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: P323994

Luminaire Tested: **GLEON-SA0A-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:	P323994
	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-SA0A-830-U-SL4-HSS
Description:	GALLEON AREA AND ROADWAY LUMINAIRE
	(10) 80 CRI, 3000K, 615mA 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:	29748 lumens
Efficiency:	N/A
Efficacy:	92.1 lumens/watt
Luminous Opening:	Rectangular (W 2.5' x L: 1' x H: 0')
IES Classification:	Type IV - Short
BUG Rating:	B2 - U0 - G5

Input Watts (W):	323
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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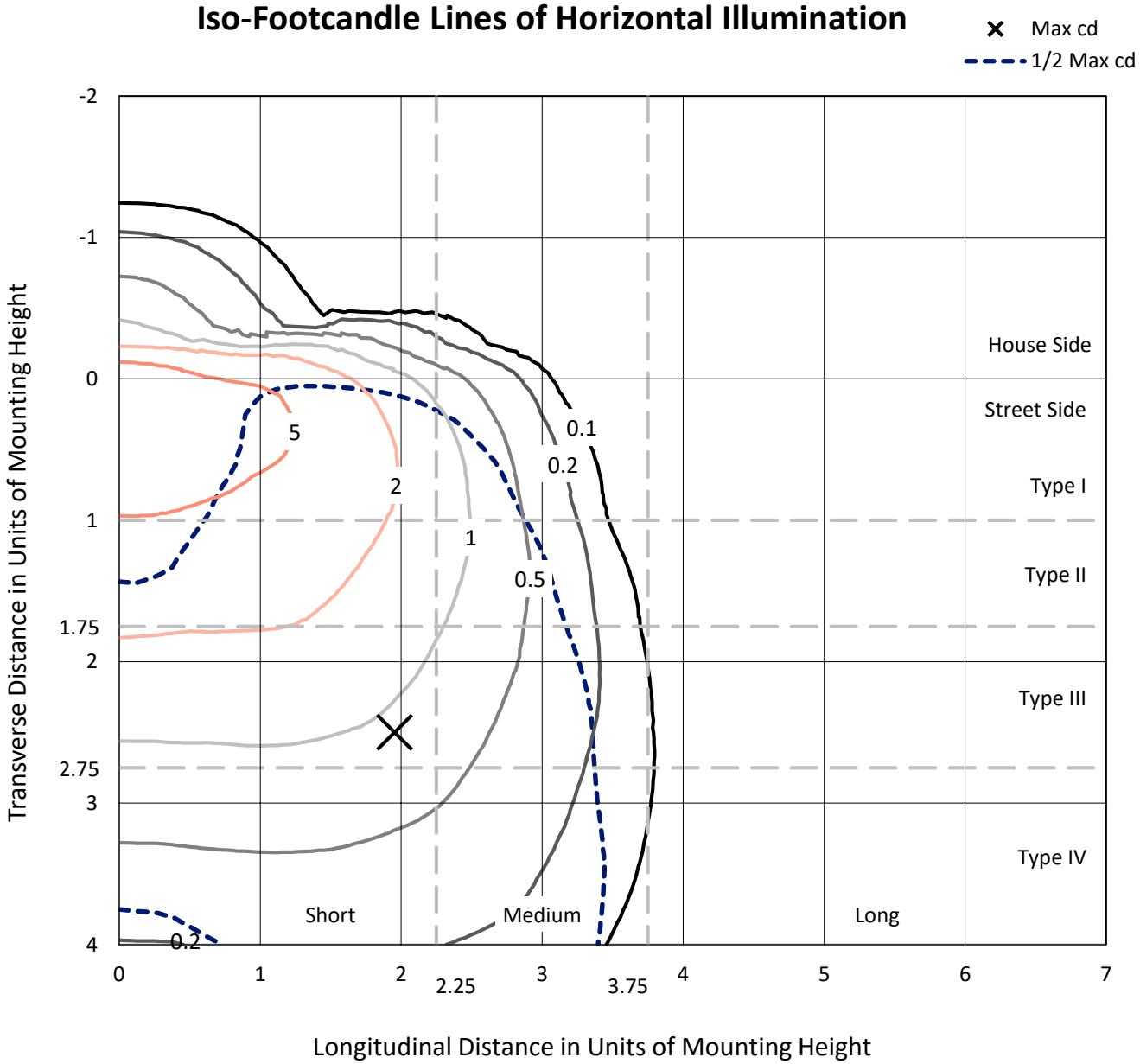
Scaled Data Report

REPORT NUMBER: P323994
CATALOG NUMBER: GLEON-SA0A-830-U-SL4-HSS

Iso-Footcandle Lines of Horizontal Illumination



Based on 25 foot mounting height. Maximum calculated value = 9.2 fc
Type IV - Short - N/A

