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: P321426

Luminaire Tested: **GLEON-SA2A-830-U-T2R-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:	P321426
	TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-9)
Test Lab:	INNOVATION CENTER
Issue Date:	3/3/2020
Manufacturer:	COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line:	McGRAW-EDISON
Catalog Number:	GLEON-SA2A-830-U-T2R-HSS
Description:	GALLEON AREA AND ROADWAY LUMINAIRE
	(2) 80 CRI, 3000K, 615mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II ROADWAY OPTICS WITH HOUSE SIDE SHIELD
Light Source:	-
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	6116 lumens
Efficiency:	N/A
Efficacy:	92.7 lumens/watt
Luminous Opening:	Rectangular (W 0.5' x L: 1' x H: 0')
IES Classification:	Type II - Medium
BUG Rating:	B0 - U0 - G1

Input Watts (W):	66
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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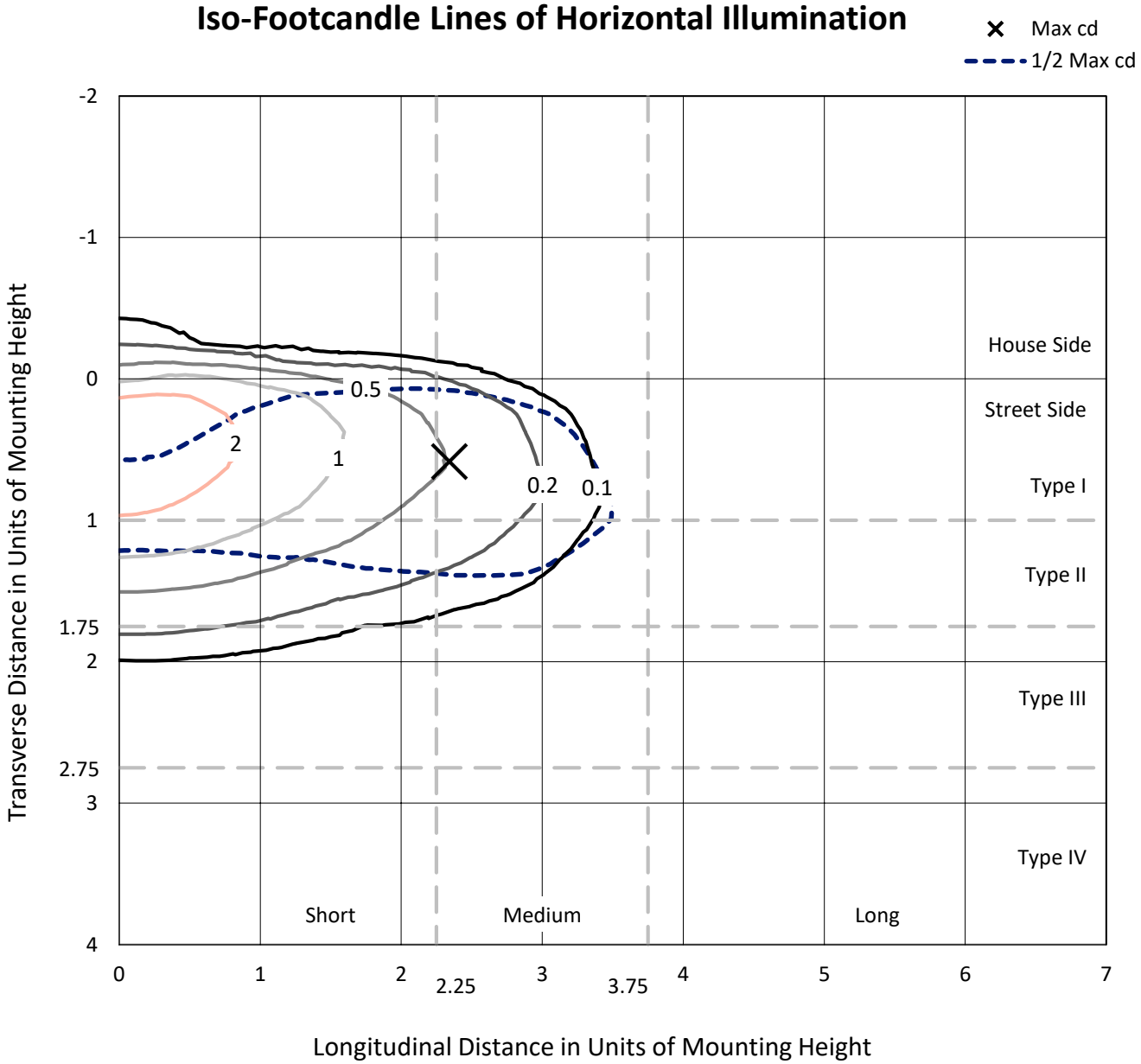
REPORT NUMBER: P321426
CATALOG NUMBER: GLEON-SA2A-830-U-T2R-HSS

Iso-Footcandle Lines of Horizontal Illumination



Based on 25 foot mounting height. Maximum calculated value = 2.9 fc
Type II - Medium - N/A

