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: P322732

Luminaire Tested: **GLEON-SA8C-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:	P322732
	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-SA8C-830-U-T4FT-HSS
Description:	GALLEON AREA AND ROADWAY LUMINAIRE
	(8) 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:	31990 lumens
Efficiency:	N/A
Efficacy:	71.9 lumens/watt
Luminous Opening:	Rectangular (W 2' x L: 1' x H: 0')
IES Classification:	Type IV - Short
BUG Rating:	B3 - U0 - G5

Input Watts (W):	445
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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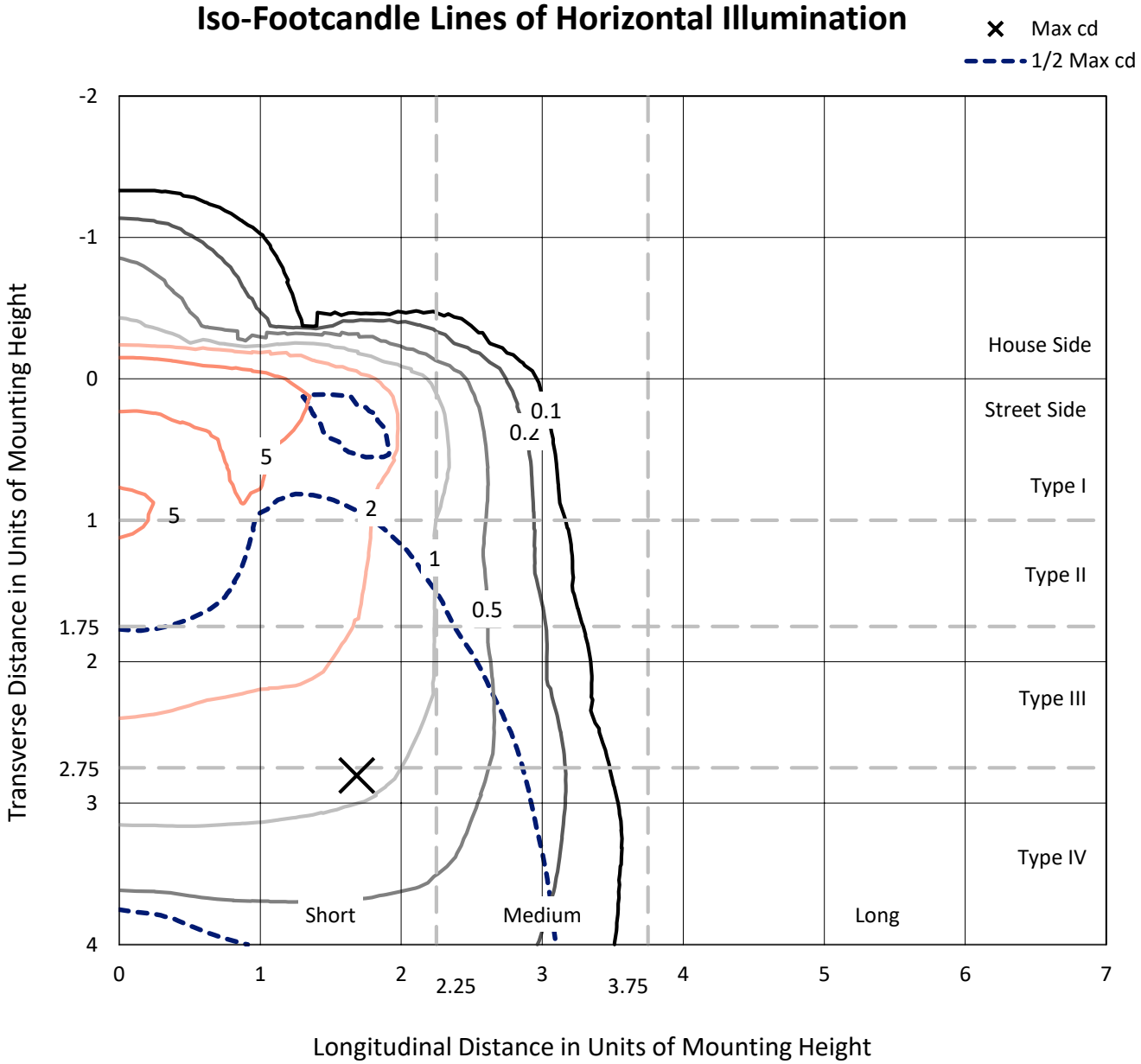
Scaled Data Report

REPORT NUMBER: P322732
CATALOG NUMBER: GLEON-SA8C-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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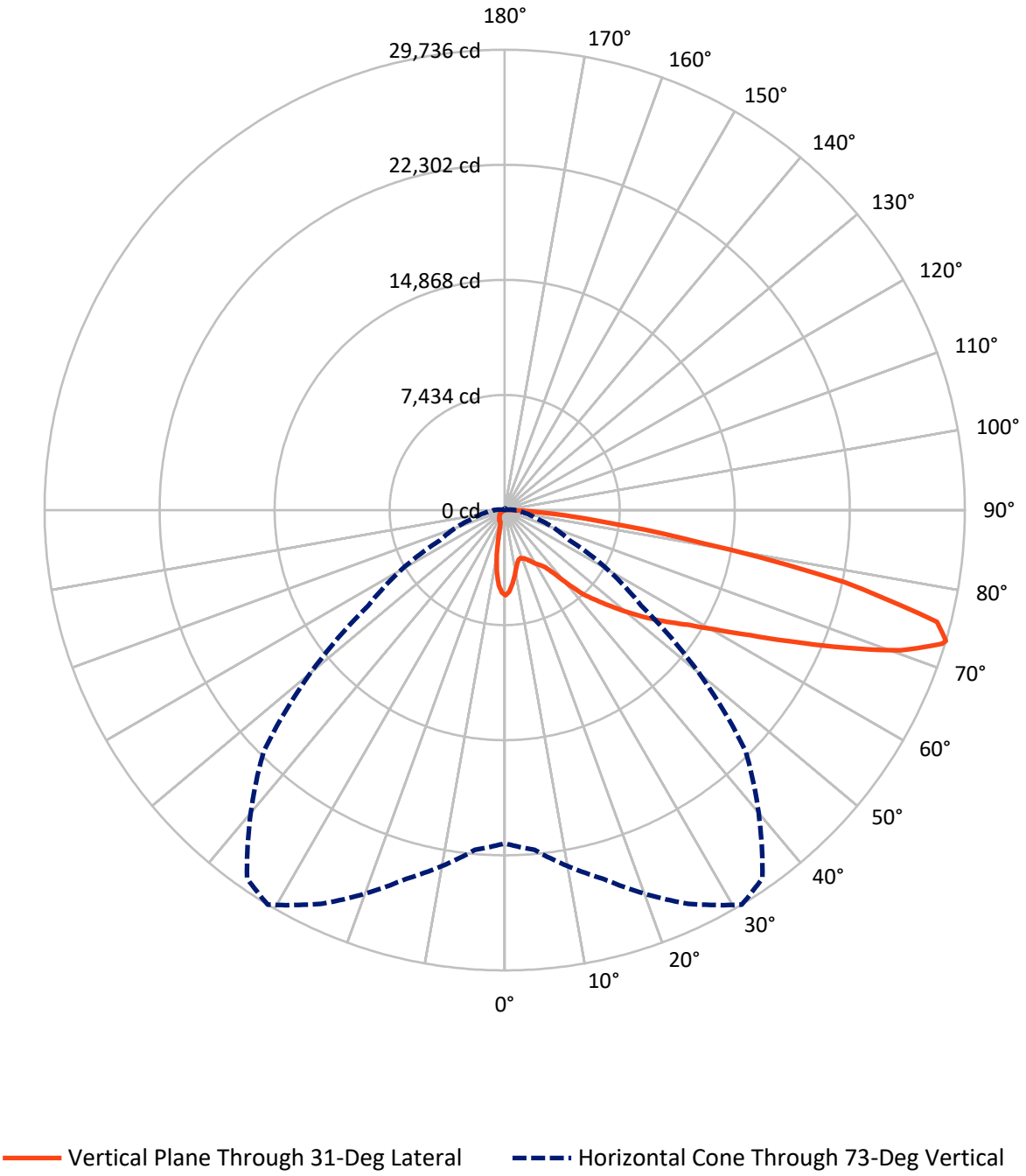
Luminous Intensity Polar Plot



