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: P322724

Luminaire Tested: **GLEON-SA0B-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:	P322724
	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-SA0B-830-U-T4FT-HSS
Description:	GALLEON AREA AND ROADWAY LUMINAIRE
	(10) 80 CRI, 3000K, 800mA 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:	31920 lumens
Efficiency:	N/A
Efficacy:	76.2 lumens/watt
Luminous Opening:	Rectangular (W 2.5' x L: 1' x H: 0')
IES Classification:	Type IV - Short
BUG Rating:	B3 - U0 - G5

Input Watts (W):	419
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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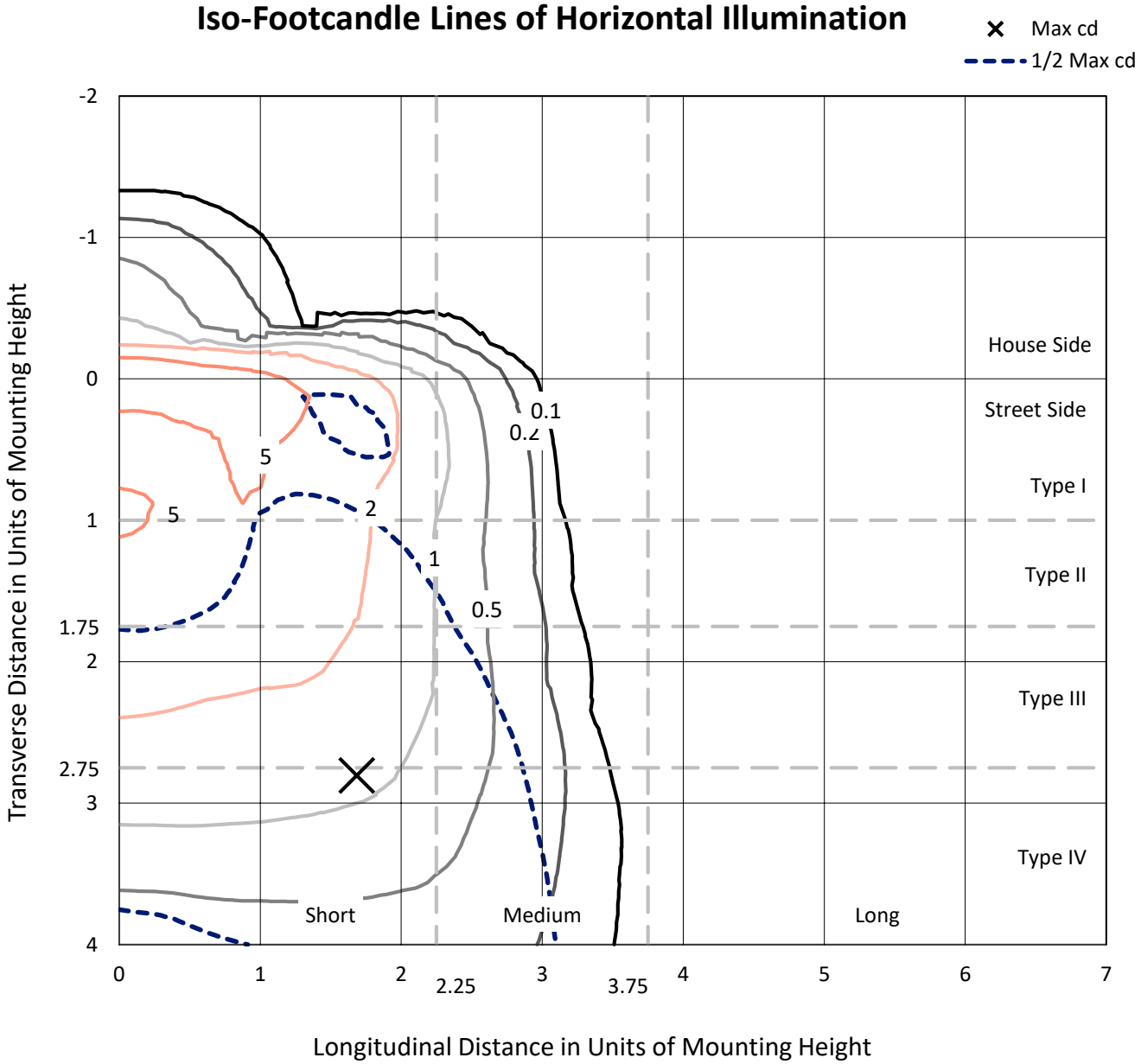
Scaled Data Report

REPORT NUMBER: P322724
CATALOG NUMBER: GLEON-SA0B-830-U-T4FT-HSS

Iso-Footcandle Lines of Horizontal Illumination



Based on 25 foot mounting height. Maximum calculated value = 8.8 fc
Type IV - Short - N/A

