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: P322067

Luminaire Tested: **GLEON-SA3A-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:	P322067
	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-SA3A-830-U-T2-HSS
Description:	GALLEON AREA AND ROADWAY LUMINAIRE
	(3) 80 CRI, 3000K, 615mA 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:	8042 lumens
Efficiency:	N/A
Efficacy:	83.8 lumens/watt
Luminous Opening:	Rectangular (W 1' x L: 1' x H: 0')
IES Classification:	Type II - Medium
BUG Rating:	B1 - U0 - G2

Input Watts (W):	96
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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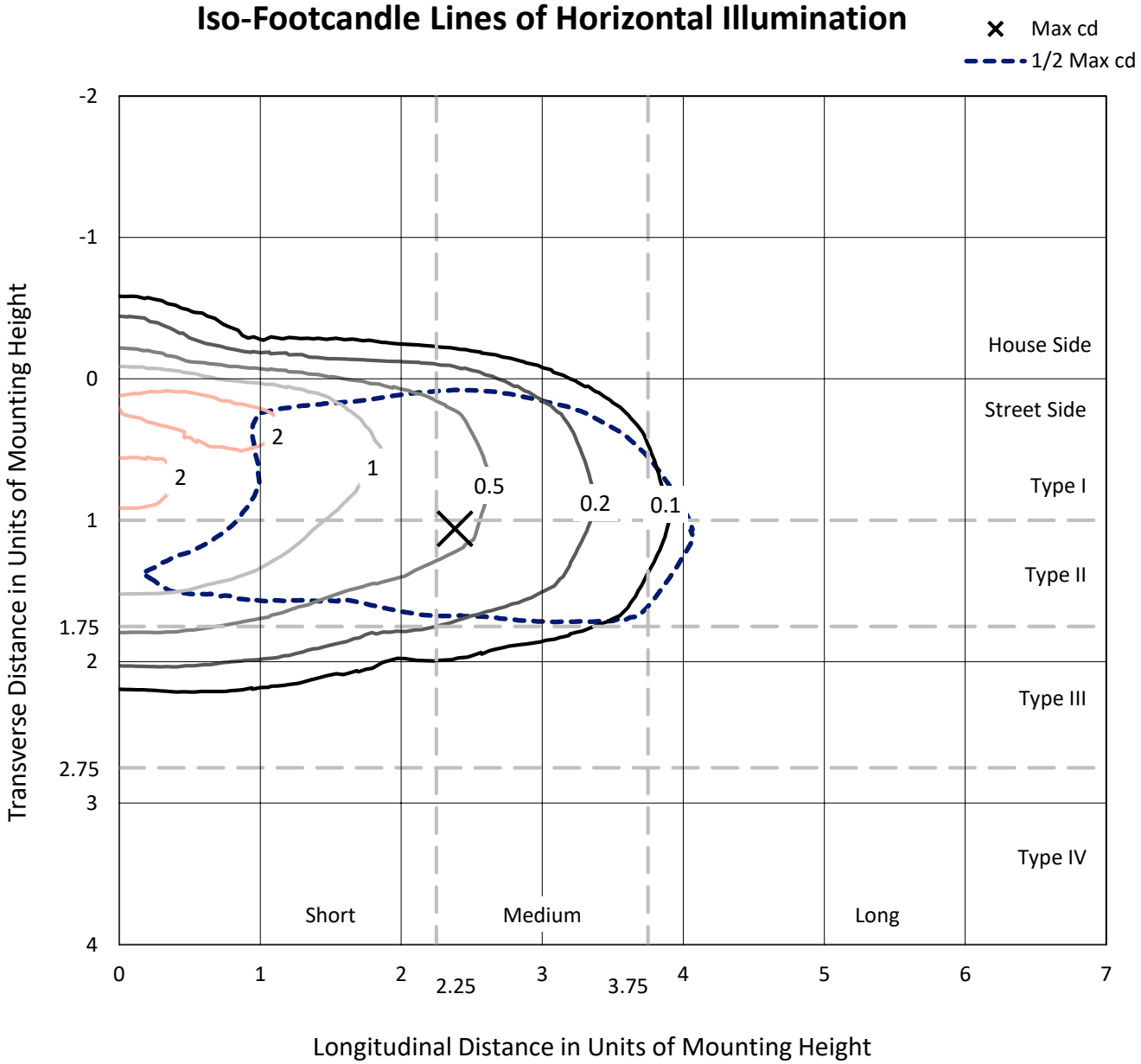
Scaled Data Report

REPORT NUMBER: P322067
CATALOG NUMBER: GLEON-SA3A-830-U-T2-HSS

Iso-Footcandle Lines of Horizontal Illumination



Based on 25 foot mounting height. Maximum calculated value = 2.4 fc
Type II - Medium - N/A

