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: P322066

Luminaire Tested: **GLEON-SA2A-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:	P322066
	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-SA2A-830-U-T2-HSS
Description:	GALLEON AREA AND ROADWAY LUMINAIRE
	(2) 80 CRI, 3000K, 615mA 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:	5390 lumens
Efficiency:	N/A
Efficacy:	81.7 lumens/watt
Luminous Opening:	Rectangular (W 0.5' x L: 1' x H: 0')
IES Classification:	Type II - Medium
BUG Rating:	B0 - U0 - G2

Input Watts (W):	66
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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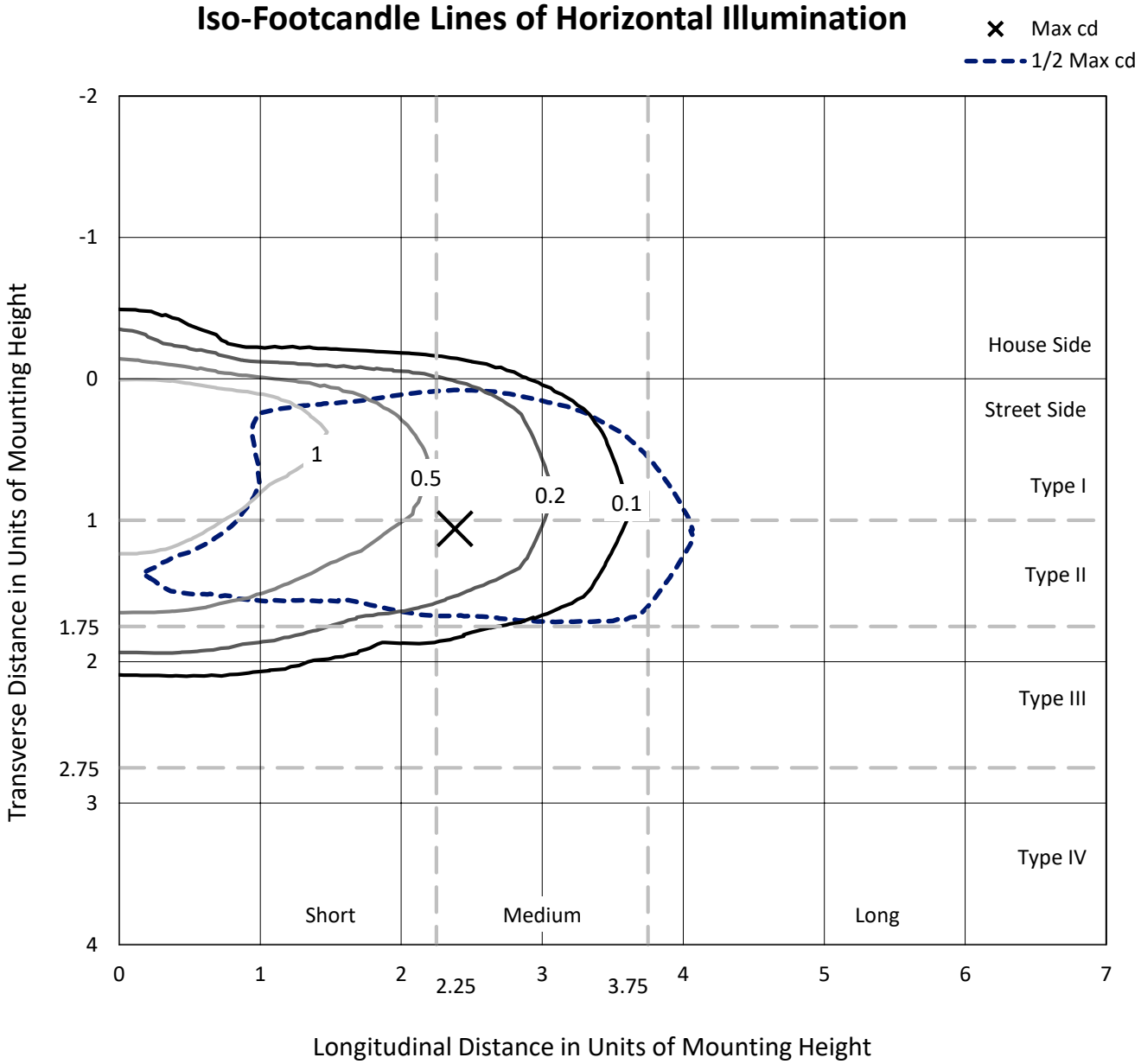
Scaled Data Report

REPORT NUMBER: P322066
CATALOG NUMBER: GLEON-SA2A-830-U-T2-HSS

Iso-Footcandle Lines of Horizontal Illumination



Based on 25 foot mounting height. Maximum calculated value = 1.6 fc
Type II - Medium - N/A

