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: P321443

Luminaire Tested: **GLEON-SA9B-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:	P321443
	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-SA9B-830-U-T2R-HSS
Description:	GALLEON AREA AND ROADWAY LUMINAIRE
	(9) 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:	32768 lumens
Efficiency:	N/A
Efficacy:	87.6 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):	374
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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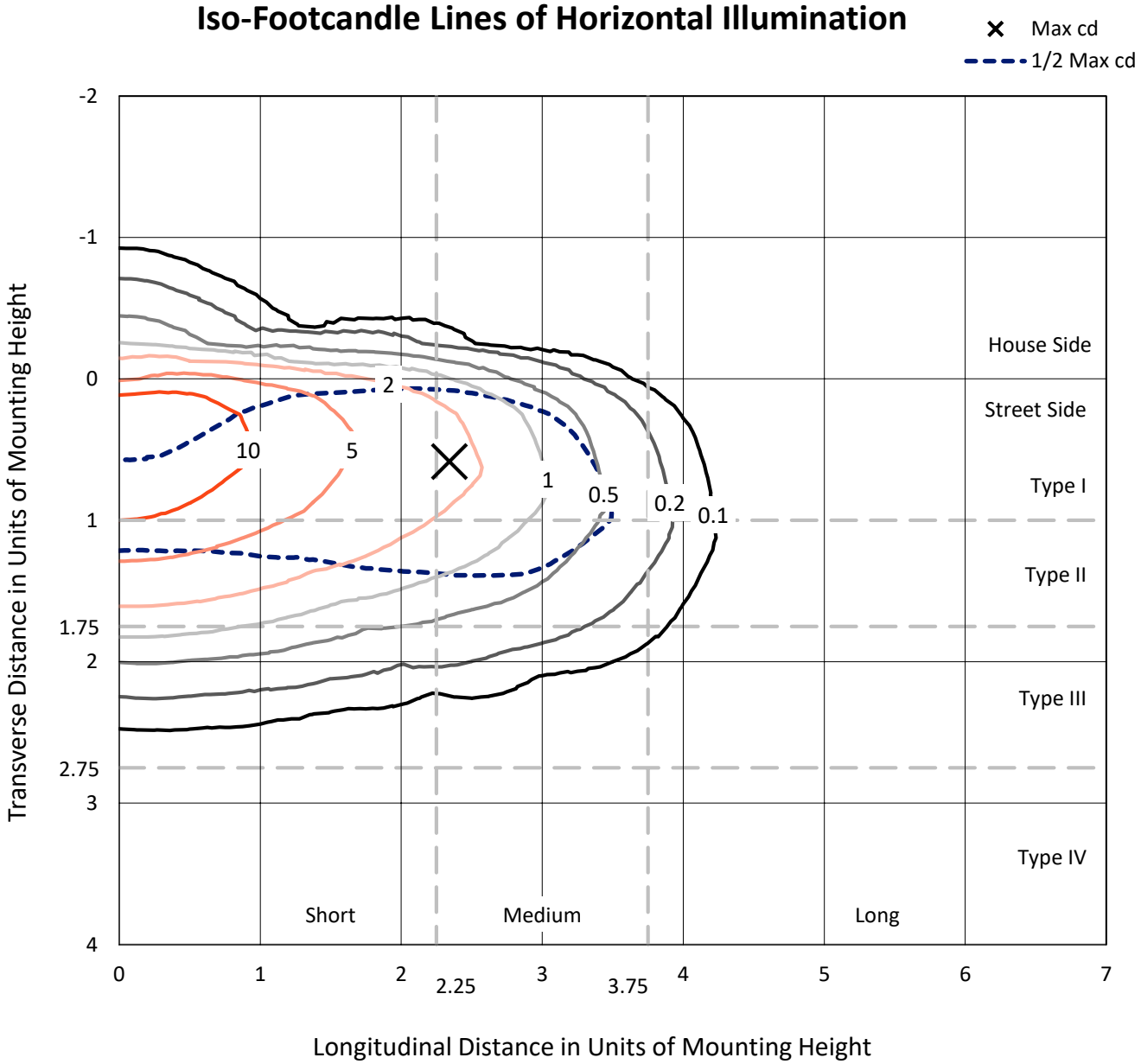
Scaled Data Report

REPORT NUMBER: P321443
CATALOG NUMBER: GLEON-SA9B-830-U-T2R-HSS

Iso-Footcandle Lines of Horizontal Illumination



Based on 25 foot mounting height. Maximum calculated value = 15.7 fc
Type II - Medium - N/A

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REPORT NUMBER: P321443
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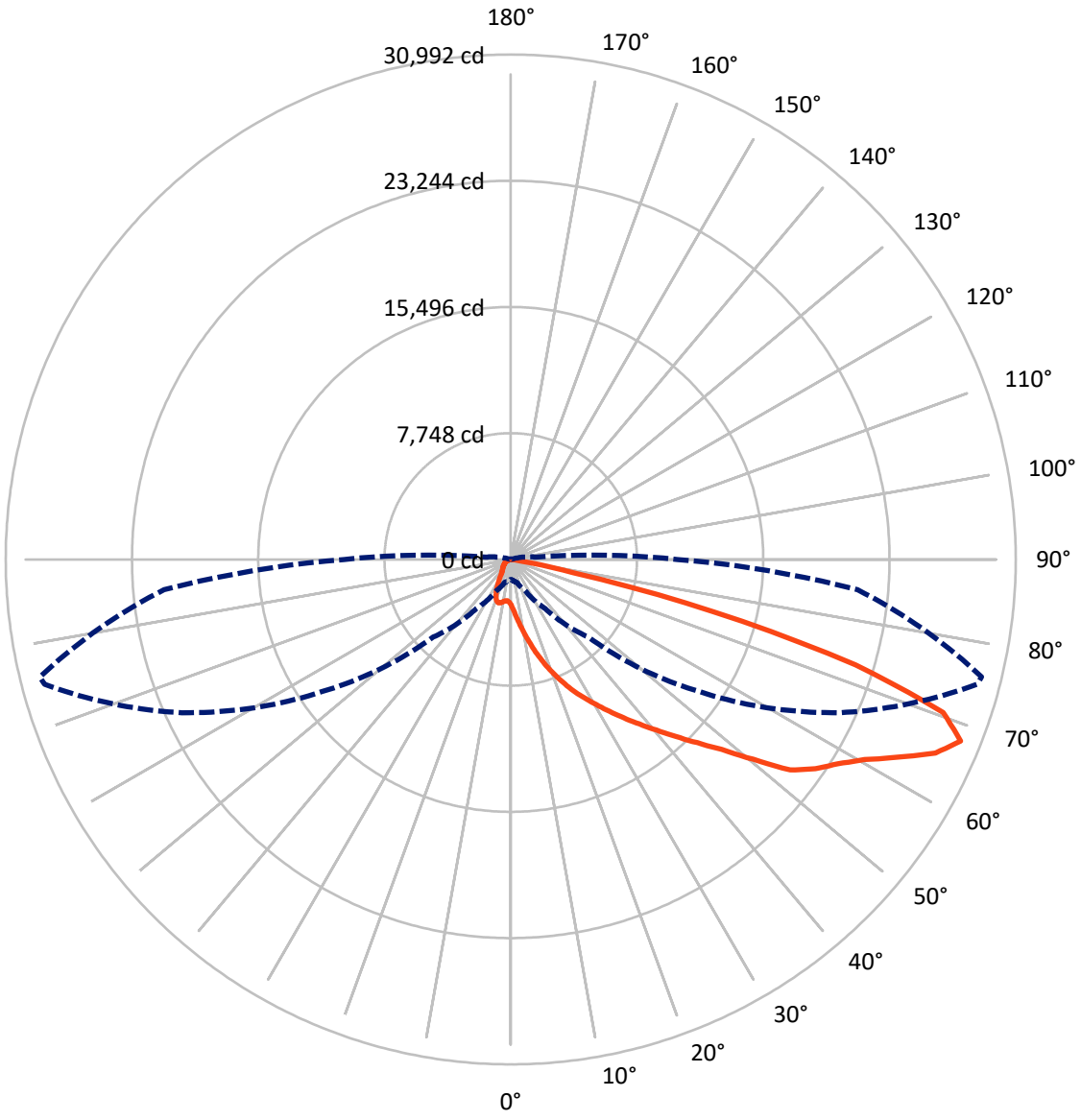
Luminous Intensity Polar Plot