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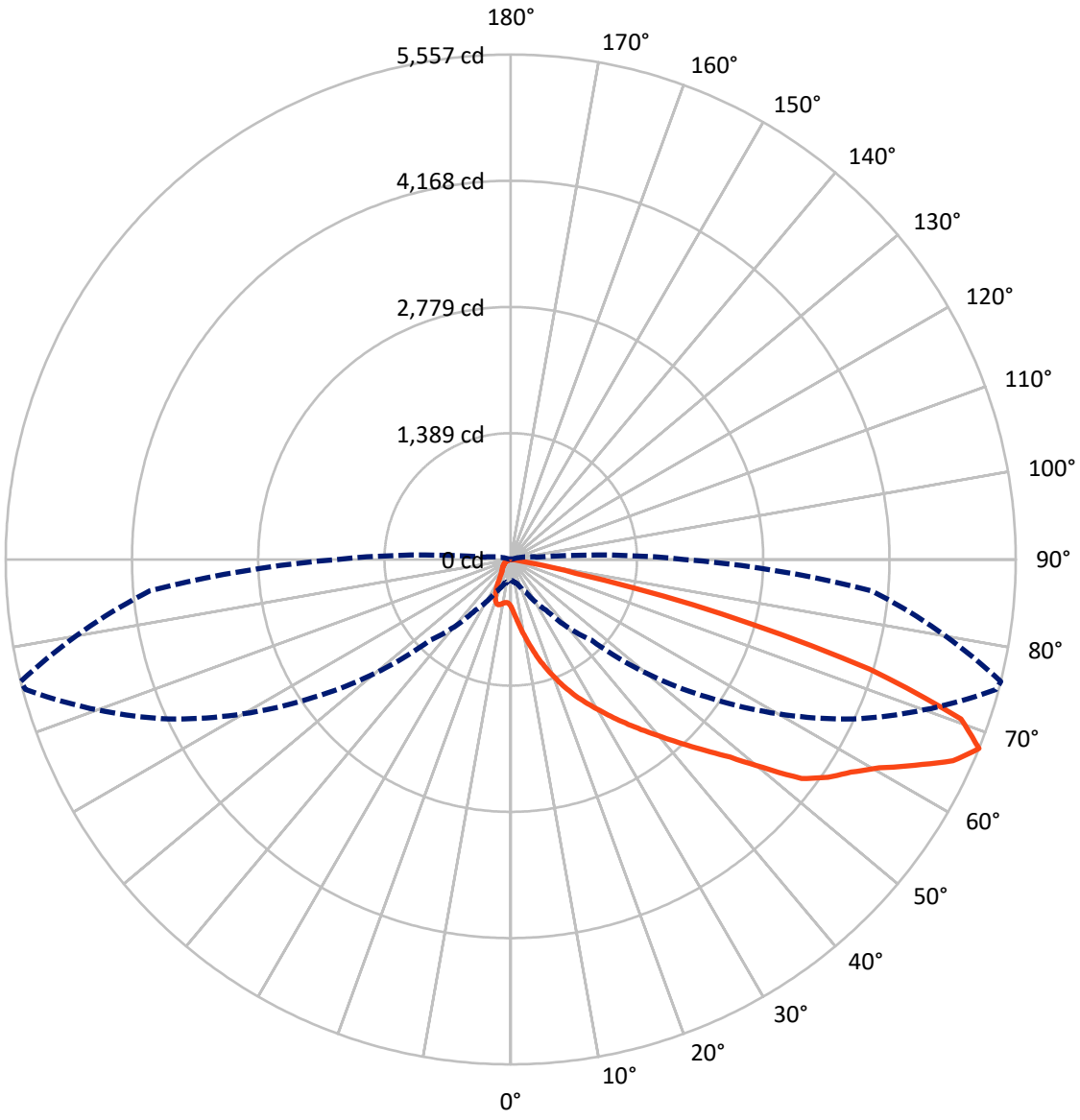
Luminous Intensity Polar Plot



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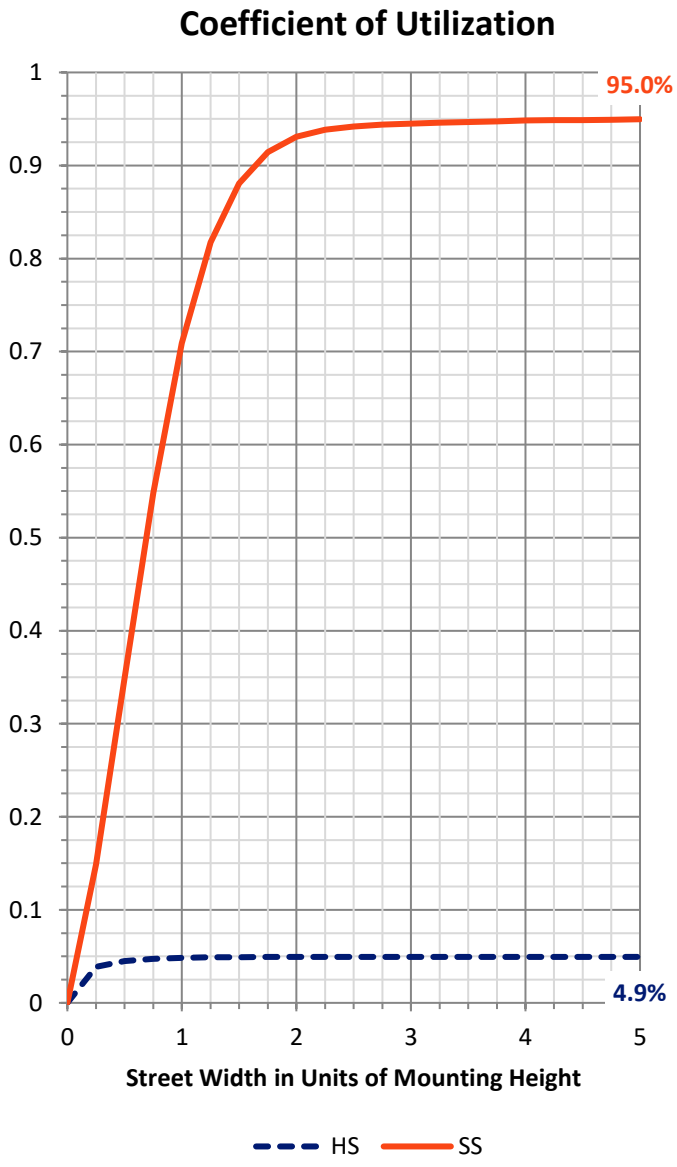
CATALOG NUMBER: GLEON-SA2A-830-U-T2R-HSS

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	303.7	0.0	303.7
	% Fixture	5.0	0.0	5.0
Street Side	Lumens	5812.3	0.0	5812.3
	% Fixture	95.0	0.0	95.0
Total	Lumens	6116.0	0.0	6116.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	64.5	1.1
10°-20°	255.7	4.2
20°-30°	520.3	8.5
30°-40°	903.2	14.8
40°-50°	1276.0	20.9
50°-60°	1447.1	23.7
60°-70°	1200.2	19.6
70°-80°	434.8	7.1
80°-90°	14.1	0.2
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°	6116.0	100.0
0°-180°	6116.0	100.0