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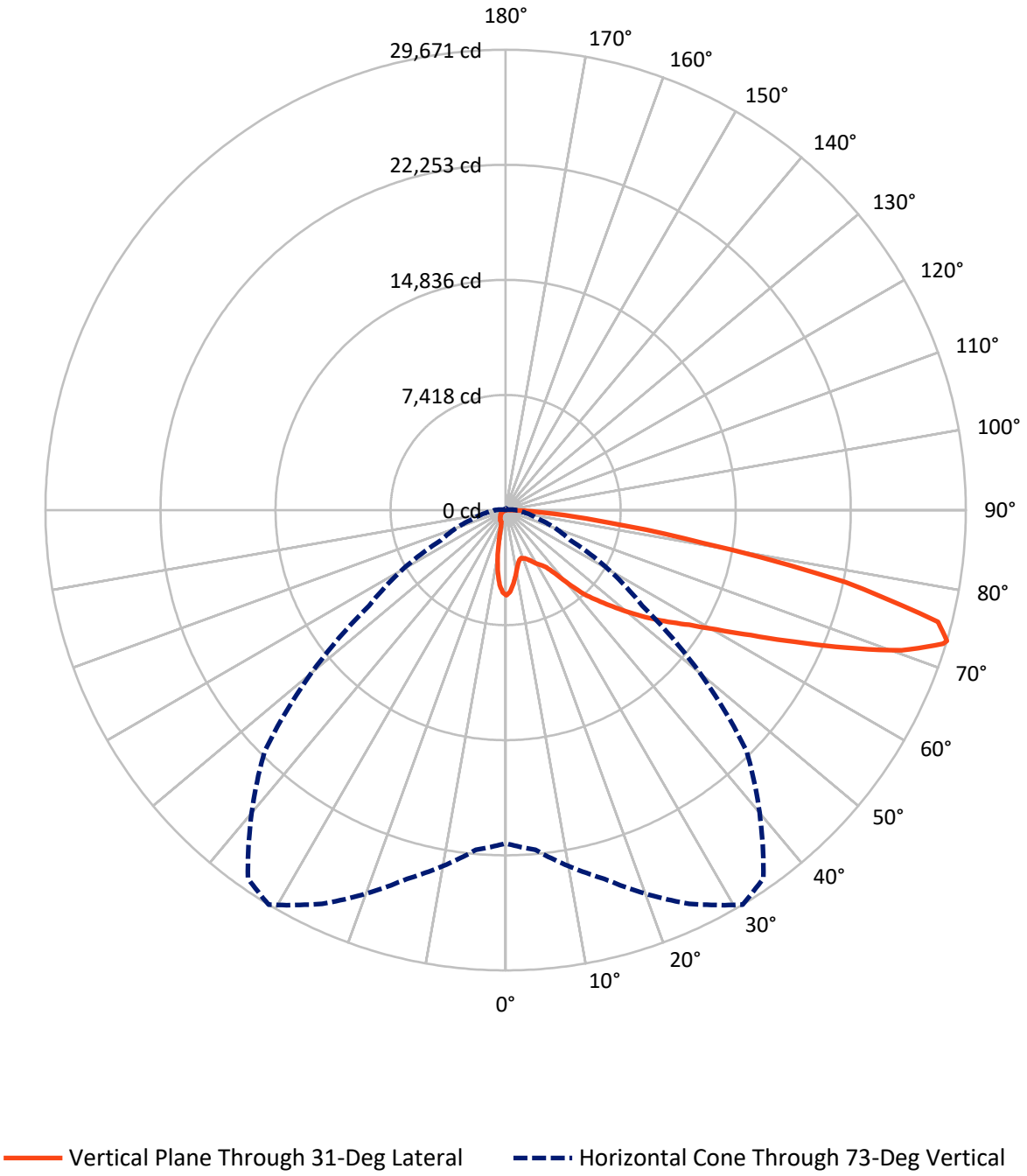
Luminous Intensity Polar Plot



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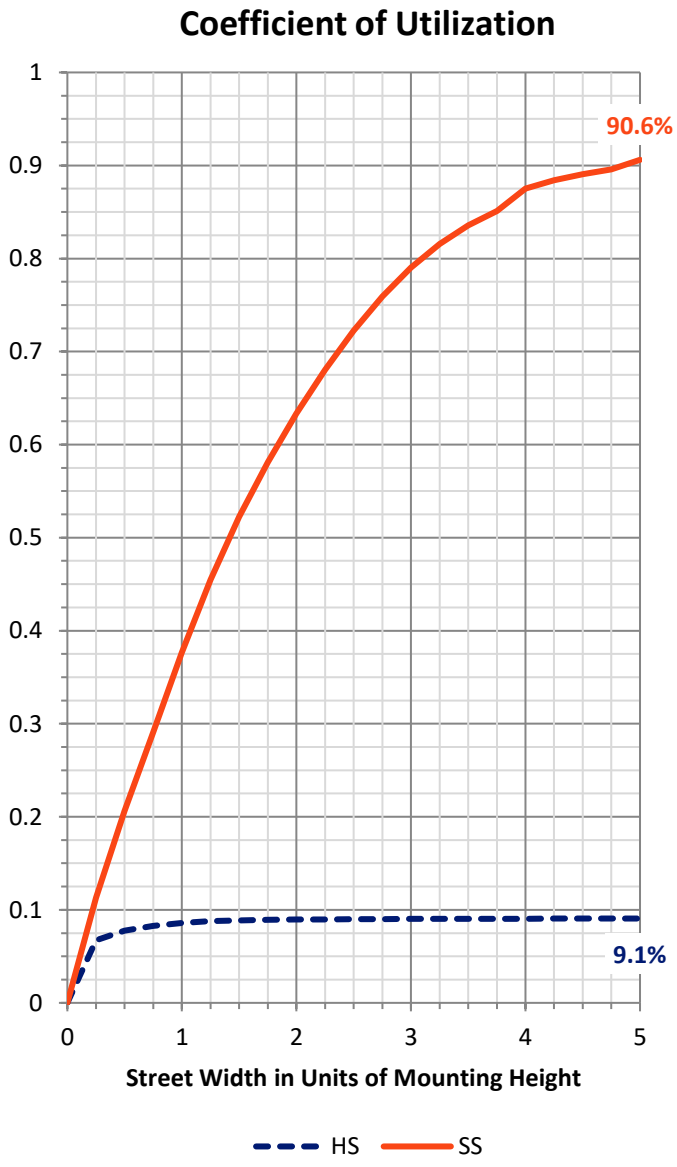
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2909.6	0.0	2909.6
	% Fixture	9.1	0.0	9.1
Street Side	Lumens	29010.4	0.0	29010.4
	% Fixture	90.9	0.0	90.9
Total	Lumens	31920.0	0.0	31920.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	455.4	1.4
10°-20°	988.7	3.1
20°-30°	1481.4	4.6
30°-40°	2356.9	7.4
40°-50°	4208.7	13.2
50°-60°	6530.7	20.5
60°-70°	8681.7	27.2
70°-80°	6530.4	20.5
80°-90°	686.2	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°	31920.0	100.0
0°-180°	31920.0	100.0



