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: P321131

Luminaire Tested: **GLEON-SA7C-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:	P321131
	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-SA7C-830-U-AFL
Description:	GALLEON AREA AND ROADWAY LUMINAIRE
	(7) 80 CRI, 3000K, 1050mA LIGHTSQUARES WITH 16 LEDS EACH AND AUTOMOTIVE FRONTLINE OPTICS
Light Source:	-
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	40786 lumens
Efficiency:	N/A
Efficacy:	104.3 lumens/watt
Luminous Opening:	Rectangular (W 2' x L: 1' x H: 0')
IES Classification:	Type II - Short
BUG Rating:	B3 - U0 - G3

Input Watts (W):	391
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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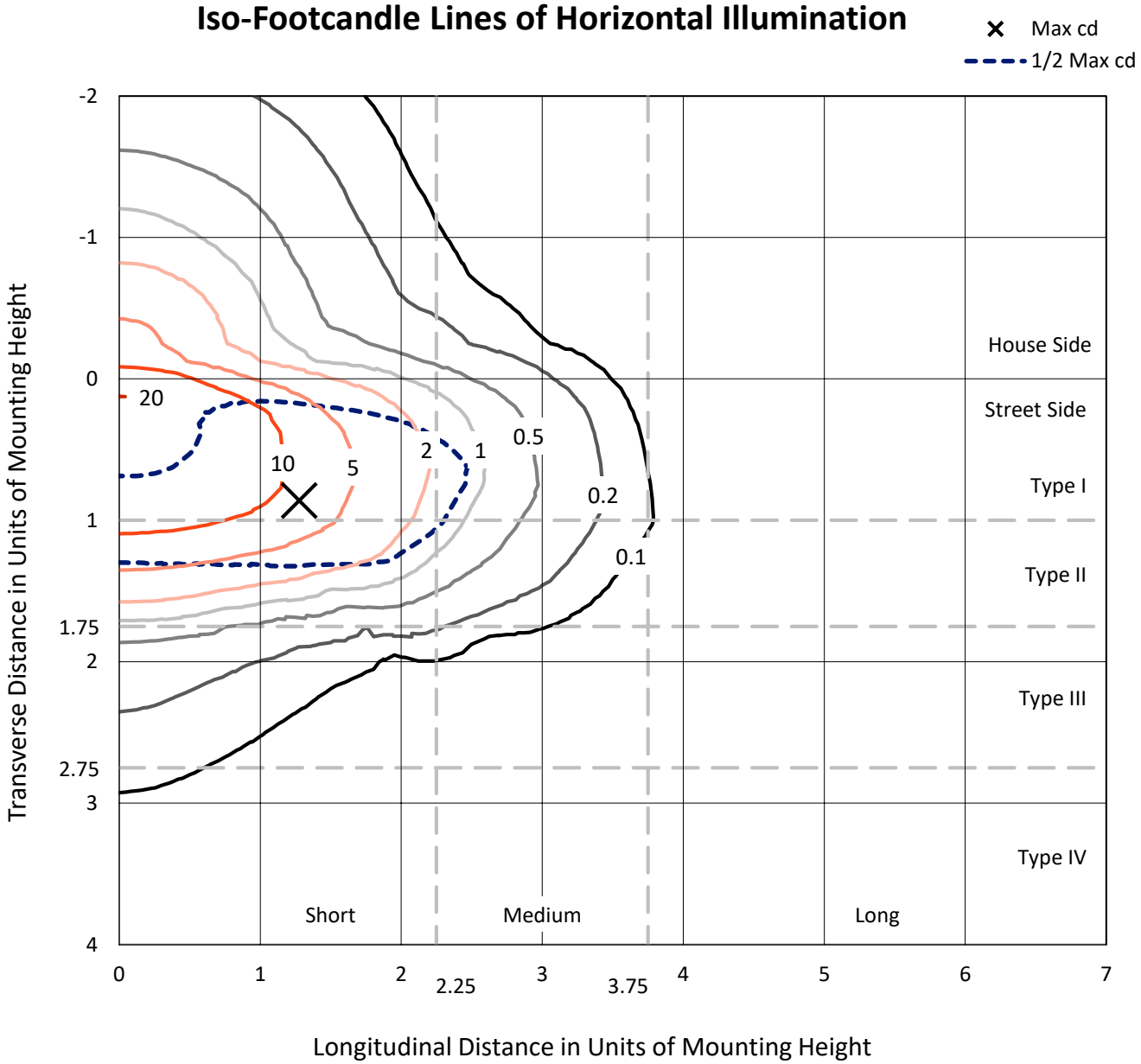
REPORT NUMBER: P321131
CATALOG NUMBER: GLEON-SA7C-830-U-AFL

Iso-Footcandle Lines of Horizontal Illumination



Based on 25 foot mounting height. Maximum calculated value = 20.1 fc
Type II - Short - N/A

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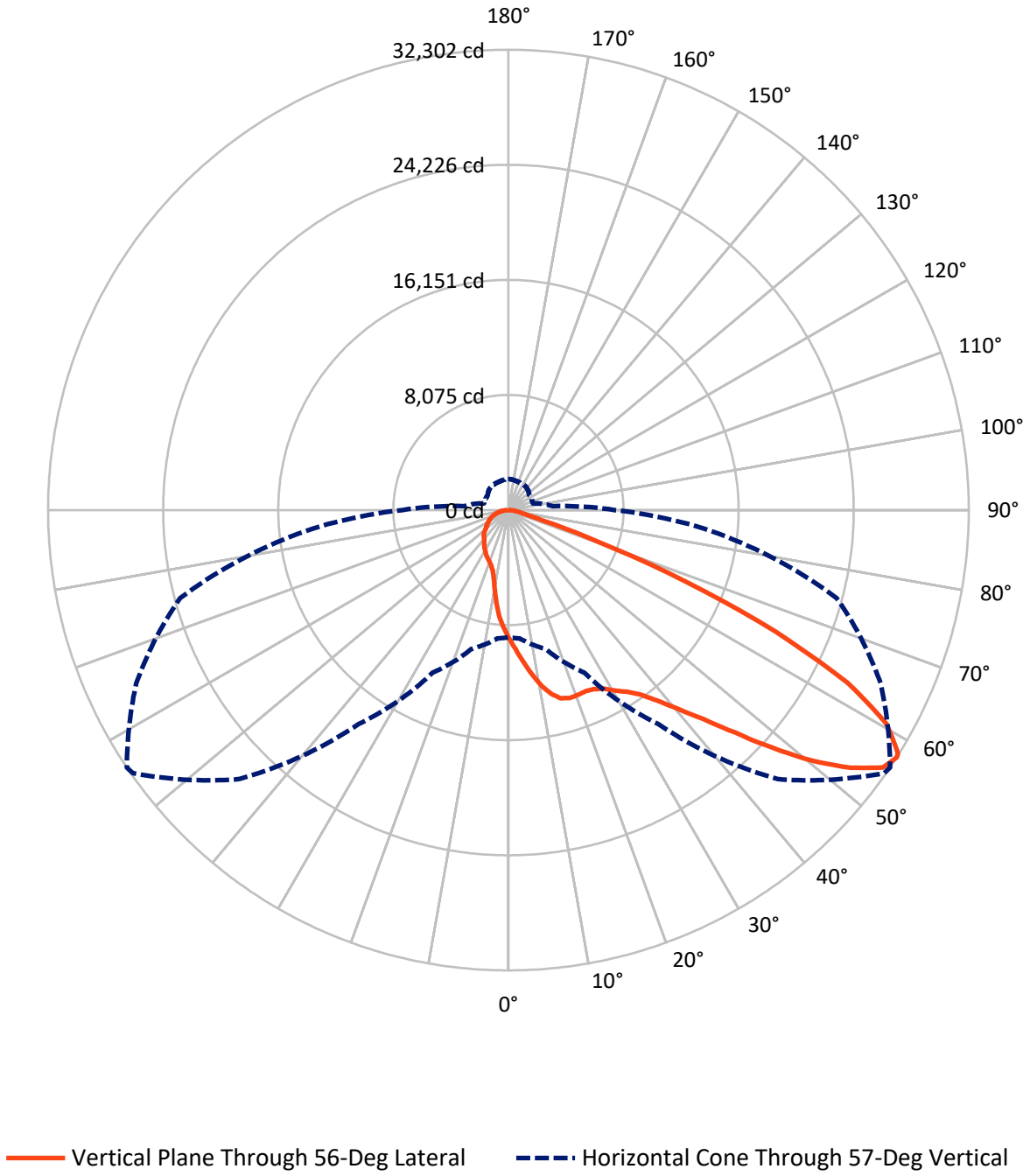
Luminous Intensity Polar Plot



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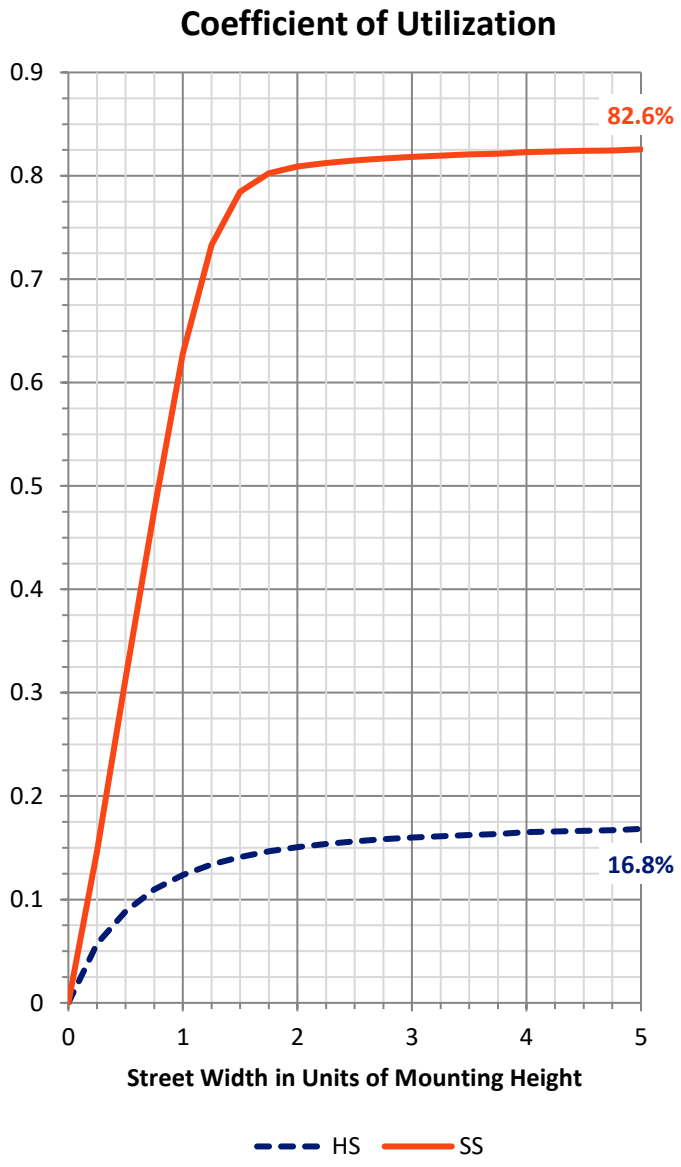
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	7030.6	0.0	7030.6
