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: P323669

Luminaire Tested: **GLEON-SA5A-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:	P323669
	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-SA5A-830-U-SL3-HSS
Description:	GALLEON AREA AND ROADWAY LUMINAIRE
	(5) 80 CRI, 3000K, 615mA 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:	15811 lumens
Efficiency:	N/A
Efficacy:	97.6 lumens/watt
Luminous Opening:	Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification:	Type III - Medium
BUG Rating:	B2 - U0 - G3

Input Watts (W):	162
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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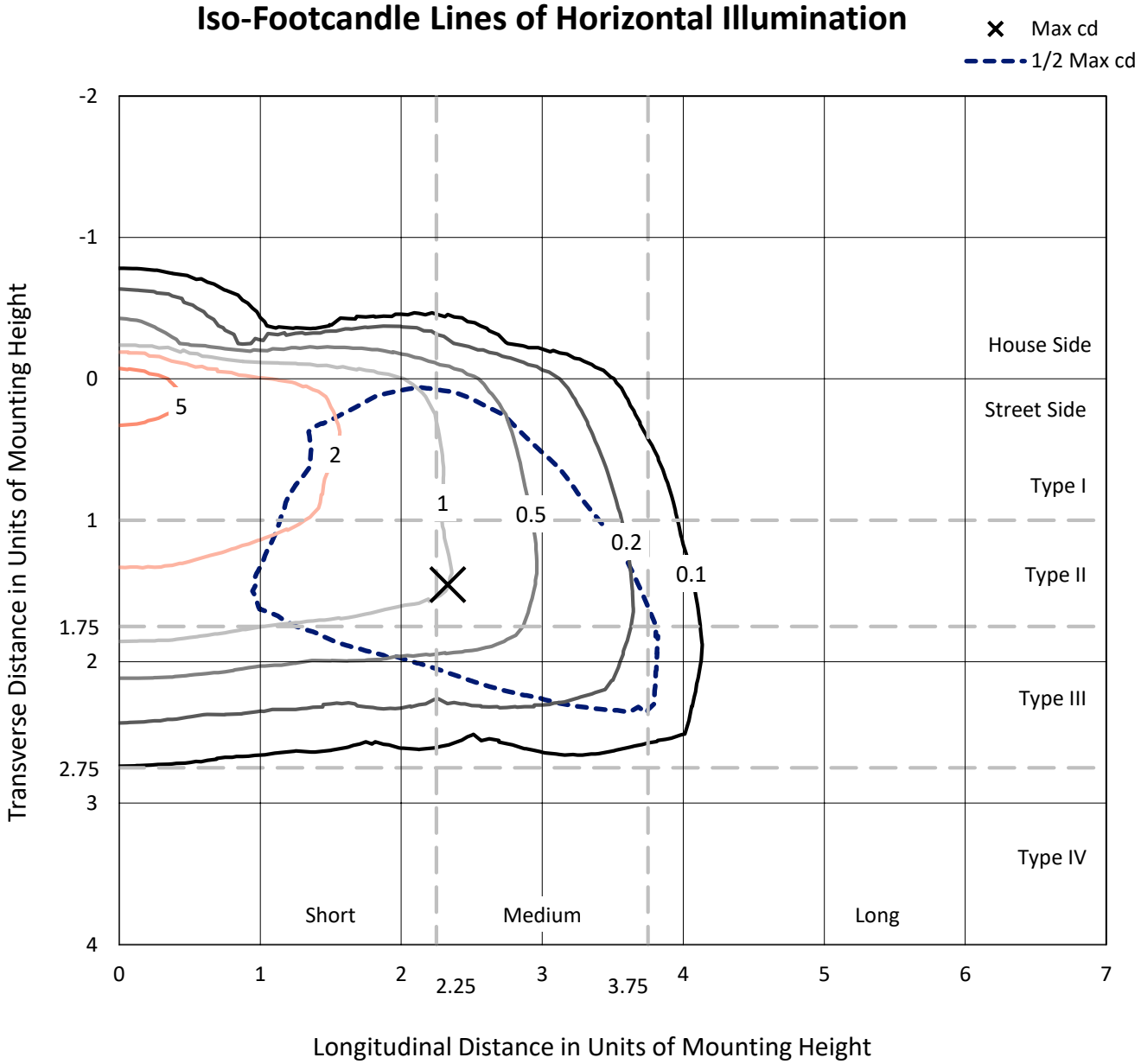
Scaled Data Report

REPORT NUMBER: P323669
CATALOG NUMBER: GLEON-SA5A-830-U-SL3-HSS

Iso-Footcandle Lines of Horizontal Illumination



Based on 25 foot mounting height. Maximum calculated value = 7.6 fc
Type III - Medium - N/A