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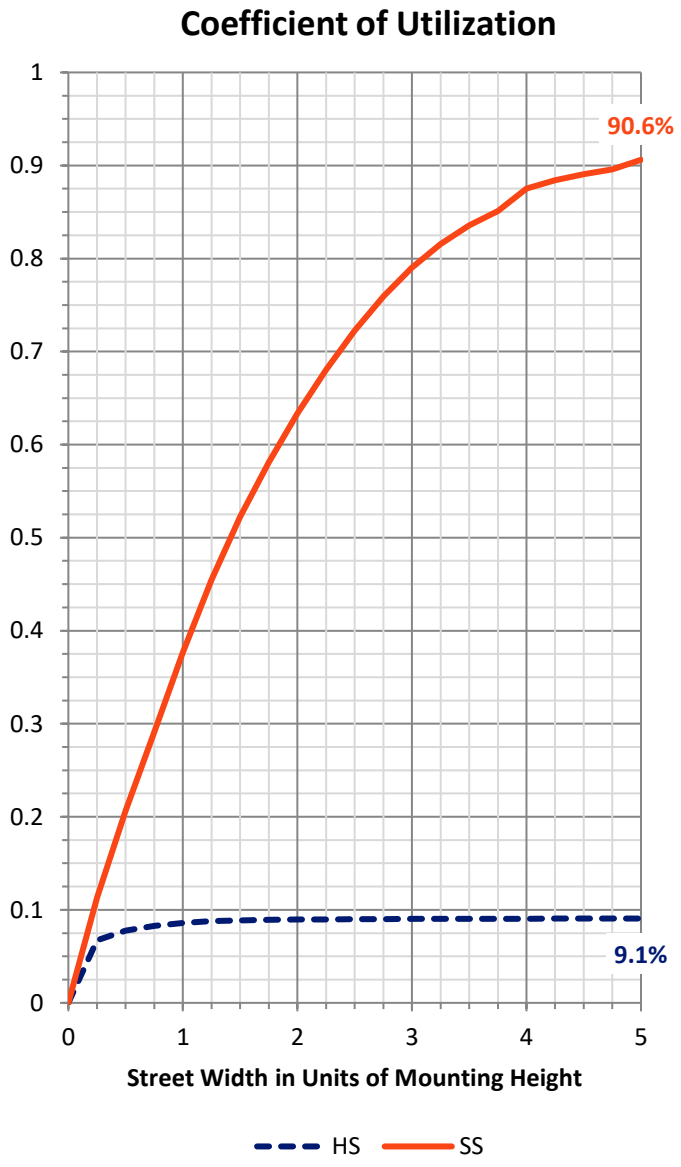
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2916.0	0.0	2916.0
	% Fixture	9.1	0.0	9.1
Street Side	Lumens	29074.0	0.0	29074.0
	% Fixture	90.9	0.0	90.9
Total	Lumens	31990.0	0.0	31990.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	456.4	1.4
10°-20°	990.9	3.1
20°-30°	1484.6	4.6
30°-40°	2362.0	7.4
40°-50°	4217.9	13.2
50°-60°	6545.0	20.5
60°-70°	8700.7	27.2
70°-80°	6544.7	20.5
80°-90°	687.7	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°	31990.0	100.0
0°-180°	31990.0	100.0