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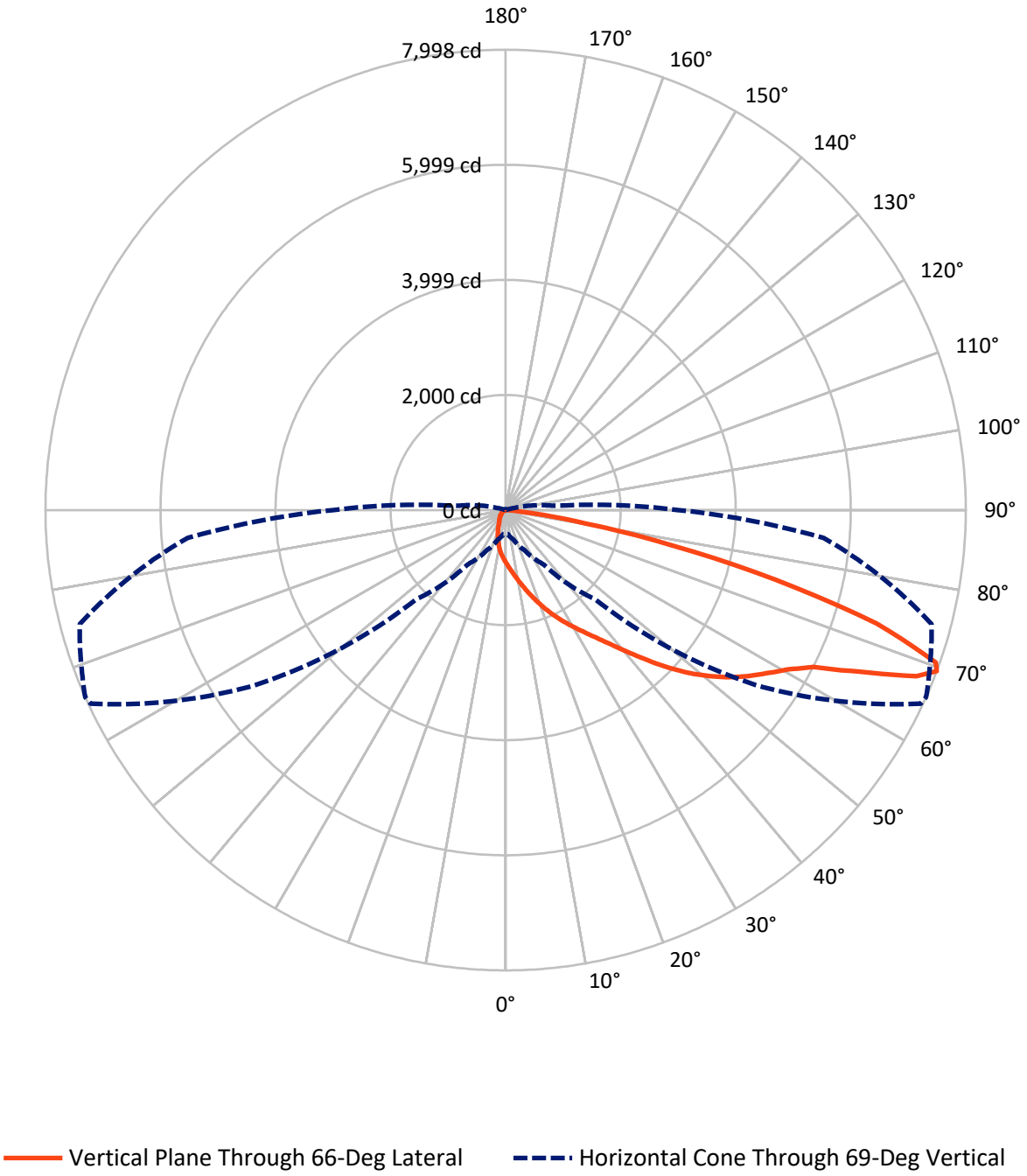
Luminous Intensity Polar Plot



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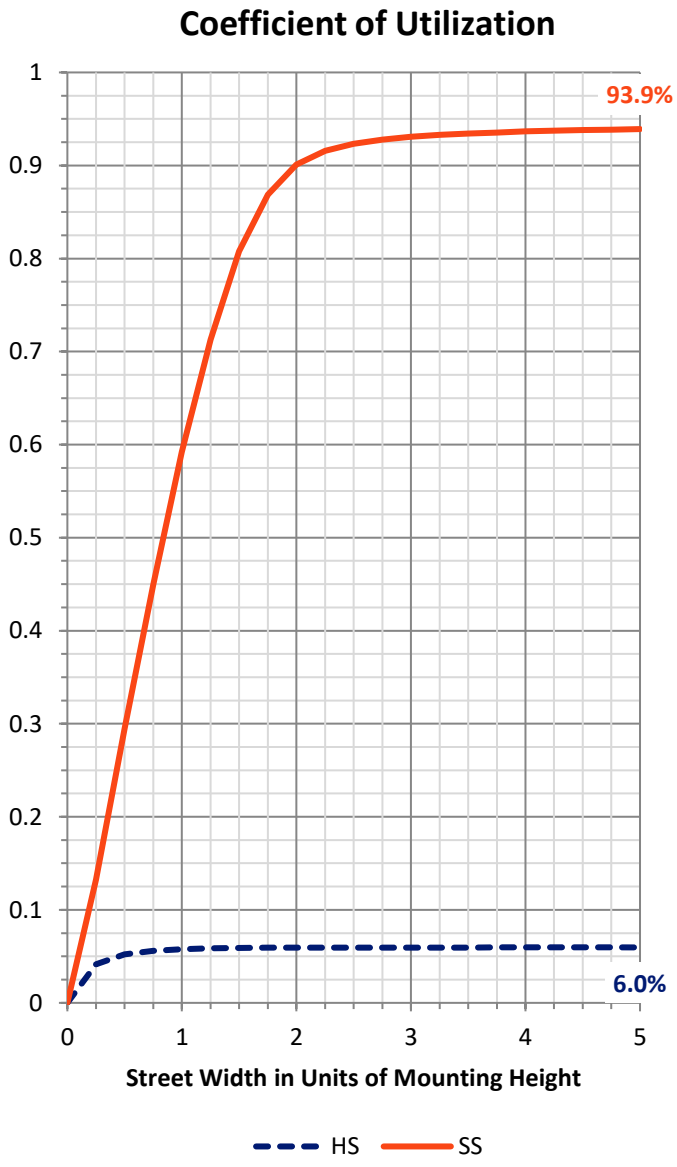
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	482.4	0.0	482.4
	% Fixture	6.0	0.0	6.0
Street Side	Lumens	7559.6	0.0	7559.6
	% Fixture	94.0	0.0	94.0
Total	Lumens	8042.0	0.0	8042.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	88.5	1.1
10°-20°	263.3	3.3
20°-30°	458.5	5.7
30°-40°	804.4	10.0
40°-50°	1346.5	16.7
50°-60°	1979.2	24.6
60°-70°	2032.1	25.3
70°-80°	1003.2	12.5
80°-90°	66.3	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°	8042.0	100.0
0°-180°	8042.0	100.0



