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: P319505

Luminaire Tested: **GLEON-SA1A-830-U-SL2**

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:	P319505
	TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-20)
Test Lab:	INNOVATION CENTER
Issue Date:	3/3/2020
Manufacturer:	COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line:	McGRAW-EDISON
Catalog Number:	GLEON-SA1A-830-U-SL2
Description:	GALLEON AREA AND ROADWAY LUMINAIRE
	(1) 80 CRI, 3000K, 615mA LIGHTSQUARE WITH 16 LEDS AND TYPE II SPILL LIGHT ELIMINATOR OPTICS
Light Source:	-
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	3798 lumens
Efficiency:	N/A
Efficacy:	111.7 lumens/watt
Luminous Opening:	Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification:	Type III - Medium
BUG Rating:	B1 - U0 - G2

Input Watts (W):	34
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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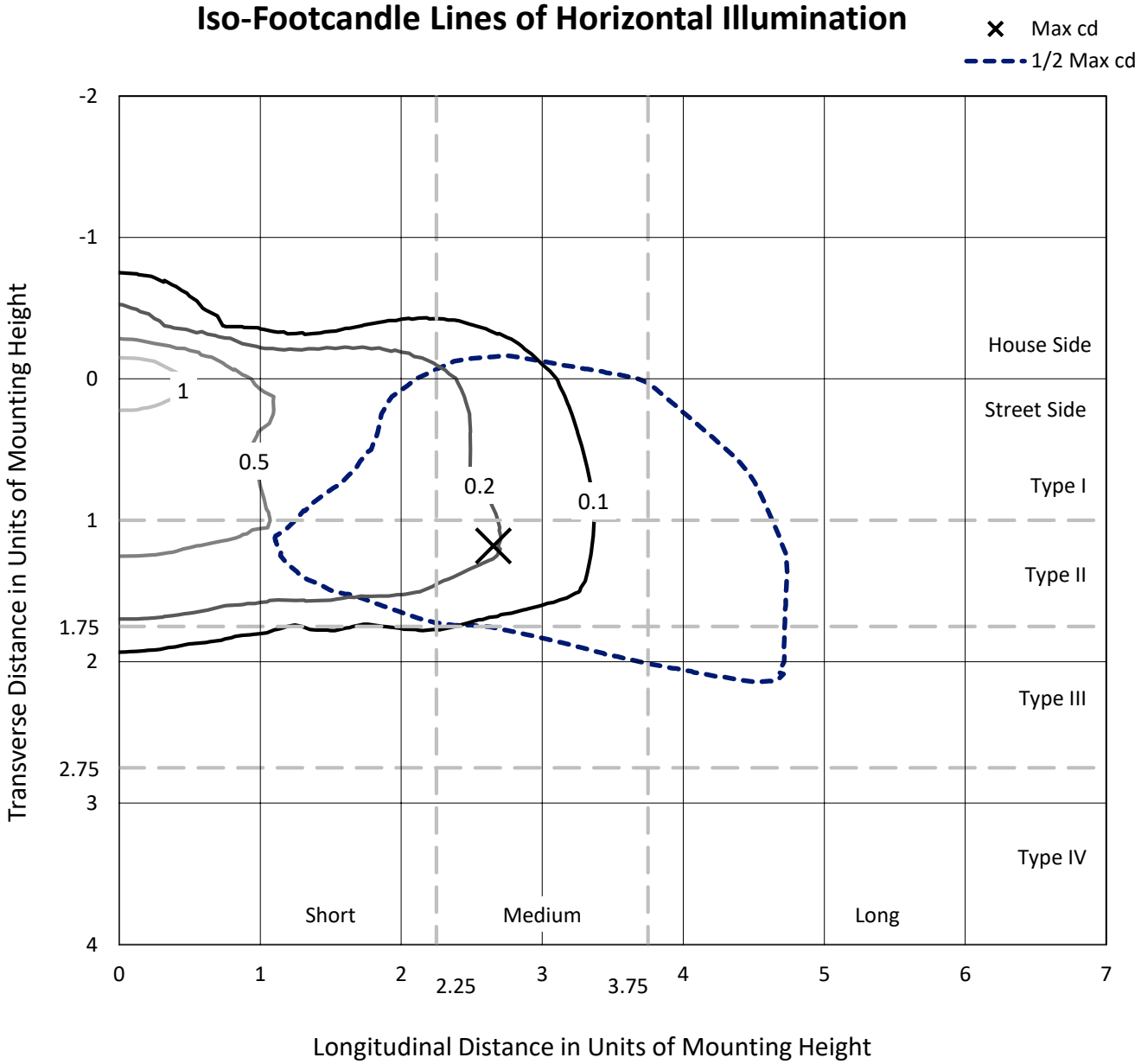
REPORT NUMBER: P319505
CATALOG NUMBER: GLEON-SA1A-830-U-SL2

Iso-Footcandle Lines of Horizontal Illumination



Based on 25 foot mounting height. Maximum calculated value = 1.4 fc
Type III - Medium - N/A

