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: P322397

Luminaire Tested: **GLEON-SA3B-830-U-T3-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:	P322397
	TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-15)
Test Lab:	INNOVATION CENTER
Issue Date:	3/3/2020
Manufacturer:	COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line:	McGRAW-EDISON
Catalog Number:	GLEON-SA3B-830-U-T3-HSS
Description:	GALLEON AREA AND ROADWAY LUMINAIRE
	(3) 80 CRI, 3000K, 800mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III OPTICS WITH HOUSE SIDE SHIELD
Light Source:	-
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	10103 lumens
Efficiency:	N/A
Efficacy:	81.5 lumens/watt
Luminous Opening:	Rectangular (W 1' x L: 1' x H: 0')
IES Classification:	Type III - Short
BUG Rating:	B1 - U0 - G2

Input Watts (W):	124
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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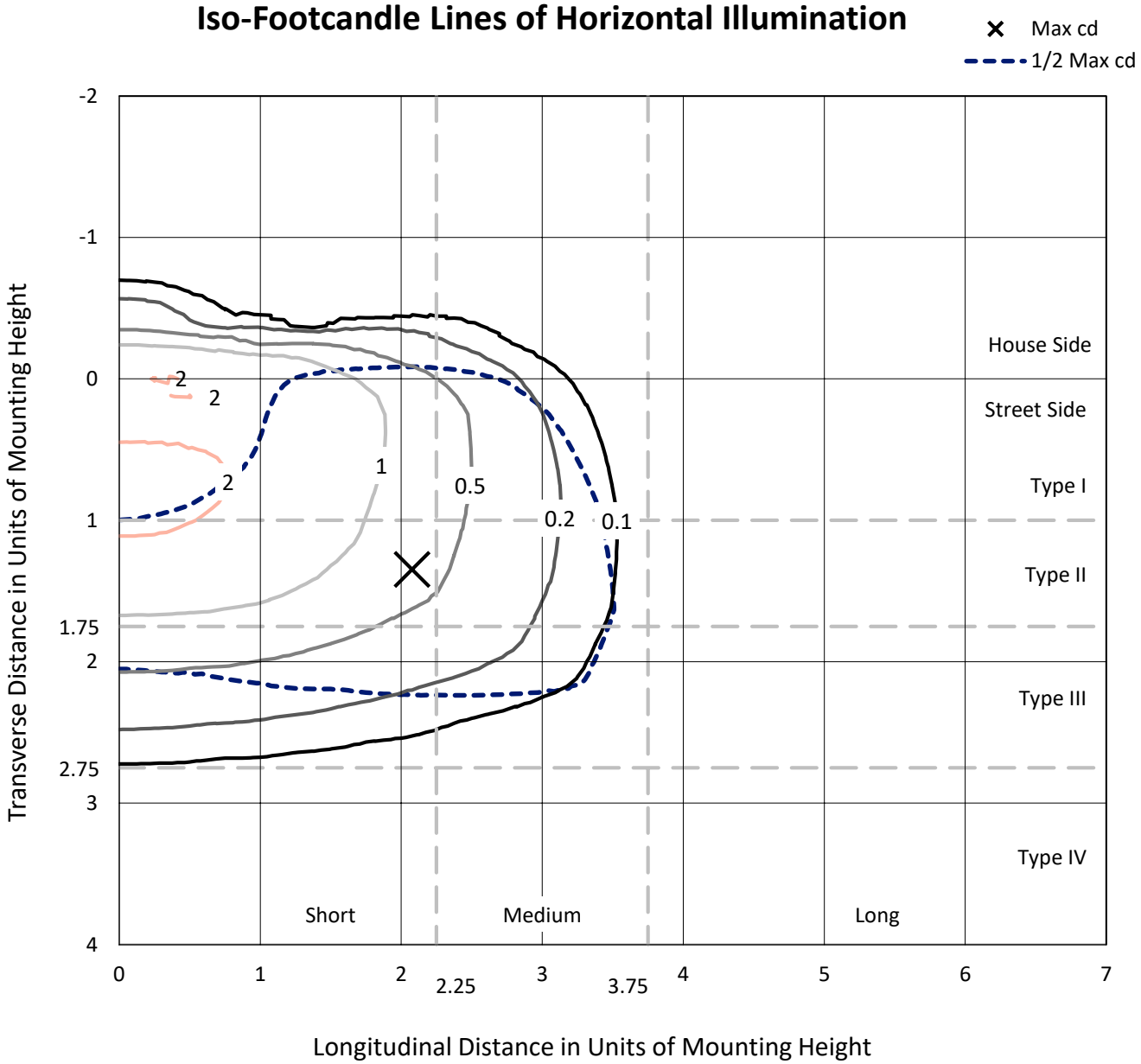
Scaled Data Report

REPORT NUMBER: P322397
CATALOG NUMBER: GLEON-SA3B-830-U-T3-HSS

Iso-Footcandle Lines of Horizontal Illumination



Based on 25 foot mounting height. Maximum calculated value = 2.5 fc
Type III - Short - N/A

