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: P323689

Luminaire Tested: **GLEON-SA5C-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:	P323689
	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-SA5C-830-U-SL3-HSS
Description:	GALLEON AREA AND ROADWAY LUMINAIRE
	(5) 80 CRI, 3000K, 1050mA 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:	23999 lumens
Efficiency:	N/A
Efficacy:	86.0 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):	279
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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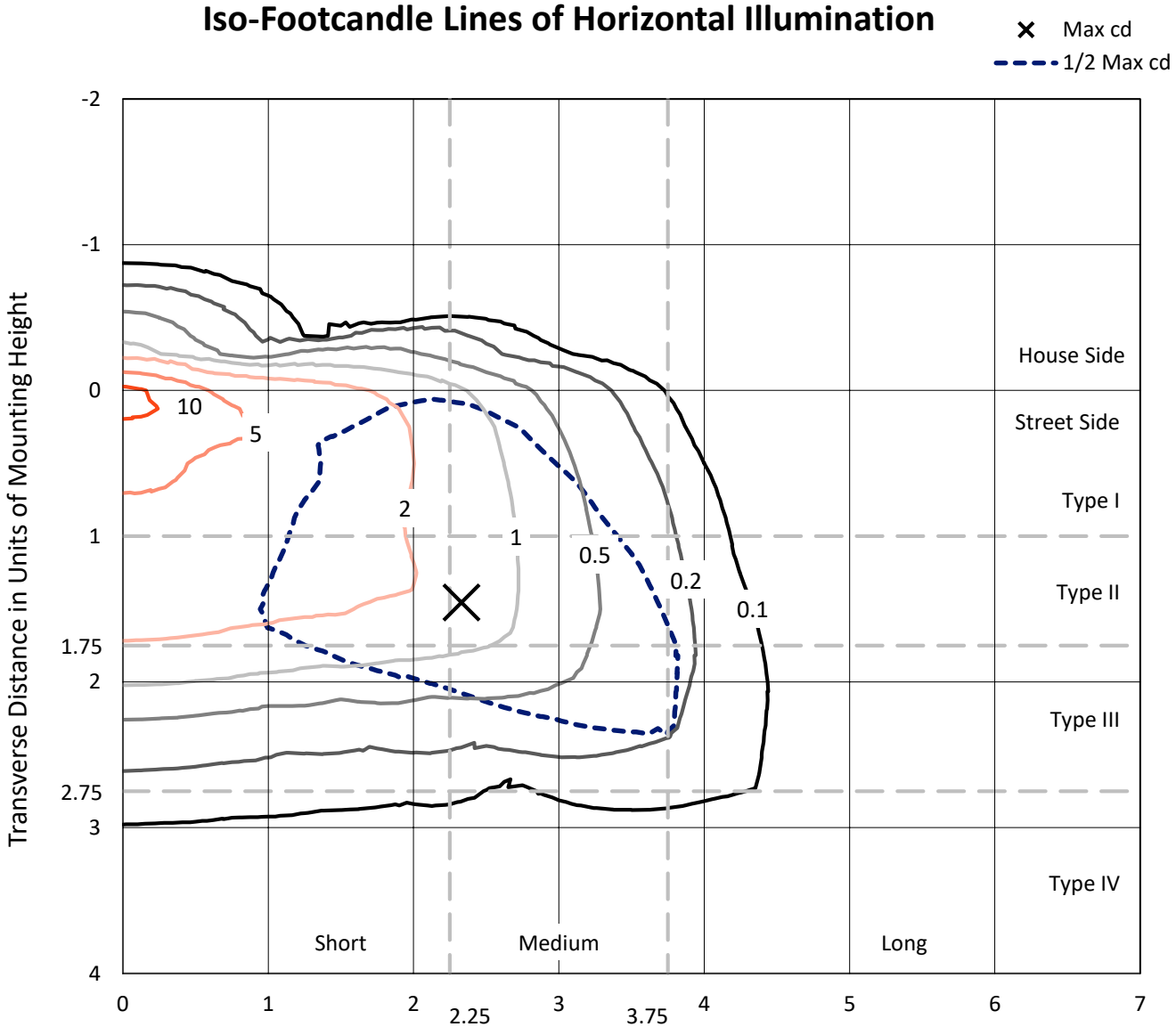
Scaled Data Report

REPORT NUMBER: P323689
CATALOG NUMBER: GLEON-SA5C-830-U-SL3-HSS

Iso-Footcandle Lines of Horizontal Illumination



Based on 25 foot mounting height. Maximum calculated value = 11.5 fc
Type III - Medium - N/A

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Scaled Data Report

REPORT NUMBER: P323689
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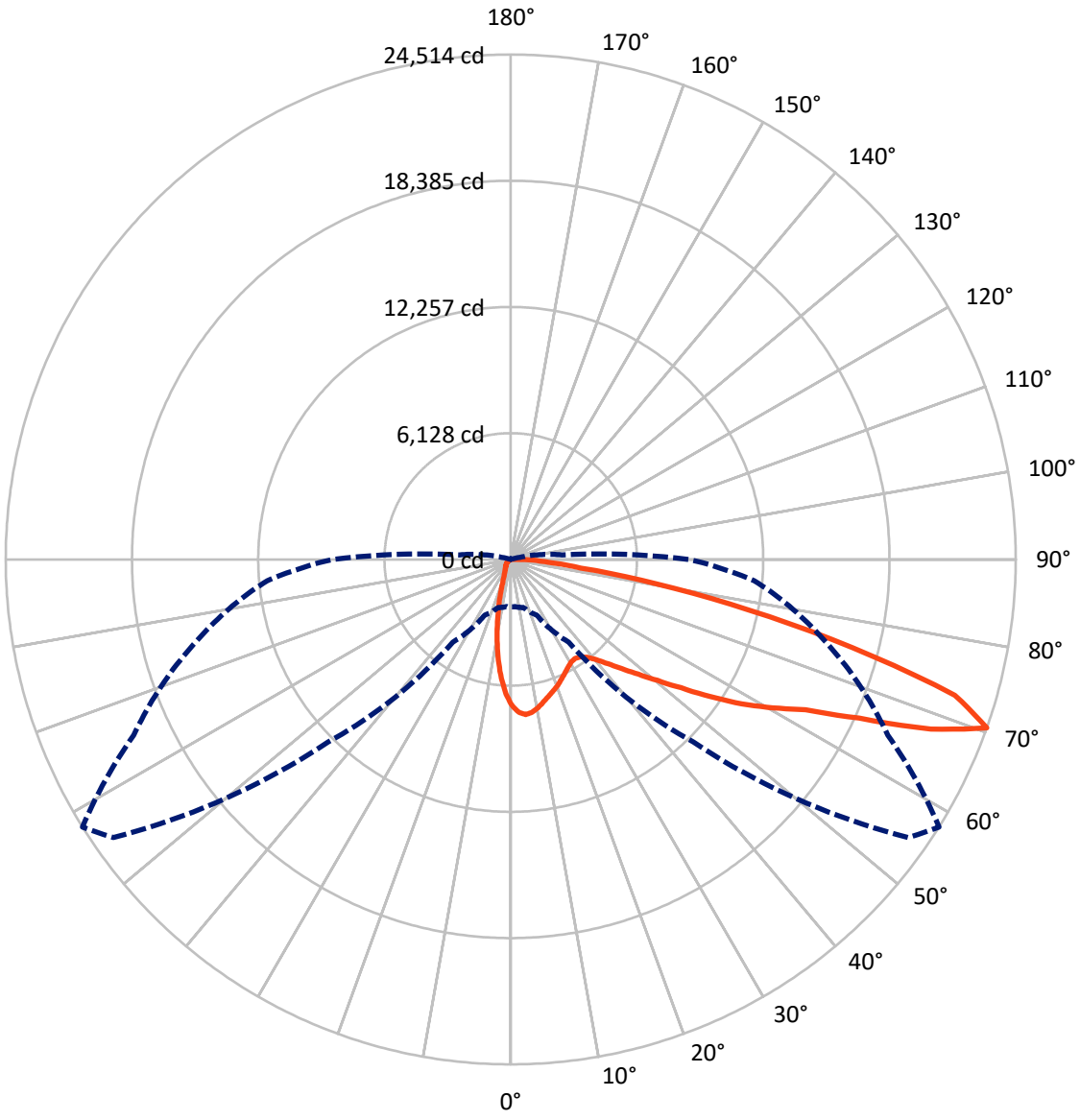
Luminous Intensity Polar Plot



