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: P323671

Luminaire Tested: **GLEON-SA7A-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:	P323671
	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-SA7A-830-U-SL3-HSS
Description:	GALLEON AREA AND ROADWAY LUMINAIRE
	(7) 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:	22378 lumens
Efficiency:	N/A
Efficacy:	99.0 lumens/watt
Luminous Opening:	Rectangular (W 2' x L: 1' x H: 0')
IES Classification:	Type III - Medium
BUG Rating:	B2 - U0 - G4

Input Watts (W):	226
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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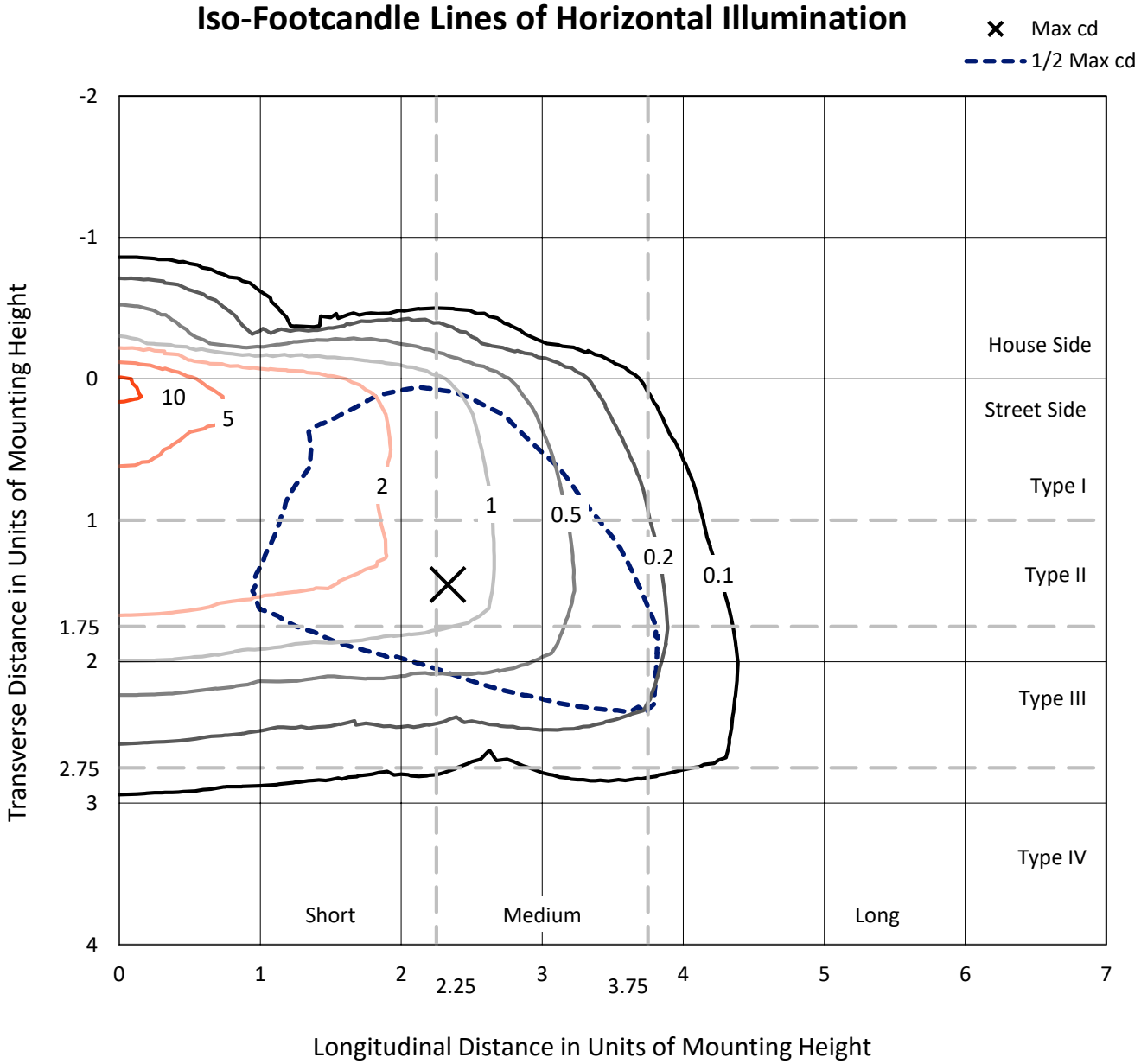
Scaled Data Report

REPORT NUMBER: P323671
CATALOG NUMBER: GLEON-SA7A-830-U-SL3-HSS

Iso-Footcandle Lines of Horizontal Illumination



Based on 25 foot mounting height. Maximum calculated value = 10.7 fc
Type III - Medium - N/A