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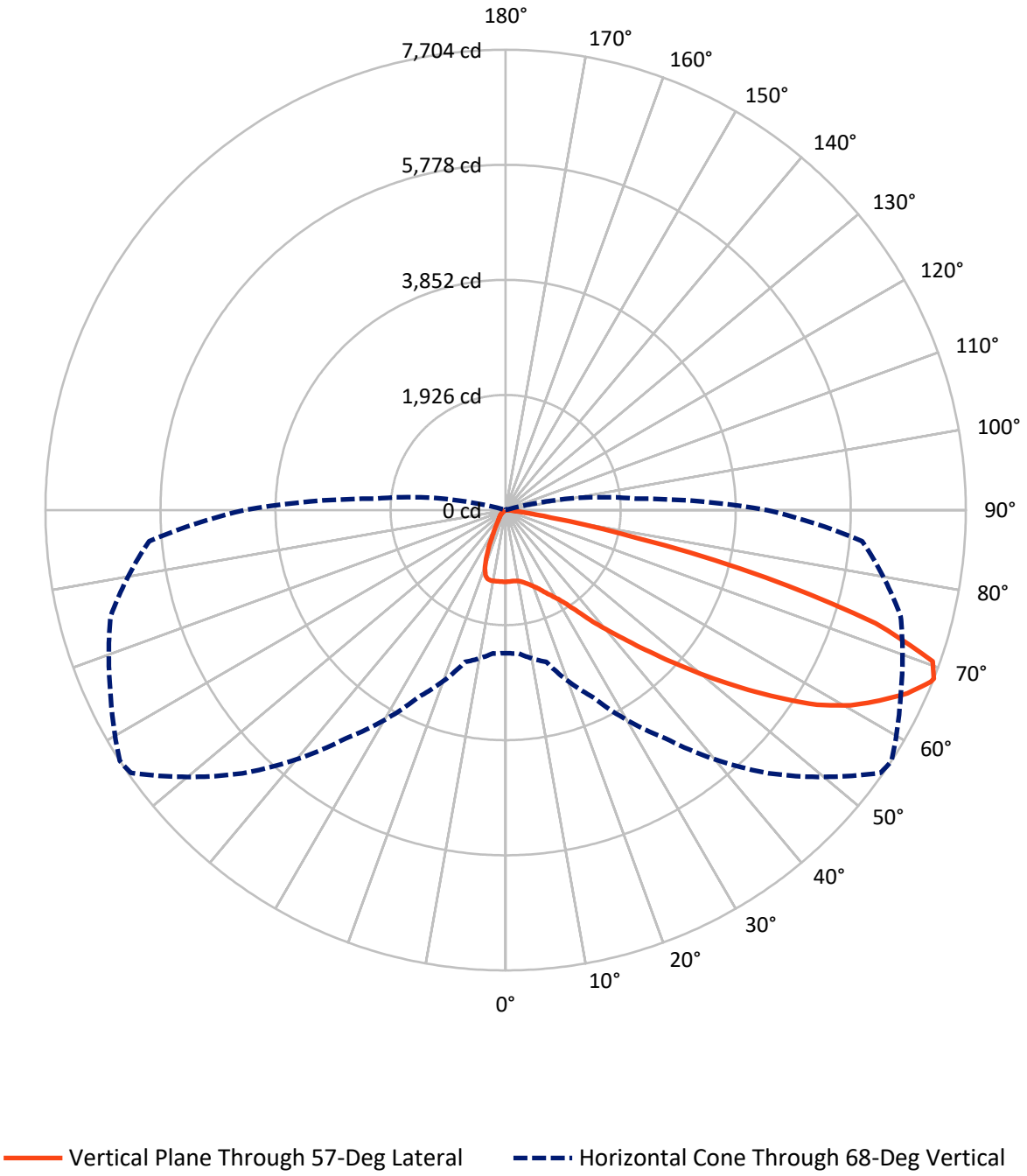
Luminous Intensity Polar Plot



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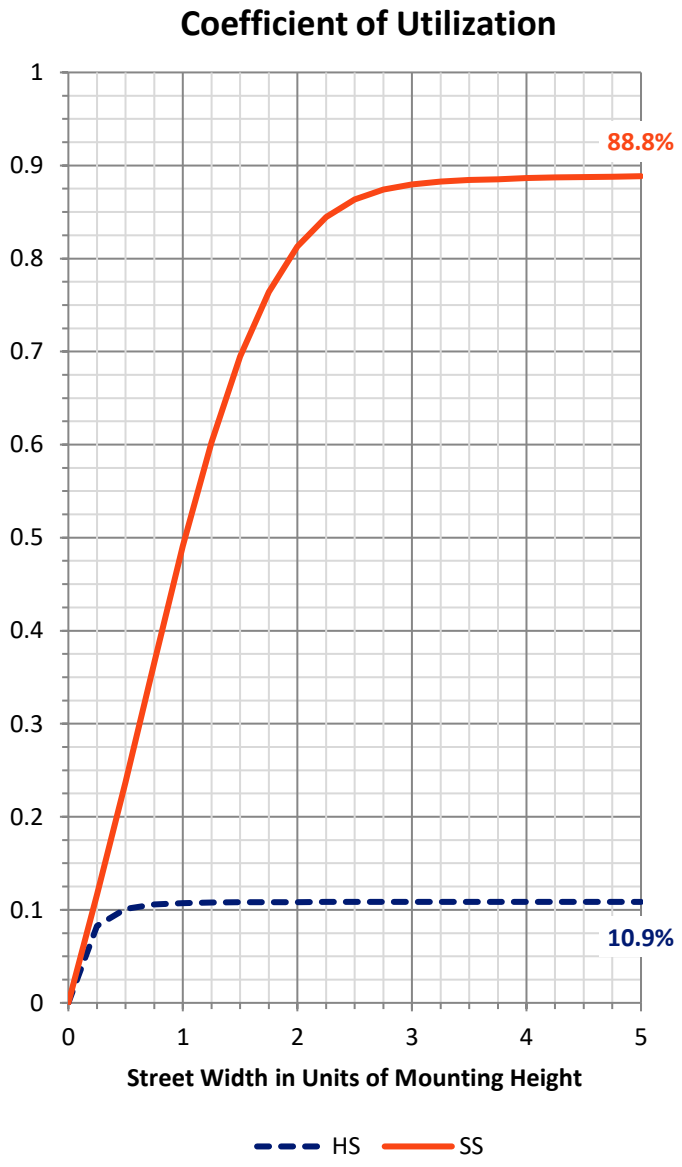
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1107.9	0.0	1107.9
	% Fixture	11.0	0.0	11.0
Street Side	Lumens	8995.2	0.0	8995.2
	% Fixture	89.0	0.0	89.0
Total	Lumens	10103.0	0.0	10103.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	112.3	1.1
10°-20°	311.3	3.1
20°-30°	537.1	5.3
30°-40°	927.0	9.2
40°-50°	1585.6	15.7
50°-60°	2536.8	25.1
60°-70°	2931.0	29.0
70°-80°	1120.0	11.1
80°-90°	42.0	0.4
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°	10103.0	100.0
0°-180°	10103.0	100.0



