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: P317925

Luminaire Tested: **GLEON-SA1C-830-U-T3R**

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:	P317925
	TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-10)
Test Lab:	INNOVATION CENTER
Issue Date:	3/3/2020
Manufacturer:	COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line:	McGRAW-EDISON
Catalog Number:	GLEON-SA1C-830-U-T3R
Description:	GALLEON AREA AND ROADWAY LUMINAIRE
	(1) 80 CRI, 3000K, 1050mA LIGHTSQUARE WITH 16 LEDS AND TYPE III ROADWAY OPTICS
Light Source:	-
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	6016 lumens
Efficiency:	N/A
Efficacy:	102.0 lumens/watt
Luminous Opening:	Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification:	Type IV - Medium
BUG Rating:	B1 - U0 - G2

Input Watts (W):	59
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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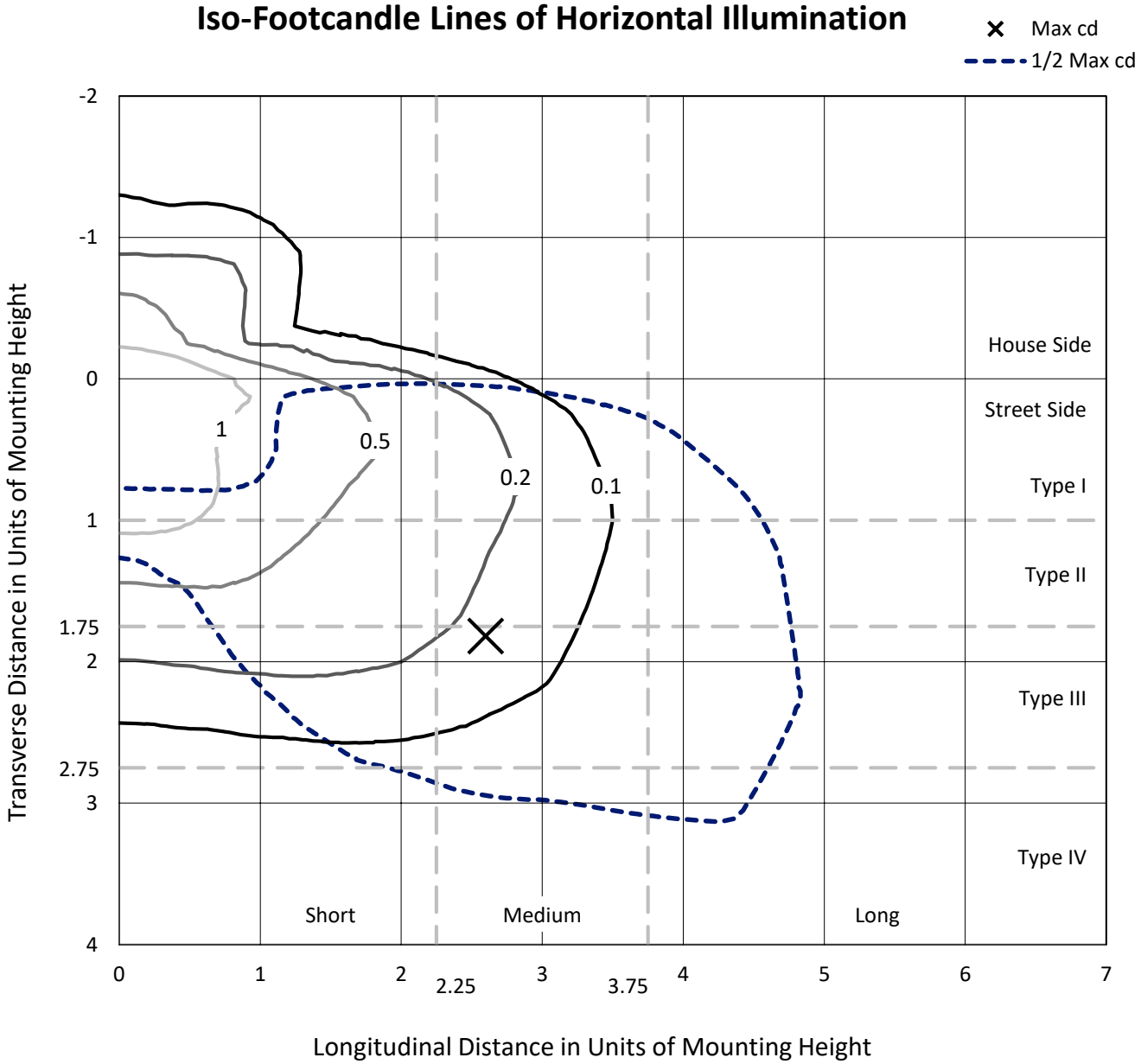
REPORT NUMBER: P317925
CATALOG NUMBER: GLEON-SA1C-830-U-T3R

