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: P319839

Luminaire Tested: **GLEON-SA5B-830-U-SL3**

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:	P319839
	TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-22)
Test Lab:	INNOVATION CENTER
Issue Date:	3/3/2020
Manufacturer:	COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line:	McGRAW-EDISON
Catalog Number:	GLEON-SA5B-830-U-SL3
Description:	GALLEON AREA AND ROADWAY LUMINAIRE
	(5) 80 CRI, 3000K, 800mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III SPILL LIGHT ELIMINATOR OPTICS
Light Source:	-
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	22699 lumens
Efficiency:	N/A
Efficacy:	108.1 lumens/watt
Luminous Opening:	Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification:	Type III - Medium
BUG Rating:	B3 - U0 - G4

Input Watts (W):	210
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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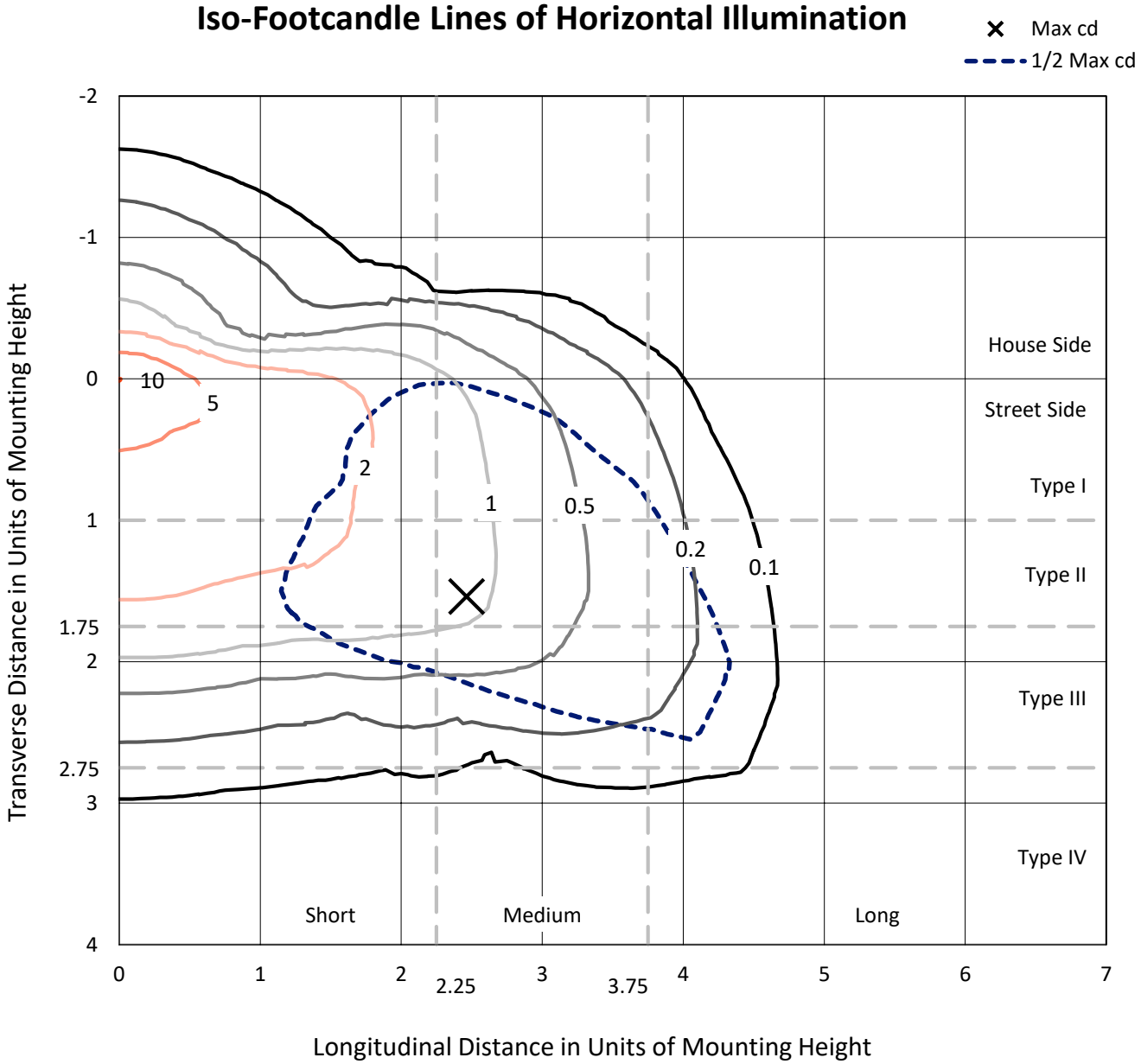
Scaled Data Report

REPORT NUMBER: P319839
CATALOG NUMBER: GLEON-SA5B-830-U-SL3

Iso-Footcandle Lines of Horizontal Illumination



Based on 25 foot mounting height. Maximum calculated value = 10.1 fc
Type III - Medium - N/A