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REPORT NUMBER: P322724
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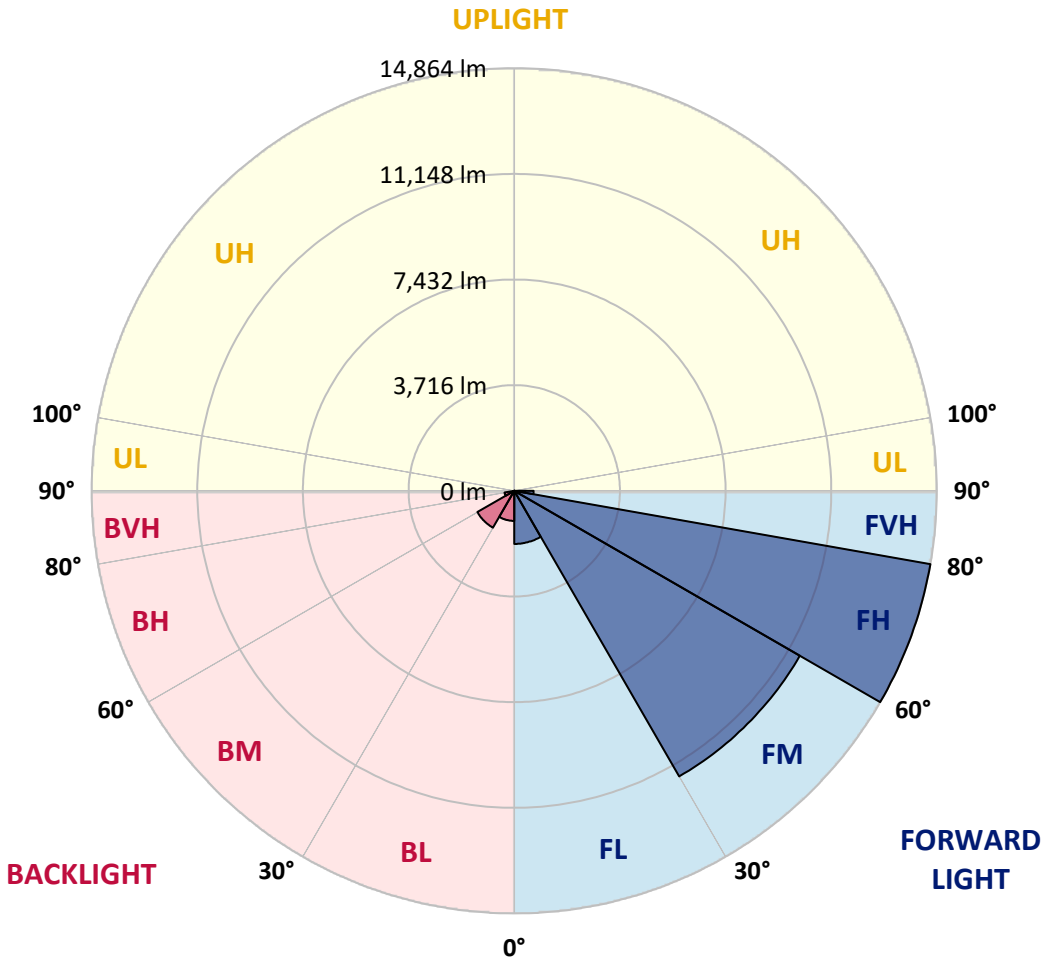
LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	1867.4	5.9			
FM	(30°-60°)	11598.6	36.3			
FH	(60°-80°)	14864.0	46.6			G5
FVH	(80°-90°)	680.4	2.1			G4/750
BL	(0°-30°)	1058.1	3.3	B3/2500		
BM	(30°-60°)	1497.7	4.7	B2/2500		
BH	(60°-80°)	348.1	1.1	B1/500		G1/500
BVH	(80°-90°)	5.8	0.0			G0/10
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G5
Type IV Short



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REPORT NUMBER: P322724
CATALOG NUMBER: GLEON-SA0B-830-U-T4FT-HSS

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	31°	35°	45°	55°	65°	75°	85°
0°	5491.9	5491.9	5491.9	5491.9	*5491.9*	5491.9	5491.9	5491.9	5491.9	5491.9	5491.9
2.5°	5204.5	5226.4	5249.8	5254.5	*5293.5*	5295.1	5351.3	5393.5	5435.7	5476.3	5490.3
5°	4670.3	4706.2	4748.4	4790.6	*4873.4*	4906.2	5043.6	5184.2	5318.5	5446.6	5509.1
7.5°	4100.2	4140.8	4200.1	4304.8	*4397.0*	4461.0	4678.1	4928.0	5177.9	5413.8	5549.7
10°	3580.0	3617.5	3680.0	3790.9	*3933.1*	4020.5	4312.6	4659.4	5026.4	5384.1	5610.6
12.5°	3248.9	3269.2	3303.6	3422.3	*3550.4*	3648.8	3992.4	4421.9	4901.5	5382.6	5709.0
15°	3188.0	3194.2	3166.1	3219.2	*3319.2*	3414.5	3762.8	4229.8	4806.2	5407.6	5837.1
17.5°	3284.8	3281.7	3188.0	3181.7	*3261.4*	3339.5	3650.3	4097.1	4739.0	5465.3	6002.7
20°	3431.7	3420.7	3258.3	3228.6	*3312.9*	3386.4	3642.5	4047.1	4714.0	5562.2	6204.2
22.5°	3626.9	3608.2	3353.6	3322.3	*3412.9*	3489.5	3739.4	4095.5	4735.9	5691.8	6438.5
25°	3869.0	3840.9	3517.6	3483.2	*3575.4*	3651.9	3912.7	4234.5	4801.5	5849.6	6735.2
27.5°	4142.4	4101.7	3780.0	3690.9	*3795.6*	3875.3	4143.9	4446.9	4904.6	6016.7	7099.2
30°	4400.1	4347.0	4056.4	3909.6	*4037.7*	4126.7	4393.8	4700.0	5070.2	6274.5	7597.4
32.5°	4659.4	4600.0	4303.2	4128.3	*4243.9*	4340.7	4651.6	5048.3	5381.0	6668.1	8259.7
35°	5256.0	5193.6	4829.6	4540.7	*4539.1*	4593.8	5012.4	5524.7	5791.8	7216.3	9050.1
37.5°	6260.4	6224.5	5877.7	5329.5	*5182.6*	5121.7	5504.4	6093.3	6382.2	7970.8	9942.0
40°	7360.0	7328.8	6939.9	6443.1	*6219.8*	6069.8	6210.4	6885.2	7216.3	8892.3	10852.6
42.5°	8601.8	8453.4	7759.9	7611.5	*7411.6*	7297.5	7171.0	7861.4	8241.0	9895.1	11755.4
45°	9729.5	9479.6	8579.9	8355.0	*8309.7*	8337.8	8408.1	9173.5	9393.7	11086.9	12655.1
47.5°	10401.2	10204.4	9514.0	9298.4	*9285.9*	9471.8	10002.9	10655.8	10541.8	12125.6	13447.0
50°	11040.0	10862.0	10288.7	10341.8	*10399.6*	10652.7	11813.2	12180.3	11589.8	13067.5	14173.4
52.5°	11557.0	11285.3	10985.4	11283.7	*11568.0*	11975.7	13681.3	13548.6	12333.3	13817.2	14795.0
55°	11855.4	11732.0	11877.3	12177.2	*12711.3*	13373.6	15444.8	14687.2	12876.9	14501.4	15208.9
57.5°	12948.8	12706.7	12995.6	13254.9	*13951.6*	14877.8	16955.2	15535.4	13269.0	14924.7	15304.2
60°	14271.8	14076.5	14246.8	14677.9	*15618.2*	16706.9	18367.3	16227.4	13473.6	15196.4	15057.4
62.5°	16377.3	16119.6	16013.4	16496.0	*17742.5*	18931.1	19438.8	16706.9	13428.3	15076.2	14210.8
65°	19198.2	18931.1	18456.3	18893.6	*20479.0*	21317.8	20636.8	16808.4	13115.9	14103.1	12070.9
67.5°	22087.9	21894.2	21488.1	22225.3	*23656.1*	23926.3	21903.6	16561.6	12110.0	11435.2	8528.4
70°	23996.6	23913.8	24177.8	25808.5	*27084.6*	27006.5	23065.7	15235.5	9439.0	7032.0	4218.9
72.5°	22620.5	23017.3	24966.6	27923.4	*29482.3*	28845.0	22469.0	11699.2	5395.1	2705.3	1219.9
73°	*21480.3*	*21987.9*	*24612.0*	*28003.1*	*29671.3*	*28973.1*	*21967.6*	*10738.6*	*4598.5*	*2135.2*	*924.7*
75°	14943.4	15566.6	20376.0	26080.3	*28787.2*	27604.8	18311.0	6572.8	2130.5	946.6	373.3
77.5°	7255.4	7716.2	11219.7	18843.7	*22387.8*	21567.7	11399.3	2449.2	962.2	592.0	171.8
80°	2708.5	3011.5	4870.2	9590.5	*12937.8*	13276.8	5013.9	926.3	640.4	476.4	87.5
82.5°	709.1	790.4	1796.3	4276.7	*6630.6*	6939.9	1580.7	467.0	468.6	392.1	53.1
85°	226.5	259.3	560.7	1919.7	*3123.9*	2742.8	412.4	226.5	340.5	292.1	29.7
87.5°	28.1	35.9	178.1	451.4	*688.8*	382.7	64.0	67.2	145.3	162.4	17.2
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: P322724
CATALOG NUMBER: GLEON-SA0B-830-U-T4FT-HSS

