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: P322087

Luminaire Tested: **GLEON-SA3C-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:	P322087
	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-SA3C-830-U-T2-HSS
Description:	GALLEON AREA AND ROADWAY LUMINAIRE
	(3) 80 CRI, 3000K, 1050mA 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:	12207 lumens
Efficiency:	N/A
Efficacy:	73.5 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):	166
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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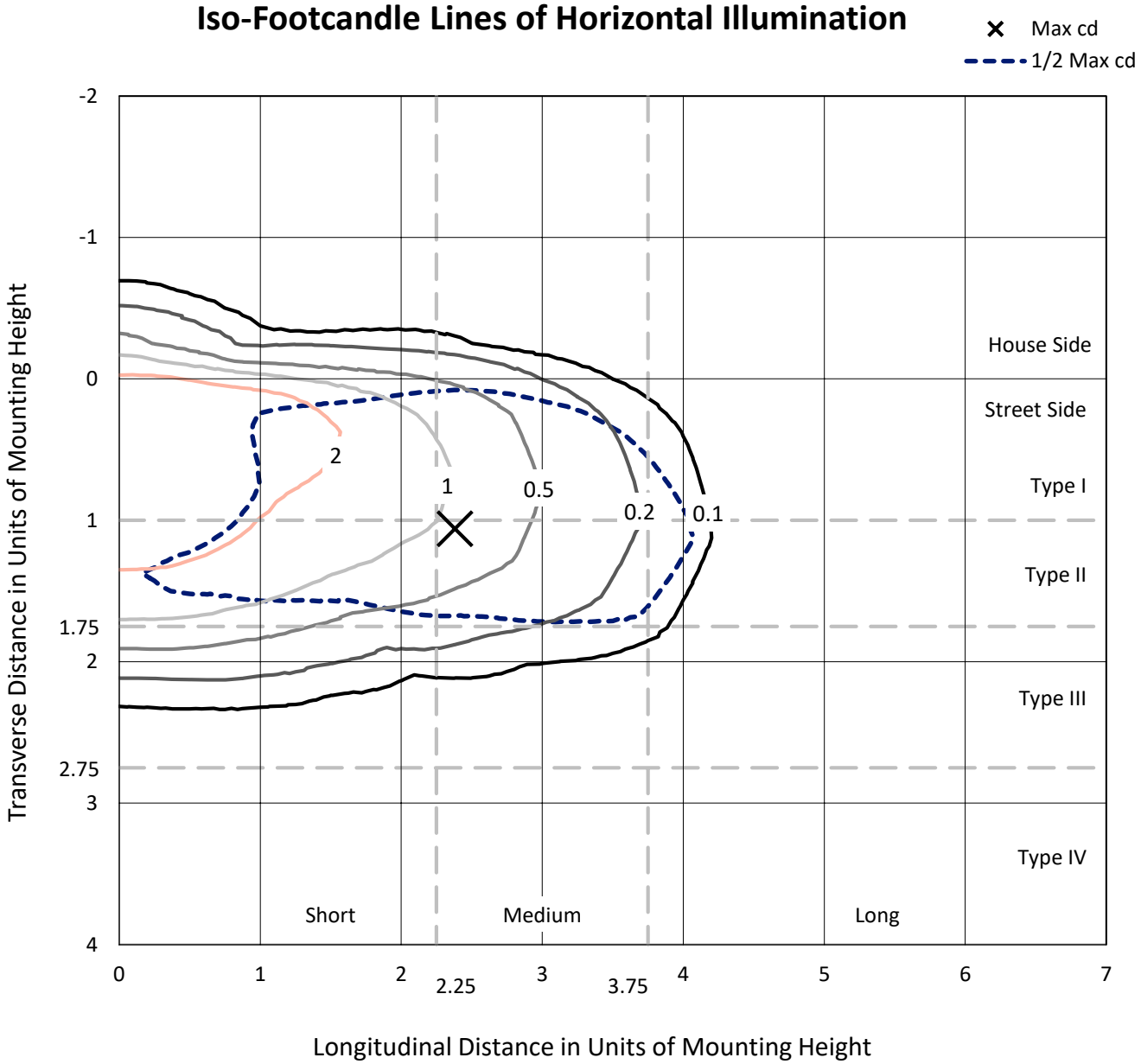
Scaled Data Report

REPORT NUMBER: P322087
CATALOG NUMBER: GLEON-SA3C-830-U-T2-HSS

Iso-Footcandle Lines of Horizontal Illumination



Based on 25 foot mounting height. Maximum calculated value = 3.7 fc
Type II - Medium - N/A

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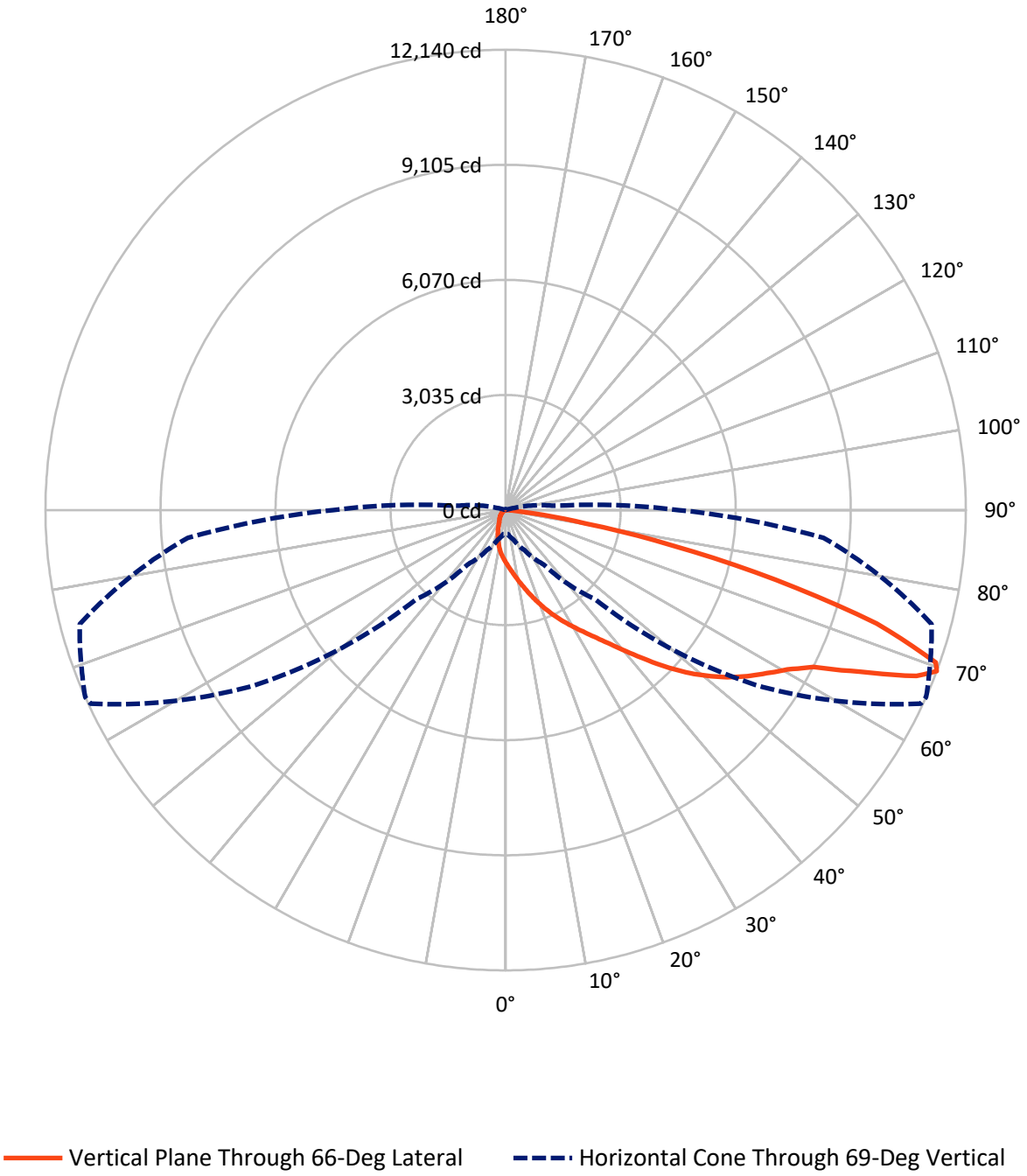
Luminous Intensity Polar Plot