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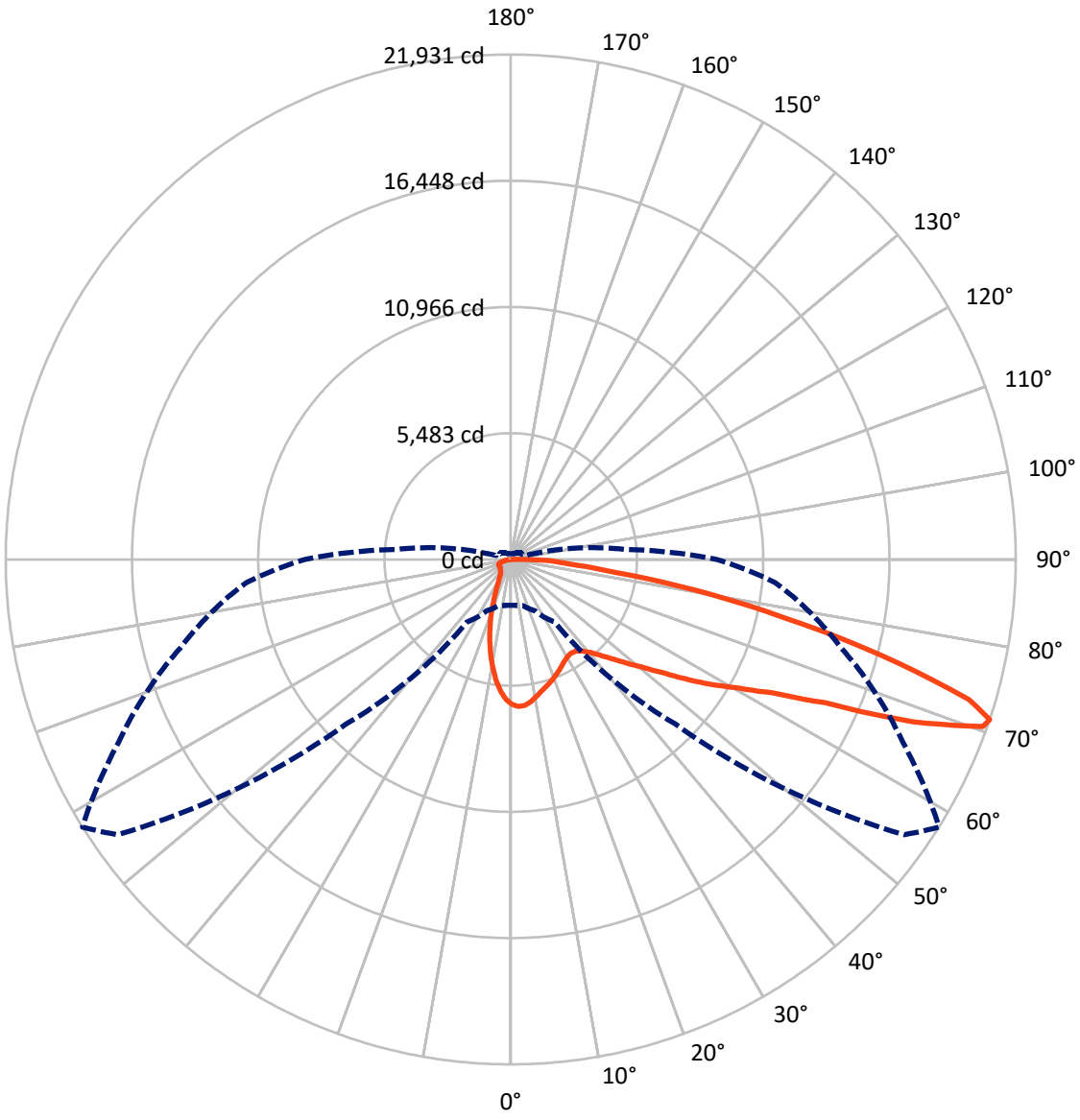
Luminous Intensity Polar Plot



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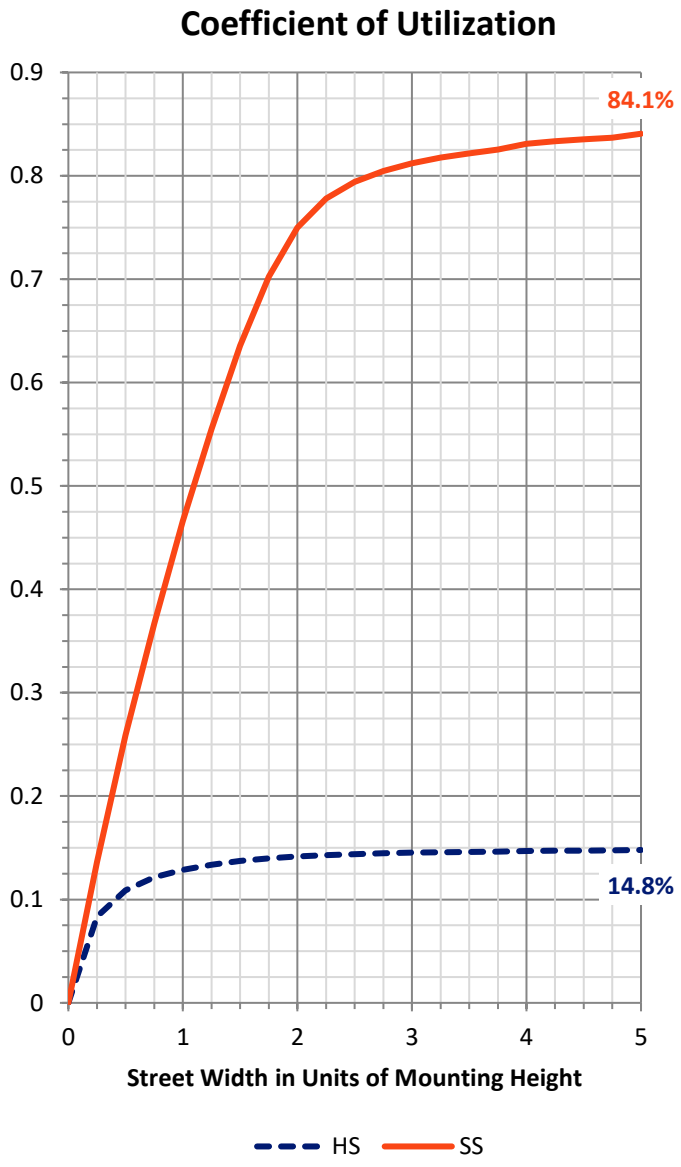
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3393.7	0.0	3393.7
	% Fixture	15.0	0.0	15.0
Street Side	Lumens	19305.3	0.0	19305.3
	% Fixture	85.0	0.0	85.0
Total	Lumens	22699.0	0.0	22699.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	542.6	2.4
10°-20°	1206.5	5.3
20°-30°	1533.3	6.8
30°-40°	1953.1	8.6
40°-50°	2769.6	12.2
50°-60°	4286.0	18.9
60°-70°	5834.9	25.7
70°-80°	3892.6	17.1
80°-90°	680.5	3.0
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°	22699.0	100.0
0°-180°	22699.0	100.0