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	5491.9	5491.9	5491.9	5491.9	5491.9	5491.9	5491.9	5491.9	5491.9	5491.9	5491.9
2.5°	5504.4	5496.6	5498.1	5457.5	5431.0	5377.9	5323.2	5298.2	5271.7	5260.7	5271.7
5°	5532.5	5518.5	5477.8	5352.9	5220.1	5048.3	4887.4	4765.6	4612.5	4570.3	4614.1
7.5°	5576.2	5548.1	5429.4	5174.8	4879.6	4551.6	4183.0	3914.3	3694.1	3551.9	3603.5
10°	5640.3	5587.2	5348.2	4915.5	4387.6	3806.5	3283.3	2875.6	2586.6	2467.9	2463.2
12.5°	5748.1	5648.1	5248.2	4578.1	3786.2	3011.5	2325.8	1883.7	1649.4	1497.9	1494.8
15°	5866.8	5719.9	5121.7	4173.6	3086.5	2157.1	1497.9	1162.1	1010.6	962.2	955.9
17.5°	6012.0	5802.7	4957.7	3675.3	2353.9	1429.2	977.8	881.0	874.7	870.0	870.0
20°	6194.8	5901.1	4746.8	3105.2	1669.8	954.4	831.0	837.2	840.3	834.1	835.7
22.5°	6407.2	6001.1	4495.4	2492.9	1129.3	798.2	795.0	802.9	806.0	802.9	804.4
25°	6654.0	6116.7	4189.2	1850.9	815.4	757.6	765.4	776.3	784.1	784.1	784.1
27.5°	6960.2	6257.3	3820.6	1291.8	704.5	715.4	737.3	757.6	768.5	771.6	771.6
30°	7358.5	6432.2	3378.6	885.6	640.4	659.2	699.8	738.8	759.1	762.2	763.8
32.5°	7861.4	6629.0	2866.2	654.5	585.7	599.8	643.5	709.1	748.2	754.4	754.4
35°	8437.8	6857.1	2314.8	570.1	546.7	551.4	585.7	660.7	729.4	746.6	748.2
37.5°	9068.8	7082.0	1760.3	532.6	513.9	513.9	538.9	602.9	684.1	737.3	743.5
40°	9657.7	7217.9	1234.0	503.0	484.2	484.2	506.1	552.9	629.5	709.1	726.3
42.5°	10201.3	7264.7	859.1	474.8	456.1	460.8	479.5	517.0	574.8	654.5	670.1
45°	10760.4	7256.9	626.4	442.0	428.0	442.0	456.1	484.2	526.4	571.7	574.8
47.5°	11182.2	7191.3	496.7	410.8	401.4	420.2	432.7	451.4	474.8	471.7	471.7
50°	11577.4	7032.0	399.9	368.6	374.9	396.7	403.0	409.2	410.8	381.1	378.0
52.5°	11877.3	6783.7	320.2	323.3	348.3	370.2	363.9	354.6	338.9	303.0	296.8
55°	11977.2	6305.7	251.5	267.1	309.3	337.4	314.0	293.7	264.0	234.3	228.0
57.5°	11796.0	5688.7	204.6	207.7	260.8	284.3	257.7	234.3	201.5	176.5	171.8
60°	11411.8	5003.0	168.7	156.2	201.5	221.8	204.6	181.2	151.5	132.8	131.2
62.5°	10649.5	4272.0	139.0	121.8	153.1	170.3	159.3	142.1	117.1	104.7	103.1
65°	9047.0	3417.6	112.5	98.4	118.7	132.8	123.4	110.9	92.2	82.8	81.2
67.5°	6315.1	2310.2	92.2	81.2	93.7	104.7	96.8	90.6	73.4	71.9	73.4
70°	3045.8	1113.7	76.5	65.6	73.4	81.2	78.1	73.4	70.3	81.2	93.7
72.5°	873.1	373.3	60.9	54.7	59.4	64.0	67.2	65.6	76.5	98.4	114.0
73°	*671.6*	*301.5*	*57.8*	*51.5*	*56.2*	*62.5*	*65.6*	*64.0*	*78.1*	*100.0*	*114.0*
75°	287.4	145.3	43.7	42.2	46.9	54.7	57.8	57.8	78.1	101.5	109.3
77.5°	129.6	78.1	28.1	32.8	40.6	43.7	48.4	48.4	62.5	78.1	78.1
80°	73.4	42.2	21.9	25.0	29.7	29.7	29.7	26.6	28.1	31.2	34.4
82.5°	46.9	28.1	17.2	20.3	18.7	15.6	12.5	12.5	10.9	12.5	15.6
85°	26.6	15.6	15.6	12.5	7.8	6.2	7.8	6.2	1.6	0.0	1.6
87.5°	15.6	9.4	4.7	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

