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: P322084

Luminaire Tested: **GLEON-SA0B-830-U-T2-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:	P322084
	TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-13)
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-T2-HSS
Description:	GALLEON AREA AND ROADWAY LUMINAIRE
	(10) 80 CRI, 3000K, 800mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II OPTICS WITH HOUSE SIDE SHIELD
Light Source:	-
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	31975 lumens
Efficiency:	N/A
Efficacy:	76.3 lumens/watt
Luminous Opening:	Rectangular (W 2.5' x L: 1' x H: 0')
IES Classification:	Type II - Medium
BUG Rating:	B2 - U0 - G4

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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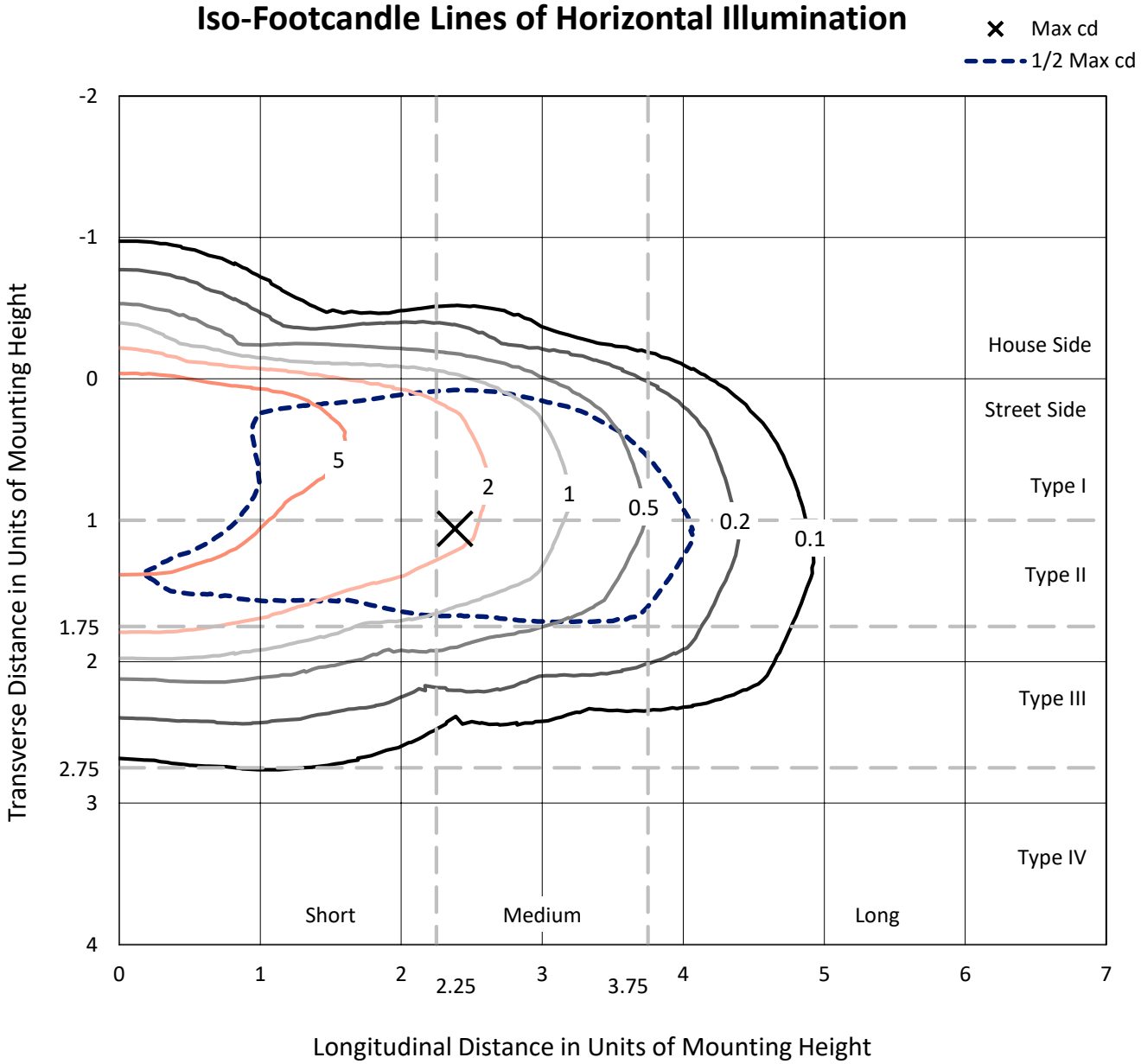
Scaled Data Report

REPORT NUMBER: P322084
CATALOG NUMBER: GLEON-SA0B-830-U-T2-HSS

Iso-Footcandle Lines of Horizontal Illumination



Based on 25 foot mounting height. Maximum calculated value = 9.6 fc
Type II - Medium - N/A

