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: P322731

Luminaire Tested: **GLEON-SA7C-830-U-T4FT-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:	P322731
	TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-17)
Test Lab:	INNOVATION CENTER
Issue Date:	3/3/2020
Manufacturer:	COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line:	McGRAW-EDISON
Catalog Number:	GLEON-SA7C-830-U-T4FT-HSS
Description:	GALLEON AREA AND ROADWAY LUMINAIRE
	(7) 80 CRI, 3000K, 1050mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE IV FORWARD THROW OPTICS WITH HOUSE SIDE SHIELD
Light Source:	-
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	28232 lumens
Efficiency:	N/A
Efficacy:	72.2 lumens/watt
Luminous Opening:	Rectangular (W 2' x L: 1' x H: 0')
IES Classification:	Type IV - Short
BUG Rating:	B2 - U0 - G5

Input Watts (W):	391
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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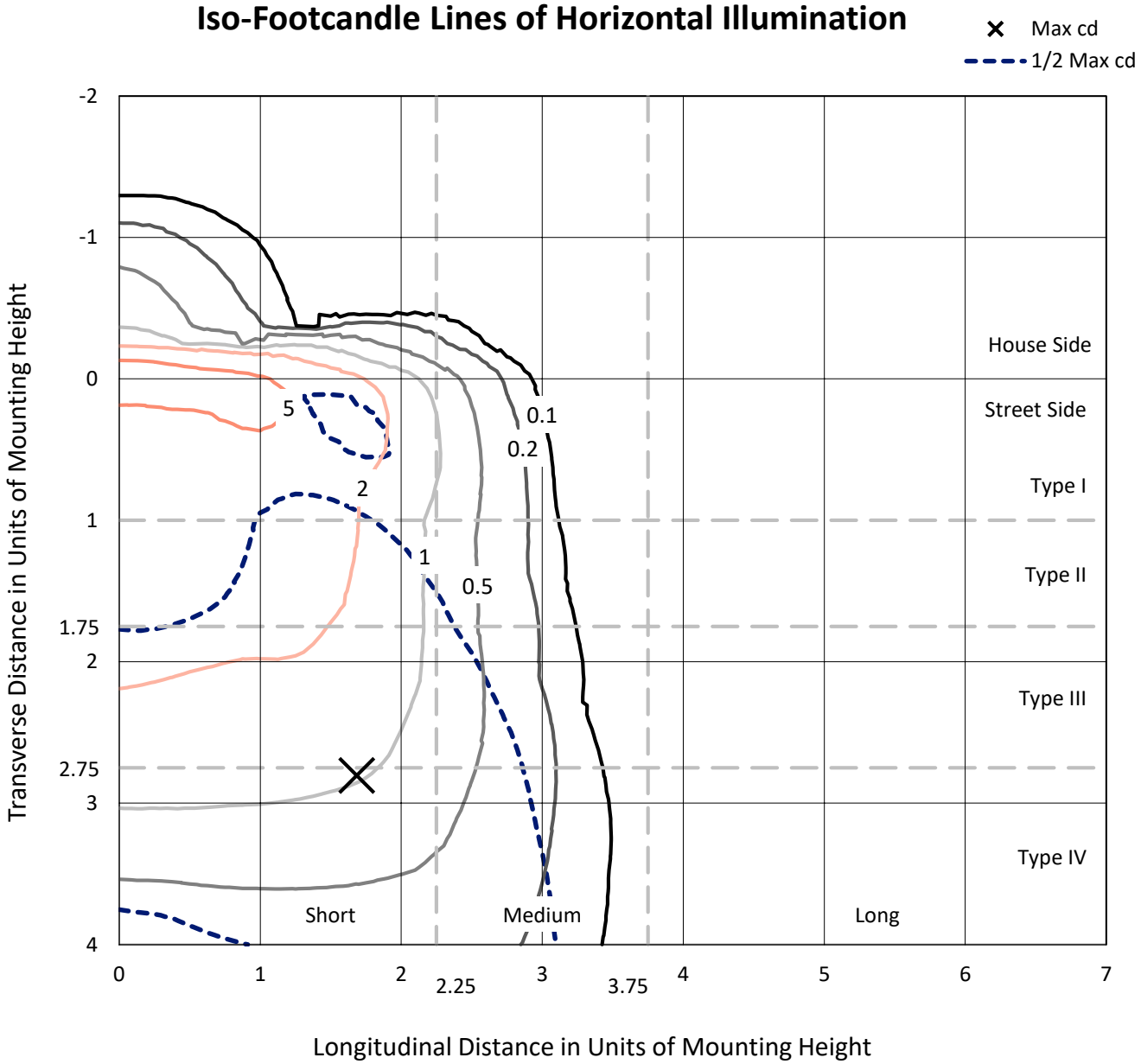
Scaled Data Report

REPORT NUMBER: P322731
CATALOG NUMBER: GLEON-SA7C-830-U-T4FT-HSS

Iso-Footcandle Lines of Horizontal Illumination



Based on 25 foot mounting height. Maximum calculated value = 7.8 fc
Type IV - Short - N/A

