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: P323680

Luminaire Tested: **GLEON-SA6B-830-U-SL3-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:	P323680
	TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-23)
Test Lab:	INNOVATION CENTER
Issue Date:	3/3/2020
Manufacturer:	COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line:	McGRAW-EDISON
Catalog Number:	GLEON-SA6B-830-U-SL3-HSS
Description:	GALLEON AREA AND ROADWAY LUMINAIRE
	(6) 80 CRI, 3000K, 800mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III
	SPILL LIGHT ELIMINATOR OPTICS WITH HOUSE SIDE SHIELD
Light Source:	-
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	23204 lumens
Efficiency:	N/A
Efficacy:	93.2 lumens/watt
Luminous Opening:	Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification:	Type III - Medium
BUG Rating:	B2 - U0 - G4

Input Watts (W):	249
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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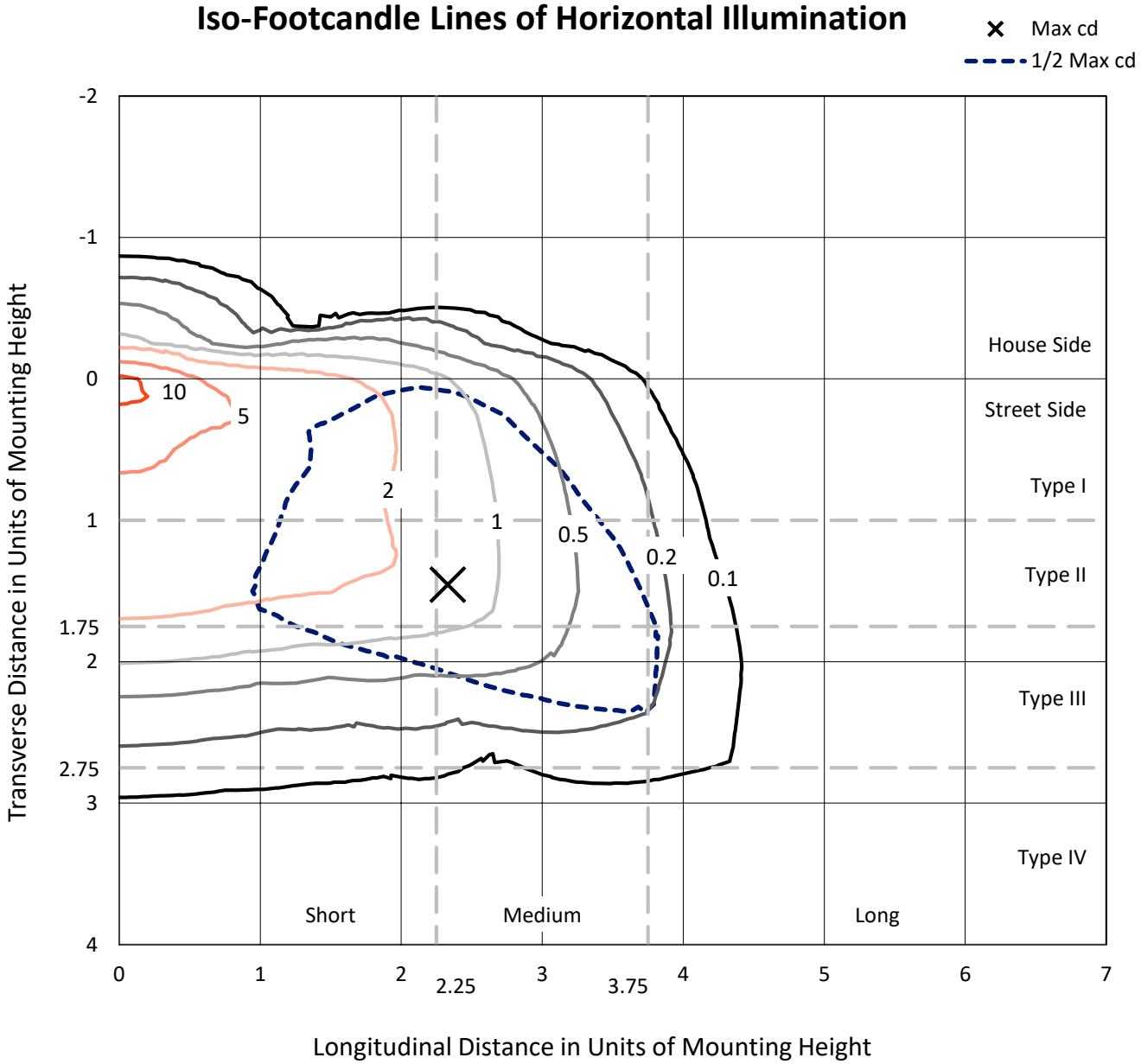
Scaled Data Report

REPORT NUMBER: P323680
CATALOG NUMBER: GLEON-SA6B-830-U-SL3-HSS

Iso-Footcandle Lines of Horizontal Illumination



Based on 25 foot mounting height. Maximum calculated value = 11.1 fc
Type III - Medium - N/A