Iso-Footcandle Lines of Horizontal Illumination



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

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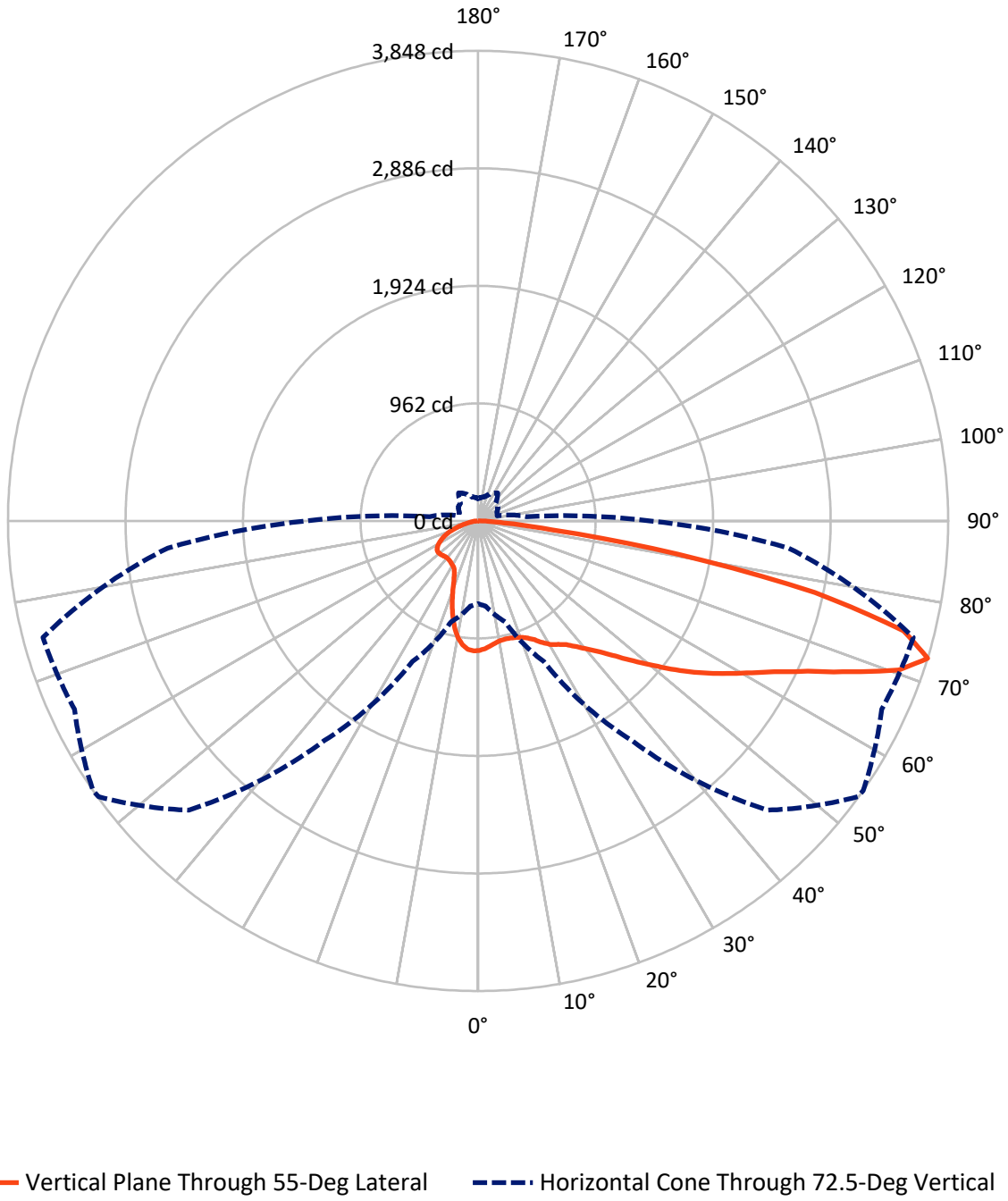
Luminous Intensity Polar Plot



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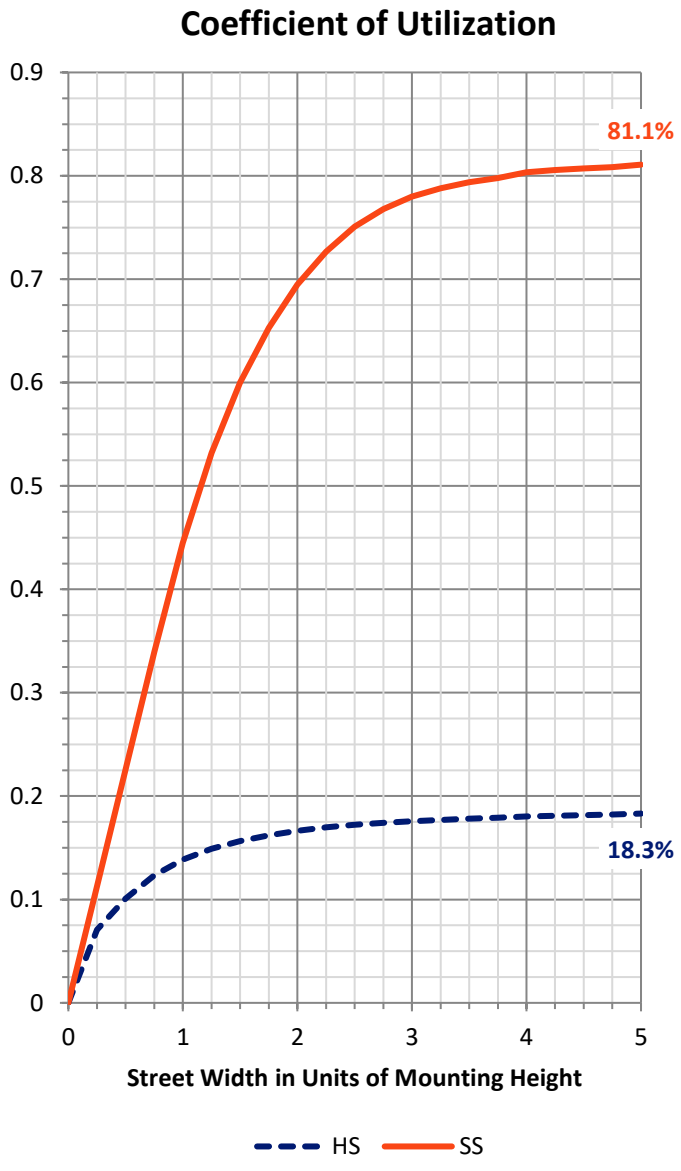
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1118.2	0.0	1118.2
	% Fixture	18.6	0.0	18.6
Street Side	Lumens	4897.8	0.0	4897.8
	% Fixture	81.4	0.0	81.4
Total	Lumens	6016.0	0.0	6016.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	96.0	1.6
10°-20°	255.6	4.2
20°-30°	421.5	7.0
30°-40°	623.5	10.4
40°-50°	870.2	14.5
50°-60°	1133.1	18.8
60°-70°	1392.5	23.1
70°-80°	1091.5	18.1
80°-90°	132.1	2.2
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°	6016.0	100.0
0°-180°	6016.0	100.0