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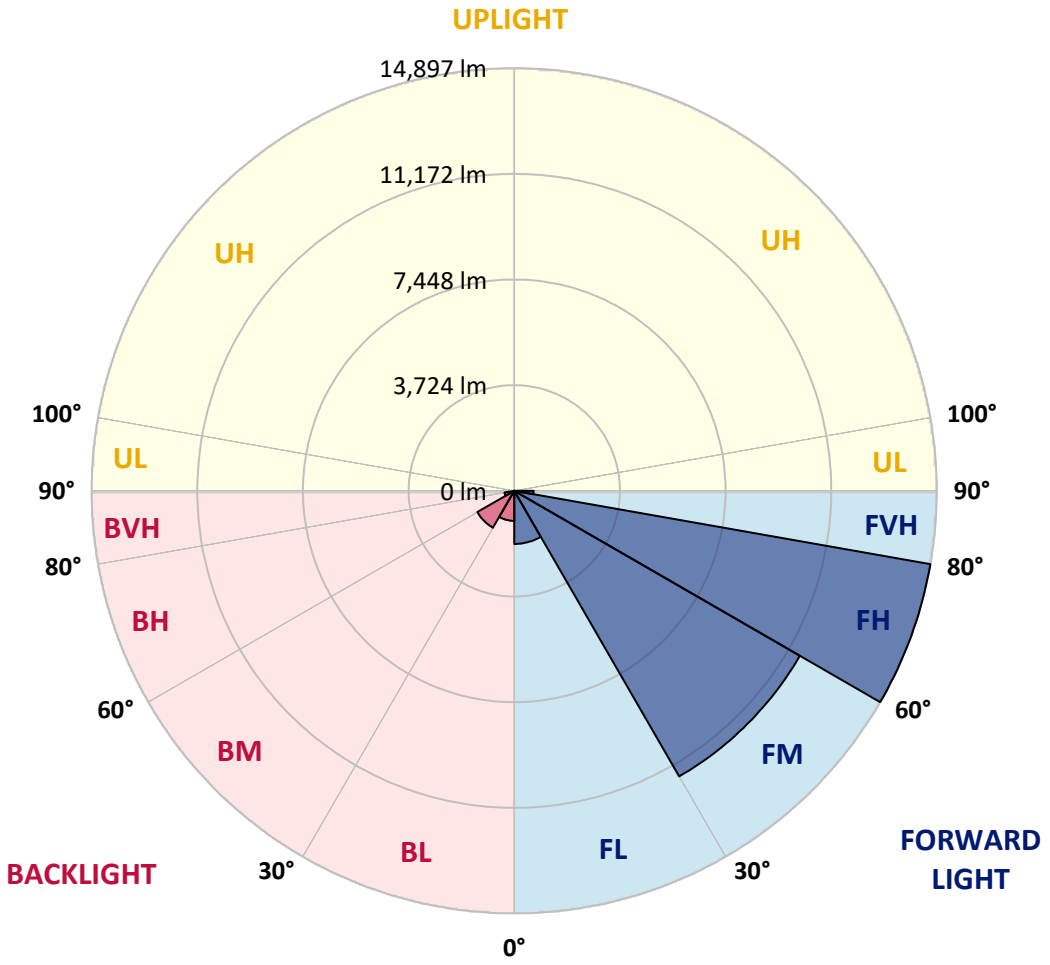
LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	1871.5	5.9			
FM	(30°-60°)	11624.1	36.3			
FH	(60°-80°)	14896.6	46.6			G5
FVH	(80°-90°)	681.9	2.1			G4/750
BL	(0°-30°)	1060.4	3.3	B3/2500		
BM	(30°-60°)	1500.9	4.7	B2/2500		
BH	(60°-80°)	348.9	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: P322732
CATALOG NUMBER: GLEON-SA8C-830-U-T4FT-HSS

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	31°	35°	45°	55°	65°	75°	85°
0°	5503.9	5503.9	5503.9	5503.9	*5503.9*	5503.9	5503.9	5503.9	5503.9	5503.9	5503.9
2.5°	5215.9	5237.8	5261.3	5266.0	*5305.1*	5306.7	5363.1	5405.3	5447.6	5488.3	5502.4
5°	4680.5	4716.5	4758.8	4801.1	*4884.0*	4916.9	5054.7	5195.6	5330.2	5458.5	5521.2
7.5°	4109.2	4149.9	4209.4	4314.2	*4406.6*	4470.8	4688.4	4938.8	5189.3	5425.7	5561.9
10°	3587.9	3625.5	3688.1	3799.2	*3941.7*	4029.3	4322.1	4669.6	5037.5	5395.9	5622.9
12.5°	3256.0	3276.4	3310.8	3429.8	*3558.2*	3656.8	4001.2	4431.6	4912.2	5394.4	5721.5
15°	3195.0	3201.2	3173.1	3226.3	*3326.5*	3422.0	3771.0	4239.1	4816.7	5419.4	5849.9
17.5°	3292.0	3288.9	3195.0	3188.7	*3268.6*	3346.8	3658.3	4106.0	4749.4	5477.3	6015.8
20°	3439.2	3428.2	3265.4	3235.7	*3320.2*	3393.8	3650.5	4056.0	4724.4	5574.4	6217.8
22.5°	3634.9	3616.1	3360.9	3329.6	*3420.4*	3497.1	3747.6	4104.5	4746.3	5704.3	6452.6
25°	3877.5	3849.3	3525.3	3490.8	*3583.2*	3659.9	3921.3	4243.8	4812.0	5862.4	6750.0
27.5°	4151.4	4110.7	3788.3	3699.0	*3803.9*	3883.8	4153.0	4456.7	4915.4	6029.9	7114.7
30°	4409.7	4356.5	4065.3	3918.2	*4046.6*	4135.8	4403.5	4710.3	5081.3	6288.2	7614.1
32.5°	4669.6	4610.1	4312.7	4137.4	*4253.2*	4350.2	4661.8	5059.4	5392.8	6682.7	8277.8
35°	5267.6	5205.0	4840.2	4550.6	*4549.1*	4603.8	5023.4	5536.8	5804.5	7232.1	9069.9
37.5°	6274.1	6238.1	5890.6	5341.1	*5194.0*	5132.9	5516.5	6106.6	6396.2	7988.2	9963.8
40°	7376.2	7344.9	6955.1	6457.3	*6233.4*	6083.1	6224.0	6900.3	7232.1	8911.8	10876.4
42.5°	8620.7	8471.9	7776.9	7628.2	*7427.8*	7313.5	7186.7	7878.7	8259.0	9916.8	11781.2
45°	9750.9	9500.4	8598.7	8373.3	*8327.9*	8356.1	8426.5	9193.6	9414.3	11111.2	12682.9
47.5°	10424.0	10226.8	9534.8	9318.8	*9306.3*	9492.6	10024.8	10679.2	10564.9	12152.2	13476.5
50°	11064.2	10885.8	10311.3	10364.5	*10422.4*	10676.0	11839.1	12207.0	11615.3	13096.1	14204.4
52.5°	11582.4	11310.0	11009.5	11308.4	*11593.3*	12001.9	13711.3	13578.3	12360.4	13847.5	14827.5
55°	11881.4	11757.7	11903.3	12203.9	*12739.2*	13403.0	15478.7	14719.5	12905.2	14533.2	15242.3
57.5°	12977.2	12734.5	13024.1	13284.0	*13982.1*	14910.4	16992.4	15569.5	13298.1	14957.4	15337.8
60°	14303.1	14107.4	14278.0	14710.1	*15652.4*	16743.5	18407.5	16262.9	13503.1	15229.8	15090.5
62.5°	16413.2	16154.9	16048.5	16532.2	*17781.4*	18972.6	19481.4	16743.5	13457.7	15109.2	14242.0
65°	19240.3	18972.6	18496.8	18935.1	*20524.0*	21364.6	20682.1	16845.3	13144.7	14134.0	12097.4
67.5°	22136.3	21942.2	21535.2	22274.1	*23708.0*	23978.8	21951.6	16597.9	12136.5	11460.3	8547.1
70°	24049.2	23966.3	24230.8	25865.1	*27144.0*	27065.8	23116.3	15268.9	9459.7	7047.4	4228.1
72.5°	22670.1	23067.7	25021.3	27984.6	*29546.9*	28908.2	22518.3	11724.8	5406.9	2711.3	1222.6
73°	*21527.4*	*22036.1*	*24666.0*	*28064.5*	*29736.3*	*29036.6*	*22015.8*	*10762.1*	*4608.5*	*2139.9*	*926.7*
75°	14976.2	15600.8	20420.6	26137.5	*28850.3*	27665.3	18351.2	6587.2	2135.2	948.6	374.1
77.5°	7271.3	7733.1	11244.3	18885.0	*22436.9*	21615.0	11424.3	2454.5	964.3	593.3	172.2
80°	2714.4	3018.1	4880.9	9611.6	*12966.2*	13305.9	5024.9	928.3	641.8	477.4	87.7
82.5°	710.7	792.1	1800.2	4286.1	*6645.1*	6955.1	1584.2	468.1	469.6	392.9	53.2
85°	227.0	259.9	562.0	1923.9	*3130.8*	2748.8	413.3	227.0	341.3	292.7	29.7
87.5°	28.2	36.0	178.5	452.4	*690.3*	383.5	64.2	67.3	145.6	162.8	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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Scaled Data Report