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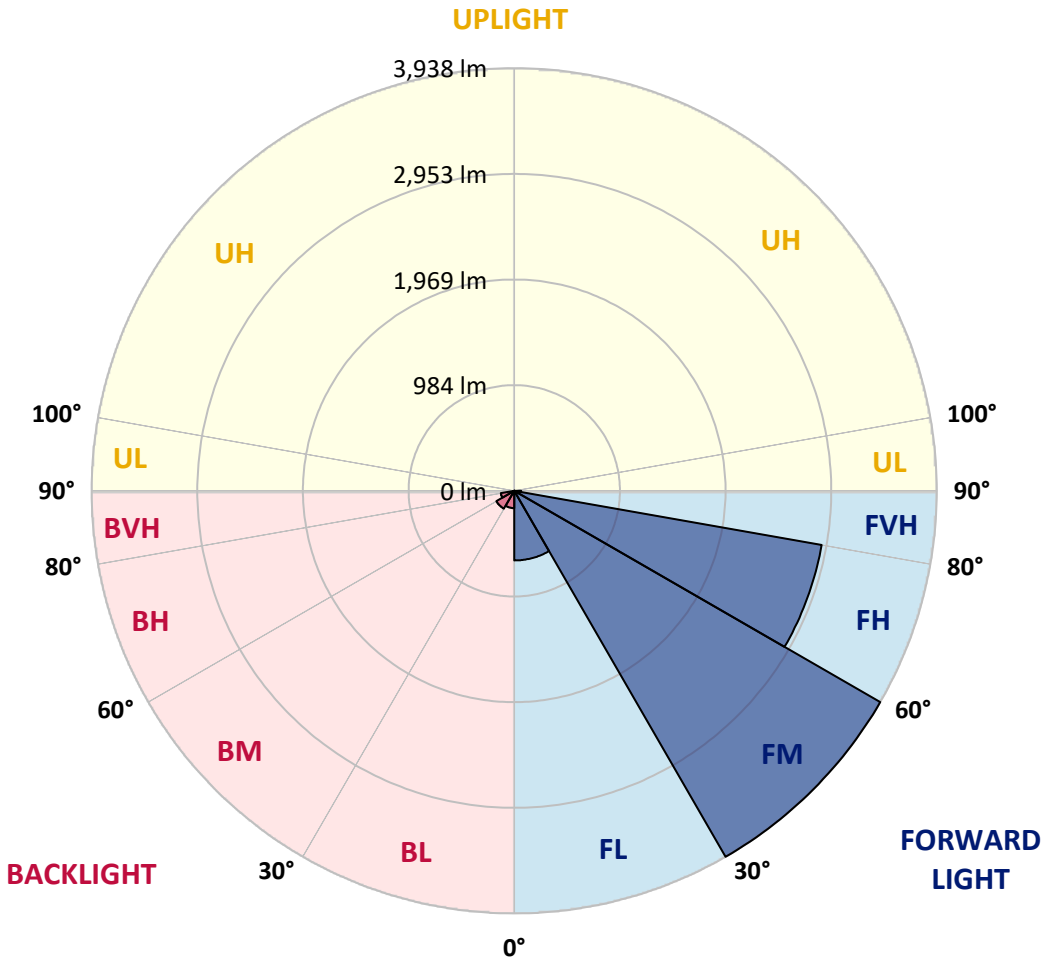
LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	648.9	8.1			
FM	(30°-60°)	3937.8	49.0			
FH	(60°-80°)	2908.2	36.2			G2/5000
FVH	(80°-90°)	64.7	0.8			G1/100
BL	(0°-30°)	161.3	2.0	B1/500		
BM	(30°-60°)	192.3	2.4	B0/220		
BH	(60°-80°)	127.1	1.6	B1/500		G1/500
BVH	(80°-90°)	1.6	0.0			G0/10
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G2
Type II Medium



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REPORT NUMBER: P322067
CATALOG NUMBER: GLEON-SA3A-830-U-T2-HSS

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	66°	75°	85°
0°	915.2	915.2	915.2	915.2	915.2	915.2	915.2	915.2	*915.2*	915.2	915.2
2.5°	1077.2	1072.6	1070.7	1062.3	1047.7	1036.7	1015.3	990.5	*985.9*	961.8	932.4
5°	1217.0	1213.1	1210.5	1198.6	1183.7	1155.8	1116.9	1070.7	*1061.9*	1016.0	957.2
7.5°	1314.4	1321.2	1321.2	1313.6	1294.9	1273.9	1226.1	1163.1	*1152.0*	1081.7	990.5
10°	1371.3	1379.7	1386.2	1392.7	1390.0	1381.6	1336.5	1265.5	*1252.1*	1158.9	1029.0
12.5°	1376.6	1385.0	1403.4	1430.5	1456.8	1475.9	1447.7	1378.9	*1363.6*	1248.3	1074.9
15°	1346.8	1355.6	1383.9	1436.6	1500.4	1556.2	1565.3	1504.6	*1488.9*	1354.9	1132.2
17.5°	1294.9	1300.6	1341.1	1414.1	1514.1	1616.5	1671.9	1639.4	*1624.9*	1476.7	1196.0
20°	1256.3	1260.5	1296.0	1374.3	1505.7	1654.3	1772.7	1782.7	*1767.4*	1607.3	1265.1
22.5°	1322.4	1330.0	1331.2	1368.2	1482.8	1673.0	1861.4	1923.6	*1912.2*	1746.0	1333.1
25°	1503.1	1511.8	1482.8	1459.9	1502.3	1681.4	1937.4	2068.0	*2058.8*	1895.3	1401.5
27.5°	1741.8	1751.0	1713.5	1645.2	1604.3	1713.1	2005.0	2214.7	*2214.3*	2053.5	1475.2
30°	1976.3	1985.5	1947.3	1878.9	1785.0	1802.9	2063.4	2368.2	*2370.5*	2216.6	1553.5
32.5°	2222.3	2233.8	2194.4	2106.6	2008.4	1958.0	2145.5	2522.5	*2535.5*	2405.7	1641.7
35°	2501.9	2503.4	2448.1	2356.0	2242.9	2165.4	2277.3	2695.6	*2726.5*	2639.8	1753.6
37.5°	2776.2	2787.3	2741.8	2596.6	2492.8	2404.9	2473.3	2911.8	*2955.7*	2925.9	1899.9
40°	2979.4	3002.7	2996.2	2839.6	2741.0	2678.4	2716.6	3168.8	*3224.6*	3259.0	2084.4
42.5°	3107.0	3124.5	3154.3	3060.0	2970.6	2980.9	3003.8	3468.3	*3537.1*	3638.7	2296.4
45°	3253.3	3261.7	3286.5	3244.9	3184.5	3288.4	3308.6	3805.6	*3877.8*	4047.0	2531.7
47.5°	3432.0	3451.9	3458.8	3420.6	3393.1	3560.4	3602.4	4112.3	*4213.5*	4484.4	2780.8
50°	3659.7	3665.0	3676.9	3652.0	3624.5	3794.1	3865.9	4434.3	*4526.4*	4923.2	3026.4
52.5°	3882.4	3901.5	3942.7	3927.1	3916.0	3993.1	4100.9	4724.6	*4827.4*	5289.2	3271.6
55°	3946.5	3963.0	4105.4	4202.8	4293.0	4238.4	4325.5	4984.7	*5095.9*	5616.1	3507.7
57.5°	3690.2	3723.5	3970.2	4223.8	4597.8	4619.6	4634.1	5251.7	*5351.4*	5866.7	3753.3
60°	3042.4	3048.9	3453.8	3888.9	4547.4	4952.3	5084.8	5538.6	*5622.2*	6100.1	4047.4
62.5°	1935.1	2001.2	2445.4	3059.6	4014.1	4904.1	5629.9	5972.5	*6003.1*	6380.1	4469.1
65°	921.7	964.5	1284.6	1890.4	2907.6	4288.0	6006.1	6757.5	*6771.2*	6935.1	5032.5
67.5°	510.3	530.9	683.3	1017.6	1699.8	3032.5	5854.1	7687.2	*7700.2*	7501.9	5526.8
69°	*399.2*	*416.7*	*536.7*	*767.0*	*1152.4*	*2179.5*	*5297.6*	*7959.5*	*7998.1*	*7664.3*	*5544.3*
70°	338.8	356.0	462.2	647.8	926.7	1684.1	4715.4	7891.9	*7932.8*	7649.0	5413.3
72.5°	207.4	217.3	307.9	456.1	621.1	847.2	2908.0	6674.2	*6743.3*	7016.4	4652.4
75°	139.8	145.1	192.5	314.7	444.2	436.2	1510.7	4704.4	*4854.1*	5458.0	3436.2
77.5°	100.1	105.0	129.1	203.6	311.3	288.0	684.1	2923.6	*2955.7*	3273.5	1874.0
80°	56.9	61.5	91.3	121.1	211.2	192.1	272.0	1396.5	*1412.5*	1403.7	625.7
82.5°	29.8	33.6	50.0	79.8	135.6	125.7	113.1	467.5	*469.8*	390.8	137.1
85°	5.7	6.9	24.8	54.6	69.9	54.6	46.2	109.6	*111.9*	98.9	34.0
87.5°	0.0	0.4	9.9	12.2	13.8	14.1	14.9	21.4	*22.9*	30.9	9.2
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: P322067
CATALOG NUMBER: GLEON-SA3A-830-U-T2-HSS

