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: P321124

Luminaire Tested: **GLEON-SA0B-830-U-AFL**

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:	P321124
	TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-29)
Test Lab:	INNOVATION CENTER
Issue Date:	3/3/2020
Manufacturer:	COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line:	McGRAW-EDISON
Catalog Number:	GLEON-SA0B-830-U-AFL
Description:	GALLEON AREA AND ROADWAY LUMINAIRE
	(10) 80 CRI, 3000K, 800mA LIGHTSQUARES WITH 16 LEDS EACH AND AUTOMOTIVE FRONTLINE OPTICS
Light Source:	-
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	46113 lumens
Efficiency:	N/A
Efficacy:	110.1 lumens/watt
Luminous Opening:	Rectangular (W 2.5' x L: 1' x H: 0')
IES Classification:	Type II - Short
BUG Rating:	B3 - U0 - G3

Input Watts (W):	419
Input Voltage (V):	NR
Input Current (Ain):	NR
Voltage Rise (V):	NR
Power Factor:	NR
Total Harmonic Distortion (THDi):	NR
Frequency (hertz):	60
Stabilization Time:	NR
Operation Time:	NR
Ambient Temperature (°C):	NR
Test Distance:	24 FT

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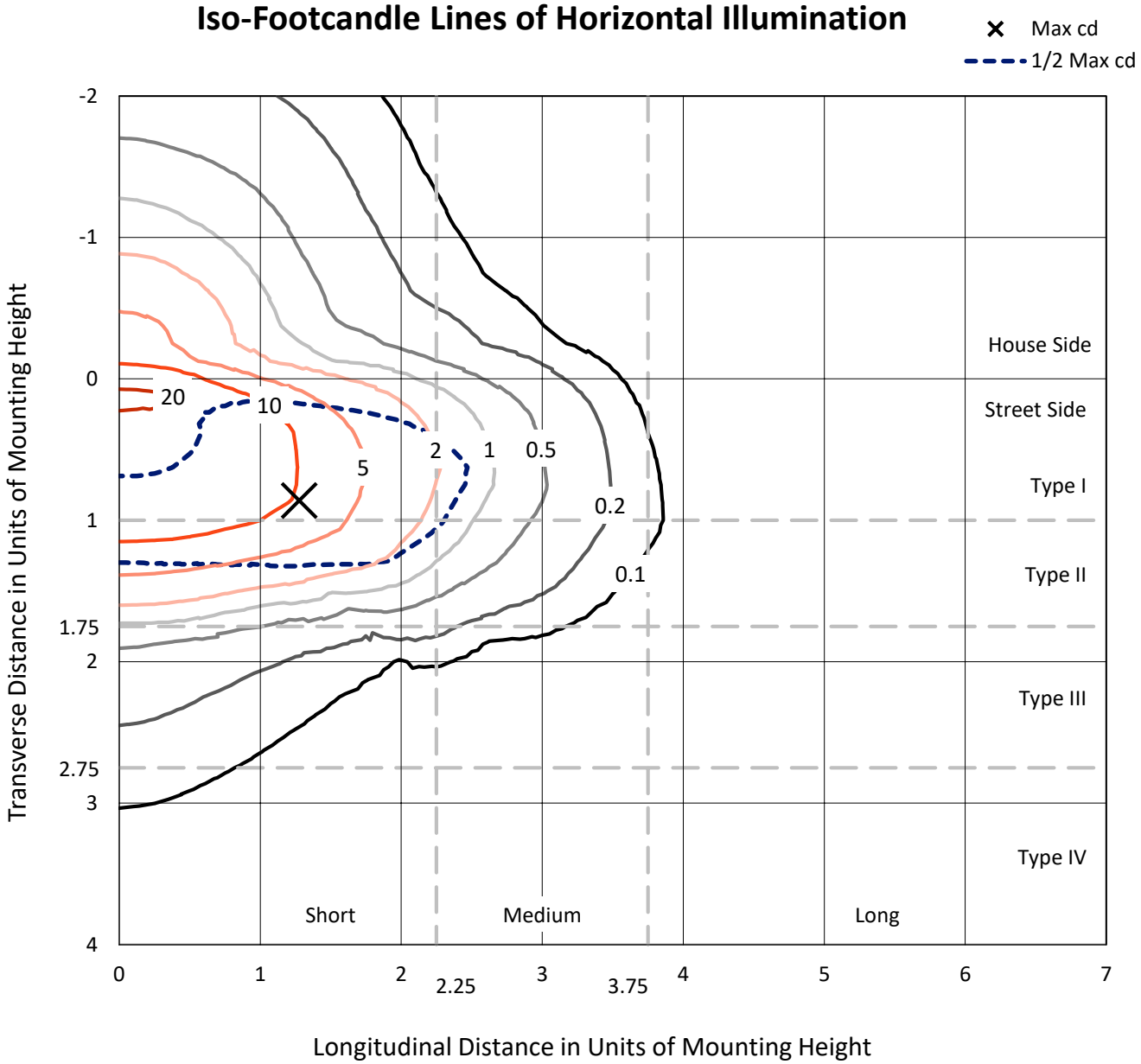
REPORT NUMBER: P321124
CATALOG NUMBER: GLEON-SA0B-830-U-AFL

Iso-Footcandle Lines of Horizontal Illumination



Based on 25 foot mounting height. Maximum calculated value = 22.7 fc
Type II - Short - N/A

