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: P323060

Luminaire Tested: **GLEON-SA6D-830-U-T4W-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:	P323060
	TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-19)
Test Lab:	INNOVATION CENTER
Issue Date:	3/3/2020
Manufacturer:	COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line:	McGRAW-EDISON
Catalog Number:	GLEON-SA6D-830-U-T4W-HSS
Description:	GALLEON AREA AND ROADWAY LUMINAIRE
	(6) 80 CRI, 3000K, 1200mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE IV WIDE OPTICS WITH HOUSE SIDE SHIELD
Light Source:	-
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	26729 lumens
Efficiency:	N/A
Efficacy:	70.0 lumens/watt
Luminous Opening:	Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification:	Type IV - Short
BUG Rating:	B2 - U0 - G5

Input Watts (W):	382
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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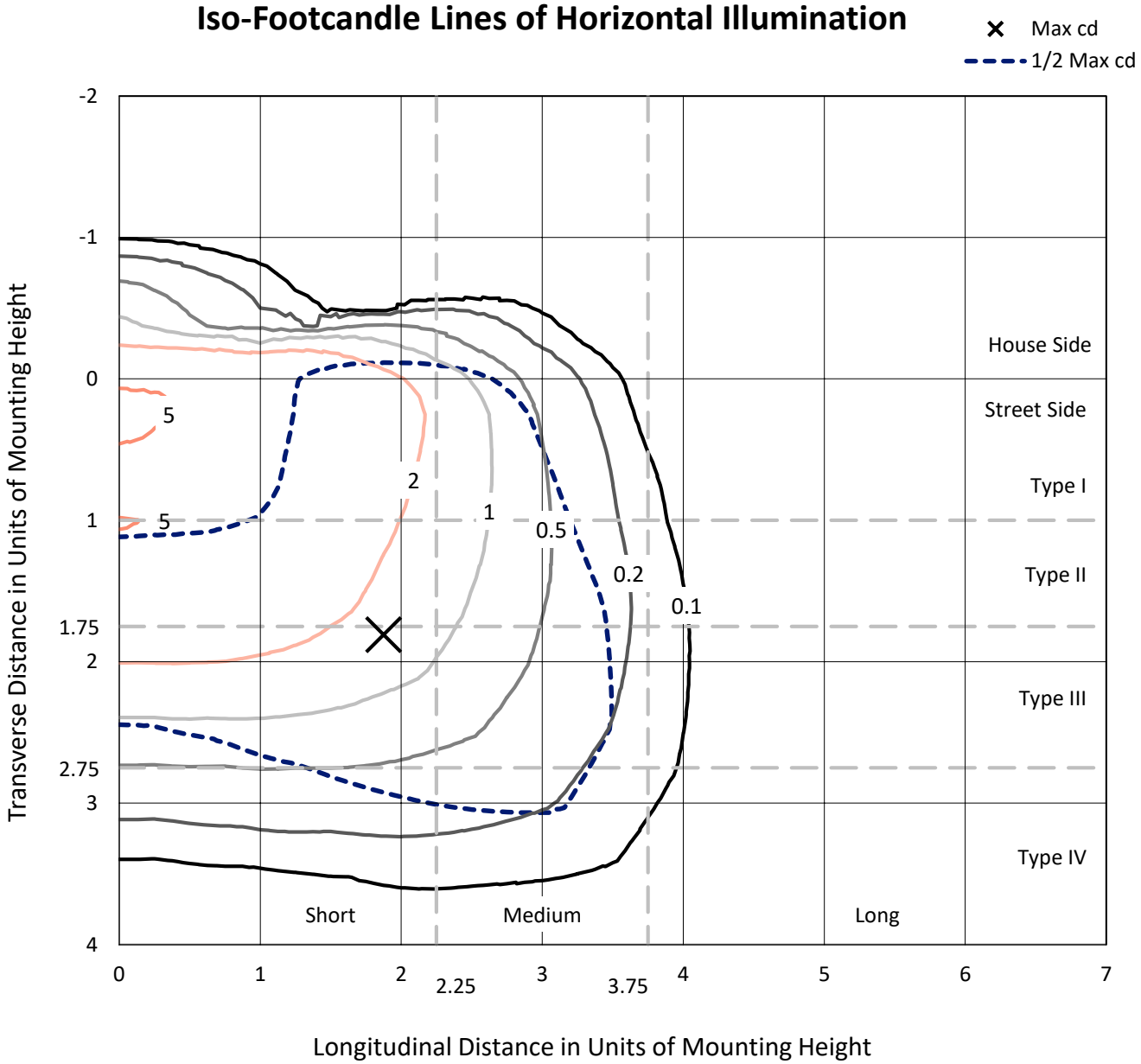
Scaled Data Report

REPORT NUMBER: P323060
CATALOG NUMBER: GLEON-SA6D-830-U-T4W-HSS

Iso-Footcandle Lines of Horizontal Illumination



Based on 25 foot mounting height. Maximum calculated value = 6.2 fc
Type IV - Short - N/A