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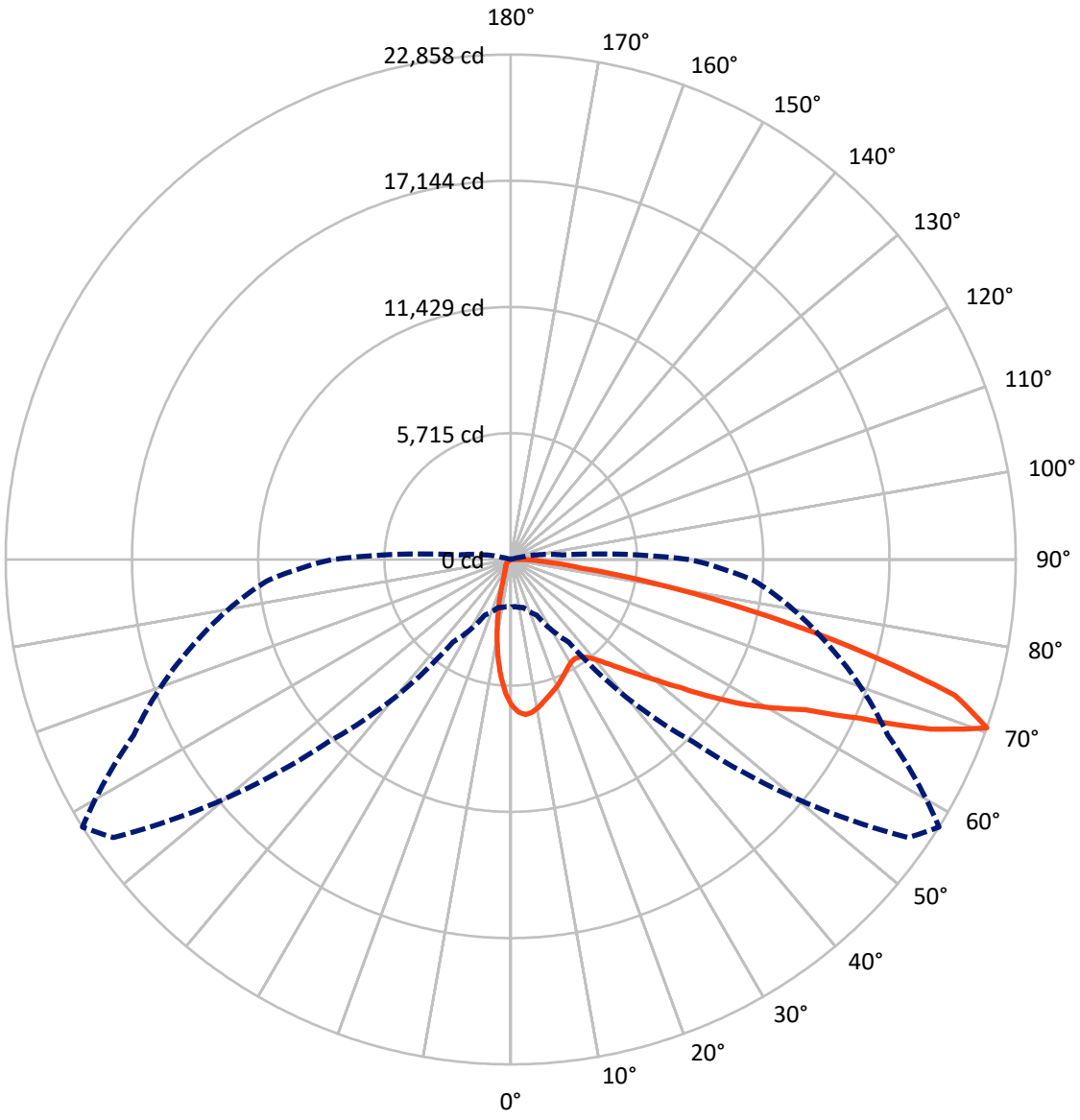
Luminous Intensity Polar Plot



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REPORT NUMBER: P323671
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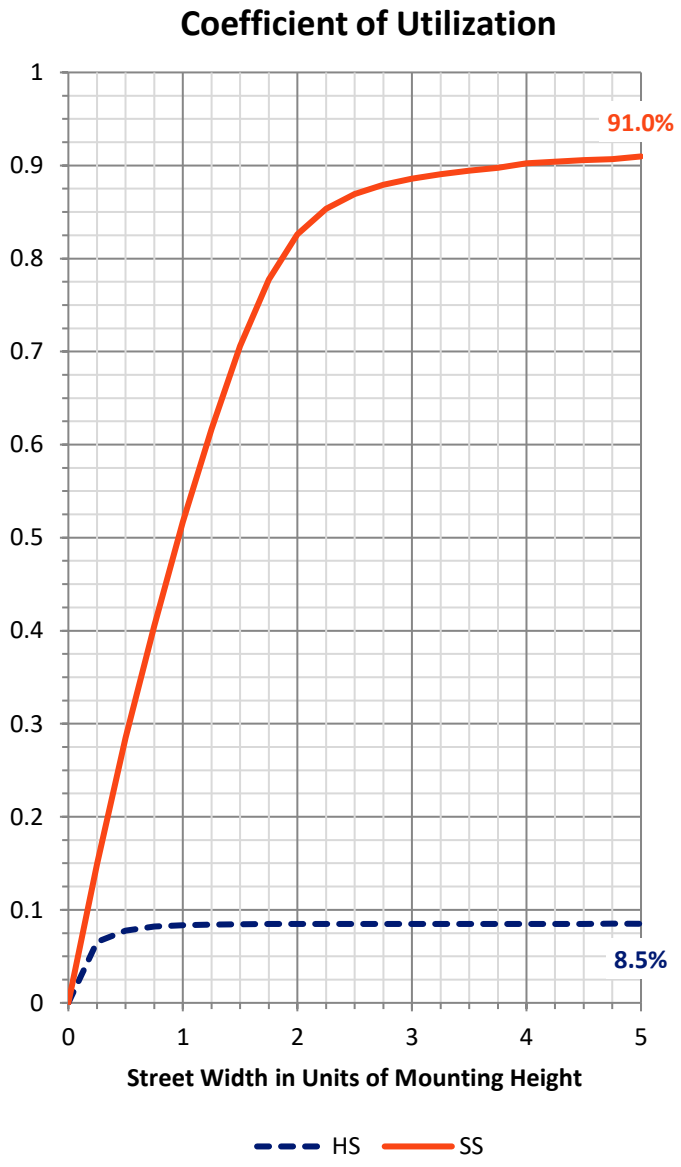
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1915.1	0.0	1915.1
	% Fixture	8.6	0.0	8.6
Street Side	Lumens	20462.9	0.0	20462.9
	% Fixture	91.4	0.0	91.4
Total	Lumens	22378.0	0.0	22378.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	540.6	2.4
10°-20°	1134.5	5.1
20°-30°	1491.5	6.7
30°-40°	1975.3	8.8
40°-50°	2952.5	13.2
50°-60°	4729.7	21.1
60°-70°	5961.8	26.6
70°-80°	3215.8	14.4
80°-90°	376.4	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°	22378.0	100.0
0°-180°	22378.0	100.0



