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: P319195

Luminaire Tested: **GLEON-SA1B-830-U-T4W**

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:	P319195
	TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-18)
Test Lab:	INNOVATION CENTER
Issue Date:	3/3/2020
Manufacturer:	COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line:	McGRAW-EDISON
Catalog Number:	GLEON-SA1B-830-U-T4W
Description:	GALLEON AREA AND ROADWAY LUMINAIRE
	(1) 80 CRI, 3000K, 800mA LIGHTSQUARE WITH 16 LEDS AND TYPE IV WIDE OPTICS
Light Source:	-
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	4722 lumens
Efficiency:	N/A
Efficacy:	107.3 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):	44
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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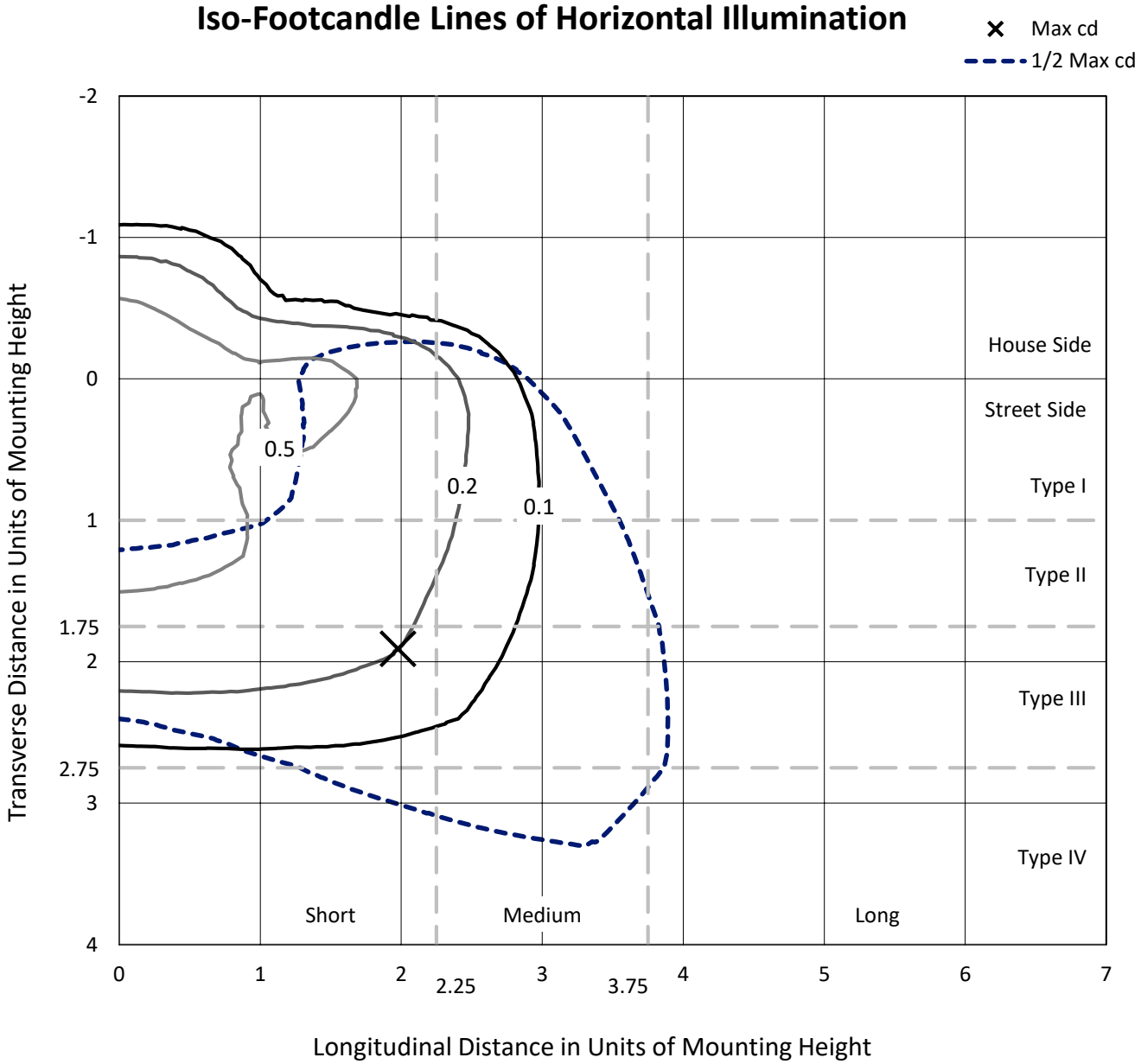
REPORT NUMBER: P319195
CATALOG NUMBER: GLEON-SA1B-830-U-T4W