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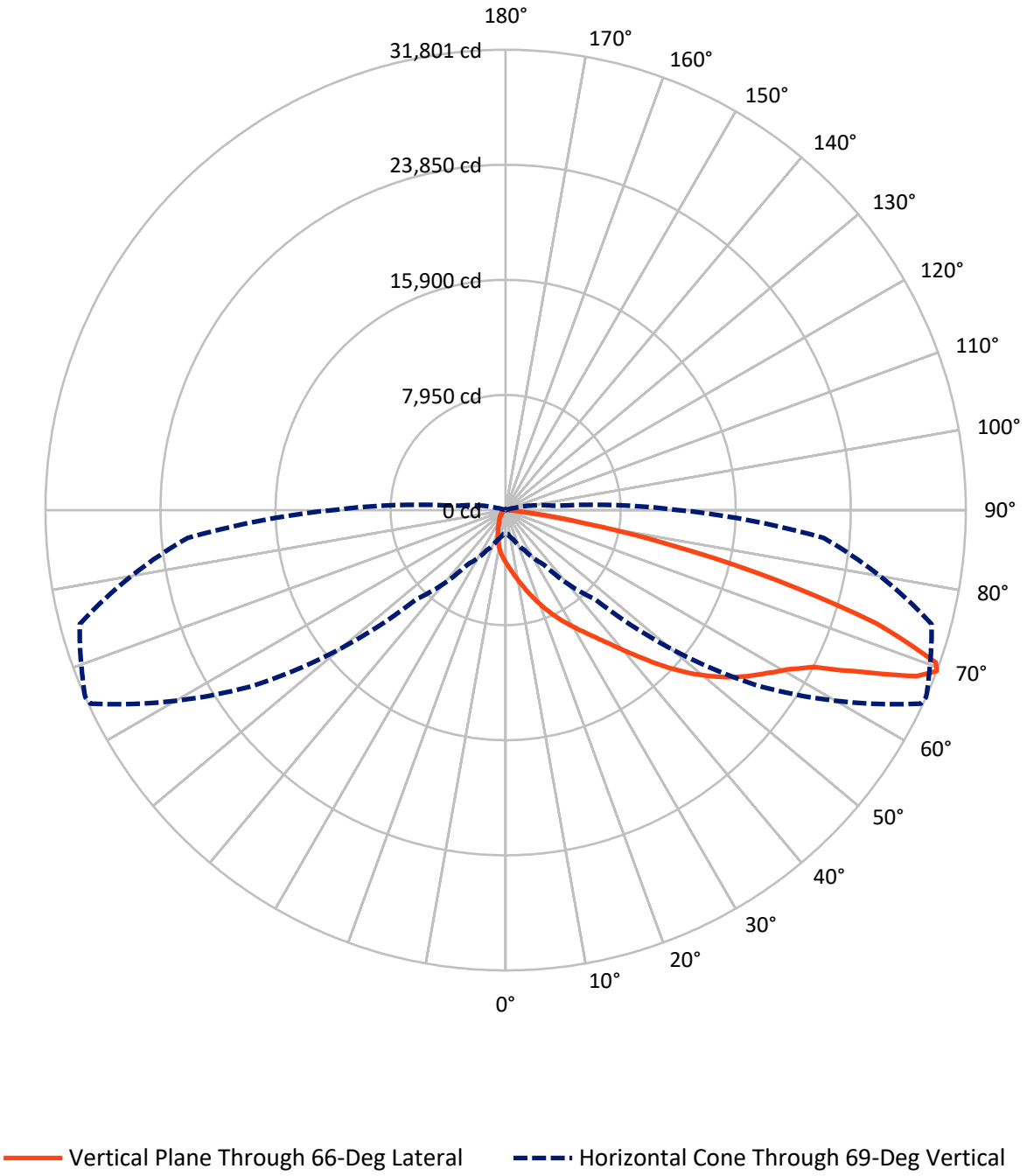
Luminous Intensity Polar Plot



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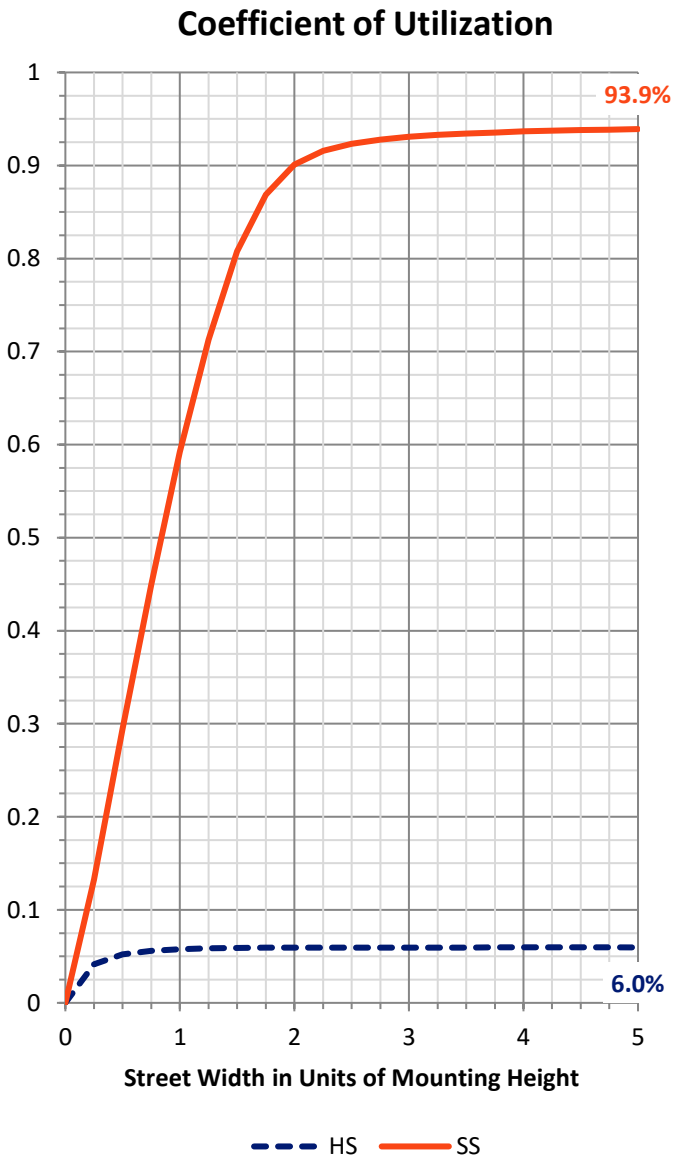
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1918.0	0.0	1918.0
	% Fixture	6.0	0.0	6.0
Street Side	Lumens	30056.9	0.0	30056.9
	% Fixture	94.0	0.0	94.0
Total	Lumens	31975.0	0.0	31975.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	351.7	1.1
10°-20°	1046.9	3.3
20°-30°	1823.0	5.7
30°-40°	3198.4	10.0
40°-50°	5353.6	16.7
50°-60°	7869.3	24.6
60°-70°	8079.7	25.3
70°-80°	3988.7	12.5
80°-90°	263.7	0.8
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°	31975.0	100.0
0°-180°	31975.0	100.0



