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: P324003

Luminaire Tested: **GLEON-SA9B-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:	P324003
	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-SA9B-830-U-SL4-HSS
Description:	GALLEON AREA AND ROADWAY LUMINAIRE
	(9) 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:	32949 lumens
Efficiency:	N/A
Efficacy:	88.1 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):	374
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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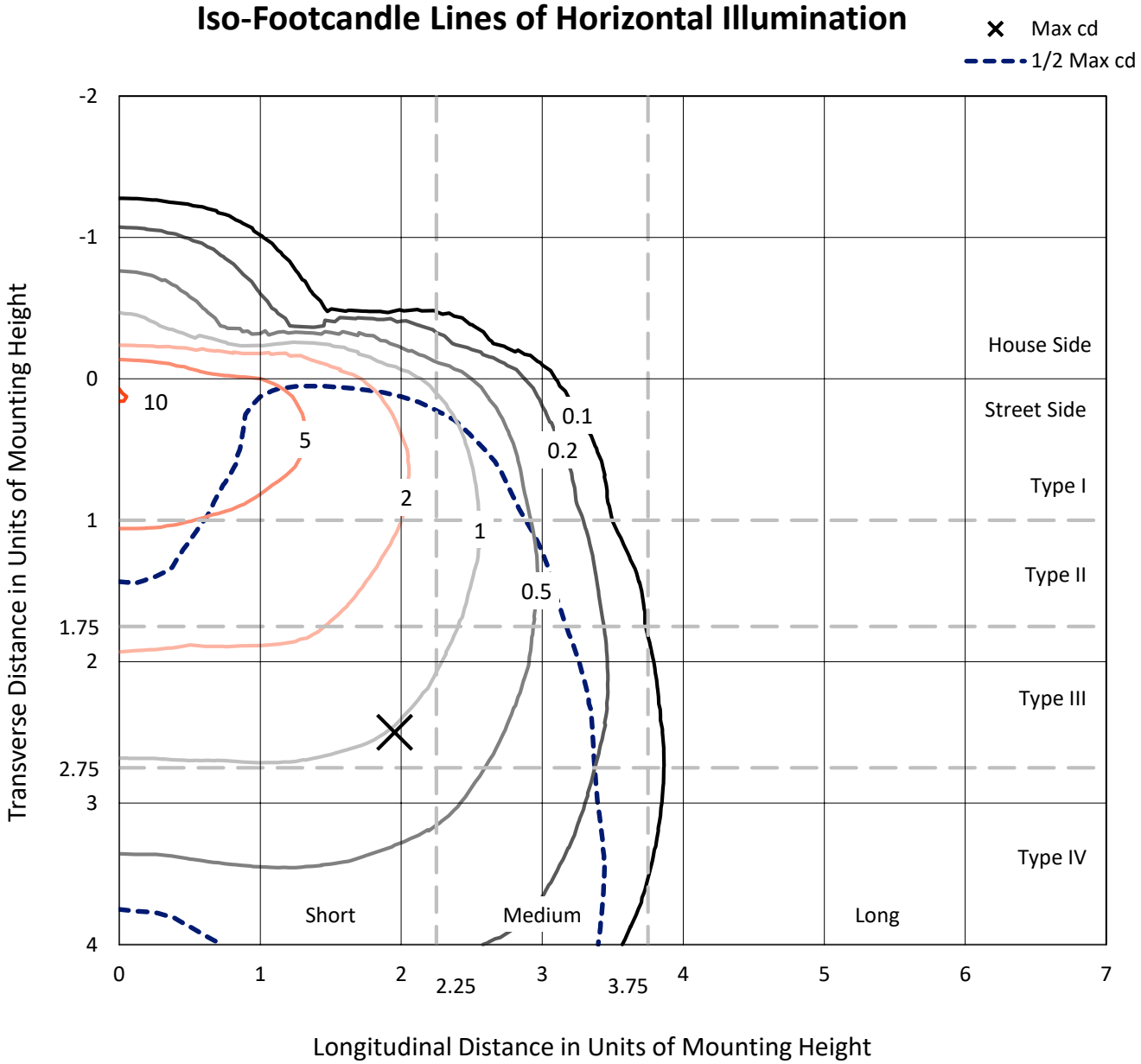
Scaled Data Report

REPORT NUMBER: P324003
CATALOG NUMBER: GLEON-SA9B-830-U-SL4-HSS

Iso-Footcandle Lines of Horizontal Illumination



Based on 25 foot mounting height. Maximum calculated value = 10.2 fc
Type IV - Short - N/A

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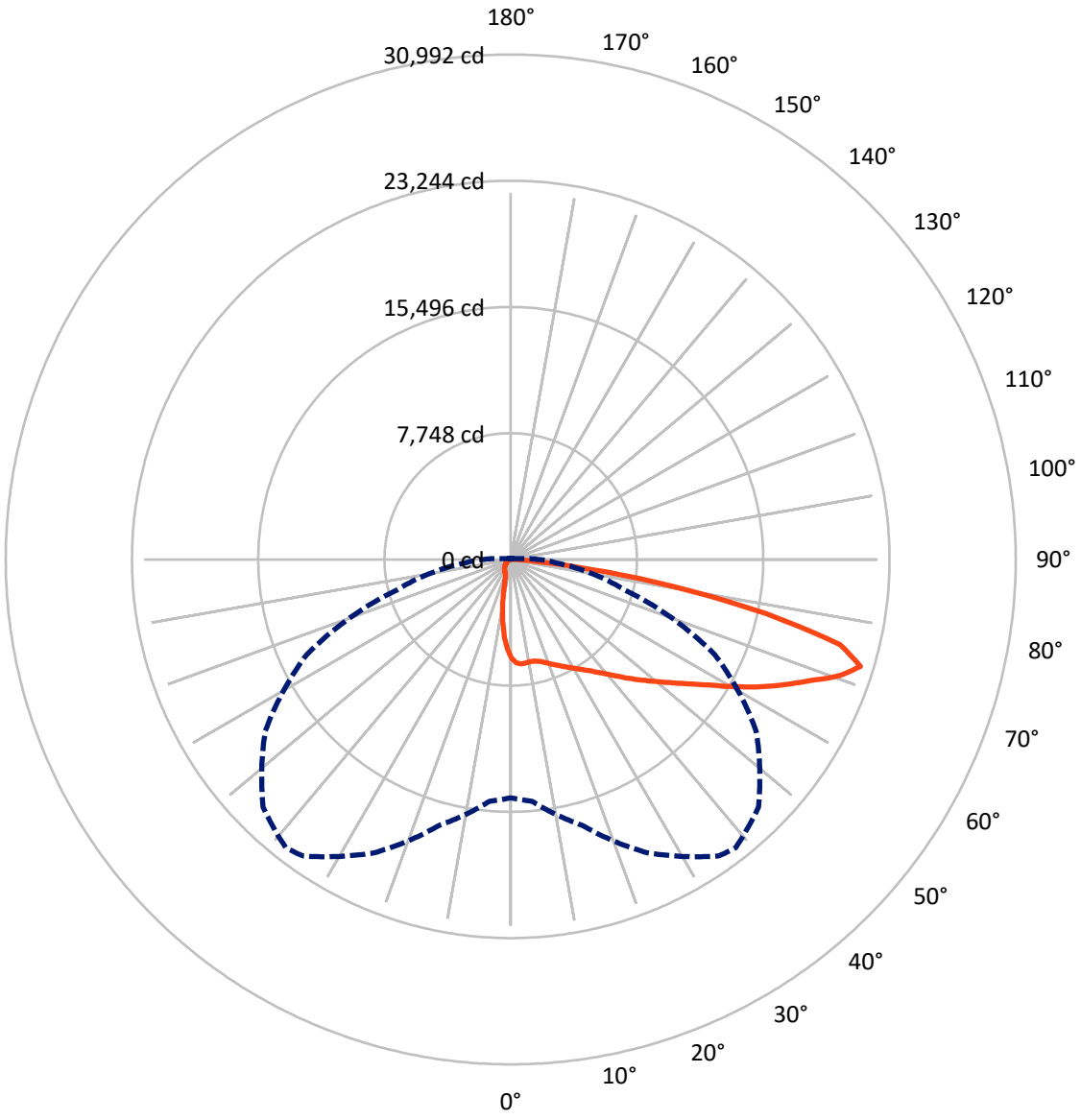
Luminous Intensity Polar Plot