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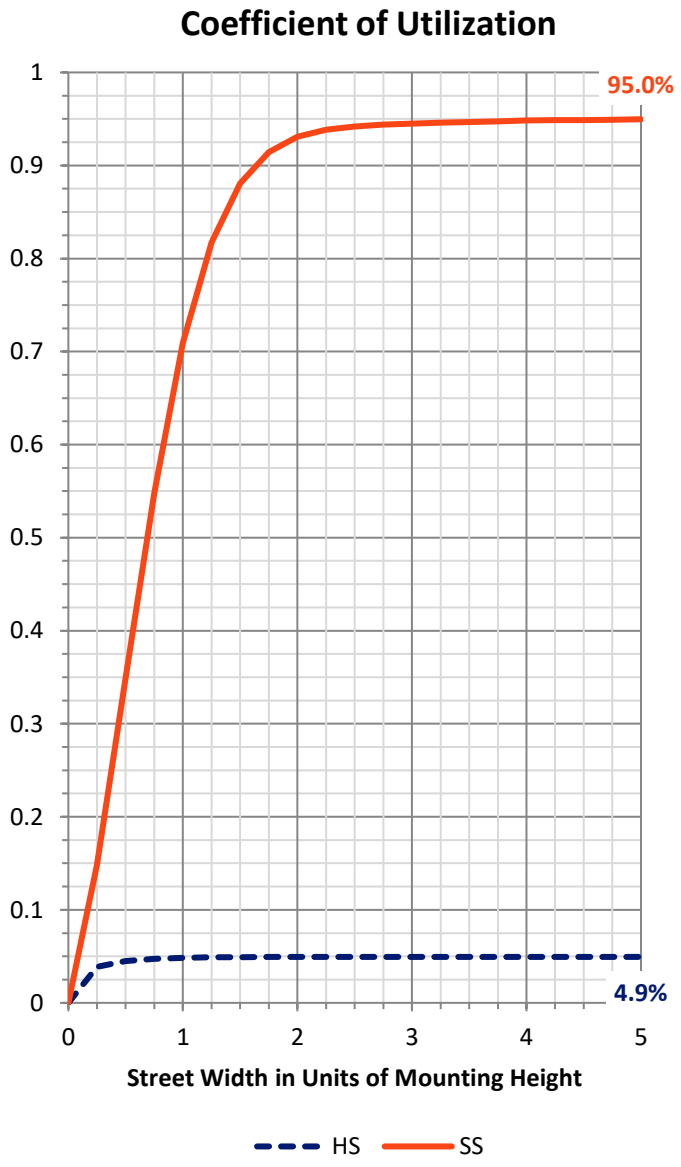
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1627.2	0.0	1627.2
	% Fixture	5.0	0.0	5.0
Street Side	Lumens	31140.8	0.0	31140.8
	% Fixture	95.0	0.0	95.0
Total	Lumens	32768.0	0.0	32768.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	345.6	1.1
10°-20°	1370.2	4.2
20°-30°	2787.9	8.5
30°-40°	4838.9	14.8
40°-50°	6836.7	20.9
50°-60°	7753.2	23.7
60°-70°	6430.5	19.6
70°-80°	2329.3	7.1
80°-90°	75.5	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°	32768.0	100.0
0°-180°	32768.0	100.0