	% Fixture	17.2	0.0	17.2
Street Side	Lumens	33755.4	0.0	33755.4
	% Fixture	82.8	0.0	82.8
Total	Lumens	40786.0	0.0	40786.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	864.2	2.1
10°-20°	2443.2	6.0
20°-30°	3979.5	9.8
30°-40°	5948.8	14.6
40°-50°	9023.1	22.1
50°-60°	10113.3	24.8
60°-70°	5973.3	14.6
70°-80°	1957.1	4.8
80°-90°	483.5	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°	40786.0	100.0
0°-180°	40786.0	100.0



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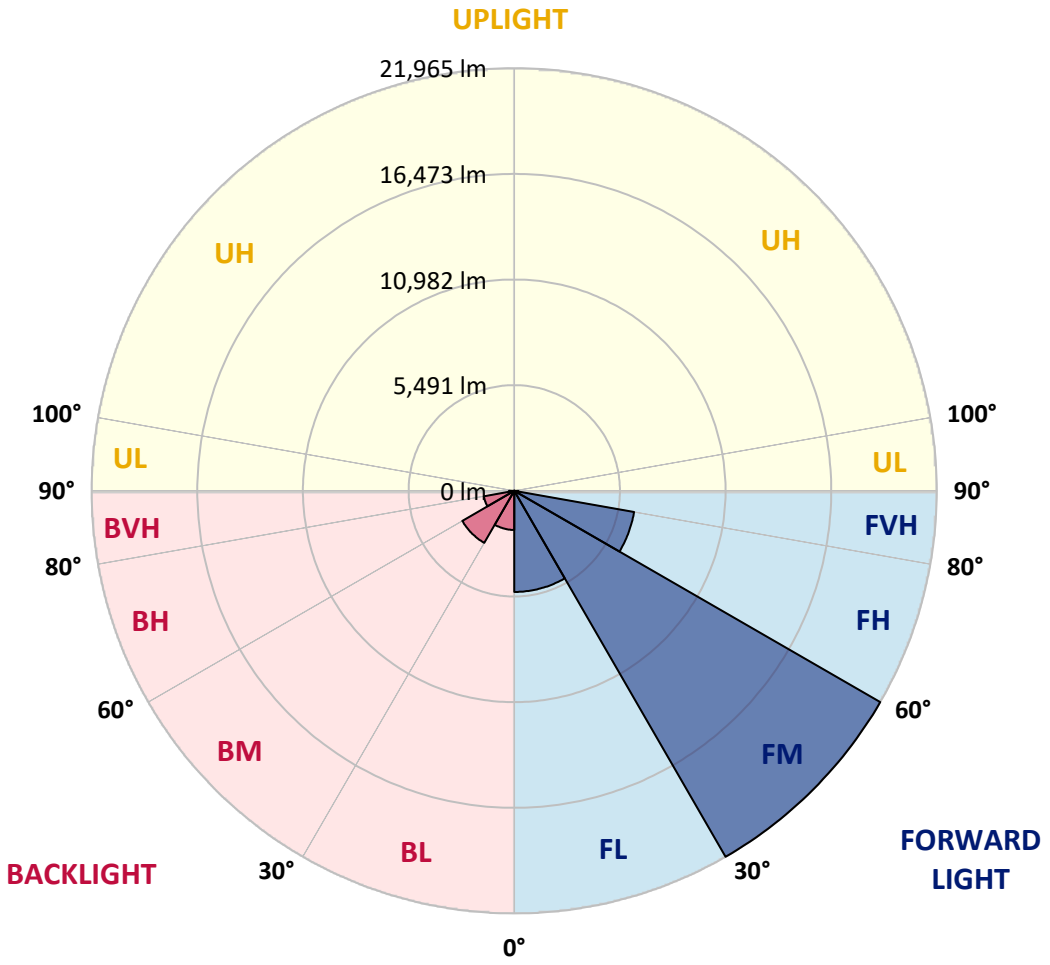
LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	5253.8	12.9			
FM	(30°-60°)	21964.6	53.9			
FH	(60°-80°)	6324.0	15.5			G3/7500
FVH	(80°-90°)	212.9	0.5			G2/225
BL	(0°-30°)	2032.9	5.0	B3/2500		
BM	(30°-60°)	3120.7	7.7	B3/5000		
BH	(60°-80°)	1606.4	3.9	B3/2500		G3/2500
BVH	(80°-90°)	270.6	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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REPORT NUMBER: P321131
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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	56°	65°	75°	85°
0°	9046.4	9046.4	9046.4	9046.4	9046.4	9046.4	9046.4	*9046.4*	9046.4	9046.4	9046.4
2.5°	10387.8	10483.1	10441.0	10295.3	10183.1	10024.7	9848.1	*9794.9*	9608.4	9399.6	9148.7
5°	12031.9	11984.3	11915.6	11688.5	11448.8	11169.9	10727.0	*10656.9*	10242.0	9769.6	9270.6