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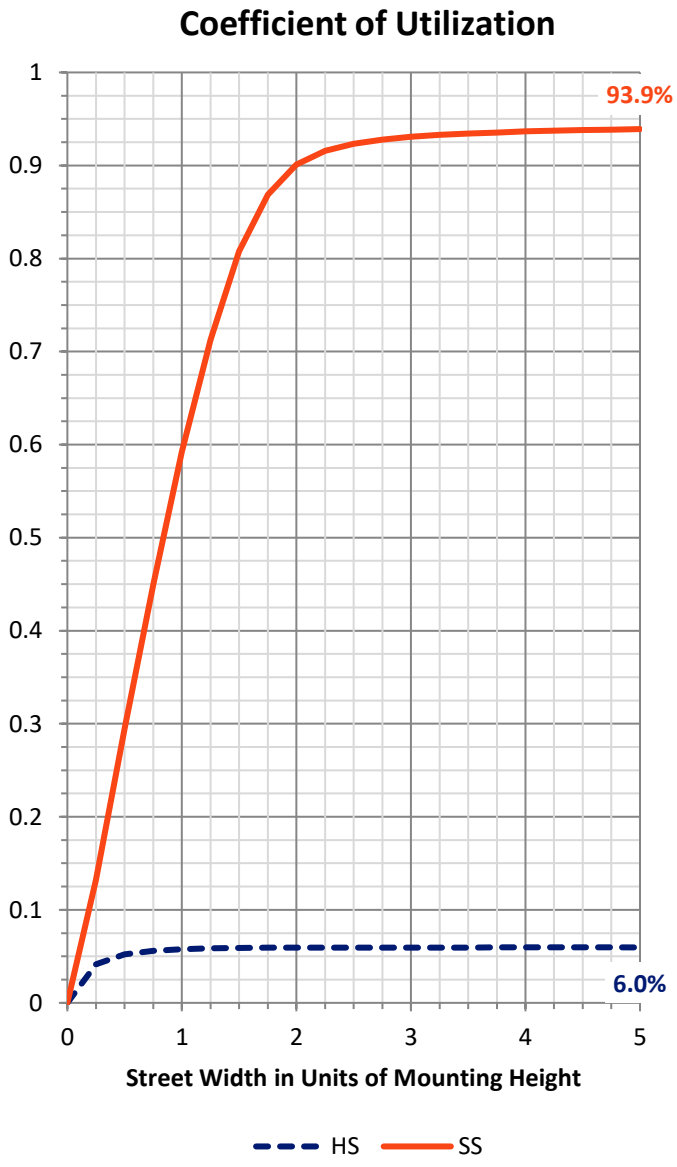
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	732.3	0.0	732.3
	% Fixture	6.0	0.0	6.0
Street Side	Lumens	11474.8	0.0	11474.8
	% Fixture	94.0	0.0	94.0
Total	Lumens	12207.0	0.0	12207.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	134.3	1.1
10°-20°	399.7	3.3
20°-30°	695.9	5.7
30°-40°	1221.0	10.0
40°-50°	2043.8	16.7
50°-60°	3004.2	24.6
60°-70°	3084.6	25.3
70°-80°	1522.8	12.5
80°-90°	100.7	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°	12207.0	100.0
0°-180°	12207.0	100.0