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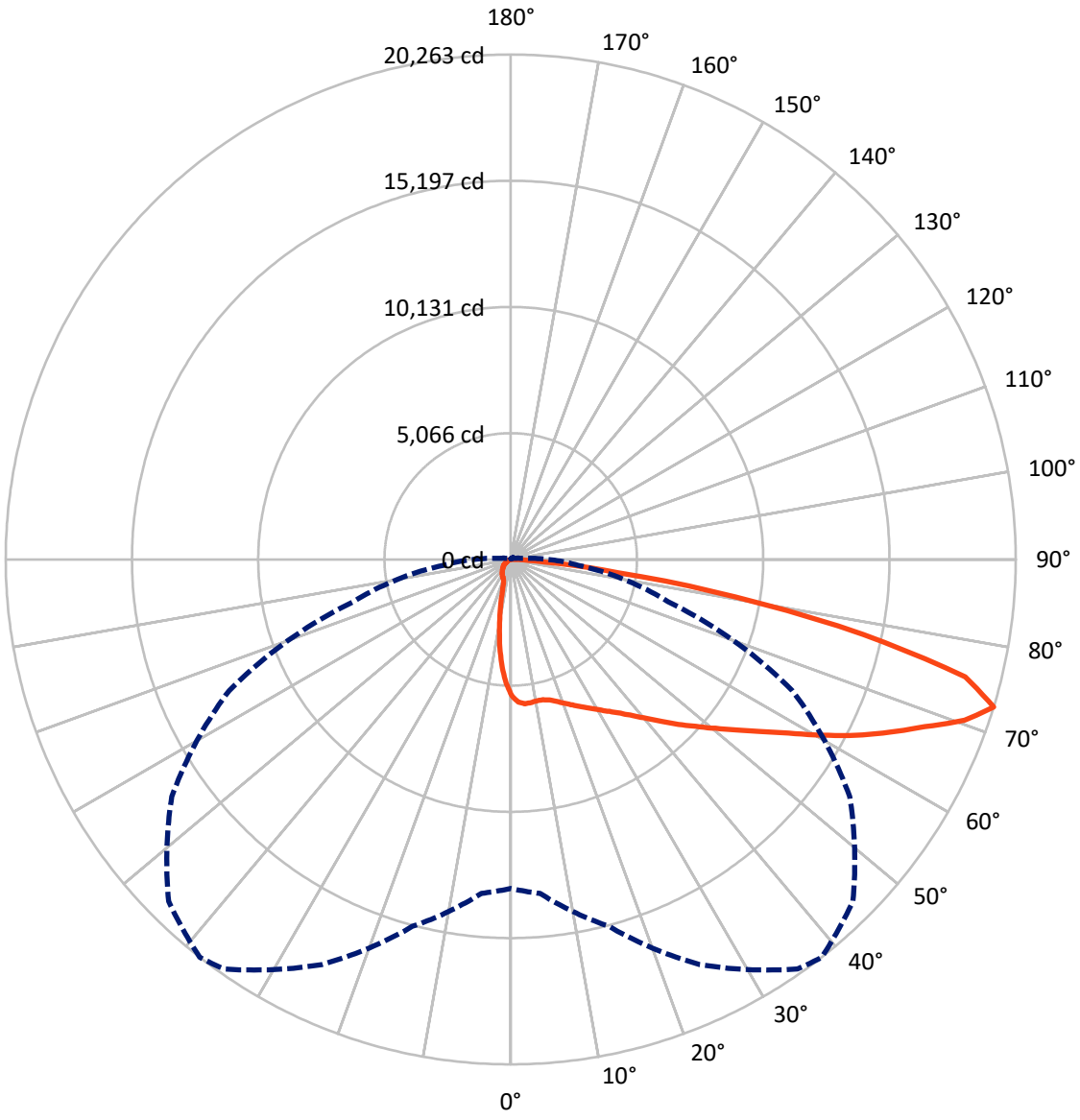
Luminous Intensity Polar Plot



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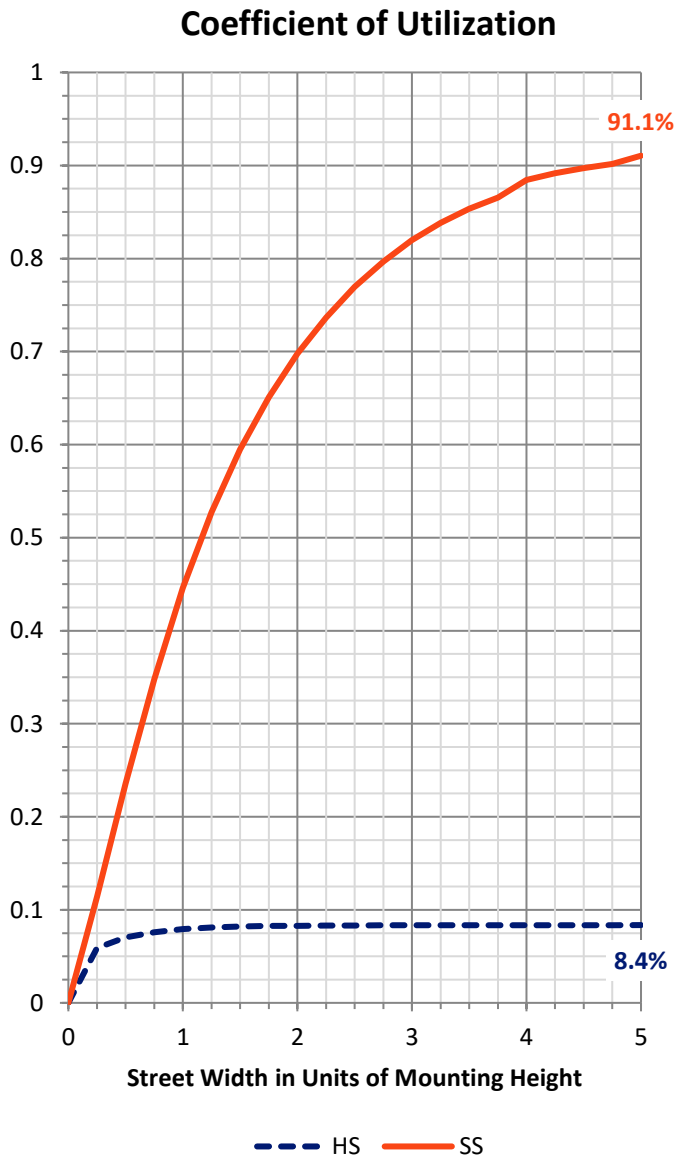
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2503.4	0.0	2503.4
	% Fixture	8.4	0.0	8.4
Street Side	Lumens	27244.6	0.0	27244.6
	% Fixture	91.6	0.0	91.6
Total	Lumens	29748.0	0.0	29748.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	466.2	1.6
10°-20°	1140.0	3.8
20°-30°	1813.1	6.1
30°-40°	2725.8	9.2
40°-50°	4158.3	14.0
50°-60°	5877.1	19.8
60°-70°	7371.9	24.8
70°-80°	5512.1	18.5
80°-90°	683.5	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°	29748.0	100.0
0°-180°	29748.0	100.0



