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: P323999

Luminaire Tested: **GLEON-SA5B-830-U-SL4-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:	P323999
	TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-25)
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-SL4-HSS
Description:	GALLEON AREA AND ROADWAY LUMINAIRE
	(5) 80 CRI, 3000K, 800mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE IV SPILL LIGHT ELIMINATOR OPTICS WITH HOUSE SIDE SHIELD
Light Source:	-
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	18421 lumens
Efficiency:	N/A
Efficacy:	87.7 lumens/watt
Luminous Opening:	Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification:	Type IV - Short
BUG Rating:	B2 - 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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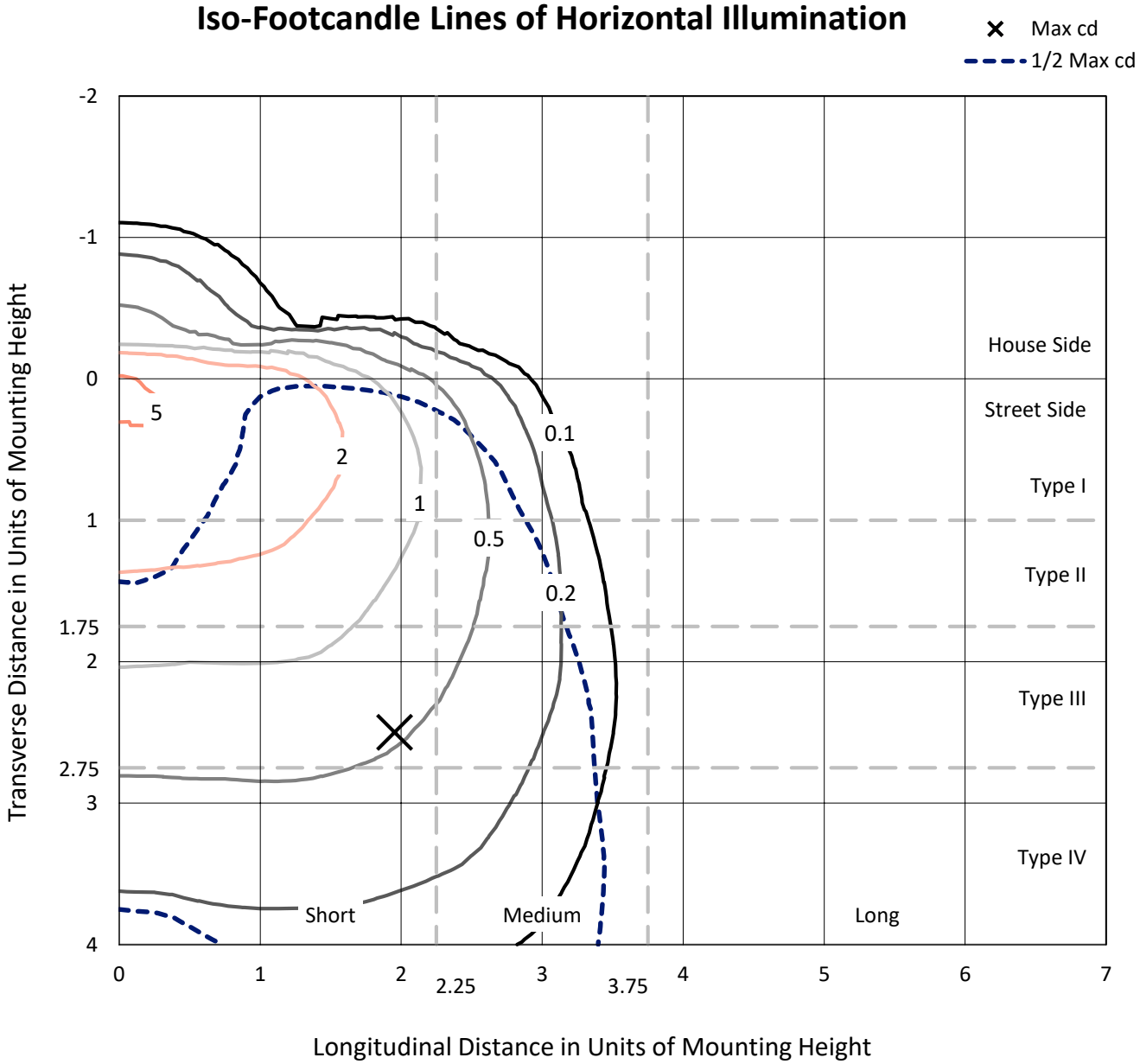
Scaled Data Report

REPORT NUMBER: P323999
CATALOG NUMBER: GLEON-SA5B-830-U-SL4-HSS

Iso-Footcandle Lines of Horizontal Illumination



Based on 25 foot mounting height. Maximum calculated value = 5.7 fc
Type IV - Short - N/A