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	915.2	915.2	915.2	915.2	915.2	915.2	915.2	915.2	915.2	915.2	915.2
2.5°	919.4	905.7	879.3	848.7	825.1	801.8	783.4	764.3	757.5	754.0	753.6
5°	928.6	899.5	843.8	786.5	739.5	695.2	663.5	633.3	619.2	612.7	610.0
7.5°	943.9	897.3	807.5	720.0	652.4	597.0	553.1	520.2	503.8	496.9	494.3
10°	961.8	894.2	765.1	649.7	563.4	506.1	462.6	430.1	412.1	404.5	400.7
12.5°	982.8	888.8	716.2	578.7	487.4	430.1	377.4	337.3	316.7	307.9	303.7
15°	1008.8	883.5	665.0	511.8	420.6	350.7	293.0	265.9	261.7	260.1	260.5
17.5°	1034.4	875.1	609.2	445.8	350.3	273.9	244.5	242.9	243.7	243.7	243.7
20°	1057.3	856.0	548.5	389.2	283.4	231.1	225.0	222.3	220.4	218.9	217.0
22.5°	1075.3	830.4	490.1	333.1	231.5	211.6	202.1	193.7	186.8	182.2	179.9
25°	1087.5	796.4	436.6	279.2	208.2	192.5	175.3	161.2	150.5	144.0	141.3
27.5°	1096.6	759.7	388.8	233.8	192.1	170.4	147.8	131.0	119.9	114.2	111.9
30°	1103.1	718.1	346.8	205.5	174.2	147.1	123.0	106.6	98.5	95.5	94.0
32.5°	1109.2	671.9	307.1	192.1	157.4	125.7	103.1	90.5	85.6	81.7	80.6
35°	1124.5	629.1	269.3	178.0	140.2	107.3	88.6	79.5	74.5	72.2	71.4
37.5°	1160.8	597.4	233.0	163.5	123.0	92.8	77.5	71.0	66.5	64.2	63.4
40°	1219.3	581.4	202.4	147.8	106.2	81.7	70.3	64.2	59.2	55.8	55.0
42.5°	1305.2	583.7	181.1	132.2	92.8	73.0	63.4	56.1	50.8	47.7	47.0
45°	1409.5	600.5	166.2	116.9	81.7	66.1	55.8	48.1	43.2	40.5	39.7
47.5°	1522.5	627.6	153.9	103.1	73.0	59.6	48.1	40.1	35.9	33.6	33.2
50°	1641.7	653.9	141.3	89.8	65.3	53.1	40.5	33.2	29.8	27.9	27.1
52.5°	1762.4	684.5	129.9	77.5	58.8	45.5	33.6	27.1	24.4	22.9	22.2
55°	1892.3	707.4	118.8	68.0	52.3	38.6	27.9	22.5	20.2	18.3	18.0
57.5°	2045.1	742.9	107.3	58.8	44.7	32.1	22.9	18.0	16.0	14.1	13.8
60°	2251.3	784.6	95.1	51.9	36.7	26.4	18.7	14.5	12.2	10.7	10.3
62.5°	2523.3	830.8	79.8	45.5	29.8	21.4	14.9	11.5	8.8	6.9	6.9
65°	2868.2	906.0	65.3	38.2	24.4	17.6	11.5	8.4	5.0	3.1	3.1
67.5°	3069.5	919.0	52.7	31.3	19.9	14.9	9.5	5.7	1.5	0.4	0.0
69°	*3005.0*	*843.8*	*44.7*	*26.7*	*17.2*	*14.1*	*8.8*	*4.2*	*0.8*	*0.0*	*0.0*
70°	2883.5	771.6	39.3	23.7	15.7	13.4	8.4	3.1	0.8	0.0	0.0
72.5°	2382.7	549.3	29.8	17.6	11.5	11.8	7.6	1.9	0.8	0.0	0.0
75°	1735.7	333.8	21.4	12.2	7.3	8.8	5.3	0.8	0.4	0.0	0.0
77.5°	965.6	157.4	13.4	6.9	4.6	5.3	2.7	0.0	0.0	0.0	0.0
80°	313.6	42.8	6.1	3.8	2.7	3.1	1.1	0.0	0.0	0.0	0.0
82.5°	58.1	12.2	3.4	1.9	0.8	0.8	0.0	0.0	0.0	0.0	0.0
85°	12.6	5.0	1.9	0.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	4.2	1.5	0.4	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

