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: P319533

Luminaire Tested: **GLEON-SA9C-830-U-SL2**

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:	P319533
	TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-20)
Test Lab:	INNOVATION CENTER
Issue Date:	3/3/2020
Manufacturer:	COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line:	McGRAW-EDISON
Catalog Number:	GLEON-SA9C-830-U-SL2
Description:	GALLEON AREA AND ROADWAY LUMINAIRE
	(9) 80 CRI, 3000K, 1050mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II SPILL LIGHT ELIMINATOR OPTICS
Light Source:	-
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	49223 lumens
Efficiency:	N/A
Efficacy:	98.2 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):	501
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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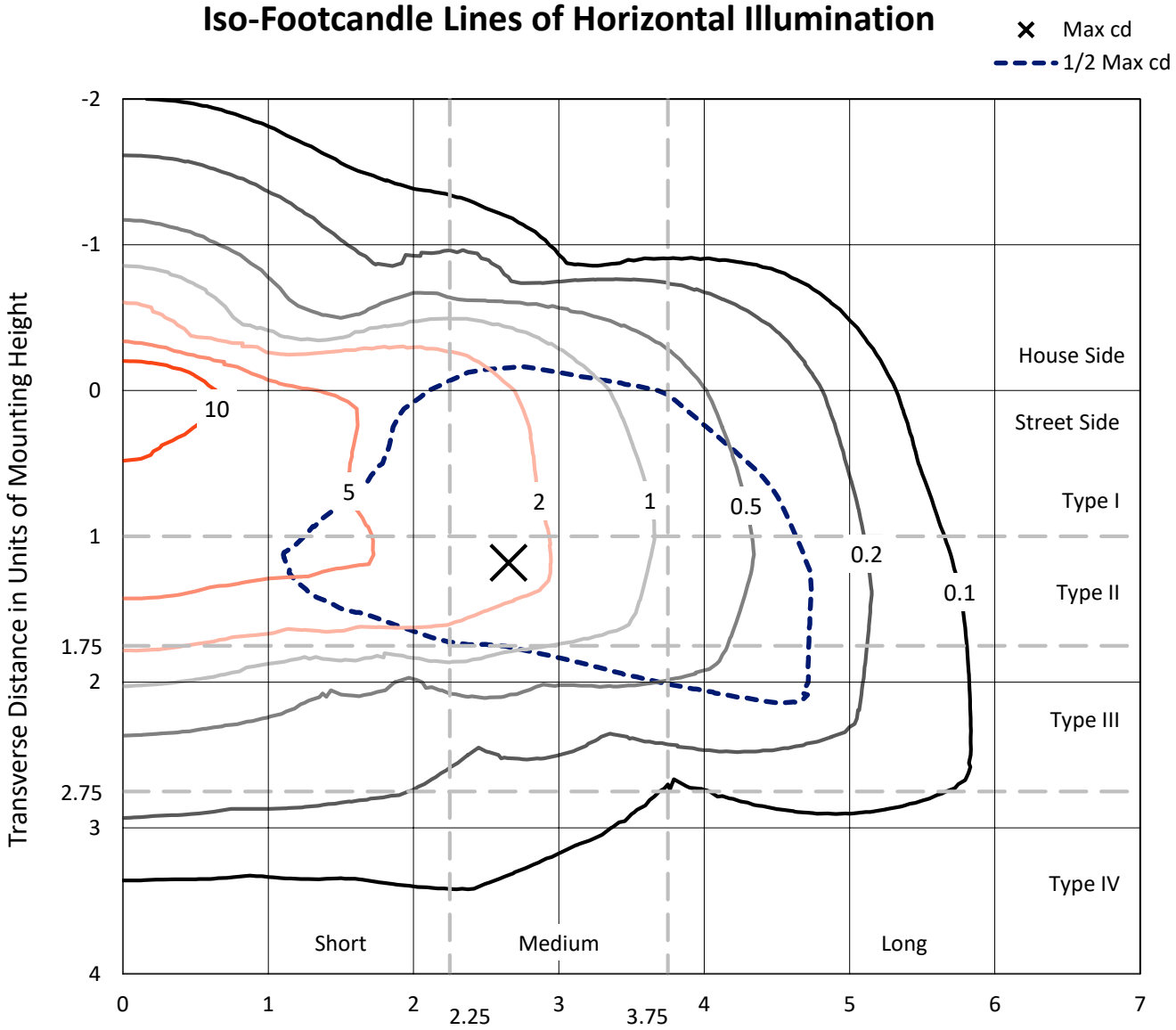
REPORT NUMBER: P319533
CATALOG NUMBER: GLEON-SA9C-830-U-SL2

Iso-Footcandle Lines of Horizontal Illumination



Based on 25 foot mounting height. Maximum calculated value = 18 fc
Type III - Medium - N/A

