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: P318545

Luminaire Tested: **GLEON-SA1A-830-U-T3**

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:	P318545
	TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-14)
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-T3
Description:	GALLEON AREA AND ROADWAY LUMINAIRE
	(1) 80 CRI, 3000K, 615mA LIGHTSQUARE WITH 16 LEDS AND TYPE III OPTICS
Light Source:	-
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	3878 lumens
Efficiency:	N/A
Efficacy:	114.1 lumens/watt
Luminous Opening:	Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification:	Type III - Short
BUG Rating:	B1 - U0 - G1

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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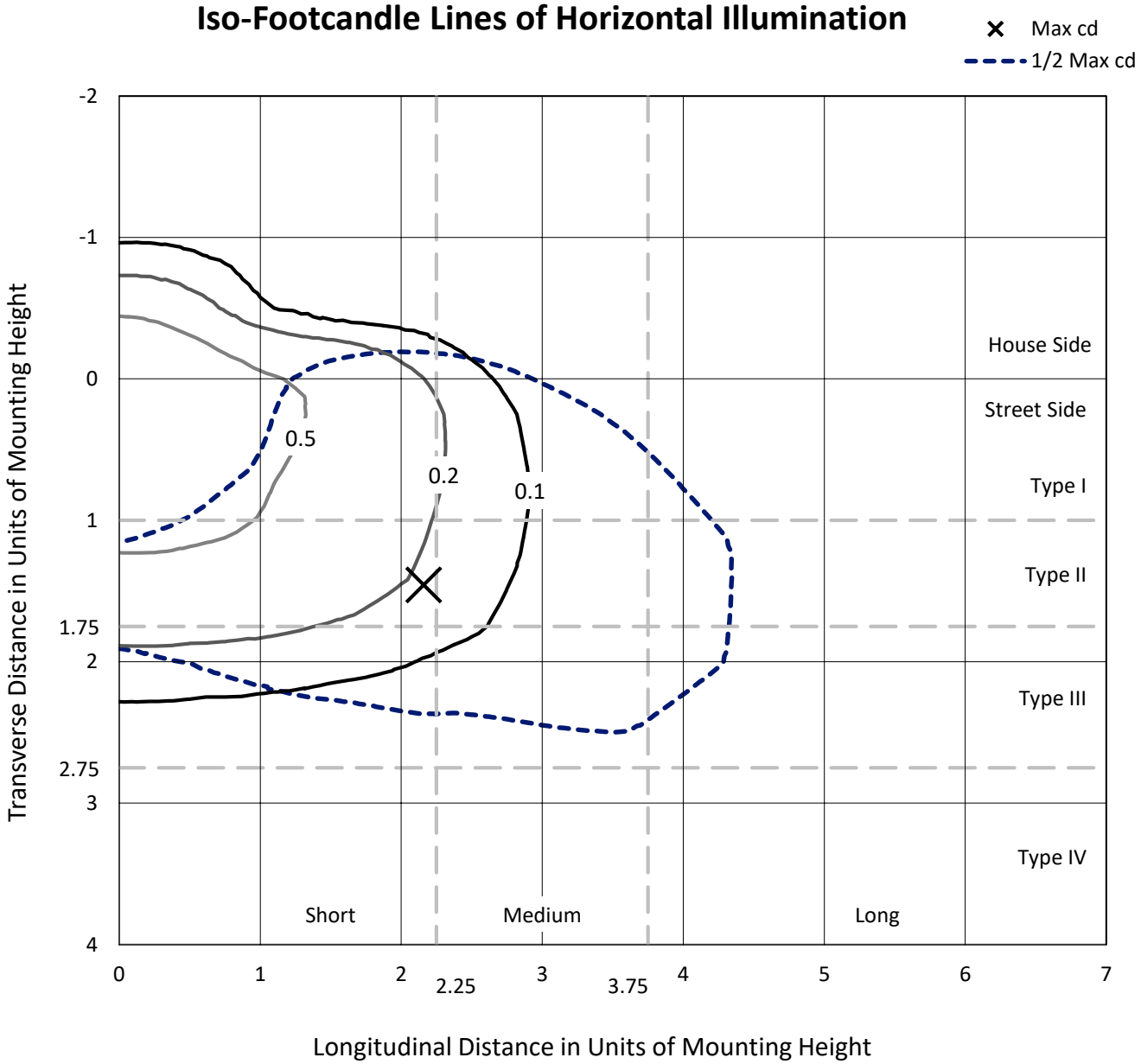
REPORT NUMBER: P318545
CATALOG NUMBER: GLEON-SA1A-830-U-T3

Iso-Footcandle Lines of Horizontal Illumination



Based on 25 foot mounting height. Maximum calculated value = 0.9 fc
Type III - Short - N/A

