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: P323046

Luminaire Tested: **GLEON-SA2C-830-U-T4W-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:	P323046
	TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-19)
Test Lab:	INNOVATION CENTER
Issue Date:	3/3/2020
Manufacturer:	COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line:	McGRAW-EDISON
Catalog Number:	GLEON-SA2C-830-U-T4W-HSS
Description:	GALLEON AREA AND ROADWAY LUMINAIRE
	(2) 80 CRI, 3000K, 1050mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE IV WIDE OPTICS WITH HOUSE SIDE SHIELD
Light Source:	-
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	8335 lumens
Efficiency:	N/A
Efficacy:	73.8 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):	113
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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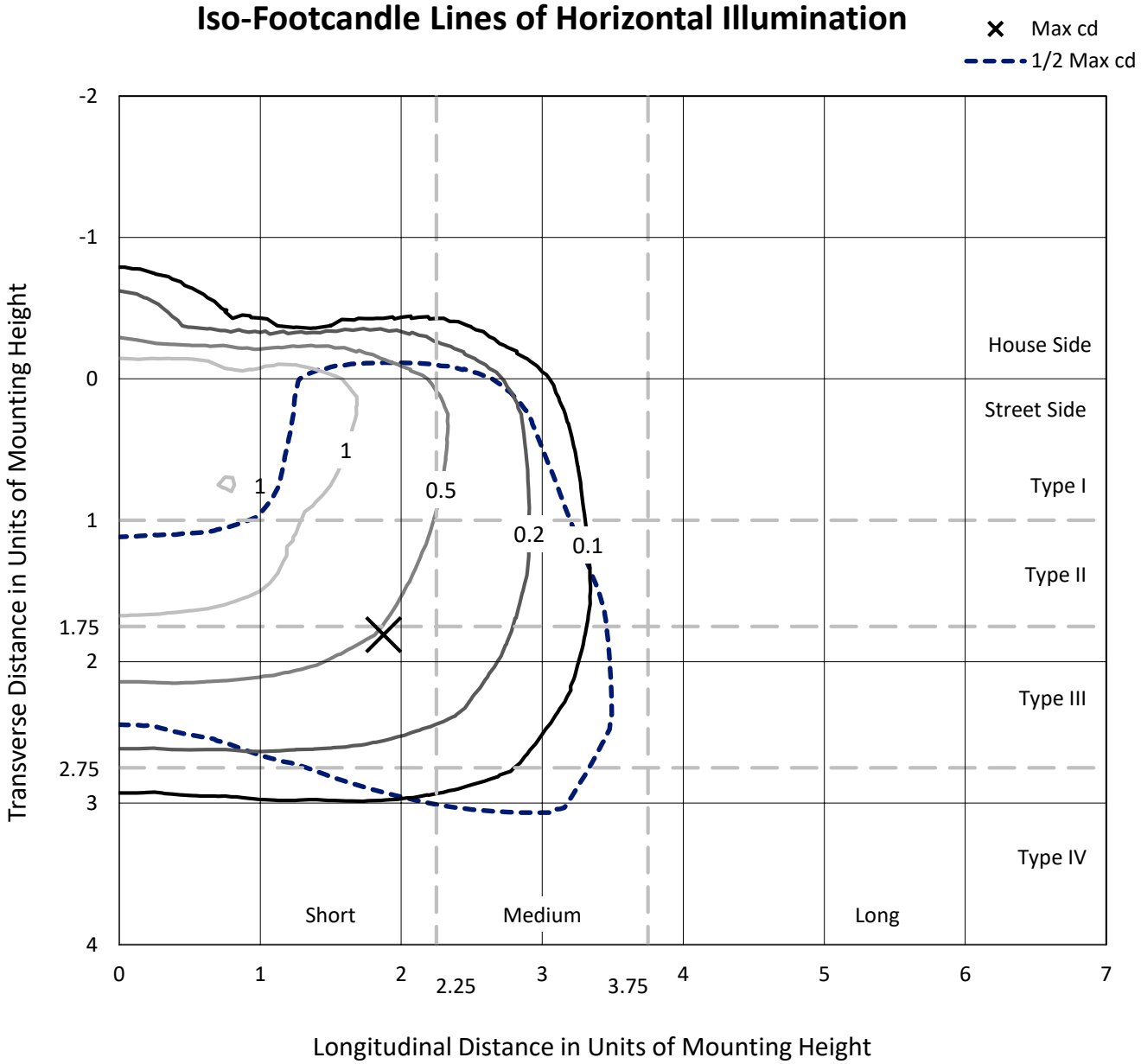
Scaled Data Report

REPORT NUMBER: P323046
CATALOG NUMBER: GLEON-SA2C-830-U-T4W-HSS

Iso-Footcandle Lines of Horizontal Illumination



Based on 25 foot mounting height. Maximum calculated value = 1.9 fc
Type IV - Short - N/A