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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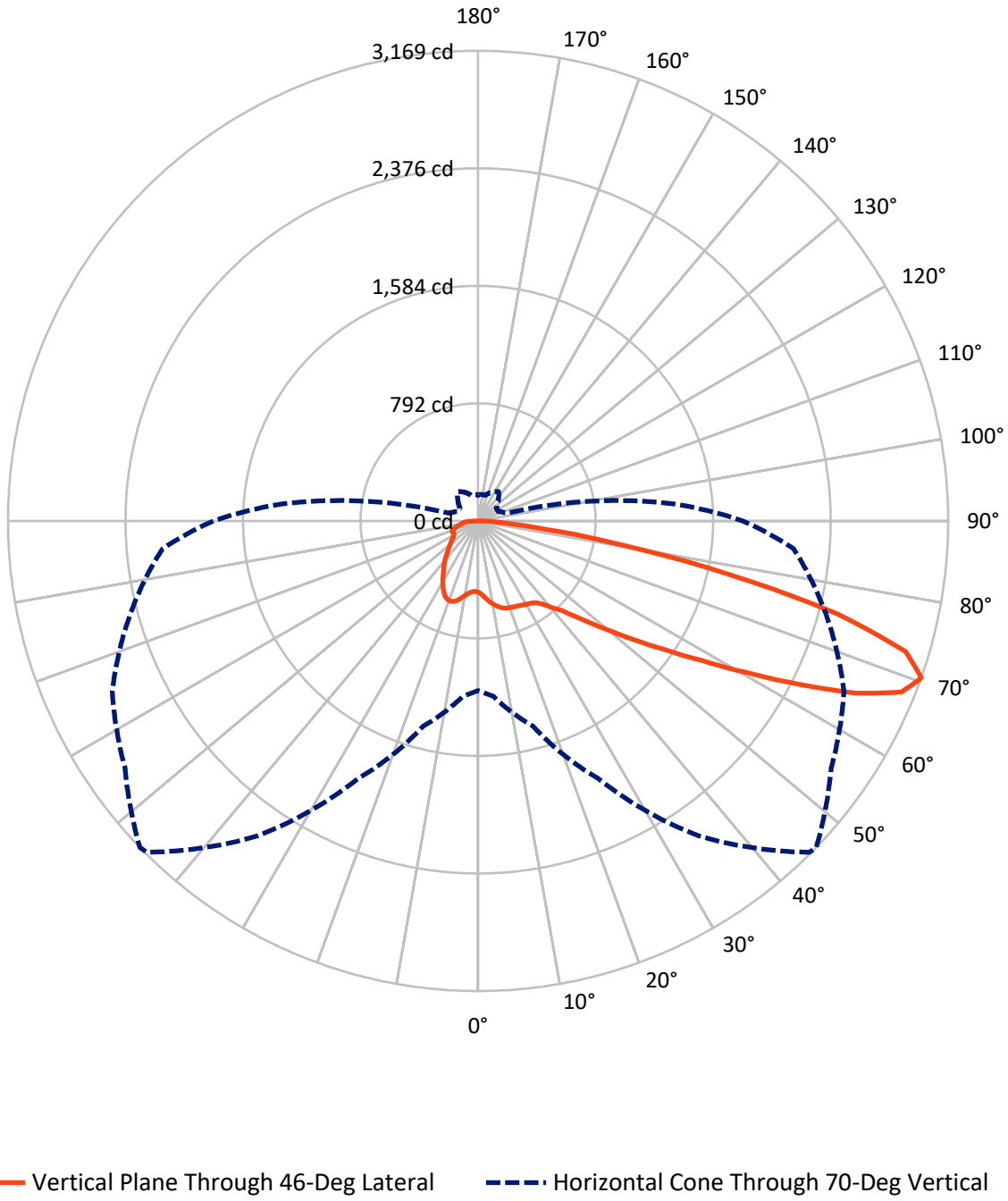
Luminous Intensity Polar Plot



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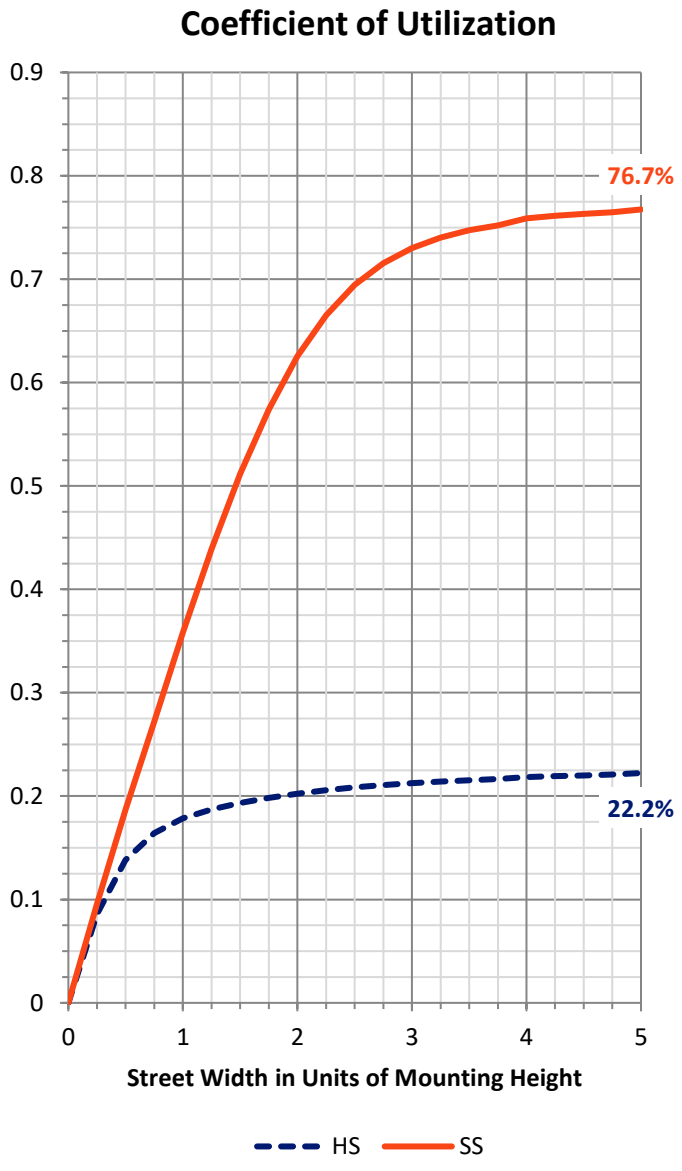
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1082.3	0.0	1082.3
	% Fixture	22.9	0.0	22.9
Street Side	Lumens	3639.7	0.0	3639.7
	% Fixture	77.1	0.0	77.1
Total	Lumens	4722.0	0.0	4722.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	49.0	1.0
10°-20°	163.4	3.5
20°-30°	272.4	5.8
30°-40°	386.6	8.2
40°-50°	568.7	12.0
50°-60°	963.1	20.4
60°-70°	1367.1	29.0
70°-80°	830.5	17.6
80°-90°	121.2	2.6
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°	4722.0	100.0
0°-180°	4722.0	100.0