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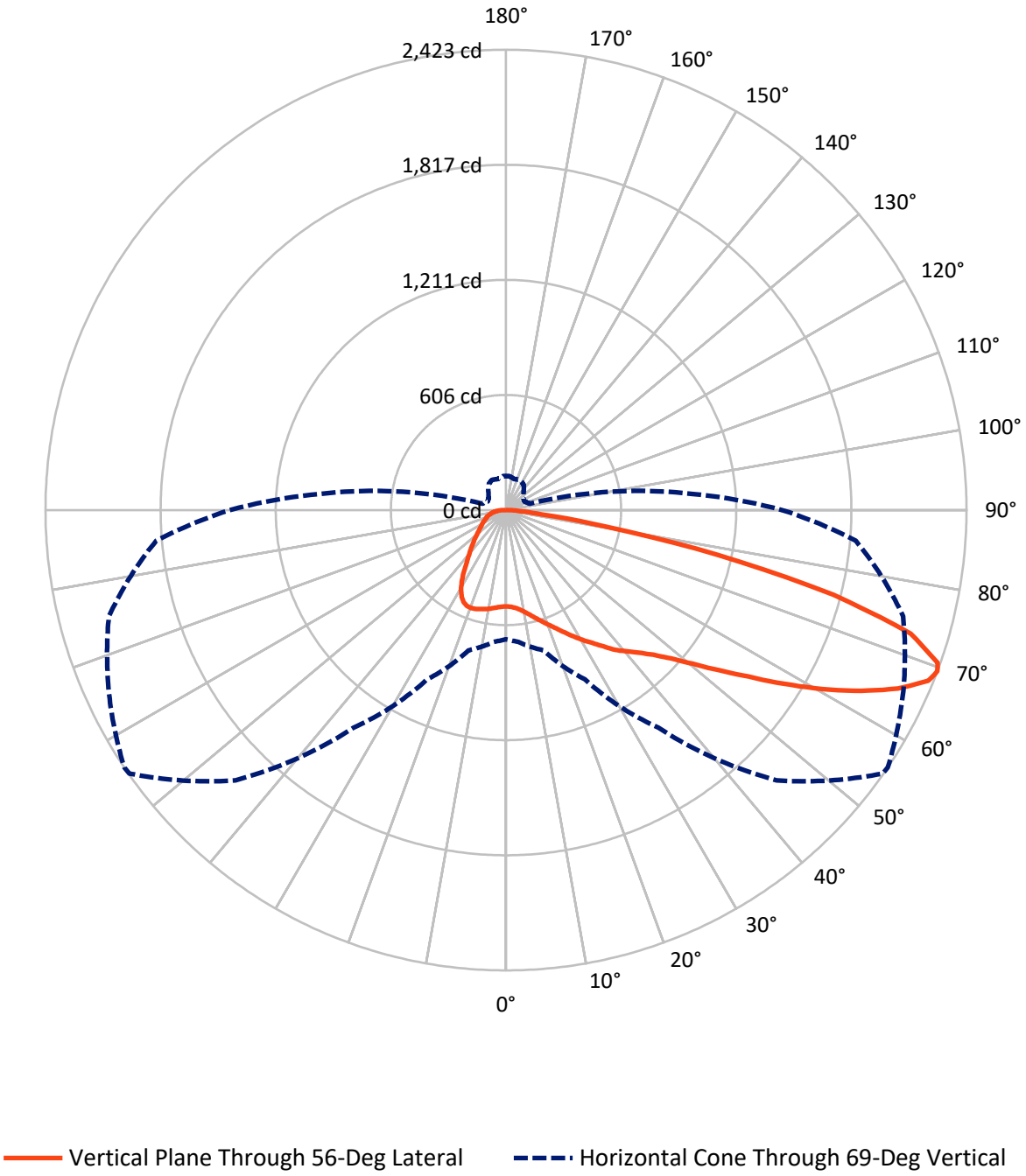
Luminous Intensity Polar Plot



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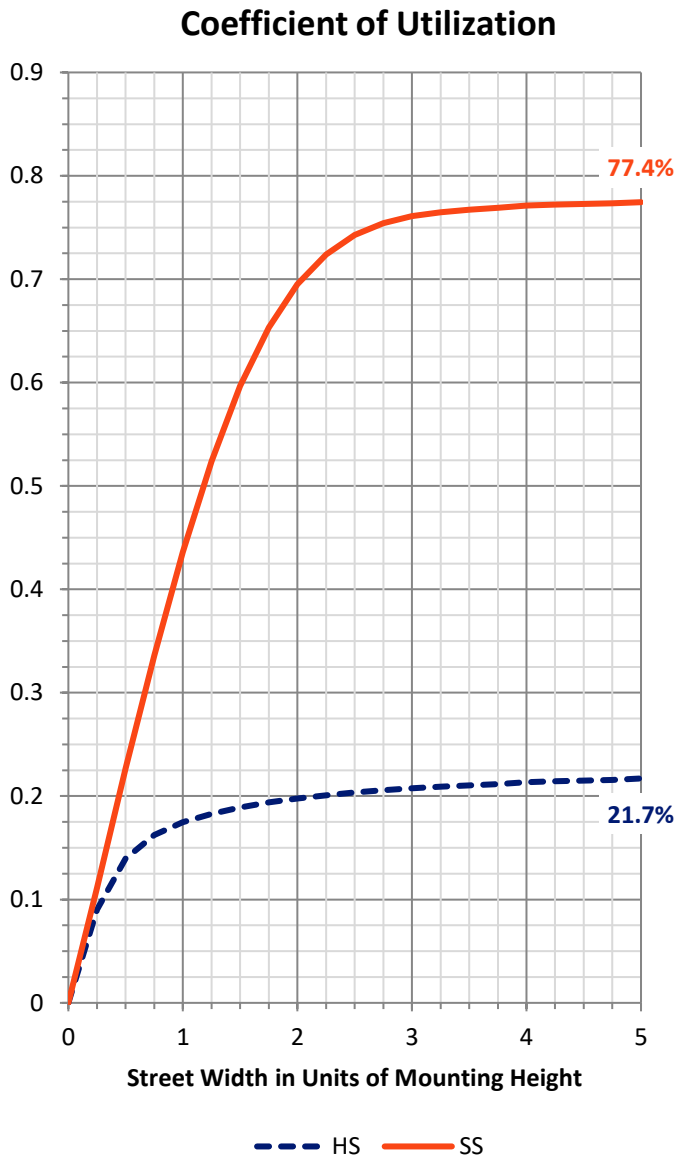
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	863.6	0.0	863.6
	% Fixture	22.3	0.0	22.3
Street Side	Lumens	3014.4	0.0	3014.4
	% Fixture	77.7	0.0	77.7
Total	Lumens	3878.0	0.0	3878.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	49.8	1.3
10°-20°	160.1	4.1
20°-30°	279.5	7.2
30°-40°	401.5	10.4
40°-50°	555.7	14.3
50°-60°	814.1	21.0
60°-70°	992.6	25.6
70°-80°	548.8	14.2
80°-90°	76.0	2.0
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°	3878.0	100.0
0°-180°	3878.0	100.0



