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: P321444

Luminaire Tested: **GLEON-SA0B-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:	P321444
	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-SA0B-830-U-T2R-HSS
Description:	GALLEON AREA AND ROADWAY LUMINAIRE
	(10) 80 CRI, 3000K, 800mA 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:	36281 lumens
Efficiency:	N/A
Efficacy:	86.6 lumens/watt
Luminous Opening:	Rectangular (W 2.5' x L: 1' x H: 0')
IES Classification:	Type II - Medium
BUG Rating:	B2 - U0 - G4

Input Watts (W):	419
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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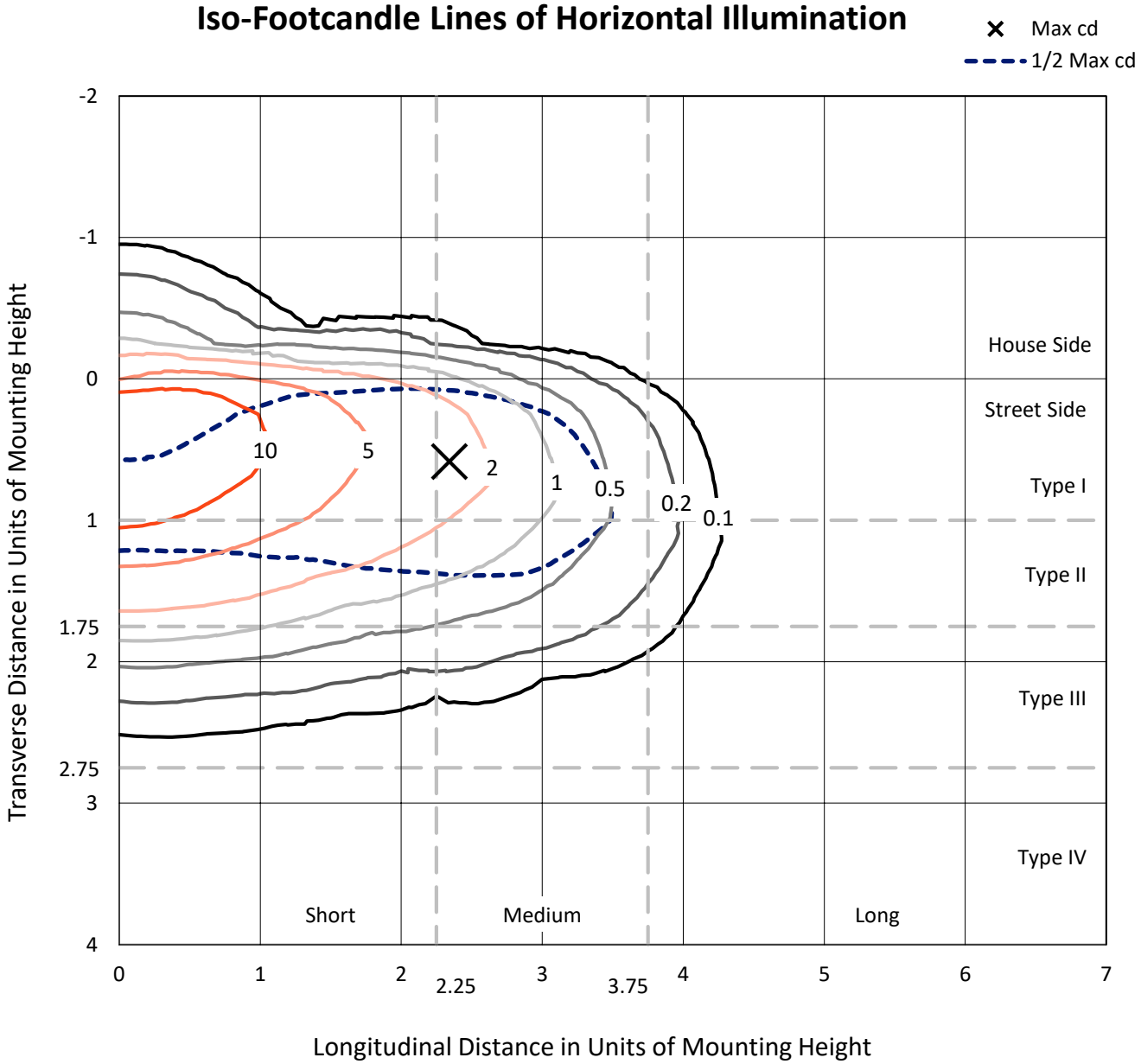
Scaled Data Report

REPORT NUMBER: P321444
CATALOG NUMBER: GLEON-SA0B-830-U-T2R-HSS

Iso-Footcandle Lines of Horizontal Illumination



Based on 25 foot mounting height. Maximum calculated value = 17.3 fc
Type II - Medium - N/A