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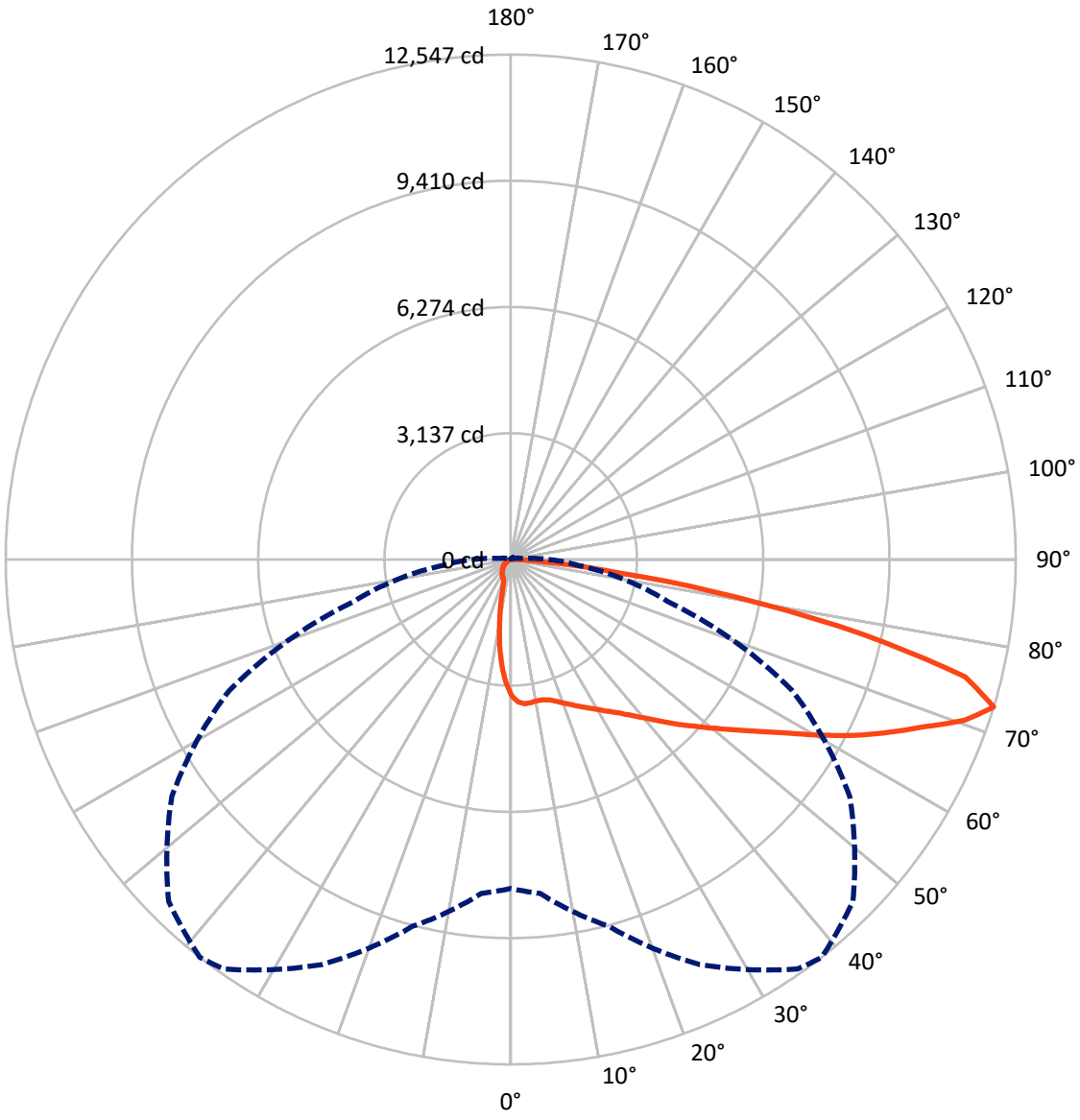
Luminous Intensity Polar Plot



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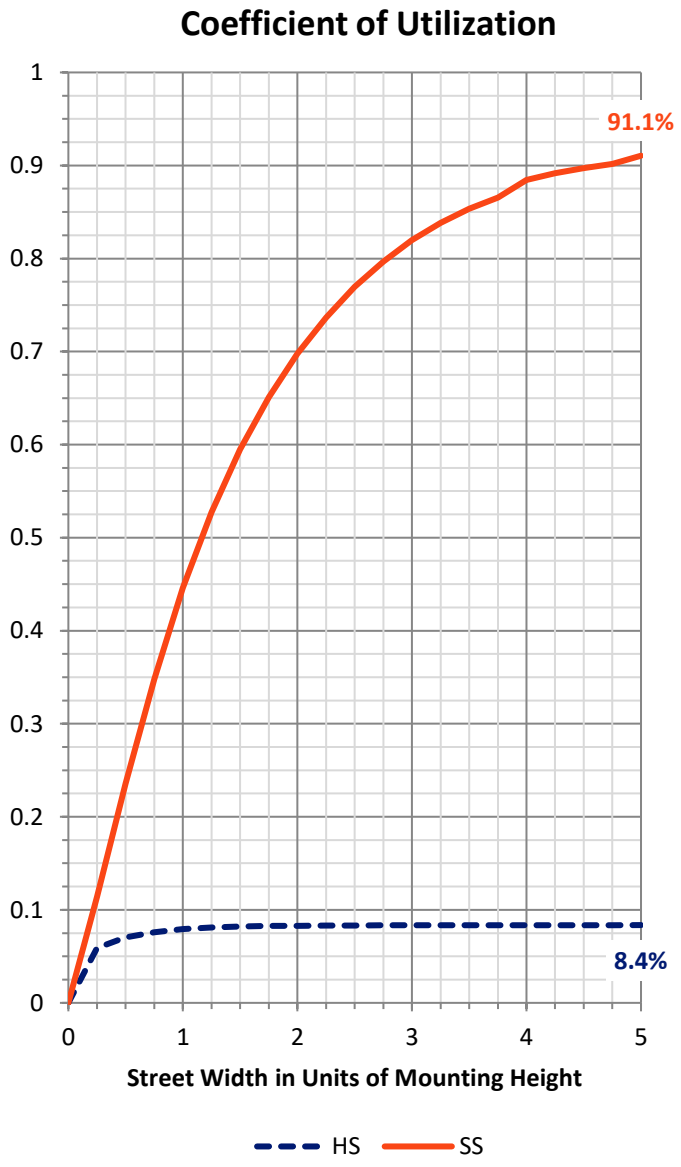
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1550.2	0.0	1550.2
	% Fixture	8.4	0.0	8.4
Street Side	Lumens	16870.8	0.0	16870.8
	% Fixture	91.6	0.0	91.6
Total	Lumens	18421.0	0.0	18421.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	288.7	1.6
10°-20°	705.9	3.8
20°-30°	1122.7	6.1
30°-40°	1687.9	9.2
40°-50°	2575.0	14.0
50°-60°	3639.3	19.8
60°-70°	4564.9	24.8
70°-80°	3413.3	18.5
80°-90°	423.2	2.3
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°	18421.0	100.0
0°-180°	18421.0	100.0