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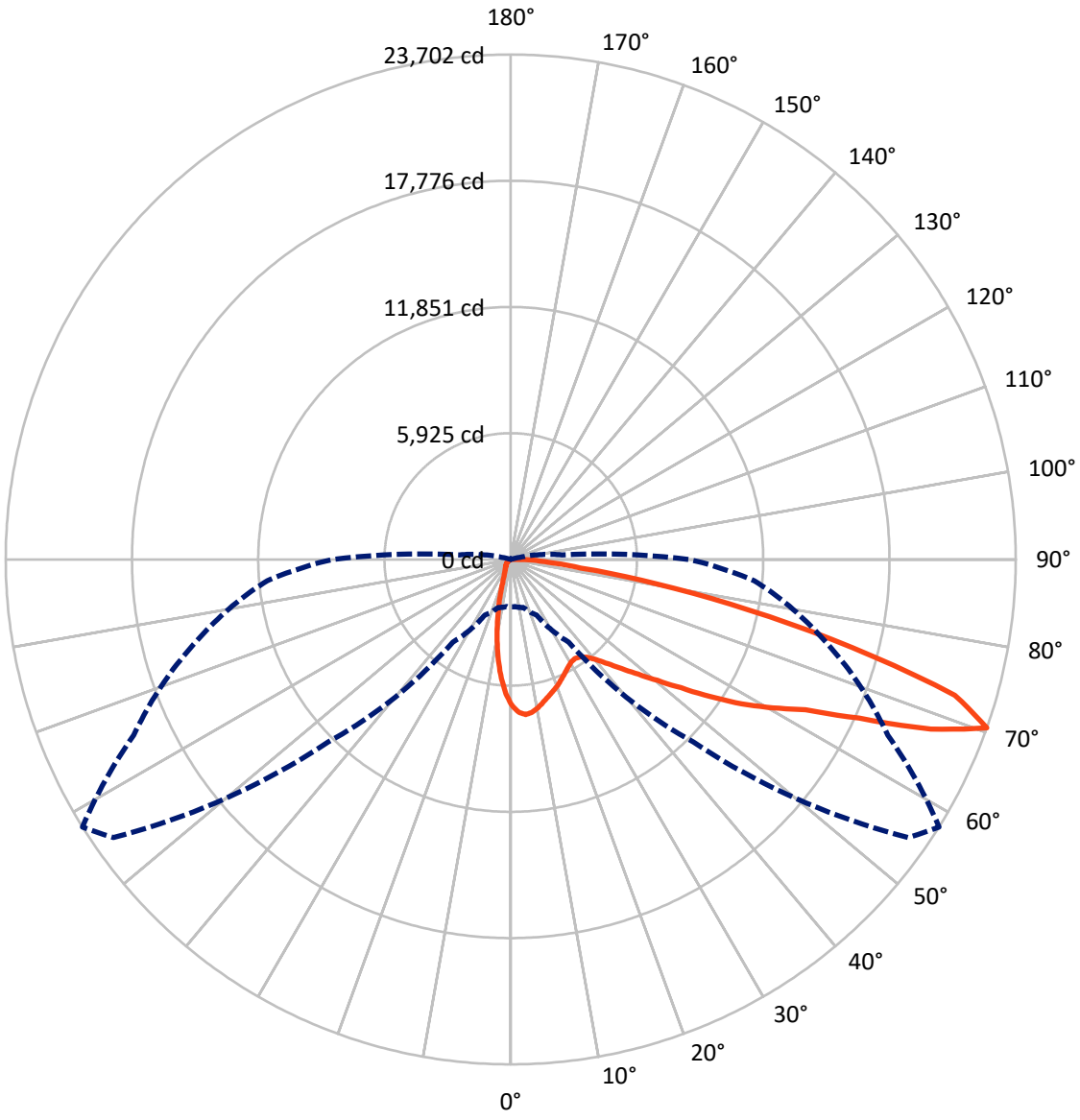
CATALOG NUMBER: GLEON-SA6B-830-U-SL3-HSS

Luminous Intensity Polar Plot



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REPORT NUMBER: P323680
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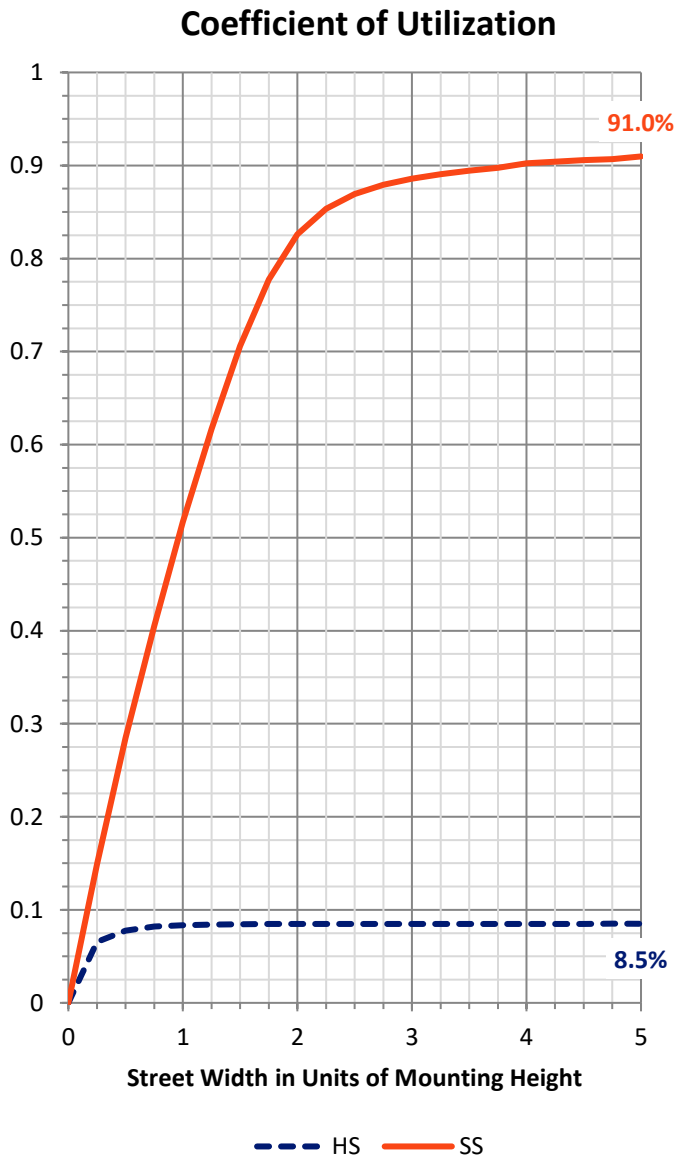
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1985.8	0.0	1985.8
	% Fixture	8.6	0.0	8.6
Street Side	Lumens	21218.3	0.0	21218.3
	% Fixture	91.4	0.0	91.4
Total	Lumens	23204.0	0.0	23204.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	560.5	2.4
10°-20°	1176.4	5.1
20°-30°	1546.5	6.7
30°-40°	2048.2	8.8
40°-50°	3061.4	13.2
50°-60°	4904.3	21.1
60°-70°	6181.8	26.6
70°-80°	3334.5	14.4
80°-90°	390.3	1.7
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°	23204.0	100.0
0°-180°	23204.0	100.0