7.5°	12968.2	12964.0	12923.4	12790.2	12571.6	12207.1	11673.1	*11590.4*	10963.9	10204.2	9430.4
10°	12832.3	12822.5	12889.7	13028.5	13094.4	13018.7	12568.8	*12486.1*	11716.6	10684.9	9615.4
12.5°	12060.0	12065.6	12173.5	12465.0	12861.7	13338.3	13265.4	*13224.7*	12497.3	11228.8	9839.7
15°	11458.6	11471.3	11556.8	11810.5	12278.6	13143.5	13688.7	*13702.7*	13252.8	11828.7	10101.8
17.5°	11195.1	11221.8	11261.0	11439.0	11867.9	12755.2	13789.6	*13865.3*	13914.4	12451.0	10354.1
20°	11279.2	11304.5	11315.7	11429.2	11781.0	12519.7	13719.5	*13855.5*	14421.8	13036.9	10606.4
22.5°	11656.3	11671.7	11678.7	11708.1	11981.5	12587.0	13673.3	*13816.3*	14789.0	13562.5	10797.1
25°	12281.4	12270.2	12225.4	12187.5	12371.1	12853.3	13779.8	*13915.8*	15087.6	14039.1	10921.8
27.5°	13029.9	13015.9	12929.0	12825.3	12930.4	13268.2	14086.8	*14194.7*	15355.3	14484.8	10984.9
30°	13928.4	13891.9	13727.9	13604.6	13645.2	13890.5	14592.8	*14690.9*	15768.8	14990.9	11046.6
32.5°	14967.0	14927.8	14690.9	14486.2	14486.2	14690.9	15114.2	*15195.5*	16119.2	15562.7	11146.1
35°	16267.8	16218.7	15910.3	15566.9	15470.2	15573.9	15824.8	*15882.3*	16749.9	16283.2	11326.9
37.5°	17801.2	17735.3	17335.8	16876.1	16664.4	16658.8	16839.7	*16957.4*	17757.7	17229.3	11633.9