REPORT NUMBER: P322732
CATALOG NUMBER: GLEON-SA8C-830-U-T4FT-HSS

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	5503.9	5503.9	5503.9	5503.9	5503.9	5503.9	5503.9	5503.9	5503.9	5503.9	5503.9
2.5°	5516.5	5508.6	5510.2	5469.5	5442.9	5389.7	5334.9	5309.8	5283.2	5272.3	5283.2
5°	5544.6	5530.6	5489.9	5364.6	5231.6	5059.4	4898.1	4776.0	4622.6	4580.4	4624.2
7.5°	5588.5	5560.3	5441.3	5186.2	4890.3	4561.6	4192.1	3922.9	3702.2	3559.7	3611.4
10°	5652.7	5599.4	5359.9	4926.3	4397.2	3814.9	3290.5	2881.9	2592.3	2473.3	2468.6
12.5°	5760.7	5660.5	5259.7	4588.2	3794.5	3018.1	2330.9	1887.9	1653.1	1501.2	1498.1
15°	5879.6	5732.5	5132.9	4182.7	3093.2	2161.8	1501.2	1164.7	1012.8	964.3	958.0
17.5°	6025.2	5815.5	4968.6	3683.4	2359.1	1432.3	979.9	882.9	876.6	871.9	871.9
20°	6208.4	5914.1	4757.2	3112.0	1673.4	956.5	832.8	839.1	842.2	835.9	837.5
22.5°	6421.3	6014.3	4505.2	2498.4	1131.8	799.9	796.8	804.6	807.7	804.6	806.2
25°	6668.6	6130.1	4198.4	1855.0	817.1	759.2	767.0	778.0	785.8	785.8	785.8
27.5°	6975.4	6271.0	3829.0	1294.6	706.0	717.0	738.9	759.2	770.2	773.3	773.3
30°	7374.6	6446.3	3386.0	887.6	641.8	660.6	701.3	740.4	760.8	763.9	765.5
32.5°	7878.7	6643.6	2872.5	655.9	587.0	601.1	644.9	710.7	749.8	756.1	756.1
35°	8456.3	6872.1	2319.9	571.4	547.9	552.6	587.0	662.2	731.0	748.3	749.8
37.5°	9088.7	7097.5	1764.2	533.8	515.0	515.0	540.1	604.2	685.6	738.9	745.1
40°	9678.9	7233.7	1236.7	504.1	485.3	485.3	507.2	554.2	630.9	710.7	727.9
42.5°	10223.6	7280.7	861.0	475.9	457.1	461.8	480.6	518.1	576.1	655.9	671.6
45°	10784.0	7272.8	627.7	443.0	428.9	443.0	457.1	485.3	527.5	572.9	576.1
47.5°	11206.7	7207.1	497.8	411.7	402.3	421.1	433.6	452.4	475.9	472.8	472.8
50°	11602.7	7047.4	400.7	369.4	375.7	397.6	403.9	410.1	411.7	382.0	378.8
52.5°	11903.3	6798.5	320.9	324.0	349.1	371.0	364.7	355.3	339.7	303.7	297.4
55°	12003.5	6319.5	252.0	267.7	309.9	338.1	314.6	294.3	264.6	234.8	228.5
57.5°	11821.9	5701.2	205.1	208.2	261.4	284.9	258.3	234.8	201.9	176.9	172.2
60°	11436.8	5014.0	169.1	156.5	201.9	222.3	205.1	181.6	151.8	133.1	131.5
62.5°	10672.9	4281.4	139.3	122.1	153.4	170.6	159.7	142.5	117.4	104.9	103.3
65°	9066.8	3425.1	112.7	98.6	119.0	133.1	123.7	111.1	92.4	83.0	81.4
67.5°	6328.9	2315.2	92.4	81.4	93.9	104.9	97.1	90.8	73.6	72.0	73.6
70°	3052.5	1116.1	76.7	65.7	73.6	81.4	78.3	73.6	70.4	81.4	93.9
72.5°	875.1	374.1	61.1	54.8	59.5	64.2	67.3	65.7	76.7	98.6	114.3
73°	*673.1*	*302.1*	*57.9*	*51.7*	*56.4*	*62.6*	*65.7*	*64.2*	*78.3*	*100.2*	*114.3*
75°	288.0	145.6	43.8	42.3	47.0	54.8	57.9	57.9	78.3	101.8	109.6
77.5°	129.9	78.3	28.2	32.9	40.7	43.8	48.5	48.5	62.6	78.3	78.3
80°	73.6	42.3	21.9	25.0	29.7	29.7	29.7	26.6	28.2	31.3	34.4
82.5°	47.0	28.2	17.2	20.4	18.8	15.7	12.5	12.5	11.0	12.5	15.7
85°	26.6	15.7	15.7	12.5	7.8	6.3	7.8	6.3	1.6	0.0	1.6
87.5°	15.7	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