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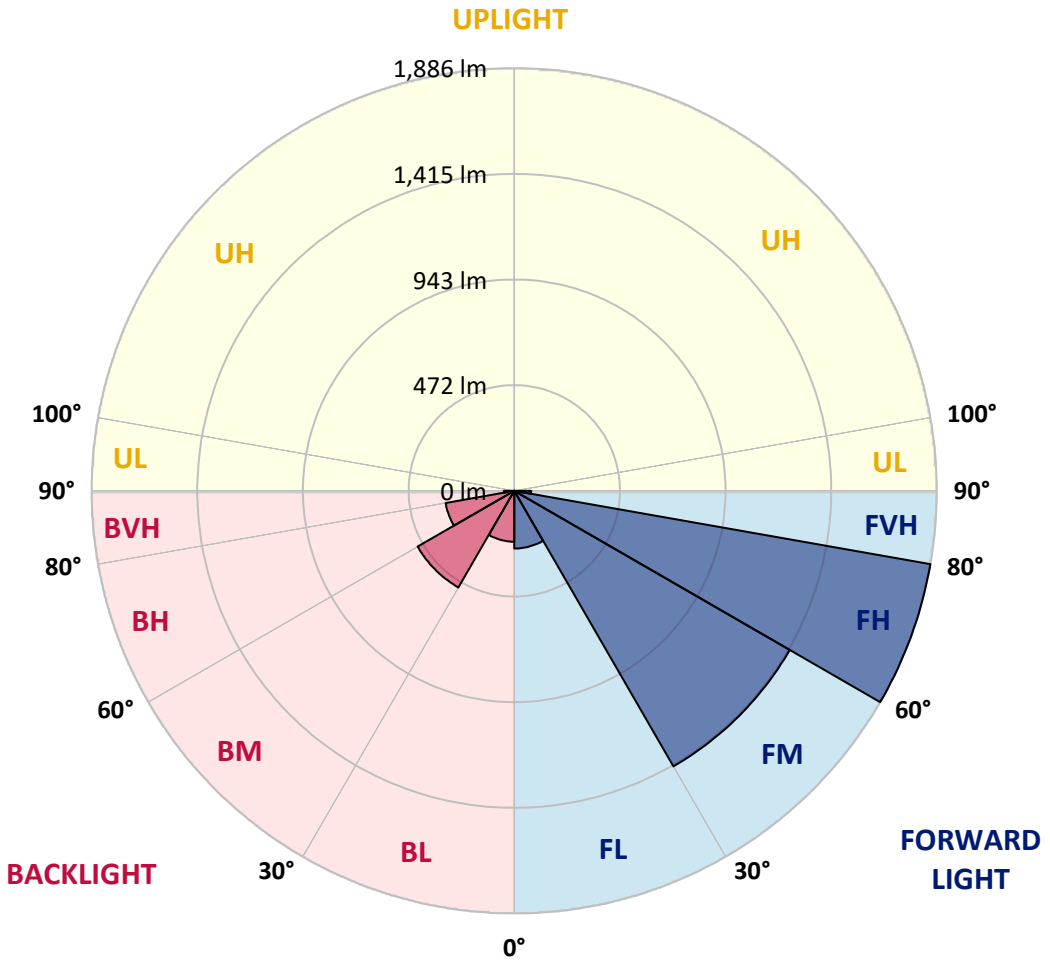
LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	257.7	5.5			
FM	(30°-60°)	1420.2	30.1			
FH	(60°-80°)	1886.4	39.9			G2/5000
FVH	(80°-90°)	75.5	1.6			G1/100
BL	(0°-30°)	227.2	4.8	B1/500		
BM	(30°-60°)	498.2	10.6	B1/1000		
BH	(60°-80°)	311.1	6.6	B1/500		G1/500
BVH	(80°-90°)	45.7	1.0			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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Scaled Data Report

REPORT NUMBER: P319195
CATALOG NUMBER: GLEON-SA1B-830-U-T4W

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	46°	55°	65°	75°	85°
0°	481.1	481.1	481.1	481.1	481.1	481.1	*481.1*	481.1	481.1	481.1	481.1
2.5°	505.2	505.5	506.1	504.5	500.0	498.7	*498.2*	493.5	490.5	485.9	482.0
5°	545.6	545.9	544.9	540.4	530.4	522.9	*522.3*	511.6	501.9	491.6	483.8
7.5°	587.7	588.2	585.1	576.6	562.5	549.6	*548.8*	534.2	519.5	503.9	492.2
10°	625.1	623.1	618.1	606.2	589.5	573.7	*573.0*	557.8	540.9	522.0	506.5
12.5°	650.0	648.3	641.9	627.3	609.1	594.5	*593.2*	579.2	562.7	542.0	523.4
15°	663.7	664.8	656.1	639.6	621.8	609.6	*608.4*	598.4	583.7	562.8	541.5
17.5°	665.5	666.4	658.0	641.7	627.2	618.8	*618.3*	611.7	601.0	580.9	558.6
20°	655.1	655.8	648.8	635.4	625.9	623.3	*623.1*	620.2	612.3	594.5	572.9
22.5°	640.1	640.6	635.6	625.9	622.6	626.7	*627.8*	626.7	621.0	604.4	584.0
25°	636.4	636.1	630.9	621.0	623.8	632.3	*633.8*	634.3	630.4	615.9	598.2
27.5°	654.3	653.2	643.3	627.5	629.3	639.6	*641.5*	646.2	643.8	631.0	614.4
30°	706.2	704.2	684.0	652.1	643.3	648.7	*651.1*	658.5	659.0	648.3	635.9
32.5°	793.8	791.3	755.2	697.9	667.1	657.9	*660.1*	671.3	677.3	669.0	655.6
35°	904.5	901.7	854.2	776.0	706.8	675.5	*677.1*	686.0	697.9	686.3	668.5
37.5°	1019.8	1013.2	967.5	867.8	770.0	713.1	*713.1*	714.3	719.9	695.7	683.7
40°	1134.6	1128.0	1086.6	975.7	851.8	772.4	*768.7*	743.7	739.2	718.3	714.3
42.5°	1241.2	1239.3	1214.9	1097.7	947.8	830.8	*825.6*	783.1	784.1	771.1	771.3
45°	1354.7	1354.7	1334.8	1220.9	1059.6	924.5	*919.3*	856.8	866.5	860.5	874.9
47.5°	1447.3	1450.2	1447.4	1349.2	1189.7	1043.6	*1034.2*	958.9	986.1	1006.6	1048.5
50°	1541.8	1546.3	1546.8	1489.9	1346.9	1185.2	*1174.5*	1094.5	1155.1	1213.9	1296.2
52.5°	1679.0	1689.2	1648.6	1630.4	1539.6	1353.2	*1342.7*	1268.9	1370.0	1452.6	1594.3
55°	1806.2	1797.3	1768.4	1779.7	1745.8	1544.6	*1536.6*	1471.8	1609.5	1716.8	1900.9
57.5°	1875.0	1874.4	1903.5	1952.0	1968.1	1780.5	*1773.9*	1710.8	1879.6	1960.2	2188.7
60°	1955.8	1957.0	2029.0	2139.1	2205.7	2074.3	*2071.4*	2023.5	2141.8	2187.4	2414.4
62.5°	1967.1	1987.5	2111.6	2301.0	2428.0	2417.5	*2424.0*	2305.2	2376.5	2368.7	2583.0
65°	1837.1	1863.9	2088.5	2350.0	2649.1	2792.9	*2798.9*	2588.5	2561.5	2523.7	2643.3
67.5°	1570.4	1610.2	1854.2	2243.5	2722.0	3070.4	*3078.8*	2808.1	2715.0	2576.2	2498.2
70°	*1142.8*	*1186.9*	*1432.6*	*1916.1*	*2592.0*	*3159.1*	*3168.6*	*2905.2*	*2720.8*	*2426.7*	*2132.6*
72.5°	690.3	724.9	927.4	1410.6	2187.7	2997.5	*3014.5*	2782.1	2484.1	2055.5	1574.8
75°	303.2	325.8	448.4	812.8	1566.2	2480.1	*2501.2*	2381.3	2018.4	1493.8	930.8
77.5°	129.1	135.6	183.9	353.1	885.4	1694.7	*1723.8*	1739.9	1369.4	812.8	393.3
80°	80.5	83.1	104.1	159.8	414.3	951.8	*983.2*	1023.7	680.0	298.8	137.4
82.5°	49.0	51.9	69.2	96.6	215.7	431.5	*446.5*	475.1	263.9	129.1	71.1
85°	29.4	31.5	42.3	61.1	122.8	169.7	*169.5*	187.5	124.3	83.1	37.5
87.5°	14.1	15.7	22.6	31.7	61.9	63.7	*59.6*	67.5	75.5	54.5	18.9
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: P319195
CATALOG NUMBER: GLEON-SA1B-830-U-T4W