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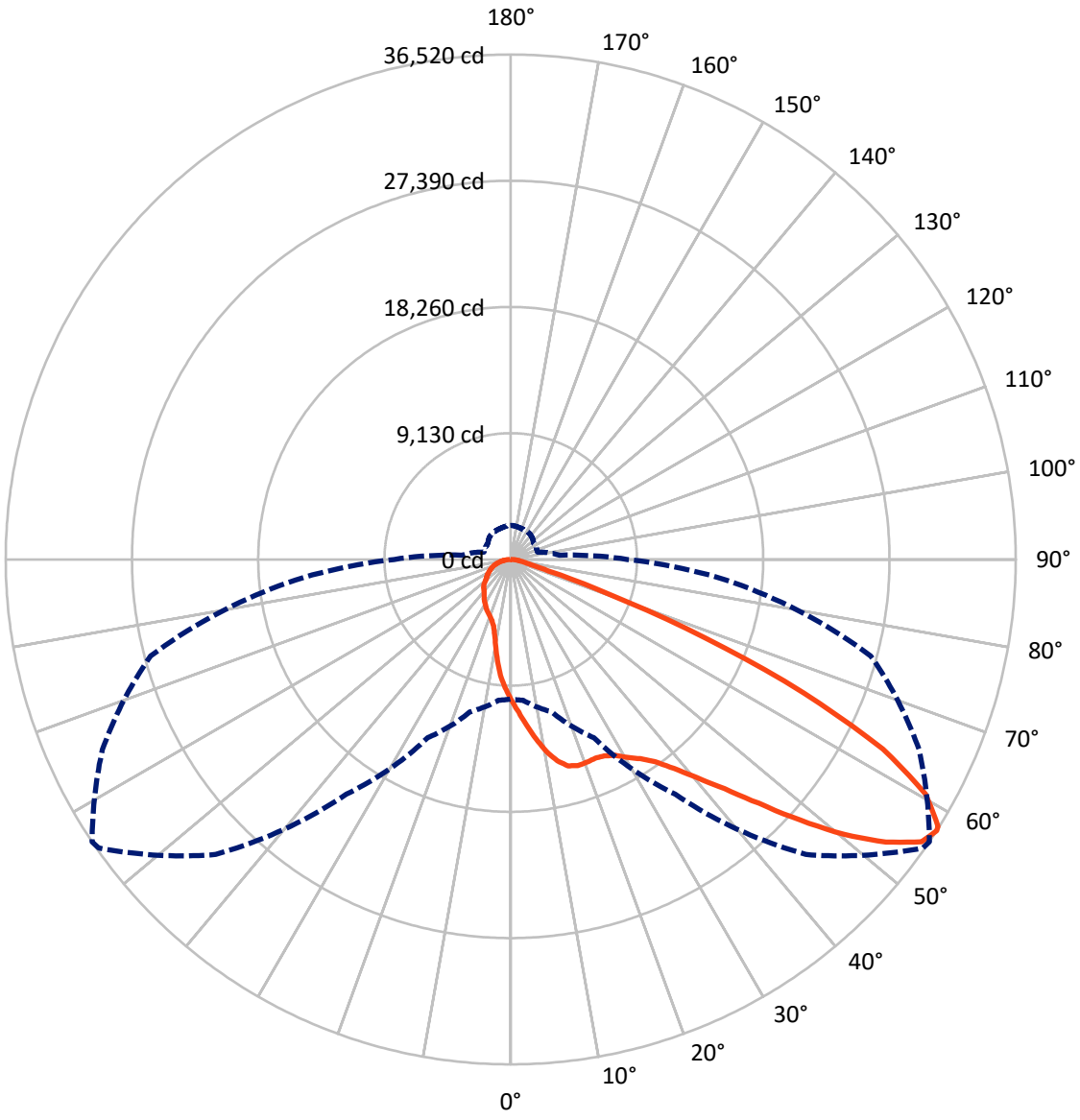
Luminous Intensity Polar Plot



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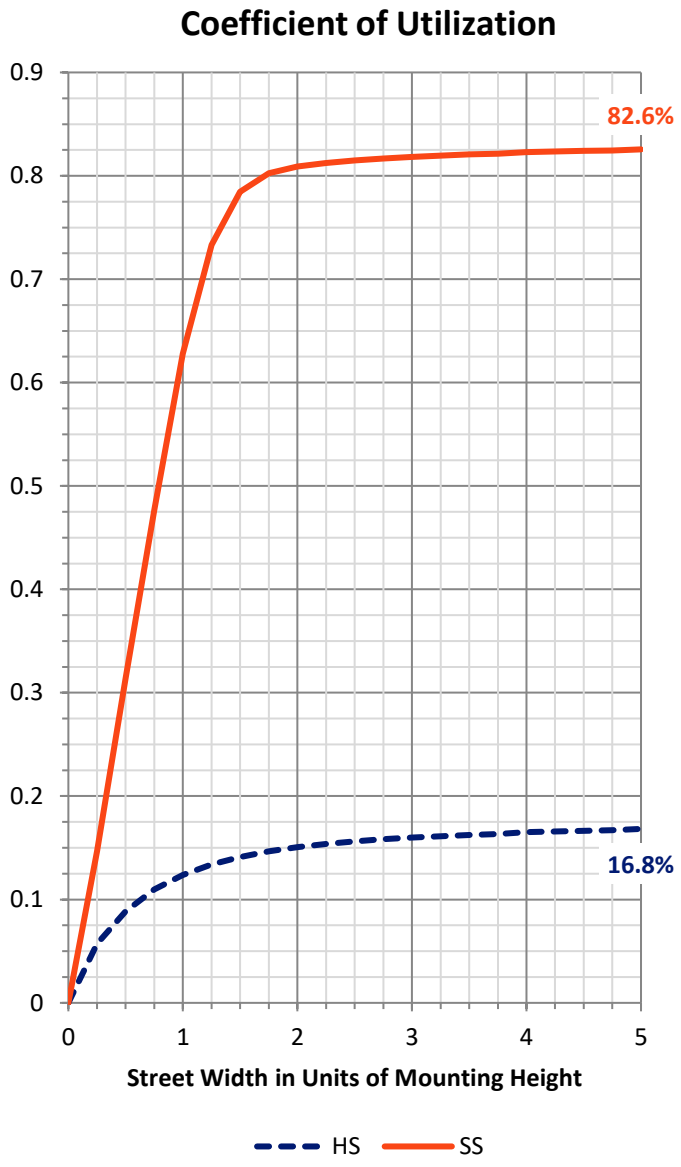
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	7948.9	0.0	7948.9
	% Fixture	17.2	0.0	17.2
Street Side	Lumens	38164.1	0.0	38164.1
	% Fixture	82.8	0.0	82.8
Total	Lumens	46113.0	0.0	46113.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	977.0	2.1
10°-20°	2762.3	6.0
20°-30°	4499.2	9.8
30°-40°	6725.8	14.6
40°-50°	10201.6	22.1
50°-60°	11434.2	24.8
60°-70°	6753.5	14.6
70°-80°	2212.7	4.8
80°-90°	546.7	1.2
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°	46113.0	100.0
0°-180°	46113.0	100.0