40°	19338.8	19292.6	18943.6	18581.9	18167.0	18033.9	18312.8	*18349.2*	19075.3	18403.9	12026.3
42.5°	20527.4	20519.0	20454.6	20502.2	20077.5	19808.4	20027.0	*20056.5*	20684.4	19675.2	12444.0
45°	21155.4	21169.4	21482.0	22174.4	22331.4	22135.2	22243.1	*22251.5*	22523.4	20957.8	12826.7
47.5°	20652.2	20725.1	21515.6	23064.5	24349.8	25001.6	24822.2	*24925.9*	24306.3	22059.5	13126.6
50°	18691.3	18781.0	20126.6	22667.8	25291.7	27775.5	27681.6	*27657.7*	25744.5	22866.8	13289.2
52.5°	16262.2	16332.2	17442.4	20605.9	24600.7	29308.9	30170.9	*30047.6*	27022.8	23470.9	13320.1
55°	12563.2	12672.5	13736.4	16490.6	21805.8	28723.0	32001.5	*31890.8*	28187.6	23787.7	13283.6
57°	*8931.4*	*9046.4*	*10103.2*	*12585.6*	*18343.6*	*26694.8*	*32183.7*	*32301.5*	*28816.9*	*23841.0*	*13324.3*
57.5°	7969.9	8087.6	9134.7	11545.5	17264.4	25961.7	32026.7	*32223.0*	28930.4	23832.6	13346.7
60°	4013.0	4057.8	4725.0	6444.9	10913.4	20988.6	29978.9	*30484.9*	29032.8	23420.5	13443.4
62.5°	2495.0	2462.7	2441.7	2968.7	5309.5	13918.6	25752.9	*26727.0*	27074.6	22422.5	13209.3
65°	2193.6	2133.3	1902.1	1860.0	2345.0	6760.2	19393.5	*20605.9*	22890.7	20849.8	12651.5
67.5°	2060.5	2001.6	1740.9	1583.9	1585.3	2680.0	12040.3	*13405.6*	17832.0	18190.9	11335.3
70°	1923.1	1869.8	1625.9	1440.9	1349.8	1484.4	5539.4	*6575.2*	11624.0	14298.4	9473.9