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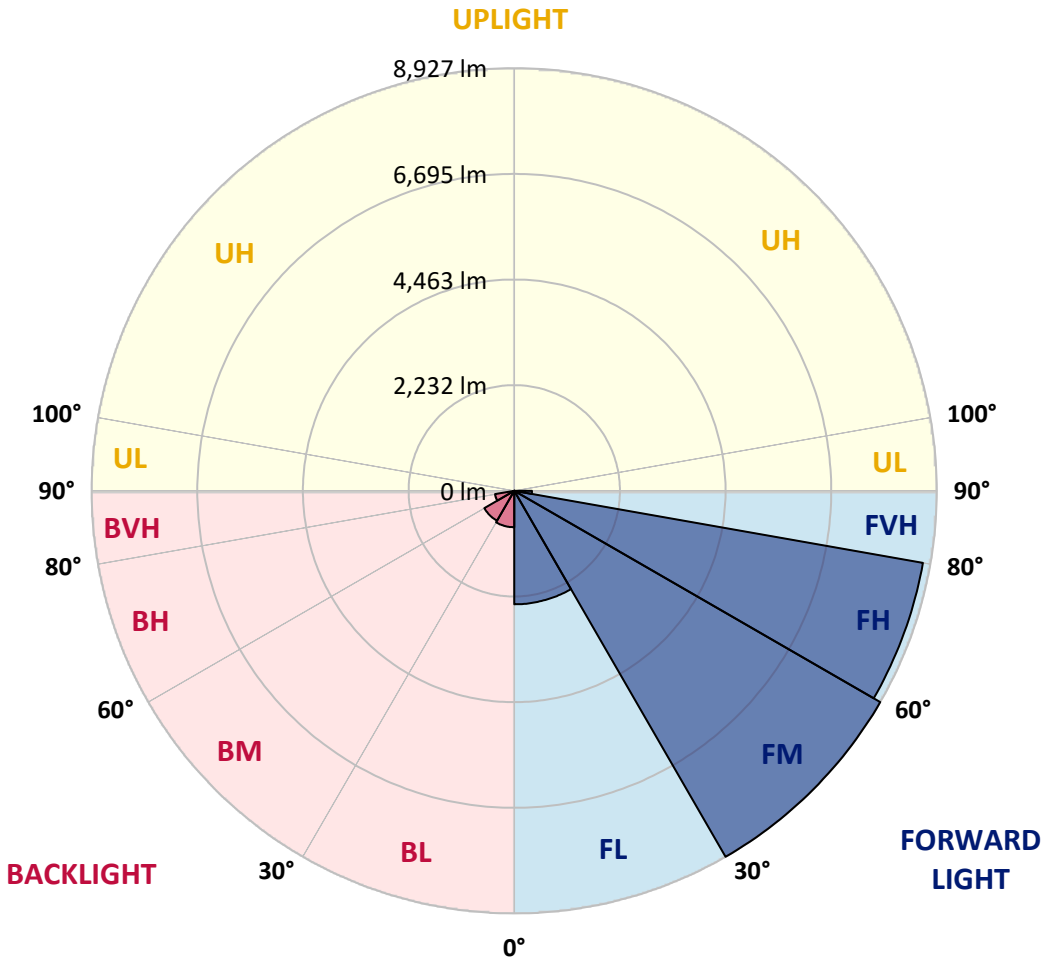
REPORT NUMBER: P323671
CATALOG NUMBER: GLEON-SA7A-830-U-SL3-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	2397.1	10.7			
FM	(30°-60°)	8926.9	39.9			
FH	(60°-80°)	8765.7	39.2			G4/12000
FVH	(80°-90°)	373.2	1.7			G3/500
BL	(0°-30°)	769.4	3.4	B2/1000		
BM	(30°-60°)	730.6	3.3	B1/1000		
BH	(60°-80°)	411.8	1.8	B1/500		G1/500
BVH	(80°-90°)	3.2	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: P323671
CATALOG NUMBER: GLEON-SA7A-830-U-SL3-HSS

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	58°	65°	75°	85°
0°	6610.4	6610.4	6610.4	6610.4	6610.4	6610.4	6610.4	6610.4	6610.4	6610.4	6610.4
2.5°	7158.4	7140.7	7134.2	7123.1	7080.3	7038.4	6955.6	6932.3	6880.2	6756.4	6625.2
5°	7164.0	7163.1	7182.6	7178.0	7163.1	7143.5	7084.0	7053.3	6964.9	6788.1	6548.0
7.5°	6818.8	6836.5	6880.2	6915.6	6956.5	7009.5	7017.0	6987.2	6914.6	6723.9	6405.6
10°	6355.4	6383.3	6444.7	6514.5	6621.5	6727.6	6822.5	6818.8	6793.7	6605.7	6234.4
12.5°	5891.1	5923.6	5994.4	6097.6	6249.3	6422.4	6591.7	6615.0	6656.9	6499.6	6076.2
15°	5484.4	5512.4	5582.1	5708.7	5896.7	6129.3	6377.7	6420.5	6528.5	6416.8	5944.1
17.5°	5139.2	5156.9	5208.1	5348.6	5566.3	5848.3	6171.2	6254.9	6415.9	6351.7	5829.7
20°	4898.2	4901.0	4934.5	5033.1	5250.9	5566.3	5957.1	6077.2	6296.8	6295.8	5711.5
22.5°	4779.1	4769.8	4776.3	4833.1	4993.1	5297.4	5743.1	5885.5	6189.8	6248.4	5591.4
25°	4756.8	4749.3	4730.7	4738.2	4834.9	5062.0	5527.2	5691.9	6095.8	6219.5	5487.2
27.5°	4826.6	4834.0	4802.4	4768.9	4776.3	4909.4	5335.6	5526.3	6019.5	6219.5	5413.7
30°	4967.1	4970.8	4947.5	4903.8	4845.2	4866.6	5202.5	5393.2	5981.3	6262.3	5367.2
32.5°	5122.5	5142.9	5140.1	5104.8	5021.0	4934.5	5170.9	5344.9	5978.5	6357.3	5362.5
35°	5315.1	5338.3	5377.4	5370.0	5282.5	5140.1	5278.8	5415.6	6033.4	6513.6	5412.8
37.5°	5519.8	5555.2	5638.9	5678.9	5622.2	5461.2	5520.7	5618.4	6180.5	6766.7	5540.3
40°	5718.0	5758.0	5910.6	6067.9	6025.1	5859.4	5887.3	5965.5	6441.9	7130.5	5782.2
42.5°	5912.5	5972.0	6196.3	6455.0	6506.1	6374.0	6388.9	6451.2	6830.0	7631.1	6177.7
45°	6145.1	6212.1	6544.3	6863.5	7000.2	6942.5	7005.8	7046.8	7337.1	8292.7	6710.9
47.5°	6486.6	6563.8	6971.4	7335.2	7575.3	7612.5	7740.0	7767.0	7978.2	9063.2	7405.9
50°	7152.8	7174.2	7542.7	7873.1	8219.2	8442.5	8587.7	8608.2	8754.3	9905.3	8274.1
52.5°	7991.2	8005.2	8213.6	8435.1	8828.7	9284.6	9624.3	9653.1	9683.8	10726.0	9131.1
55°	8824.0	8822.2	8959.9	9090.2	9540.5	10203.1	10940.0	10957.7	10737.2	11504.8	9786.2
57.5°	9344.2	9394.4	9603.8	9771.3	10400.3	11249.9	12272.5	12337.7	11843.6	12081.8	10433.8
60°	9178.6	9202.8	9667.1	10286.8	11471.3	12737.8	13620.8	13637.6	12675.4	12657.8	11252.7
62.5°	7820.0	7833.0	8562.6	9840.2	12013.8	14667.7	15247.4	14974.7	13632.0	13457.1	12232.5
65°	5359.7	5444.4	6053.9	7633.0	11017.3	15878.3	17765.3	17314.0	15090.1	14609.0	13118.4
67.5°	3156.3	3138.6	3440.1	4603.2	8091.7	15074.3	20950.5	20502.0	17078.6	15380.4	12858.7
70°	2156.0	2143.9	2259.3	2786.9	4567.9	11693.7	21952.6	22858.0	18834.5	14861.2	11066.6
72.5°	1539.1	1545.6	1715.9	2165.3	2867.8	6813.2	18878.2	21021.2	18284.6	12955.5	8411.8
75°	1045.0	1062.6	1306.4	1776.3	2514.2	3466.2	13396.6	15979.7	14889.1	9415.8	4834.9
77.5°	562.0	581.6	869.1	1431.1	2273.2	2408.2	8617.5	10997.7	9352.6	4232.9	1401.4
80°	234.5	245.7	406.6	1040.3	1964.3	2115.1	5070.4	6669.0	3985.4	834.7	312.7
82.5°	101.4	107.0	169.4	620.7	1468.3	1785.7	2684.5	3208.4	1207.8	183.3	157.3
85°	19.5	20.5	69.8	328.5	937.0	1007.7	1740.1	1705.6	542.5	79.1	114.5
87.5°	0.0	0.0	16.7	103.3	275.4	549.0	1061.7	1048.7	184.2	38.2	42.8
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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REPORT NUMBER: P323671
CATALOG NUMBER: GLEON-SA7A-830-U-SL3-HSS

