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: P322736

Luminaire Tested: **GLEON-SA2D-830-U-T4FT-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:	P322736
	TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-17)
Test Lab:	INNOVATION CENTER
Issue Date:	3/3/2020
Manufacturer:	COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line:	McGRAW-EDISON
Catalog Number:	GLEON-SA2D-830-U-T4FT-HSS
Description:	GALLEON AREA AND ROADWAY LUMINAIRE
	(2) 80 CRI, 3000K, 1200mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE IV FORWARD THROW OPTICS WITH HOUSE SIDE SHIELD
Light Source:	-
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	8958 lumens
Efficiency:	N/A
Efficacy:	69.4 lumens/watt
Luminous Opening:	Rectangular (W 0.5' x L: 1' x H: 0')
IES Classification:	Type IV - Short
BUG Rating:	B1 - U0 - G2

Input Watts (W):	129
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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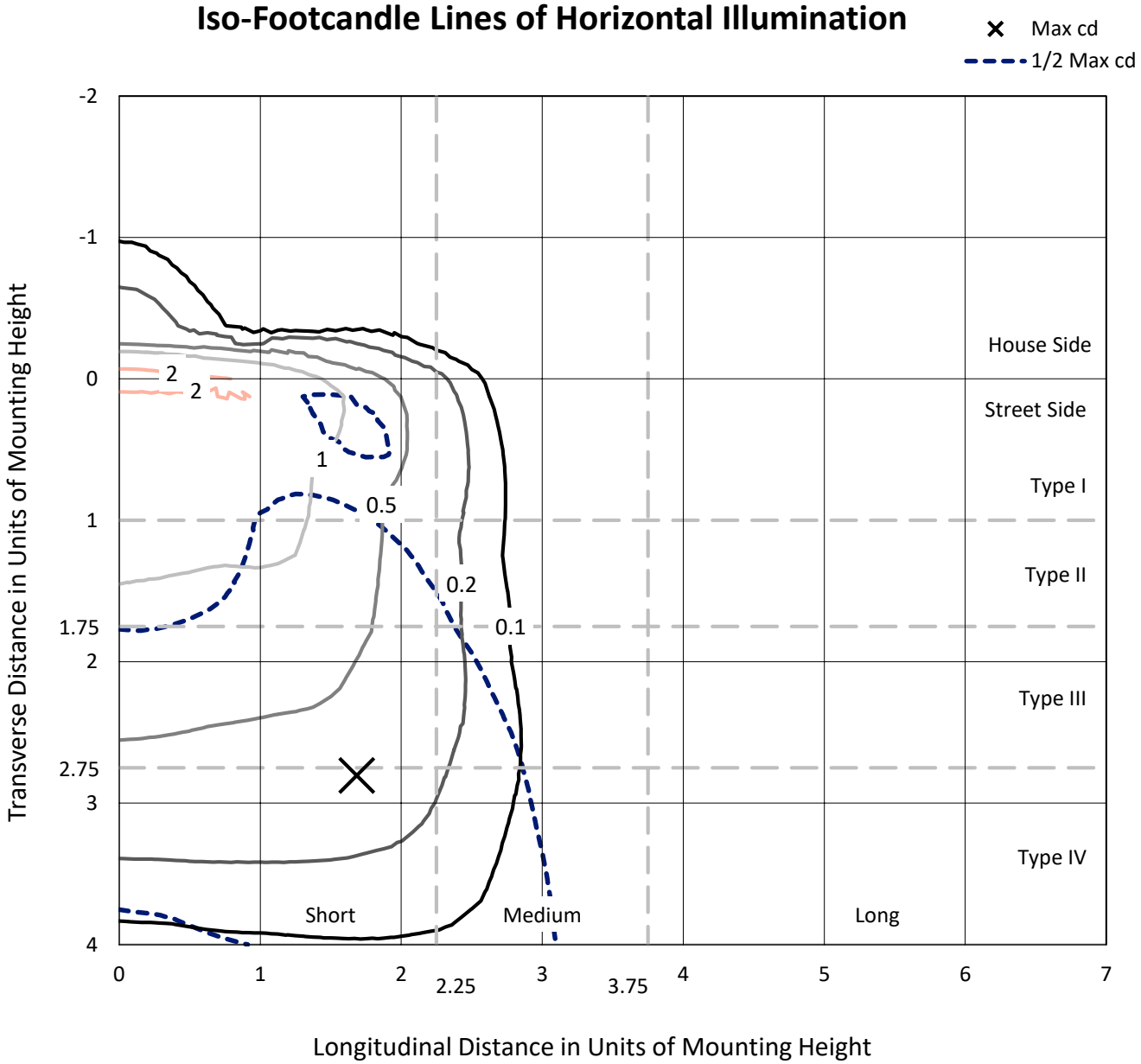
Scaled Data Report