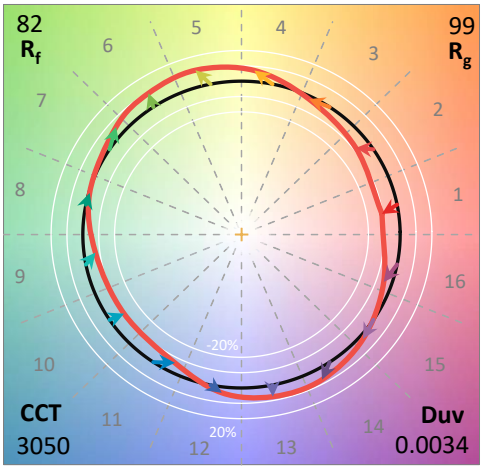
Test Information

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

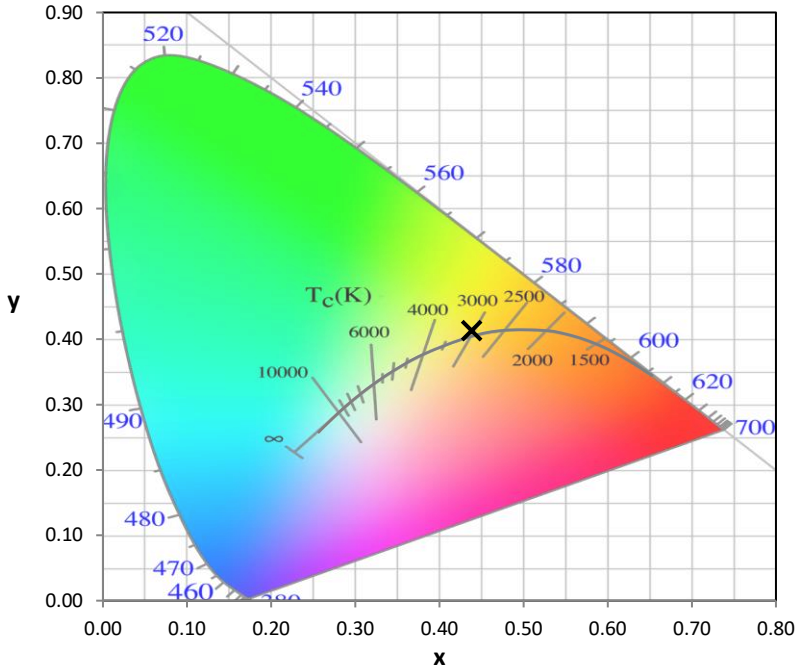
Stabilization Time:	20M
Operation Time:	1H 20M
Sphere Temperature (°C):	24.2

REPORT NUMBER: SP1-2408-195-9

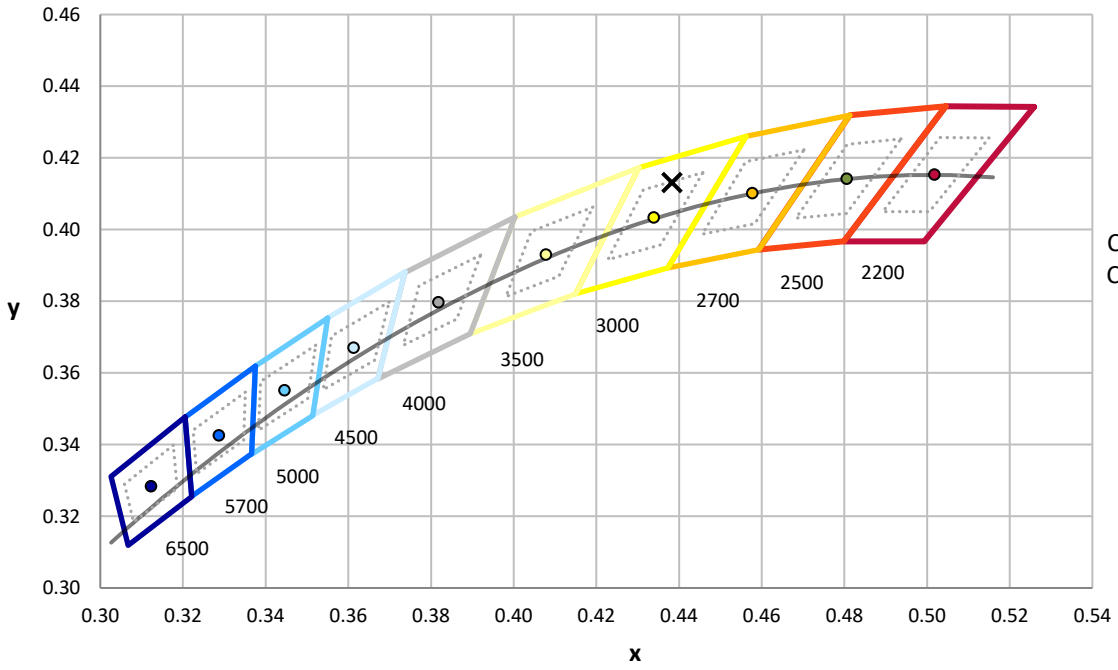
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

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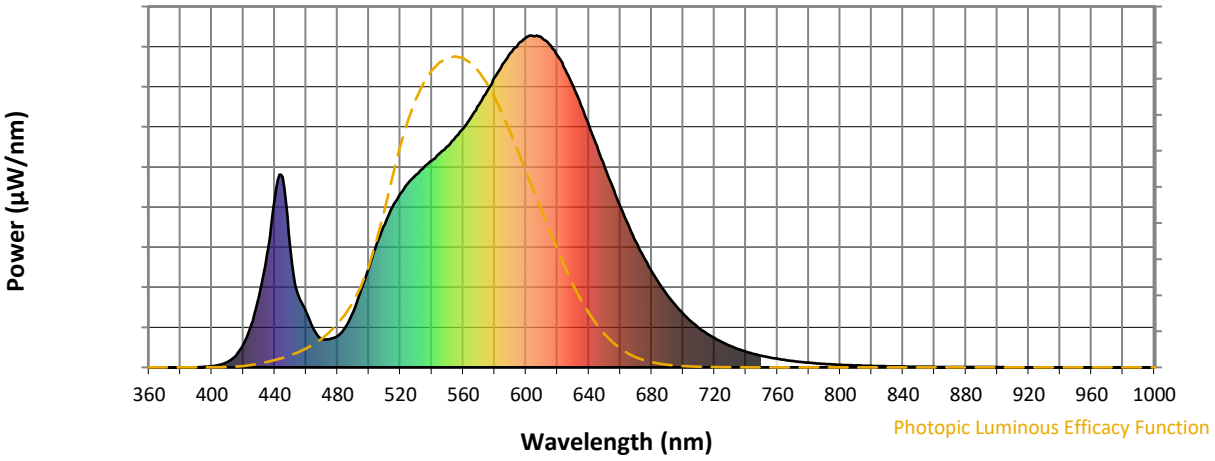
Photopic Flux vs. Wavelength