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	6610.4	6610.4	6610.4	6610.4	6610.4	6610.4	6610.4	6610.4	6610.4	6610.4	6610.4
2.5°	6558.2	6494.0	6359.1	6192.6	6065.1	5924.6	5812.9	5671.5	5610.1	5612.8	5579.3
5°	6411.2	6279.1	5980.4	5603.5	5313.2	5013.6	4755.8	4499.0	4347.4	4298.0	4251.5
7.5°	6200.9	5991.6	5515.1	4934.5	4443.2	3963.0	3545.2	3177.7	2945.1	2831.5	2789.7
10°	5963.6	5669.6	4980.1	4215.2	3513.6	2864.1	2322.6	1851.7	1663.8	1536.3	1503.7
12.5°	5755.2	5357.0	4457.2	3477.3	2644.5	1861.0	1344.6	1051.5	924.0	873.8	865.4
15°	5558.9	5064.8	3953.7	2809.2	1831.2	1145.5	855.1	755.6	725.8	717.4	717.4
17.5°	5373.7	4786.6	3461.5	2151.3	1211.5	803.0	708.1	685.8	676.5	675.6	676.5
20°	5180.2	4508.3	2977.6	1576.3	845.8	680.2	654.1	642.1	639.3	639.3	639.3
22.5°	4995.0	4230.1	2506.8	1125.9	678.3	620.7	607.6	599.2	596.5	595.5	593.7
25°	4817.3	3965.8	2047.1	795.6	595.5	568.5	557.4	546.2	537.8	533.2	530.4
27.5°	4671.2	3730.4	1619.1	638.3	537.8	514.6	500.6	483.9	463.4	454.1	450.4
30°	4554.9	3515.5	1247.8	538.8	483.9	460.6	439.2	410.4	380.6	364.8	363.8
32.5°	4463.7	3304.2	947.3	476.4	435.5	406.6	375.9	339.6	305.2	287.5	286.6
35°	4419.0	3118.1	723.9	430.8	392.7	356.4	318.2	278.2	244.7	228.0	226.1
37.5°	4448.8	2960.9	564.8	392.7	356.4	314.5	269.8	228.0	198.2	183.3	182.4
40°	4557.6	2860.4	458.7	360.1	325.7	274.5	226.1	187.0	161.9	149.8	148.9
42.5°	4789.3	2823.2	391.7	333.1	295.9	237.3	188.0	154.5	131.2	122.8	121.0
45°	5176.4	2878.1	346.2	307.1	265.2	201.9	155.4	126.5	106.1	99.6	98.6
47.5°	5691.9	3022.3	313.6	281.9	237.3	170.3	129.3	102.4	86.5	80.0	79.1
50°	6356.3	3251.2	286.6	256.8	211.2	144.2	107.0	81.0	67.0	62.3	62.3
52.5°	7079.3	3523.8	262.4	233.6	185.2	120.0	86.5	62.3	53.0	47.5	47.5
55°	7676.7	3762.1	236.3	215.9	153.5	99.6	66.1	47.5	39.1	36.3	36.3
57.5°	8273.2	4016.1	206.6	185.2	122.8	81.0	50.2	35.4	28.8	27.0	27.0
60°	9046.4	4326.9	177.7	150.7	96.8	61.4	37.2	25.1	21.4	20.5	20.5
62.5°	9896.9	4509.3	151.7	121.0	75.4	45.6	27.0	16.7	15.8	15.8	14.9
65°	10417.1	4251.5	127.5	96.8	58.6	34.4	17.7	12.1	14.0	13.0	11.2
67.5°	9753.6	3328.4	104.2	75.4	45.6	26.1	11.2	8.4	14.9	12.1	9.3
70°	*8075.9*	*2330.0*	*81.0*	*53.0*	*36.3*	*22.3*	*7.4*	*5.6*	*15.8*	*12.1*	*7.4*
72.5°	6043.7	1559.5	64.2	35.4	27.0	19.5	6.5	2.8	14.0	10.2	6.5
75°	3302.4	628.1	51.2	22.3	16.7	14.0	4.7	1.9	9.3	7.4	4.7
77.5°	869.1	165.6	37.2	14.9	9.3	5.6	2.8	0.9	4.7	3.7	1.9
80°	221.5	64.2	24.2	10.2	6.5	2.8	0.0	0.0	0.9	0.0	0.0
82.5°	118.2	27.0	14.9	7.4	3.7	0.0	0.0	0.0	0.0	0.0	0.0
85°	89.3	17.7	8.4	4.7	0.9	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	34.4	5.6	2.8	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