72.5°	1746.5	1710.0	1478.8	1288.1	1191.4	1111.5	2120.7	*2504.8*	6729.4	9602.8	6579.4
75°	1561.5	1527.8	1330.2	1148.0	1030.2	874.6	1194.2	*1286.7*	3418.7	4912.8	3239.3
77.5°	1358.2	1338.6	1183.0	1014.8	920.9	724.7	845.2	*890.1*	1466.1	2106.7	1624.5
80°	1080.7	1118.5	1034.4	904.1	817.2	580.3	598.5	*627.9*	853.6	1028.8	922.3
82.5°	703.6	769.5	810.2	734.5	672.8	456.9	430.3	*442.9*	556.5	627.9	400.9
85°	292.9	329.4	532.6	480.8	447.1	333.6	288.7	*294.4*	344.8	357.4	164.0
87.5°	130.4	138.8	234.1	220.1	189.2	114.9	123.3	*134.6*	183.6	173.8	63.1
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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Scaled Data Report

REPORT NUMBER: P321131
CATALOG NUMBER: GLEON-SA7C-830-U-AFL

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	9046.4	9046.4	9046.4	9046.4	9046.4	9046.4	9046.4	9046.4	9046.4	9046.4	9046.4
2.5°	9054.8	8937.0	8735.2	8512.3	8330.1	8184.3	8037.2	7936.3	7818.5	7755.4	7723.2
5°	9061.8	8830.5	8405.8	7969.9	7580.2	7224.2	6885.0	6624.3	6380.4	6248.6	6212.2
7.5°	9091.2	8743.6	8056.8	7339.1	6646.7	6014.6	5526.8	5221.2	5001.2	4903.0	4875.0
10°	9115.1	8641.3	7625.1	6562.6	5620.7	4980.1	4601.7	4430.7	4355.0	4342.4	4329.8
12.5°	9171.1	8536.2	7170.9	5752.4	4823.1	4380.2	4248.5	4237.2	4258.3	4289.1	4289.1