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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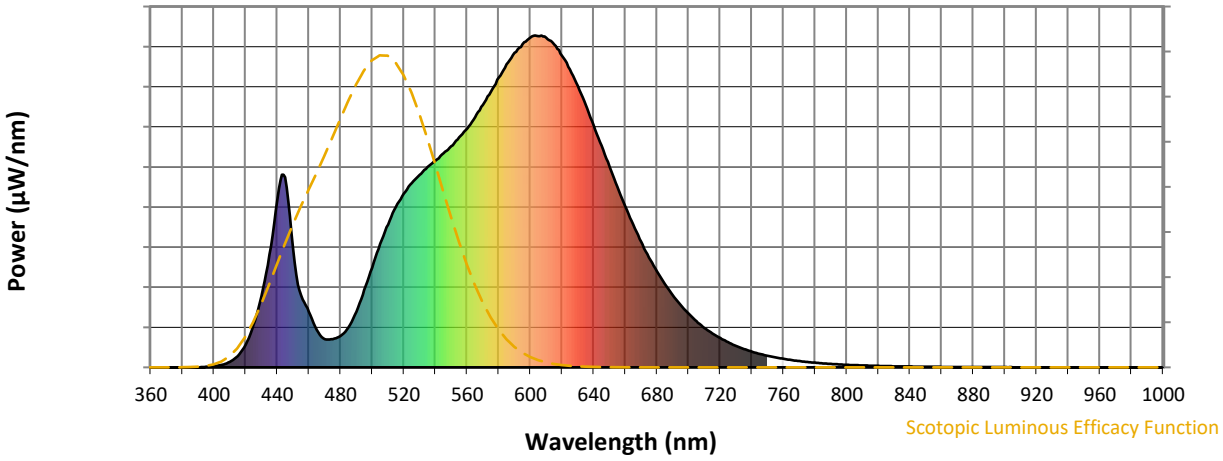
Scotopic Flux vs. Wavelength



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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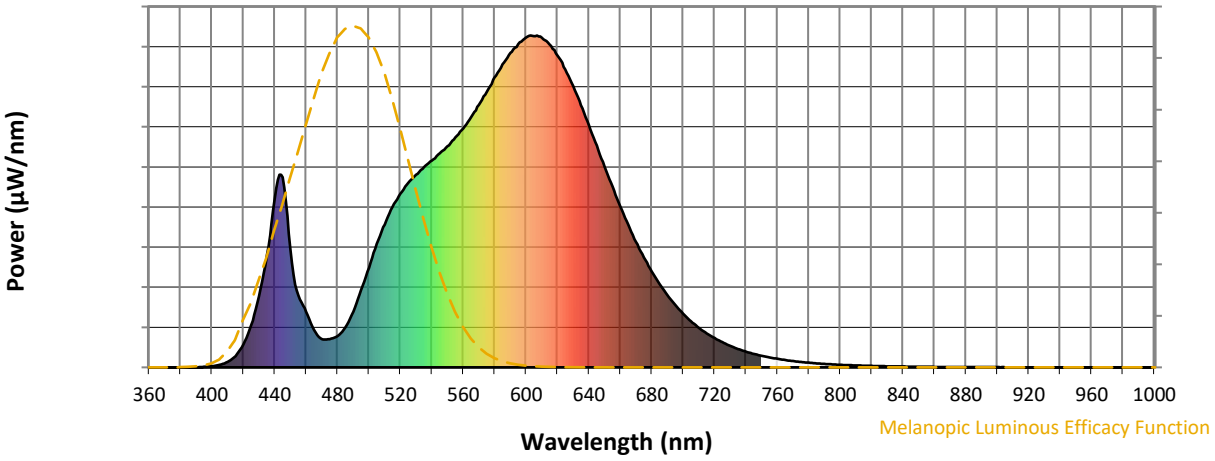
Melanopic Flux vs. Wavelength



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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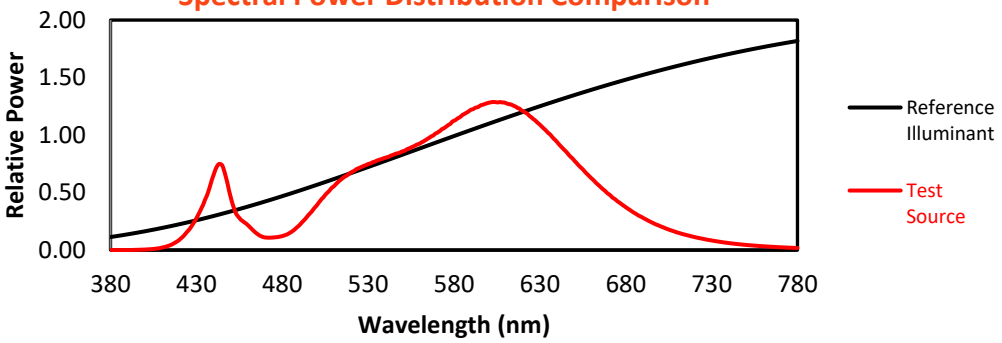
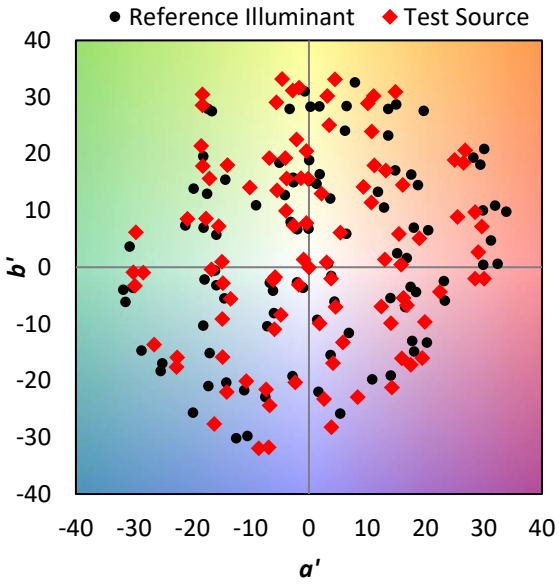
Summary

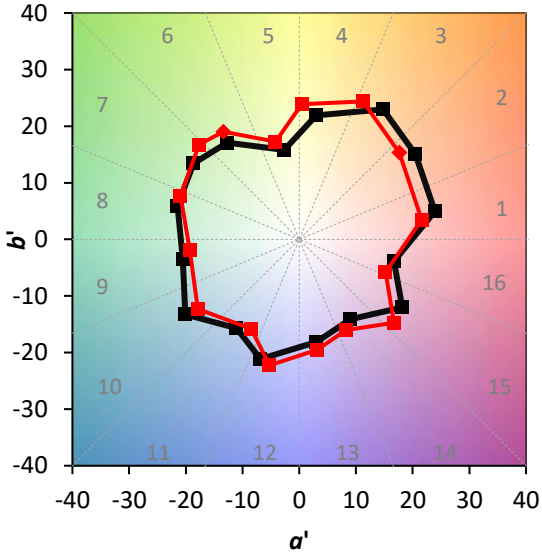
R_f = 81.5
R_g = 99.2
CIE R_a = 81.0
R_9 = 7.1