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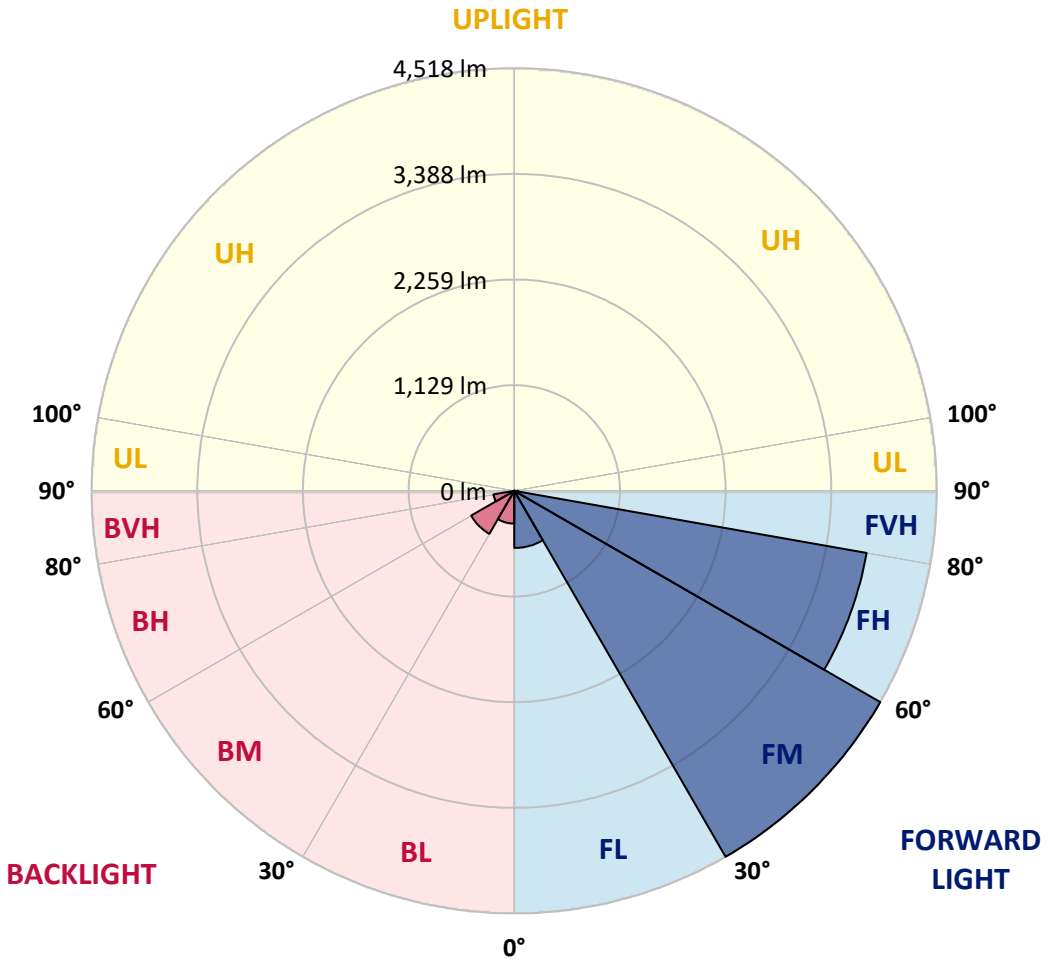
LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	610.6	6.0			
FM	(30°-60°)	4518.0	44.7			
FH	(60°-80°)	3825.3	37.9			G2/5000
FVH	(80°-90°)	41.2	0.4			G1/100
BL	(0°-30°)	350.1	3.5	B1/500		
BM	(30°-60°)	531.3	5.3	B1/1000		
BH	(60°-80°)	225.6	2.2	B1/500		G1/500
BVH	(80°-90°)	0.8	0.0			G0/10
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G2
Type III Short



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REPORT NUMBER: P322397
CATALOG NUMBER: GLEON-SA3B-830-U-T3-HSS

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	57°	65°	75°	85°
0°	1200.5	1200.5	1200.5	1200.5	1200.5	1200.5	1200.5	*1200.5*	1200.5	1200.5	1200.5
2.5°	1172.3	1177.6	1181.4	1183.8	1186.6	1192.9	1194.8	*1197.6*	1199.1	1199.1	1202.4
5°	1126.0	1131.7	1139.8	1146.5	1159.9	1177.1	1189.5	*1194.3*	1202.9	1210.5	1214.8
7.5°	1083.0	1089.7	1099.2	1115.0	1137.9	1165.6	1191.4	*1198.1*	1214.8	1231.1	1239.2
10°	1055.3	1060.5	1073.0	1095.4	1125.5	1164.2	1200.5	*1208.6*	1237.3	1264.5	1279.8
12.5°	1045.7	1050.5	1063.4	1088.7	1126.0	1171.4	1221.5	*1233.5*	1275.5	1315.2	1336.7
15°	1059.6	1060.5	1074.4	1098.3	1135.1	1189.0	1256.4	*1270.7*	1323.8	1375.3	1402.1
17.5°	1113.1	1108.8	1115.9	1126.5	1155.6	1212.4	1293.2	*1314.7*	1385.4	1446.0	1471.4
20°	1246.8	1246.8	1230.6	1201.9	1202.4	1248.8	1342.9	*1367.2*	1453.7	1523.9	1546.8
22.5°	1475.7	1471.4	1438.9	1368.7	1304.2	1311.3	1403.5	*1435.1*	1535.9	1610.9	1618.5
25°	1750.8	1745.6	1695.4	1596.5	1484.7	1412.6	1485.7	*1522.0*	1633.8	1700.2	1684.4
27.5°	2042.2	2037.9	1988.3	1865.5	1706.4	1574.1	1583.6	*1618.0*	1733.6	1799.1	1748.9
30°	2324.6	2326.0	2276.8	2150.7	1970.6	1780.0	1707.8	*1727.9*	1830.6	1897.0	1825.4
32.5°	2593.0	2595.0	2552.4	2411.5	2243.4	2019.3	1879.8	*1874.6*	1943.4	2008.8	1926.6
35°	2832.4	2837.2	2808.0	2698.6	2520.4	2285.9	2102.9	*2090.5*	2103.4	2177.4	2081.9
37.5°	3063.1	3066.0	3044.0	2951.8	2802.8	2578.7	2384.8	*2367.1*	2339.4	2396.2	2286.8
40°	3315.8	3308.7	3283.3	3199.7	3071.7	2902.1	2687.6	*2657.1*	2608.8	2659.5	2556.3
42.5°	3550.9	3542.7	3547.0	3452.5	3344.5	3234.6	3040.7	*2988.1*	2959.9	3018.2	2886.8
45°	3844.7	3840.4	3854.7	3772.5	3685.1	3605.3	3445.3	*3388.0*	3375.5	3443.9	3286.7
47.5°	4134.6	4145.2	4189.6	4154.7	4119.4	4049.1	3873.8	*3848.0*	3855.7	3938.3	3708.5
50°	4376.4	4388.8	4510.6	4550.7	4601.8	4560.8	4385.0	*4369.2*	4399.3	4473.8	4162.3
52.5°	4551.2	4576.5	4728.0	4912.8	5099.2	5126.9	4951.5	*4937.2*	4977.8	4989.3	4513.0
55°	4672.5	4695.0	4866.5	5204.7	5584.0	5703.5	5594.5	*5539.1*	5531.5	5418.3	4881.8
57.5°	4694.0	4691.7	4938.2	5393.4	5964.3	6272.4	6203.6	*6149.2*	5992.5	5814.8	5304.6
60°	4572.7	4586.6	4872.7	5458.9	6203.2	6702.8	6708.1	*6637.4*	6393.3	6200.3	5714.5
62.5°	4199.1	4255.5	4544.5	5287.4	6200.3	6876.3	7077.9	*7023.9*	6732.0	6516.1	6130.1
65°	3593.4	3613.5	3889.1	4699.8	5781.3	6803.6	7410.8	*7390.8*	7037.2	6822.8	6343.6
67.5°	2624.1	2580.6	2870.1	3700.9	4894.7	6380.4	7649.7	*7675.0*	7272.8	6885.8	6116.2
68°	*2394.8*	*2407.7*	*2633.2*	*3453.9*	*4662.5*	*6230.9*	*7665.4*	*7704.1*	*7296.2*	*6844.7*	*5992.0*
70°	1427.4	1452.3	1653.4	2378.1	3547.0	5384.8	7495.4	*7583.8*	7156.7	6421.0	5182.8
72.5°	364.5	394.1	584.2	1064.4	2026.0	3794.0	6327.4	*6476.9*	6213.7	5209.0	3498.8
75°	150.0	157.6	208.8	350.6	754.8	1709.3	4170.5	*4490.5*	4307.6	3118.5	1581.2
77.5°	103.7	108.9	134.2	194.4	326.8	579.5	2044.6	*2275.8*	2050.4	1064.4	344.9
80°	74.5	78.8	96.0	129.5	187.7	206.9	666.4	*770.6*	612.0	233.6	85.5
82.5°	44.4	47.8	71.7	92.2	114.2	98.9	165.8	*188.2*	177.2	116.1	38.2
85°	22.0	25.8	48.2	65.9	61.6	41.6	50.6	*56.4*	69.7	70.7	20.5
87.5°	1.4	2.9	28.2	39.7	17.2	9.6	14.8	*18.2*	24.8	34.9	8.6
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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REPORT NUMBER: P322397
CATALOG NUMBER: GLEON-SA3B-830-U-T3-HSS