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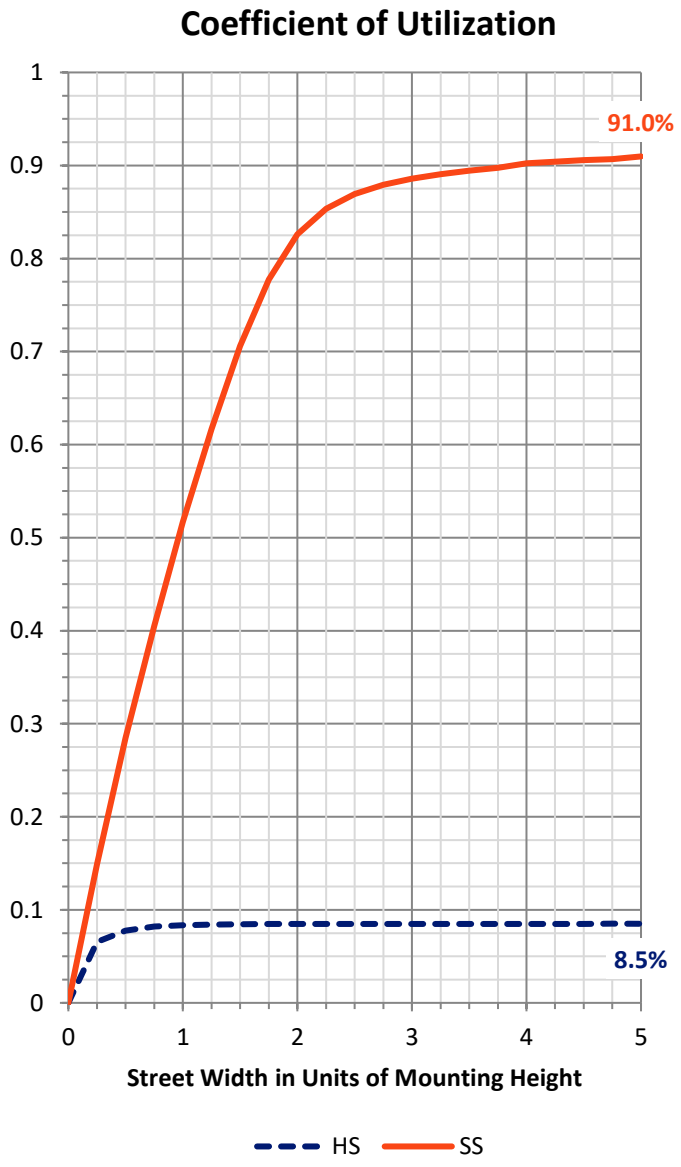
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2053.8	0.0	2053.8
	% Fixture	8.6	0.0	8.6
Street Side	Lumens	21945.2	0.0	21945.2
	% Fixture	91.4	0.0	91.4
Total	Lumens	23999.0	0.0	23999.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	579.7	2.4
10°-20°	1216.7	5.1
20°-30°	1599.5	6.7
30°-40°	2118.4	8.8
40°-50°	3166.3	13.2
50°-60°	5072.3	21.1
60°-70°	6393.6	26.6
70°-80°	3448.7	14.4
80°-90°	403.7	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°	23999.0	100.0
0°-180°	23999.0	100.0