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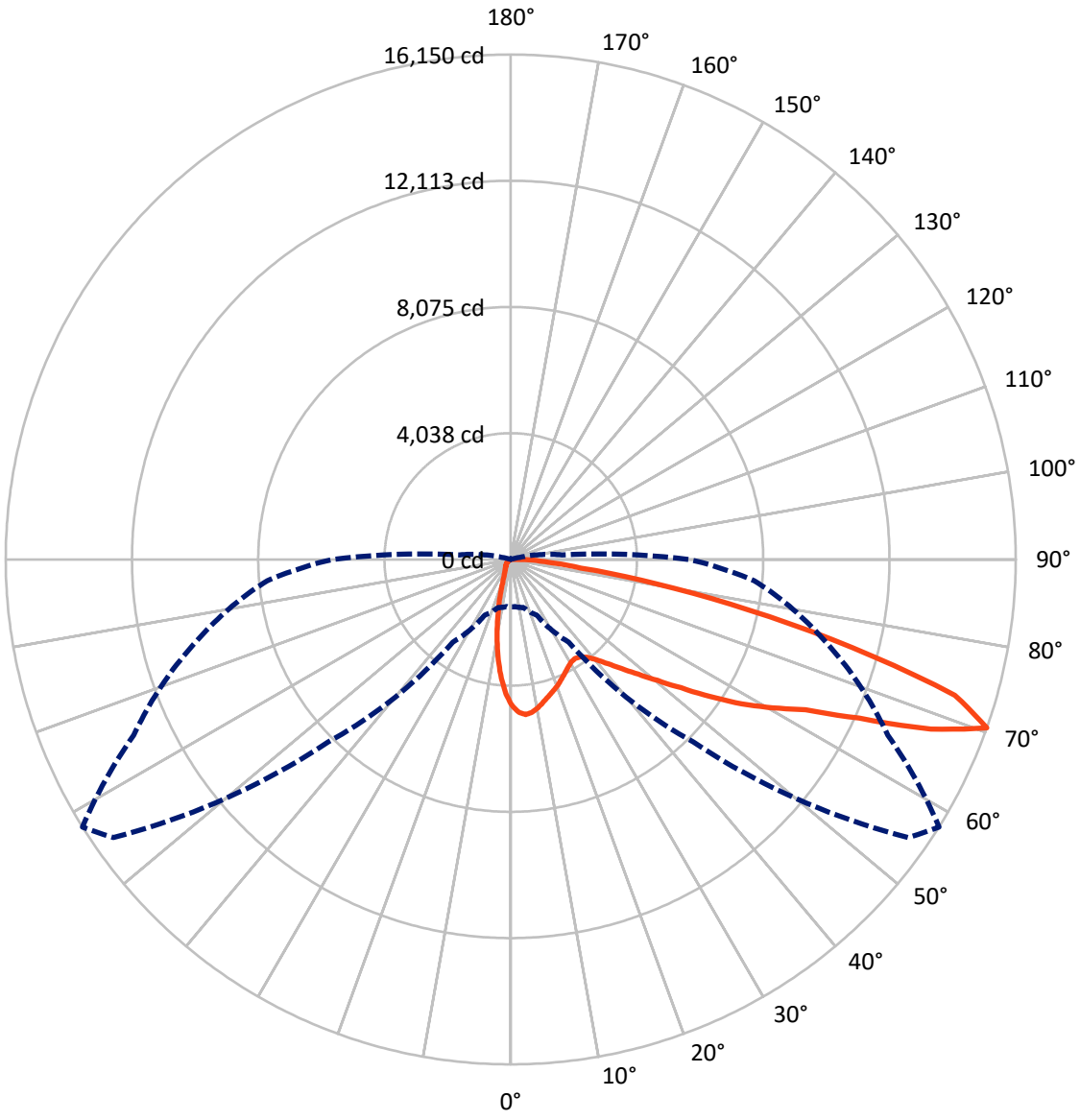
CATALOG NUMBER: GLEON-SA5A-830-U-SL3-HSS

Luminous Intensity Polar Plot



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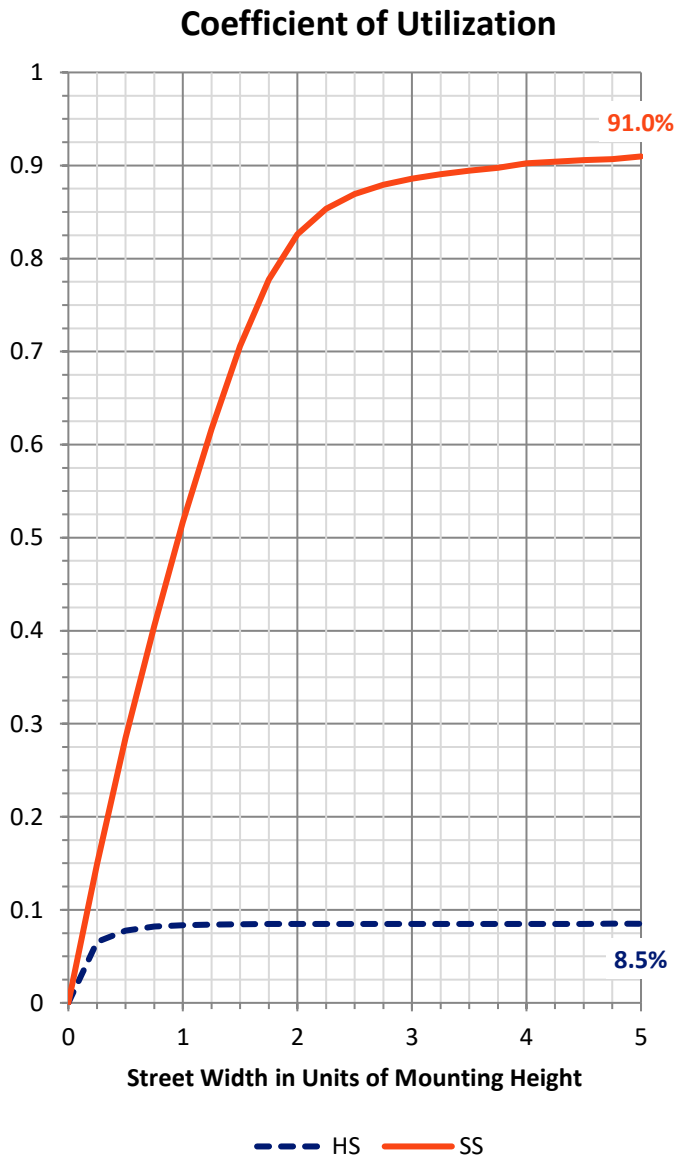
CATALOG NUMBER: GLEON-SA5A-830-U-SL3-HSS

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1353.1	0.0	1353.1
	% Fixture	8.6	0.0	8.6
Street Side	Lumens	14457.9	0.0	14457.9
	% Fixture	91.4	0.0	91.4
Total	Lumens	15811.0	0.0	15811.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	381.9	2.4
10°-20°	801.6	5.1
20°-30°	1053.8	6.7
30°-40°	1395.6	8.8
40°-50°	2086.0	13.2
50°-60°	3341.8	21.1
60°-70°	4212.3	26.6
70°-80°	2272.1	14.4
80°-90°	266.0	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°	15811.0	100.0
0°-180°	15811.0	100.0