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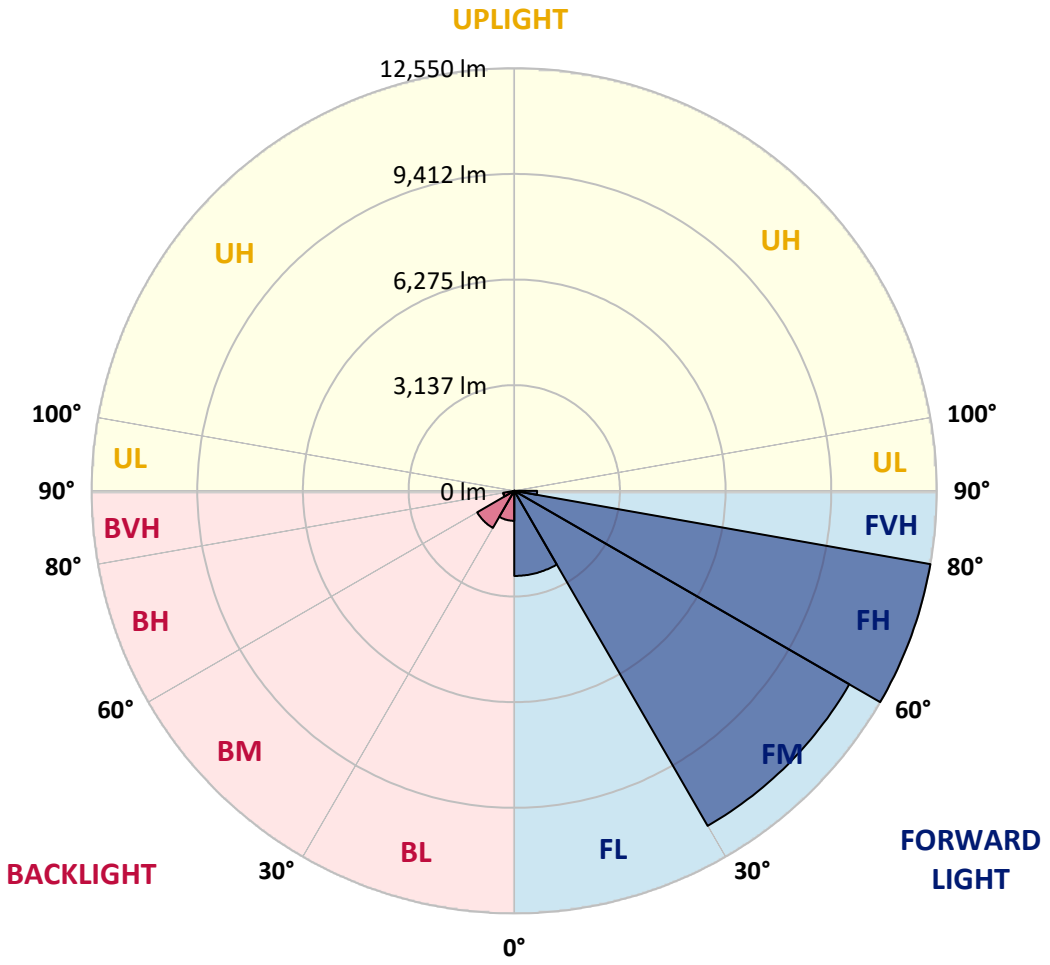
LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	2527.9	8.5			
FM	(30°-60°)	11490.0	38.6			
FH	(60°-80°)	12549.6	42.2			G5
FVH	(80°-90°)	677.1	2.3			G4/750
BL	(0°-30°)	891.4	3.0	B2/1000		
BM	(30°-60°)	1271.3	4.3	B2/2500		
BH	(60°-80°)	334.4	1.1	B1/500		G1/500
BVH	(80°-90°)	6.4	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-G5
Type IV Short



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REPORT NUMBER: P323994
CATALOG NUMBER: GLEON-SA0A-830-U-SL4-HSS

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	38°	45°	55°	65°	75°	85°
0°	5470.6	5470.6	5470.6	5470.6	5470.6	5470.6	5470.6	5470.6	5470.6	5470.6	5470.6
2.5°	5806.6	5807.8	5794.2	5772.0	5743.6	5728.8	5704.1	5664.5	5622.5	5547.2	5465.6
5°	5925.2	5925.2	5907.9	5878.3	5832.5	5819.0	5772.0	5709.0	5622.5	5500.2	5363.1
7.5°	5912.8	5915.3	5891.8	5861.0	5815.2	5802.9	5746.1	5675.6	5568.2	5419.9	5244.5
10°	5848.6	5854.8	5836.3	5821.4	5779.4	5765.8	5712.7	5642.3	5534.8	5376.7	5175.3
12.5°	5783.1	5789.3	5795.5	5809.1	5783.1	5778.2	5736.2	5676.9	5574.3	5410.0	5182.7
15°	5741.1	5753.5	5798.0	5851.1	5857.3	5852.3	5825.1	5769.5	5665.8	5495.3	5235.8
17.5°	5741.1	5760.9	5853.5	5954.9	5990.7	5994.4	5970.9	5893.1	5769.5	5586.7	5285.2
20°	5789.3	5816.5	5961.0	6104.3	6163.6	6163.6	6117.9	6009.2	5864.7	5669.5	5318.6
22.5°	5912.8	5948.7	6130.3	6295.8	6358.8	6345.3	6283.5	6125.3	5963.5	5763.4	5360.6
25°	6156.2	6183.4	6372.4	6539.2	6577.5	6546.6	6468.8	6266.2	6089.5	5890.6	5437.2
27.5°	6470.0	6473.7	6668.9	6809.8	6786.3	6765.3	6667.7	6442.9	6271.1	6072.2	5569.4
30°	6814.7	6814.7	6986.5	7093.9	7022.3	7005.0	6907.4	6656.6	6503.4	6319.3	5757.2
32.5°	7148.3	7163.1	7302.7	7370.7	7290.4	7273.1	7177.9	6927.2	6812.3	6696.1	6050.0
35°	7470.7	7481.9	7614.1	7651.1	7574.5	7579.5	7511.5	7299.0	7255.8	7241.0	6491.0
37.5°	7783.3	7785.8	7920.5	7943.9	7905.6	7947.6	7953.8	7766.0	7846.3	7966.2	7112.5
40°	8068.7	8071.2	8204.6	8265.1	8330.6	8385.0	8433.2	8333.1	8598.7	8876.7	7852.5
42.5°	8297.3	8323.2	8492.5	8607.4	8780.3	8884.1	9015.1	9010.1	9494.4	9912.0	8747.0
45°	8498.6	8543.1	8779.1	8980.5	9277.0	9442.5	9647.6	9808.2	10502.5	11064.7	9652.5
47.5°	8764.3	8806.3	9075.6	9405.5	9800.8	10018.2	10358.0	10705.1	11610.7	12196.3	10537.1
50°	9138.6	9120.1	9385.7	9858.9	10366.6	10652.0	11136.3	11656.4	12710.3	13182.2	11057.3
52.5°	9537.7	9530.2	9726.7	10351.8	11033.8	11367.3	12007.3	12639.9	13761.6	13861.7	11295.7
55°	10031.8	9978.7	10144.3	10913.9	11825.7	12184.0	12937.6	13613.4	14599.3	14244.7	11415.5
57.5°	10549.5	10461.8	10619.9	11540.3	12718.9	13142.7	13968.0	14562.2	15156.5	14506.6	11414.3
60°	11084.4	10980.7	11168.4	12323.6	13828.4	14318.8	15084.8	15203.4	15676.6	14638.8	11330.3
62.5°	11531.7	11469.9	11749.1	13161.2	15067.5	15549.3	15928.6	15786.5	16115.2	14741.4	11133.8
65°	12004.8	12008.5	12459.5	14138.5	16384.5	16709.4	16741.5	16542.6	16482.1	14720.4	10469.2
67.5°	12644.8	12704.1	13456.5	15465.3	17665.7	17916.5	17914.0	17361.7	16750.2	13885.2	8995.3
70°	13321.8	13461.4	14605.5	16983.7	19064.2	19318.7	19187.7	17883.1	15771.7	11227.7	6366.3
72.5°	13208.2	13450.3	15244.2	17941.2	20068.6	20262.6	19411.3	16601.9	12465.7	6525.6	2710.6
75°	10190.0	10470.4	13977.8	16992.3	19014.8	18840.6	16678.5	12919.1	6812.3	1821.0	610.3
77.5°	5382.8	5532.3	9233.7	12945.0	14826.6	14462.1	11749.1	7166.8	2076.8	450.9	274.3
80°	2819.3	2853.9	4023.9	7344.7	9151.0	9153.4	6963.0	3147.9	856.2	231.0	184.1
82.5°	1509.7	1539.4	2126.2	3393.8	4794.8	4346.3	2666.1	1732.1	497.9	131.0	176.7
85°	363.2	369.4	1205.8	1550.5	1885.3	1346.6	791.9	1454.1	134.7	76.6	143.3
87.5°	139.6	142.1	447.2	670.8	480.6	311.3	370.6	542.4	17.3	29.7	22.2
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: P323994
CATALOG NUMBER: GLEON-SA0A-830-U-SL4-HSS

