.2
CIE R_a = 81.0
R_9 = 7.1

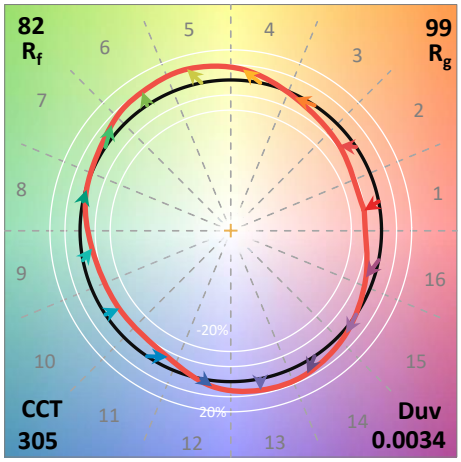
Spectral Power Distribution Comparison

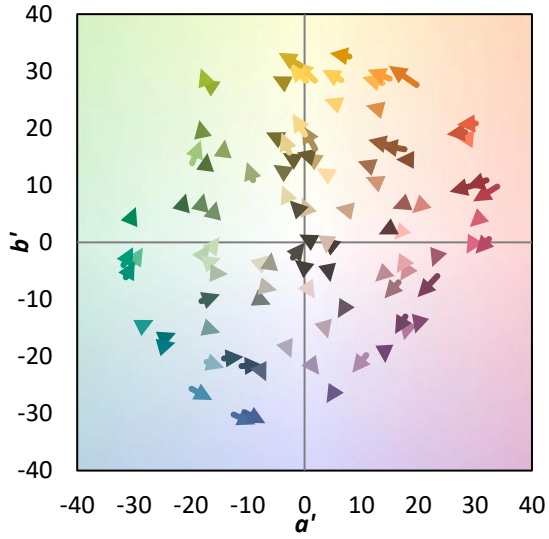


Color Vector Graphics









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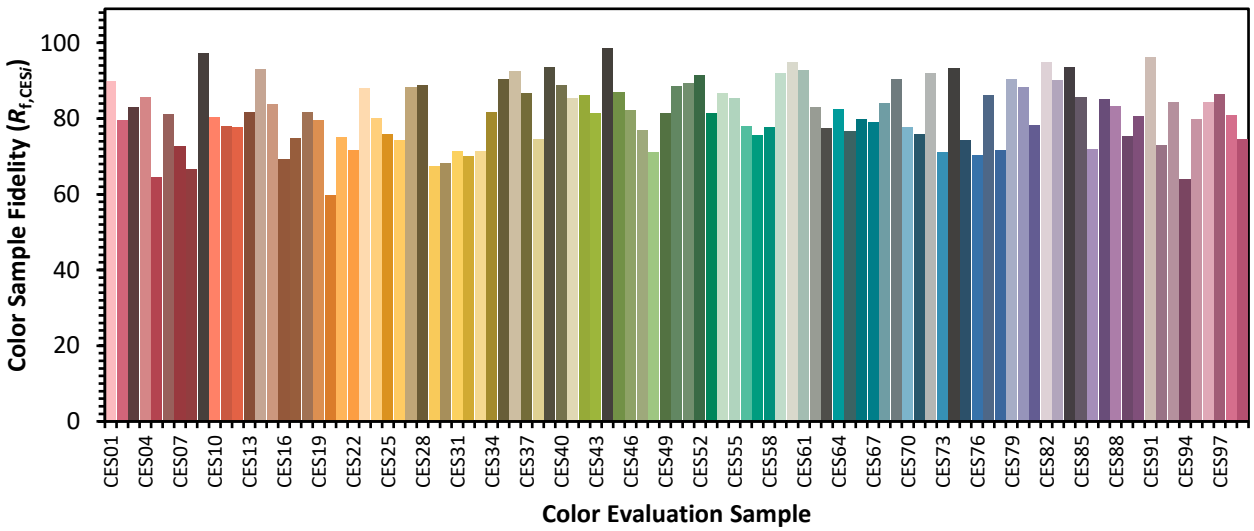
Individual Sample Fidelity Index ($R_{f,i}$)