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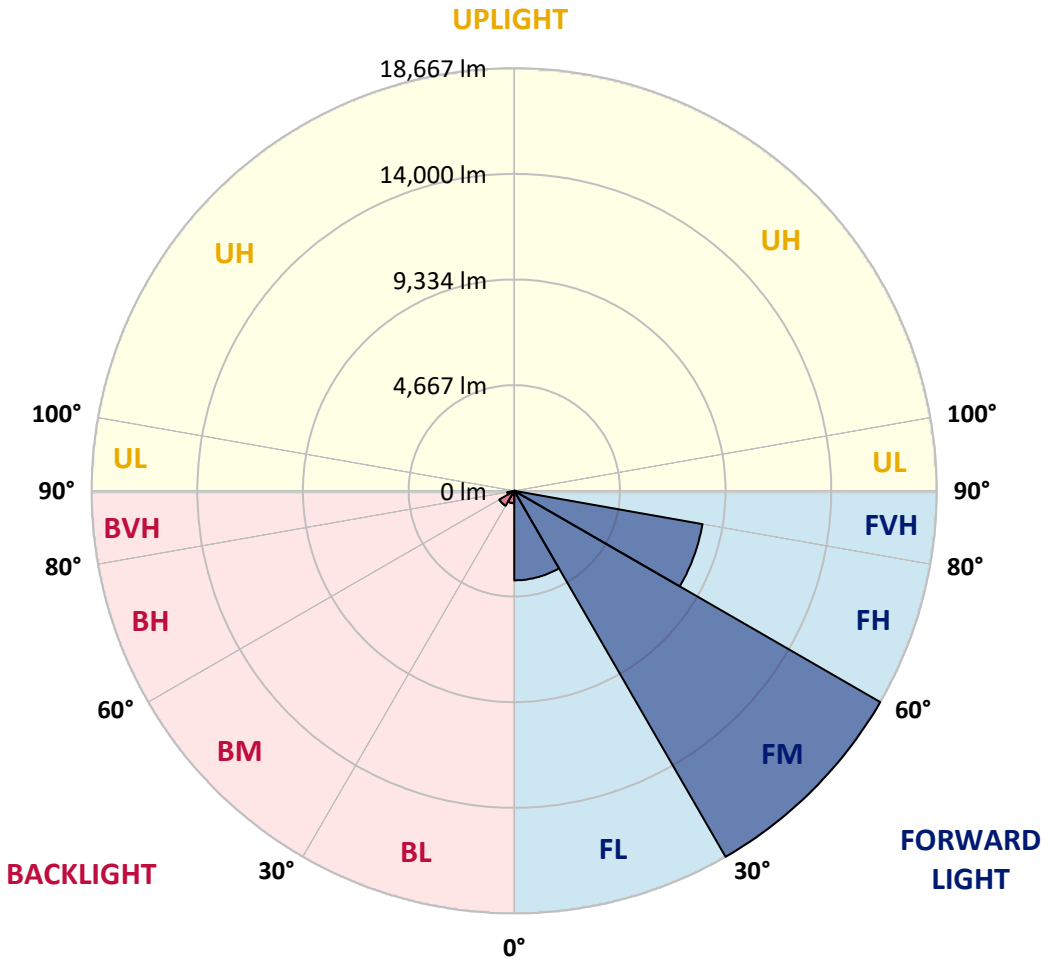
LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	3955.0	12.1			
FM	(30°-60°)	18667.3	57.0			
FH	(60°-80°)	8445.4	25.8			G4/12000
FVH	(80°-90°)	73.2	0.2			G1/100
BL	(0°-30°)	548.8	1.7	B2/1000		
BM	(30°-60°)	761.6	2.3	B1/1000		
BH	(60°-80°)	314.5	1.0	B1/500		G1/500
BVH	(80°-90°)	2.4	0.0			G0/10
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G4
Type II Medium



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Scaled Data Report

REPORT NUMBER: P321443
CATALOG NUMBER: GLEON-SA9B-830-U-T2R-HSS

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	76°	85°
0°	2779.7	2779.7	2779.7	2779.7	2779.7	2779.7	2779.7	2779.7	2779.7	*2779.7*	2779.7
2.5°	4149.4	4056.1	4077.6	4017.3	3908.2	3684.2	3493.3	3312.4	3101.3	*3094.1*	2920.4
5°	5595.2	5516.3	5506.2	5384.2	5186.0	4805.6	4435.1	4013.0	3542.1	*3507.6*	3138.6
7.5°	6907.6	6844.4	6821.4	6676.4	6307.4	5937.0	5454.5	4834.3	4097.7	*4034.5*	3433.0
10°	7915.5	7885.3	7891.1	7787.7	7471.8	7127.2	6494.0	5702.9	4728.0	*4630.4*	3786.2
12.5°	8679.3	8686.5	8738.2	8675.0	8498.4	8242.8	7566.6	6629.0	5425.8	*5292.3*	4189.6
15°	9240.7	9276.6	9371.4	9450.3	9437.4	9216.3	8596.0	7569.4	6166.7	*6018.8*	4639.0
17.5°	9604.0	9644.2	9782.0	9957.2	10118.0	10066.3	9589.6	8476.9	6916.2	*6745.3*	5120.0
20°	9922.7	9970.1	10118.0	10349.1	10649.2	10713.8	10400.8	9357.0	7664.2	*7456.0*	5616.8
22.5°	10613.3	10611.9	10702.3	10837.3	11123.0	11289.6	11091.4	10174.0	8403.6	*8186.8*	6123.6
25°	11862.4	11815.1	11783.5	11677.2	11740.4	11843.8	11733.2	10937.8	9147.4	*8927.7*	6637.6
27.5°	13347.0	13375.8	13120.2	12834.5	12613.4	12507.1	12326.2	11645.6	9862.4	*9621.2*	7140.1
30°	14913.5	14922.1	14620.6	14255.9	13769.2	13365.7	13052.7	12321.9	10597.5	*10334.8*	7628.3
32.5°	16326.3	16270.3	15971.6	15474.9	14860.4	14406.6	13756.2	13077.1	11375.7	*11121.6*	8171.0
35°	17446.2	17380.2	17016.9	16564.6	15927.1	15470.6	14688.1	13830.9	12194.1	*11945.7*	8715.2
37.5°	18264.6	18187.1	17813.8	17348.6	16798.7	16533.0	15769.2	14650.7	13087.2	*12820.1*	9288.1
40°	18548.9	18481.4	18247.4	17907.1	17464.9	17404.6	16916.4	15594.0	14059.2	*13774.9*	9937.1
42.5°	18379.5	18313.4	18230.1	18115.3	17931.5	17988.9	17999.0	16669.4	15138.9	*14858.9*	10653.5
45°	17707.5	17648.6	17734.8	17902.8	18131.1	18415.3	18986.8	17825.2	16345.0	*16046.3*	11482.0
47.5°	16718.3	16675.2	16913.5	17332.8	18000.4	18784.3	19889.9	19039.9	17698.9	*17421.8*	12515.7
50°	15311.2	15304.0	15780.7	16546.0	17572.5	18962.4	20823.2	20421.1	19579.8	*19288.3*	13952.9
52.5°	13120.2	13134.5	14072.1	15296.8	16821.6	18841.8	21423.3	22195.8	21767.9	*21465.0*	15197.8
55°	11034.0	11120.1	11784.9	13550.9	15670.1	18393.8	21630.1	23024.2	22975.4	*22688.2*	15889.8
57.5°	8990.9	9147.4	9787.7	11437.4	13988.8	17361.5	21516.6	23383.2	23874.2	*23654.5*	16803.0
60°	6776.9	6848.7	7586.7	9128.7	11830.9	15477.7	20693.9	23578.4	25103.2	*24951.0*	18128.2
62.5°	4311.7	4491.1	5145.8	6633.3	9212.0	12861.7	19307.0	23575.6	26640.9	*26724.2*	19838.2
65°	2271.4	2481.0	2828.5	4110.6	6330.4	9939.9	17220.8	23354.4	28527.6	*28643.9*	21174.9
67.5°	*1224.7*	*1285.0*	*1468.8*	*2133.6*	*3671.3*	*6733.8*	*14155.4*	*22263.2*	*29620.2*	*29773.8*	*21361.6*
70°	895.9	929.0	997.9	1180.2	1847.9	3911.1	10329.0	19789.4	28211.7	*28154.3*	18979.6
72.5°	687.7	739.4	791.1	864.3	1062.5	2087.6	6430.9	15496.4	22510.2	*22131.2*	14187.0
75°	542.7	551.3	624.6	690.6	796.9	1188.8	2855.8	9025.3	13739.0	*12841.6*	7357.0
77.5°	433.6	439.3	482.4	539.9	640.4	781.1	884.4	3550.7	4386.3	*3913.9*	1596.6
80°	257.0	271.4	358.9	416.4	531.2	492.5	323.1	771.0	684.9	*620.3*	268.5
82.5°	143.6	155.1	202.4	328.8	370.4	235.5	160.8	208.2	160.8	*156.5*	76.1
85°	0.0	7.2	130.7	203.9	150.8	51.7	67.5	68.9	47.4	*44.5*	30.2
87.5°	0.0	0.0	40.2	38.8	5.7	8.6	15.8	23.0	18.7	*18.7*	15.8
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: P321443
CATALOG NUMBER: GLEON-SA9B-830-U-T2R-HSS