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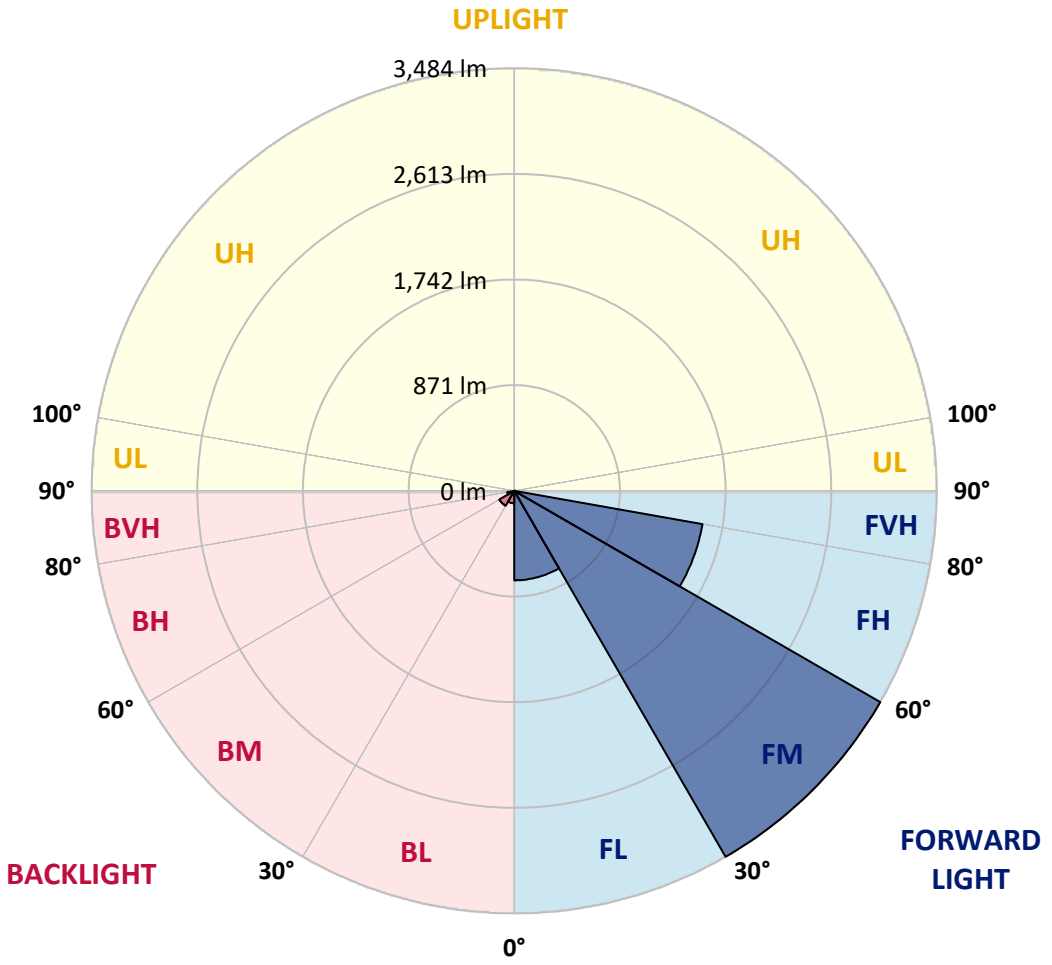
LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	738.2	12.1			
FM	(30°-60°)	3484.2	57.0			
FH	(60°-80°)	1576.3	25.8			G1/1800
FVH	(80°-90°)	13.7	0.2			G1/100
BL	(0°-30°)	102.4	1.7	B0/110		
BM	(30°-60°)	142.1	2.3	B0/220		
BH	(60°-80°)	58.7	1.0	B0/110		G0/110
BVH	(80°-90°)	0.4	0.0			G0/10
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B0-U0-G1
Type II Medium



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Scaled Data Report

REPORT NUMBER: P321426
CATALOG NUMBER: GLEON-SA2A-830-U-T2R-HSS

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	76°	85°
0°	518.8	518.8	518.8	518.8	518.8	518.8	518.8	518.8	518.8	*518.8*	518.8
2.5°	774.5	757.1	761.1	749.8	729.4	687.6	652.0	618.2	578.8	*577.5*	545.1
5°	1044.3	1029.6	1027.7	1004.9	968.0	896.9	827.8	749.0	661.1	*654.7*	585.8
7.5°	1289.3	1277.5	1273.2	1246.1	1177.2	1108.1	1018.1	902.3	764.8	*753.0*	640.7
10°	1477.4	1471.8	1472.8	1453.5	1394.6	1330.3	1212.1	1064.4	882.5	*864.2*	706.7
12.5°	1620.0	1621.3	1630.9	1619.1	1586.2	1538.5	1412.3	1237.3	1012.7	*987.8*	782.0
15°	1724.7	1731.4	1749.1	1763.9	1761.4	1720.2	1604.4	1412.8	1151.0	*1123.4*	865.9
17.5°	1792.5	1800.0	1825.8	1858.5	1888.5	1878.8	1789.9	1582.2	1290.9	*1259.0*	955.6
20°	1852.0	1860.9	1888.5	1931.6	1987.6	1999.7	1941.3	1746.4	1430.5	*1391.6*	1048.3
22.5°	1980.9	1980.7	1997.5	2022.7	2076.1	2107.1	2070.2	1898.9	1568.5	*1528.0*	1142.9
25°	2214.1	2205.2	2199.3	2179.5	2191.3	2210.6	2190.0	2041.5	1707.3	*1666.3*	1238.9
27.5°	2491.2	2496.5	2448.8	2395.5	2354.2	2334.4	2300.6	2173.6	1840.8	*1795.8*	1332.7
30°	2783.5	2785.1	2728.9	2660.8	2570.0	2494.6	2436.2	2299.8	1978.0	*1928.9*	1423.8
32.5°	3047.2	3036.8	2981.0	2888.3	2773.6	2688.9	2567.5	2440.8	2123.2	*2075.8*	1525.1
35°	3256.3	3243.9	3176.1	3091.7	2972.7	2887.5	2741.5	2581.5	2276.0	*2229.6*	1626.7
37.5°	3409.0	3394.5	3324.9	3238.0	3135.4	3085.8	2943.3	2734.5	2442.7	*2392.8*	1733.6
40°	3462.1	3449.5	3405.8	3342.3	3259.7	3248.5	3157.4	2910.6	2624.1	*2571.0*	1854.7
42.5°	3430.4	3418.1	3402.6	3381.1	3346.8	3357.6	3359.4	3111.3	2825.6	*2773.3*	1988.4
45°	3305.0	3294.0	3310.1	3341.5	3384.1	3437.1	3543.8	3327.0	3050.7	*2995.0*	2143.1
47.5°	3120.4	3112.3	3156.8	3235.1	3359.7	3506.0	3712.4	3553.7	3303.4	*3251.7*	2336.0
50°	2857.8	2856.4	2945.4	3088.2	3279.8	3539.2	3886.5	3811.5	3654.5	*3600.1*	2604.3
52.5°	2448.8	2451.5	2626.5	2855.1	3139.7	3516.7	3998.6	4142.7	4062.9	*4006.3*	2836.6
55°	2059.4	2075.5	2199.6	2529.2	2924.8	3433.1	4037.2	4297.4	4288.3	*4234.7*	2965.8
57.5°	1678.1	1707.3	1826.8	2134.7	2611.0	3240.4	4016.0	4364.4	4456.0	*4415.0*	3136.2
60°	1264.9	1278.3	1416.0	1703.8	2208.2	2888.9	3862.4	4400.8	4685.4	*4657.0*	3383.5
62.5°	804.8	838.2	960.4	1238.1	1719.4	2400.6	3603.6	4400.3	4972.4	*4988.0*	3702.7
65°	423.9	463.1	527.9	767.2	1181.5	1855.2	3214.2	4359.0	5324.5	*5346.2*	3952.2
67.5°	*228.6*	*239.8*	*274.1*	*398.2*	*685.2*	*1256.8*	*2642.0*	*4155.3*	*5528.5*	*5557.2*	*3987.0*
70°	167.2	173.4	186.2	220.3	344.9	730.0	1927.9	3693.6	5265.6	*5254.9*	3542.5
72.5°	128.4	138.0	147.7	161.3	198.3	389.6	1200.3	2892.3	4201.4	*4130.7*	2647.9
75°	101.3	102.9	116.6	128.9	148.7	221.9	533.0	1684.5	2564.3	*2396.8*	1373.1
77.5°	80.9	82.0	90.0	100.8	119.5	145.8	165.1	662.7	818.7	*730.5*	298.0
80°	48.0	50.6	67.0	77.7	99.2	91.9	60.3	143.9	127.8	*115.8*	50.1
82.5°	26.8	28.9	37.8	61.4	69.1	43.9	30.0	38.9	30.0	*29.2*	14.2
85°	0.0	1.3	24.4	38.1	28.1	9.6	12.6	12.9	8.8	*8.3*	5.6
87.5°	0.0	0.0	7.5	7.2	1.1	1.6	2.9	4.3	3.5	*3.5*	2.9
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: P321426
CATALOG NUMBER: GLEON-SA2A-830-U-T2R-HSS