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REPORT NUMBER: P321124
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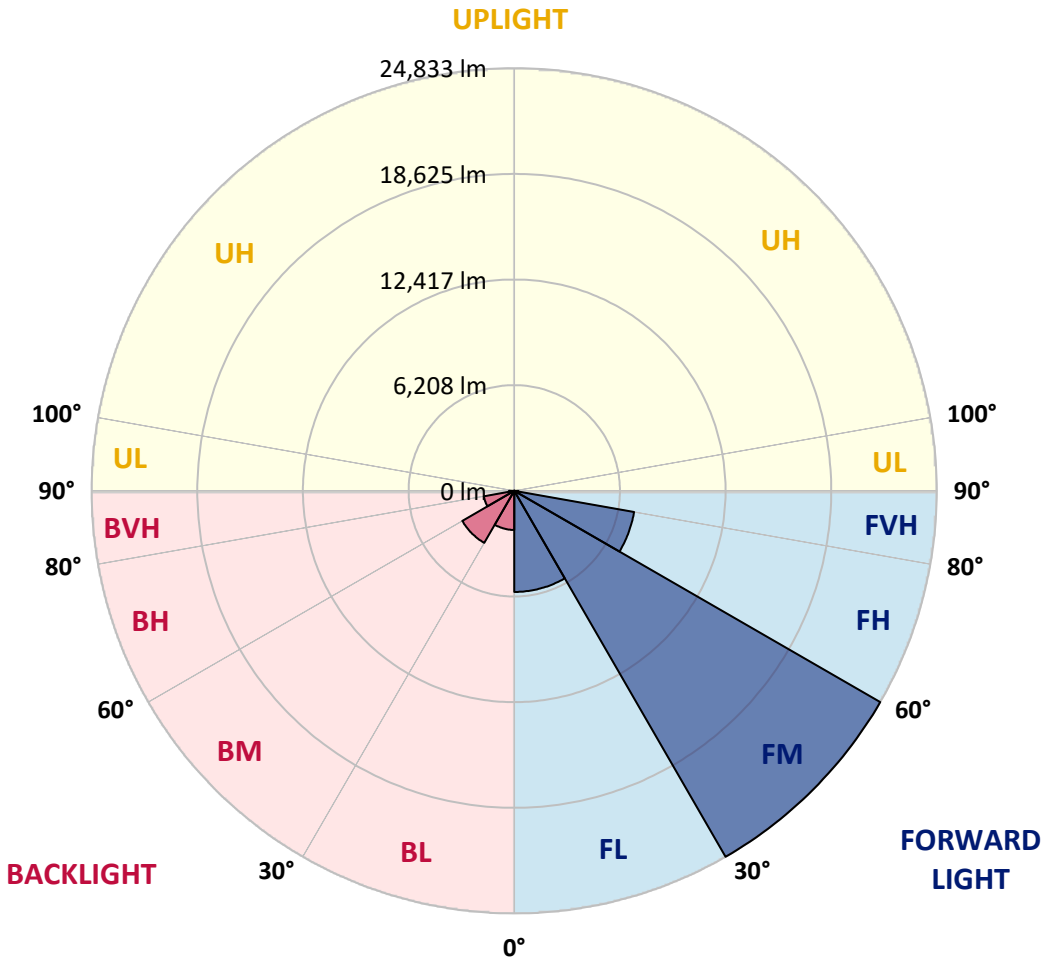
LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	5940.0	12.9			
FM	(30°-60°)	24833.4	53.9			
FH	(60°-80°)	7150.0	15.5			G3/7500
FVH	(80°-90°)	240.7	0.5			G3/500
BL	(0°-30°)	2298.4	5.0	B3/2500		
BM	(30°-60°)	3528.3	7.7	B3/5000		
BH	(60°-80°)	1816.2	3.9	B3/2500		G3/2500
BVH	(80°-90°)	306.0	0.7			G3/500
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G3
Type II Short



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Scaled Data Report

REPORT NUMBER: P321124
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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	56°	65°	75°	85°
0°	10227.9	10227.9	10227.9	10227.9	10227.9	10227.9	10227.9	*10227.9*	10227.9	10227.9	10227.9
2.5°	11744.5	11852.3	11804.7	11639.9	11513.1	11334.1	11134.4	*11074.2*	10863.4	10627.3	10343.6
5°	13603.4	13549.5	13471.9	13215.1	12944.1	12628.8	12128.0	*12048.8*	11579.7	11045.6	10481.5
7.5°	14662.0	14657.3	14611.3	14460.7	14213.5	13801.5	13197.7	*13104.2*	12395.8	11536.9	10662.1
10°	14508.3	14497.2	14573.3	14730.1	14804.6	14719.1	14210.4	*14116.9*	13246.8	12080.5	10871.3
12.5°	13635.1	13641.4	13763.5	14093.1	14541.6	15080.4	14998.0	*14952.0*	14129.5	12695.3	11124.9
15°	12955.2	12969.5	13066.2	13353.0	13882.3	14860.1	15476.6	*15492.4*	14983.7	13373.6	11421.2
17.5°	12657.3	12687.4	12731.8	12933.1	13418.0	14421.1	15590.7	*15676.2*	15731.7	14077.2	11706.5
20°	12752.4	12780.9	12793.6	12922.0	13319.7	14154.9	15511.4	*15665.1*	16305.4	14739.7	11991.7
22.5°	13178.7	13196.1	13204.0	13237.3	13546.3	14231.0	15459.1	*15620.8*	16720.6	15333.9	12207.2
25°	13885.5	13872.8	13822.1	13779.3	13986.9	14532.1	15579.6	*15733.3*	17058.1	15872.7	12348.3
27.5°	14731.7	14715.9	14617.6	14500.4	14619.2	15001.1	15926.6	*16048.7*	17360.8	16376.7	12419.6
30°	15747.6	15706.3	15520.9	15381.5	15427.4	15704.8	16498.7	*16609.6*	17828.3	16948.8	12489.3
32.5°	16921.8	16877.5	16609.6	16378.3	16378.3	16609.6	17088.2	*17180.2*	18224.5	17595.4	12601.8
35°	18392.5	18337.0	17988.4	17600.1	17490.8	17608.0	17891.7	*17956.7*	18937.6	18409.9	12806.3
37.5°	20126.2	20051.7	19600.1	19080.3	18841.0	18834.6	19039.1	*19172.2*	20077.1	19479.6	13153.3
40°	21864.6	21812.3	21417.7	21008.9	20539.8	20389.3	20704.6	*20745.8*	21566.7	20807.6	13597.1
42.5°	23208.5	23199.0	23126.1	23180.0	22699.8	22395.5	22642.8	*22676.0*	23386.0	22245.0	14069.3
45°	23918.5	23934.3	24287.7	25070.6	25248.1	25026.2	25148.2	*25157.7*	25465.2	23695.0	14501.9
47.5°	23349.5	23432.0	24325.7	26076.9	27530.1	28267.0	28064.1	*28181.4*	27481.0	24940.6	14841.1
50°	21132.5	21233.9	22755.3	25628.4	28595.0	31403.2	31297.0	*31270.1*	29106.9	25853.4	15024.9
52.5°	18386.1	18465.4	19720.5	23297.2	27813.8	33136.9	34111.5	*33972.0*	30552.2	26536.5	15059.8
55°	14204.0	14327.6	15530.4	18644.5	24653.8	32474.5	36181.2	*36056.0*	31869.1	26894.6	15018.6
57°	*10098.0*	*10227.9*	*11422.8*	*14229.4*	*20739.5*	*30181.4*	*36387.2*	*36520.3*	*32580.6*	*26954.8*	*15064.5*
57.5°	9010.8	9143.9	10327.7	13053.5	19519.2	29352.5	36209.7	*36431.6*	32709.0	26945.3	15089.9
60°	4537.1	4587.8	5342.2	7286.6	12338.8	23729.9	33894.4	*34466.5*	32824.7	26479.4	15199.2
62.5°	2820.8	2784.4	2760.6	3356.5	6003.0	15736.5	29116.4	*30217.8*	30610.8	25351.1	14934.6
65°	2480.1	2412.0	2150.5	2102.9	2651.3	7643.2	21926.4	*23297.2*	25880.4	23573.0	14303.9
67.5°	2329.6	2263.0	1968.2	1790.8	1792.3	3030.0	13612.9	*15156.4*	20161.0	20566.7	12815.8
70°	2174.3	2114.0	1838.3	1629.1	1526.1	1678.2	6262.9	*7434.0*	13142.2	16165.9	10711.3
72.5°	1974.6	1933.4	1671.9	1456.4	1347.0	1256.7	2397.7	*2831.9*	7608.3	10857.0	7438.8
75°	1765.4	1727.4	1503.9	1297.9	1164.8	988.9	1350.2	*1454.8*	3865.2	5554.5	3662.3
77.5°	1535.6	1513.4	1337.5	1147.4	1041.2	819.3	955.6	*1006.3*	1657.6	2381.9	1836.7
80°	1221.8	1264.6	1169.5	1022.2	923.9	656.1	676.7	*710.0*	965.1	1163.2	1042.8
82.5°	795.5	870.0	916.0	830.4	760.7	516.6	486.5	*500.8*	629.1	710.0	453.2
85°	331.2	372.4	602.2	543.6	505.5	377.2	326.5	*332.8*	389.8	404.1	185.4
87.5°	147.4	156.9	264.7	248.8	213.9	129.9	139.5	*152.1*	207.6	196.5	71.3
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: P321124
CATALOG NUMBER: GLEON-SA0B-830-U-AFL