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REPORT NUMBER: P318545
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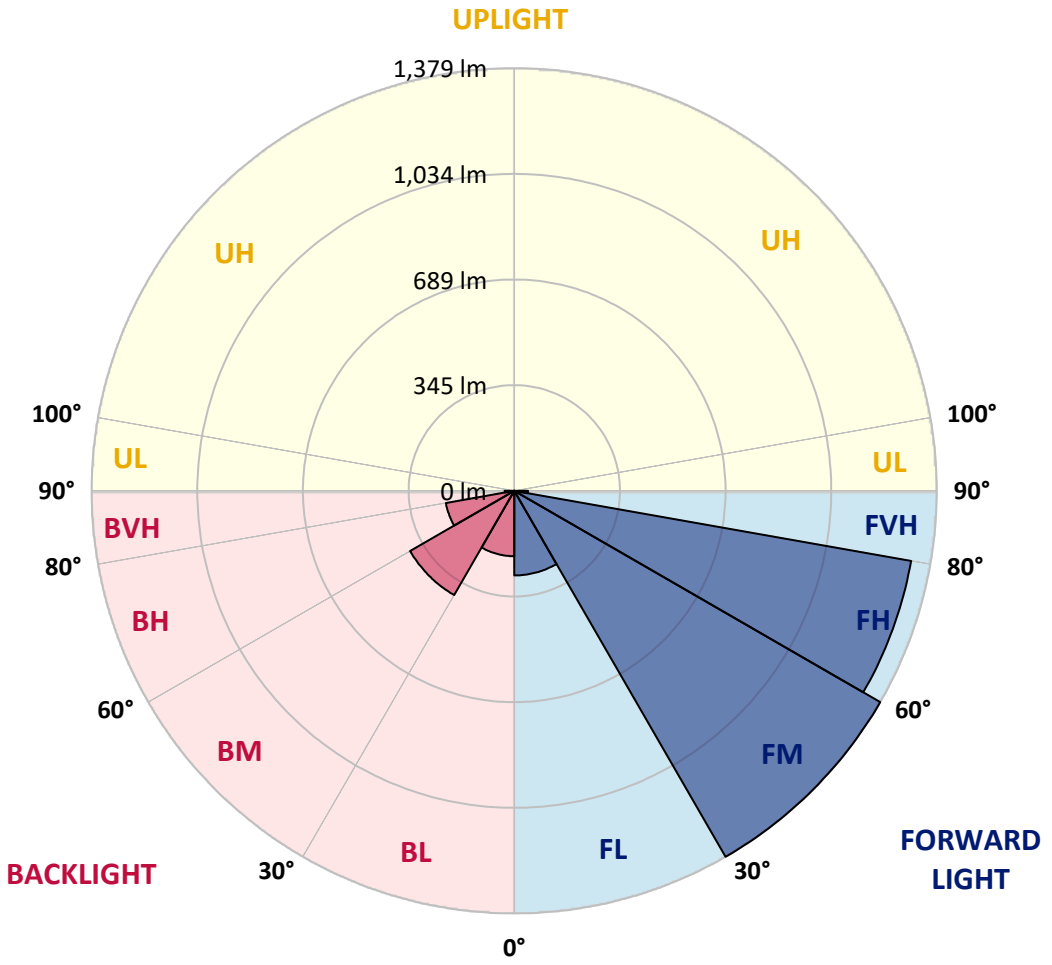
LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	276.0	7.1			
FM	(30°-60°)	1378.8	35.6			
FH	(60°-80°)	1314.8	33.9			G1/1800
FVH	(80°-90°)	44.8	1.2			G1/100
BL	(0°-30°)	213.4	5.5	B1/500		
BM	(30°-60°)	392.5	10.1	B1/1000		
BH	(60°-80°)	226.5	5.8	B1/500		G1/500
BVH	(80°-90°)	31.2	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-G1
Type III Short



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Scaled Data Report

REPORT NUMBER: P318545
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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	56°	65°	75°	85°
0°	507.0	507.0	507.0	507.0	507.0	507.0	507.0	*507.0*	507.0	507.0	507.0
2.5°	510.2	510.7	510.3	511.4	510.2	511.0	510.3	*510.3*	509.9	508.7	507.4
5°	518.2	519.3	518.6	519.7	518.2	518.5	517.3	*517.3*	516.1	513.5	510.9
7.5°	530.8	532.0	531.4	532.5	530.5	530.5	528.9	*528.8*	526.4	522.2	519.1
10°	545.7	547.3	546.8	548.4	546.8	547.3	545.7	*545.7*	542.5	536.6	532.8
12.5°	567.5	569.5	568.0	567.9	567.2	568.3	567.0	*566.7*	563.8	555.8	550.4
15°	596.6	598.8	595.7	595.4	591.7	591.3	591.3	*590.9*	589.0	579.4	570.6
17.5°	630.2	630.8	628.2	623.9	619.1	616.0	615.6	*616.7*	616.7	605.4	591.4
20°	663.0	664.2	662.1	657.3	651.1	646.6	643.4	*645.5*	645.4	632.0	612.1
22.5°	698.8	701.6	698.4	692.3	685.1	680.0	674.4	*676.3*	676.4	660.0	632.4
25°	745.2	742.7	740.6	732.0	721.7	716.5	711.3	*713.1*	712.6	690.0	653.4
27.5°	786.2	786.7	784.1	774.8	763.0	751.5	751.2	*752.4*	750.4	721.3	673.2
30°	833.9	834.2	830.4	822.1	809.2	794.4	790.9	*792.9*	788.6	750.9	694.0
32.5°	881.3	882.7	878.5	868.5	858.1	840.0	833.1	*834.4*	823.7	781.3	715.5
35°	922.9	924.7	923.4	916.7	905.4	889.9	881.6	*880.8*	867.6	818.4	744.0
37.5°	965.2	967.0	965.5	959.9	955.3	938.9	934.5	*934.5*	911.5	856.3	780.2
40°	1008.8	1011.4	1009.7	1002.0	998.1	990.6	980.0	*977.5*	952.7	901.9	839.2
42.5°	1049.2	1052.7	1059.7	1055.1	1047.2	1048.3	1027.1	*1025.7*	1007.6	969.2	913.4
45°	1106.7	1111.8	1123.5	1120.1	1118.5	1112.6	1087.3	*1086.1*	1079.2	1059.8	1005.4
47.5°	1169.4	1176.3	1197.5	1198.2	1215.4	1204.4	1170.0	*1165.9*	1167.5	1168.3	1117.8
50°	1227.1	1234.7	1269.5	1286.0	1326.6	1329.0	1274.1	*1270.3*	1276.6	1295.1	1248.7
52.5°	1273.2	1282.8	1326.3	1377.1	1446.7	1466.5	1402.2	*1399.4*	1404.1	1435.9	1396.7
55°	1307.0	1317.4	1364.8	1457.2	1568.4	1603.3	1549.7	*1547.0*	1550.0	1590.4	1557.7
57.5°	1314.8	1317.4	1386.2	1511.2	1671.1	1754.9	1730.2	*1724.8*	1710.4	1745.7	1735.4
60°	1277.8	1288.0	1368.5	1530.2	1750.6	1904.4	1918.8	*1912.1*	1871.7	1900.5	1892.2
62.5°	1202.7	1220.9	1302.7	1501.3	1781.7	2026.5	2103.8	*2095.8*	2026.1	2044.8	2005.0
65°	1080.1	1087.9	1173.8	1401.8	1742.2	2104.6	2268.8	*2264.8*	2177.1	2147.8	2025.8
67.5°	860.7	875.3	948.3	1193.8	1580.4	2095.4	2396.4	*2396.0*	2275.6	2186.0	1951.9
69°	*680.0*	*695.1*	*764.6*	*983.4*	*1398.5*	*2011.1*	*2417.8*	*2422.5*	*2303.4*	*2162.8*	*1846.4*
70°	542.1	559.6	607.3	828.3	1236.9	1900.0	2400.0	*2408.4*	2298.1	2124.4	1749.0
72.5°	230.7	244.9	278.8	427.0	753.9	1418.8	2194.4	*2226.2*	2174.2	1944.3	1445.5
75°	100.7	105.1	120.5	174.1	334.7	772.2	1719.1	*1777.9*	1859.1	1643.5	1076.8
77.5°	73.7	75.6	84.0	102.2	150.2	291.6	1105.5	*1139.7*	1340.8	1195.9	660.5
80°	57.0	58.4	64.9	75.1	98.1	118.0	504.2	*533.6*	753.9	614.3	275.1
82.5°	45.4	46.4	50.9	55.3	67.7	71.5	167.4	*185.7*	278.3	169.7	72.8
85°	42.2	43.3	44.9	40.3	43.4	41.9	72.4	*75.7*	84.0	66.7	30.5
87.5°	19.1	22.6	44.5	31.4	23.1	18.4	29.7	*31.0*	34.9	35.0	13.5
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: P318545
CATALOG NUMBER: GLEON-SA1A-830-U-T3