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REPORT NUMBER: P317925
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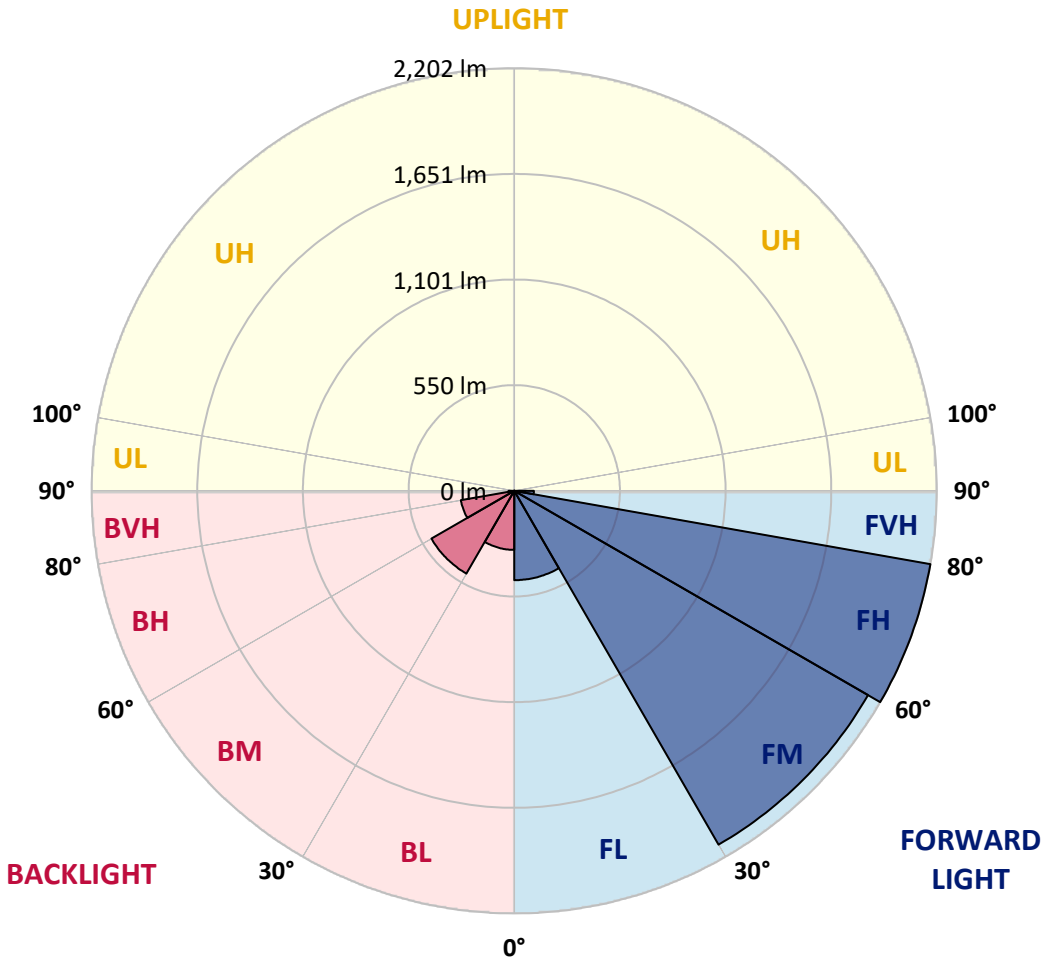
LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	465.5	7.7			
FM	(30°-60°)	2128.6	35.4			
FH	(60°-80°)	2201.7	36.6			G2/5000
FVH	(80°-90°)	102.1	1.7			G2/225
BL	(0°-30°)	307.7	5.1	B1/500		
BM	(30°-60°)	498.2	8.3	B1/1000		
BH	(60°-80°)	282.4	4.7	B1/500		G1/500
BVH	(80°-90°)	30.0	0.5			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 Medium



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Scaled Data Report

REPORT NUMBER: P317925
CATALOG NUMBER: GLEON-SA1C-830-U-T3R

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	54°	55°	65°	75°	85°
0°	1061.1	1061.1	1061.1	1061.1	1061.1	1061.1	1061.1	1061.1	1061.1	1061.1	1061.1
2.5°	1026.5	1024.1	1027.2	1031.4	1036.1	1042.4	1046.1	1047.7	1054.0	1056.4	1061.7
5°	979.0	977.8	982.9	990.2	1000.5	1015.2	1027.0	1029.2	1045.9	1057.6	1068.4
7.5°	944.5	944.5	950.4	959.1	970.7	990.4	1007.0	1010.1	1038.3	1063.7	1083.6
10°	917.0	918.0	925.0	935.3	948.9	969.9	992.0	995.5	1036.3	1078.0	1109.7
12.5°	898.7	901.2	907.5	916.8	933.7	959.1	987.1	991.8	1040.6	1098.3	1140.9
15°	910.3	914.4	915.0	918.9	928.2	955.8	990.0	994.9	1049.7	1119.0	1176.5
17.5°	961.1	962.5	956.2	948.1	943.6	961.3	998.5	1003.6	1060.7	1139.5	1210.6
20°	1038.3	1037.5	1023.9	1002.0	979.2	982.0	1012.5	1017.8	1075.5	1157.6	1244.8
22.5°	1135.9	1133.0	1112.1	1071.7	1032.8	1016.6	1037.1	1041.6	1097.9	1183.4	1281.4
25°	1254.1	1247.8	1220.2	1165.9	1108.8	1067.0	1074.1	1078.4	1130.4	1212.3	1314.9
27.5°	1378.9	1372.6	1337.4	1271.8	1195.8	1130.6	1125.1	1128.8	1167.4	1233.6	1339.7
30°	1509.3	1502.6	1470.5	1397.0	1288.1	1196.4	1172.6	1174.1	1193.4	1245.2	1360.0
32.5°	1640.4	1634.1	1598.1	1512.8	1388.2	1267.1	1207.0	1205.2	1209.0	1257.2	1383.0
35°	1773.3	1775.7	1733.7	1639.2	1499.2	1345.8	1247.6	1243.8	1235.2	1281.8	1415.5
37.5°	1915.5	1913.9	1859.5	1760.7	1615.2	1431.1	1305.9	1305.3	1275.9	1328.3	1466.5
40°	2010.6	2011.6	1978.5	1885.1	1732.5	1525.6	1380.7	1379.3	1340.7	1398.0	1533.3
42.5°	2047.8	2054.5	2063.1	2003.7	1855.2	1635.1	1469.9	1467.9	1431.1	1498.0	1612.0
45°	2050.5	2063.9	2116.7	2109.2	1979.5	1760.5	1583.9	1578.2	1551.8	1630.9	1705.8
47.5°	2027.7	2041.5	2129.3	2172.0	2090.7	1892.8	1717.2	1712.7	1690.0	1797.1	1807.4
50°	1977.9	1991.1	2103.3	2202.7	2182.1	2020.0	1870.8	1859.0	1846.9	1989.1	1923.7
52.5°	1884.6	1910.0	2068.5	2210.0	2236.8	2133.0	2032.4	2024.7	2031.4	2191.7	2040.1
55°	1663.8	1692.2	1978.9	2203.9	2277.2	2227.8	2193.9	2193.5	2228.3	2404.2	2165.1
57.5°	1540.0	1560.1	1796.5	2193.5	2325.2	2322.1	2353.8	2357.7	2425.4	2635.7	2295.9
60°	1470.1	1491.3	1704.0	2155.1	2399.5	2444.0	2517.0	2524.7	2625.7	2891.9	2453.4
62.5°	1406.5	1429.7	1646.7	2076.9	2487.1	2618.4	2712.5	2719.4	2837.8	3155.2	2605.6
65°	1297.8	1324.0	1562.8	2025.5	2566.8	2845.8	2961.0	2965.7	3081.5	3431.2	2722.0
67.5°	1144.2	1168.2	1404.5	1911.9	2625.7	3121.9	3291.4	3294.0	3323.1	3626.0	2781.6
70°	964.8	973.9	1178.9	1677.4	2556.0	3380.2	3653.5	3654.1	3543.3	3750.8	2771.8
72.5°	677.9	699.4	855.9	1269.8	2196.6	3348.7	3841.4	3848.3	3645.8	3687.8	2550.3
75°	415.7	438.5	536.8	769.5	1393.5	2633.6	3549.2	3597.2	3453.7	3288.1	2083.4
77.5°	278.0	286.5	350.3	448.7	631.3	1515.2	2728.7	2818.9	2869.1	2397.9	1332.4
80°	155.0	171.3	232.3	278.8	280.8	602.1	1636.1	1657.3	1596.3	954.8	411.1
82.5°	82.1	91.0	155.0	163.8	153.2	201.6	609.8	610.4	510.0	256.0	122.1
85°	63.6	71.1	106.3	100.0	78.2	89.4	201.2	212.1	173.5	104.8	39.8
87.5°	31.7	39.4	72.1	63.4	30.7	25.6	71.9	76.8	68.5	41.0	14.4
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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REPORT NUMBER: P317925
CATALOG NUMBER: GLEON-SA1C-830-U-T3R

