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: P324945

Luminaire Tested: **GLEON-SA1A-830-U-AFL-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:	P324945
	TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-30)
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-AFL-HSS
Description:	GALLEON AREA AND ROADWAY LUMINAIRE
	(1) 80 CRI, 3000K, 615mA LIGHTSQUARE WITH 16 LEDS AND AUTOMOTIVE FRONTLINE OPTICS WITH HOUSE SIDE SHIELD
Light Source:	-
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	3174 lumens
Efficiency:	N/A
Efficacy:	93.4 lumens/watt
Luminous Opening:	Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification:	Type II - Short
BUG Rating:	B0 - U0 - G0

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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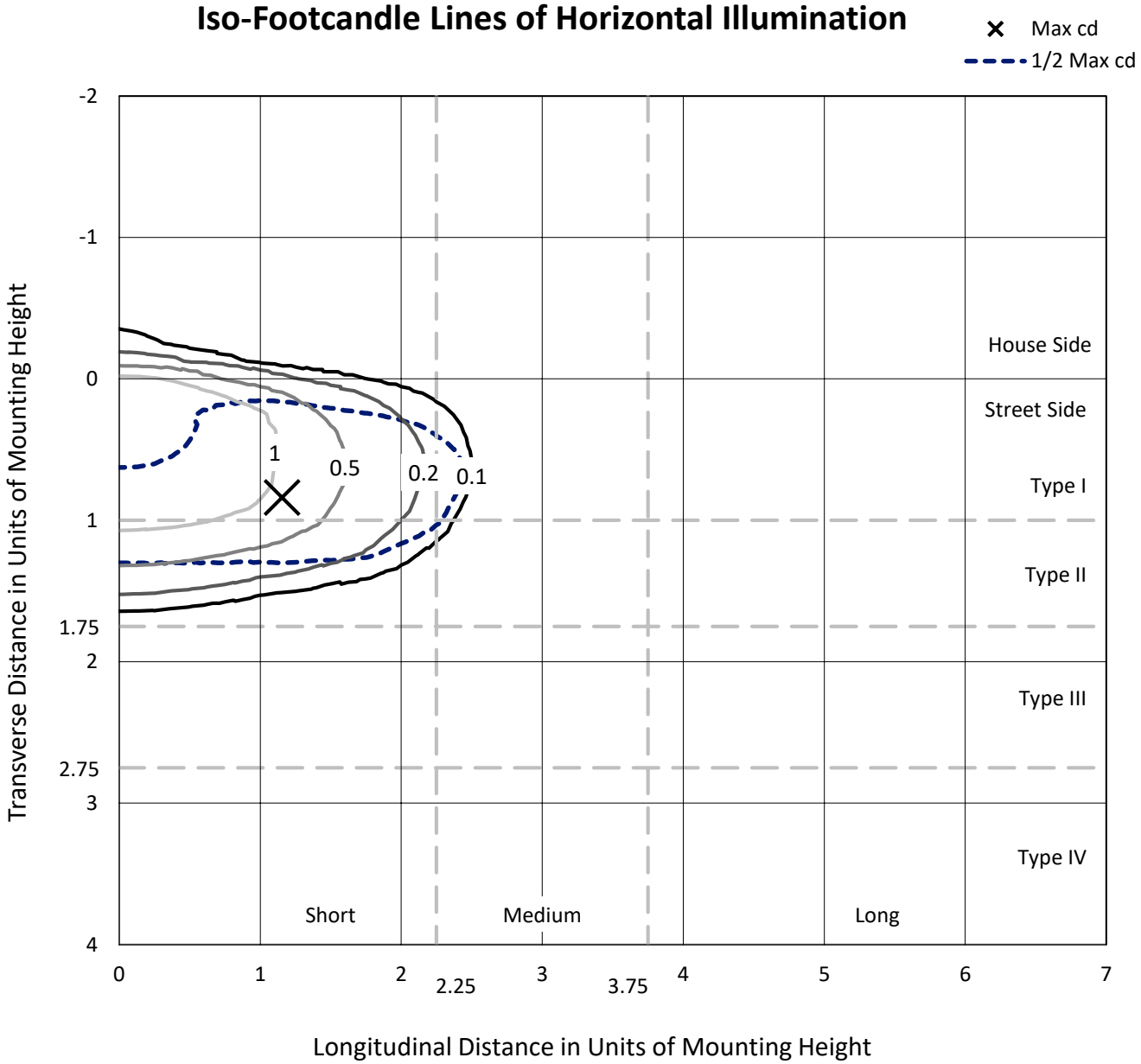
REPORT NUMBER: P324945
CATALOG NUMBER: GLEON-SA1A-830-U-AFL-HSS

Iso-Footcandle Lines of Horizontal Illumination



Based on 25 foot mounting height. Maximum calculated value = 1.7 fc
Type II - Short - N/A