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	10227.9	10227.9	10227.9	10227.9	10227.9	10227.9	10227.9	10227.9	10227.9	10227.9	10227.9
2.5°	10237.4	10104.3	9876.1	9624.1	9418.1	9253.3	9086.9	8972.8	8839.7	8768.4	8731.9
5°	10245.3	9983.9	9503.7	9010.8	8570.3	8167.7	7784.2	7489.5	7213.7	7064.8	7023.6
7.5°	10278.6	9885.6	9109.1	8297.7	7514.8	6800.1	6248.6	5903.2	5654.3	5543.4	5511.7
10°	10305.6	9769.9	8621.0	7419.7	6354.8	5630.6	5202.7	5009.4	4923.8	4909.5	4895.3
12.5°	10368.9	9651.1	8107.5	6503.8	5453.1	4952.3	4803.3	4790.7	4814.4	4849.3	4849.3
15°	10468.8	9533.8	7521.2	5717.7	4879.4	4703.5	4733.6	4803.3	4868.3	4922.2	4930.1
17.5°	10541.7	9389.6	6890.4	5088.6	4573.6	4621.1	4728.9	4827.1	4893.7	4946.0	4950.7
20°	10594.0	9166.1	6216.9	4608.4	4397.7	4545.0	4679.7	4766.9	4812.9	4865.1	4873.1
22.5°	10567.0	8866.6	5619.5	4264.5	4255.0	4434.1	4562.5	4667.1	4632.2	4581.5	4614.8
25°	10437.1	8454.6	5004.6	4007.8	4104.5	4285.1	4443.6	4373.9	4256.6	4234.4	4247.1
27.5°	10205.7	7928.4	4435.7	3770.1	3930.2	4147.3	4137.8	4068.0	4026.8	3998.3	4015.7
30°	9956.9	7357.9	3938.1	3562.5	3736.8	3915.9	3879.4	3877.9	3836.7	3790.7	3812.9
32.5°	9711.3	6784.3	3543.5	3391.3	3591.0	3614.8	3694.0	3717.8	3637.0	3540.3	3534.0
35°	9497.3	6242.3	3244.0	3236.0	3415.1	3418.3	3534.0	3500.7	3299.4	3199.6	3199.6
37.5°	9337.3	5701.9	3015.8	3096.6	3183.7	3266.1	3324.8	3186.9	3153.6	3098.2	3096.6
40°	9267.6	5226.5	2873.1	2990.4	3020.5	3125.1	2974.6	3028.4	3044.3	3015.8	3015.8
42.5°	9194.7	4812.9	2749.5	2909.6	2904.8	2890.6	2814.5	2884.2	2947.6	2949.2	2944.4
45°	9121.8	4456.3	2640.2	2736.8	2803.4	2649.7	2663.9	2738.4	2827.2	2858.9	2858.9
47.5°	9040.9	4174.2	2540.3	2554.6	2657.6	2554.6	2543.5	2600.6	2705.1	2755.9	2767.0
50°	8863.4	3920.6	2426.2	2394.5	2423.1	2457.9	2467.4	2494.4	2610.1	2690.9	2709.9
52.5°	8617.8	3694.0	2280.4	2247.2	2247.2	2378.7	2423.1	2431.0	2529.2	2625.9	2644.9
55°	8413.4	3549.8	2129.9	2123.6	2117.2	2294.7	2370.8	2383.4	2451.6	2527.7	2537.2
57°	*8427.6*	*3538.7*	*2014.2*	*2020.5*	*2019.0*	*2209.1*	*2321.6*	*2348.6*	*2383.4*	*2448.4*	*2459.5*
57.5°	8435.6	3546.6	1988.8	1992.0	1990.4	2185.4	2307.4	2337.5	2364.4	2432.6	2443.7
60°	8554.4	3567.2	1885.8	1851.0	1858.9	2058.6	2226.6	2264.6	2282.0	2372.4	2386.6
62.5°	8378.5	3475.3	1803.4	1719.4	1719.4	1925.5	2114.0	2174.3	2201.2	2323.2	2347.0
65°	7868.2	3217.0	1706.8	1570.5	1586.3	1792.3	1979.3	2077.6	2118.8	2270.9	2296.3
67.5°	7080.6	2917.5	1603.8	1437.4	1453.2	1652.9	1839.9	1946.1	2011.0	2213.9	2234.5
70°	6055.3	2551.4	1464.3	1296.3	1315.3	1500.7	1675.1	1795.5	1892.2	2160.0	2166.3
72.5°	4464.2	2091.9	1269.4	1141.0	1161.6	1323.3	1508.7	1648.1	1778.1	2025.3	2022.1
75°	2654.4	1635.5	1053.9	984.1	998.4	1148.9	1358.1	1527.7	1722.6	1973.0	2003.1
77.5°	1610.1	1231.3	858.9	824.1	841.5	995.2	1250.4	1431.0	1698.8	1860.5	1851.0
80°	973.0	879.5	686.2	664.0	681.4	851.0	1156.9	1358.1	1484.9	1589.5	1589.5
82.5°	508.7	537.2	503.9	486.5	510.3	690.9	1052.3	1185.4	1312.2	1126.7	1052.3
85°	207.6	280.5	305.9	304.3	318.5	478.6	908.1	1014.2	846.3	803.5	822.5
87.5°	69.7	118.9	149.0	128.4	134.7	301.1	629.1	489.7	581.6	405.7	385.1
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