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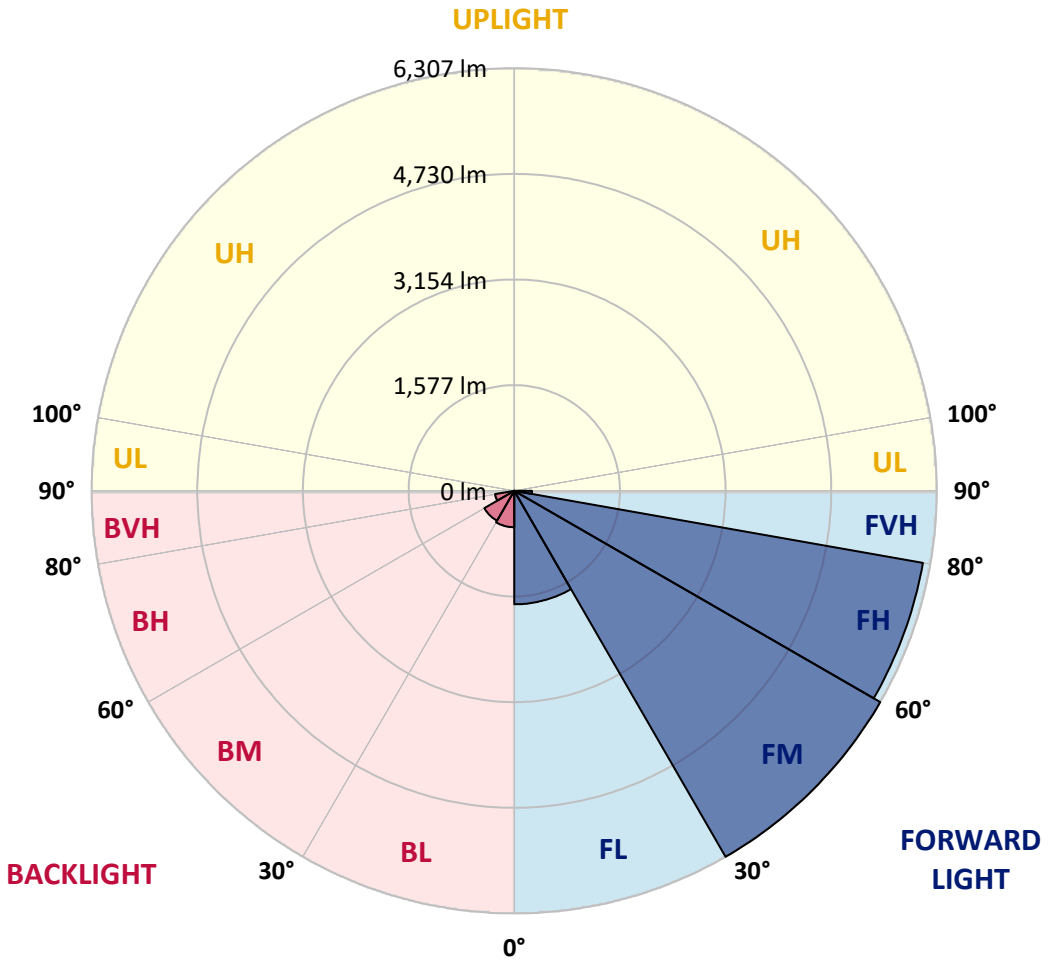
Scaled Data Report

REPORT NUMBER: P323669
CATALOG NUMBER: GLEON-SA5A-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°)	1693.7	10.7			
FM	(30°-60°)	6307.3	39.9			
FH	(60°-80°)	6193.3	39.2			G3/7500
FVH	(80°-90°)	263.7	1.7			G3/500
BL	(0°-30°)	543.6	3.4	B2/1000		
BM	(30°-60°)	516.2	3.3	B1/1000		
BH	(60°-80°)	291.0	1.8	B1/500		G1/500
BVH	(80°-90°)	2.3	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-G3
Type III Medium



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Scaled Data Report

REPORT NUMBER: P323669
CATALOG NUMBER: GLEON-SA5A-830-U-SL3-HSS

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	58°	65°	75°	85°
0°	4670.5	4670.5	4670.5	4670.5	4670.5	4670.5	4670.5	4670.5	4670.5	4670.5	4670.5
2.5°	5057.7	5045.2	5040.6	5032.7	5002.5	4972.9	4914.4	4898.0	4861.2	4773.7	4681.0
5°	5061.7	5061.0	5074.8	5071.5	5061.0	5047.2	5005.1	4983.4	4921.0	4796.1	4626.4
7.5°	4817.8	4830.3	4861.2	4886.1	4915.1	4952.5	4957.8	4936.8	4885.5	4750.7	4525.9
10°	4490.4	4510.1	4553.5	4602.8	4678.4	4753.3	4820.4	4817.8	4800.0	4667.2	4404.9
12.5°	4162.3	4185.3	4235.3	4308.2	4415.4	4537.7	4657.3	4673.8	4703.4	4592.3	4293.1
15°	3875.0	3894.7	3944.0	4033.4	4166.2	4330.6	4506.1	4536.4	4612.6	4533.7	4199.8
17.5°	3631.1	3643.6	3679.7	3779.0	3932.8	4132.0	4360.2	4419.4	4533.1	4487.7	4118.9
20°	3460.8	3462.8	3486.4	3556.1	3710.0	3932.8	4209.0	4293.8	4448.9	4448.3	4035.4
22.5°	3376.6	3370.1	3374.7	3414.8	3527.9	3742.8	4057.8	4158.3	4373.3	4414.7	3950.6
25°	3360.9	3355.6	3342.5	3347.7	3416.1	3576.5	3905.2	4021.6	4306.9	4394.4	3877.0
27.5°	3410.2	3415.4	3393.1	3369.4	3374.7	3468.7	3769.8	3904.6	4253.0	4394.4	3825.0
30°	3509.4	3512.1	3495.6	3464.7	3423.3	3438.4	3675.8	3810.6	4226.1	4424.6	3792.1
32.5°	3619.2	3633.7	3631.7	3606.7	3547.6	3486.4	3653.4	3776.4	4224.1	4491.7	3788.9
35°	3755.3	3771.8	3799.4	3794.1	3732.3	3631.7	3729.7	3826.3	4262.9	4602.1	3824.4
37.5°	3900.0	3925.0	3984.1	4012.4	3972.3	3858.5	3900.6	3969.7	4366.8	4780.9	3914.4
40°	4040.0	4068.3	4176.1	4287.2	4257.0	4139.9	4159.7	4214.9	4551.5	5038.0	4085.4
42.5°	4177.4	4219.5	4377.9	4560.7	4596.9	4503.5	4514.0	4558.1	4825.7	5391.7	4364.8
45°	4341.8	4389.1	4623.8	4849.3	4946.0	4905.2	4949.9	4978.8	5184.0	5859.2	4741.5
47.5°	4583.1	4637.6	4925.6	5182.6	5352.3	5378.6	5468.6	5487.7	5636.9	6403.5	5232.6
50°	5053.8	5068.9	5329.3	5562.6	5807.2	5965.0	6067.6	6082.0	6185.2	6998.5	5846.0
52.5°	5646.1	5656.0	5803.3	5959.7	6237.8	6560.0	6800.0	6820.3	6842.0	7578.4	6451.5
55°	6234.6	6233.2	6330.5	6422.6	6740.8	7208.9	7729.6	7742.1	7586.3	8128.7	6914.4
57.5°	6602.1	6637.6	6785.5	6903.8	7348.3	7948.5	8671.1	8717.1	8368.0	8536.3	7371.9
60°	6485.0	6502.1	6830.2	7268.1	8105.0	8999.8	9623.7	9635.5	8955.7	8943.2	7950.5
62.5°	5525.2	5534.4	6049.8	6952.5	8488.3	10363.3	10772.9	10580.3	9631.6	9508.0	8642.8
65°	3786.9	3846.7	4277.3	5393.0	7784.2	11218.7	12552.0	12233.1	10661.8	10321.9	9268.7
67.5°	2230.1	2217.6	2430.6	3252.4	5717.1	10650.6	14802.4	14485.5	12066.8	10866.9	9085.2
70°	1523.3	1514.8	1596.3	1969.1	3227.4	8262.1	15510.5	16150.2	13307.4	10500.1	7819.0
72.5°	1087.4	1092.0	1212.3	1529.9	2026.2	4813.8	13338.3	14852.4	12918.8	9153.6	5943.3
75°	738.3	750.8	923.1	1255.1	1776.4	2449.0	9465.2	11290.3	10519.8	6652.7	3416.1
77.5°	397.1	410.9	614.1	1011.2	1606.1	1701.5	6088.6	7770.4	6608.0	2990.7	990.1
80°	165.7	173.6	287.3	735.0	1387.9	1494.4	3582.4	4711.9	2815.8	589.7	220.9
82.5°	71.7	75.6	119.7	438.5	1037.4	1261.6	1896.7	2266.9	853.4	129.5	111.1
85°	13.8	14.5	49.3	232.1	662.0	712.0	1229.4	1205.1	383.3	55.9	80.9
87.5°	0.0	0.0	11.8	73.0	194.6	387.9	750.1	740.9	130.2	27.0	30.2
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: P323669
CATALOG NUMBER: GLEON-SA5A-830-U-SL3-HSS

