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: P318865

Luminaire Tested: **GLEON-SA1A-830-U-T4FT**

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:	P318865
	TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-16)
Test Lab:	INNOVATION CENTER
Issue Date:	3/3/2020
Manufacturer:	COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line:	McGRAW-EDISON
Catalog Number:	GLEON-SA1A-830-U-T4FT
Description:	GALLEON AREA AND ROADWAY LUMINAIRE
	(1) 80 CRI, 3000K, 615mA LIGHTSQUARE WITH 16 LEDS AND TYPE IV FORWARD THROW OPTICS
Light Source:	-
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	3901 lumens
Efficiency:	N/A
Efficacy:	114.7 lumens/watt
Luminous Opening:	Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification:	Type IV - Short
BUG Rating:	B1 - U0 - G2

Input Watts (W):	34
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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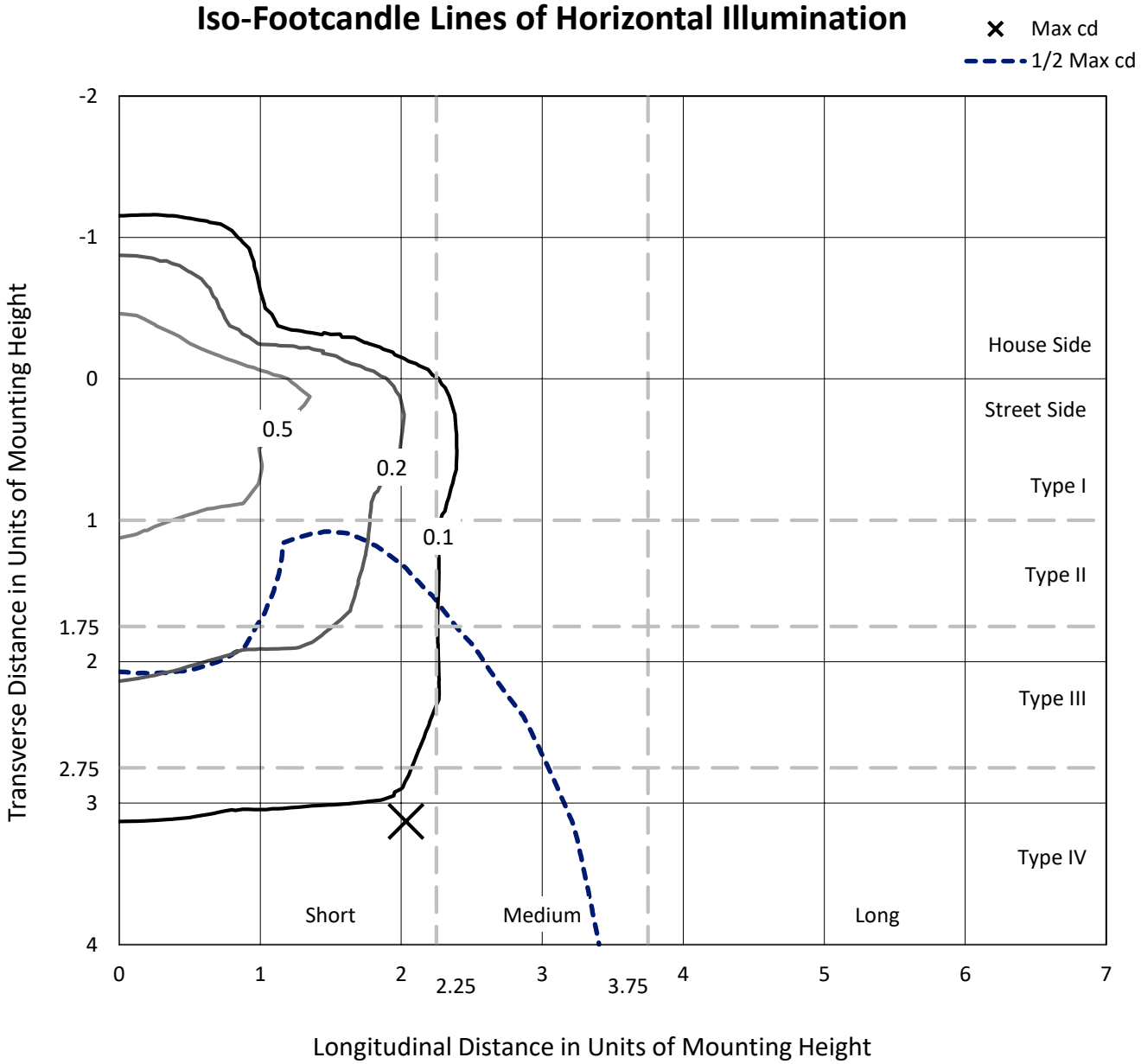
REPORT NUMBER: P318865
CATALOG NUMBER: GLEON-SA1A-830-U-T4FT

Iso-Footcandle Lines of Horizontal Illumination



Based on 25 foot mounting height. Maximum calculated value = 1 fc
Type IV - Short - N/A

