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: P319863

Luminaire Tested: **GLEON-SA9D-830-U-SL3**

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:	P319863
	TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-22)
Test Lab:	INNOVATION CENTER
Issue Date:	3/3/2020
Manufacturer:	COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line:	McGRAW-EDISON
Catalog Number:	GLEON-SA9D-830-U-SL3
Description:	GALLEON AREA AND ROADWAY LUMINAIRE
	(9) 80 CRI, 3000K, 1200mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III SPILL LIGHT ELIMINATOR OPTICS
Light Source:	-
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	55126 lumens
Efficiency:	N/A
Efficacy:	95.9 lumens/watt
Luminous Opening:	Rectangular (W 2.5' x L: 1' x H: 0')
IES Classification:	Type III - Medium
BUG Rating:	B4 - U0 - G5

Input Watts (W):	575
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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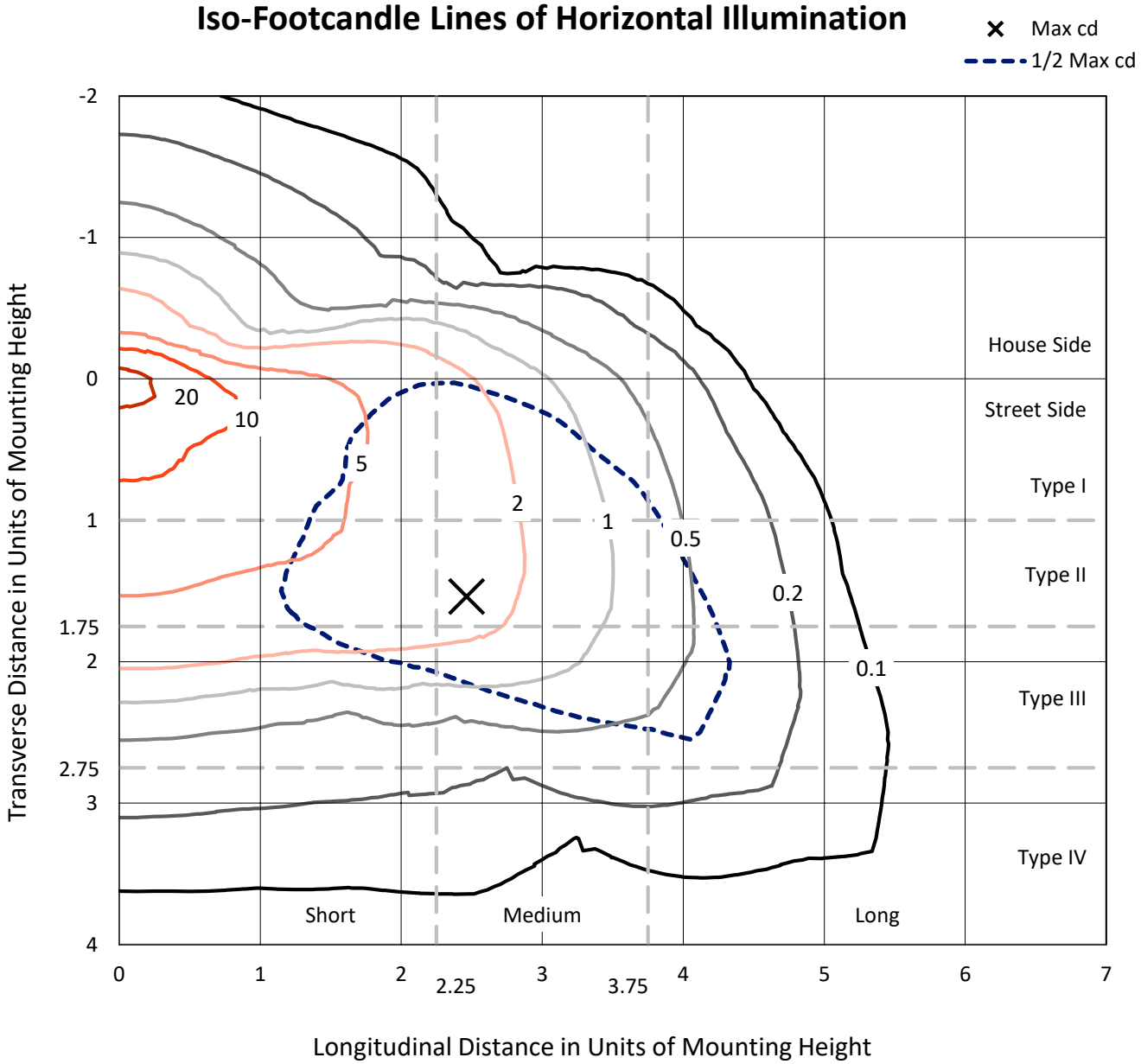
Scaled Data Report

REPORT NUMBER: P319863
CATALOG NUMBER: GLEON-SA9D-830-U-SL3

Iso-Footcandle Lines of Horizontal Illumination



Based on 25 foot mounting height. Maximum calculated value = 24.4 fc
Type III - Medium - N/A