REPORT NUMBER: P322736
CATALOG NUMBER: GLEON-SA2D-830-U-T4FT-HSS

Iso-Footcandle Lines of Horizontal Illumination



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

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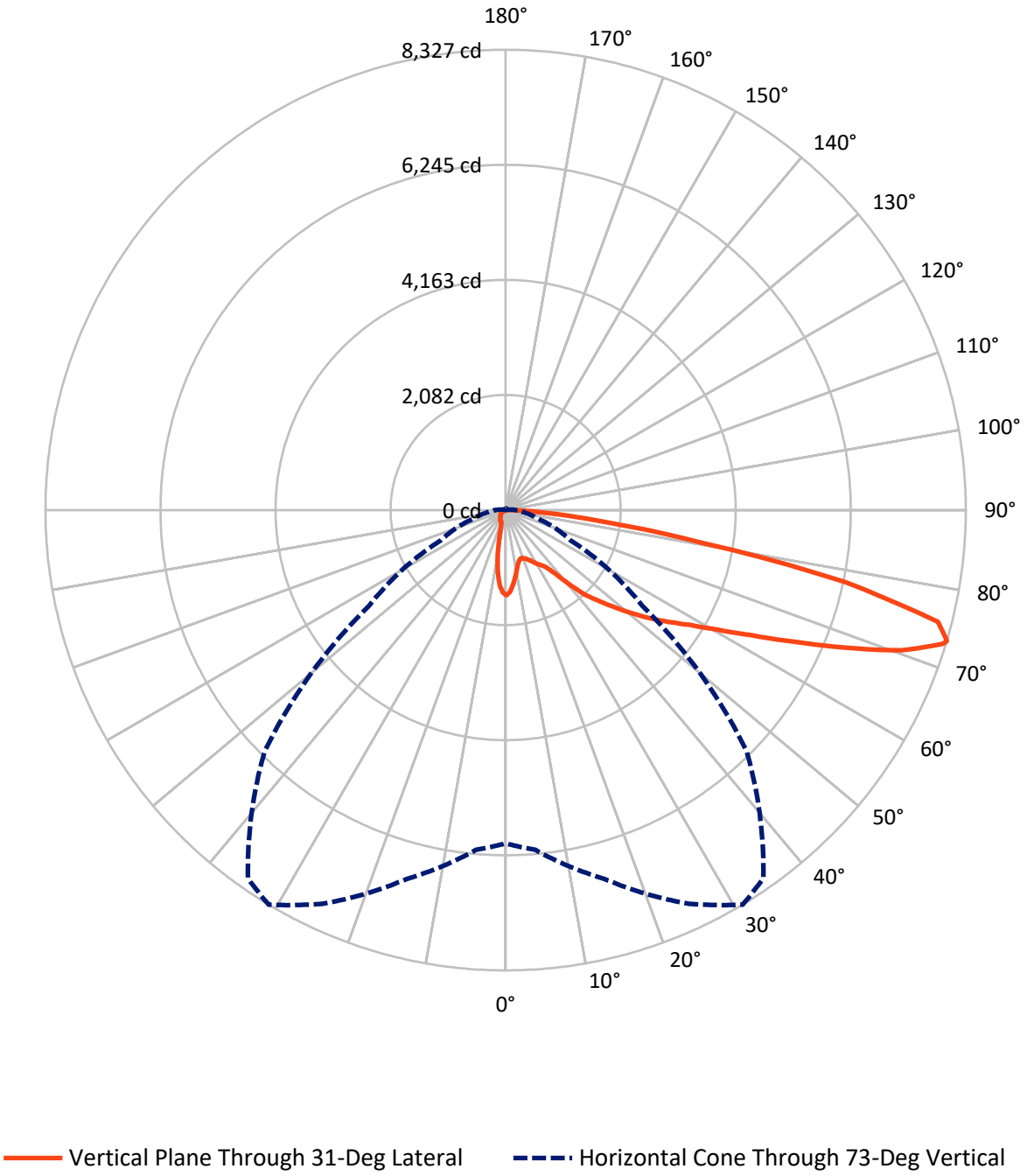
Luminous Intensity Polar Plot



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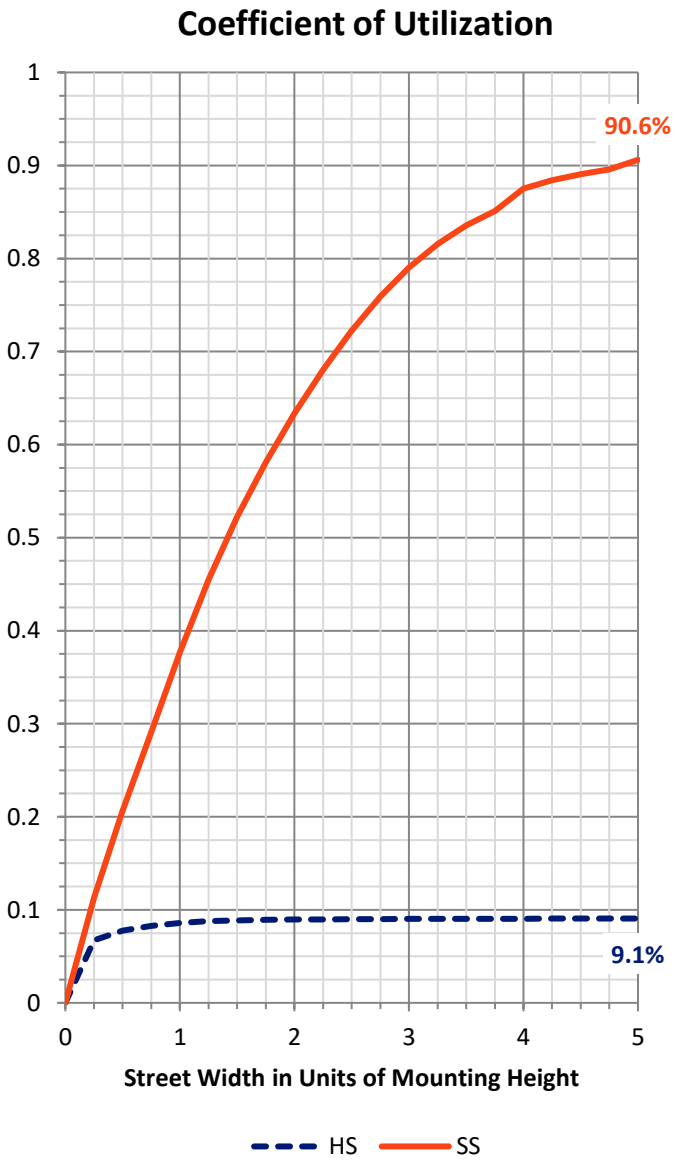
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	816.6	0.0	816.6
	% Fixture	9.1	0.0	9.1
Street Side	Lumens	8141.4	0.0	8141.4
	% Fixture	90.9	0.0	90.9
Total	Lumens	8958.0	0.0	8958.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	127.8	1.4
10°-20°	277.5	3.1
20°-30°	415.7	4.6
30°-40°	661.4	7.4
40°-50°	1181.1	13.2
50°-60°	1832.8	20.5
60°-70°	2436.4	27.2
70°-80°	1832.7	20.5
80°-90°	192.6	2.1
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°	8958.0	100.0
0°-180°	8958.0	100.0