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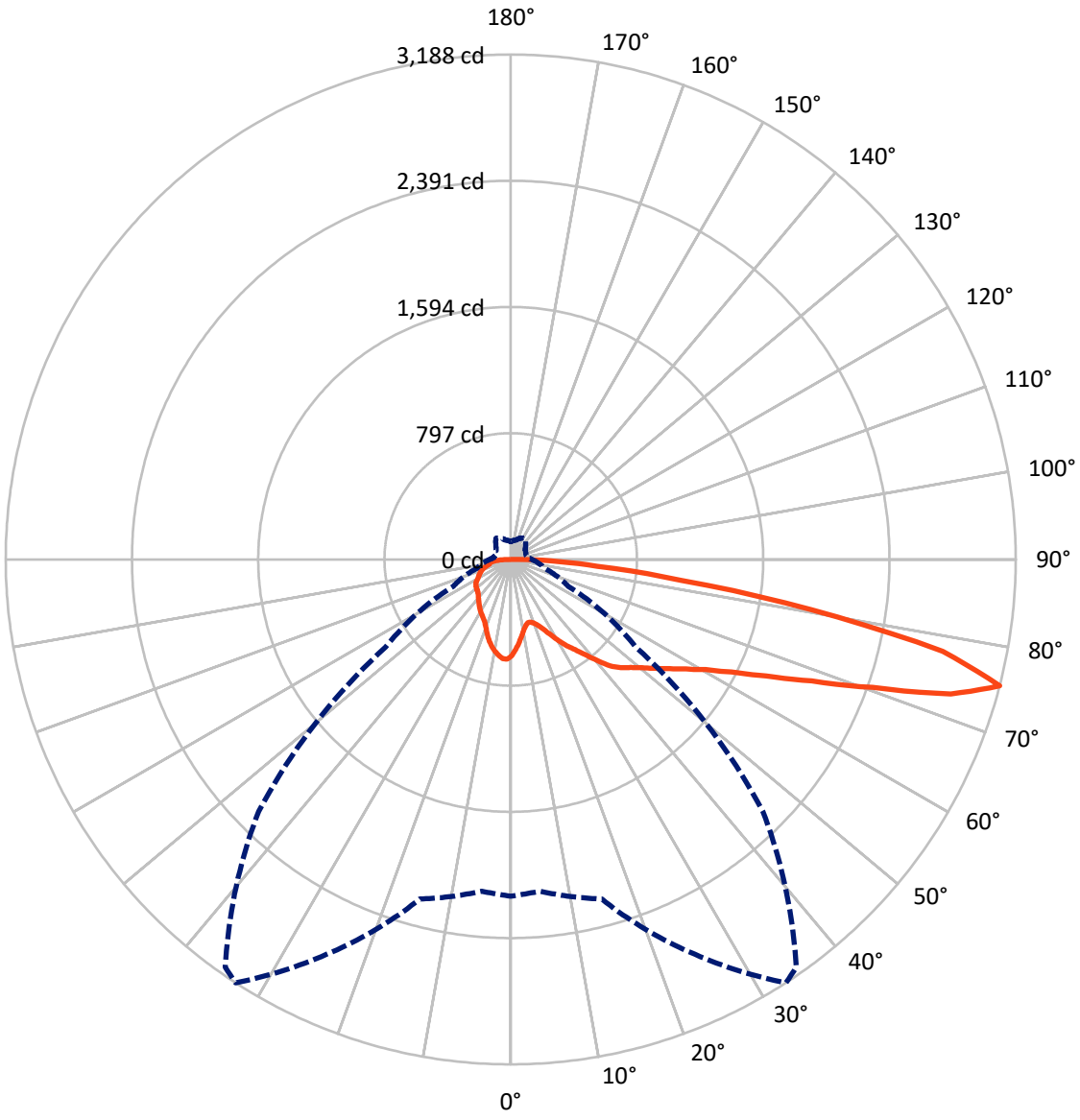
Luminous Intensity Polar Plot



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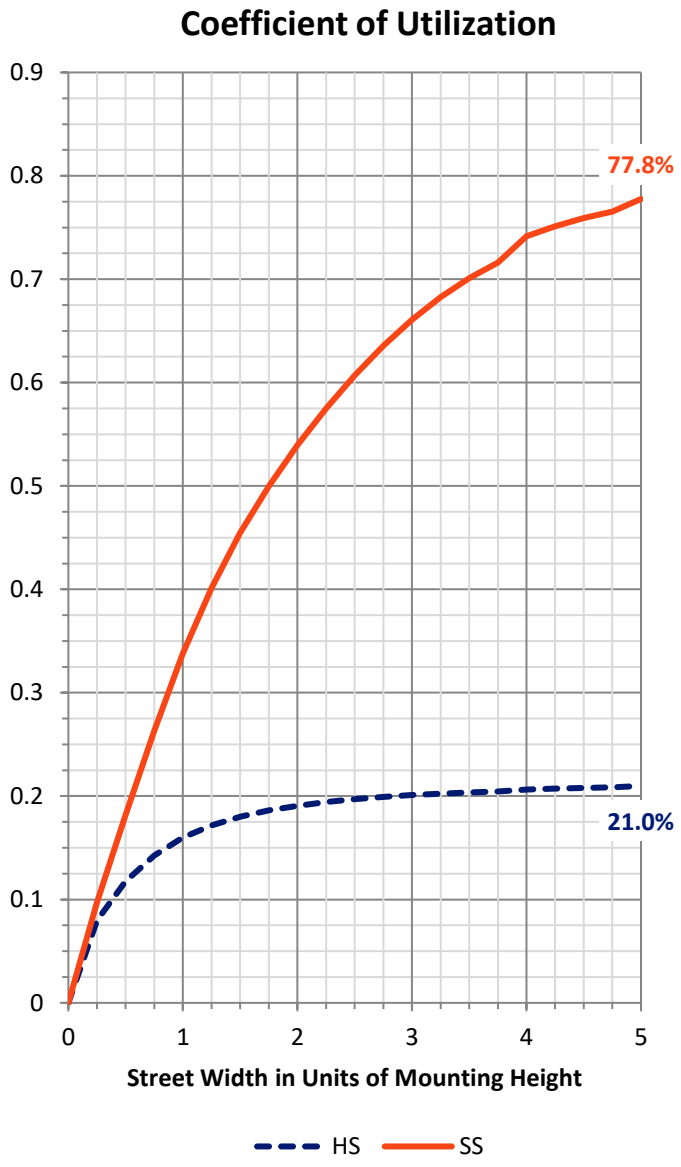
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	837.7	0.0	837.7
	% Fixture	21.5	0.0	21.5
Street Side	Lumens	3063.3	0.0	3063.3
	% Fixture	78.5	0.0	78.5
Total	Lumens	3901.0	0.0	3901.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	55.1	1.4
10°-20°	149.4	3.8
20°-30°	243.9	6.3
30°-40°	363.2	9.3
40°-50°	521.0	13.4
50°-60°	715.2	18.3
60°-70°	895.5	23.0
70°-80°	810.1	20.8
80°-90°	147.6	3.8
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°	3901.0	100.0
0°-180°	3901.0	100.0