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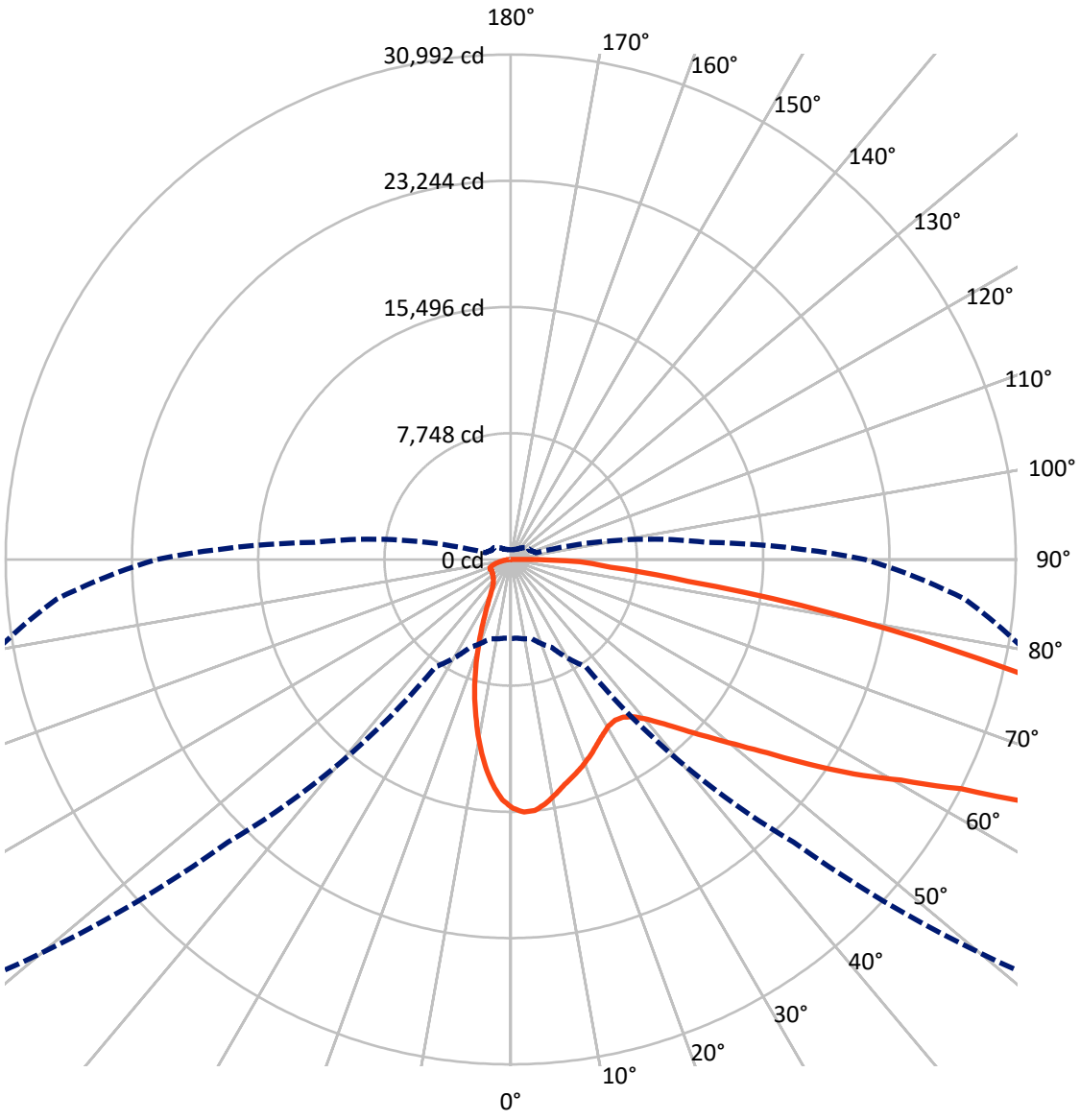
Luminous Intensity Polar Plot



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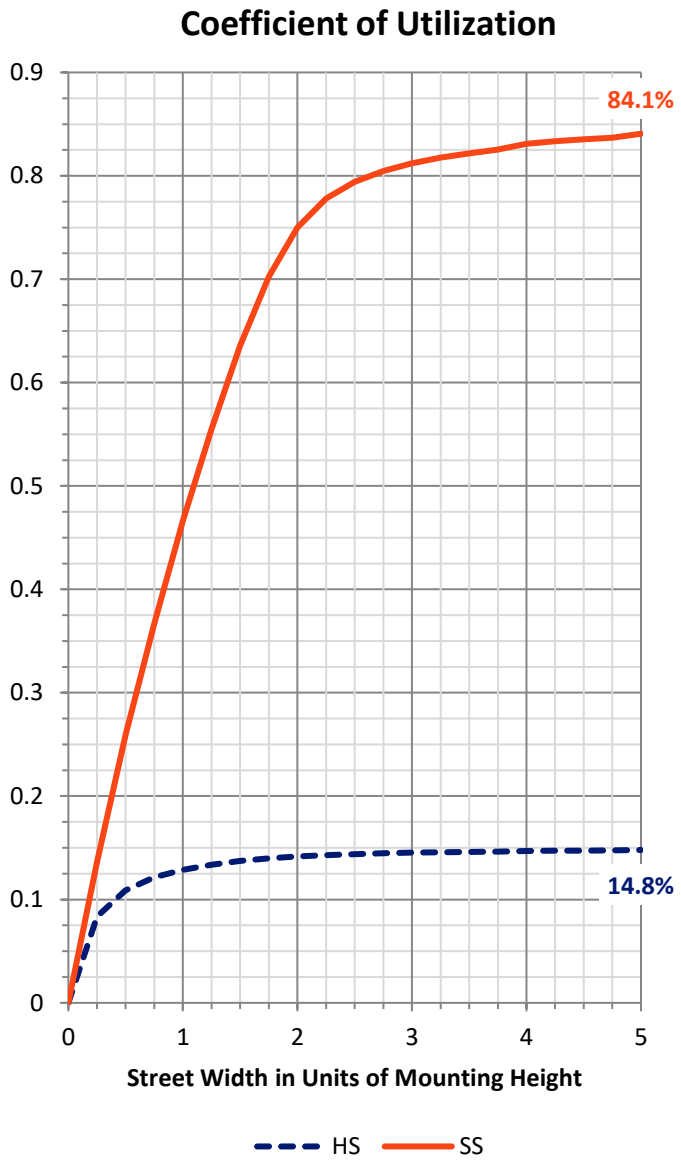
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	8241.7	0.0	8241.7
	% Fixture	15.0	0.0	15.0
Street Side	Lumens	46884.3	0.0	46884.3
	% Fixture	85.0	0.0	85.0
Total	Lumens	55126.0	0.0	55126.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1317.7	2.4
10°-20°	2930.0	5.3
20°-30°	3723.7	6.8
30°-40°	4743.2	8.6
40°-50°	6726.1	12.2
50°-60°	10408.9	18.9
60°-70°	14170.4	25.7
70°-80°	9453.3	17.1
80°-90°	1652.8	3.0
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°	55126.0	100.0
0°-180°	55126.0	100.0