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1200.5	1200.5	1200.5	1200.5	1200.5	1200.5	1200.5	1200.5	1200.5	1200.5	1200.5
2.5°	1203.8	1204.3	1201.0	1199.5	1200.5	1194.8	1192.4	1193.3	1193.3	1194.8	1192.4
5°	1215.8	1215.8	1210.1	1202.4	1198.1	1187.1	1180.0	1178.1	1176.6	1175.7	1173.8
7.5°	1241.6	1238.7	1228.7	1212.0	1197.6	1173.8	1155.6	1146.0	1141.3	1139.4	1137.9
10°	1283.1	1277.9	1261.2	1230.1	1197.2	1154.6	1115.0	1086.8	1063.4	1053.8	1048.1
12.5°	1339.0	1331.4	1303.2	1251.6	1193.8	1115.5	1029.5	946.8	869.9	838.4	822.6
15°	1403.5	1392.5	1348.1	1269.8	1174.2	1027.1	840.3	695.6	589.0	548.9	531.7
17.5°	1469.0	1454.6	1387.3	1281.2	1115.5	844.1	589.5	445.2	374.1	354.9	348.3
20°	1534.9	1513.9	1421.2	1272.6	982.7	608.6	388.9	325.3	304.8	299.1	297.1
22.5°	1597.5	1565.0	1451.8	1239.2	778.2	408.4	307.6	287.6	280.9	277.6	276.6
25°	1651.9	1606.6	1478.5	1136.0	550.8	308.6	277.1	270.4	261.8	255.6	256.1
27.5°	1703.1	1648.1	1494.8	965.9	367.4	263.7	256.5	247.5	231.7	222.6	222.6
30°	1764.7	1703.5	1506.7	743.3	270.4	233.1	227.4	213.5	192.0	180.1	180.1
32.5°	1857.4	1787.6	1499.1	521.7	224.0	204.9	191.6	172.5	149.0	137.6	137.1
35°	1999.2	1917.6	1444.6	342.0	197.8	178.2	156.7	133.3	112.7	103.2	102.7
37.5°	2190.3	2091.4	1322.3	244.6	177.2	153.3	127.6	101.8	86.5	80.3	79.8
40°	2438.3	2293.5	1147.5	198.3	158.1	129.5	98.4	78.8	68.3	63.5	64.0
42.5°	2735.9	2509.9	937.8	171.0	139.5	106.5	76.9	62.1	55.4	52.1	51.1
45°	3066.5	2723.5	718.0	152.4	120.9	86.0	60.2	49.2	43.9	42.0	42.0
47.5°	3430.0	2931.3	525.5	136.1	100.8	66.4	48.2	40.1	35.8	34.4	33.9
50°	3760.1	3075.5	378.8	119.0	82.6	52.5	39.2	33.4	30.6	28.7	28.7
52.5°	4035.3	3120.9	279.0	100.3	66.9	42.0	32.5	28.7	25.8	24.4	24.4
55°	4277.5	3102.3	207.3	82.6	54.0	34.4	27.7	24.4	22.0	20.5	20.5
57.5°	4509.6	3042.1	154.8	67.4	43.5	27.7	23.4	20.5	18.2	17.2	17.2
60°	4699.3	2941.8	115.1	54.5	34.9	22.5	19.6	16.7	14.8	13.4	13.4
62.5°	4853.1	2831.0	84.6	44.9	27.7	17.7	15.3	13.9	11.0	9.6	9.6
65°	4854.1	2647.0	63.5	37.3	21.5	13.9	11.5	11.0	7.2	5.7	5.3
67.5°	4503.0	2282.1	48.7	32.0	16.7	10.5	8.6	9.1	3.8	2.4	1.9
68°	*4375.4*	*2189.4*	*45.9*	*31.5*	*15.8*	*10.0*	*8.1*	*9.1*	*3.3*	*1.9*	*1.4*
70°	3688.9	1741.8	36.8	30.6	13.9	7.6	6.7	9.1	2.9	1.4	1.0
72.5°	2359.4	1010.8	27.2	24.4	10.5	5.7	4.3	8.1	2.9	1.0	0.5
75°	1004.2	313.4	18.6	17.2	6.2	4.3	2.9	5.3	1.9	0.5	0.0
77.5°	211.6	70.7	11.0	10.5	4.3	2.9	1.9	1.4	0.5	0.0	0.0
80°	54.5	20.5	5.7	5.3	2.4	1.4	1.0	0.0	0.0	0.0	0.0
82.5°	17.2	8.1	3.3	2.4	1.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	8.6	4.8	1.9	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	4.8	1.4	0.5	0.0	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