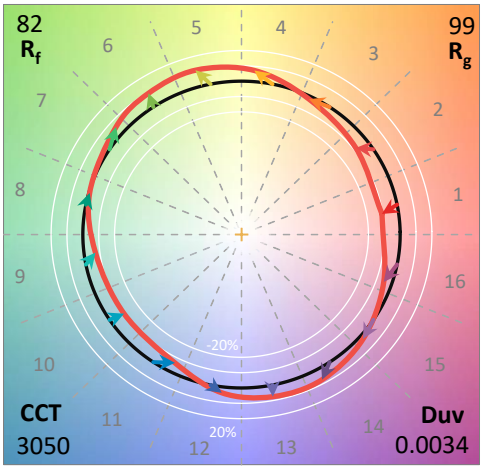
Test Information

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

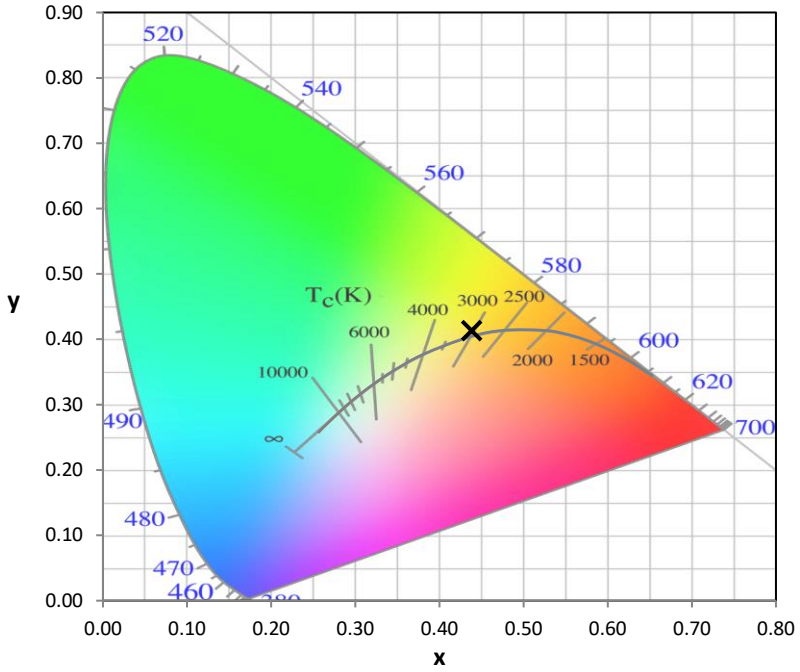
Stabilization Time:	20M
Operation Time:	1H 20M
Sphere Temperature (°C):	24.2

REPORT NUMBER: SP1-2408-195-9

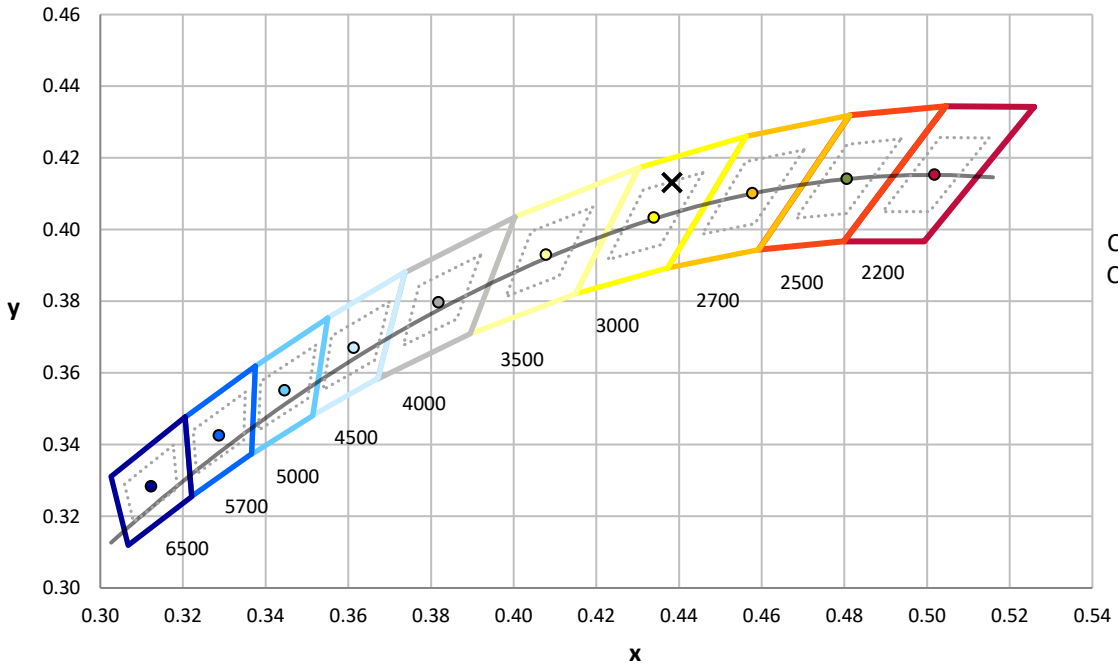
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