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	518.8	518.8	518.8	518.8	518.8	518.8	518.8	518.8	518.8	518.8	518.8
2.5°	529.0	514.5	487.2	460.4	437.9	419.4	402.8	396.1	390.7	389.9	385.6
5°	552.6	523.4	471.1	428.2	399.6	379.2	361.8	351.1	342.7	339.5	336.6
7.5°	588.2	544.0	469.0	419.7	385.4	351.1	318.9	284.1	262.4	254.0	249.2
10°	631.6	571.3	477.0	417.2	357.2	284.9	231.5	187.3	169.4	163.5	161.9
12.5°	682.3	605.4	490.9	402.2	297.2	202.3	159.7	144.7	140.7	138.8	138.8
15°	740.4	642.6	500.9	358.8	219.7	153.0	138.3	131.3	127.0	124.6	124.9
17.5°	799.9	679.1	496.0	295.9	162.1	136.1	125.1	117.6	111.7	109.3	108.8
20°	860.0	712.8	469.2	220.3	137.2	123.5	111.2	102.9	97.0	94.6	94.1
22.5°	922.1	741.5	422.1	161.6	123.3	109.6	97.5	89.2	83.6	81.5	80.4
25°	982.7	764.8	356.1	130.8	110.1	96.5	85.0	77.2	72.1	69.9	69.7
27.5°	1039.2	779.6	279.8	115.5	98.6	84.7	74.2	67.3	63.0	61.4	61.1
30°	1090.2	780.9	206.9	104.2	88.4	74.5	64.9	58.7	54.9	53.3	52.8
32.5°	1141.6	769.6	150.6	94.1	79.1	65.7	56.3	51.5	48.8	47.4	47.4
35°	1190.1	743.7	117.4	85.2	69.9	57.1	49.6	46.1	44.5	43.1	43.1
37.5°	1237.5	706.4	99.7	77.4	61.4	49.8	43.7	41.5	40.2	38.9	38.9
40°	1285.8	659.5	90.6	70.2	54.4	44.2	38.9	37.0	35.6	34.6	34.3
42.5°	1345.0	605.4	84.7	63.5	48.2	39.1	34.3	32.2	31.1	30.0	29.5
45°	1413.6	558.7	79.9	56.8	43.1	34.8	29.7	27.6	26.0	24.7	24.4
47.5°	1512.5	525.0	73.4	49.6	38.3	30.3	25.7	23.3	20.9	19.6	19.3
50°	1638.7	497.1	65.1	43.1	33.5	25.7	21.4	18.5	16.3	15.0	15.0
52.5°	1701.4	460.7	57.6	37.5	28.1	21.7	17.4	13.9	12.9	11.5	11.5
55°	1726.6	432.8	50.1	31.9	23.3	18.0	13.7	10.7	9.9	9.1	8.8
57.5°	1797.4	424.8	43.7	27.1	19.3	14.2	10.5	8.0	7.5	6.4	6.4
60°	1911.3	428.8	37.8	23.0	15.5	11.0	7.8	6.2	5.6	4.6	4.6
62.5°	2034.3	423.7	31.9	19.8	12.1	8.0	5.4	4.6	4.6	2.7	2.4
65°	2057.8	377.3	27.3	16.3	9.4	5.9	3.5	2.9	4.0	0.5	0.0
67.5°	*1909.9*	*292.6*	*23.6*	*12.6*	*7.0*	*4.6*	*2.7*	*1.3*	*3.5*	*0.0*	*0.0*
70°	1527.2	186.0	19.0	9.1	5.4	3.8	2.1	0.5	2.7	0.0	0.0
72.5°	1080.0	108.0	15.0	6.4	4.6	2.9	1.6	0.0	1.6	0.0	0.0
75°	546.1	57.6	9.4	4.8	3.5	2.1	1.1	0.0	0.3	0.0	0.0
77.5°	118.2	26.8	5.9	3.5	2.4	1.3	0.5	0.0	0.0	0.0	0.0
80°	25.7	11.8	3.8	2.1	1.3	0.8	0.0	0.0	0.0	0.0	0.0
82.5°	9.4	6.2	1.9	1.1	0.5	0.0	0.0	0.0	0.0	0.0	0.0
85°	5.1	3.2	1.1	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	2.7	1.1	0.3	0.3	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