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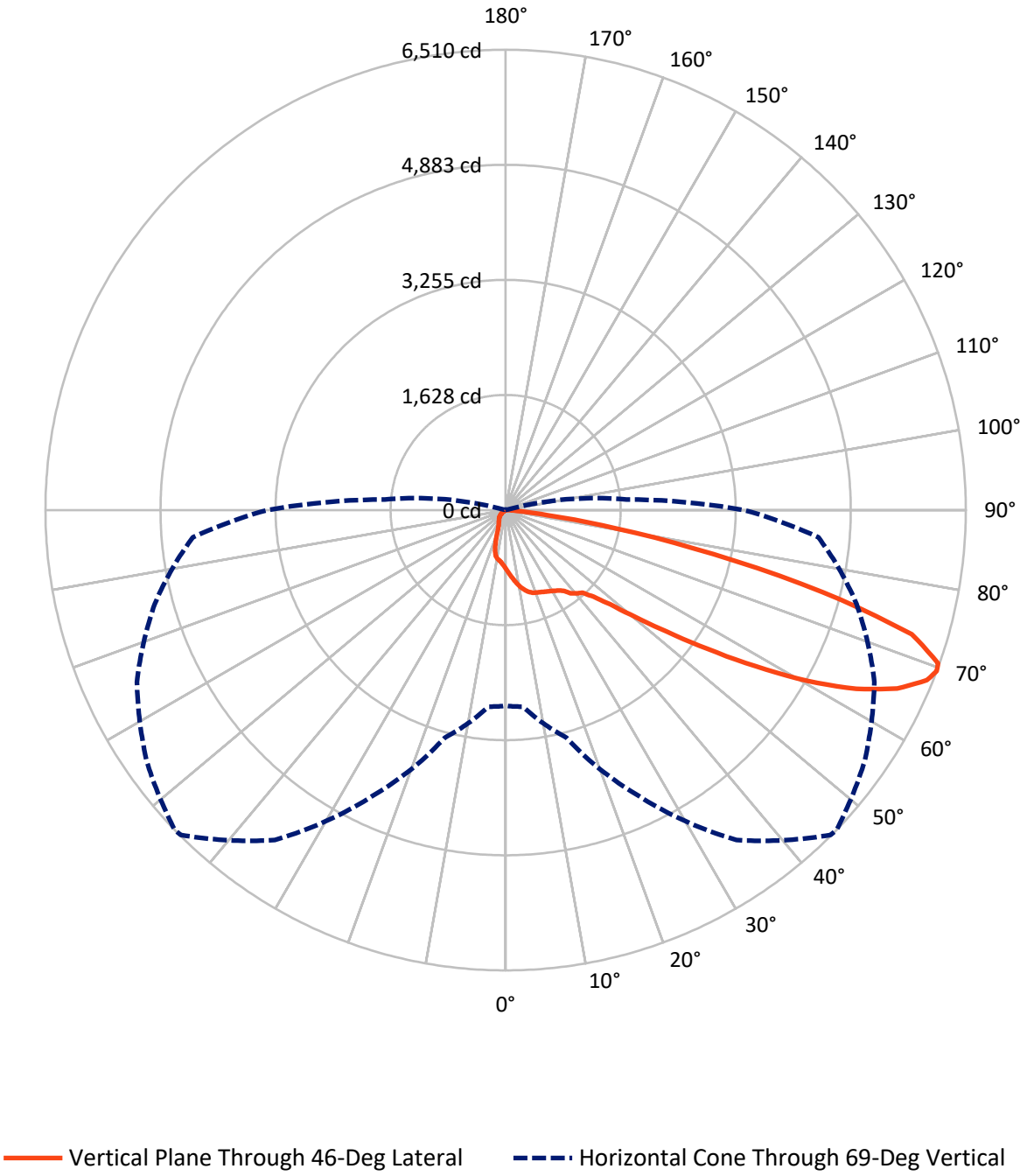
Luminous Intensity Polar Plot



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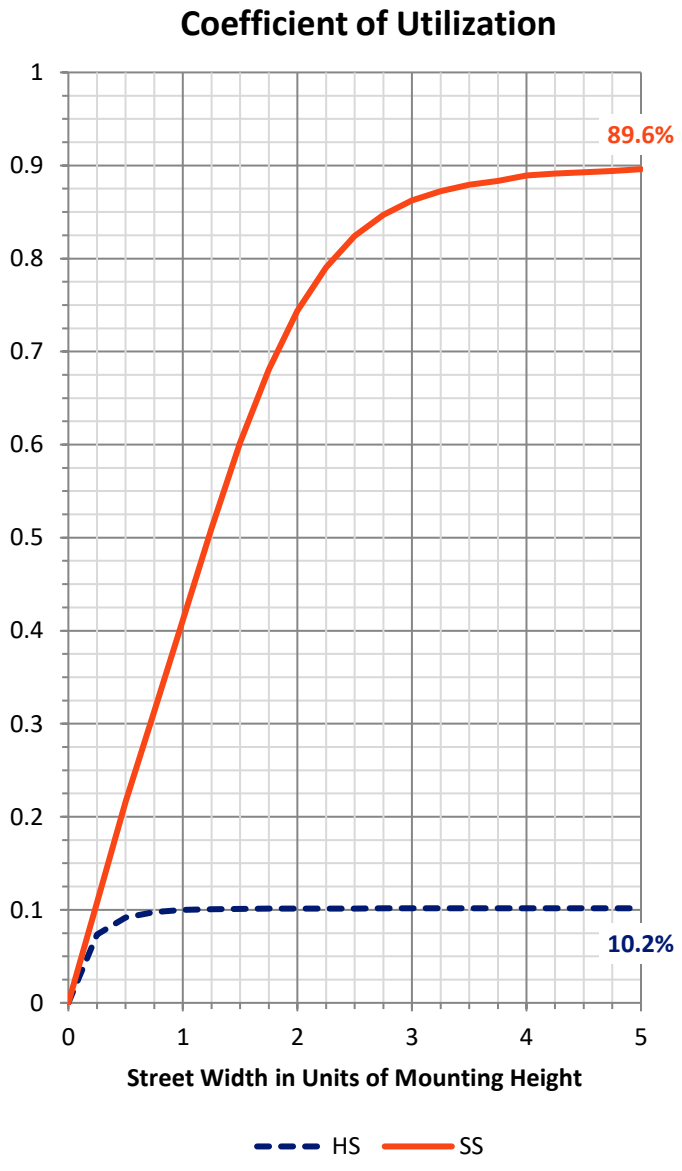
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	855.4	0.0	855.4
	% Fixture	10.3	0.0	10.3
Street Side	Lumens	7479.6	0.0	7479.6
	% Fixture	89.7	0.0	89.7
Total	Lumens	8335.0	0.0	8335.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	83.1	1.0
10°-20°	252.2	3.0
20°-30°	396.6	4.8
30°-40°	568.7	6.8
40°-50°	983.0	11.8
50°-60°	1941.9	23.3
60°-70°	2714.0	32.6
70°-80°	1311.2	15.7
80°-90°	84.3	1.0
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°	8335.0	100.0
0°-180°	8335.0	100.0