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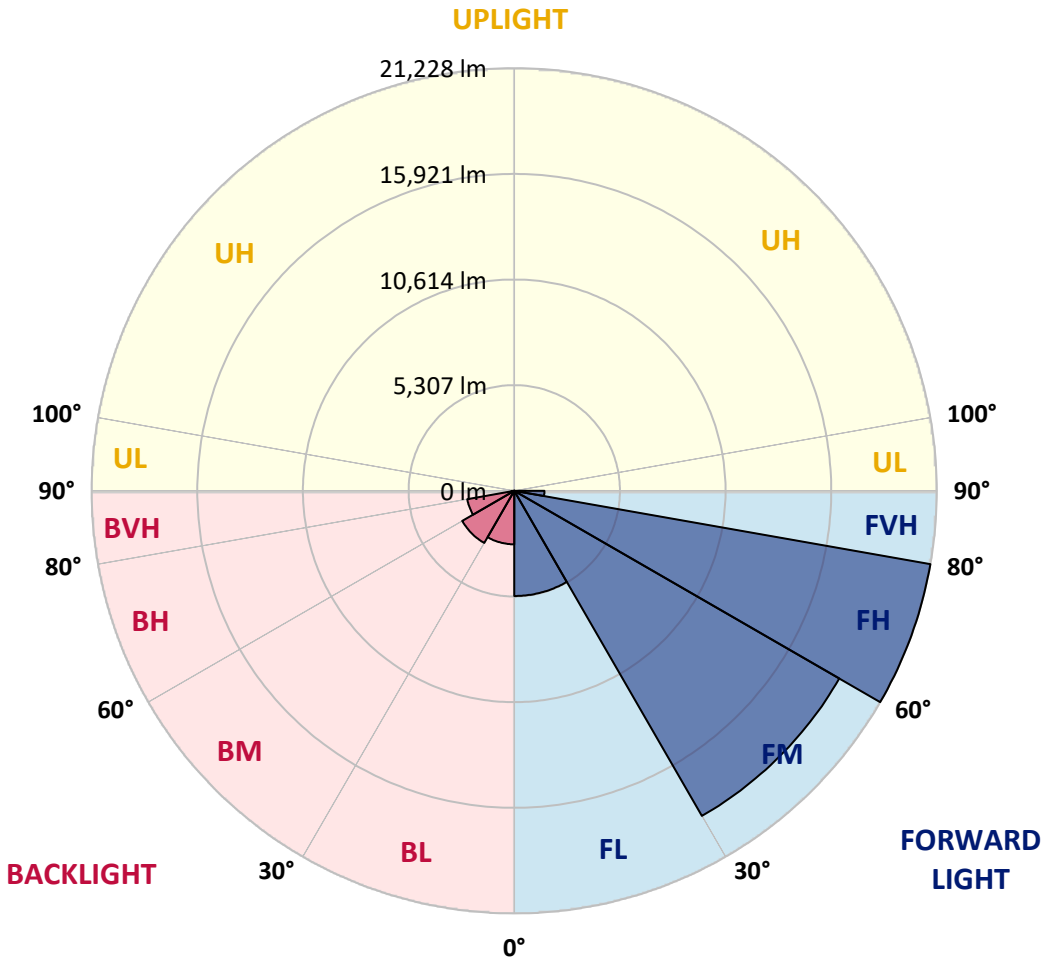
CATALOG NUMBER: GLEON-SA9D-830-U-SL3

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	5284.7	9.6			
FM	(30°-60°)	18855.8	34.2			
FH	(60°-80°)	21228.3	38.5			G5
FVH	(80°-90°)	1515.4	2.7			G5
BL	(0°-30°)	2686.6	4.9	B4/5000		
BM	(30°-60°)	3022.5	5.5	B3/5000		
BH	(60°-80°)	2395.4	4.3	B3/2500		G3/2500
BVH	(80°-90°)	137.3	0.2			G2/225
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B4-U0-G5
Type III Medium



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REPORT NUMBER: P319863
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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	58°	65°	75°	85°
0°	15273.6	15273.6	15273.6	15273.6	15273.6	15273.6	15273.6	*15273.6*	15273.6	15273.6	15273.6
2.5°	15678.8	15657.6	15665.3	15650.0	15613.5	15577.0	15523.2	*15532.8*	15457.9	15346.6	15208.3
5°	15383.0	15375.4	15433.0	15465.6	15492.5	15471.4	15456.0	*15475.2*	15365.8	15212.1	14972.1
7.5°	14762.8	14678.3	14751.3	14860.7	14964.4	15043.2	15146.9	*15160.3*	15091.2	14929.9	14614.9
10°	13881.4	13800.8	13908.3	14079.2	14286.6	14474.8	14684.1	*14722.5*	14735.9	14590.0	14207.9
12.5°	12967.4	12905.9	13013.5	13253.5	13597.2	13887.2	14221.3	*14278.9*	14398.0	14300.0	13831.5
15°	12149.4	12126.3	12256.9	12493.1	12888.6	13332.2	13814.2	*13919.8*	14121.4	14088.8	13537.7
17.5°	11442.7	11436.9	11536.8	11784.5	12222.3	12783.0	13409.0	*13587.6*	13887.2	13925.6	13295.7
20°	10916.6	10905.0	10974.2	11156.6	11607.8	12243.4	12971.2	*13217.0*	13649.1	13783.5	13046.1
22.5°	10634.3	10632.4	10634.3	10720.7	11089.4	11680.8	12544.9	*12844.5*	13416.7	13670.2	12769.6
25°	10586.3	10580.5	10538.3	10528.7	10738.0	11210.4	12122.5	*12452.8*	13195.9	13591.5	12506.5
27.5°	10711.1	10718.8	10663.1	10572.8	10615.1	10901.2	11755.7	*12109.0*	13019.2	13576.1	12324.1
30°	10970.3	10966.5	10918.5	10824.4	10741.8	10786.0	11494.6	*11847.9*	12900.2	13643.3	12199.3
32.5°	11256.4	11277.6	11268.0	11216.1	11093.2	10916.6	11415.8	*11761.5*	12865.6	13804.6	12145.5
35°	11600.2	11623.2	11692.3	11732.7	11588.6	11304.5	11584.8	*11884.4*	12965.5	14108.0	12231.9
37.5°	11926.6	11986.1	12180.1	12351.0	12228.1	11911.2	12034.1	*12247.3*	13274.6	14586.1	12464.3
40°	12303.0	12354.8	12671.7	13034.6	13015.4	12687.0	12758.1	*12900.2*	13820.0	15271.7	12884.8
42.5°	12673.6	12777.3	13236.2	13750.8	13898.7	13608.7	13722.0	*13796.9*	14588.1	16179.9	13618.3
45°	13167.1	13278.5	13916.0	14536.2	14881.9	14718.6	14899.1	*14927.9*	15553.9	17416.6	14684.1
47.5°	13914.1	14040.8	14783.9	15434.9	15963.0	15980.2	16277.9	*16266.4*	16759.9	18831.8	16026.3
50°	15077.7	15260.1	15868.9	16477.6	17118.9	17476.1	17873.6	*17817.9*	18205.8	20339.2	17572.1
52.5°	16602.4	16686.9	17138.1	17587.5	18384.4	19185.1	19755.4	*19705.5*	19845.7	21888.8	19327.2
55°	18182.8	18246.1	18432.4	18678.2	19749.7	21055.4	22261.3	*22182.6*	21827.4	23498.0	21061.2
57.5°	19603.7	19732.4	19861.0	19962.8	21124.6	23010.2	24824.9	*24830.6*	23978.0	25233.9	22852.8
60°	19824.6	19937.8	20788.5	21591.2	23476.9	25617.9	27568.9	*27511.3*	26203.6	27117.6	24849.8
62.5°	17524.1	17779.5	19200.5	21335.8	25742.7	30387.8	31069.5	*30998.4*	28865.0	29439.2	27175.2
65°	12558.4	12848.3	14563.1	17771.8	24644.4	35643.5	37387.1	*36430.8*	32494.3	32294.6	29898.1
67.5°	7245.1	7314.2	8057.3	10634.3	18764.6	35918.1	47024.8	*45686.3*	38130.2	35534.0	31230.8
70°	5357.5	5355.5	5532.2	6544.2	10154.2	29314.4	51608.4	*52808.5*	44063.7	36599.8	29347.0
71°	*4844.8*	*4850.5*	*5048.3*	*5956.6*	*8042.0*	*24536.8*	*50634.8*	*53261.7*	*45626.8*	*36073.6*	*27983.7*
72.5°	4143.9	4163.1	4437.7	5342.1	6765.0	16921.2	46441.0	*50542.6*	46368.0	34775.5	25850.3
75°	3143.4	3187.6	3567.8	4503.0	6183.2	8581.6	34084.3	*40359.6*	41191.1	30685.4	19208.2
77.5°	2242.8	2292.8	2722.9	3786.7	5877.9	6467.4	22825.9	*29439.2*	30312.9	19665.2	8664.1
80°	1417.1	1476.7	1801.2	3012.9	5522.6	6140.9	14344.2	*19788.1*	16529.4	6292.6	2204.4
82.5°	831.5	877.5	1117.6	1968.2	4510.6	5914.3	8439.5	*10968.4*	6432.8	1901.0	1002.4
85°	482.0	503.1	697.0	1253.9	3275.9	5582.1	6200.5	*6131.3*	2792.0	929.4	474.3
87.5°	224.7	249.6	412.9	654.8	1818.5	4045.9	4900.5	*4234.1*	1735.9	435.9	222.7
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: P319863
CATALOG NUMBER: GLEON-SA9D-830-U-SL3