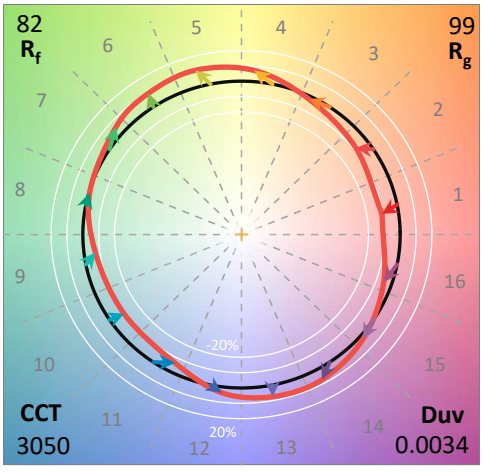
Test Information

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

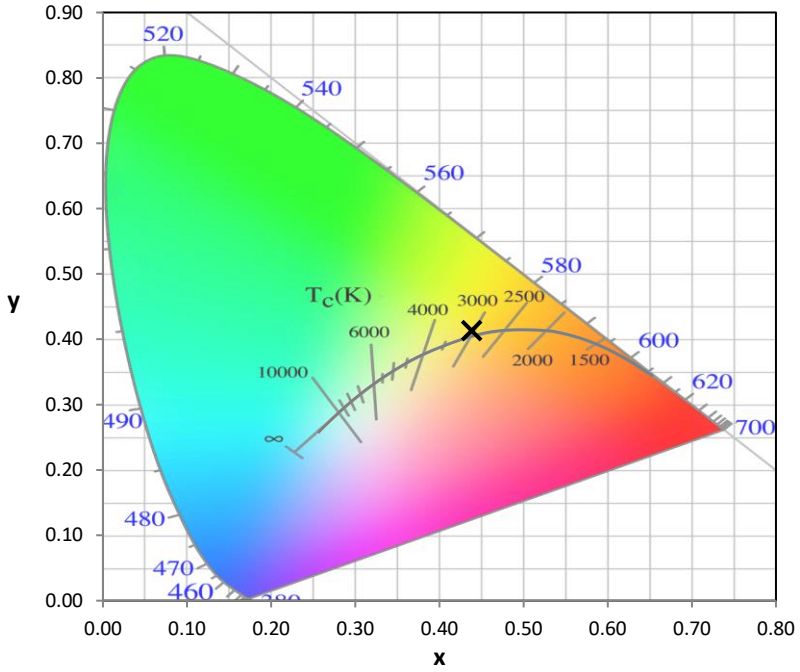
Stabilization Time:	20M
Operation Time:	1H 20M
Sphere Temperature (°C):	24.2

REPORT NUMBER: SP1-2408-195-9

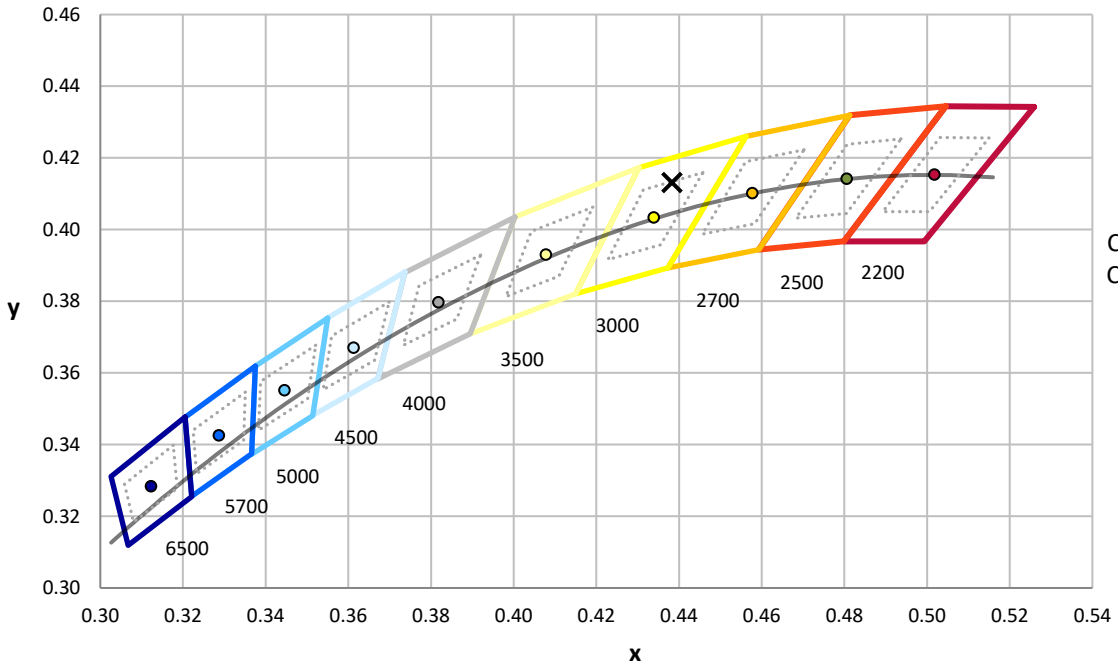
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