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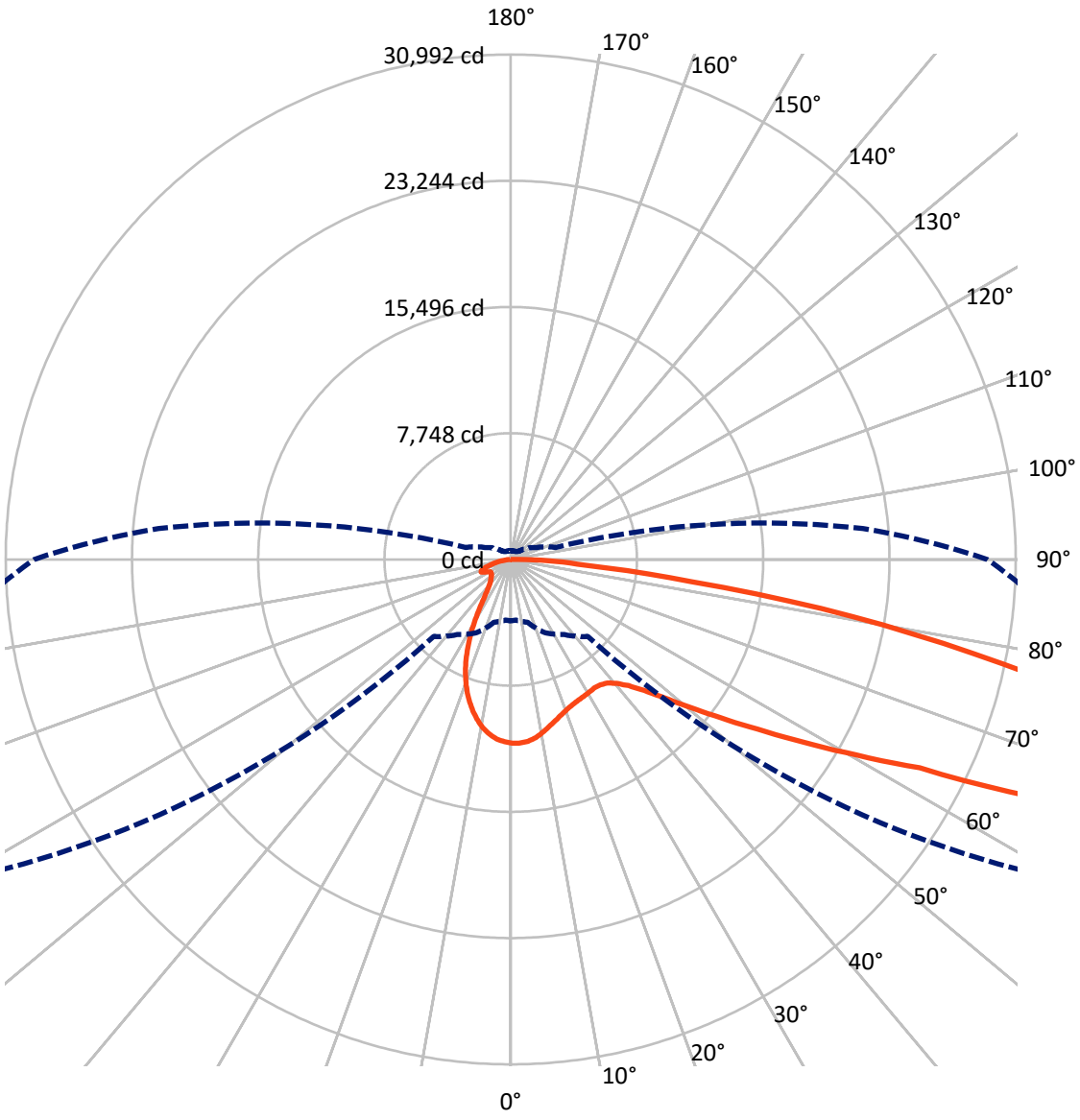
Luminous Intensity Polar Plot



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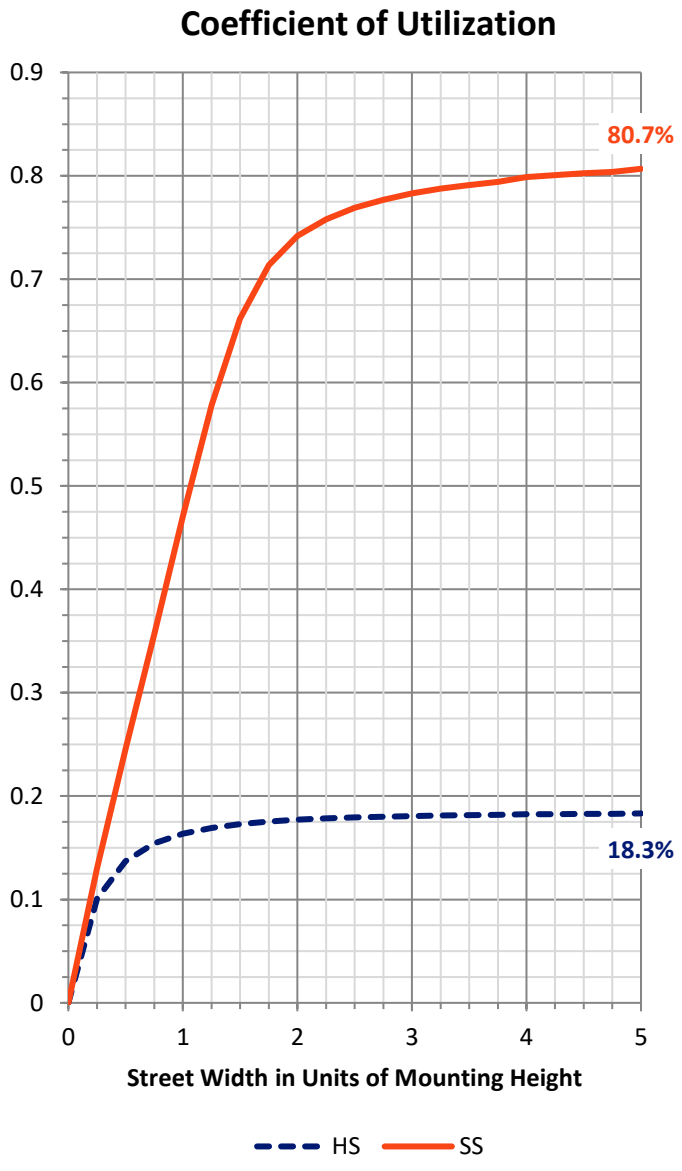
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	9122.4	0.0	9122.4
	% Fixture	18.5	0.0	18.5
Street Side	Lumens	40100.6	0.0	40100.6
	% Fixture	81.5	0.0	81.5
Total	Lumens	49223.0	0.0	49223.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	992.6	2.0
10°-20°	2380.6	4.8
20°-30°	3197.7	6.5
30°-40°	4206.6	8.5
40°-50°	6119.4	12.4
50°-60°	9559.2	19.4
60°-70°	11974.5	24.3
70°-80°	9133.8	18.6
80°-90°	1658.6	3.4
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°	49223.0	100.0
0°-180°	49223.0	100.0



