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: P321756

Luminaire Tested: **GLEON-SA2B-830-U-T3R-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:	P321756
	TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-11)
Test Lab:	INNOVATION CENTER
Issue Date:	3/3/2020
Manufacturer:	COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line:	McGRAW-EDISON
Catalog Number:	GLEON-SA2B-830-U-T3R-HSS
Description:	GALLEON AREA AND ROADWAY LUMINAIRE
	(2) 80 CRI, 3000K, 800mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III ROADWAY OPTICS WITH HOUSE SIDE SHIELD
Light Source:	-
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	7146 lumens
Efficiency:	N/A
Efficacy:	84.1 lumens/watt
Luminous Opening:	Rectangular (W 0.5' x L: 1' x H: 0')
IES Classification:	Type III - Medium
BUG Rating:	B1 - U0 - G2

Input Watts (W):	85
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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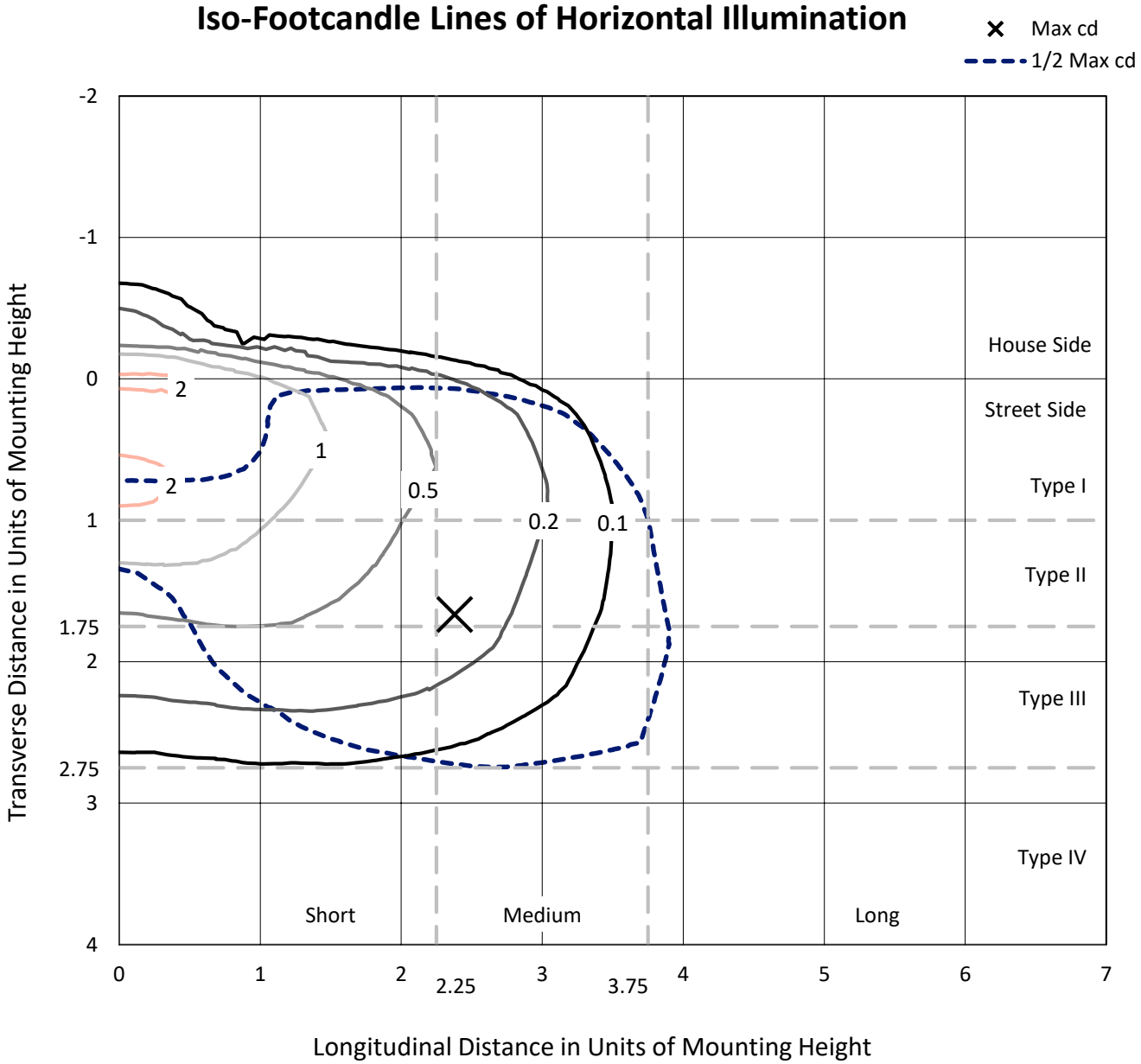
Scaled Data Report

REPORT NUMBER: P321756
CATALOG NUMBER: GLEON-SA2B-830-U-T3R-HSS

Iso-Footcandle Lines of Horizontal Illumination



Based on 25 foot mounting height. Maximum calculated value = 2.3 fc
Type III - Medium - N/A