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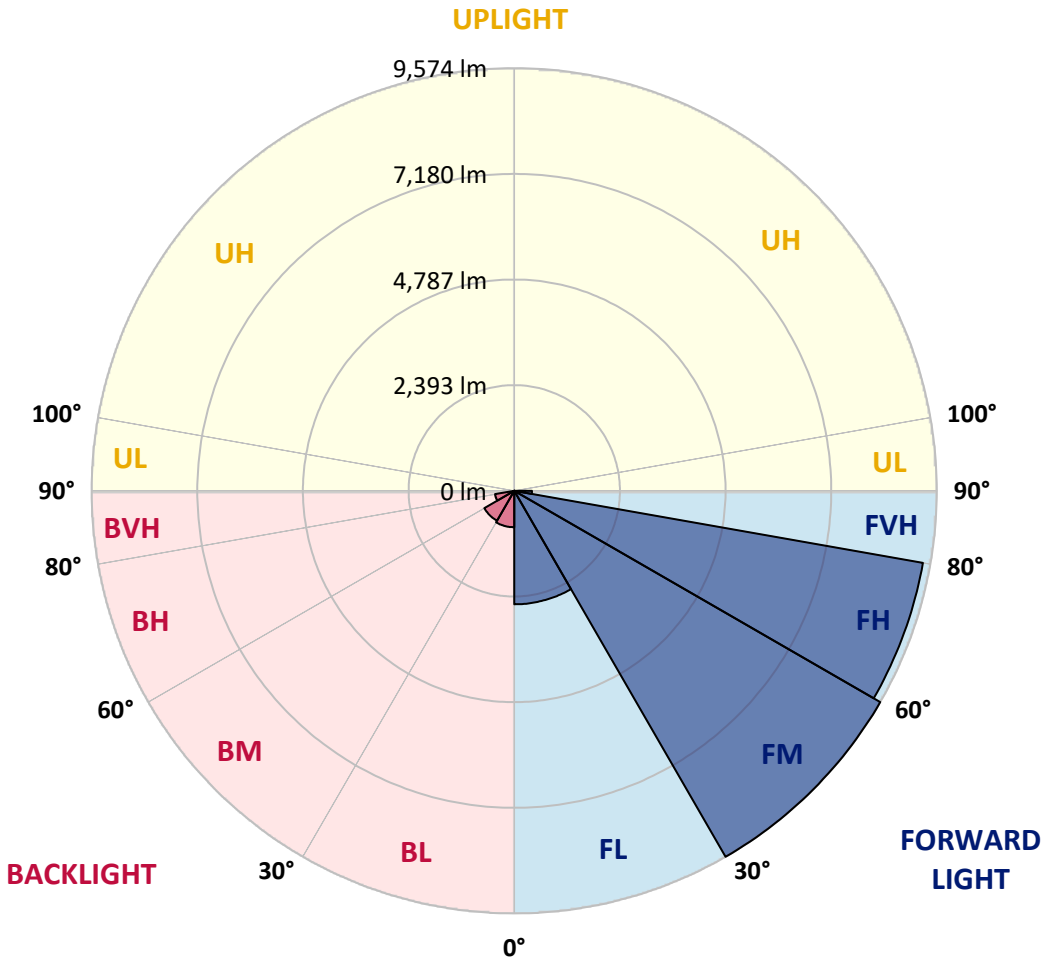
Scaled Data Report

REPORT NUMBER: P323689
CATALOG NUMBER: GLEON-SA5C-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°)	2570.8	10.7			
FM	(30°-60°)	9573.6	39.9			
FH	(60°-80°)	9400.7	39.2			G4/12000
FVH	(80°-90°)	400.2	1.7			G3/500
BL	(0°-30°)	825.1	3.4	B2/1000		
BM	(30°-60°)	783.5	3.3	B1/1000		
BH	(60°-80°)	441.7	1.8	B1/500		G1/500
BVH	(80°-90°)	3.5	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: P323689
CATALOG NUMBER: GLEON-SA5C-830-U-SL3-HSS

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	58°	65°	75°	85°
0°	7089.2	7089.2	7089.2	7089.2	7089.2	7089.2	7089.2	7089.2	7089.2	7089.2	7089.2
2.5°	7677.0	7658.0	7651.0	7639.0	7593.1	7548.2	7459.4	7434.5	7378.6	7245.9	7105.2
5°	7683.0	7682.0	7702.9	7697.9	7682.0	7661.0	7597.1	7564.2	7469.4	7279.8	7022.3
7.5°	7312.7	7331.7	7378.6	7416.5	7460.4	7517.3	7525.3	7493.3	7415.5	7210.9	6869.6
10°	6815.8	6845.7	6911.6	6986.4	7101.2	7214.9	7316.7	7312.7	7285.8	7084.2	6686.0
12.5°	6317.8	6352.7	6428.6	6539.3	6702.0	6887.6	7069.2	7094.2	7139.1	6970.4	6516.4
15°	5881.7	5911.7	5986.5	6122.2	6323.8	6573.3	6839.7	6885.6	7001.4	6881.6	6374.7
17.5°	5511.5	5530.4	5585.3	5736.0	5969.5	6271.9	6618.2	6708.0	6880.6	6811.8	6251.9
20°	5253.0	5256.0	5291.9	5397.7	5631.2	5969.5	6388.7	6517.4	6752.9	6751.9	6125.2
22.5°	5125.3	5115.3	5122.3	5183.2	5354.8	5681.1	6159.1	6311.8	6638.1	6701.0	5996.5
25°	5101.3	5093.4	5073.4	5081.4	5185.2	5428.7	5927.6	6104.2	6537.3	6670.1	5884.7
27.5°	5176.2	5184.2	5150.2	5114.3	5122.3	5265.0	5722.0	5926.6	6455.5	6670.1	5805.9
30°	5326.9	5330.9	5305.9	5259.0	5196.1	5219.1	5579.3	5783.9	6414.6	6716.0	5756.0
32.5°	5493.5	5515.5	5512.5	5474.6	5384.8	5291.9	5545.4	5732.0	6411.6	6817.8	5751.0
35°	5700.1	5725.0	5767.0	5759.0	5665.2	5512.5	5661.2	5807.9	6470.5	6985.4	5804.9
37.5°	5919.6	5957.6	6047.4	6090.3	6029.4	5856.8	5920.6	6025.4	6628.2	7256.8	5941.6
40°	6132.2	6175.1	6338.8	6507.4	6461.5	6283.9	6313.8	6397.6	6908.6	7647.0	6201.0
42.5°	6340.8	6404.6	6645.1	6922.5	6977.4	6835.7	6851.7	6918.5	7324.7	8183.9	6625.2
45°	6590.2	6662.1	7018.3	7360.6	7507.3	7445.4	7513.3	7557.2	7868.6	8893.4	7197.0
47.5°	6956.5	7039.3	7476.4	7866.6	8124.0	8163.9	8300.7	8329.6	8556.1	9719.7	7942.4
50°	7671.0	7693.9	8089.1	8443.4	8814.6	9054.1	9209.8	9231.7	9388.4	10622.8	8873.5
52.5°	8570.1	8585.1	8808.6	9046.1	9468.2	9957.2	10321.4	10352.4	10385.3	11503.0	9792.5
55°	9463.2	9461.2	9608.9	9748.6	10231.6	10942.1	11732.5	11751.5	11514.9	12338.2	10495.1
57.5°	10021.1	10075.0	10299.5	10479.1	11153.7	12064.8	13161.5	13231.4	12701.5	12956.9	11189.6
60°	9843.4	9869.4	10367.3	11032.0	12302.3	13660.5	14607.5	14625.4	13593.6	13574.6	12067.8
62.5°	8386.5	8400.5	9182.8	10553.0	12884.1	15730.1	16351.8	16059.5	14619.5	14431.9	13118.6
65°	5748.0	5838.8	6492.4	8185.9	11815.3	17028.4	19052.2	18568.2	16183.2	15667.3	14068.6
67.5°	3384.9	3366.0	3689.3	4936.7	8677.9	16166.2	22468.1	21987.1	18315.7	16494.5	13790.2
70°	2312.2	2299.2	2422.9	2988.8	4898.8	12540.8	23542.8	24513.8	20198.8	15937.7	11868.2
72.5°	1650.6	1657.5	1840.2	2322.1	3075.6	7306.7	20245.7	22543.9	19609.0	13894.0	9021.2
75°	1120.7	1139.6	1401.1	1905.0	2696.4	3717.2	14367.0	17137.2	15967.6	10097.9	5185.2
77.5°	602.7	623.7	932.1	1534.8	2437.9	2582.6	9241.7	11794.4	10030.0	4539.5	1502.9
80°	251.5	263.4	436.1	1115.7	2106.6	2268.3	5437.6	7152.1	4274.1	895.1	335.3
82.5°	108.8	114.8	181.6	665.6	1574.7	1915.0	2879.0	3440.8	1295.3	196.6	168.6
85°	21.0	22.0	74.8	352.3	1004.9	1080.7	1866.1	1829.2	581.8	84.8	122.7
87.5°	0.0	0.0	18.0	110.8	295.4	588.8	1138.6	1124.7	197.6	40.9	45.9
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: P323689
CATALOG NUMBER: GLEON-SA5C-830-U-SL3-HSS