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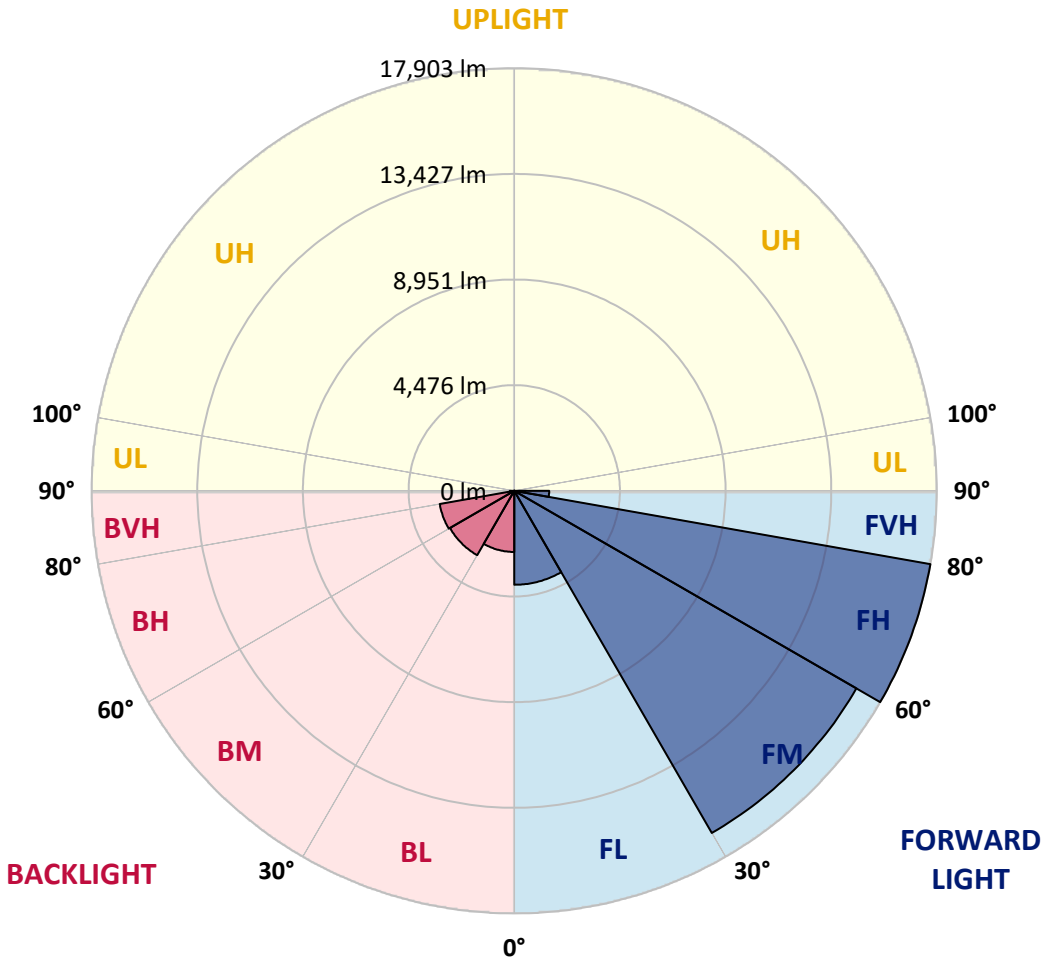
REPORT NUMBER: P319533
CATALOG NUMBER: GLEON-SA9C-830-U-SL2

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	3980.4	8.1			
FM	(30°-60°)	16738.3	34.0			
FH	(60°-80°)	17902.9	36.4			G5
FVH	(80°-90°)	1479.1	3.0			G5
BL	(0°-30°)	2590.5	5.3	B4/5000		
BM	(30°-60°)	3146.9	6.4	B3/5000		
BH	(60°-80°)	3205.4	6.5	B4/5000		G4/5000
BVH	(80°-90°)	179.5	0.4			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: P319533
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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	66°	75°	85°
0°	11276.0	11276.0	11276.0	11276.0	11276.0	11276.0	11276.0	11276.0	*11276.0*	11276.0	11276.0
2.5°	11067.0	11050.0	11101.0	11153.7	11174.1	11208.1	11259.0	11287.9	*11286.2*	11291.3	11274.3
5°	10332.8	10310.7	10412.7	10496.0	10655.7	10835.9	11055.1	11211.5	*11214.9*	11303.2	11327.0
7.5°	9637.7	9622.4	9739.7	9874.0	10059.2	10334.5	10689.7	11026.2	*11046.6*	11286.2	11369.5
10°	9080.3	9076.9	9190.8	9336.9	9552.8	9860.4	10268.2	10761.1	*10791.7*	11204.7	11376.3
12.5°	8645.2	8652.0	8750.6	8917.2	9144.9	9466.1	9908.0	10463.7	*10513.0*	11075.5	11337.2
15°	8324.0	8351.2	8431.1	8599.4	8823.7	9150.0	9603.8	10188.4	*10263.1*	10931.0	11315.1
17.5°	8140.5	8171.1	8227.2	8366.5	8577.3	8891.7	9321.6	9962.3	*10030.3*	10820.6	11316.8
20°	8086.1	8111.6	8143.9	8228.9	8407.3	8692.8	9099.0	9758.4	*9831.5*	10732.2	11333.8
22.5°	8193.2	8211.9	8215.3	8208.5	8317.2	8550.1	8937.6	9608.8	*9687.0*	10674.4	11345.7
25°	8422.6	8448.1	8429.4	8366.5	8330.8	8473.6	8854.3	9510.3	*9588.5*	10631.9	11321.9
27.5°	8767.6	8771.0	8755.7	8674.1	8505.9	8482.1	8828.8	9452.5	*9527.3*	10582.6	11272.6
30°	9236.7	9258.8	9231.6	9121.1	8845.8	8618.1	8859.4	9396.4	*9464.4*	10519.8	11192.8
32.5°	9785.6	9840.0	9838.3	9722.7	9328.4	8922.3	8985.1	9362.4	*9415.1*	10453.5	11095.9
35°	10354.9	10429.7	10569.1	10519.8	10032.0	9403.2	9226.5	9416.8	*9452.5*	10445.0	11027.9
37.5°	10946.3	11021.1	11308.3	11440.9	10869.9	10091.5	9607.1	9608.8	*9625.8*	10548.7	11022.8
40°	11564.9	11644.8	12076.5	12421.5	11955.8	10963.3	10220.7	10009.9	*9991.2*	10803.6	11123.1
42.5°	12431.7	12503.1	13021.4	13461.6	13160.8	12079.9	11068.7	10628.5	*10589.4*	11303.2	11444.3
45°	13527.8	13589.0	14139.7	14610.4	14455.8	13354.5	12134.3	11480.0	*11473.2*	12136.0	12095.2
47.5°	14831.3	14878.9	15373.5	15828.9	15885.0	14821.1	13473.5	12793.7	*12683.2*	13278.0	13103.0
50°	16189.2	16241.9	16578.4	17067.9	17484.2	16784.0	15196.7	14403.1	*14255.2*	14785.5	14530.5
52.5°	17088.3	17157.9	17450.2	18070.5	19282.3	18935.6	17234.4	16354.1	*16129.7*	16612.4	16417.0
55°	16687.2	16843.5	17290.5	18284.7	20720.0	22222.4	19747.9	18629.7	*18376.5*	18777.5	18662.0
57.5°	14863.6	15077.8	15687.9	17222.5	20922.3	25118.3	23548.0	21309.8	*21131.3*	21015.7	21068.4
60°	11531.0	11736.6	12492.9	14493.1	19513.4	27232.4	29266.7	24613.5	*24355.2*	23262.5	23310.0
62.5°	8160.9	8057.2	8575.6	10038.8	15856.1	27480.6	35774.0	29032.2	*28182.4*	25634.9	25425.9
65°	6223.5	6199.7	6432.5	6898.2	9603.8	24511.6	39650.5	36458.9	*35131.6*	28425.5	27932.6
67.5°	5113.7	5071.2	5300.7	5978.8	6184.4	15813.6	39735.5	45075.3	*43771.8*	31899.2	30831.9
70°	4204.5	4156.9	4371.1	5246.3	5715.3	8019.8	33442.3	50121.0	*50051.3*	36297.5	33020.9
71°	*3769.4*	*3735.5*	*3992.1*	*4964.2*	*5615.1*	*6684.0*	*28874.1*	*50134.6*	*50343.6*	*37786.2*	*32891.7*
72.5°	3069.3	3081.2	3353.1	4418.6	5540.3	5902.3	21221.4	47797.8	*48239.7*	39205.3	31717.4
75°	2039.4	2049.6	2406.5	3399.0	5372.0	5774.8	11663.5	40107.7	*40920.0*	38355.5	28942.1
77.5°	1369.8	1366.4	1609.4	2331.7	4680.4	5774.8	6838.7	29997.5	*30889.7*	30519.2	22312.4
80°	943.2	936.4	1108.1	1609.4	3543.4	5844.5	5287.1	21022.5	*21292.8*	16481.5	9068.4
82.5°	577.8	582.9	724.0	1137.0	2411.6	5259.9	4991.4	11463.0	*11169.0*	4622.6	2265.4
85°	331.4	329.7	462.3	769.9	1548.2	4439.0	4867.3	4933.6	*4525.7*	1391.9	819.1
87.5°	119.0	127.5	248.1	426.6	887.1	3091.4	4129.7	2566.2	*2313.0*	628.8	370.5
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: P319533
CATALOG NUMBER: GLEON-SA9C-830-U-SL2