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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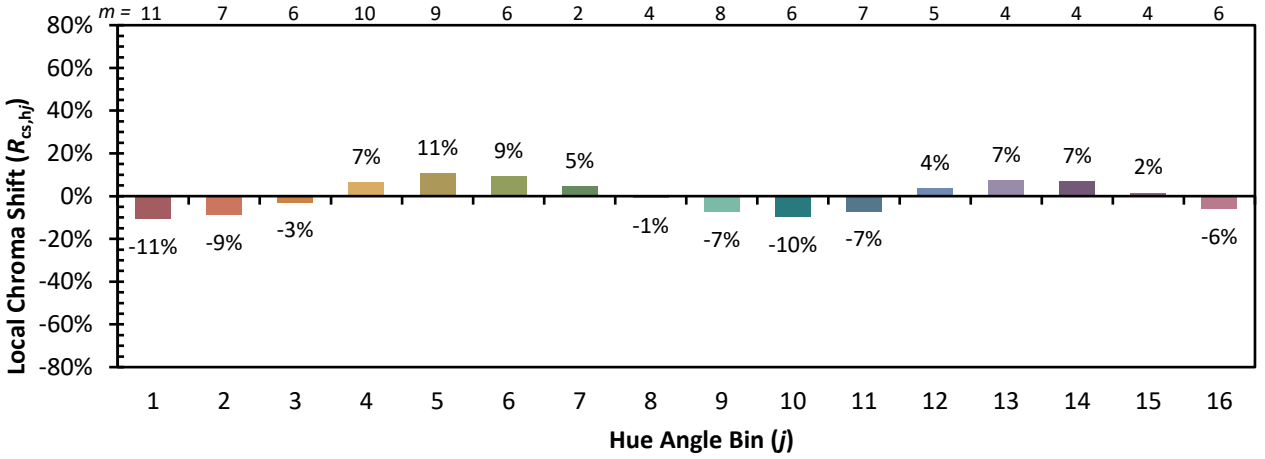
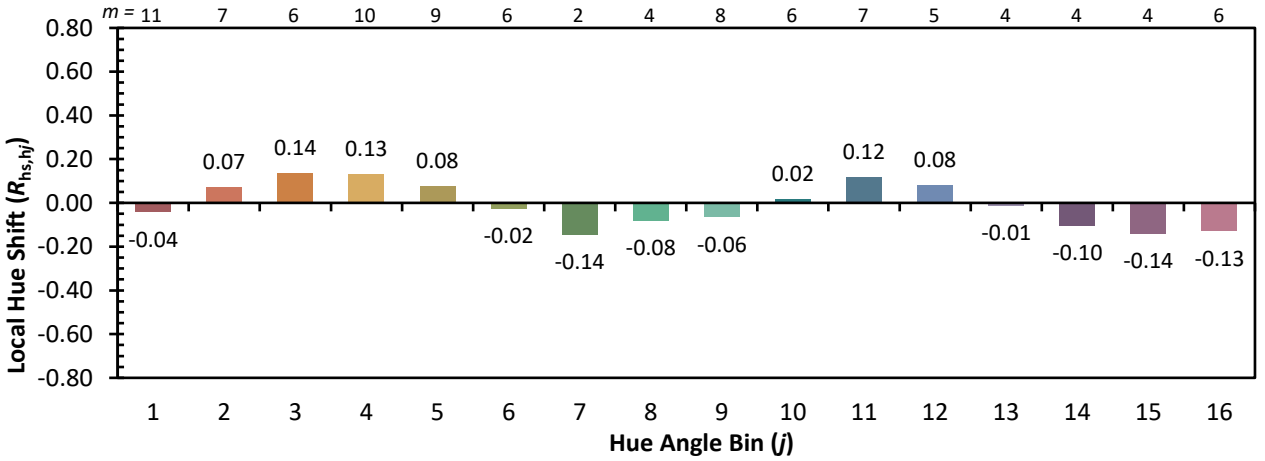
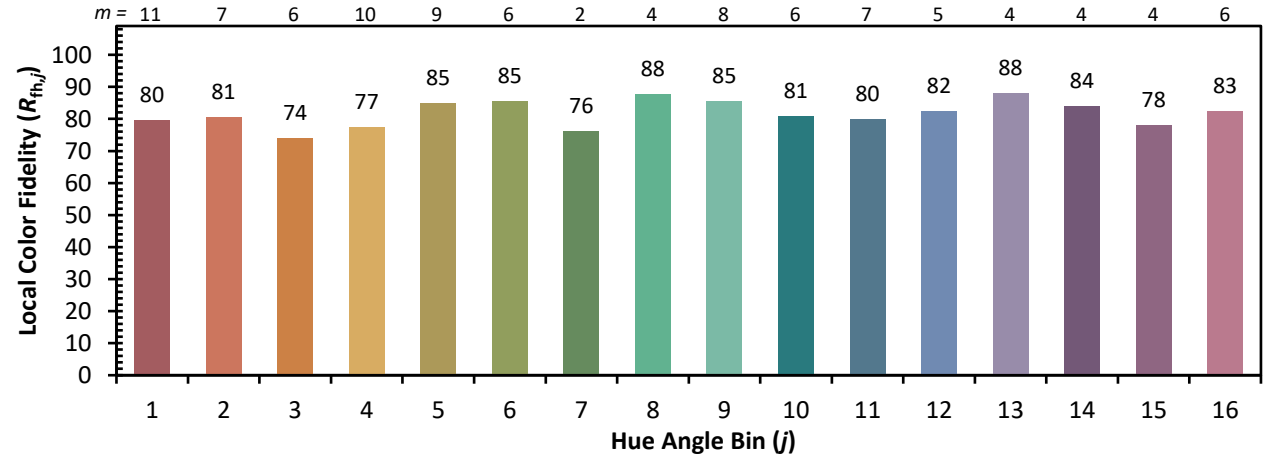
Color Rendition by Hue-Angle Bin