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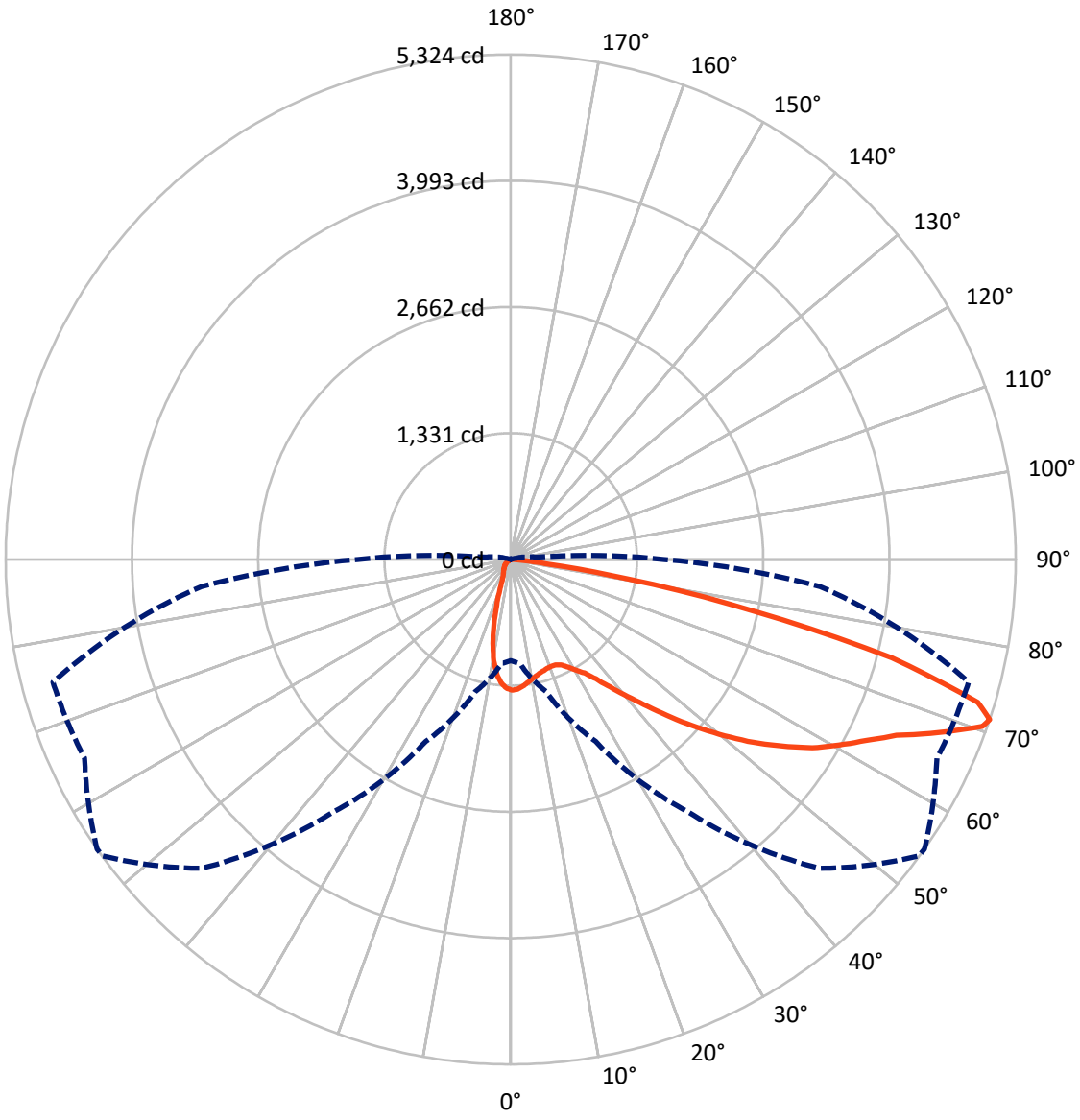
Luminous Intensity Polar Plot



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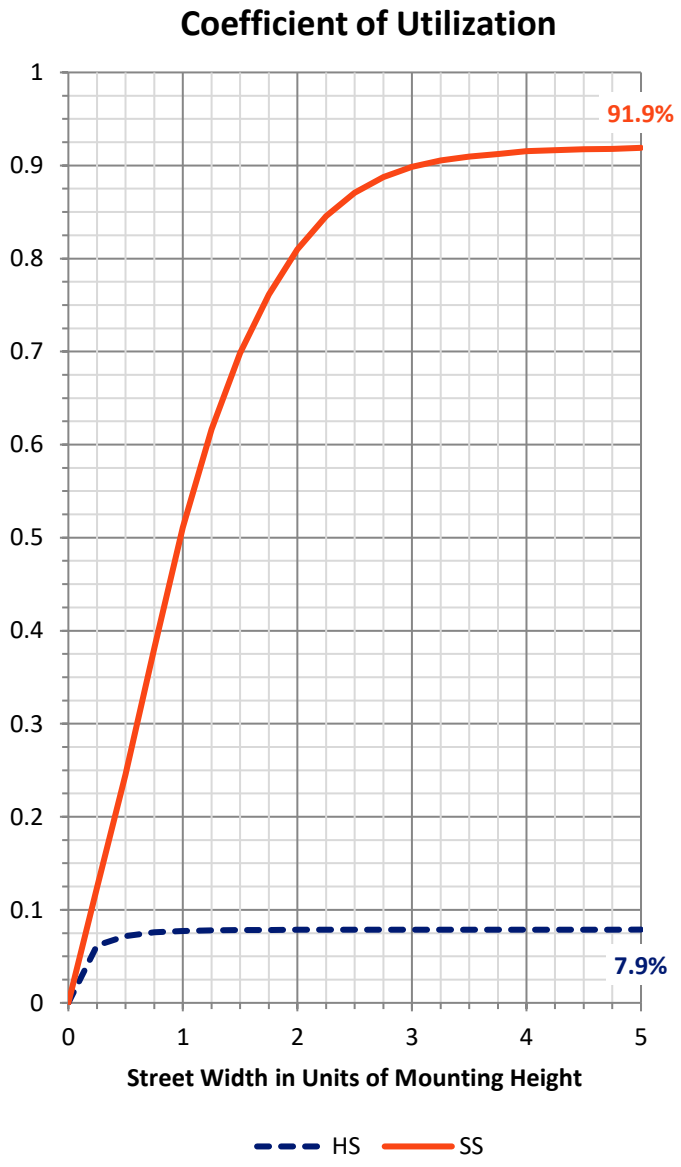
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	565.8	0.0	565.8
	% Fixture	7.9	0.0	7.9
Street Side	Lumens	6580.2	0.0	6580.2
	% Fixture	92.1	0.0	92.1
Total	Lumens	7146.0	0.0	7146.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	117.5	1.6
10°-20°	265.3	3.7
20°-30°	426.3	6.0
30°-40°	724.3	10.1
40°-50°	1124.2	15.7
50°-60°	1511.5	21.2
60°-70°	1849.1	25.9
70°-80°	1081.1	15.1
80°-90°	46.7	0.7
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°	7146.0	100.0
0°-180°	7146.0	100.0