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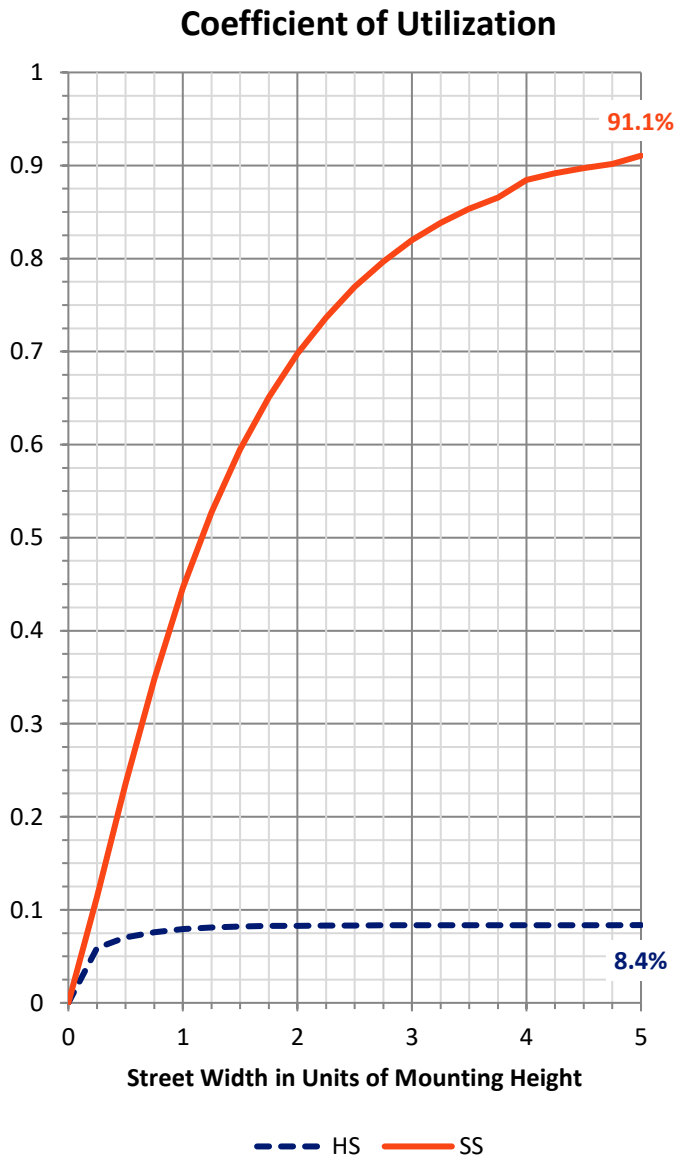
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2772.8	0.0	2772.8
	% Fixture	8.4	0.0	8.4
Street Side	Lumens	30176.2	0.0	30176.2
	% Fixture	91.6	0.0	91.6
Total	Lumens	32949.0	0.0	32949.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	516.4	1.6
10°-20°	1262.6	3.8
20°-30°	2008.2	6.1
30°-40°	3019.1	9.2
40°-50°	4605.8	14.0
50°-60°	6509.5	19.8
60°-70°	8165.1	24.8
70°-80°	6105.2	18.5
80°-90°	757.0	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°	32949.0	100.0
0°-180°	32949.0	100.0