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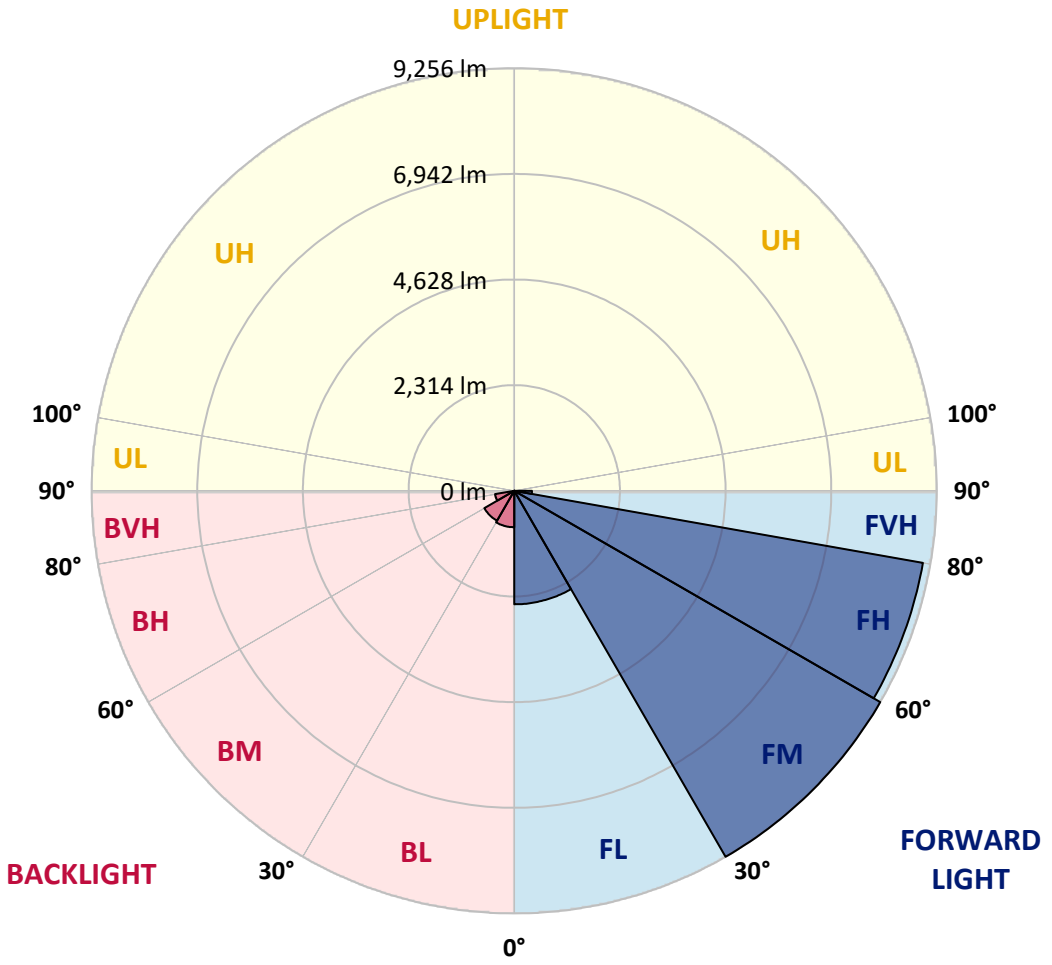
Scaled Data Report

REPORT NUMBER: P323680
CATALOG NUMBER: GLEON-SA6B-830-U-SL3-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	2485.6	10.7			
FM	(30°-60°)	9256.4	39.9			
FH	(60°-80°)	9089.3	39.2			G4/12000
FVH	(80°-90°)	386.9	1.7			G3/500
BL	(0°-30°)	797.8	3.4	B2/1000		
BM	(30°-60°)	757.5	3.3	B1/1000		
BH	(60°-80°)	427.0	1.8	B1/500		G1/500
BVH	(80°-90°)	3.4	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 III Medium



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Scaled Data Report

REPORT NUMBER: P323680
CATALOG NUMBER: GLEON-SA6B-830-U-SL3-HSS

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	58°	65°	75°	85°
0°	6854.4	6854.4	6854.4	6854.4	6854.4	6854.4	6854.4	6854.4	6854.4	6854.4	6854.4
2.5°	7422.7	7404.3	7397.6	7386.0	7341.6	7298.2	7212.3	7188.2	7134.2	7005.8	6869.8
5°	7428.4	7427.5	7447.7	7442.9	7427.5	7407.2	7345.5	7313.6	7222.0	7038.6	6789.7
7.5°	7070.5	7088.8	7134.2	7170.8	7213.3	7268.3	7276.0	7245.1	7169.9	6972.1	6642.1
10°	6590.0	6618.9	6682.6	6755.0	6865.9	6975.9	7074.3	7070.5	7044.4	6849.5	6464.5
12.5°	6108.5	6142.3	6215.6	6322.7	6480.0	6659.5	6835.1	6859.2	6902.6	6739.5	6300.5
15°	5686.9	5715.8	5788.2	5919.4	6114.3	6355.5	6613.1	6657.5	6769.4	6653.7	6163.5
17.5°	5328.9	5347.2	5400.3	5546.0	5771.8	6064.1	6398.9	6485.8	6652.7	6586.1	6044.8
20°	5079.0	5081.9	5116.6	5218.9	5444.7	5771.8	6177.0	6301.5	6529.2	6528.2	5922.3
22.5°	4955.5	4945.9	4952.6	5011.5	5177.4	5492.9	5955.1	6102.7	6418.2	6479.0	5797.8
25°	4932.4	4924.6	4905.3	4913.1	5013.4	5248.8	5731.3	5902.0	6320.8	6449.1	5689.8
27.5°	5004.7	5012.4	4979.6	4944.9	4952.6	5090.6	5532.5	5730.3	6241.7	6449.1	5613.5
30°	5150.4	5154.3	5130.2	5084.8	5024.0	5046.2	5394.5	5592.3	6202.1	6493.5	5565.3
32.5°	5311.5	5332.8	5329.9	5293.2	5206.4	5116.6	5361.7	5542.1	6199.2	6591.9	5560.5
35°	5511.3	5535.4	5575.9	5568.2	5477.5	5329.9	5473.6	5615.5	6256.1	6754.0	5612.6
37.5°	5723.5	5760.2	5847.0	5888.5	5829.7	5662.8	5724.5	5825.8	6408.6	7016.4	5744.8
40°	5929.1	5970.5	6128.8	6291.8	6247.5	6075.7	6104.7	6185.7	6679.7	7393.7	5995.6
42.5°	6130.7	6192.5	6425.0	6693.2	6746.3	6609.3	6624.7	6689.4	7082.1	7912.8	6405.7
45°	6371.9	6441.4	6785.8	7116.8	7258.6	7198.8	7264.4	7306.9	7607.9	8598.8	6958.6
47.5°	6726.0	6806.1	7228.7	7606.0	7854.9	7893.5	8025.7	8053.7	8272.7	9397.7	7679.3
50°	7416.9	7439.1	7821.1	8163.7	8522.6	8754.2	8904.7	8925.9	9077.4	10270.9	8579.5
52.5°	8286.2	8300.7	8516.8	8746.4	9154.6	9627.4	9979.5	10009.4	10041.3	11121.9	9468.2
55°	9149.7	9147.8	9290.6	9425.7	9892.7	10579.7	11343.8	11362.2	11133.5	11929.5	10147.4
57.5°	9689.1	9741.2	9958.3	10132.0	10784.2	11665.1	12725.5	12793.1	12280.7	12527.7	10819.0
60°	9517.4	9542.4	10023.9	10666.5	11894.8	13207.9	14123.6	14141.0	13143.3	13125.0	11668.0
62.5°	8108.7	8122.2	8878.6	10203.4	12457.3	15209.1	15810.2	15527.5	14135.2	13953.8	12684.0
65°	5557.6	5645.4	6277.4	7914.7	11423.9	16464.3	18421.1	17953.1	15647.1	15148.3	13602.6
67.5°	3272.8	3254.5	3567.1	4773.2	8390.4	15630.7	21723.8	21258.7	17709.0	15948.1	13333.4
70°	2235.6	2223.0	2342.7	2889.7	4736.5	12125.4	22762.9	23701.7	19529.7	15409.7	11475.1
72.5°	1595.9	1602.6	1779.2	2245.2	2973.7	7064.7	19575.0	21797.1	18959.5	13433.7	8722.3
75°	1083.5	1101.9	1354.7	1841.9	2607.0	3594.1	13891.1	16569.5	15438.7	9763.4	5013.4
77.5°	582.8	603.0	901.2	1484.0	2357.1	2497.1	8935.6	11403.7	9697.8	4389.1	1453.1
80°	243.1	254.7	421.6	1078.7	2036.8	2193.1	5257.5	6915.1	4132.5	865.5	324.2
82.5°	105.2	111.0	175.6	643.6	1522.5	1851.6	2783.6	3326.8	1252.4	190.1	163.1
85°	20.3	21.2	72.4	340.6	971.6	1044.9	1804.3	1768.6	562.5	82.0	118.7
87.5°	0.0	0.0	17.4	107.1	285.6	569.3	1100.9	1087.4	191.0	39.6	44.4
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: P323680
CATALOG NUMBER: GLEON-SA6B-830-U-SL3-HSS