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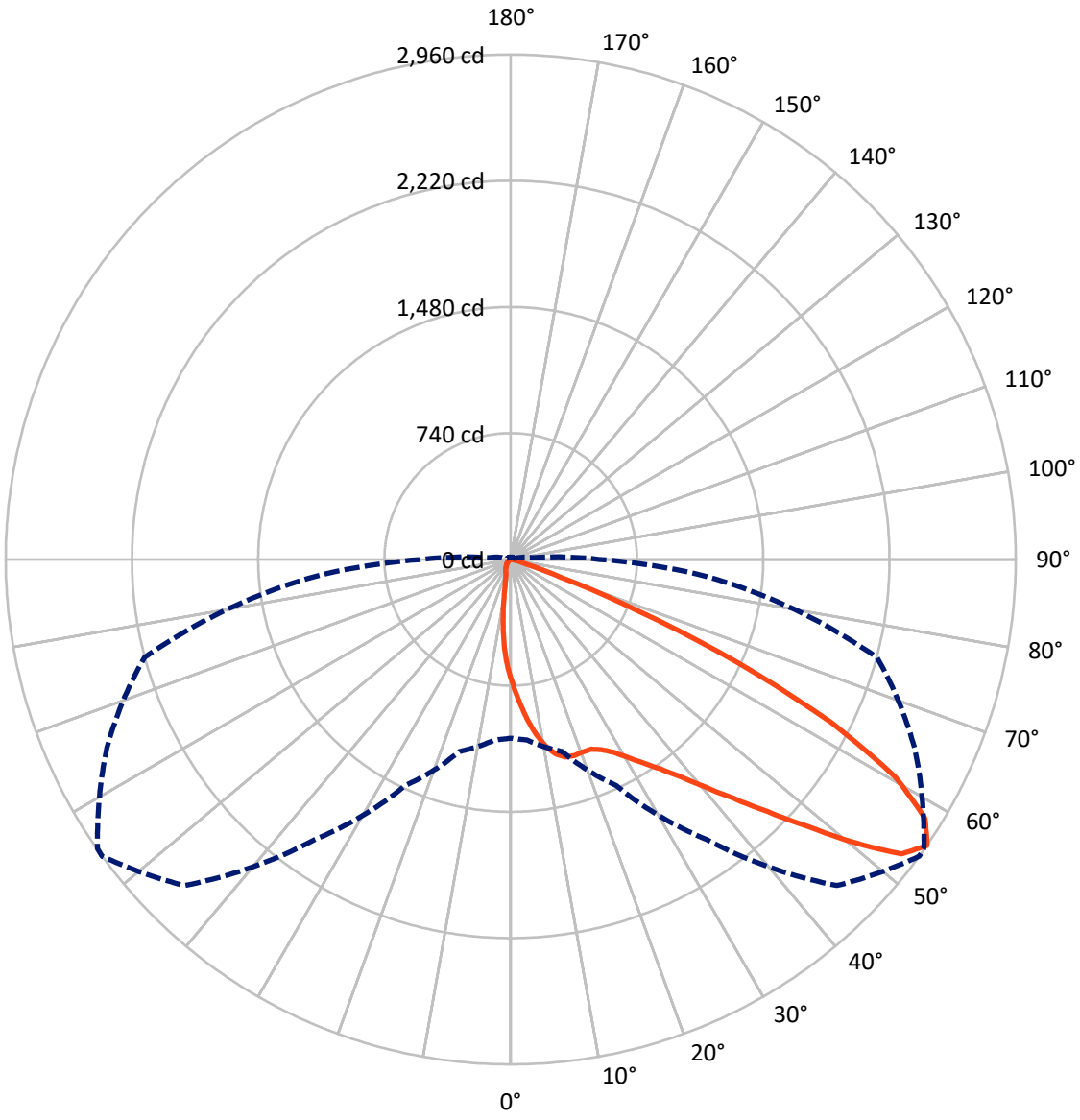
Luminous Intensity Polar Plot



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REPORT NUMBER: P324945
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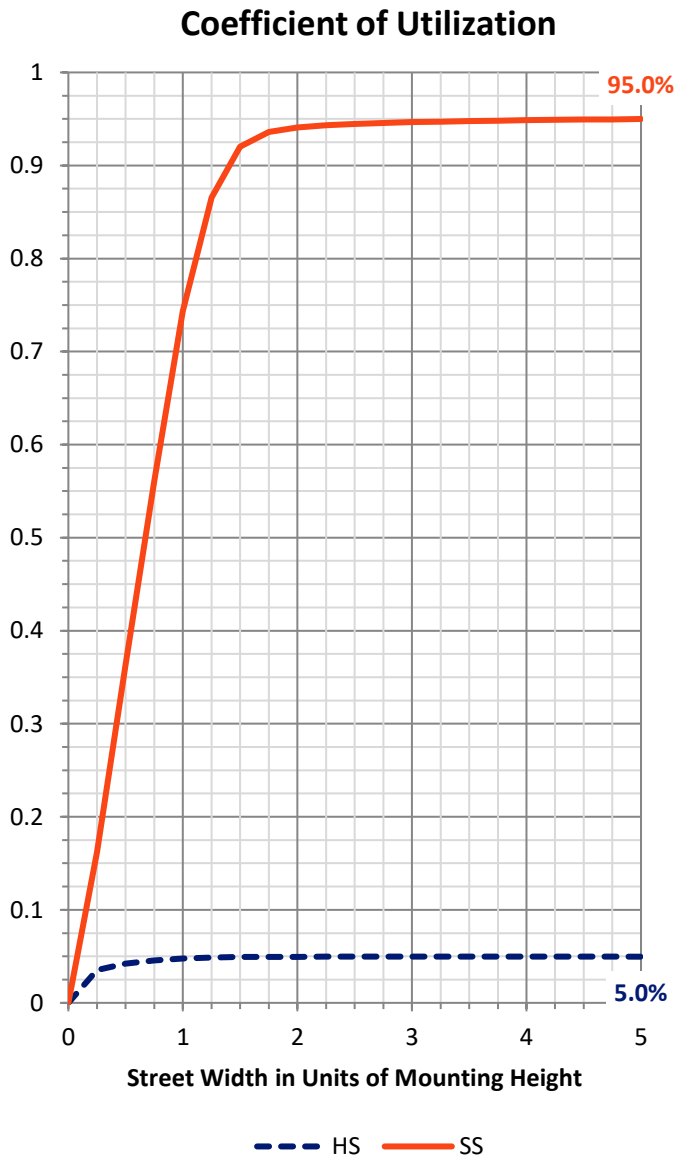
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	158.4	0.0	158.4
	% Fixture	5.0	0.0	5.0
Street Side	Lumens	3015.6	0.0	3015.6
	% Fixture	95.0	0.0	95.0
Total	Lumens	3174.0	0.0	3174.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	65.5	2.1
10°-20°	179.5	5.7
20°-30°	306.5	9.7
30°-40°	491.9	15.5
40°-50°	786.1	24.8
50°-60°	842.3	26.5
60°-70°	432.5	13.6
70°-80°	65.5	2.1
80°-90°	4.3	0.1
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°	3174.0	100.0
0°-180°	3174.0	100.0