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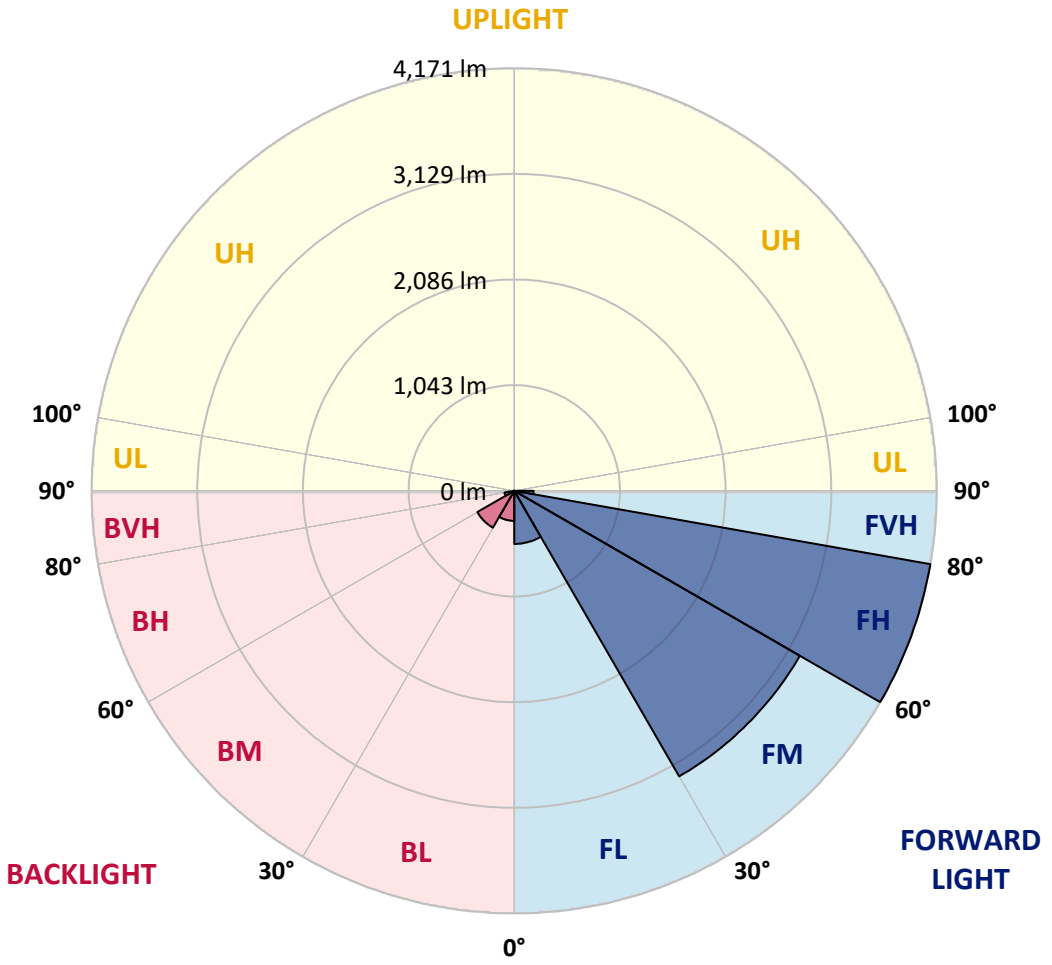
LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	524.1	5.9			
FM	(30°-60°)	3255.0	36.3			
FH	(60°-80°)	4171.4	46.6			G2/5000
FVH	(80°-90°)	191.0	2.1			G2/225
BL	(0°-30°)	296.9	3.3	B1/500		
BM	(30°-60°)	420.3	4.7	B1/1000		
BH	(60°-80°)	97.7	1.1	B0/110		G0/110
BVH	(80°-90°)	1.6	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 IV Short



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REPORT NUMBER: P322736
CATALOG NUMBER: GLEON-SA2D-830-U-T4FT-HSS

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	31°	35°	45°	55°	65°	75°	85°
0°	1541.2	1541.2	1541.2	1541.2	*1541.2*	1541.2	1541.2	1541.2	1541.2	1541.2	1541.2
2.5°	1460.6	1466.7	1473.3	1474.6	*1485.6*	1486.0	1501.8	1513.6	1525.5	1536.9	1540.8
5°	1310.7	1320.8	1332.6	1344.4	*1367.7*	1376.9	1415.4	1454.9	1492.6	1528.5	1546.1
7.5°	1150.7	1162.1	1178.7	1208.1	*1234.0*	1251.9	1312.9	1383.0	1453.1	1519.3	1557.5
10°	1004.7	1015.2	1032.8	1063.9	*1103.8*	1128.3	1210.3	1307.6	1410.6	1511.0	1574.6
12.5°	911.8	917.5	927.1	960.4	*996.4*	1024.0	1120.4	1241.0	1375.5	1510.6	1602.2
15°	894.7	896.4	888.5	903.4	*931.5*	958.2	1056.0	1187.1	1348.8	1517.6	1638.1
17.5°	921.9	921.0	894.7	892.9	*915.3*	937.2	1024.4	1149.8	1330.0	1533.8	1684.6
20°	963.1	960.0	914.4	906.1	*929.7*	950.3	1022.2	1135.8	1322.9	1561.0	1741.1
22.5°	1017.9	1012.6	941.1	932.4	*957.8*	979.3	1049.4	1149.4	1329.1	1597.4	1806.9
25°	1085.8	1077.9	987.2	977.5	*1003.4*	1024.9	1098.1	1188.4	1347.5	1641.6	1890.2
27.5°	1162.5	1151.1	1060.8	1035.8	*1065.2*	1087.5	1162.9	1248.0	1376.4	1688.5	1992.3
30°	1234.8	1219.9	1138.4	1097.2	*1133.1*	1158.1	1233.1	1319.0	1422.9	1760.9	2132.1
32.5°	1307.6	1290.9	1207.7	1158.6	*1191.0*	1218.2	1305.4	1416.8	1510.1	1871.3	2318.0
35°	1475.1	1457.5	1355.4	1274.3	*1273.8*	1289.2	1406.7	1550.4	1625.4	2025.2	2539.8
37.5°	1756.9	1746.8	1649.5	1495.7	*1454.4*	1437.4	1544.7	1710.0	1791.1	2236.9	2790.1
40°	2065.5	2056.7	1947.6	1808.2	*1745.5*	1703.4	1742.9	1932.3	2025.2	2495.5	3045.7
42.5°	2414.0	2372.4	2177.7	2136.1	*2080.0*	2048.0	2012.5	2206.2	2312.7	2777.0	3299.0
45°	2730.5	2660.4	2407.9	2344.7	*2332.0*	2339.9	2359.6	2574.4	2636.2	3111.4	3551.5
47.5°	2919.0	2863.7	2670.0	2609.5	*2606.0*	2658.2	2807.2	2990.4	2958.4	3402.9	3773.8
50°	3098.3	3048.3	2887.4	2902.3	*2918.5*	2989.6	3315.2	3418.3	3252.6	3667.2	3977.6
52.5°	3243.4	3167.1	3082.9	3166.6	*3246.4*	3360.8	3839.5	3802.3	3461.2	3877.7	4152.1
55°	3327.1	3292.5	3333.2	3417.4	*3567.3*	3753.2	4334.4	4121.8	3613.8	4069.7	4268.2
57.5°	3633.9	3566.0	3647.1	3719.8	*3915.4*	4175.3	4758.3	4359.8	3723.8	4188.4	4295.0
60°	4005.2	3950.4	3998.2	4119.2	*4383.1*	4688.6	5154.6	4554.0	3781.2	4264.7	4225.7
62.5°	4596.1	4523.8	4494.0	4629.4	*4979.2*	5312.8	5455.3	4688.6	3768.5	4231.0	3988.1
65°	5387.8	5312.8	5179.6	5302.3	*5747.2*	5982.6	5791.5	4717.1	3680.8	3957.9	3387.6
67.5°	6198.7	6144.4	6030.4	6237.3	*6638.8*	6714.7	6147.0	4647.8	3398.5	3209.2	2393.4
70°	6734.4	6711.2	6785.2	7242.9	*7601.0*	7579.1	6473.1	4275.7	2649.0	1973.5	1184.0
72.5°	6348.2	6459.5	7006.6	7836.4	*8273.9*	8095.0	6305.7	3283.2	1514.1	759.2	342.4
73°	*6028.2*	*6170.7*	*6907.1*	*7858.8*	*8326.9*	*8131.0*	*6165.0*	*3013.7*	*1290.5*	*599.2*	*259.5*
75°	4193.7	4368.6	5718.3	7319.1	*8078.8*	7747.0	5138.8	1844.6	597.9	265.6	104.8
77.5°	2036.1	2165.5	3148.7	5288.3	*6282.9*	6052.8	3199.1	687.3	270.0	166.1	48.2
80°	760.1	845.1	1366.8	2691.5	*3630.9*	3726.0	1407.1	259.9	179.7	133.7	24.5
82.5°	199.0	221.8	504.1	1200.2	*1860.8*	1947.6	443.6	131.1	131.5	110.0	14.9
85°	63.6	72.8	157.4	538.7	*876.7*	769.7	115.7	63.6	95.6	82.0	8.3
87.5°	7.9	10.1	50.0	126.7	*193.3*	107.4	18.0	18.8	40.8	45.6	4.8
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: P322736
CATALOG NUMBER: GLEON-SA2D-830-U-T4FT-HSS