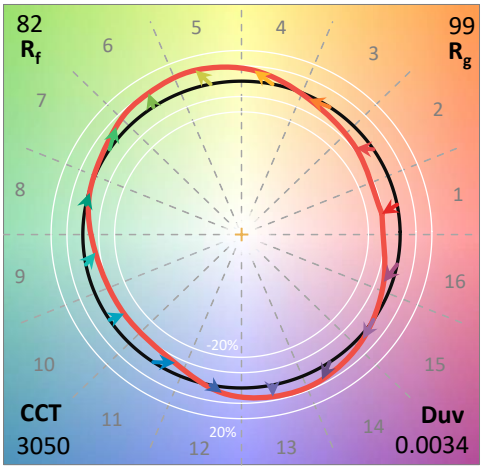
Test Information

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

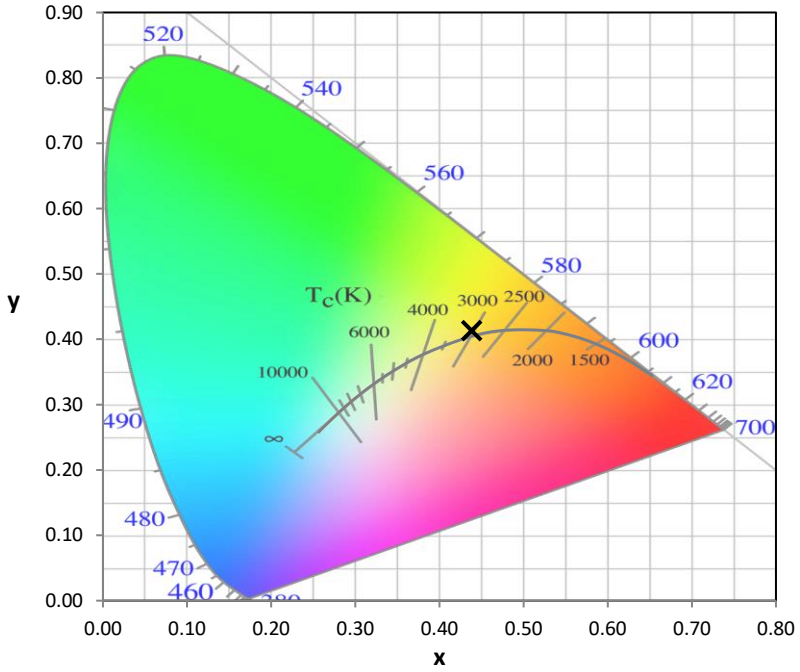
Stabilization Time:	20M
Operation Time:	1H 20M
Sphere Temperature (°C):	24.2

REPORT NUMBER: SP1-2408-195-9

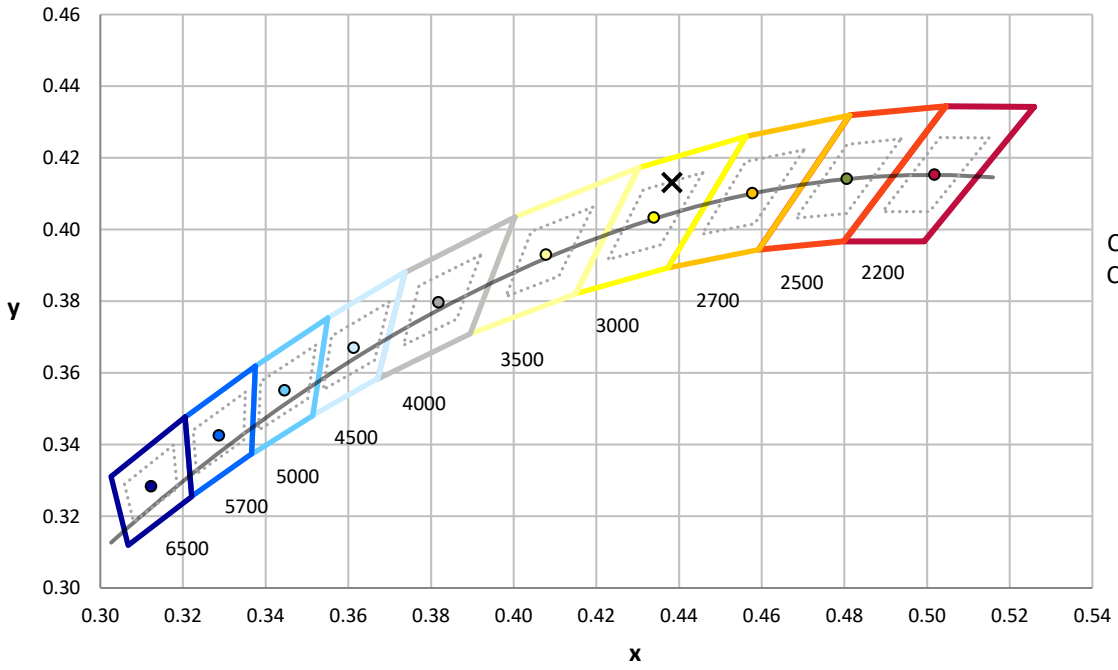
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