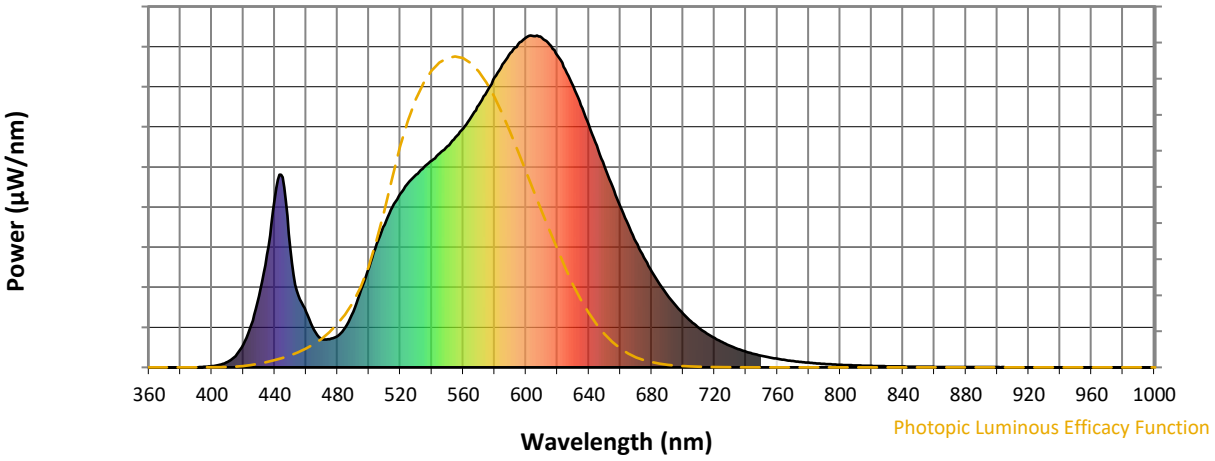


CCT = 3050K
CIE x = 0.4383
CIE y = 0.4131
Duv = 0.0034

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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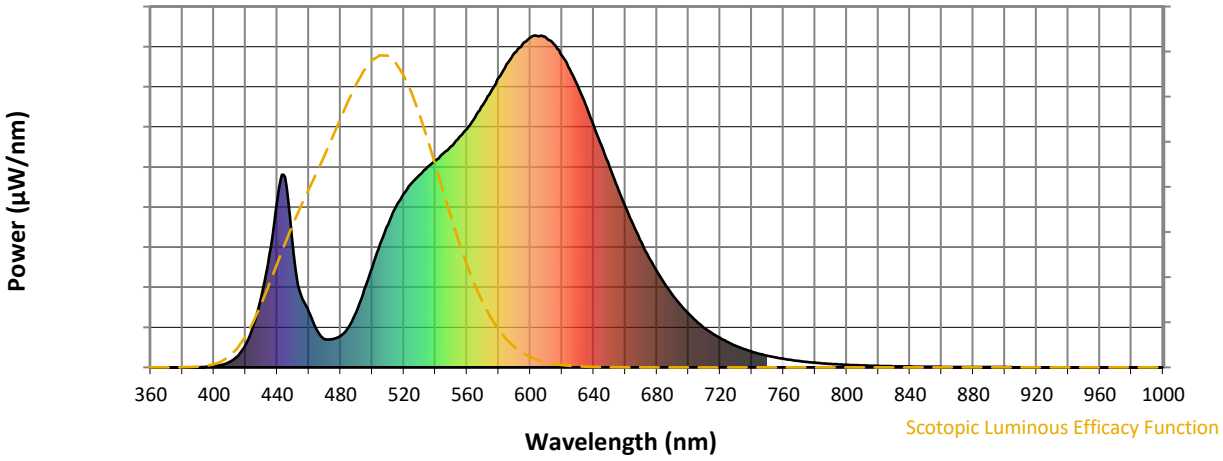
Scotopic Flux vs. Wavelength



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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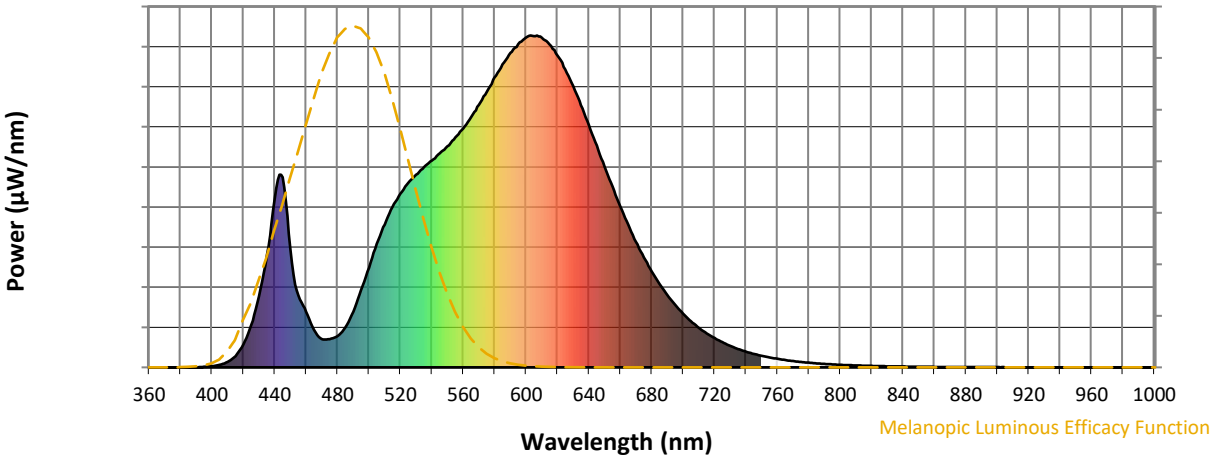
Melanopic Flux vs. Wavelength



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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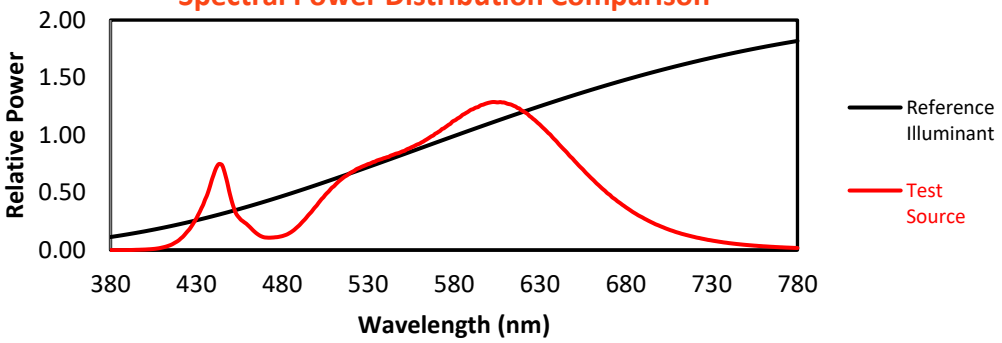
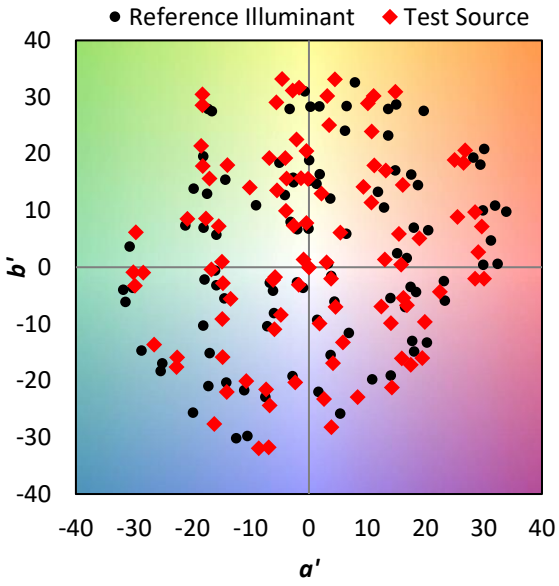
Summary

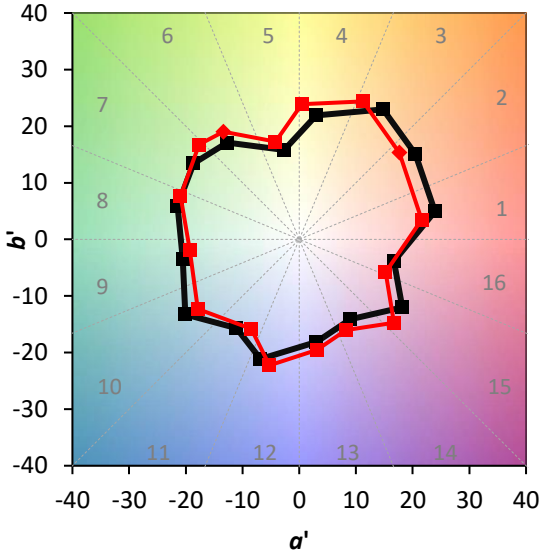
R_f = 81.5
R_g = 99.2
CIE R_a = 81.0
R_9 = 7.1