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REPORT NUMBER: P322084
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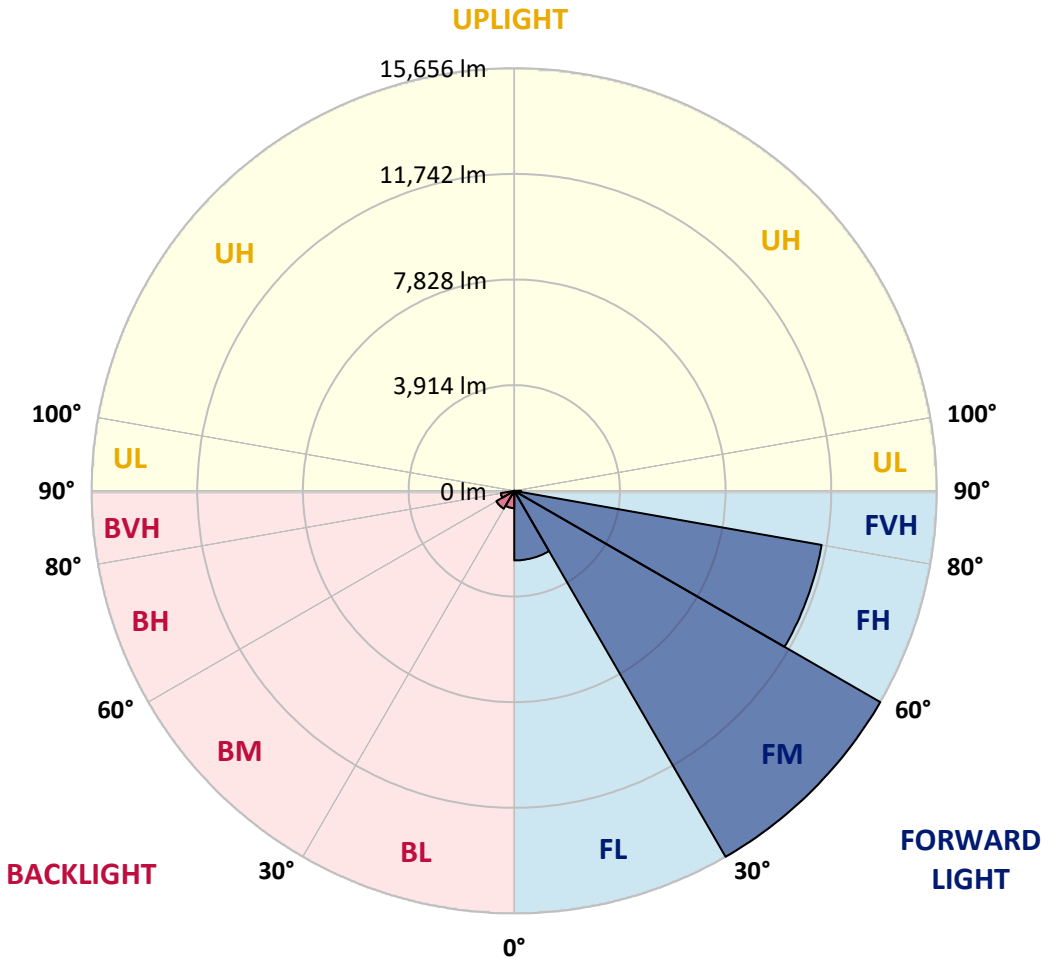
LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	2580.1	8.1			
FM	(30°-60°)	15656.5	49.0			
FH	(60°-80°)	11563.0	36.2			G4/12000
FVH	(80°-90°)	257.4	0.8			G3/500
BL	(0°-30°)	641.5	2.0	B2/1000		
BM	(30°-60°)	764.7	2.4	B1/1000		
BH	(60°-80°)	505.5	1.6	B2/1000		G2/1000
BVH	(80°-90°)	6.4	0.0			G0/10
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G4
Type II Medium



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REPORT NUMBER: P322084
CATALOG NUMBER: GLEON-SA0B-830-U-T2-HSS

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	66°	75°	85°
0°	3638.9	3638.9	3638.9	3638.9	3638.9	3638.9	3638.9	3638.9	*3638.9*	3638.9	3638.9
2.5°	4282.8	4264.6	4257.0	4223.6	4165.9	4121.8	4036.8	3938.0	*3919.8*	3824.1	3707.2
5°	4838.6	4823.5	4812.8	4765.7	4706.5	4595.7	4440.7	4257.0	*4222.0*	4039.8	3805.9
7.5°	5225.9	5253.3	5253.3	5222.9	5148.5	5064.9	4875.1	4624.5	*4580.5*	4301.0	3938.0
10°	5452.2	5485.6	5511.4	5537.3	5526.6	5493.2	5314.0	5031.5	*4978.4*	4607.8	4091.4
12.5°	5473.5	5506.9	5579.8	5687.6	5792.4	5868.3	5756.0	5482.6	*5421.8*	4963.2	4273.7
15°	5355.0	5389.9	5502.3	5711.9	5965.5	6187.3	6223.7	5982.2	*5920.0*	5386.9	4501.5
17.5°	5148.5	5171.2	5332.2	5622.3	6020.2	6427.2	6647.4	6518.4	*6460.6*	5871.4	4755.1
20°	4995.1	5011.8	5153.0	5464.4	5986.8	6577.6	7048.4	7087.9	*7027.1*	6390.8	5030.0
22.5°	5257.8	5288.2	5292.7	5440.1	5895.7	6652.0	7400.7	7648.3	*7602.7*	6942.1	5300.3
25°	5976.2	6011.1	5895.7	5804.6	5973.1	6685.4	7703.0	8222.4	*8185.9*	7535.9	5572.2
27.5°	6925.4	6961.8	6813.0	6541.1	6378.6	6811.5	7971.8	8805.5	*8804.0*	8164.6	5865.3
30°	7857.9	7894.3	7742.4	7470.6	7097.0	7168.4	8204.1	9416.1	*9425.2*	8813.1	6176.6
32.5°	8835.9	8881.5	8725.1	8375.8	7985.4	7785.0	8530.7	10029.6	*10081.3*	9564.9	6527.5
35°	9947.6	9953.7	9733.5	9367.5	8917.9	8609.6	9054.6	10717.6	*10840.6*	10495.9	6972.5
37.5°	11038.1	11082.1	10901.4	10324.3	9911.2	9561.9	9833.7	11577.2	*11751.9*	11633.4	7554.1
40°	11846.0	11938.7	11912.9	11290.2	10898.3	10649.3	10801.2	12599.3	*12821.1*	12957.7	8287.7
42.5°	12353.3	12423.1	12541.6	12166.5	11811.1	11852.1	11943.2	13790.0	*14063.4*	14467.3	9130.6
45°	12935.0	12968.4	13067.1	12901.5	12661.6	13074.7	13155.2	15131.0	*15418.1*	16090.9	10066.1
47.5°	13645.7	13724.7	13752.0	13600.2	13490.8	14156.0	14323.1	16350.6	*16753.0*	17829.8	11056.3
50°	14550.9	14572.1	14619.2	14520.5	14411.2	15085.5	15371.0	17630.8	*17996.9*	19574.8	12032.8
52.5°	15436.3	15512.2	15676.2	15614.0	15569.9	15876.7	16305.0	18785.1	*19193.6*	21029.7	13007.9
55°	15691.4	15756.7	16323.2	16710.5	17068.9	16851.7	17198.0	19819.3	*20261.3*	22329.8	13946.4
57.5°	14672.4	14804.5	15785.6	16794.0	18280.9	18367.4	18425.1	20880.9	*21277.3*	23326.0	14923.0
60°	12096.6	12122.4	13732.3	15462.1	18080.4	19690.2	20217.2	22021.5	*22354.1*	24254.0	16092.4
62.5°	7693.8	7956.6	9722.9	12165.0	15960.2	19498.9	22384.4	23746.7	*23868.2*	25367.2	17769.0
65°	3664.7	3834.8	5107.5	7516.2	11560.5	17049.2	23880.4	26867.7	*26922.4*	27573.9	20009.2
67.5°	2029.0	2111.0	2717.0	4045.9	6758.3	12057.1	23275.9	30564.3	*30615.9*	29827.7	21974.4
69°	*1587.1*	*1656.9*	*2133.8*	*3049.6*	*4582.0*	*8665.8*	*21063.2*	*31647.1*	*31800.5*	*30473.2*	*22044.2*
70°	1347.1	1415.4	1837.7	2575.8	3684.4	6696.0	18748.6	31378.3	*31540.8*	30412.4	21523.3
72.5°	824.7	864.2	1224.1	1813.4	2469.4	3368.5	11562.0	26536.6	*26811.5*	27897.4	18498.0
75°	555.9	577.1	765.4	1251.4	1766.3	1734.4	6006.5	18704.6	*19299.9*	21701.0	13662.4
77.5°	397.9	417.6	513.3	809.5	1237.8	1145.1	2720.0	11624.3	*11751.9*	13015.4	7450.8
80°	226.3	244.5	363.0	481.4	839.9	763.9	1081.3	5552.4	*5616.2*	5581.3	2487.7
82.5°	118.5	133.6	199.0	317.4	539.1	499.7	449.5	1858.9	*1868.0*	1553.7	545.2
85°	22.8	27.3	98.7	217.2	277.9	217.2	183.8	435.9	*445.0*	393.3	135.2
87.5°	0.0	1.5	39.5	48.6	54.7	56.2	59.2	85.0	*91.1*	123.0	36.4
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: P322084
CATALOG NUMBER: GLEON-SA0B-830-U-T2-HSS