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	2779.7	2779.7	2779.7	2779.7	2779.7	2779.7	2779.7	2779.7	2779.7	2779.7	2779.7
2.5°	2834.2	2756.7	2610.3	2466.7	2346.1	2247.0	2158.0	2122.1	2093.4	2089.1	2066.1
5°	2960.6	2804.1	2524.1	2294.4	2140.8	2031.6	1938.3	1880.9	1836.4	1819.1	1803.3
7.5°	3151.5	2914.6	2512.6	2248.4	2064.7	1880.9	1708.6	1521.9	1405.6	1361.1	1335.3
10°	3384.1	3061.1	2555.7	2235.5	1913.9	1526.2	1240.5	1003.6	907.4	875.8	867.2
12.5°	3655.5	3243.4	2630.4	2155.1	1592.3	1084.0	855.7	775.3	753.8	743.7	743.7
15°	3967.1	3443.0	2683.5	1922.5	1177.3	819.8	740.9	703.5	680.6	667.6	669.1
17.5°	4285.8	3638.3	2657.6	1585.1	868.6	729.4	670.5	630.3	598.7	585.8	582.9
20°	4607.4	3819.2	2514.1	1180.2	735.1	661.9	595.8	551.3	519.8	506.8	504.0
22.5°	4940.5	3972.8	2261.4	865.8	660.5	587.2	522.6	478.1	448.0	436.5	430.7
25°	5265.0	4097.7	1908.2	700.7	590.1	516.9	455.1	413.5	386.2	374.7	373.3
27.5°	5568.0	4176.7	1499.0	618.8	528.4	453.7	397.7	360.4	337.4	328.8	327.4
30°	5840.8	4183.9	1108.4	558.5	473.8	399.1	347.5	314.4	294.3	285.7	282.8
32.5°	6116.4	4123.6	806.9	504.0	423.6	351.8	301.5	275.7	261.3	254.1	254.1
35°	6376.3	3984.3	628.9	456.6	374.7	305.8	265.6	247.0	238.3	231.2	231.2
37.5°	6630.4	3784.7	534.1	414.9	328.8	267.1	234.0	222.5	215.4	208.2	208.2
40°	6888.9	3533.5	485.3	376.2	291.5	236.9	208.2	198.1	191.0	185.2	183.8
42.5°	7206.2	3243.4	453.7	340.3	258.4	209.6	183.8	172.3	166.6	160.8	157.9
45°	7573.8	2993.6	427.9	304.4	231.2	186.7	159.4	147.9	139.3	132.1	130.7
47.5°	8103.6	2812.7	393.4	265.6	205.3	162.2	137.8	124.9	112.0	104.8	103.4
50°	8779.8	2663.4	348.9	231.2	179.5	137.8	114.9	99.1	87.6	80.4	80.4
52.5°	9115.8	2468.1	308.7	201.0	150.8	116.3	93.3	74.7	68.9	61.7	61.7
55°	9250.7	2318.8	268.5	170.9	124.9	96.2	73.2	57.4	53.1	48.8	47.4
57.5°	9629.8	2275.7	234.0	145.0	103.4	76.1	56.0	43.1	40.2	34.5	34.5
60°	10240.0	2297.3	202.4	123.5	83.3	58.9	41.6	33.0	30.2	24.4	24.4
62.5°	10899.0	2270.0	170.9	106.2	64.6	43.1	28.7	24.4	24.4	14.4	12.9
65°	11025.4	2021.6	146.4	87.6	50.3	31.6	18.7	15.8	21.5	2.9	0.0
67.5°	*10232.8*	*1567.9*	*126.3*	*67.5*	*37.3*	*24.4*	*14.4*	*7.2*	*18.7*	*0.0*	*0.0*
70°	8182.5	996.4	101.9	48.8	28.7	20.1	11.5	2.9	14.4	0.0	0.0
72.5°	5786.2	578.6	80.4	34.5	24.4	15.8	8.6	0.0	8.6	0.0	0.0
75°	2926.1	308.7	50.3	25.8	18.7	11.5	5.7	0.0	1.4	0.0	0.0
77.5°	633.2	143.6	31.6	18.7	12.9	7.2	2.9	0.0	0.0	0.0	0.0
80°	137.8	63.2	20.1	11.5	7.2	4.3	0.0	0.0	0.0	0.0	0.0
82.5°	50.3	33.0	10.1	5.7	2.9	0.0	0.0	0.0	0.0	0.0	0.0
85°	27.3	17.2	5.7	2.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	14.4	5.7	1.4	1.4	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