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	4670.5	4670.5	4670.5	4670.5	4670.5	4670.5	4670.5	4670.5	4670.5	4670.5	4670.5
2.5°	4633.7	4588.3	4493.0	4375.3	4285.2	4186.0	4107.1	4007.1	3963.7	3965.7	3942.0
5°	4529.8	4436.4	4225.4	3959.1	3754.0	3542.3	3360.2	3178.8	3071.6	3036.7	3003.9
7.5°	4381.2	4233.3	3896.7	3486.4	3139.3	2800.1	2504.9	2245.2	2080.8	2000.6	1971.0
10°	4213.6	4005.8	3518.6	2978.2	2482.5	2023.6	1641.0	1308.3	1175.5	1085.4	1062.4
12.5°	4066.3	3784.9	3149.2	2456.9	1868.5	1314.9	950.0	742.9	652.8	617.3	611.4
15°	3927.6	3578.5	2793.5	1984.8	1293.9	809.3	604.2	533.8	512.8	506.9	506.9
17.5°	3796.7	3381.9	2445.7	1520.0	856.0	567.4	500.3	484.5	478.0	477.3	478.0
20°	3660.0	3185.3	2103.8	1113.7	597.6	480.6	462.2	453.6	451.7	451.7	451.7
22.5°	3529.2	2988.7	1771.2	795.5	479.3	438.5	429.3	423.4	421.4	420.8	419.5
25°	3403.6	2802.0	1446.4	562.1	420.8	401.7	393.8	385.9	380.0	376.7	374.7
27.5°	3300.4	2635.7	1144.0	451.0	380.0	363.6	353.7	341.9	327.4	320.8	318.2
30°	3218.2	2483.8	881.6	380.7	341.9	325.4	310.3	289.9	268.9	257.7	257.1
32.5°	3153.8	2334.6	669.3	336.6	307.7	287.3	265.6	240.0	215.6	203.2	202.5
35°	3122.2	2203.1	511.5	304.4	277.4	251.8	224.8	196.6	172.9	161.1	159.8
37.5°	3143.2	2092.0	399.1	277.4	251.8	222.2	190.7	161.1	140.0	129.5	128.9
40°	3220.2	2021.0	324.1	254.4	230.1	193.9	159.8	132.1	114.4	105.8	105.2
42.5°	3383.9	1994.7	276.8	235.4	209.1	167.6	132.8	109.1	92.7	86.8	85.5
45°	3657.4	2033.5	244.6	217.0	187.4	142.7	109.8	89.4	74.9	70.3	69.7
47.5°	4021.6	2135.4	221.6	199.2	167.6	120.3	91.4	72.3	61.1	56.5	55.9
50°	4491.0	2297.1	202.5	181.5	149.2	101.9	75.6	57.2	47.3	44.0	44.0
52.5°	5001.8	2489.7	185.4	165.0	130.8	84.8	61.1	44.0	37.5	33.5	33.5
55°	5423.9	2658.1	167.0	152.5	108.5	70.3	46.7	33.5	27.6	25.6	25.6
57.5°	5845.4	2837.5	146.0	130.8	86.8	57.2	35.5	25.0	20.4	19.1	19.1
60°	6391.7	3057.1	125.6	106.5	68.4	43.4	26.3	17.8	15.1	14.5	14.5
62.5°	6992.6	3186.0	107.2	85.5	53.3	32.2	19.1	11.8	11.2	11.2	10.5
65°	7360.1	3003.9	90.1	68.4	41.4	24.3	12.5	8.5	9.9	9.2	7.9
67.5°	6891.3	2351.7	73.6	53.3	32.2	18.4	7.9	5.9	10.5	8.5	6.6
70°	*5706.0*	*1646.2*	*57.2*	*37.5*	*25.6*	*15.8*	*5.3*	*3.9*	*11.2*	*8.5*	*5.3*
72.5°	4270.1	1101.9	45.4	25.0	19.1	13.8	4.6	2.0	9.9	7.2	4.6
75°	2333.3	443.8	36.2	15.8	11.8	9.9	3.3	1.3	6.6	5.3	3.3
77.5°	614.1	117.0	26.3	10.5	6.6	3.9	2.0	0.7	3.3	2.6	1.3
80°	156.5	45.4	17.1	7.2	4.6	2.0	0.0	0.0	0.7	0.0	0.0
82.5°	83.5	19.1	10.5	5.3	2.6	0.0	0.0	0.0	0.0	0.0	0.0
85°	63.1	12.5	5.9	3.3	0.7	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	24.3	3.9	2.0	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