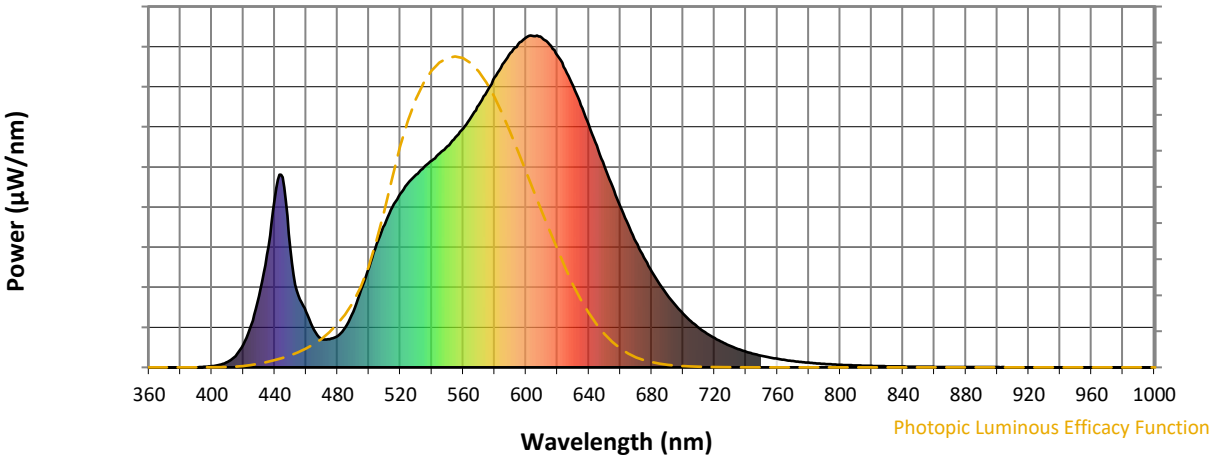


CCT = 3050K
CIE x = 0.4383
CIE y = 0.4131
Duv = 0.0034

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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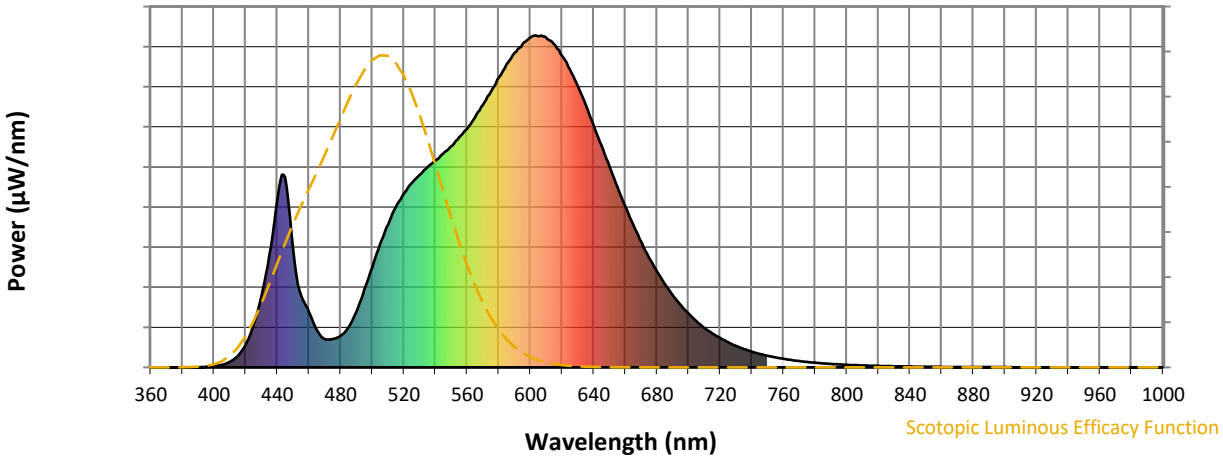
Scotopic Flux vs. Wavelength



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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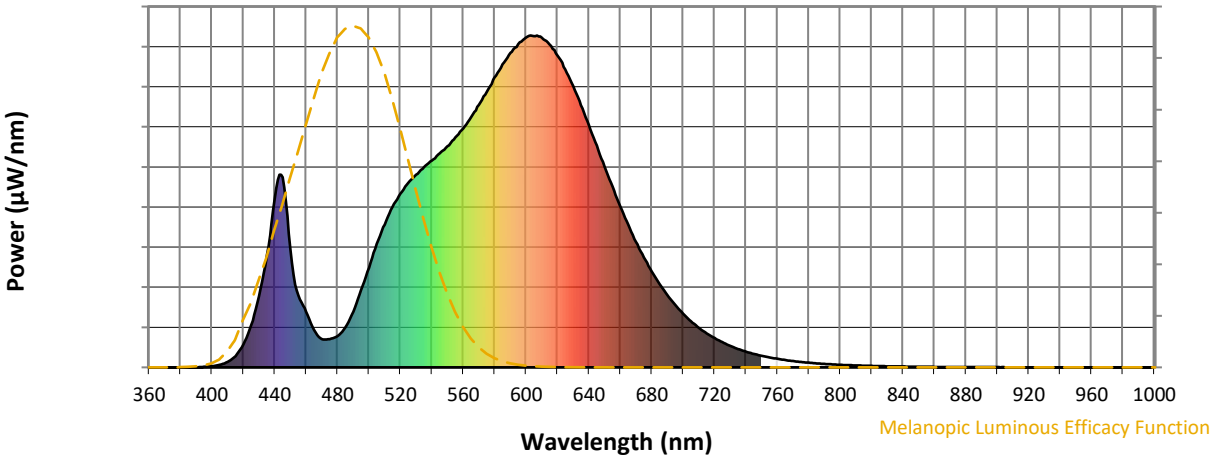
Melanopic Flux vs. Wavelength



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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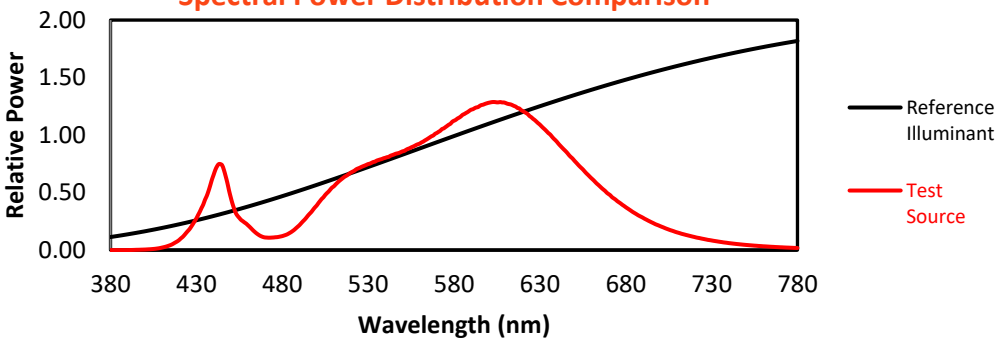
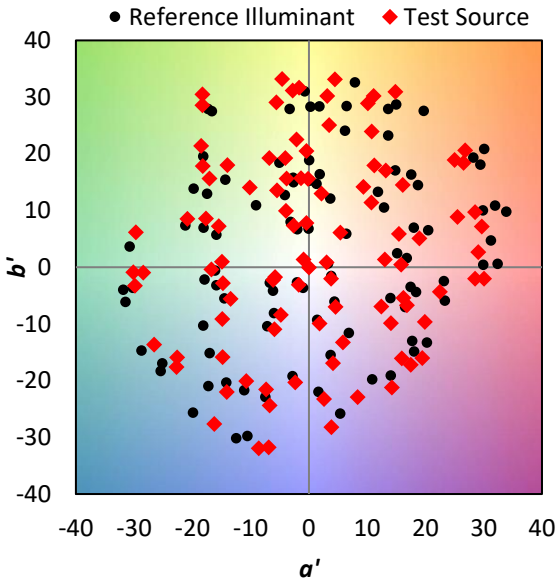
Summary

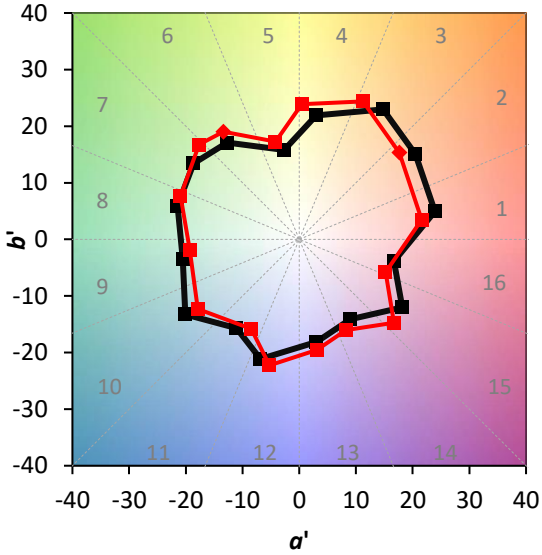
R_f = 81.5
R_g = 99.2
CIE R_a = 81.0
R_9 = 7.1