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REPORT NUMBER: P322066
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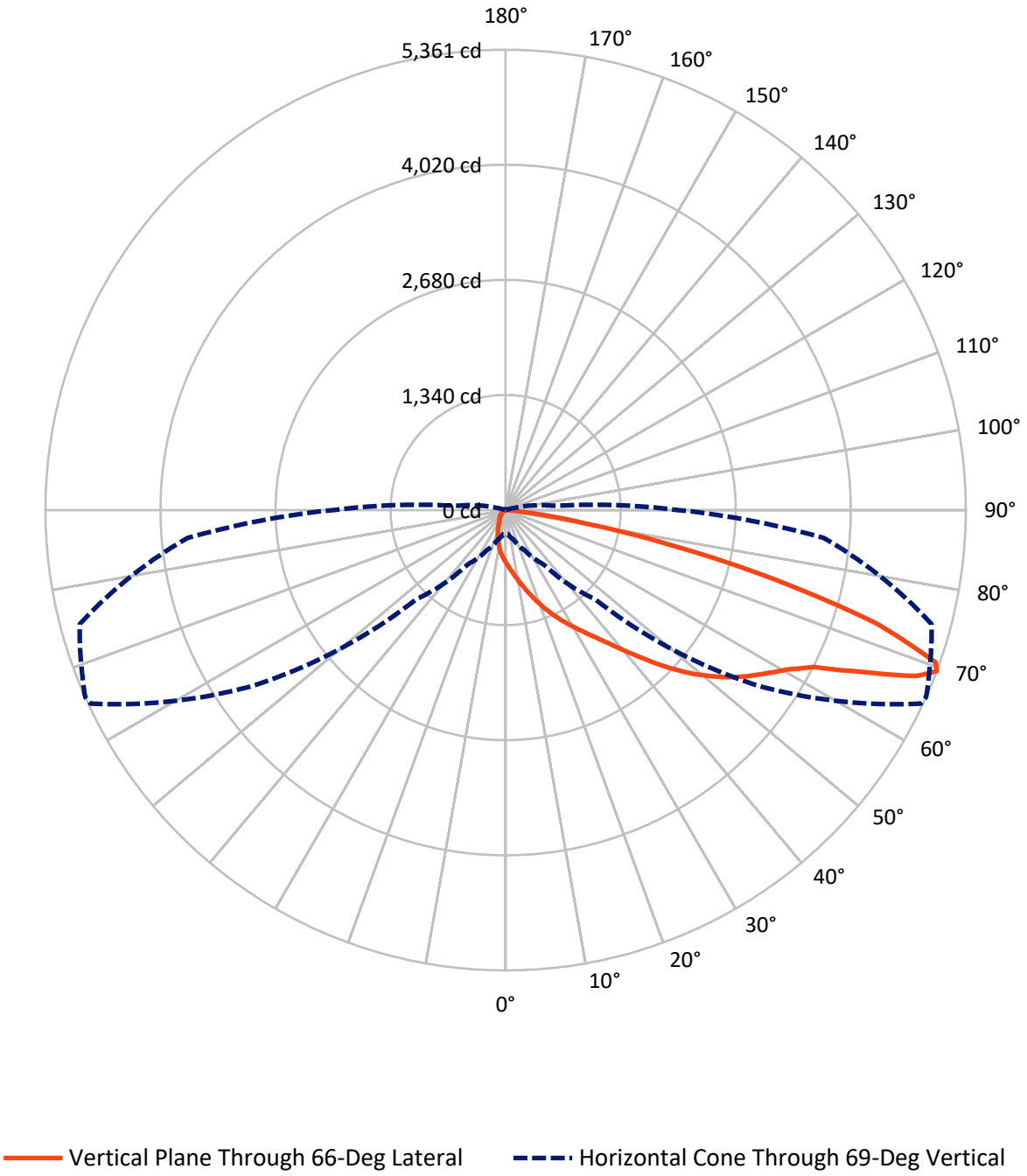
Luminous Intensity Polar Plot



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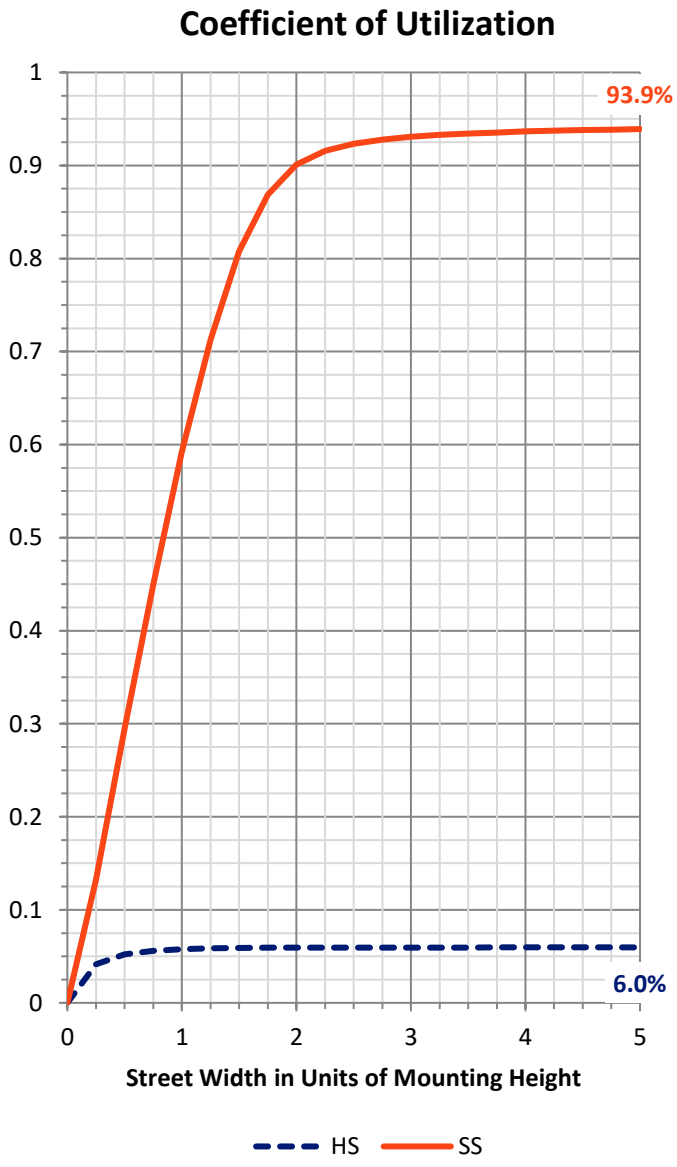
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	323.3	0.0	323.3
	% Fixture	6.0	0.0	6.0
Street Side	Lumens	5066.7	0.0	5066.7
	% Fixture	94.0	0.0	94.0
Total	Lumens	5390.0	0.0	5390.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	59.3	1.1
10°-20°	176.5	3.3
20°-30°	307.3	5.7
30°-40°	539.1	10.0
40°-50°	902.5	16.7
50°-60°	1326.5	24.6
60°-70°	1362.0	25.3
70°-80°	672.4	12.5
80°-90°	44.5	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°	5390.0	100.0
0°-180°	5390.0	100.0