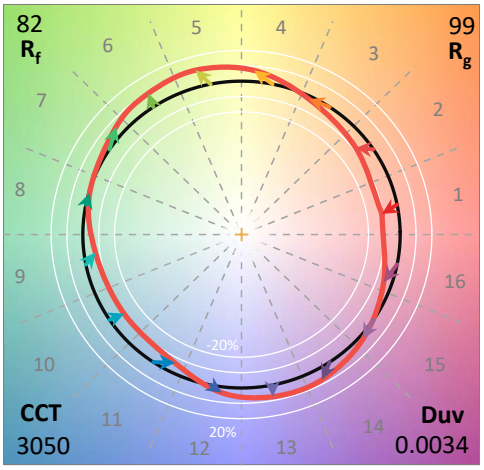
Test Information

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

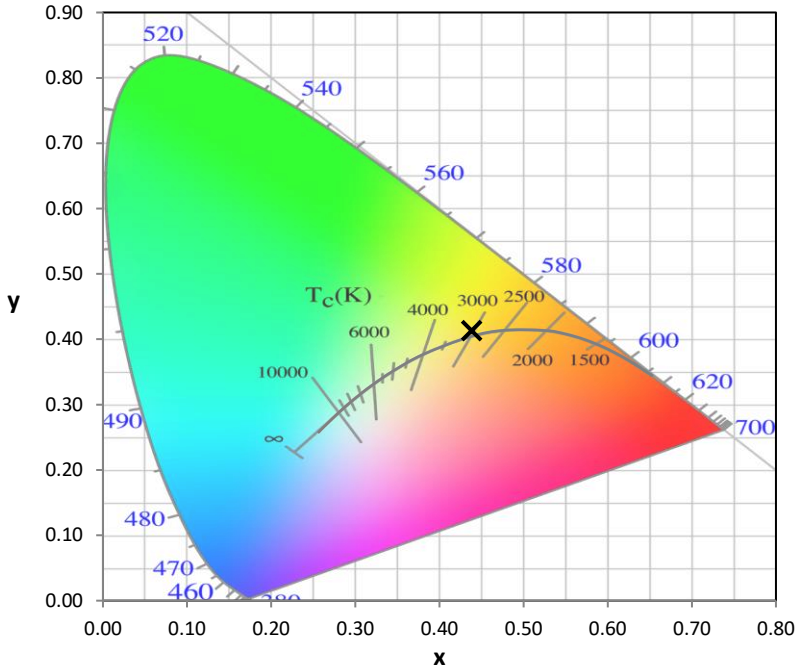
Stabilization Time:	20M
Operation Time:	1H 20M
Sphere Temperature (°C):	24.2

REPORT NUMBER: SP1-2408-195-9

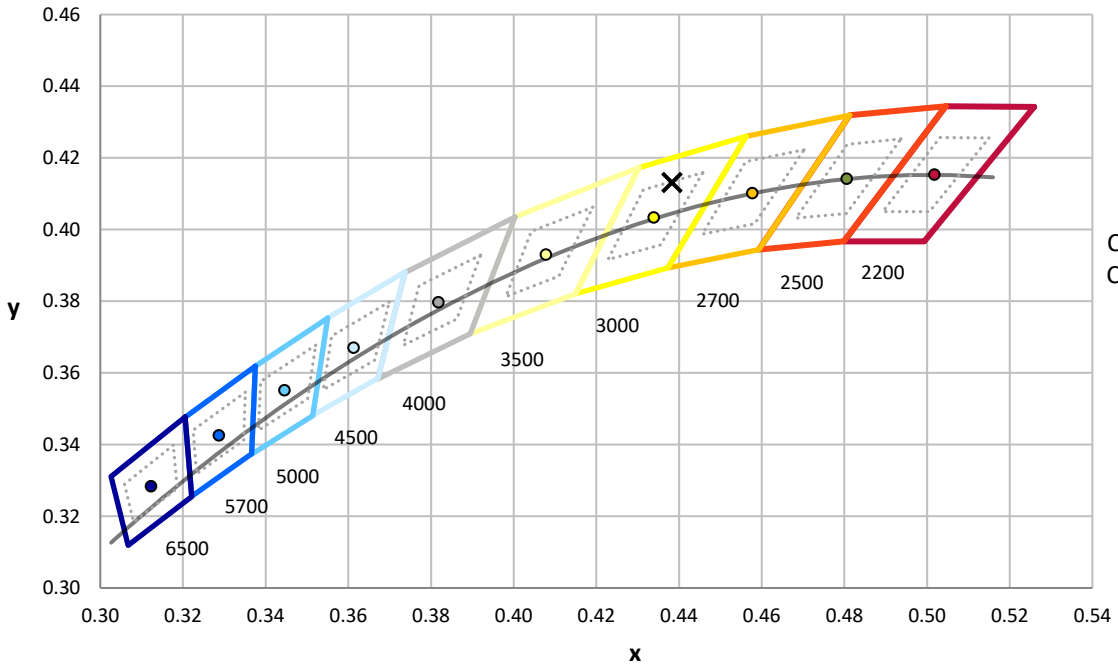
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

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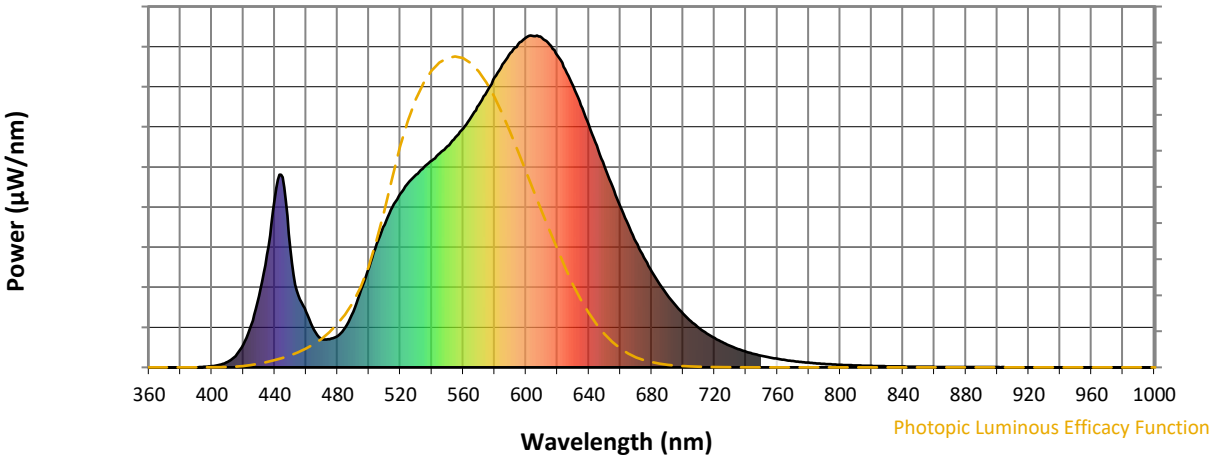
Photopic Flux vs. Wavelength