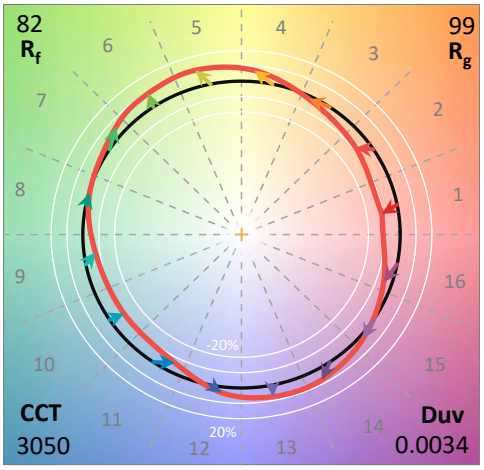
Test Information

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

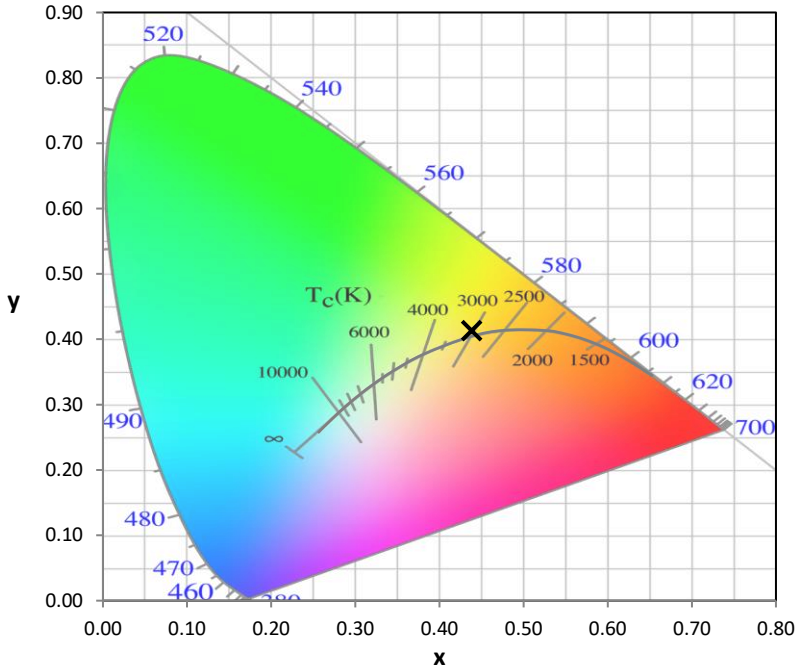
Stabilization Time:	20M
Operation Time:	1H 20M
Sphere Temperature (°C):	24.2

REPORT NUMBER: SP1-2408-195-9

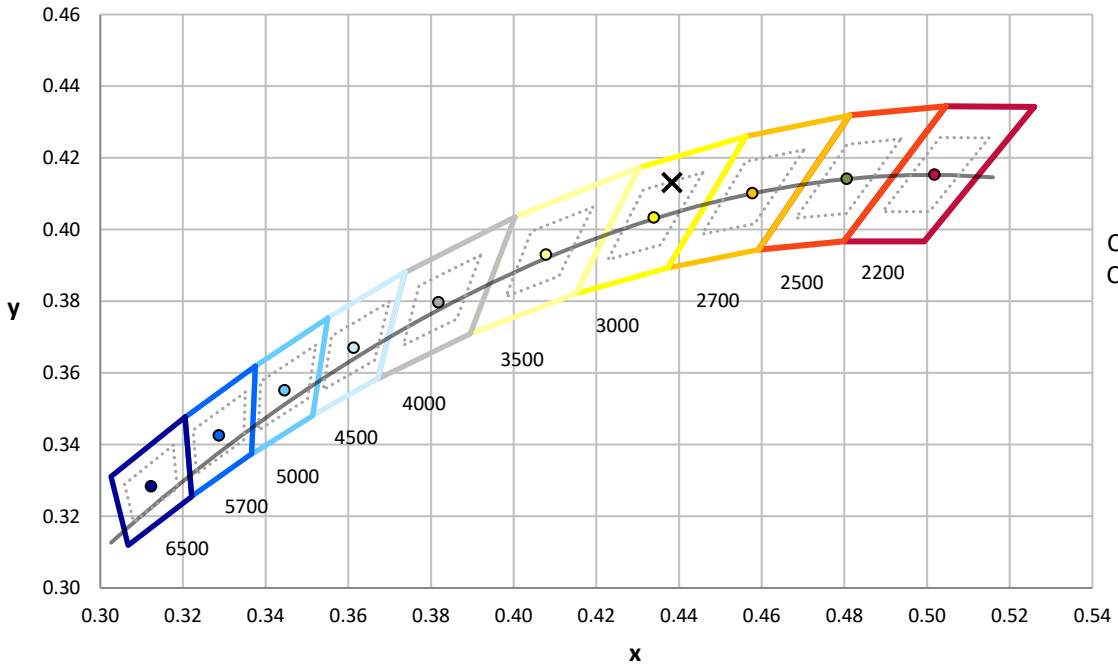
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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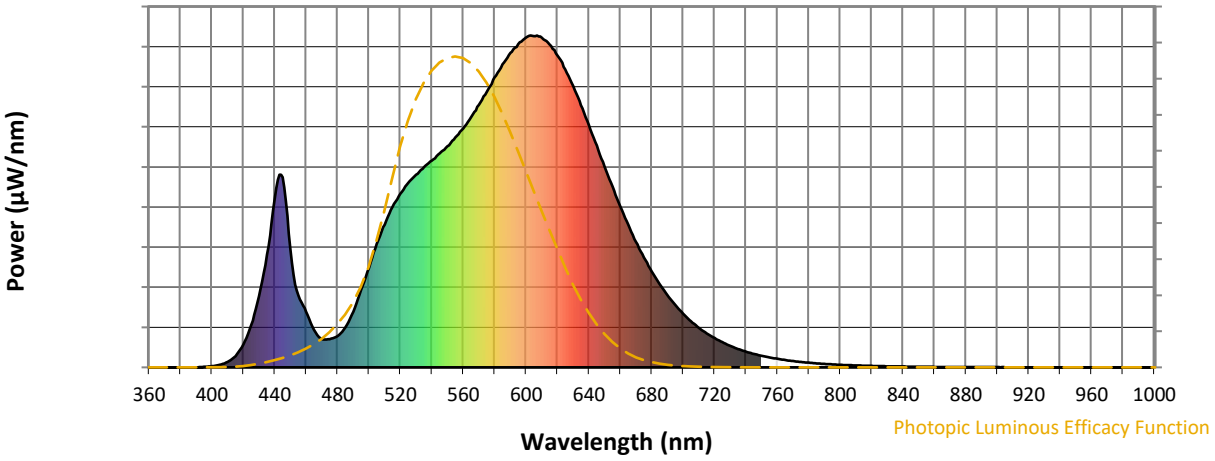
Photopic Flux vs. Wavelength