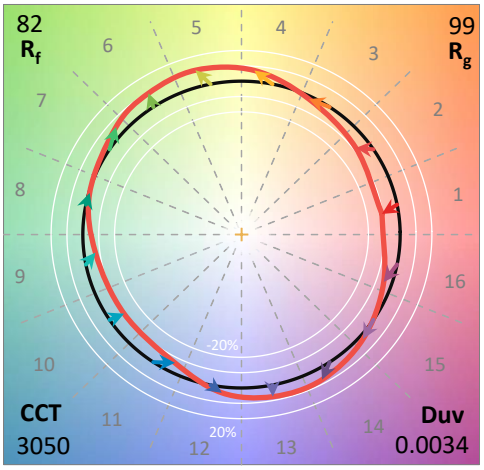
Test Information

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

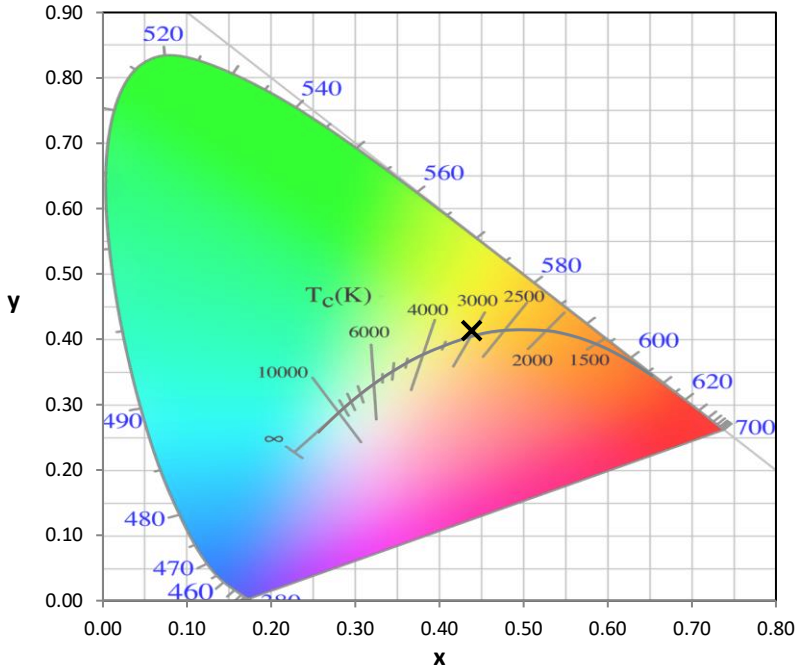
Stabilization Time:	20M
Operation Time:	1H 20M
Sphere Temperature (°C):	24.2

REPORT NUMBER: SP1-2408-195-9

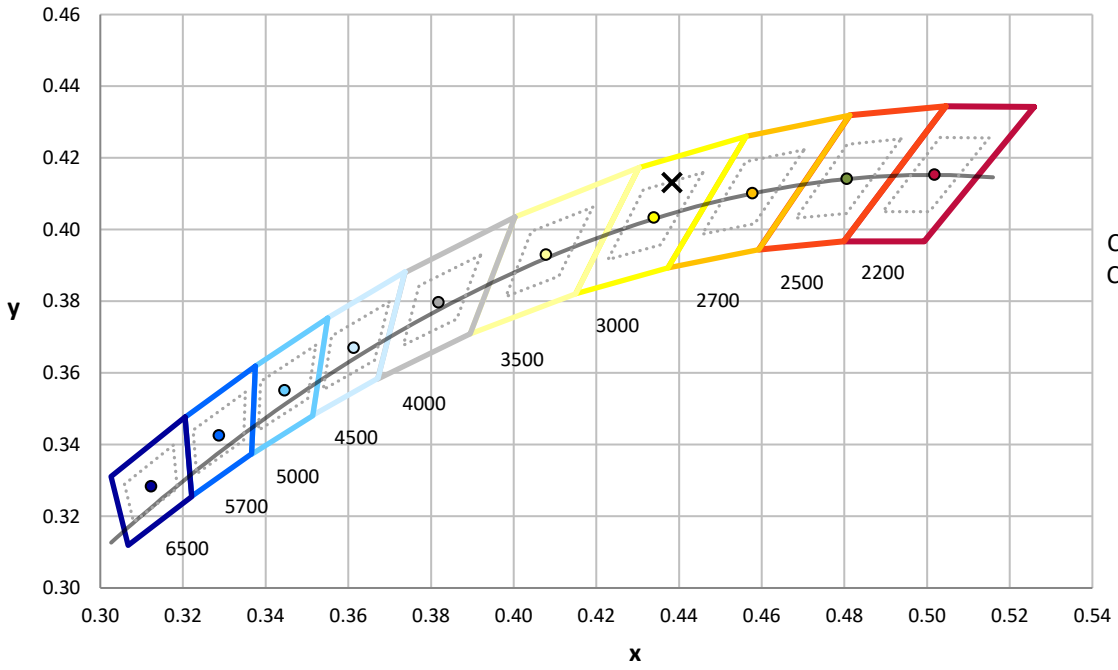
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