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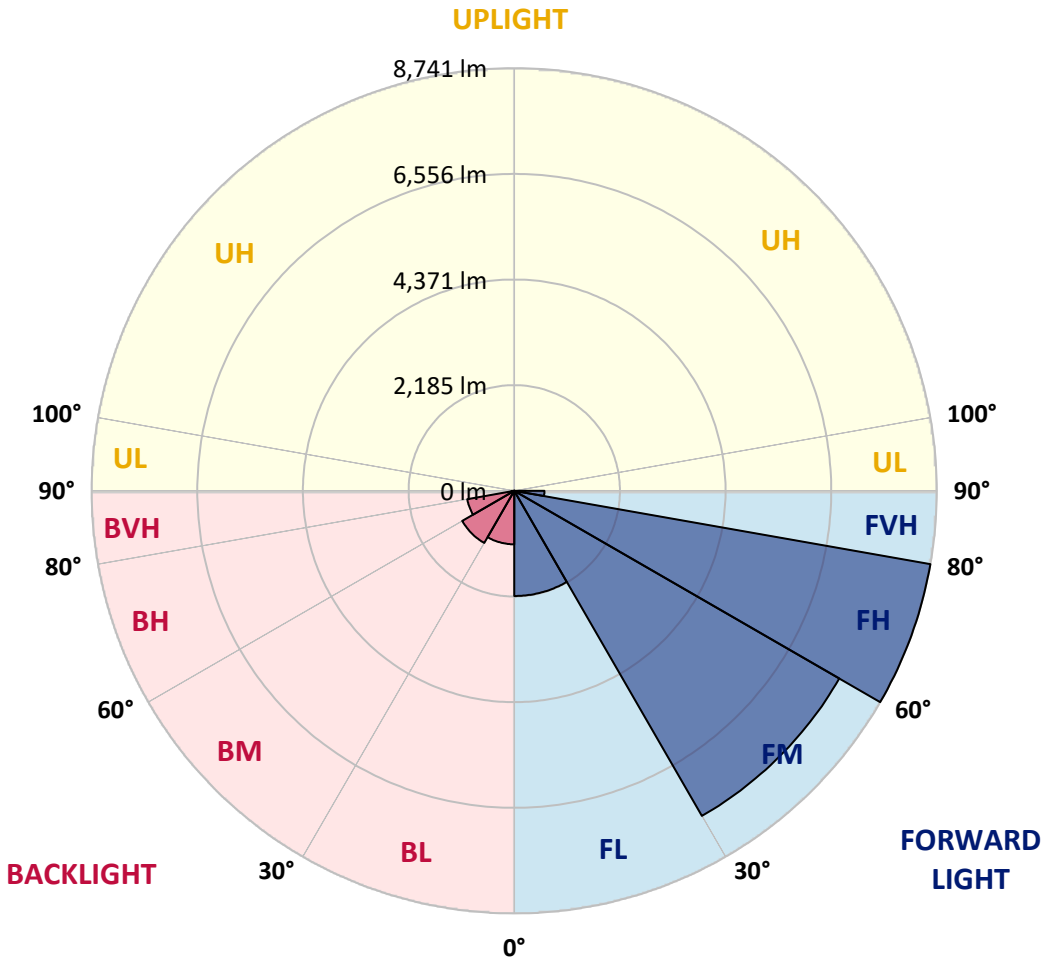
CATALOG NUMBER: GLEON-SA5B-830-U-SL3

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	2176.1	9.6			
FM	(30°-60°)	7764.2	34.2			
FH	(60°-80°)	8741.1	38.5			G4/12000
FVH	(80°-90°)	624.0	2.7			G4/750
BL	(0°-30°)	1106.2	4.9	B3/2500		
BM	(30°-60°)	1244.5	5.5	B2/2500		
BH	(60°-80°)	986.3	4.3	B2/1000		G2/1000
BVH	(80°-90°)	56.5	0.2			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G4
Type III Medium



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Scaled Data Report

REPORT NUMBER: P319839
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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	58°	65°	75°	85°
0°	6289.1	6289.1	6289.1	6289.1	6289.1	6289.1	6289.1	6289.1	6289.1	6289.1	6289.1
2.5°	6456.0	6447.3	6450.4	6444.1	6429.1	6414.1	6391.9	6395.9	6365.0	6319.2	6262.3
5°	6334.2	6331.0	6354.8	6368.2	6379.3	6370.6	6364.3	6372.2	6327.1	6263.8	6165.0
7.5°	6078.8	6044.0	6074.1	6119.1	6161.8	6194.3	6237.0	6242.5	6214.0	6147.6	6017.9
10°	5715.9	5682.7	5727.0	5797.3	5882.7	5960.2	6046.4	6062.2	6067.7	6007.7	5850.3
12.5°	5339.5	5314.2	5358.5	5457.3	5598.9	5718.3	5855.8	5879.6	5928.6	5888.3	5695.3
15°	5002.7	4993.2	5047.0	5144.2	5307.1	5489.8	5688.2	5731.7	5814.7	5801.3	5574.4
17.5°	4711.7	4709.3	4750.5	4852.5	5032.7	5263.6	5521.4	5594.9	5718.3	5734.1	5474.7
20°	4495.1	4490.3	4518.8	4593.9	4779.7	5041.4	5341.1	5442.3	5620.2	5675.6	5371.9
22.5°	4378.8	4378.0	4378.8	4414.4	4566.2	4809.8	5165.6	5288.9	5524.5	5628.9	5258.1
25°	4359.1	4356.7	4339.3	4335.3	4421.5	4616.0	4991.6	5127.6	5433.6	5596.5	5149.8
27.5°	4410.5	4413.6	4390.7	4353.5	4370.9	4488.7	4840.6	4986.1	5360.9	5590.2	5074.6
30°	4517.2	4515.6	4495.9	4457.1	4423.1	4441.3	4733.1	4878.6	5311.8	5617.8	5023.2
32.5°	4635.0	4643.7	4639.8	4618.4	4567.8	4495.1	4700.6	4843.0	5297.6	5684.3	5001.1
35°	4776.6	4786.0	4814.5	4831.1	4771.8	4654.8	4770.2	4893.6	5338.7	5809.2	5036.7
37.5°	4911.0	4935.5	5015.3	5085.7	5035.1	4904.6	4955.2	5043.0	5466.0	6006.1	5132.4
40°	5065.9	5087.3	5217.8	5367.2	5359.3	5224.1	5253.3	5311.8	5690.6	6288.3	5305.5
42.5°	5218.5	5261.2	5450.2	5662.1	5723.0	5603.6	5650.3	5681.1	6006.9	6662.3	5607.6
45°	5421.8	5467.6	5730.1	5985.5	6127.8	6060.6	6135.0	6146.8	6404.6	7171.5	6046.4
47.5°	5729.3	5781.5	6087.5	6355.6	6573.0	6580.1	6702.7	6697.9	6901.1	7754.3	6599.1
50°	6208.5	6283.6	6534.3	6784.9	7049.0	7196.1	7359.7	7336.8	7496.5	8375.0	7235.6
52.5°	6836.3	6871.1	7056.9	7241.9	7570.1	7899.8	8134.6	8114.1	8171.8	9013.1	7958.3
55°	7487.0	7513.1	7589.8	7691.0	8132.2	8669.9	9166.5	9134.0	8987.8	9675.7	8672.3
57.5°	8072.1	8125.1	8178.1	8220.0	8698.4	9474.8	10222.0	10224.4	9873.3	10390.4	9410.0
60°	8163.1	8209.7	8560.0	8890.5	9667.0	10548.6	11351.9	11328.2	10789.7	11166.1	10232.3
62.5°	7215.8	7321.0	7906.1	8785.3	10600.0	12512.7	12793.3	12764.1	11885.6	12122.1	11189.8
65°	5171.1	5290.5	5996.6	7317.8	10147.7	14676.8	15394.7	15001.0	13380.0	13297.8	12311.0
67.5°	2983.3	3011.7	3317.7	4378.8	7726.6	14789.8	19363.2	18812.1	15700.7	14631.7	12859.8
70°	2206.0	2205.2	2278.0	2694.7	4181.2	12070.7	21250.6	21744.7	18143.9	15070.5	12084.1
71°	1994.9	1997.3	2078.7	2452.7	3311.4	10103.4	20849.7	21931.3	18787.6	14853.9	11522.7
72.5°	1706.3	1714.2	1827.3	2199.7	2785.6	6967.6	19122.8	20811.7	19092.8	14319.4	10644.3
75°	1294.4	1312.5	1469.1	1854.2	2546.0	3533.6	14034.7	16618.7	16961.1	12635.2	7909.3
77.5°	923.5	944.1	1121.2	1559.2	2420.3	2663.0	9398.9	12122.1	12481.8	8097.4	3567.6
80°	583.5	608.0	741.7	1240.6	2274.0	2528.6	5906.4	8148.1	6806.3	2591.1	907.7
82.5°	342.4	361.3	460.2	810.5	1857.3	2435.3	3475.1	4516.4	2648.8	782.8	412.7
85°	198.5	207.2	287.0	516.3	1348.9	2298.5	2553.1	2524.7	1149.7	382.7	195.3
87.5°	92.5	102.8	170.0	269.6	748.8	1666.0	2017.8	1743.5	714.8	179.5	91.7
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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REPORT NUMBER: P319839
CATALOG NUMBER: GLEON-SA5B-830-U-SL3