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REPORT NUMBER: P318865
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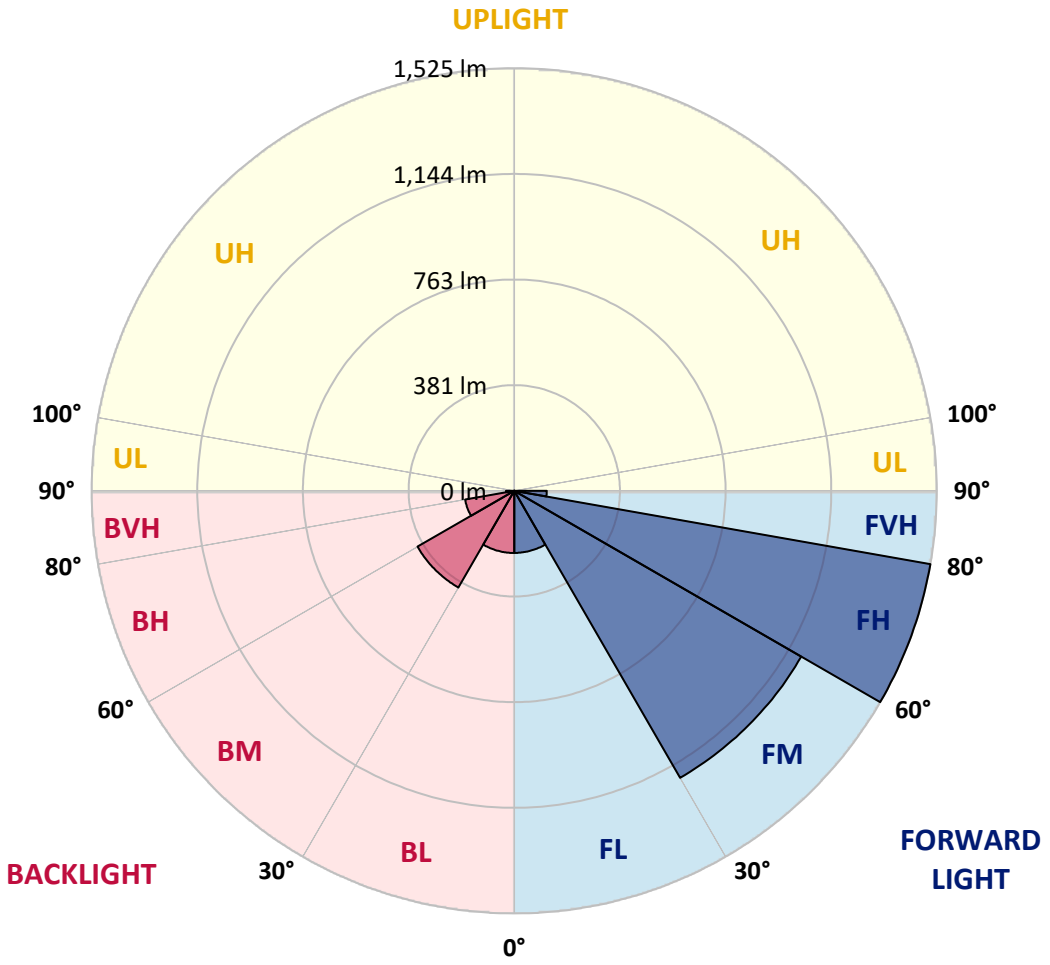
LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	224.1	5.7			
FM	(30°-60°)	1196.4	30.7			
FH	(60°-80°)	1525.4	39.1			G1/1800
FVH	(80°-90°)	117.5	3.0			G2/225
BL	(0°-30°)	224.4	5.8	B1/500		
BM	(30°-60°)	403.1	10.3	B1/1000		
BH	(60°-80°)	180.1	4.6	B1/500		G1/500
BVH	(80°-90°)	30.0	0.8			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G2
Type IV Short



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REPORT NUMBER: P318865
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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	33°	35°	45°	55°	65°	75°	85°
0°	609.7	609.7	609.7	609.7	*609.7*	609.7	609.7	609.7	609.7	609.7	609.7
2.5°	566.2	564.1	568.1	568.6	*572.2*	573.5	578.4	585.9	592.1	599.2	605.7
5°	514.9	513.4	519.1	523.1	*530.8*	534.0	545.5	561.5	575.8	592.0	606.6
7.5°	466.1	465.3	471.6	480.8	*489.7*	494.1	513.9	537.3	561.1	587.2	609.7
10°	425.0	424.7	430.8	439.8	*452.9*	457.9	483.5	514.2	547.6	583.6	615.0
12.5°	402.0	402.9	405.7	413.3	*425.4*	430.4	458.8	494.9	536.3	582.4	622.7
15°	407.6	409.1	404.3	404.0	*412.6*	416.5	443.2	481.2	528.2	584.4	633.9
17.5°	431.7	432.0	419.2	411.1	*416.4*	418.4	438.3	473.4	523.5	589.0	647.9
20°	465.7	465.0	442.4	428.9	*431.7*	432.3	445.2	473.5	523.1	596.9	666.1
22.5°	510.7	505.7	475.3	456.9	*456.3*	455.5	462.9	483.5	529.0	609.9	687.8
25°	569.5	564.7	522.8	497.8	*492.4*	490.4	491.4	504.8	540.8	623.8	712.0
27.5°	634.8	626.6	586.2	550.7	*539.5*	536.7	530.2	534.8	553.6	637.1	740.9
30°	689.5	685.1	649.8	607.7	*594.5*	590.5	573.5	568.5	572.0	655.3	777.2
32.5°	720.1	717.1	695.7	661.8	*649.5*	643.8	619.9	609.9	601.7	684.0	826.6
35°	757.2	755.3	742.3	717.7	*699.5*	693.6	675.0	664.6	643.4	723.5	890.3
37.5°	804.3	802.3	802.6	782.6	*760.9*	755.4	743.2	732.2	697.6	775.4	959.6
40°	857.7	853.8	852.3	851.4	*837.6*	834.5	828.0	813.2	765.5	837.3	1027.9
42.5°	938.0	924.1	894.5	905.7	*919.3*	917.7	922.9	901.6	841.0	910.6	1094.6
45°	1015.5	992.7	941.5	943.9	*973.7*	982.7	1022.1	1007.0	922.8	991.0	1163.6
47.5°	1050.8	1033.5	990.0	990.2	*1019.7*	1038.4	1124.6	1113.9	1008.7	1082.2	1247.8
50°	1090.3	1073.0	1033.9	1048.6	*1074.4*	1094.3	1223.7	1218.1	1090.5	1182.0	1348.7
52.5°	1133.4	1104.1	1079.4	1105.6	*1141.7*	1164.9	1322.9	1307.8	1165.6	1282.6	1464.7
55°	1133.9	1126.0	1144.8	1164.1	*1218.1*	1246.6	1426.7	1386.9	1226.8	1381.3	1559.2
57.5°	1198.5	1185.5	1225.6	1234.5	*1305.1*	1337.1	1530.1	1455.7	1289.0	1457.1	1610.1
60°	1283.9	1272.9	1305.6	1329.0	*1412.6*	1455.4	1640.5	1526.5	1337.9	1514.2	1607.7
62.5°	1431.5	1418.9	1418.5	1451.4	*1563.9*	1613.8	1764.3	1595.9	1357.3	1525.5	1539.1
65°	1647.5	1627.5	1589.9	1605.6	*1772.9*	1822.6	1902.7	1646.1	1331.7	1464.9	1362.5
67.5°	1857.7	1857.0	1810.8	1842.9	*2048.9*	2088.8	2060.3	1651.1	1251.8	1253.7	1049.0
70°	2067.2	2069.9	2062.1	2173.7	*2421.7*	2463.2	2228.2	1584.1	1072.2	905.4	628.5
72.5°	2233.2	2232.6	2271.9	2559.6	*2905.6*	2896.3	2369.7	1381.2	769.8	488.7	300.4
75°	*2125.7*	*2102.2*	*2219.5*	*2750.7*	*3187.7*	*3142.3*	*2249.4*	*963.5*	*399.5*	*222.5*	*161.7*
77.5°	1386.5	1408.7	1580.8	2272.3	*2788.3*	2733.0	1650.3	449.5	188.2	145.9	117.2
80°	502.1	525.5	740.2	1287.1	*1921.0*	1912.0	812.7	184.7	127.3	110.2	85.4
82.5°	172.8	181.4	292.0	571.6	*1084.6*	1125.0	305.7	105.0	92.6	78.2	58.5
85°	67.8	77.6	133.5	275.0	*547.1*	551.1	123.8	62.8	64.4	51.2	32.1
87.5°	25.7	31.3	63.9	127.7	*249.8*	229.5	44.3	29.9	36.7	30.5	15.2
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: P318865
CATALOG NUMBER: GLEON-SA1A-830-U-T4FT