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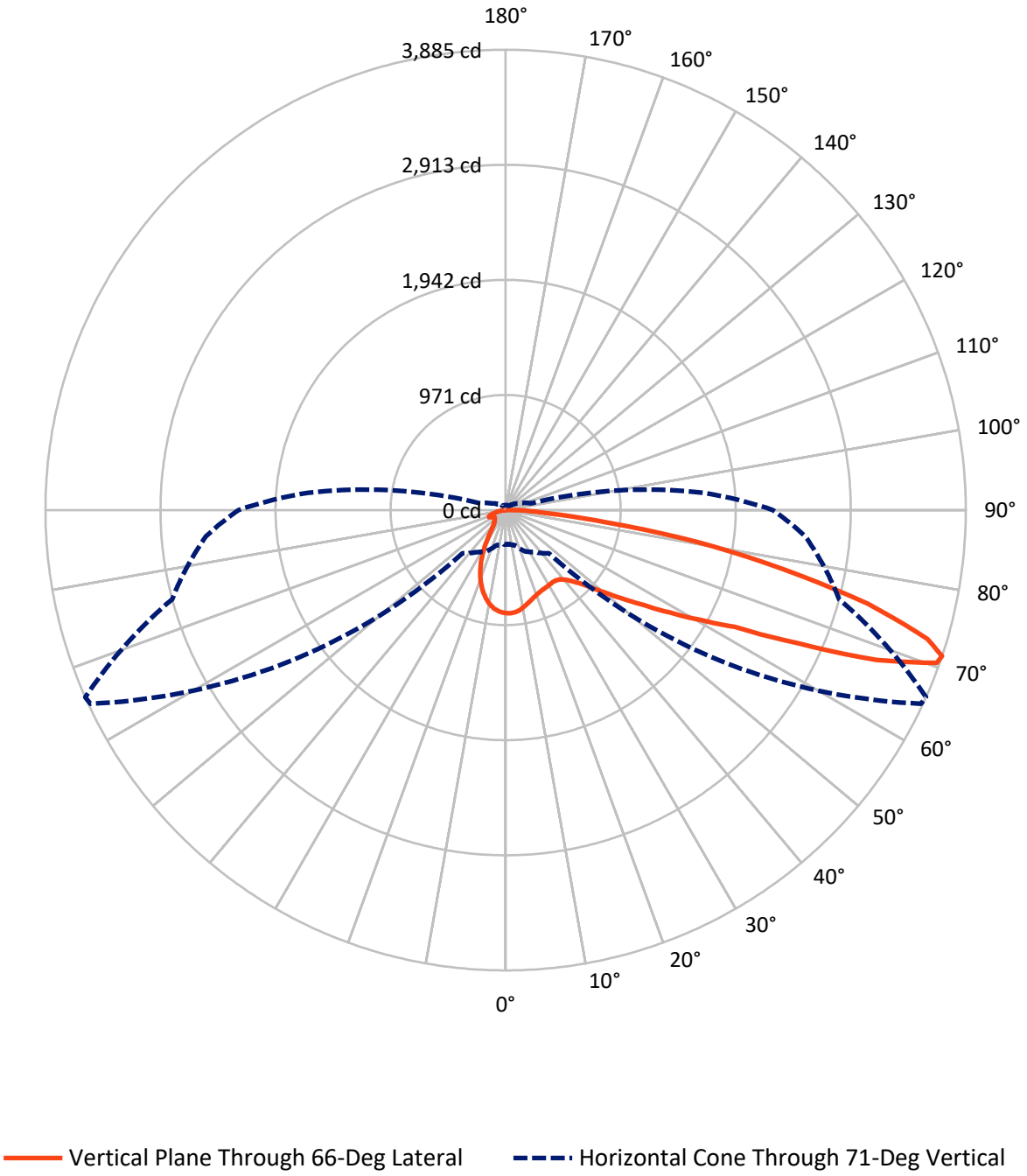
Luminous Intensity Polar Plot



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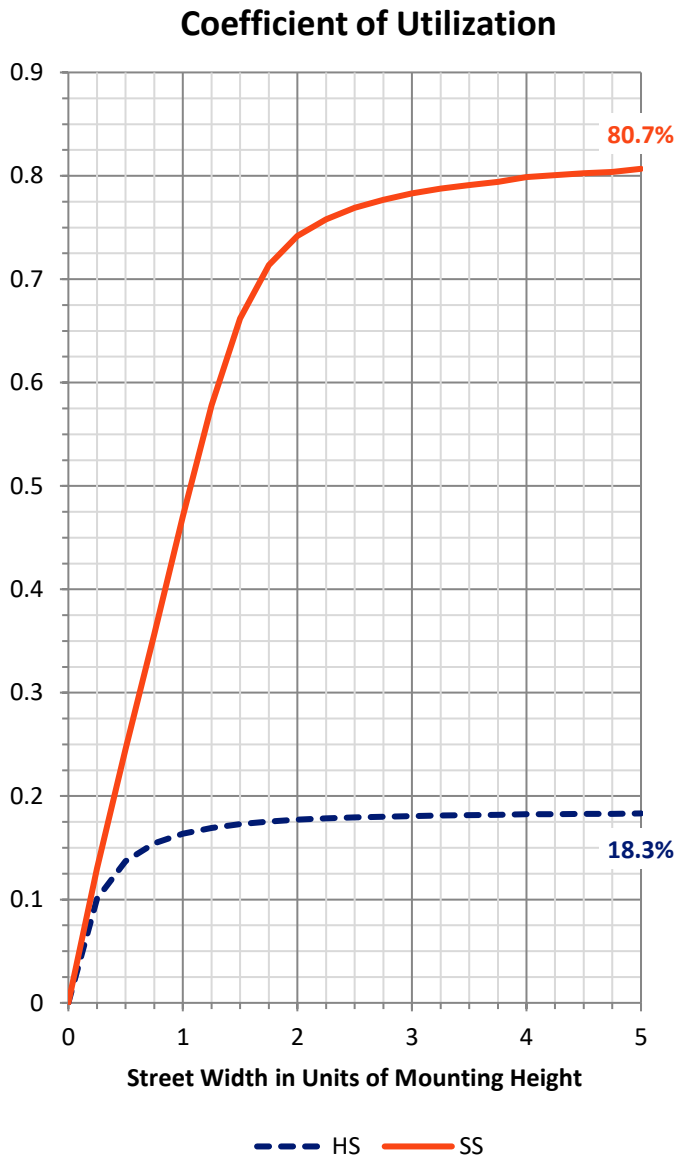
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	703.9	0.0	703.9
	% Fixture	18.5	0.0	18.5
Street Side	Lumens	3094.1	0.0	3094.1
	% Fixture	81.5	0.0	81.5
Total	Lumens	3798.0	0.0	3798.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	76.6	2.0
10°-20°	183.7	4.8
20°-30°	246.7	6.5
30°-40°	324.6	8.5
40°-50°	472.2	12.4
50°-60°	737.6	19.4
60°-70°	923.9	24.3
70°-80°	704.8	18.6
80°-90°	128.0	3.4
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°	3798.0	100.0
0°-180°	3798.0	100.0