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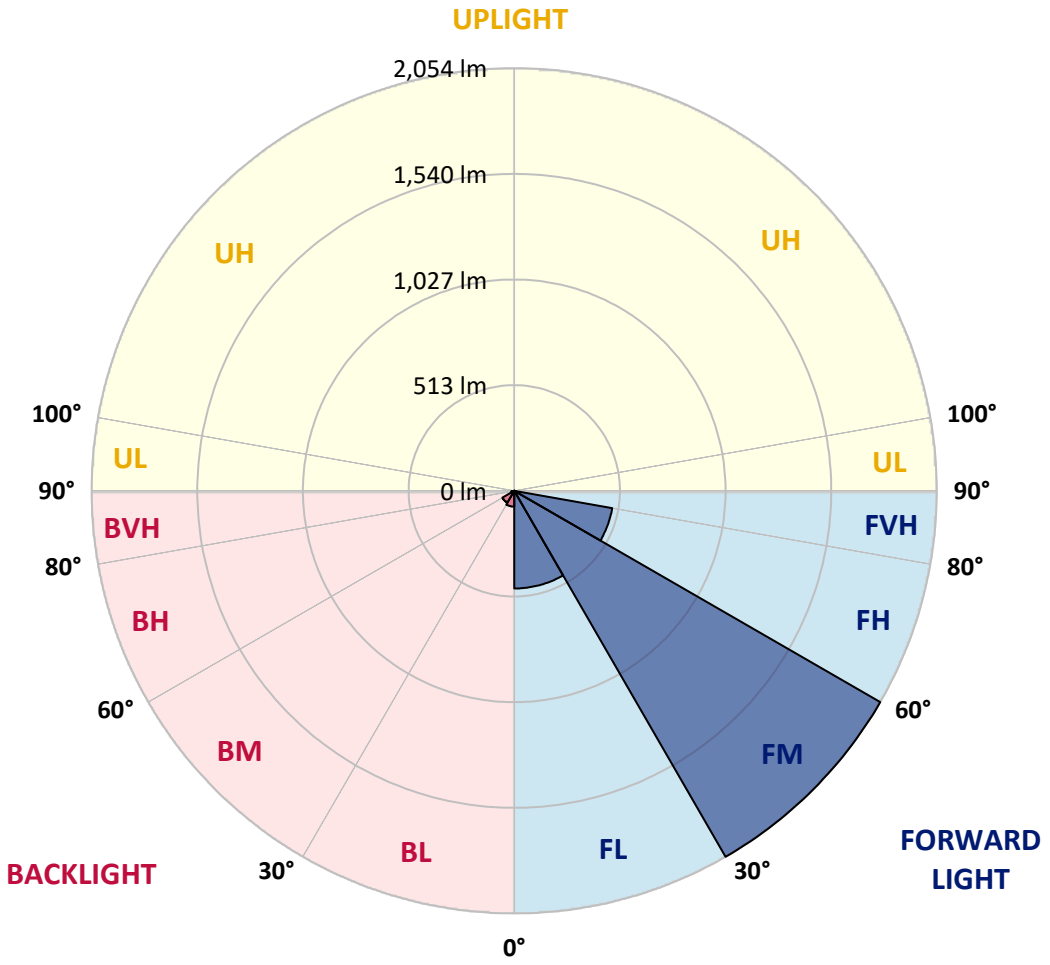
LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	474.5	14.9			
FM	(30°-60°)	2053.7	64.7			
FH	(60°-80°)	483.4	15.2			G0/660
FVH	(80°-90°)	4.1	0.1			G0/10
BL	(0°-30°)	77.0	2.4	B0/110		
BM	(30°-60°)	66.5	2.1	B0/220		
BH	(60°-80°)	14.6	0.5	B0/110		G0/110
BVH	(80°-90°)	0.2	0.0			G0/10
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B0-U0-G0
Type II Short



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REPORT NUMBER: P324945
CATALOG NUMBER: GLEON-SA1A-830-U-AFL-HSS

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	54°	55°	65°	75°	85°
0°	710.8	710.8	710.8	710.8	710.8	710.8	*710.8*	710.8	710.8	710.8	710.8
2.5°	892.1	878.8	879.2	873.1	851.1	833.8	*815.8*	811.6	783.6	754.3	726.1
5°	1046.3	1036.5	1034.2	1022.5	991.8	959.4	*924.5*	916.5	861.8	801.7	742.6
7.5°	1125.5	1125.6	1123.7	1119.5	1100.3	1068.7	*1026.2*	1017.7	943.3	853.3	759.9
10°	1102.5	1107.7	1118.4	1132.5	1147.1	1143.2	*1111.2*	1103.6	1022.7	907.8	779.1
12.5°	1048.7	1049.4	1061.3	1084.5	1126.7	1170.0	*1170.6*	1168.0	1098.5	964.8	800.2
15°	1022.0	1024.6	1029.0	1043.9	1084.0	1153.3	*1202.9*	1206.6	1168.0	1025.4	822.7
17.5°	1039.5	1043.2	1039.5	1041.3	1064.5	1126.9	*1208.6*	1218.0	1228.7	1085.3	843.9
20°	1087.1	1090.5	1084.0	1076.7	1081.2	1119.2	*1204.6*	1217.3	1276.3	1138.5	861.8
22.5°	1151.3	1152.6	1142.6	1130.7	1127.4	1145.2	*1207.9*	1221.0	1314.4	1186.6	873.0
25°	1221.8	1223.1	1210.6	1196.9	1189.1	1196.4	*1234.9*	1244.7	1348.0	1232.5	879.4
27.5°	1298.7	1299.8	1284.2	1267.4	1258.3	1258.6	*1279.4*	1290.0	1383.7	1284.9	884.7
30°	1380.0	1379.5	1365.1	1341.6	1330.1	1329.9	*1343.6*	1354.3	1435.5	1352.1	891.8
32.5°	1471.3	1470.2	1449.8	1420.7	1407.7	1409.6	*1421.8*	1428.0	1499.8	1423.6	904.5
35°	1591.5	1588.4	1557.5	1521.5	1497.5	1496.8	*1507.1*	1512.0	1581.8	1510.2	925.8
37.5°	1747.5	1744.6	1702.8	1650.5	1616.7	1604.1	*1616.3*	1622.6	1698.7	1621.4	959.9
40°	1901.3	1898.4	1873.6	1825.6	1773.7	1743.4	*1753.0*	1759.7	1844.7	1756.3	1002.9
42.5°	2007.4	2009.9	2018.5	2022.5	1973.8	1910.2	*1914.6*	1921.6	1998.1	1900.5	1052.2
45°	2035.4	2040.7	2089.5	2185.3	2203.5	2153.9	*2108.0*	2111.8	2153.9	2044.7	1101.4
47.5°	1951.3	1961.2	2055.4	2233.6	2387.9	2423.0	*2336.1*	2331.0	2303.5	2161.3	1136.3
50°	1760.4	1769.4	1891.4	2155.0	2443.8	2679.9	*2609.4*	2594.5	2434.6	2231.1	1148.7
52.5°	1484.1	1495.0	1594.1	1907.7	2338.4	2794.5	*2868.2*	2855.7	2530.9	2236.6	1150.7
55°	*1048.0*	*1061.3*	*1166.2*	*1462.1*	*2004.4*	*2703.3*	*2959.9*	*2956.2*	*2610.8*	*2222.1*	*1155.1*
57.5°	589.0	598.6	711.7	937.3	1468.0	2354.6	*2864.1*	2888.6	2659.0	2196.8	1161.7
60°	261.5	264.1	322.7	466.6	859.4	1799.5	*2589.8*	2631.2	2617.6	2163.1	1172.8
62.5°	145.0	142.8	142.8	194.0	373.5	1114.0	*2111.8*	2180.2	2441.0	2123.2	1173.3
65°	113.6	111.6	105.7	106.5	142.3	494.4	*1462.4*	1584.0	2105.4	2006.3	1133.8
67.5°	96.4	94.6	88.7	86.4	88.4	163.1	*803.5*	929.8	1597.6	1702.4	982.1
70°	81.4	80.2	77.2	74.3	69.1	80.6	*307.4*	393.3	984.4	1132.5	670.4
72.5°	65.5	65.0	66.1	63.6	57.3	53.7	*105.1*	127.3	442.2	505.4	276.2
75°	56.5	56.2	56.7	54.3	47.2	37.4	*53.5*	58.4	124.7	123.6	55.9
77.5°	36.7	37.1	47.0	45.9	40.6	24.9	*27.7*	29.9	37.8	28.4	17.0
80°	23.4	23.2	23.9	38.1	36.5	19.1	*13.8*	14.5	18.2	14.0	8.2
82.5°	14.3	14.0	15.6	17.8	18.4	13.3	*8.5*	8.6	11.4	9.0	4.4
85°	1.2	1.6	9.5	8.8	6.3	4.1	*4.1*	4.4	6.0	5.3	2.5
87.5°	0.0	0.0	1.6	2.5	1.4	1.5	*1.5*	1.6	2.3	2.3	1.2
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: P324945
CATALOG NUMBER: GLEON-SA1A-830-U-AFL-HSS