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	6854.4	6854.4	6854.4	6854.4	6854.4	6854.4	6854.4	6854.4	6854.4	6854.4	6854.4
2.5°	6800.3	6733.7	6593.8	6421.1	6288.9	6143.3	6027.5	5880.8	5817.1	5820.0	5785.3
5°	6647.9	6510.9	6201.1	5810.4	5509.3	5198.7	4931.4	4665.1	4507.8	4456.7	4408.4
7.5°	6429.8	6212.7	5718.7	5116.6	4607.2	4109.3	3676.1	3295.0	3053.8	2936.1	2892.6
10°	6183.8	5878.9	5163.9	4370.8	3643.3	2969.8	2408.3	1920.1	1725.2	1593.0	1559.2
12.5°	5967.6	5554.7	4621.7	3605.7	2742.1	1929.7	1394.2	1090.3	958.1	906.0	897.3
15°	5764.1	5251.7	4099.7	2912.9	1898.8	1187.7	886.7	783.5	752.6	743.9	743.9
17.5°	5572.1	4963.2	3589.3	2230.8	1256.2	832.7	734.3	711.1	701.5	700.5	701.5
20°	5371.4	4674.7	3087.5	1634.5	877.1	705.3	678.3	665.8	662.9	662.9	662.9
22.5°	5179.4	4386.2	2599.3	1167.5	703.4	643.6	630.1	621.4	618.5	617.5	615.6
25°	4995.1	4112.2	2122.7	825.0	617.5	589.5	577.9	566.4	557.7	552.9	550.0
27.5°	4843.6	3868.1	1678.9	661.9	557.7	533.6	519.1	501.7	480.5	470.9	467.0
30°	4723.0	3645.2	1293.9	558.7	501.7	477.6	455.4	425.5	394.6	378.2	377.3
32.5°	4628.4	3426.2	982.2	494.0	451.6	421.6	389.8	352.2	316.5	298.1	297.2
35°	4582.1	3233.2	750.7	446.7	407.2	369.5	330.0	288.5	253.8	236.4	234.5
37.5°	4613.0	3070.2	585.7	407.2	369.5	326.1	279.8	236.4	205.5	190.1	189.1
40°	4725.9	2966.0	475.7	373.4	337.7	284.6	234.5	193.9	167.9	155.3	154.4
42.5°	4966.1	2927.4	406.2	345.4	306.8	246.0	194.9	160.2	136.0	127.4	125.4
45°	5367.5	2984.3	358.9	318.4	275.0	209.4	161.1	131.2	110.0	103.2	102.3
47.5°	5902.0	3133.9	325.2	292.4	246.0	176.6	134.1	106.1	89.7	83.0	82.0
50°	6590.9	3371.2	297.2	266.3	219.0	149.6	111.0	83.9	69.5	64.6	64.6
52.5°	7340.6	3653.9	272.1	242.2	192.0	124.5	89.7	64.6	55.0	49.2	49.2
55°	7960.1	3900.9	245.1	223.8	159.2	103.2	68.5	49.2	40.5	37.6	37.6
57.5°	8578.6	4164.3	214.2	192.0	127.4	83.9	52.1	36.7	29.9	28.0	28.0
60°	9380.4	4486.6	184.3	156.3	100.3	63.7	38.6	26.1	22.2	21.2	21.2
62.5°	10262.2	4675.7	157.3	125.4	78.2	47.3	28.0	17.4	16.4	16.4	15.4
65°	10801.6	4408.4	132.2	100.3	60.8	35.7	18.3	12.5	14.5	13.5	11.6
67.5°	10113.6	3451.3	108.1	78.2	47.3	27.0	11.6	8.7	15.4	12.5	9.6
70°	*8374.0*	*2416.0*	*83.9*	*55.0*	*37.6*	*23.2*	*7.7*	*5.8*	*16.4*	*12.5*	*7.7*
72.5°	6266.8	1617.1	66.6	36.7	28.0	20.3	6.8	2.9	14.5	10.6	6.8
75°	3424.3	651.3	53.1	23.2	17.4	14.5	4.8	1.9	9.6	7.7	4.8
77.5°	901.2	171.7	38.6	15.4	9.6	5.8	2.9	1.0	4.8	3.9	1.9
80°	229.6	66.6	25.1	10.6	6.8	2.9	0.0	0.0	1.0	0.0	0.0
82.5°	122.5	28.0	15.4	7.7	3.9	0.0	0.0	0.0	0.0	0.0	0.0
85°	92.6	18.3	8.7	4.8	1.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	35.7	5.8	2.9	0.0	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