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	481.1	481.1	481.1	481.1	481.1	481.1	481.1	481.1	481.1	481.1	481.1
2.5°	480.8	480.1	478.0	476.4	476.1	475.1	474.3	474.8	475.4	475.6	475.6
5°	480.6	478.8	476.1	474.9	476.4	478.3	480.8	484.0	485.9	487.4	488.4
7.5°	488.4	485.0	481.9	481.2	484.1	489.3	494.8	501.6	506.3	509.5	510.2
10°	501.3	497.1	494.0	494.7	499.8	507.3	515.0	523.7	530.9	535.2	535.5
12.5°	516.1	512.1	509.2	511.9	520.5	529.6	537.6	545.2	551.7	556.1	556.1
15°	533.3	530.4	527.0	533.3	544.9	553.0	556.4	560.1	563.7	566.9	566.2
17.5°	549.8	547.0	545.2	552.7	564.8	568.5	566.2	563.5	563.5	565.3	565.6
20°	564.0	561.6	562.7	570.0	576.3	572.4	564.0	555.3	551.7	552.7	553.6
22.5°	576.4	575.3	578.7	582.1	577.6	564.0	548.5	536.7	532.3	532.0	532.3
25°	591.0	590.8	595.0	588.9	568.8	543.8	522.9	511.5	509.0	511.0	514.2
27.5°	609.1	610.8	612.9	590.5	551.1	513.2	492.1	484.1	486.6	491.3	494.3
30°	632.2	637.0	632.5	586.4	525.5	478.3	458.1	455.9	462.5	469.1	472.4
32.5°	654.6	662.2	651.2	575.9	492.6	441.3	425.7	425.0	433.1	439.5	444.1
35°	672.7	687.8	665.3	555.1	454.4	407.2	395.8	391.4	394.3	401.9	407.1
37.5°	696.3	721.4	675.0	523.3	413.0	379.1	365.7	355.7	353.1	356.2	358.7
40°	739.5	772.6	679.5	478.8	372.6	351.0	337.4	322.7	312.5	305.1	305.3
42.5°	809.9	839.3	676.6	424.8	335.3	323.5	308.2	291.2	274.7	257.9	256.6
45°	924.3	938.6	667.9	367.6	302.5	294.8	280.4	263.4	241.4	222.4	220.6
47.5°	1107.4	1075.9	654.3	317.7	273.6	270.4	257.1	237.6	214.3	198.9	197.6
50°	1357.1	1274.2	647.7	277.9	248.1	249.0	238.2	217.5	195.5	184.2	182.9
52.5°	1655.7	1505.1	660.5	247.2	227.5	230.9	222.8	203.5	185.0	176.1	174.8
55°	1965.5	1744.3	674.2	224.9	208.1	214.8	212.0	196.0	179.4	171.1	170.0
57.5°	2230.7	1922.9	646.7	206.8	190.8	201.2	203.6	191.3	176.5	169.0	167.7
60°	2397.6	1994.8	574.6	189.9	177.1	190.4	198.8	190.0	177.6	177.0	176.0
62.5°	2476.8	1988.5	466.5	176.5	168.5	185.7	202.3	197.3	190.5	196.3	196.8
65°	2441.3	1893.5	347.4	167.6	162.4	187.5	213.0	211.0	194.2	200.1	200.9
67.5°	2207.3	1666.7	257.3	159.8	155.6	192.5	232.4	215.6	187.0	191.2	188.6
70°	*1784.0*	*1321.4*	*198.4*	*151.1*	*148.7*	*191.8*	*241.1*	*212.8*	*179.1*	*180.0*	*173.1*
72.5°	1230.3	901.1	161.4	143.0	138.7	174.8	235.0	206.0	172.4	165.0	155.8
75°	669.0	483.7	137.2	134.6	121.0	153.5	223.7	201.2	166.4	156.6	151.4
77.5°	263.2	200.7	119.1	123.1	105.8	135.6	211.0	192.0	158.2	145.3	142.7
80°	107.5	102.5	98.7	106.5	91.0	118.6	195.9	181.2	148.3	134.8	129.6
82.5°	60.9	63.7	76.8	84.0	73.9	109.2	188.6	172.4	136.6	120.7	114.6
85°	31.2	37.3	53.5	60.3	54.3	92.9	173.7	150.9	109.6	92.4	92.9
87.5°	15.0	20.8	33.8	37.8	35.2	67.2	129.8	109.4	85.3	67.5	65.4
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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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