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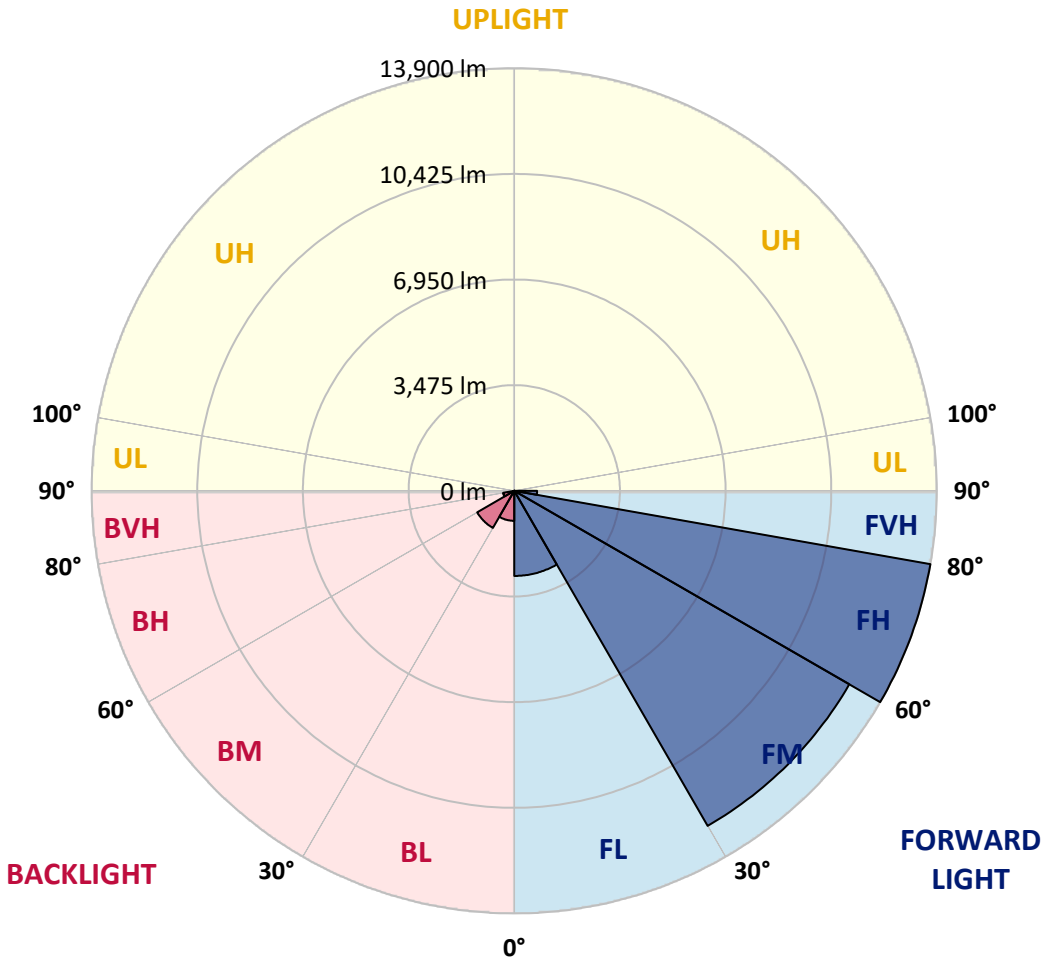
LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	2799.9	8.5			
FM	(30°-60°)	12726.4	38.6			
FH	(60°-80°)	13900.0	42.2			G5
FVH	(80°-90°)	750.0	2.3			G4/750
BL	(0°-30°)	987.3	3.0	B2/1000		
BM	(30°-60°)	1408.1	4.3	B2/2500		
BH	(60°-80°)	370.4	1.1	B1/500		G1/500
BVH	(80°-90°)	7.1	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: P324003
CATALOG NUMBER: GLEON-SA9B-830-U-SL4-HSS

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	38°	45°	55°	65°	75°	85°
0°	6059.2	6059.2	6059.2	6059.2	6059.2	6059.2	6059.2	6059.2	6059.2	6059.2	6059.2
2.5°	6431.4	6432.8	6417.7	6393.1	6361.6	6345.2	6317.8	6274.0	6227.5	6144.1	6053.7
5°	6562.8	6562.8	6543.6	6510.8	6460.1	6445.1	6393.1	6323.3	6227.5	6092.1	5940.2
7.5°	6549.1	6551.8	6525.8	6491.6	6441.0	6427.3	6364.4	6286.4	6167.3	6003.1	5808.8
10°	6477.9	6484.8	6464.3	6447.8	6401.3	6386.3	6327.4	6249.4	6130.4	5955.2	5732.2
12.5°	6405.4	6412.3	6419.1	6434.2	6405.4	6399.9	6353.4	6287.7	6174.2	5992.2	5740.4
15°	6358.9	6372.6	6421.8	6480.7	6487.5	6482.0	6451.9	6390.4	6275.4	6086.6	5799.2
17.5°	6358.9	6380.8	6483.4	6595.6	6635.3	6639.4	6613.4	6527.2	6390.4	6187.8	5854.0
20°	6412.3	6442.4	6602.5	6761.2	6826.9	6826.9	6776.2	6655.8	6495.7	6279.5	5890.9
22.5°	6549.1	6588.8	6789.9	6973.3	7043.1	7028.0	6959.6	6784.5	6605.2	6383.5	5937.4
25°	6818.7	6848.8	7058.1	7242.9	7285.3	7251.1	7164.9	6940.5	6744.8	6524.5	6022.3
27.5°	7166.2	7170.3	7386.5	7542.5	7516.5	7493.3	7385.2	7136.1	6945.9	6725.6	6168.7
30°	7548.0	7548.0	7738.2	7857.3	7777.9	7758.7	7650.6	7372.9	7203.2	6999.3	6376.7
32.5°	7917.5	7933.9	8088.5	8163.8	8074.8	8055.7	7950.3	7672.5	7545.3	7416.7	6701.0
35°	8274.6	8286.9	8433.4	8474.4	8389.6	8395.0	8319.8	8084.4	8036.5	8020.1	7189.5
37.5°	8620.8	8623.6	8772.7	8798.7	8756.3	8802.8	8809.7	8601.7	8690.6	8823.4	7877.8
40°	8936.9	8939.7	9087.5	9154.5	9227.0	9287.2	9340.6	9229.8	9524.0	9831.9	8697.5
42.5°	9190.1	9218.8	9406.3	9533.5	9725.1	9840.1	9985.1	9979.6	10516.0	10978.6	9688.2
45°	9413.1	9462.4	9723.7	9946.8	10275.2	10458.6	10685.7	10863.6	11632.6	12255.3	10691.2
47.5°	9707.3	9753.9	10052.2	10417.5	10855.4	11096.2	11472.5	11857.1	12860.1	13508.7	11671.0
50°	10122.0	10101.4	10395.6	10919.7	11482.1	11798.2	12334.6	12910.7	14078.0	14600.7	12247.1
52.5°	10563.9	10555.7	10773.3	11465.7	12221.1	12590.5	13299.3	14000.0	15242.4	15353.3	12511.2
55°	11111.3	11052.5	11235.8	12088.3	13098.2	13495.0	14329.7	15078.2	16170.2	15777.5	12643.9
57.5°	11684.6	11587.5	11762.6	12782.1	14087.5	14556.9	15471.0	16129.2	16787.4	16067.6	12642.5
60°	12277.2	12162.2	12370.2	13649.6	15316.3	15859.6	16708.0	16839.4	17363.4	16214.0	12549.5
62.5°	12772.5	12704.1	13013.3	14577.4	16688.8	17222.5	17642.6	17485.2	17849.2	16327.6	12331.9
65°	13296.6	13300.7	13800.2	15659.8	18147.5	18507.4	18543.0	18322.7	18255.6	16304.3	11595.7
67.5°	14005.4	14071.1	14904.5	17129.5	19566.5	19844.3	19841.6	19229.9	18552.6	15379.3	9963.2
70°	14755.3	14909.9	16177.1	18811.2	21115.6	21397.4	21252.4	19807.4	17468.8	12435.9	7051.3
72.5°	14629.4	14897.6	16884.5	19871.7	22228.1	22442.9	21500.1	18388.4	13807.0	7227.8	3002.2
75°	11286.4	11597.1	15481.9	18820.8	21060.8	20867.9	18473.2	14309.2	7545.3	2017.0	676.0
77.5°	5962.1	6127.6	10227.3	14337.9	16422.0	16018.3	13013.3	7938.0	2300.3	499.5	303.8
80°	3122.7	3161.0	4456.8	8135.1	10135.6	10138.4	7712.2	3486.6	948.3	255.9	203.9
82.5°	1672.2	1705.0	2355.0	3759.0	5310.7	4814.0	2953.0	1918.5	551.5	145.0	195.7
85°	402.3	409.1	1335.5	1717.3	2088.2	1491.5	877.1	1610.6	149.2	84.8	158.7
87.5°	154.6	157.4	495.4	743.0	532.3	344.8	410.5	600.7	19.2	32.8	24.6
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: P324003
CATALOG NUMBER: GLEON-SA9B-830-U-SL4-HSS