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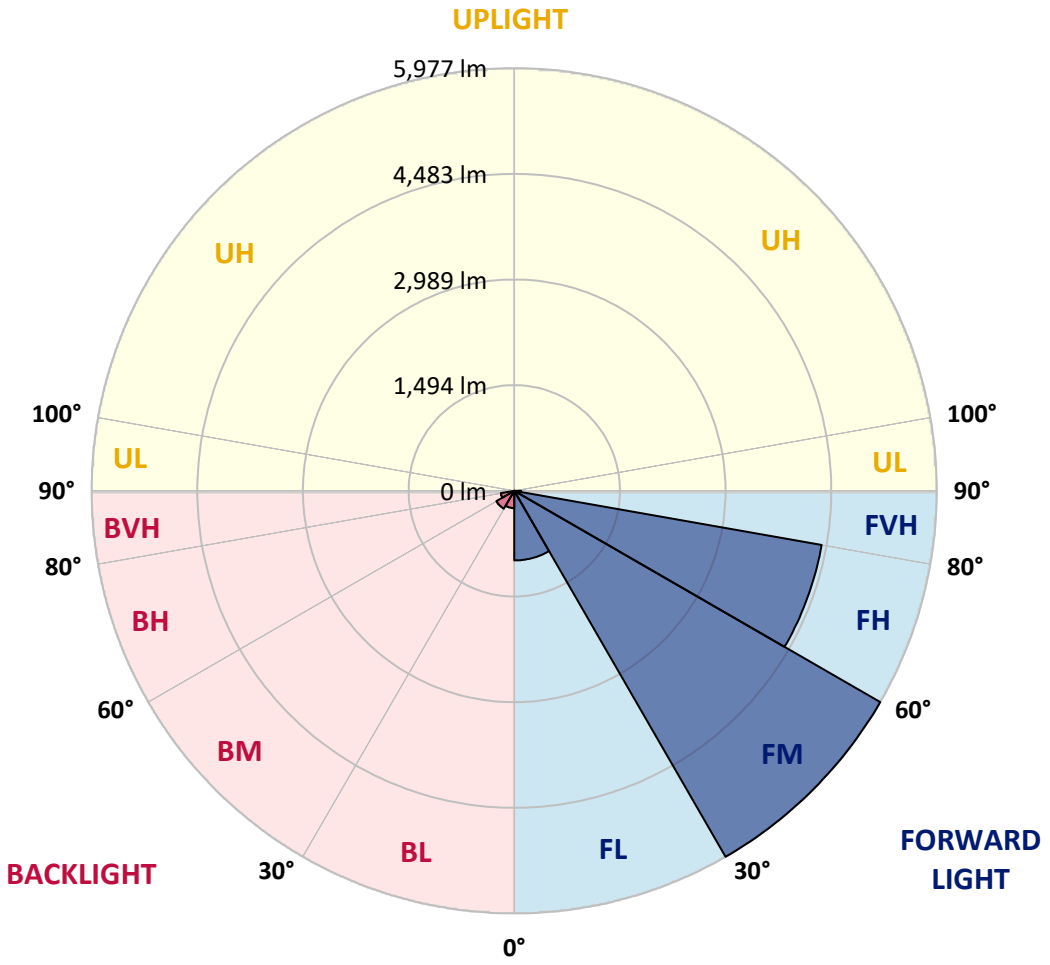
LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	985.0	8.1			
FM	(30°-60°)	5977.1	49.0			
FH	(60°-80°)	4414.4	36.2			G2/5000
FVH	(80°-90°)	98.3	0.8			G1/100
BL	(0°-30°)	244.9	2.0	B1/500		
BM	(30°-60°)	292.0	2.4	B1/1000		
BH	(60°-80°)	193.0	1.6	B1/500		G1/500
BVH	(80°-90°)	2.4	0.0			G0/10
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G2
Type II Medium



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REPORT NUMBER: P322087
CATALOG NUMBER: GLEON-SA3C-830-U-T2-HSS

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	66°	75°	85°
0°	1389.2	1389.2	1389.2	1389.2	1389.2	1389.2	1389.2	1389.2	*1389.2*	1389.2	1389.2
2.5°	1635.0	1628.1	1625.2	1612.4	1590.4	1573.6	1541.1	1503.4	*1496.5*	1459.9	1415.3
5°	1847.2	1841.4	1837.4	1819.4	1796.8	1754.5	1695.3	1625.2	*1611.8*	1542.3	1453.0
7.5°	1995.1	2005.5	2005.5	1993.9	1965.5	1933.6	1861.2	1765.5	*1748.7*	1642.0	1503.4
10°	2081.5	2094.2	2104.1	2113.9	2109.9	2097.1	2028.7	1920.9	*1900.6*	1759.1	1562.0
12.5°	2089.6	2102.3	2130.2	2171.3	2211.3	2240.3	2197.4	2093.1	*2069.9*	1894.8	1631.6
15°	2044.4	2057.7	2100.6	2180.6	2277.4	2362.1	2376.0	2283.8	*2260.1*	2056.5	1718.5
17.5°	1965.5	1974.2	2035.7	2146.4	2298.3	2453.7	2537.8	2488.5	*2466.5*	2241.5	1815.3
20°	1907.0	1913.3	1967.3	2086.1	2285.6	2511.1	2690.8	2705.9	*2682.7*	2439.8	1920.3
22.5°	2007.3	2018.9	2020.6	2076.8	2250.8	2539.5	2825.4	2919.9	*2902.5*	2650.3	2023.5
25°	2281.5	2294.8	2250.8	2216.0	2280.3	2552.3	2940.7	3139.0	*3125.1*	2877.0	2127.3
27.5°	2643.9	2657.8	2601.0	2497.2	2435.2	2600.4	3043.4	3361.7	*3361.1*	3117.0	2239.2
30°	2999.9	3013.8	2955.8	2852.0	2709.4	2736.6	3132.1	3594.7	*3598.2*	3364.6	2358.0
32.5°	3373.3	3390.7	3330.9	3197.6	3048.6	2972.0	3256.7	3829.0	*3848.7*	3651.6	2492.0
35°	3797.7	3800.0	3715.9	3576.2	3404.6	3286.9	3456.8	4091.6	*4138.6*	4007.0	2661.9
37.5°	4214.0	4230.8	4161.8	3941.5	3783.8	3650.4	3754.2	4419.8	*4486.5*	4441.3	2883.9
40°	4522.4	4557.8	4547.9	4310.2	4160.6	4065.5	4123.5	4810.0	*4894.7*	4946.8	3164.0
42.5°	4716.1	4742.7	4788.0	4644.8	4509.1	4524.7	4559.5	5264.6	*5368.9*	5523.2	3485.7
45°	4938.1	4950.9	4988.6	4925.4	4833.8	4991.5	5022.2	5776.5	*5886.1*	6143.0	3842.9
47.5°	5209.5	5239.6	5250.1	5192.1	5150.3	5404.3	5468.1	6242.1	*6395.8*	6806.8	4220.9
50°	5555.0	5563.2	5581.1	5543.4	5501.7	5759.1	5868.1	6730.9	*6870.6*	7473.0	4593.7
52.5°	5893.1	5922.1	5984.7	5960.9	5944.1	6061.2	6224.7	7171.5	*7327.5*	8028.5	4966.0
55°	5990.5	6015.4	6231.7	6379.5	6516.3	6433.4	6565.6	7566.4	*7735.1*	8524.8	5324.3
57.5°	5601.4	5651.9	6026.4	6411.4	6979.0	7012.1	7034.1	7971.6	*8123.0*	8905.1	5697.1
60°	4618.1	4627.9	5242.5	5902.9	6902.5	7517.1	7718.3	8407.1	*8534.0*	9259.4	6143.5
62.5°	2937.3	3037.6	3711.9	4644.2	6093.1	7444.0	8545.6	9065.7	*9112.1*	9684.4	6783.6
65°	1399.1	1464.0	1949.9	2869.4	4413.4	6508.8	9116.7	10257.2	*10278.1*	10526.8	7638.8
67.5°	774.6	805.9	1037.3	1544.6	2580.1	4603.0	8886.0	11668.4	*11688.1*	11387.2	8389.1
69°	*605.9*	*632.6*	*814.6*	*1164.2*	*1749.3*	*3308.3*	*8041.2*	*12081.8*	*12140.4*	*11633.6*	*8415.8*
70°	514.3	540.4	701.6	983.3	1406.6	2556.3	7157.6	11979.2	*12041.2*	11610.5	8216.9
72.5°	314.8	329.9	467.3	692.3	942.8	1286.0	4414.0	10130.8	*10235.8*	10650.3	7061.9
75°	212.2	220.3	292.2	477.8	674.3	662.1	2293.1	7140.8	*7368.1*	8284.7	5215.9
77.5°	151.9	159.4	196.0	309.0	472.5	437.2	1038.4	4437.8	*4486.5*	4968.9	2844.5
80°	86.4	93.3	138.6	183.8	320.6	291.6	412.8	2119.7	*2144.1*	2130.8	949.7
82.5°	45.2	51.0	76.0	121.2	205.8	190.8	171.6	709.7	*713.2*	593.1	208.1
85°	8.7	10.4	37.7	82.9	106.1	82.9	70.2	166.4	*169.9*	150.2	51.6
87.5°	0.0	0.6	15.1	18.6	20.9	21.5	22.6	32.5	*34.8*	47.0	13.9
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: P322087
CATALOG NUMBER: GLEON-SA3C-830-U-T2-HSS