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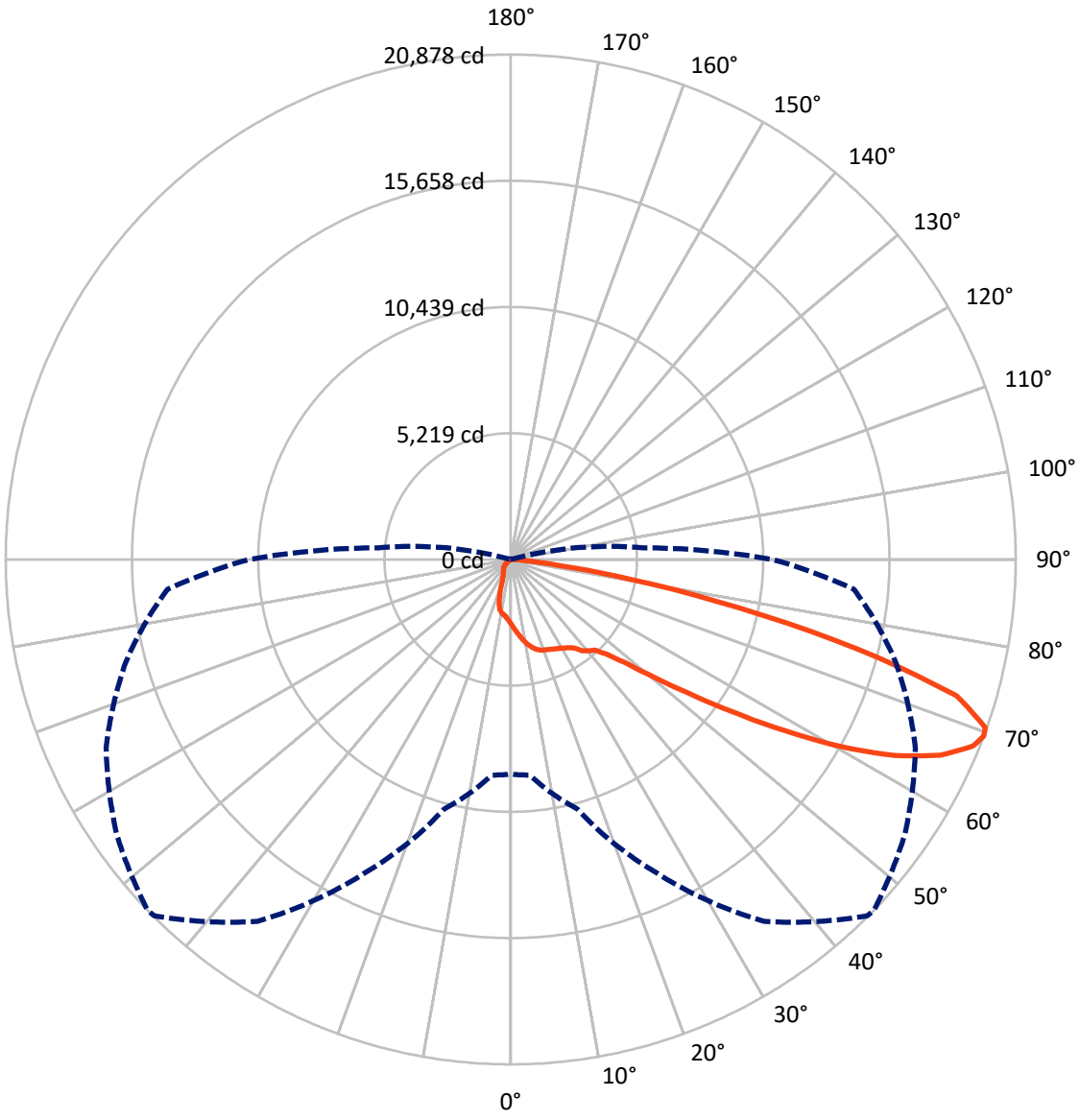
Luminous Intensity Polar Plot



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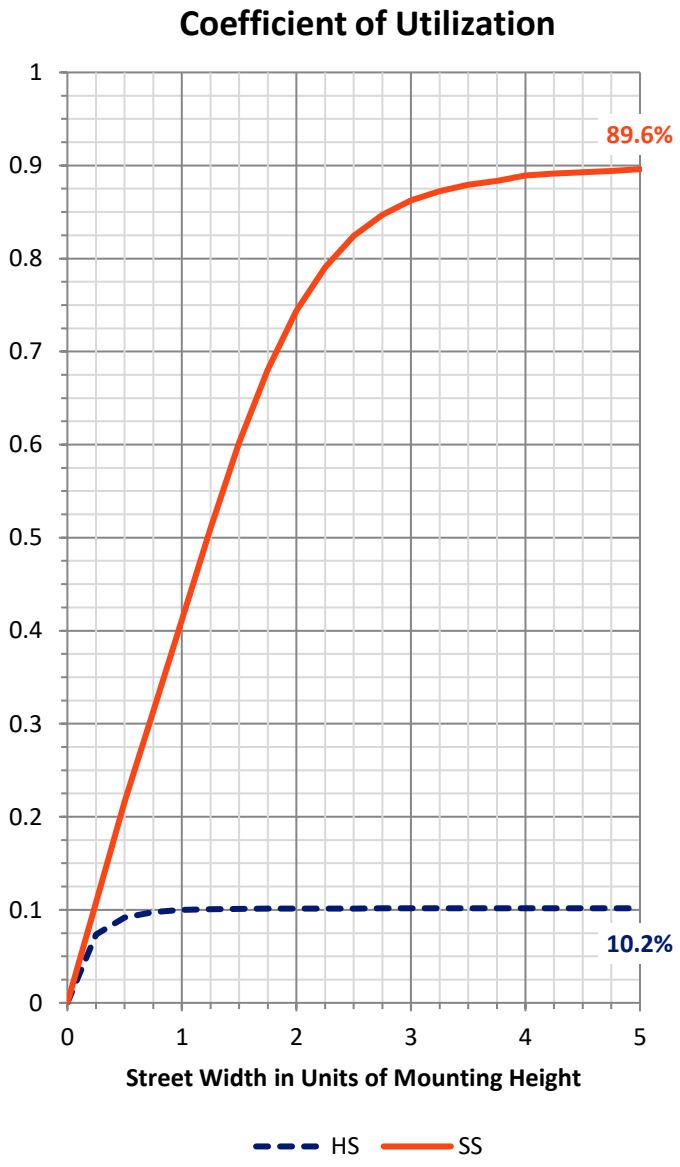
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2743.1	0.0	2743.1
	% Fixture	10.3	0.0	10.3
Street Side	Lumens	23985.9	0.0	23985.9
	% Fixture	89.7	0.0	89.7
Total	Lumens	26729.0	0.0	26729.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	266.6	1.0
10°-20°	808.7	3.0
20°-30°	1271.8	4.8
30°-40°	1823.8	6.8
40°-50°	3152.2	11.8
50°-60°	6227.5	23.3
60°-70°	8703.5	32.6
70°-80°	4204.7	15.7
80°-90°	270.3	1.0
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°	26729.0	100.0
0°-180°	26729.0	100.0