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1061.1	1061.1	1061.1	1061.1	1061.1	1061.1	1061.1	1061.1	1061.1	1061.1	1061.1
2.5°	1063.7	1065.6	1067.8	1065.4	1064.5	1061.3	1055.8	1054.6	1051.7	1051.9	1053.6
5°	1073.1	1076.1	1074.9	1065.6	1054.4	1038.7	1022.5	1008.7	999.5	998.9	998.3
7.5°	1091.0	1093.0	1083.4	1056.8	1025.5	989.4	955.2	925.4	907.3	902.8	901.8
10°	1119.0	1118.6	1092.4	1038.7	976.4	911.7	856.9	815.4	791.2	784.1	782.3
12.5°	1150.3	1145.6	1095.4	1005.8	906.9	817.3	747.8	701.6	676.4	668.3	666.3
15°	1182.6	1171.0	1087.9	956.6	821.5	715.5	642.5	599.8	586.2	581.8	580.9
17.5°	1212.7	1190.3	1066.4	890.0	724.2	614.1	557.2	540.1	543.3	549.2	549.4
20°	1242.1	1203.3	1031.8	805.9	621.6	530.5	511.2	523.8	539.3	551.3	552.9
22.5°	1271.2	1212.5	987.3	708.7	529.7	483.6	497.2	520.2	537.9	550.9	553.1
25°	1295.6	1214.7	926.0	605.1	465.9	465.9	490.5	512.3	529.7	542.5	544.8
27.5°	1304.5	1199.7	839.4	509.2	433.8	457.8	481.2	499.3	514.1	527.7	530.1
30°	1308.0	1171.8	739.4	432.2	420.6	449.1	468.6	484.0	498.0	510.8	513.1
32.5°	1308.6	1138.3	633.4	388.5	411.5	439.9	452.9	466.5	481.6	486.7	487.5
35°	1312.4	1098.7	521.6	366.2	402.9	431.4	441.7	451.5	427.1	428.9	430.6
37.5°	1323.6	1059.5	428.1	353.6	397.5	426.9	439.3	404.0	384.9	380.4	379.8
40°	1344.6	1017.6	358.8	343.4	395.4	429.2	423.7	377.1	344.2	319.6	316.0
42.5°	1373.6	972.5	314.5	336.7	396.8	439.9	401.9	351.3	296.7	280.8	278.8
45°	1406.3	925.2	290.6	332.0	401.7	448.3	397.5	317.0	274.5	262.5	261.5
47.5°	1438.0	867.2	278.2	330.0	408.4	441.5	378.6	306.4	264.0	257.7	258.3
50°	1474.4	815.0	270.7	327.8	414.3	437.3	357.2	300.9	259.9	267.6	275.7
52.5°	1505.1	761.0	264.0	323.3	416.6	429.8	351.7	302.0	259.9	274.7	282.4
55°	1541.4	720.1	256.2	313.9	412.3	408.4	347.9	308.0	262.9	253.6	254.4
57.5°	1588.4	706.7	247.7	299.3	398.1	377.3	346.0	313.9	261.1	255.2	257.2
60°	1653.4	720.9	244.2	280.2	375.9	353.0	346.2	310.9	248.3	238.1	238.3
62.5°	1715.4	736.8	244.0	268.2	348.7	331.2	341.6	300.9	241.8	235.9	238.1
65°	1735.7	720.7	234.3	254.8	318.0	305.2	333.0	290.4	236.9	228.0	227.6
67.5°	1708.5	671.0	214.6	233.1	282.8	274.9	321.9	277.8	229.2	221.9	220.7
70°	1627.6	559.8	190.2	204.4	242.8	240.8	304.2	263.1	218.8	212.5	207.3
72.5°	*1410.0*	*398.9*	*160.3*	*170.1*	*197.7*	*204.2*	*279.8*	*244.0*	*204.2*	*190.6*	*182.5*
75°	1158.0	295.2	131.7	133.7	150.2	167.8	246.3	221.7	186.9	163.8	157.5
77.5°	709.2	180.6	104.8	105.7	107.7	133.9	202.8	196.7	165.0	136.5	132.1
80°	229.6	98.6	75.8	79.7	73.6	98.1	156.9	167.4	141.6	114.2	109.3
82.5°	87.4	57.5	51.2	53.8	51.0	65.8	114.4	134.1	116.0	93.9	76.4
85°	42.3	32.5	30.3	33.9	31.5	33.7	73.2	98.8	88.0	61.2	56.9
87.5°	15.0	14.4	11.6	15.6	13.4	12.0	22.4	49.8	58.1	42.1	37.6
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