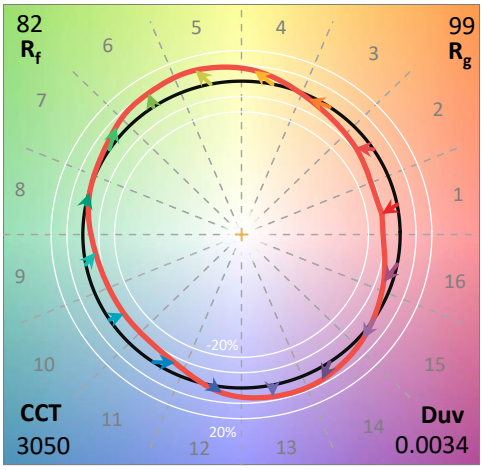
Test Information

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

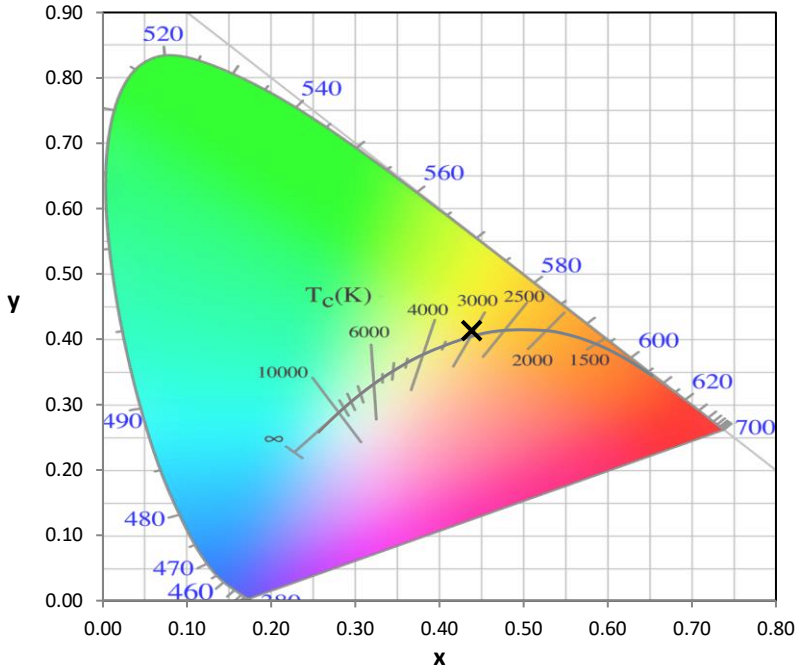
Stabilization Time:	20M
Operation Time:	1H 20M
Sphere Temperature (°C):	24.2

REPORT NUMBER: SP1-2408-195-9

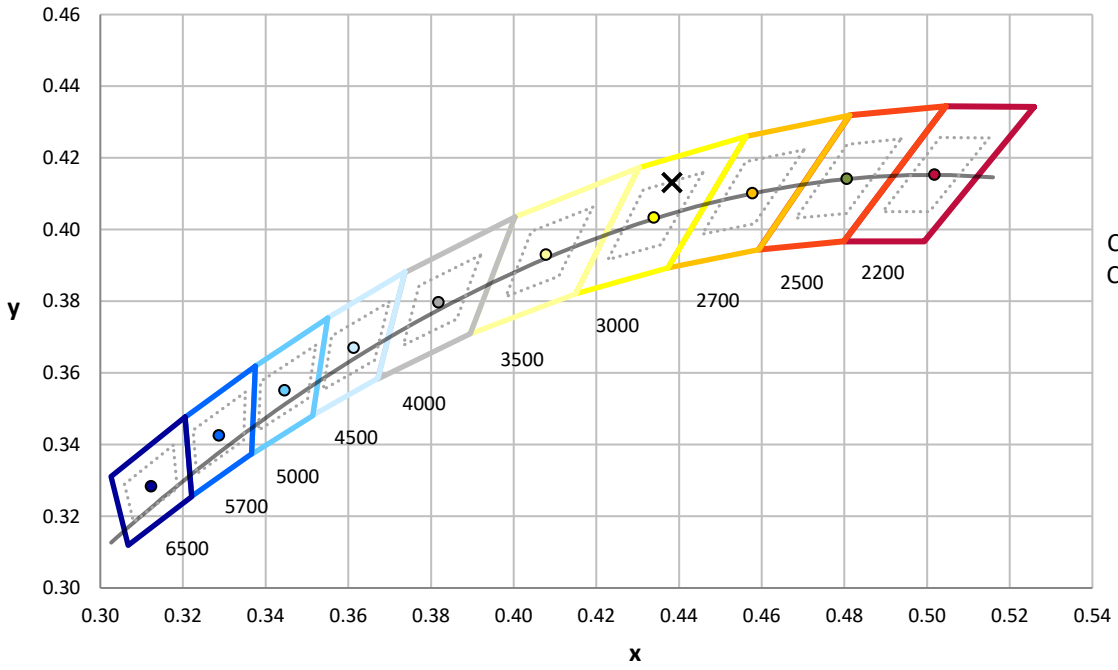
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