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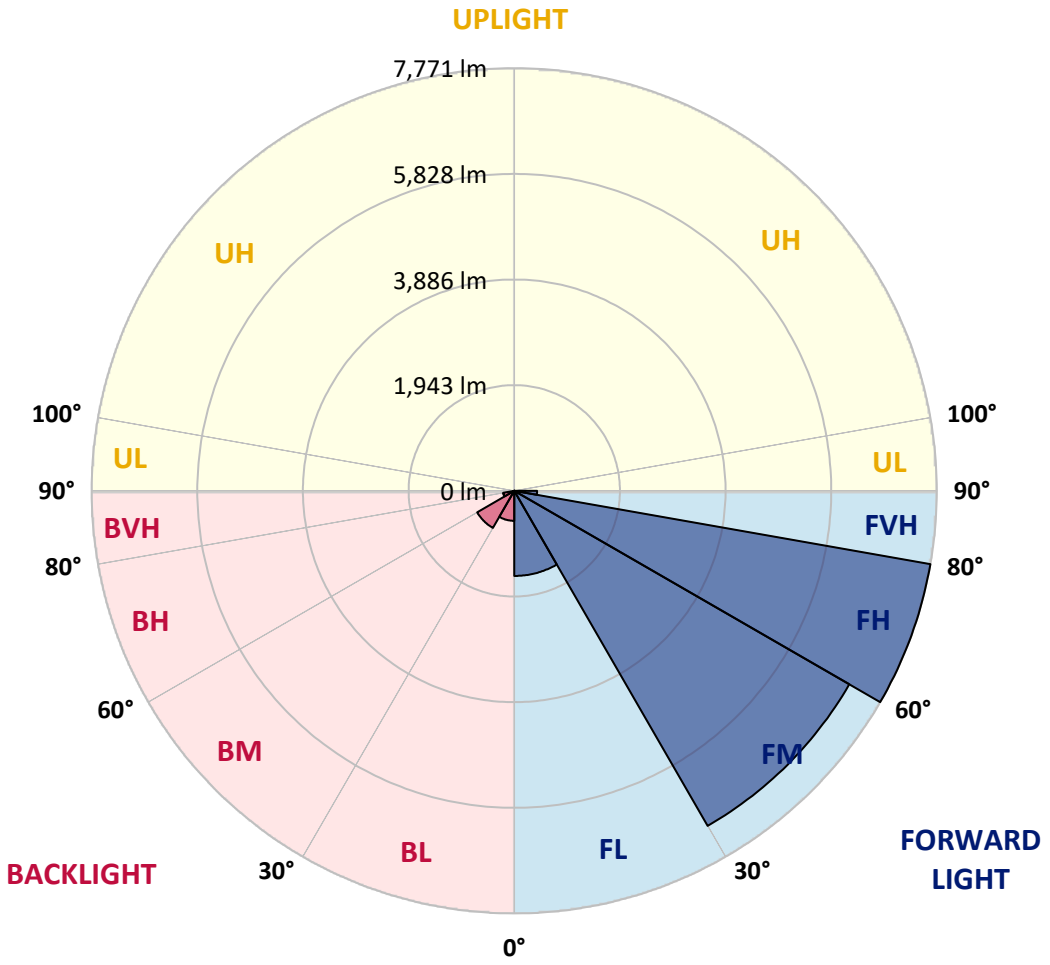
REPORT NUMBER: P323999
CATALOG NUMBER: GLEON-SA5B-830-U-SL4-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	1565.3	8.5			
FM	(30°-60°)	7115.0	38.6			
FH	(60°-80°)	7771.2	42.2			G4/12000
FVH	(80°-90°)	419.3	2.3			G3/500
BL	(0°-30°)	552.0	3.0	B2/1000		
BM	(30°-60°)	787.2	4.3	B1/1000		
BH	(60°-80°)	207.1	1.1	B1/500		G1/500
BVH	(80°-90°)	4.0	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 IV Short



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Scaled Data Report

REPORT NUMBER: P323999
CATALOG NUMBER: GLEON-SA5B-830-U-SL4-HSS

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	38°	45°	55°	65°	75°	85°
0°	3387.6	3387.6	3387.6	3387.6	3387.6	3387.6	3387.6	3387.6	3387.6	3387.6	3387.6
2.5°	3595.6	3596.4	3588.0	3574.2	3556.6	3547.5	3532.2	3507.7	3481.7	3435.0	3384.5
5°	3669.1	3669.1	3658.4	3640.0	3611.7	3603.3	3574.2	3535.2	3481.7	3405.9	3321.0
7.5°	3661.4	3663.0	3648.4	3629.3	3601.0	3593.4	3558.2	3514.6	3448.0	3356.2	3247.6
10°	3621.7	3625.5	3614.0	3604.8	3578.8	3570.4	3537.5	3493.9	3427.3	3329.4	3204.7
12.5°	3581.1	3584.9	3588.8	3597.2	3581.1	3578.1	3552.0	3515.3	3451.8	3350.1	3209.3
15°	3555.1	3562.8	3590.3	3623.2	3627.0	3624.0	3607.1	3572.7	3508.4	3402.9	3242.2
17.5°	3555.1	3567.3	3624.7	3687.5	3709.6	3711.9	3697.4	3649.2	3572.7	3459.5	3272.8
20°	3584.9	3601.8	3691.3	3780.0	3816.7	3816.7	3788.4	3721.1	3631.6	3510.7	3293.5
22.5°	3661.4	3683.6	3796.1	3898.6	3937.6	3929.2	3891.0	3793.0	3692.8	3568.9	3319.5
25°	3812.2	3829.0	3946.0	4049.3	4073.0	4053.9	4005.7	3880.2	3770.8	3647.7	3366.9
27.5°	4006.5	4008.8	4129.6	4216.9	4202.3	4189.3	4128.9	3989.6	3883.3	3760.1	3448.8
30°	4219.9	4219.9	4326.3	4392.8	4348.4	4337.7	4277.3	4122.0	4027.1	3913.1	3565.0
32.5°	4426.5	4435.7	4522.1	4564.2	4514.5	4503.7	4444.8	4289.5	4218.4	4146.5	3746.4
35°	4626.1	4633.0	4714.9	4737.8	4690.4	4693.5	4651.4	4519.8	4493.0	4483.9	4019.5
37.5°	4819.7	4821.2	4904.6	4919.2	4895.4	4921.5	4925.3	4809.0	4858.7	4932.9	4404.3
40°	4996.4	4998.0	5080.6	5118.1	5158.6	5192.3	5222.1	5160.1	5324.6	5496.8	4862.5
42.5°	5138.0	5154.0	5258.8	5330.0	5437.1	5501.3	5582.4	5579.4	5879.3	6137.9	5416.4
45°	5262.7	5290.2	5436.3	5561.0	5744.6	5847.1	5974.1	6073.6	6503.5	6851.6	5977.2
47.5°	5427.1	5453.1	5619.9	5824.2	6069.0	6203.6	6414.0	6629.0	7189.8	7552.4	6525.0
50°	5658.9	5647.5	5811.9	6105.0	6419.4	6596.1	6896.0	7218.1	7870.6	8162.9	6847.0
52.5°	5906.0	5901.5	6023.1	6410.2	6832.5	7039.1	7435.3	7827.0	8521.7	8583.7	6994.7
55°	6212.1	6179.2	6281.7	6758.3	7322.9	7544.7	8011.4	8429.9	9040.4	8820.8	7068.9
57.5°	6532.6	6478.3	6576.2	7146.2	7876.0	8138.4	8649.5	9017.4	9385.4	8983.0	7068.1
60°	6863.9	6799.6	6915.9	7631.2	8563.0	8866.7	9341.0	9414.5	9707.5	9064.9	7016.1
62.5°	7140.8	7102.6	7275.5	8149.9	9330.3	9628.7	9863.6	9775.6	9979.1	9128.4	6894.5
65°	7433.8	7436.1	7715.3	8755.0	10145.9	10347.1	10366.9	10243.8	10206.3	9115.4	6482.9
67.5°	7830.1	7866.8	8332.7	9576.7	10939.2	11094.5	11093.0	10751.0	10372.3	8598.2	5570.2
70°	8249.3	8335.8	9044.2	10516.9	11805.2	11962.8	11881.7	11073.8	9766.4	6952.6	3942.2
72.5°	8179.0	8328.9	9439.7	11109.8	12427.2	12547.3	12020.2	10280.5	7719.2	4040.9	1678.5
75°	6310.0	6483.6	8655.6	10522.2	11774.6	11666.7	10327.9	7999.9	4218.4	1127.7	377.9
77.5°	3333.2	3425.8	5717.8	8016.0	9181.1	8955.5	7275.5	4437.9	1286.0	279.2	169.8
80°	1745.8	1767.2	2491.7	4548.1	5666.6	5668.1	4311.7	1949.3	530.2	143.1	114.0
82.5°	934.9	953.2	1316.6	2101.5	2969.1	2691.4	1650.9	1072.6	308.3	81.1	109.4
85°	224.9	228.7	746.7	960.1	1167.4	833.9	490.4	900.4	83.4	47.4	88.7
87.5°	86.4	88.0	276.9	415.4	297.6	192.8	229.5	335.8	10.7	18.4	13.8
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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CATALOG NUMBER: GLEON-SA5B-830-U-SL4-HSS