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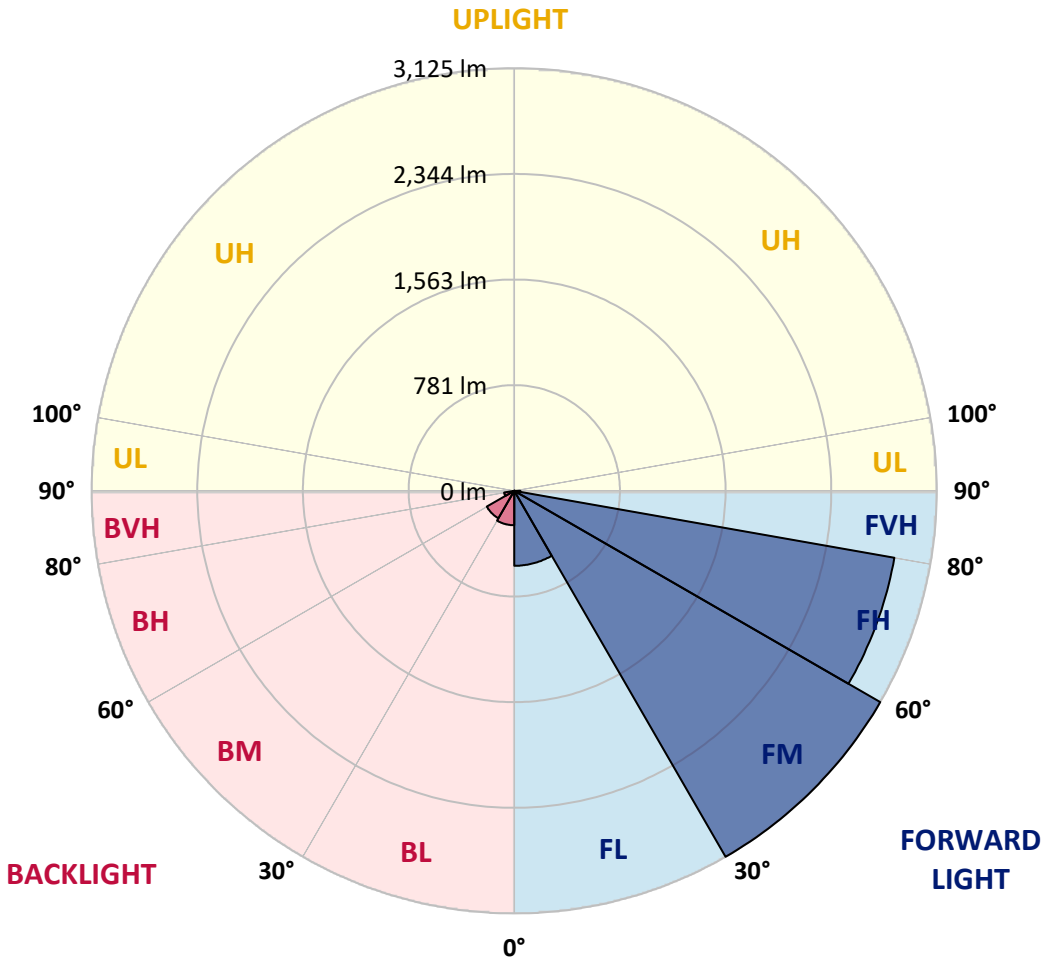
LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	554.4	7.8			
FM	(30°-60°)	3125.4	43.7			
FH	(60°-80°)	2854.4	39.9			G2/5000
FVH	(80°-90°)	46.0	0.6			G1/100
BL	(0°-30°)	254.7	3.6	B1/500		
BM	(30°-60°)	234.6	3.3	B1/1000		
BH	(60°-80°)	75.8	1.1	B0/110		G0/110
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 III Medium



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REPORT NUMBER: P321756
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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	54°	55°	65°	75°	85°
0°	1378.1	1378.1	1378.1	1378.1	1378.1	1378.1	1378.1	1378.1	1378.1	1378.1	1378.1
2.5°	1337.7	1339.3	1345.1	1347.6	1353.7	1364.0	1369.1	1369.5	1377.8	1381.0	1383.6
5°	1243.0	1252.7	1262.3	1272.6	1291.2	1315.9	1340.3	1342.5	1369.5	1389.4	1400.0
7.5°	1161.5	1170.2	1181.8	1198.1	1224.4	1263.3	1304.0	1308.8	1359.8	1405.1	1428.8
10°	1077.8	1084.9	1101.5	1125.6	1161.9	1213.8	1268.7	1276.7	1351.2	1426.3	1468.0
12.5°	988.3	992.4	1012.7	1047.3	1100.6	1166.7	1238.9	1249.5	1345.7	1450.6	1514.2
15°	920.3	922.2	941.4	977.4	1038.3	1124.3	1215.8	1228.6	1347.0	1479.8	1564.6
17.5°	902.9	903.9	914.2	938.9	992.8	1086.5	1197.5	1213.2	1350.9	1508.4	1615.3
20°	973.2	966.5	955.9	952.0	975.1	1063.7	1186.6	1204.2	1356.0	1533.8	1660.8
22.5°	1166.0	1146.1	1102.2	1043.5	1007.8	1065.3	1189.5	1207.1	1372.4	1564.9	1713.4
25°	1452.3	1424.7	1349.9	1234.4	1123.4	1111.5	1213.5	1231.5	1404.1	1602.1	1763.8
27.5°	1777.9	1750.7	1659.2	1494.3	1305.0	1202.9	1268.7	1285.4	1451.3	1635.1	1802.3
30°	2089.8	2082.1	1974.3	1786.9	1533.4	1351.2	1339.9	1354.1	1486.3	1655.0	1832.8
32.5°	2354.2	2342.0	2255.4	2073.1	1794.9	1529.3	1423.7	1427.9	1512.6	1680.7	1872.6
35°	2599.4	2584.3	2508.2	2335.9	2063.2	1746.8	1552.7	1546.6	1570.0	1732.4	1930.3
37.5°	2813.4	2827.2	2742.8	2578.8	2303.8	1973.0	1726.6	1708.3	1659.9	1816.4	2014.1
40°	2992.4	2992.4	2948.5	2811.8	2563.7	2206.9	1923.3	1899.2	1794.9	1946.1	2120.3
42.5°	3056.9	3070.7	3087.1	3009.7	2796.4	2450.2	2142.4	2117.4	1985.2	2129.9	2254.4
45°	3060.8	3082.6	3166.3	3166.0	3006.5	2691.8	2389.5	2377.6	2229.1	2366.1	2420.6
47.5°	3006.5	3033.8	3171.8	3250.1	3173.1	2916.7	2659.7	2644.9	2515.6	2655.5	2594.5
50°	2922.8	2953.0	3113.4	3283.1	3286.3	3112.4	2944.3	2922.2	2831.0	2986.3	2774.2
52.5°	2772.9	2831.3	3061.1	3290.8	3360.8	3281.5	3215.1	3205.5	3184.0	3304.9	2917.3
55°	2452.4	2517.2	2929.9	3293.4	3429.8	3431.4	3468.9	3471.5	3514.8	3602.7	3023.9
57.5°	2301.0	2337.5	2700.8	3305.6	3532.1	3601.4	3727.5	3747.4	3814.5	3885.4	3145.5
60°	2205.7	2249.0	2587.8	3288.9	3692.9	3824.4	3967.2	3974.0	4045.8	4177.1	3310.1
62.5°	2129.6	2172.3	2516.6	3224.7	3873.5	4092.7	4201.5	4202.1	4256.0	4524.6	3497.1
65°	1941.9	1977.8	2372.5	3152.5	3992.9	4358.0	4473.6	4469.4	4513.3	4891.0	3714.4
67.5°	1670.4	1698.0	2078.3	2878.8	3948.0	4599.3	4884.3	4870.5	4817.2	5207.7	3799.7
70°	1291.5	1301.4	1638.0	2399.1	3527.0	4692.1	5281.2	5274.1	5003.6	5150.9	3486.9
71°	1067.5	1100.3	1443.6	2117.4	3244.9	4606.4	5319.7	5323.9	4956.8	4996.2	3271.6
72.5°	619.9	647.8	1046.4	1626.2	2755.0	4248.9	5120.1	5150.3	4737.9	4544.5	2794.4
75°	132.8	142.1	387.9	787.1	1515.5	2978.0	4041.3	4148.8	3861.7	3091.6	1684.2
77.5°	92.4	99.8	166.2	357.1	500.9	1471.5	2510.5	2631.8	2307.0	1161.9	539.1
80°	73.2	81.5	129.6	176.5	135.4	474.6	1176.0	1250.1	769.4	259.3	90.8
82.5°	40.8	48.5	101.1	95.3	52.0	90.2	329.2	372.2	154.0	52.3	21.5
85°	11.9	14.4	65.1	69.3	22.1	17.3	56.2	69.6	29.2	13.8	9.6
87.5°	0.0	0.0	31.4	26.6	6.4	2.6	5.1	5.8	5.8	5.8	6.4
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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Scaled Data Report