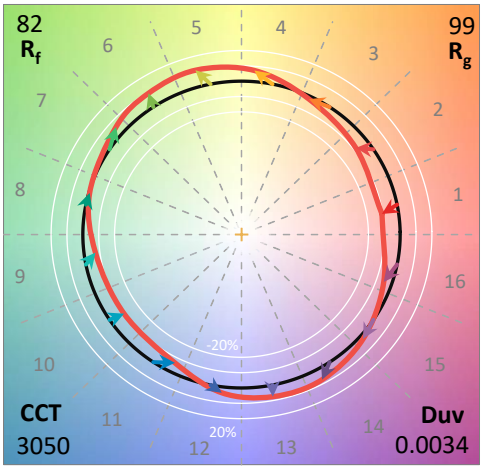
Test Information

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

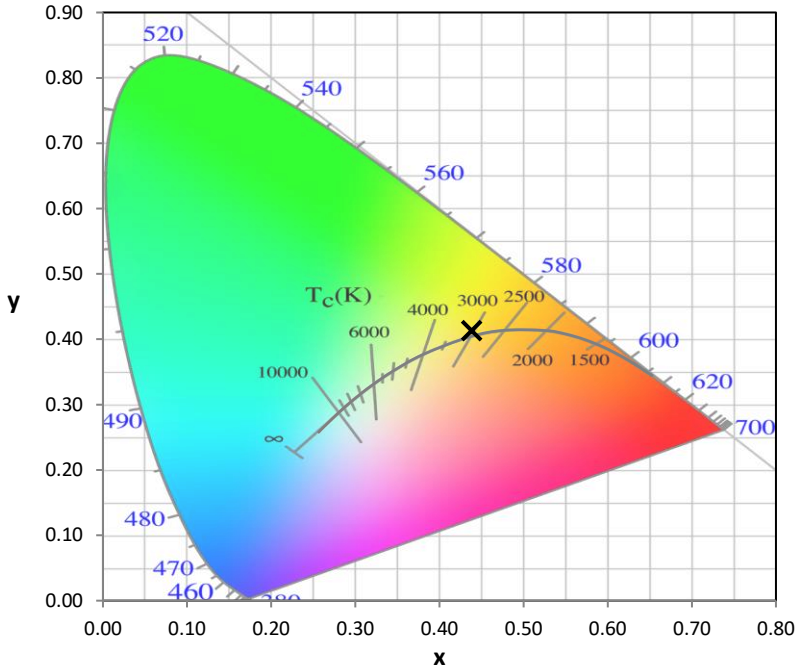
Stabilization Time:	20M
Operation Time:	1H 20M
Sphere Temperature (°C):	24.2

REPORT NUMBER: SP1-2408-195-9

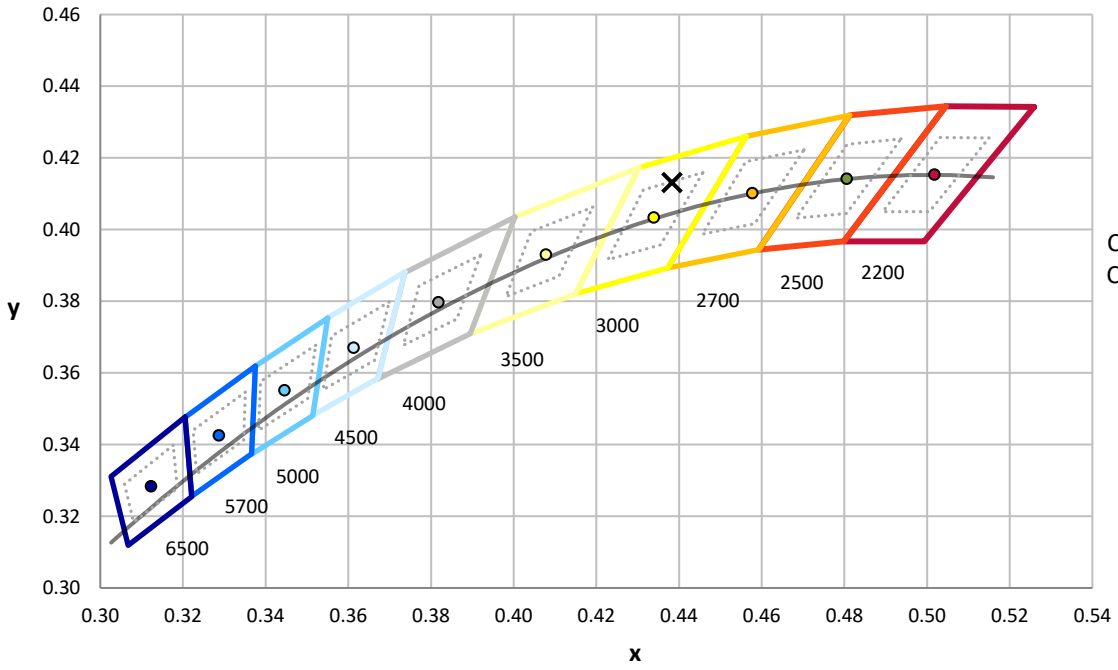
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