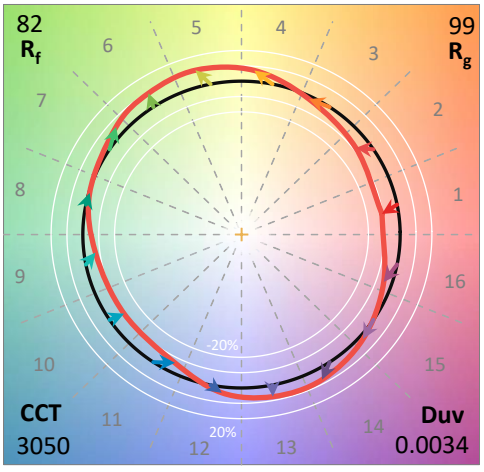
Test Information

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

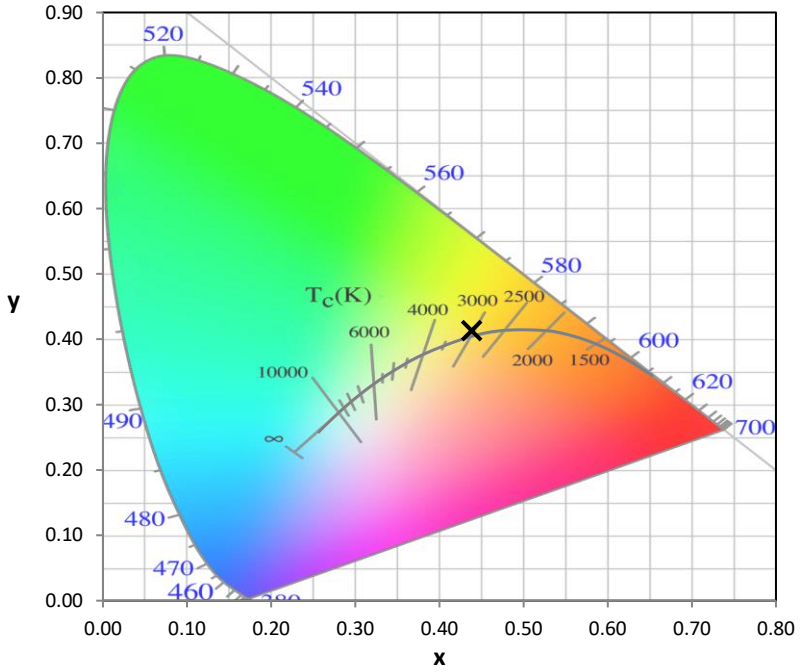
Stabilization Time:	20M
Operation Time:	1H 20M
Sphere Temperature (°C):	24.2

REPORT NUMBER: SP1-2408-195-9

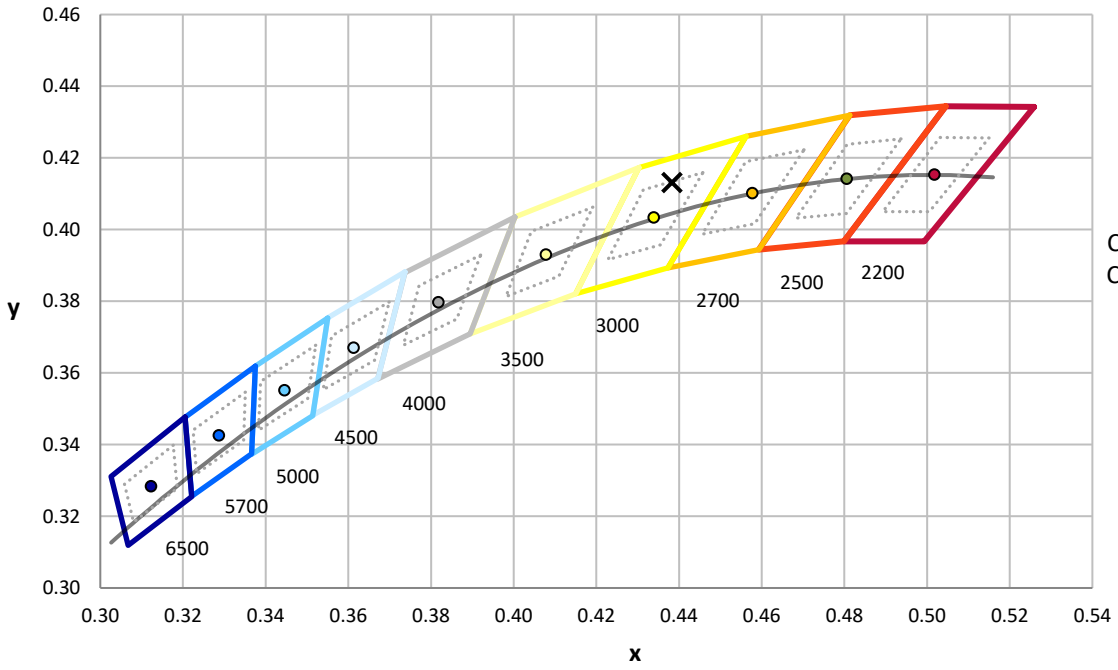
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