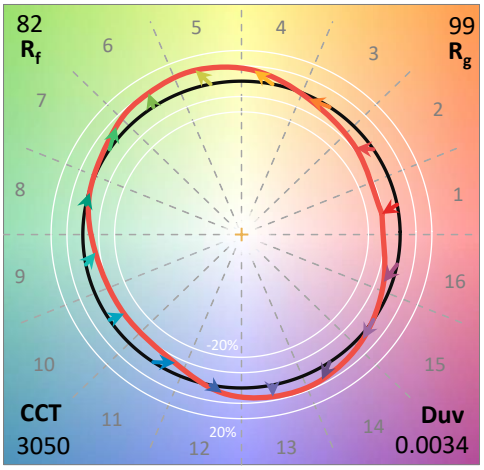
Test Information

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

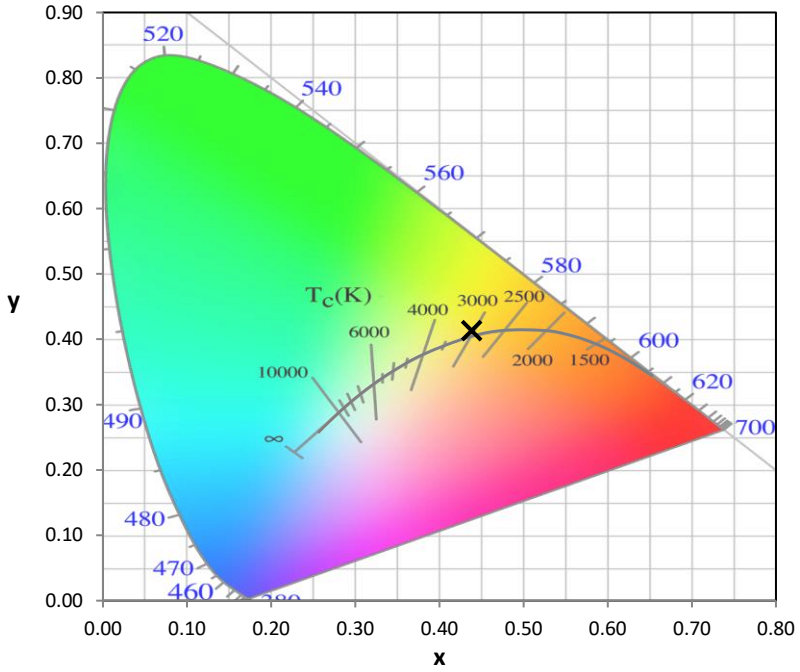
Stabilization Time:	20M
Operation Time:	1H 20M
Sphere Temperature (°C):	24.2

REPORT NUMBER: SP1-2408-195-9

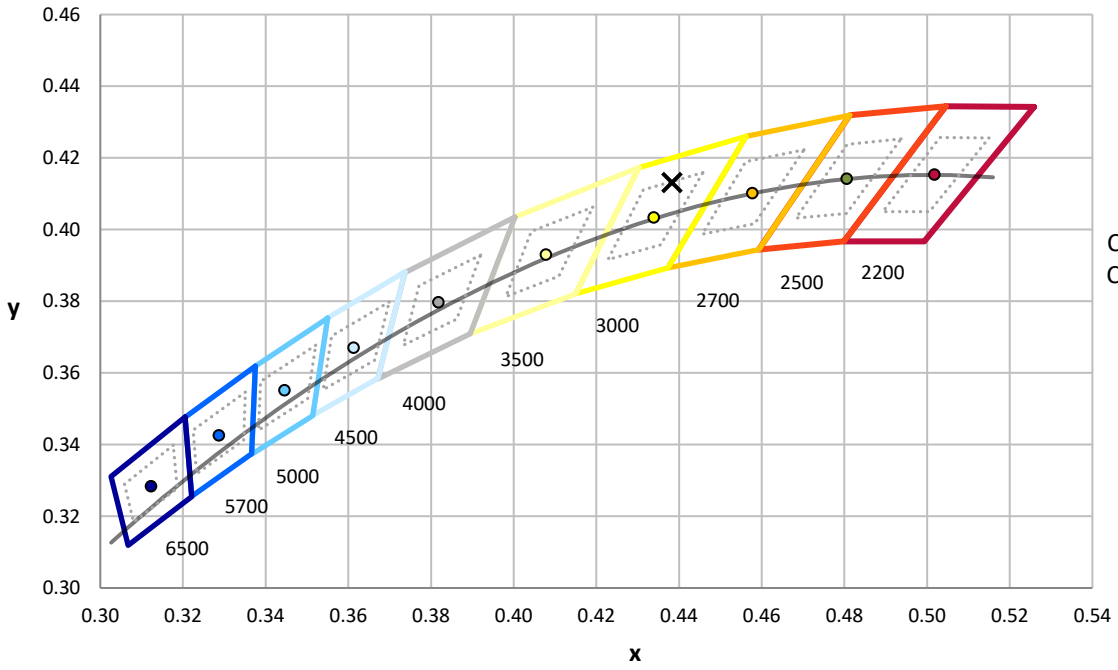
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