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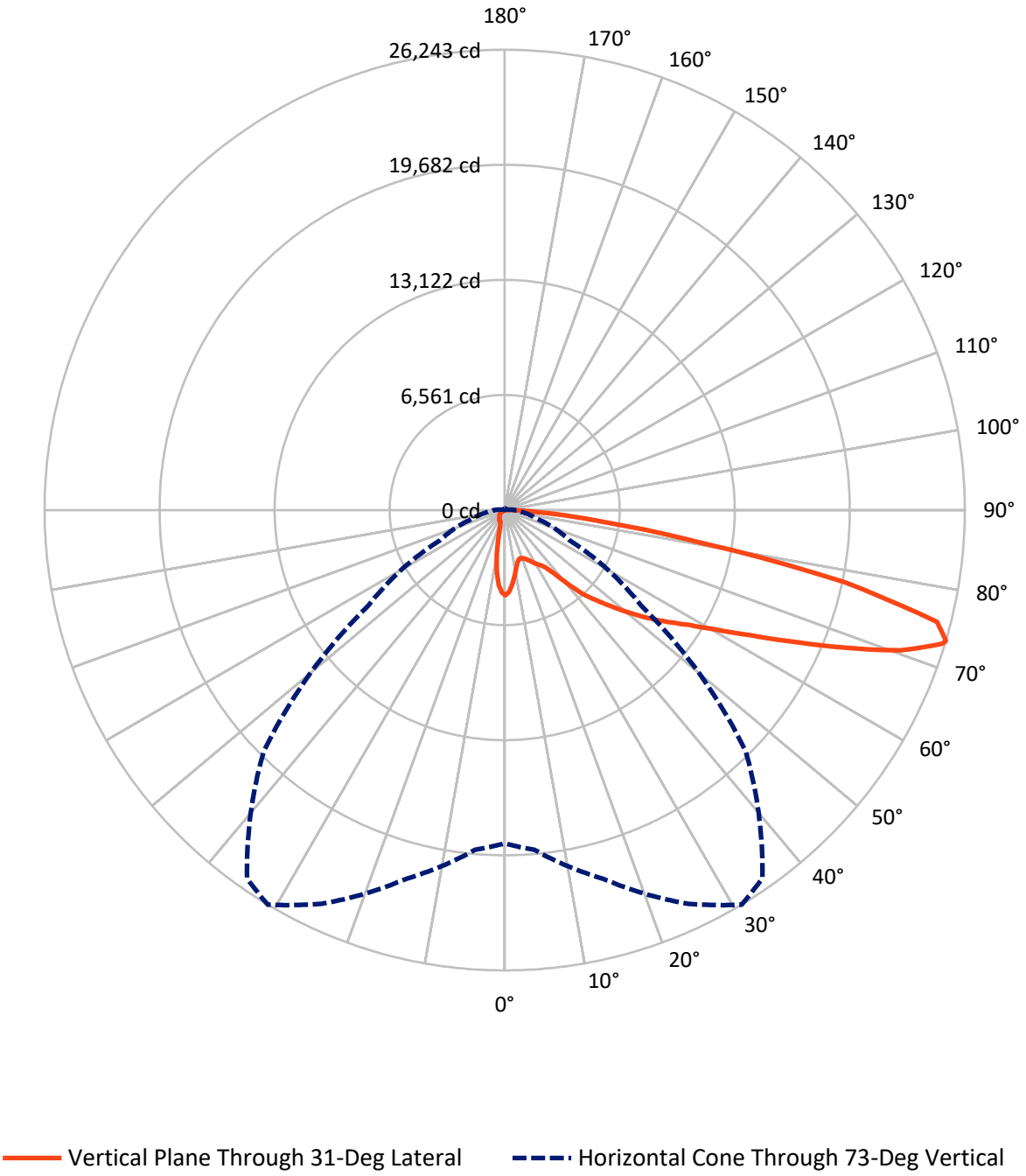
CATALOG NUMBER: GLEON-SA7C-830-U-T4FT-HSS

Luminous Intensity Polar Plot



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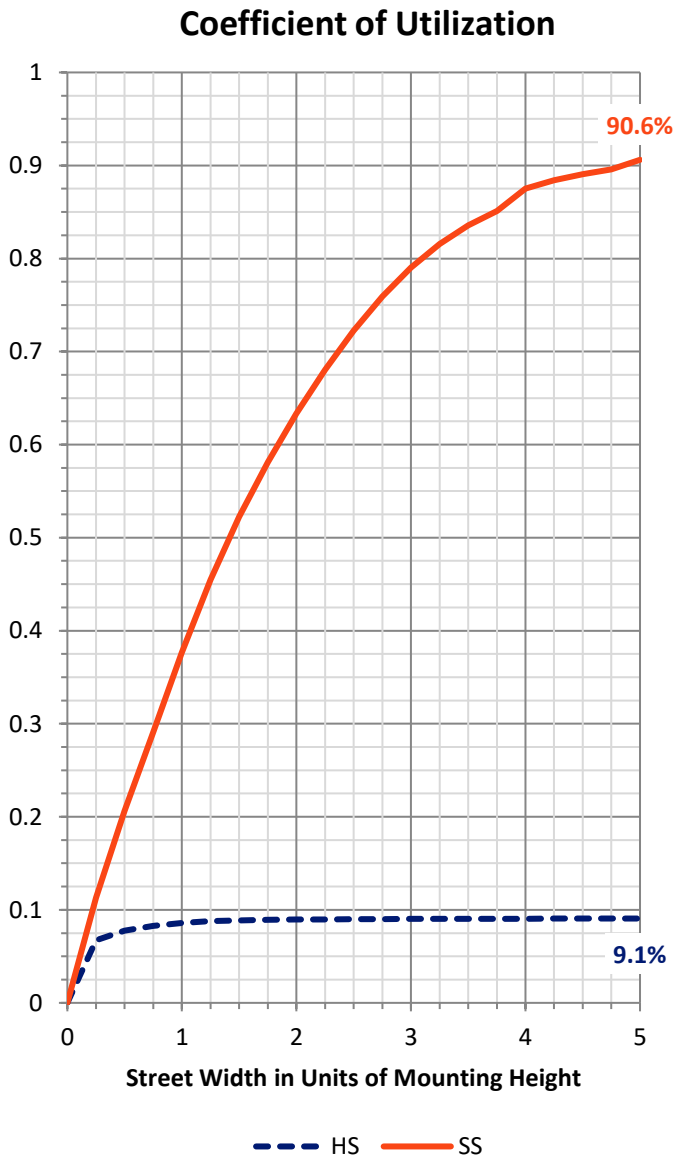
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2573.4	0.0	2573.4
	% Fixture	9.1	0.0	9.1
Street Side	Lumens	25658.6	0.0	25658.6
	% Fixture	90.9	0.0	90.9
Total	Lumens	28232.0	0.0	28232.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	402.7	1.4
10°-20°	874.5	3.1
20°-30°	1310.2	4.6
30°-40°	2084.6	7.4
40°-50°	3722.4	13.2
50°-60°	5776.2	20.5
60°-70°	7678.6	27.2
70°-80°	5775.9	20.5
80°-90°	606.9	2.1
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°	28232.0	100.0
0°-180°	28232.0	100.0