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	507.0	507.0	507.0	507.0	507.0	507.0	507.0	507.0	507.0	507.0	507.0
2.5°	508.2	507.8	508.5	506.9	508.9	508.7	508.1	508.3	509.7	509.5	509.7
5°	511.3	511.0	511.8	510.6	513.0	513.8	513.9	515.1	516.6	517.0	517.0
7.5°	519.0	519.0	519.4	517.8	519.4	519.3	518.6	519.8	521.3	521.4	521.3
10°	532.4	532.5	531.8	527.7	526.4	522.8	519.4	519.5	521.4	522.9	523.3
12.5°	549.2	548.7	545.7	538.1	532.5	525.2	521.7	521.6	523.4	524.6	525.0
15°	568.4	567.0	559.4	546.9	537.0	529.8	524.2	522.9	521.8	520.5	520.6
17.5°	586.6	583.3	570.6	553.3	542.9	533.3	522.5	513.8	507.8	504.3	503.2
20°	605.0	598.5	580.2	559.4	546.1	528.6	507.8	490.2	479.2	474.1	473.2
22.5°	621.9	611.3	589.2	565.6	543.6	512.9	480.1	454.5	439.3	432.4	433.0
25°	638.3	623.6	598.5	570.0	530.8	485.1	441.7	410.1	392.5	384.9	384.6
27.5°	652.7	636.0	608.7	566.4	506.9	445.5	396.1	365.4	350.7	344.1	343.1
30°	669.3	651.7	622.1	552.7	471.9	399.8	351.6	330.0	319.6	313.0	311.8
32.5°	689.5	672.9	633.2	527.7	427.1	352.2	316.9	301.8	292.3	285.0	283.6
35°	718.9	701.0	636.0	491.9	377.9	314.5	291.4	275.9	263.0	253.6	252.6
37.5°	755.7	736.1	629.6	445.5	330.2	290.0	270.1	251.0	234.3	221.0	218.8
40°	808.9	779.3	611.9	392.1	295.1	271.2	249.4	227.6	206.9	191.3	188.2
42.5°	872.8	829.9	584.6	338.9	269.3	252.1	228.8	201.9	182.1	171.0	169.4
45°	954.0	882.5	546.8	292.4	243.9	233.0	206.7	181.8	169.5	161.4	160.0
47.5°	1046.7	941.6	507.1	254.6	222.4	215.1	188.9	172.9	163.1	156.7	155.5
50°	1160.7	1008.2	465.0	223.6	200.8	193.6	180.5	167.9	160.2	155.2	154.0
52.5°	1289.2	1083.4	434.7	199.2	182.9	177.7	176.1	165.3	159.0	155.2	154.0
55°	1427.6	1160.0	402.0	178.6	167.4	168.9	173.1	165.5	161.2	156.7	155.0
57.5°	1566.1	1239.1	365.5	161.2	155.1	162.3	171.1	166.1	162.5	158.0	156.4
60°	1675.7	1289.2	309.0	146.7	145.4	155.1	166.3	162.0	157.4	157.5	157.2
62.5°	1726.8	1286.5	246.6	133.7	135.6	145.4	158.6	155.8	151.9	157.1	157.5
65°	1698.1	1222.4	192.0	122.0	125.2	135.2	150.6	152.7	154.0	164.1	165.4
67.5°	1577.6	1097.6	148.7	111.7	115.7	128.3	151.4	166.3	168.1	178.6	178.5
69°	*1453.0*	*980.6*	*129.2*	*106.3*	*111.0*	*130.0*	*161.8*	*175.0*	*168.5*	*179.7*	*178.1*
70°	1348.5	888.0	118.8	102.7	108.9	133.1	168.7	174.9	166.5	176.1	173.4
72.5°	1038.6	638.8	100.7	96.1	101.7	127.3	170.7	171.0	161.8	163.7	159.1
75°	712.3	403.7	87.9	87.0	90.7	114.8	164.3	163.4	149.6	147.0	143.2
77.5°	392.8	205.1	74.7	78.3	80.8	101.7	149.4	148.0	136.7	131.1	129.7
80°	151.5	89.8	63.1	69.6	71.2	88.0	130.9	129.7	120.2	113.0	111.0
82.5°	57.2	47.0	52.1	60.3	59.7	72.7	110.9	110.2	101.0	90.4	87.2
85°	26.5	28.2	41.3	49.7	45.8	53.8	88.7	89.9	78.7	66.1	66.1
87.5°	11.2	15.8	29.3	37.5	30.9	36.3	65.1	62.1	57.0	39.5	37.1
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