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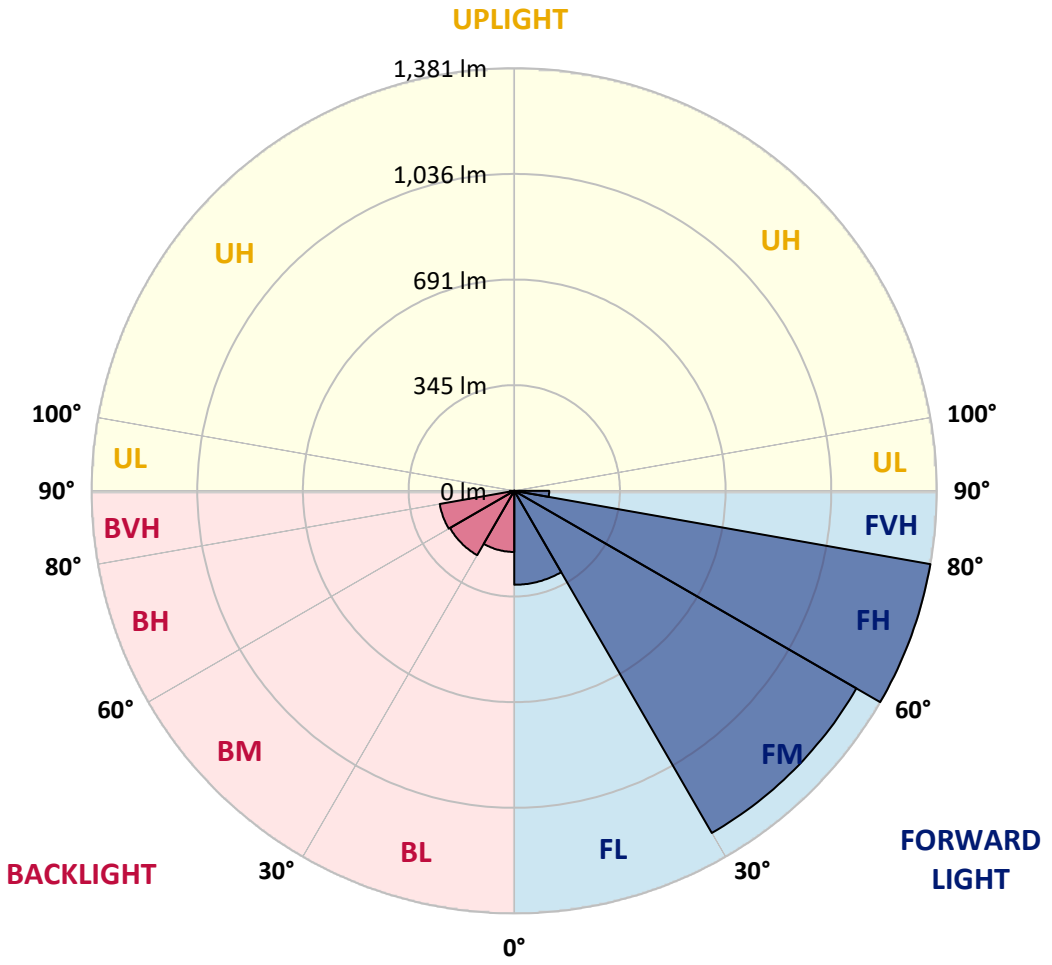
LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	307.1	8.1			
FM	(30°-60°)	1291.5	34.0			
FH	(60°-80°)	1381.4	36.4			G1/1800
FVH	(80°-90°)	114.1	3.0			G2/225
BL	(0°-30°)	199.9	5.3	B1/500		
BM	(30°-60°)	242.8	6.4	B1/1000		
BH	(60°-80°)	247.3	6.5	B1/500		G1/500
BVH	(80°-90°)	13.9	0.4			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 III Medium



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Scaled Data Report

REPORT NUMBER: P319505
CATALOG NUMBER: GLEON-SA1A-830-U-SL2

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	66°	75°	85°
0°	870.0	870.0	870.0	870.0	870.0	870.0	870.0	870.0	*870.0*	870.0	870.0
2.5°	853.9	852.6	856.5	860.6	862.2	864.8	868.7	871.0	*870.8*	871.2	869.9
5°	797.3	795.6	803.4	809.9	822.2	836.1	853.0	865.1	*865.3*	872.1	874.0
7.5°	743.6	742.5	751.5	761.9	776.2	797.4	824.8	850.8	*852.3*	870.8	877.3
10°	700.6	700.4	709.2	720.4	737.1	760.8	792.3	830.3	*832.7*	864.5	877.8
12.5°	667.1	667.6	675.2	688.0	705.6	730.4	764.5	807.4	*811.2*	854.6	874.8
15°	642.3	644.4	650.5	663.5	680.8	706.0	741.0	786.1	*791.9*	843.4	873.1
17.5°	628.1	630.5	634.8	645.6	661.8	686.1	719.2	768.7	*773.9*	834.9	873.2
20°	623.9	625.9	628.4	634.9	648.7	670.7	702.1	752.9	*758.6*	828.1	874.5
22.5°	632.2	633.6	633.9	633.4	641.8	659.7	689.6	741.4	*747.4*	823.6	875.4
25°	649.9	651.8	650.4	645.6	642.8	653.8	683.2	733.8	*739.8*	820.3	873.6
27.5°	676.5	676.8	675.6	669.3	656.3	654.5	681.2	729.3	*735.1*	816.5	869.8
30°	712.7	714.4	712.3	703.8	682.5	665.0	683.6	725.0	*730.3*	811.7	863.6
32.5°	755.0	759.2	759.1	750.2	719.8	688.4	693.3	722.4	*726.5*	806.6	856.1
35°	799.0	804.7	815.5	811.7	774.1	725.5	711.9	726.6	*729.3*	805.9	850.9
37.5°	844.6	850.4	872.5	882.8	838.7	778.7	741.3	741.4	*742.7*	813.9	850.5
40°	892.3	898.5	931.8	958.4	922.5	845.9	788.6	772.4	*770.9*	833.6	858.2
42.5°	959.2	964.7	1004.7	1038.7	1015.5	932.1	854.1	820.1	*817.1*	872.1	883.0
45°	1043.8	1048.5	1091.0	1127.3	1115.4	1030.4	936.3	885.8	*885.3*	936.4	933.3
47.5°	1144.4	1148.0	1186.2	1221.3	1225.7	1143.6	1039.6	987.1	*978.6*	1024.5	1011.0
50°	1249.1	1253.2	1279.2	1316.9	1349.1	1295.0	1172.6	1111.3	*1099.9*	1140.8	1121.2
52.5°	1318.5	1323.9	1346.4	1394.3	1487.8	1461.1	1329.8	1261.9	*1244.6*	1281.8	1266.7
55°	1287.6	1299.6	1334.1	1410.8	1598.7	1714.7	1523.7	1437.4	*1417.9*	1448.9	1439.9
57.5°	1146.9	1163.4	1210.5	1328.9	1614.3	1938.1	1816.9	1644.2	*1630.5*	1621.6	1625.6
60°	889.7	905.6	963.9	1118.3	1505.6	2101.2	2258.2	1899.2	*1879.2*	1794.9	1798.6
62.5°	629.7	621.7	661.7	774.6	1223.4	2120.4	2760.3	2240.1	*2174.5*	1978.0	1961.8
65°	480.2	478.4	496.3	532.3	741.0	1891.3	3059.4	2813.1	*2710.7*	2193.3	2155.3
67.5°	394.6	391.3	409.0	461.3	477.2	1220.2	3066.0	3478.0	*3377.4*	2461.3	2379.0
70°	324.4	320.7	337.3	404.8	441.0	618.8	2580.4	3867.3	*3861.9*	2800.7	2547.9
71°	*290.8*	*288.2*	*308.0*	*383.0*	*433.3*	*515.7*	*2227.9*	*3868.3*	*3884.5*	*2915.5*	*2537.9*
72.5°	236.8	237.7	258.7	340.9	427.5	455.4	1637.4	3688.0	*3722.1*	3025.0	2447.3
75°	157.4	158.1	185.7	262.3	414.5	445.6	899.9	3094.7	*3157.4*	2959.5	2233.1
77.5°	105.7	105.4	124.2	179.9	361.1	445.6	527.7	2314.6	*2383.4*	2354.8	1721.6
80°	72.8	72.3	85.5	124.2	273.4	451.0	407.9	1622.1	*1642.9*	1271.7	699.7
82.5°	44.6	45.0	55.9	87.7	186.1	405.8	385.1	884.5	*861.8*	356.7	174.8
85°	25.6	25.4	35.7	59.4	119.5	342.5	375.6	380.7	*349.2*	107.4	63.2
87.5°	9.2	9.8	19.1	32.9	68.4	238.5	318.6	198.0	*178.5*	48.5	28.6
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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Scaled Data Report