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	5470.6	5470.6	5470.6	5470.6	5470.6	5470.6	5470.6	5470.6	5470.6	5470.6	5470.6
2.5°	5416.2	5384.1	5305.0	5204.9	5116.0	5051.7	4955.4	4892.4	4850.4	4849.1	4833.1
5°	5279.1	5213.6	5043.1	4840.5	4656.4	4490.8	4295.6	4141.2	4026.3	4007.8	3968.3
7.5°	5132.0	5024.6	4762.6	4446.4	4137.5	3823.7	3459.3	3233.2	3039.2	2946.5	2936.7
10°	5041.9	4891.1	4519.3	4062.1	3577.9	3067.6	2590.7	2260.9	2022.4	1954.5	1903.8
12.5°	5023.3	4824.4	4331.5	3701.4	3009.5	2335.0	1807.5	1456.6	1266.3	1205.8	1189.7
15°	5041.9	4793.5	4173.3	3344.4	2433.8	1656.7	1213.2	1009.4	937.7	920.4	919.2
17.5°	5053.0	4756.5	3994.2	2947.8	1875.4	1183.6	929.1	869.8	858.6	857.4	859.9
20°	5051.7	4699.6	3780.5	2505.5	1394.8	930.3	840.1	827.7	825.3	826.5	825.3
22.5°	5043.1	4632.9	3545.7	2049.6	1053.8	831.5	801.8	794.4	793.2	793.2	793.2
25°	5059.2	4579.8	3287.5	1613.5	868.5	785.7	767.2	761.0	759.8	759.8	757.3
27.5°	5117.2	4550.2	3004.6	1241.6	784.5	745.0	730.1	728.9	725.2	724.0	726.4
30°	5211.1	4550.2	2694.5	966.1	733.9	703.0	691.9	689.4	688.1	686.9	688.1
32.5°	5376.7	4584.7	2356.0	803.0	685.7	656.0	648.6	652.3	648.6	648.6	648.6
35°	5675.6	4688.5	2001.4	700.5	635.0	610.3	602.9	607.8	605.4	605.4	604.1
37.5°	6111.8	4881.3	1644.4	638.7	590.5	564.6	554.7	562.1	559.7	559.7	558.4
40°	6643.0	5161.7	1304.6	591.8	547.3	520.1	511.5	515.2	509.0	509.0	511.5
42.5°	7299.0	5517.5	1008.1	546.1	504.1	478.1	473.2	469.5	458.4	452.2	453.4
45°	8027.9	5888.1	785.7	501.6	463.3	442.3	434.9	425.0	406.5	394.1	395.3
47.5°	8679.0	6173.5	638.7	458.4	426.2	410.2	399.0	380.5	353.3	338.5	339.7
50°	9021.2	6216.8	543.6	415.1	391.6	375.6	359.5	331.1	299.0	282.9	281.7
52.5°	9109.0	6014.2	473.2	375.6	357.0	338.5	317.5	279.2	243.4	226.1	223.6
55°	9141.1	5705.3	410.2	338.5	320.0	299.0	271.8	228.6	195.2	177.9	176.7
57.5°	9034.8	5244.5	360.8	305.2	282.9	257.0	223.6	182.8	150.7	137.1	137.1
60°	8798.9	4620.6	322.5	269.3	244.6	215.0	180.4	142.1	112.4	101.3	101.3
62.5°	8328.1	3812.6	286.6	232.3	208.8	177.9	145.8	107.5	79.1	72.9	74.1
65°	7439.9	2892.2	250.8	198.9	177.9	147.0	113.7	76.6	53.1	53.1	55.6
67.5°	6067.3	2008.8	213.7	169.3	153.2	119.8	86.5	53.1	37.1	42.0	46.9
70°	4016.4	1126.7	182.8	139.6	131.0	95.1	64.2	35.8	29.7	39.5	48.2
72.5°	*1515.9*	*438.6*	*153.2*	*112.4*	*113.7*	*72.9*	*45.7*	*27.2*	*27.2*	*43.2*	*56.8*
75°	422.5	215.0	110.0	82.8	89.0	53.1	33.4	23.5	25.9	49.4	66.7
77.5°	248.3	158.1	71.7	48.2	60.5	37.1	22.2	18.5	22.2	42.0	64.2
80°	200.1	84.0	42.0	24.7	33.4	21.0	14.8	11.1	6.2	16.1	33.4
82.5°	200.1	50.7	19.8	17.3	17.3	11.1	7.4	4.9	1.2	0.0	8.6
85°	134.7	21.0	12.4	11.1	8.6	3.7	2.5	1.2	0.0	0.0	0.0
87.5°	22.2	8.6	4.9	2.5	1.2	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