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	710.8	710.8	710.8	710.8	710.8	710.8	710.8	710.8	710.8	710.8	710.8
2.5°	711.4	697.1	668.4	640.7	617.2	594.6	568.8	543.3	531.4	526.6	521.7
5°	712.6	683.3	623.9	564.2	502.2	446.4	398.9	350.1	325.7	315.0	310.1
7.5°	714.3	669.6	573.6	473.3	373.5	297.9	231.8	189.3	170.9	168.0	160.9
10°	714.5	653.0	515.2	373.0	250.4	179.6	138.2	116.2	108.1	106.8	104.4
12.5°	715.1	633.4	450.4	276.2	167.0	120.1	99.9	92.7	90.5	90.3	90.3
15°	716.7	612.8	383.1	199.0	119.9	95.1	87.7	84.8	84.0	84.4	84.3
17.5°	716.7	588.6	317.0	148.3	96.9	85.5	81.4	79.5	79.2	79.6	79.8
20°	711.5	559.1	256.5	115.4	85.9	79.4	75.7	73.9	73.2	73.5	73.6
22.5°	699.1	522.9	207.1	95.5	78.7	73.7	69.8	67.0	65.9	66.1	66.1
25°	679.6	480.0	162.0	82.7	72.8	67.7	63.1	59.9	59.2	59.1	59.4
27.5°	654.6	432.6	129.0	72.8	65.8	61.0	56.3	53.7	53.2	53.3	53.5
30°	630.1	383.4	101.7	64.4	58.0	53.5	49.9	48.7	48.7	49.1	49.2
32.5°	607.6	336.1	80.5	57.2	51.0	46.9	44.8	44.7	45.4	45.6	45.8
35°	588.3	292.4	66.6	51.5	45.5	41.9	41.3	41.8	42.6	43.2	43.3
37.5°	574.6	253.3	58.3	46.9	41.3	38.4	38.2	39.3	40.4	41.7	41.9
40°	568.8	220.3	52.5	42.8	37.8	35.6	35.2	36.7	38.8	40.6	40.8
42.5°	564.0	193.3	47.6	38.8	35.1	31.9	31.8	33.7	36.2	38.0	38.4
45°	559.9	171.6	43.0	34.5	31.5	27.4	27.8	30.3	32.2	34.1	34.5
47.5°	551.4	153.8	38.1	30.0	26.0	23.4	24.3	26.5	28.0	30.8	31.3
50°	536.2	139.3	33.0	24.5	21.2	20.3	21.5	23.0	24.9	27.4	27.7
52.5°	525.9	128.3	28.6	20.6	17.5	17.8	19.1	19.6	20.7	21.7	21.4
55°	*520.0*	*122.3*	*25.1*	*17.8*	*14.9*	*15.8*	*16.0*	*15.4*	*14.8*	*13.8*	*13.4*
57.5°	519.4	116.8	22.3	15.5	13.2	13.6	12.6	10.3	8.4	7.3	7.0
60°	518.3	110.1	20.1	13.0	11.7	11.1	9.0	5.6	4.0	3.7	3.7
62.5°	506.3	99.7	18.5	11.0	9.9	8.4	5.2	2.6	2.2	2.3	2.3
65°	468.4	85.1	16.9	8.9	7.8	6.0	2.6	1.5	0.8	1.0	1.0
67.5°	398.2	67.8	15.1	6.9	5.9	3.8	1.5	0.7	0.0	0.0	0.0
70°	266.6	42.1	12.7	4.8	3.8	2.3	1.1	0.1	0.0	0.0	0.0
72.5°	102.3	22.8	10.3	2.9	2.5	1.6	0.7	0.0	0.0	0.0	0.0
75°	23.0	14.9	7.1	2.1	1.8	1.1	0.3	0.0	0.0	0.0	0.0
77.5°	8.8	10.8	4.1	1.4	1.2	0.7	0.0	0.0	0.0	0.0	0.0
80°	4.2	6.4	1.9	0.8	0.7	0.3	0.0	0.0	0.0	0.0	0.0
82.5°	2.2	2.5	0.8	0.4	0.3	0.0	0.0	0.0	0.0	0.0	0.0
85°	1.2	1.2	0.4	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.7	0.4	0.1	0.1	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