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1541.2	1541.2	1541.2	1541.2	1541.2	1541.2	1541.2	1541.2	1541.2	1541.2	1541.2
2.5°	1544.7	1542.6	1543.0	1531.6	1524.1	1509.2	1493.9	1486.9	1479.4	1476.4	1479.4
5°	1552.6	1548.7	1537.3	1502.2	1465.0	1416.8	1371.6	1337.4	1294.5	1282.6	1294.9
7.5°	1564.9	1557.0	1523.7	1452.3	1369.4	1277.4	1173.9	1098.5	1036.7	996.8	1011.3
10°	1582.9	1568.0	1500.9	1379.5	1231.3	1068.3	921.4	807.0	725.9	692.6	691.3
12.5°	1613.1	1585.1	1472.9	1284.8	1062.6	845.1	652.7	528.7	462.9	420.4	419.5
15°	1646.4	1605.2	1437.4	1171.3	866.2	605.4	420.4	326.1	283.6	270.0	268.3
17.5°	1687.2	1628.5	1391.3	1031.4	660.6	401.1	274.4	247.2	245.5	244.2	244.2
20°	1738.5	1656.1	1332.1	871.4	468.6	267.8	233.2	235.0	235.8	234.1	234.5
22.5°	1798.1	1684.1	1261.6	699.6	316.9	224.0	223.1	225.3	226.2	225.3	225.8
25°	1867.4	1716.6	1175.7	519.4	228.8	212.6	214.8	217.9	220.1	220.1	220.1
27.5°	1953.3	1756.0	1072.2	362.5	197.7	200.8	206.9	212.6	215.7	216.5	216.5
30°	2065.1	1805.1	948.2	248.5	179.7	185.0	196.4	207.3	213.0	213.9	214.4
32.5°	2206.2	1860.4	804.4	183.7	164.4	168.3	180.6	199.0	210.0	211.7	211.7
35°	2368.0	1924.4	649.6	160.0	153.4	154.7	164.4	185.4	204.7	209.5	210.0
37.5°	2545.1	1987.5	494.0	149.5	144.2	144.2	151.2	169.2	192.0	206.9	208.7
40°	2710.3	2025.6	346.3	141.1	135.9	135.9	142.0	155.2	176.7	199.0	203.8
42.5°	2862.9	2038.8	241.1	133.3	128.0	129.3	134.6	145.1	161.3	183.7	188.1
45°	3019.8	2036.6	175.8	124.1	120.1	124.1	128.0	135.9	147.7	160.4	161.3
47.5°	3138.2	2018.2	139.4	115.3	112.7	117.9	121.4	126.7	133.3	132.4	132.4
50°	3249.1	1973.5	112.2	103.5	105.2	111.3	113.1	114.8	115.3	107.0	106.1
52.5°	3333.2	1903.8	89.9	90.7	97.8	103.9	102.1	99.5	95.1	85.0	83.3
55°	3361.3	1769.6	70.6	75.0	86.8	94.7	88.1	82.4	74.1	65.8	64.0
57.5°	3310.4	1596.5	57.4	58.3	73.2	79.8	72.3	65.8	56.5	49.5	48.2
60°	3202.6	1404.0	47.3	43.8	56.5	62.2	57.4	50.8	42.5	37.3	36.8
62.5°	2988.7	1198.9	39.0	34.2	43.0	47.8	44.7	39.9	32.9	29.4	28.9
65°	2538.9	959.1	31.6	27.6	33.3	37.3	34.6	31.1	25.9	23.2	22.8
67.5°	1772.3	648.3	25.9	22.8	26.3	29.4	27.2	25.4	20.6	20.2	20.6
70°	854.8	312.5	21.5	18.4	20.6	22.8	21.9	20.6	19.7	22.8	26.3
72.5°	245.0	104.8	17.1	15.3	16.7	18.0	18.8	18.4	21.5	27.6	32.0
73°	*188.5*	*84.6*	*16.2*	*14.5*	*15.8*	*17.5*	*18.4*	*18.0*	*21.9*	*28.1*	*32.0*
75°	80.7	40.8	12.3	11.8	13.2	15.3	16.2	16.2	21.9	28.5	30.7
77.5°	36.4	21.9	7.9	9.2	11.4	12.3	13.6	13.6	17.5	21.9	21.9
80°	20.6	11.8	6.1	7.0	8.3	8.3	8.3	7.5	7.9	8.8	9.6
82.5°	13.2	7.9	4.8	5.7	5.3	4.4	3.5	3.5	3.1	3.5	4.4
85°	7.5	4.4	4.4	3.5	2.2	1.8	2.2	1.8	0.4	0.0	0.4
87.5°	4.4	2.6	1.3	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