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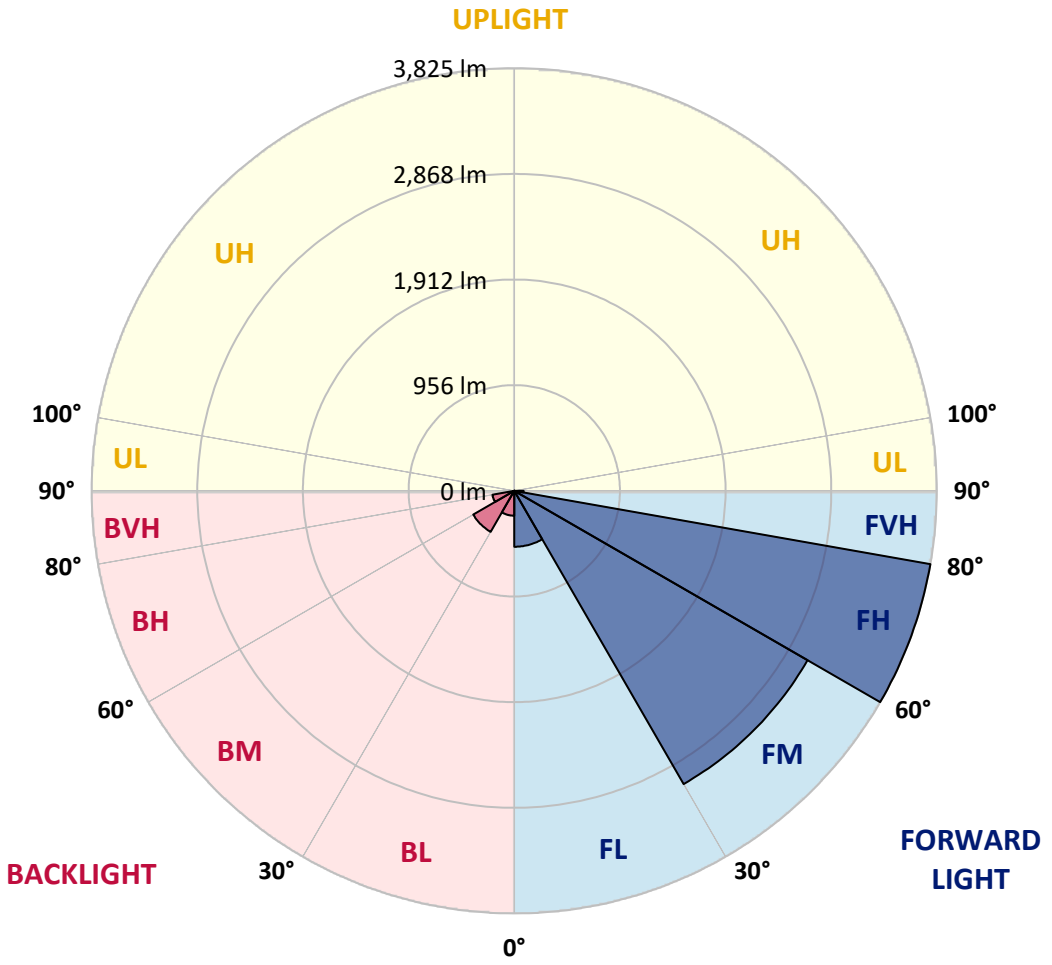
LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	506.5	6.1			
FM	(30°-60°)	3065.0	36.8			
FH	(60°-80°)	3824.6	45.9			G2/5000
FVH	(80°-90°)	83.6	1.0			G1/100
BL	(0°-30°)	225.5	2.7	B1/500		
BM	(30°-60°)	428.7	5.1	B1/1000		
BH	(60°-80°)	200.6	2.4	B1/500		G1/500
BVH	(80°-90°)	0.7	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: P323046
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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	46°	55°	65°	75°	85°
0°	835.1	835.1	835.1	835.1	835.1	835.1	*835.1*	835.1	835.1	835.1	835.1
2.5°	927.8	926.6	921.1	918.8	905.5	897.7	*894.5*	884.8	870.7	856.6	841.0
5°	1033.3	1032.9	1022.7	1012.9	987.9	964.5	*960.2*	937.5	905.9	876.2	846.5
7.5°	1141.1	1136.1	1125.9	1107.1	1070.8	1033.3	*1029.8*	997.7	952.8	909.8	867.2
10°	1232.6	1229.5	1216.2	1187.6	1145.0	1102.4	*1098.1*	1058.7	1007.9	955.1	900.8
12.5°	1303.7	1301.4	1283.8	1248.2	1202.9	1158.7	*1152.9*	1117.7	1063.4	1004.4	940.3
15°	1347.1	1345.9	1324.4	1286.5	1242.0	1203.7	*1198.6*	1167.7	1117.3	1055.5	983.2
17.5°	1357.2	1357.6	1335.4	1297.1	1260.3	1233.0	*1229.1*	1205.6	1163.4	1102.1	1026.2
20°	1334.6	1339.3	1319.3	1286.1	1263.5	1249.0	*1245.9*	1231.8	1196.2	1138.4	1060.6
22.5°	1302.5	1304.9	1291.2	1268.9	1259.5	1262.3	*1260.7*	1252.9	1222.8	1169.7	1094.6
25°	1283.0	1283.0	1274.8	1256.0	1262.3	1279.1	*1279.5*	1277.9	1254.1	1208.0	1136.1
27.5°	1282.2	1279.9	1270.5	1256.4	1273.6	1299.4	*1301.0*	1311.5	1296.7	1254.5	1187.6
30°	1313.5	1310.7	1290.8	1272.4	1294.3	1322.1	*1326.0*	1349.0	1341.6	1304.9	1245.1
32.5°	1386.6	1376.8	1332.6	1302.5	1318.9	1352.2	*1357.2*	1394.0	1405.7	1367.0	1300.6
35°	1486.6	1455.7	1392.0	1359.6	1361.2	1395.9	*1400.6*	1454.6	1489.3	1424.1	1343.6
37.5°	1624.5	1609.3	1505.7	1419.0	1426.0	1478.8	*1492.5*	1551.1	1541.3	1455.3	1392.4
40°	1927.0	1903.2	1793.0	1585.5	1488.2	1546.0	*1550.3*	1581.6	1582.3	1526.1	1494.0
42.5°	2338.9	2329.2	2213.1	1887.6	1610.5	1590.9	*1598.8*	1651.5	1710.5	1675.4	1673.8
45°	2795.0	2789.9	2666.8	2288.5	1857.9	1738.3	*1748.0*	1818.8	1931.7	1939.5	1989.2
47.5°	3161.9	3159.6	3088.9	2736.0	2236.5	1988.0	*1991.1*	2066.2	2264.7	2362.8	2442.1
50°	3496.5	3507.8	3451.9	3220.2	2752.4	2379.2	*2371.8*	2421.8	2740.7	2901.3	2999.8
52.5°	3961.5	3977.5	3820.8	3671.9	3293.6	2864.6	*2858.7*	2911.1	3312.8	3433.2	3450.7
55°	4372.3	4344.9	4221.0	4178.0	3953.7	3464.0	*3462.5*	3508.6	3866.2	3917.4	3949.8
57.5°	4553.6	4543.0	4602.8	4701.3	4645.0	4172.6	*4169.0*	4133.9	4361.3	4366.8	4466.4
60°	4668.1	4681.0	4864.3	5167.9	5308.2	4935.0	*4912.3*	4697.8	4834.2	4822.1	4928.7
62.5°	4582.1	4607.5	4937.3	5443.4	5804.5	5600.5	*5568.5*	5214.4	5238.3	5196.4	5295.7
65°	4125.7	4165.1	4705.6	5391.5	6050.7	6120.7	*6088.2*	5670.5	5559.1	5490.3	5435.2
67.5°	3349.9	3373.4	3937.7	4939.3	5939.7	6431.0	*6424.3*	6070.3	5801.4	5440.7	5013.2
69°	*2768.4*	*2791.5*	*3334.7*	*4463.3*	*5695.5*	*6497.4*	*6510.3*	*6198.5*	*5755.3*	*5139.0*	*4441.8*
70°	2344.8	2369.4	2875.5	4055.3	5412.2	6466.5	*6489.6*	6186.3	5623.2	4789.6	3940.4
72.5°	1229.8	1250.9	1770.3	2793.8	4412.1	5937.8	*6007.7*	5663.4	4766.6	3478.5	2329.9
75°	386.5	398.6	691.3	1460.4	3020.9	4616.9	*4632.9*	4442.6	3384.7	1913.3	970.4
77.5°	147.3	143.8	230.2	538.1	1527.2	2907.1	*3005.2*	2776.2	1776.2	676.5	223.9
80°	79.3	79.7	119.6	222.8	653.4	1494.0	*1576.9*	1345.5	631.1	211.0	51.6
82.5°	34.4	36.0	67.2	118.0	300.1	551.0	*592.5*	493.2	241.1	141.9	19.1
85°	7.4	8.2	32.4	64.1	122.3	154.8	*162.2*	159.8	153.6	110.2	7.4
87.5°	0.0	0.0	14.5	23.1	30.9	35.2	*30.9*	40.3	84.8	74.3	3.9
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: P323046
CATALOG NUMBER: GLEON-SA2C-830-U-T4W-HSS