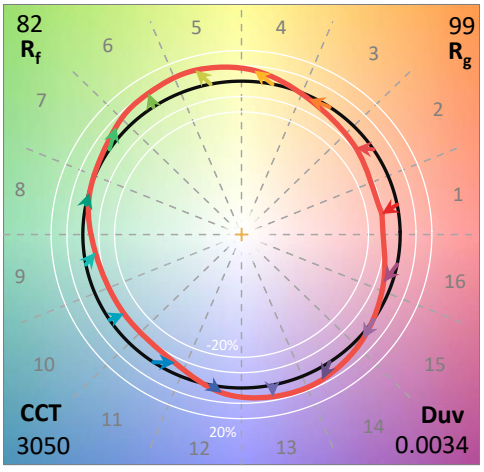
Test Information

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

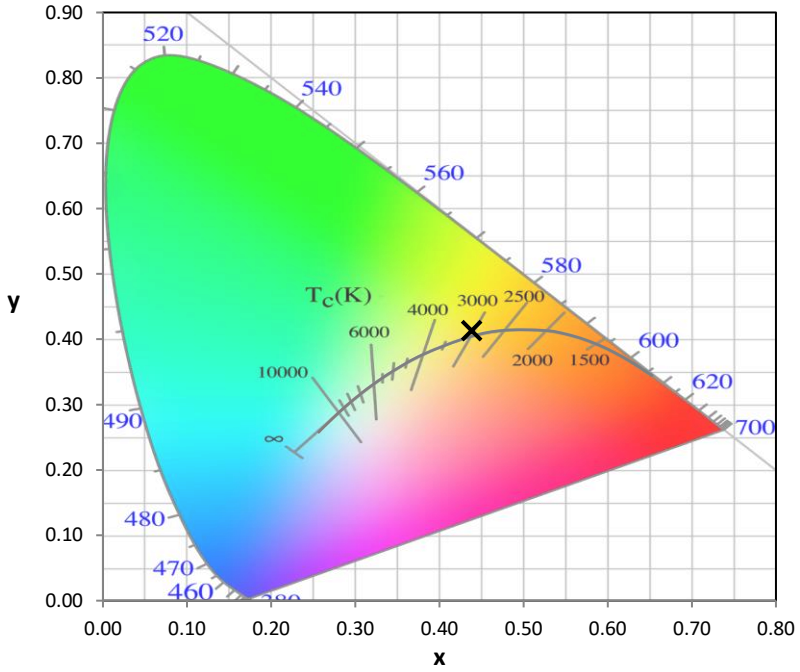
Stabilization Time:	20M
Operation Time:	1H 20M
Sphere Temperature (°C):	24.2

REPORT NUMBER: SP1-2408-195-9

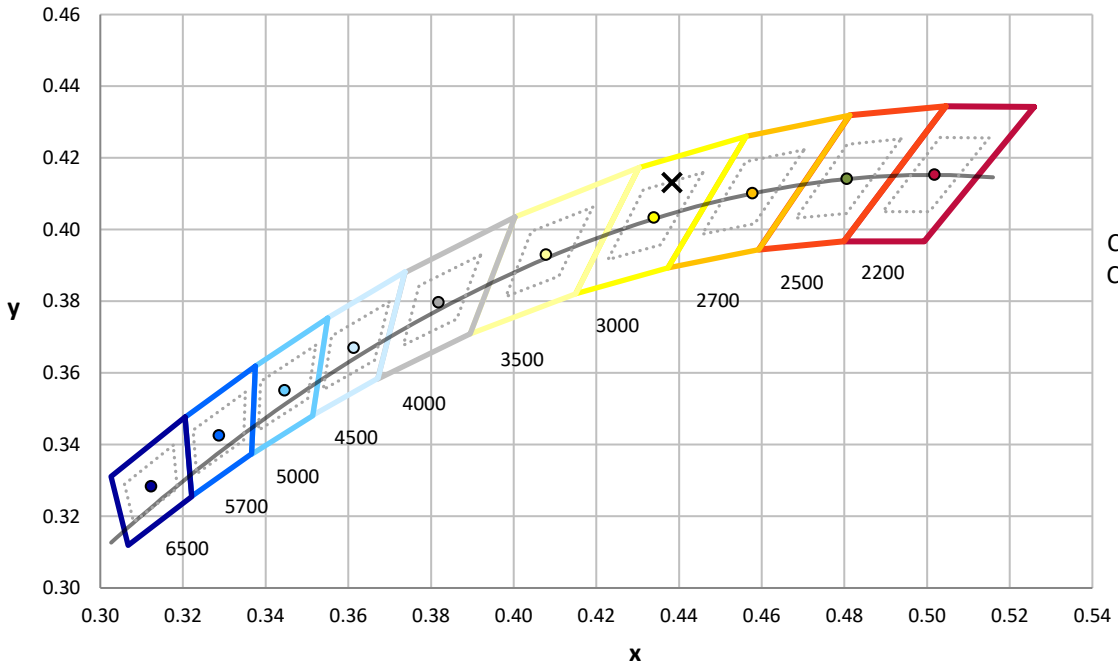
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