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	7089.2	7089.2	7089.2	7089.2	7089.2	7089.2	7089.2	7089.2	7089.2	7089.2	7089.2
2.5°	7033.3	6964.5	6819.8	6641.1	6504.4	6353.7	6234.0	6082.3	6016.4	6019.4	5983.5
5°	6875.6	6733.9	6413.6	6009.4	5698.1	5376.8	5100.3	4824.9	4662.3	4609.4	4559.5
7.5°	6650.1	6425.6	5914.6	5291.9	4765.0	4250.1	3802.1	3407.9	3158.4	3036.7	2991.8
10°	6395.6	6080.3	5340.8	4520.6	3768.1	3071.6	2490.8	1985.9	1784.3	1647.6	1612.6
12.5°	6172.1	5745.0	4780.0	3729.2	2836.1	1995.8	1442.0	1127.6	990.9	937.0	928.1
15°	5961.5	5431.7	4240.1	3012.7	1963.9	1228.4	917.1	810.3	778.4	769.4	769.4
17.5°	5763.0	5133.3	3712.2	2307.2	1299.3	861.2	759.4	735.5	725.5	724.5	725.5
20°	5555.4	4834.9	3193.3	1690.5	907.1	729.5	701.5	688.6	685.6	685.6	685.6
22.5°	5356.8	4536.5	2688.4	1207.5	727.5	665.6	651.6	642.7	639.7	638.7	636.7
25°	5166.2	4253.1	2195.4	853.2	638.7	609.7	597.8	585.8	576.8	571.8	568.8
27.5°	5009.5	4000.6	1736.4	684.6	576.8	551.8	536.9	518.9	497.0	487.0	483.0
30°	4884.8	3770.1	1338.2	577.8	518.9	494.0	471.0	440.1	408.1	391.2	390.2
32.5°	4787.0	3543.6	1015.9	510.9	467.0	436.1	403.2	364.2	327.3	308.4	307.4
35°	4739.1	3344.0	776.4	462.0	421.1	382.2	341.3	298.4	262.5	244.5	242.5
37.5°	4771.0	3175.4	605.7	421.1	382.2	337.3	289.4	244.5	212.6	196.6	195.6
40°	4887.8	3067.6	492.0	386.2	349.3	294.4	242.5	200.6	173.6	160.7	159.7
42.5°	5136.3	3027.7	420.1	357.3	317.3	254.5	201.6	165.7	140.7	131.7	129.7
45°	5551.4	3086.6	371.2	329.3	284.4	216.5	166.7	135.7	113.8	106.8	105.8
47.5°	6104.2	3241.2	336.3	302.4	254.5	182.6	138.7	109.8	92.8	85.8	84.8
50°	6816.8	3486.7	307.4	275.4	226.5	154.7	114.8	86.8	71.8	66.9	66.9
52.5°	7592.1	3779.1	281.4	250.5	198.6	128.7	92.8	66.9	56.9	50.9	50.9
55°	8232.8	4034.6	253.5	231.5	164.7	106.8	70.9	50.9	41.9	38.9	38.9
57.5°	8872.5	4307.0	221.5	198.6	131.7	86.8	53.9	37.9	30.9	28.9	28.9
60°	9701.7	4640.3	190.6	161.7	103.8	65.9	39.9	26.9	23.0	22.0	22.0
62.5°	10613.8	4835.9	162.7	129.7	80.8	48.9	28.9	18.0	17.0	17.0	16.0
65°	11171.7	4559.5	136.7	103.8	62.9	36.9	19.0	13.0	15.0	14.0	12.0
67.5°	10460.1	3569.5	111.8	80.8	48.9	27.9	12.0	9.0	16.0	13.0	10.0
70°	*8660.9*	*2498.8*	*86.8*	*56.9*	*38.9*	*23.9*	*8.0*	*6.0*	*17.0*	*13.0*	*8.0*
72.5°	6481.5	1672.5	68.9	37.9	28.9	21.0	7.0	3.0	15.0	11.0	7.0
75°	3541.6	673.6	54.9	23.9	18.0	15.0	5.0	2.0	10.0	8.0	5.0
77.5°	932.1	177.6	39.9	16.0	10.0	6.0	3.0	1.0	5.0	4.0	2.0
80°	237.5	68.9	25.9	11.0	7.0	3.0	0.0	0.0	1.0	0.0	0.0
82.5°	126.7	28.9	16.0	8.0	4.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	95.8	19.0	9.0	5.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	36.9	6.0	3.0	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