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	11276.0	11276.0	11276.0	11276.0	11276.0	11276.0	11276.0	11276.0	11276.0	11276.0	11276.0
2.5°	11262.4	11272.6	11260.7	11192.8	11135.0	11041.5	10988.8	10915.7	10893.7	10883.5	10910.6
5°	11304.9	11308.3	11208.1	11029.6	10829.1	10592.8	10422.9	10213.9	10115.3	10072.8	10100.0
7.5°	11344.0	11328.7	11109.5	10767.9	10397.4	9986.1	9620.7	9285.9	9090.5	9010.6	9017.4
10°	11349.1	11284.5	10932.7	10404.2	9829.8	9226.5	8665.6	8149.0	7822.7	7610.3	7674.8
12.5°	11296.4	11187.7	10672.7	9933.4	9136.4	8313.8	7555.9	6780.9	6315.3	6099.4	6106.2
15°	11255.6	11058.5	10353.2	9379.4	8308.7	7219.4	6184.4	5273.5	4777.2	4556.3	4452.6
17.5°	11221.7	10919.1	9982.7	8755.7	7331.5	5949.9	4705.9	3893.5	3621.6	3557.0	3529.8
20°	11174.1	10771.3	9569.8	8033.4	6218.4	4529.1	3436.3	3035.3	3037.0	3111.7	3121.9
22.5°	11107.8	10603.0	9129.6	7222.8	5023.7	3298.7	2693.7	2578.1	2695.4	2838.1	2863.6
25°	11009.2	10404.2	8640.1	6327.2	3830.6	2535.6	2301.1	2296.0	2438.8	2588.3	2610.4
27.5°	10869.9	10144.2	8096.3	5365.3	2822.8	2154.9	2061.5	2097.2	2202.5	2311.3	2319.8
30°	10682.9	9841.7	7496.4	4350.7	2212.7	1918.7	1908.5	1940.8	2005.4	2081.9	2088.7
32.5°	10477.3	9534.1	6855.7	3368.4	1894.9	1791.2	1801.4	1816.7	1847.3	1877.9	1884.7
35°	10290.3	9219.7	6199.7	2559.4	1743.7	1708.0	1701.2	1697.8	1701.2	1691.0	1692.7
37.5°	10169.7	8959.6	5516.5	2037.7	1657.0	1634.9	1614.5	1589.0	1560.1	1543.1	1546.5
40°	10125.5	8765.9	4824.8	1760.7	1585.6	1570.3	1531.2	1476.8	1442.9	1432.7	1432.7
42.5°	10244.5	8665.6	4156.9	1621.3	1526.1	1500.6	1436.1	1373.2	1347.7	1346.0	1344.3
45°	10608.1	8706.4	3521.3	1544.8	1471.7	1422.5	1337.5	1284.8	1267.8	1271.2	1269.5
47.5°	11260.7	8963.0	2977.5	1493.8	1417.4	1352.8	1257.6	1215.1	1194.7	1194.7	1196.4
50°	12370.5	9563.0	2544.1	1451.4	1371.5	1288.2	1199.8	1147.1	1120.0	1118.3	1118.3
52.5°	13986.7	10637.0	2273.9	1415.7	1320.5	1230.4	1142.0	1075.8	1043.5	1036.7	1033.3
55°	16012.5	12176.8	2199.1	1391.9	1252.5	1167.5	1072.4	1006.1	970.4	955.1	953.4
57.5°	18277.9	14049.6	2347.0	1363.0	1182.8	1092.8	995.9	933.0	895.6	876.9	875.2
60°	20570.5	16094.1	2950.3	1322.2	1125.1	1011.2	917.7	859.9	822.5	802.2	798.8
62.5°	22866.5	18249.0	4182.4	1318.8	1084.3	933.0	837.8	788.6	752.9	730.8	725.7
65°	25456.5	20607.9	5582.8	1408.9	1070.7	861.6	756.3	717.2	686.6	666.2	664.5
67.5°	28430.6	23271.0	5448.5	1594.1	1116.6	797.1	679.8	649.2	627.1	610.1	608.4
70°	29825.8	22854.6	3387.1	1725.0	1181.1	734.2	606.7	584.6	567.6	555.7	550.6
71°	*29241.2*	*21700.6*	*2839.8*	*1709.7*	*1174.3*	*707.0*	*577.8*	*560.8*	*543.8*	*533.6*	*528.5*
72.5°	27647.1	19790.4	2369.1	1590.7	1097.9	657.7	540.4	523.4	508.1	496.2	492.8
75°	24809.0	17674.6	1896.6	1271.2	875.2	555.7	474.2	455.5	443.6	436.8	430.0
77.5°	18237.1	12613.5	1466.6	1004.4	644.1	453.8	404.5	390.9	379.0	368.8	363.7
80°	6986.6	4886.0	987.4	749.5	472.5	358.6	326.3	319.5	307.6	300.8	300.8
82.5°	1881.3	1459.9	526.8	453.8	316.1	261.7	249.8	246.4	236.2	222.6	224.3
85°	761.4	644.1	295.7	249.8	193.7	154.7	168.2	169.9	158.1	141.1	142.8
87.5°	334.8	273.6	164.8	110.5	85.0	59.5	76.5	76.5	69.7	57.8	52.7
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