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1389.2	1389.2	1389.2	1389.2	1389.2	1389.2	1389.2	1389.2	1389.2	1389.2	1389.2
2.5°	1395.6	1374.7	1334.7	1288.3	1252.4	1217.0	1189.2	1160.2	1149.7	1144.5	1143.9
5°	1409.5	1365.4	1280.8	1193.8	1122.5	1055.2	1007.1	961.3	939.9	930.0	925.9
7.5°	1432.7	1361.9	1225.7	1092.9	990.3	906.2	839.5	789.7	764.8	754.3	750.3
10°	1459.9	1357.3	1161.3	986.2	855.2	768.2	702.1	652.9	625.6	614.0	608.2
12.5°	1491.8	1349.2	1087.1	878.4	739.8	652.9	572.8	512.0	480.7	467.3	460.9
15°	1531.2	1341.1	1009.4	776.9	638.4	532.3	444.7	403.5	397.2	394.8	395.4
17.5°	1570.1	1328.3	924.8	676.6	531.7	415.7	371.1	368.8	369.9	369.9	369.9
20°	1604.9	1299.3	832.6	590.8	430.2	350.8	341.5	337.4	334.5	332.2	329.3
22.5°	1632.1	1260.5	743.9	505.6	351.4	321.2	306.7	294.0	283.5	276.6	273.1
25°	1650.7	1208.9	662.7	423.8	316.0	292.2	266.1	244.7	228.4	218.6	214.5
27.5°	1664.6	1153.2	590.2	354.8	291.6	258.6	224.4	198.9	182.1	173.4	169.9
30°	1674.5	1090.0	526.5	311.9	264.4	223.2	186.7	161.8	149.6	144.9	142.6
32.5°	1683.7	1019.9	466.2	291.6	238.9	190.8	156.5	137.4	129.9	124.1	122.3
35°	1706.9	954.9	408.8	270.2	212.8	162.9	134.5	120.6	113.1	109.6	108.4
37.5°	1762.0	906.8	353.7	248.2	186.7	140.9	117.7	107.8	100.9	97.4	96.2
40°	1850.7	882.5	307.3	224.4	161.2	124.1	106.7	97.4	89.9	84.7	83.5
42.5°	1981.2	885.9	274.8	200.6	140.9	110.7	96.2	85.2	77.1	72.5	71.3
45°	2139.5	911.4	252.2	177.4	124.1	100.3	84.7	73.1	65.5	61.5	60.3
47.5°	2311.1	952.6	233.7	156.5	110.7	90.4	73.1	60.9	54.5	51.0	50.4
50°	2492.0	992.6	214.5	136.3	99.1	80.6	61.5	50.4	45.2	42.3	41.2
52.5°	2675.2	1039.0	197.1	117.7	89.3	69.0	51.0	41.2	37.1	34.8	33.6
55°	2872.3	1073.8	180.3	103.2	79.4	58.6	42.3	34.2	30.7	27.8	27.3
57.5°	3104.2	1127.7	162.9	89.3	67.8	48.7	34.8	27.3	24.4	21.5	20.9
60°	3417.3	1190.9	144.4	78.9	55.7	40.0	28.4	22.0	18.6	16.2	15.7
62.5°	3830.1	1261.1	121.2	69.0	45.2	32.5	22.6	17.4	13.3	10.4	10.4
65°	4353.7	1375.3	99.1	58.0	37.1	26.7	17.4	12.8	7.5	4.6	4.6
67.5°	4659.3	1395.0	80.0	47.5	30.1	22.6	14.5	8.7	2.3	0.6	0.0
69°	*4561.3*	*1280.8*	*67.8*	*40.6*	*26.1*	*21.5*	*13.3*	*6.4*	*1.2*	*0.0*	*0.0*
70°	4376.9	1171.2	59.7	35.9	23.8	20.3	12.8	4.6	1.2	0.0	0.0
72.5°	3616.8	833.7	45.2	26.7	17.4	18.0	11.6	2.9	1.2	0.0	0.0
75°	2634.6	506.7	32.5	18.6	11.0	13.3	8.1	1.2	0.6	0.0	0.0
77.5°	1465.7	238.9	20.3	10.4	7.0	8.1	4.1	0.0	0.0	0.0	0.0
80°	476.0	64.9	9.3	5.8	4.1	4.6	1.7	0.0	0.0	0.0	0.0
82.5°	88.1	18.6	5.2	2.9	1.2	1.2	0.0	0.0	0.0	0.0	0.0
85°	19.1	7.5	2.9	1.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	6.4	2.3	0.6	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