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	3638.9	3638.9	3638.9	3638.9	3638.9	3638.9	3638.9	3638.9	3638.9	3638.9	3638.9
2.5°	3655.6	3600.9	3496.1	3374.6	3280.4	3187.8	3114.9	3039.0	3011.6	2998.0	2996.4
5°	3692.0	3576.6	3354.9	3127.0	2940.2	2764.1	2638.0	2518.0	2461.8	2436.0	2425.4
7.5°	3752.8	3567.5	3210.6	2862.8	2594.0	2373.8	2199.1	2068.5	2003.2	1975.9	1965.2
10°	3824.1	3555.3	3042.0	2583.3	2240.1	2012.3	1839.2	1710.1	1638.7	1608.3	1593.1
12.5°	3907.7	3534.1	2847.6	2300.9	1937.9	1710.1	1500.5	1341.0	1259.0	1224.1	1207.4
15°	4010.9	3512.8	2644.1	2035.1	1672.1	1394.2	1164.9	1057.0	1040.3	1034.2	1035.8
17.5°	4112.7	3479.4	2422.4	1772.3	1392.7	1088.9	972.0	965.9	968.9	968.9	968.9
20°	4203.8	3403.5	2180.9	1547.6	1126.9	918.8	894.5	883.9	876.3	870.2	862.6
22.5°	4275.2	3301.7	1948.5	1324.3	920.3	841.4	803.4	770.0	742.7	724.4	715.3
25°	4323.8	3166.5	1735.9	1110.2	827.7	765.4	697.1	640.9	598.4	572.6	561.9
27.5°	4360.3	3020.7	1546.1	929.5	763.9	677.3	587.7	520.9	476.9	454.1	445.0
30°	4386.1	2855.2	1379.0	817.1	692.5	584.7	489.0	423.7	391.8	379.7	373.6
32.5°	4410.4	2671.4	1221.1	763.9	625.7	499.7	410.1	359.9	340.2	325.0	320.5
35°	4471.1	2501.3	1070.7	707.7	557.4	426.8	352.3	315.9	296.2	287.0	284.0
37.5°	4615.4	2375.3	926.4	650.0	489.0	369.0	308.3	282.5	264.3	255.1	252.1
40°	4847.8	2311.5	804.9	587.7	422.2	325.0	279.4	255.1	235.4	221.7	218.7
42.5°	5189.5	2320.6	719.9	525.5	369.0	290.1	252.1	223.3	202.0	189.8	186.8
45°	5604.1	2387.4	660.6	464.7	325.0	262.7	221.7	191.4	171.6	161.0	157.9
47.5°	6053.6	2495.3	612.0	410.1	290.1	236.9	191.4	159.5	142.8	133.6	132.1
50°	6527.5	2600.1	561.9	356.9	259.7	211.1	161.0	132.1	118.5	110.9	107.8
52.5°	7007.4	2721.5	516.4	308.3	233.9	180.7	133.6	107.8	97.2	91.1	88.1
55°	7523.7	2812.7	472.3	270.3	208.1	153.4	110.9	89.6	80.5	72.9	71.4
57.5°	8131.2	2953.9	426.8	233.9	177.7	127.6	91.1	71.4	63.8	56.2	54.7
60°	8951.3	3119.5	378.2	206.5	145.8	104.8	74.4	57.7	48.6	42.5	41.0
62.5°	10032.7	3303.2	317.4	180.7	118.5	85.0	59.2	45.6	34.9	27.3	27.3
65°	11404.1	3602.4	259.7	151.9	97.2	69.9	45.6	33.4	19.7	12.1	12.1
67.5°	12204.4	3654.0	209.6	124.5	79.0	59.2	38.0	22.8	6.1	1.5	0.0
69°	*11947.8*	*3354.9*	*177.7*	*106.3*	*68.3*	*56.2*	*34.9*	*16.7*	*3.0*	*0.0*	*0.0*
70°	11464.8	3067.8	156.4	94.2	62.3	53.2	33.4	12.1	3.0	0.0	0.0
72.5°	9473.8	2183.9	118.5	69.9	45.6	47.1	30.4	7.6	3.0	0.0	0.0
75°	6901.1	1327.4	85.0	48.6	28.9	34.9	21.3	3.0	1.5	0.0	0.0
77.5°	3839.3	625.7	53.2	27.3	18.2	21.3	10.6	0.0	0.0	0.0	0.0
80°	1246.9	170.1	24.3	15.2	10.6	12.1	4.6	0.0	0.0	0.0	0.0
82.5°	230.8	48.6	13.7	7.6	3.0	3.0	0.0	0.0	0.0	0.0	0.0
85°	50.1	19.7	7.6	3.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	16.7	6.1	1.5	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