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	835.1	835.1	835.1	835.1	835.1	835.1	835.1	835.1	835.1	835.1	835.1
2.5°	835.9	828.9	816.8	803.5	794.1	784.3	776.5	773.0	769.1	766.4	769.9
5°	834.4	820.7	797.2	774.6	758.1	744.9	733.9	729.6	725.3	722.2	721.8
7.5°	848.0	828.9	792.9	759.7	734.3	716.3	701.5	695.2	690.1	687.8	685.9
10°	874.2	849.6	801.5	758.1	725.3	694.8	662.8	638.2	622.2	614.7	612.0
12.5°	908.2	877.3	817.9	766.4	718.7	660.1	592.1	533.4	495.5	483.0	475.6
15°	948.1	909.8	839.4	776.9	694.4	587.4	472.1	395.5	360.3	353.3	345.5
17.5°	986.4	944.2	865.2	778.9	641.3	469.3	345.9	293.9	280.2	284.9	286.1
20°	1020.0	978.2	890.6	761.7	544.8	352.1	267.7	254.8	259.9	268.9	270.4
22.5°	1054.0	1011.0	914.1	716.3	421.3	267.3	241.1	244.2	249.3	258.3	259.9
25°	1095.4	1050.9	936.0	633.1	316.2	227.4	229.0	233.7	238.8	247.0	247.8
27.5°	1143.1	1101.3	950.4	524.8	234.5	209.1	214.2	221.2	226.3	234.1	235.7
30°	1206.4	1167.7	955.1	412.7	196.6	192.7	195.0	203.6	211.0	218.1	219.2
32.5°	1265.8	1233.4	939.5	311.5	182.1	177.4	177.4	182.5	191.1	197.7	199.3
35°	1320.5	1299.4	889.5	227.8	171.2	163.4	159.4	159.4	164.9	170.4	172.0
37.5°	1392.8	1392.0	808.6	181.7	160.6	151.6	143.4	137.2	135.2	136.4	137.2
40°	1516.7	1517.9	703.0	163.0	151.6	139.5	127.0	115.7	105.1	101.6	101.2
42.5°	1710.1	1692.5	592.5	154.0	143.8	127.0	108.3	93.0	76.6	71.5	71.1
45°	2017.3	1913.0	475.2	145.8	135.6	112.9	89.5	68.8	55.5	51.6	51.6
47.5°	2464.8	2202.5	368.1	136.8	124.7	96.9	67.6	49.6	40.6	38.7	39.1
50°	2927.5	2486.3	282.2	125.4	111.4	80.1	50.0	36.0	30.9	30.9	31.3
52.5°	3337.8	2694.2	220.0	113.3	95.0	62.9	37.9	28.1	25.8	25.4	25.8
55°	3722.0	2828.2	168.4	99.3	75.4	46.9	28.9	23.1	21.5	20.7	20.3
57.5°	4092.4	2894.6	126.2	80.1	54.7	34.0	23.1	19.5	18.0	16.8	16.4
60°	4339.0	2840.7	86.8	59.0	37.9	24.6	19.1	16.8	14.9	13.7	13.3
62.5°	4478.2	2693.4	55.9	42.6	27.0	18.4	15.2	14.1	11.3	10.2	10.2
65°	4421.9	2450.3	39.1	30.5	19.5	13.7	11.3	11.3	8.2	6.6	6.3
67.5°	3918.5	2070.1	29.7	22.7	14.1	10.2	8.6	9.8	5.1	3.1	3.1
69°	*3371.4*	*1715.6*	*25.4*	*18.8*	*11.7*	*8.2*	*7.4*	*9.0*	*3.5*	*2.3*	*2.0*
70°	2930.2	1480.0	23.1	16.4	9.8	7.0	6.6	8.6	3.5	2.0	1.6
72.5°	1753.1	825.4	17.6	11.7	6.3	5.5	5.5	9.8	3.5	2.0	1.6
75°	708.5	290.8	12.9	8.2	4.7	4.7	6.6	12.5	3.1	1.6	1.2
77.5°	160.6	63.7	7.4	5.1	3.1	4.7	7.8	9.8	2.0	0.8	0.0
80°	39.1	15.6	4.7	3.1	2.0	3.5	5.9	5.5	0.4	0.0	0.0
82.5°	12.9	5.5	2.0	1.6	0.4	1.2	2.7	1.6	0.0	0.0	0.0
85°	5.5	3.1	0.8	0.4	0.0	0.0	0.4	0.0	0.0	0.0	0.0
87.5°	3.5	1.2	0.0	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