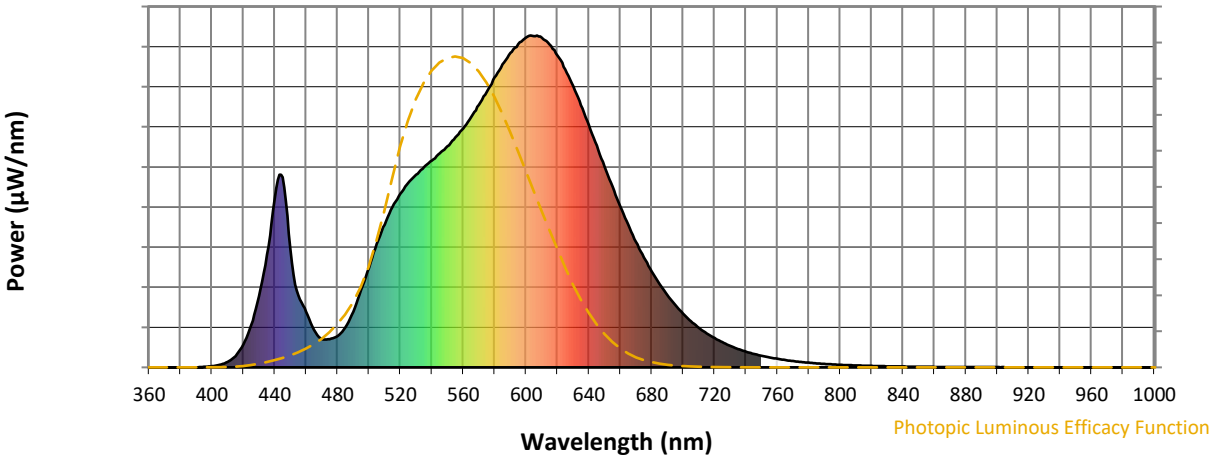


CCT = 3050K
CIE x = 0.4383
CIE y = 0.4131
Duv = 0.0034

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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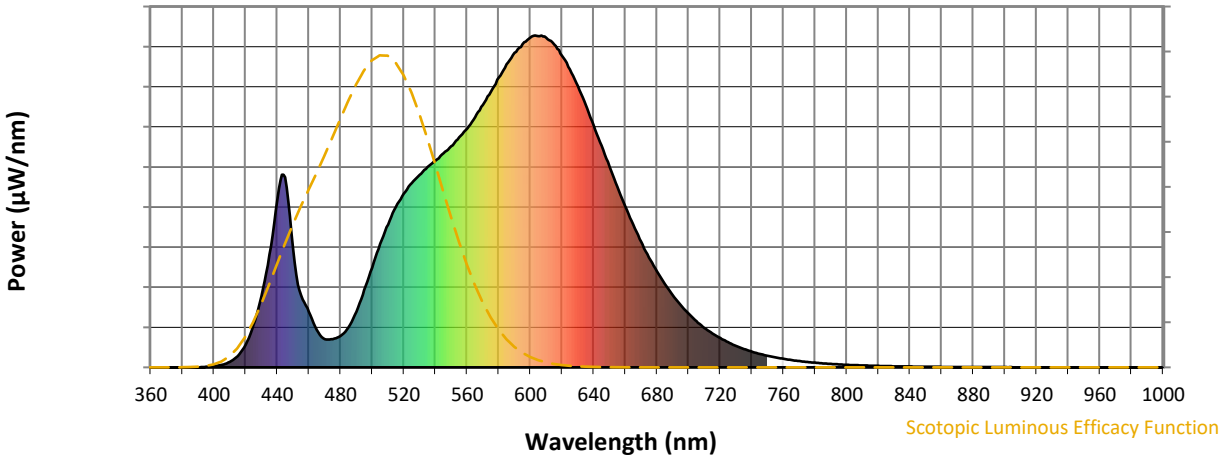
Scotopic Flux vs. Wavelength



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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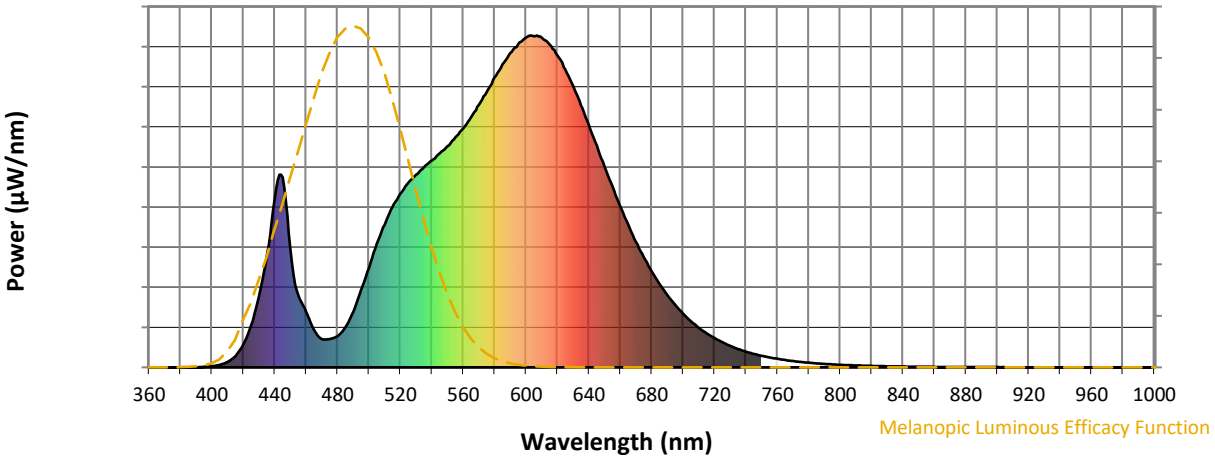
Melanopic Flux vs. Wavelength



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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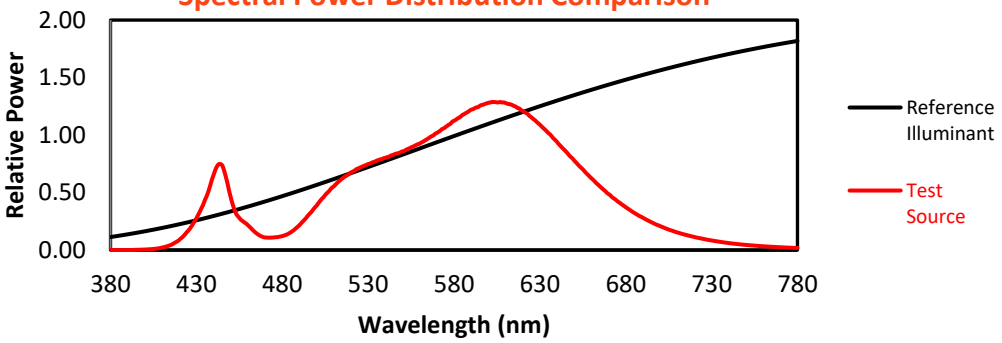
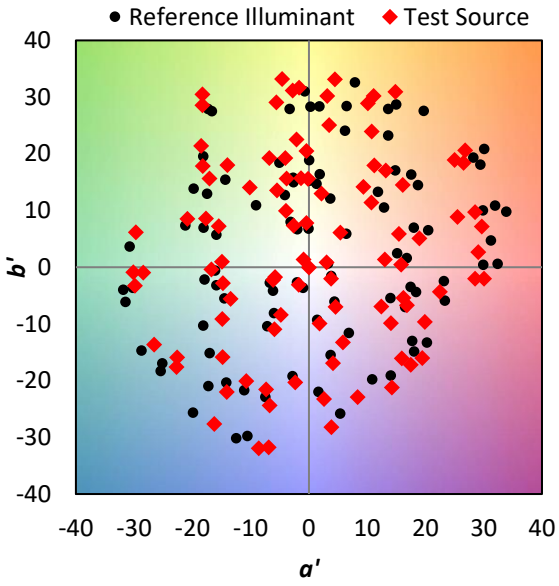
Summary

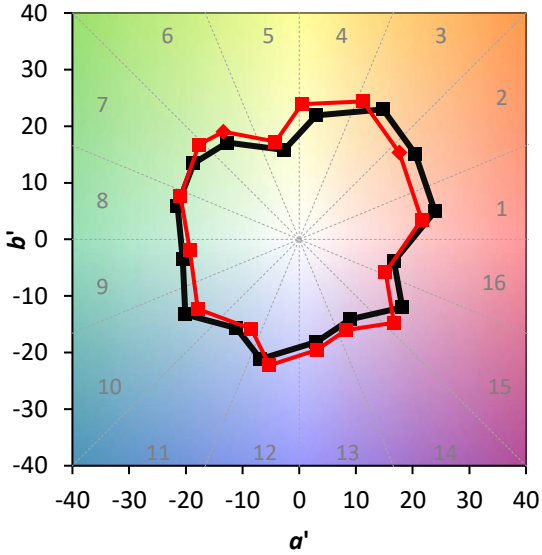
R_f = 81.5
R_g = 99.2
CIE R_a = 81.0
R_9 = 7.1