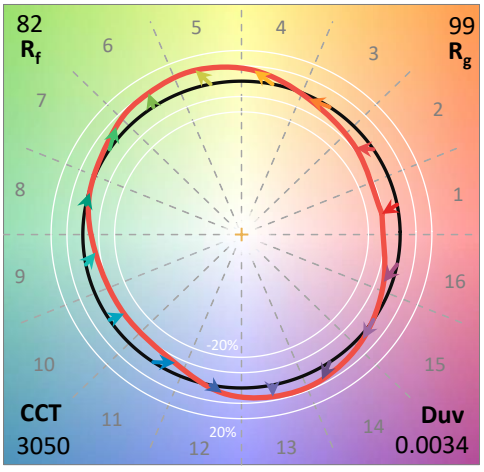
Test Information

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

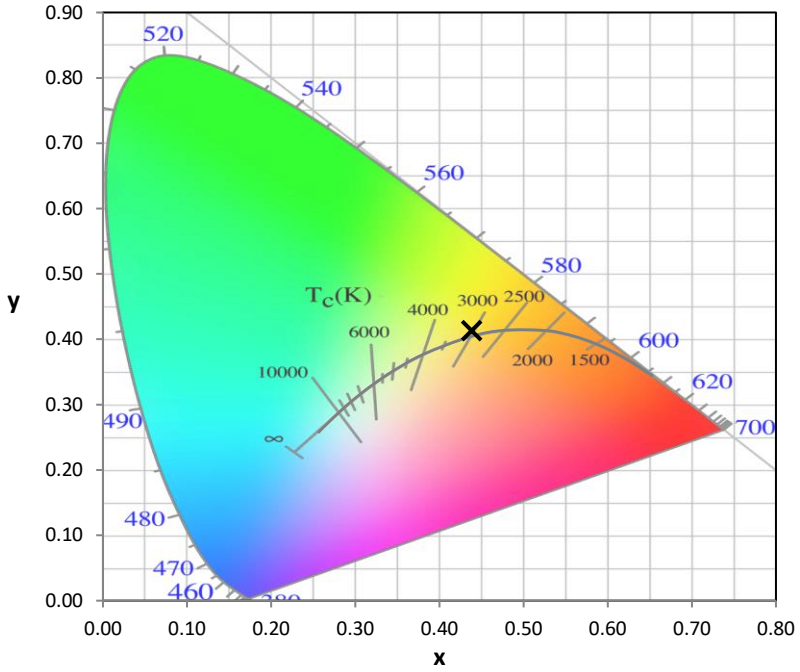
Stabilization Time:	20M
Operation Time:	1H 20M
Sphere Temperature (°C):	24.2

REPORT NUMBER: SP1-2408-195-9

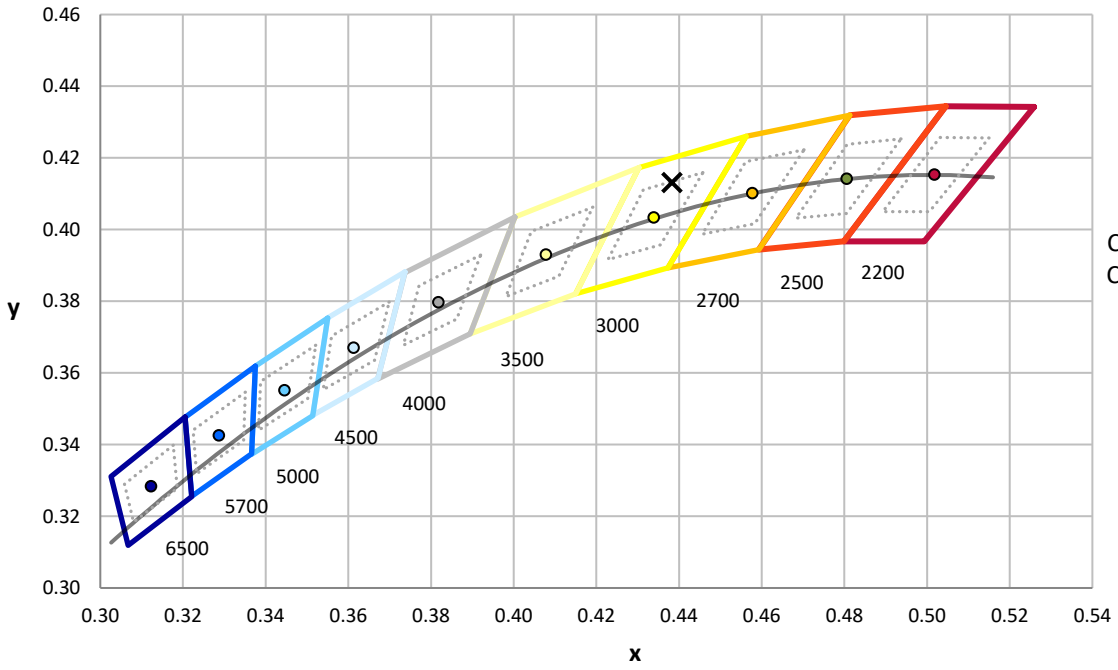
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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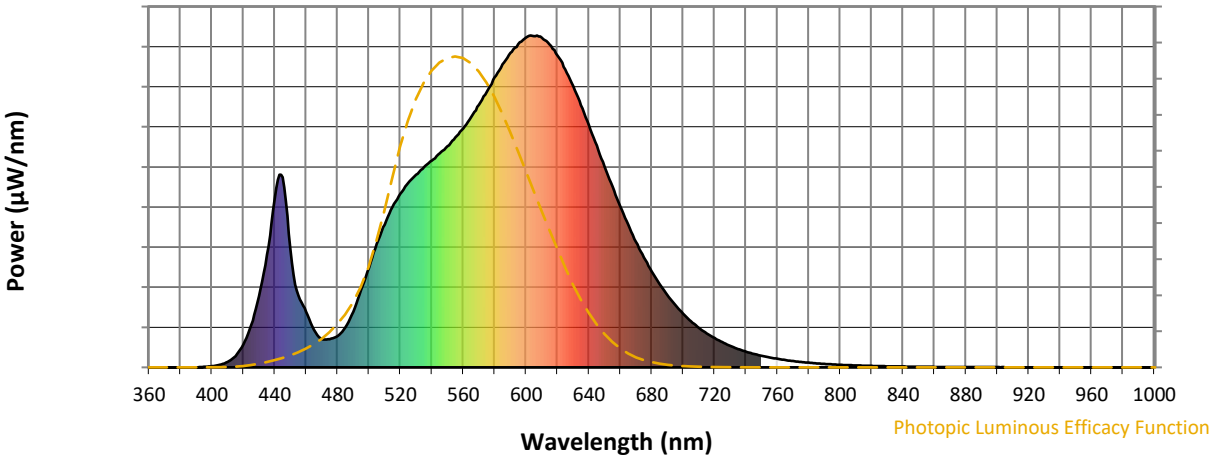
Photopic Flux vs. Wavelength