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	6059.2	6059.2	6059.2	6059.2	6059.2	6059.2	6059.2	6059.2	6059.2	6059.2	6059.2
2.5°	5999.0	5963.4	5875.8	5765.0	5666.5	5595.3	5488.6	5418.8	5372.3	5370.9	5353.1
5°	5847.1	5774.6	5585.8	5361.3	5157.4	4974.1	4757.9	4586.8	4459.6	4439.0	4395.3
7.5°	5684.3	5565.2	5275.1	4924.8	4582.7	4235.2	3831.5	3581.1	3366.2	3263.6	3252.7
10°	5584.4	5417.4	5005.6	4499.3	3962.8	3397.7	2869.5	2504.1	2240.0	2164.8	2108.7
12.5°	5563.9	5343.5	4797.6	4099.7	3333.4	2586.2	2001.9	1613.3	1402.6	1335.5	1317.8
15°	5584.4	5309.3	4622.4	3704.2	2695.7	1835.0	1343.8	1118.0	1038.6	1019.4	1018.1
17.5°	5596.7	5268.3	4424.0	3265.0	2077.2	1310.9	1029.0	963.3	951.0	949.7	952.4
20°	5595.3	5205.3	4187.3	2775.1	1544.9	1030.4	930.5	916.8	914.1	915.5	914.1
22.5°	5585.8	5131.4	3927.3	2270.2	1167.2	920.9	888.1	879.9	878.5	878.5	878.5
25°	5603.5	5072.6	3641.3	1787.1	962.0	870.3	849.8	842.9	841.6	841.6	838.8
27.5°	5667.9	5039.8	3327.9	1375.2	868.9	825.1	808.7	807.3	803.2	801.9	804.6
30°	5771.9	5039.8	2984.4	1070.1	812.8	778.6	766.3	763.6	762.2	760.8	762.2
32.5°	5955.2	5078.1	2609.5	889.5	759.5	726.6	718.4	722.5	718.4	718.4	718.4
35°	6286.4	5193.0	2216.8	775.9	703.4	676.0	667.8	673.2	670.5	670.5	669.1
37.5°	6769.4	5406.5	1821.3	707.5	654.1	625.4	614.4	622.6	619.9	619.9	618.5
40°	7357.8	5717.1	1445.0	655.5	606.2	576.1	566.5	570.6	563.8	563.8	566.5
42.5°	8084.4	6111.2	1116.6	604.8	558.3	529.6	524.1	520.0	507.7	500.8	502.2
45°	8891.8	6521.7	870.3	555.6	513.1	489.9	481.7	470.7	450.2	436.5	437.9
47.5°	9612.9	6837.8	707.5	507.7	472.1	454.3	442.0	421.5	391.4	374.9	376.3
50°	9992.0	6885.7	602.1	459.8	433.8	416.0	398.2	366.7	331.1	313.4	312.0
52.5°	10089.1	6661.3	524.1	416.0	395.5	374.9	351.7	309.3	269.6	250.4	247.7
55°	10124.7	6319.2	454.3	374.9	354.4	331.1	301.0	253.2	216.2	197.0	195.7
57.5°	10007.0	5808.8	399.6	338.0	313.4	284.6	247.7	202.5	166.9	151.9	151.9
60°	9745.6	5117.8	357.1	298.3	270.9	238.1	199.8	157.4	124.5	112.2	112.2
62.5°	9224.3	4222.8	317.5	257.3	231.3	197.0	161.5	119.0	87.6	80.7	82.1
65°	8240.4	3203.4	277.8	220.3	197.0	162.8	125.9	84.8	58.8	58.8	61.6
67.5°	6720.1	2225.0	236.7	187.5	169.7	132.7	95.8	58.8	41.1	46.5	52.0
70°	4448.6	1248.0	202.5	154.6	145.0	105.4	71.2	39.7	32.8	43.8	53.4
72.5°	*1679.0*	*485.8*	*169.7*	*124.5*	*125.9*	*80.7*	*50.6*	*30.1*	*30.1*	*47.9*	*62.9*
75°	468.0	238.1	121.8	91.7	98.5	58.8	36.9	26.0	28.7	54.7	73.9
77.5°	275.0	175.2	79.4	53.4	67.1	41.1	24.6	20.5	24.6	46.5	71.2
80°	221.7	93.1	46.5	27.4	36.9	23.3	16.4	12.3	6.8	17.8	36.9
82.5°	221.7	56.1	21.9	19.2	19.2	12.3	8.2	5.5	1.4	0.0	9.6
85°	149.2	23.3	13.7	12.3	9.6	4.1	2.7	1.4	0.0	0.0	0.0
87.5°	24.6	9.6	5.5	2.7	1.4	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