REPORT NUMBER: P319505
CATALOG NUMBER: GLEON-SA1A-830-U-SL2

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	870.0	870.0	870.0	870.0	870.0	870.0	870.0	870.0	870.0	870.0	870.0
2.5°	869.0	869.8	868.9	863.6	859.2	852.0	847.9	842.2	840.5	839.8	841.9
5°	872.3	872.5	864.8	851.0	835.6	817.3	804.2	788.1	780.5	777.2	779.3
7.5°	875.3	874.1	857.2	830.8	802.3	770.5	742.3	716.5	701.4	695.3	695.8
10°	875.7	870.7	843.6	802.8	758.5	711.9	668.6	628.8	603.6	587.2	592.2
12.5°	871.6	863.2	823.5	766.5	705.0	641.5	583.0	523.2	487.3	470.6	471.2
15°	868.5	853.3	798.8	723.7	641.1	557.0	477.2	406.9	368.6	351.6	343.6
17.5°	865.9	842.5	770.3	675.6	565.7	459.1	363.1	300.4	279.4	274.5	272.4
20°	862.2	831.1	738.4	619.9	479.8	349.5	265.1	234.2	234.3	240.1	240.9
22.5°	857.1	818.1	704.4	557.3	387.6	254.5	207.8	198.9	208.0	219.0	221.0
25°	849.5	802.8	666.7	488.2	295.6	195.6	177.6	177.2	188.2	199.7	201.4
27.5°	838.7	782.7	624.7	414.0	217.8	166.3	159.1	161.8	169.9	178.3	179.0
30°	824.3	759.4	578.4	335.7	170.7	148.0	147.3	149.8	154.7	160.6	161.2
32.5°	808.4	735.6	529.0	259.9	146.2	138.2	139.0	140.2	142.5	144.9	145.4
35°	794.0	711.4	478.4	197.5	134.5	131.8	131.3	131.0	131.3	130.5	130.6
37.5°	784.7	691.3	425.6	157.2	127.9	126.1	124.6	122.6	120.4	119.1	119.3
40°	781.3	676.4	372.3	135.9	122.3	121.2	118.1	114.0	111.3	110.5	110.5
42.5°	790.5	668.6	320.7	125.1	117.8	115.8	110.8	106.0	104.0	103.9	103.7
45°	818.5	671.8	271.7	119.2	113.6	109.8	103.2	99.1	97.8	98.1	98.0
47.5°	868.9	691.6	229.7	115.3	109.4	104.4	97.0	93.8	92.2	92.2	92.3
50°	954.5	737.9	196.3	112.0	105.8	99.4	92.6	88.5	86.4	86.3	86.3
52.5°	1079.2	820.7	175.5	109.2	101.9	94.9	88.1	83.0	80.5	80.0	79.7
55°	1235.5	939.5	169.7	107.4	96.6	90.1	82.7	77.6	74.9	73.7	73.6
57.5°	1410.3	1084.1	181.1	105.2	91.3	84.3	76.8	72.0	69.1	67.7	67.5
60°	1587.2	1241.8	227.6	102.0	86.8	78.0	70.8	66.4	63.5	61.9	61.6
62.5°	1764.4	1408.1	322.7	101.8	83.7	72.0	64.6	60.8	58.1	56.4	56.0
65°	1964.2	1590.1	430.8	108.7	82.6	66.5	58.4	55.3	53.0	51.4	51.3
67.5°	2193.7	1795.6	420.4	123.0	86.2	61.5	52.5	50.1	48.4	47.1	46.9
70°	2301.3	1763.4	261.3	133.1	91.1	56.6	46.8	45.1	43.8	42.9	42.5
71°	*2256.2*	*1674.4*	*219.1*	*131.9*	*90.6*	*54.6*	*44.6*	*43.3*	*42.0*	*41.2*	*40.8*
72.5°	2133.2	1527.0	182.8	122.7	84.7	50.7	41.7	40.4	39.2	38.3	38.0
75°	1914.2	1363.8	146.3	98.1	67.5	42.9	36.6	35.1	34.2	33.7	33.2
77.5°	1407.2	973.2	113.2	77.5	49.7	35.0	31.2	30.2	29.2	28.5	28.1
80°	539.1	377.0	76.2	57.8	36.5	27.7	25.2	24.7	23.7	23.2	23.2
82.5°	145.2	112.6	40.7	35.0	24.4	20.2	19.3	19.0	18.2	17.2	17.3
85°	58.7	49.7	22.8	19.3	14.9	11.9	13.0	13.1	12.2	10.9	11.0
87.5°	25.8	21.1	12.7	8.5	6.6	4.6	5.9	5.9	5.4	4.5	4.1
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