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	15273.6	15273.6	15273.6	15273.6	15273.6	15273.6	15273.6	15273.6	15273.6	15273.6	15273.6
2.5°	15141.1	15108.4	14972.1	14851.1	14724.4	14559.3	14376.8	14353.8	14242.4	14263.5	14225.1
5°	14841.5	14759.0	14430.6	14133.0	13781.6	13466.6	13124.8	12967.4	12740.8	12725.4	12667.8
7.5°	14413.3	14259.7	13750.8	13186.3	12621.7	12084.1	11552.2	11202.7	10845.5	10693.8	10680.4
10°	13931.3	13670.2	12921.3	12086.0	11271.8	10486.4	9726.0	9163.4	8656.4	8416.4	8406.8
12.5°	13474.3	13088.4	12061.0	10924.2	9810.5	8792.8	7750.1	7010.8	6375.2	6162.0	6071.8
15°	13086.4	12543.0	11223.8	9770.2	8418.3	7005.0	5818.3	5040.6	4453.0	4249.5	4211.1
17.5°	12710.1	12011.1	10365.5	8604.6	6970.5	5417.0	4228.4	3650.4	3337.4	3254.8	3252.9
20°	12335.6	11463.8	9468.7	7412.1	5570.6	4051.7	3251.0	2991.7	2886.1	2876.5	2861.2
22.5°	11911.2	10883.9	8525.9	6215.8	4347.4	3185.7	2763.2	2659.5	2646.1	2680.7	2680.7
25°	11513.8	10307.8	7569.6	5044.5	3381.5	2657.6	2467.5	2446.4	2482.9	2544.3	2550.1
27.5°	11143.2	9752.9	6636.3	4003.7	2709.5	2340.8	2262.0	2287.0	2352.3	2423.3	2425.3
30°	10837.8	9228.7	5730.0	3155.0	2288.9	2104.6	2091.1	2141.1	2212.1	2267.8	2281.2
32.5°	10601.6	8781.3	4854.4	2536.6	2014.3	1927.9	1939.4	1981.7	2025.9	2056.6	2077.7
35°	10492.2	8397.2	4045.9	2139.1	1839.6	1791.6	1806.9	1830.0	1849.2	1872.2	1889.5
37.5°	10511.4	8099.6	3323.9	1891.4	1722.5	1697.5	1697.5	1697.5	1697.5	1709.0	1710.9
40°	10690.0	7928.7	2736.3	1734.0	1643.7	1616.8	1595.7	1576.5	1561.2	1568.8	1565.0
42.5°	11147.0	7913.3	2306.2	1634.1	1580.4	1536.2	1493.9	1467.1	1447.9	1455.5	1459.4
45°	11922.8	8105.3	2016.3	1563.1	1520.8	1453.6	1399.9	1371.1	1357.6	1382.6	1386.4
47.5°	12927.1	8523.9	1839.6	1511.2	1465.1	1376.8	1319.2	1292.3	1296.2	1332.6	1342.2
50°	14221.3	9203.7	1755.1	1478.6	1426.7	1311.5	1252.0	1229.0	1240.5	1292.3	1303.8
52.5°	15642.3	10183.0	1764.7	1469.0	1401.8	1263.5	1200.1	1173.3	1192.5	1240.5	1250.1
55°	17282.2	11360.1	1924.1	1482.4	1365.3	1232.8	1157.9	1111.8	1127.2	1171.3	1179.0
57.5°	19104.5	12708.1	2244.8	1478.6	1319.2	1204.0	1113.7	1044.6	1056.1	1083.0	1090.7
60°	21001.7	14336.5	2742.1	1490.1	1298.1	1169.4	1054.2	967.8	964.0	987.0	990.8
62.5°	23279.1	16220.3	3310.5	1497.8	1311.5	1125.3	975.5	891.0	879.5	885.2	889.1
65°	25625.6	17583.6	3097.3	1467.1	1353.8	1088.8	906.4	816.1	795.0	791.1	793.1
67.5°	25698.6	16122.3	2171.8	1405.6	1371.1	1069.6	854.5	752.7	718.2	704.7	702.8
70°	23046.7	13098.0	1691.7	1340.3	1301.9	1038.8	806.5	700.9	649.0	627.9	626.0
71°	*21752.5*	*12057.2*	*1603.4*	*1307.7*	*1250.1*	*1008.1*	*785.4*	*677.8*	*624.1*	*601.0*	*597.2*
72.5°	19722.8	10809.0	1495.9	1255.8	1150.2	929.4	745.1	645.2	589.5	562.6	556.9
75°	14154.1	7068.4	1284.6	1119.5	952.4	741.2	652.9	579.9	531.9	499.3	495.4
77.5°	5453.5	2813.2	971.6	931.3	729.7	579.9	537.7	501.2	466.6	434.0	432.1
80°	1686.0	1257.8	708.6	700.9	528.1	432.1	418.6	409.0	395.6	361.0	353.3
82.5°	900.6	722.0	487.7	453.2	345.6	288.0	303.4	307.2	309.2	272.7	268.8
85°	430.1	382.1	274.6	257.3	201.6	161.3	186.3	201.6	203.5	167.1	155.5
87.5°	205.5	199.7	128.7	97.9	74.9	53.8	65.3	80.7	88.3	63.4	55.7
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