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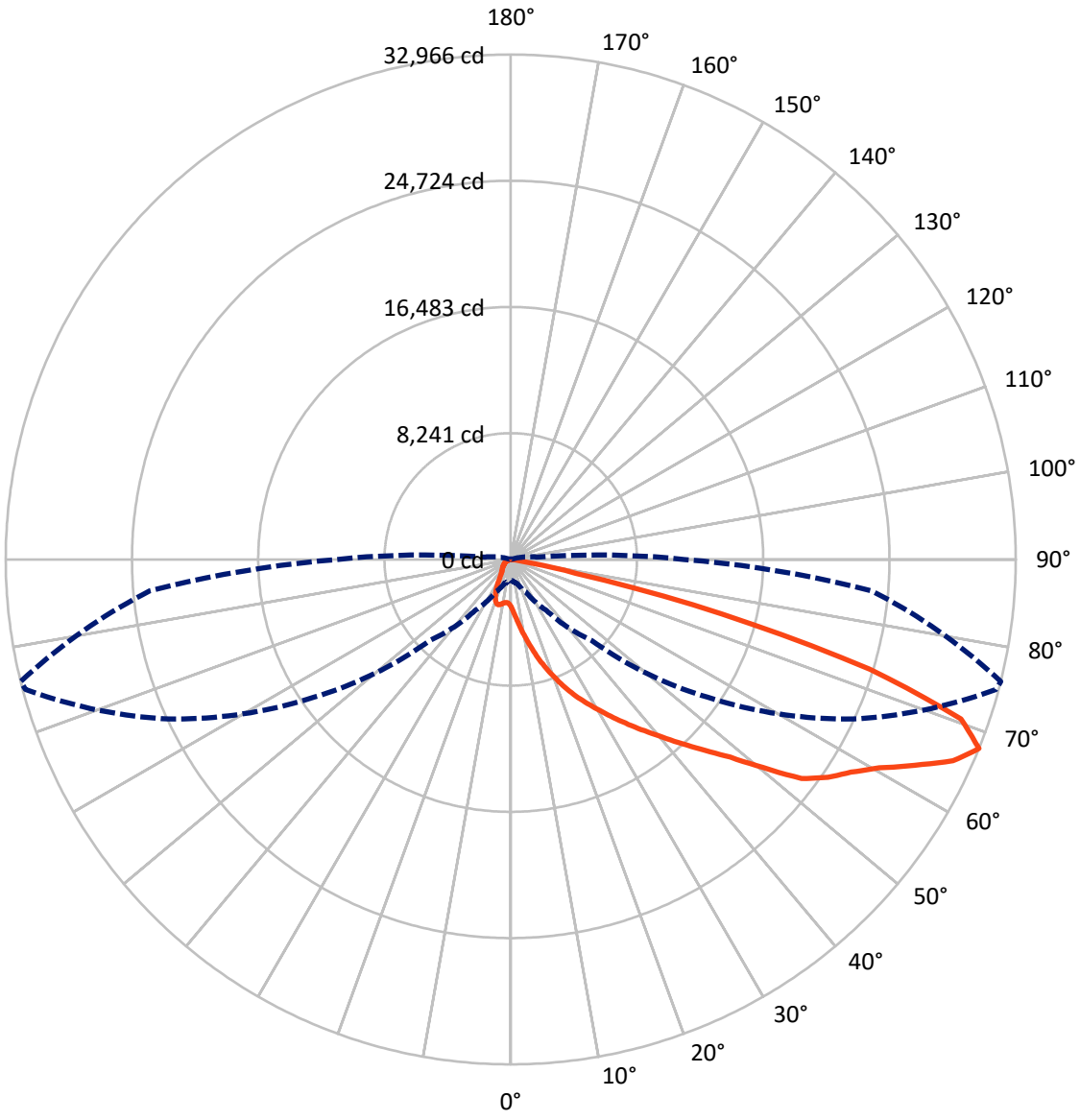
Luminous Intensity Polar Plot



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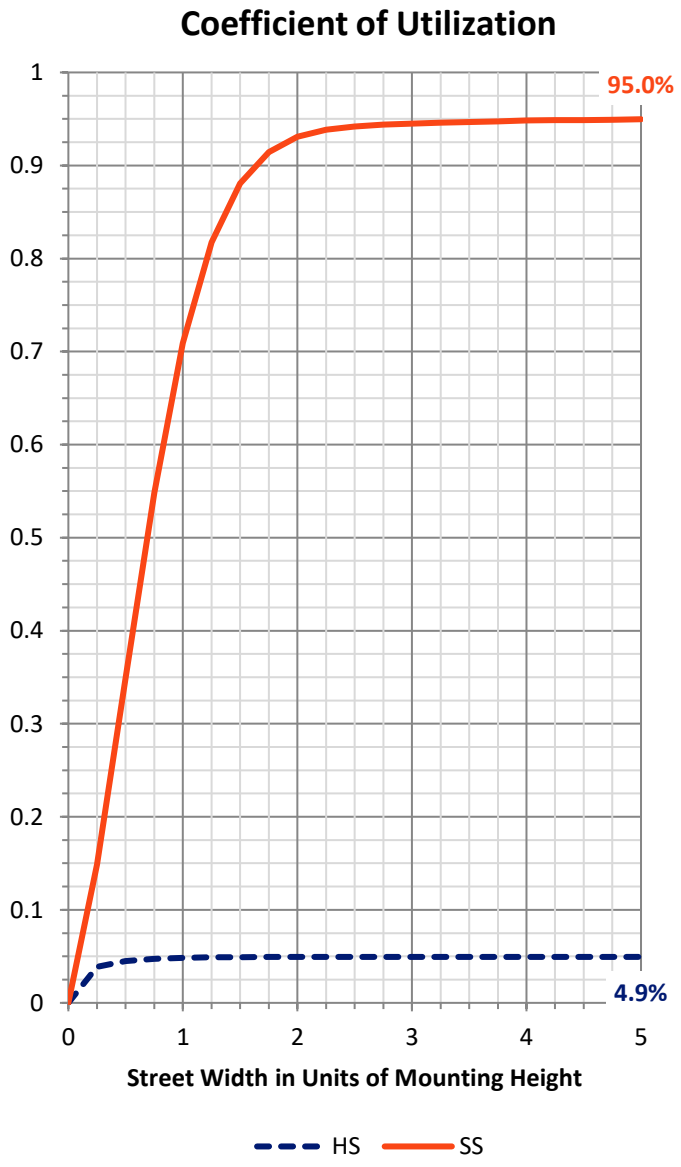
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1801.6	0.0	1801.6
	% Fixture	5.0	0.0	5.0
Street Side	Lumens	34479.4	0.0	34479.4
	% Fixture	95.0	0.0	95.0
Total	Lumens	36281.0	0.0	36281.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	382.7	1.1
10°-20°	1517.1	4.2
20°-30°	3086.8	8.5
30°-40°	5357.7	14.8
40°-50°	7569.7	20.9
50°-60°	8584.4	23.7
60°-70°	7119.9	19.6
70°-80°	2579.1	7.1
80°-90°	83.6	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°	36281.0	100.0
0°-180°	36281.0	100.0