REPORT NUMBER: P321756
CATALOG NUMBER: GLEON-SA2B-830-U-T3R-HSS

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1378.1	1378.1	1378.1	1378.1	1378.1	1378.1	1378.1	1378.1	1378.1	1378.1	1378.1
2.5°	1383.6	1385.8	1377.8	1367.2	1356.0	1342.2	1327.8	1316.5	1316.2	1310.7	1305.3
5°	1400.6	1399.3	1377.2	1343.5	1303.7	1262.3	1222.8	1178.2	1163.5	1145.2	1139.1
7.5°	1432.0	1423.1	1376.2	1302.4	1215.1	1128.5	1039.0	948.8	910.3	875.7	869.6
10°	1471.5	1454.5	1370.1	1240.8	1080.7	920.9	785.8	663.2	609.3	567.9	566.0
12.5°	1512.6	1486.6	1353.1	1147.7	904.5	679.9	524.3	403.7	358.7	329.9	332.4
15°	1555.6	1516.7	1316.5	1022.3	704.0	461.4	322.2	251.2	233.3	225.9	227.8
17.5°	1599.5	1537.6	1265.5	871.2	506.0	297.8	223.0	203.1	203.1	204.7	205.4
20°	1637.7	1548.8	1190.4	701.7	343.0	216.9	195.1	192.2	193.8	196.4	196.7
22.5°	1675.6	1549.5	1092.6	530.1	240.0	190.0	185.8	184.5	185.5	188.4	188.7
25°	1706.4	1541.8	970.0	377.0	191.6	179.0	177.1	176.5	177.1	180.6	180.6
27.5°	1718.9	1513.9	820.5	265.0	171.7	166.9	166.2	166.9	167.8	170.4	170.7
30°	1720.2	1465.1	657.5	191.9	155.6	150.5	151.8	154.0	153.1	152.4	153.1
32.5°	1723.4	1408.6	498.6	157.9	142.1	134.1	132.5	132.5	128.7	126.4	125.1
35°	1734.0	1342.2	361.6	141.8	128.3	119.0	112.9	105.9	98.5	94.7	93.7
37.5°	1750.7	1272.6	258.9	131.2	116.2	105.6	94.0	81.5	70.9	68.0	68.0
40°	1781.1	1200.7	191.6	122.9	106.5	93.4	76.0	59.7	50.1	48.5	48.5
42.5°	1829.3	1125.0	152.7	115.5	98.2	80.9	58.1	43.3	36.3	35.3	35.0
45°	1879.3	1041.5	133.5	108.5	89.2	66.4	43.0	32.1	27.9	27.0	27.0
47.5°	1929.4	952.7	124.2	101.7	80.5	51.7	32.1	25.3	23.4	23.4	23.7
50°	1971.7	859.9	117.4	94.3	69.3	39.1	25.3	21.5	20.9	22.1	22.5
52.5°	1982.3	768.8	109.1	85.0	55.5	29.8	20.9	18.9	18.9	18.9	18.9
55°	1975.9	698.2	98.2	73.5	41.1	23.7	18.0	16.7	16.4	16.4	16.4
57.5°	1997.7	656.5	78.6	57.1	29.5	19.3	15.7	14.8	14.1	13.8	13.8
60°	2041.7	629.2	56.2	41.1	22.1	16.0	13.5	12.5	11.6	10.9	10.9
62.5°	2100.1	605.5	41.7	30.5	17.0	12.8	11.2	10.3	9.0	8.3	8.3
65°	2145.0	563.1	31.8	22.8	12.8	10.3	8.7	8.3	6.4	5.8	5.5
67.5°	2076.3	470.1	25.7	16.7	9.6	8.0	6.7	6.4	3.9	3.2	3.2
70°	1780.8	327.3	20.5	12.2	7.1	6.4	5.5	4.2	2.9	2.6	2.6
71°	*1614.9*	*273.4*	*18.6*	*10.3*	*6.1*	*6.1*	*5.1*	*3.5*	*2.6*	*2.2*	*2.2*
72.5°	1341.6	194.1	15.7	8.0	5.5	6.4	5.5	3.2	2.6	2.2	1.9
75°	778.7	81.2	10.9	5.5	4.2	7.7	7.1	2.9	1.9	1.6	1.6
77.5°	234.2	29.8	6.1	3.5	3.2	6.7	8.0	2.6	1.0	0.3	0.3
80°	42.7	12.8	3.9	2.2	2.2	4.2	6.1	1.3	0.0	0.0	0.0
82.5°	15.1	6.4	2.2	1.3	1.0	1.9	2.9	0.0	0.0	0.0	0.0
85°	8.7	4.5	1.3	0.6	0.0	0.3	0.6	0.0	0.0	0.0	0.0
87.5°	5.8	1.3	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