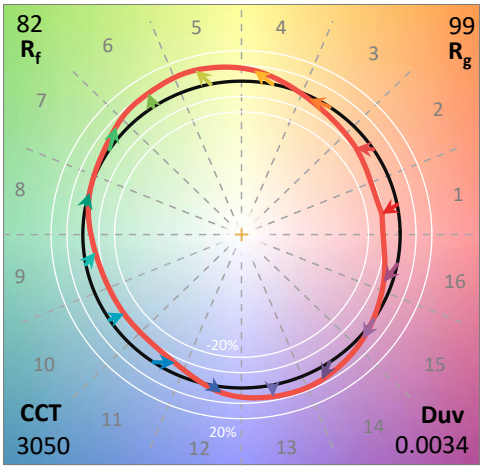
Test Information

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

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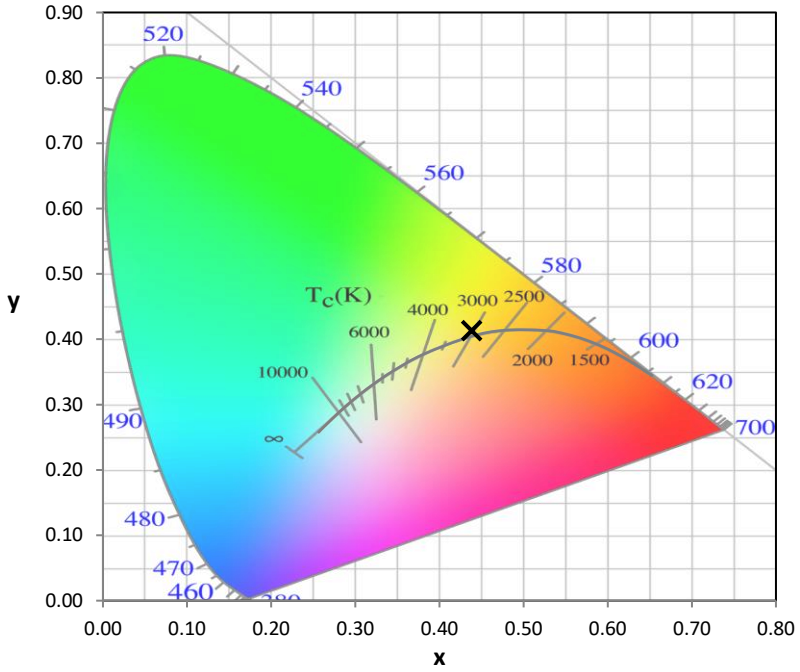
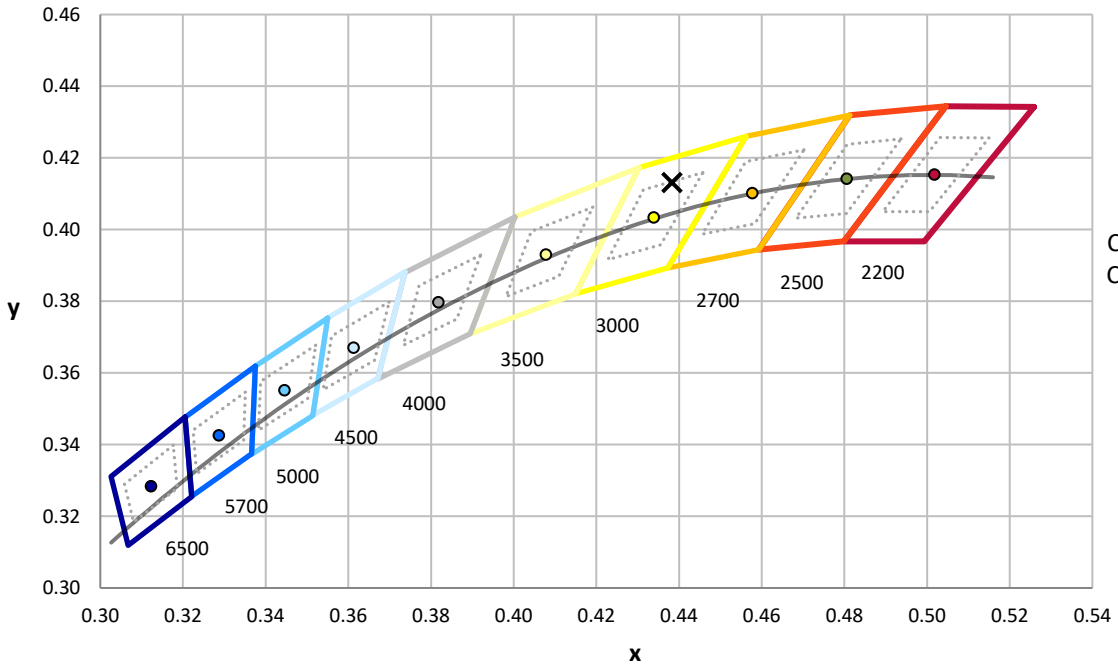
CIE 1931 Chromaticity Diagram