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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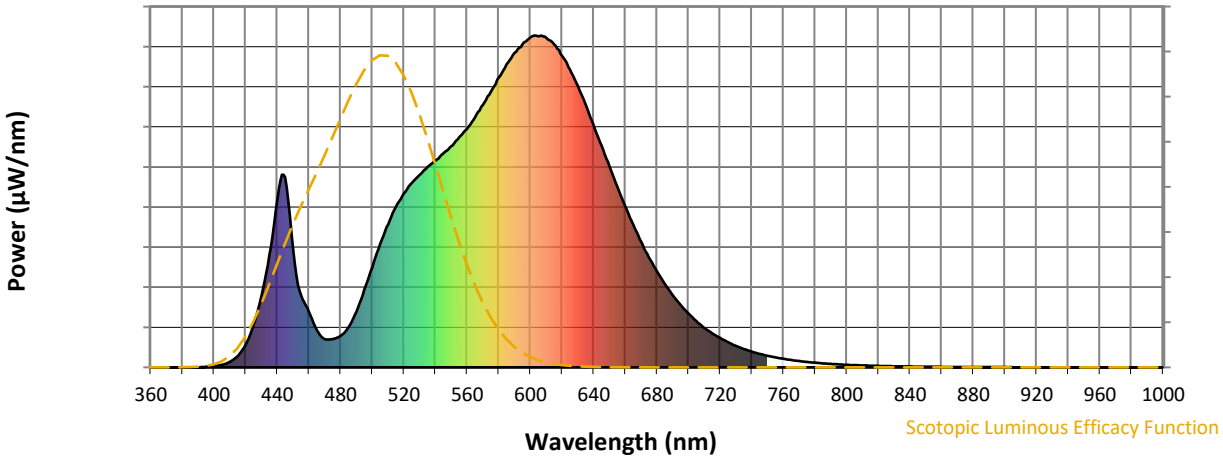
Scotopic Flux vs. Wavelength



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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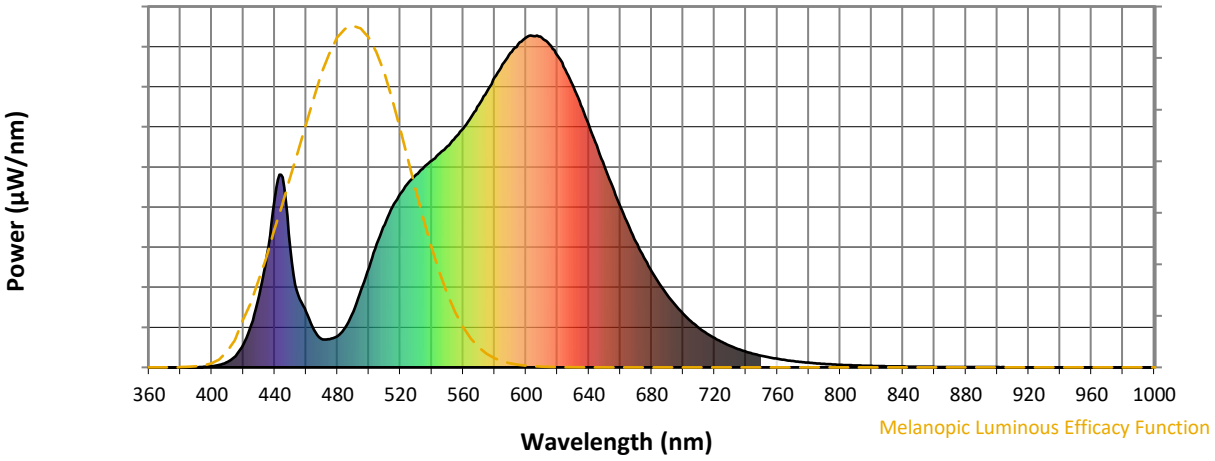
Melanopic Flux vs. Wavelength



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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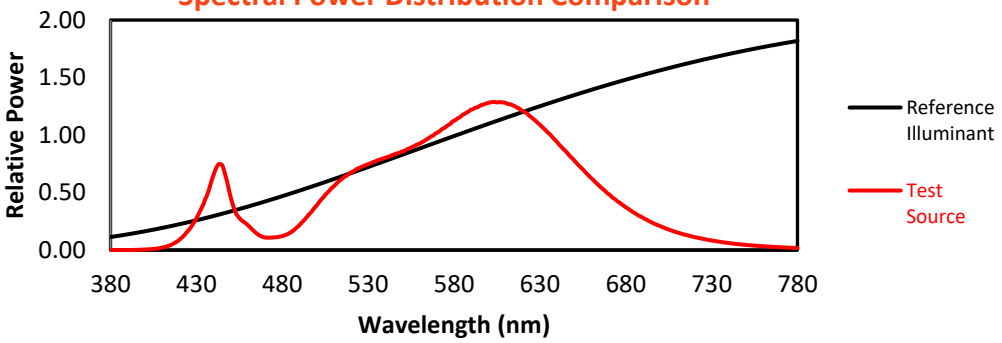
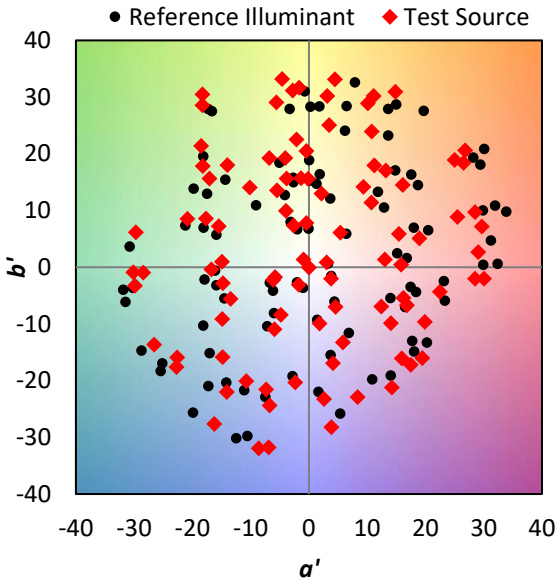
Summary

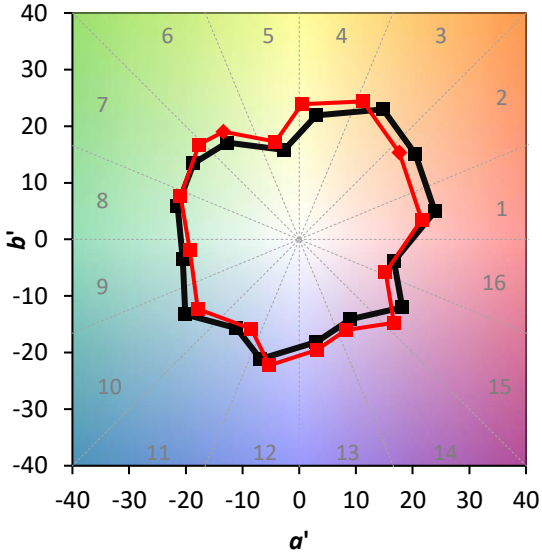
R_f = 81.5
R_g = 99.2
CIE R_a = 81.0
R_9 = 7.1