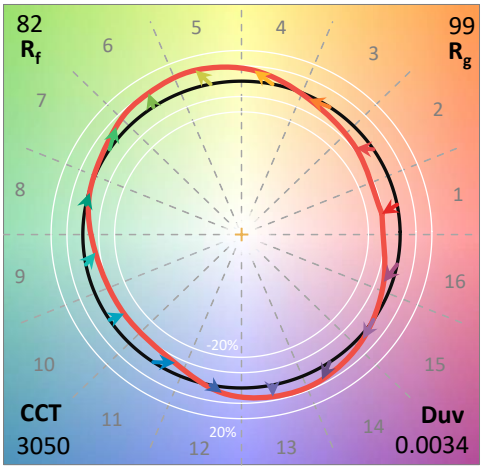
Test Information

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

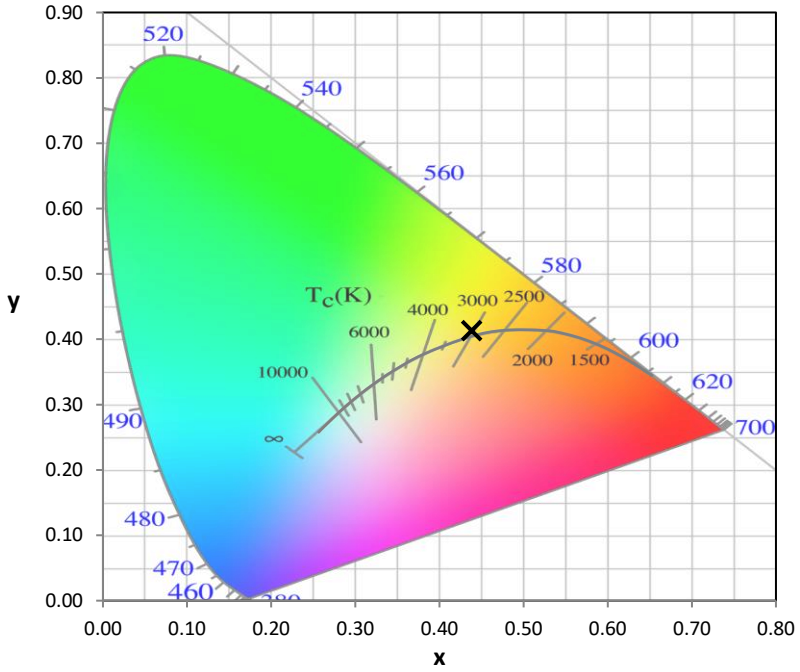
Stabilization Time:	20M
Operation Time:	1H 20M
Sphere Temperature (°C):	24.2

REPORT NUMBER: SP1-2408-195-9

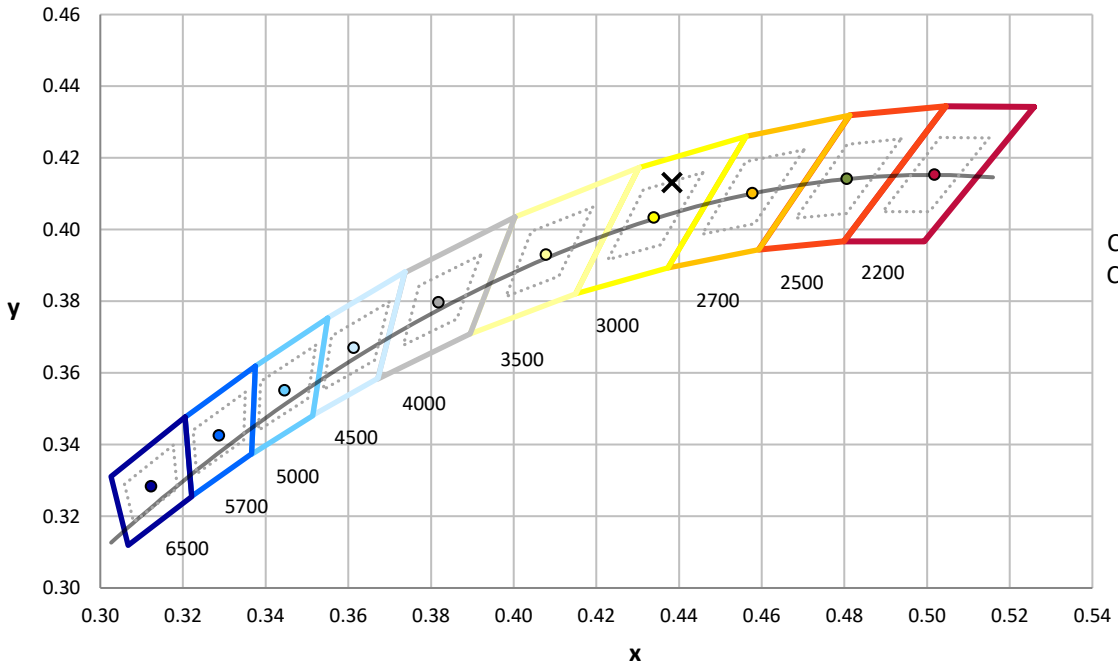
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