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REPORT NUMBER: P323060
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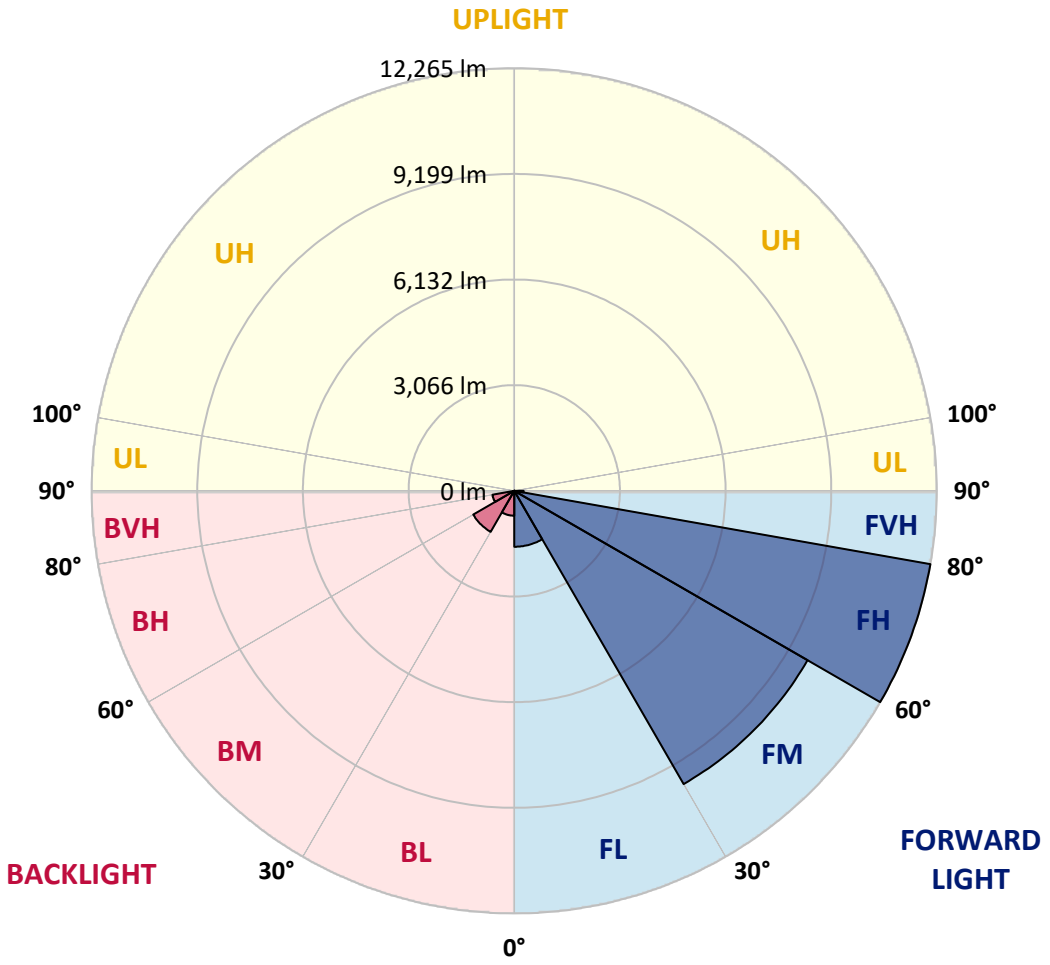
LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	1624.1	6.1			
FM	(30°-60°)	9828.8	36.8			
FH	(60°-80°)	12265.0	45.9			G5
FVH	(80°-90°)	268.0	1.0			G3/500
BL	(0°-30°)	723.0	2.7	B2/1000		
BM	(30°-60°)	1374.6	5.1	B2/2500		
BH	(60°-80°)	643.2	2.4	B2/1000		G2/1000
BVH	(80°-90°)	2.3	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: P323060
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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	46°	55°	65°	75°	85°
0°	2678.1	2678.1	2678.1	2678.1	2678.1	2678.1	*2678.1*	2678.1	2678.1	2678.1	2678.1
2.5°	2975.2	2971.4	2953.9	2946.3	2903.7	2878.7	*2868.6*	2837.3	2792.2	2747.1	2696.9
5°	3313.5	3312.3	3279.7	3248.4	3168.2	3093.0	*3079.2*	3006.5	2905.0	2809.7	2714.5
7.5°	3659.4	3643.1	3610.5	3550.4	3433.8	3313.5	*3302.3*	3199.5	3055.4	2917.5	2780.9
10°	3952.7	3942.7	3900.0	3808.6	3672.0	3535.4	*3521.6*	3395.0	3232.1	3062.9	2888.7
12.5°	4180.8	4173.2	4116.9	4002.8	3857.4	3715.8	*3697.0*	3584.2	3410.0	3220.8	3015.3
15°	4319.9	4316.1	4247.2	4125.6	3982.8	3859.9	*3843.6*	3744.6	3583.0	3385.0	3153.1
17.5°	4352.5	4353.7	4282.3	4159.5	4041.7	3953.9	*3941.4*	3866.2	3730.9	3534.1	3291.0
20°	4279.8	4294.8	4230.9	4124.4	4051.7	4005.3	*3995.3*	3950.2	3836.1	3650.6	3401.3
22.5°	4177.0	4184.5	4140.7	4069.2	4039.2	4047.9	*4042.9*	4017.8	3921.3	3750.9	3510.3
25°	4114.3	4114.3	4088.0	4027.9	4047.9	4101.8	*4103.1*	4098.1	4021.6	3873.7	3643.1
27.5°	4111.8	4104.3	4074.2	4029.1	4084.3	4167.0	*4172.0*	4205.8	4158.2	4022.9	3808.6
30°	4212.1	4203.3	4139.4	4080.5	4150.7	4239.7	*4252.2*	4326.1	4302.3	4184.5	3992.8
32.5°	4446.4	4415.1	4273.5	4177.0	4229.6	4336.2	*4352.5*	4470.3	4507.9	4383.8	4170.7
35°	4767.3	4668.3	4464.0	4360.0	4365.0	4476.5	*4491.6*	4664.5	4776.0	4566.8	4308.6
37.5°	5209.7	5160.8	4828.7	4550.5	4573.0	4742.2	*4786.1*	4974.1	4942.7	4667.0	4465.2
40°	6179.7	6103.2	5749.8	5084.3	4772.3	4957.8	*4971.6*	5071.8	5074.3	4893.9	4791.1
42.5°	7500.6	7469.2	7097.0	6053.1	5164.5	5101.9	*5127.0*	5296.1	5485.4	5372.6	5367.6
45°	8963.1	8946.8	8552.0	7338.9	5957.8	5574.4	*5605.7*	5832.5	6194.7	6219.8	6378.9
47.5°	10139.9	10132.3	9905.5	8773.8	7172.2	6375.2	*6385.2*	6625.8	7262.4	7577.0	7831.4
50°	11212.6	11249.0	11069.8	10326.6	8826.5	7629.6	*7605.8*	7766.2	8788.9	9304.0	9619.8
52.5°	12704.0	12755.3	12252.8	11775.3	10562.2	9186.2	*9167.4*	9335.3	10623.6	11009.6	11066.0
55°	14021.1	13933.4	13536.1	13398.2	12678.9	11108.6	*11103.6*	11251.5	12398.2	12562.3	12666.4
57.5°	14602.6	14568.8	14760.5	15076.3	14895.9	13380.7	*13369.4*	13256.6	13986.0	14003.6	14323.1
60°	14969.8	15011.2	15598.9	16572.7	17022.6	15825.7	*15753.1*	15065.0	15502.4	15463.6	15805.7
62.5°	14694.1	14775.5	15833.3	17456.2	18614.2	17960.0	*17857.2*	16721.8	16798.3	16664.2	16982.5
65°	13230.3	13356.9	15090.1	17289.5	19403.7	19628.0	*19524.0*	18184.3	17827.2	17606.6	17429.9
67.5°	10742.7	10817.9	12627.5	15839.5	19047.8	20623.1	*20601.8*	19466.4	18604.2	17447.4	16076.4
69°	*8877.9*	*8951.8*	*10693.8*	*14313.1*	*18264.5*	*20836.2*	*20877.5*	*19877.4*	*18456.3*	*16479.9*	*14244.2*
70°	7519.4	7598.3	9221.2	13004.7	17355.9	20737.1	*20811.1*	19838.6	18032.7	15359.5	12636.3
72.5°	3943.9	4011.6	5677.1	8959.3	14148.9	19041.5	*19265.9*	18161.8	15285.6	11155.0	7471.7
75°	1239.4	1278.3	2217.0	4683.3	9687.4	14805.6	*14857.0*	14246.7	10854.2	6135.8	3111.8
77.5°	472.5	461.2	738.2	1725.7	4897.6	9322.8	*9637.3*	8902.9	5695.9	2169.3	718.1
80°	254.4	255.7	383.5	714.3	2095.4	4791.1	*5056.8*	4314.9	2024.0	676.7	165.4
82.5°	110.3	115.3	215.6	378.5	962.5	1767.0	*1899.9*	1581.6	773.2	454.9	61.4
85°	23.8	26.3	104.0	205.5	392.3	496.3	*520.1*	512.6	492.5	353.4	23.8
87.5°	0.0	0.0	46.4	73.9	99.0	112.8	*99.0*	129.1	272.0	238.1	12.5
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: P323060
CATALOG NUMBER: GLEON-SA6D-830-U-T4W-HSS