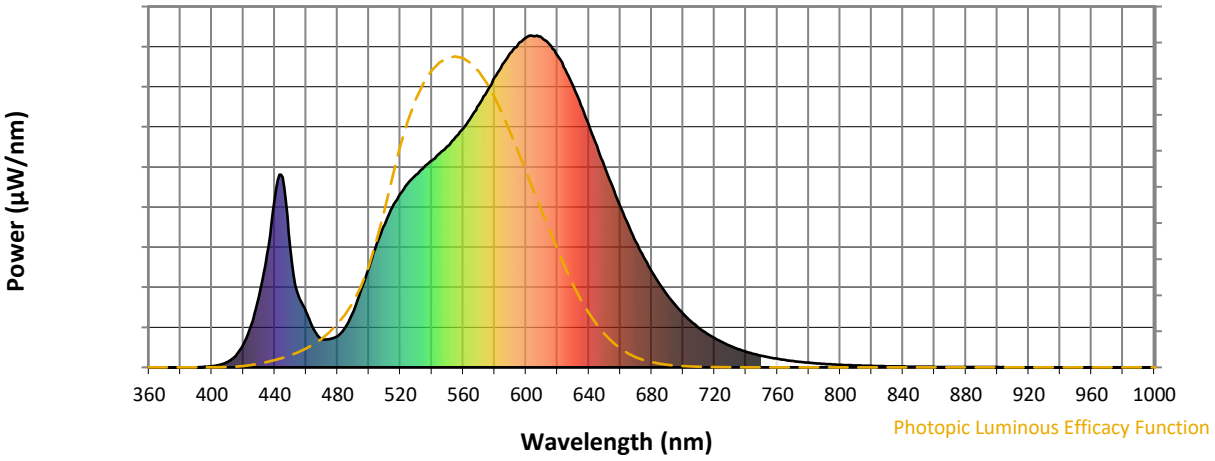


CCT = 3050K
CIE x = 0.4383
CIE y = 0.4131
Duv = 0.0034

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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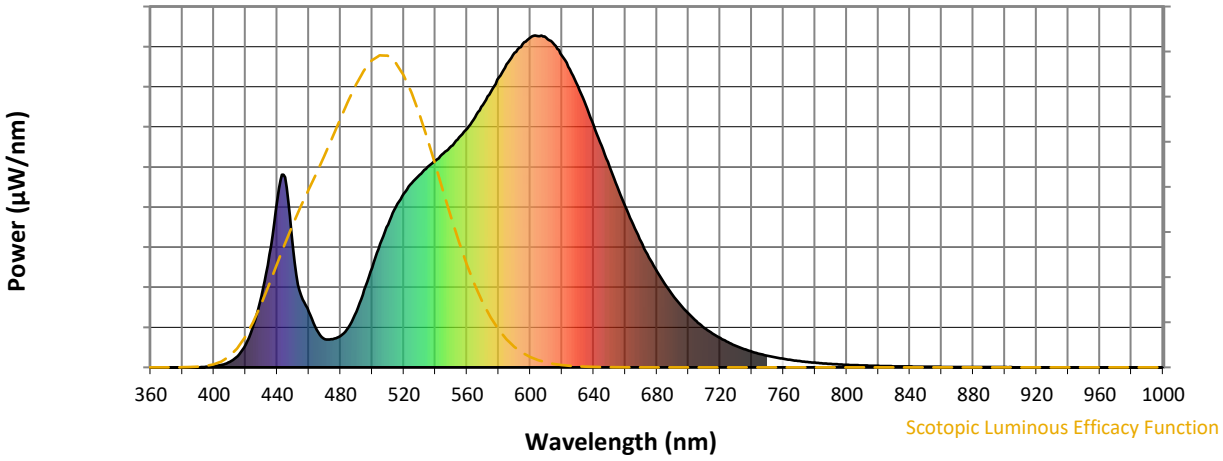
Scotopic Flux vs. Wavelength



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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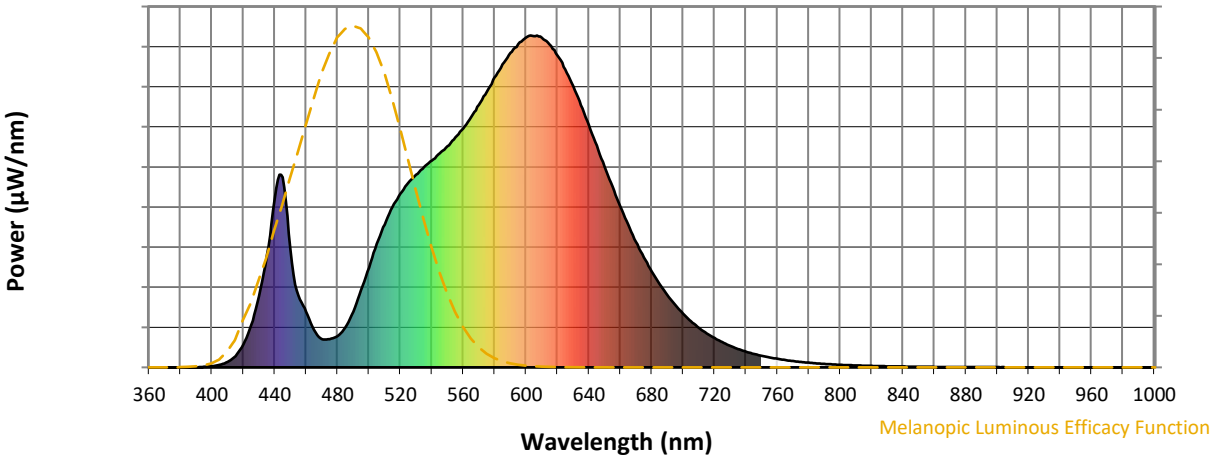
Melanopic Flux vs. Wavelength



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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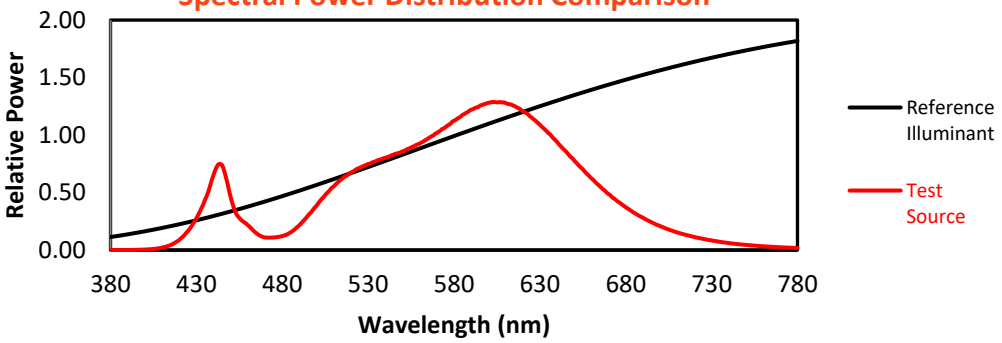
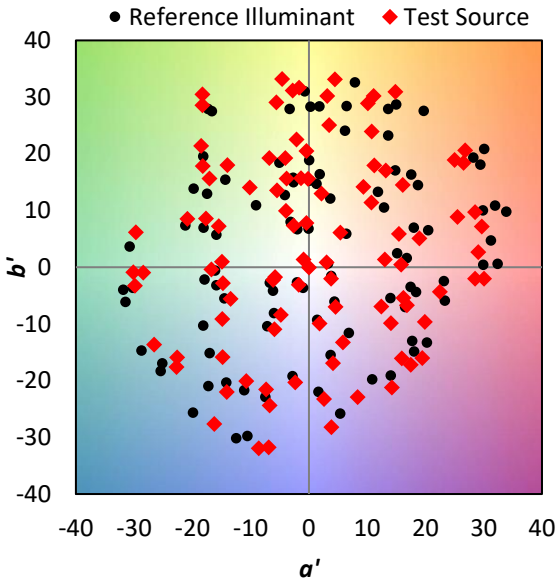
Summary

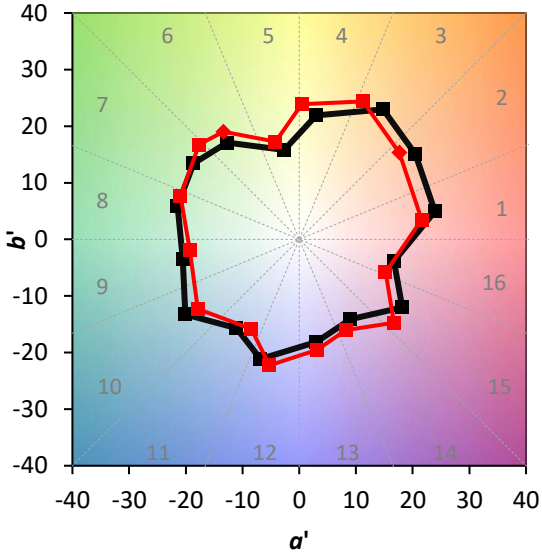
R_f = 81.5
R_g = 99.2
CIE R_a = 81.0
R_9 = 7.1