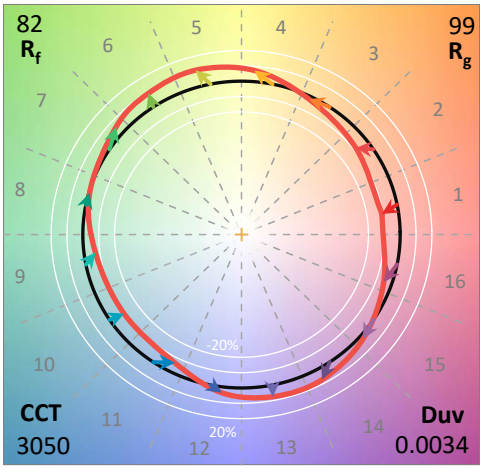
Test Information

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

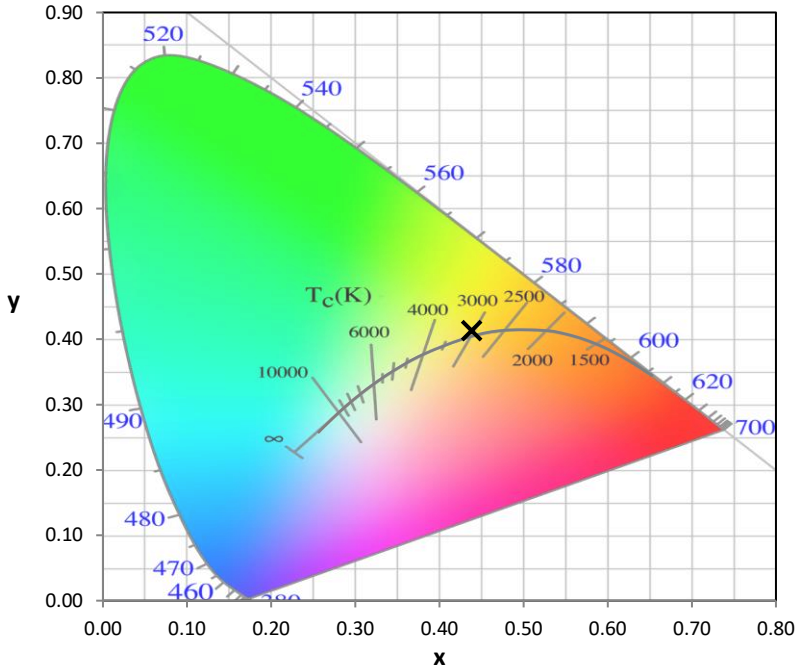
Stabilization Time:	20M
Operation Time:	1H 20M
Sphere Temperature (°C):	24.2

REPORT NUMBER: SP1-2408-195-9

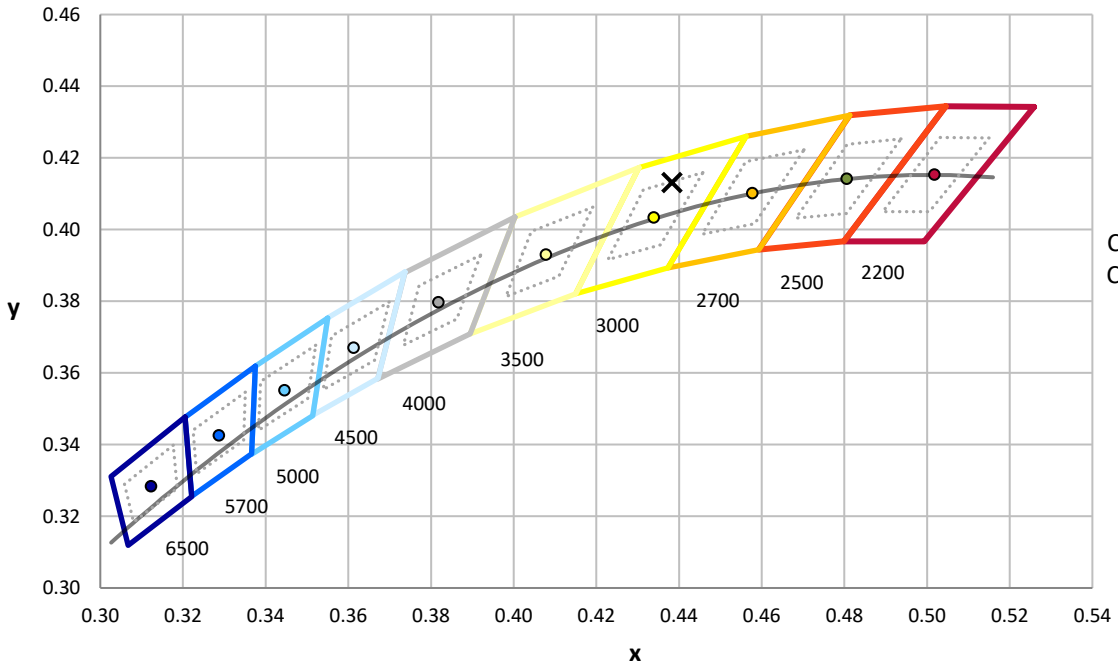
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