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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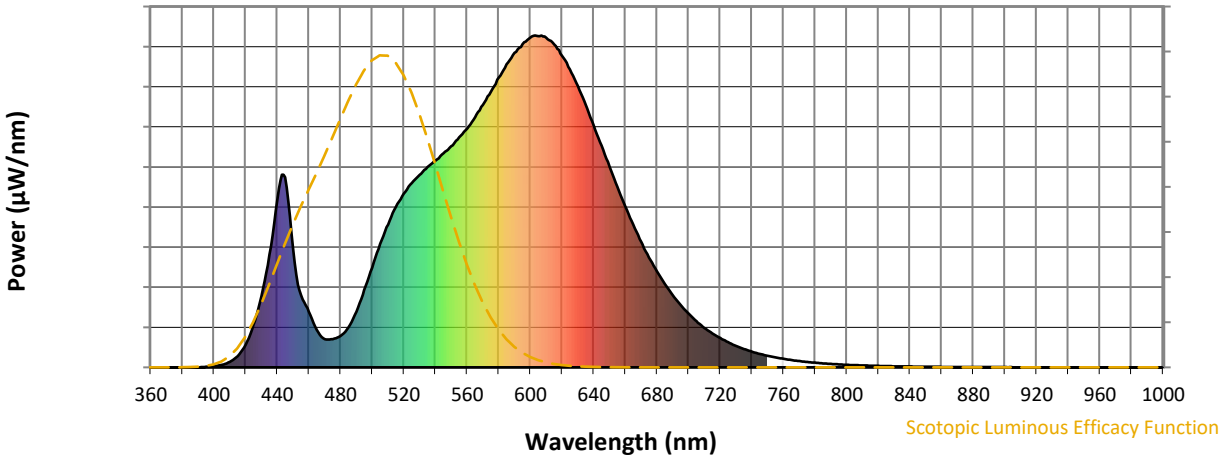
Scotopic Flux vs. Wavelength



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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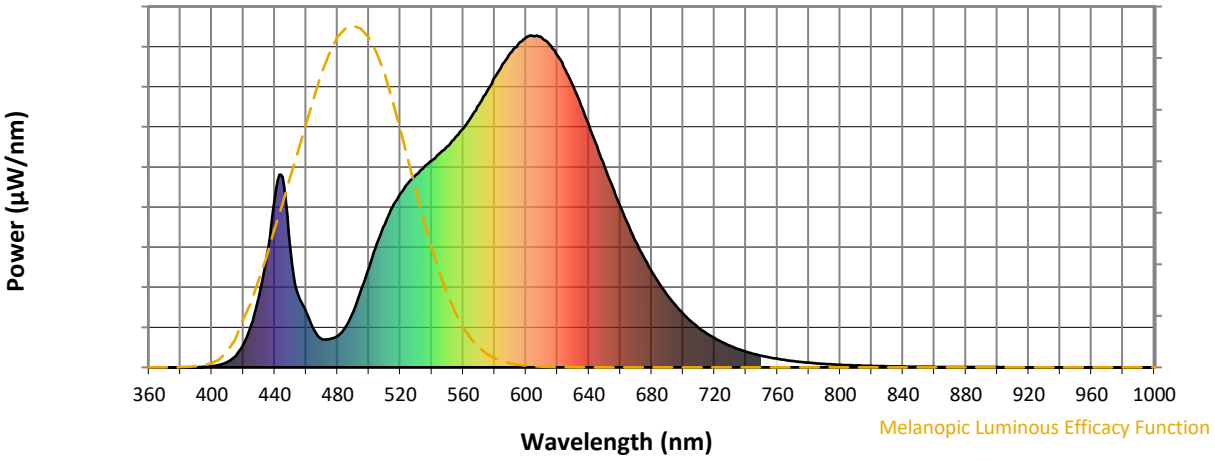
Melanopic Flux vs. Wavelength



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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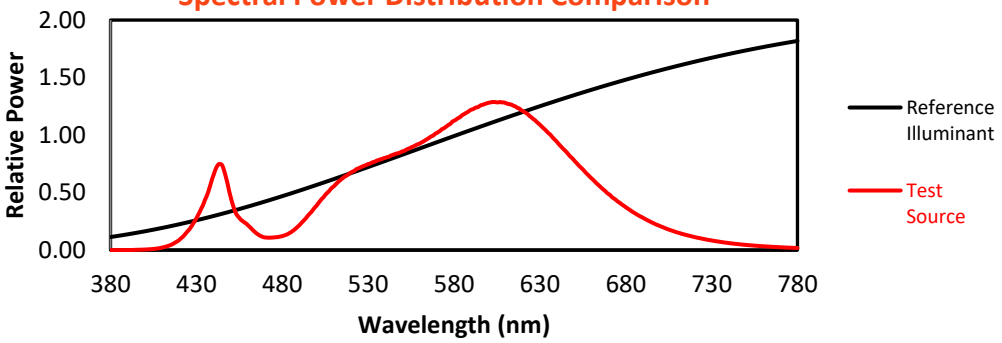
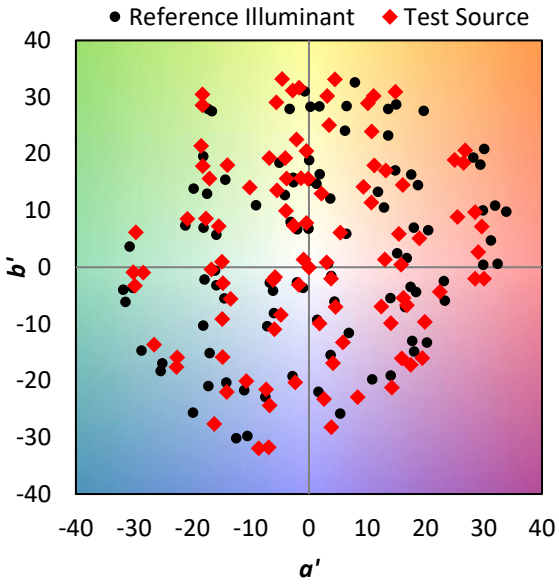
Summary