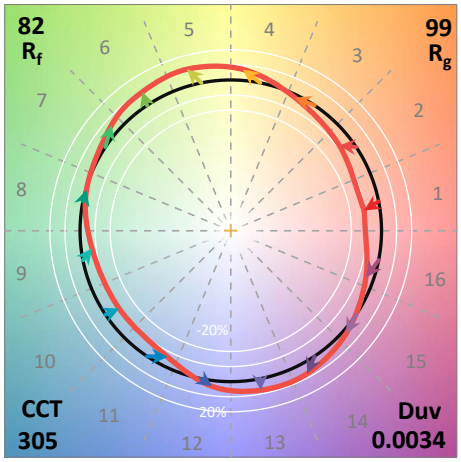
Spectral Power Distribution Comparison

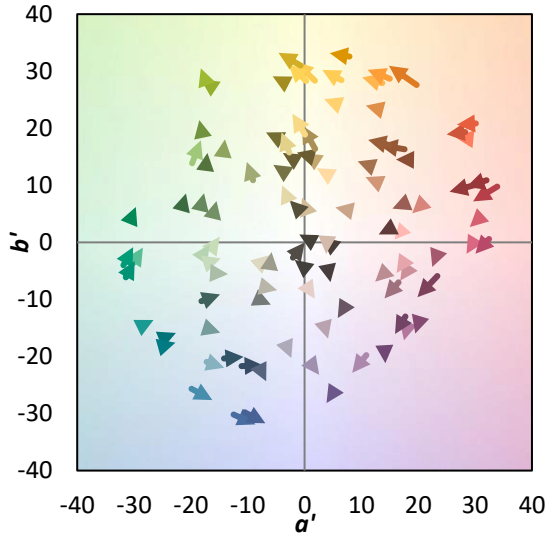


Color Vector Graphics









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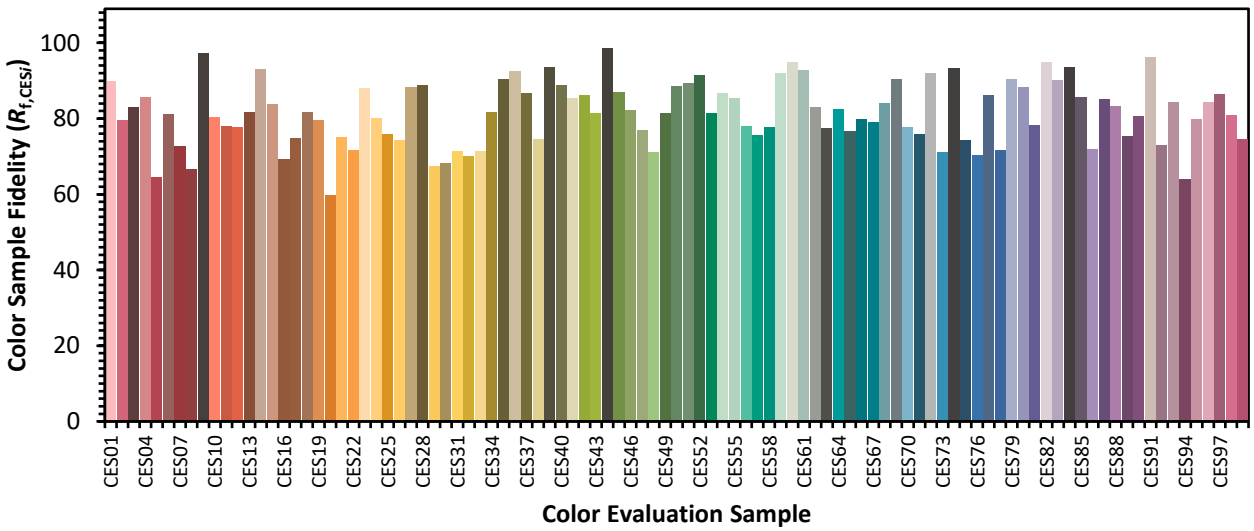
Individual Sample Fidelity Index ($R_{f,i}$)