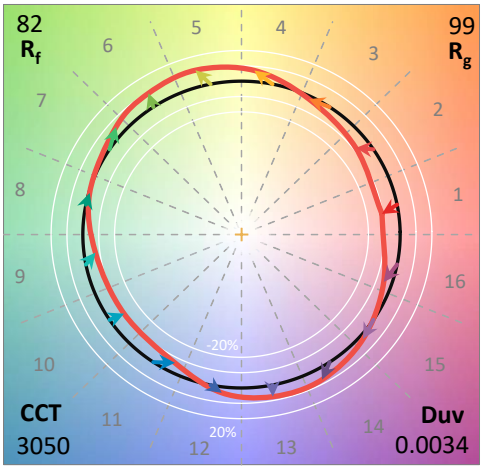
Test Information

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

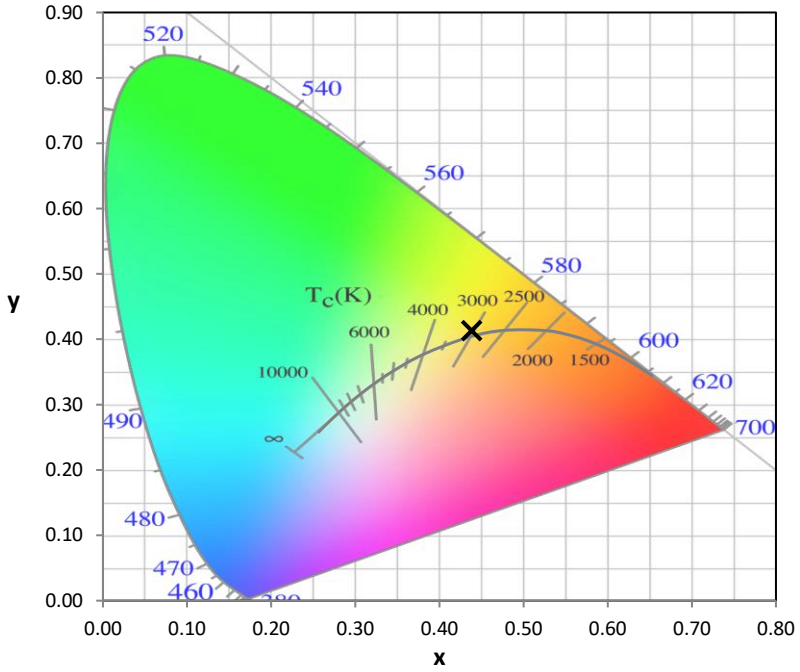
Stabilization Time:	20M
Operation Time:	1H 20M
Sphere Temperature (°C):	24.2

REPORT NUMBER: SP1-2408-195-9

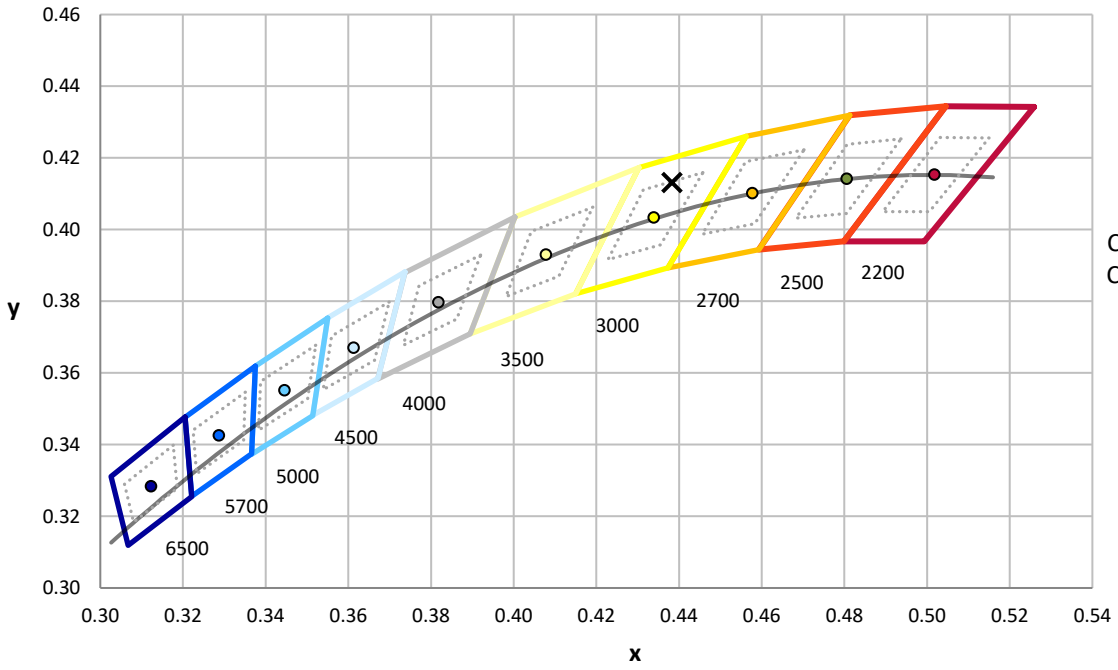
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