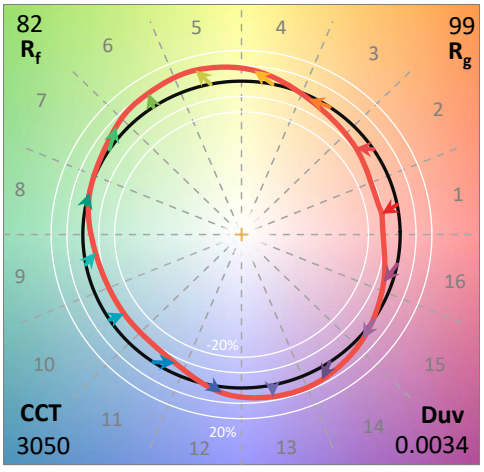
Test Information

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

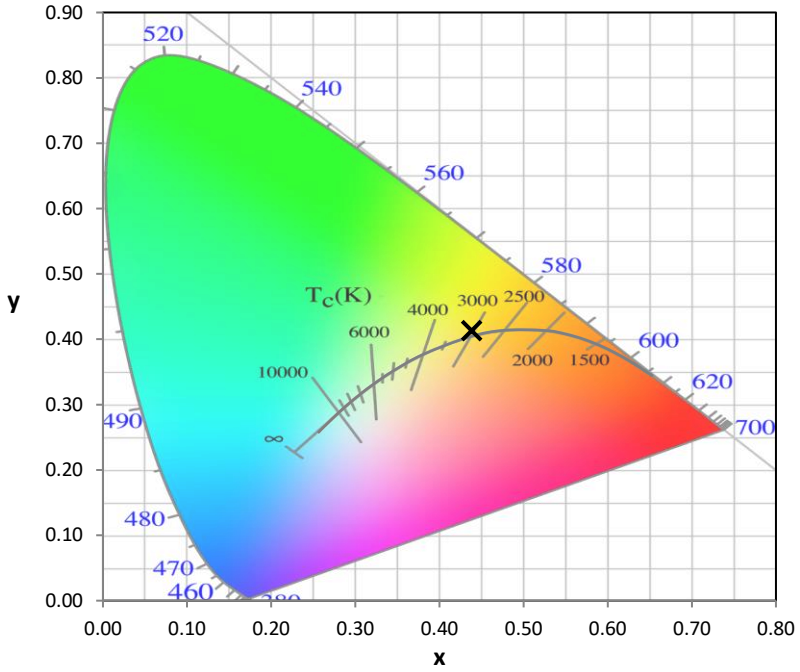
Stabilization Time:	20M
Operation Time:	1H 20M
Sphere Temperature (°C):	24.2

REPORT NUMBER: SP1-2408-195-9

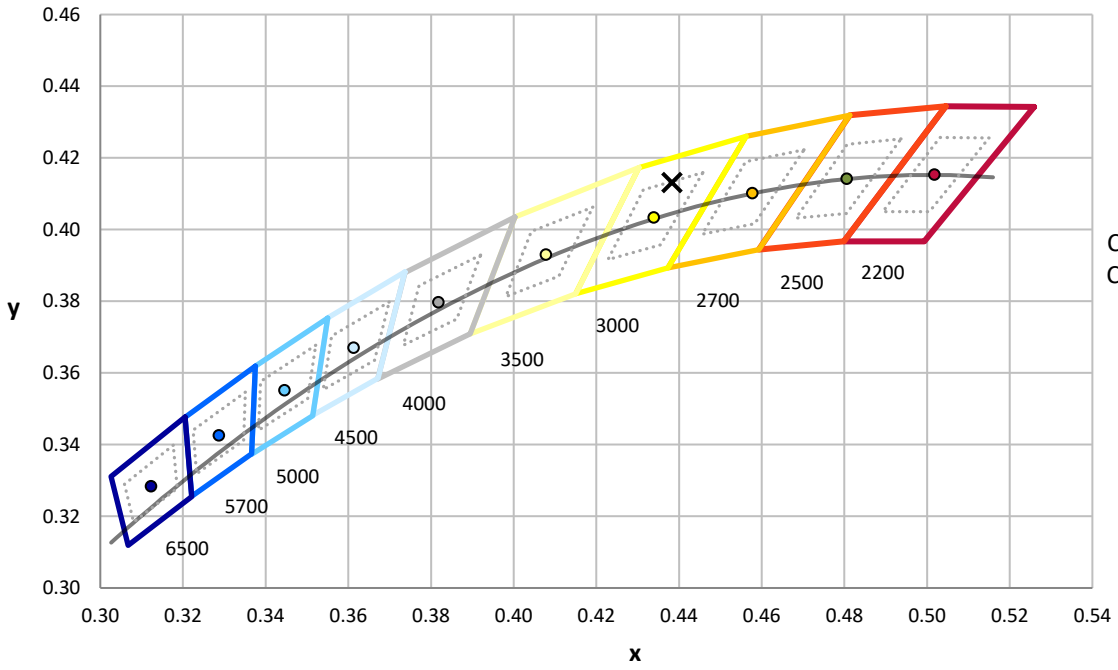
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