CIE 1931 Chromaticity Diagram with 2017 ANSI 7-Step and 4-Step Quadrangles

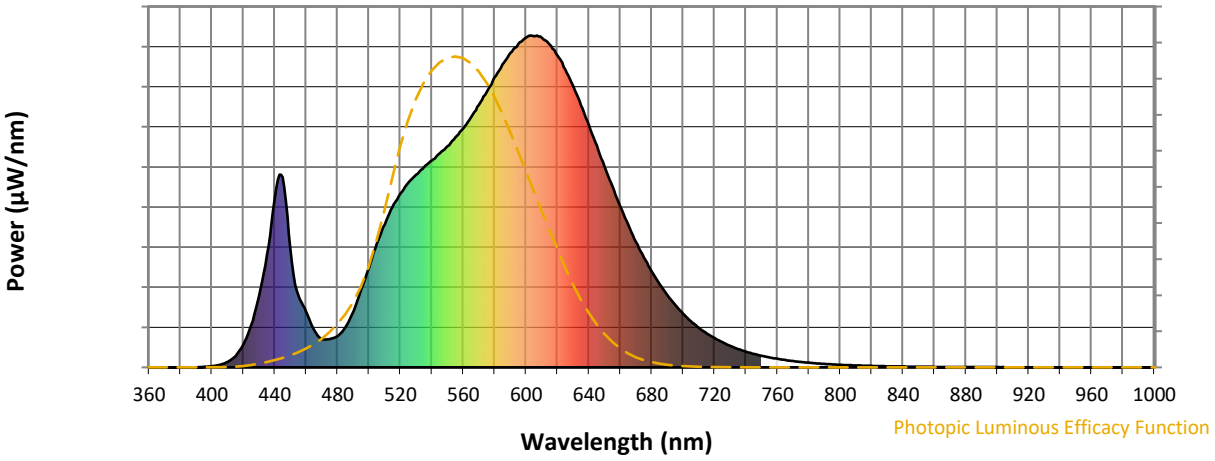


CCT = 3050K
CIE x = 0.4383
CIE y = 0.4131
Duv = 0.0034

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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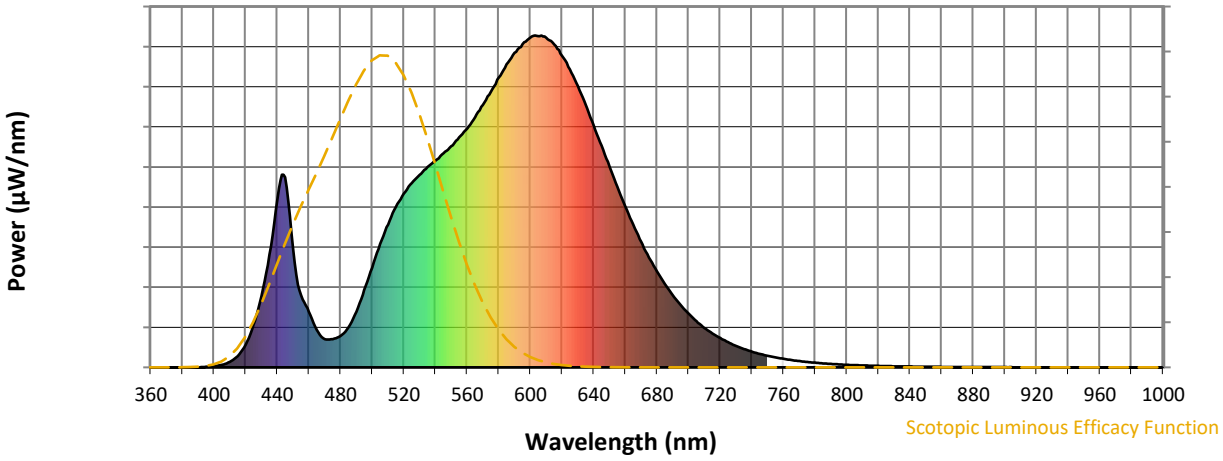
Scotopic Flux vs. Wavelength



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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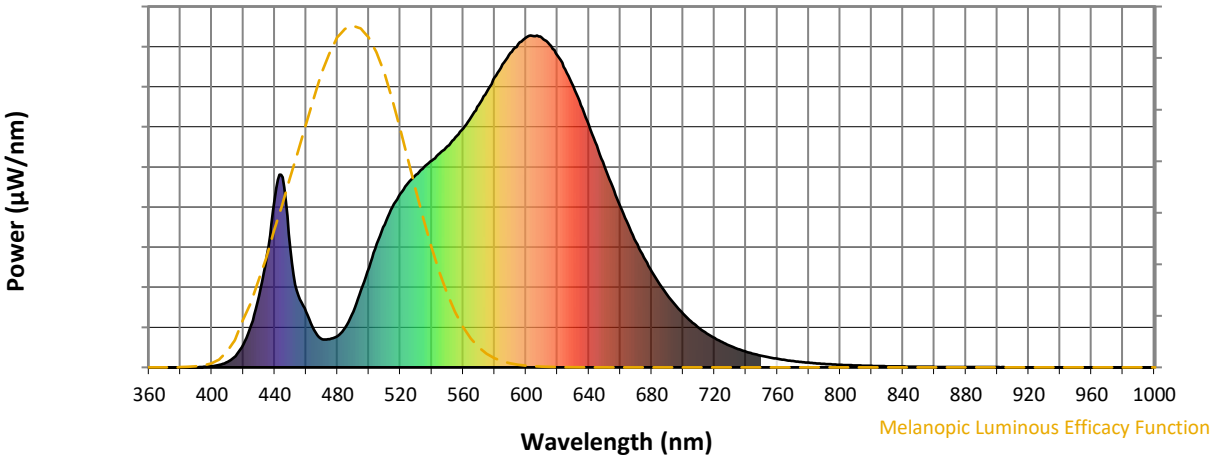
Melanopic Flux vs. Wavelength



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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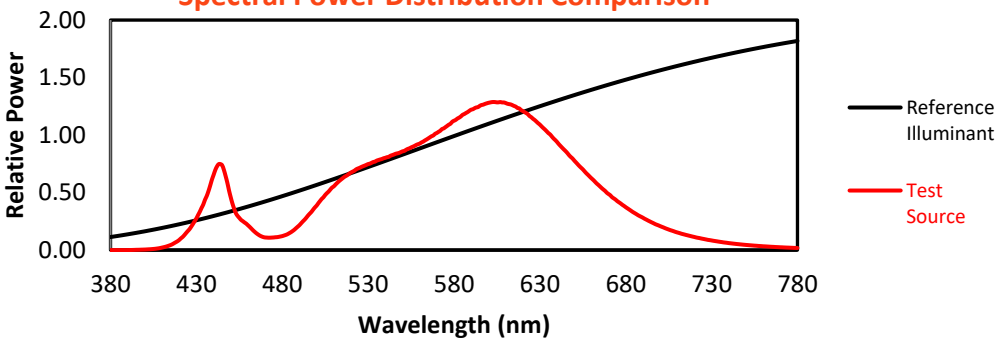
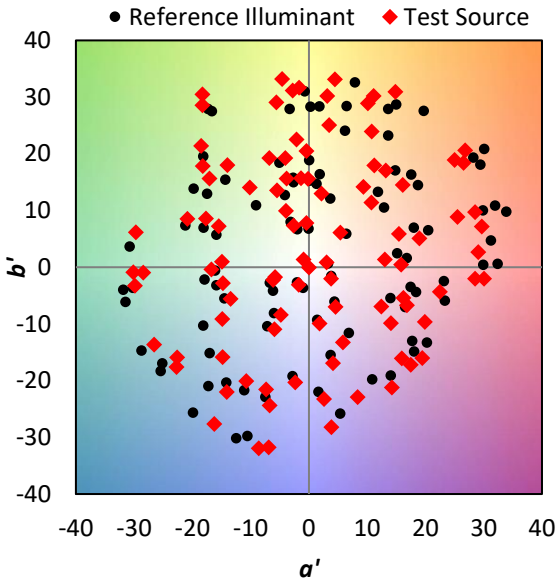
Summary

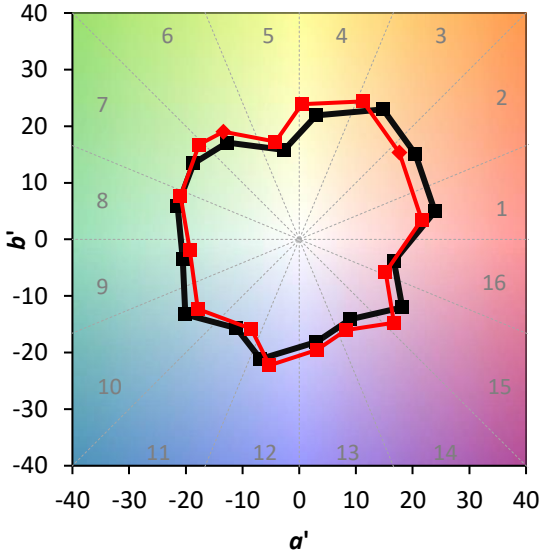
R_f = 81.5
R_g = 99.2
CIE R_a = 81.0
R_9 = 7.1