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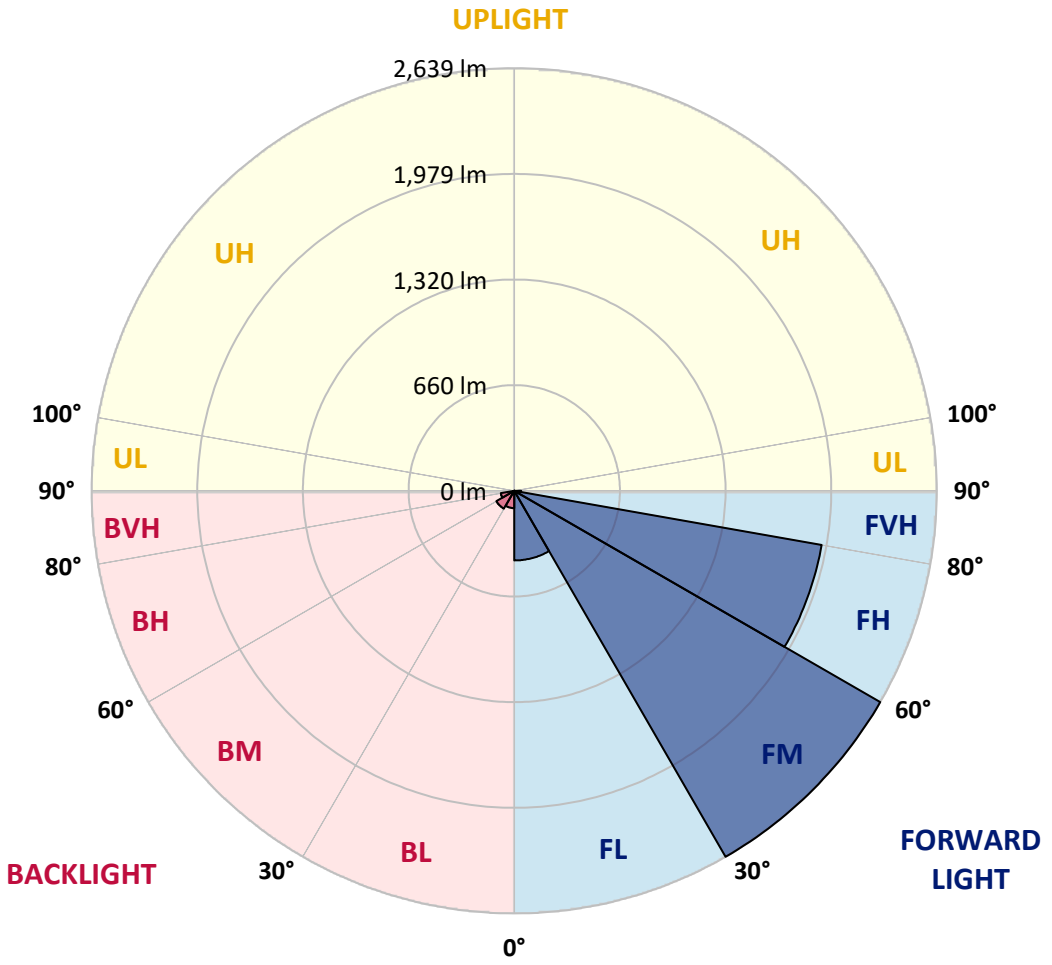
LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	434.9	8.1			
FM	(30°-60°)	2639.2	49.0			
FH	(60°-80°)	1949.2	36.2			G2/5000
FVH	(80°-90°)	43.4	0.8			G1/100
BL	(0°-30°)	108.1	2.0	B0/110		
BM	(30°-60°)	128.9	2.4	B0/220		
BH	(60°-80°)	85.2	1.6	B0/110		G0/110
BVH	(80°-90°)	1.1	0.0			G0/10
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B0-U0-G2
Type II Medium



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Scaled Data Report

REPORT NUMBER: P322066
CATALOG NUMBER: GLEON-SA2A-830-U-T2-HSS

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	66°	75°	85°
0°	613.4	613.4	613.4	613.4	613.4	613.4	613.4	613.4	*613.4*	613.4	613.4
2.5°	721.9	718.9	717.6	712.0	702.2	694.8	680.5	663.8	*660.8*	644.6	624.9
5°	815.6	813.1	811.3	803.4	793.4	774.7	748.6	717.6	*711.7*	681.0	641.6
7.5°	880.9	885.5	885.5	880.4	867.9	853.8	821.8	779.5	*772.1*	725.0	663.8
10°	919.1	924.7	929.1	933.4	931.6	926.0	895.8	848.2	*839.2*	776.7	689.7
12.5°	922.7	928.3	940.6	958.8	976.4	989.2	970.3	924.2	*914.0*	836.6	720.4
15°	902.7	908.6	927.5	962.9	1005.6	1043.0	1049.1	1008.4	*997.9*	908.1	758.8
17.5°	867.9	871.7	898.9	947.7	1014.8	1083.4	1120.6	1098.8	*1089.1*	989.7	801.6
20°	842.0	844.8	868.6	921.1	1009.2	1108.8	1188.1	1194.8	*1184.6*	1077.3	847.9
22.5°	886.3	891.4	892.2	917.0	993.8	1121.3	1247.5	1289.3	*1281.6*	1170.2	893.5
25°	1007.4	1013.3	993.8	978.5	1006.9	1127.0	1298.5	1386.0	*1379.9*	1270.3	939.3
27.5°	1167.4	1173.5	1148.5	1102.6	1075.2	1148.2	1343.8	1484.3	*1484.1*	1376.3	988.7
30°	1324.6	1330.7	1305.1	1259.3	1196.3	1208.4	1383.0	1587.3	*1588.8*	1485.6	1041.2
32.5°	1489.5	1497.1	1470.8	1411.9	1346.1	1312.3	1438.0	1690.7	*1699.4*	1612.3	1100.3
35°	1676.9	1677.9	1640.8	1579.1	1503.3	1451.3	1526.3	1806.7	*1827.4*	1769.3	1175.3
37.5°	1860.7	1868.1	1837.6	1740.4	1670.7	1611.8	1657.7	1951.6	*1981.0*	1961.0	1273.4
40°	1996.9	2012.5	2008.1	1903.2	1837.1	1795.1	1820.7	2123.9	*2161.2*	2184.3	1397.0
42.5°	2082.4	2094.2	2114.1	2050.9	1991.0	1997.9	2013.3	2324.6	*2370.7*	2438.7	1539.1
45°	2180.4	2186.1	2202.7	2174.8	2134.4	2204.0	2217.6	2550.6	*2599.0*	2712.4	1696.8
47.5°	2300.2	2313.6	2318.2	2292.6	2274.1	2386.3	2414.4	2756.2	*2824.0*	3005.6	1863.8
50°	2452.8	2456.4	2464.3	2447.7	2429.3	2542.9	2591.1	2972.0	*3033.7*	3299.7	2028.4
52.5°	2602.1	2614.9	2642.5	2632.0	2624.6	2676.3	2748.5	3166.6	*3235.5*	3545.0	2192.7
55°	2645.1	2656.1	2751.6	2816.9	2877.3	2840.7	2899.1	3340.9	*3415.4*	3764.1	2350.9
57.5°	2473.3	2495.6	2661.0	2831.0	3081.6	3096.2	3105.9	3519.9	*3586.7*	3932.1	2515.6
60°	2039.1	2043.5	2314.8	2606.4	3047.8	3319.2	3408.0	3712.1	*3768.2*	4088.5	2712.7
62.5°	1296.9	1341.2	1639.0	2050.6	2690.4	3286.9	3773.3	4003.0	*4023.4*	4276.1	2995.3
65°	617.8	646.4	861.0	1267.0	1948.7	2874.0	4025.5	4529.1	*4538.3*	4648.1	3372.9
67.5°	342.0	355.9	458.0	682.0	1139.2	2032.5	3923.6	5152.2	*5160.9*	5028.0	3704.2
69°	*267.5*	*279.3*	*359.7*	*514.1*	*772.4*	*1460.8*	*3550.6*	*5334.7*	*5360.6*	*5136.8*	*3716.0*
70°	227.1	238.6	309.8	434.2	621.1	1128.7	3160.4	5289.4	*5316.8*	5126.6	3628.2
72.5°	139.0	145.7	206.3	305.7	416.3	567.8	1949.0	4473.3	*4519.6*	4702.6	3118.2
75°	93.7	97.3	129.0	211.0	297.7	292.4	1012.5	3153.0	*3253.4*	3658.1	2303.1
77.5°	67.1	70.4	86.5	136.5	208.6	193.0	458.5	1959.5	*1981.0*	2194.0	1256.0
80°	38.1	41.2	61.2	81.2	141.6	128.8	182.3	936.0	*946.7*	940.8	419.3
82.5°	20.0	22.5	33.5	53.5	90.9	84.2	75.8	313.4	*314.9*	261.9	91.9
85°	3.8	4.6	16.6	36.6	46.8	36.6	31.0	73.5	*75.0*	66.3	22.8
87.5°	0.0	0.3	6.7	8.2	9.2	9.5	10.0	14.3	*15.4*	20.7	6.1
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: P322066
CATALOG NUMBER: GLEON-SA2A-830-U-T2-HSS