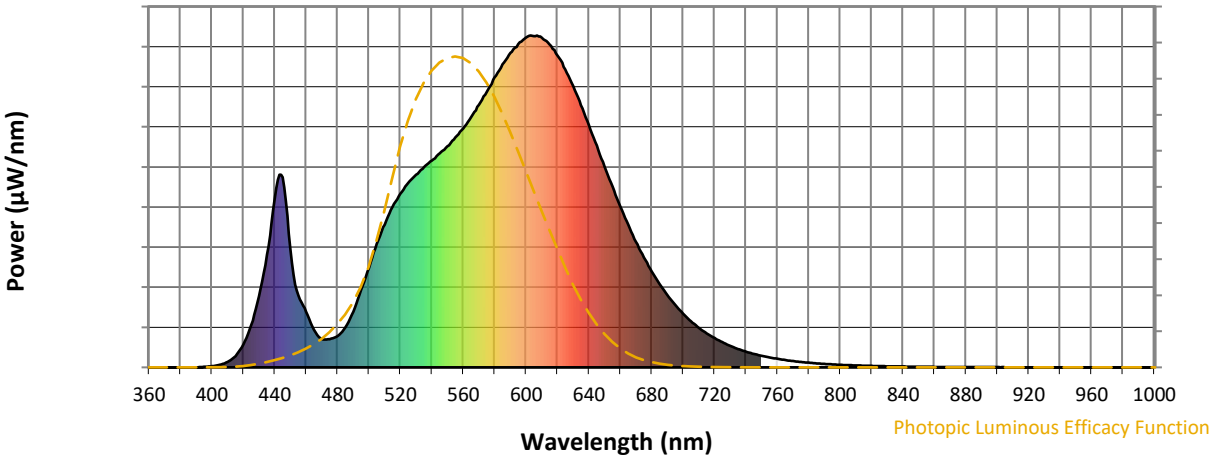


CCT = 3050K
CIE x = 0.4383
CIE y = 0.4131
Duv = 0.0034

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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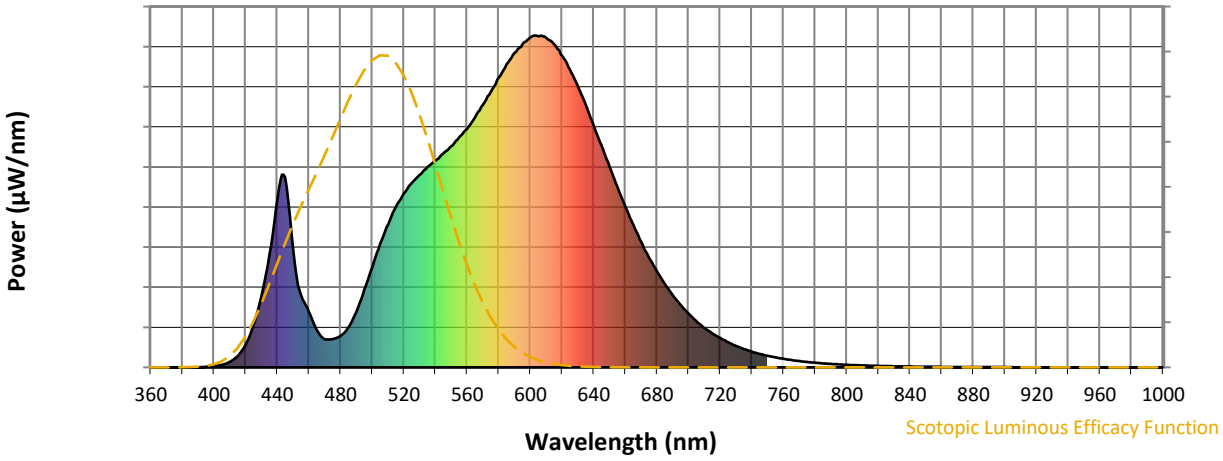
Scotopic Flux vs. Wavelength



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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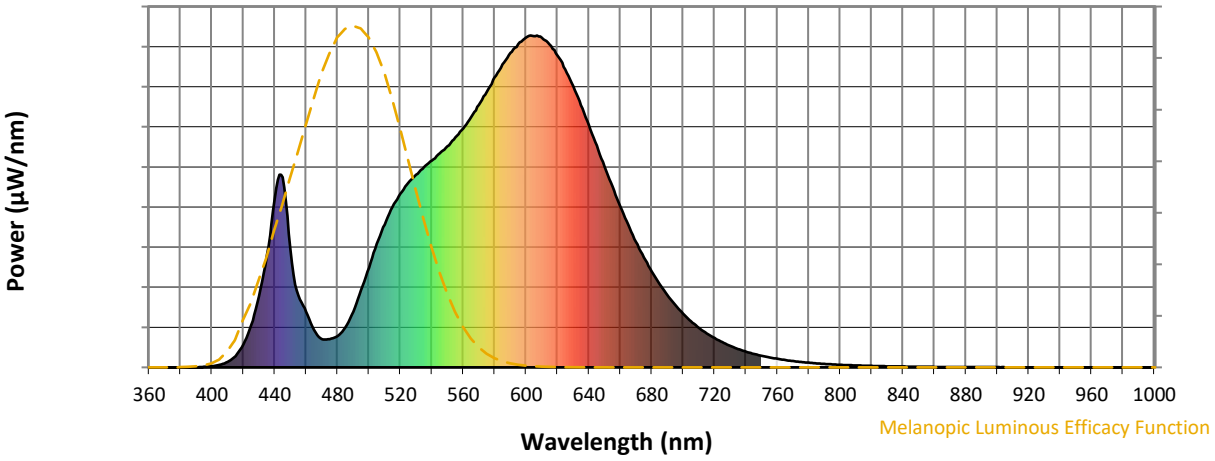
Melanopic Flux vs. Wavelength



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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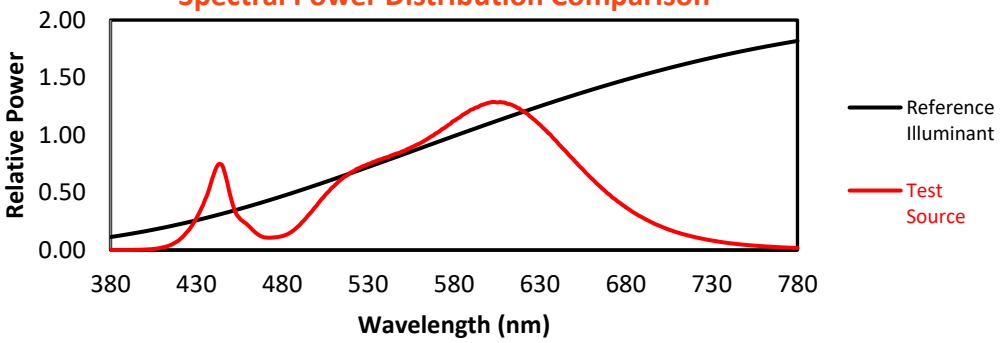
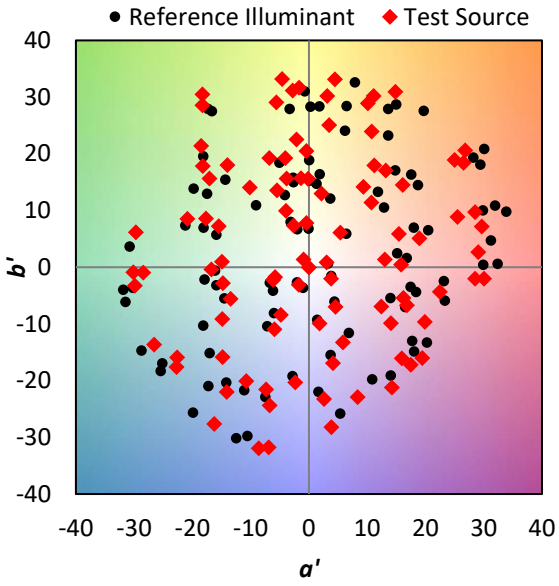
Summary

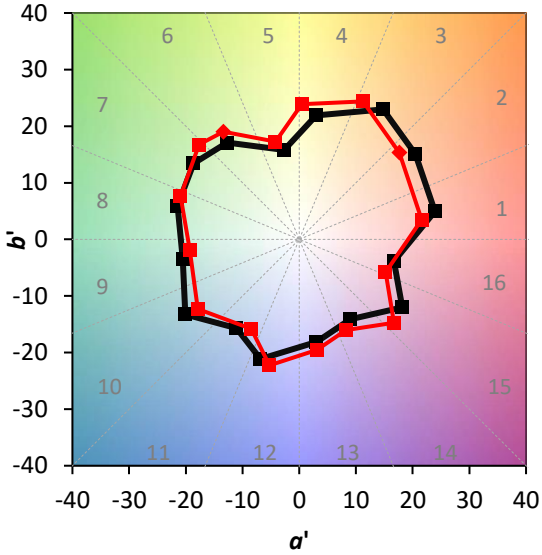
R_f = 81.5
R_g = 99.2
CIE R_a = 81.0
R_9 = 7.1