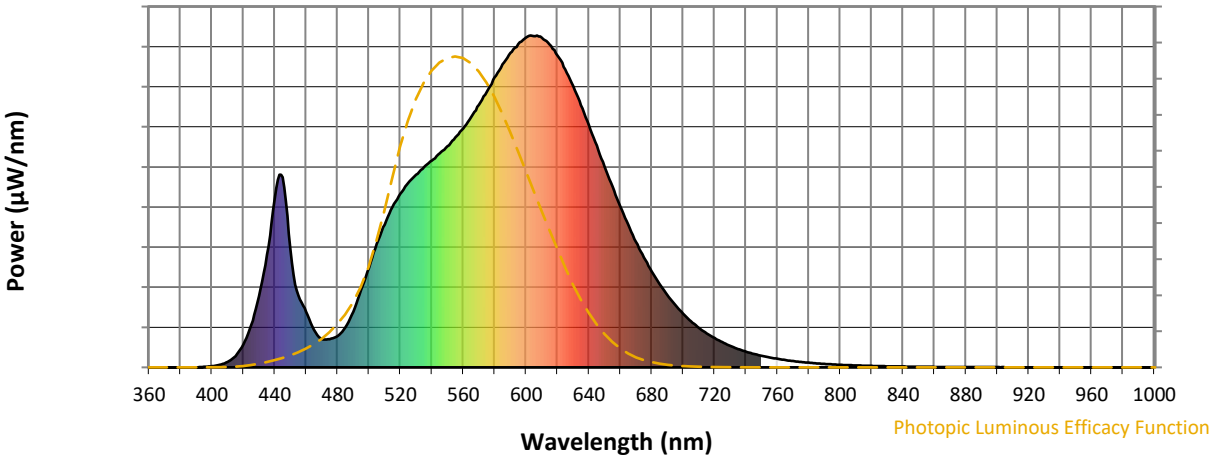


CCT = 3050K
CIE x = 0.4383
CIE y = 0.4131
Duv = 0.0034

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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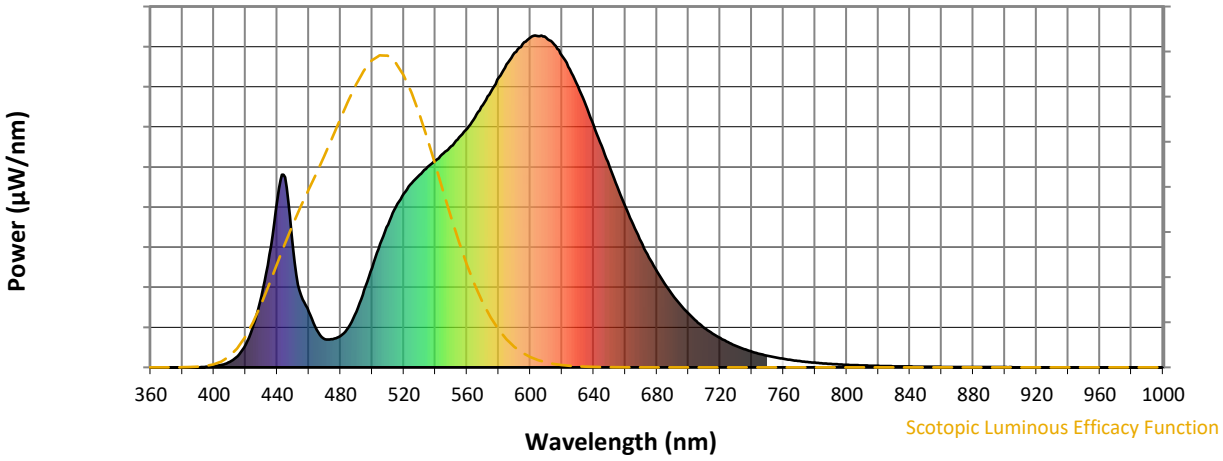
Scotopic Flux vs. Wavelength



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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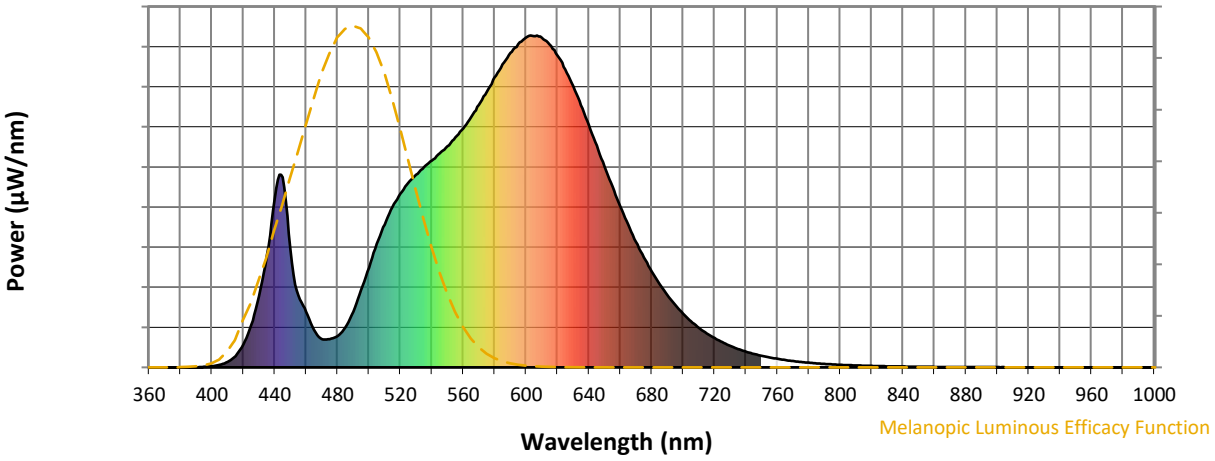
Melanopic Flux vs. Wavelength



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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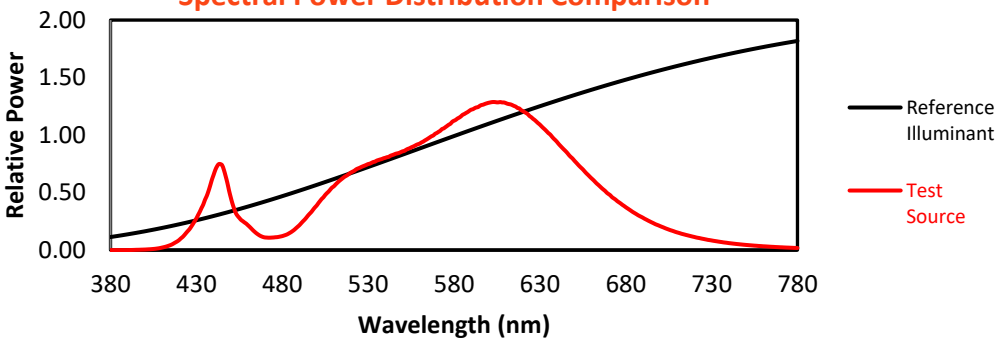
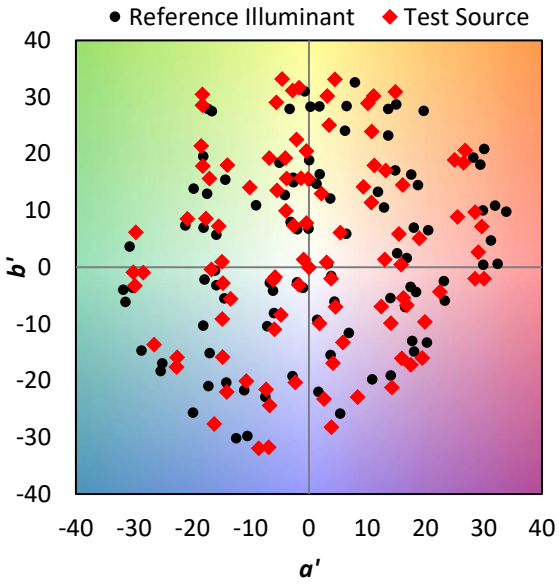
Summary

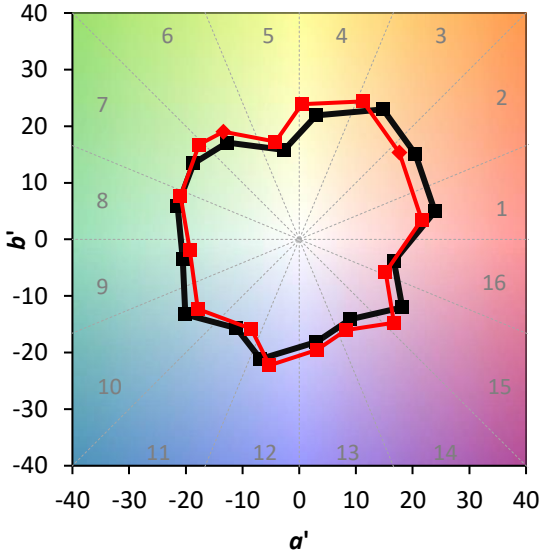
R_f = 81.5
R_g = 99.2
CIE R_a = 81.0
R_9 = 7.1