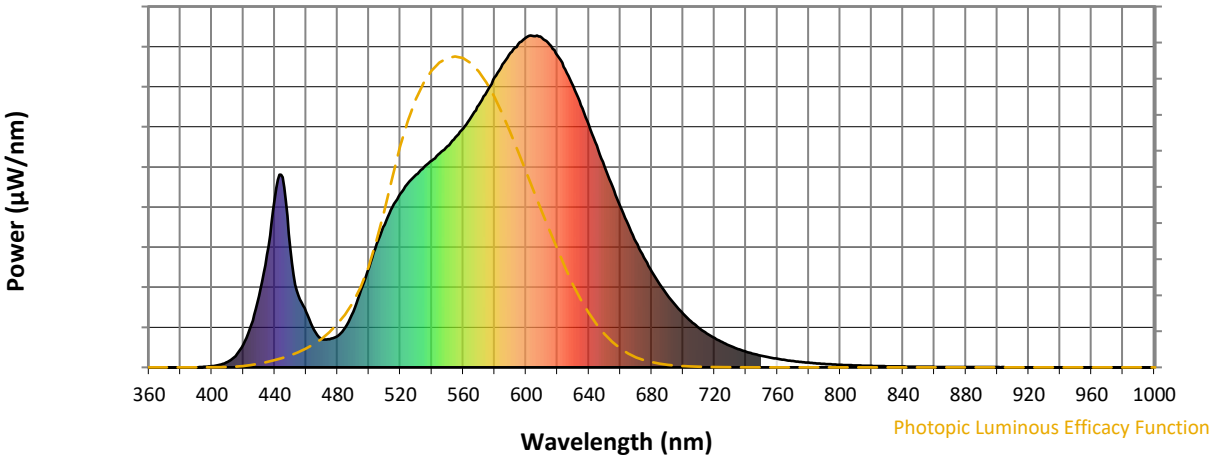


CCT = 3050K
CIE x = 0.4383
CIE y = 0.4131
Duv = 0.0034

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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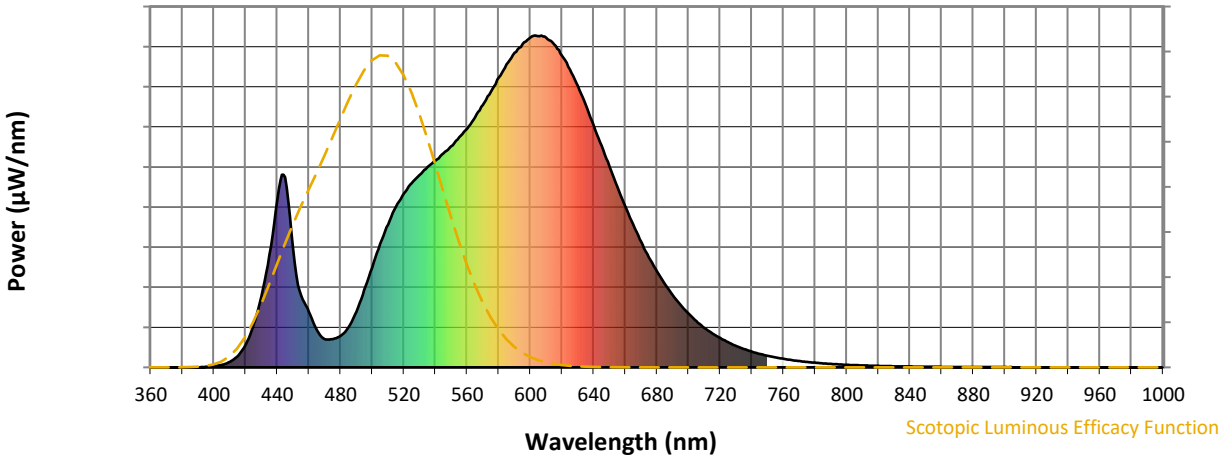
Scotopic Flux vs. Wavelength



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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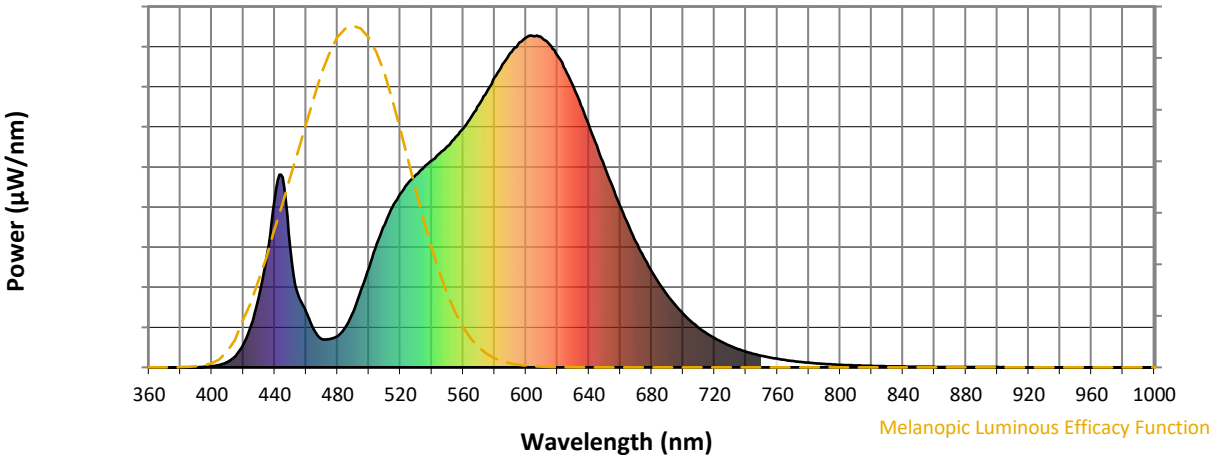
Melanopic Flux vs. Wavelength



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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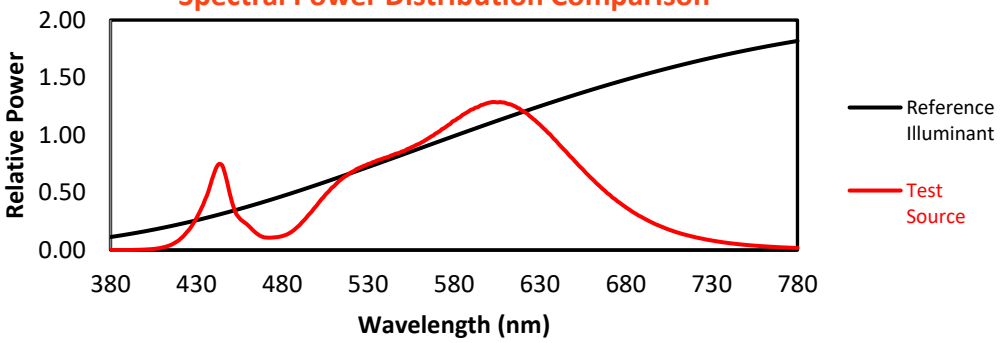
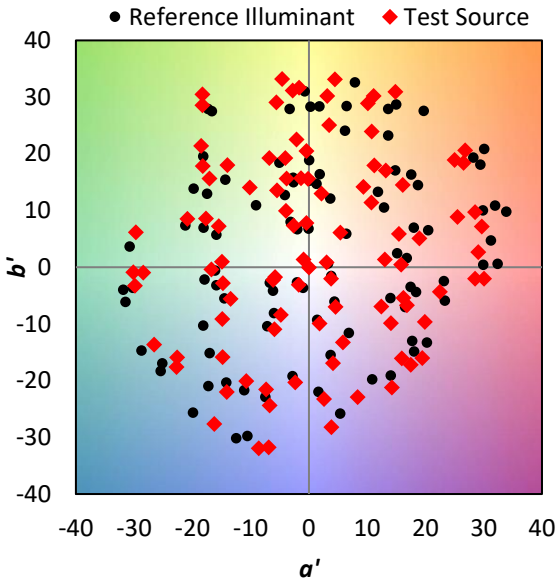
Summary

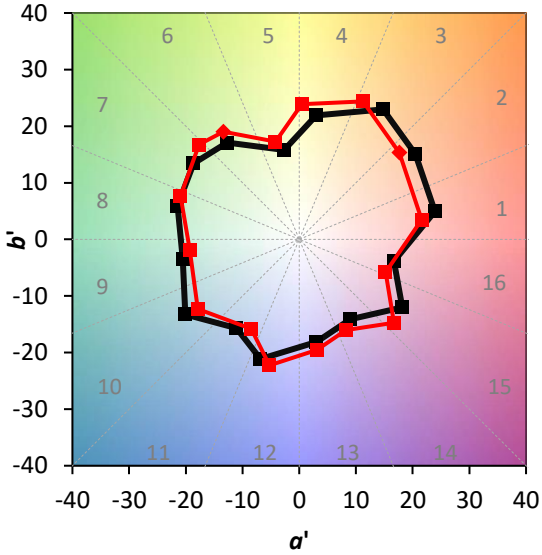
R_f = 81.5
R_g = 99.2
CIE R_a = 81.0
R_9 = 7.1