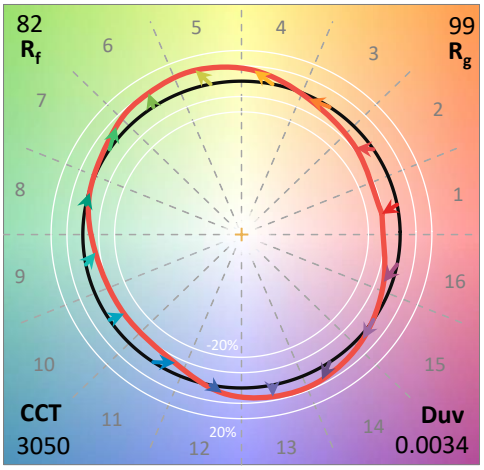
Test Information

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

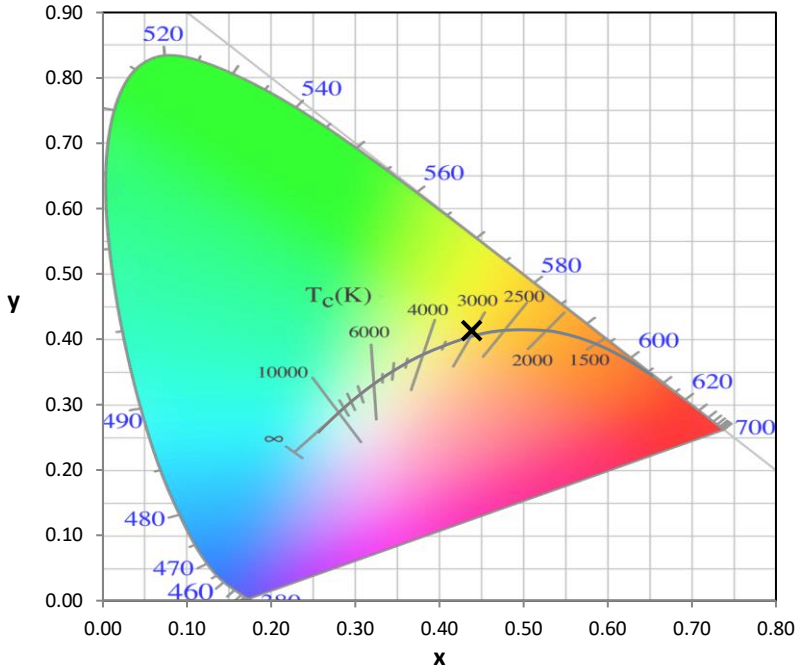
Stabilization Time:	20M
Operation Time:	1H 20M
Sphere Temperature (°C):	24.2

REPORT NUMBER: SP1-2408-195-9

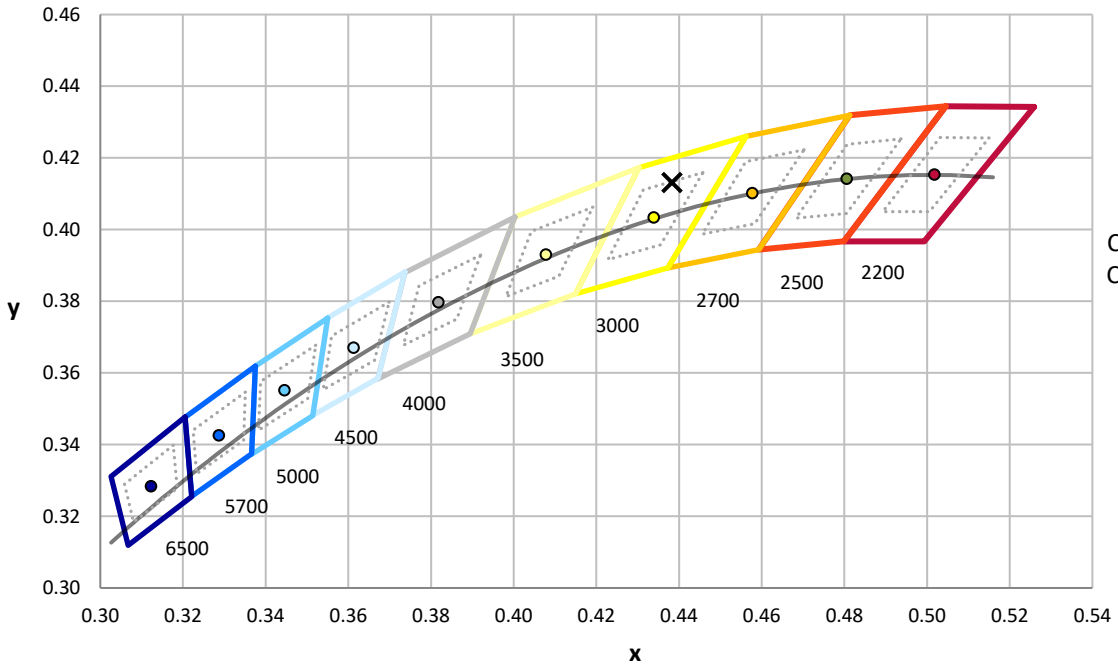
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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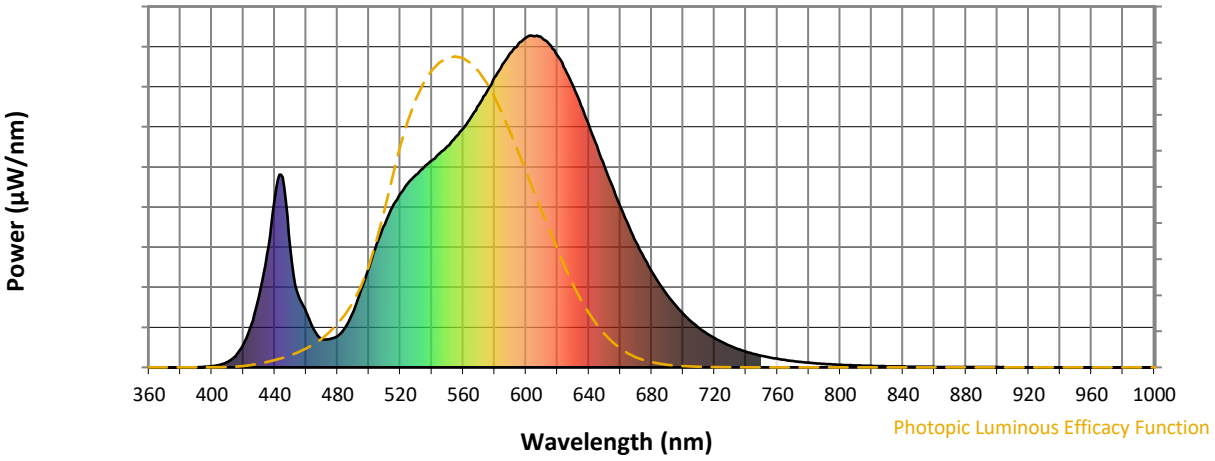
Photopic Flux vs. Wavelength