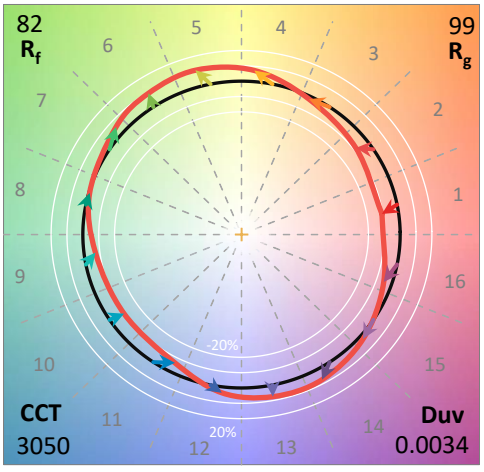
Test Information

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

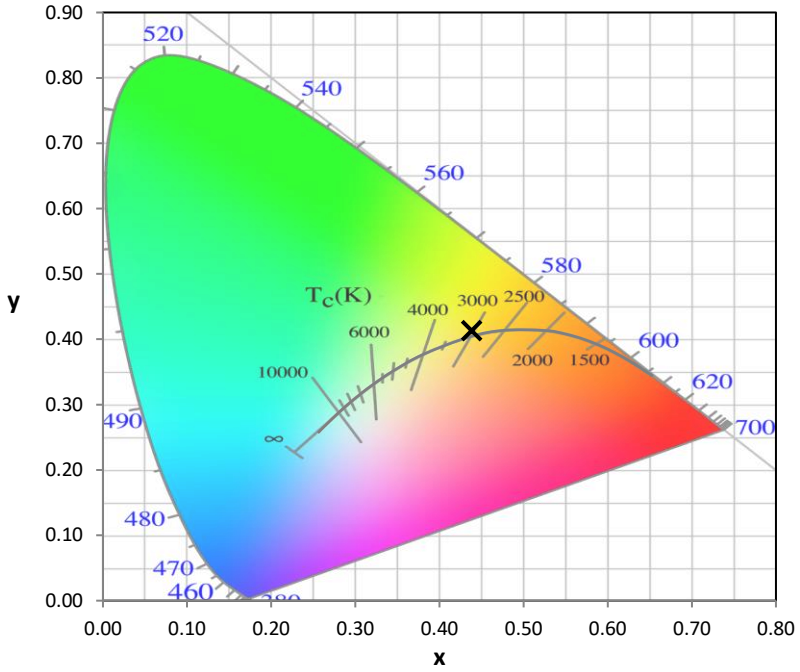
Stabilization Time:	20M
Operation Time:	1H 20M
Sphere Temperature (°C):	24.2

REPORT NUMBER: SP1-2408-195-9

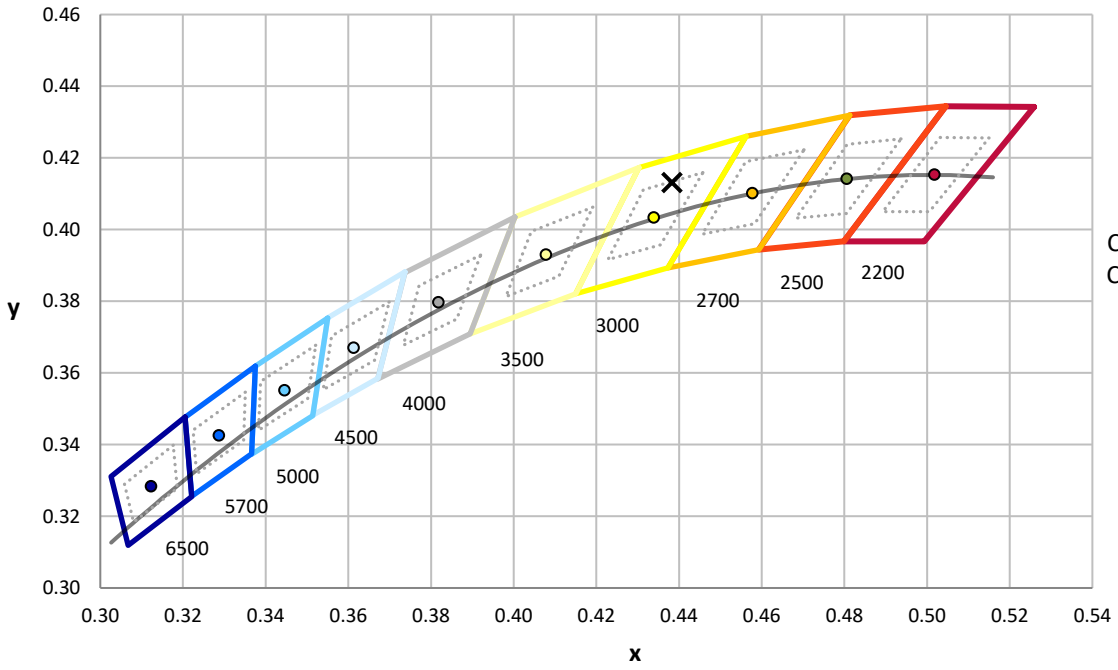
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