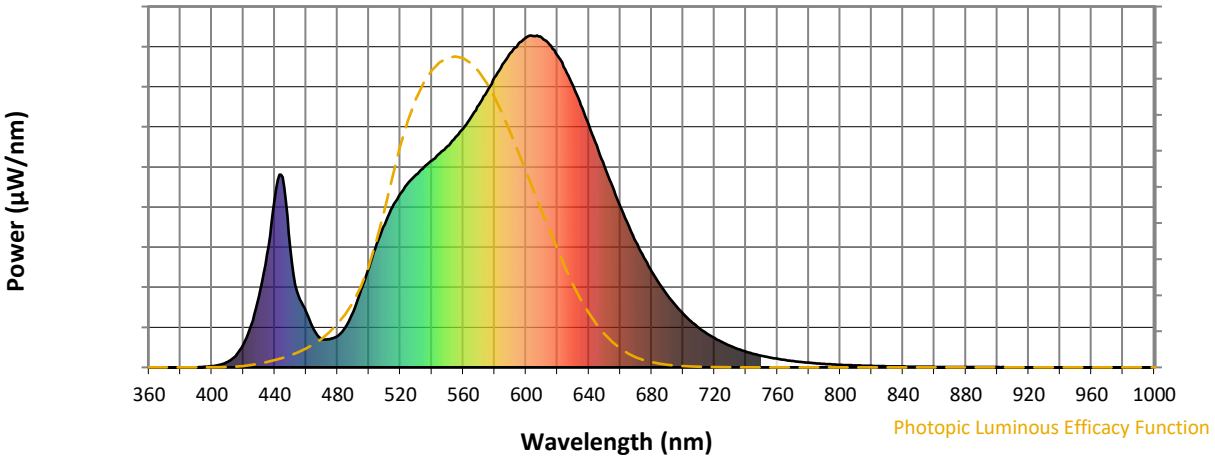


CCT = 3050K
CIE x = 0.4383
CIE y = 0.4131
Duv = 0.0034

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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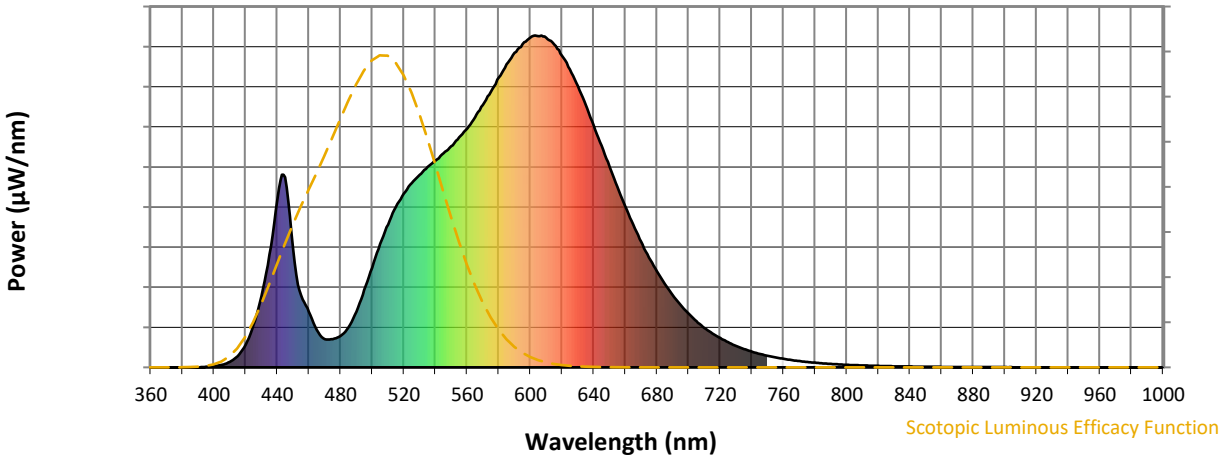
Scotopic Flux vs. Wavelength



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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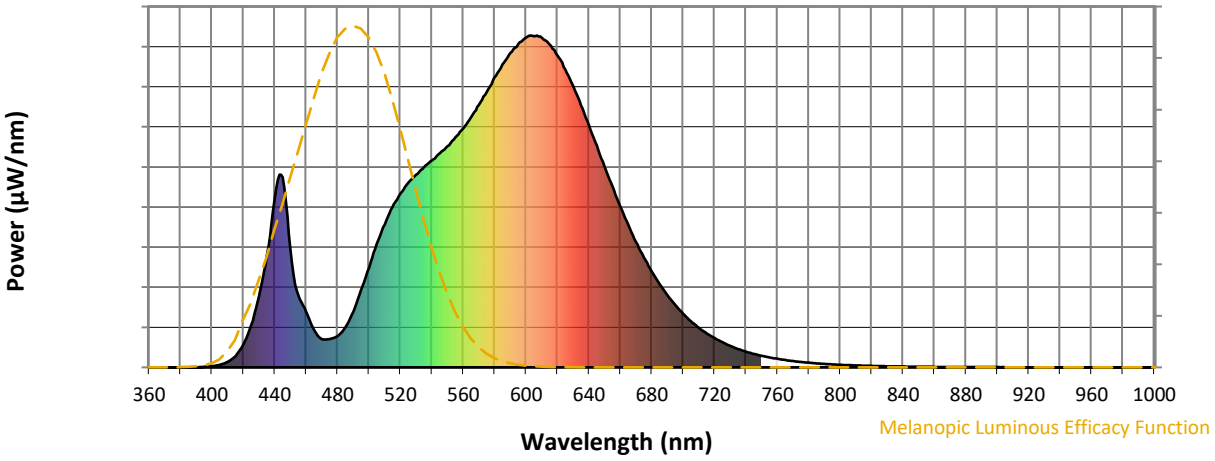
Melanopic Flux vs. Wavelength



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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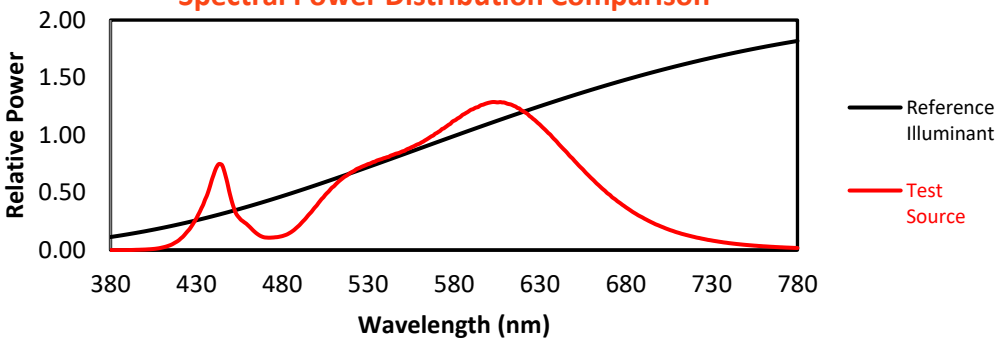
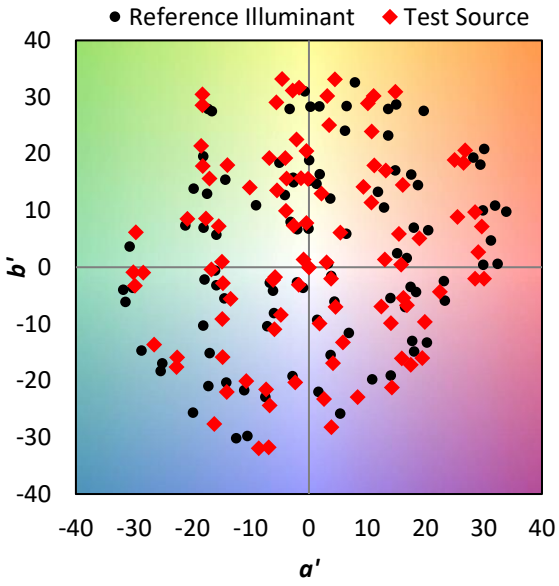
Summary

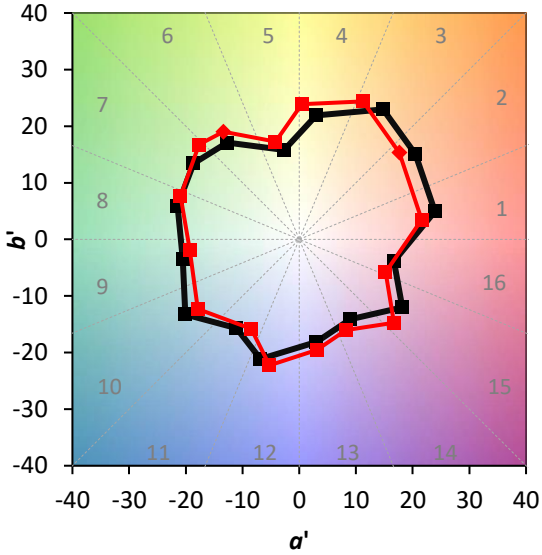
R_f = 81.5
R_g = 99.2
CIE R_a = 81.0
R_9 = 7.1