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	609.7	609.7	609.7	609.7	609.7	609.7	609.7	609.7	609.7	609.7	609.7
2.5°	610.7	613.5	619.5	623.5	627.8	629.0	629.6	630.6	631.7	631.3	631.4
5°	614.5	620.0	629.6	633.6	635.5	633.3	629.2	625.8	623.4	622.0	621.6
7.5°	620.7	628.5	638.7	638.0	633.7	624.2	613.4	605.3	598.6	596.1	594.8
10°	628.9	638.0	645.2	637.5	625.0	608.4	592.2	579.7	569.6	565.7	565.0
12.5°	639.4	648.7	650.0	633.7	613.0	590.3	568.4	551.8	536.7	531.9	530.8
15°	653.0	661.8	653.4	627.1	598.2	567.7	539.3	516.8	500.9	494.9	492.8
17.5°	667.3	675.6	654.1	616.2	578.8	540.9	505.2	482.1	463.9	457.1	456.3
20°	684.4	688.2	651.3	600.6	552.1	506.1	468.5	446.8	437.1	432.3	431.7
22.5°	705.6	701.5	644.8	579.4	518.3	466.0	435.4	425.3	422.8	421.8	422.2
25°	727.9	715.5	635.2	551.8	475.5	425.8	411.1	414.0	417.2	416.8	416.8
27.5°	752.6	729.8	620.5	515.2	428.2	392.9	394.7	405.1	409.9	409.8	409.6
30°	784.3	746.0	601.8	471.1	384.0	369.8	380.4	393.1	399.7	399.4	399.5
32.5°	823.2	763.8	576.3	421.9	352.1	352.6	364.9	377.4	385.1	384.4	384.6
35°	868.7	783.7	541.8	373.4	330.9	339.0	348.7	357.5	364.8	363.8	362.9
37.5°	918.3	803.3	496.0	330.0	313.7	326.4	334.5	335.9	339.3	336.9	335.1
40°	965.5	818.2	437.0	294.4	296.3	315.6	320.8	314.9	308.8	308.0	305.6
42.5°	1006.6	823.2	377.3	266.0	278.0	304.3	307.5	295.1	284.2	279.1	276.9
45°	1050.0	824.9	321.7	242.1	260.3	294.2	297.7	281.1	265.7	254.7	251.0
47.5°	1106.7	837.6	278.4	224.5	246.9	287.4	292.4	269.9	250.0	234.2	230.8
50°	1181.0	862.7	243.2	211.0	238.1	283.0	288.6	259.0	237.0	218.0	214.7
52.5°	1263.4	885.7	214.8	200.1	229.6	275.2	283.8	251.2	224.9	203.1	199.4
55°	1321.1	868.1	191.9	188.8	218.6	264.0	277.0	244.6	207.5	188.5	185.3
57.5°	1332.1	807.7	174.5	177.1	205.2	250.0	266.7	229.9	198.1	182.2	178.8
60°	1302.0	723.6	161.6	166.3	190.9	232.3	247.3	219.5	189.1	175.4	172.6
62.5°	1226.1	637.5	152.0	156.6	177.6	214.4	235.1	208.6	179.9	167.8	164.9
65°	1072.9	535.2	142.8	148.0	165.2	198.9	224.2	198.5	170.9	161.6	158.9
67.5°	809.9	400.9	134.2	138.8	154.2	185.4	212.4	188.5	162.1	156.2	152.9
70°	476.9	251.0	124.4	129.2	142.6	171.4	199.7	177.6	151.2	148.5	144.3
72.5°	221.9	151.1	113.2	117.9	128.0	152.7	183.4	163.3	138.3	132.3	126.7
75°	*132.5*	*110.5*	*100.0*	*104.2*	*111.3*	*132.7*	*162.9*	*148.8*	*126.0*	*118.2*	*112.2*
77.5°	99.0	84.5	85.4	89.9	95.7	116.2	144.3	137.3	116.6	110.5	106.5
80°	71.3	64.1	69.7	74.5	80.6	105.6	138.3	126.9	105.4	97.3	93.5
82.5°	47.6	46.1	52.4	57.4	63.3	92.4	129.9	111.2	90.0	79.8	71.4
85°	26.3	27.8	35.3	37.5	42.6	65.1	106.5	89.3	67.8	54.6	52.1
87.5°	10.9	12.8	19.0	18.3	22.6	38.8	70.1	53.9	43.1	32.2	25.1
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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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