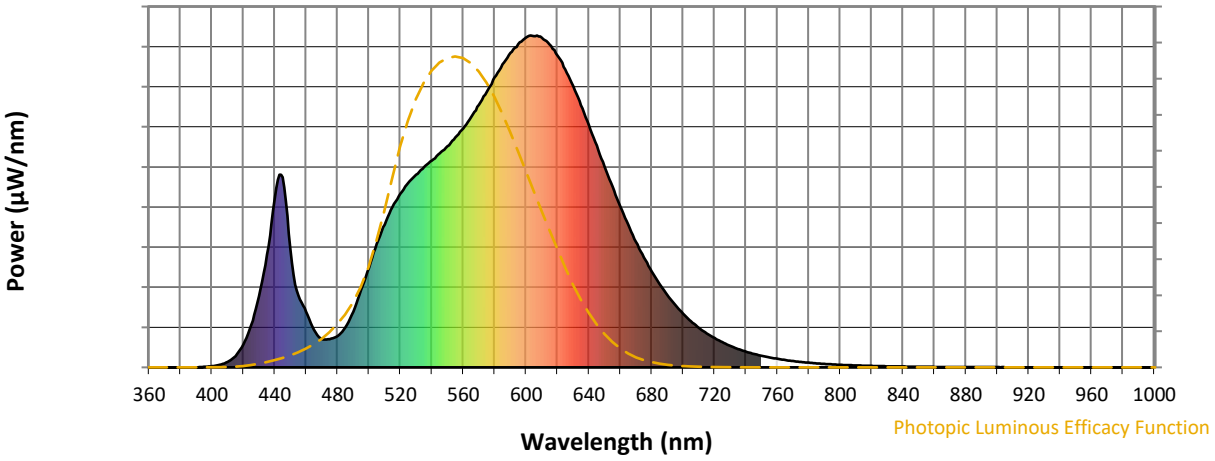


CCT = 3050K
CIE x = 0.4383
CIE y = 0.4131
Duv = 0.0034

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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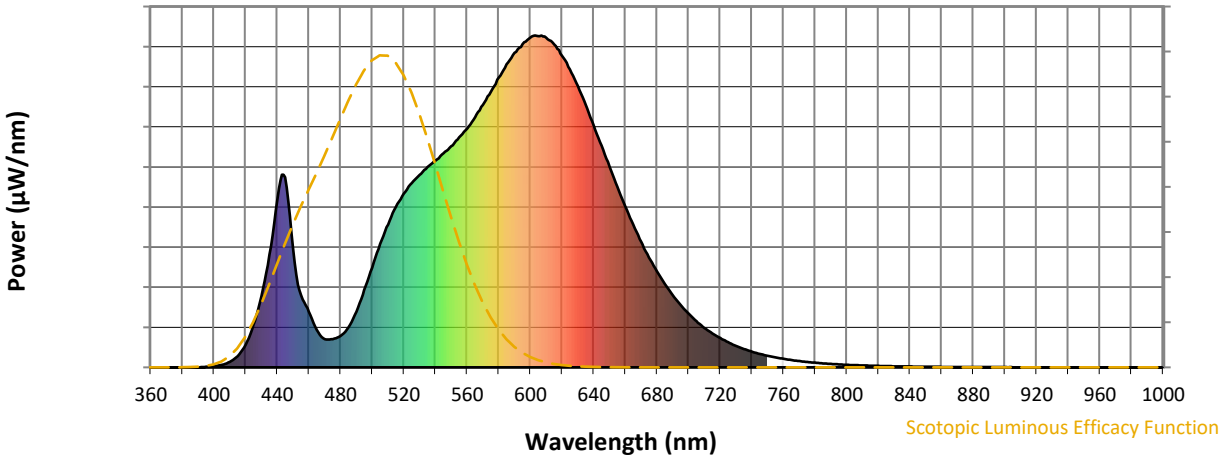
Scotopic Flux vs. Wavelength



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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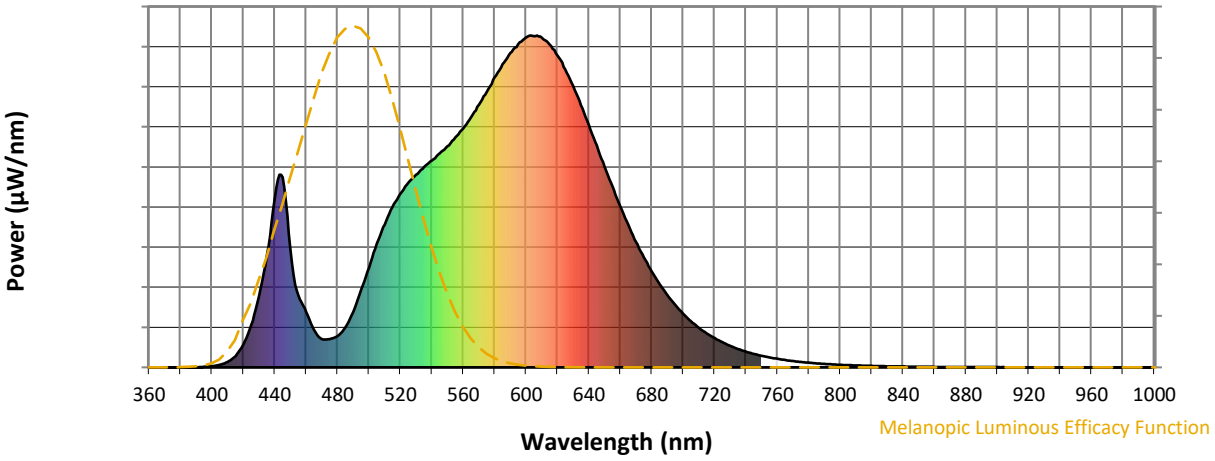
Melanopic Flux vs. Wavelength



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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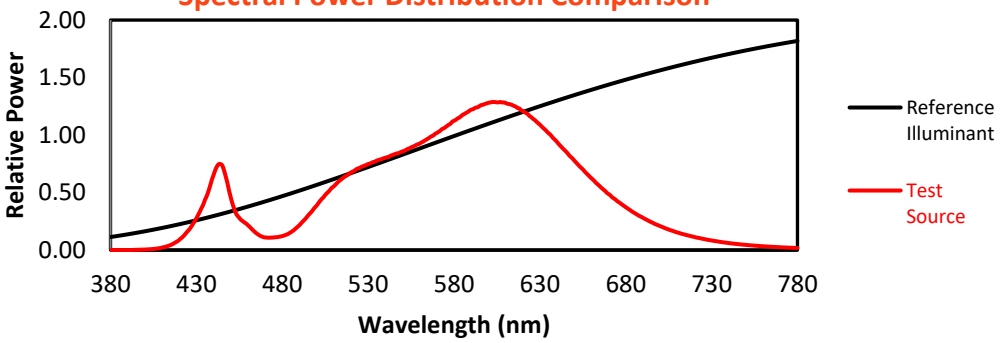
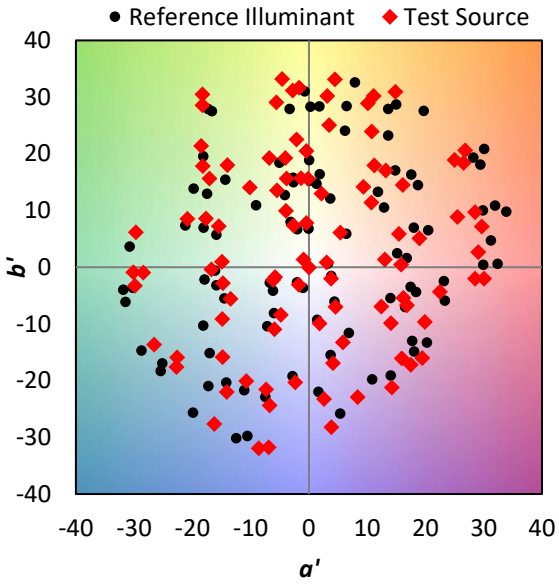
Summary

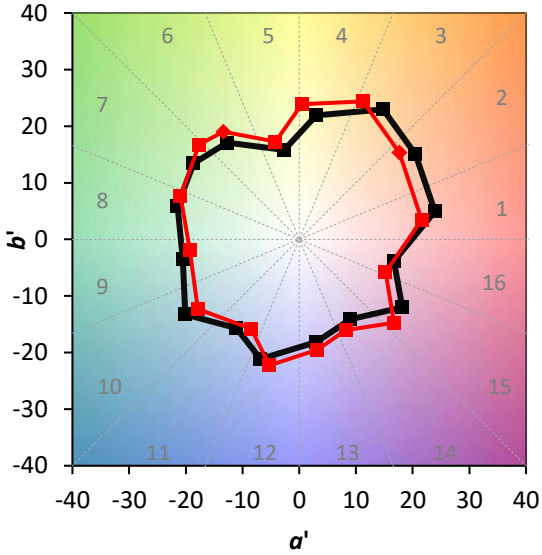
R_f = 81.5
R_g = 99.2
CIE R_a = 81.0
R_9 = 7.1