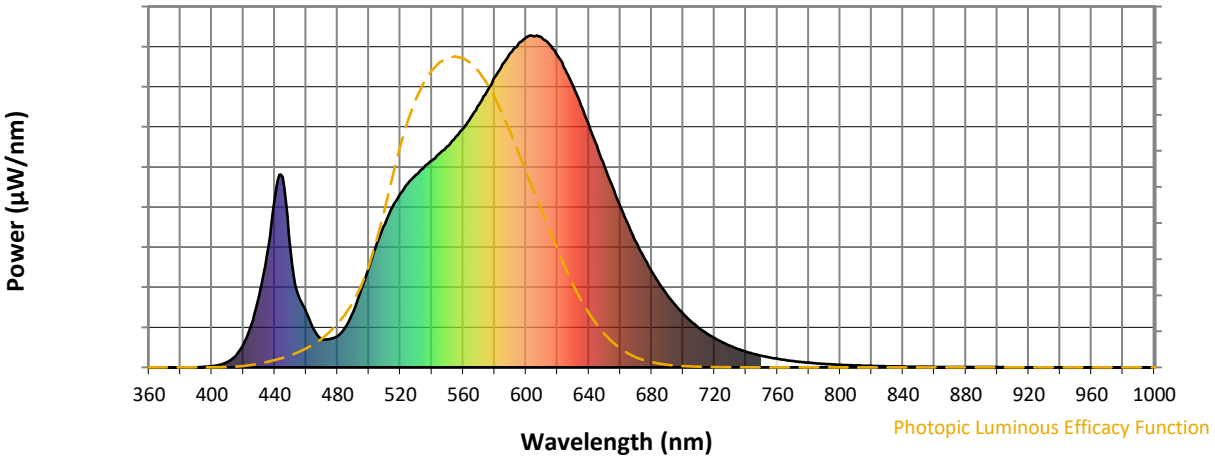


CCT = 3050K
CIE x = 0.4383
CIE y = 0.4131
Duv = 0.0034

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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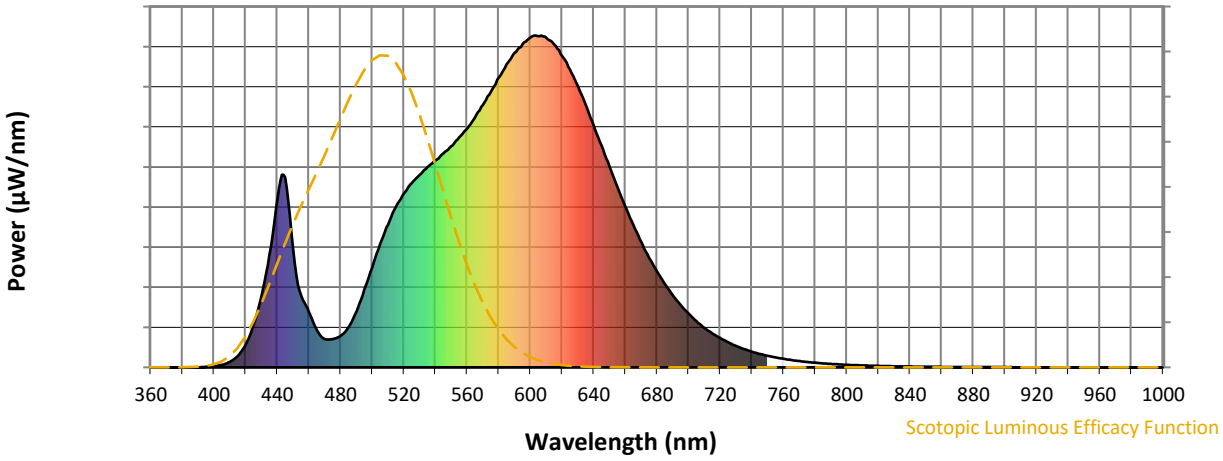
Scotopic Flux vs. Wavelength



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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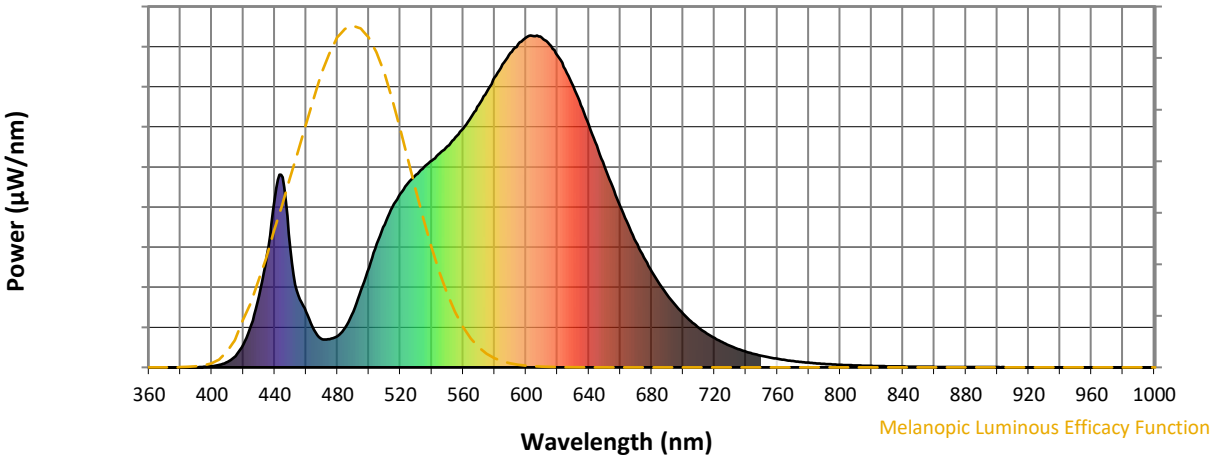
Melanopic Flux vs. Wavelength



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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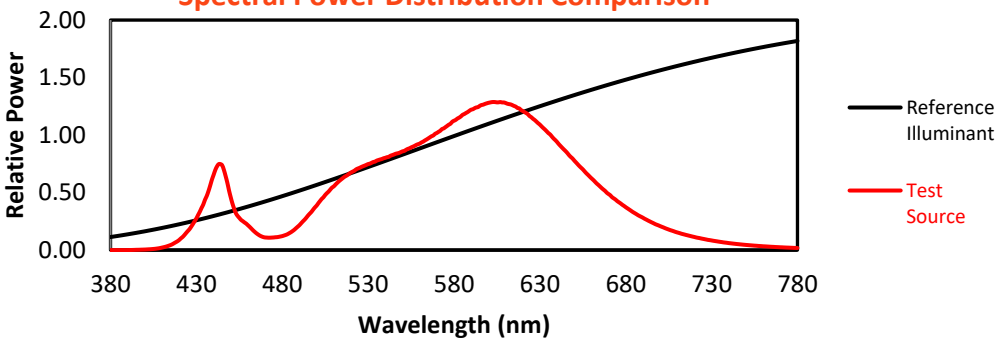
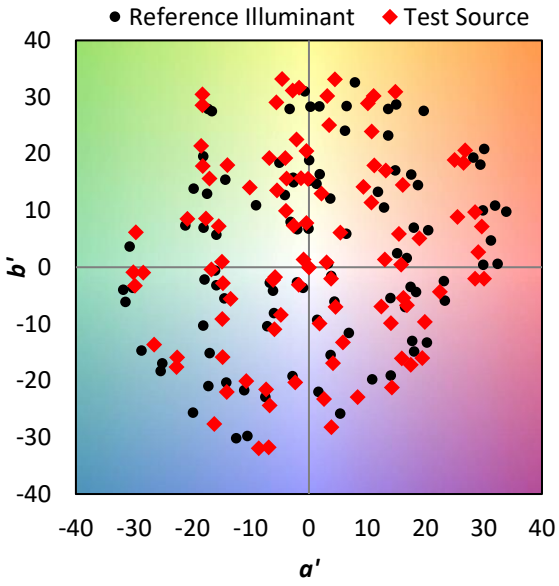
Summary

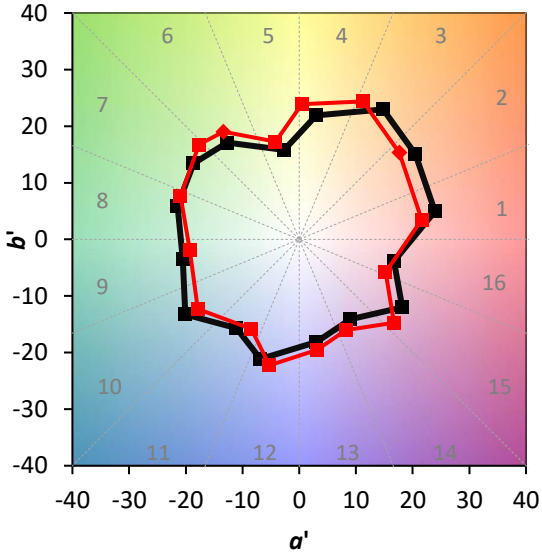
R_f = 81.5
R_g = 99.2
CIE R_a = 81.0
R_9 = 7.1