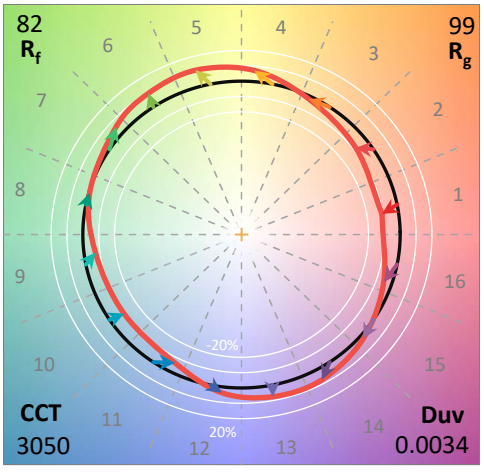
Test Information

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

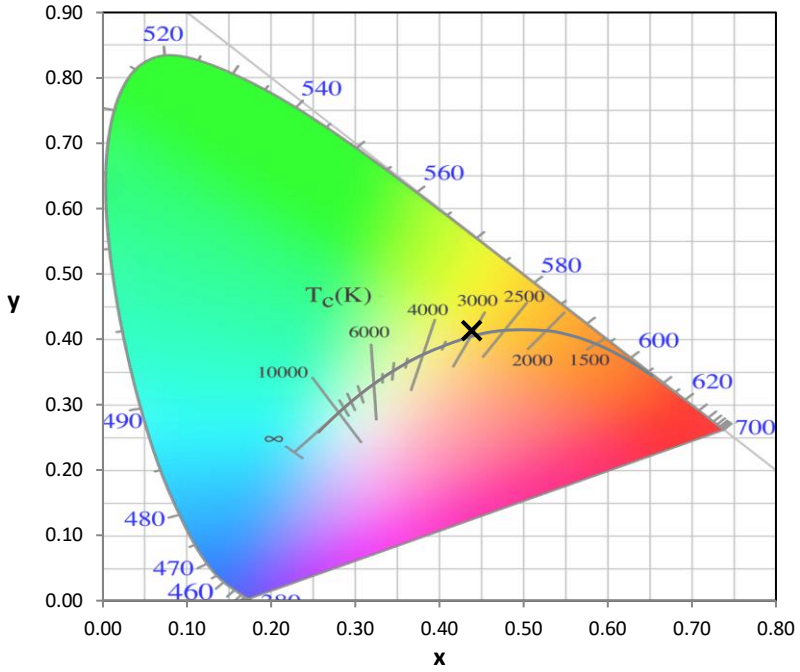
Stabilization Time:	20M
Operation Time:	1H 20M
Sphere Temperature (°C):	24.2

REPORT NUMBER: SP1-2408-195-9

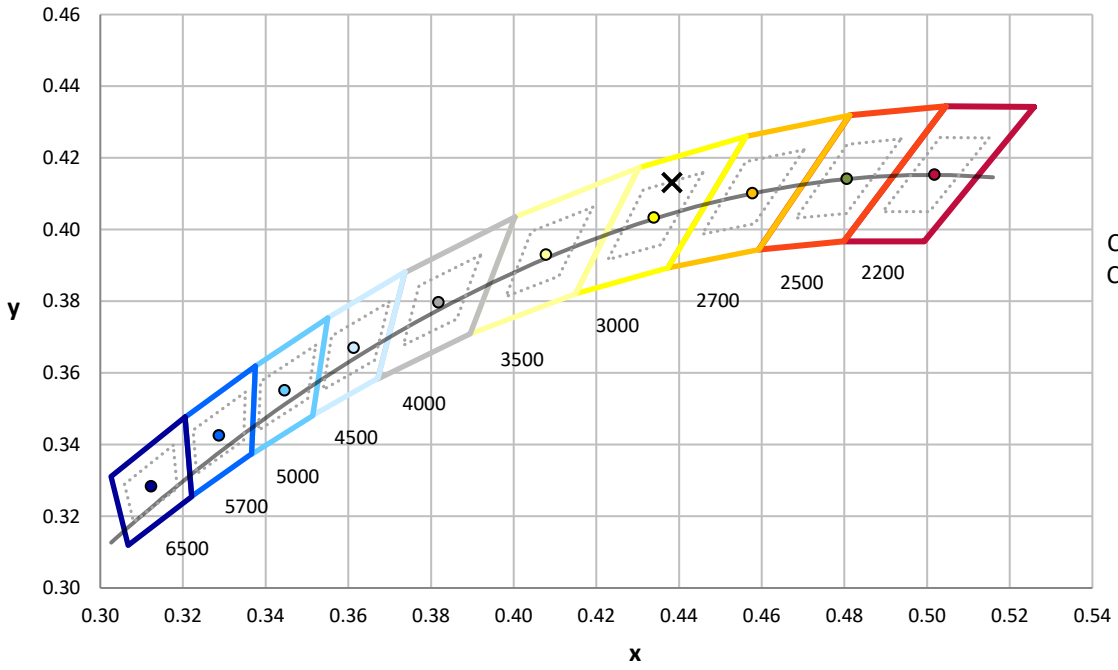
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