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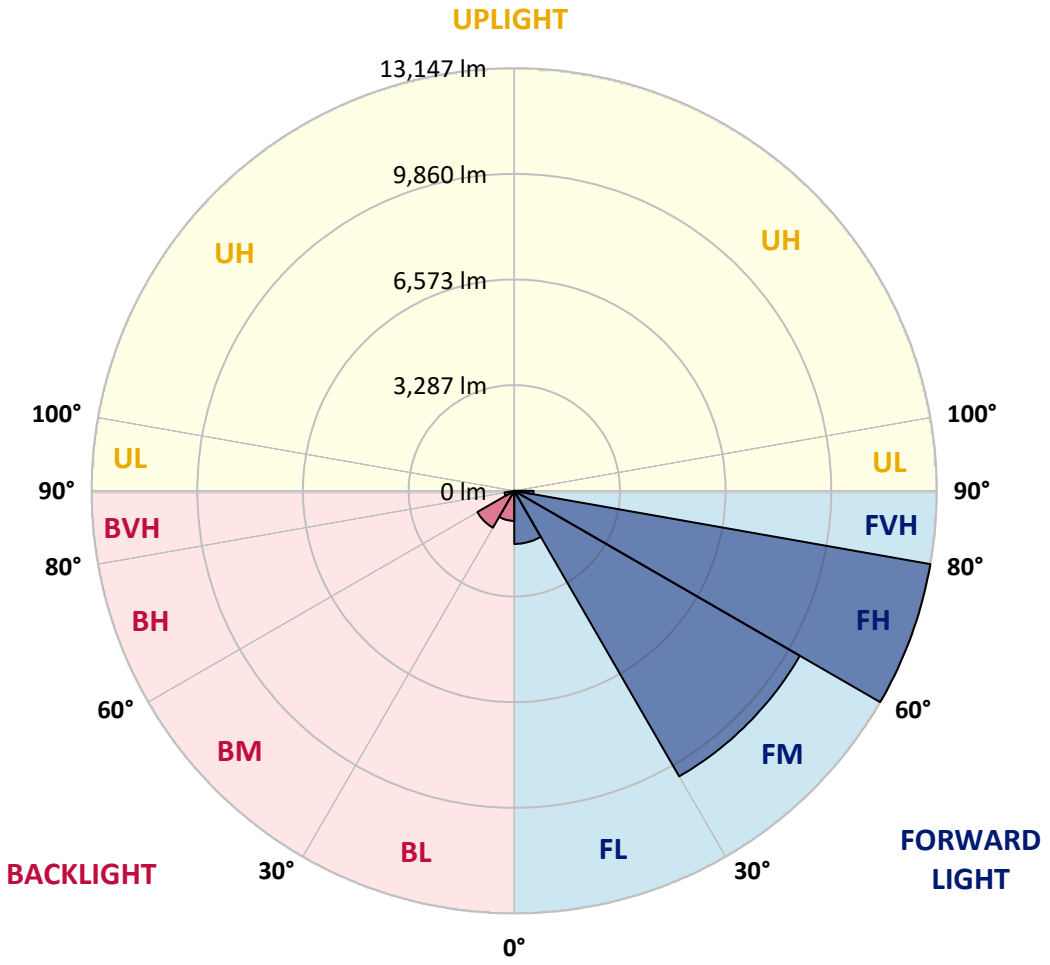
CATALOG NUMBER: GLEON-SA7C-830-U-T4FT-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	1651.6	5.9			
FM	(30°-60°)	10258.5	36.3			
FH	(60°-80°)	13146.6	46.6			G5
FVH	(80°-90°)	601.8	2.1			G4/750
BL	(0°-30°)	935.8	3.3	B2/1000		
BM	(30°-60°)	1324.6	4.7	B2/2500		
BH	(60°-80°)	307.9	1.1	B1/500		G1/500
BVH	(80°-90°)	5.1	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: P322731
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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	31°	35°	45°	55°	65°	75°	85°
0°	4857.4	4857.4	4857.4	4857.4	4857.4	4857.4	4857.4	4857.4	4857.4	4857.4	4857.4
2.5°	4603.2	4622.5	4643.2	4647.4	4681.9	4683.3	4733.0	4770.3	4807.6	4843.6	4856.0
5°	4130.7	4162.5	4199.8	4237.1	4310.3	4339.3	4460.9	4585.2	4704.0	4817.3	4872.6
7.5°	3626.5	3662.4	3714.9	3807.4	3888.9	3945.6	4137.6	4358.6	4579.7	4788.3	4908.5
10°	3166.4	3199.6	3254.8	3352.9	3478.6	3556.0	3814.3	4121.0	4445.7	4762.0	4962.4
12.5°	2873.5	2891.5	2921.9	3026.9	3140.2	3227.2	3531.1	3911.0	4335.2	4760.7	5049.4
15°	2819.7	2825.2	2800.3	2847.3	2935.7	3020.0	3328.0	3741.1	4250.9	4782.8	5162.7
17.5°	2905.3	2902.5	2819.7	2814.1	2884.6	2953.7	3228.6	3623.7	4191.5	4833.9	5309.1
20°	3035.2	3025.5	2881.8	2855.6	2930.2	2995.1	3221.7	3579.5	4169.4	4919.5	5487.3
22.5°	3207.9	3191.3	2966.1	2938.5	3018.6	3086.3	3307.3	3622.3	4188.7	5034.2	5694.6
25°	3422.0	3397.1	3111.2	3080.8	3162.3	3230.0	3460.7	3745.3	4246.7	5173.7	5957.1
27.5°	3663.8	3627.8	3343.2	3264.5	3357.1	3427.5	3665.1	3933.1	4337.9	5321.6	6278.9
30°	3891.7	3844.7	3587.8	3457.9	3571.2	3649.9	3886.2	4157.0	4484.4	5549.5	6719.6
32.5°	4121.0	4068.5	3806.0	3651.3	3753.6	3839.2	4114.1	4465.0	4759.3	5897.6	7305.4
35°	4648.8	4593.5	4271.6	4016.0	4014.7	4063.0	4433.3	4886.4	5122.6	6382.6	8004.4
37.5°	5537.1	5505.3	5198.6	4713.7	4583.8	4530.0	4868.4	5389.3	5644.8	7049.8	8793.3
40°	6509.7	6482.0	6138.0	5698.7	5501.2	5368.5	5492.9	6089.7	6382.6	7864.9	9598.7
42.5°	7608.0	7476.7	6863.3	6732.1	6555.2	6454.4	6342.5	6953.1	7288.8	8751.8	10397.2
45°	8605.4	8384.4	7588.6	7389.7	7349.6	7374.5	7436.6	8113.6	8308.4	9805.9	11193.0
47.5°	9199.4	9025.4	8414.8	8224.1	8213.1	8377.4	8847.2	9424.6	9323.8	10724.6	11893.4
50°	9764.5	9607.0	9100.0	9146.9	9198.1	9421.9	10448.3	10773.0	10250.8	11557.7	12535.8
52.5°	10221.8	9981.4	9716.1	9980.0	10231.4	10592.0	12100.6	11983.2	10908.4	12220.8	13085.6
55°	10485.6	10376.5	10505.0	10770.2	11242.7	11828.5	13660.3	12990.3	11389.1	12825.9	13451.7
57.5°	11452.7	11238.5	11494.1	11723.5	12339.6	13158.8	14996.2	13740.5	11735.9	13200.3	13536.0
60°	12622.8	12450.1	12600.7	12982.0	13813.7	14776.6	16245.1	14352.5	11916.9	13440.7	13317.7
62.5°	14485.1	14257.1	14163.2	14590.1	15692.5	16743.8	17192.8	14776.6	11876.8	13334.3	12568.9
65°	16980.1	16743.8	16323.9	16710.7	18112.9	18854.8	18252.5	14866.4	11600.5	12473.6	10676.3
67.5°	19535.9	19364.6	19005.4	19657.4	20922.9	21161.9	19372.9	14648.1	10710.8	10114.0	7543.0
70°	21224.1	21150.8	21384.3	22826.6	23955.3	23886.2	20400.7	13475.2	8348.4	6219.5	3731.4
72.5°	20007.0	20357.9	22082.0	24697.2	26075.9	25512.3	19873.0	10347.5	4771.7	2392.8	1079.0
73°	18998.5	19447.5	21768.4	24767.6	26243.1	25625.5	19429.5	9497.9	4067.2	1888.5	817.9
75°	13216.9	13768.1	18021.7	23067.0	25461.1	24415.3	16195.4	5813.4	1884.4	837.2	330.2
77.5°	6417.1	6824.6	9923.4	16666.5	19801.1	19075.8	10082.2	2166.2	851.0	523.6	152.0
80°	2395.5	2663.5	4307.5	8482.4	11443.0	11742.8	4434.6	819.2	566.4	421.4	77.4
82.5°	627.2	699.0	1588.7	3782.6	5864.5	6138.0	1398.1	413.1	414.5	346.8	47.0
85°	200.3	229.3	496.0	1697.9	2763.0	2425.9	364.7	200.3	301.2	258.3	26.2
87.5°	24.9	31.8	157.5	399.3	609.2	338.5	56.6	59.4	128.5	143.7	15.2
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: P322731
CATALOG NUMBER: GLEON-SA7C-830-U-T4FT-HSS