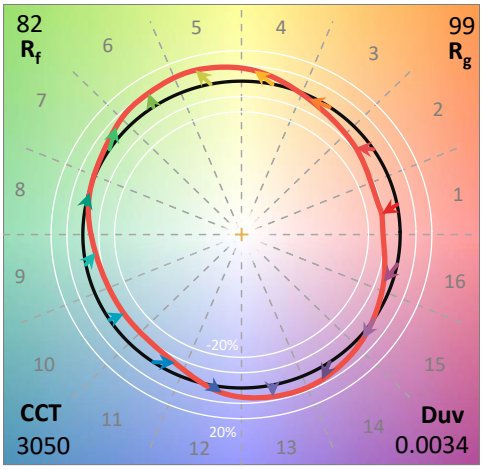
Test Information

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

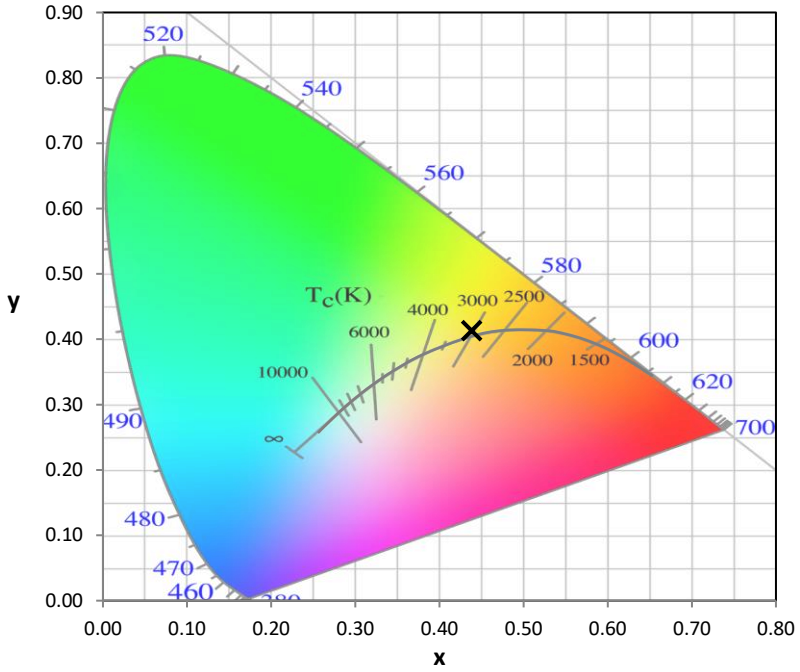
Stabilization Time:	20M
Operation Time:	1H 20M
Sphere Temperature (°C):	24.2

REPORT NUMBER: SP1-2408-195-9

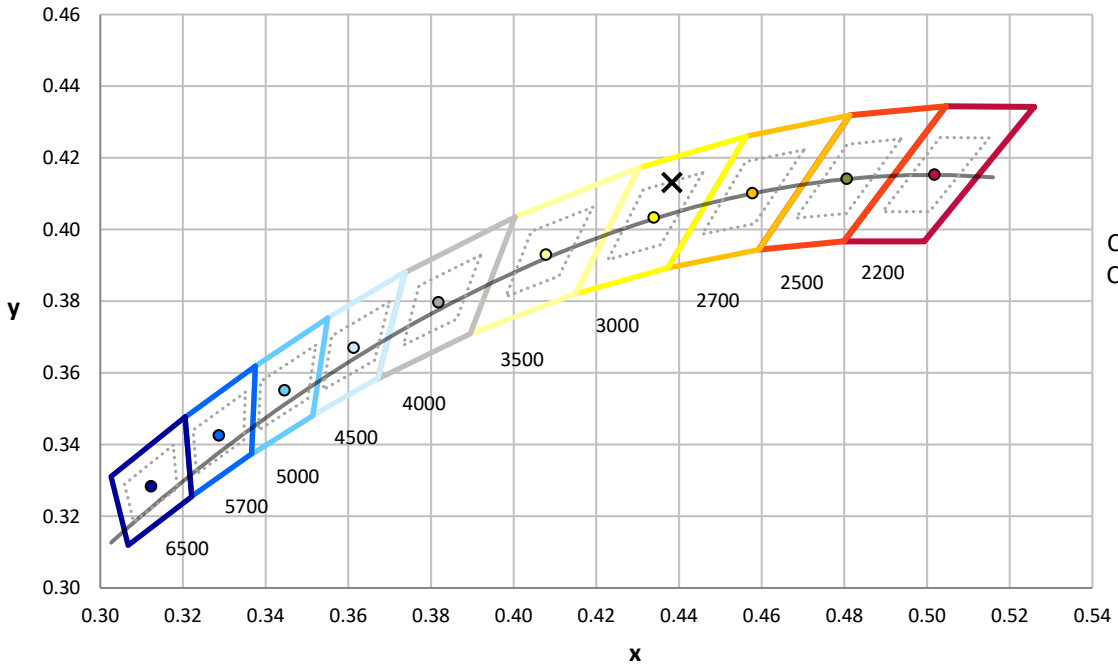
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