15°	9259.4	8432.4	6652.3	5057.2	4315.7	4160.2	4186.8	4248.5	4305.9	4353.6	4360.6
17.5°	9323.9	8304.9	6094.5	4500.8	4045.2	4087.3	4182.6	4269.5	4328.4	4374.6	4378.8
20°	9370.2	8107.3	5498.7	4076.1	3889.6	4020.0	4139.1	4216.2	4256.9	4303.1	4310.1
22.5°	9346.3	7842.3	4970.3	3771.9	3763.5	3921.9	4035.4	4127.9	4097.1	4052.2	4081.7
25°	9231.4	7477.9	4426.5	3544.8	3630.3	3790.1	3930.3	3868.6	3764.9	3745.3	3756.5
27.5°	9026.7	7012.6	3923.3	3334.6	3476.1	3668.2	3659.8	3598.1	3561.6	3536.4	3551.8
30°	8806.7	6507.9	3483.1	3151.0	3305.1	3463.5	3431.3	3429.9	3393.4	3352.8	3372.4
32.5°	8589.4	6000.5	3134.1	2999.6	3176.2	3197.2	3267.3	3288.3	3216.8	3131.3	3125.7
35°	8400.2	5521.2	2869.2	2862.2	3020.6	3023.4	3125.7	3096.3	2918.3	2830.0	2830.0
37.5°	8258.6	5043.2	2667.4	2738.9	2816.0	2888.8	2940.7	2818.8	2789.3	2740.3	2738.9
40°	8197.0	4622.7	2541.2	2644.9	2671.6	2764.1	2630.9	2678.6	2692.6	2667.4	2667.4
42.5°	8132.5	4256.9	2431.9	2573.5	2569.3	2556.6	2489.4	2551.0	2607.1	2608.5	2604.3
45°	8068.0	3941.5	2335.2	2420.7	2479.6	2343.6	2356.2	2422.1	2500.6	2528.6	2528.6
47.5°	7996.5	3692.0	2246.9	2259.5	2350.6	2259.5	2249.7	2300.1	2392.6	2437.5	2447.3
50°	7839.5	3467.7	2146.0	2117.9	2143.2	2174.0	2182.4	2206.2	2308.5	2380.0	2396.9
52.5°	7622.3	3267.3	2017.0	1987.6	1987.6	2103.9	2143.2	2150.2	2237.1	2322.6	2339.4