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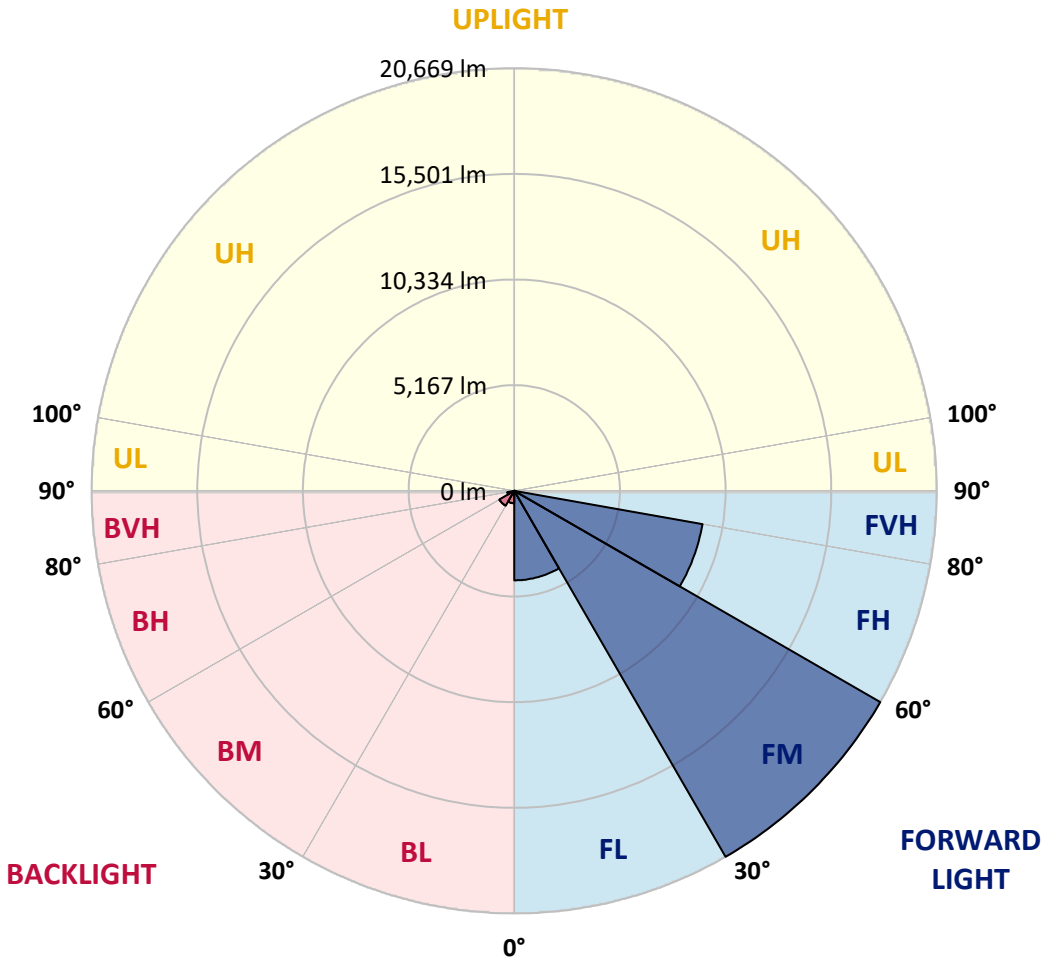
LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	4379.0	12.1			
FM	(30°-60°)	20668.6	57.0			
FH	(60°-80°)	9350.8	25.8			G4/12000
FVH	(80°-90°)	81.0	0.2			G1/100
BL	(0°-30°)	607.6	1.7	B2/1000		
BM	(30°-60°)	843.2	2.3	B1/1000		
BH	(60°-80°)	348.2	1.0	B1/500		G1/500
BVH	(80°-90°)	2.6	0.0			G0/10
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G4
Type II Medium



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Scaled Data Report

REPORT NUMBER: P321444
CATALOG NUMBER: GLEON-SA0B-830-U-T2R-HSS

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	76°	85°
0°	3077.7	3077.7	3077.7	3077.7	3077.7	3077.7	3077.7	3077.7	3077.7	*3077.7*	3077.7
2.5°	4594.3	4490.9	4514.8	4448.0	4327.2	4079.2	3867.8	3667.5	3433.8	*3425.8*	3233.5
5°	6195.1	6107.7	6096.5	5961.4	5742.0	5320.8	4910.6	4443.2	3921.8	*3883.7*	3475.1
7.5°	7648.1	7578.2	7552.7	7392.2	6983.6	6573.5	6039.3	5352.6	4537.0	*4467.1*	3801.0
10°	8764.1	8730.7	8737.0	8622.6	8272.9	7891.3	7190.3	6314.3	5234.9	*5126.8*	4192.1
12.5°	9609.8	9617.7	9675.0	9605.0	9409.5	9126.5	8377.8	7339.7	6007.5	*5859.7*	4638.8
15°	10231.4	10271.1	10376.0	10463.5	10449.2	10204.4	9517.6	8381.0	6827.8	*6664.1*	5136.4
17.5°	10633.6	10678.1	10830.7	11024.6	11202.7	11145.5	10617.7	9385.7	7657.6	*7468.5*	5668.9
20°	10986.5	11038.9	11202.7	11458.6	11790.9	11862.4	11515.9	10360.1	8485.9	*8255.4*	6218.9
22.5°	11751.1	11749.6	11849.7	11999.1	12315.5	12499.9	12280.5	11264.7	9304.6	*9064.5*	6780.1
25°	13134.2	13081.7	13046.8	12929.1	12999.1	13113.5	12991.1	12110.4	10128.0	*9884.8*	7349.2
27.5°	14777.9	14809.7	14526.8	14210.4	13965.6	13848.0	13647.7	12894.1	10919.7	*10652.7*	7905.6
30°	16512.3	16521.9	16188.0	15784.2	15245.3	14798.6	14452.1	13642.9	11733.7	*11442.7*	8446.1
32.5°	18076.6	18014.6	17683.9	17133.9	16453.5	15951.2	15231.0	14479.1	12595.3	*12313.9*	9047.0
35°	19316.6	19243.4	18841.2	18340.5	17634.7	17129.1	16262.7	15313.7	13501.4	*13226.4*	9649.5
37.5°	20222.7	20136.9	19723.5	19208.5	18599.6	18305.5	17459.8	16221.4	14490.2	*14194.5*	10283.8
40°	20537.5	20462.8	20203.6	19826.9	19337.2	19270.5	18730.0	17265.8	15566.4	*15251.7*	11002.4
42.5°	20349.9	20276.8	20184.6	20057.4	19853.9	19917.5	19928.6	18456.5	16761.9	*16451.9*	11795.7
45°	19605.9	19540.7	19636.1	19822.1	20074.9	20389.6	21022.3	19736.3	18097.3	*17766.6*	12712.9
47.5°	18510.6	18462.9	18726.8	19191.0	19930.2	20798.2	22022.3	21081.2	19596.4	*19289.5*	13857.5
50°	16952.7	16944.7	17472.5	18319.8	19456.5	20995.3	23055.6	22610.5	21678.9	*21356.2*	15448.8
52.5°	14526.8	14542.7	15580.8	16936.8	18625.0	20861.8	23720.1	24575.3	24101.6	*23766.2*	16827.1
55°	12216.9	12312.3	13048.3	15003.7	17350.1	20365.8	23949.0	25492.6	25438.5	*25120.6*	17593.3
57.5°	9954.8	10128.0	10837.1	12663.6	15488.5	19222.8	23823.4	25890.0	26433.7	*26190.5*	18604.4
60°	7503.4	7582.9	8400.0	10107.4	13099.2	17137.1	22912.5	26106.2	27794.5	*27626.0*	20071.7
62.5°	4773.9	4972.6	5697.5	7344.5	10199.6	14240.6	21376.8	26103.0	29497.1	*29589.3*	21965.0
65°	2514.9	2747.0	3131.7	4551.3	7009.0	11005.6	19067.0	25858.2	31586.0	*31714.7*	23445.1
67.5°	*1356.0*	*1422.8*	*1626.3*	*2362.3*	*4064.9*	*7455.7*	*15673.0*	*24650.1*	*32795.7*	*32965.8*	*23651.7*
70°	992.0	1028.5	1104.8	1306.7	2046.0	4330.4	11436.4	21911.0	31236.2	*31172.6*	21014.4
72.5°	761.5	818.7	875.9	957.0	1176.4	2311.4	7120.3	17157.7	24923.5	*24503.8*	15707.9
75°	600.9	610.4	691.5	764.7	882.3	1316.3	3161.9	9992.9	15211.9	*14218.4*	8145.7
77.5°	480.1	486.5	534.1	597.7	709.0	864.8	979.3	3931.4	4856.6	*4333.6*	1767.8
80°	284.6	300.5	397.4	461.0	588.2	545.3	357.7	853.7	758.3	*686.8*	297.3
82.5°	159.0	171.7	224.1	364.0	410.1	260.7	178.0	230.5	178.0	*173.3*	84.3
85°	0.0	7.9	144.7	225.7	166.9	57.2	74.7	76.3	52.5	*49.3*	33.4
87.5°	0.0	0.0	44.5	42.9	6.4	9.5	17.5	25.4	20.7	*20.7*	17.5
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: P321444
CATALOG NUMBER: GLEON-SA0B-830-U-T2R-HSS