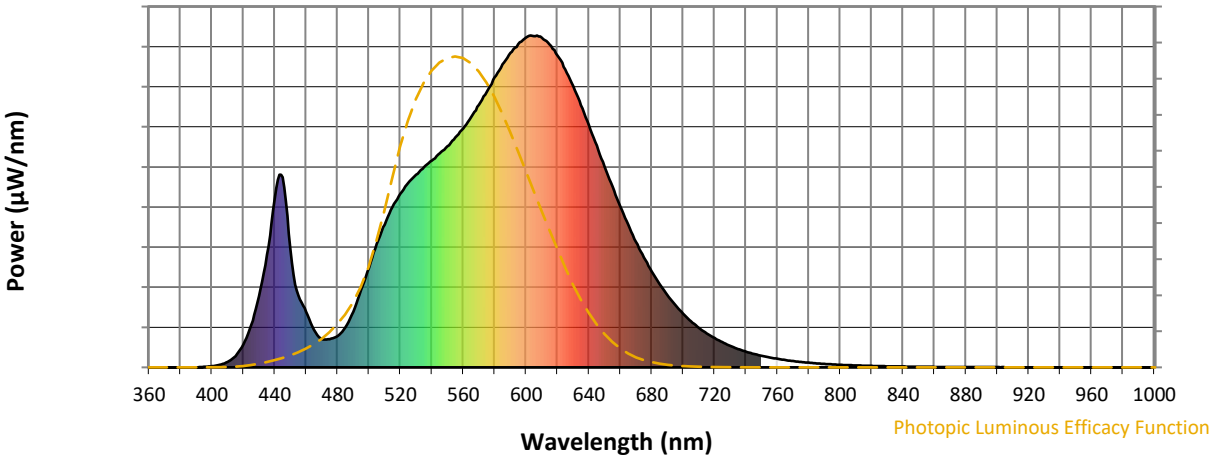


CCT = 3050K
CIE x = 0.4383
CIE y = 0.4131
Duv = 0.0034

Point lies inside the ANSI 3000K 4-step quadrangle

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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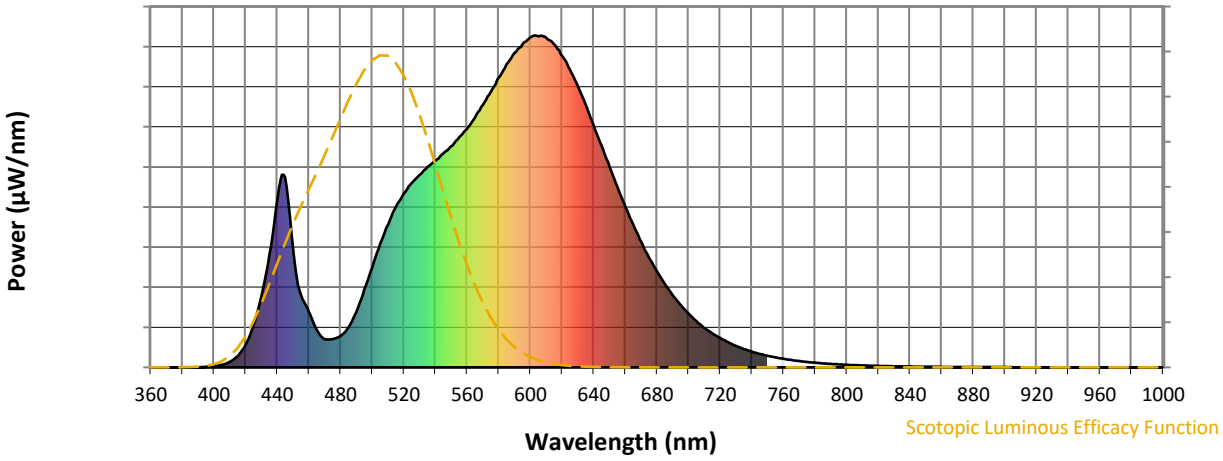
Scotopic Flux vs. Wavelength



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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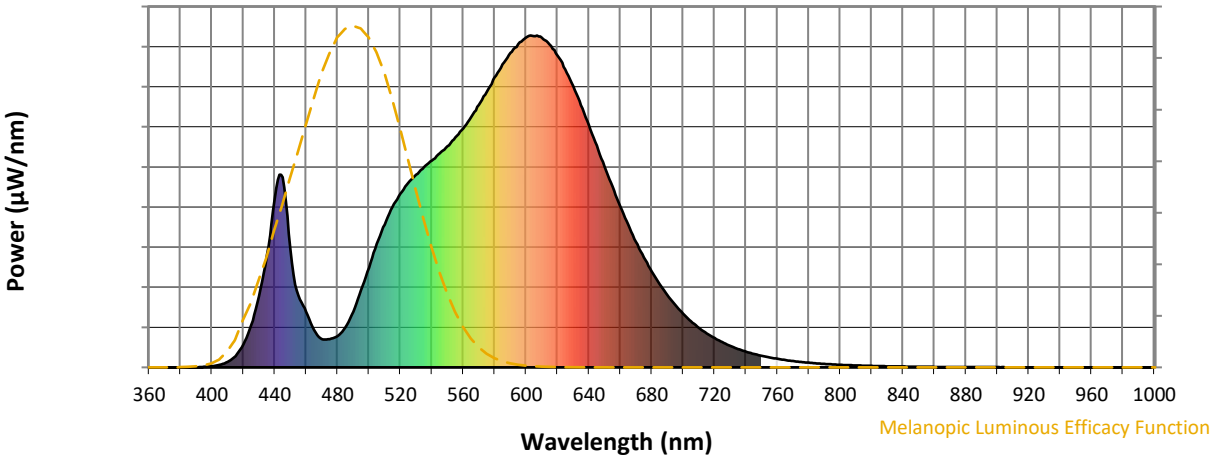
Melanopic Flux vs. Wavelength



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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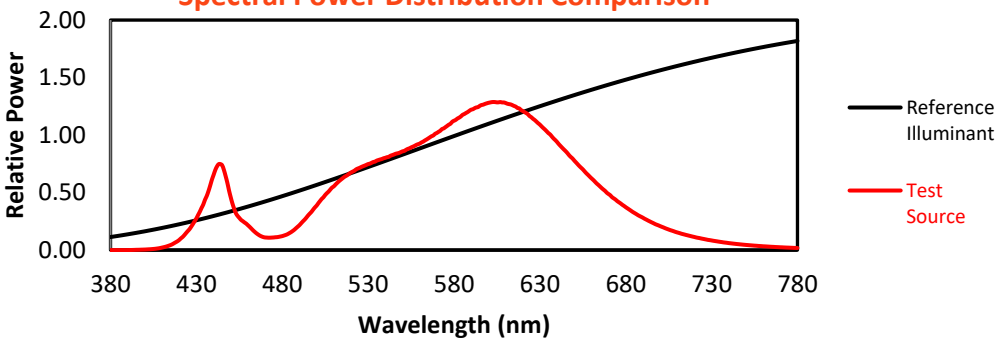
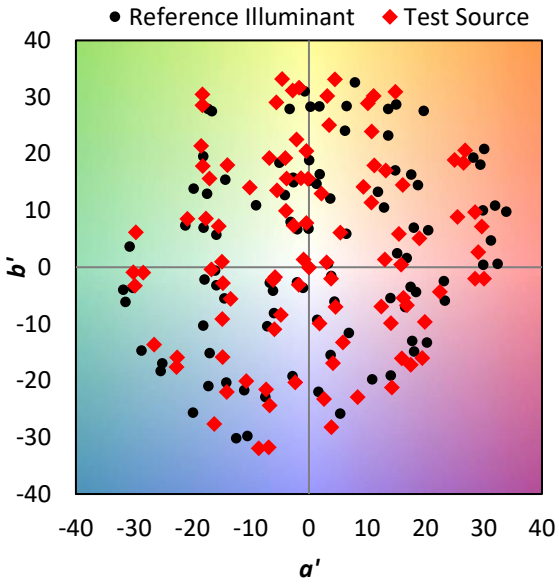
Summary

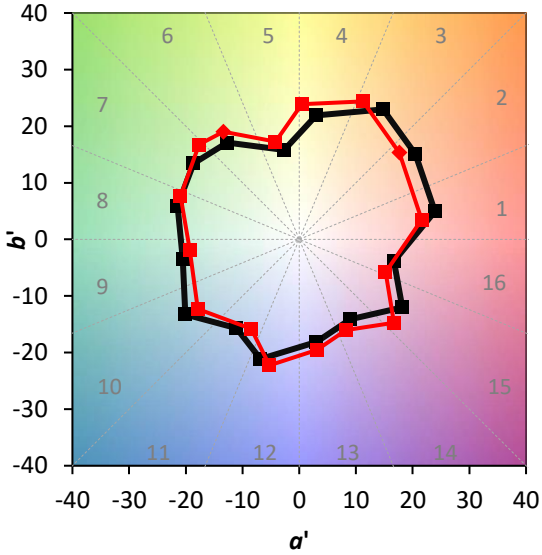
R_f = 81.5
R_g = 99.2
CIE R_a = 81.0
R_9 = 7.1