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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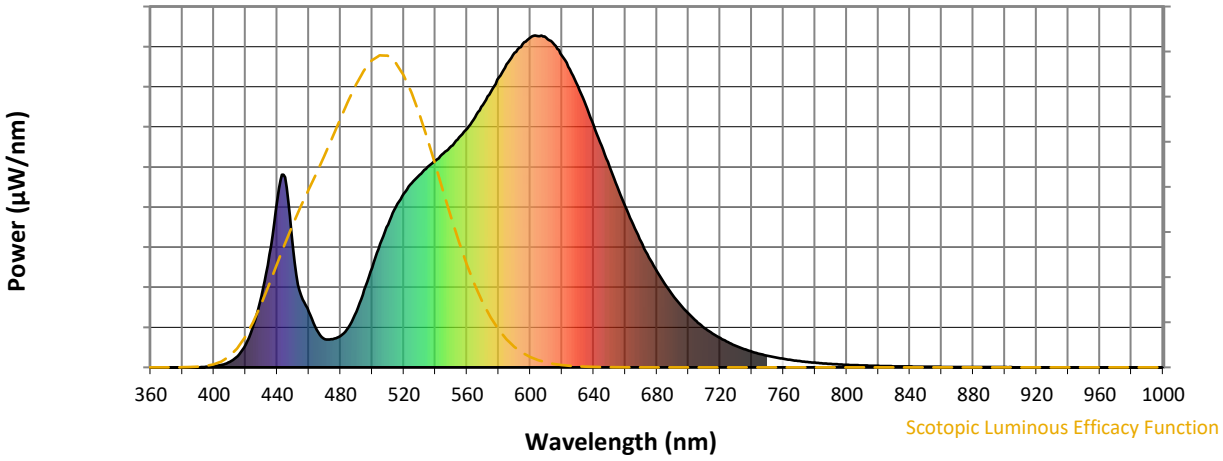
Scotopic Flux vs. Wavelength



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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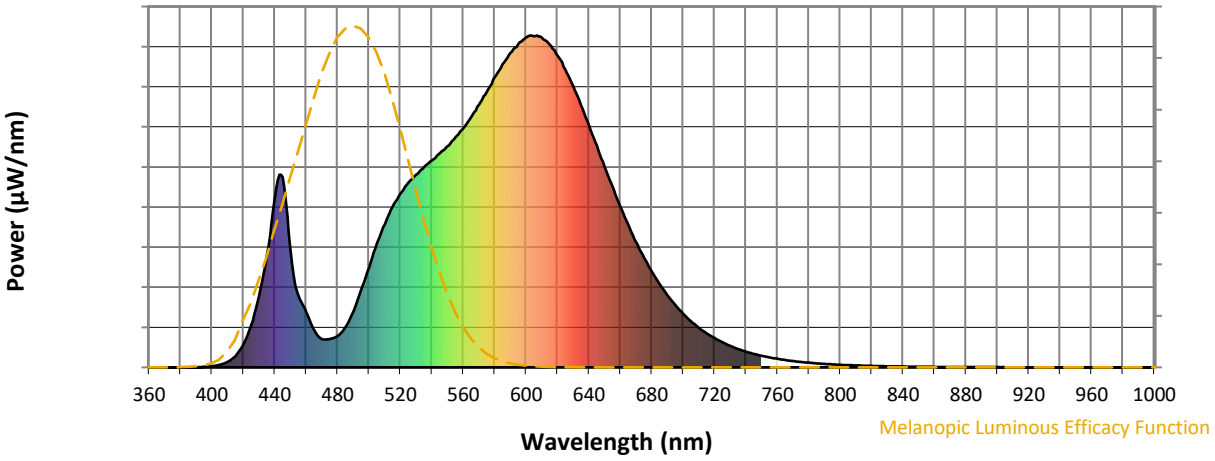
Melanopic Flux vs. Wavelength



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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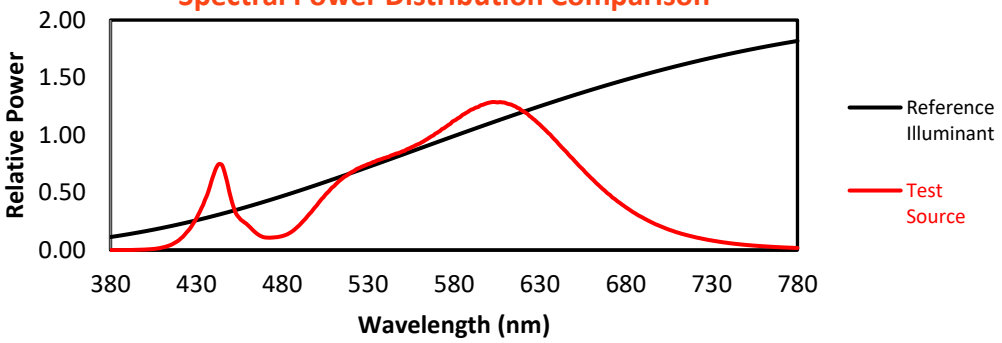
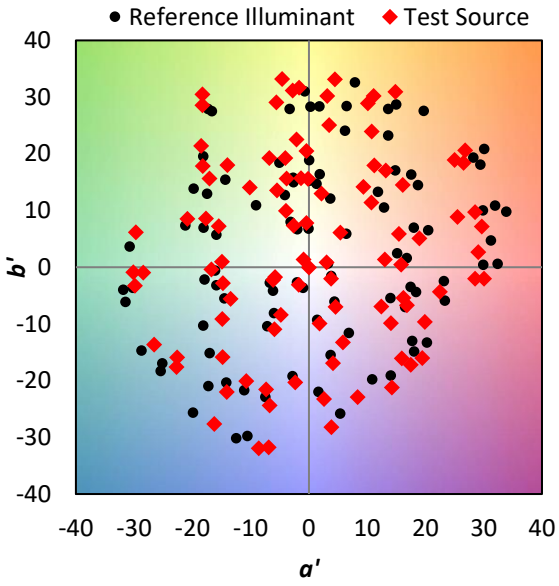
Summary