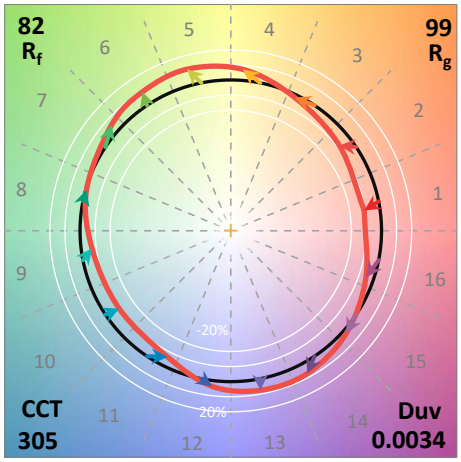
Spectral Power Distribution Comparison

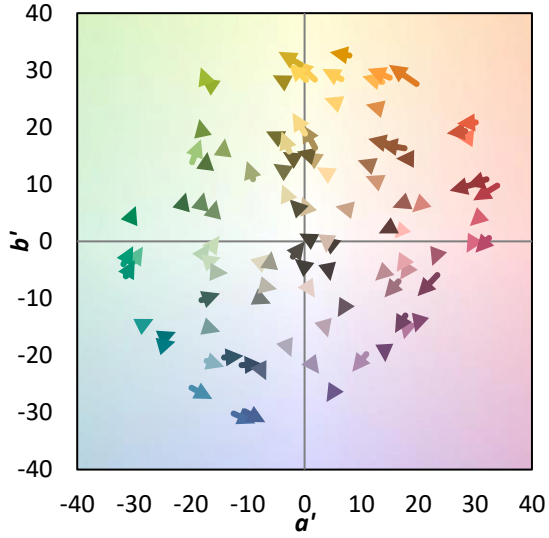


Color Vector Graphics









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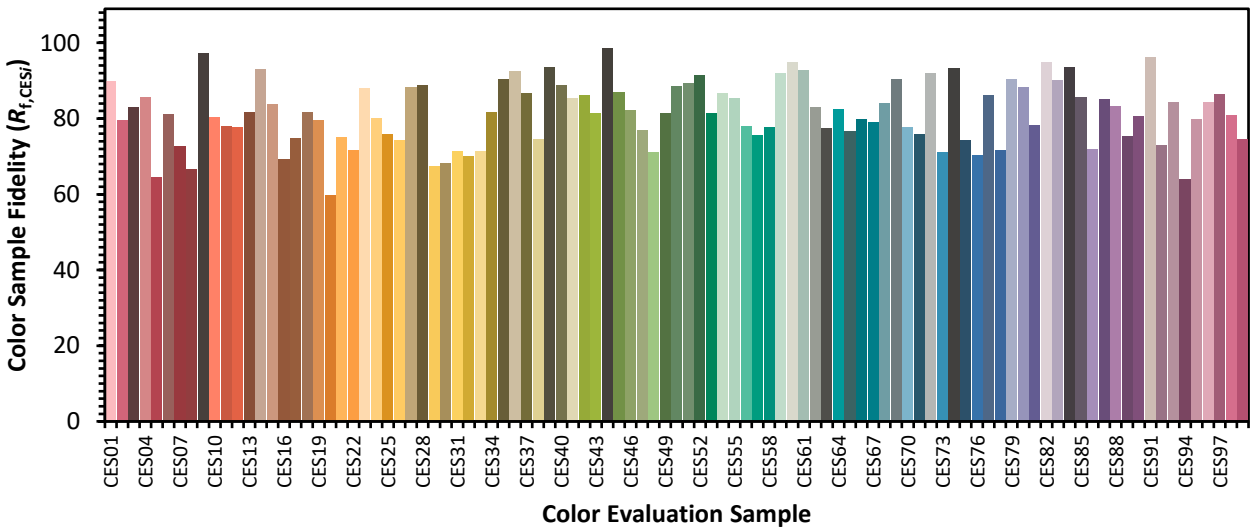
Individual Sample Fidelity Index ($R_{f,i}$)