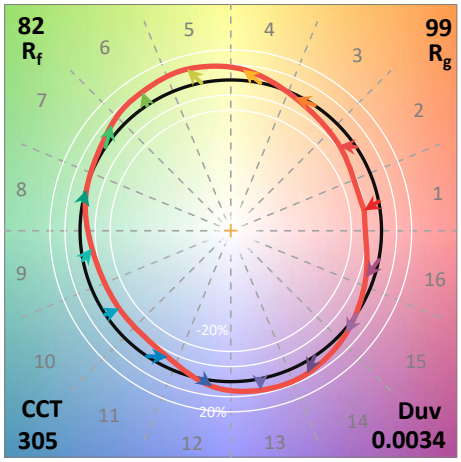
Spectral Power Distribution Comparison

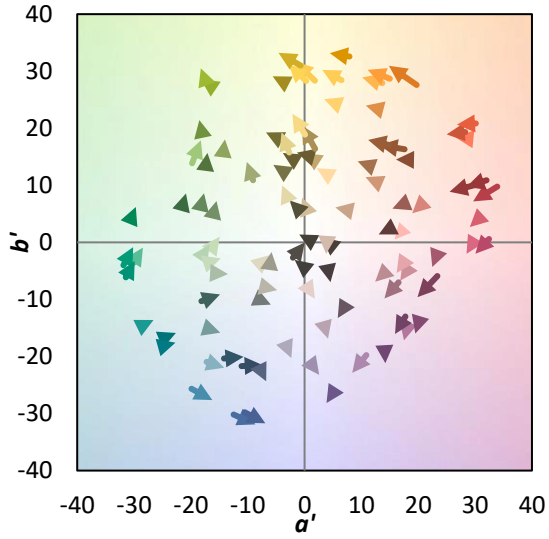


Color Vector Graphics









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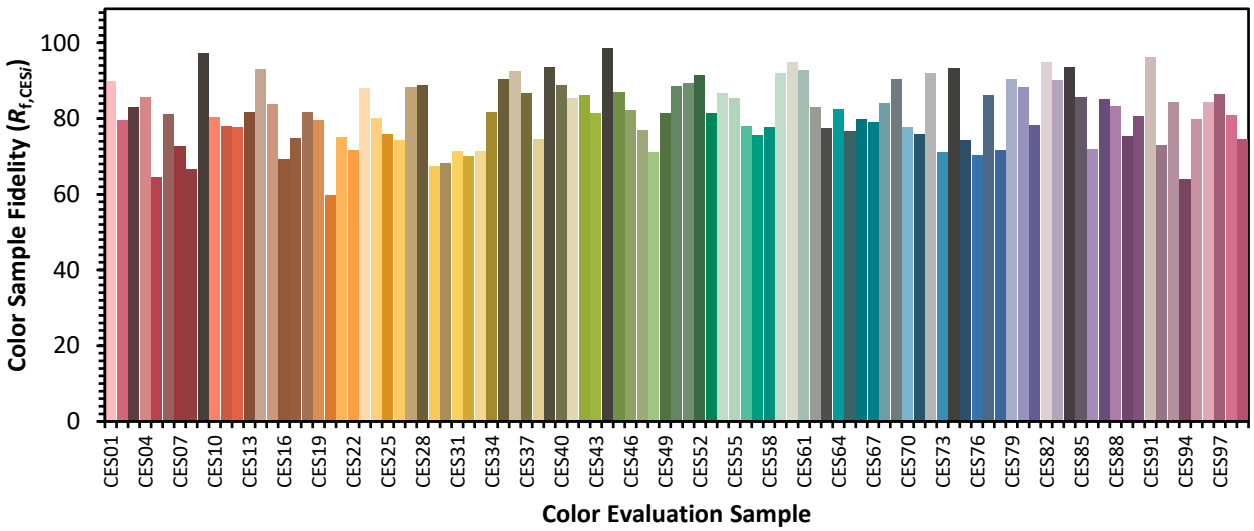
Individual Sample Fidelity Index ($R_{f,i}$)