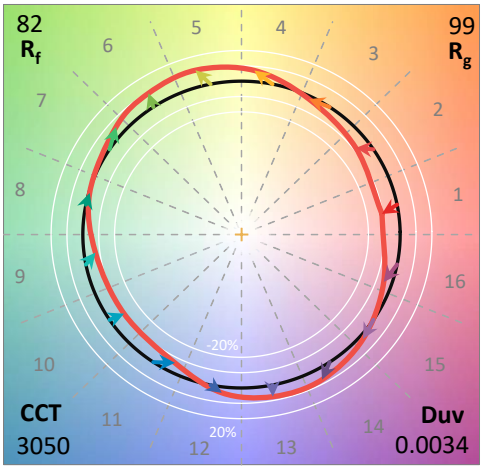
Test Information

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

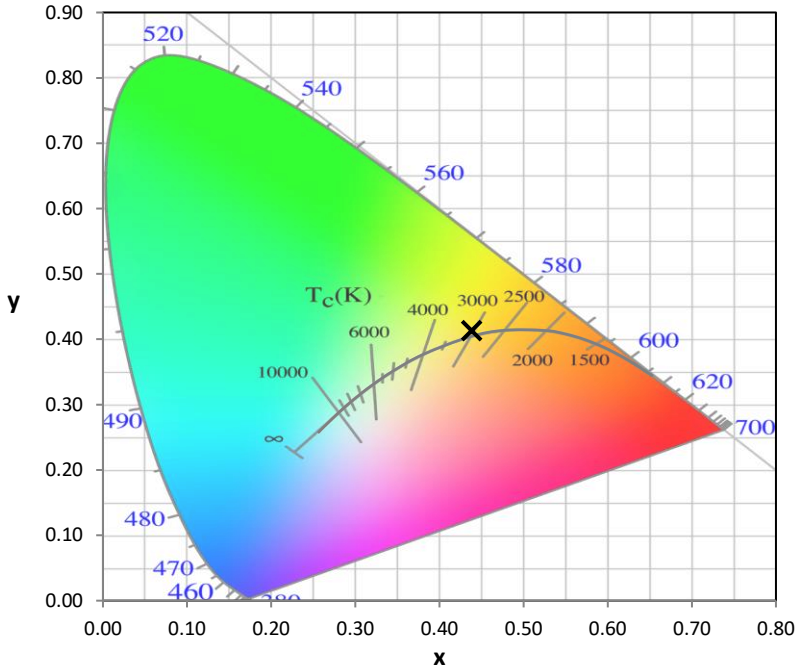
Stabilization Time:	20M
Operation Time:	1H 20M
Sphere Temperature (°C):	24.2

REPORT NUMBER: SP1-2408-195-9

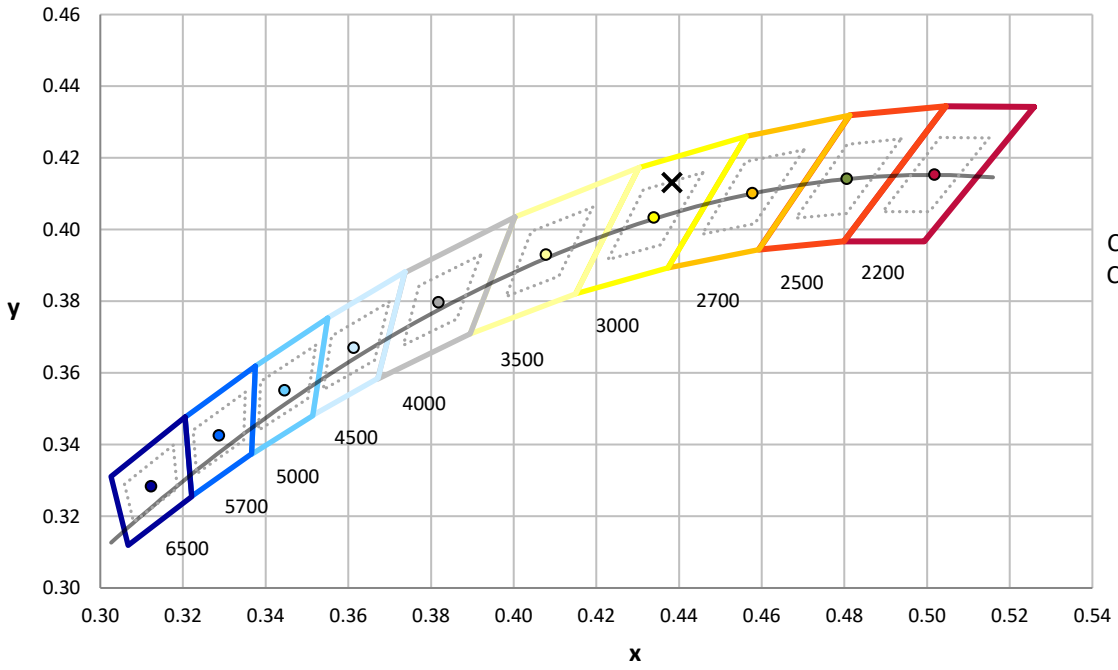
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