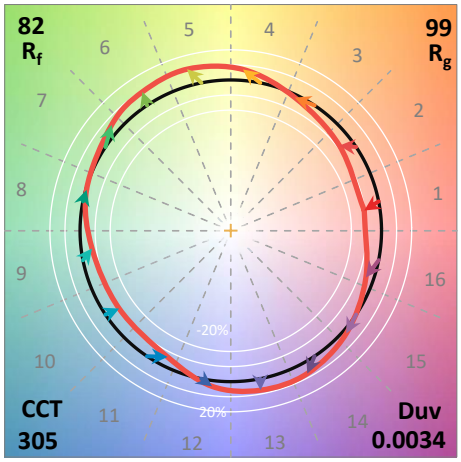
Spectral Power Distribution Comparison

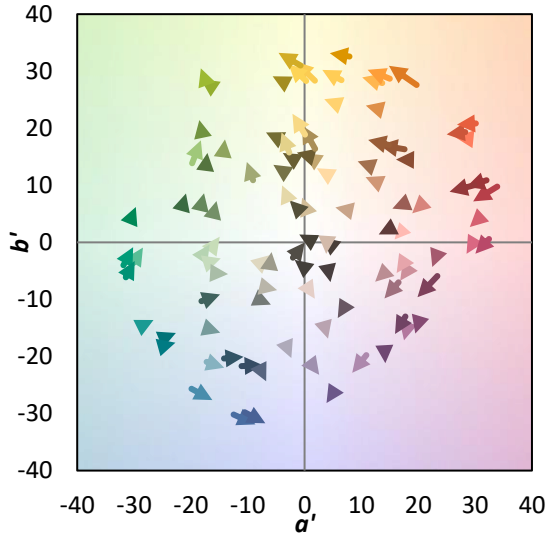


Color Vector Graphics









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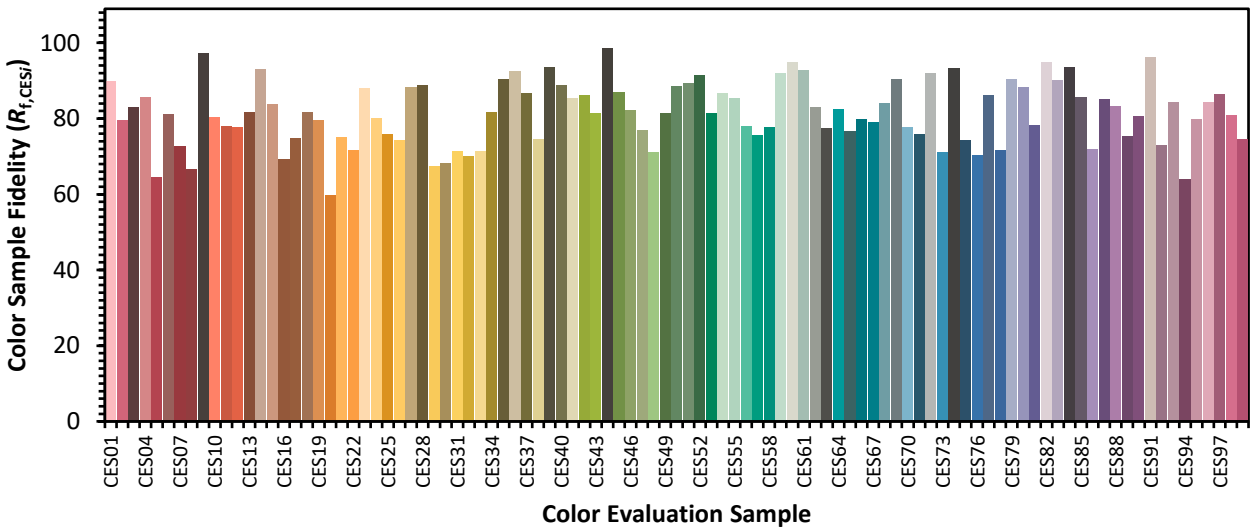
Individual Sample Fidelity Index ($R_{f,i}$)