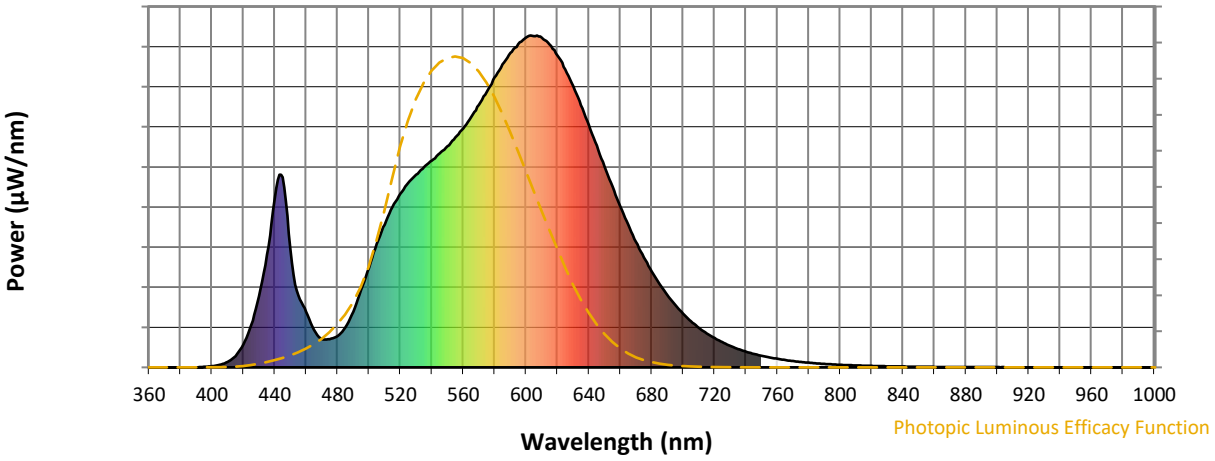


CCT = 3050K
CIE x = 0.4383
CIE y = 0.4131
Duv = 0.0034

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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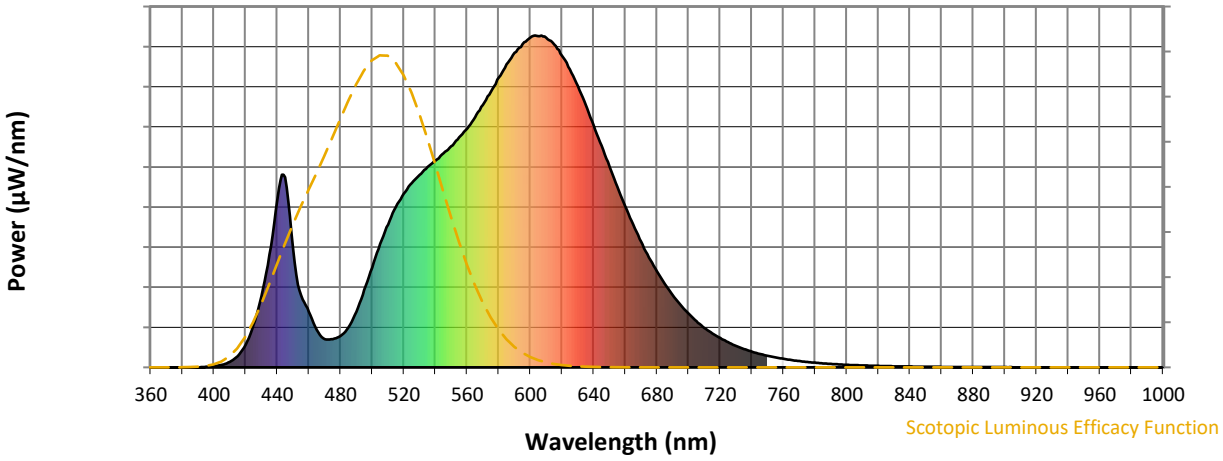
Scotopic Flux vs. Wavelength



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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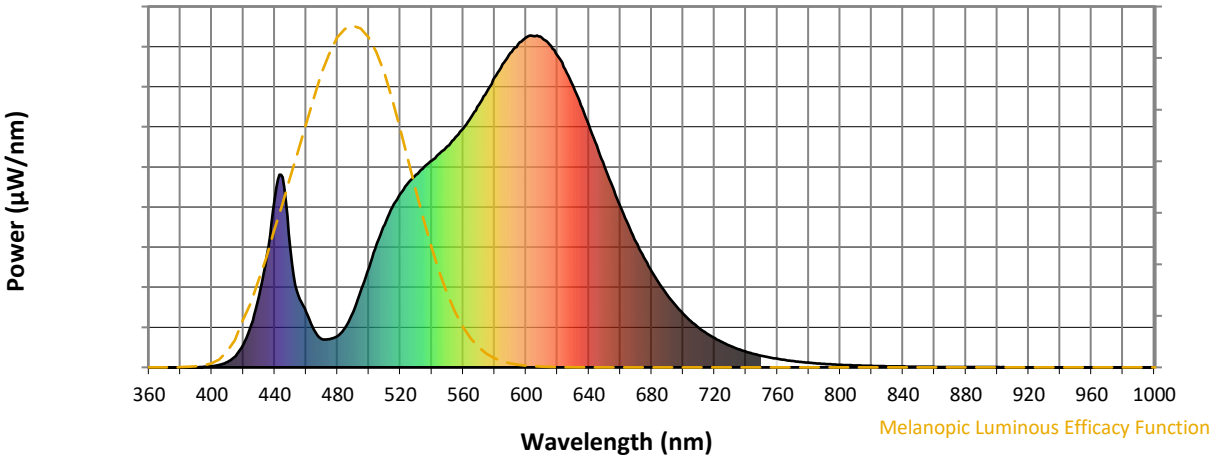
Melanopic Flux vs. Wavelength



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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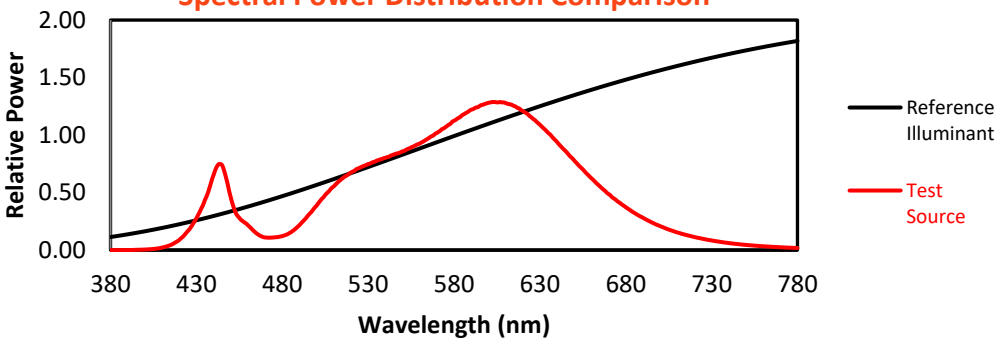
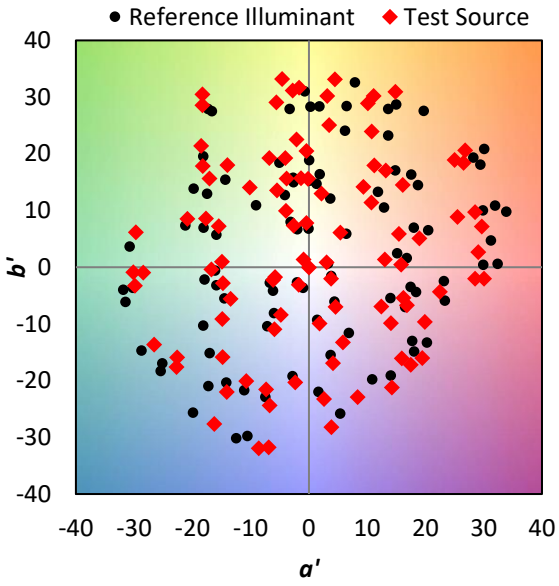
Summary

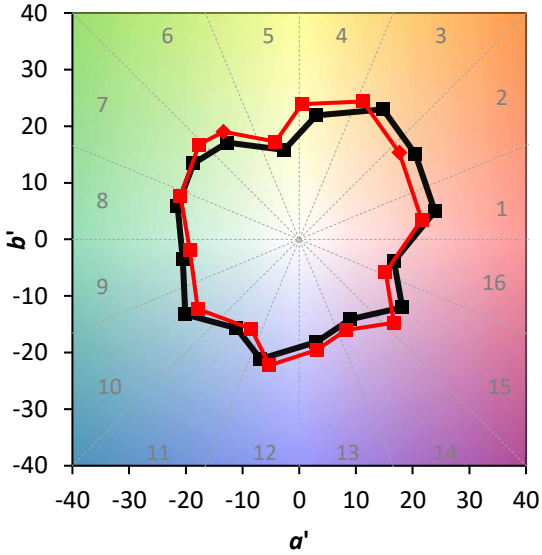
R_f = 81.5
R_g = 99.2
CIE R_a = 81.0
R_9 = 7.1