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	3077.7	3077.7	3077.7	3077.7	3077.7	3077.7	3077.7	3077.7	3077.7	3077.7	3077.7
2.5°	3138.1	3052.2	2890.1	2731.1	2597.6	2487.9	2389.3	2349.6	2317.8	2313.0	2287.6
5°	3278.0	3104.7	2794.7	2540.4	2370.3	2249.4	2146.1	2082.5	2033.2	2014.2	1996.7
7.5°	3489.4	3227.1	2782.0	2489.5	2286.0	2082.5	1891.8	1685.1	1556.3	1507.0	1478.4
10°	3746.9	3389.3	2829.7	2475.2	2119.1	1689.9	1373.5	1111.2	1004.7	969.7	960.2
12.5°	4047.4	3591.2	2912.3	2386.2	1763.0	1200.2	947.5	858.4	834.6	823.5	823.5
15°	4392.4	3812.1	2971.2	2128.6	1303.6	907.7	820.3	779.0	753.5	739.2	740.8
17.5°	4745.3	4028.3	2942.6	1755.0	961.8	807.6	742.4	697.9	662.9	648.6	645.4
20°	5101.4	4228.6	2783.6	1306.7	813.9	732.9	659.7	610.4	575.5	561.2	558.0
22.5°	5470.2	4398.7	2503.8	958.6	731.3	650.2	578.7	529.4	496.0	483.3	476.9
25°	5829.5	4537.0	2112.7	775.8	653.4	572.3	503.9	457.8	427.6	414.9	413.3
27.5°	6164.9	4624.5	1659.7	685.2	585.0	502.3	440.3	399.0	373.6	364.0	362.5
30°	6466.9	4632.4	1227.3	618.4	524.6	441.9	384.7	348.1	325.9	316.4	313.2
32.5°	6772.2	4565.6	893.4	558.0	469.0	389.5	333.8	305.2	289.3	281.4	281.4
35°	7059.9	4411.4	696.3	505.5	414.9	338.6	294.1	273.4	263.9	255.9	255.9
37.5°	7341.3	4190.5	591.4	459.4	364.0	295.7	259.1	246.4	238.5	230.5	230.5
40°	7627.4	3912.3	537.3	416.5	322.7	262.3	230.5	219.4	211.4	205.1	203.5
42.5°	7978.8	3591.2	502.3	376.8	286.1	232.1	203.5	190.8	184.4	178.0	174.9
45°	8385.7	3314.5	473.7	337.0	255.9	206.7	176.5	163.7	154.2	146.3	144.7
47.5°	8972.3	3114.2	435.6	294.1	227.3	179.6	152.6	138.3	124.0	116.0	114.5
50°	9721.1	2948.9	386.3	255.9	198.7	152.6	127.2	109.7	97.0	89.0	89.0
52.5°	10093.1	2732.7	341.8	222.6	166.9	128.8	103.3	82.7	76.3	68.4	68.4
55°	10242.5	2567.4	297.3	189.2	138.3	106.5	81.1	63.6	58.8	54.1	52.5
57.5°	10662.2	2519.7	259.1	160.6	114.5	84.3	62.0	47.7	44.5	38.2	38.2
60°	11337.8	2543.5	224.1	136.7	92.2	65.2	46.1	36.6	33.4	27.0	27.0
62.5°	12067.5	2513.3	189.2	117.6	71.5	47.7	31.8	27.0	27.0	15.9	14.3
65°	12207.4	2238.3	162.2	97.0	55.6	35.0	20.7	17.5	23.8	3.2	0.0
67.5°	*11329.9*	*1736.0*	*139.9*	*74.7*	*41.3*	*27.0*	*15.9*	*7.9*	*20.7*	*0.0*	*0.0*
70°	9059.8	1103.3	112.9	54.1	31.8	22.3	12.7	3.2	15.9	0.0	0.0
72.5°	6406.5	640.7	89.0	38.2	27.0	17.5	9.5	0.0	9.5	0.0	0.0
75°	3239.8	341.8	55.6	28.6	20.7	12.7	6.4	0.0	1.6	0.0	0.0
77.5°	701.1	159.0	35.0	20.7	14.3	7.9	3.2	0.0	0.0	0.0	0.0
80°	152.6	69.9	22.3	12.7	7.9	4.8	0.0	0.0	0.0	0.0	0.0
82.5°	55.6	36.6	11.1	6.4	3.2	0.0	0.0	0.0	0.0	0.0	0.0
85°	30.2	19.1	6.4	3.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	15.9	6.4	1.6	1.6	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