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	6289.1	6289.1	6289.1	6289.1	6289.1	6289.1	6289.1	6289.1	6289.1	6289.1	6289.1
2.5°	6234.6	6221.1	6165.0	6115.2	6063.0	5995.0	5919.9	5910.4	5864.5	5873.2	5857.4
5°	6111.2	6077.2	5942.0	5819.5	5674.8	5545.1	5404.4	5339.5	5246.2	5239.9	5216.2
7.5°	5934.9	5871.7	5662.1	5429.7	5197.2	4975.8	4756.8	4612.9	4465.8	4403.3	4397.8
10°	5736.4	5628.9	5320.5	4976.6	4641.3	4318.0	4004.8	3773.2	3564.4	3465.6	3461.6
12.5°	5548.3	5389.3	4966.3	4498.2	4039.6	3620.6	3191.2	2886.8	2625.1	2537.3	2500.2
15°	5388.5	5164.8	4621.6	4023.0	3466.4	2884.4	2395.8	2075.6	1833.6	1749.8	1734.0
17.5°	5233.6	4945.8	4268.1	3543.1	2870.2	2230.5	1741.1	1503.1	1374.2	1340.2	1339.4
20°	5079.4	4720.4	3898.9	3052.1	2293.8	1668.4	1338.6	1231.9	1188.4	1184.5	1178.1
22.5°	4904.6	4481.6	3510.7	2559.5	1790.1	1311.8	1137.8	1095.1	1089.6	1103.8	1103.8
25°	4741.0	4244.4	3116.9	2077.1	1392.4	1094.3	1016.0	1007.3	1022.4	1047.7	1050.0
27.5°	4588.4	4015.9	2732.6	1648.6	1115.7	963.8	931.4	941.7	968.6	997.8	998.6
30°	4462.6	3800.1	2359.4	1299.1	942.5	866.6	861.1	881.6	910.9	933.8	939.3
32.5°	4365.4	3615.8	1998.9	1044.5	829.4	793.9	798.6	816.0	834.2	846.8	855.5
35°	4320.3	3457.7	1666.0	880.8	757.5	737.7	744.0	753.5	761.4	770.9	778.0
37.5°	4328.2	3335.1	1368.7	778.8	709.2	699.0	699.0	699.0	699.0	703.7	704.5
40°	4401.8	3264.8	1126.7	714.0	676.8	665.8	657.1	649.2	642.8	646.0	644.4
42.5°	4589.9	3258.4	949.6	672.9	650.7	632.6	615.2	604.1	596.2	599.3	600.9
45°	4909.4	3337.5	830.2	643.6	626.2	598.6	576.4	564.6	559.0	569.3	570.9
47.5°	5322.9	3509.9	757.5	622.3	603.3	566.9	543.2	532.1	533.7	548.7	552.7
50°	5855.8	3789.8	722.7	608.8	587.5	540.0	515.5	506.0	510.8	532.1	536.9
52.5°	6441.0	4193.0	726.6	604.9	577.2	520.3	494.2	483.1	491.0	510.8	514.7
55°	7116.2	4677.7	792.3	610.4	562.2	507.6	476.8	457.8	464.1	482.3	485.5
57.5°	7866.6	5232.8	924.3	608.8	543.2	495.8	458.6	430.1	434.9	445.9	449.1
60°	8647.8	5903.3	1129.1	613.6	534.5	481.5	434.1	398.5	396.9	406.4	408.0
62.5°	9585.5	6679.0	1363.1	616.7	540.0	463.3	401.7	366.9	362.1	364.5	366.1
65°	10551.7	7240.3	1275.4	604.1	557.4	448.3	373.2	336.0	327.3	325.8	326.6
67.5°	10581.8	6638.6	894.3	578.8	564.6	440.4	351.9	310.0	295.7	290.2	289.4
70°	9489.8	5393.3	696.6	551.9	536.1	427.8	332.1	288.6	267.3	258.6	257.8
71°	*8956.9*	*4964.7*	*660.2*	*538.5*	*514.7*	*415.1*	*323.4*	*279.1*	*257.0*	*247.5*	*245.9*
72.5°	8121.2	4450.8	615.9	517.1	473.6	382.7	306.8	265.7	242.7	231.7	229.3
75°	5828.2	2910.5	529.0	461.0	392.2	305.2	268.8	238.8	219.0	205.6	204.0
77.5°	2245.6	1158.4	400.1	383.5	300.5	238.8	221.4	206.4	192.1	178.7	177.9
80°	694.2	517.9	291.8	288.6	217.4	177.9	172.4	168.4	162.9	148.6	145.5
82.5°	370.8	297.3	200.8	186.6	142.3	118.6	124.9	126.5	127.3	112.3	110.7
85°	177.1	157.3	113.1	106.0	83.0	66.4	76.7	83.0	83.8	68.8	64.0
87.5°	84.6	82.2	53.0	40.3	30.8	22.1	26.9	33.2	36.4	26.1	22.9
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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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