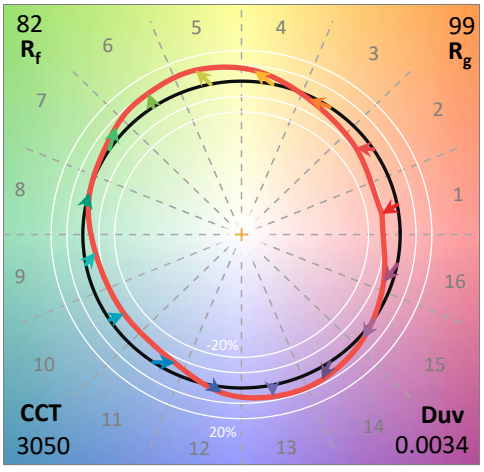
Test Information

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

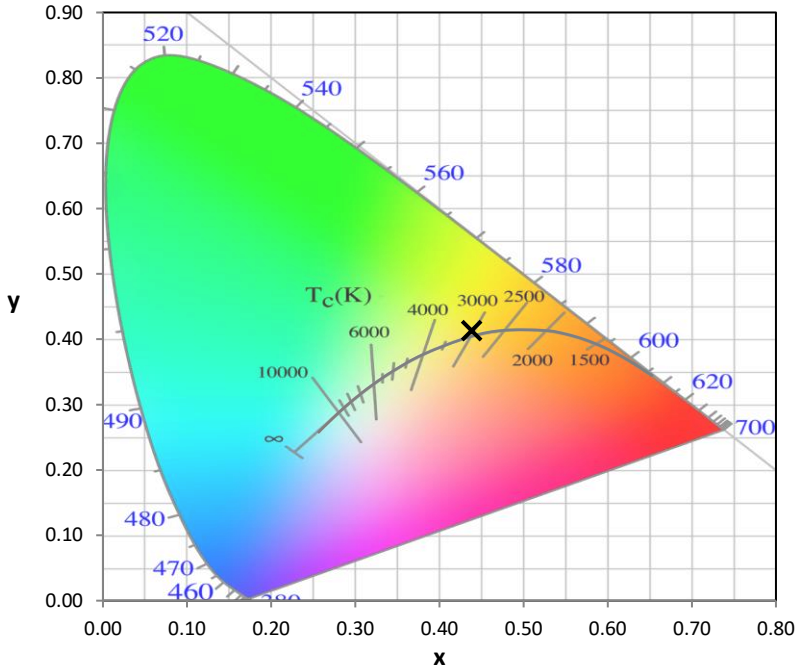
Stabilization Time:	20M
Operation Time:	1H 20M
Sphere Temperature (°C):	24.2

REPORT NUMBER: SP1-2408-195-9

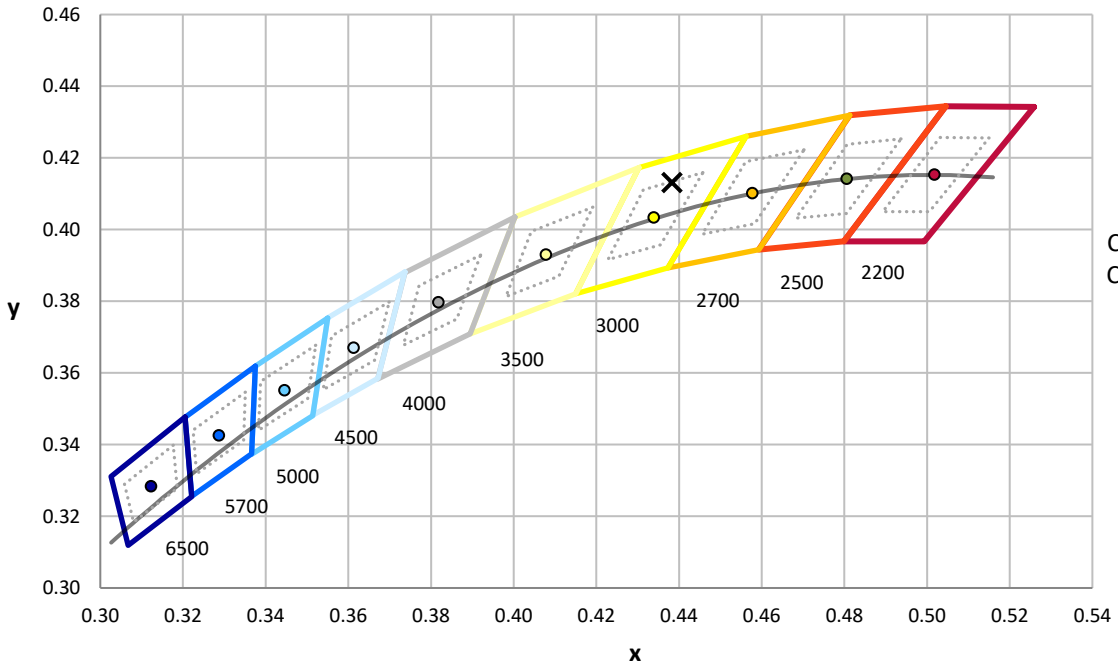
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