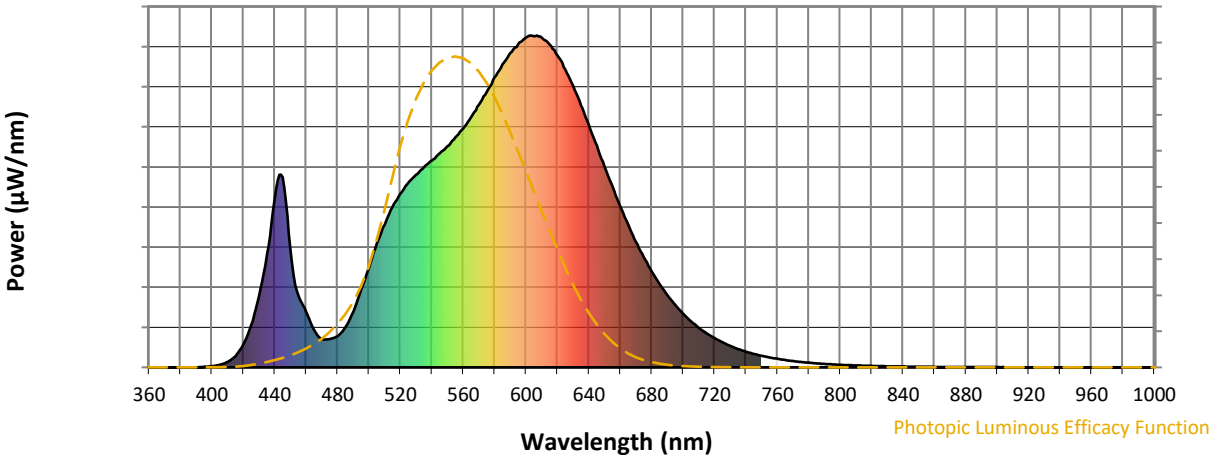


CCT = 3050K
CIE x = 0.4383
CIE y = 0.4131
Duv = 0.0034

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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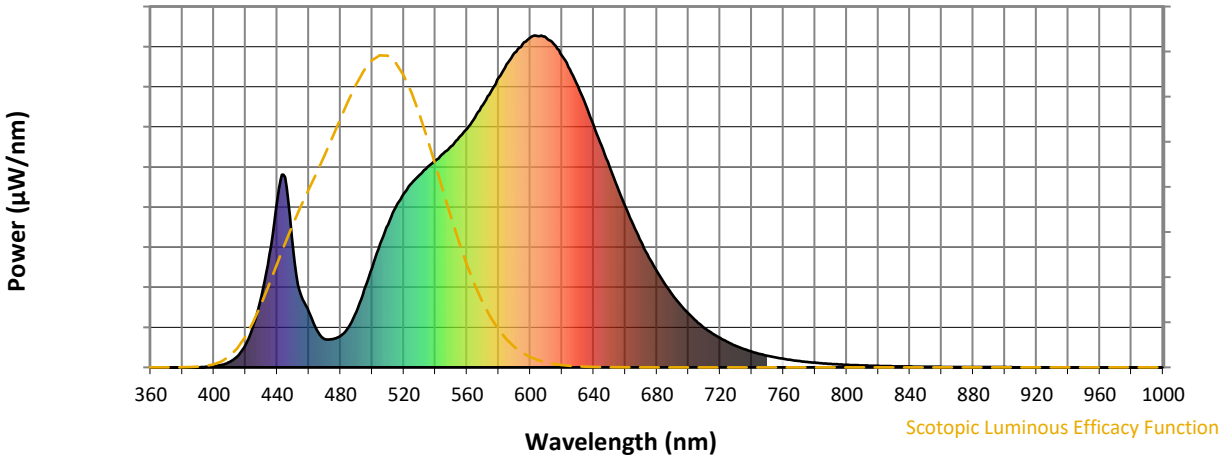
Scotopic Flux vs. Wavelength



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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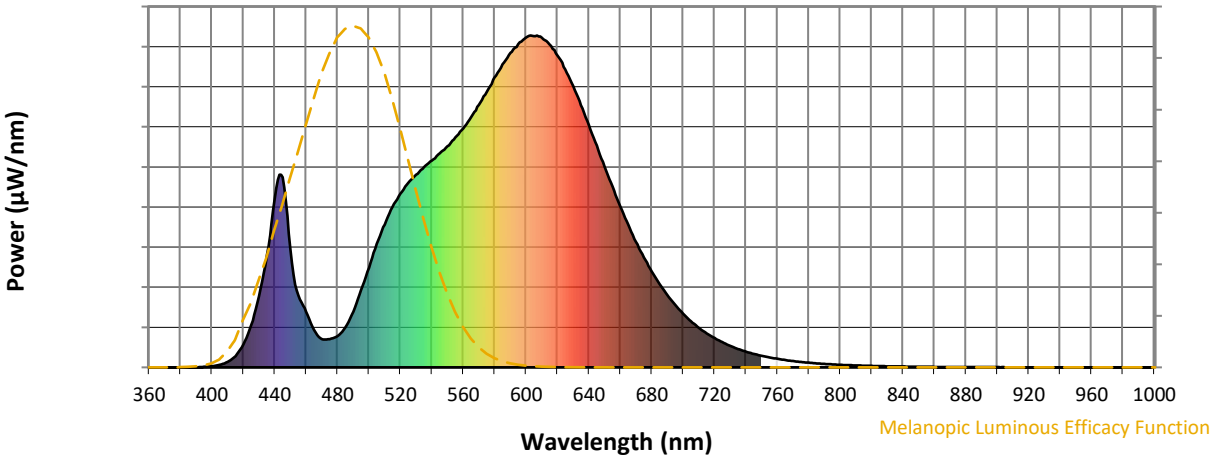
Melanopic Flux vs. Wavelength



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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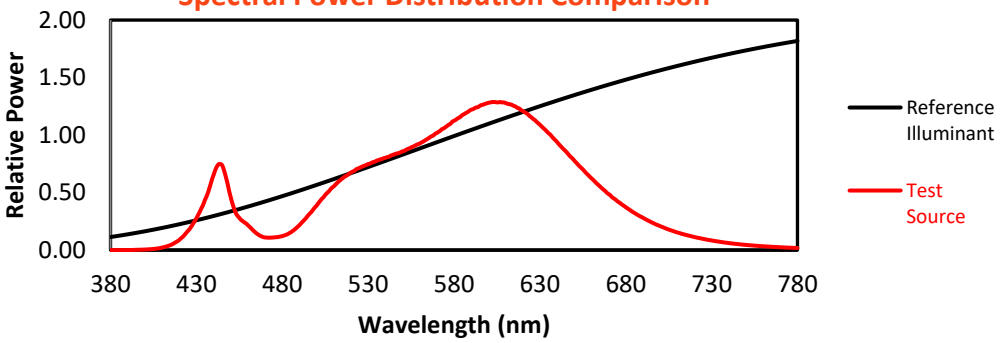
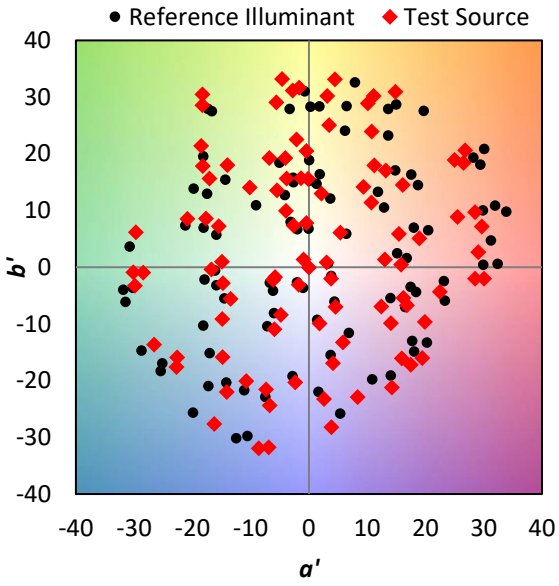
Summary

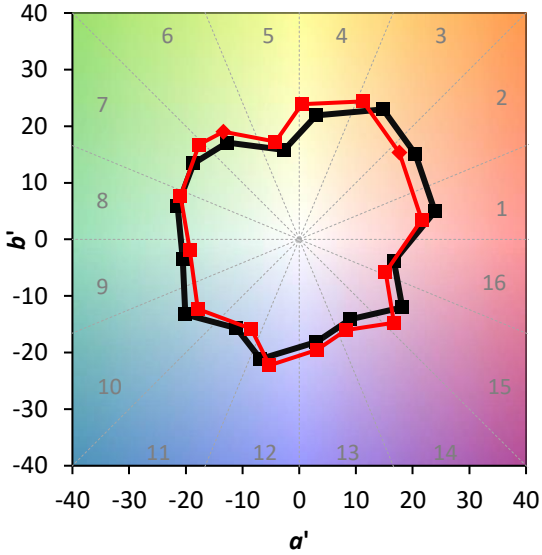
R_f = 81.5
R_g = 99.2
CIE R_a = 81.0
R_9 = 7.1