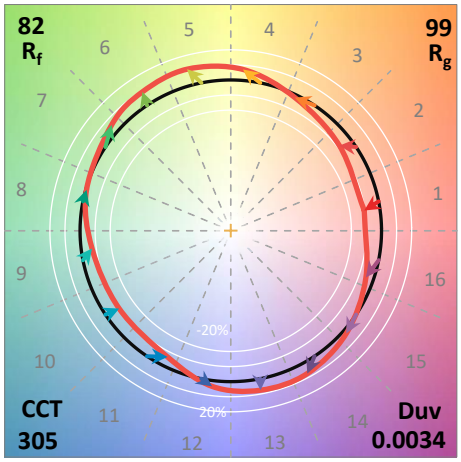
Spectral Power Distribution Comparison

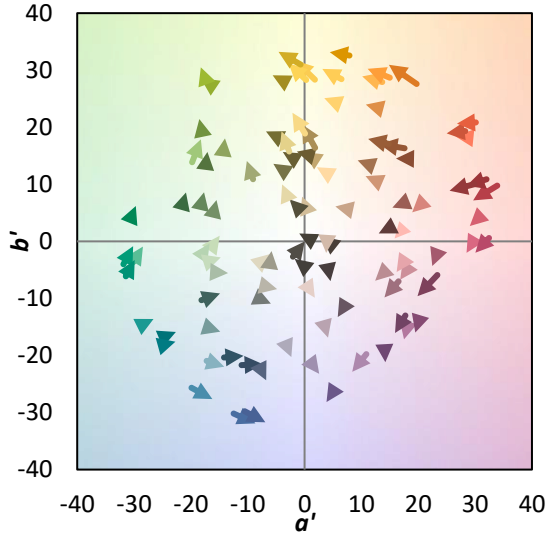


Color Vector Graphics









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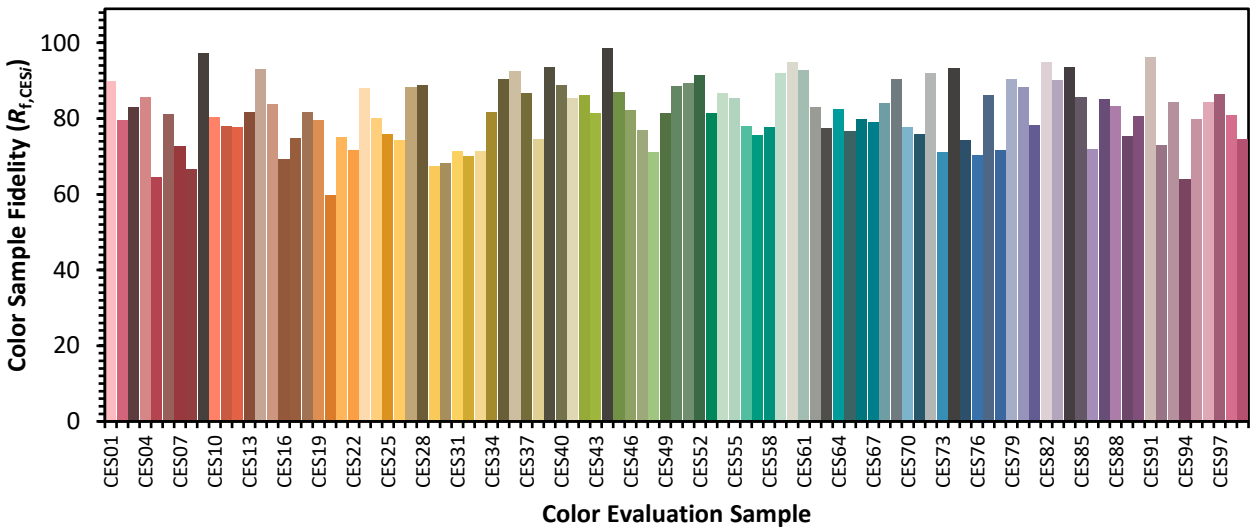
Individual Sample Fidelity Index ($R_{f,i}$)