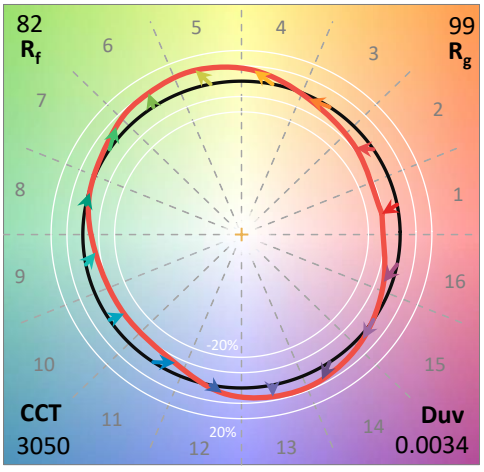
Test Information

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

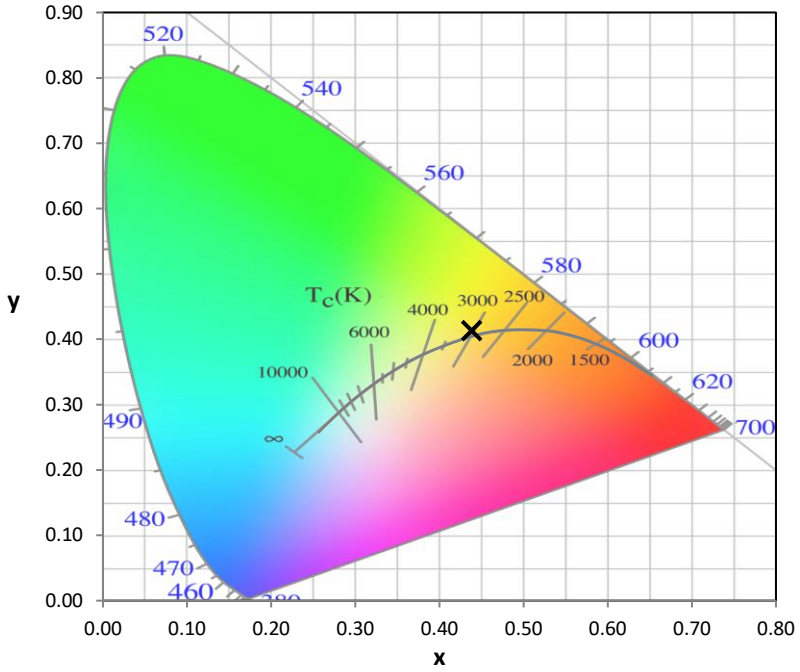
Stabilization Time:	20M
Operation Time:	1H 20M
Sphere Temperature (°C):	24.2

REPORT NUMBER: SP1-2408-195-9

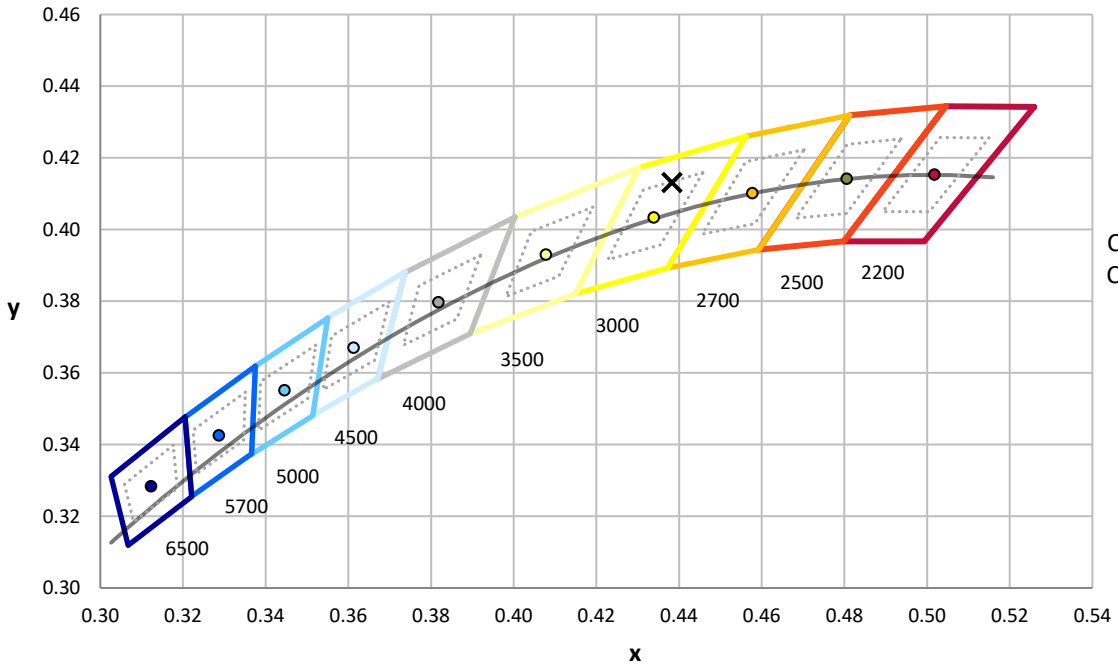
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