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	3387.6	3387.6	3387.6	3387.6	3387.6	3387.6	3387.6	3387.6	3387.6	3387.6	3387.6
2.5°	3353.9	3334.0	3285.0	3223.1	3168.0	3128.2	3068.5	3029.5	3003.5	3002.8	2992.8
5°	3269.0	3228.4	3122.9	2997.4	2883.4	2780.9	2660.0	2564.4	2493.2	2481.8	2457.3
7.5°	3177.9	3111.4	2949.2	2753.3	2562.1	2367.8	2142.1	2002.1	1882.0	1824.6	1818.5
10°	3122.1	3028.8	2798.5	2515.4	2215.5	1899.6	1604.3	1400.0	1252.4	1210.3	1178.9
12.5°	3110.6	2987.4	2682.2	2292.0	1863.6	1445.9	1119.2	902.0	784.2	746.7	736.7
15°	3122.1	2968.3	2584.3	2070.9	1507.1	1025.9	751.3	625.0	580.7	569.9	569.2
17.5°	3129.0	2945.4	2473.3	1825.4	1161.3	732.9	575.3	538.6	531.7	530.9	532.5
20°	3128.2	2910.2	2341.0	1551.5	863.7	576.1	520.2	512.6	511.0	511.8	511.0
22.5°	3122.9	2868.9	2195.6	1269.2	652.6	514.9	496.5	491.9	491.2	491.2	491.2
25°	3132.8	2836.0	2035.7	999.1	537.8	486.6	475.1	471.3	470.5	470.5	469.0
27.5°	3168.8	2817.6	1860.6	768.9	485.8	461.3	452.1	451.4	449.1	448.3	449.8
30°	3226.9	2817.6	1668.5	598.3	454.4	435.3	428.4	426.9	426.1	425.4	426.1
32.5°	3329.4	2839.0	1458.9	497.3	424.6	406.2	401.6	403.9	401.6	401.6	401.6
35°	3514.6	2903.3	1239.4	433.8	393.2	377.9	373.3	376.4	374.9	374.9	374.1
37.5°	3784.6	3022.6	1018.3	395.5	365.7	349.6	343.5	348.1	346.6	346.6	345.8
40°	4113.6	3196.3	807.9	366.5	338.9	322.1	316.7	319.0	315.2	315.2	316.7
42.5°	4519.8	3416.6	624.3	338.1	312.1	296.1	293.0	290.7	283.8	280.0	280.8
45°	4971.2	3646.1	486.6	310.6	286.9	273.9	269.3	263.2	251.7	244.0	244.8
47.5°	5374.3	3822.9	395.5	283.8	263.9	254.0	247.1	235.6	218.8	209.6	210.4
50°	5586.3	3849.6	336.6	257.1	242.5	232.6	222.6	205.0	185.1	175.2	174.4
52.5°	5640.6	3724.2	293.0	232.6	221.1	209.6	196.6	172.9	150.7	140.0	138.5
55°	5660.5	3532.9	254.0	209.6	198.1	185.1	168.3	141.5	120.9	110.2	109.4
57.5°	5594.7	3247.6	223.4	189.0	175.2	159.1	138.5	113.2	93.3	84.9	84.9
60°	5448.6	2861.2	199.7	166.8	151.5	133.1	111.7	88.0	69.6	62.7	62.7
62.5°	5157.1	2360.9	177.5	143.8	129.3	110.2	90.3	66.6	49.0	45.1	45.9
65°	4607.0	1790.9	155.3	123.2	110.2	91.0	70.4	47.4	32.9	32.9	34.4
67.5°	3757.1	1243.9	132.4	104.8	94.9	74.2	53.6	32.9	23.0	26.0	29.1
70°	2487.1	697.7	113.2	86.4	81.1	58.9	39.8	22.2	18.4	24.5	29.8
72.5°	*938.7*	*271.6*	*94.9*	*69.6*	*70.4*	*45.1*	*28.3*	*16.8*	*16.8*	*26.8*	*35.2*
75°	261.6	133.1	68.1	51.3	55.1	32.9	20.7	14.5	16.1	30.6	41.3
77.5°	153.8	97.9	44.4	29.8	37.5	23.0	13.8	11.5	13.8	26.0	39.8
80°	123.9	52.0	26.0	15.3	20.7	13.0	9.2	6.9	3.8	9.9	20.7
82.5°	123.9	31.4	12.2	10.7	10.7	6.9	4.6	3.1	0.8	0.0	5.4
85°	83.4	13.0	7.7	6.9	5.4	2.3	1.5	0.8	0.0	0.0	0.0
87.5°	13.8	5.4	3.1	1.5	0.8	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