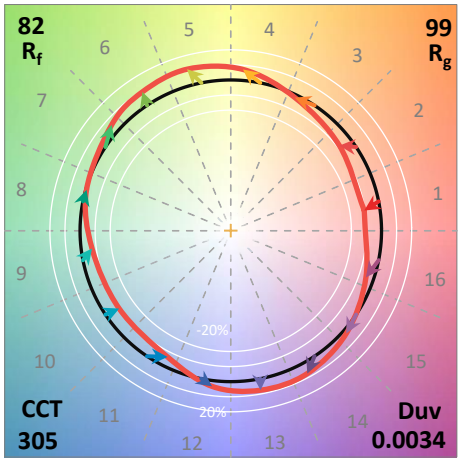
Spectral Power Distribution Comparison

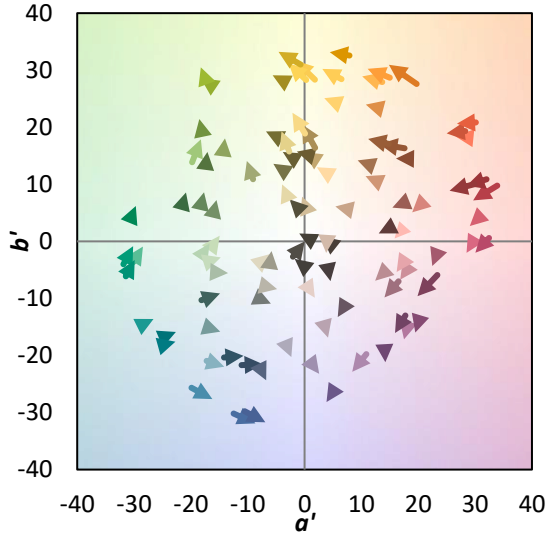


Color Vector Graphics









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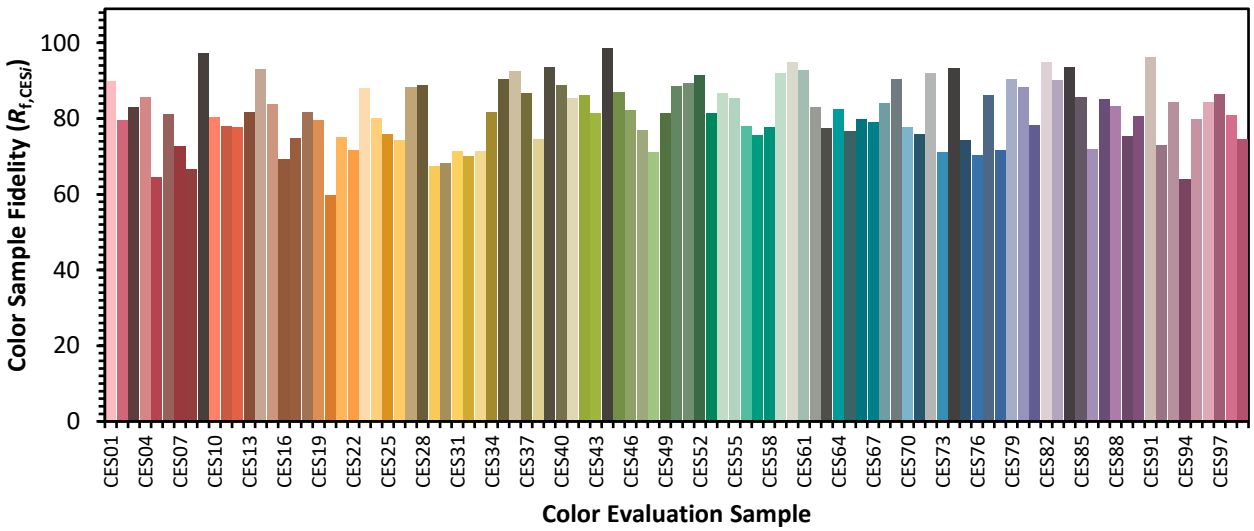
Individual Sample Fidelity Index ($R_{f,i}$)