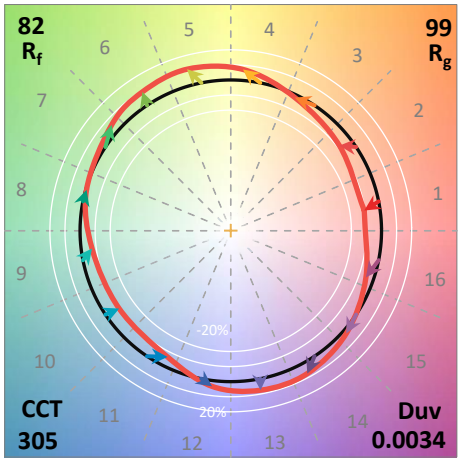
Spectral Power Distribution Comparison

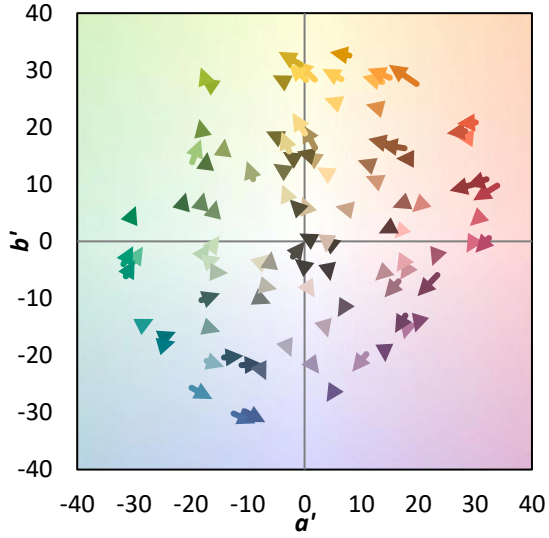


Color Vector Graphics









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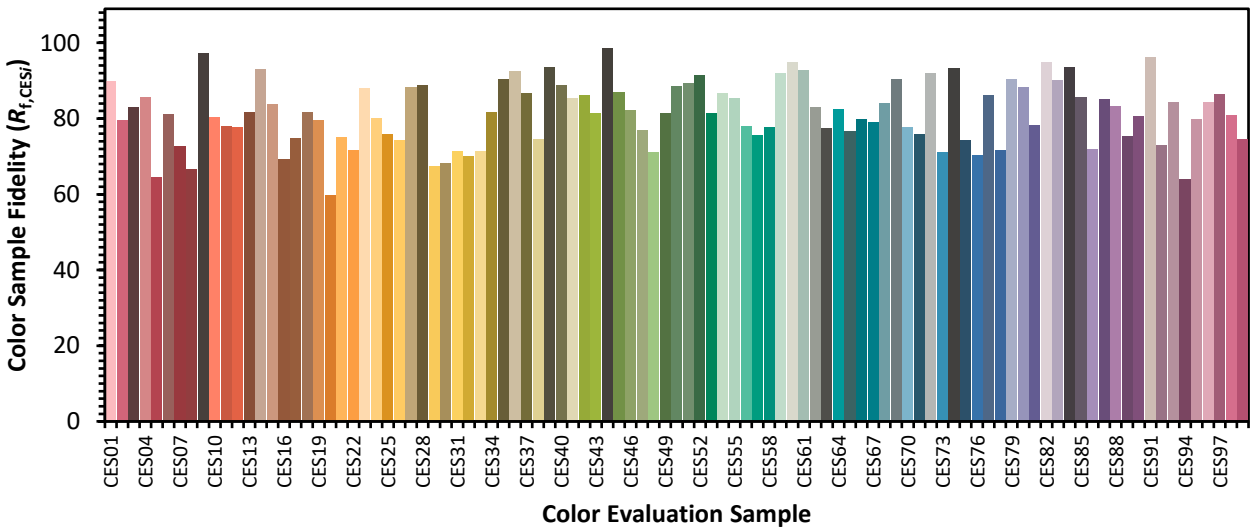
Individual Sample Fidelity Index ($R_{f,i}$)