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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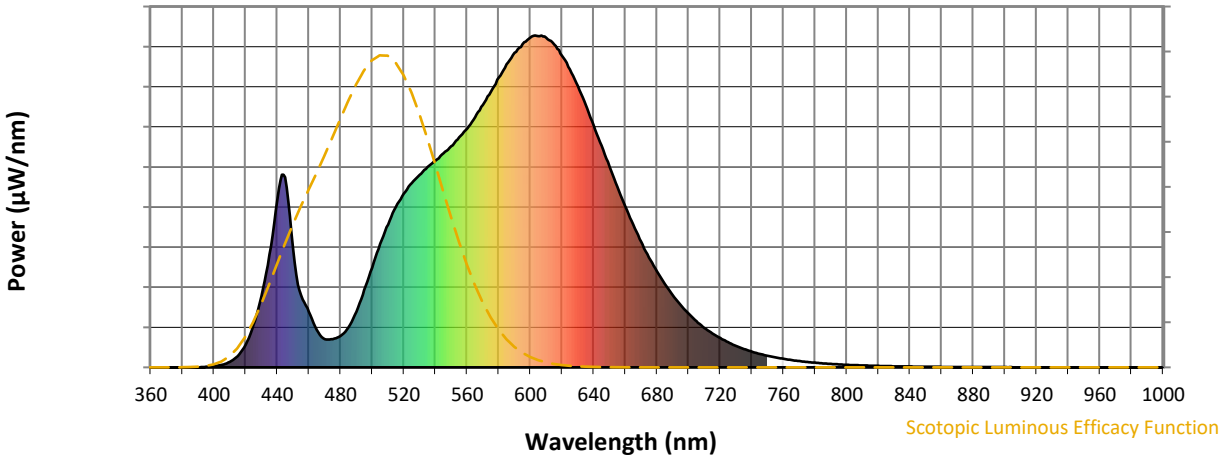
Scotopic Flux vs. Wavelength



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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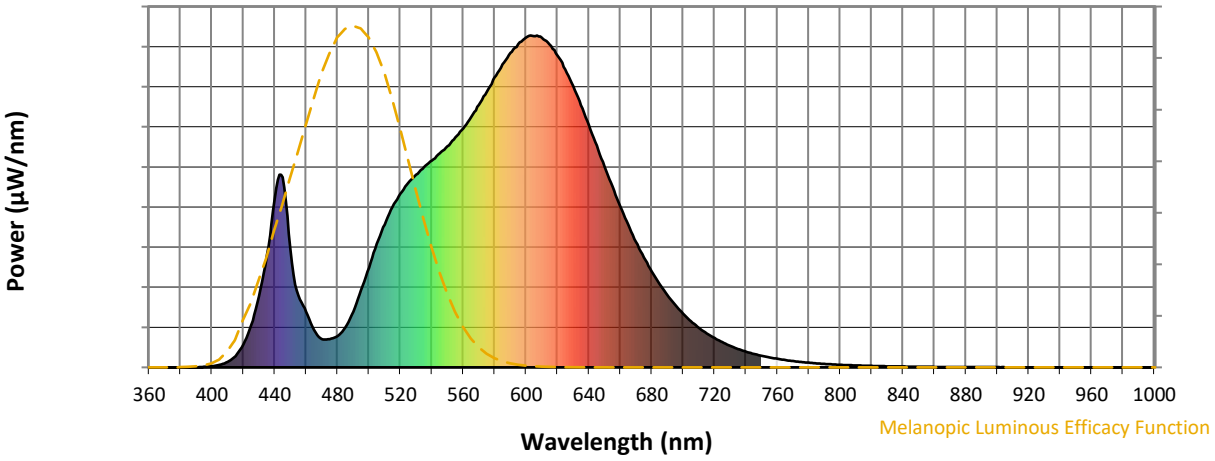
Melanopic Flux vs. Wavelength



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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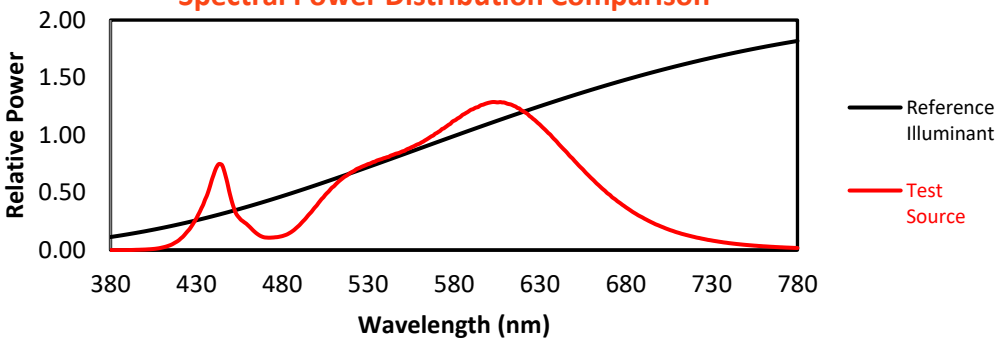
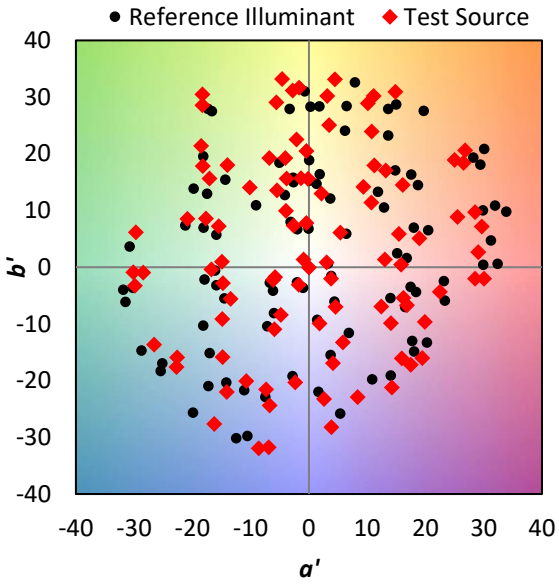
Summary