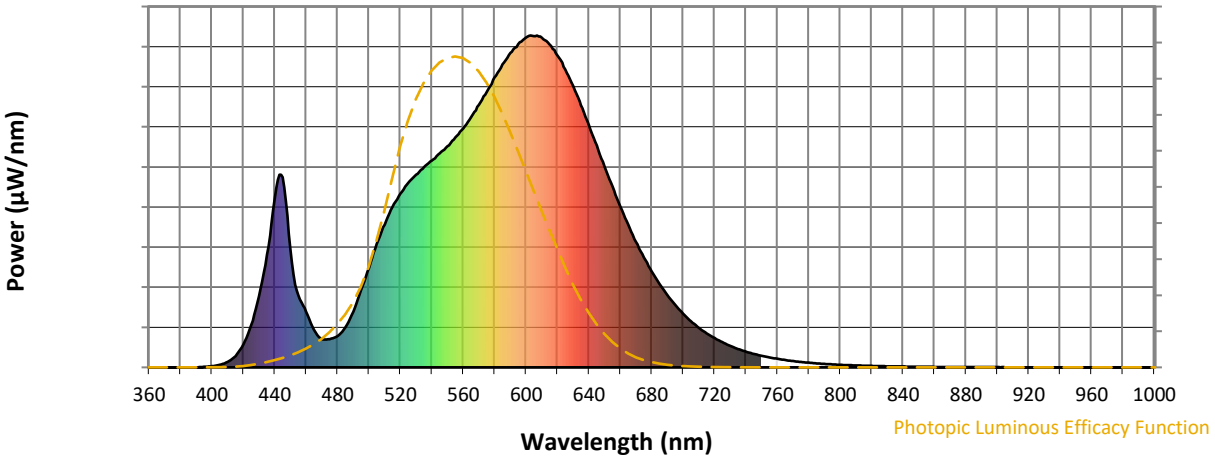


CCT = 3050K
CIE x = 0.4383
CIE y = 0.4131
Duv = 0.0034

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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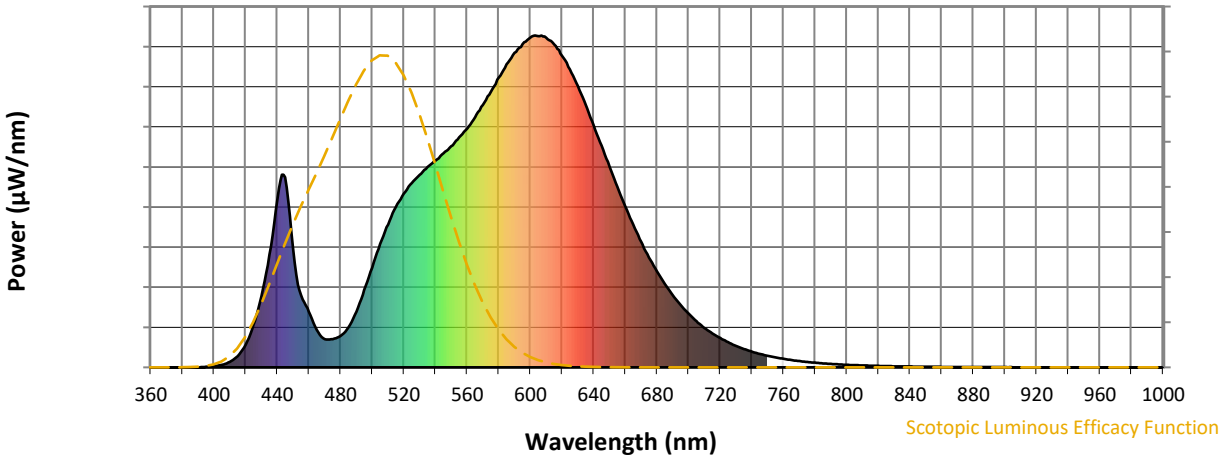
Scotopic Flux vs. Wavelength



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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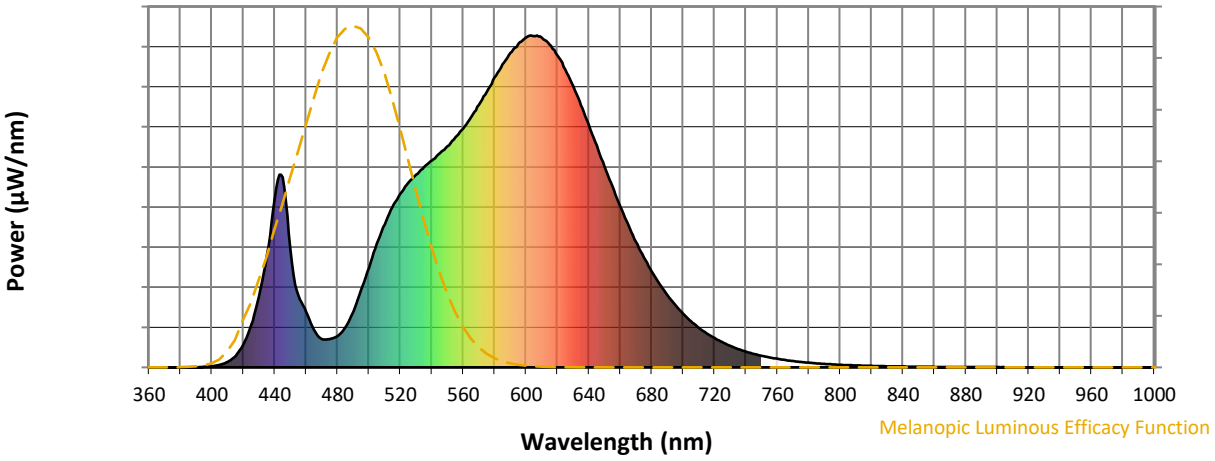
Melanopic Flux vs. Wavelength



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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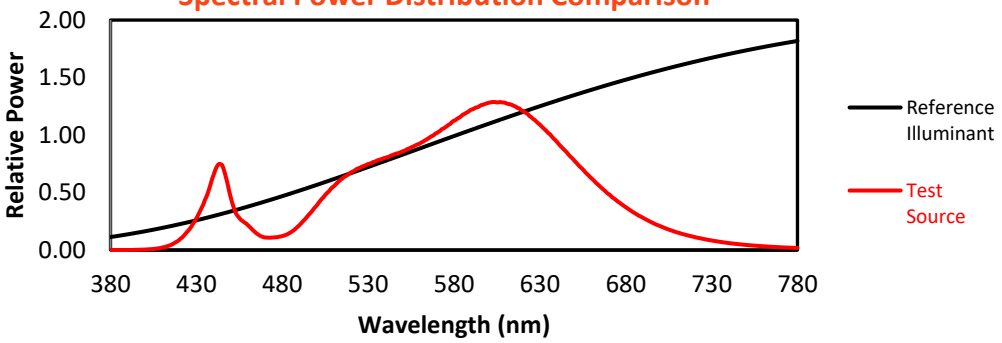
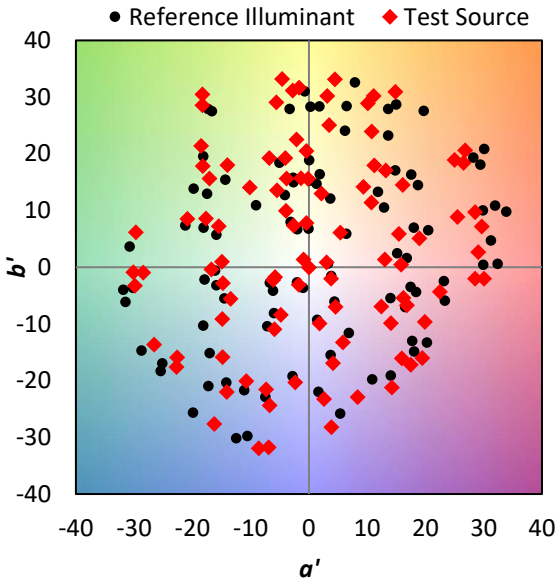
Summary

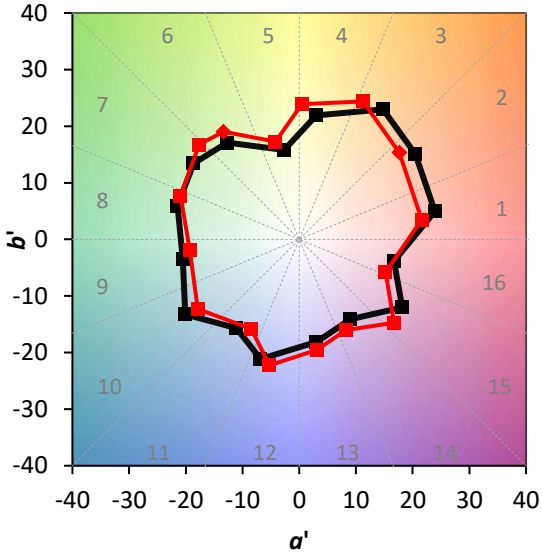
R_f = 81.5
R_g = 99.2
CIE R_a = 81.0
R_9 = 7.1