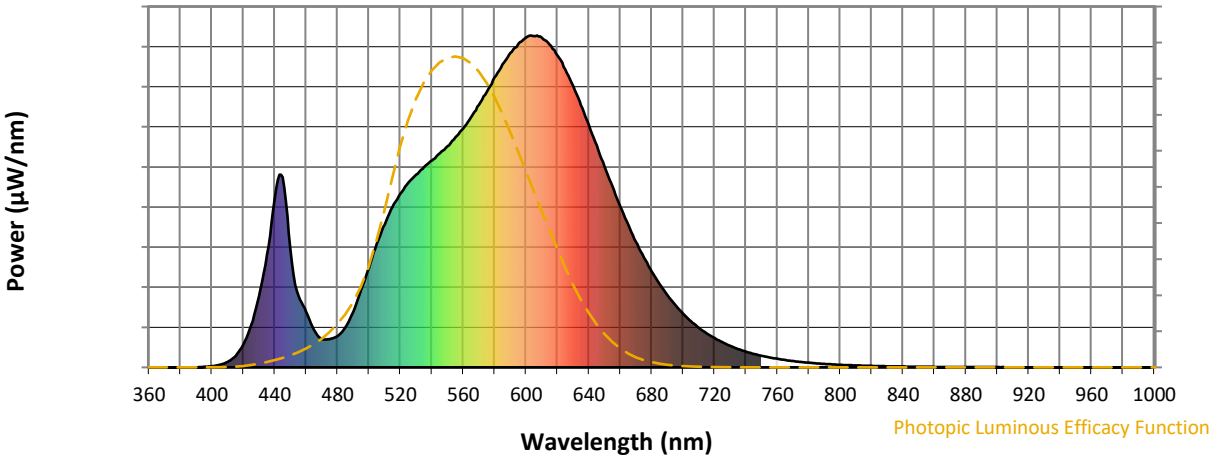


CCT = 3050K
CIE x = 0.4383
CIE y = 0.4131
Duv = 0.0034

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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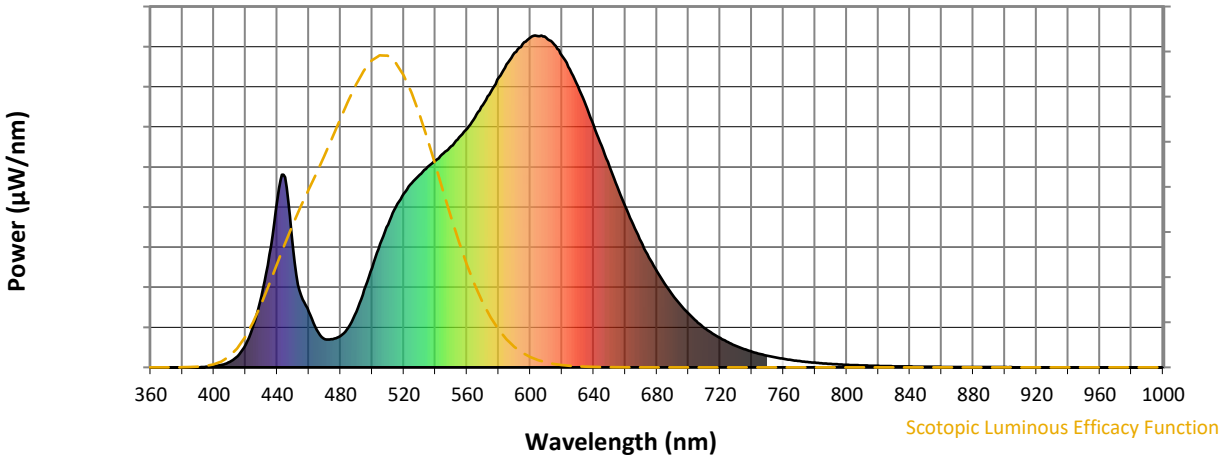
Scotopic Flux vs. Wavelength



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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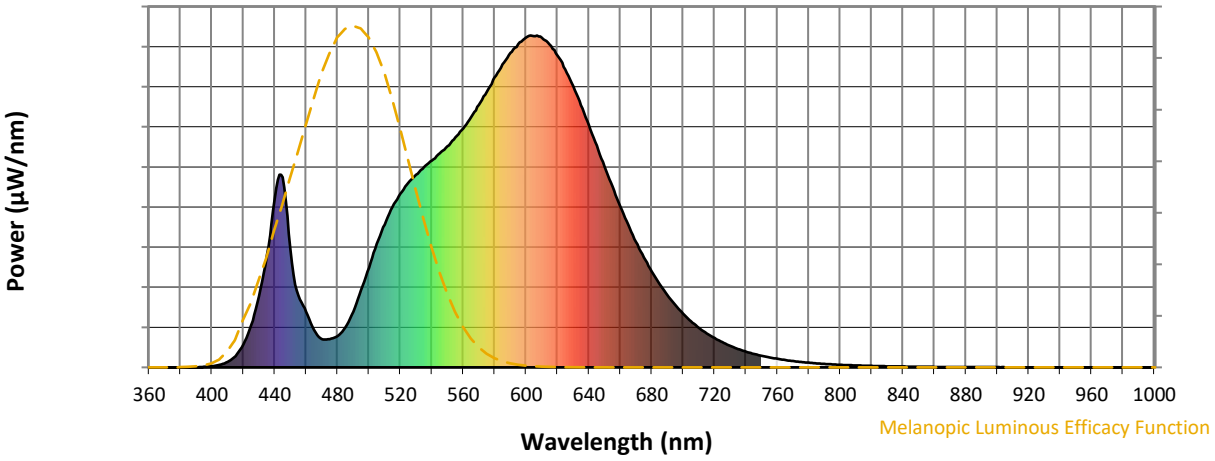
Melanopic Flux vs. Wavelength



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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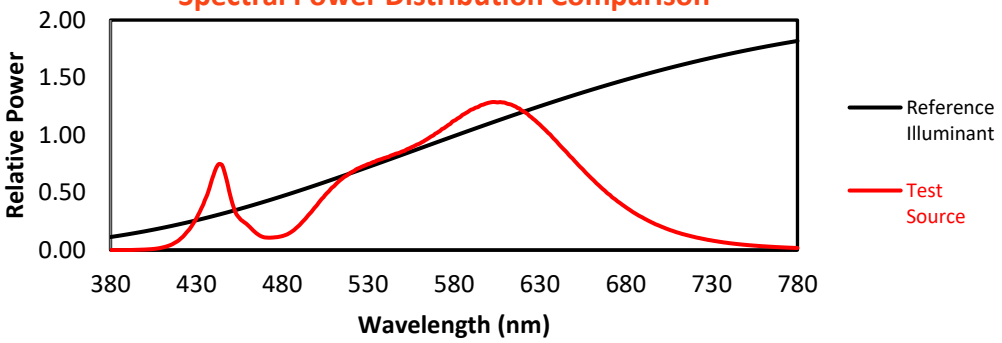
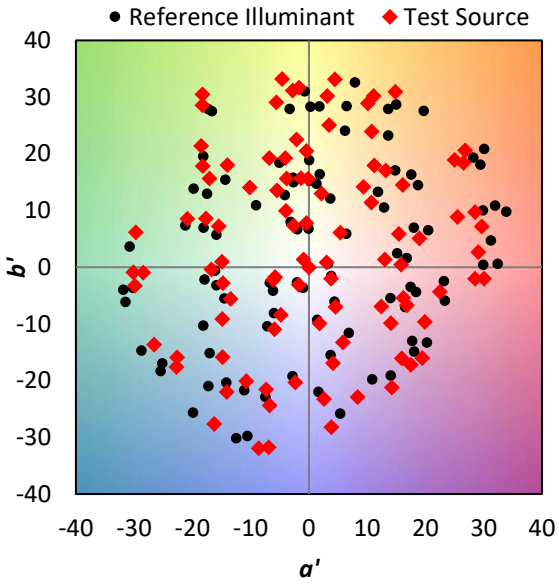
Summary

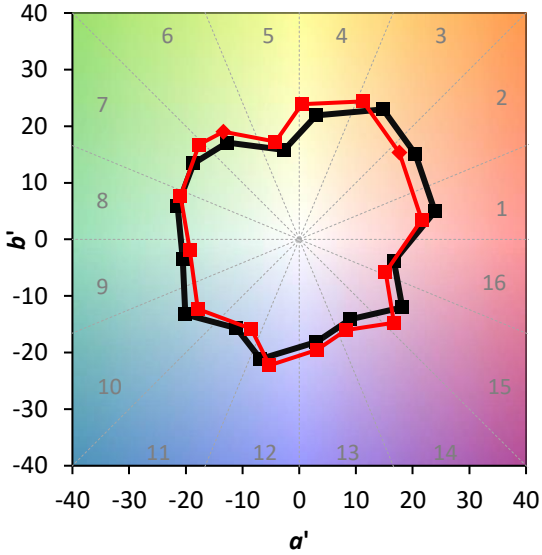
R_f = 81.5
R_g = 99.2
CIE R_a = 81.0
R_9 = 7.1