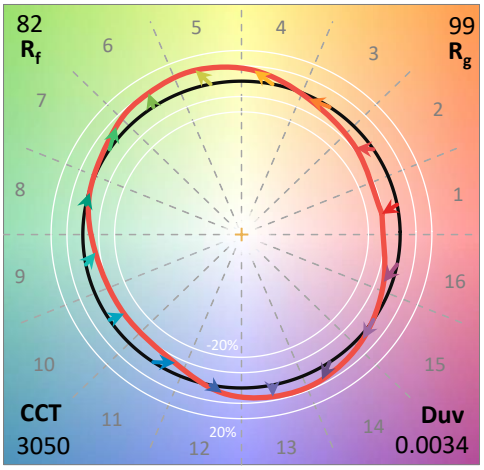
Test Information

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

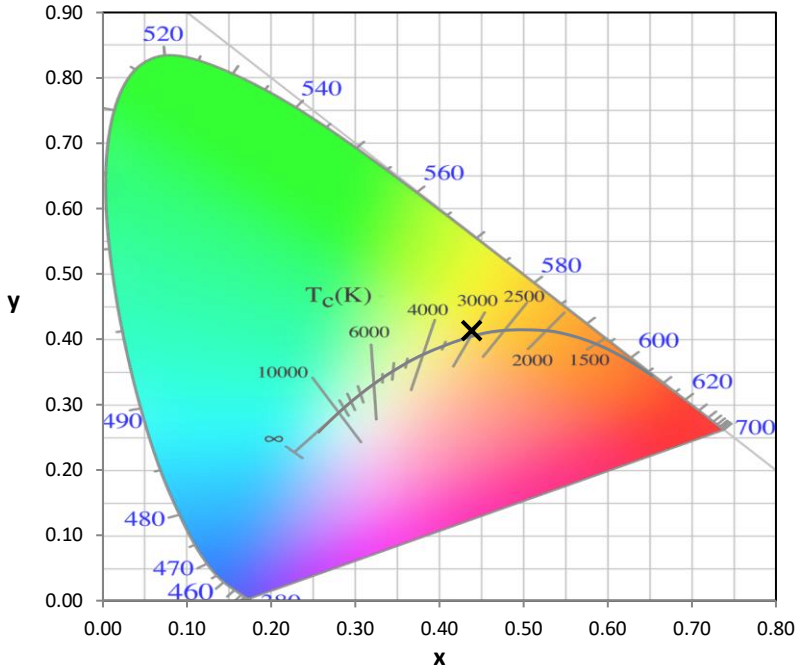
Stabilization Time:	20M
Operation Time:	1H 20M
Sphere Temperature (°C):	24.2

REPORT NUMBER: SP1-2408-195-9

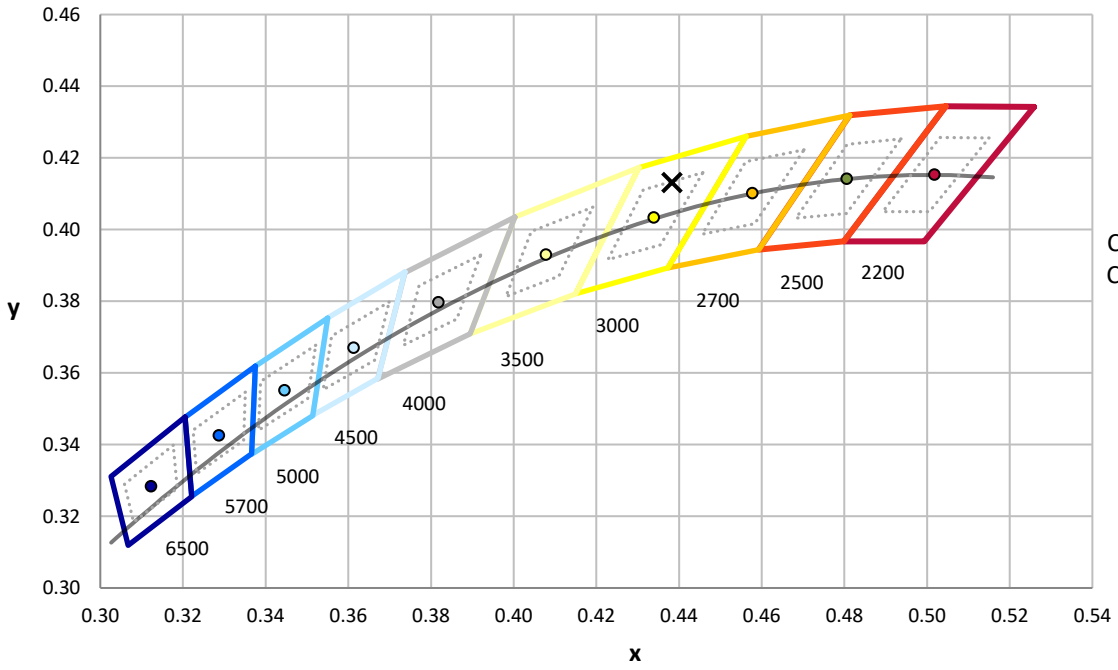
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