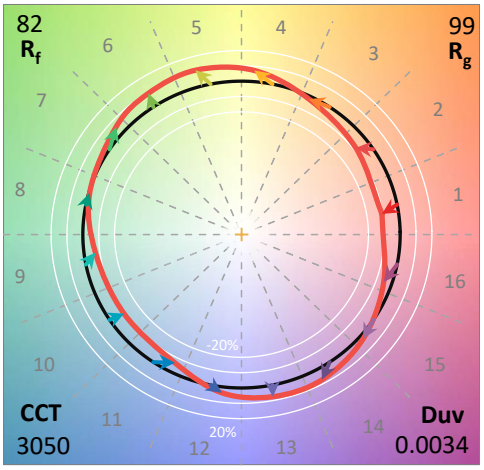
Test Information

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

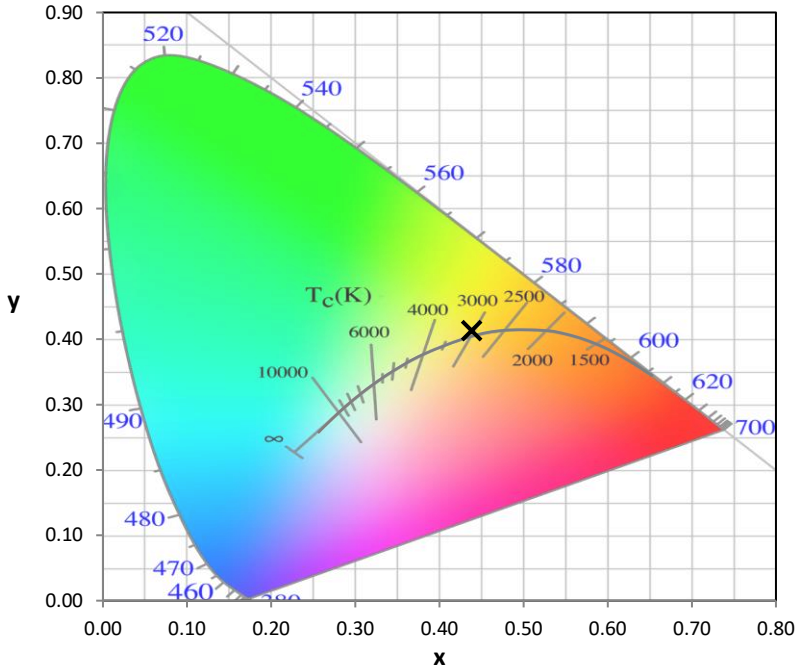
Stabilization Time:	20M
Operation Time:	1H 20M
Sphere Temperature (°C):	24.2

REPORT NUMBER: SP1-2408-195-9

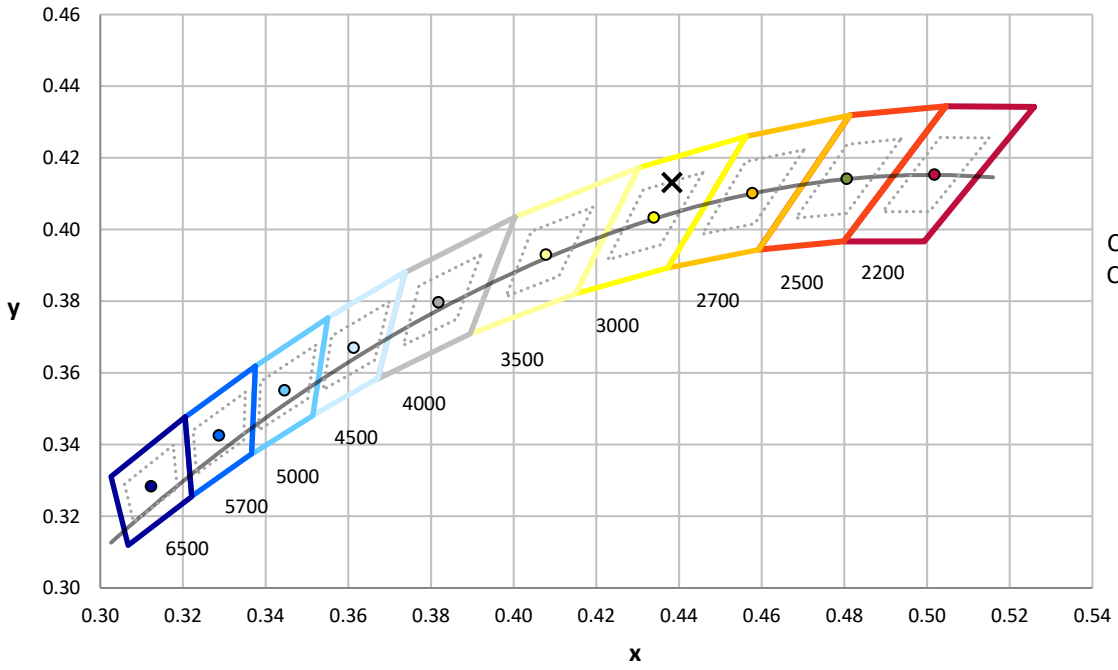
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