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	613.4	613.4	613.4	613.4	613.4	613.4	613.4	613.4	613.4	613.4	613.4
2.5°	616.2	607.0	589.3	568.9	553.0	537.4	525.1	512.3	507.7	505.4	505.1
5°	622.4	602.9	565.5	527.1	495.6	465.9	444.7	424.5	415.0	410.6	408.8
7.5°	632.6	601.4	541.2	482.6	437.3	400.1	370.7	348.7	337.7	333.1	331.3
10°	644.6	599.3	512.8	435.5	377.6	339.2	310.0	288.3	276.2	271.1	268.6
12.5°	658.7	595.7	480.0	387.9	326.7	288.3	252.9	226.1	212.2	206.3	203.5
15°	676.1	592.2	445.7	343.1	281.9	235.0	196.4	178.2	175.4	174.3	174.6
17.5°	693.3	586.5	408.3	298.8	234.8	183.6	163.8	162.8	163.3	163.3	163.3
20°	708.6	573.7	367.6	260.9	190.0	154.9	150.8	149.0	147.7	146.7	145.4
22.5°	720.7	556.6	328.5	223.2	155.1	141.8	135.4	129.8	125.2	122.1	120.6
25°	728.9	533.8	292.6	187.1	139.5	129.0	117.5	108.0	100.9	96.5	94.7
27.5°	735.0	509.2	260.6	156.7	128.8	114.2	99.1	87.8	80.4	76.5	75.0
30°	739.4	481.3	232.5	137.7	116.7	98.6	82.4	71.4	66.1	64.0	63.0
32.5°	743.5	450.3	205.8	128.8	105.5	84.2	69.1	60.7	57.3	54.8	54.0
35°	753.7	421.6	180.5	119.3	94.0	71.9	59.4	53.3	49.9	48.4	47.9
37.5°	778.0	400.4	156.2	109.6	82.4	62.2	52.0	47.6	44.5	43.0	42.5
40°	817.2	389.6	135.7	99.1	71.2	54.8	47.1	43.0	39.7	37.4	36.9
42.5°	874.8	391.2	121.3	88.6	62.2	48.9	42.5	37.6	34.0	32.0	31.5
45°	944.7	402.4	111.4	78.3	54.8	44.3	37.4	32.3	28.9	27.1	26.6
47.5°	1020.5	420.6	103.2	69.1	48.9	39.9	32.3	26.9	24.1	22.5	22.3
50°	1100.3	438.3	94.7	60.2	43.8	35.6	27.1	22.3	20.0	18.7	18.2
52.5°	1181.2	458.8	87.0	52.0	39.4	30.5	22.5	18.2	16.4	15.4	14.8
55°	1268.3	474.1	79.6	45.6	35.1	25.9	18.7	15.1	13.6	12.3	12.0
57.5°	1370.7	497.9	71.9	39.4	30.0	21.5	15.4	12.0	10.8	9.5	9.2
60°	1508.9	525.8	63.7	34.8	24.6	17.7	12.5	9.7	8.2	7.2	6.9
62.5°	1691.2	556.8	53.5	30.5	20.0	14.3	10.0	7.7	5.9	4.6	4.6
65°	1922.4	607.3	43.8	25.6	16.4	11.8	7.7	5.6	3.3	2.0	2.0
67.5°	2057.3	616.0	35.3	21.0	13.3	10.0	6.4	3.8	1.0	0.3	0.0
69°	*2014.0*	*565.5*	*30.0*	*17.9*	*11.5*	*9.5*	*5.9*	*2.8*	*0.5*	*0.0*	*0.0*
70°	1932.6	517.1	26.4	15.9	10.5	9.0	5.6	2.0	0.5	0.0	0.0
72.5°	1597.0	368.1	20.0	11.8	7.7	7.9	5.1	1.3	0.5	0.0	0.0
75°	1163.3	223.8	14.3	8.2	4.9	5.9	3.6	0.5	0.3	0.0	0.0
77.5°	647.2	105.5	9.0	4.6	3.1	3.6	1.8	0.0	0.0	0.0	0.0
80°	210.2	28.7	4.1	2.6	1.8	2.0	0.8	0.0	0.0	0.0	0.0
82.5°	38.9	8.2	2.3	1.3	0.5	0.5	0.0	0.0	0.0	0.0	0.0
85°	8.4	3.3	1.3	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	2.8	1.0	0.3	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