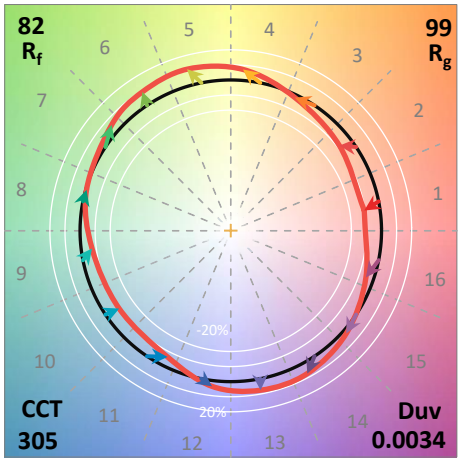
Spectral Power Distribution Comparison

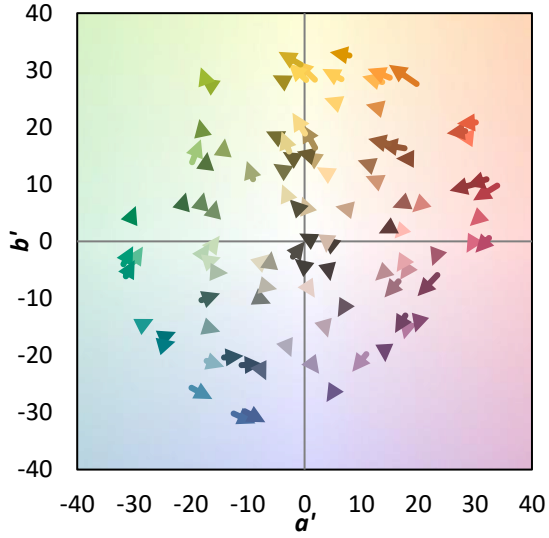


Color Vector Graphics









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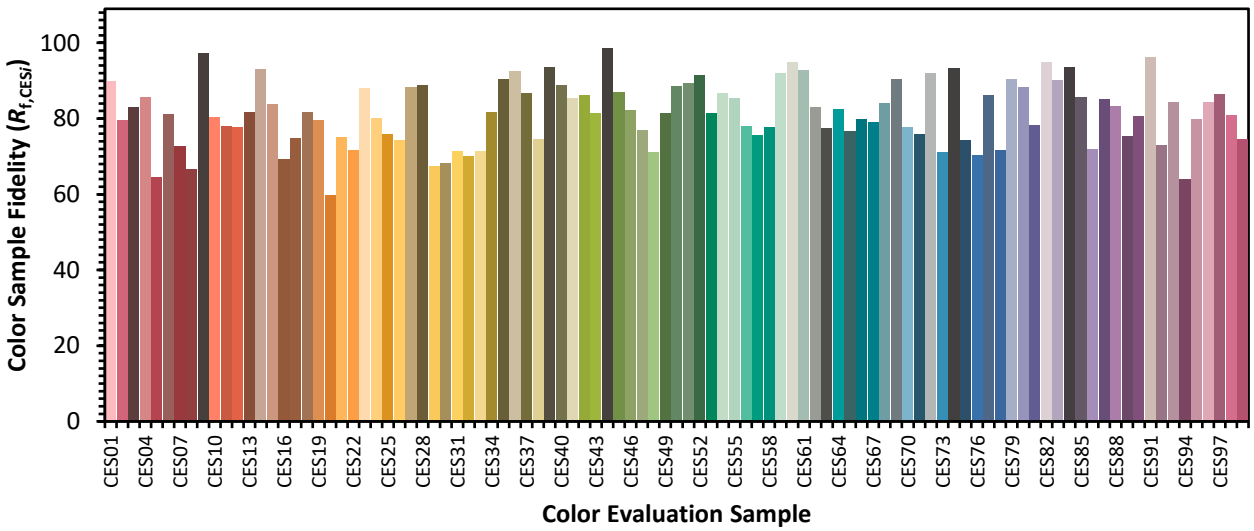
Individual Sample Fidelity Index ($R_{f,i}$)