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	4857.4	4857.4	4857.4	4857.4	4857.4	4857.4	4857.4	4857.4	4857.4	4857.4	4857.4
2.5°	4868.4	4861.5	4862.9	4827.0	4803.5	4756.5	4708.2	4686.1	4662.6	4652.9	4662.6
5°	4893.3	4880.9	4844.9	4734.4	4617.0	4465.0	4322.7	4215.0	4079.6	4042.3	4081.0
7.5°	4932.0	4907.1	4802.1	4576.9	4315.8	4025.7	3699.7	3462.1	3267.3	3141.5	3187.1
10°	4988.6	4941.6	4730.3	4347.6	3880.6	3366.7	2903.9	2543.4	2287.8	2182.8	2178.6
12.5°	5083.9	4995.5	4641.9	4049.2	3348.8	2663.5	2057.1	1666.1	1458.9	1324.9	1322.1
15°	5188.9	5059.1	4530.0	3691.4	2729.9	1907.9	1324.9	1027.8	893.8	851.0	845.5
17.5°	5317.4	5132.3	4384.9	3250.7	2081.9	1264.1	864.8	779.2	773.6	769.5	769.5
20°	5479.1	5219.3	4198.4	2746.4	1476.8	844.1	735.0	740.5	743.2	737.7	739.1
22.5°	5666.9	5307.7	3976.0	2204.9	998.8	705.9	703.2	710.1	712.9	710.1	711.5
25°	5885.2	5410.0	3705.2	1637.1	721.1	670.0	676.9	686.6	693.5	693.5	693.5
27.5°	6156.0	5534.3	3379.2	1142.5	623.1	632.7	652.1	670.0	679.7	682.5	682.5
30°	6508.3	5689.0	2988.2	783.3	566.4	583.0	618.9	653.5	671.4	674.2	675.6
32.5°	6953.1	5863.1	2535.1	578.9	518.1	530.5	569.2	627.2	661.7	667.3	667.3
35°	7462.9	6064.8	2047.4	504.2	483.5	487.7	518.1	584.4	645.2	660.4	661.7
37.5°	8021.0	6263.7	1557.0	471.1	454.5	454.5	476.6	533.3	605.1	652.1	657.6
40°	8541.8	6383.9	1091.4	444.8	428.3	428.3	447.6	489.1	556.7	627.2	642.4
42.5°	9022.6	6425.4	759.8	420.0	403.4	407.5	424.1	457.3	508.4	578.9	592.7
45°	9517.2	6418.5	554.0	391.0	378.5	391.0	403.4	428.3	465.6	505.6	508.4
47.5°	9890.2	6360.5	439.3	363.3	355.0	371.6	382.7	399.3	420.0	417.2	417.2
50°	10239.7	6219.5	353.7	326.0	331.6	350.9	356.4	362.0	363.3	337.1	334.3
52.5°	10505.0	5999.9	283.2	286.0	308.1	327.4	321.9	313.6	299.8	268.0	262.5
55°	10593.4	5577.1	222.4	236.2	273.5	298.4	277.7	259.7	233.5	207.2	201.7
57.5°	10433.1	5031.4	181.0	183.7	230.7	251.4	227.9	207.2	178.2	156.1	152.0
60°	10093.3	4425.0	149.2	138.2	178.2	196.2	181.0	160.3	134.0	117.4	116.0
62.5°	9419.1	3778.4	123.0	107.8	135.4	150.6	140.9	125.7	103.6	92.6	91.2
65°	8001.7	3022.7	99.5	87.0	105.0	117.4	109.1	98.1	81.5	73.2	71.8
67.5°	5585.4	2043.2	81.5	71.8	82.9	92.6	85.7	80.1	64.9	63.5	64.9
70°	2693.9	985.0	67.7	58.0	64.9	71.8	69.1	64.9	62.2	71.8	82.9
72.5°	772.3	330.2	53.9	48.4	52.5	56.6	59.4	58.0	67.7	87.0	100.8
73°	*594.0*	*266.6*	*51.1*	*45.6*	*49.7*	*55.3*	*58.0*	*56.6*	*69.1*	*88.4*	*100.8*
75°	254.2	128.5	38.7	37.3	41.4	48.4	51.1	51.1	69.1	89.8	96.7
77.5°	114.7	69.1	24.9	29.0	35.9	38.7	42.8	42.8	55.3	69.1	69.1
80°	64.9	37.3	19.3	22.1	26.2	26.2	26.2	23.5	24.9	27.6	30.4
82.5°	41.4	24.9	15.2	18.0	16.6	13.8	11.1	11.1	9.7	11.1	13.8
85°	23.5	13.8	13.8	11.1	6.9	5.5	6.9	5.5	1.4	0.0	1.4
87.5°	13.8	8.3	4.1	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