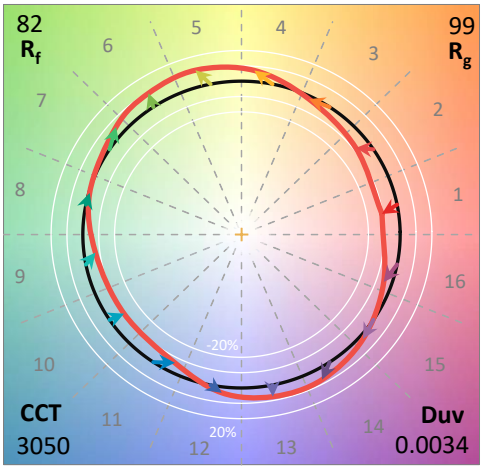
Test Information

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

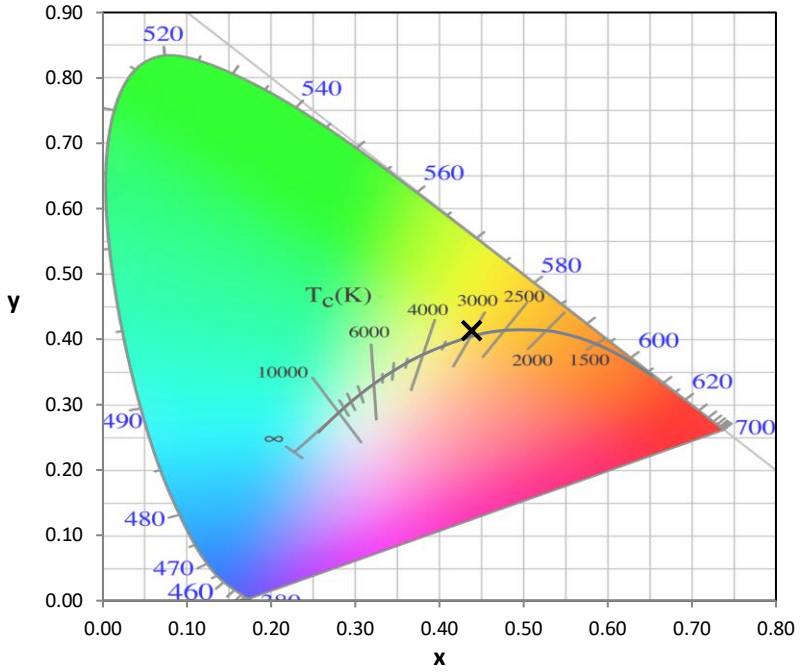
Stabilization Time:	20M
Operation Time:	1H 20M
Sphere Temperature (°C):	24.2

REPORT NUMBER: SP1-2408-195-9

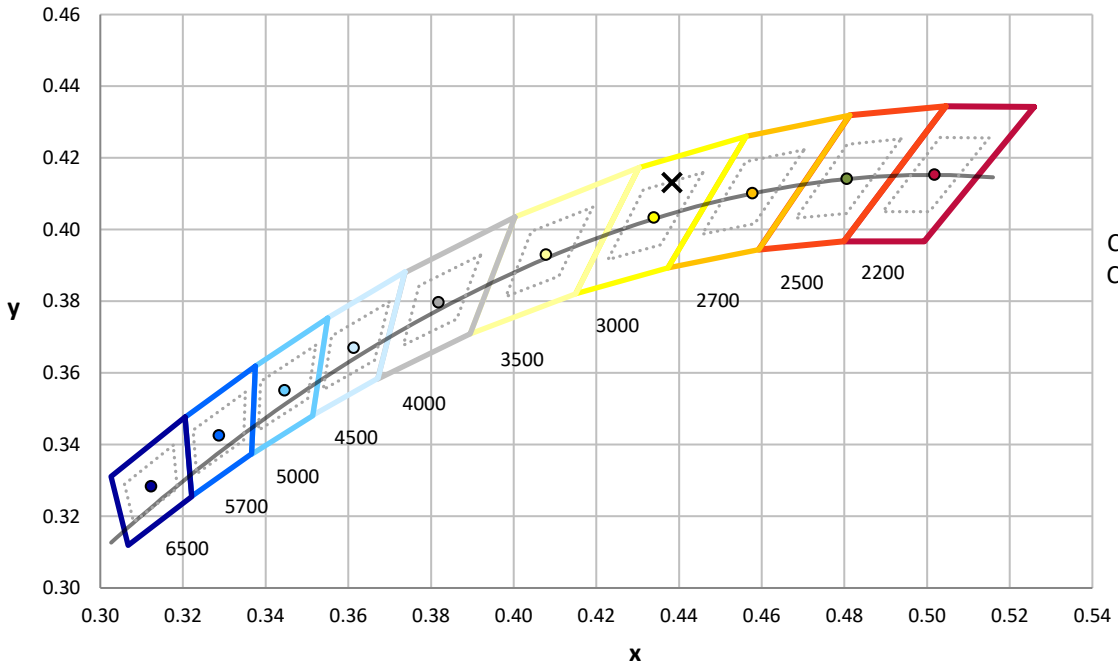
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