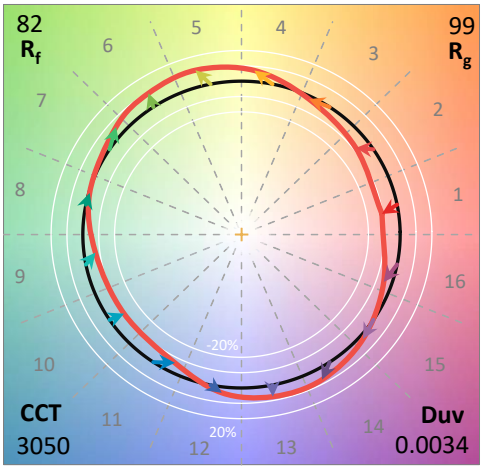
Test Information

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

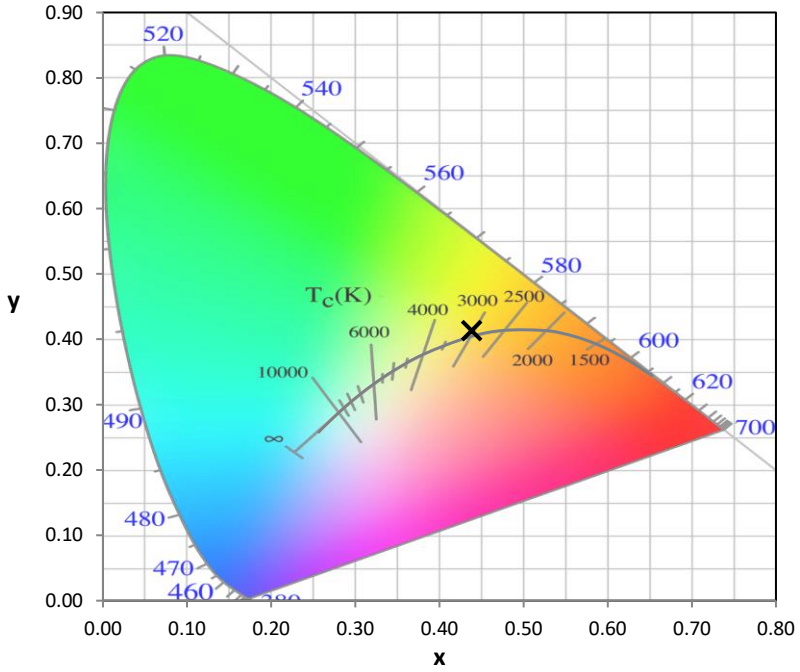
Stabilization Time:	20M
Operation Time:	1H 20M
Sphere Temperature (°C):	24.2

REPORT NUMBER: SP1-2408-195-9

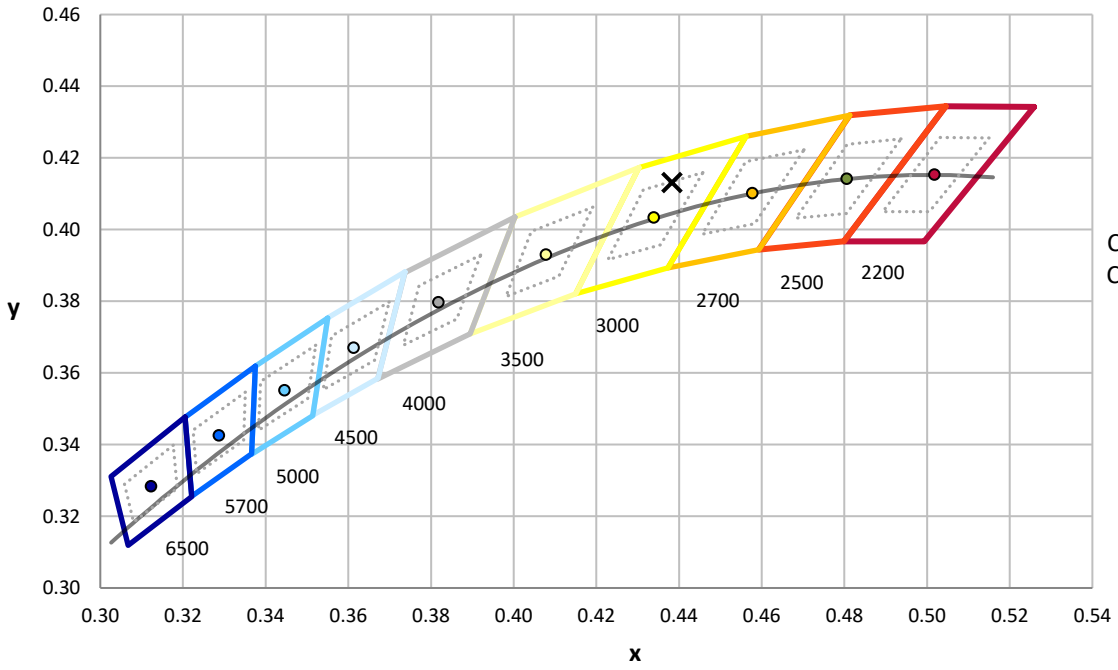
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