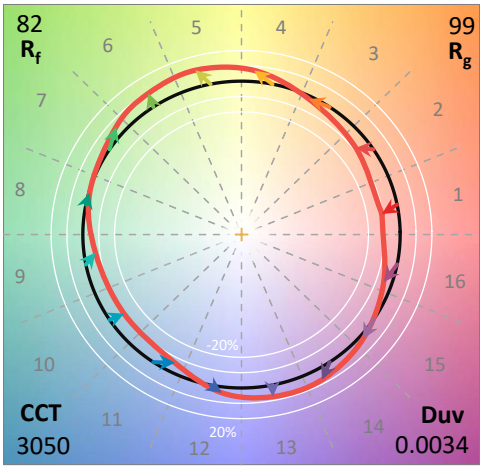
Test Information

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

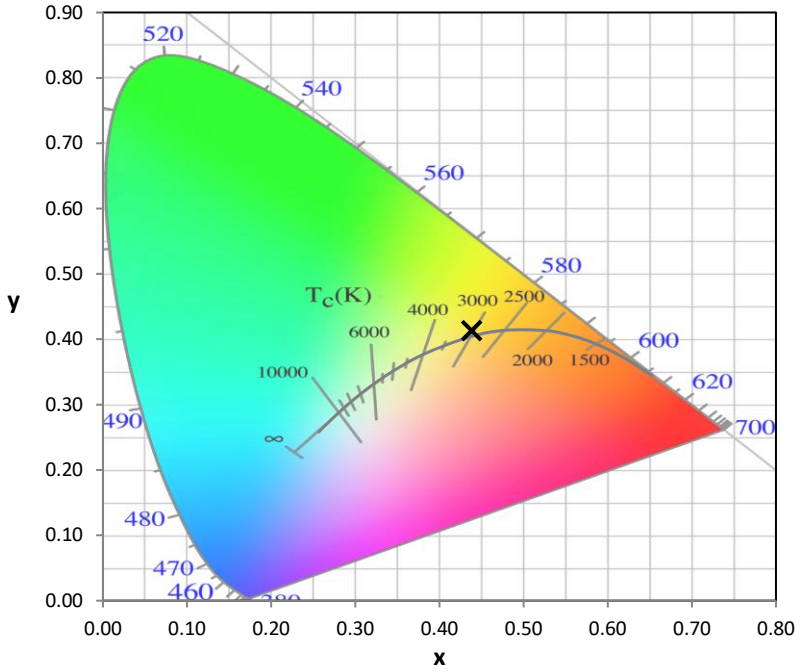
Stabilization Time:	20M
Operation Time:	1H 20M
Sphere Temperature (°C):	24.2

REPORT NUMBER: SP1-2408-195-9

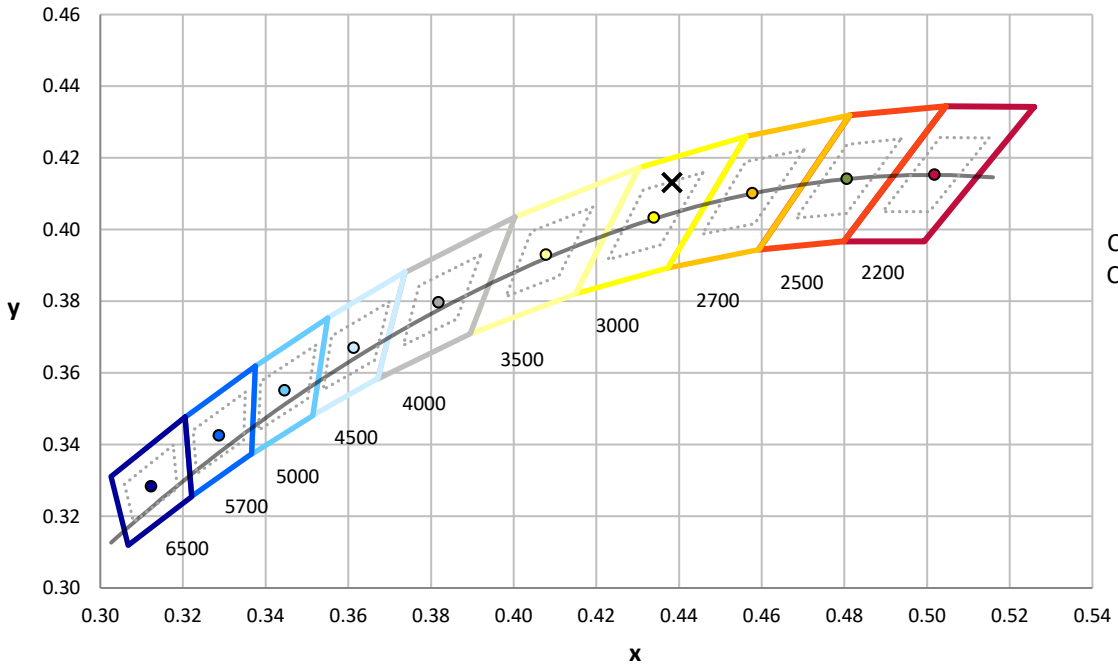
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