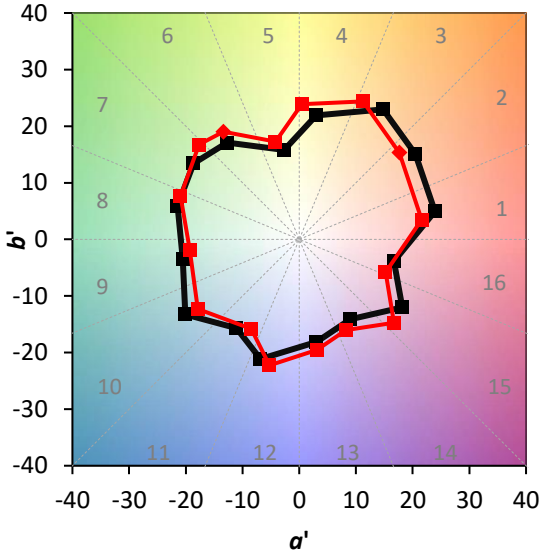
R_f = 81.5
R_g = 99.2
CIE R_a = 81.0
R_9 = 7.1

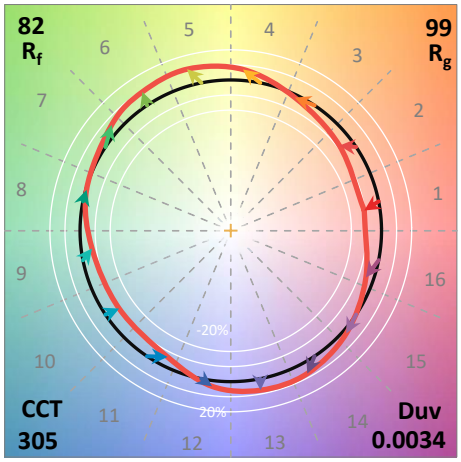
Spectral Power Distribution Comparison

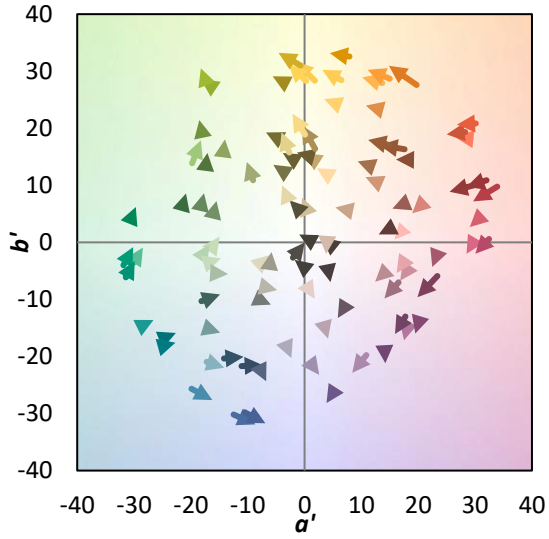


Color Vector Graphics









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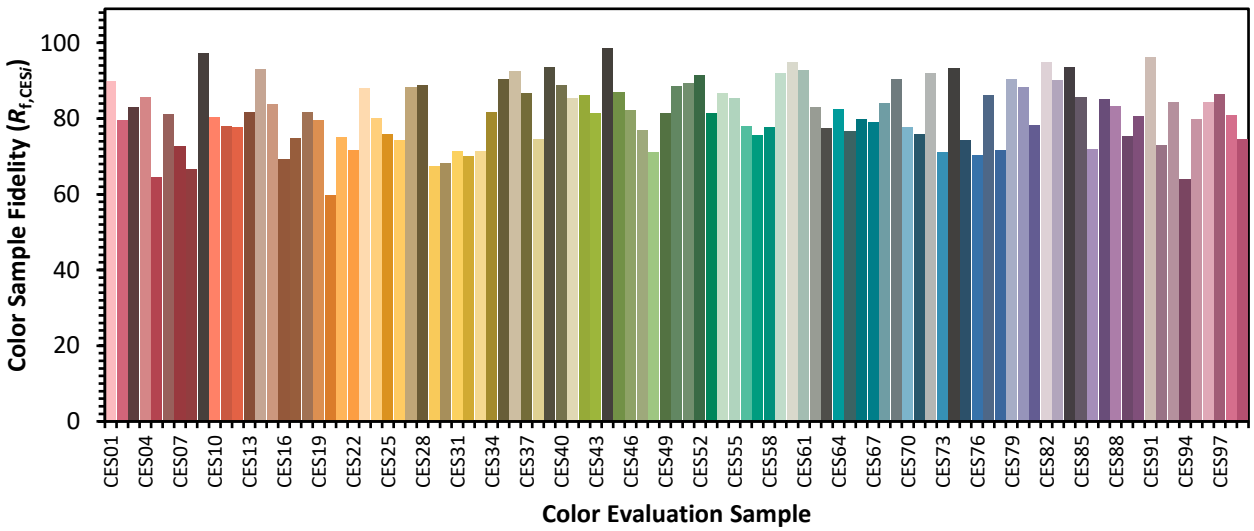
Individual Sample Fidelity Index ($R_{f,i}$)