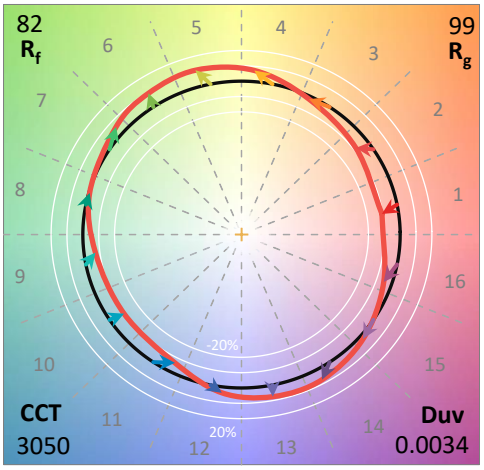
Test Information

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

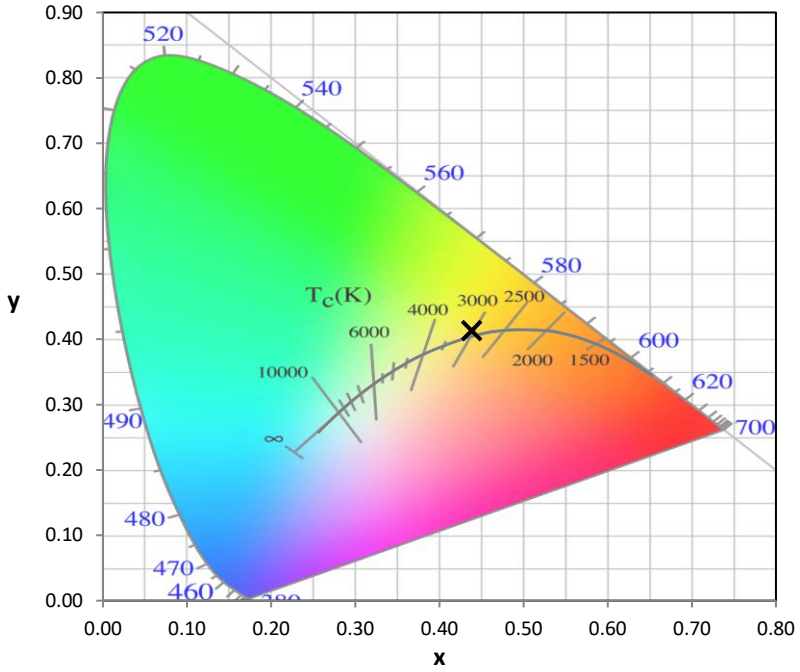
Stabilization Time:	20M
Operation Time:	1H 20M
Sphere Temperature (°C):	24.2

REPORT NUMBER: SP1-2408-195-9

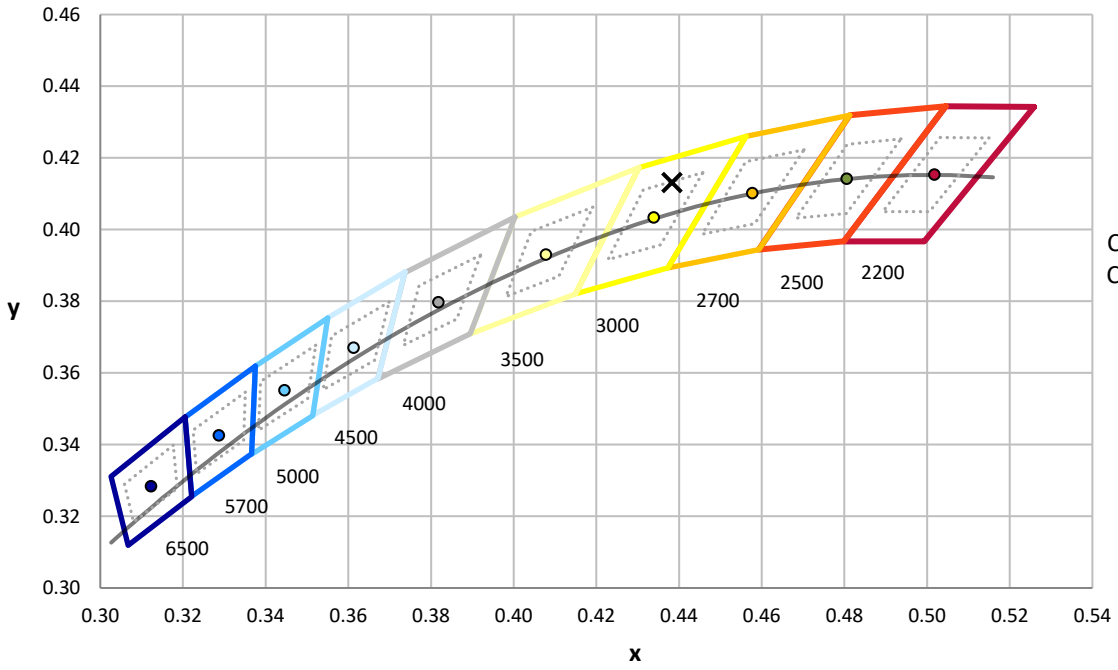
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