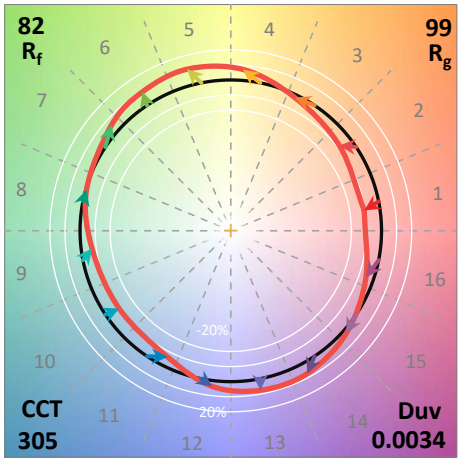
Spectral Power Distribution Comparison

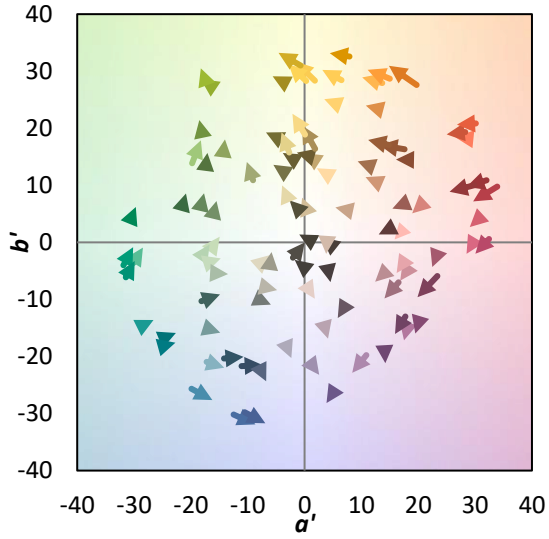


Color Vector Graphics









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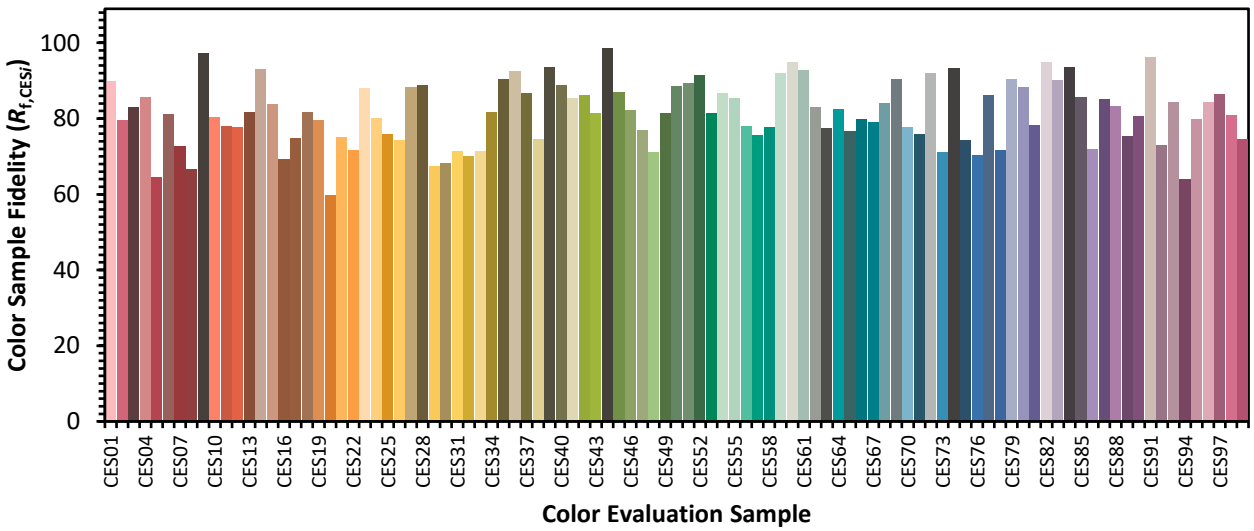
Individual Sample Fidelity Index ($R_{f,i}$)