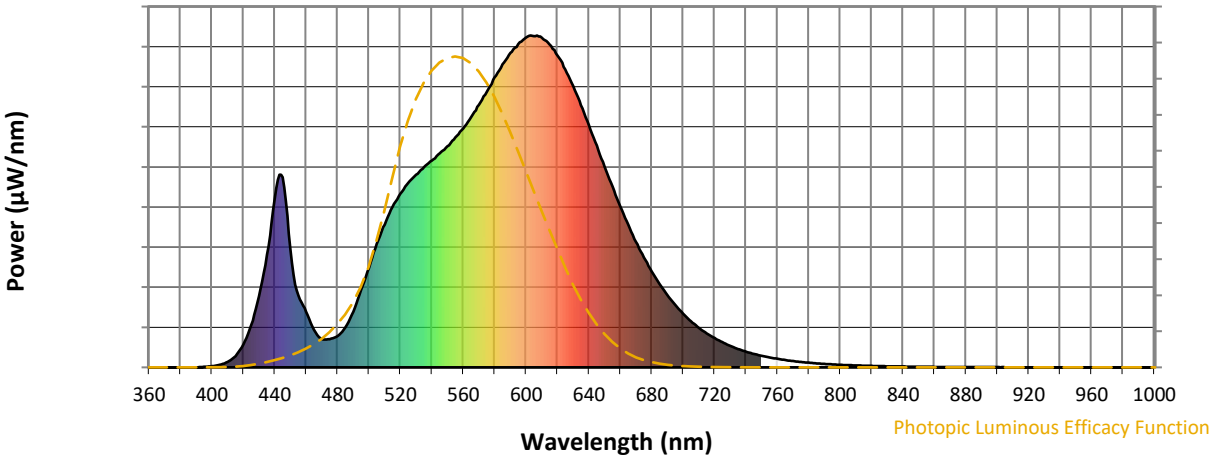


CCT = 3050K
CIE x = 0.4383
CIE y = 0.4131
Duv = 0.0034

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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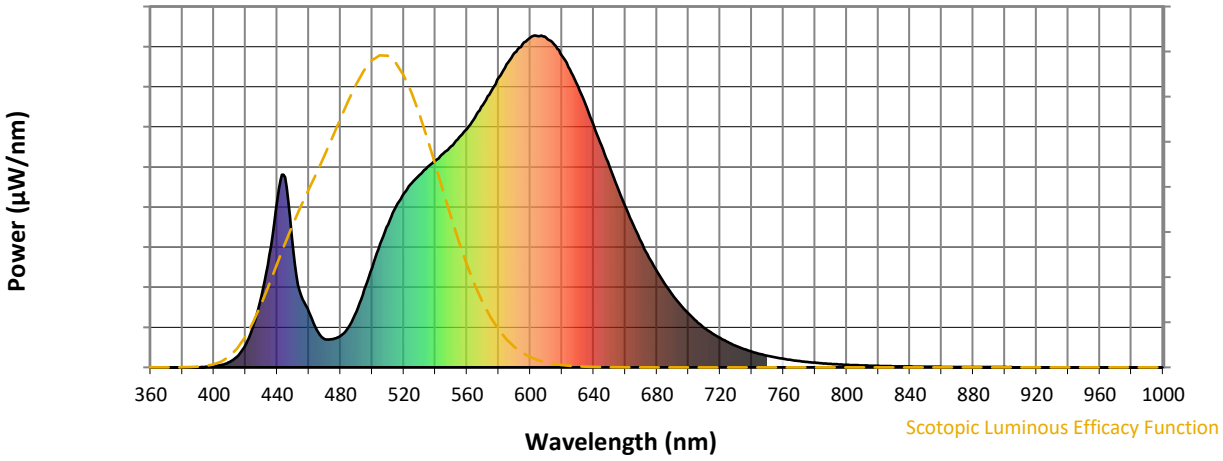
Scotopic Flux vs. Wavelength



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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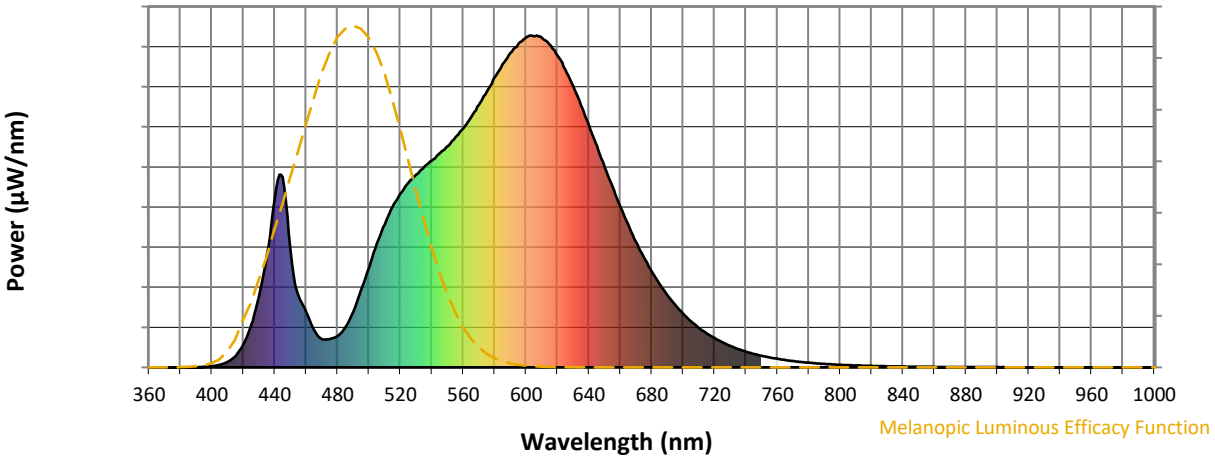
Melanopic Flux vs. Wavelength



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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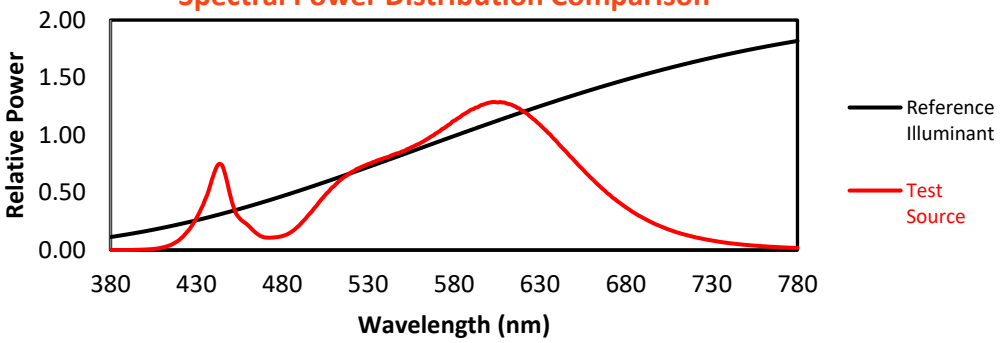
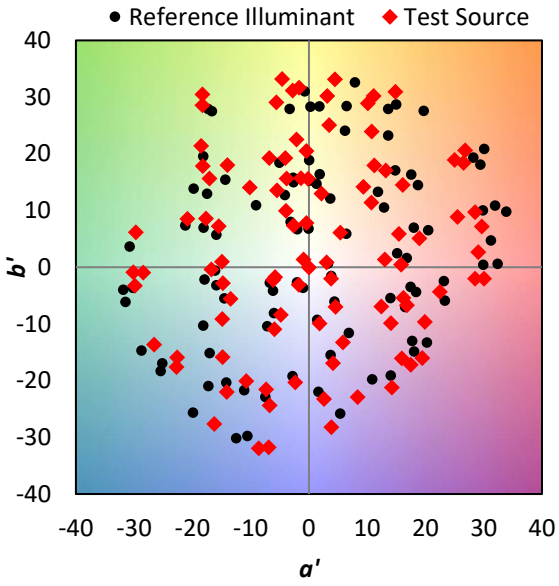
Summary

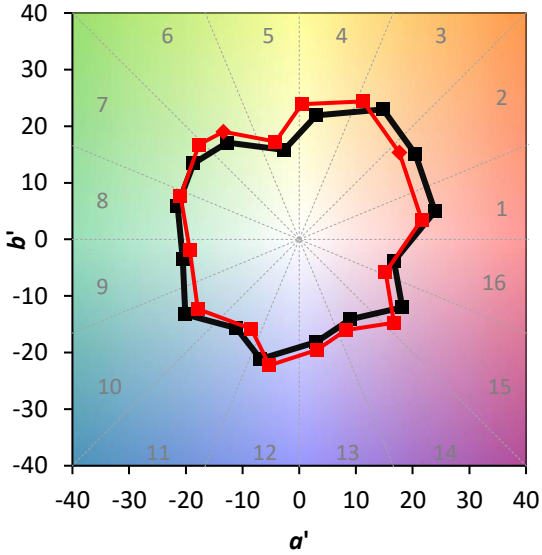
R_f = 81.5
R_g = 99.2
CIE R_a = 81.0
R_9 = 7.1