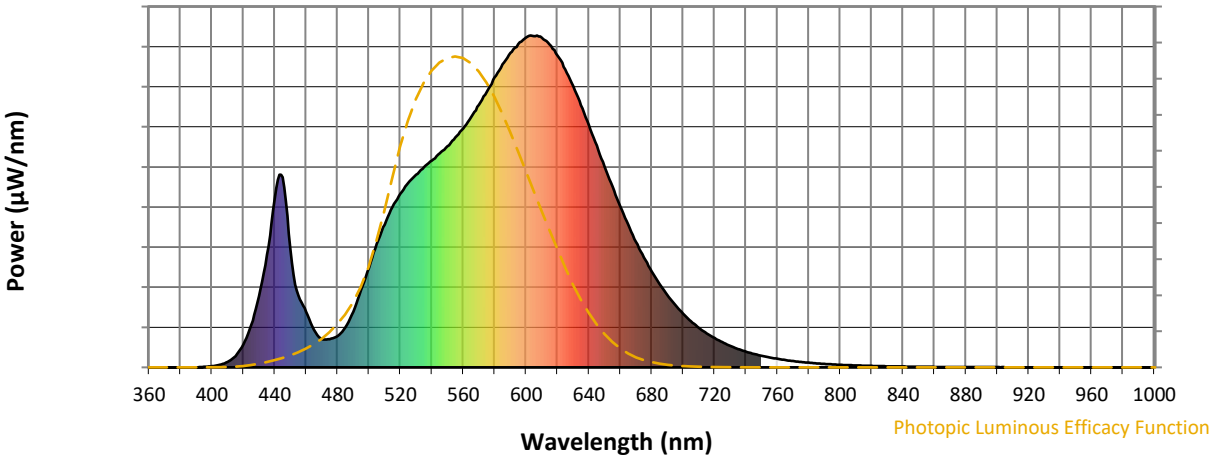


CCT = 3050K
CIE x = 0.4383
CIE y = 0.4131
Duv = 0.0034

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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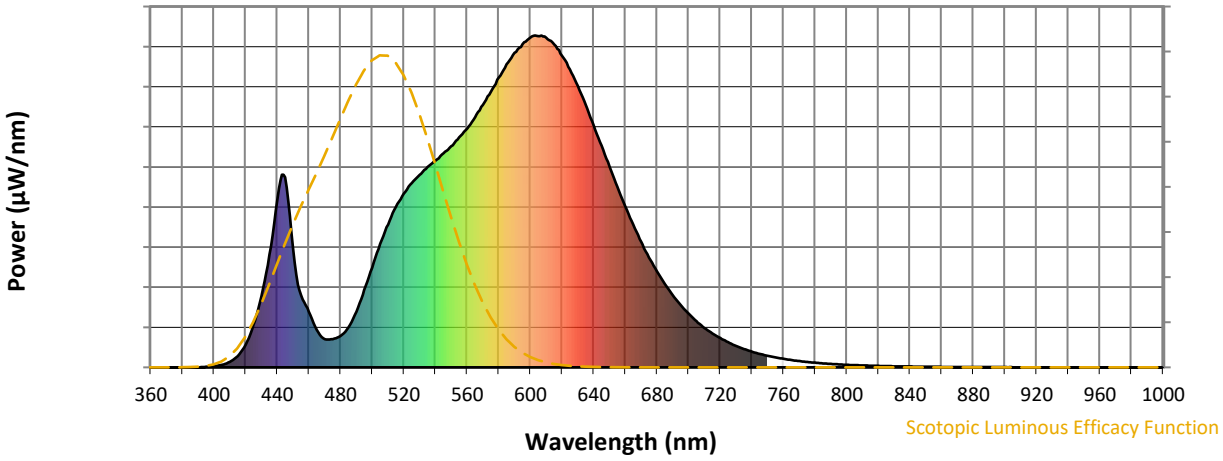
Scotopic Flux vs. Wavelength



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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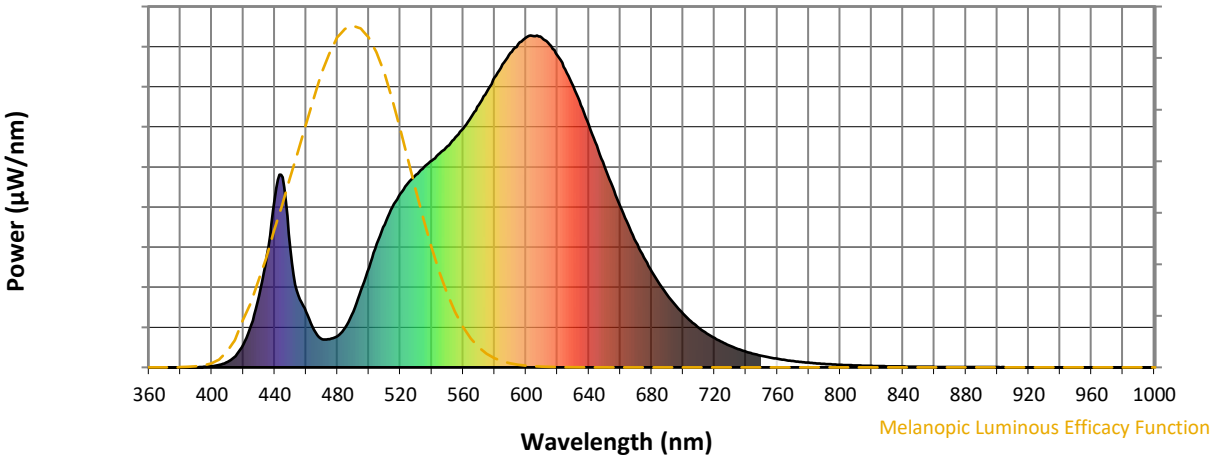
Melanopic Flux vs. Wavelength



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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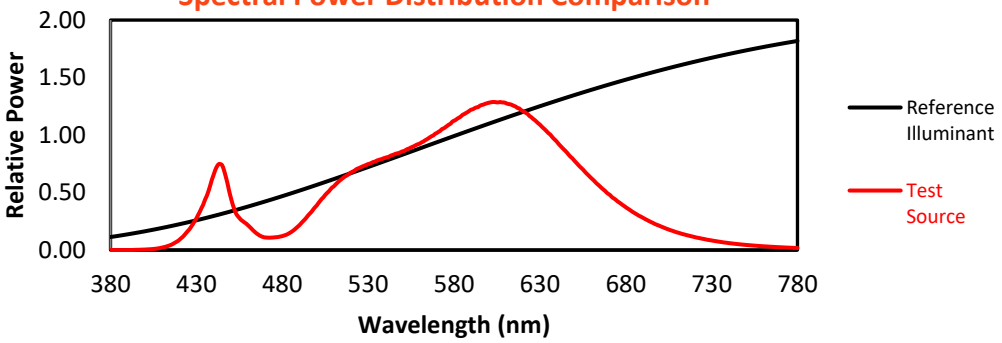
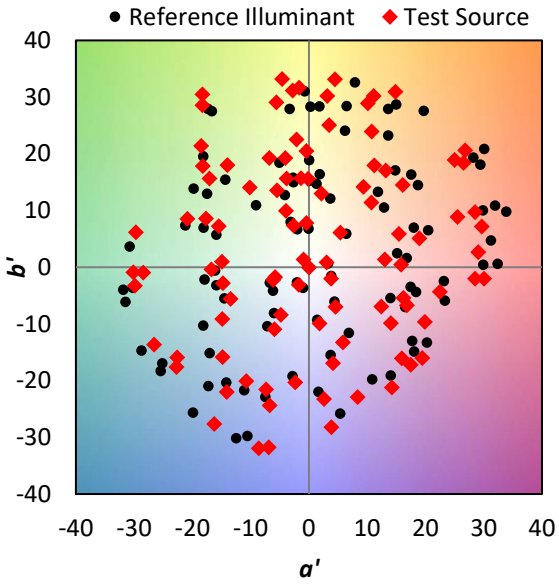
Summary

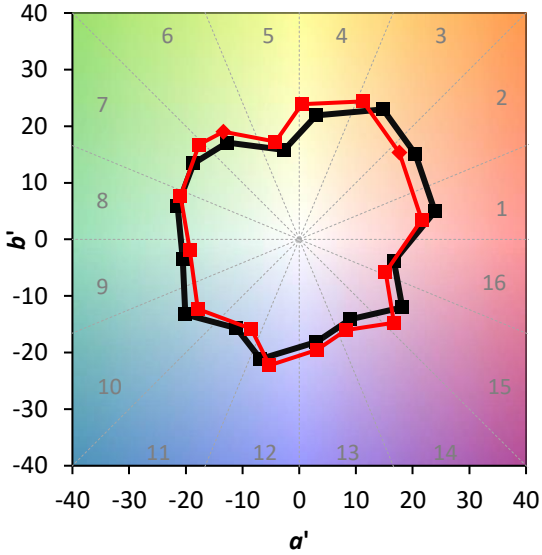
R_f = 81.5
R_g = 99.2
CIE R_a = 81.0
R_9 = 7.1