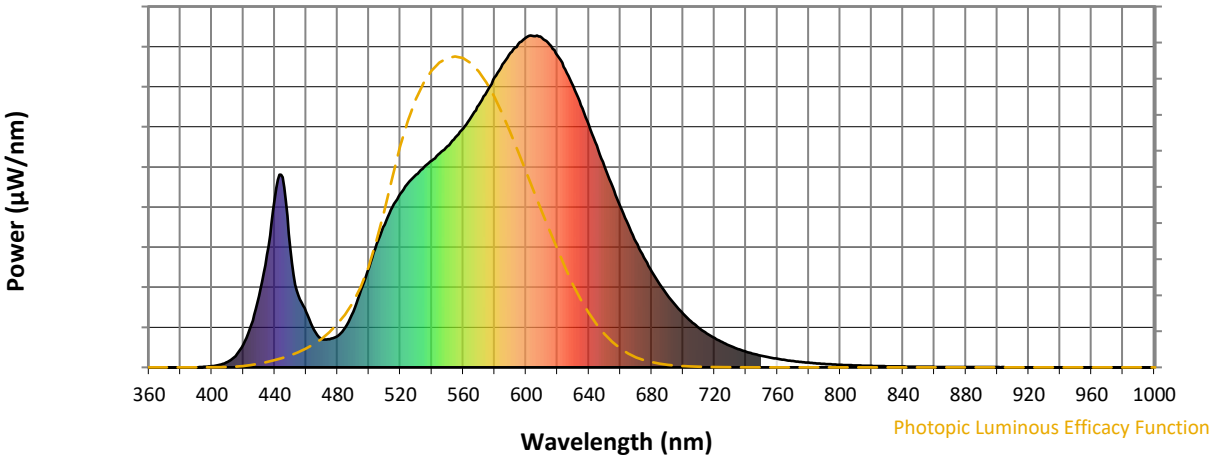


CCT = 3050K
CIE x = 0.4383
CIE y = 0.4131
Duv = 0.0034

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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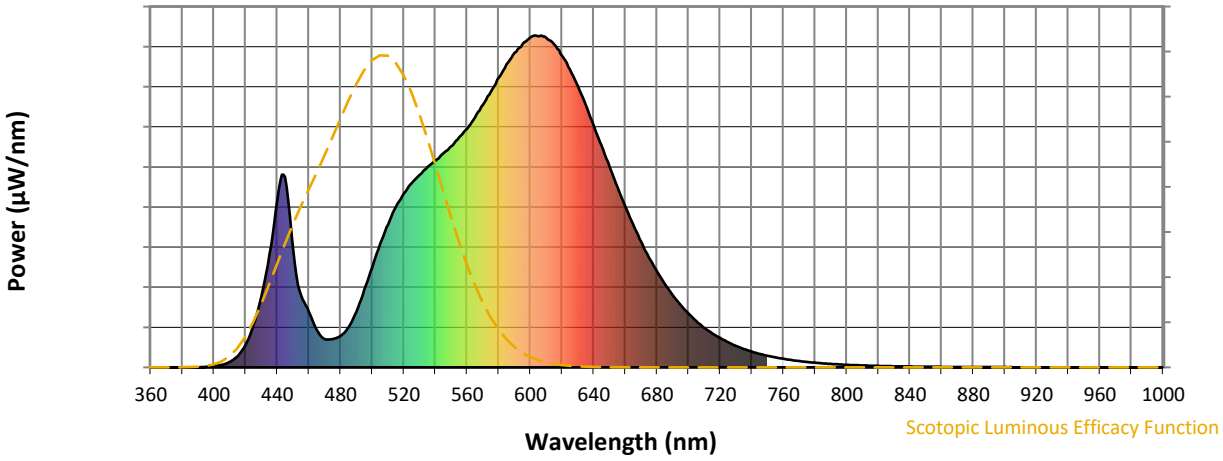
Scotopic Flux vs. Wavelength



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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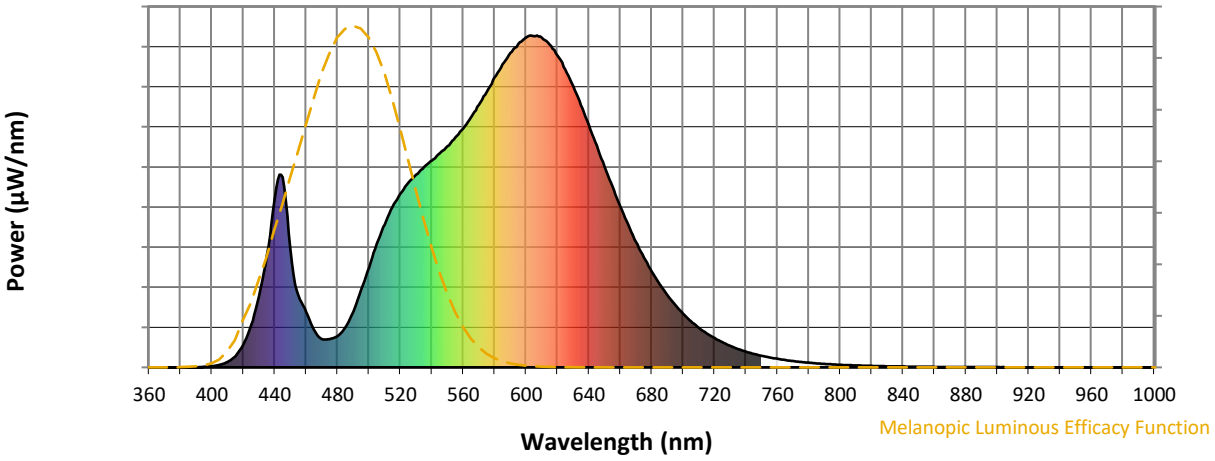
Melanopic Flux vs. Wavelength



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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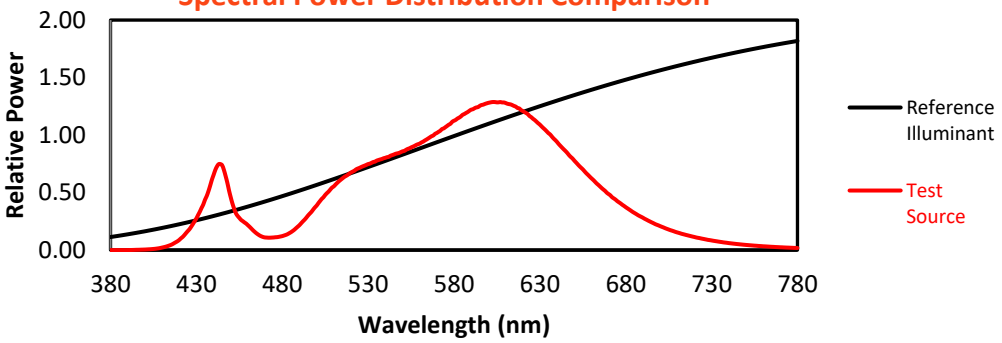
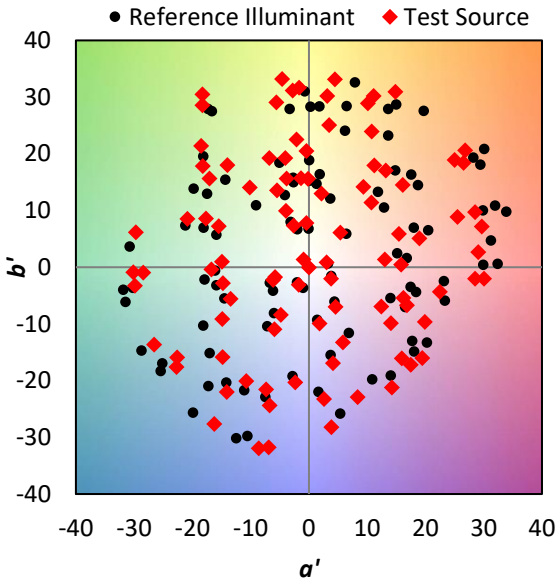
Summary

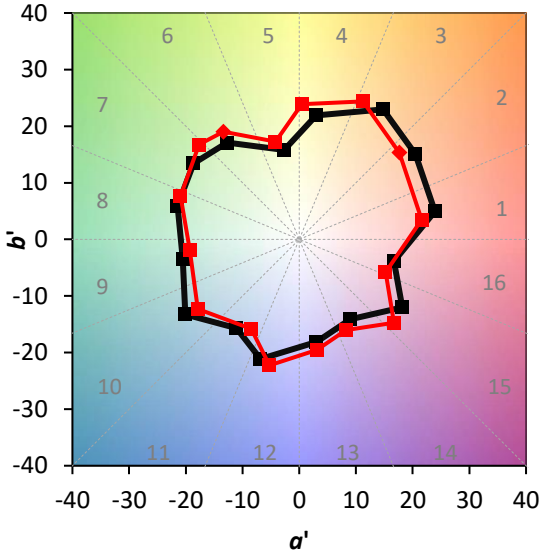
R_f = 81.5
R_g = 99.2
CIE R_a = 81.0
R_9 = 7.1