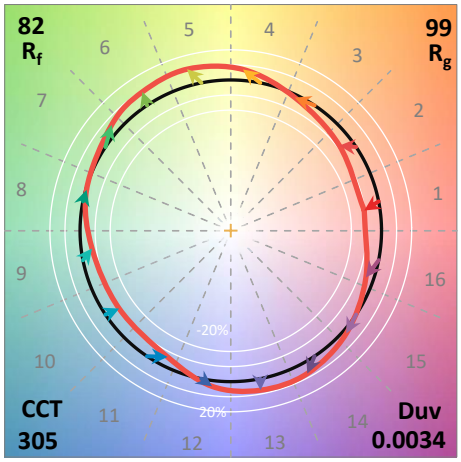
Spectral Power Distribution Comparison

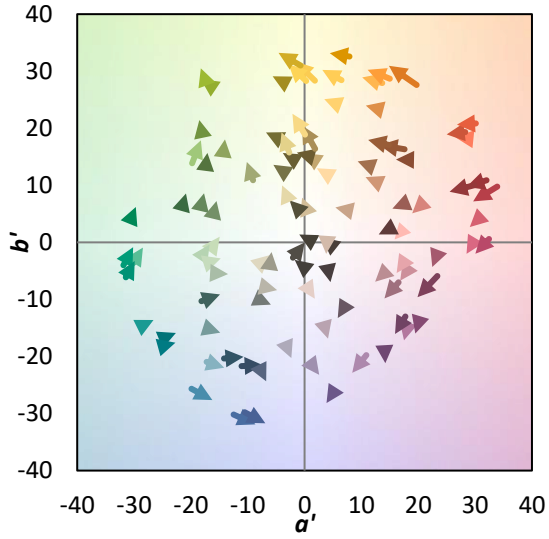


Color Vector Graphics









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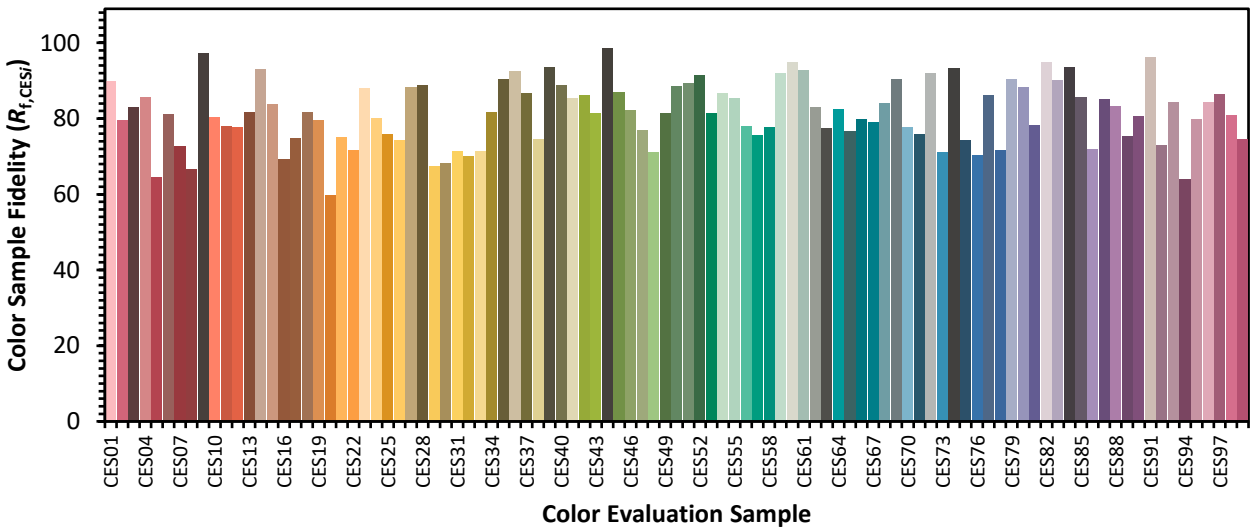
Individual Sample Fidelity Index ($R_{f,i}$)