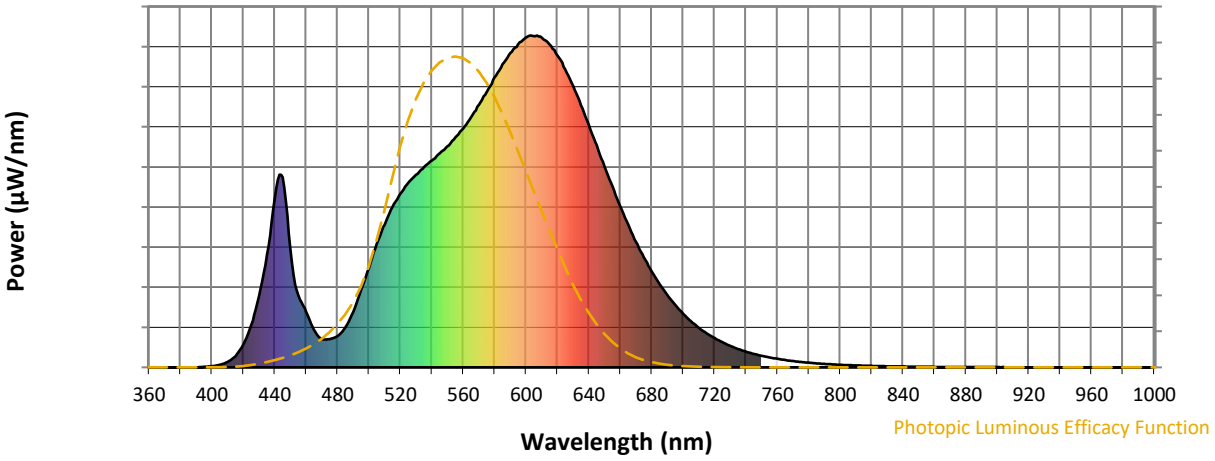


CCT = 3050K
CIE x = 0.4383
CIE y = 0.4131
Duv = 0.0034

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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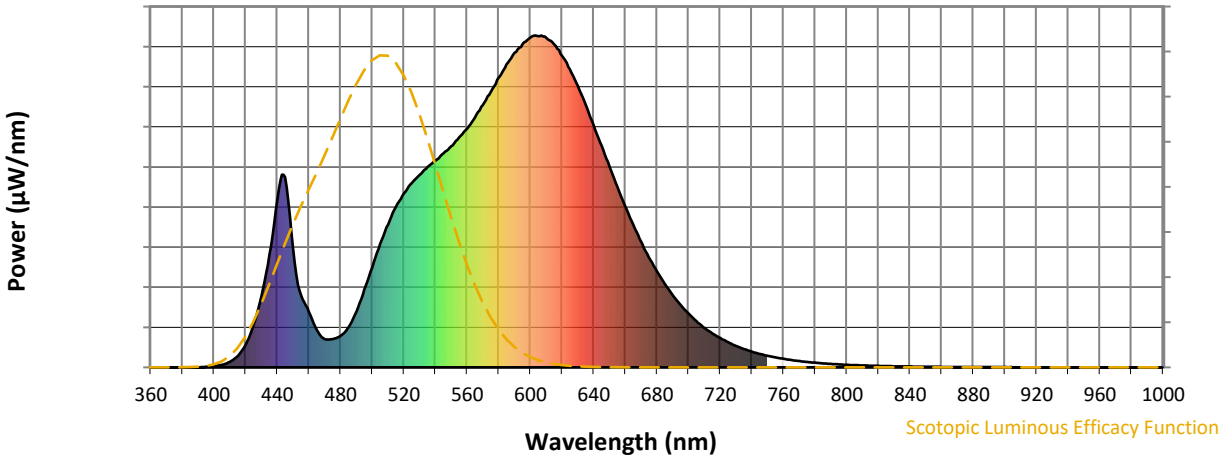
Scotopic Flux vs. Wavelength



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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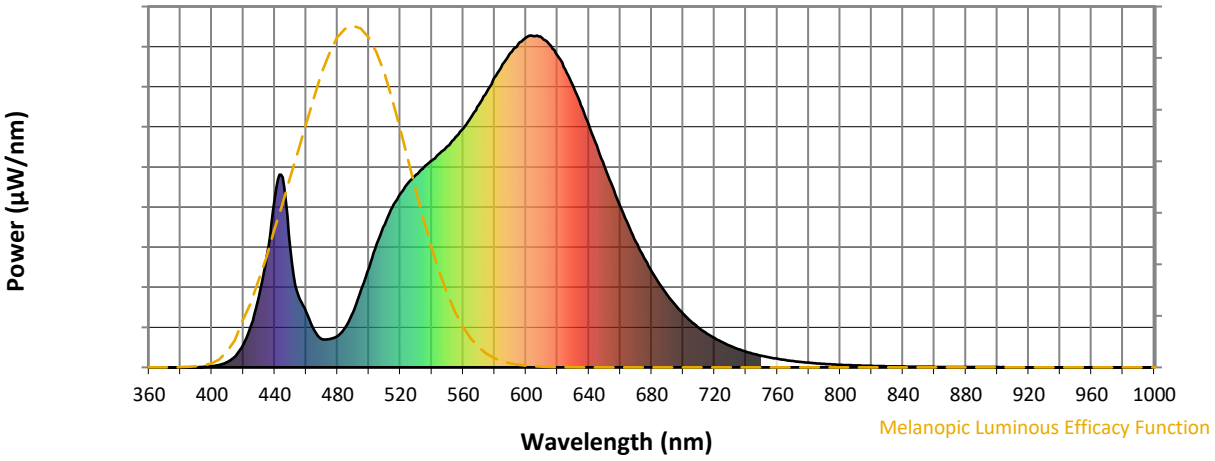
Melanopic Flux vs. Wavelength



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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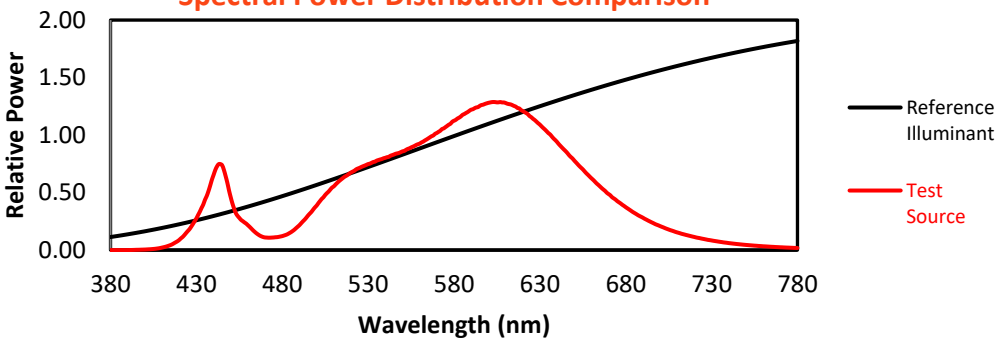
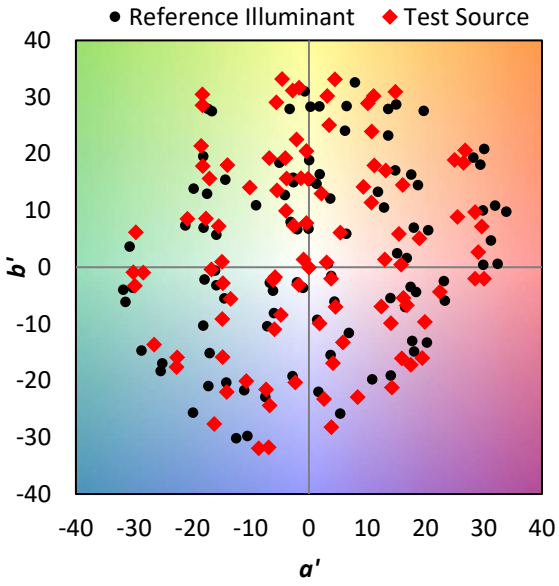
Summary

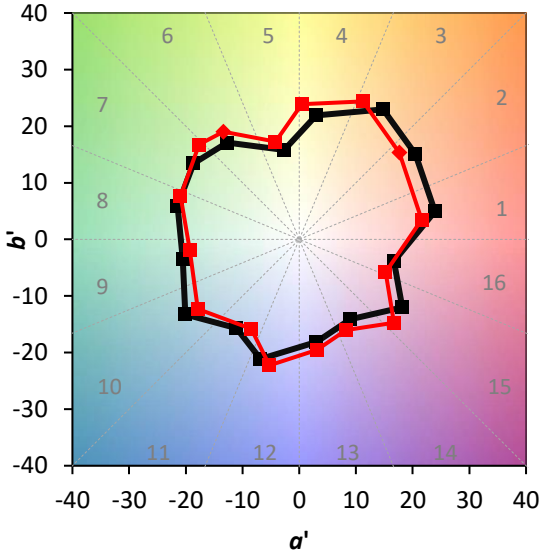
R_f = 81.5
R_g = 99.2
CIE R_a = 81.0
R_9 = 7.1