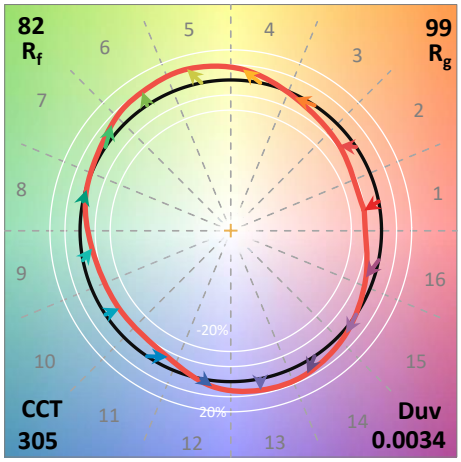
Spectral Power Distribution Comparison

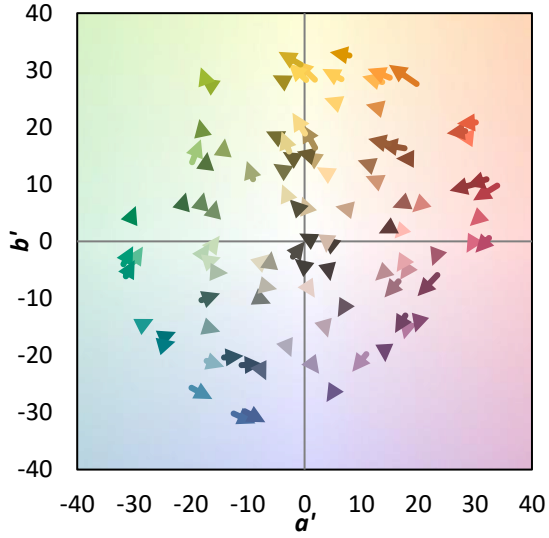


Color Vector Graphics









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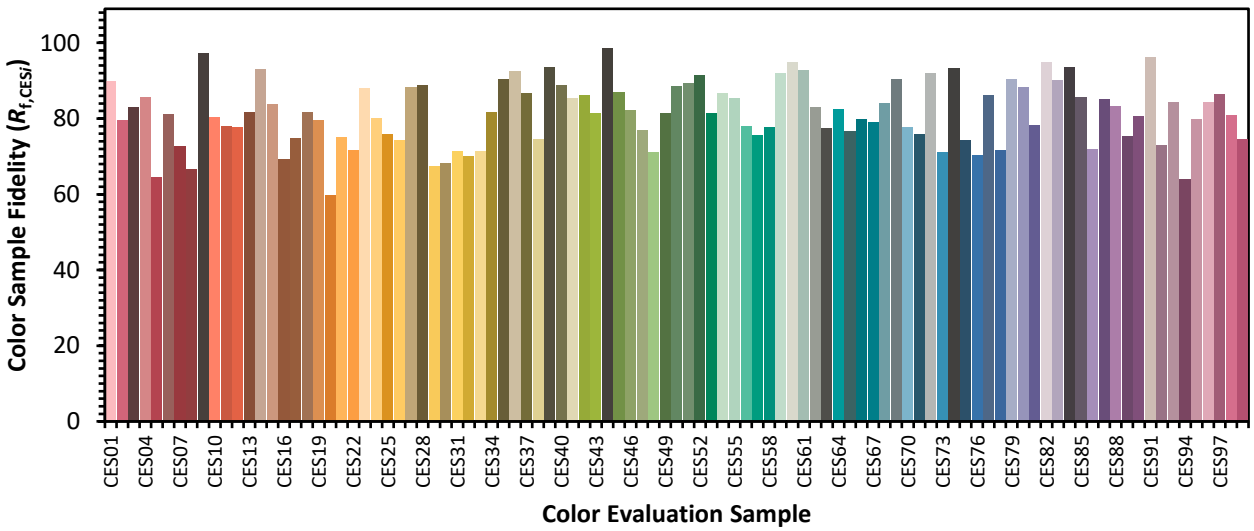
Individual Sample Fidelity Index ($R_{f,i}$)