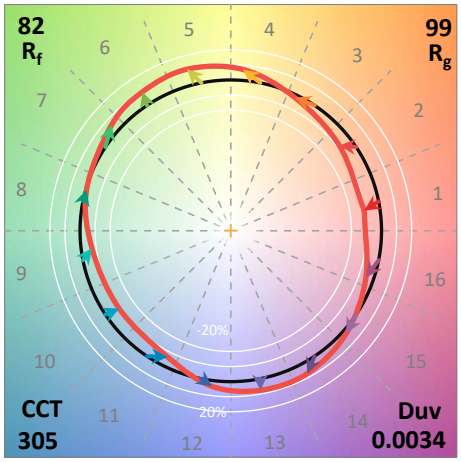
Spectral Power Distribution Comparison

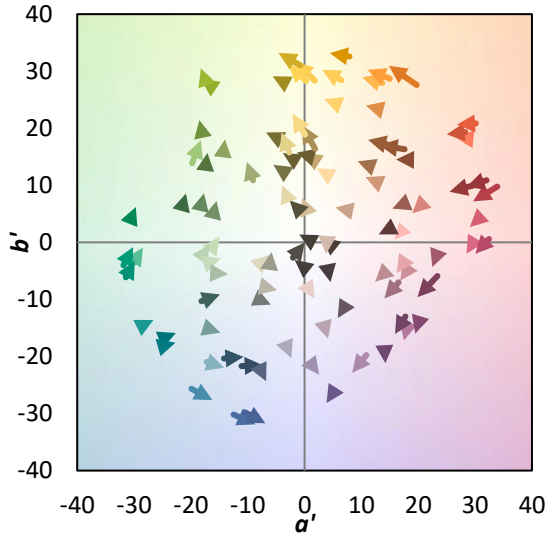


Color Vector Graphics









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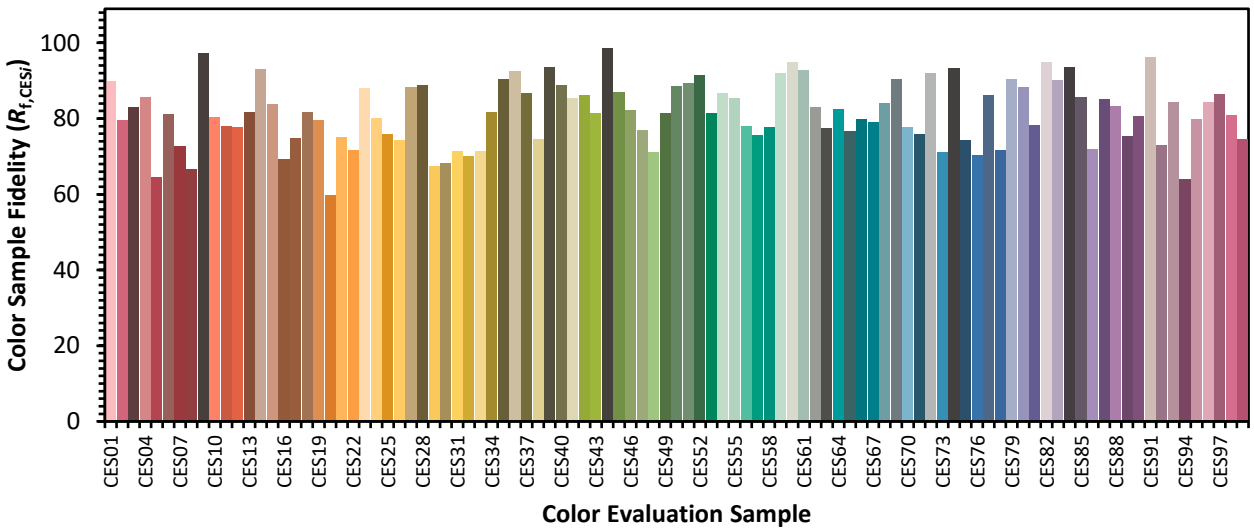
Individual Sample Fidelity Index ($R_{f,i}$)