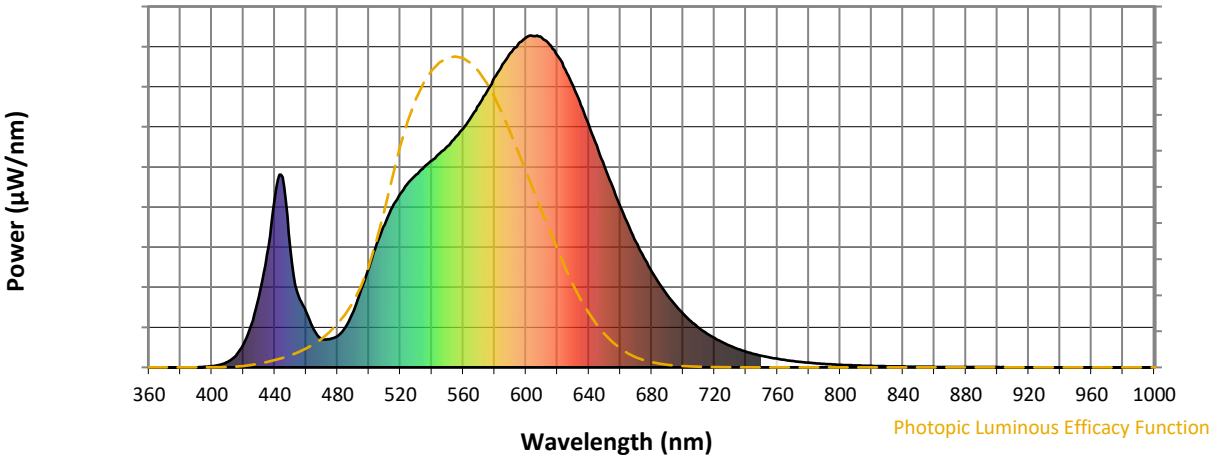


CCT = 3050K
CIE x = 0.4383
CIE y = 0.4131
Duv = 0.0034

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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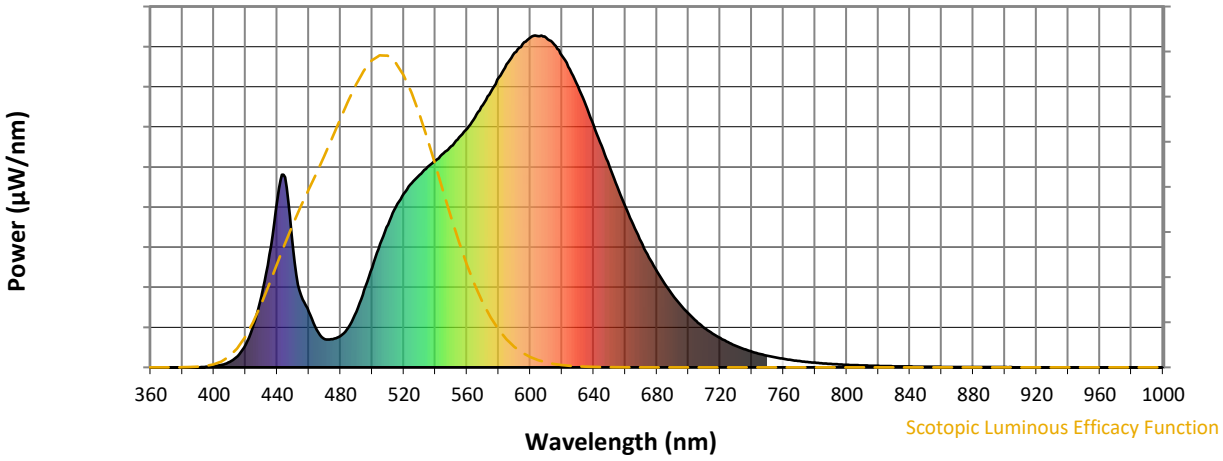
Scotopic Flux vs. Wavelength



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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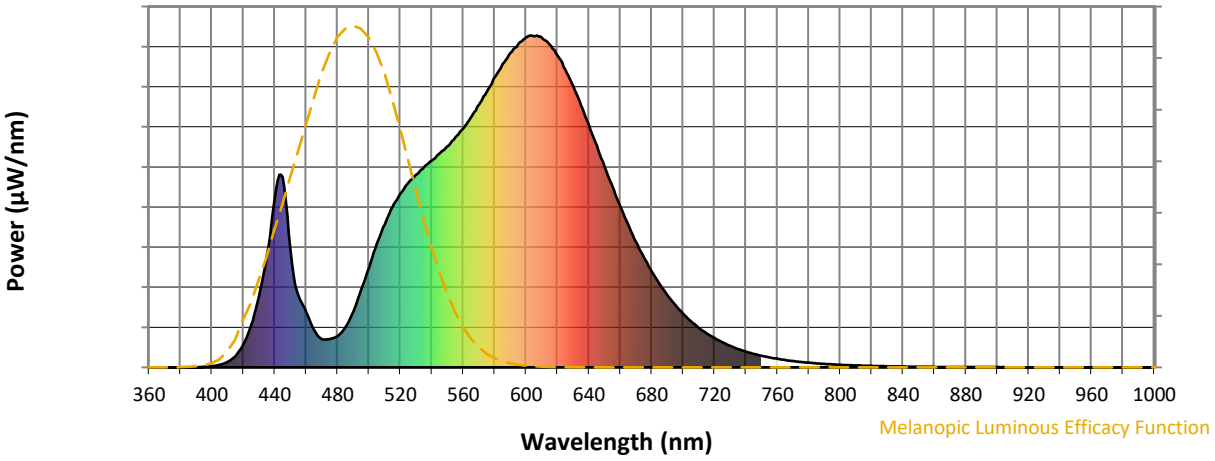
Melanopic Flux vs. Wavelength



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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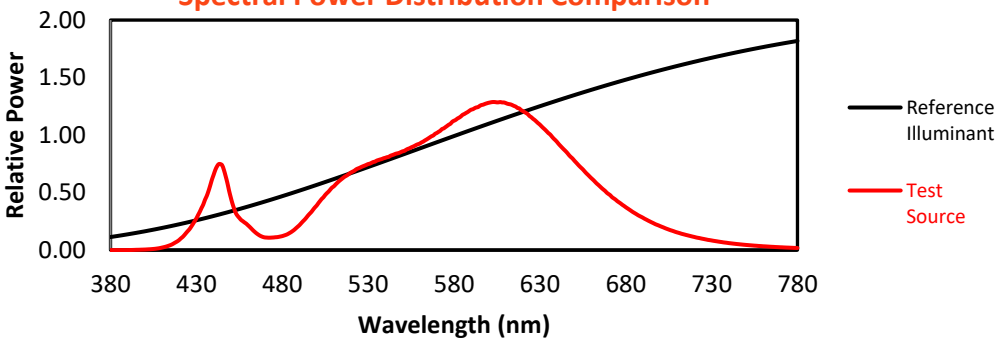
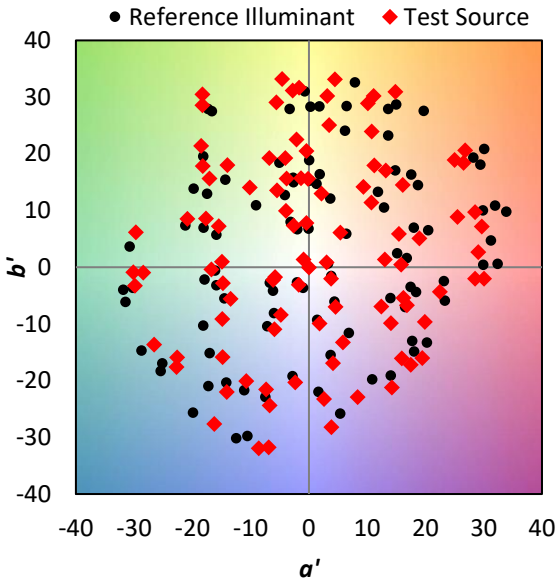
Summary

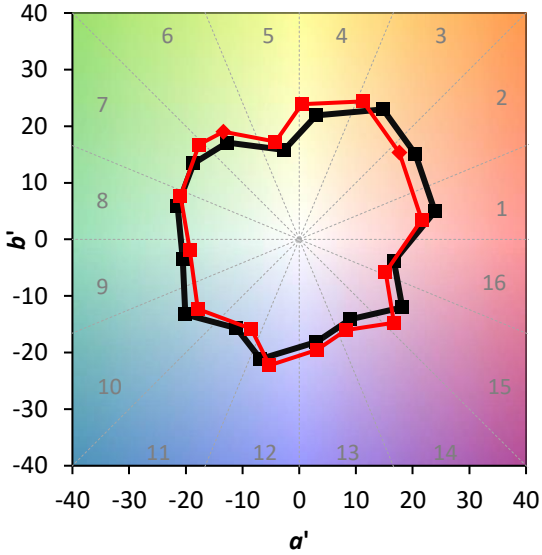
R_f = 81.5
R_g = 99.2
CIE R_a = 81.0
R_9 = 7.1