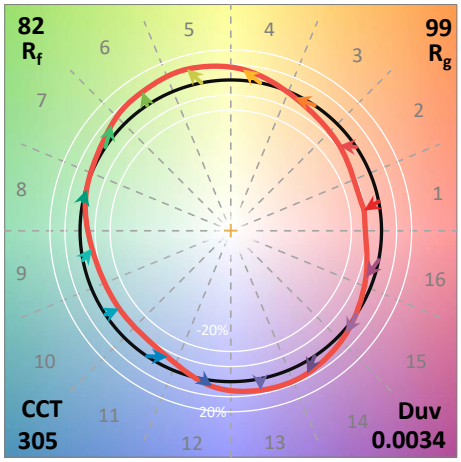
Spectral Power Distribution Comparison

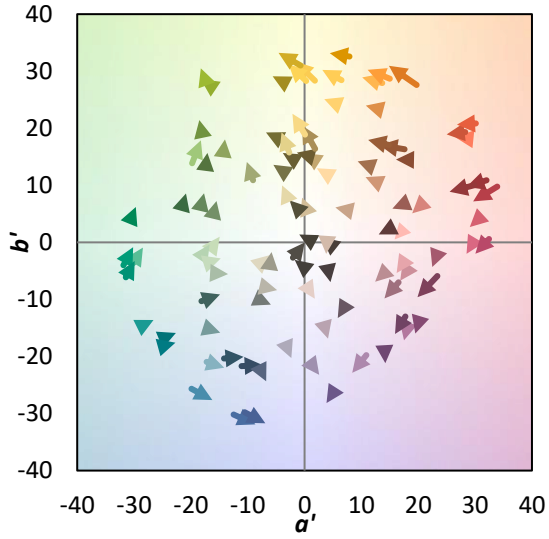


Color Vector Graphics









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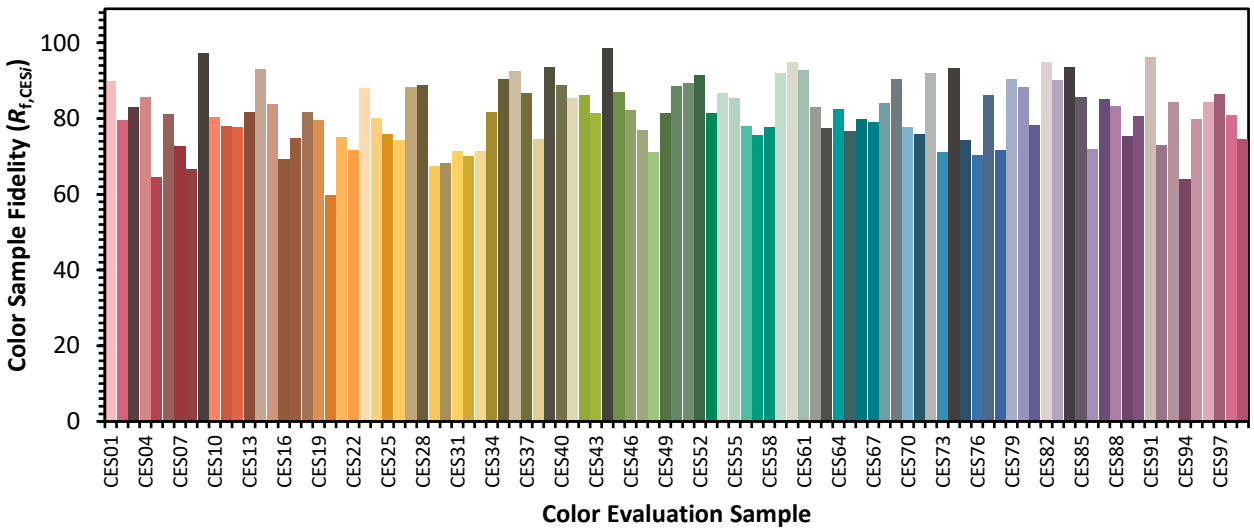
Individual Sample Fidelity Index ($R_{f,i}$)