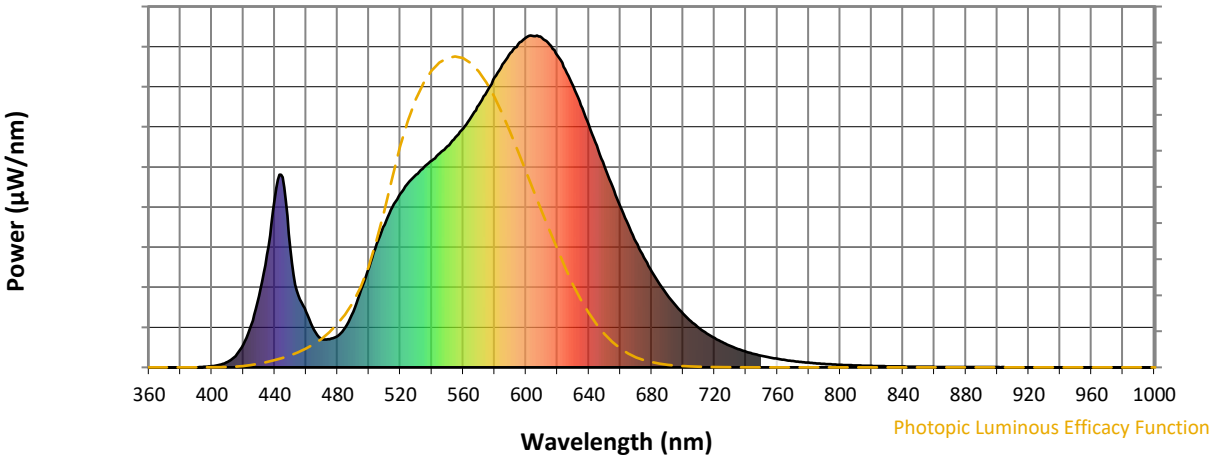


CCT = 3050K
CIE x = 0.4383
CIE y = 0.4131
Duv = 0.0034

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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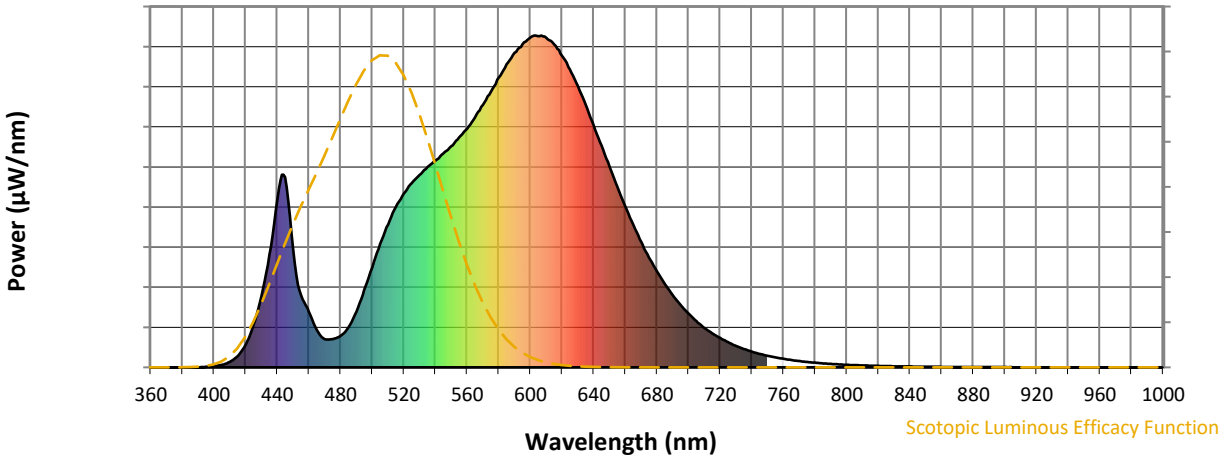
Scotopic Flux vs. Wavelength



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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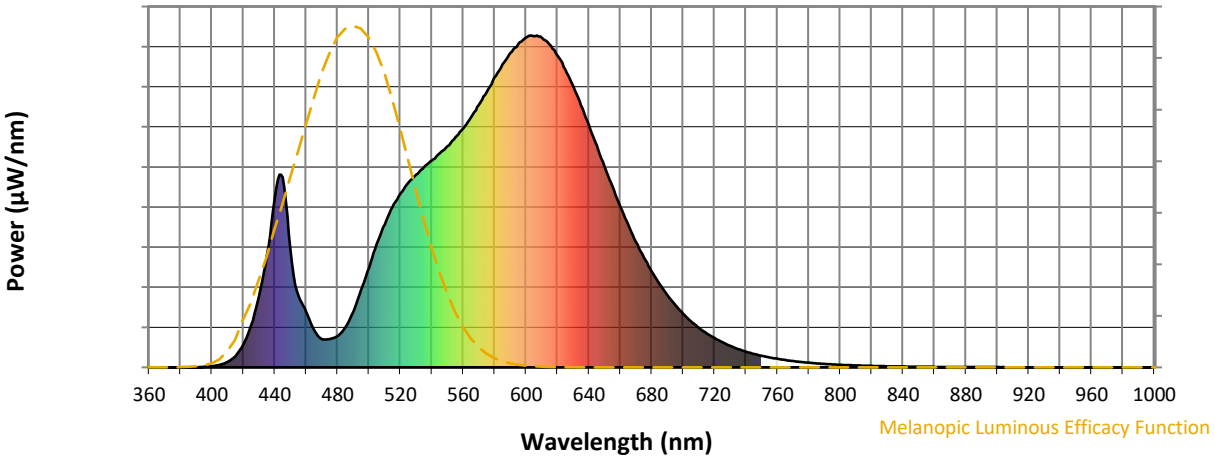
Melanopic Flux vs. Wavelength



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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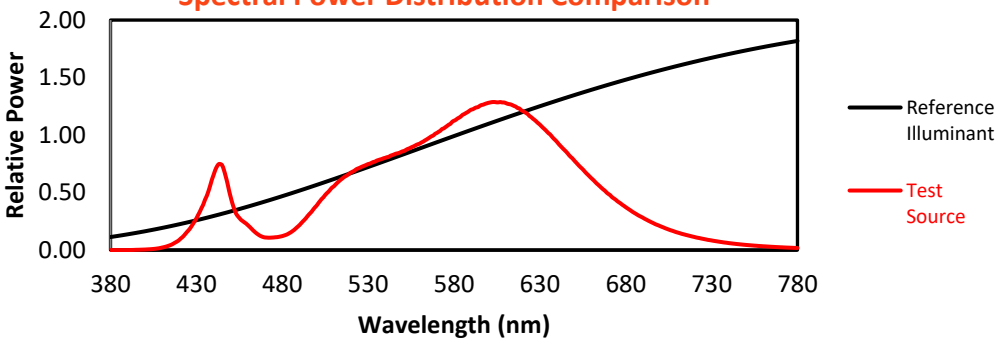
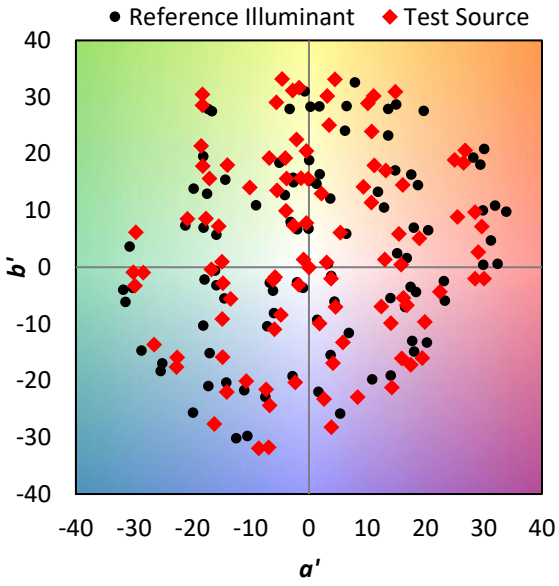
Summary

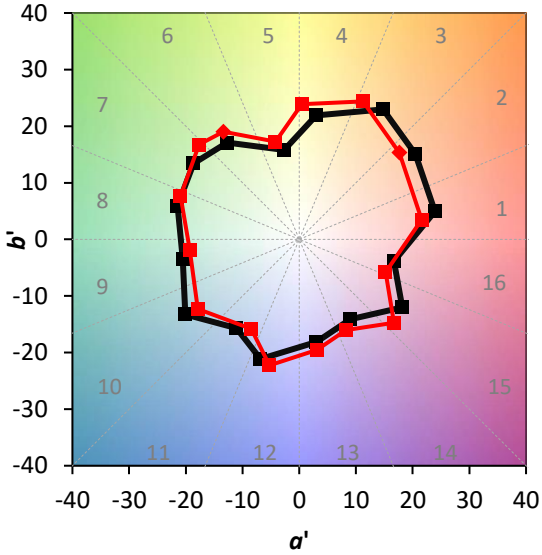
R_f = 81.5
R_g = 99.2
CIE R_a = 81.0
R_9 = 7.1