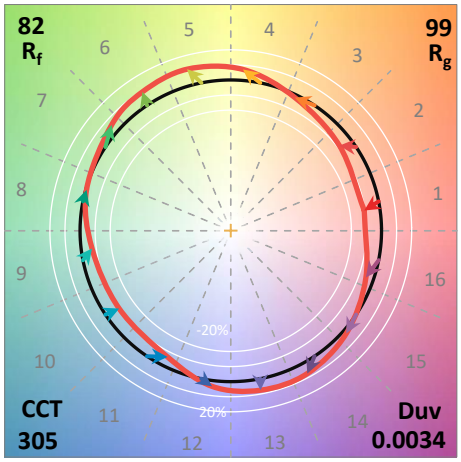
Spectral Power Distribution Comparison

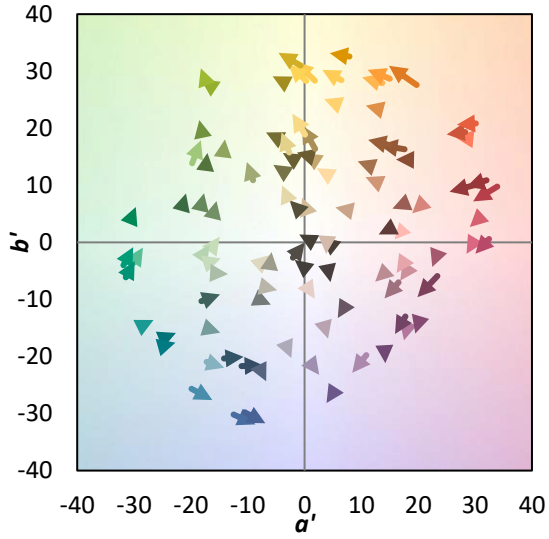


Color Vector Graphics









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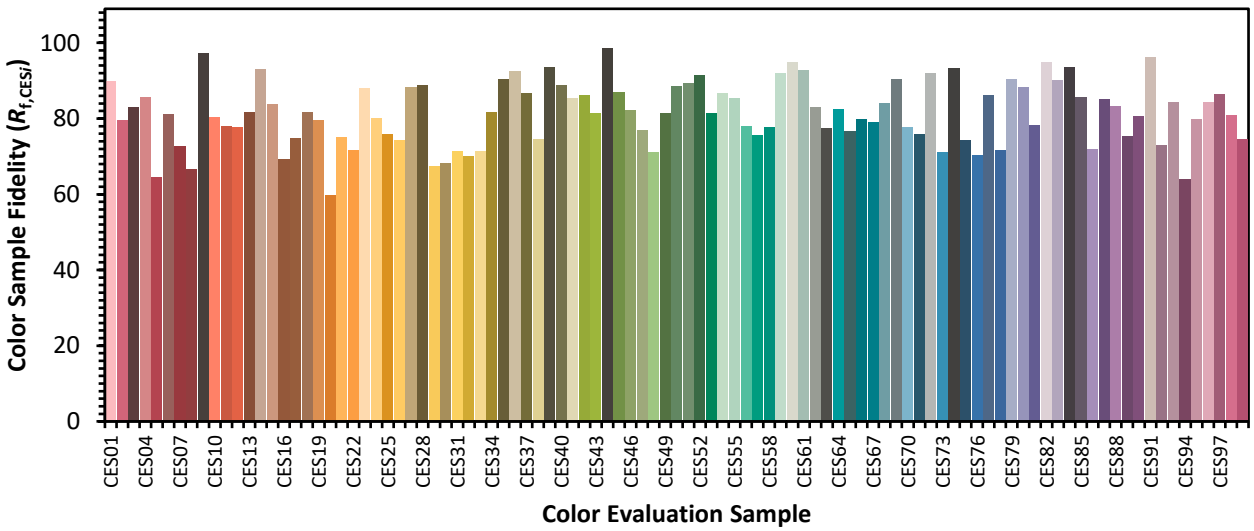
Individual Sample Fidelity Index ($R_{f,i}$)