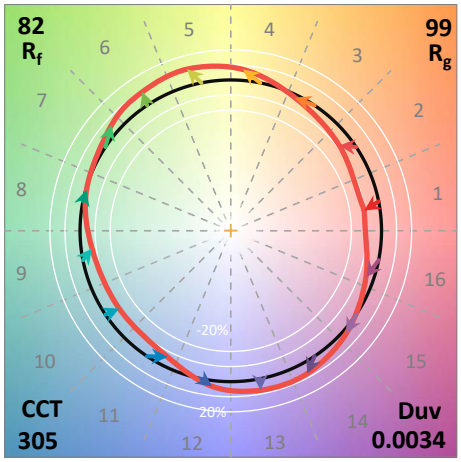
Spectral Power Distribution Comparison

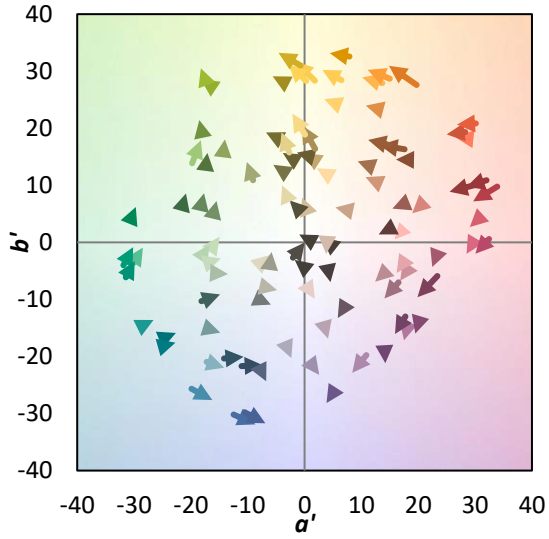


Color Vector Graphics









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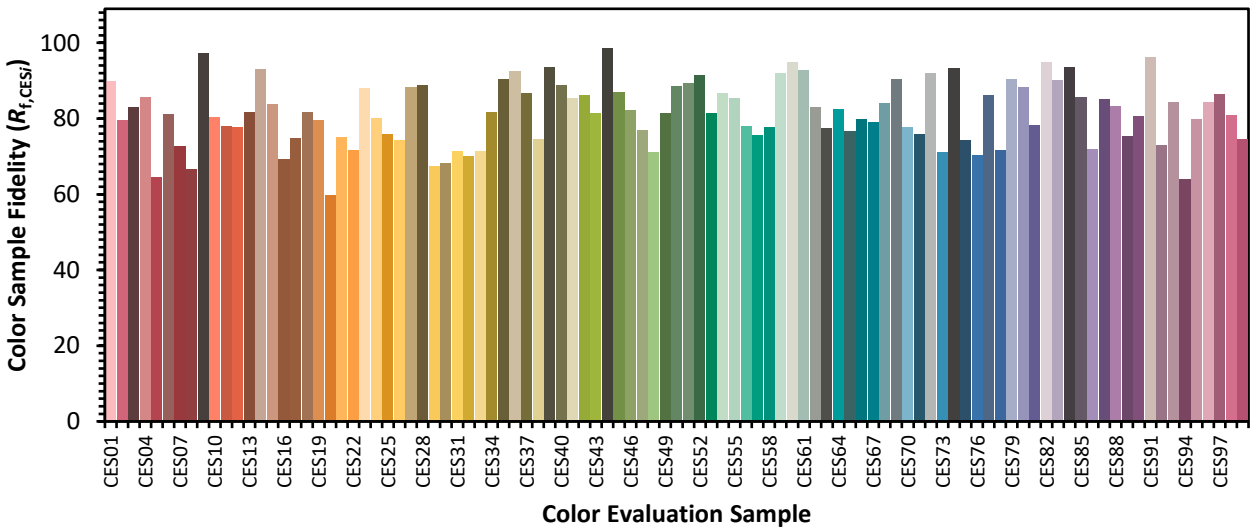
Individual Sample Fidelity Index ($R_{f,i}$)