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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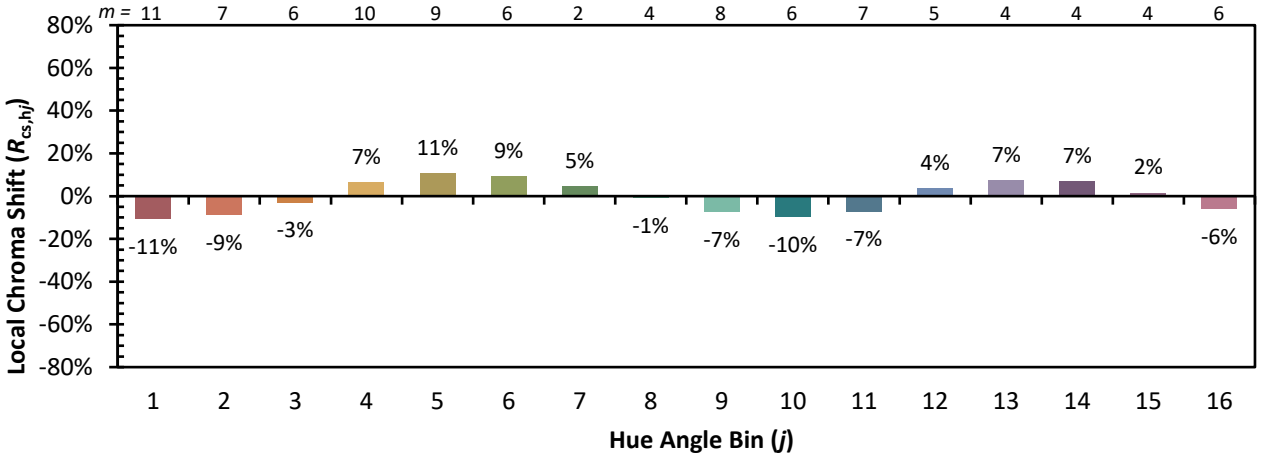
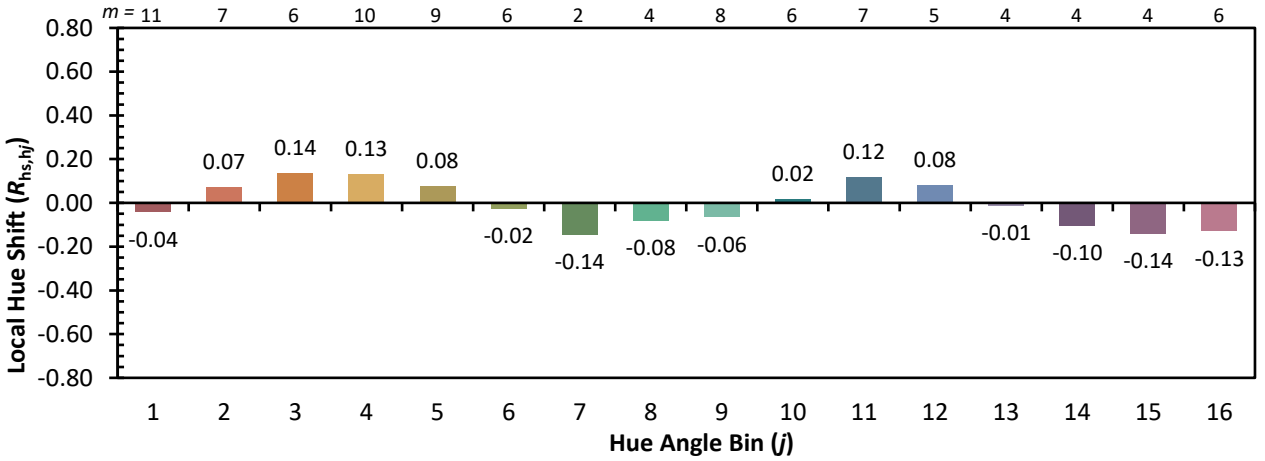
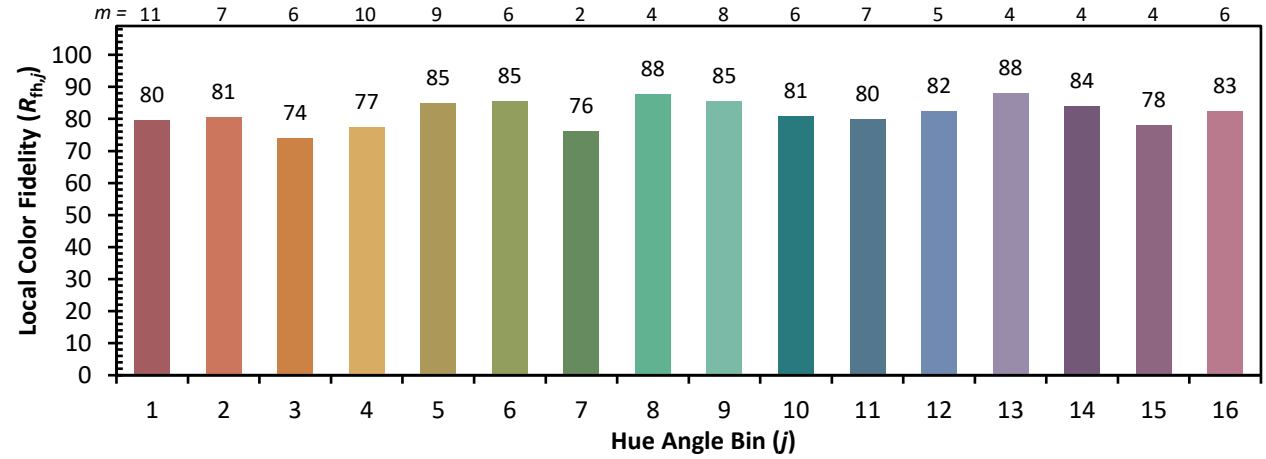
Color Rendition by Hue-Angle Bin







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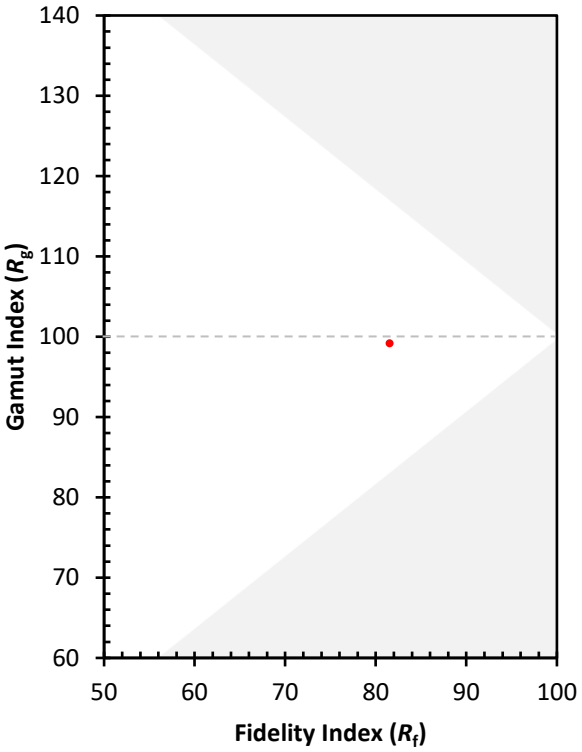
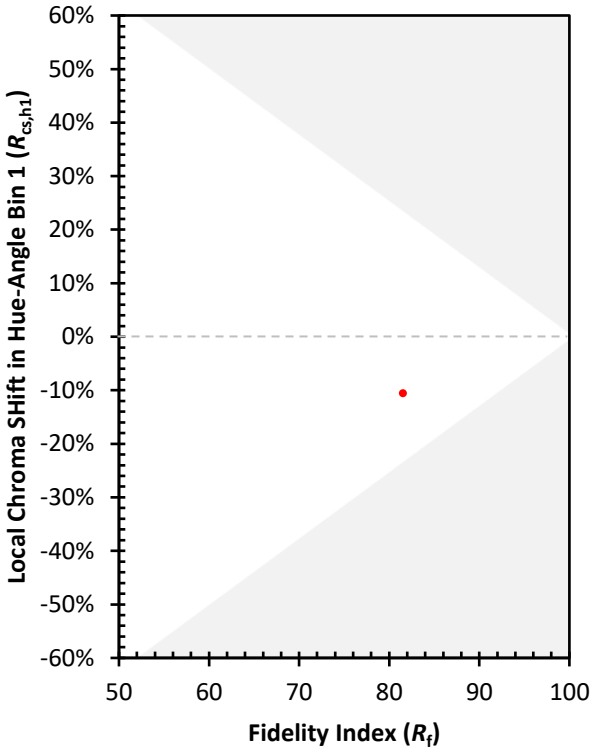
Measure Comparisons





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