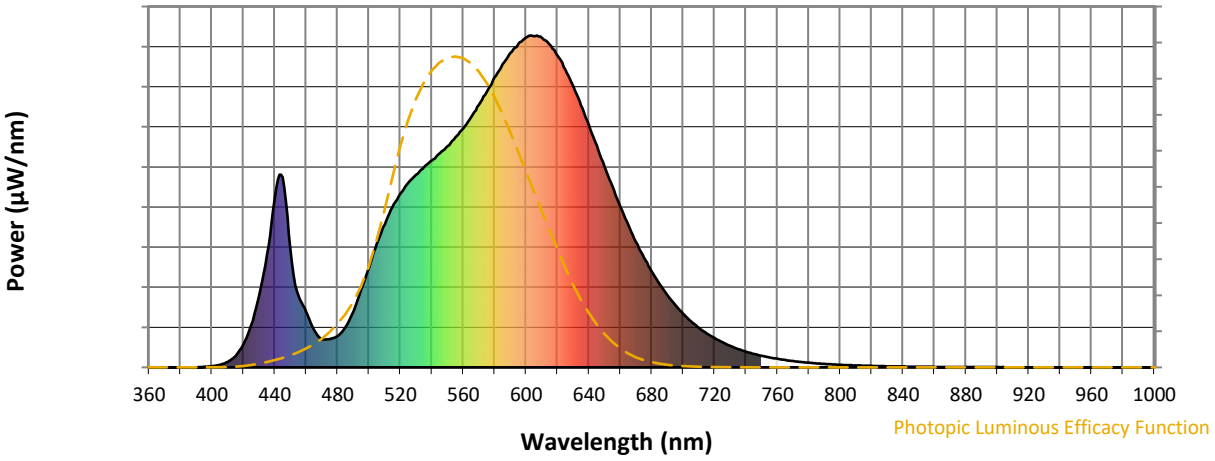


CCT = 3050K
CIE x = 0.4383
CIE y = 0.4131
Duv = 0.0034

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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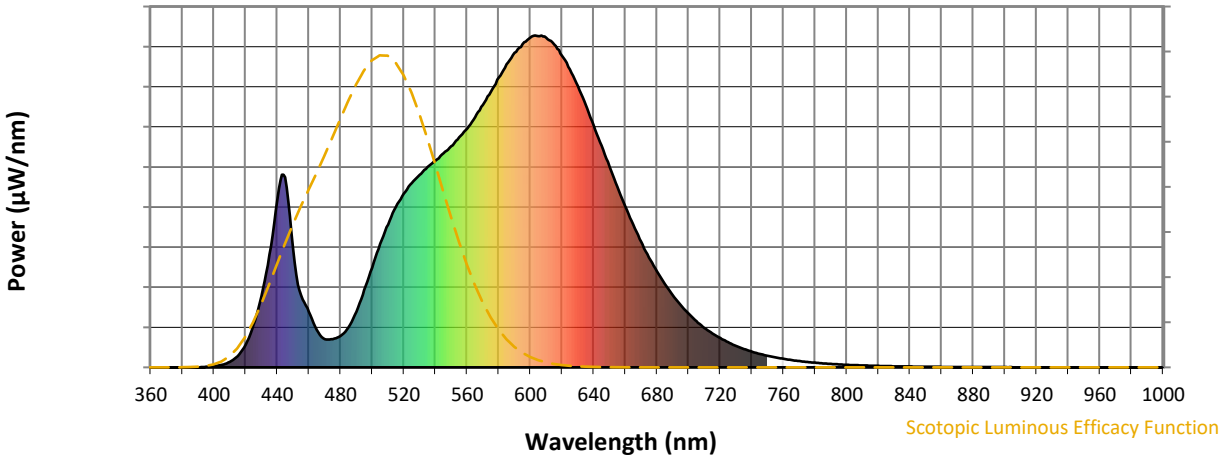
Scotopic Flux vs. Wavelength



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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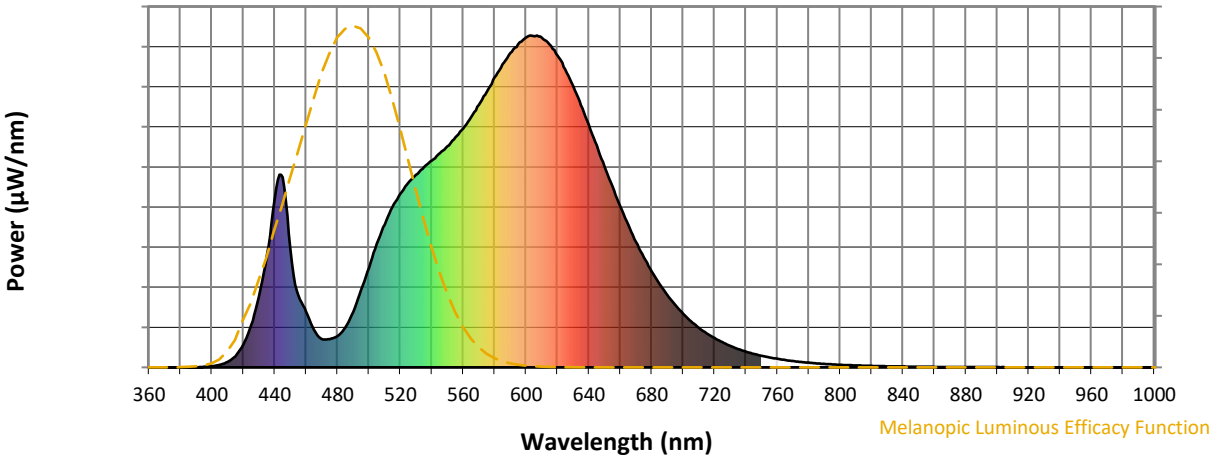
Melanopic Flux vs. Wavelength



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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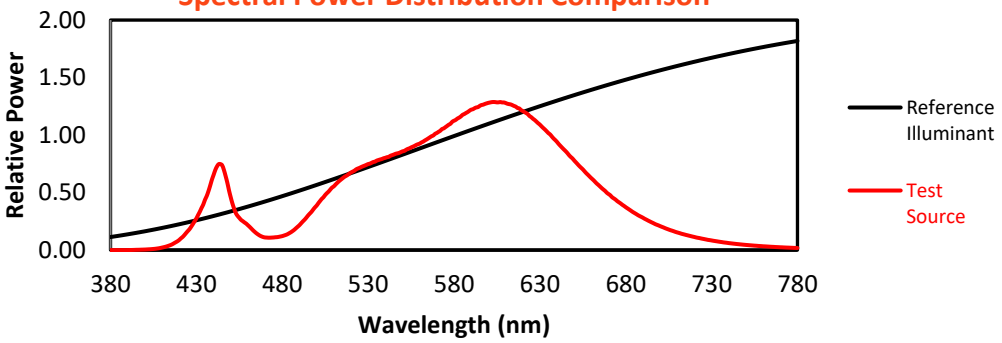
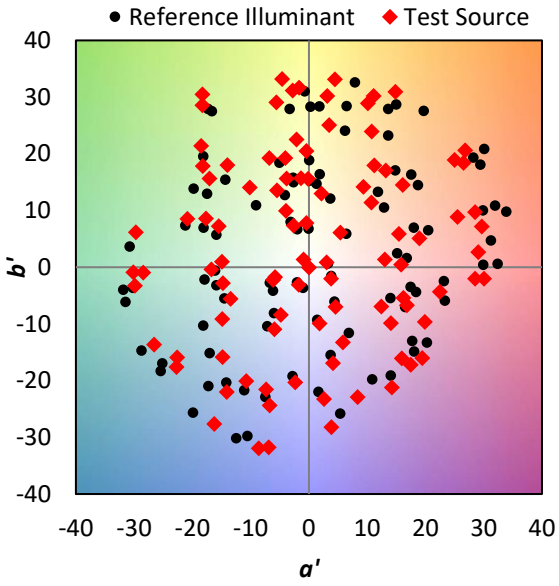
Summary

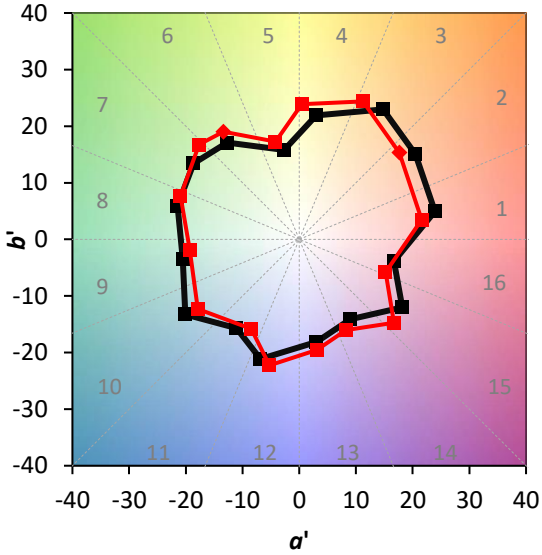
R_f = 81.5
R_g = 99.2
CIE R_a = 81.0
R_9 = 7.1