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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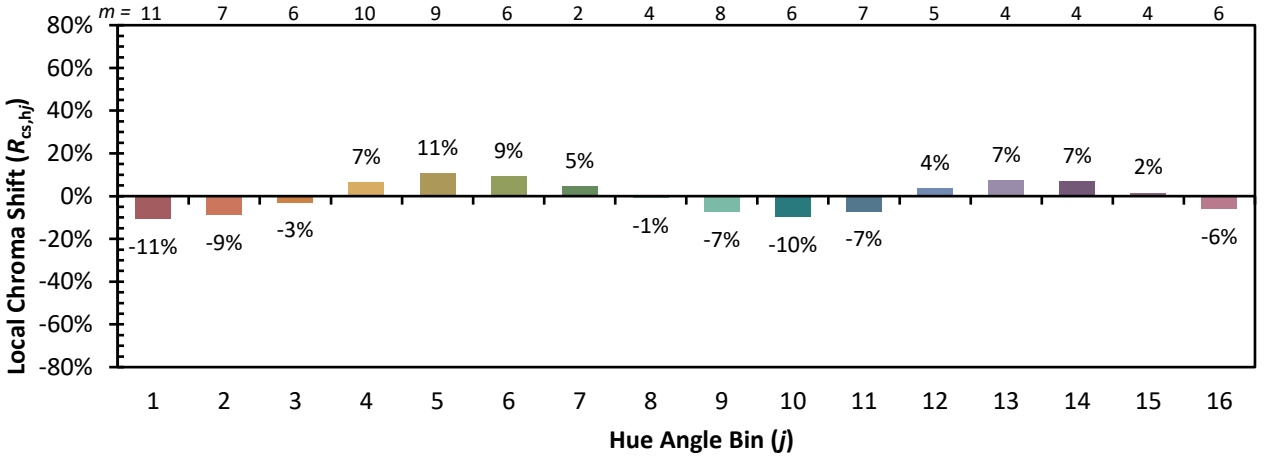
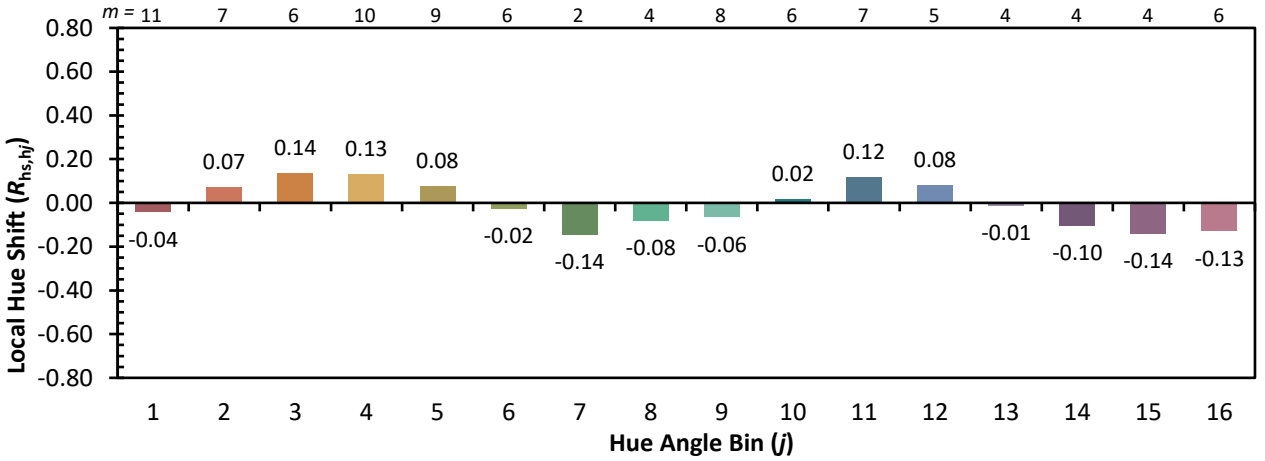
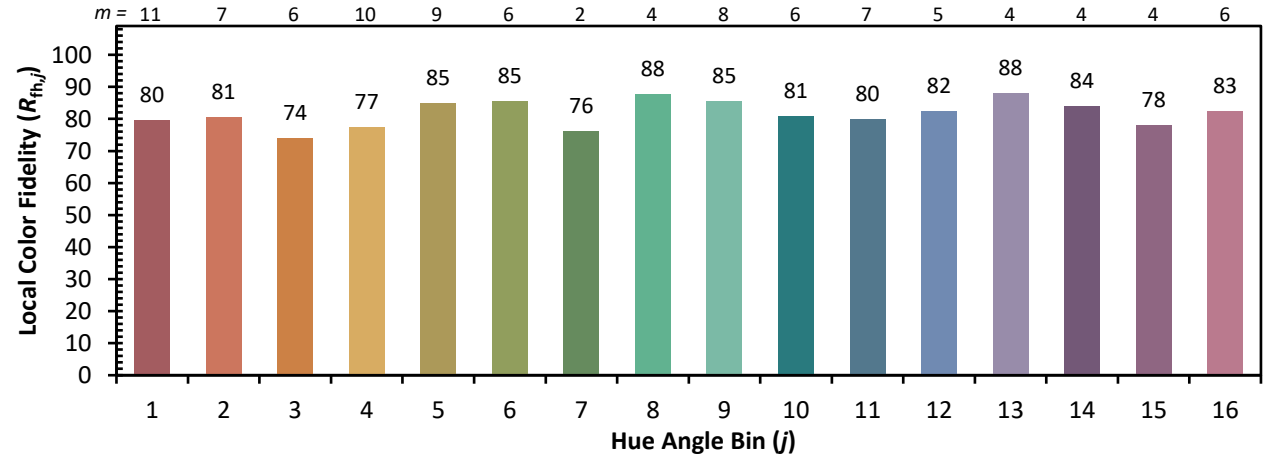
Color Rendition by Hue-Angle Bin







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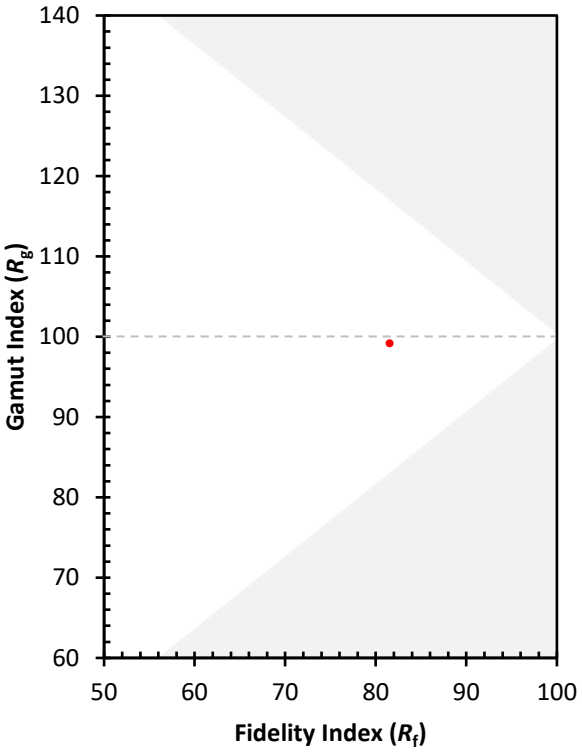
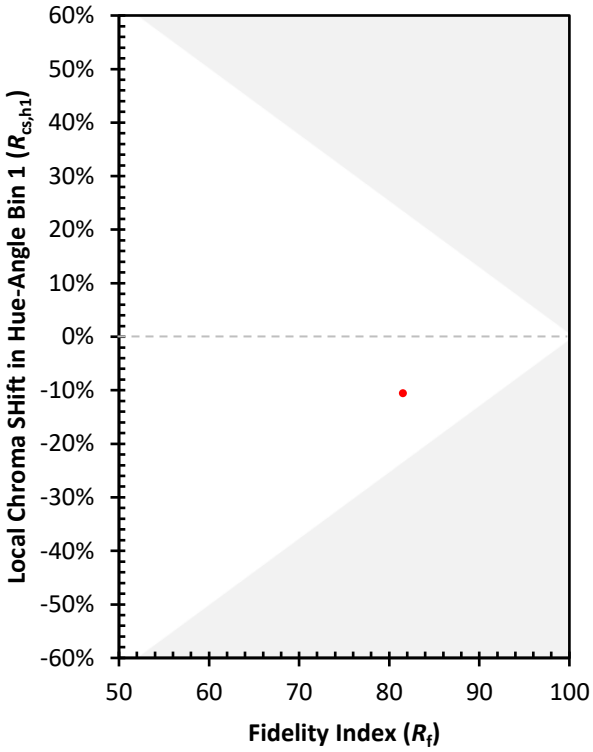
Measure Comparisons





(END OF REPORT)