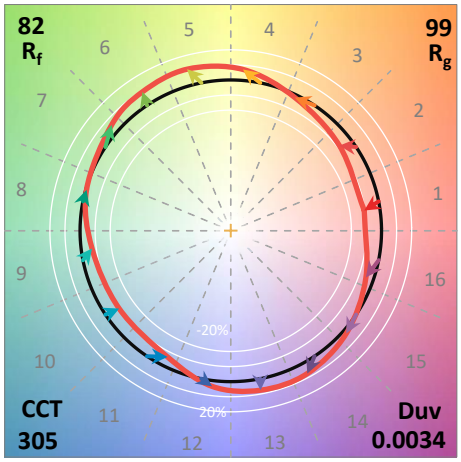
Spectral Power Distribution Comparison

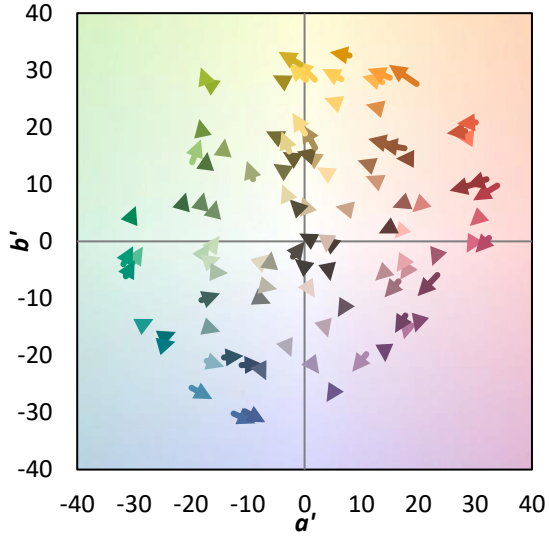


Color Vector Graphics









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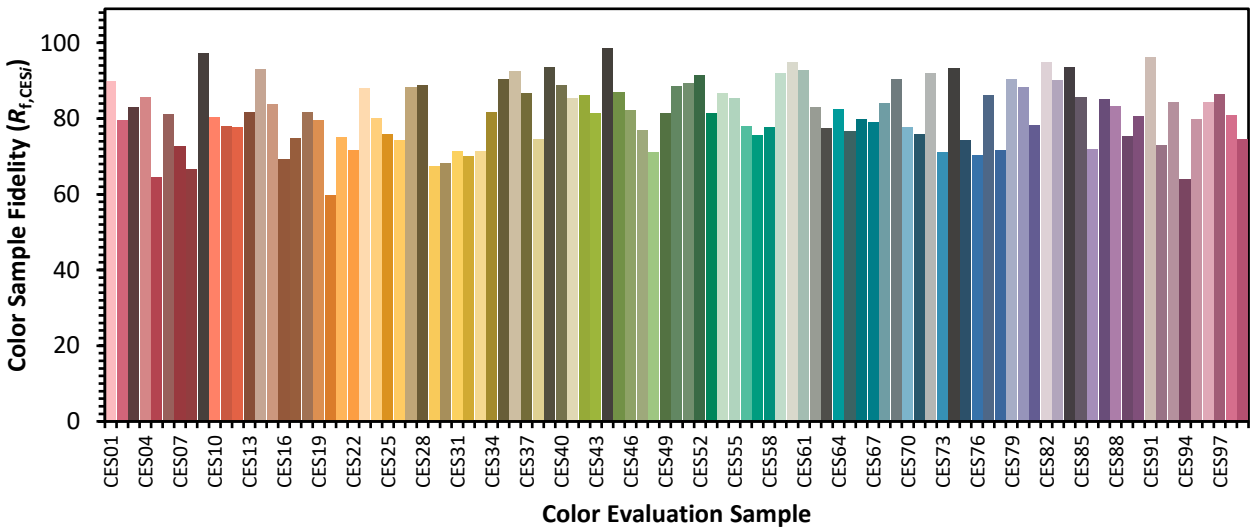
Individual Sample Fidelity Index ($R_{f,i}$)