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	2678.1	2678.1	2678.1	2678.1	2678.1	2678.1	2678.1	2678.1	2678.1	2678.1	2678.1
2.5°	2680.7	2658.1	2619.2	2576.6	2546.6	2515.2	2490.2	2478.9	2466.4	2457.6	2468.9
5°	2675.6	2631.8	2556.6	2483.9	2431.3	2388.7	2353.6	2339.8	2326.0	2316.0	2314.7
7.5°	2719.5	2658.1	2542.8	2436.3	2354.8	2297.2	2249.5	2229.5	2213.2	2205.7	2199.4
10°	2803.5	2724.5	2570.4	2431.3	2326.0	2228.2	2125.5	2046.5	1995.1	1971.3	1962.6
12.5°	2912.5	2813.5	2623.0	2457.6	2304.7	2116.7	1898.6	1710.7	1589.1	1549.0	1525.2
15°	3040.3	2917.5	2691.9	2491.4	2227.0	1883.6	1513.9	1268.3	1155.5	1132.9	1107.9
17.5°	3163.1	3027.8	2774.6	2497.7	2056.5	1505.1	1109.1	942.4	898.6	913.6	917.4
20°	3270.9	3136.8	2856.1	2442.5	1747.0	1129.2	858.5	817.1	833.4	862.2	867.2
22.5°	3380.0	3242.1	2931.3	2297.2	1351.0	857.2	773.2	783.3	799.6	828.4	833.4
25°	3512.8	3369.9	3001.5	2030.2	1013.9	729.4	734.4	749.4	765.7	792.0	794.5
27.5°	3665.7	3531.6	3047.8	1683.1	751.9	670.5	686.8	709.3	725.6	750.7	755.7
30°	3868.7	3744.6	3062.9	1323.4	630.4	617.8	625.4	652.9	676.7	699.3	703.1
32.5°	4059.2	3955.2	3012.8	998.8	584.0	569.0	569.0	585.3	612.8	634.1	639.1
35°	4234.7	4167.0	2852.3	730.6	548.9	523.8	511.3	511.3	528.9	546.4	551.4
37.5°	4466.5	4464.0	2592.9	582.8	515.1	486.3	459.9	439.9	433.6	437.4	439.9
40°	4863.8	4867.5	2254.6	522.6	486.3	447.4	407.3	371.0	337.1	325.8	324.6
42.5°	5484.1	5427.7	1899.9	493.8	461.2	407.3	347.1	298.3	245.6	229.3	228.1
45°	6469.2	6134.5	1523.9	467.5	434.9	362.2	287.0	220.6	178.0	165.4	165.4
47.5°	7904.1	7063.2	1180.5	438.6	399.8	310.8	216.8	159.2	130.3	124.1	125.3
50°	9387.9	7973.0	904.8	402.3	357.2	256.9	160.4	115.3	99.0	99.0	100.3
52.5°	10703.8	8639.7	705.6	363.4	304.5	201.8	121.6	90.2	82.7	81.5	82.7
55°	11935.7	9069.6	540.1	318.3	241.9	150.4	92.7	73.9	68.9	66.4	65.2
57.5°	13123.8	9282.7	404.8	256.9	175.5	109.0	73.9	62.7	57.6	53.9	52.6
60°	13914.6	9109.7	278.2	189.2	121.6	79.0	61.4	53.9	47.6	43.9	42.6
62.5°	14360.7	8637.2	179.2	136.6	86.5	58.9	48.9	45.1	36.3	32.6	32.6
65°	14180.3	7857.7	125.3	97.8	62.7	43.9	36.3	36.3	26.3	21.3	20.1
67.5°	12566.1	6638.3	95.2	72.7	45.1	32.6	27.6	31.3	16.3	10.0	10.0
69°	*10811.6*	*5501.7*	*81.5*	*60.2*	*37.6*	*26.3*	*23.8*	*28.8*	*11.3*	*7.5*	*6.3*
70°	9396.7	4746.0	73.9	52.6	31.3	22.6	21.3	27.6	11.3	6.3	5.0
72.5°	5622.0	2646.8	56.4	37.6	20.1	17.5	17.5	31.3	11.3	6.3	5.0
75°	2272.1	932.4	41.4	26.3	15.0	15.0	21.3	40.1	10.0	5.0	3.8
77.5°	515.1	204.3	23.8	16.3	10.0	15.0	25.1	31.3	6.3	2.5	0.0
80°	125.3	50.1	15.0	10.0	6.3	11.3	18.8	17.5	1.3	0.0	0.0
82.5°	41.4	17.5	6.3	5.0	1.3	3.8	8.8	5.0	0.0	0.0	0.0
85°	17.5	10.0	2.5	1.3	0.0	0.0	1.3	0.0	0.0	0.0	0.0
87.5°	11.3	3.8	0.0	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