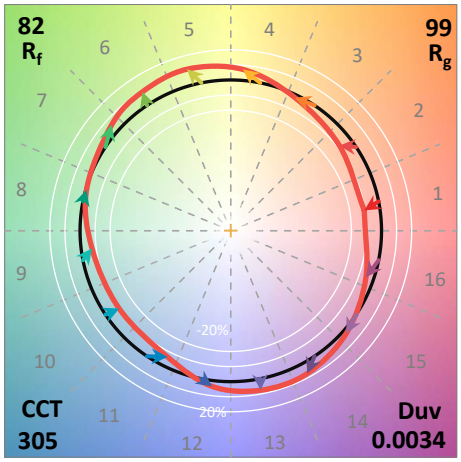
Spectral Power Distribution Comparison

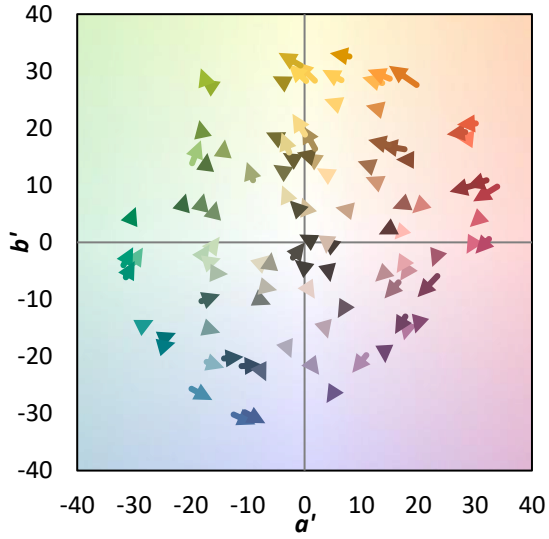


Color Vector Graphics









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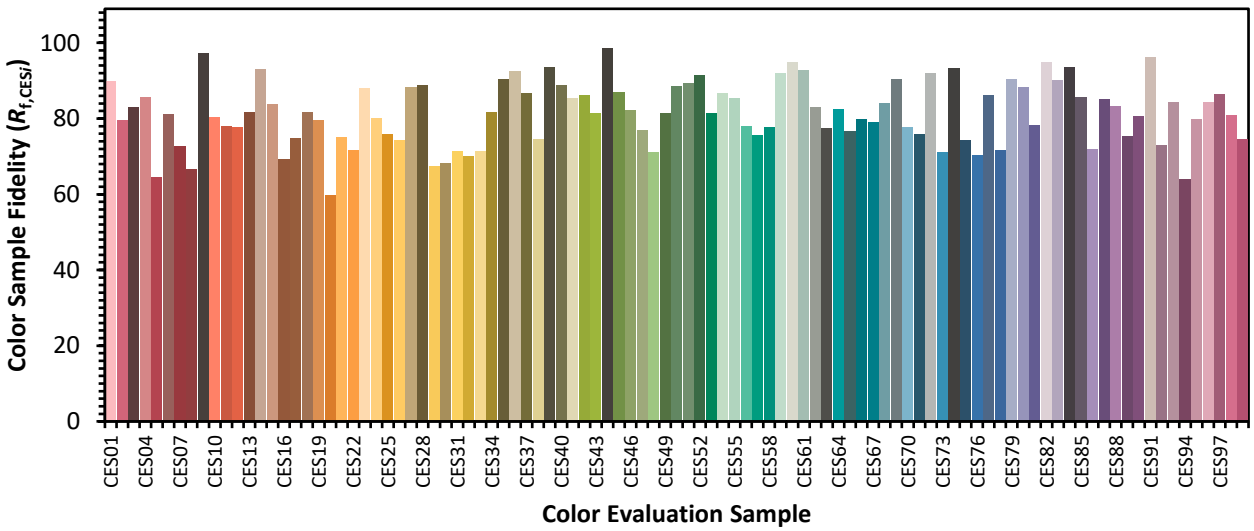
Individual Sample Fidelity Index ($R_{f,i}$)