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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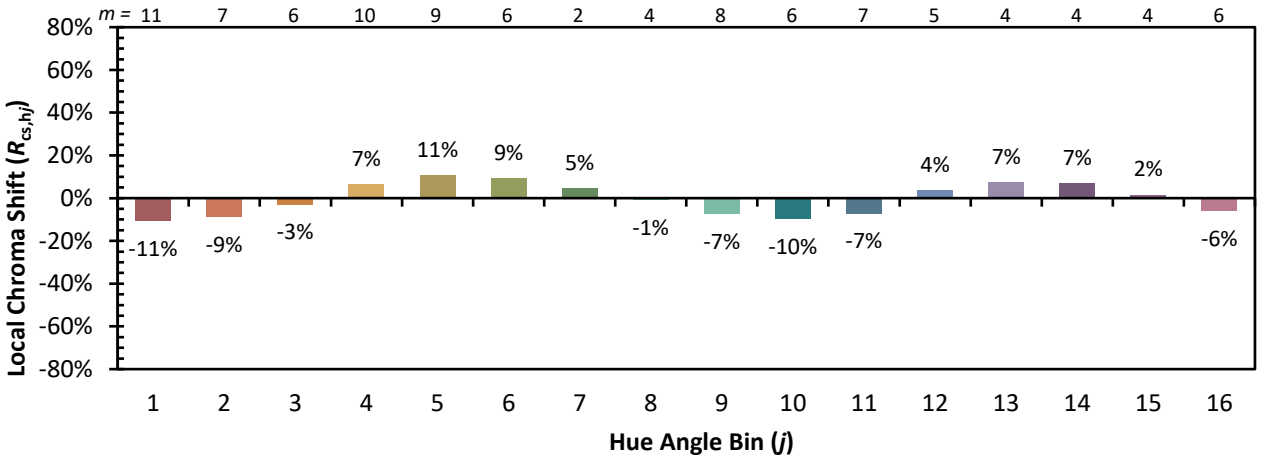
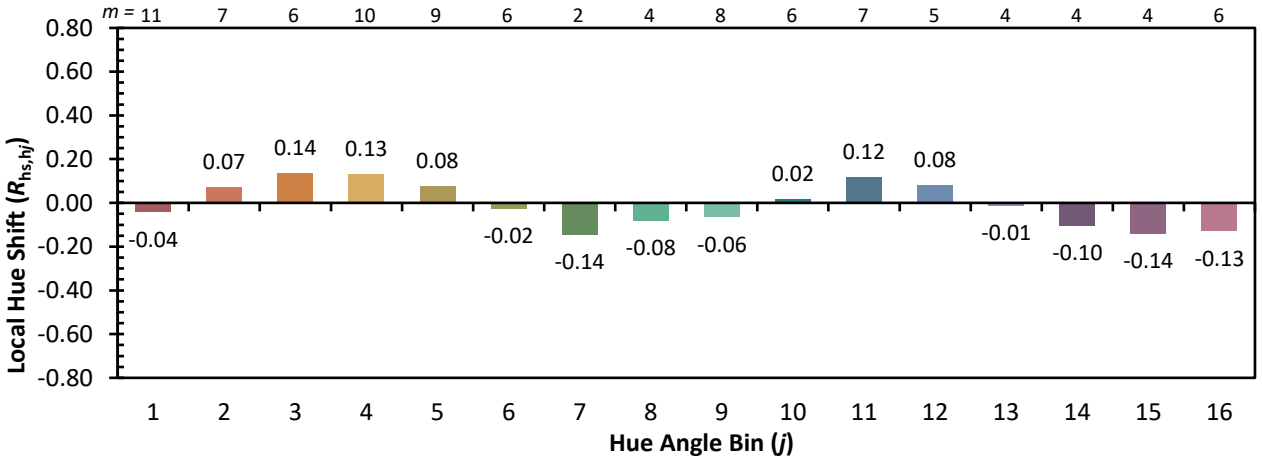
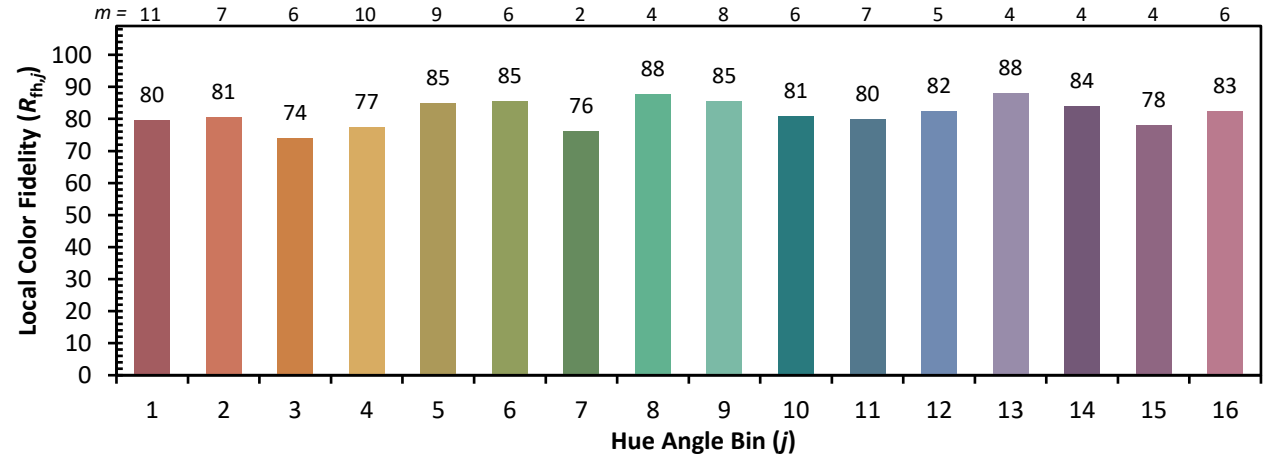
Color Rendition by Hue-Angle Bin







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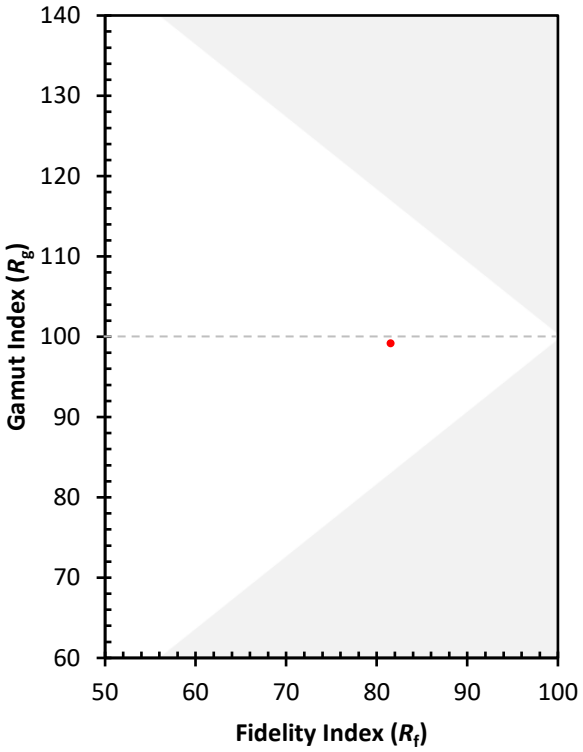
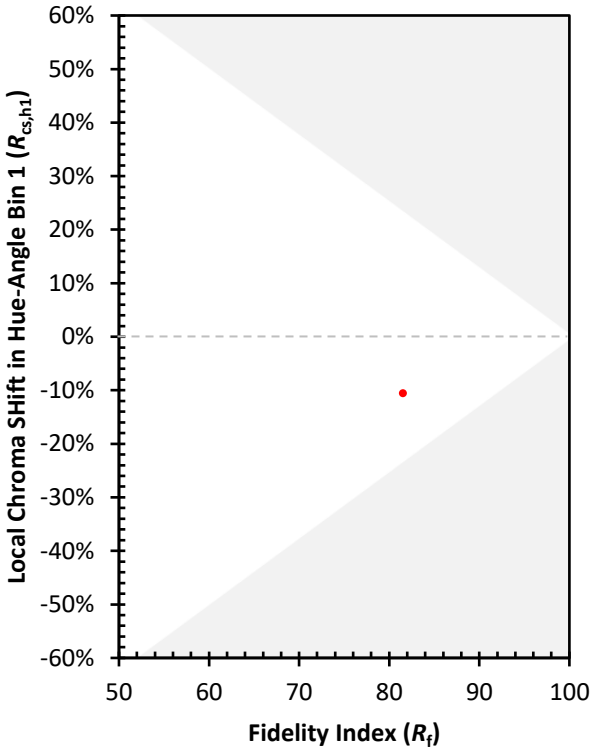
Measure Comparisons





(END OF REPORT)