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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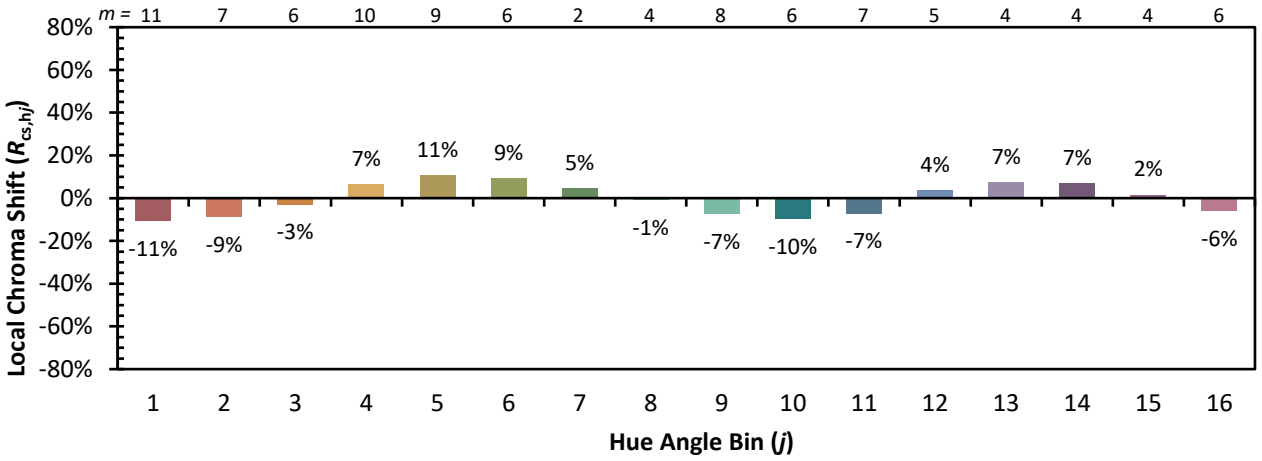
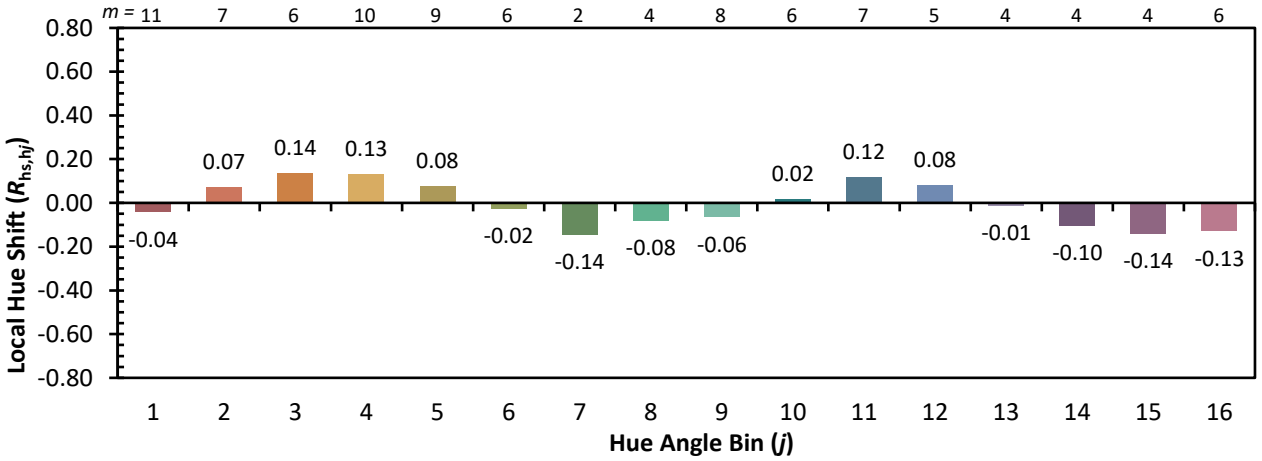
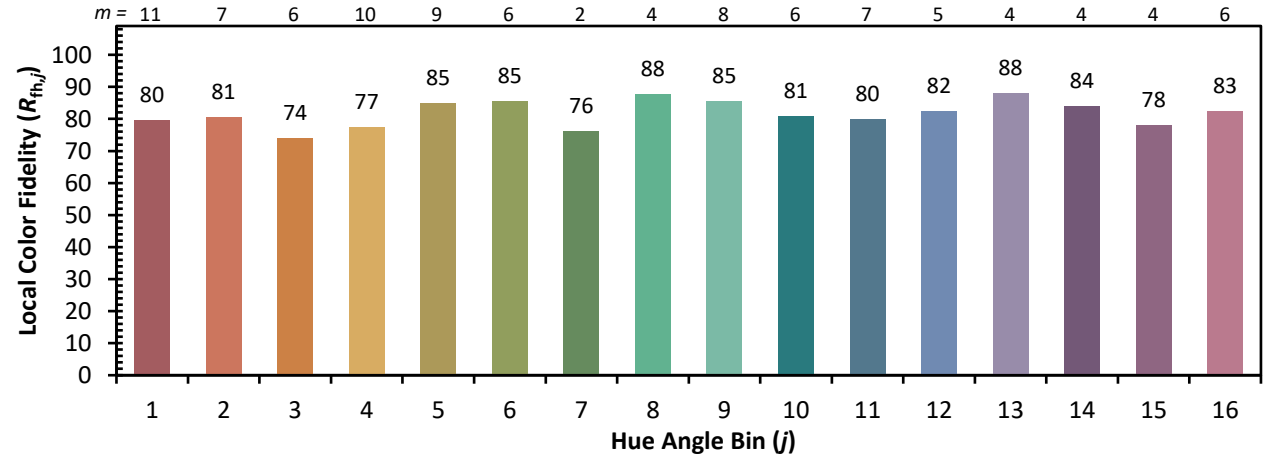
Color Rendition by Hue-Angle Bin







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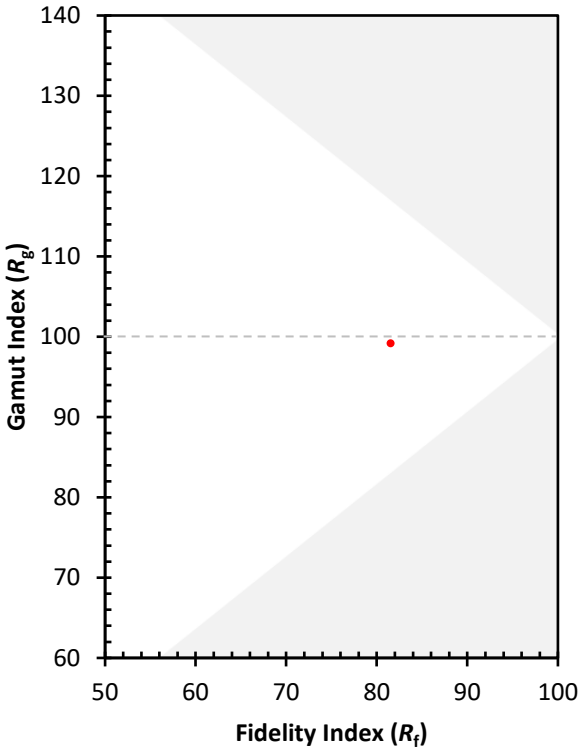
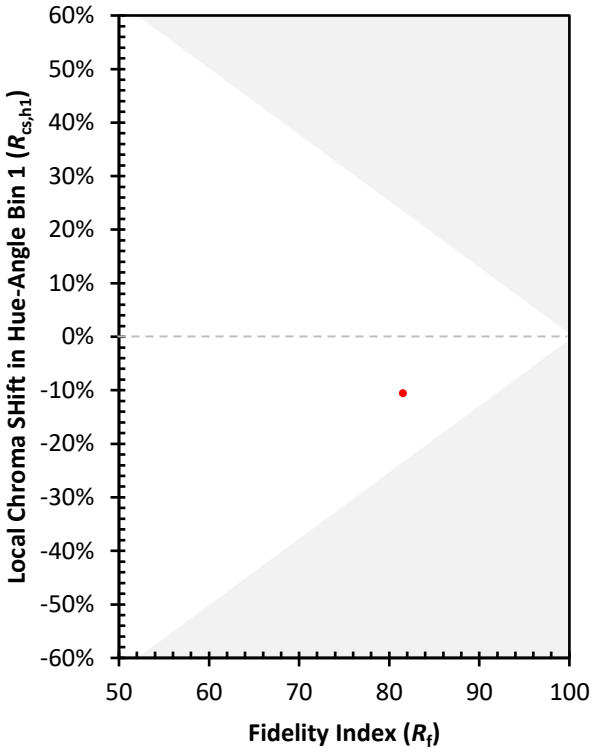
Measure Comparisons





(END OF REPORT)