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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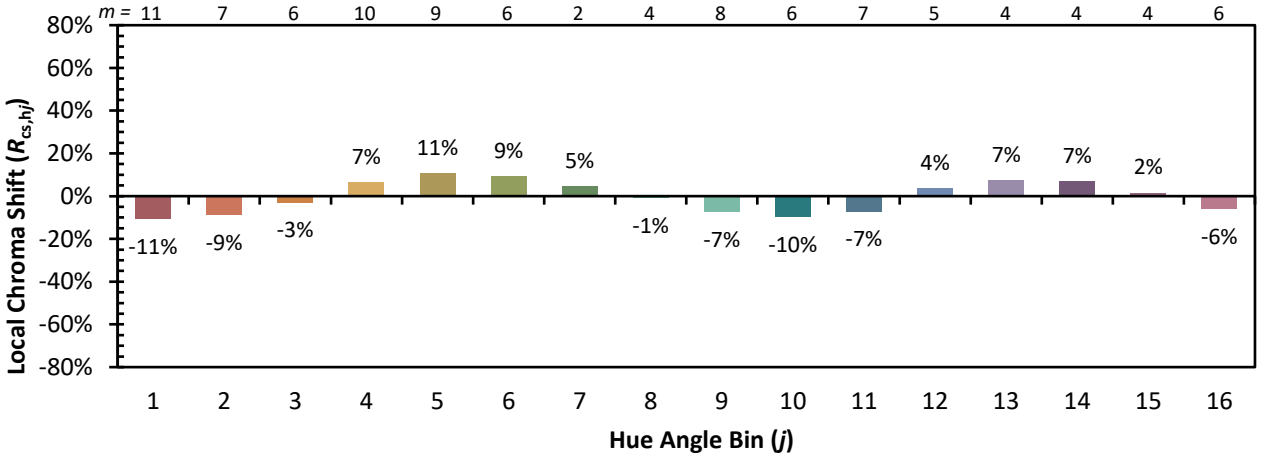
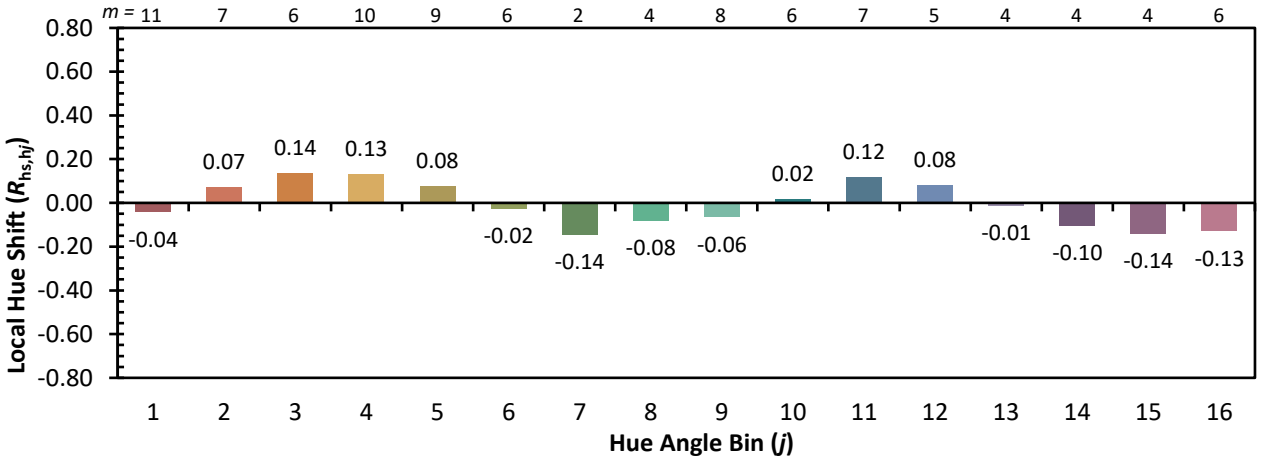
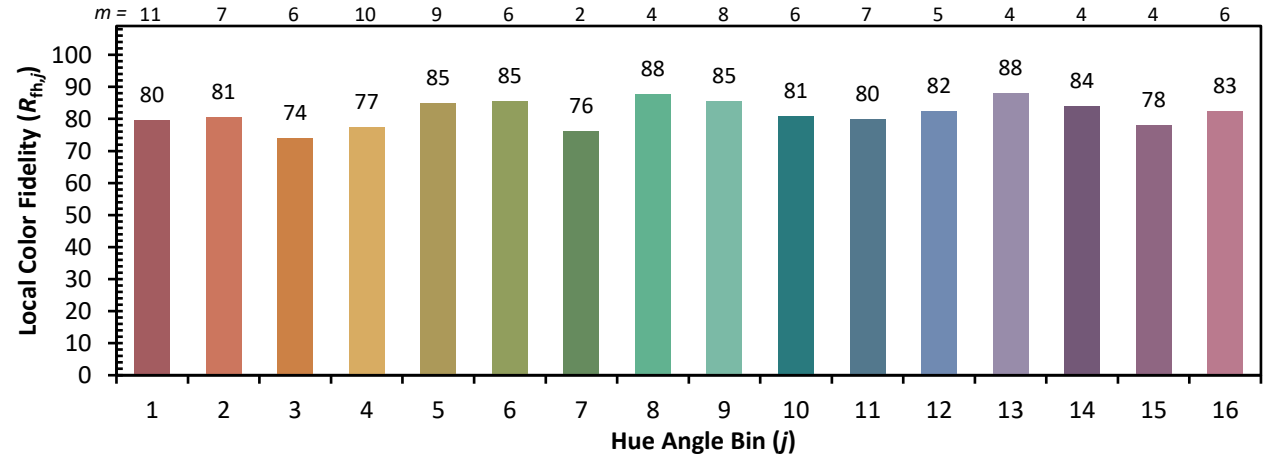
Color Rendition by Hue-Angle Bin







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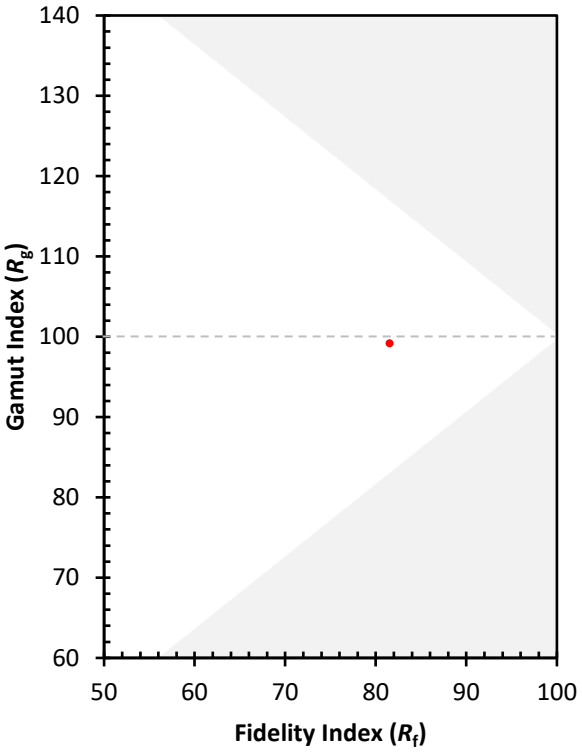
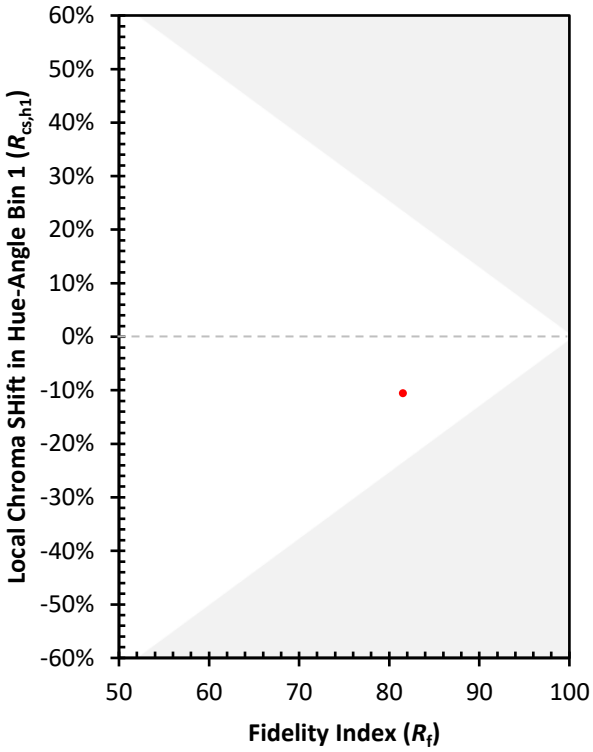
Measure Comparisons





(END OF REPORT)