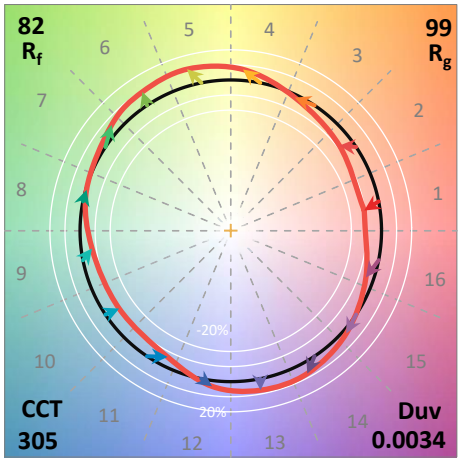
Spectral Power Distribution Comparison

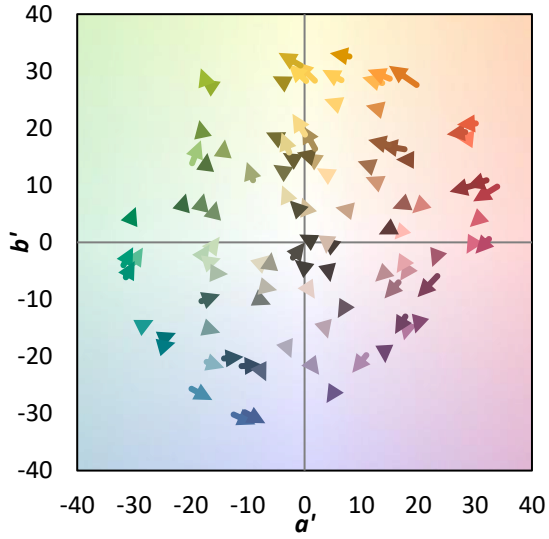


Color Vector Graphics









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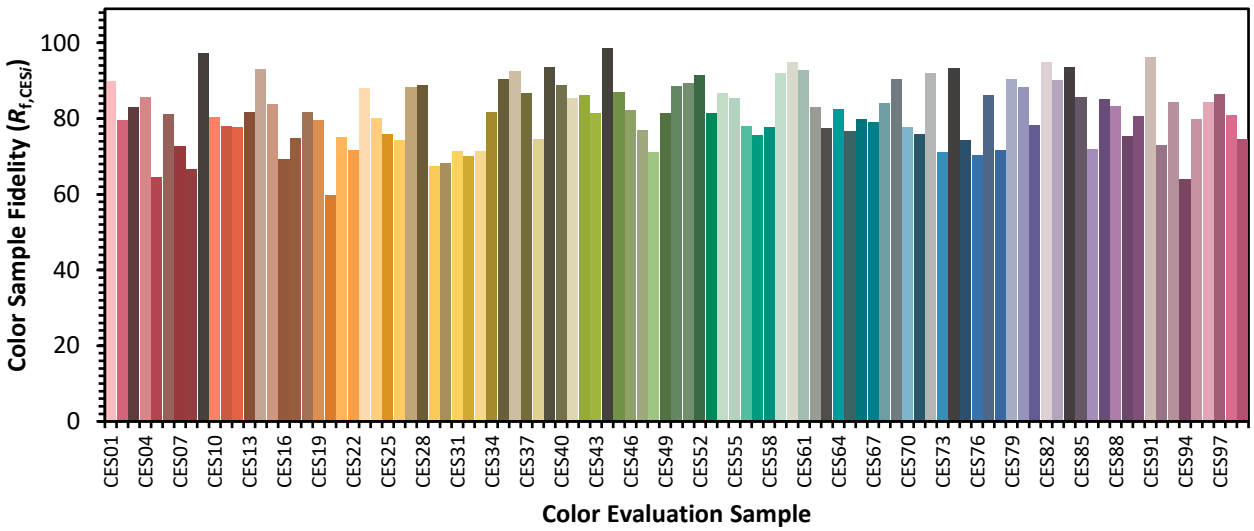
Individual Sample Fidelity Index ($R_{f,i}$)