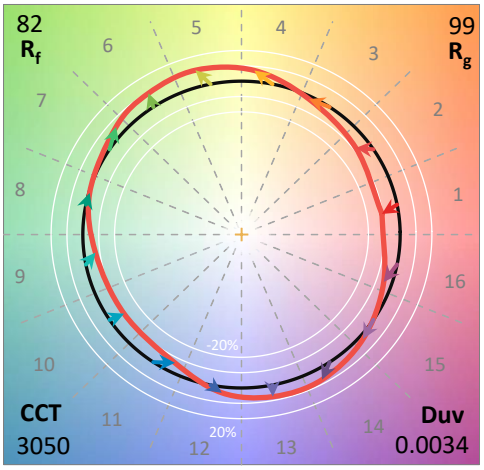
Test Information

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

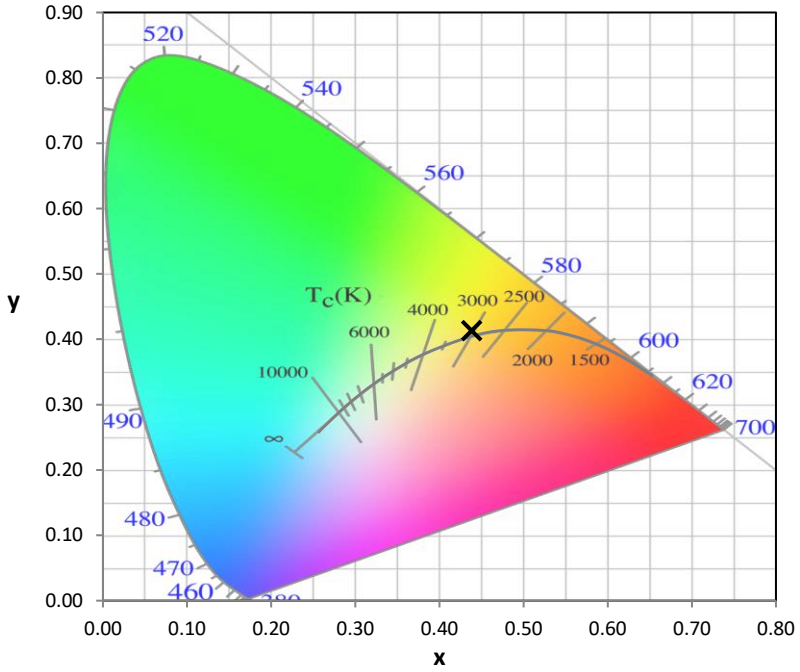
Stabilization Time:	20M
Operation Time:	1H 20M
Sphere Temperature (°C):	24.2

REPORT NUMBER: SP1-2408-195-9

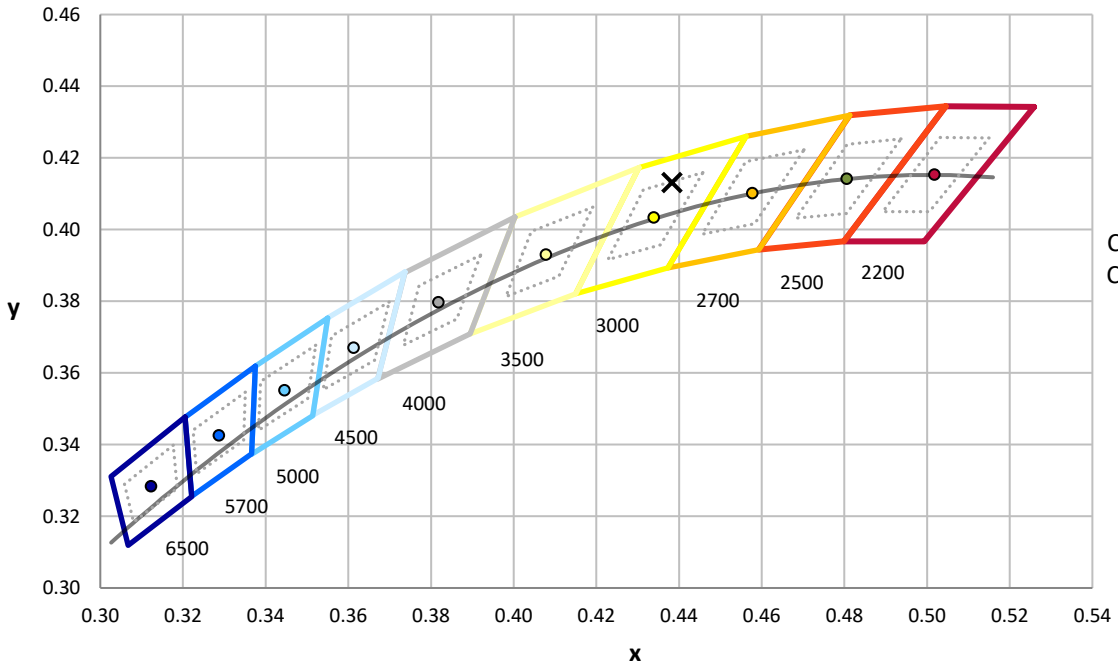
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