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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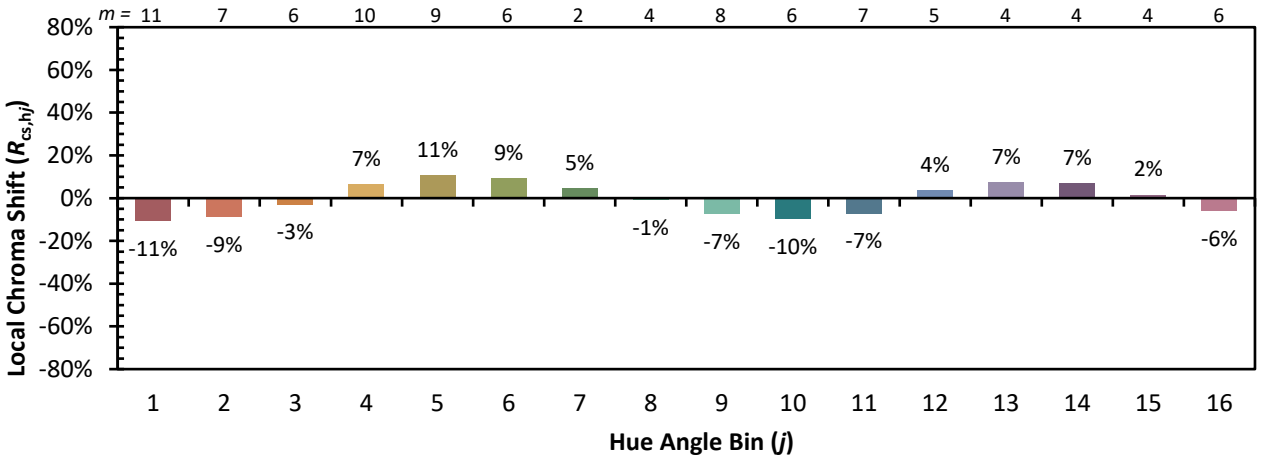
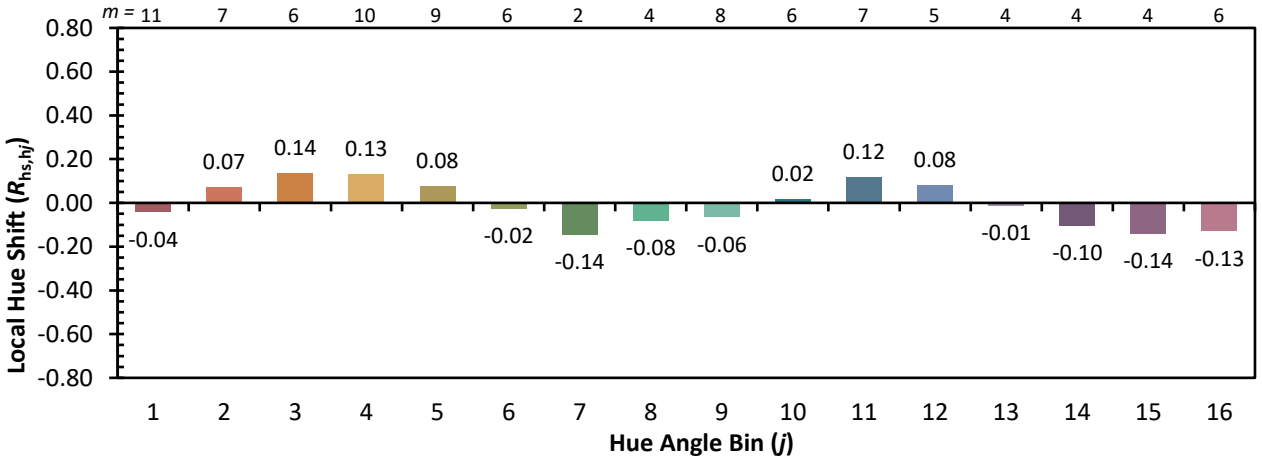
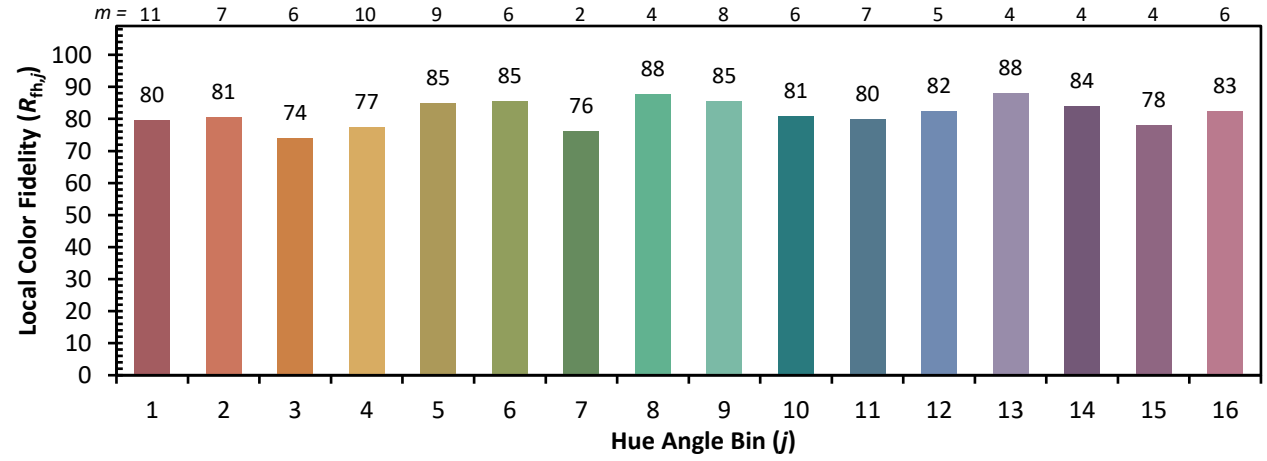
Color Rendition by Hue-Angle Bin







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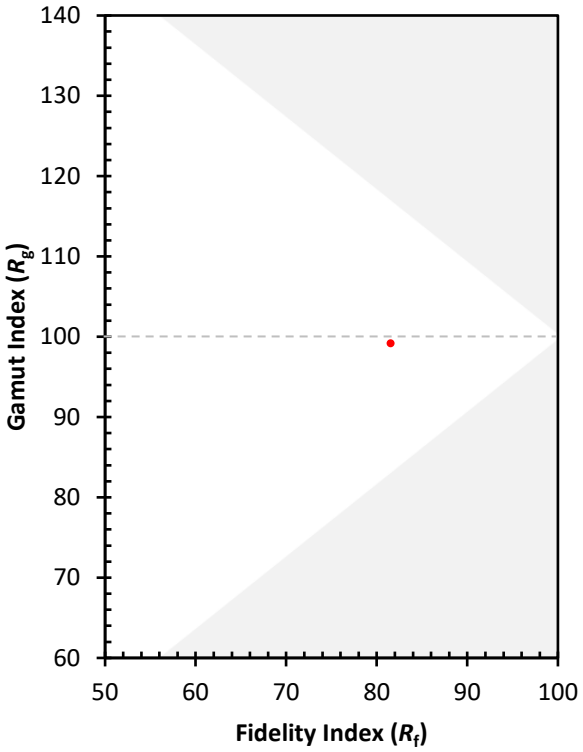
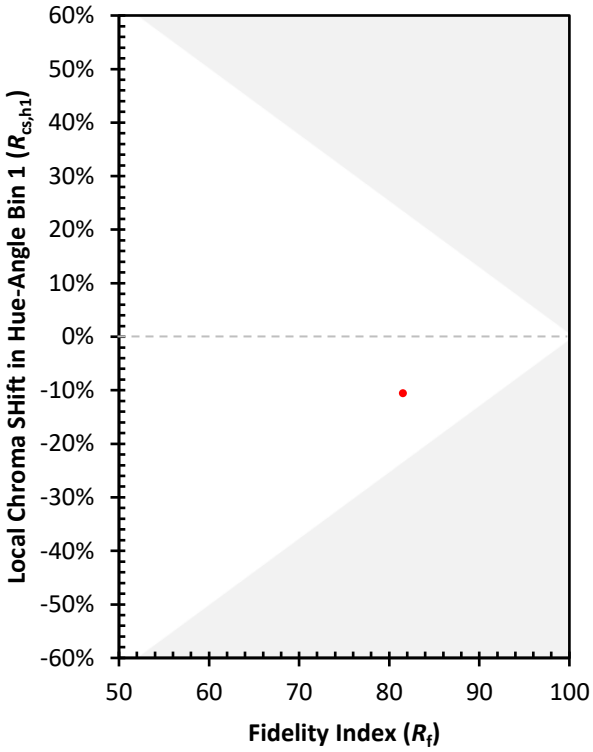
Measure Comparisons





(END OF REPORT)