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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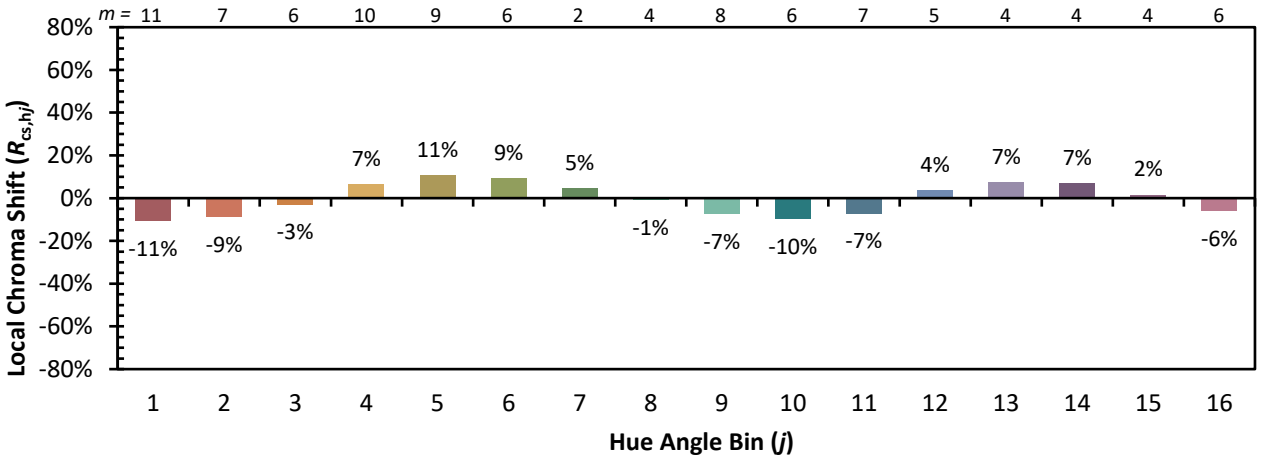
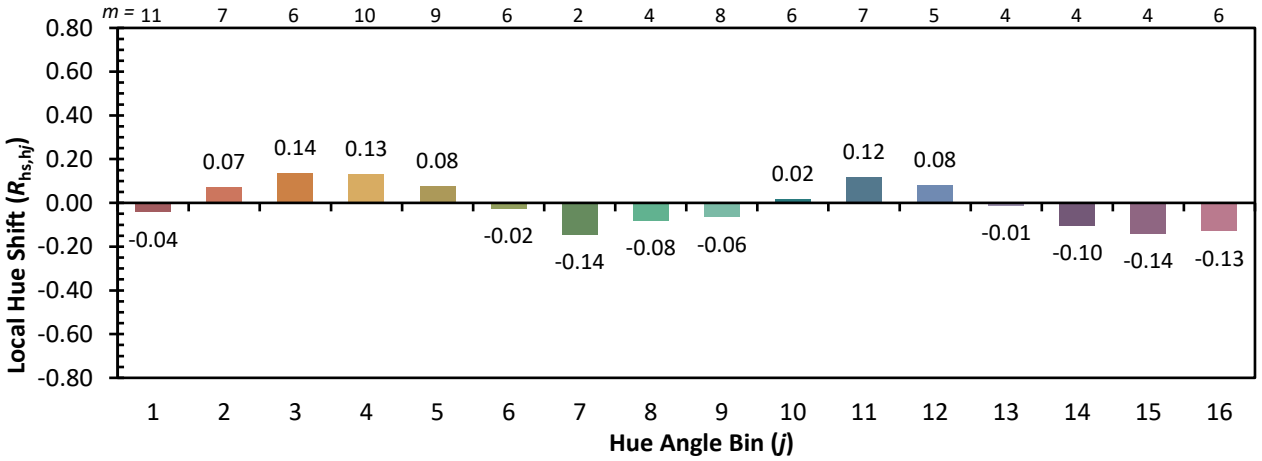
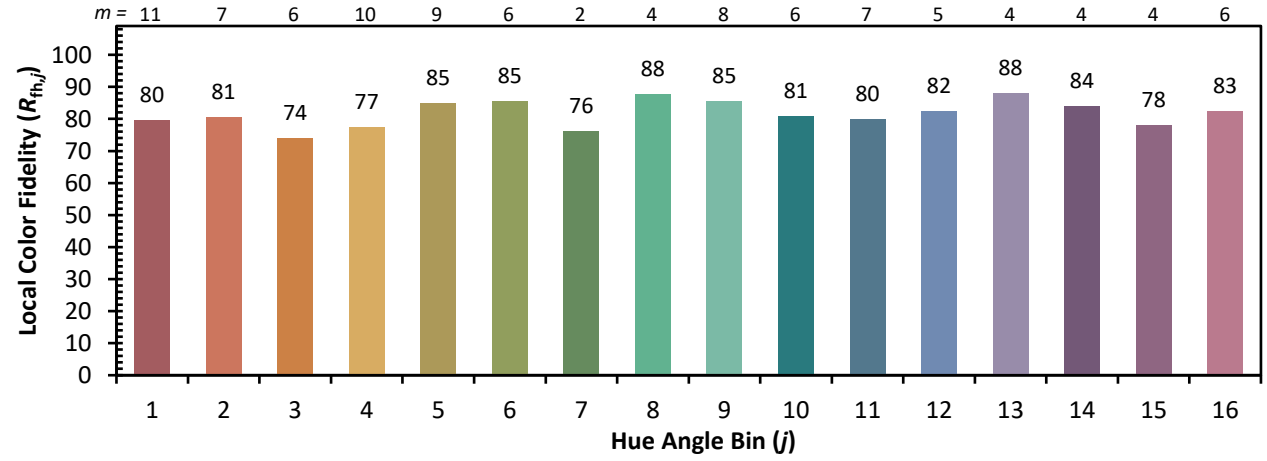
Color Rendition by Hue-Angle Bin







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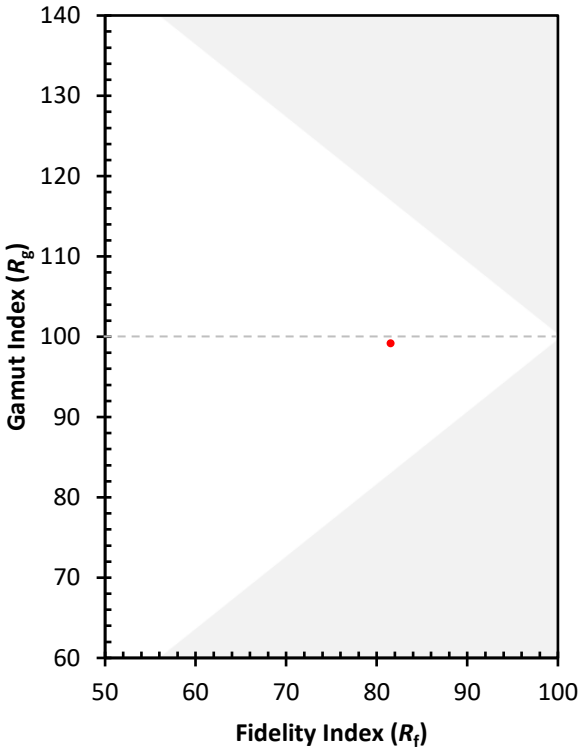
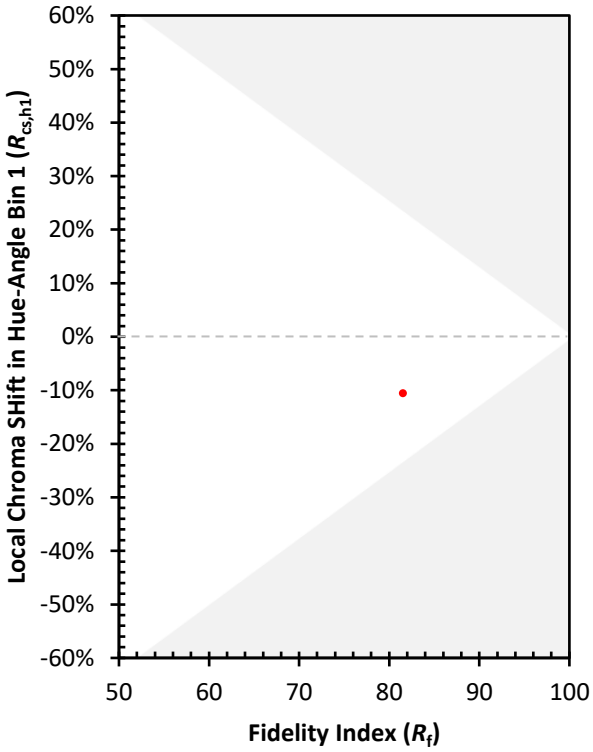
Measure Comparisons





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