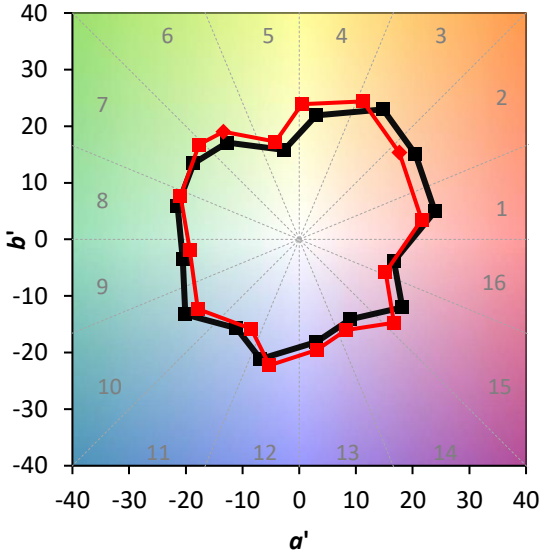
R_f = 81.5
R_g = 99.2
CIE R_a = 81.0
R_9 = 7.1

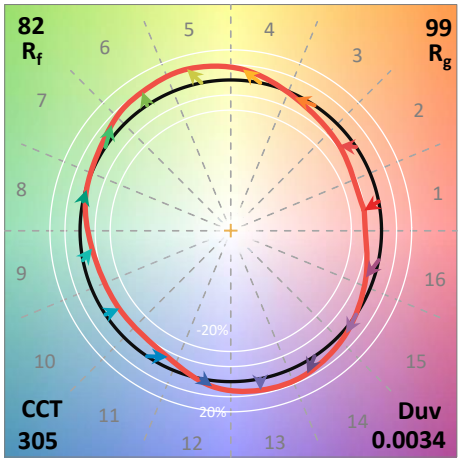
Spectral Power Distribution Comparison

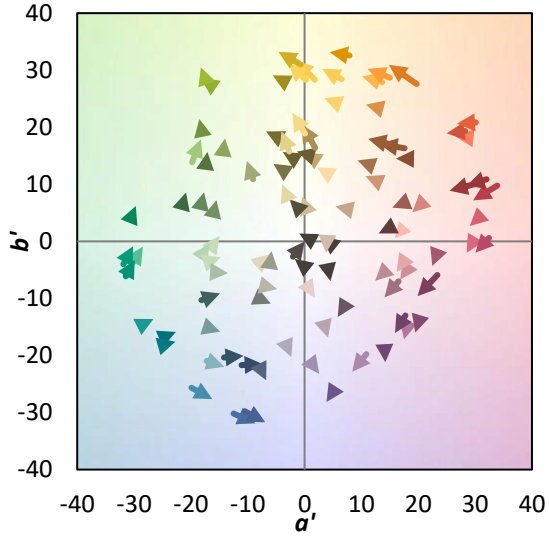


Color Vector Graphics









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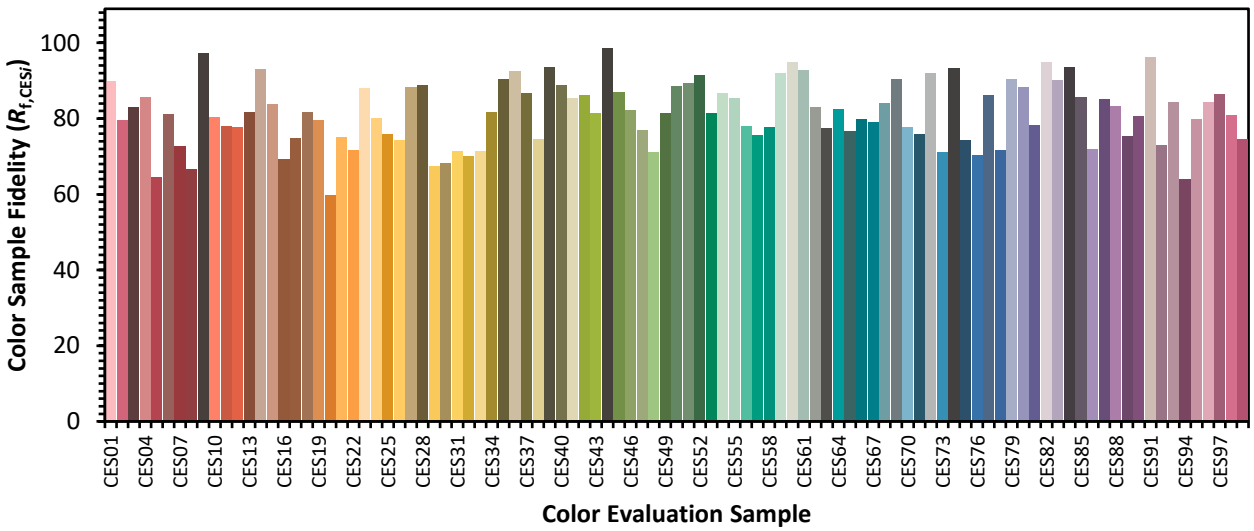
Individual Sample Fidelity Index ($R_{f,i}$)