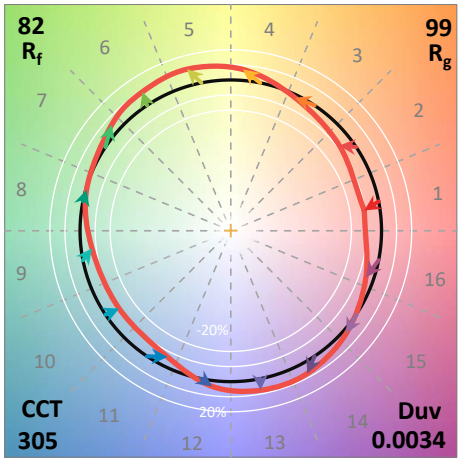
Spectral Power Distribution Comparison

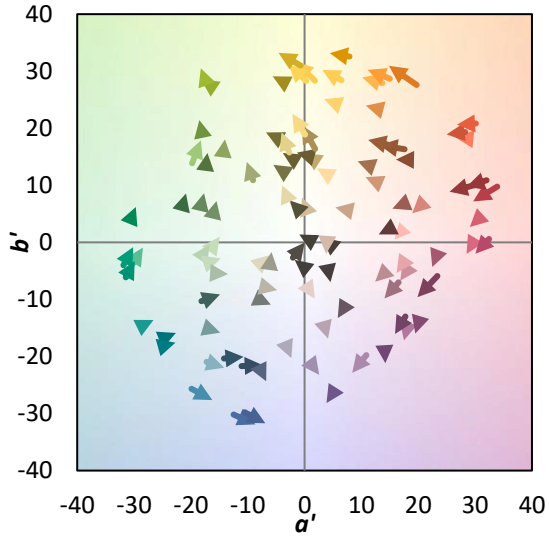


Color Vector Graphics









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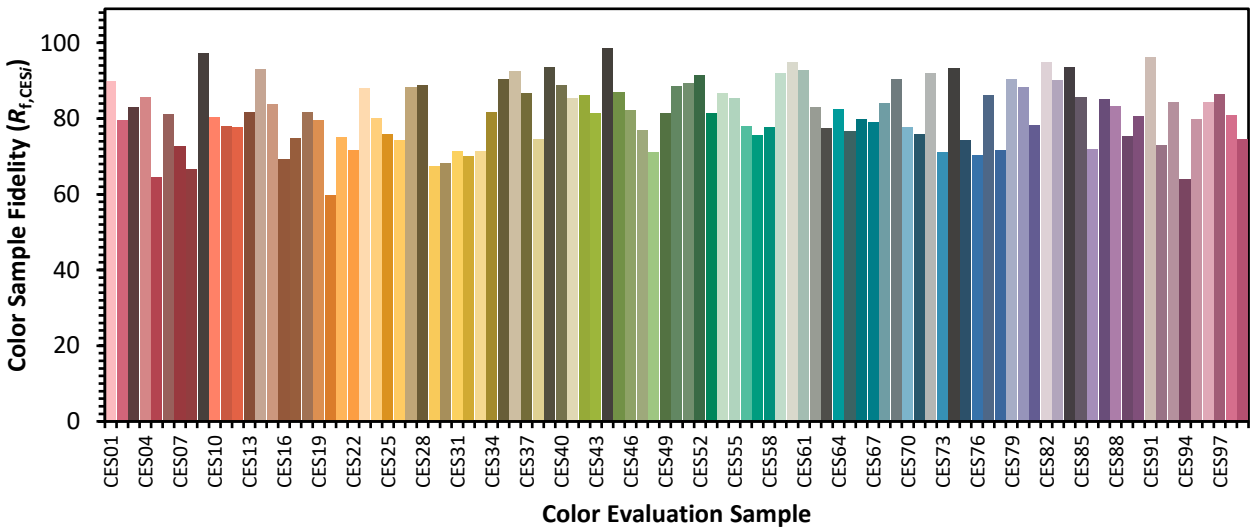
Individual Sample Fidelity Index ($R_{f,i}$)