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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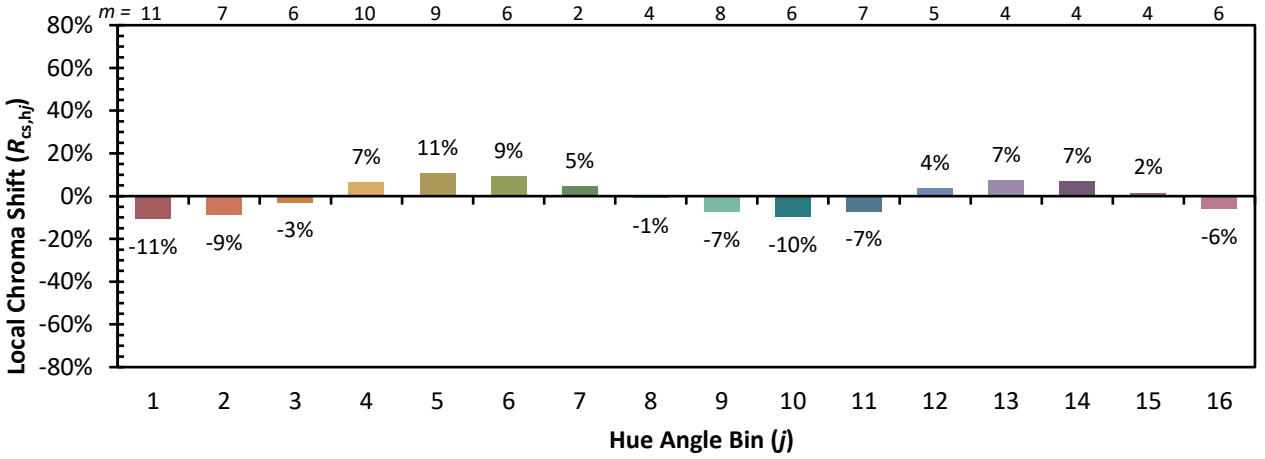
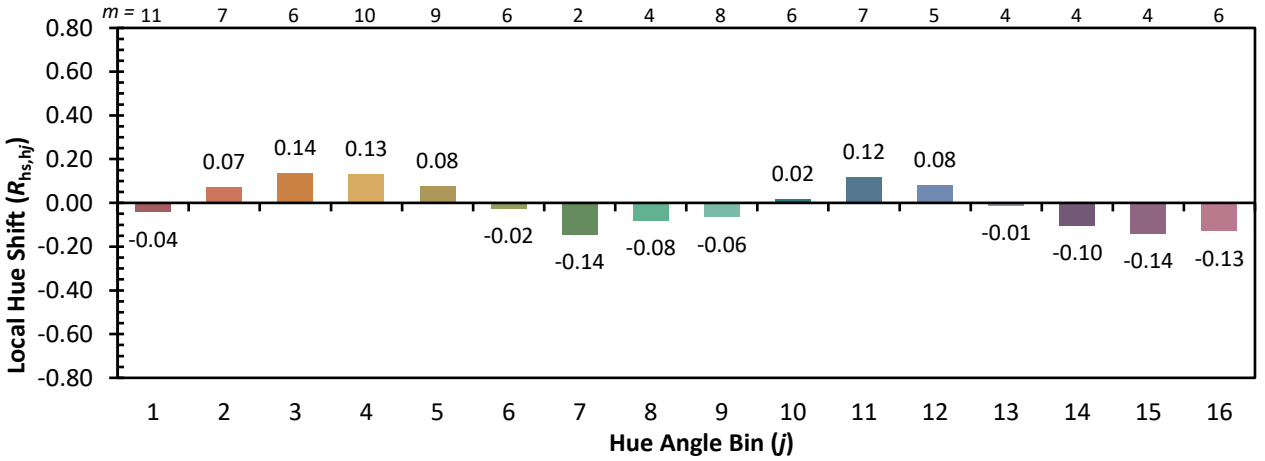
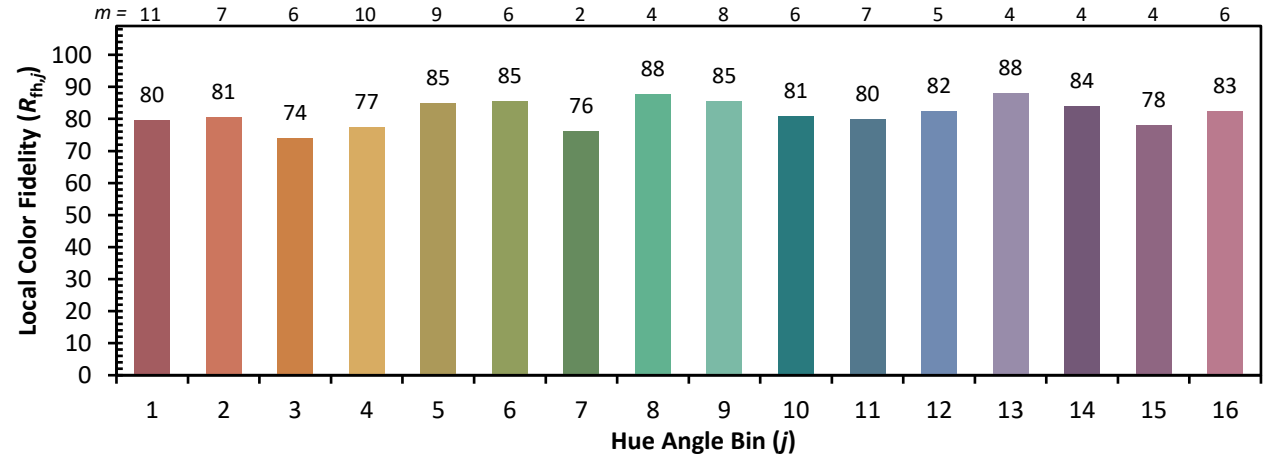
Color Rendition by Hue-Angle Bin







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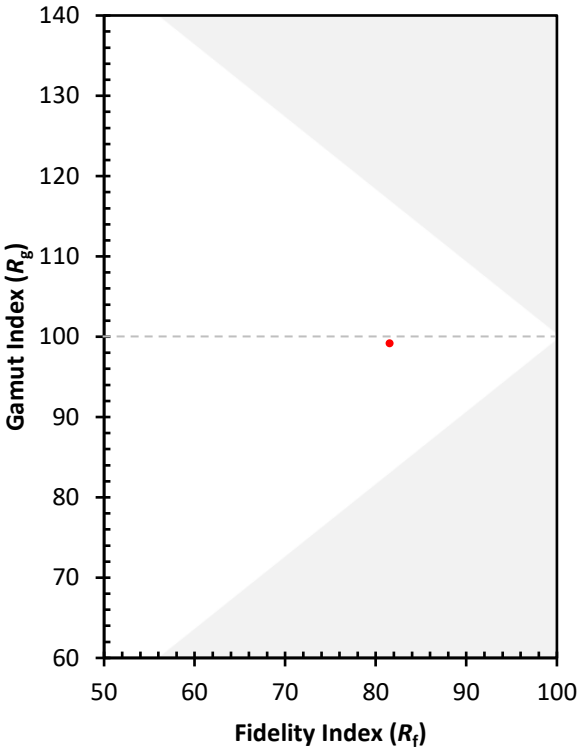
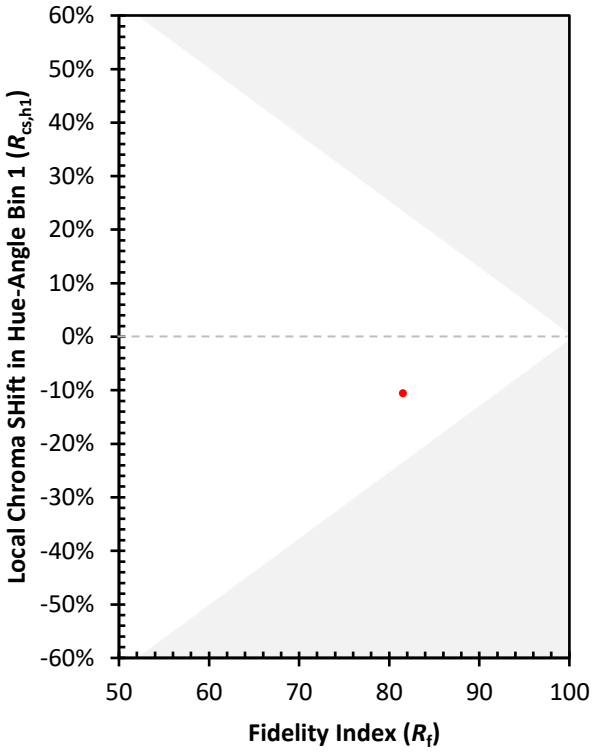
Measure Comparisons





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