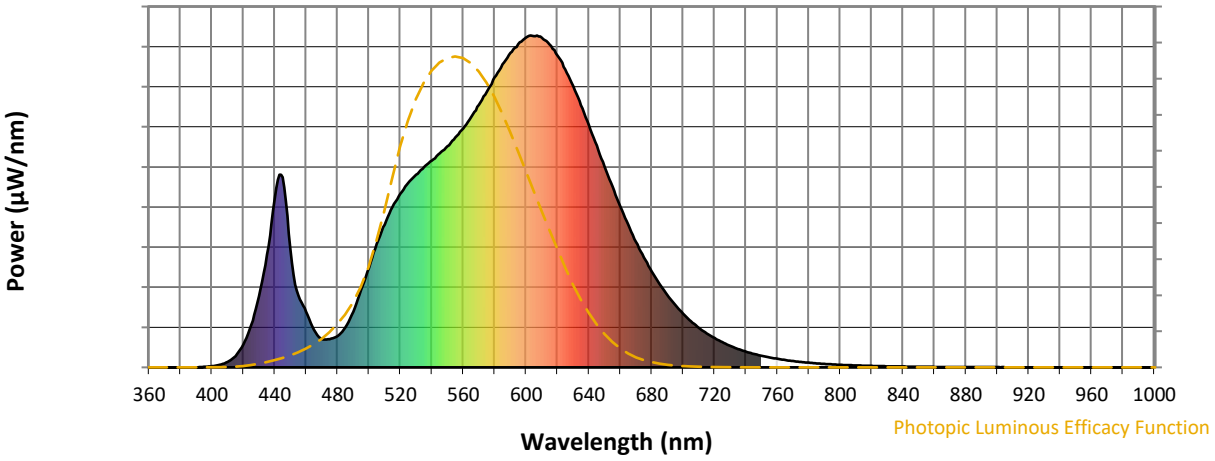


CCT = 3050K
CIE x = 0.4383
CIE y = 0.4131
Duv = 0.0034

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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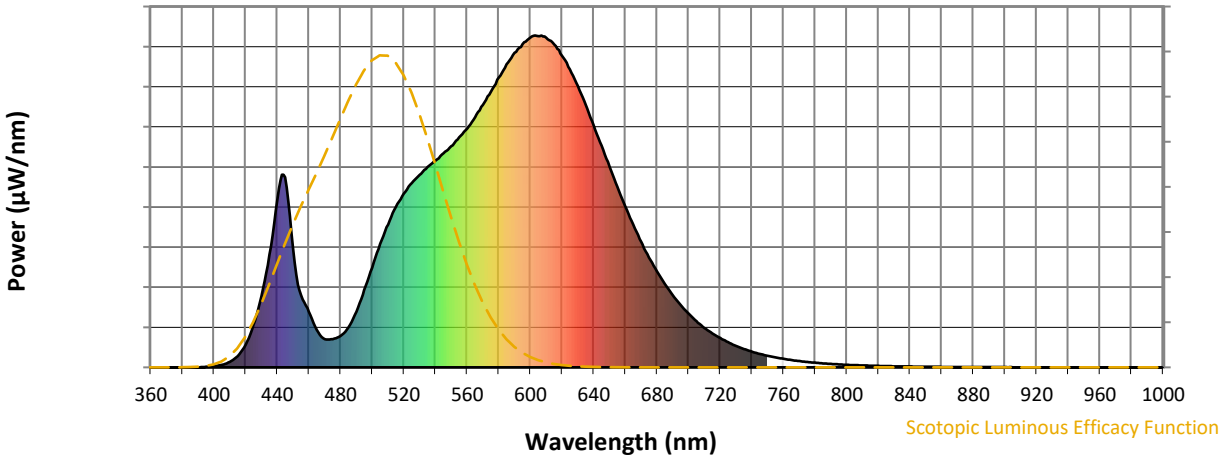
Scotopic Flux vs. Wavelength



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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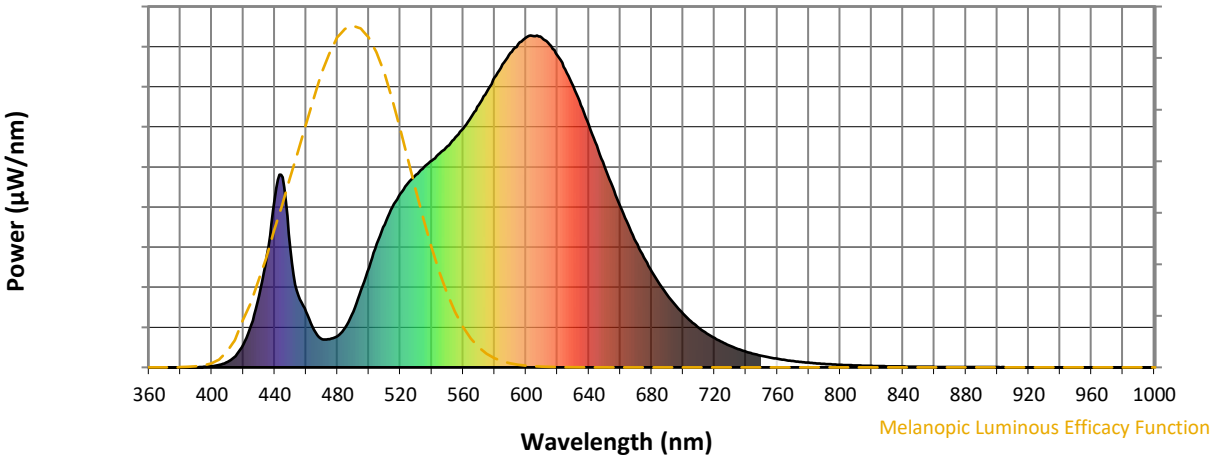
Melanopic Flux vs. Wavelength



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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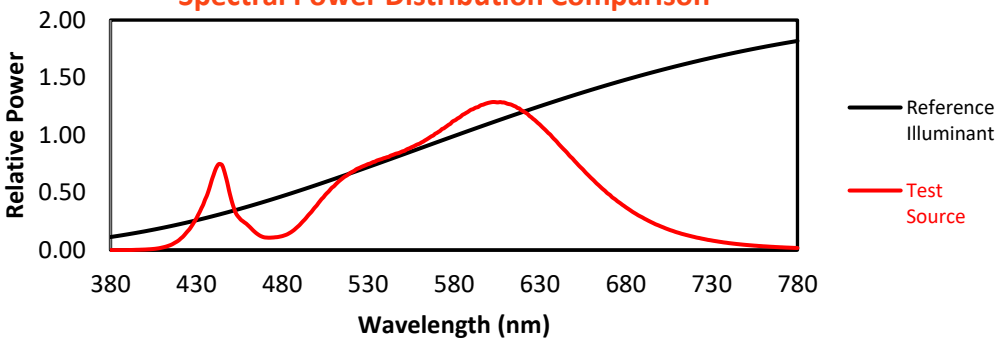
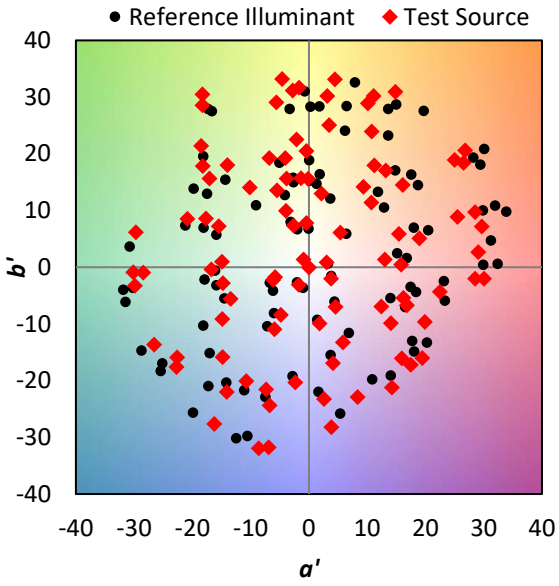
Summary

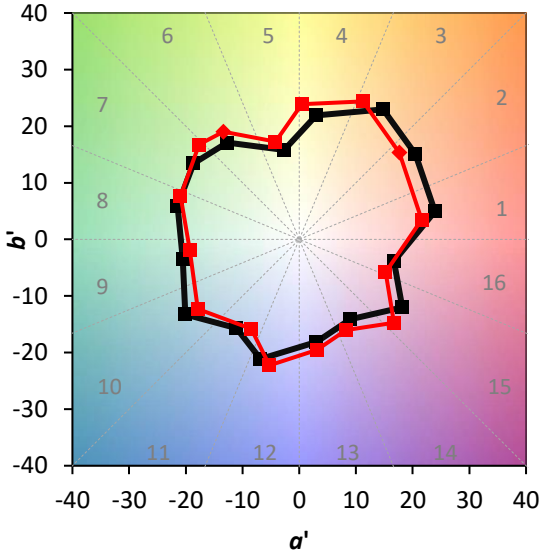
R_f = 81.5
R_g = 99.2
CIE R_a = 81.0
R_9 = 7.1