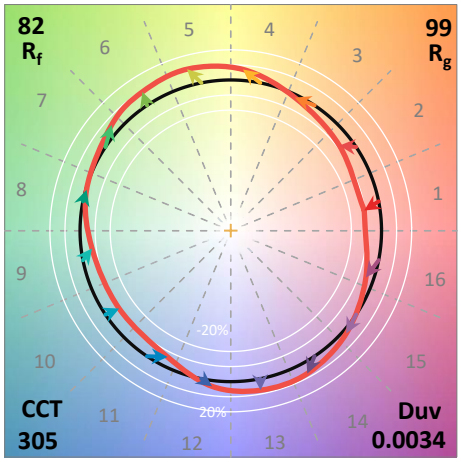
Spectral Power Distribution Comparison

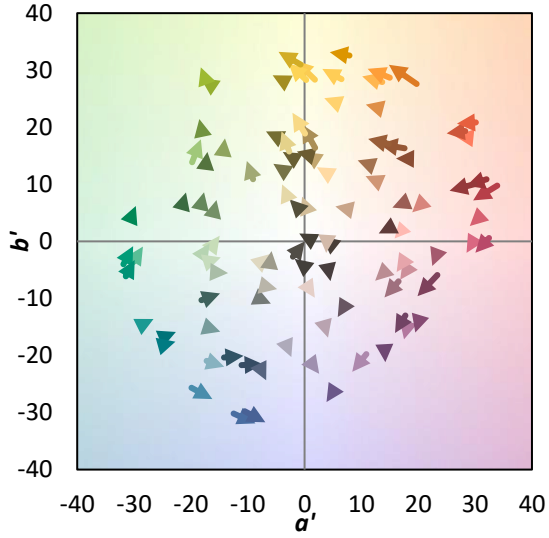


Color Vector Graphics









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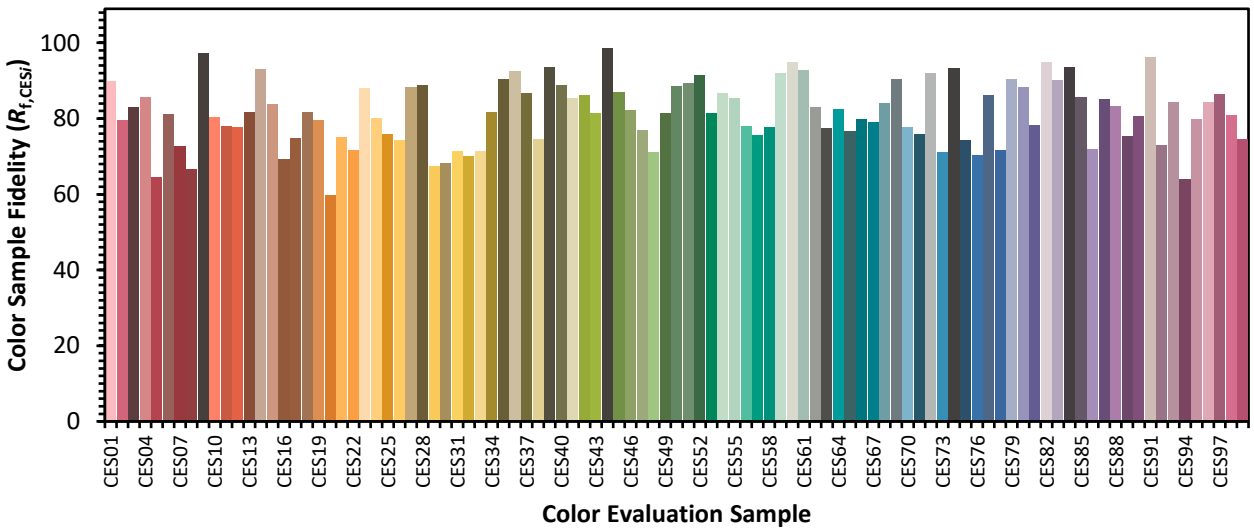
Individual Sample Fidelity Index ($R_{f,i}$)