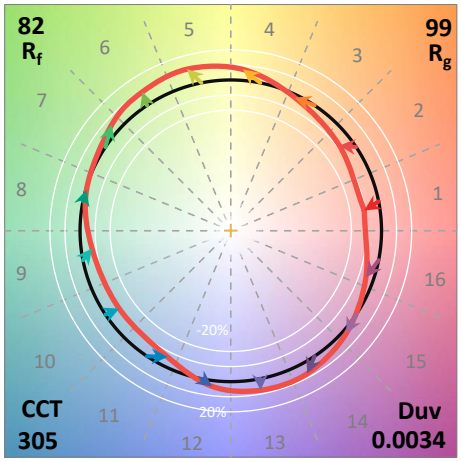
Spectral Power Distribution Comparison

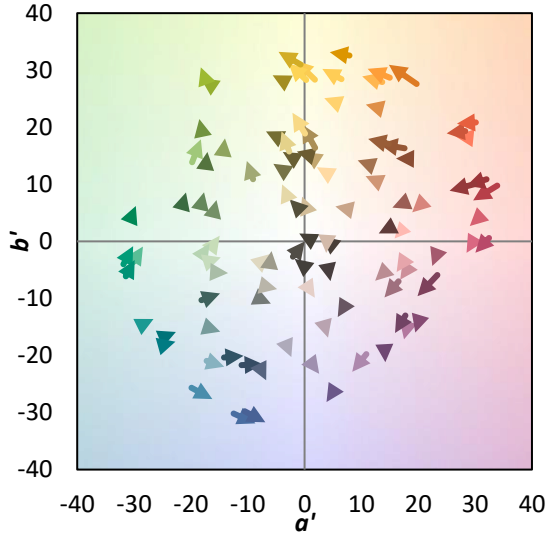


Color Vector Graphics









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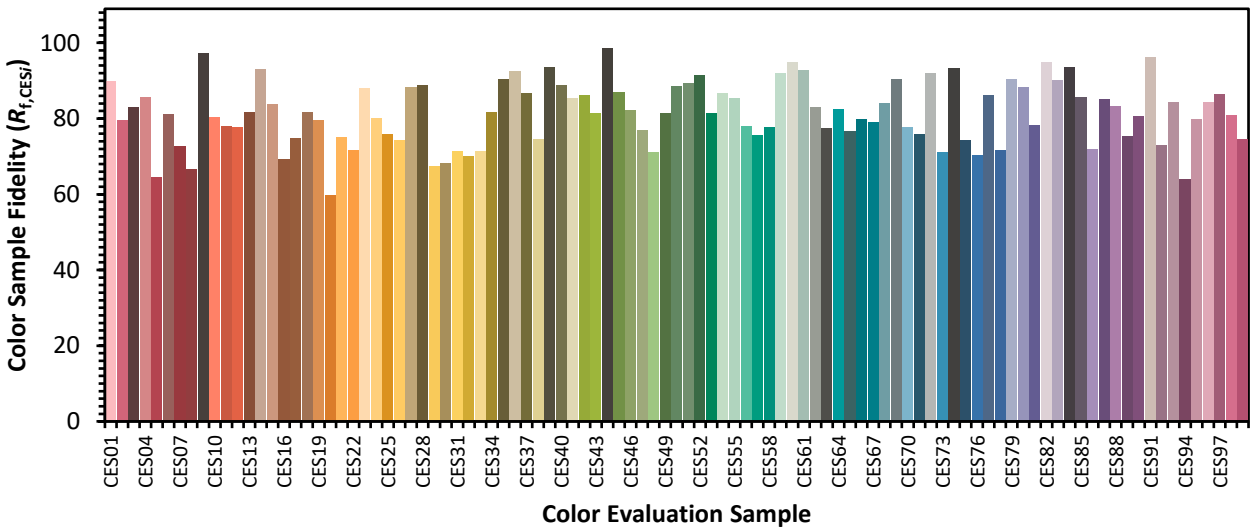
Individual Sample Fidelity Index ($R_{f,i}$)