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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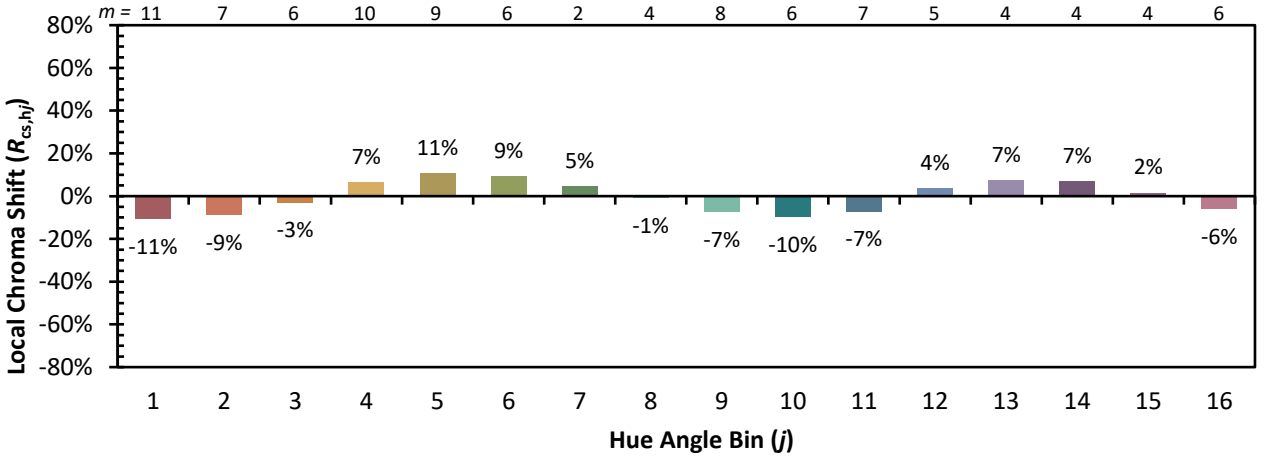
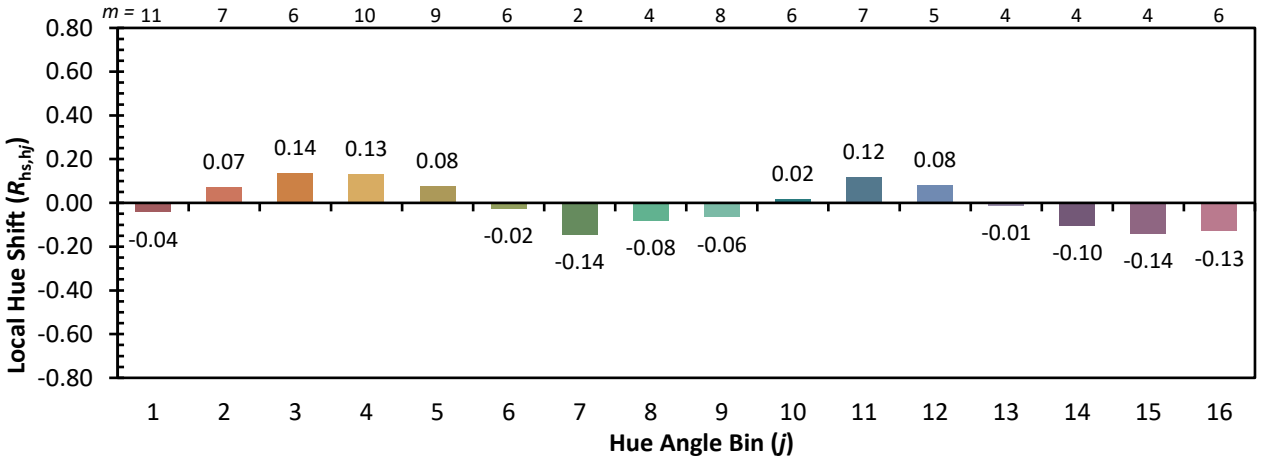
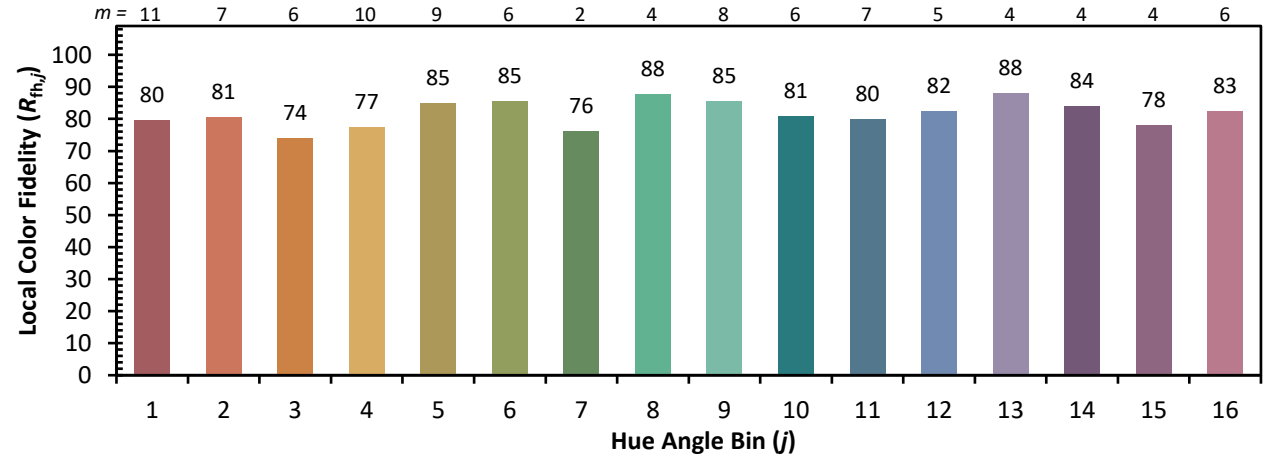
Color Rendition by Hue-Angle Bin







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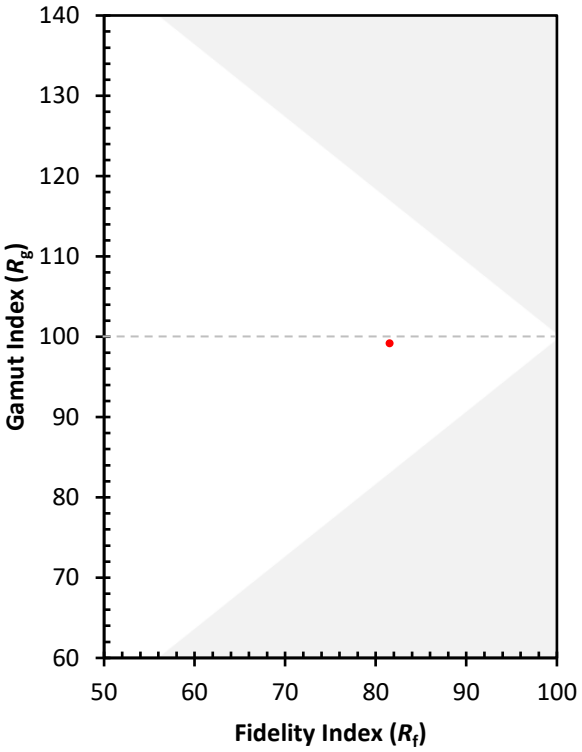
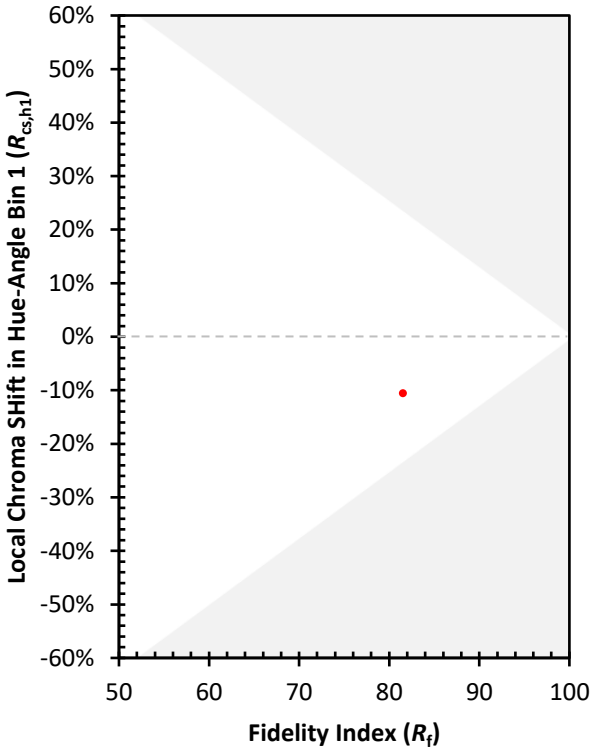
Measure Comparisons





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