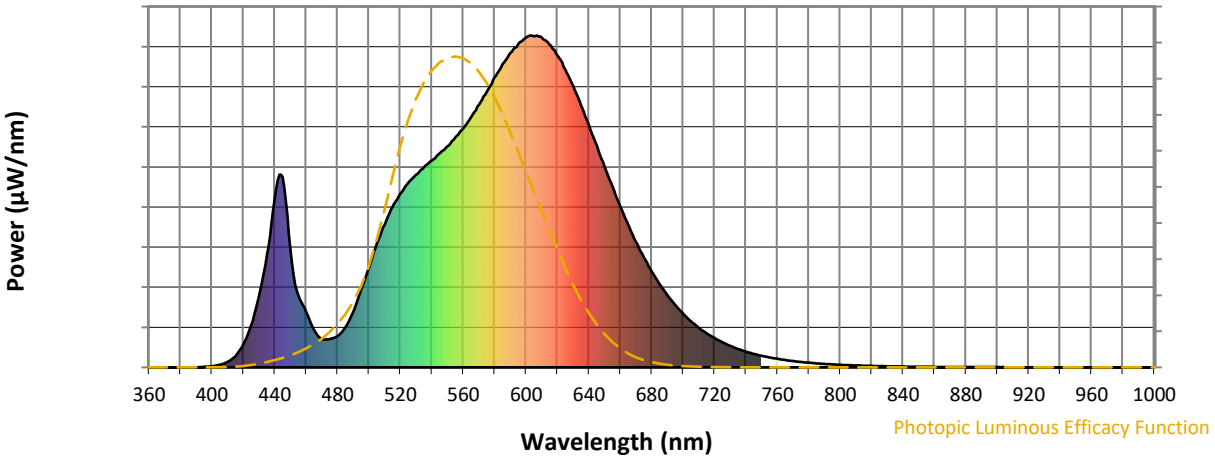


CCT = 3050K
CIE x = 0.4383
CIE y = 0.4131
Duv = 0.0034

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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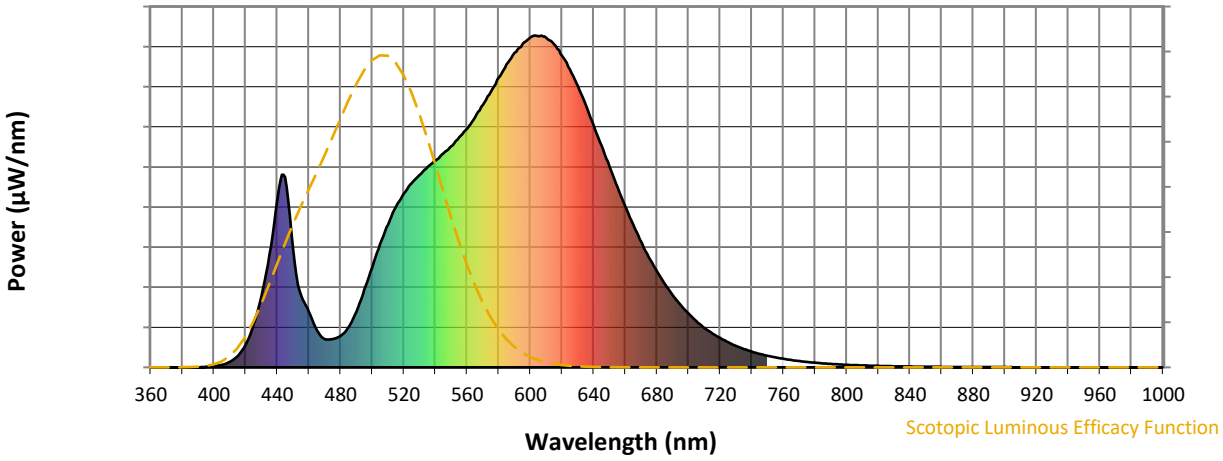
Scotopic Flux vs. Wavelength



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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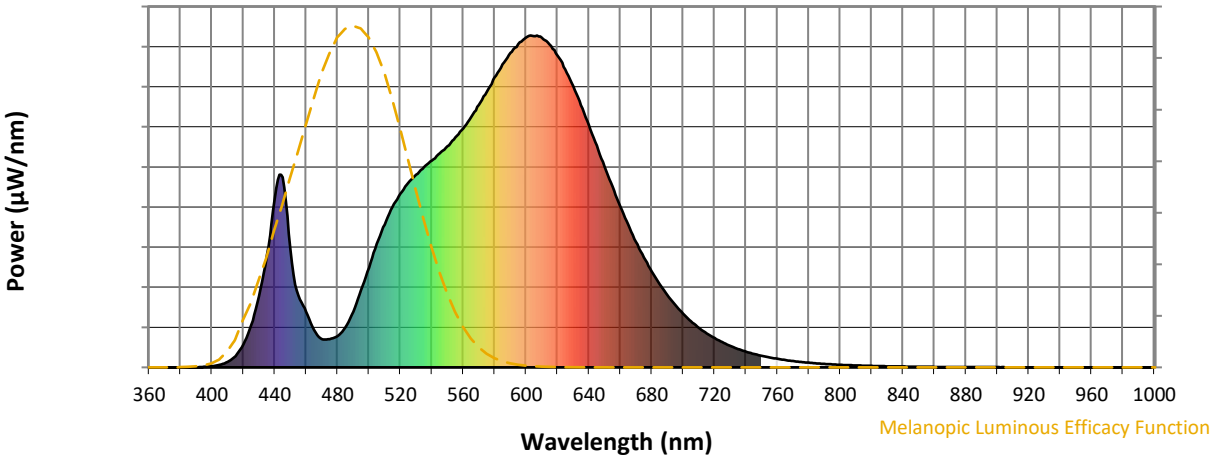
Melanopic Flux vs. Wavelength



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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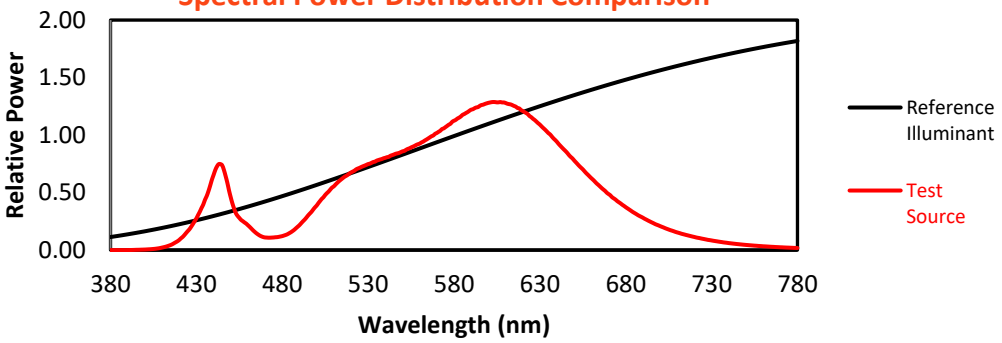
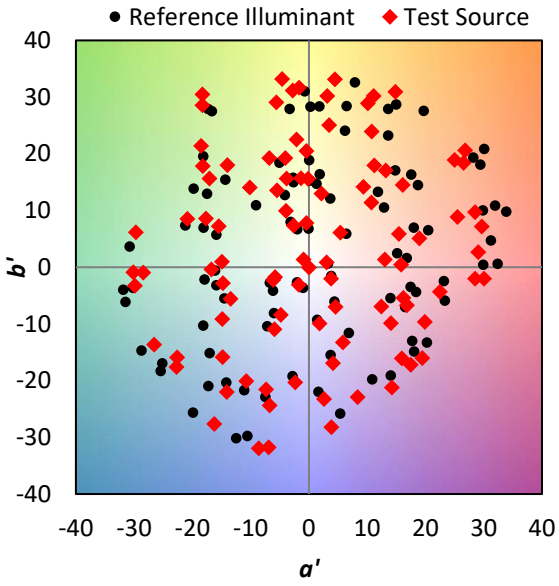
Summary

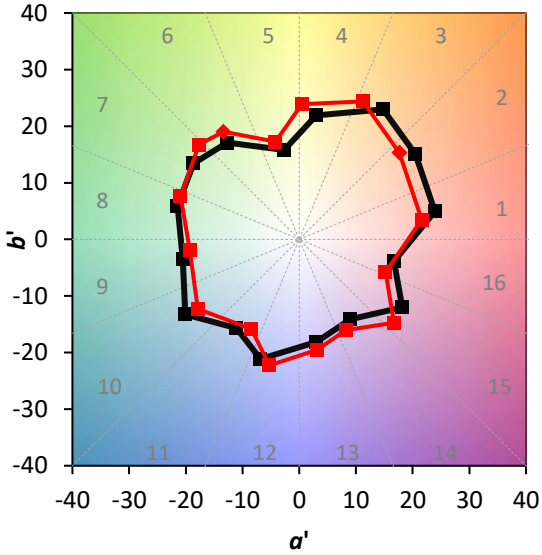
R_f = 81.5
R_g = 99.2
CIE R_a = 81.0
R_9 = 7.1