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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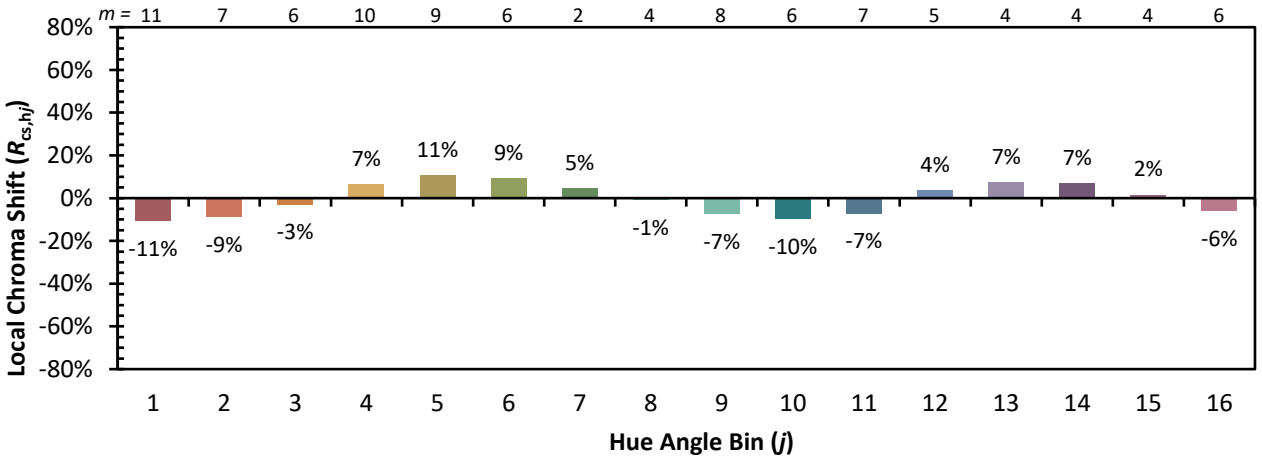
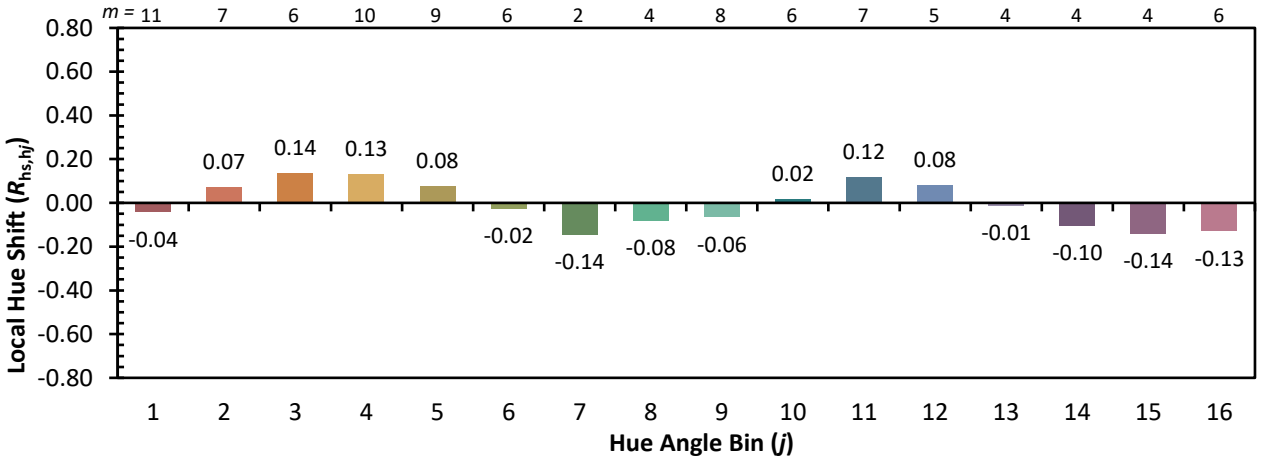
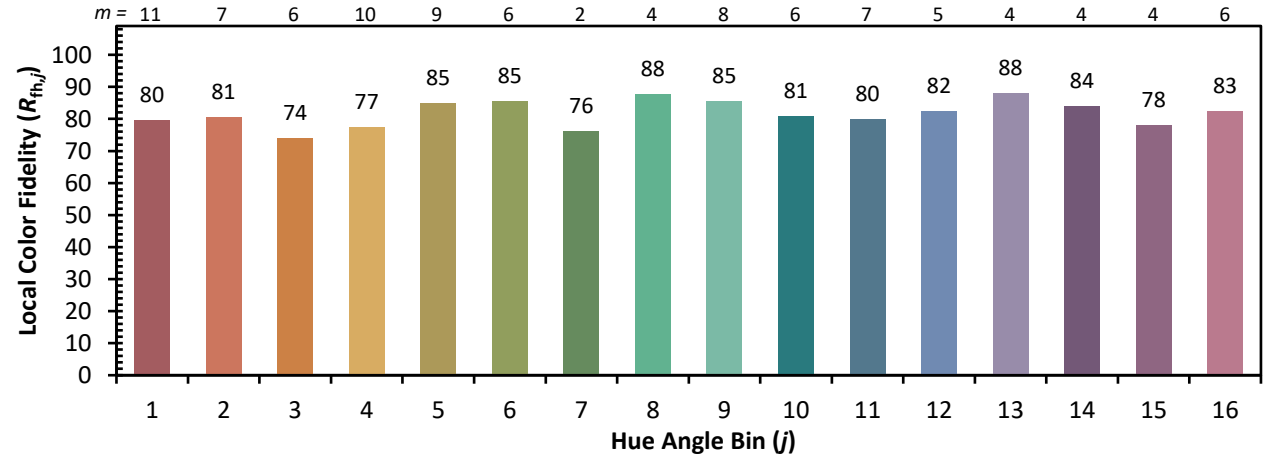
Color Rendition by Hue-Angle Bin







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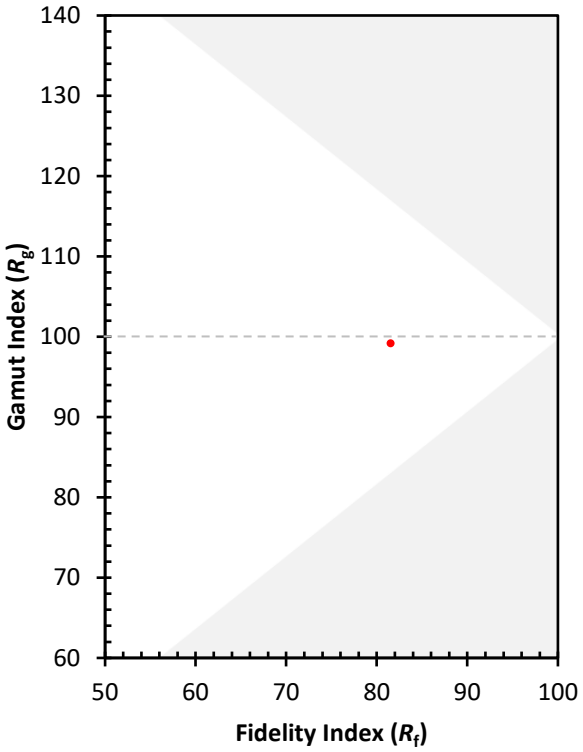
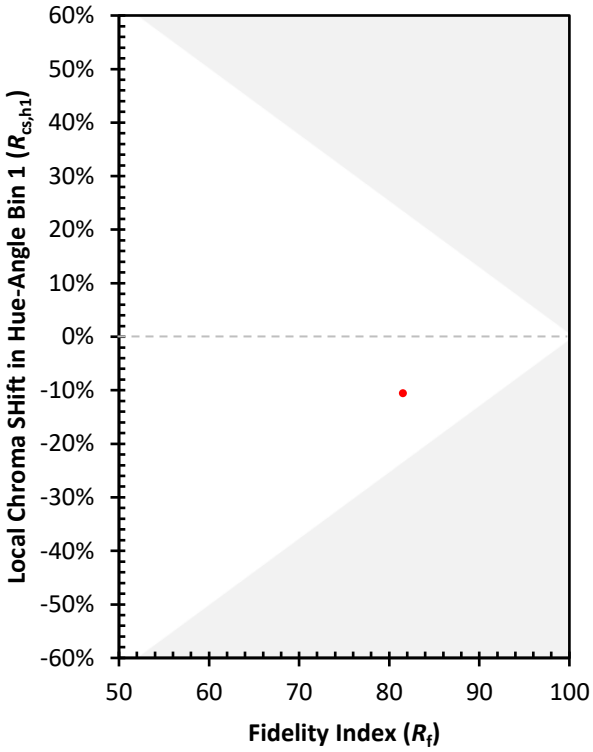
Measure Comparisons





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