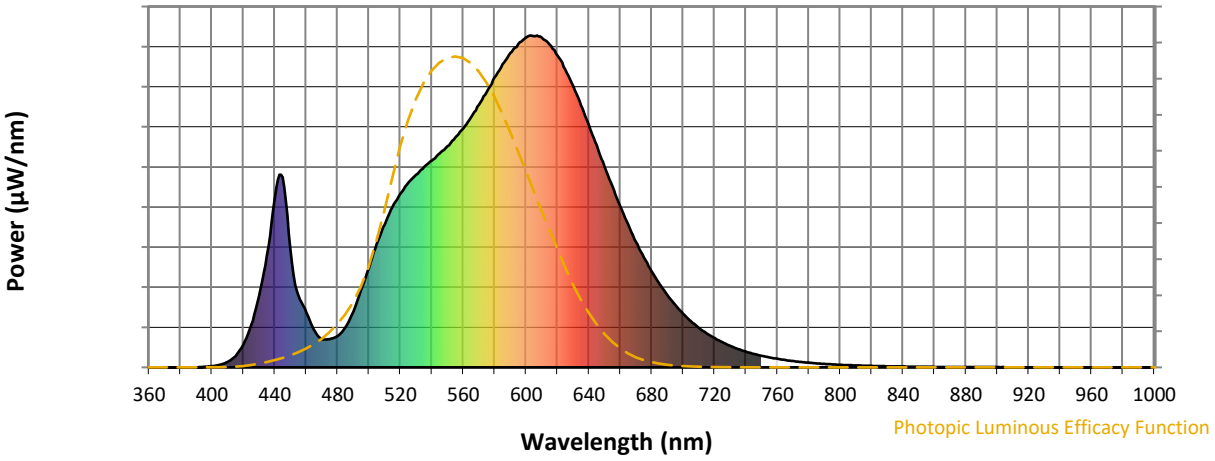


CCT = 3050K
CIE x = 0.4383
CIE y = 0.4131
Duv = 0.0034

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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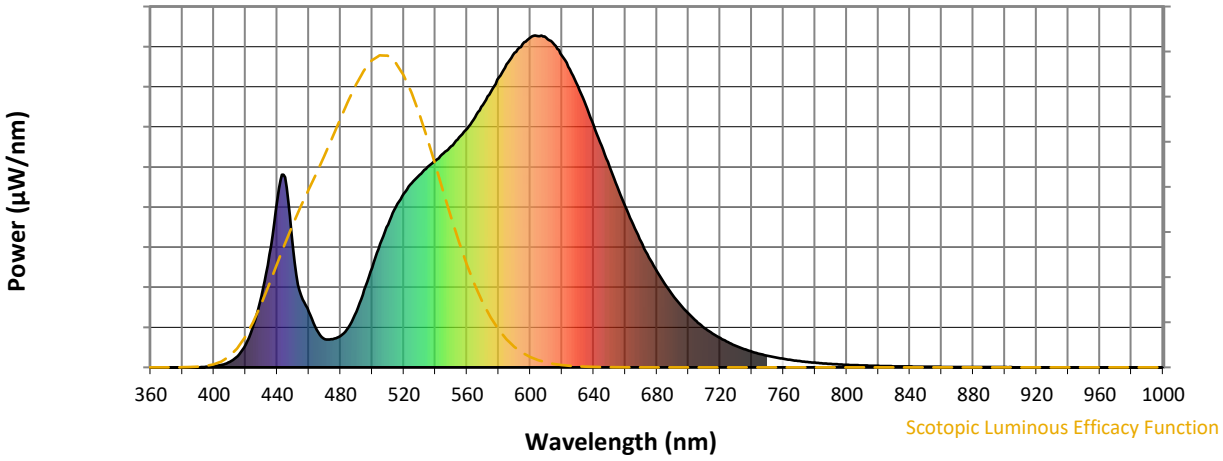
Scotopic Flux vs. Wavelength



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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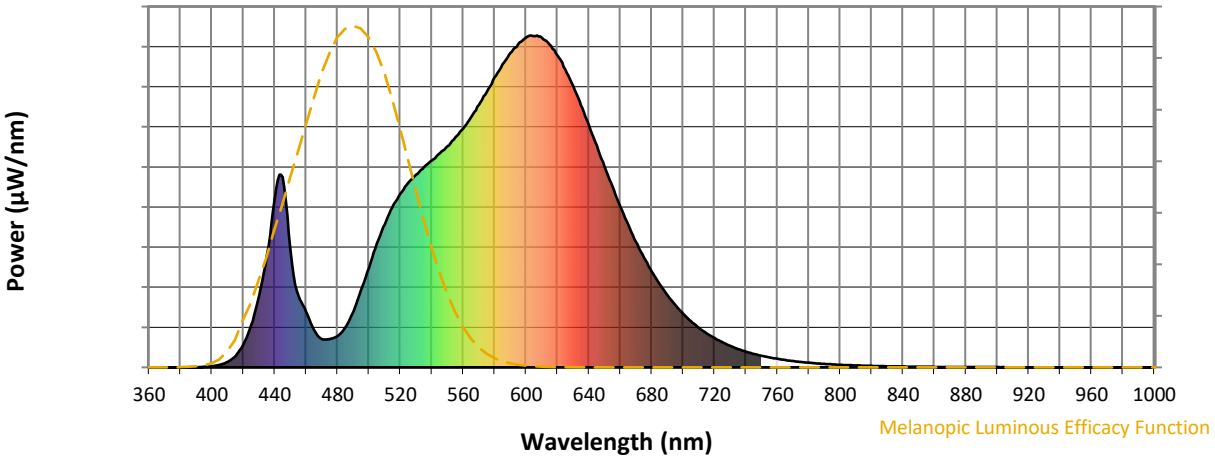
Melanopic Flux vs. Wavelength



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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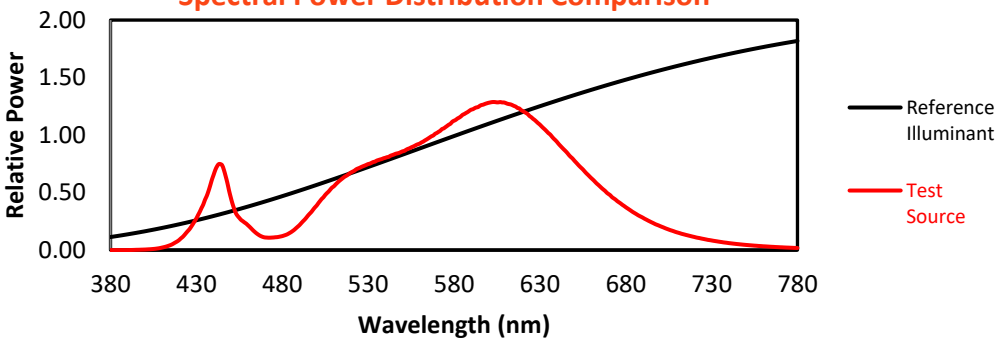
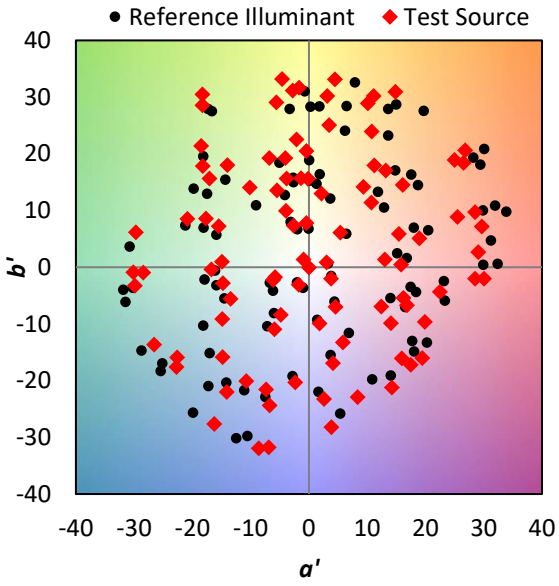
Summary

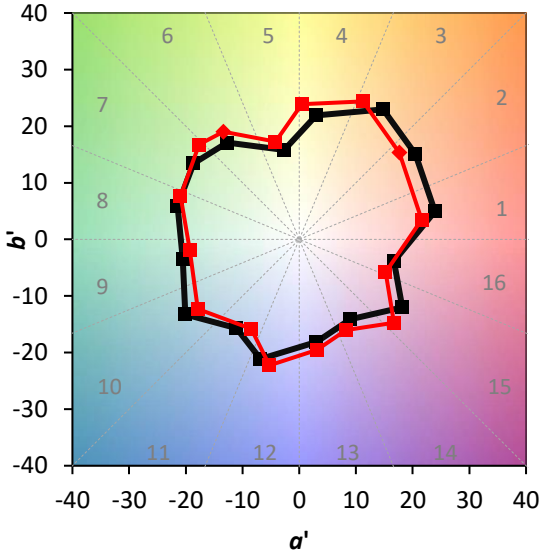
R_f = 81.5
R_g = 99.2
CIE R_a = 81.0
R_9 = 7.1