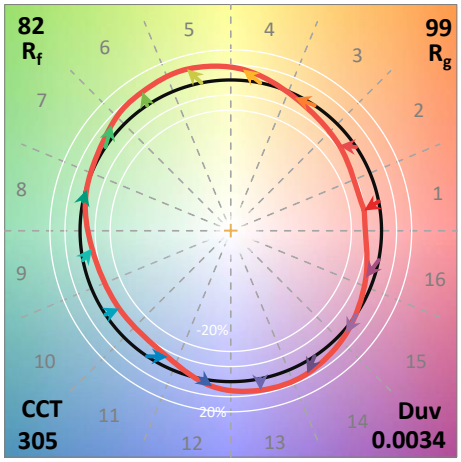
Spectral Power Distribution Comparison

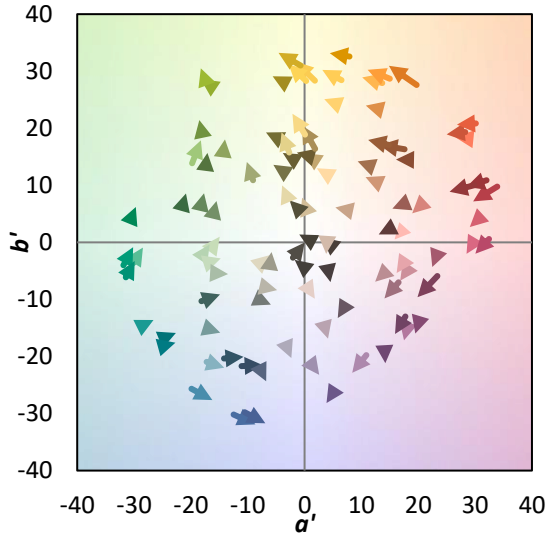


Color Vector Graphics









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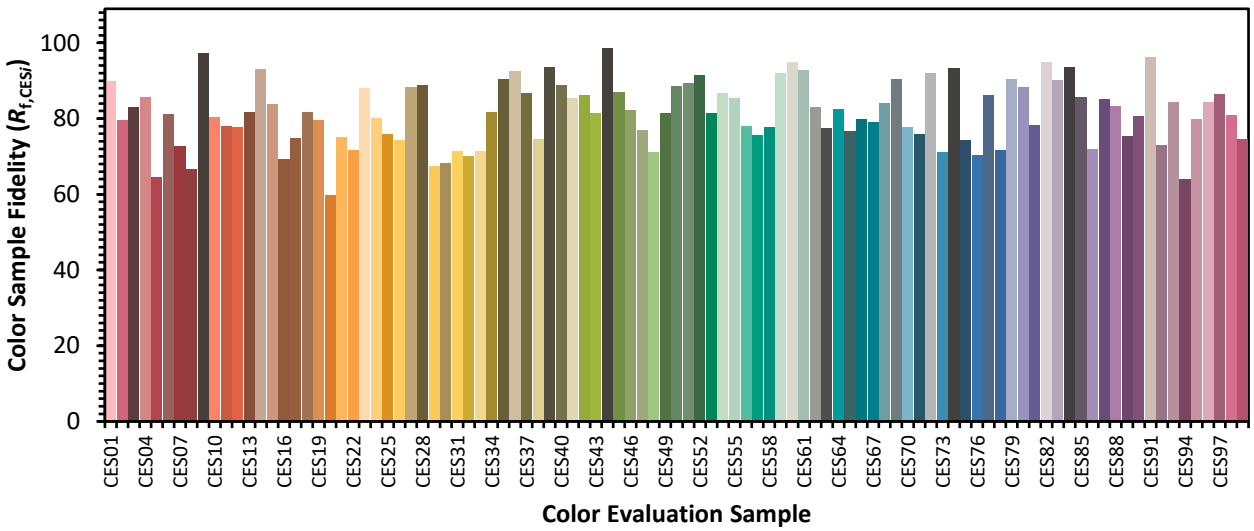
Individual Sample Fidelity Index ($R_{f,i}$)