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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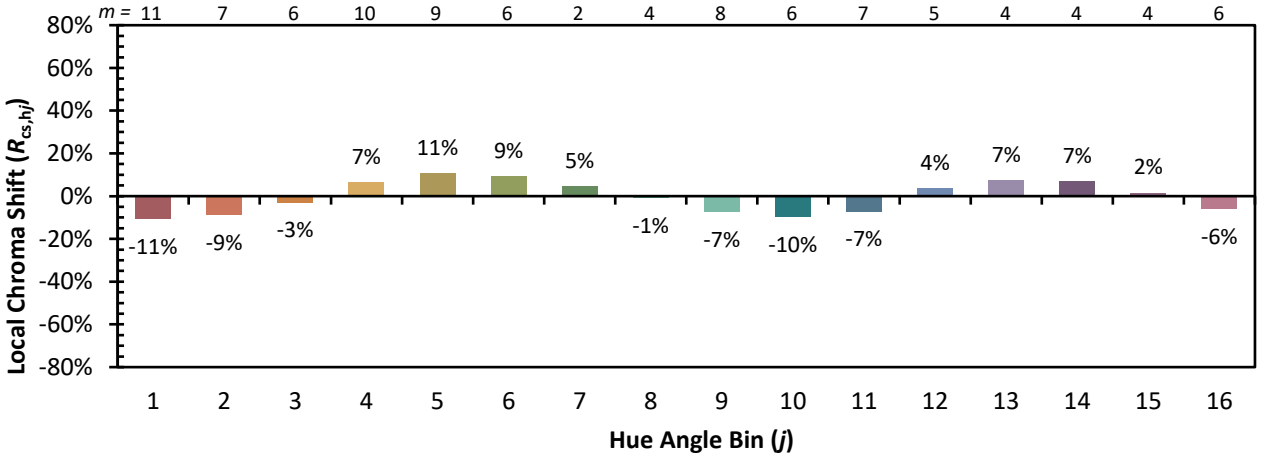
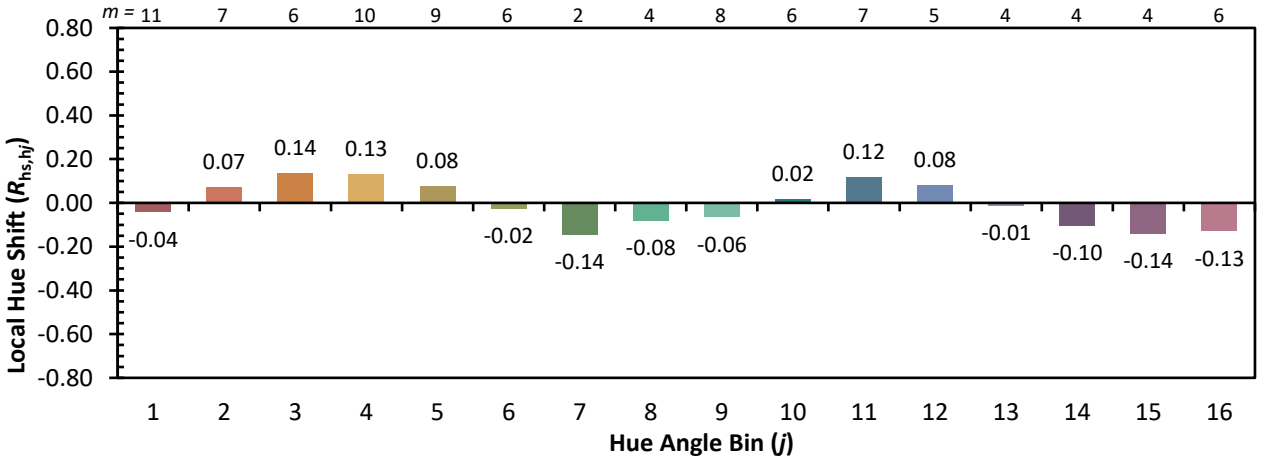
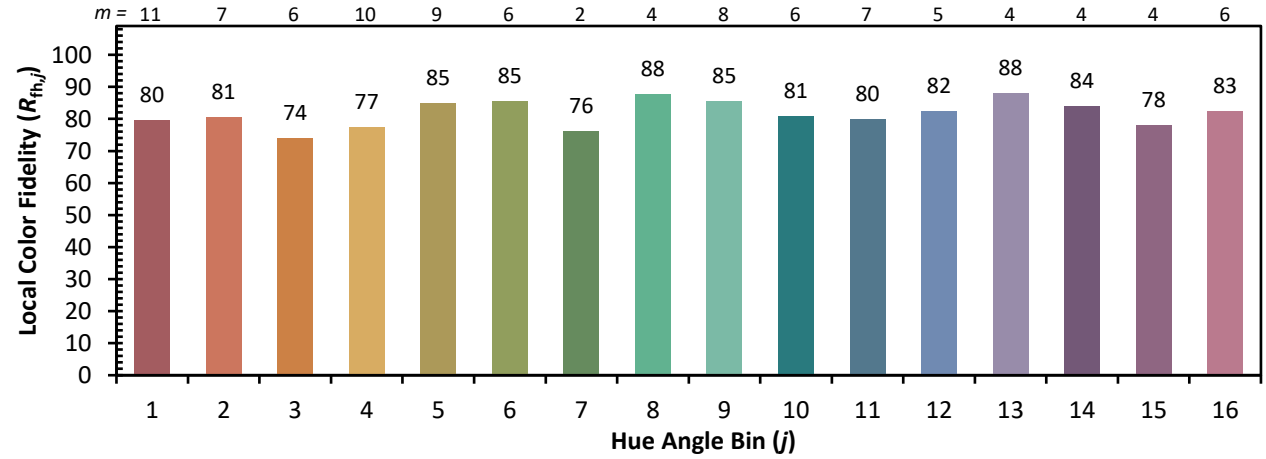
Color Rendition by Hue-Angle Bin







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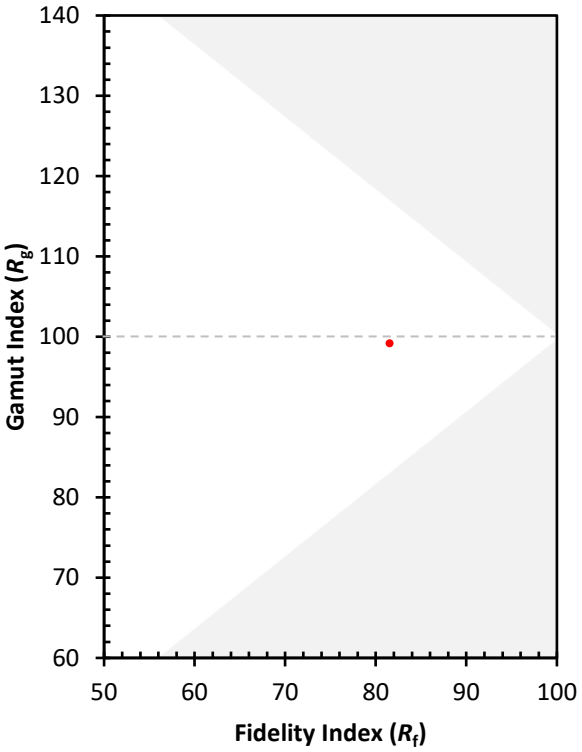
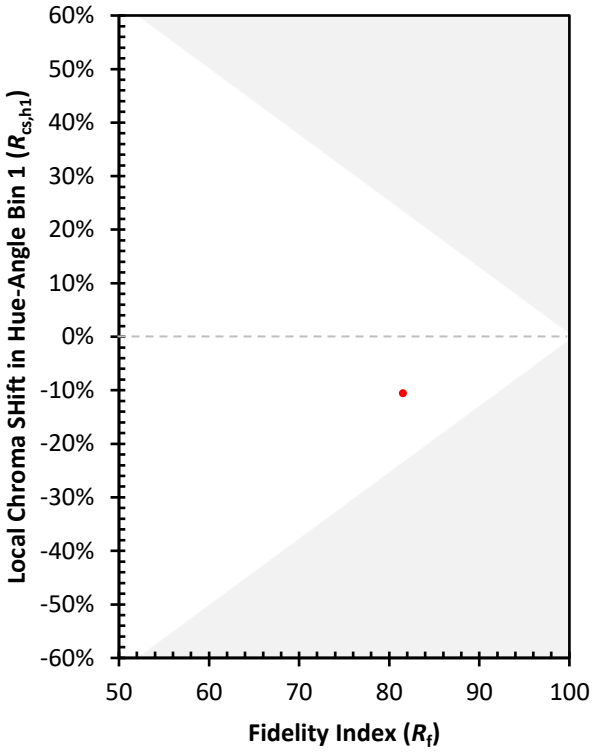
Measure Comparisons





(END OF REPORT)