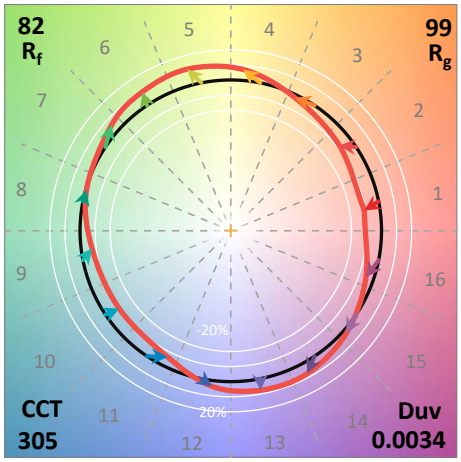
Spectral Power Distribution Comparison

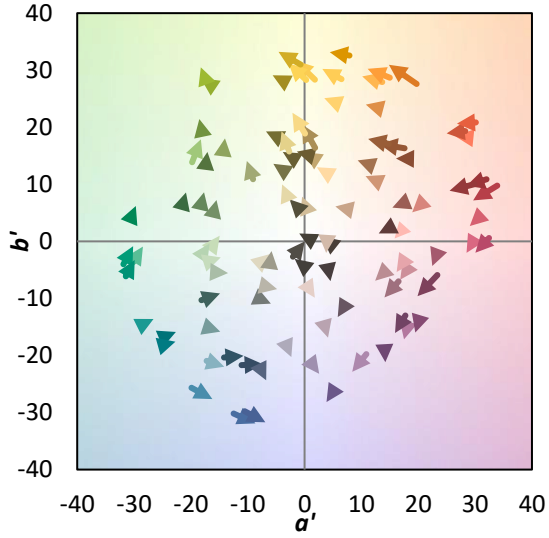


Color Vector Graphics









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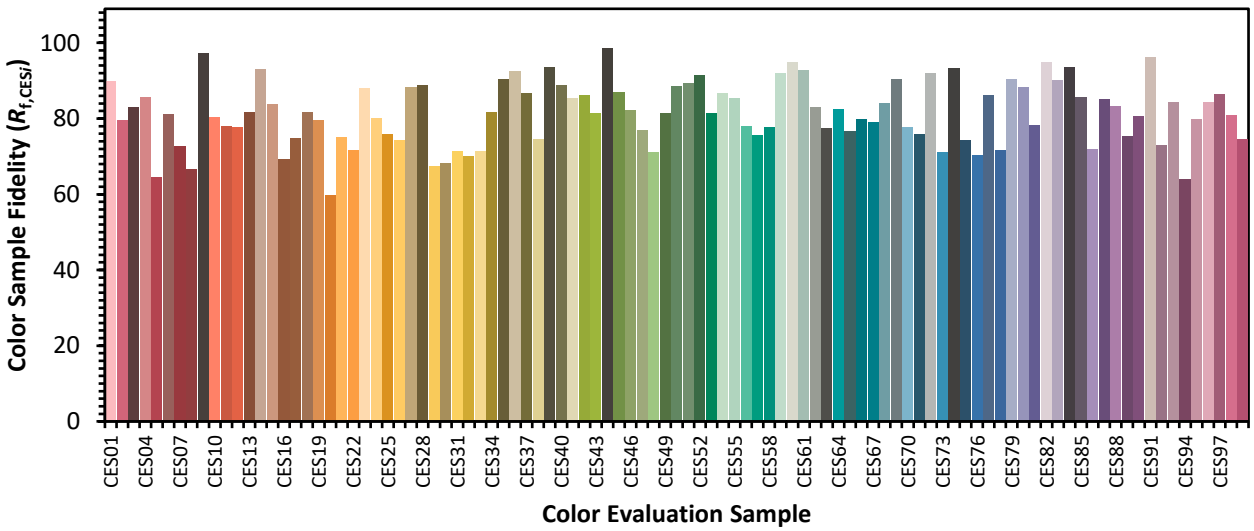
Individual Sample Fidelity Index ($R_{f,i}$)