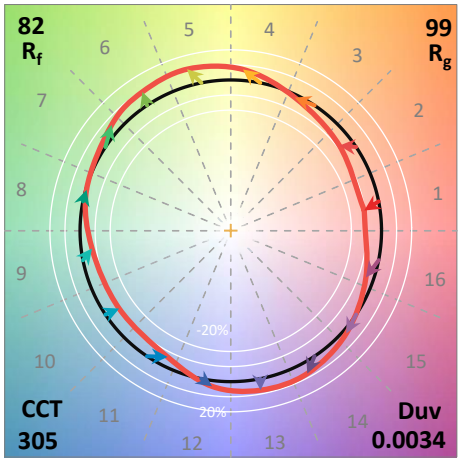
Spectral Power Distribution Comparison

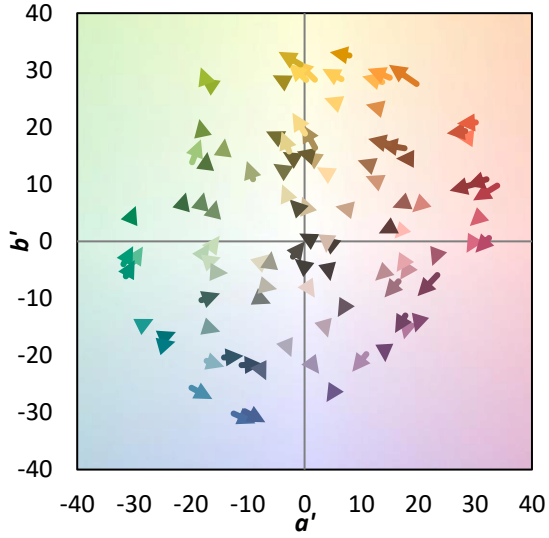


Color Vector Graphics









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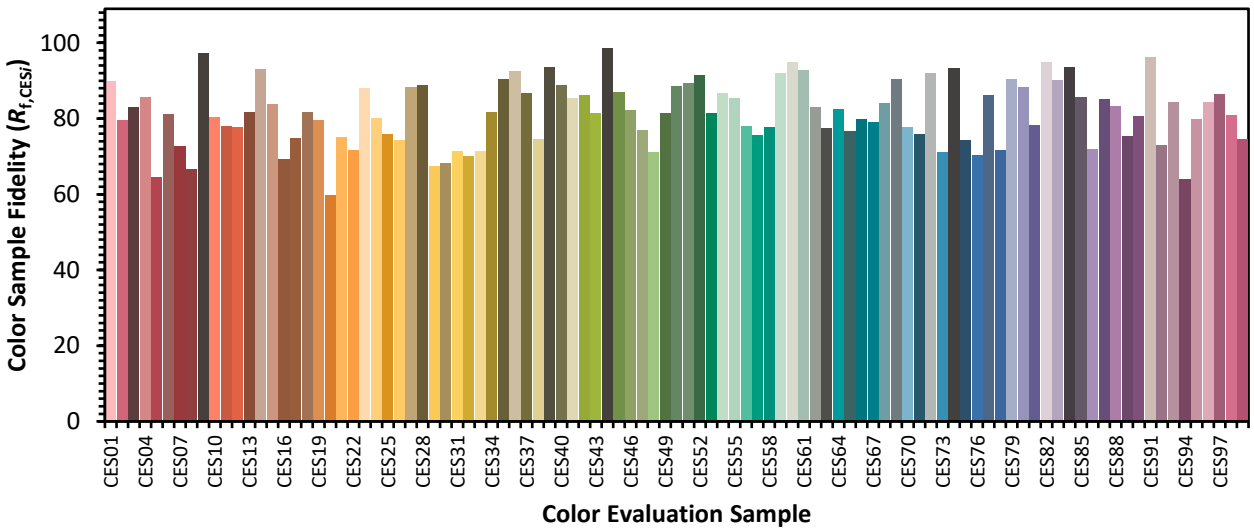
Individual Sample Fidelity Index ($R_{f,i}$)