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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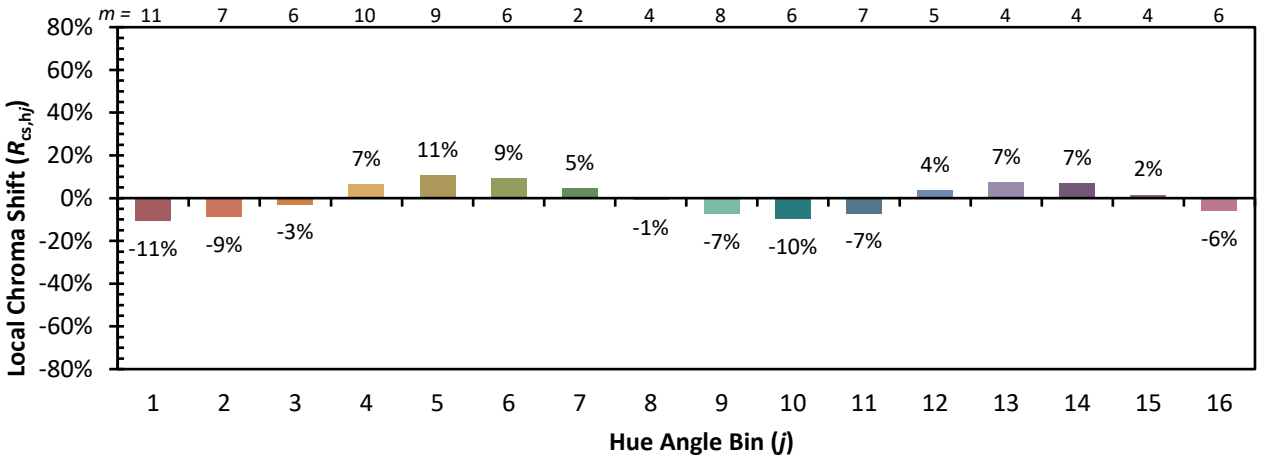
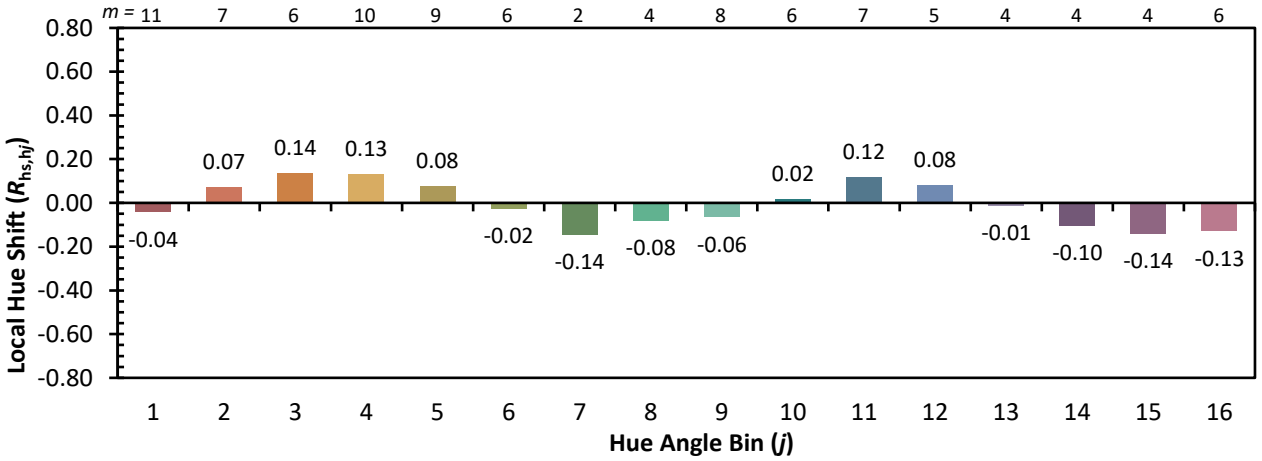
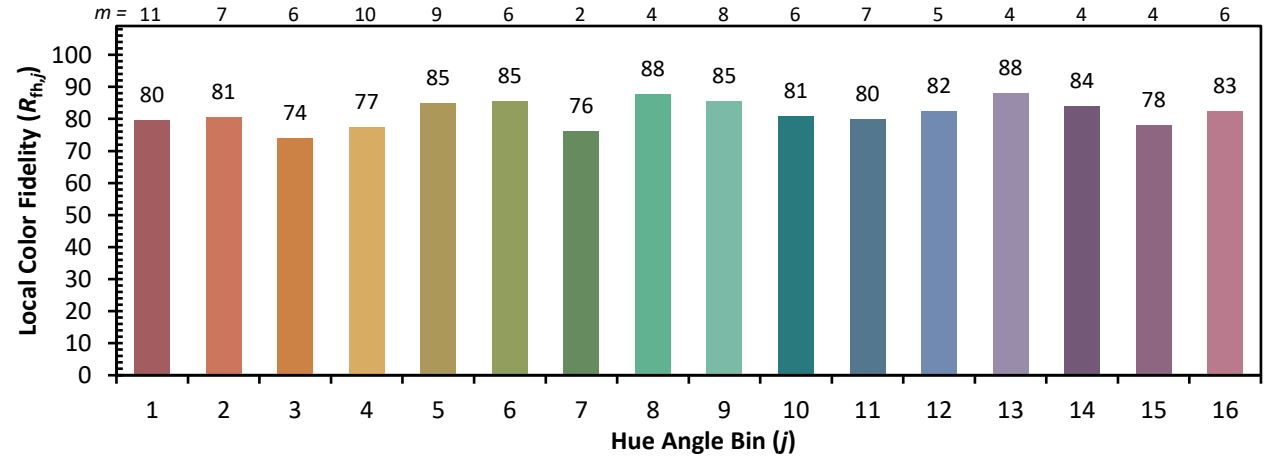
Color Rendition by Hue-Angle Bin







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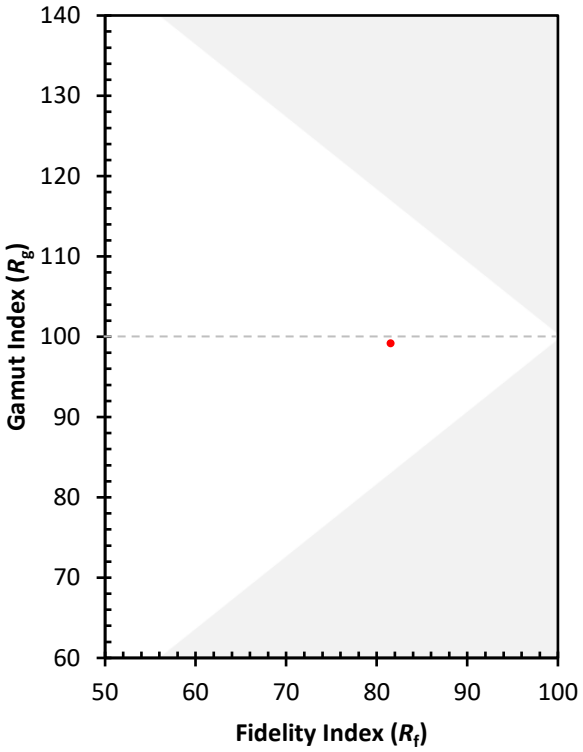
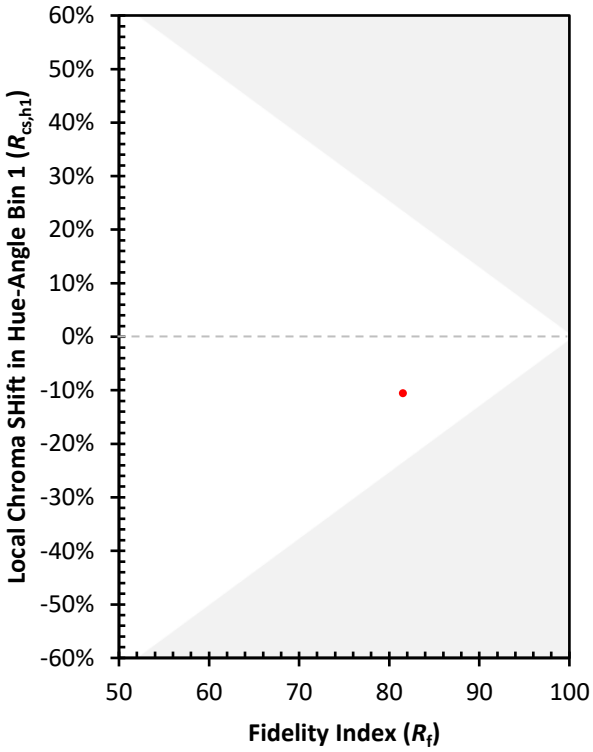
Measure Comparisons





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