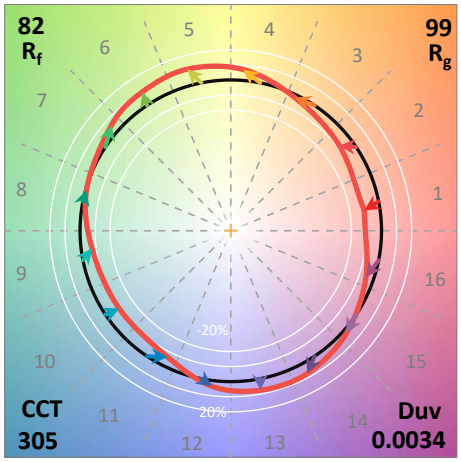
Spectral Power Distribution Comparison

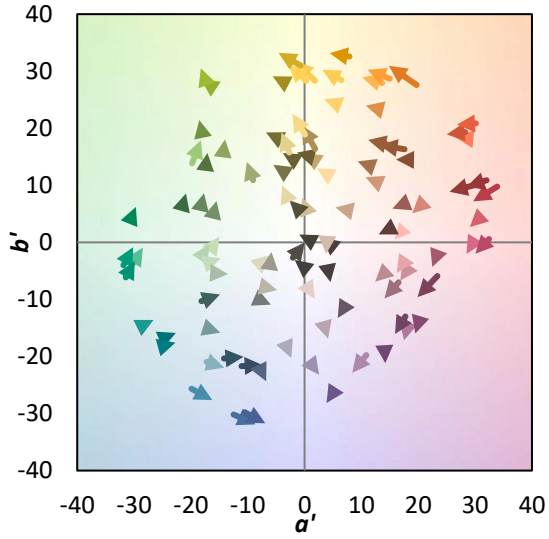


Color Vector Graphics









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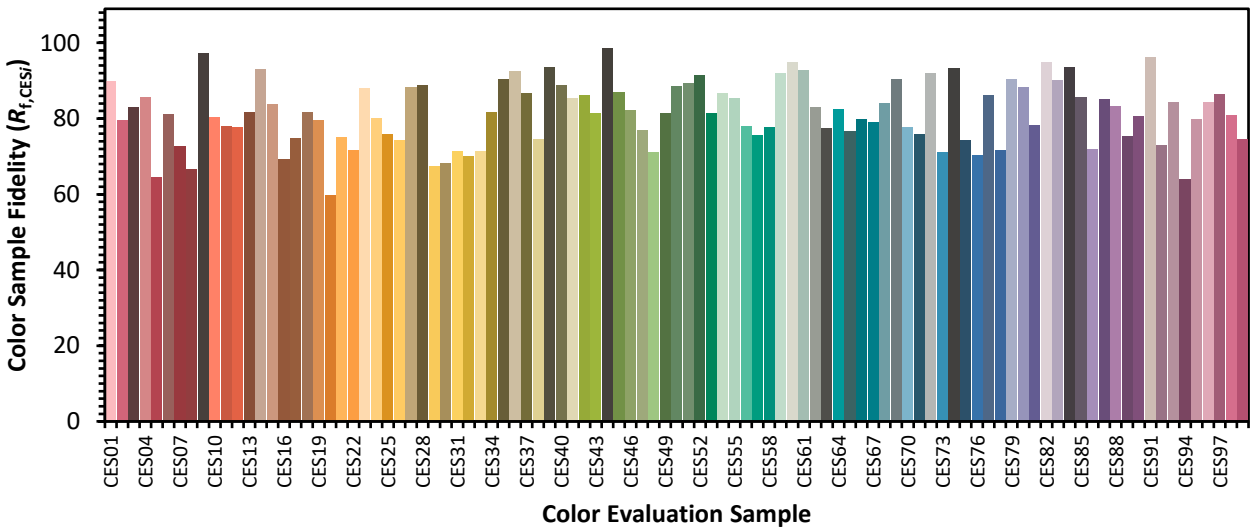
Individual Sample Fidelity Index ($R_{f,i}$)