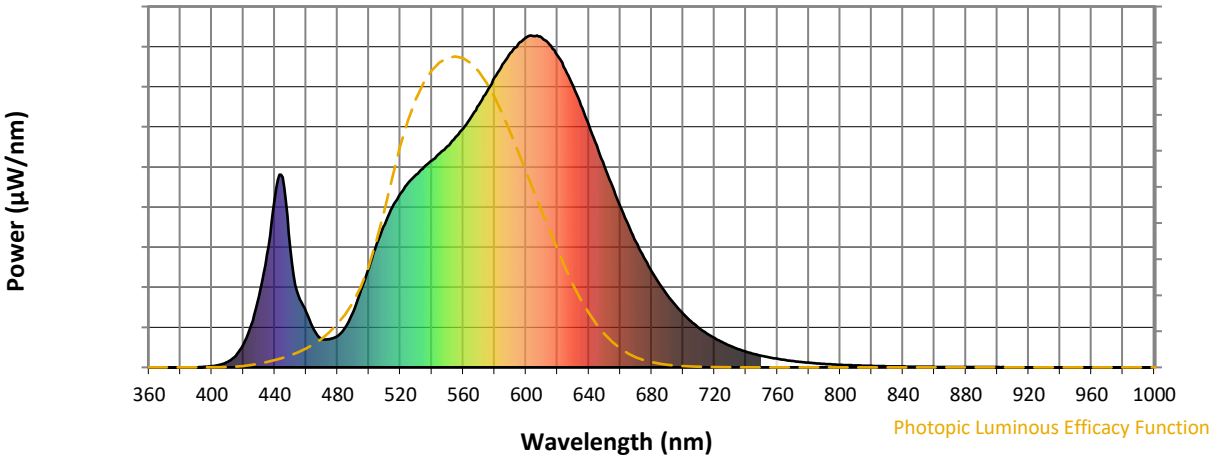


CCT = 3050K
CIE x = 0.4383
CIE y = 0.4131
Duv = 0.0034

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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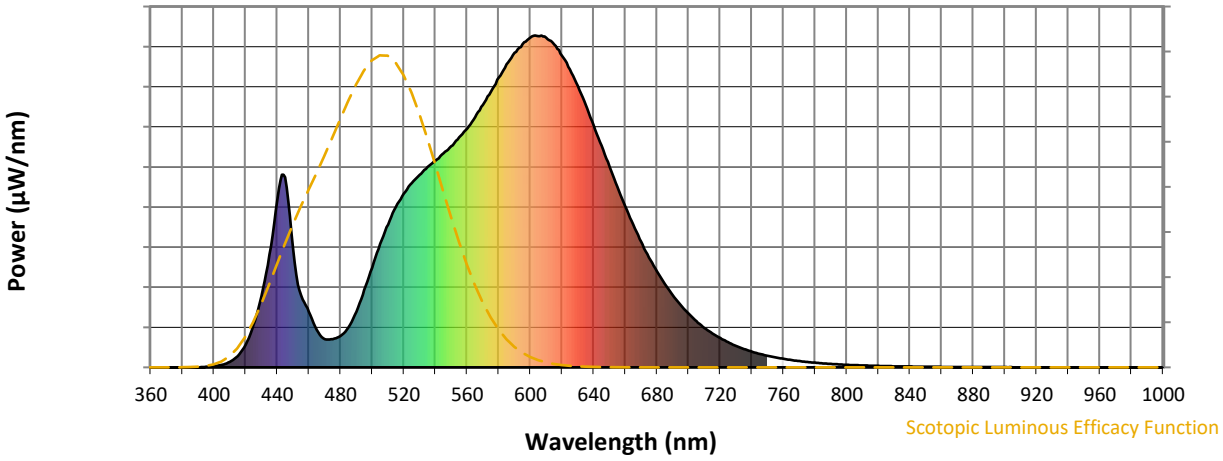
Scotopic Flux vs. Wavelength



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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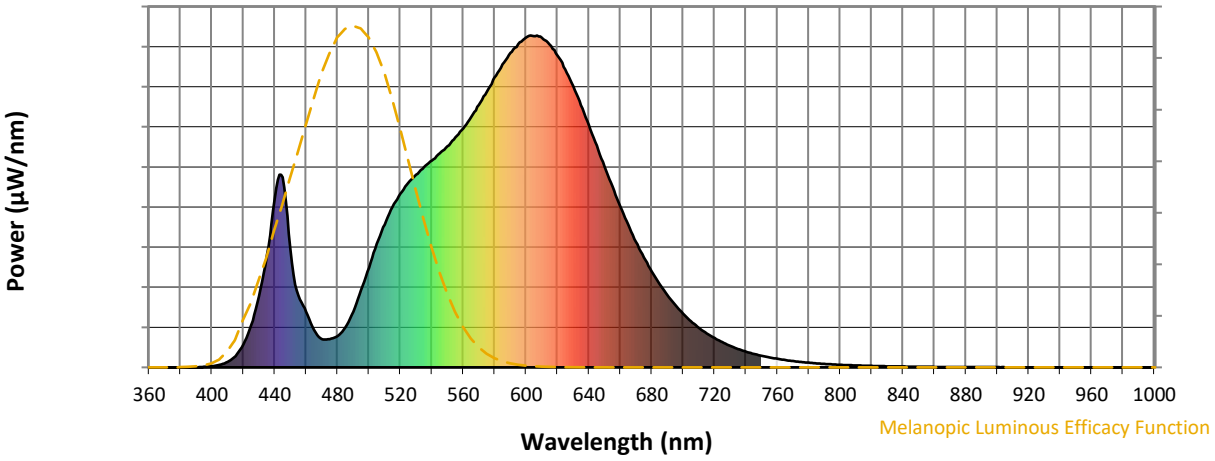
Melanopic Flux vs. Wavelength



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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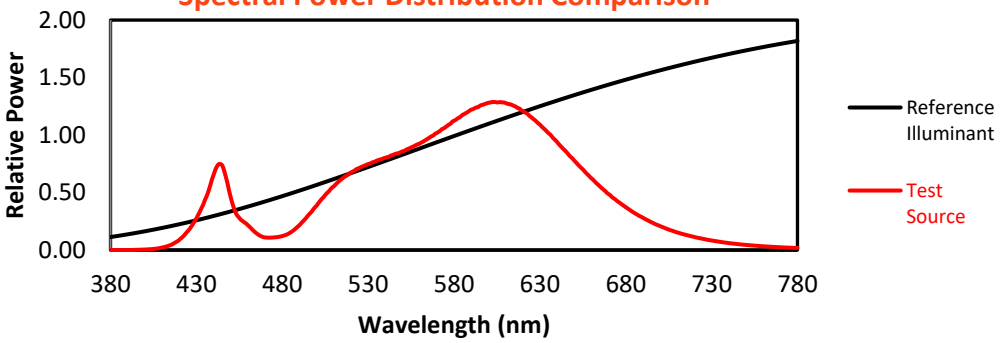
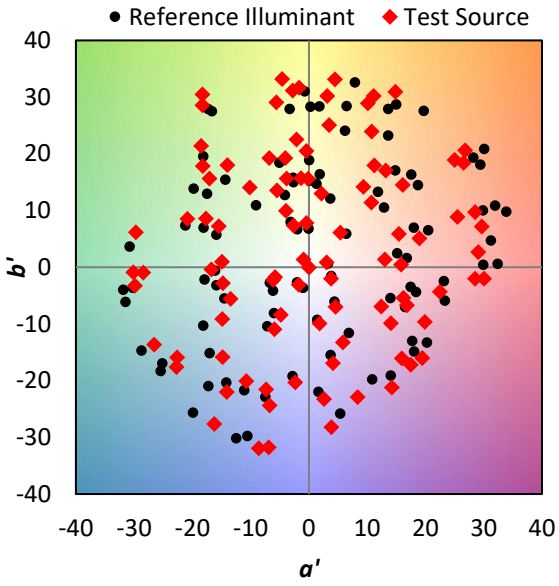
Summary

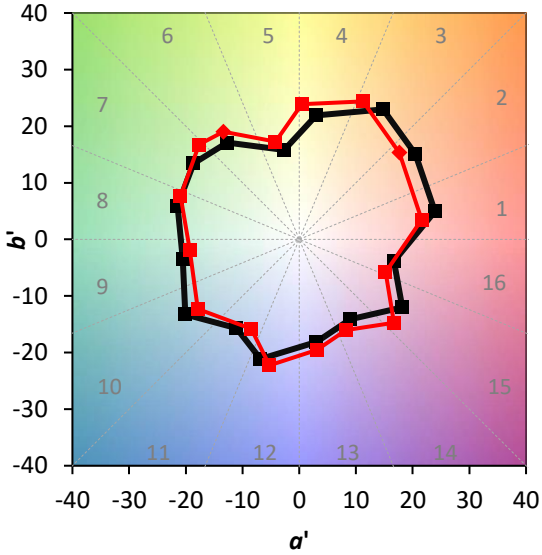
R_f = 81.5
R_g = 99.2
CIE R_a = 81.0
R_9 = 7.1