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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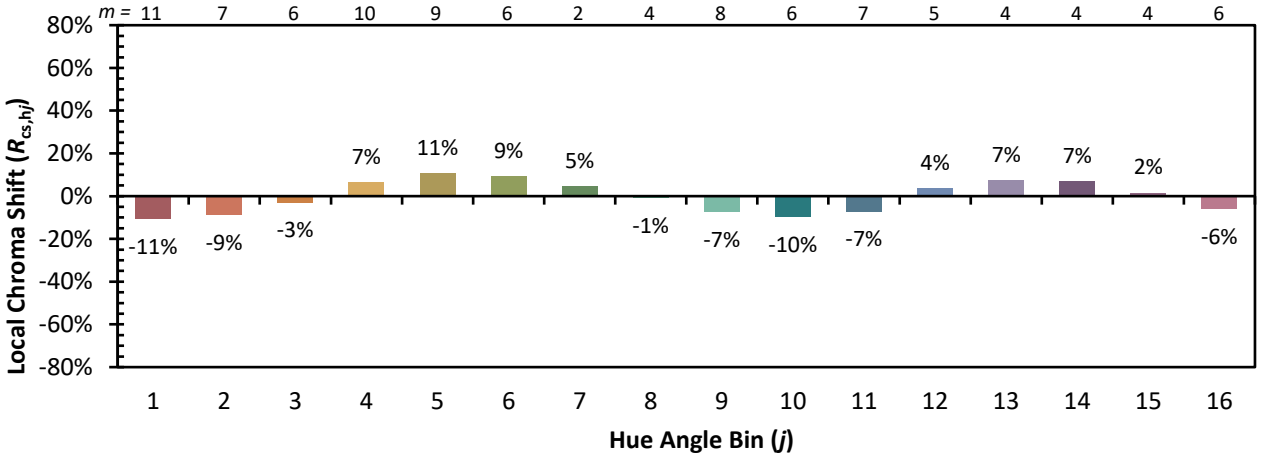
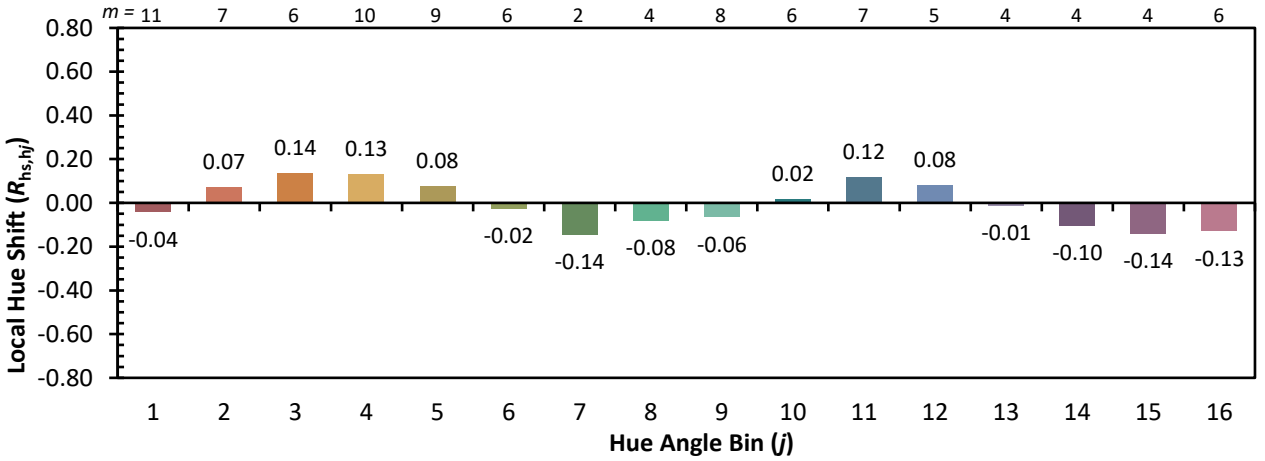
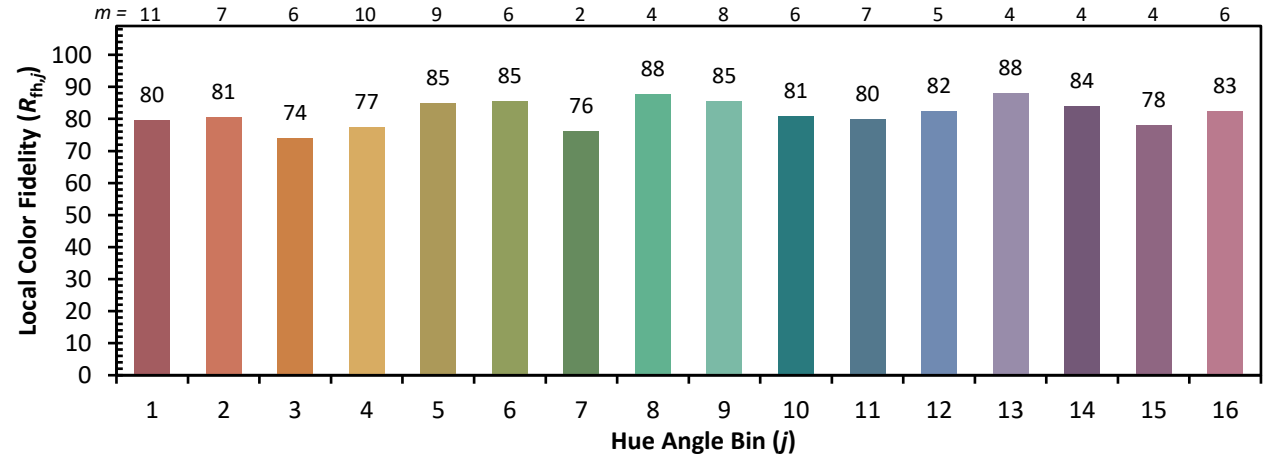
Color Rendition by Hue-Angle Bin







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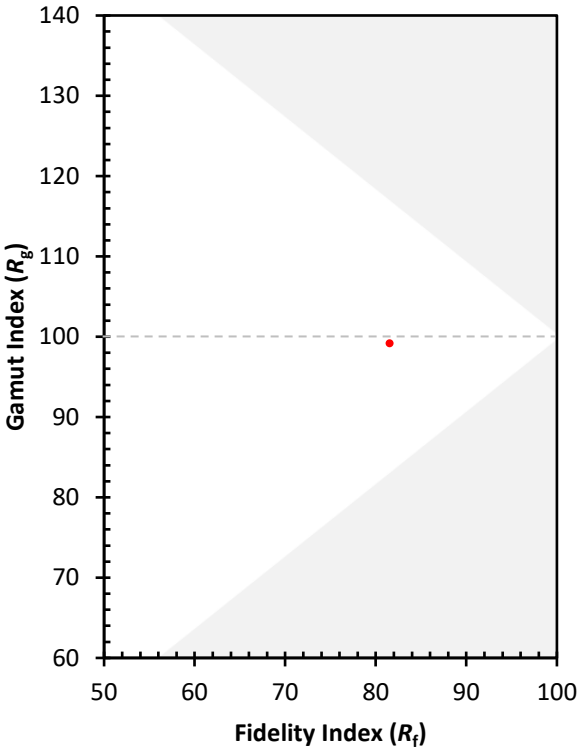
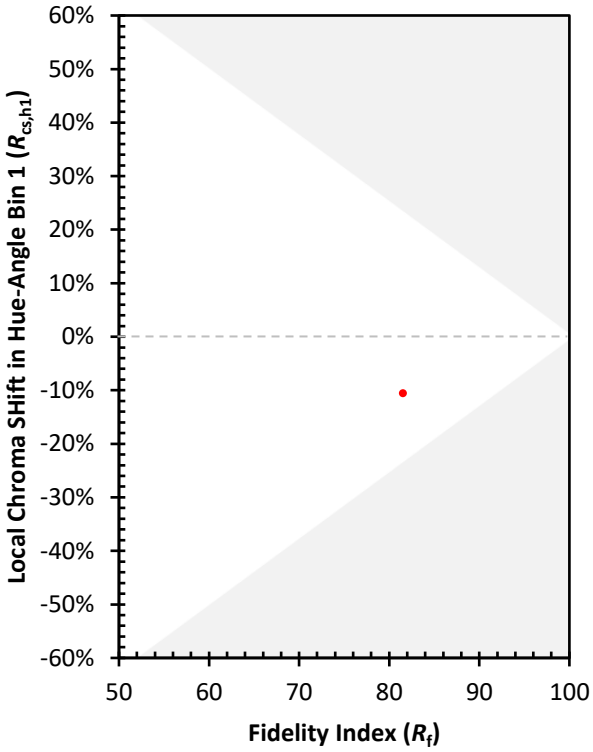
Measure Comparisons





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