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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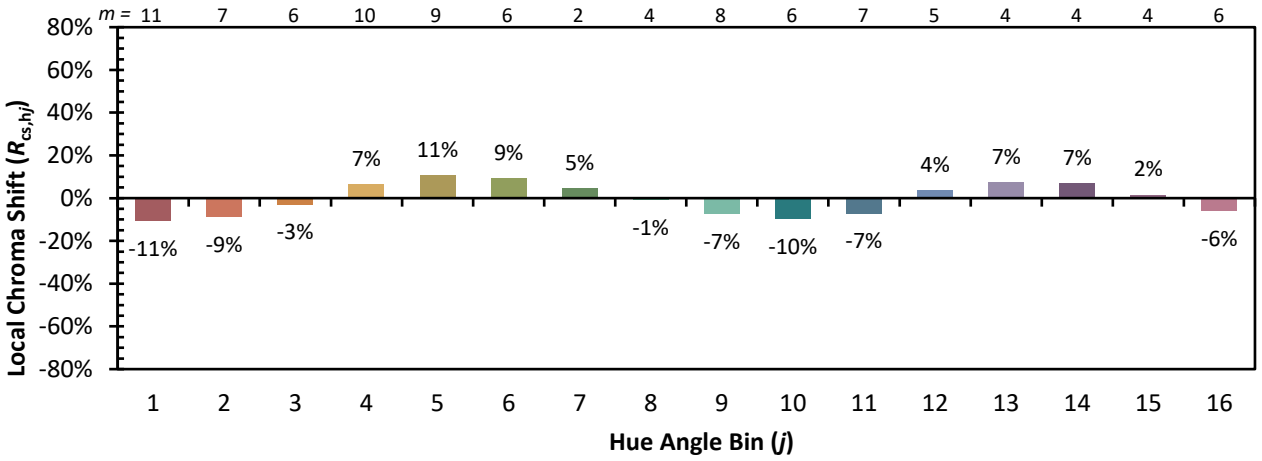
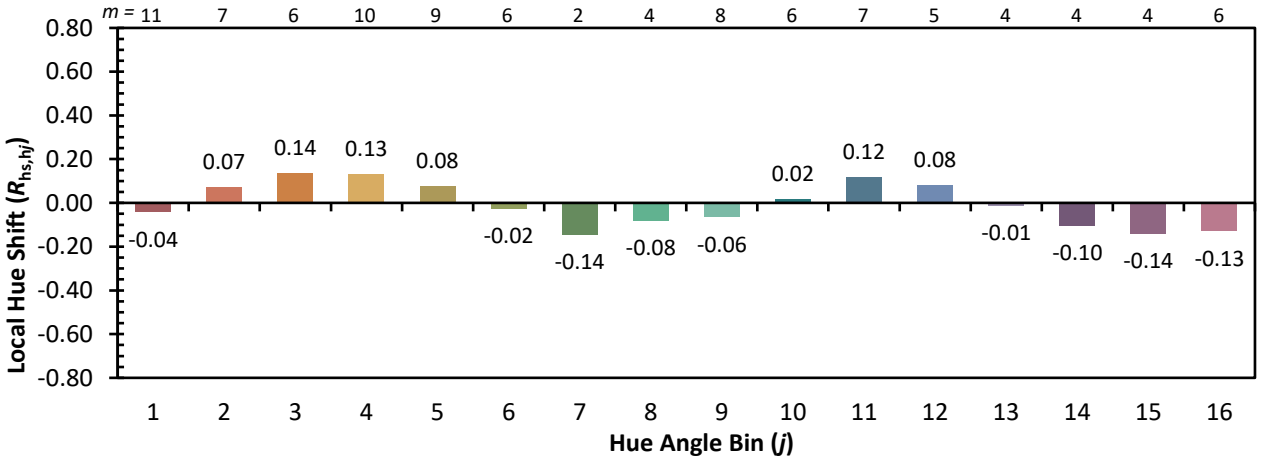
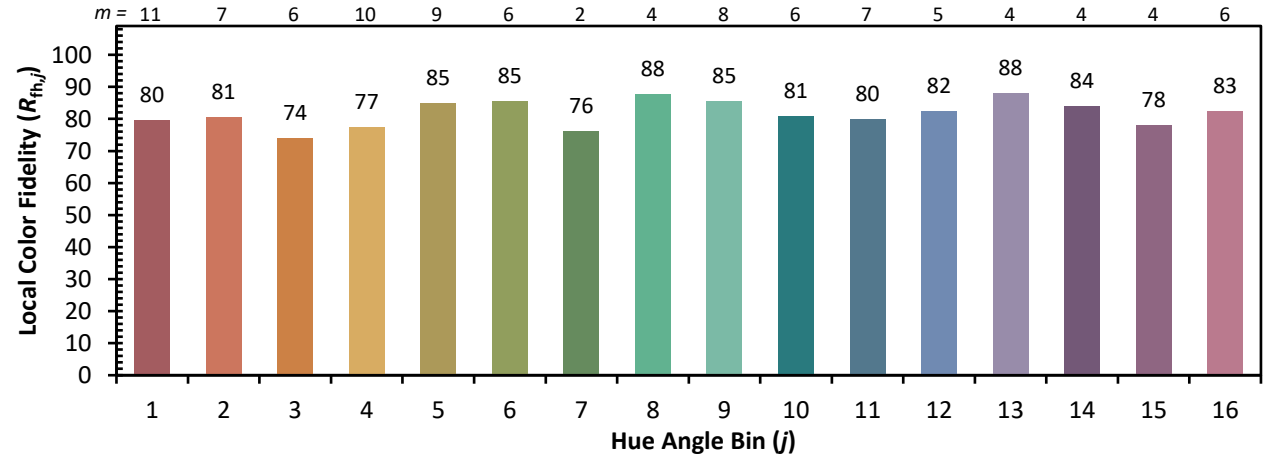
Color Rendition by Hue-Angle Bin







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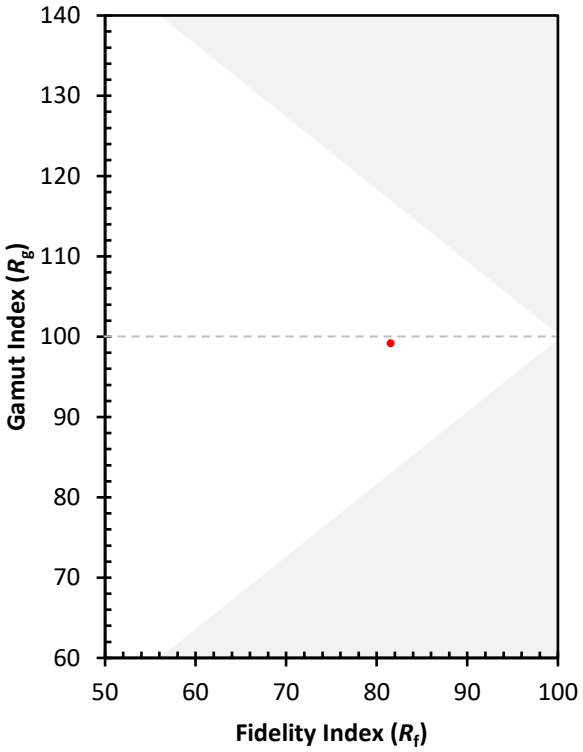
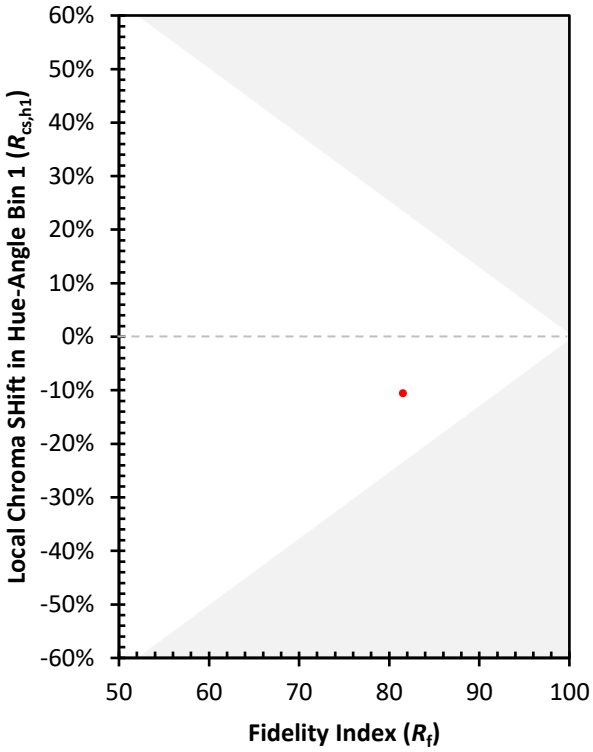
Measure Comparisons





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