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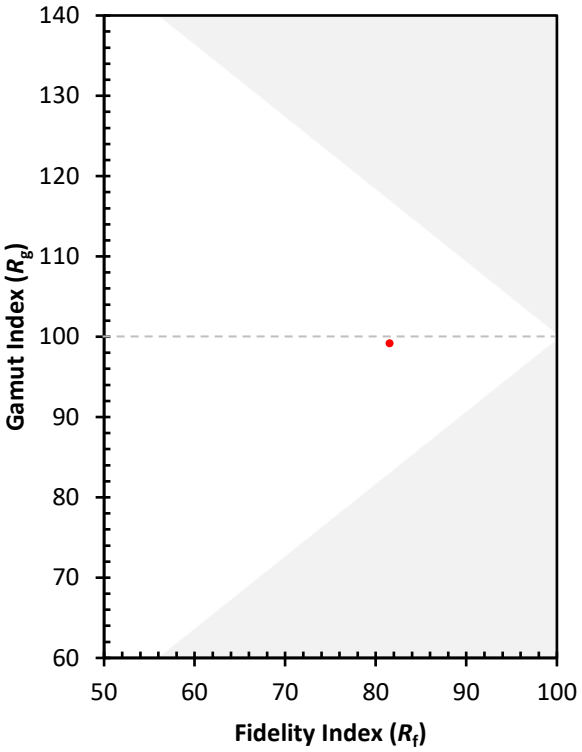
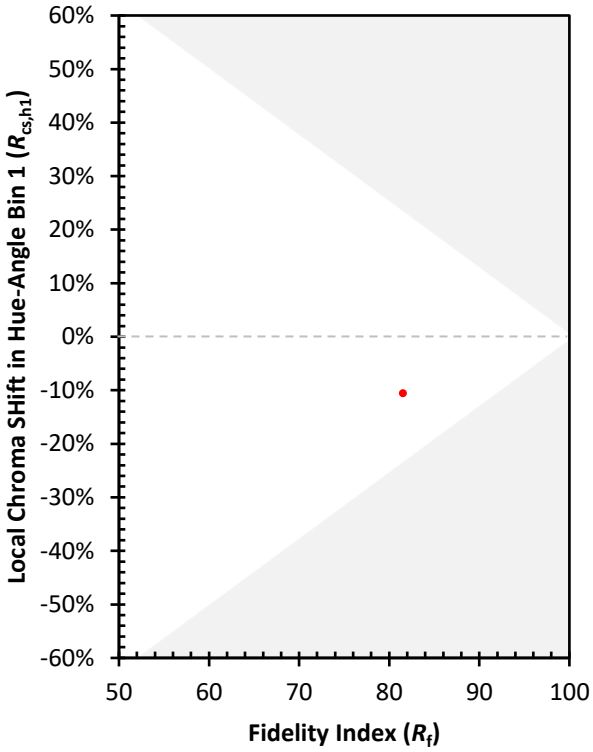
Measure Comparisons





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