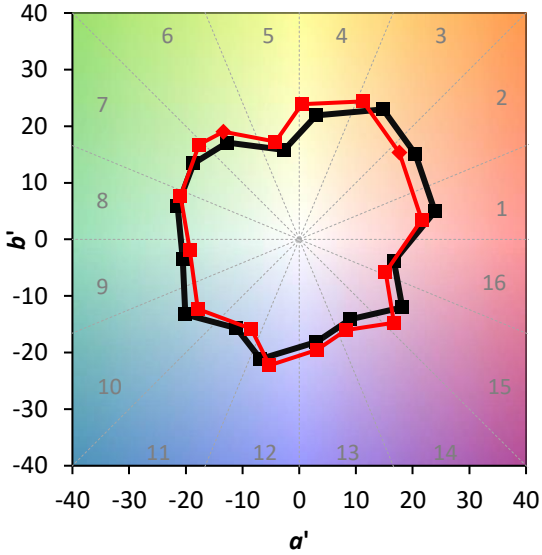
R_f = 81.5
R_g = 99.2
CIE R_a = 81.0
R_9 = 7.1

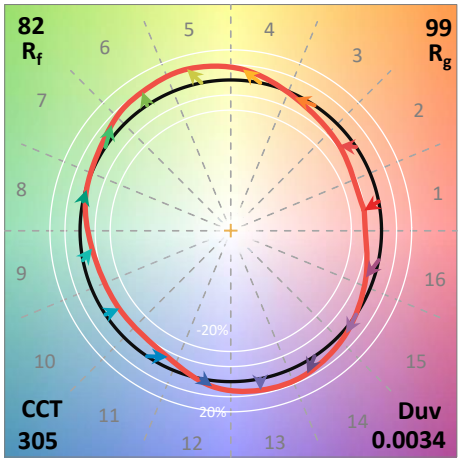
Spectral Power Distribution Comparison

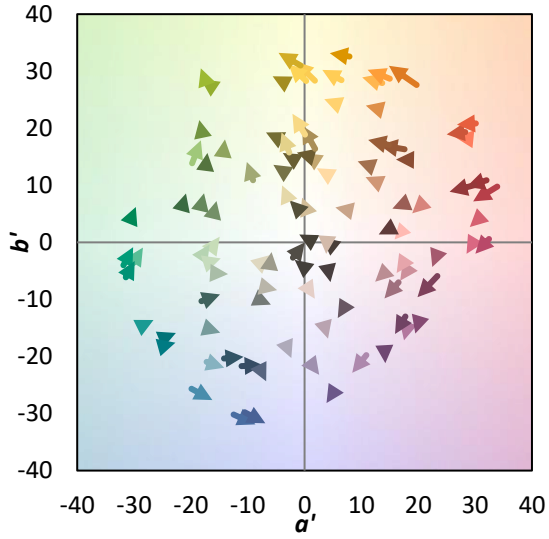


Color Vector Graphics









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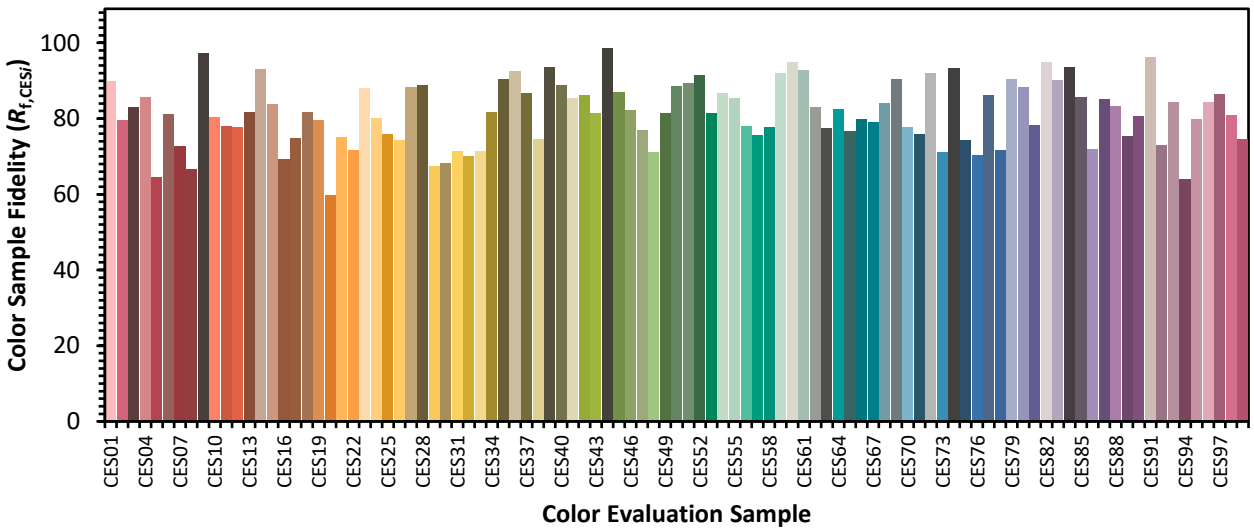
Individual Sample Fidelity Index ($R_{f,i}$)