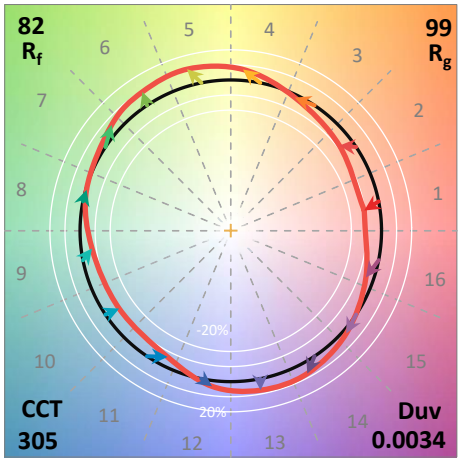
Spectral Power Distribution Comparison

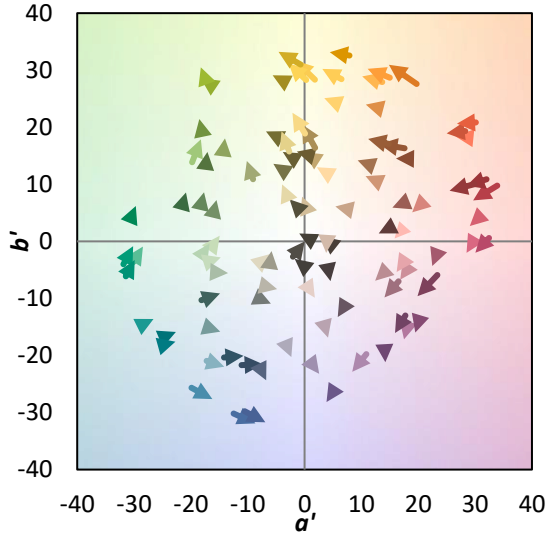


Color Vector Graphics









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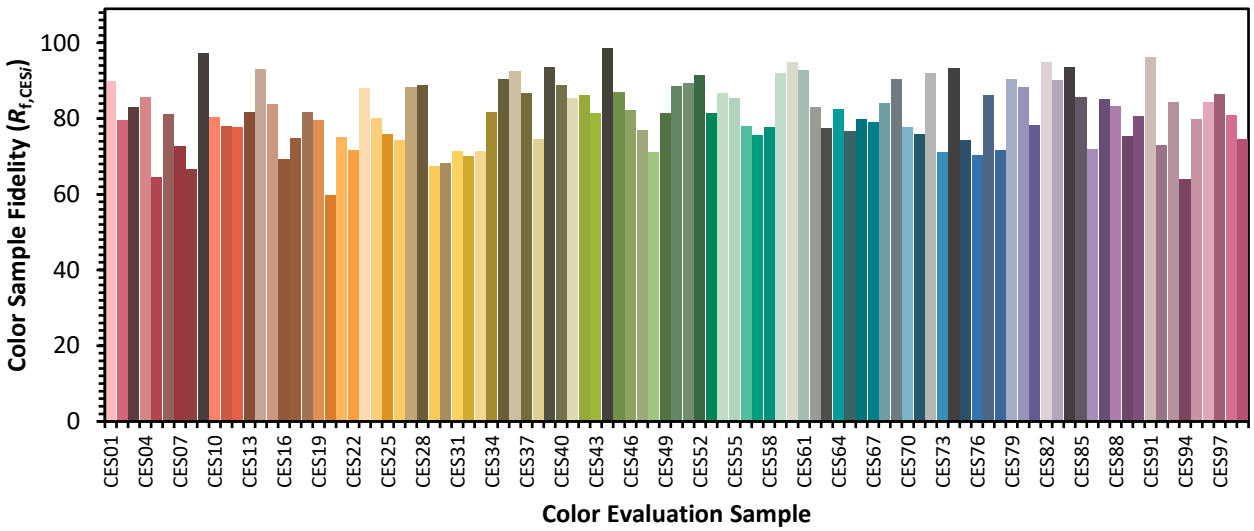
Individual Sample Fidelity Index ($R_{f,i}$)