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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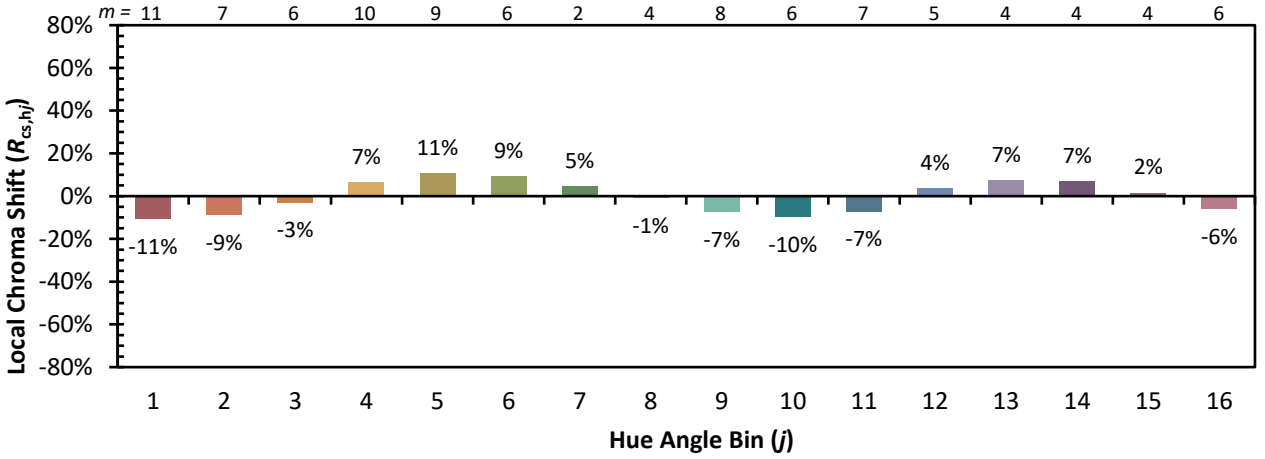
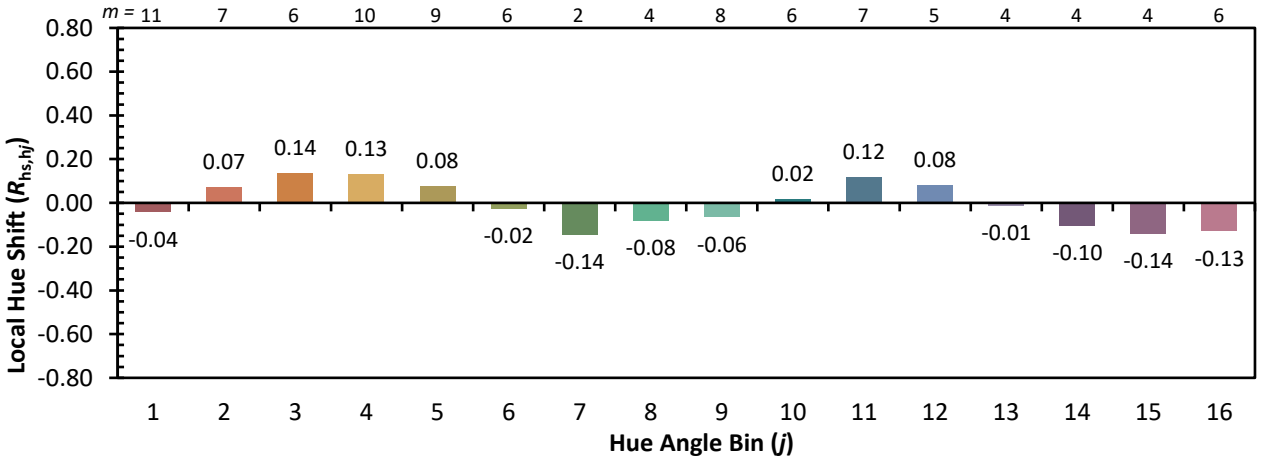
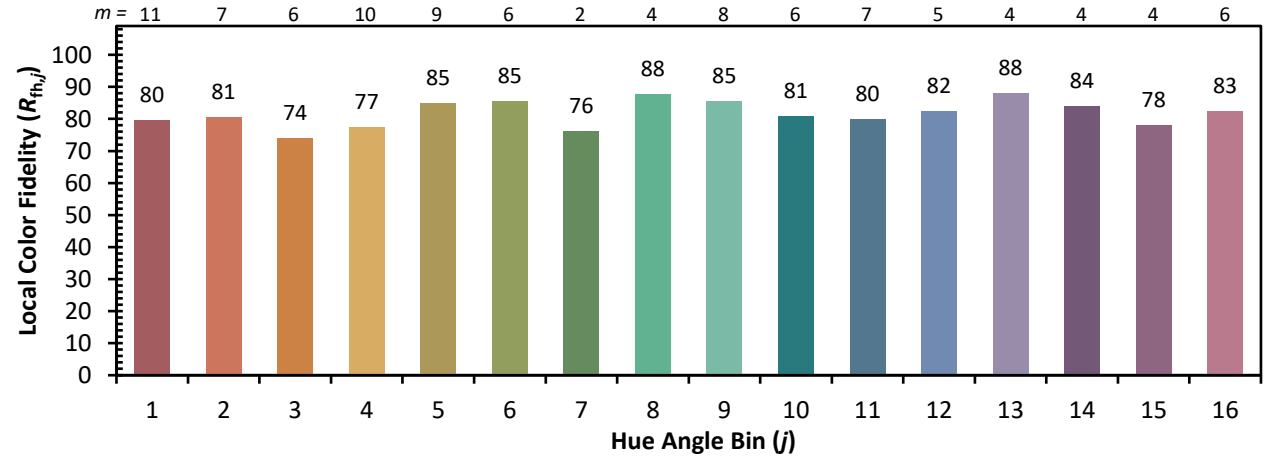
Color Rendition by Hue-Angle Bin







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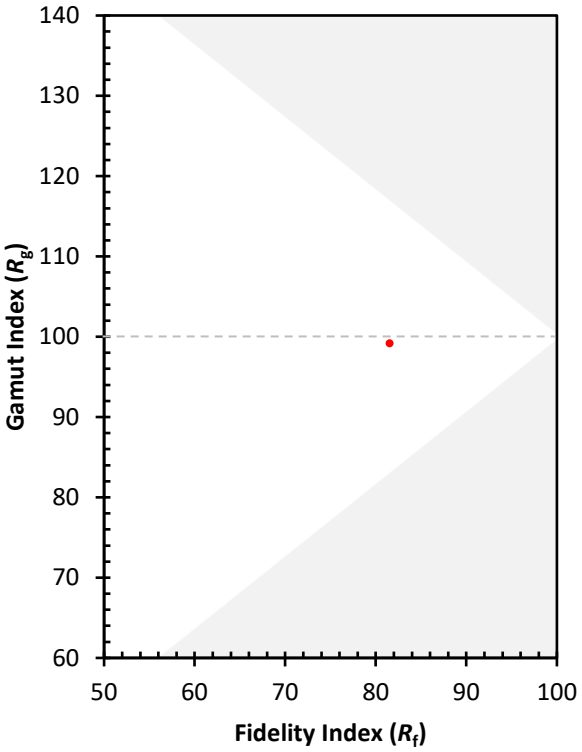
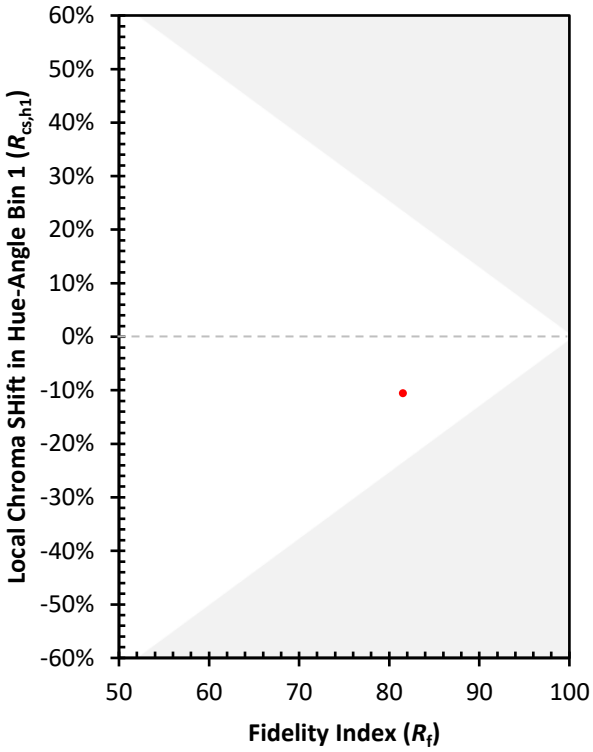
Measure Comparisons





(END OF REPORT)