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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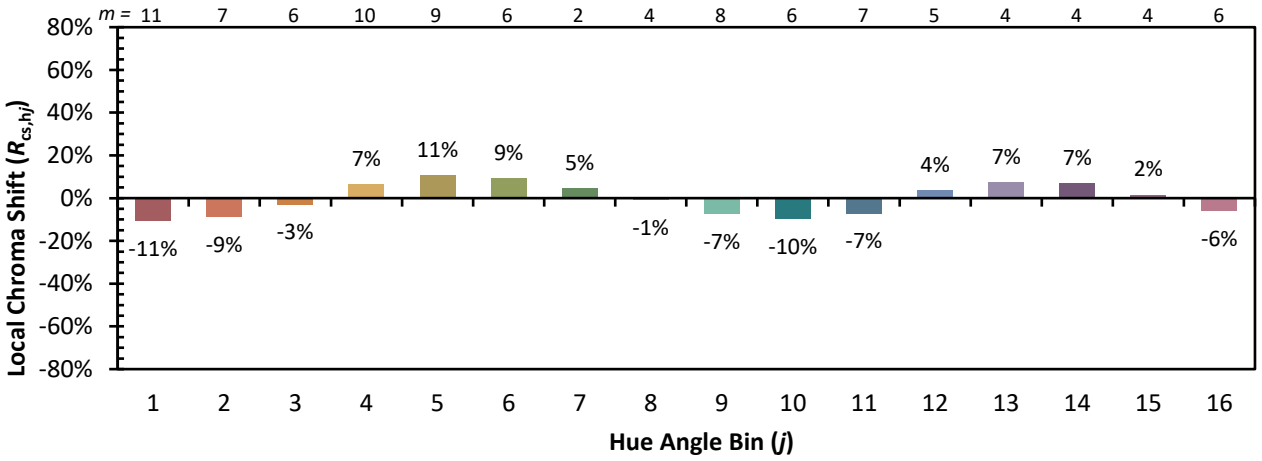
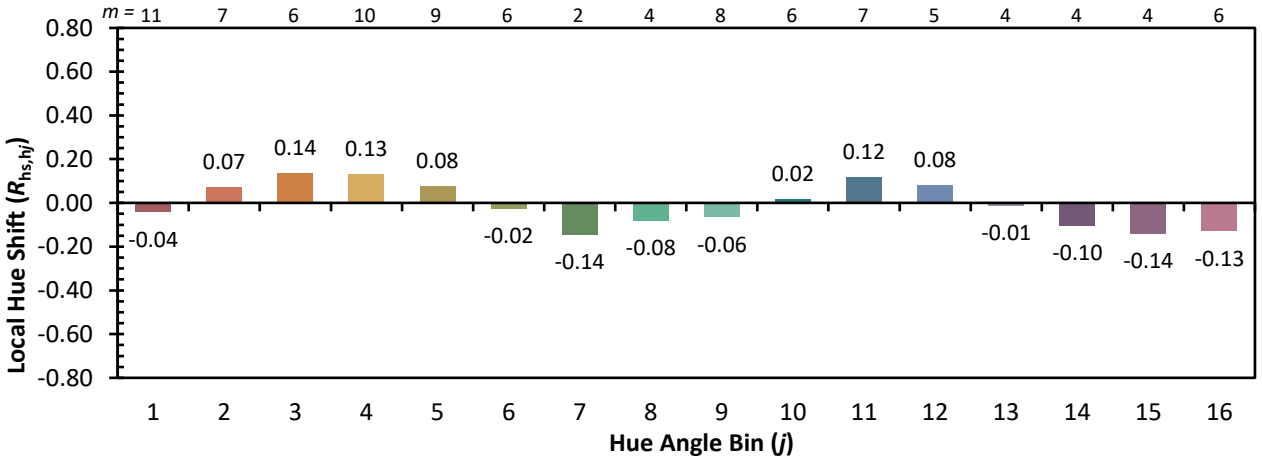
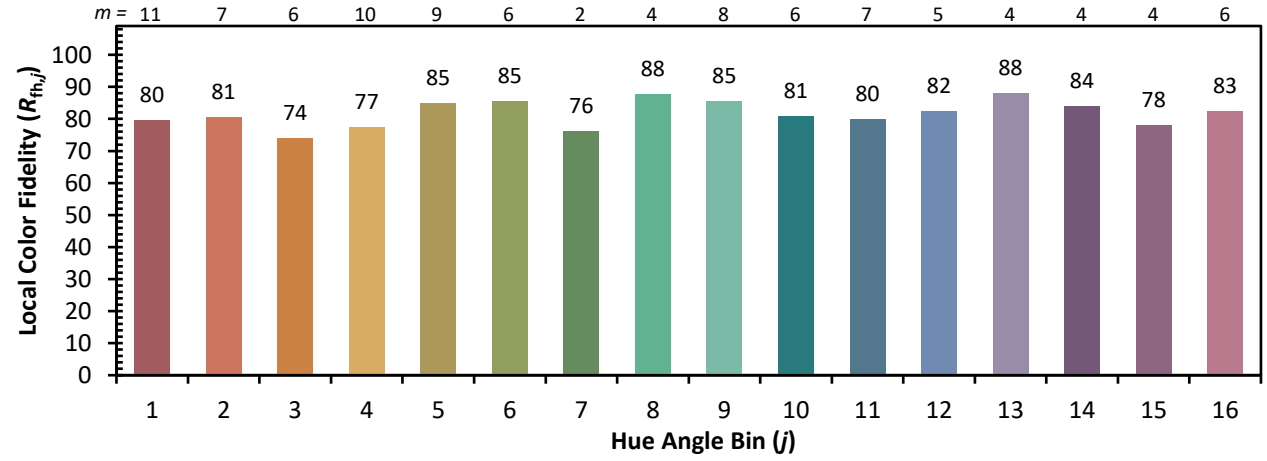
Color Rendition by Hue-Angle Bin







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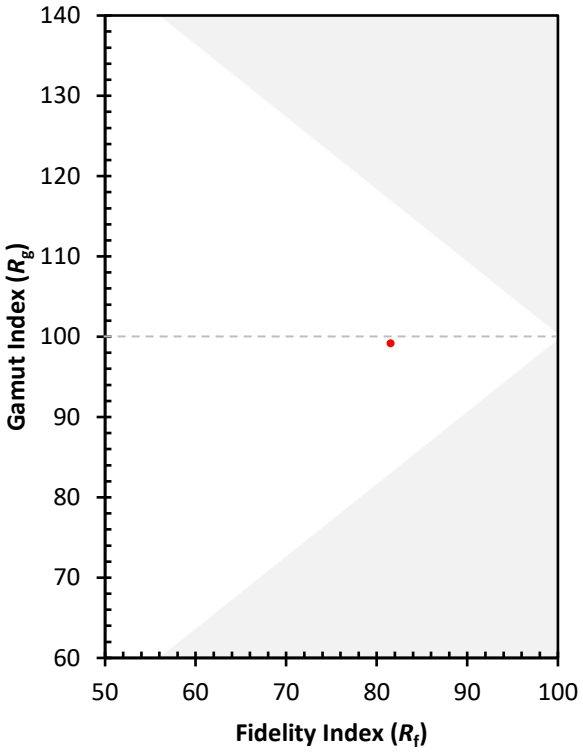
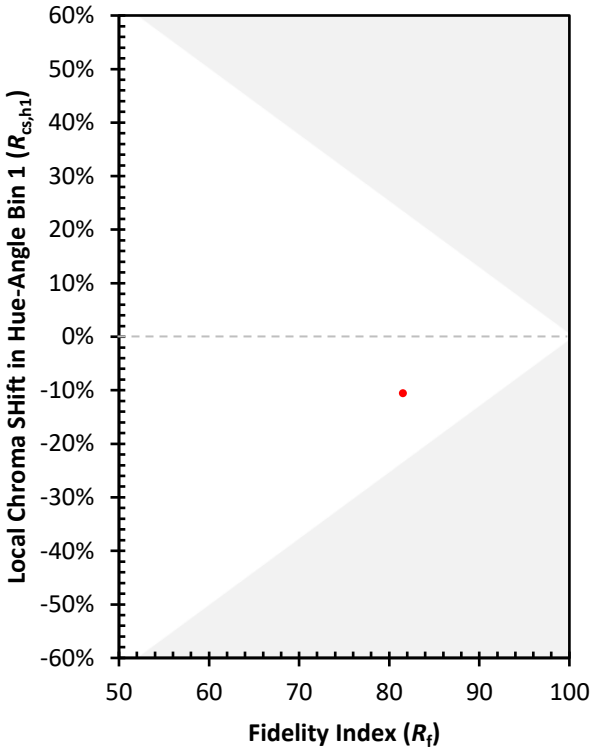
Measure Comparisons





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