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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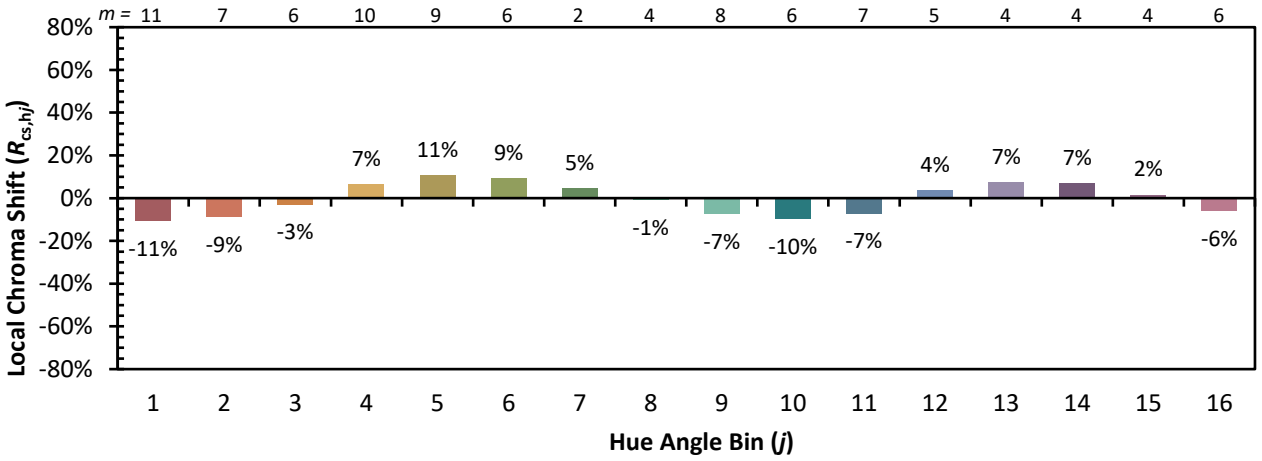
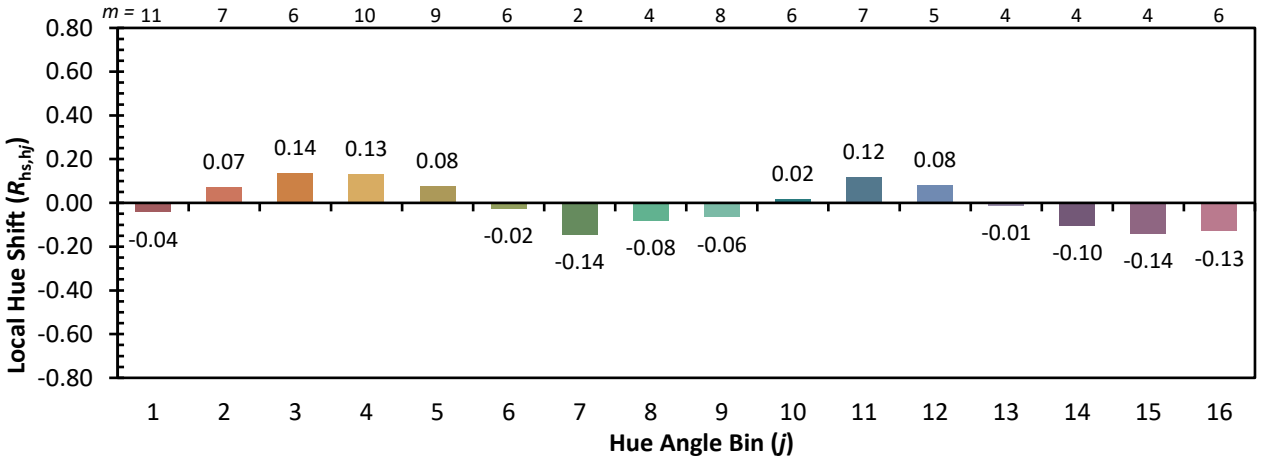
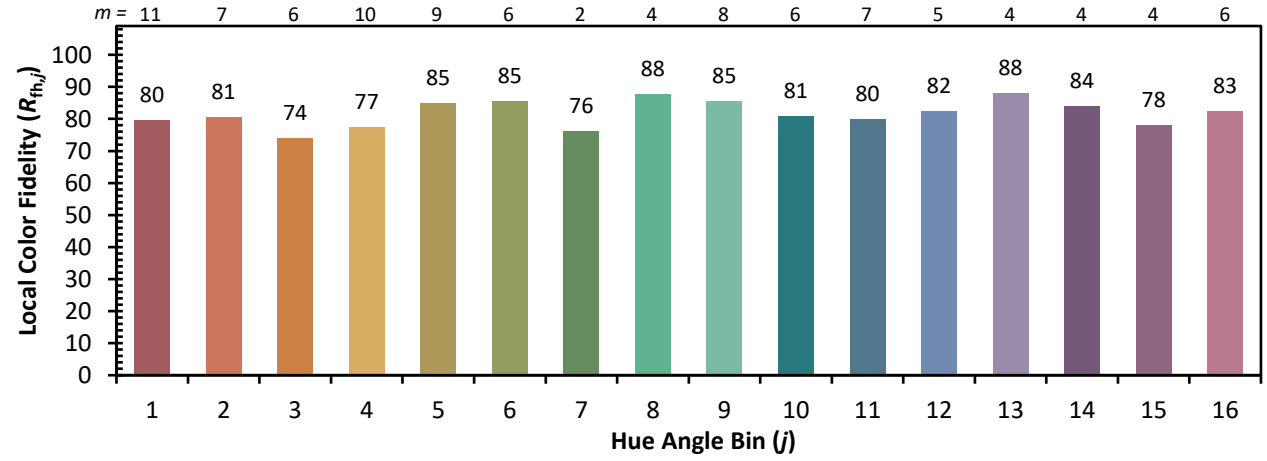
Color Rendition by Hue-Angle Bin







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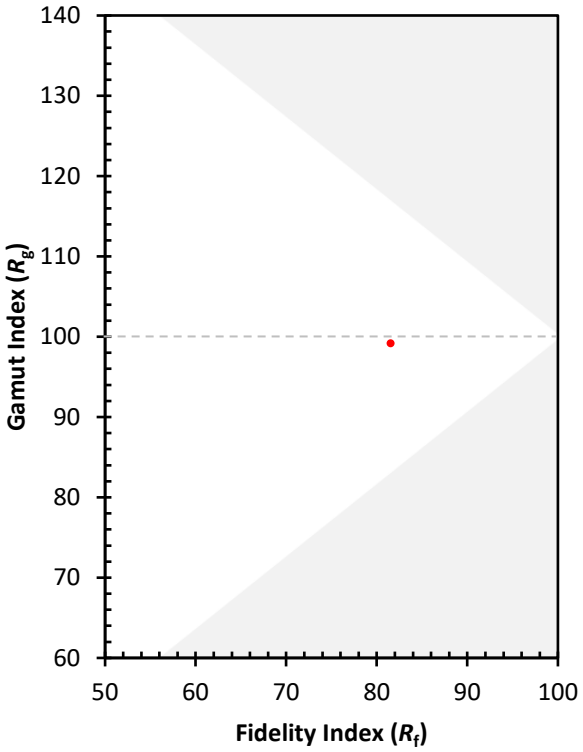
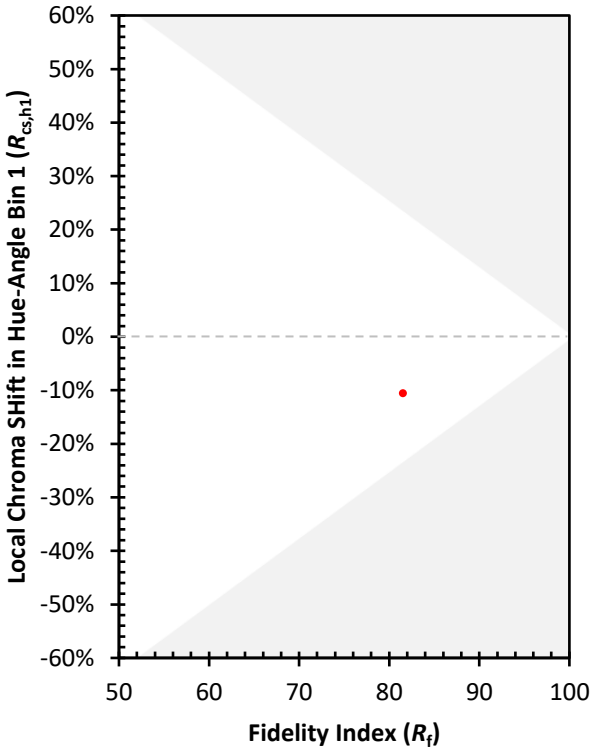
Measure Comparisons





(END OF REPORT)