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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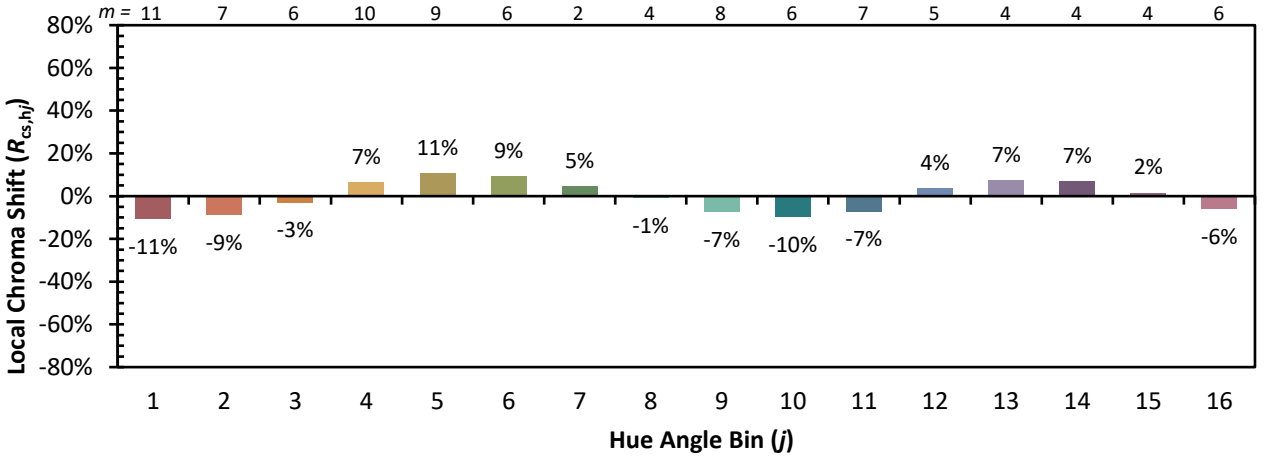
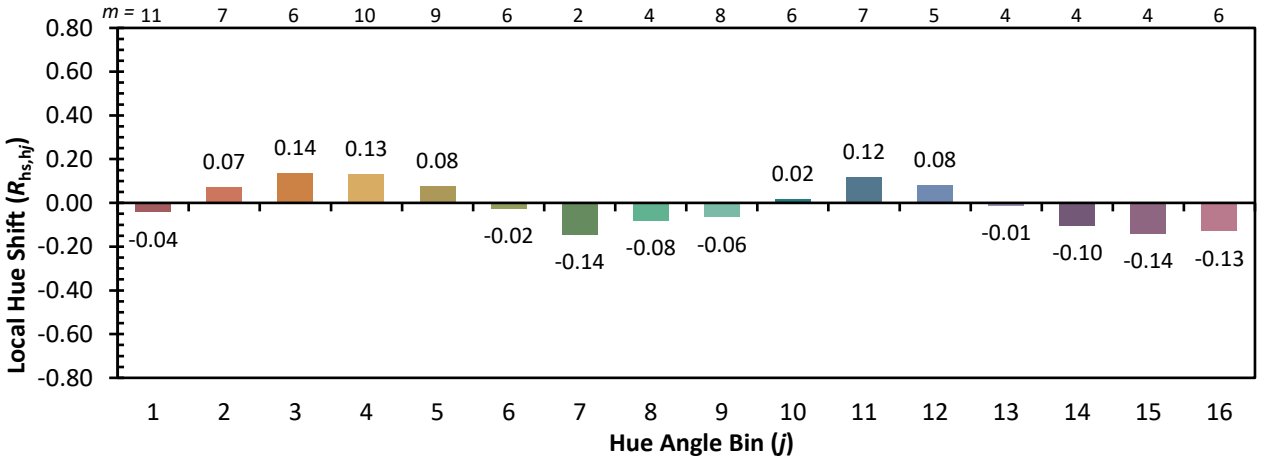
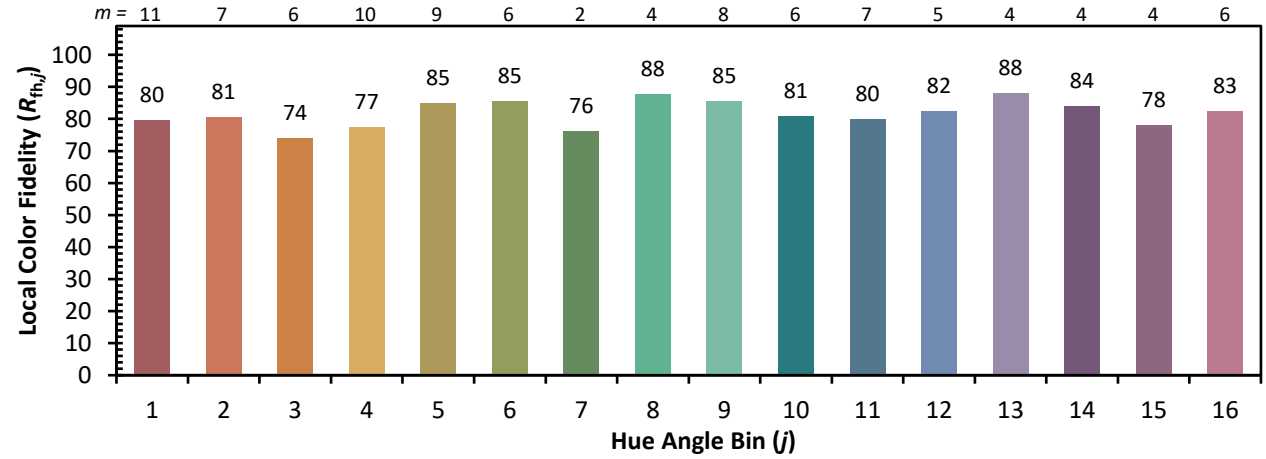
Color Rendition by Hue-Angle Bin







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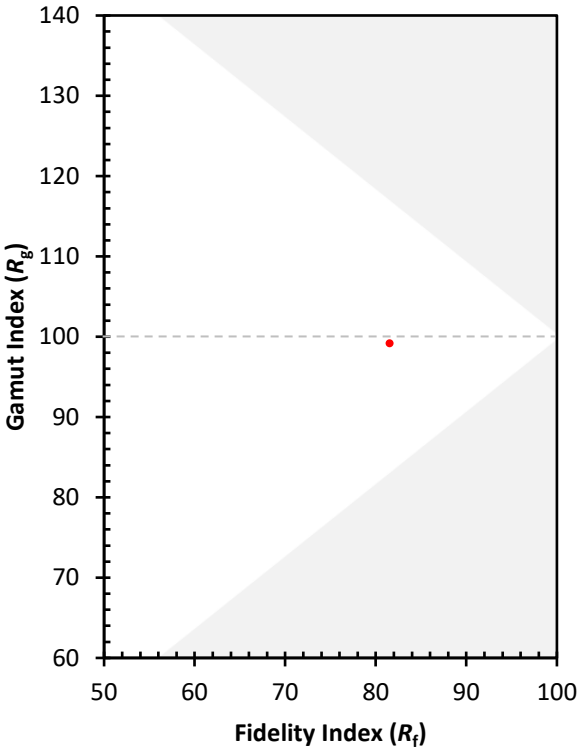
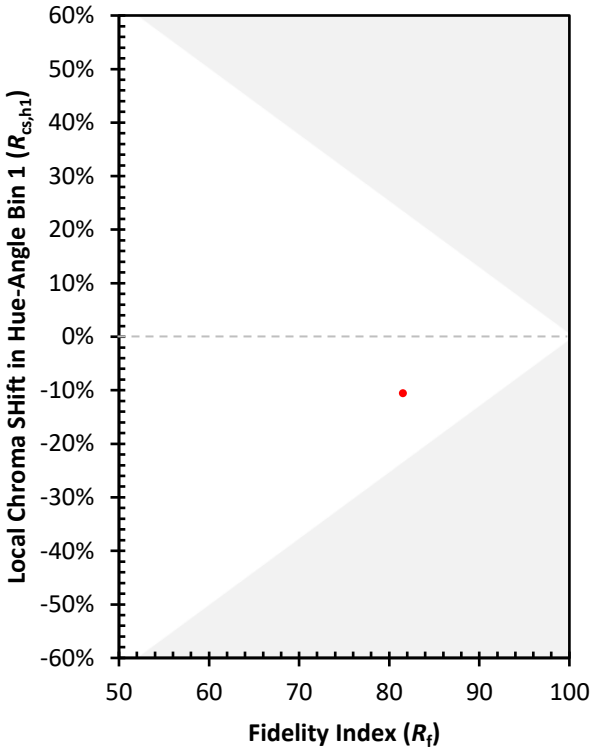
Measure Comparisons





(END OF REPORT)