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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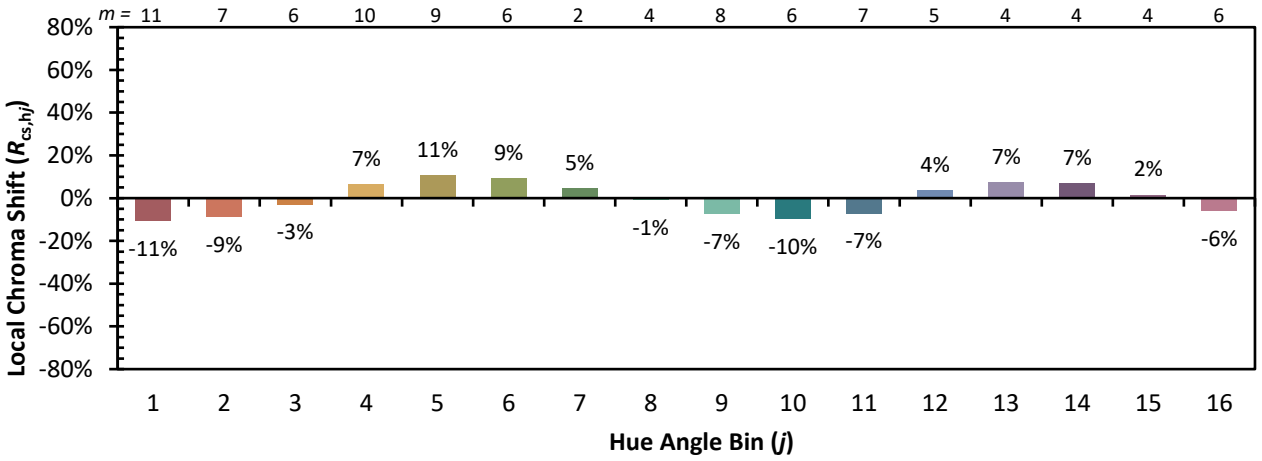
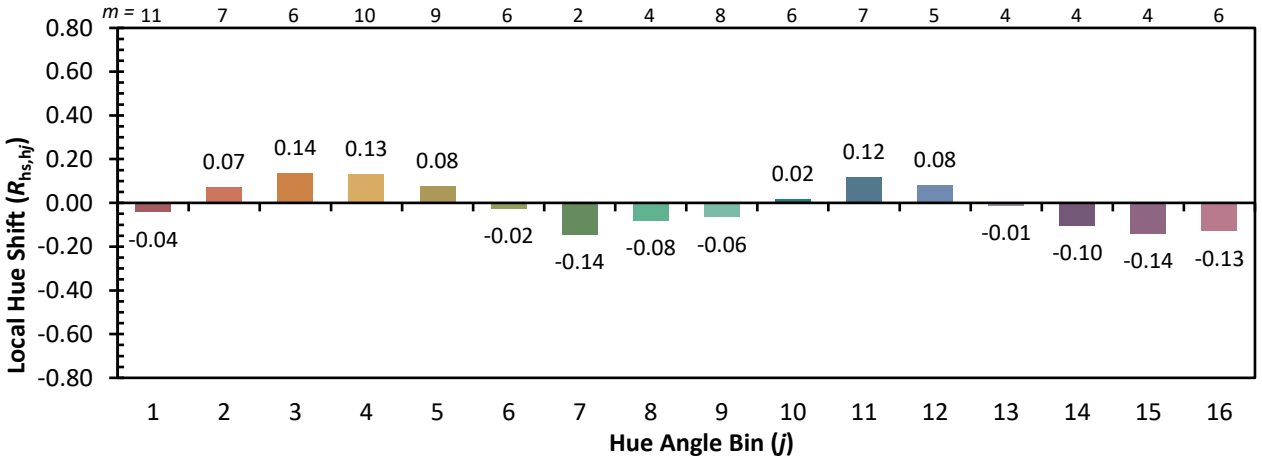
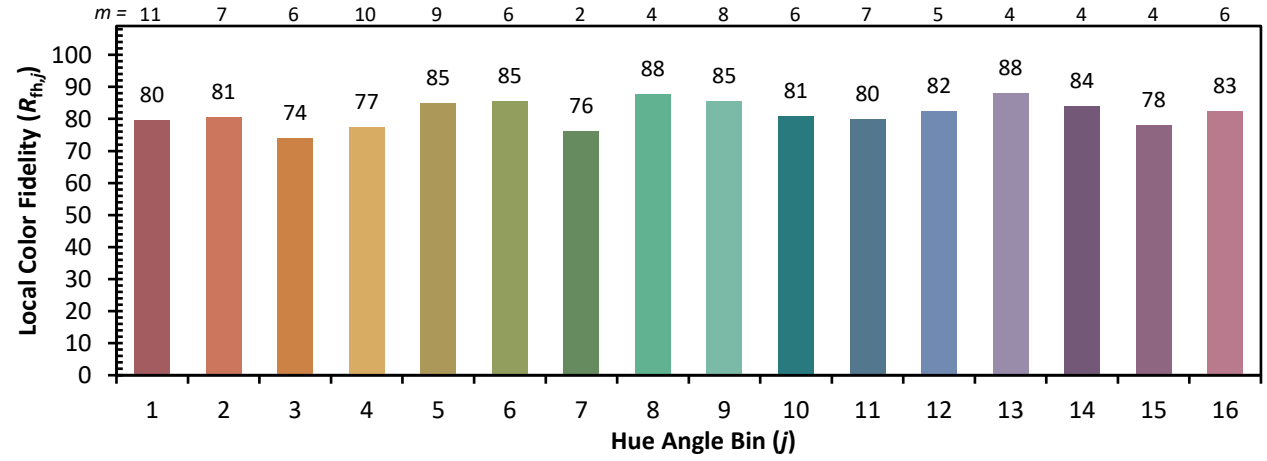
Color Rendition by Hue-Angle Bin







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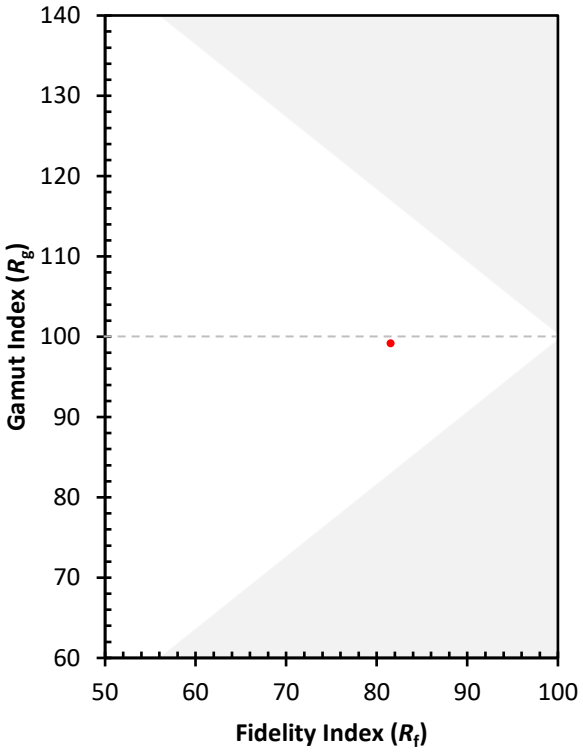
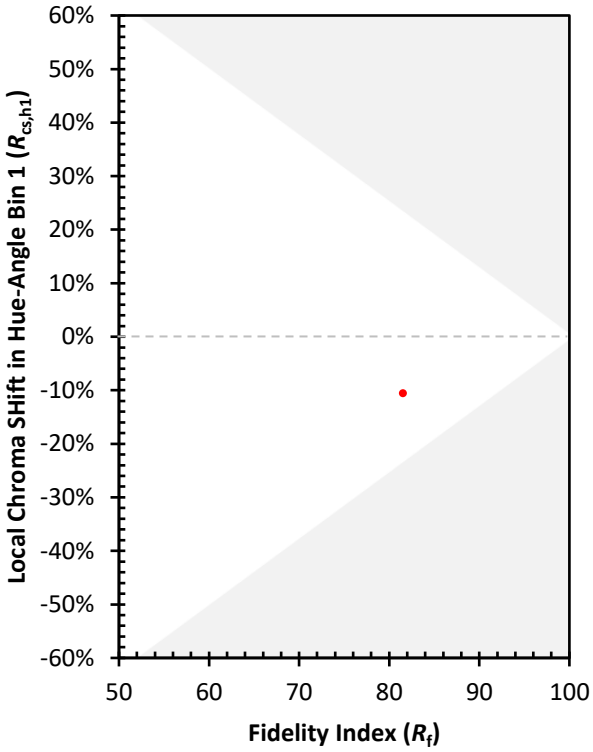
Measure Comparisons





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