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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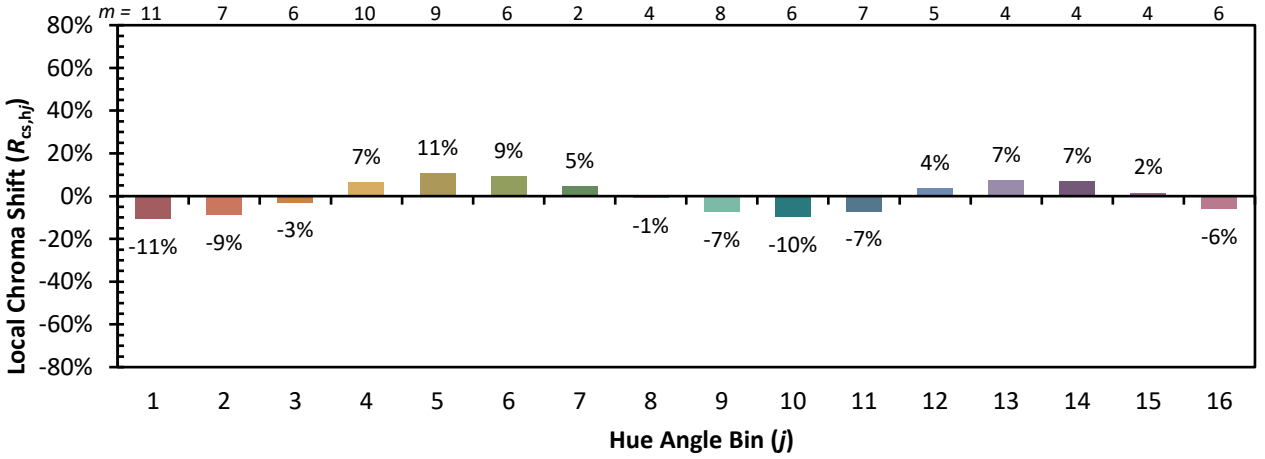
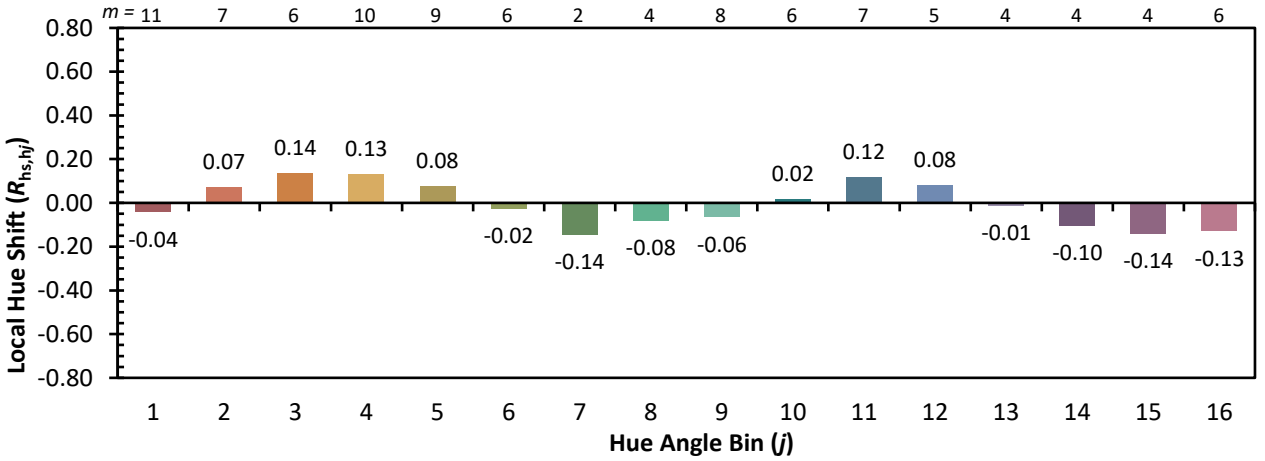
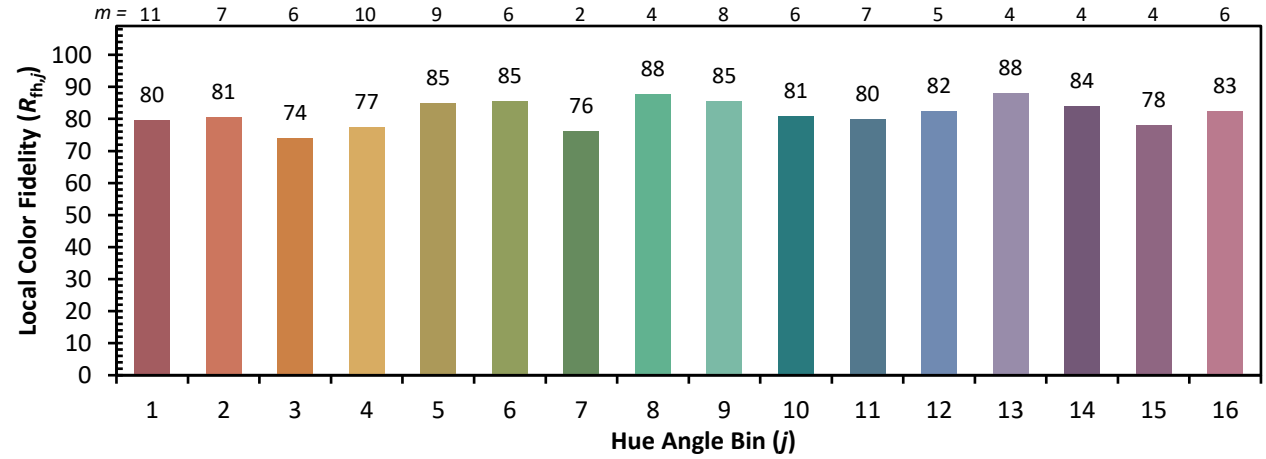
Color Rendition by Hue-Angle Bin







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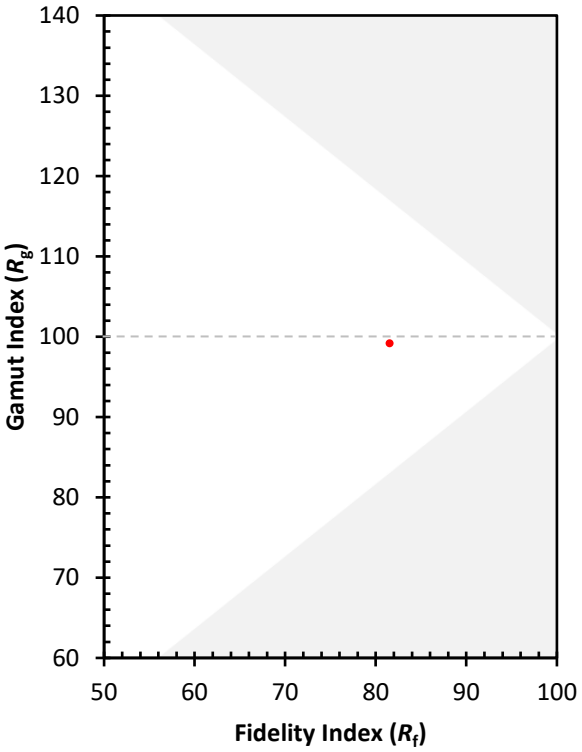
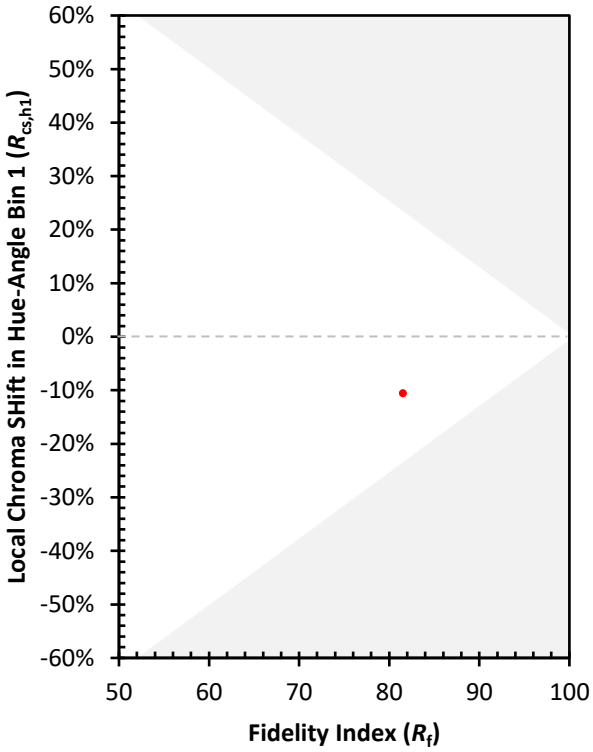
Measure Comparisons





(END OF REPORT)