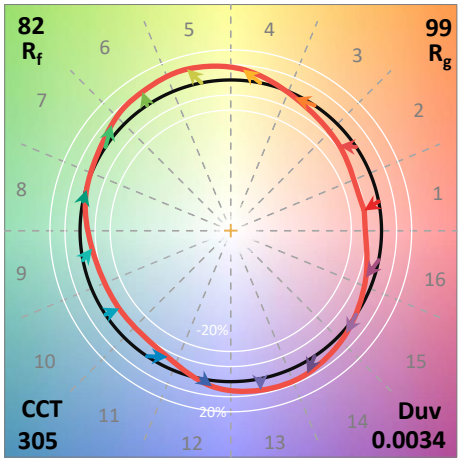
Spectral Power Distribution Comparison

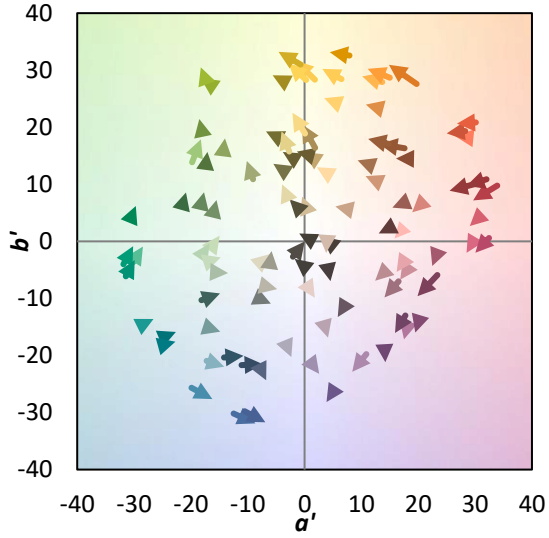


Color Vector Graphics









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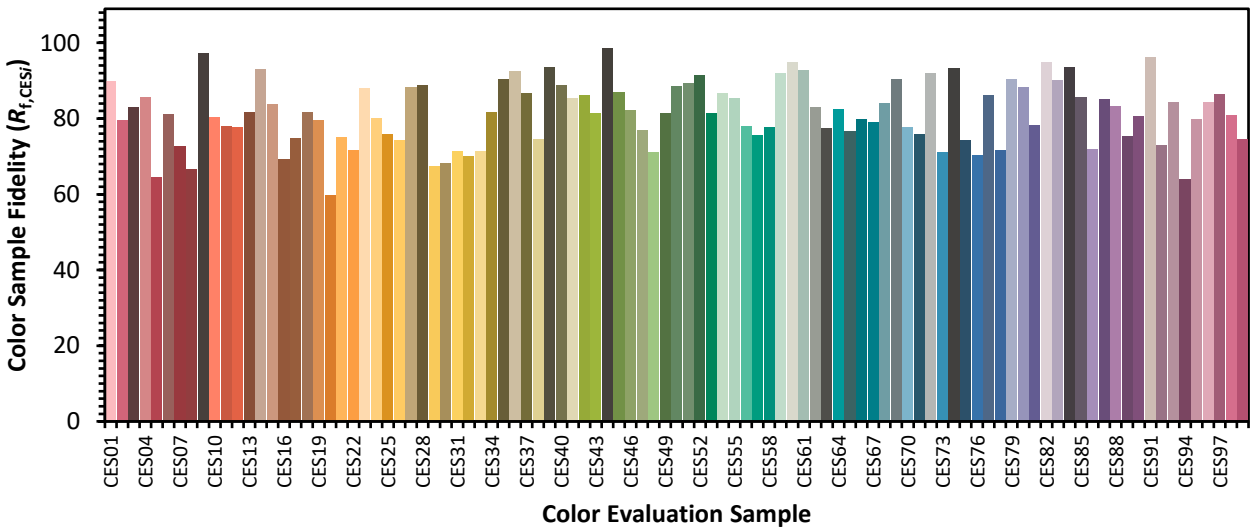
Individual Sample Fidelity Index ($R_{f,i}$)