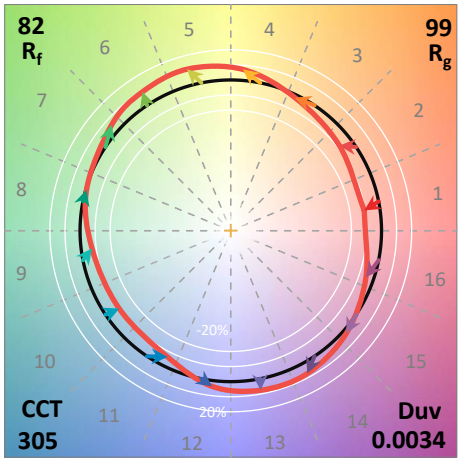
Spectral Power Distribution Comparison

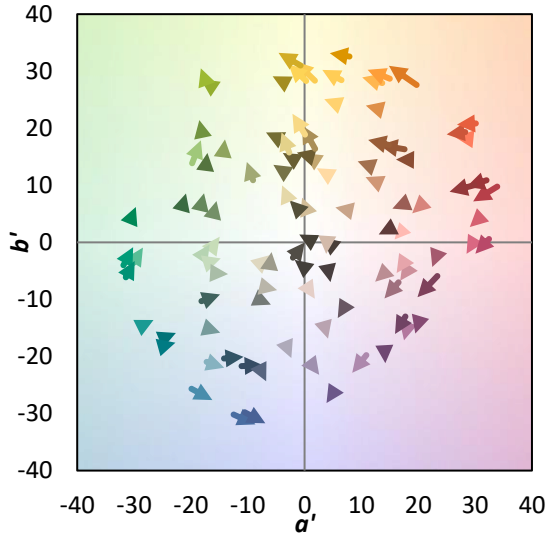


Color Vector Graphics









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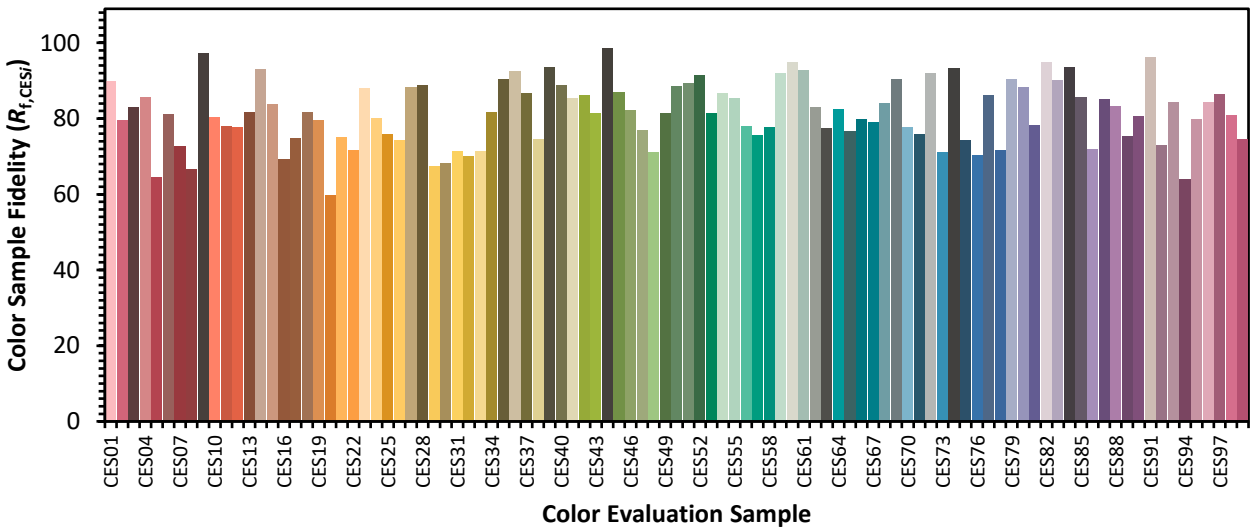
Individual Sample Fidelity Index ($R_{f,i}$)