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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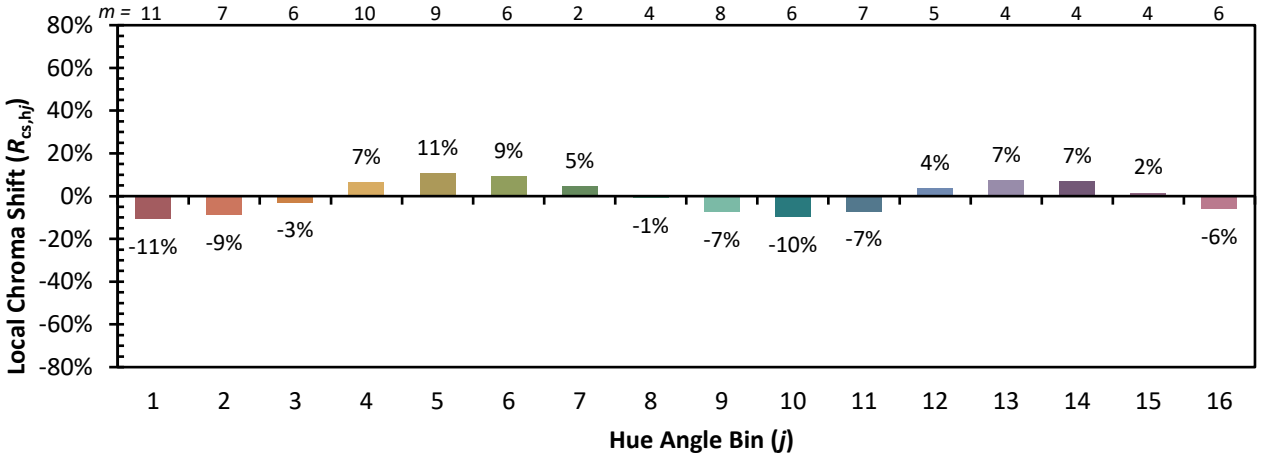
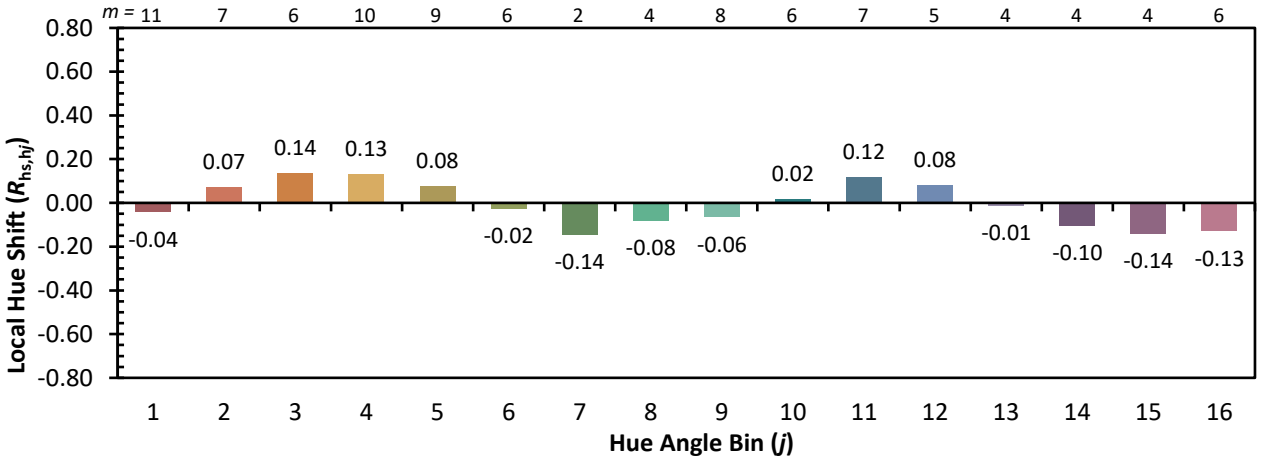
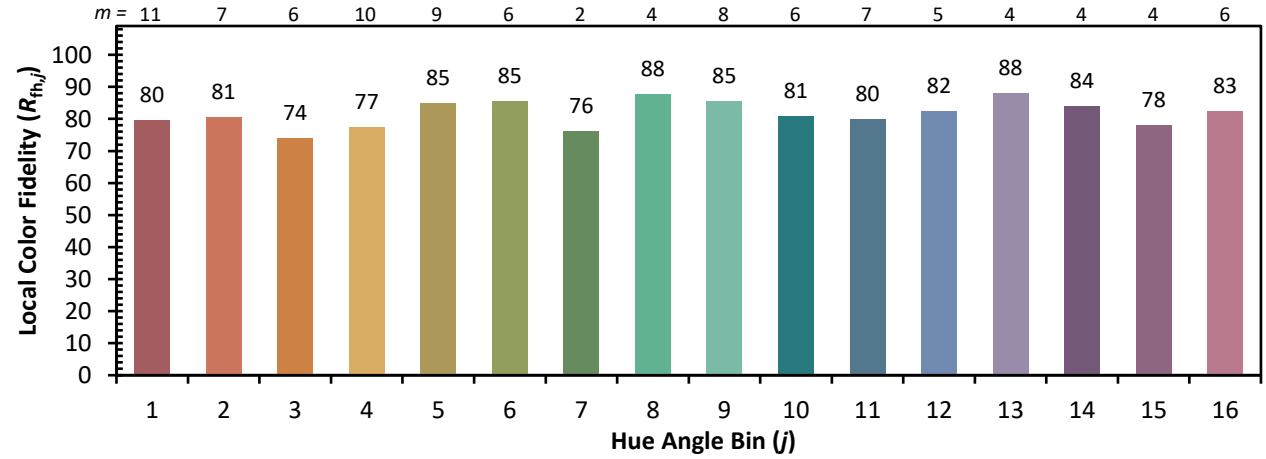
Color Rendition by Hue-Angle Bin







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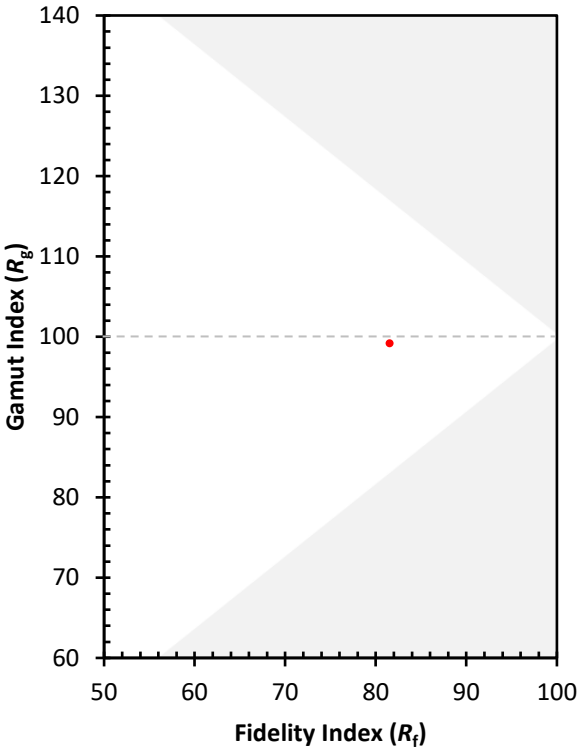
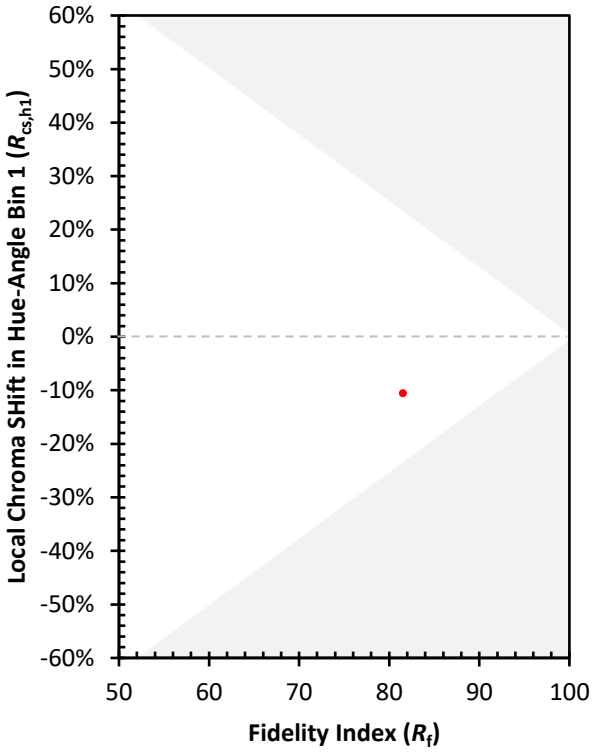
Measure Comparisons





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