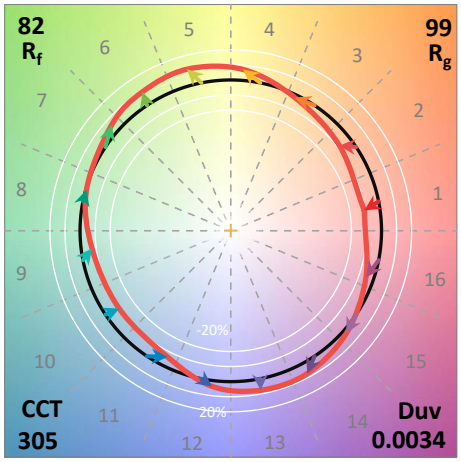
Spectral Power Distribution Comparison

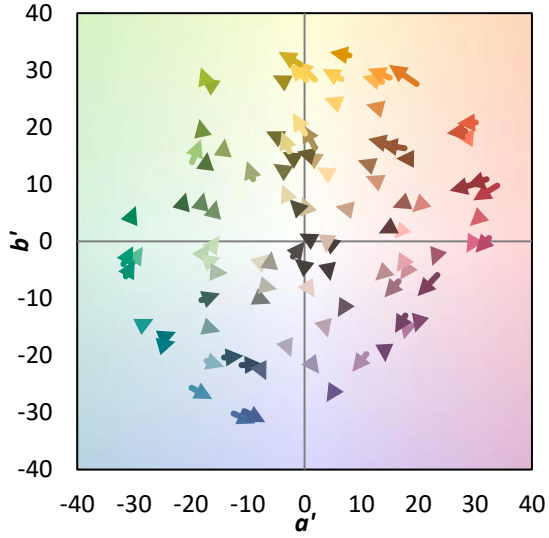


Color Vector Graphics









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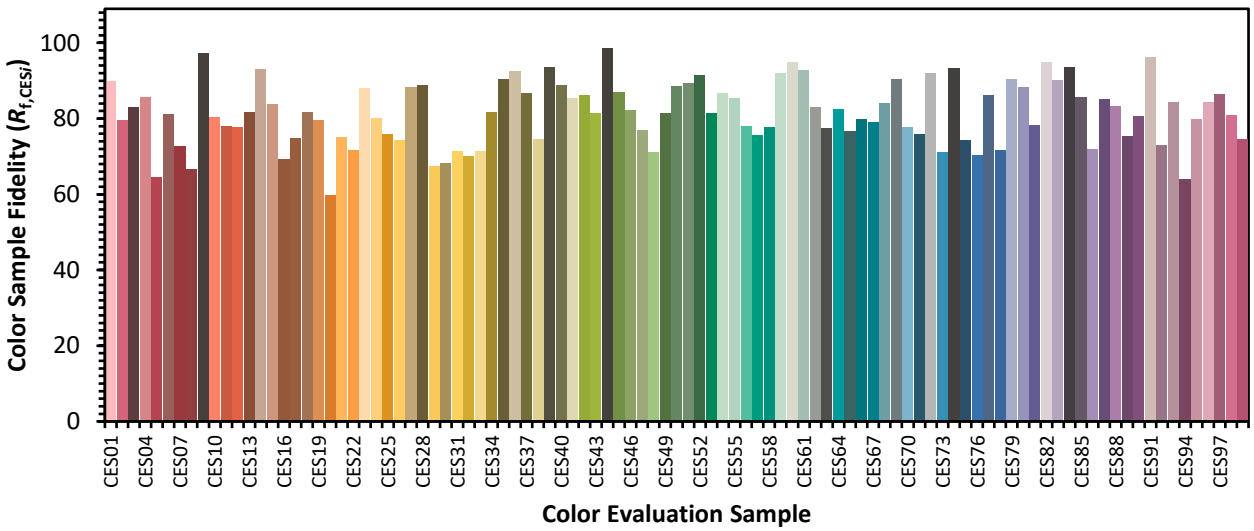
Individual Sample Fidelity Index ($R_{f,i}$)