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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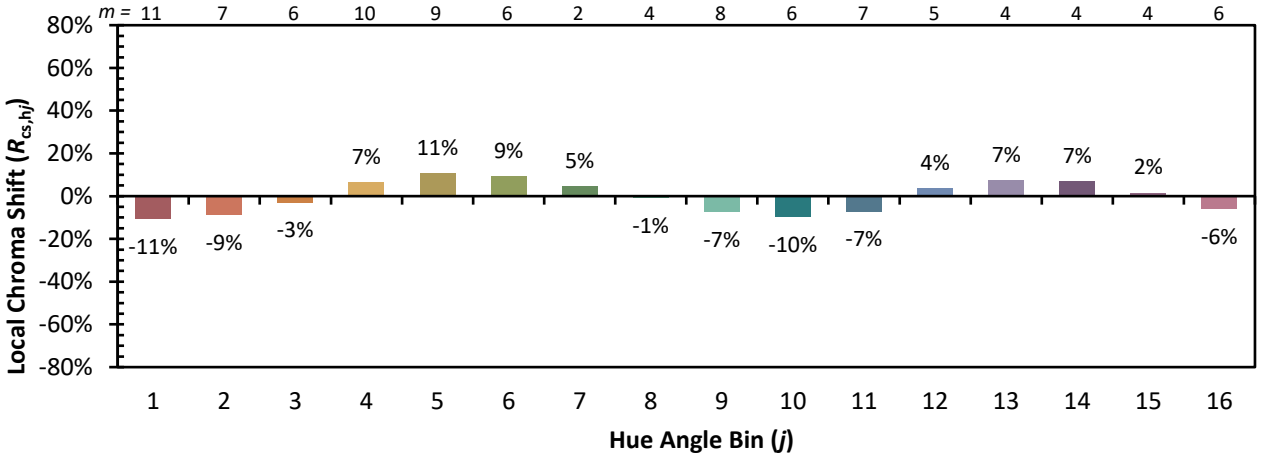
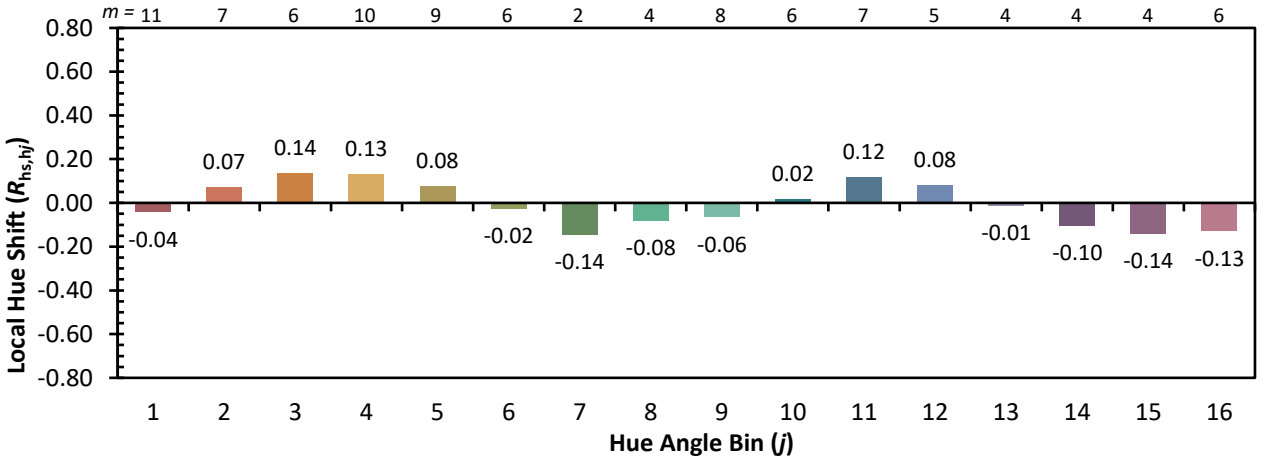
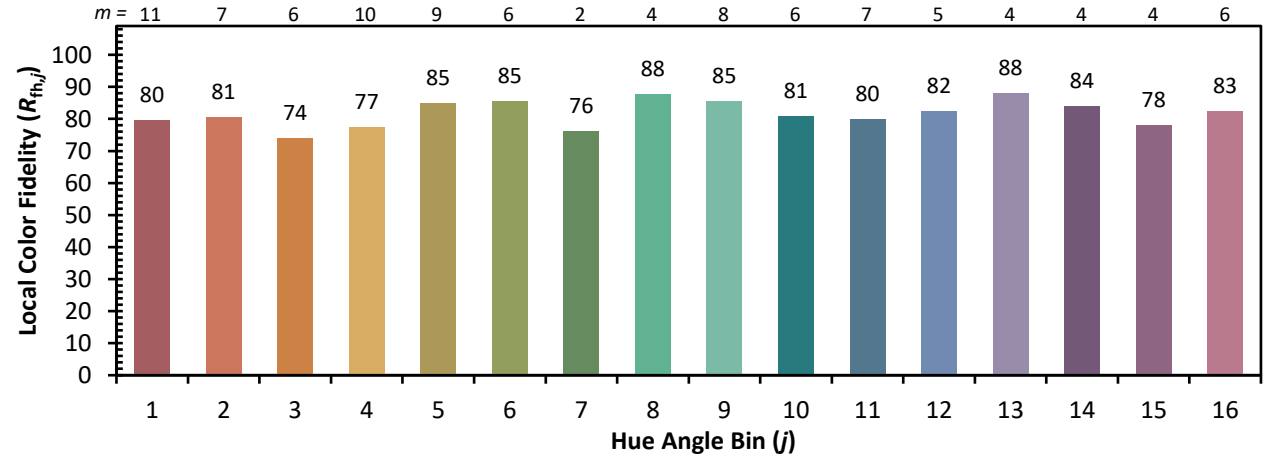
Color Rendition by Hue-Angle Bin







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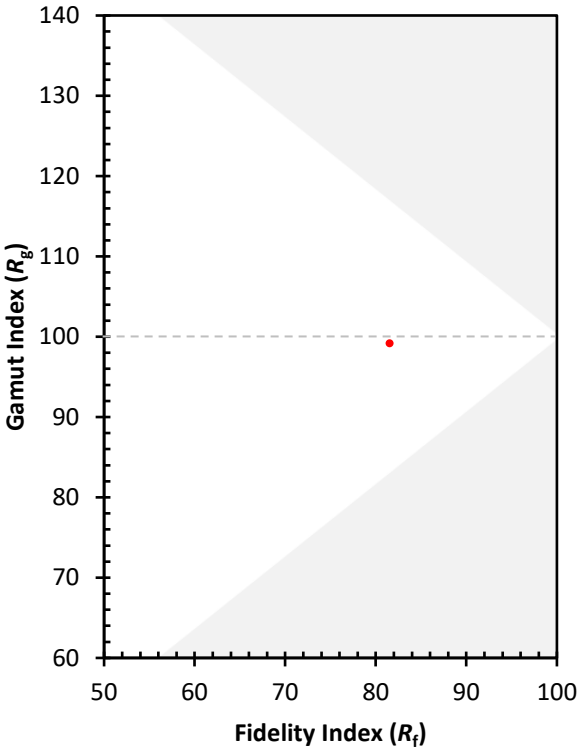
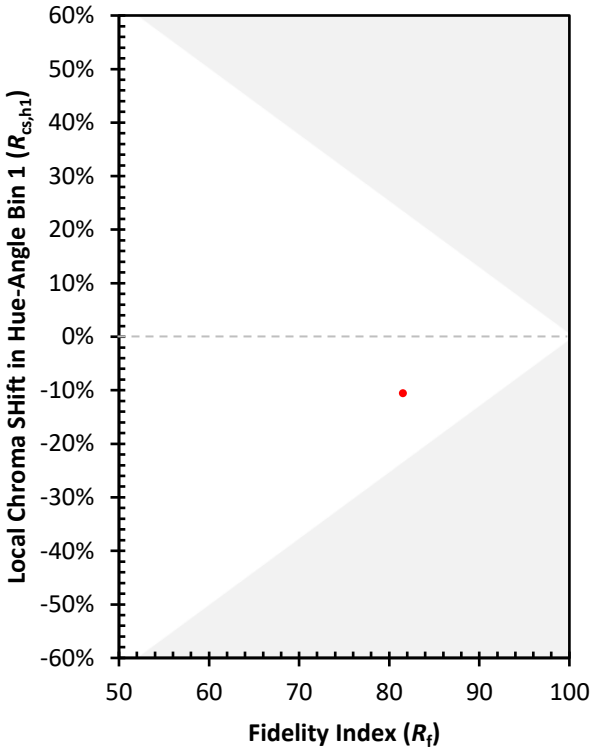
Measure Comparisons





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