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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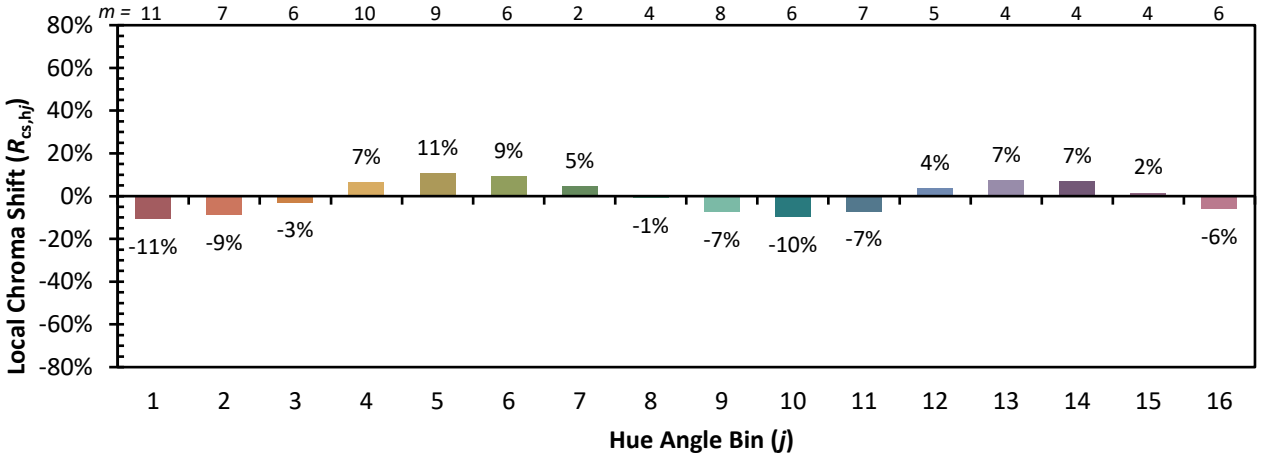
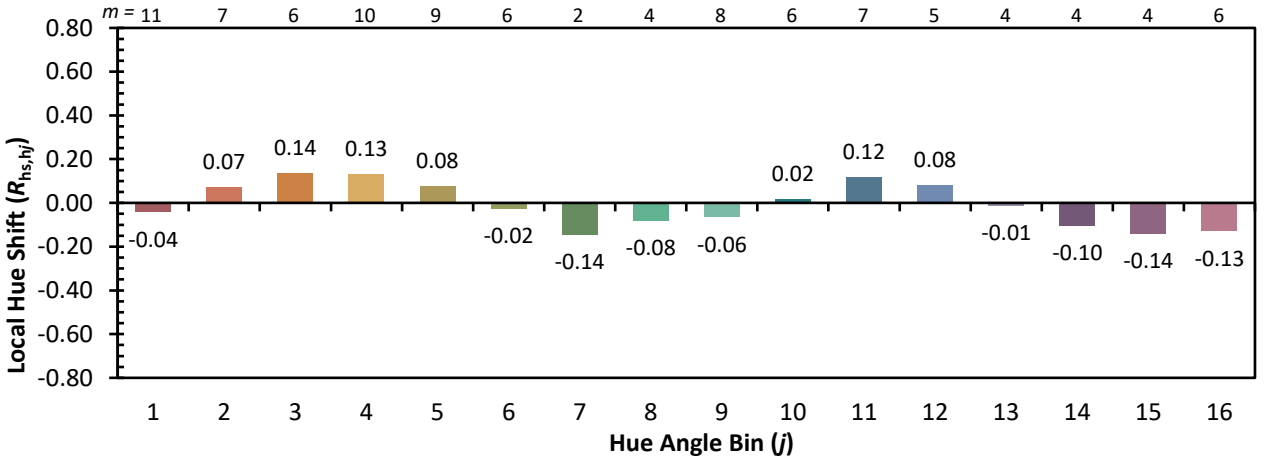
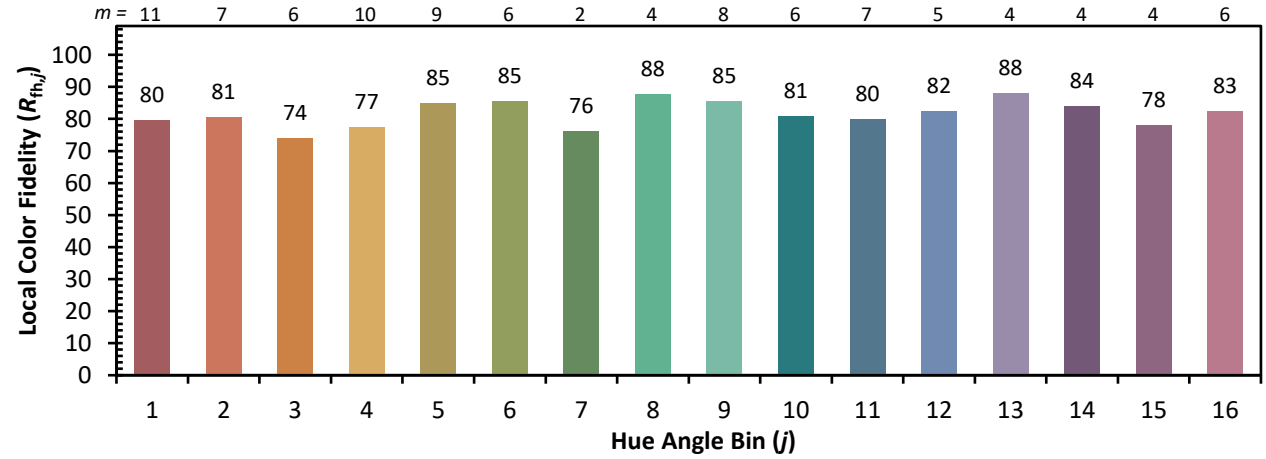
Color Rendition by Hue-Angle Bin







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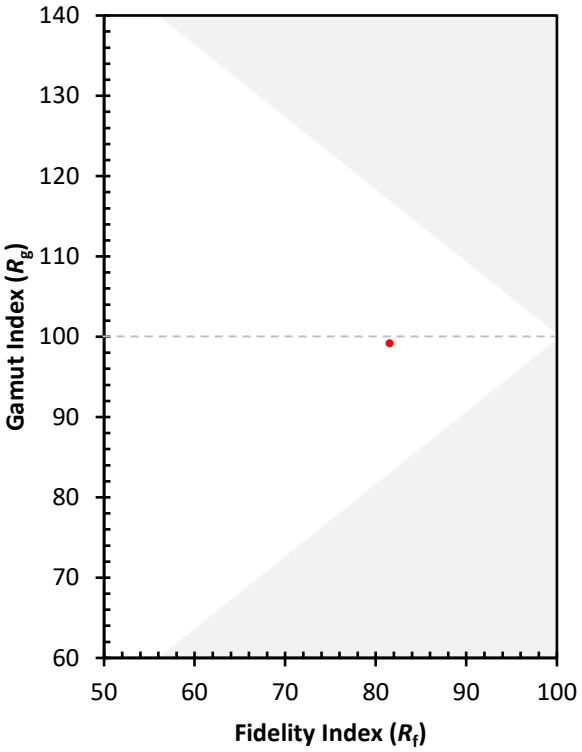
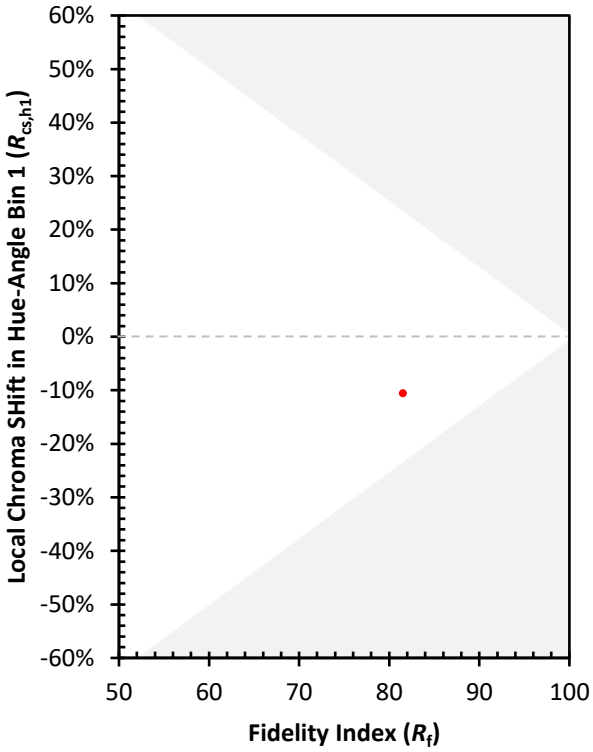
Measure Comparisons





(END OF REPORT)