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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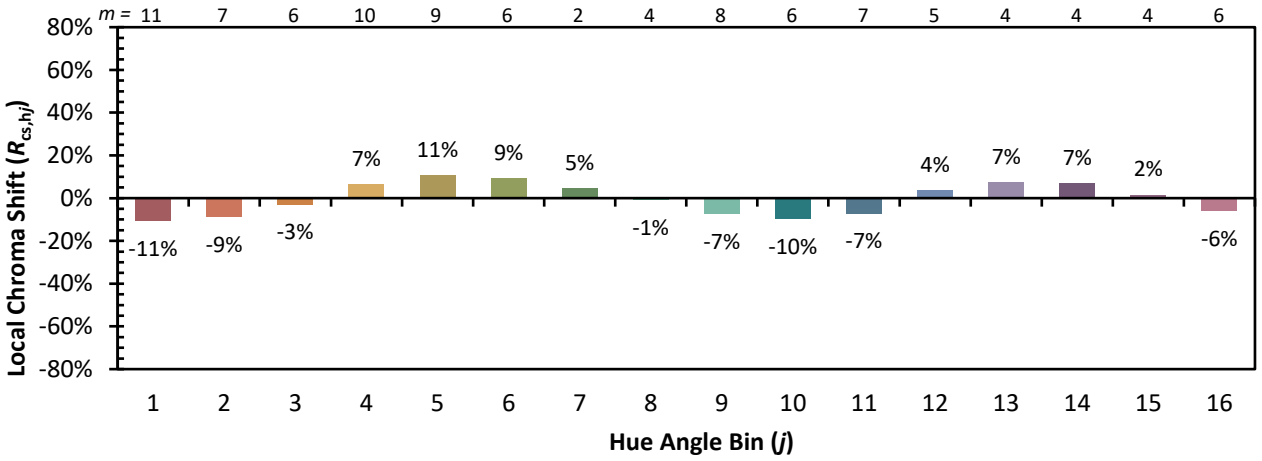
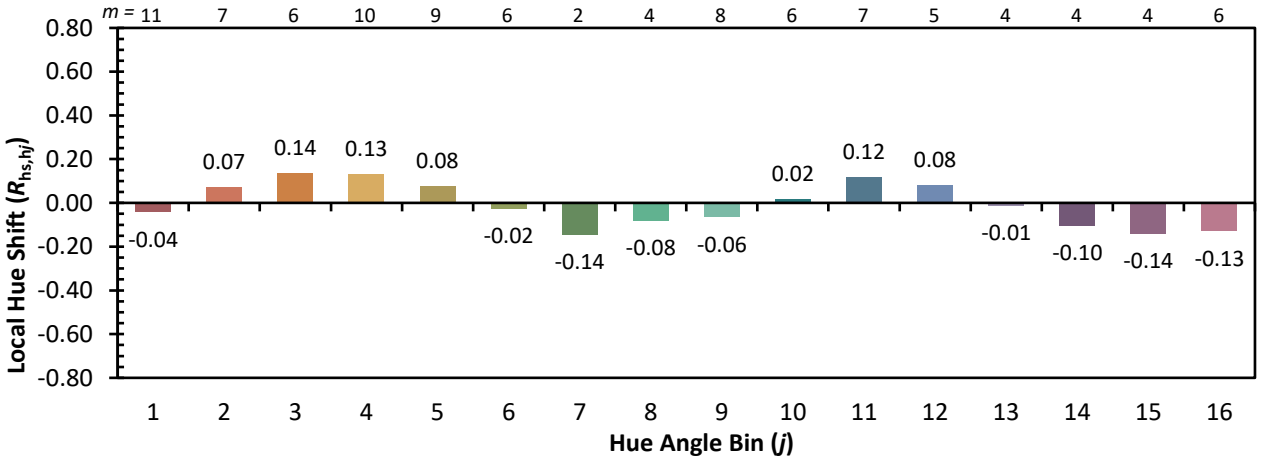
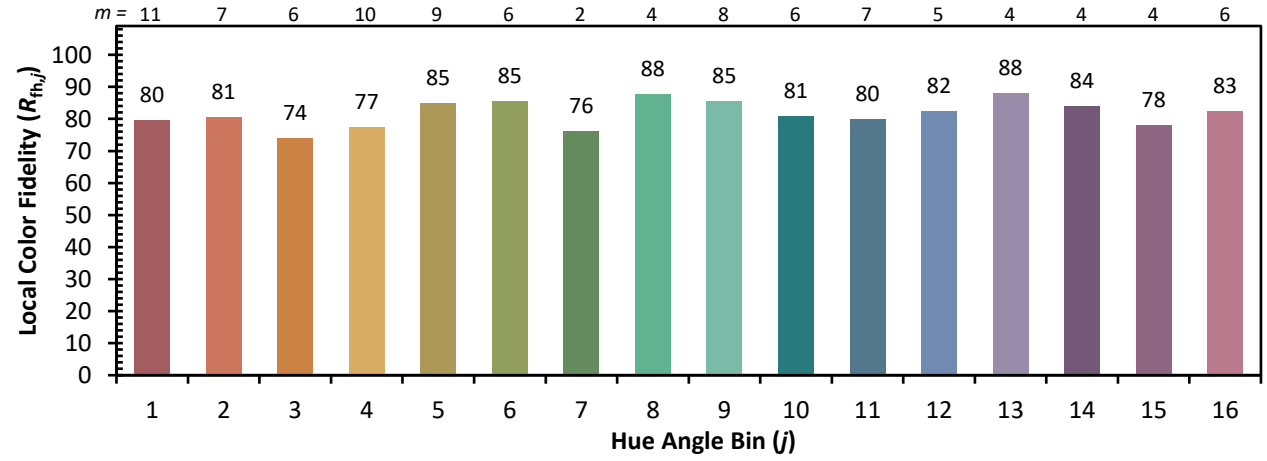
Color Rendition by Hue-Angle Bin







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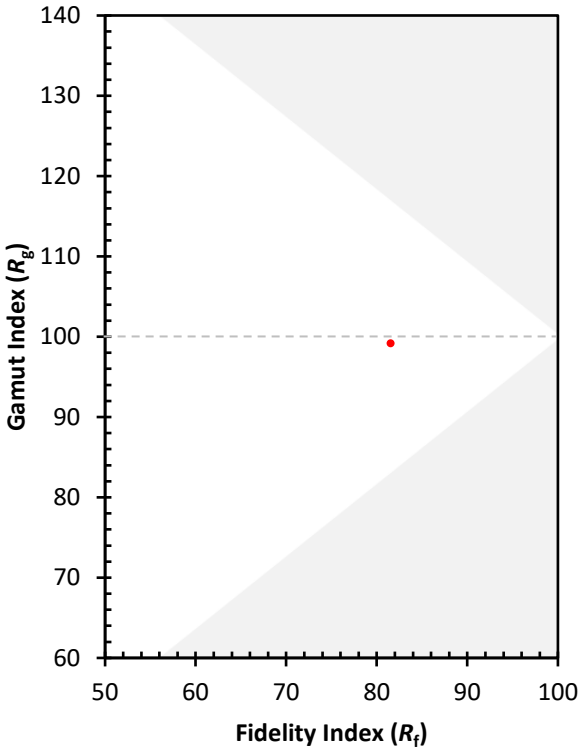
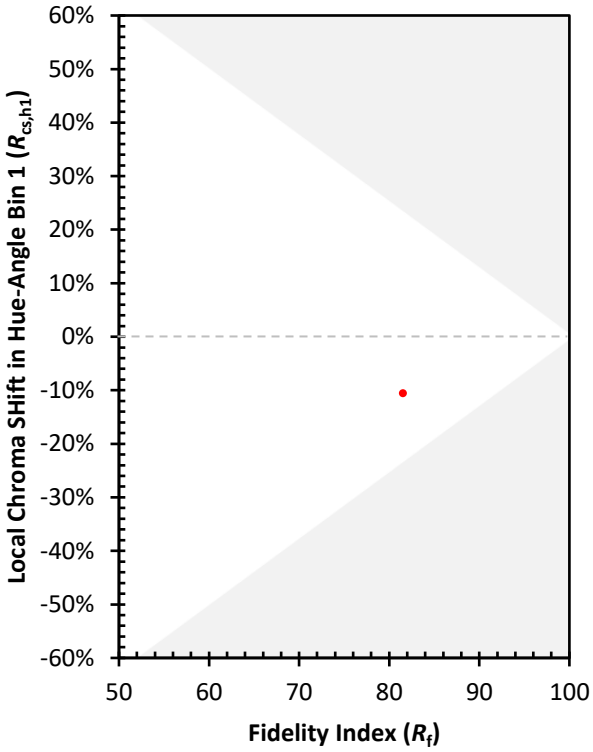
Measure Comparisons





(END OF REPORT)