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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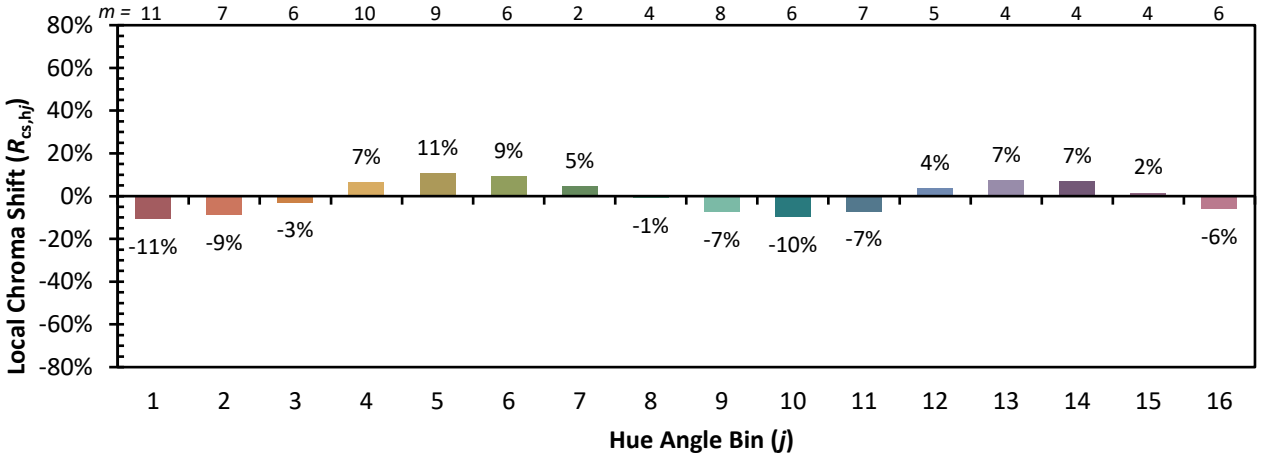
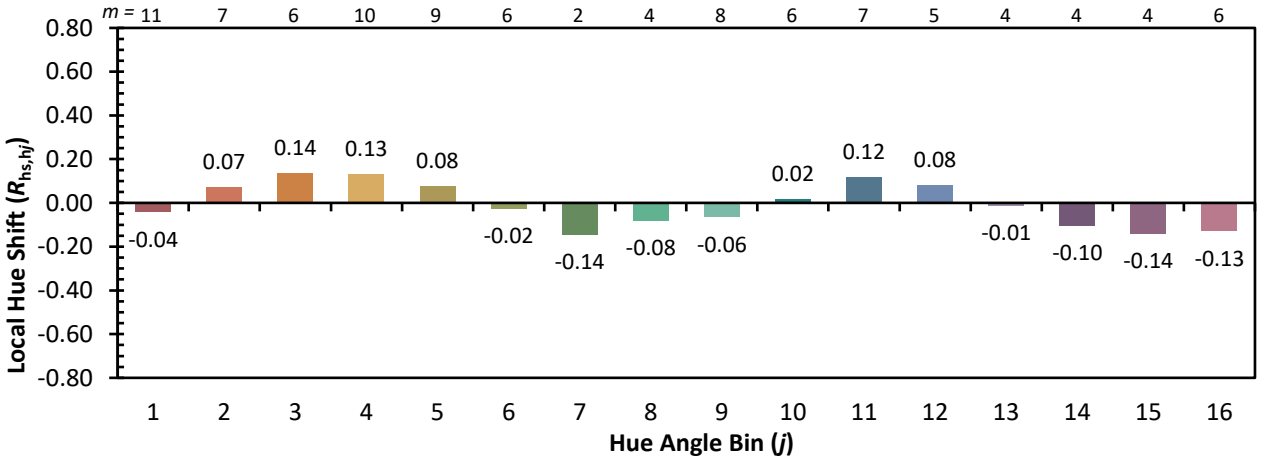
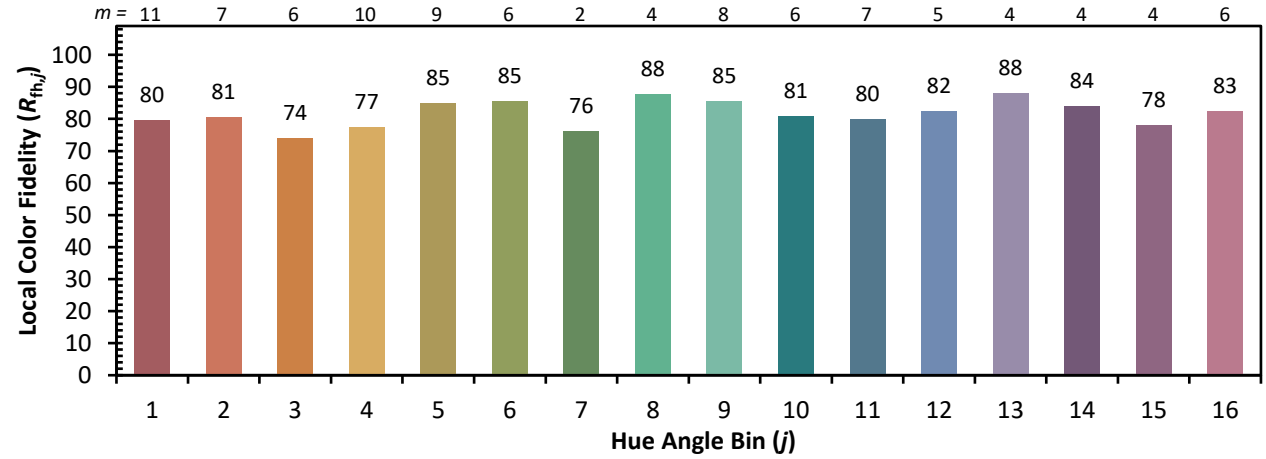
Color Rendition by Hue-Angle Bin







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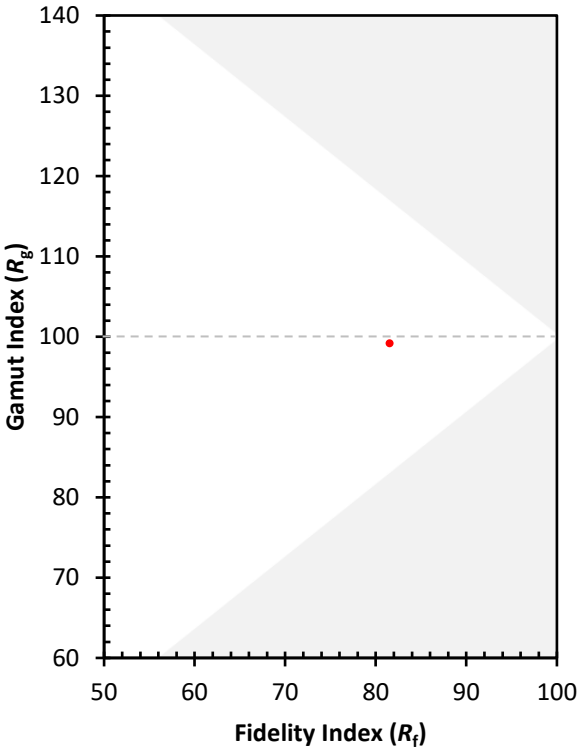
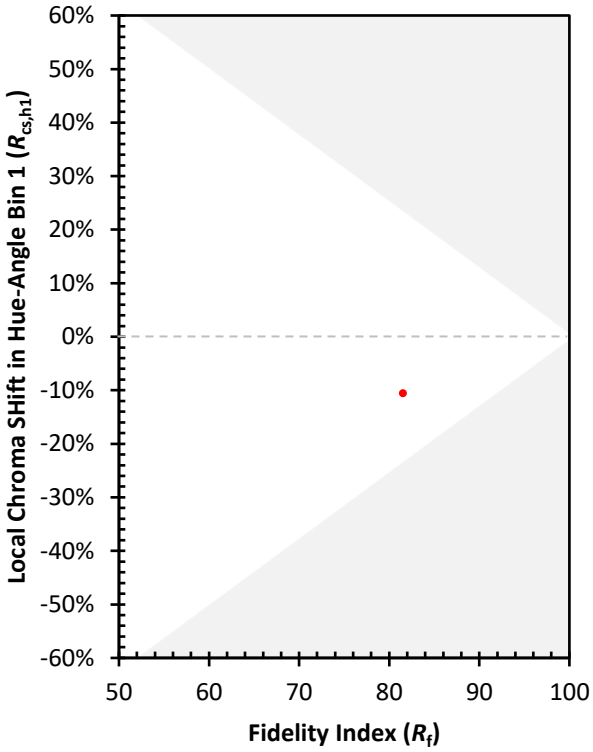
Measure Comparisons





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