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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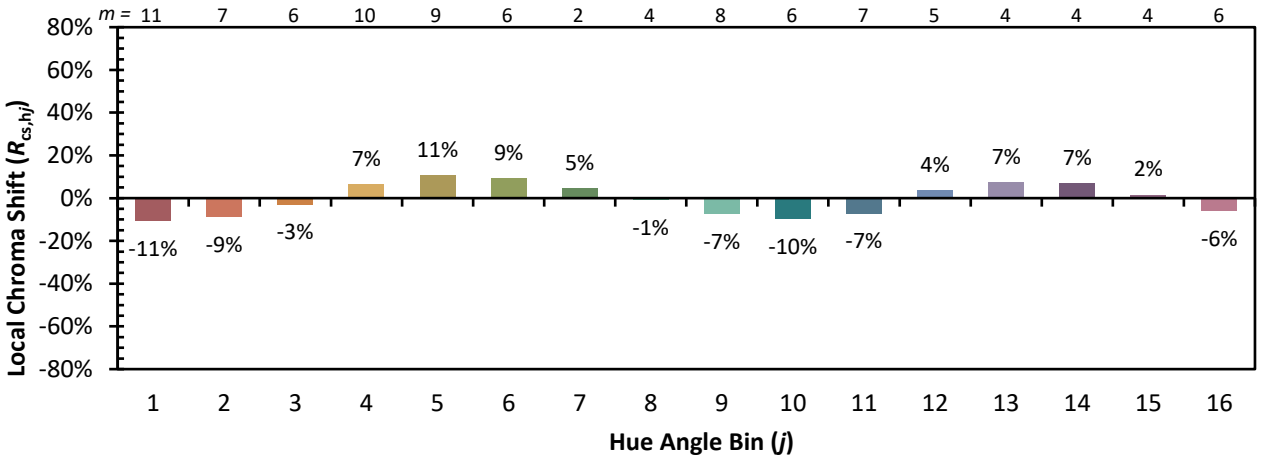
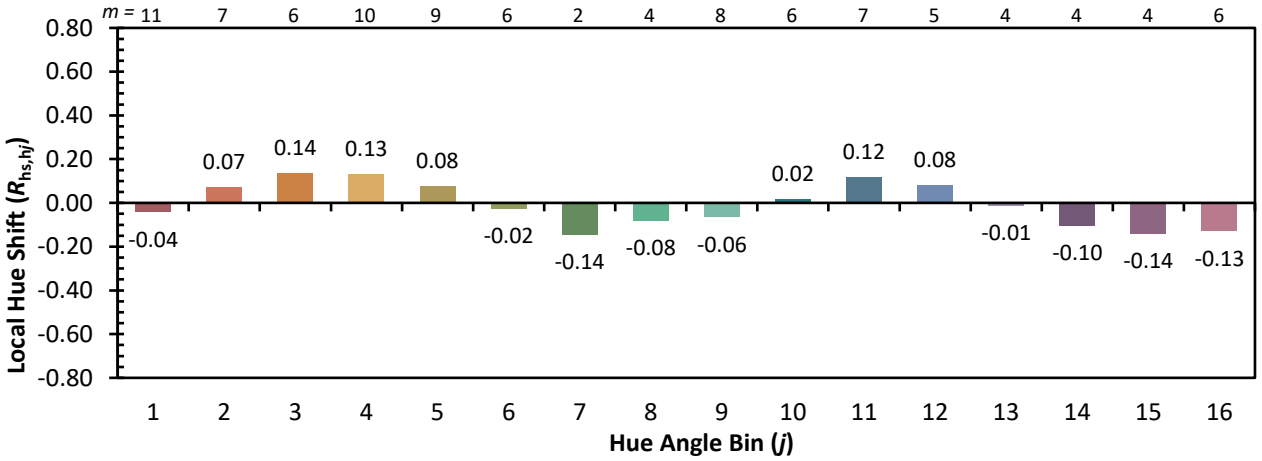
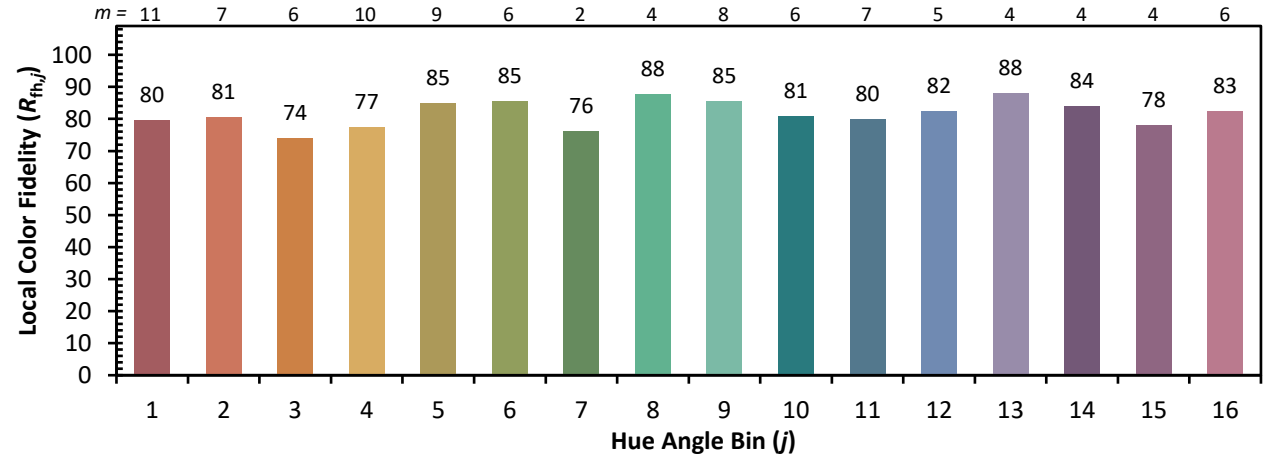
Color Rendition by Hue-Angle Bin







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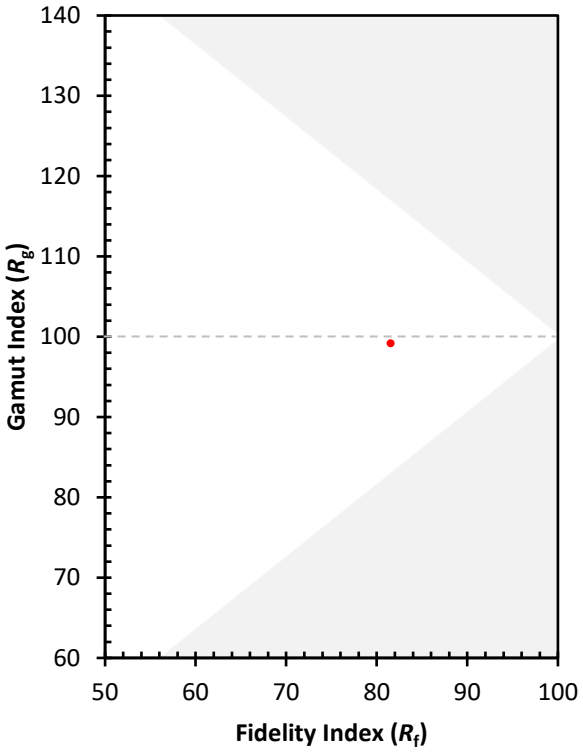
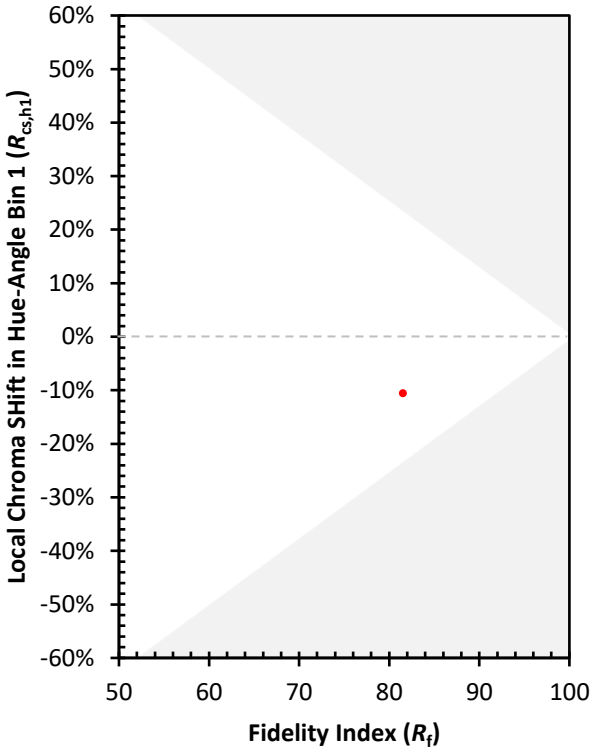
Measure Comparisons





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