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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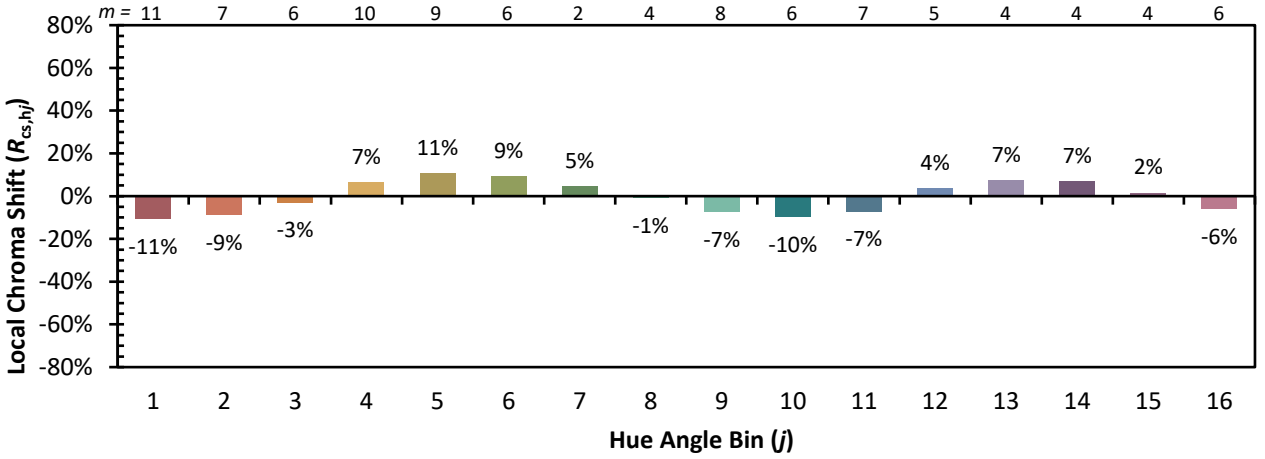
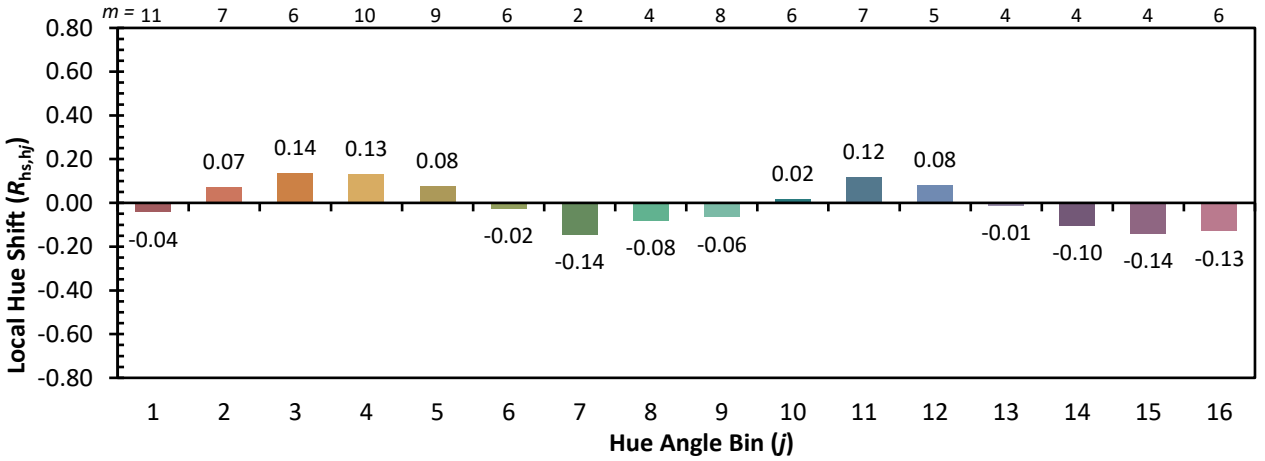
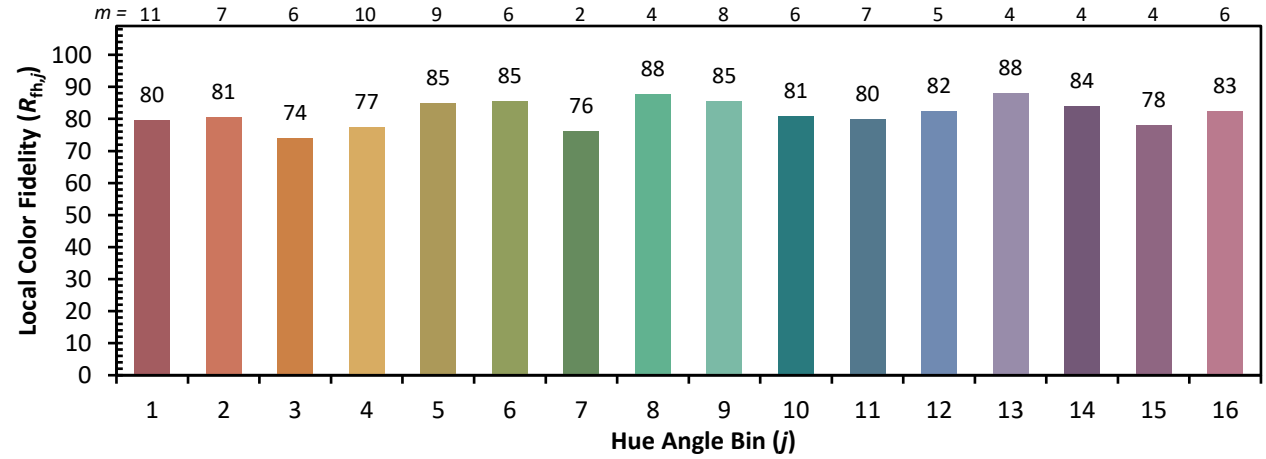
Color Rendition by Hue-Angle Bin







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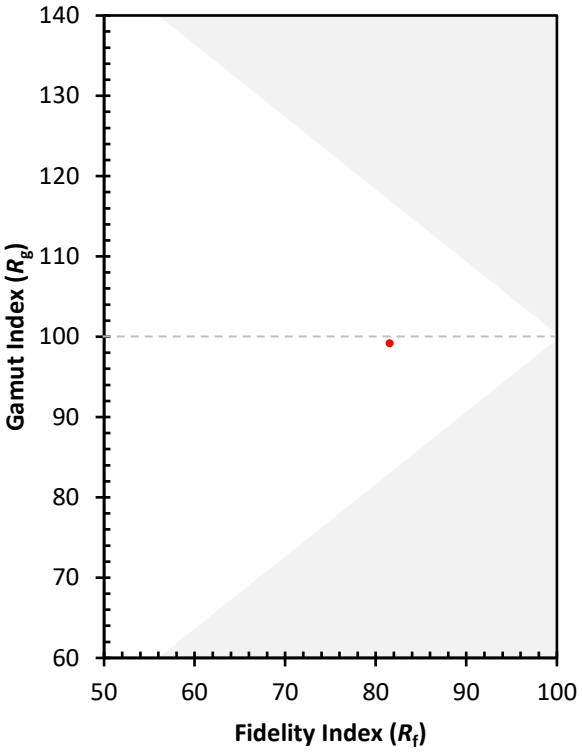
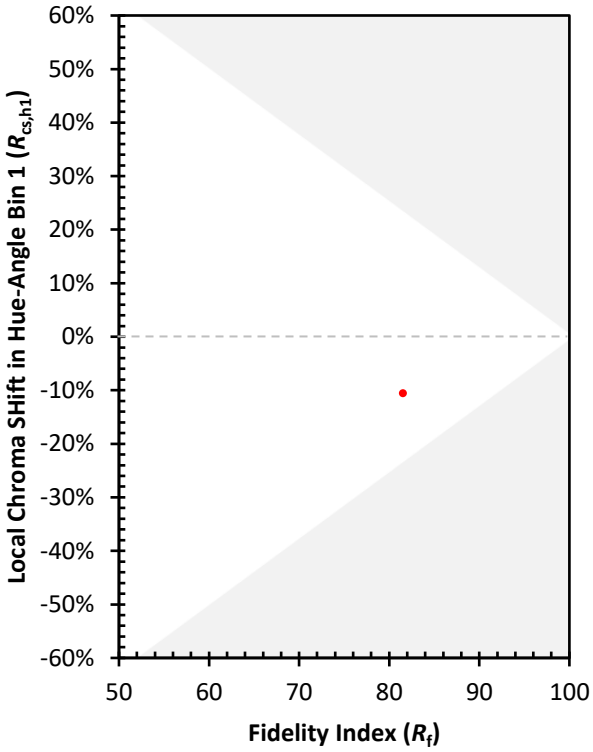
Measure Comparisons





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