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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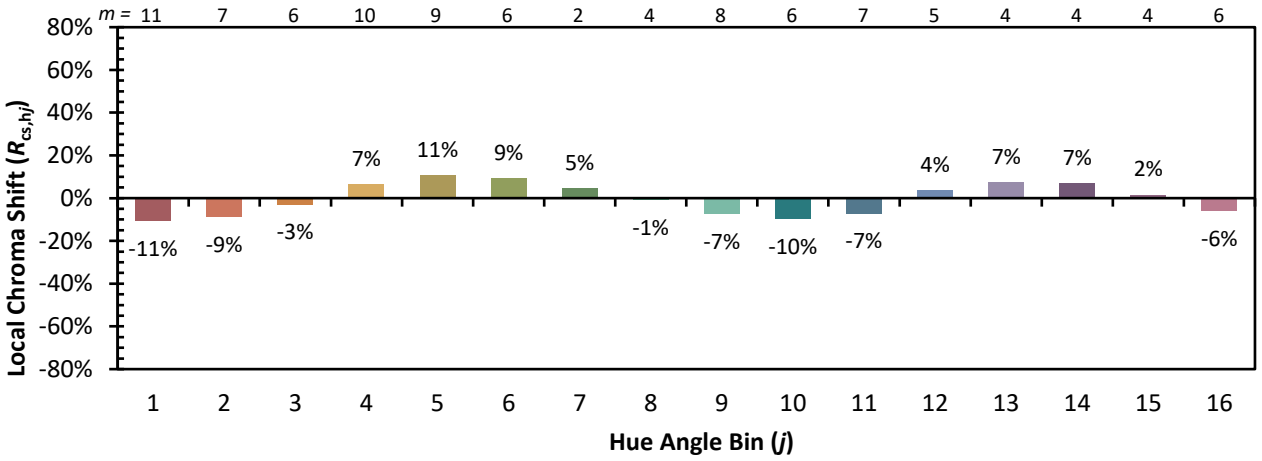
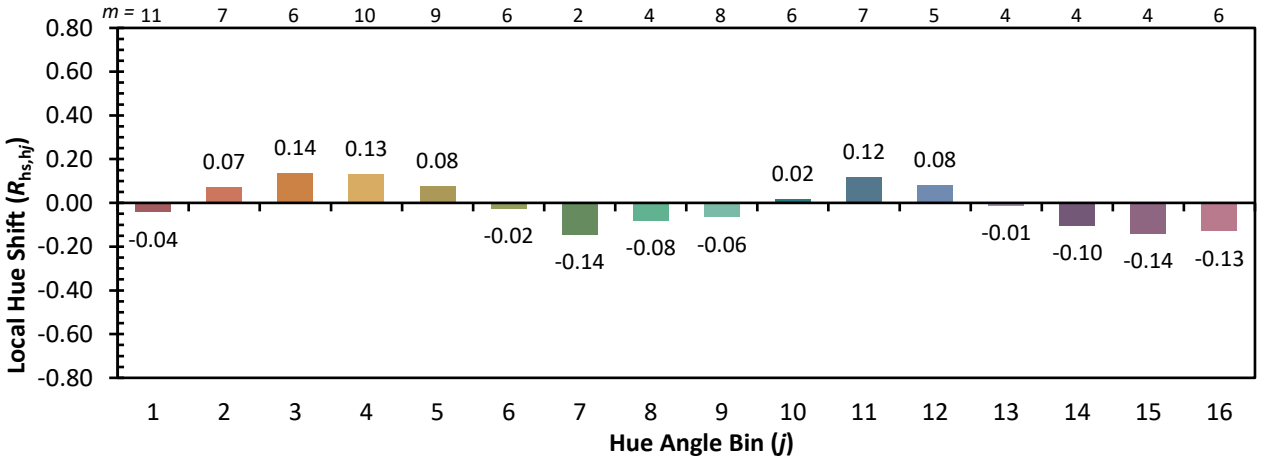
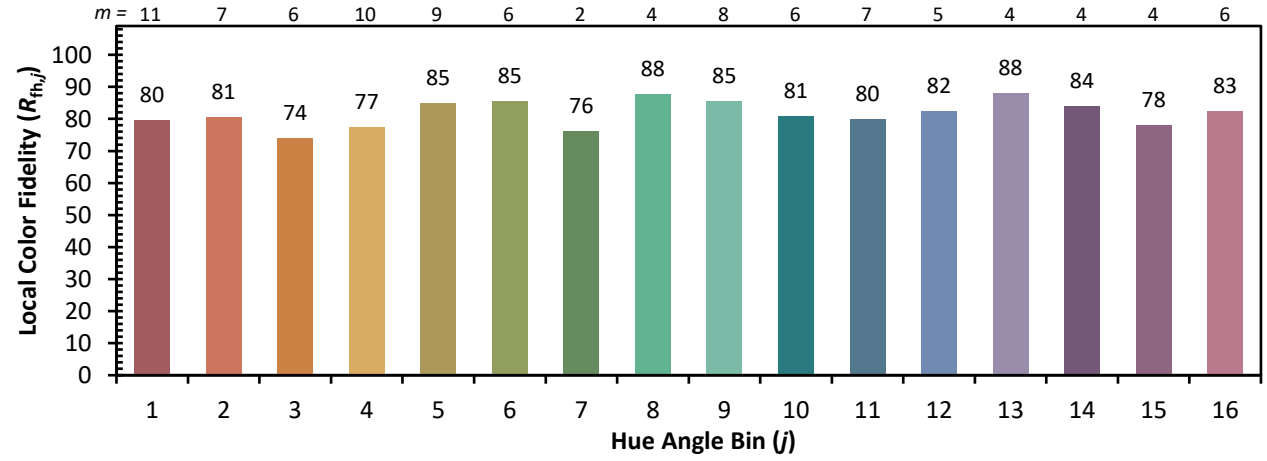
Color Rendition by Hue-Angle Bin







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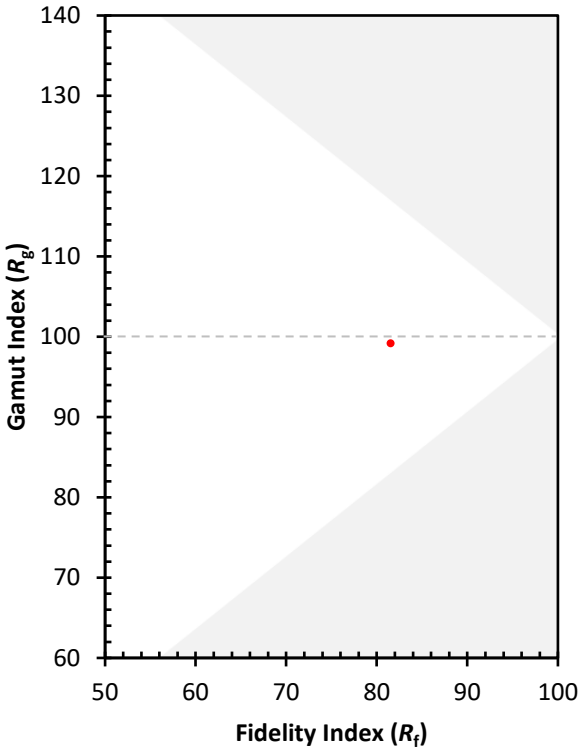
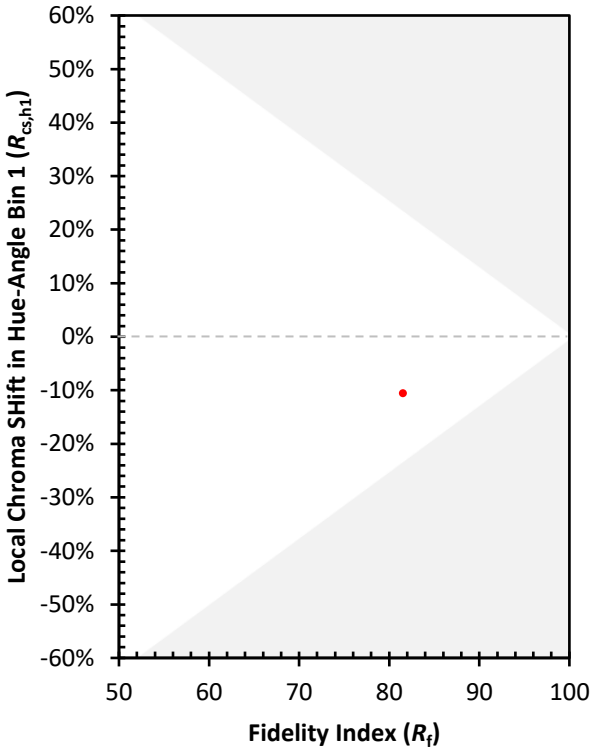
Measure Comparisons





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