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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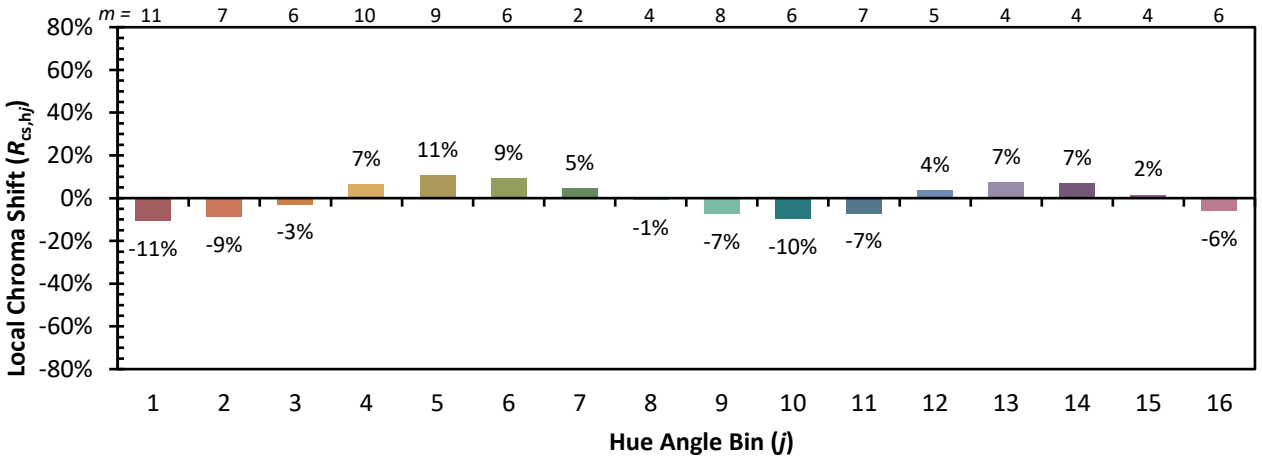
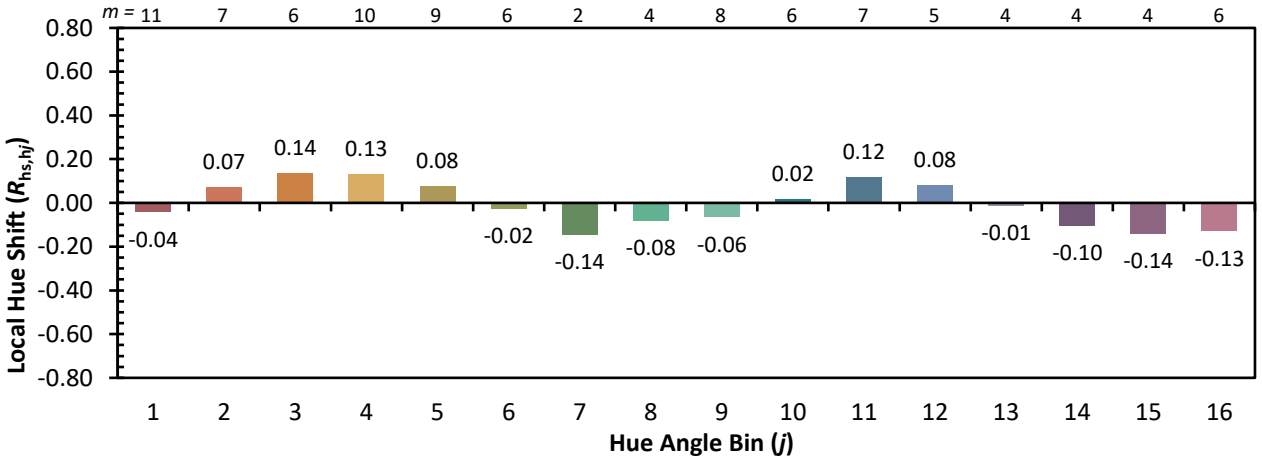
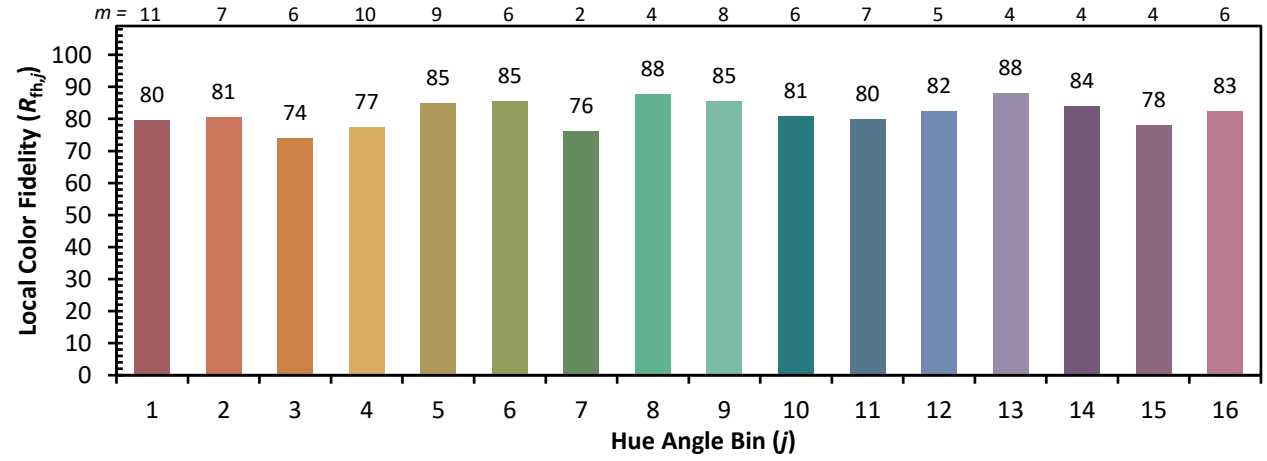
Color Rendition by Hue-Angle Bin







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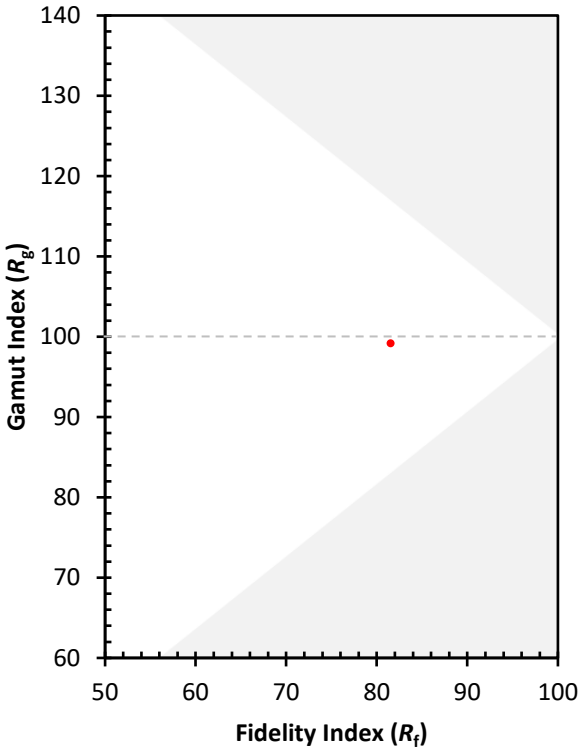
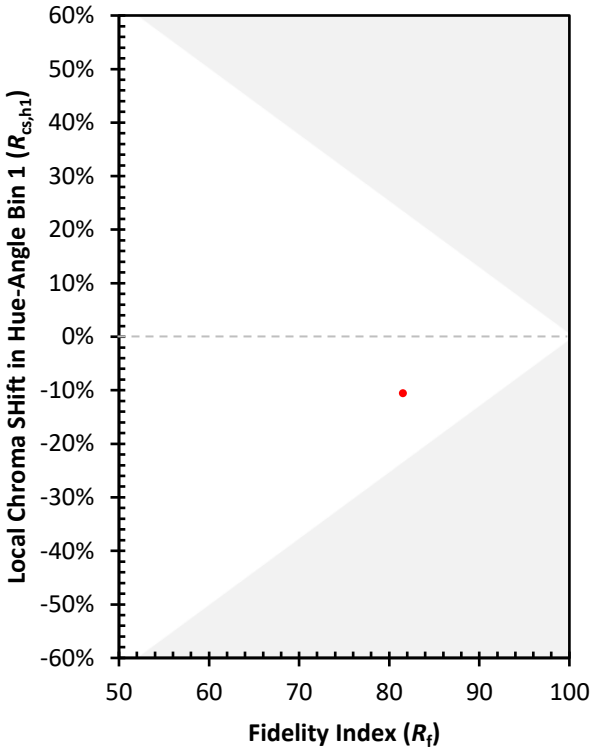
Measure Comparisons





(END OF REPORT)