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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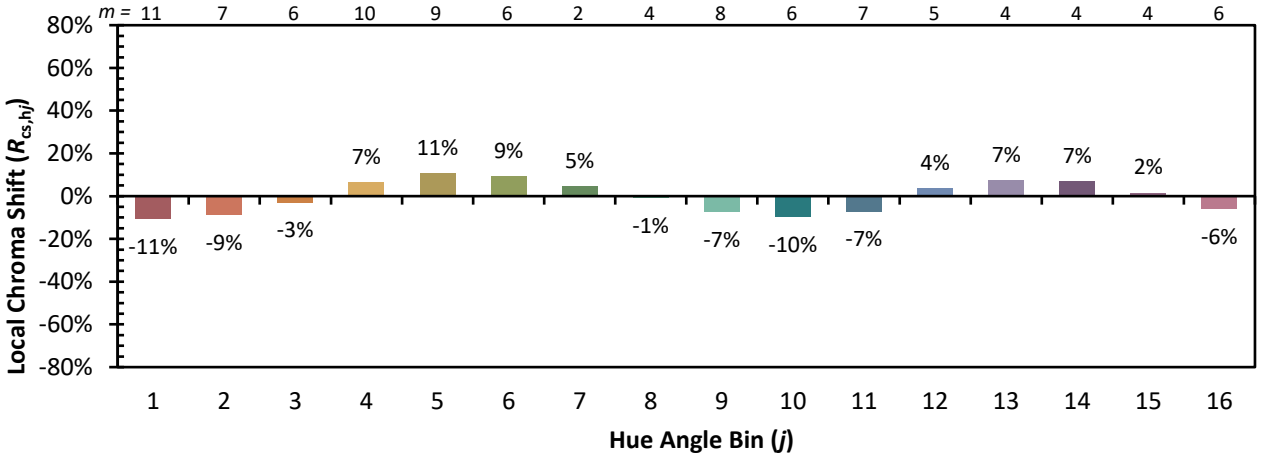
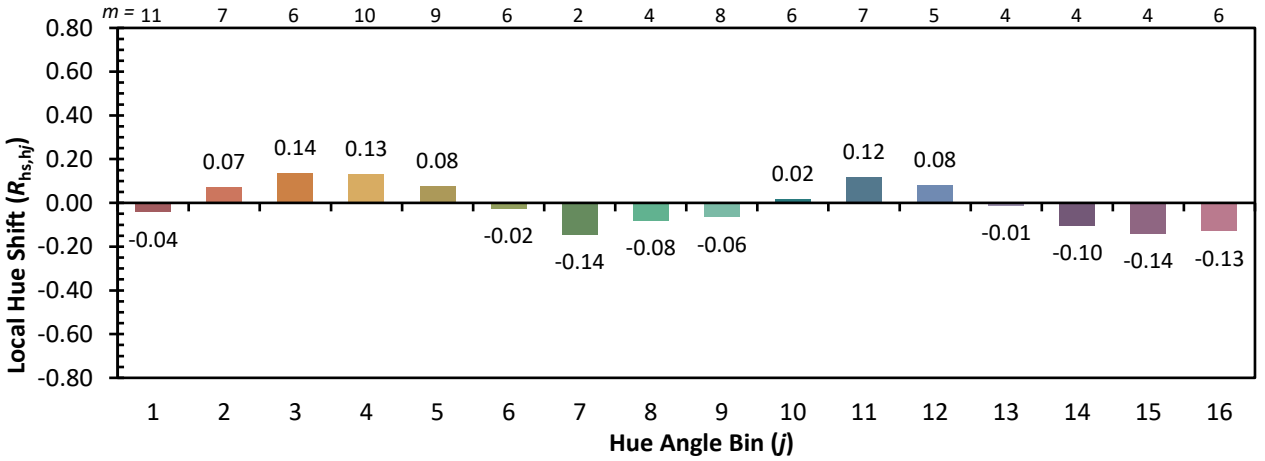
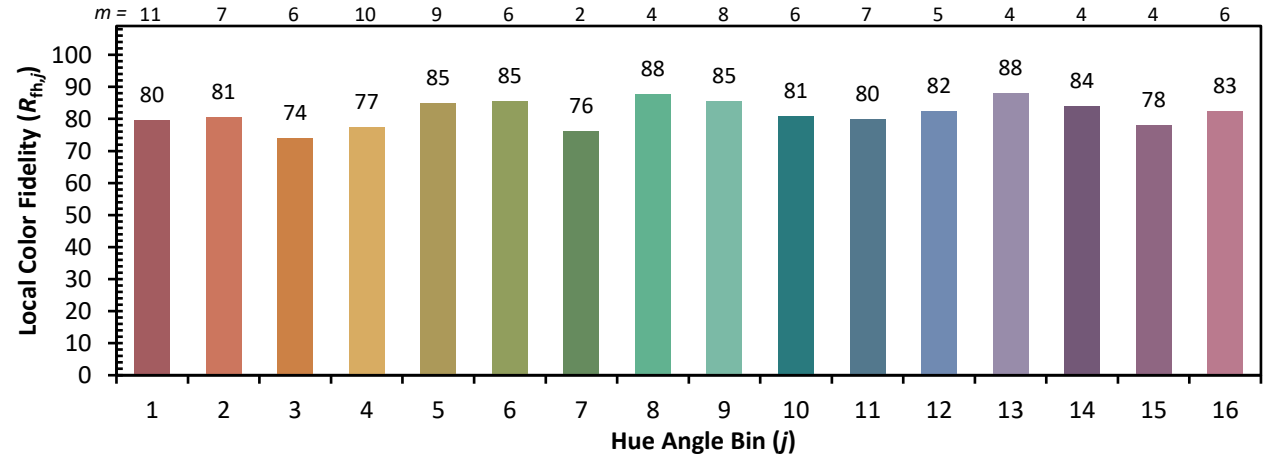
Color Rendition by Hue-Angle Bin







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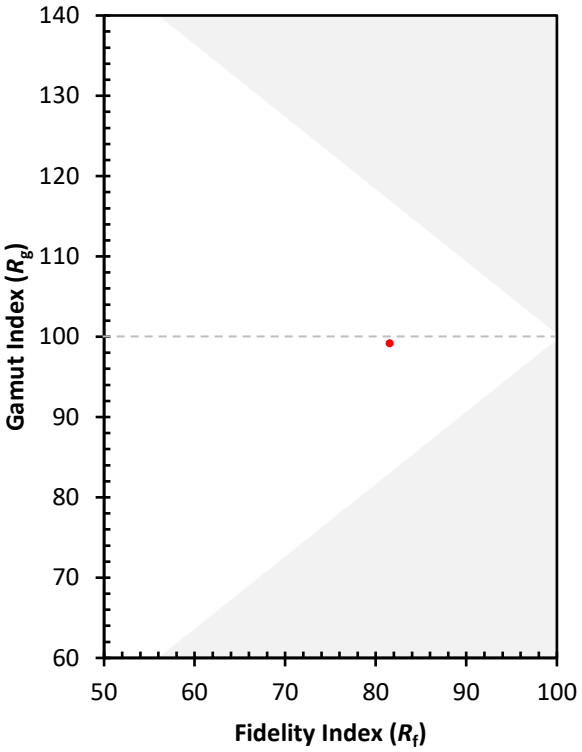
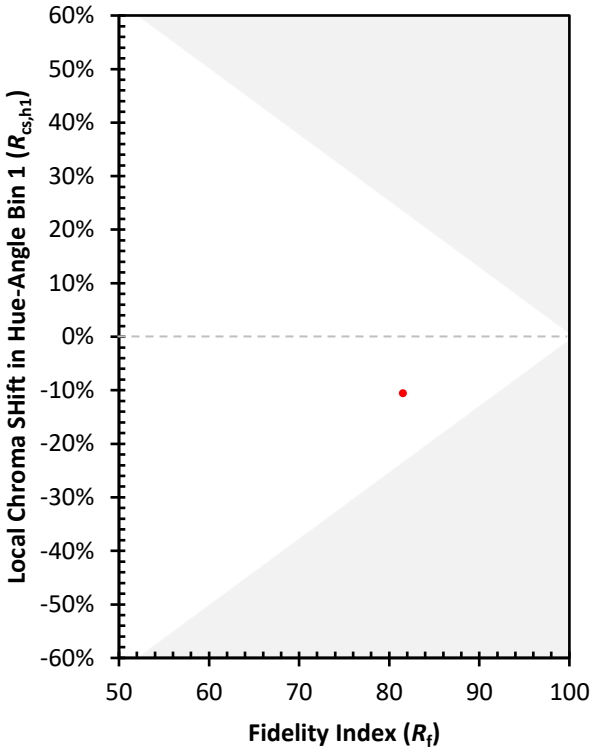
Measure Comparisons





(END OF REPORT)