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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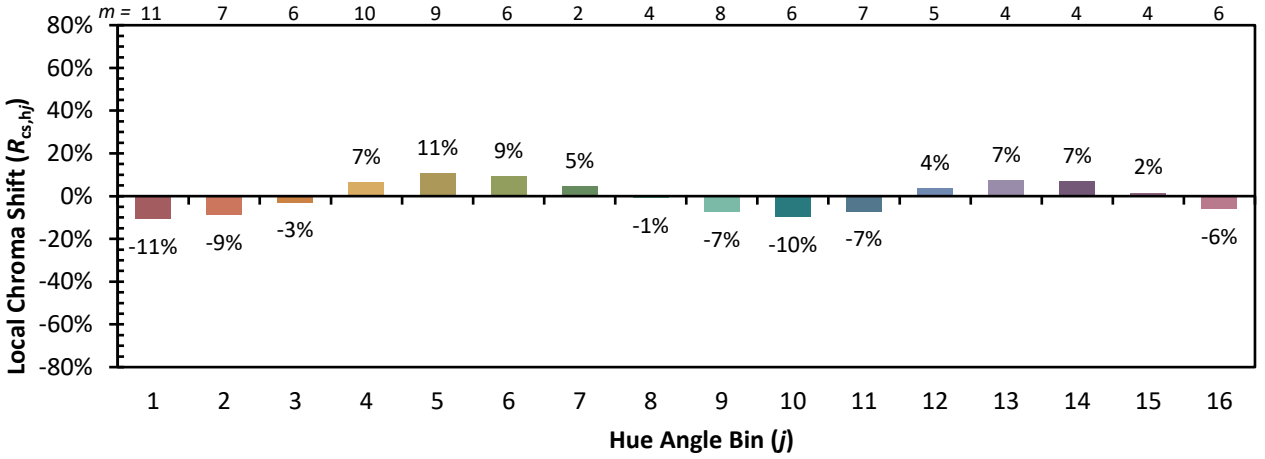
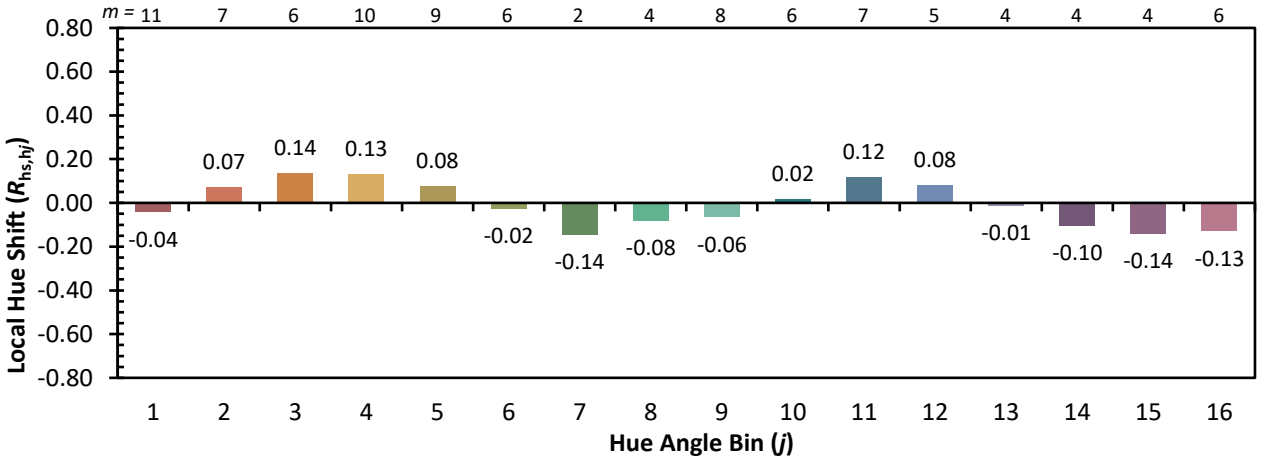
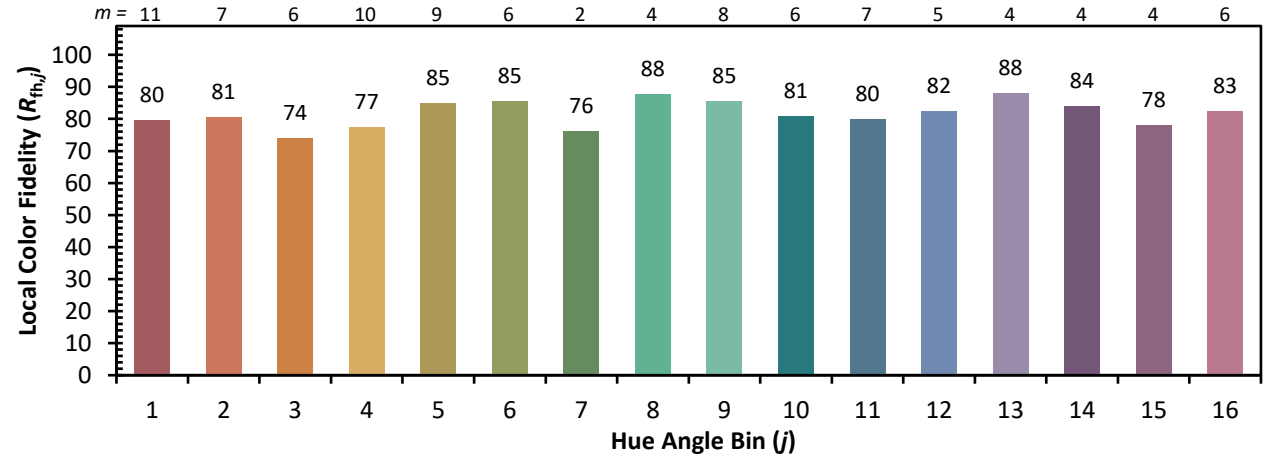
Color Rendition by Hue-Angle Bin







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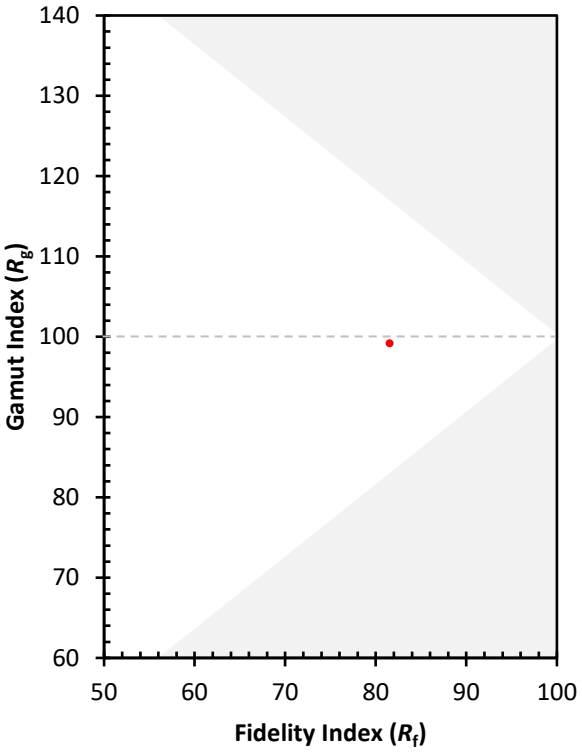
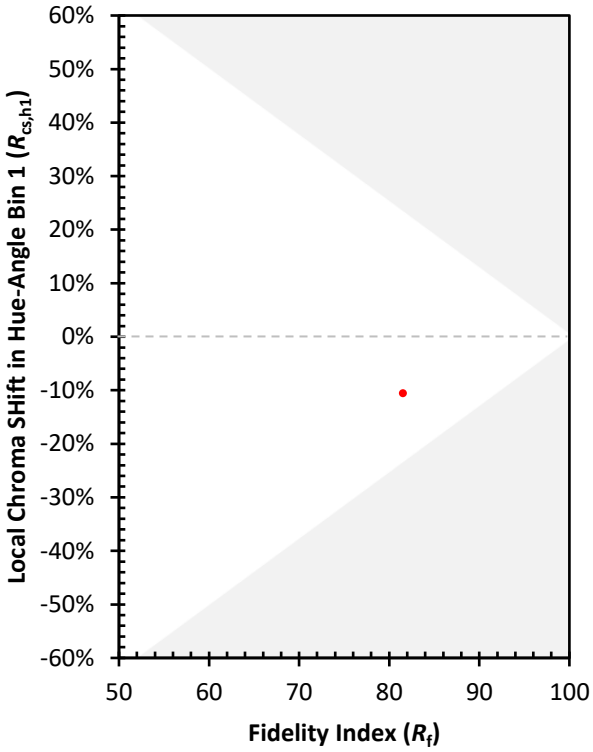
Measure Comparisons





(END OF REPORT)