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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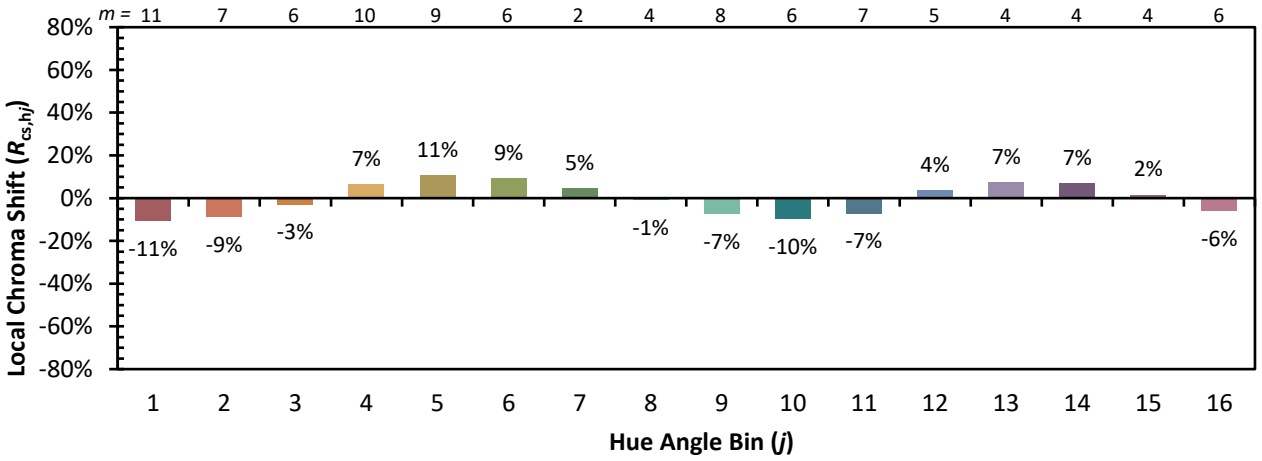
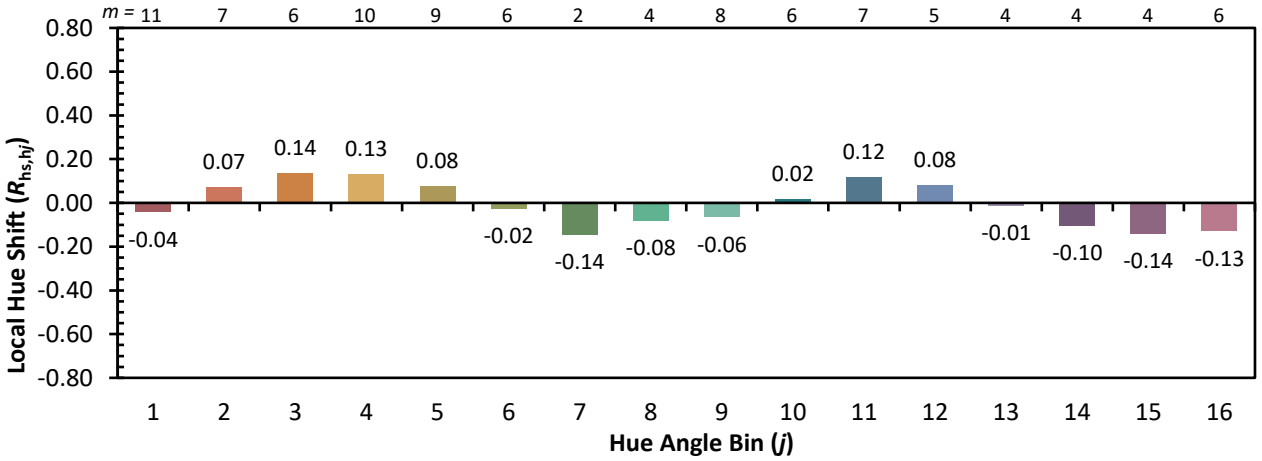
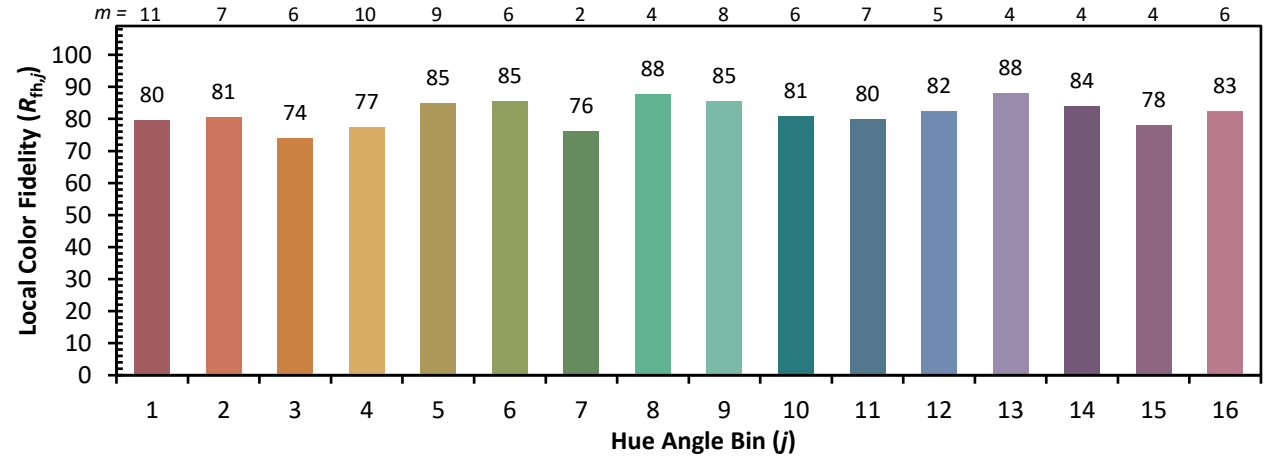
Color Rendition by Hue-Angle Bin







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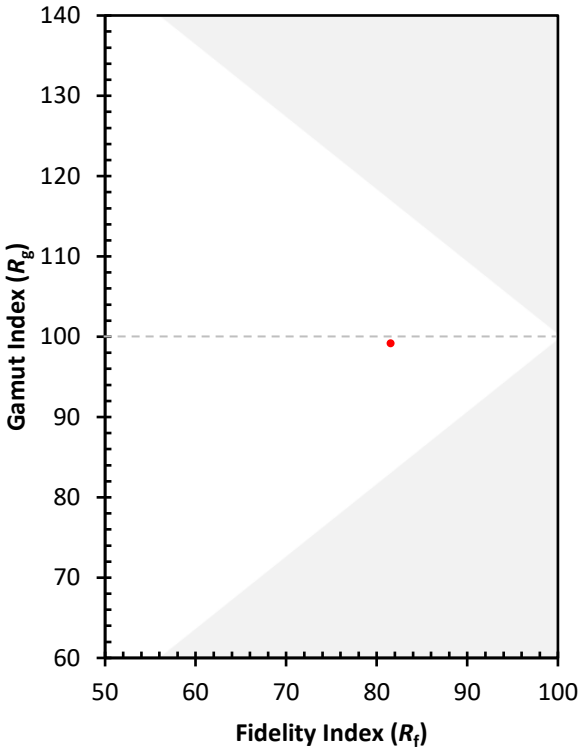
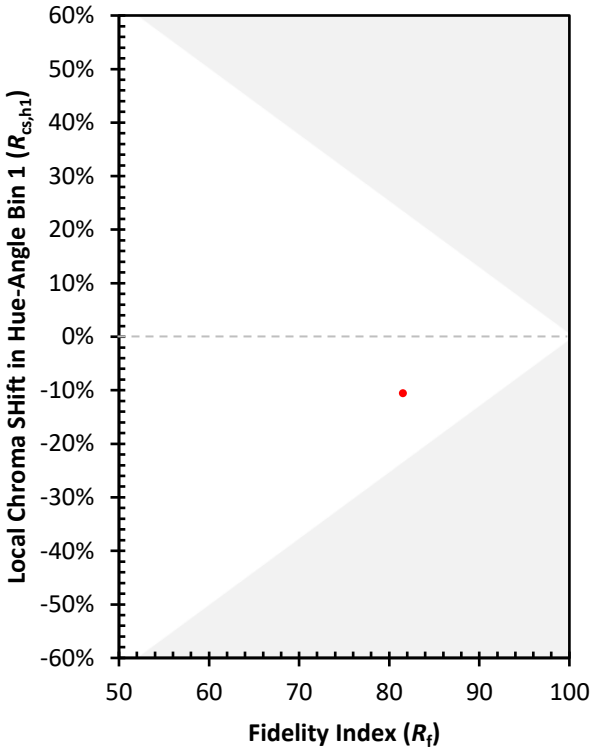
Measure Comparisons





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