55°	7441.5	3139.7	1883.8	1878.2	1872.6	2029.6	2096.9	2108.1	2168.4	2235.7	2244.1
57°	*7454.1*	*3129.9*	*1781.5*	*1787.1*	*1785.7*	*1953.9*	*2053.4*	*2077.3*	*2108.1*	*2165.6*	*2175.4*
57.5°	7461.1	3136.9	1759.1	1761.9	1760.5	1932.9	2040.8	2067.5	2091.3	2151.6	2161.4
60°	7566.2	3155.2	1668.0	1637.1	1644.2	1820.8	1969.3	2003.0	2018.4	2098.3	2110.9
62.5°	7410.6	3073.9	1595.1	1520.8	1520.8	1703.0	1869.8	1923.1	1946.9	2054.8	2075.9
65°	6959.3	2845.4	1509.6	1389.1	1403.1	1585.3	1750.7	1837.6	1874.0	2008.6	2031.0
67.5°	6262.7	2580.5	1418.5	1271.3	1285.3	1461.9	1627.3	1721.2	1778.7	1958.1	1976.4
70°	5355.8	2256.7	1295.1	1146.6	1163.4	1327.4	1481.6	1588.1	1673.6	1910.5	1916.1
72.5°	3948.5	1850.2	1122.7	1009.2	1027.4	1170.4	1334.4	1457.7	1572.7	1791.3	1788.5
75°	2347.8	1446.5	932.1	870.4	883.1	1016.2	1201.2	1351.2	1523.6	1745.1	1771.7
77.5°	1424.1	1089.1	759.7	728.9	744.3	880.2	1105.9	1265.7	1502.6	1645.6	1637.1
80°	860.6	777.9	606.9	587.3	602.7	752.7	1023.2	1201.2	1313.4	1405.9	1405.9
82.5°	449.9	475.2	445.7	430.3	451.3	611.1	930.7	1048.4	1160.6	996.6	930.7
85°	183.6	248.1	270.5	269.1	281.7	423.3	803.2	897.1	748.5	710.6	727.5
87.5°	61.7	105.1	131.8	113.5	119.1	266.3	556.5	433.1	514.4	358.8	340.6
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

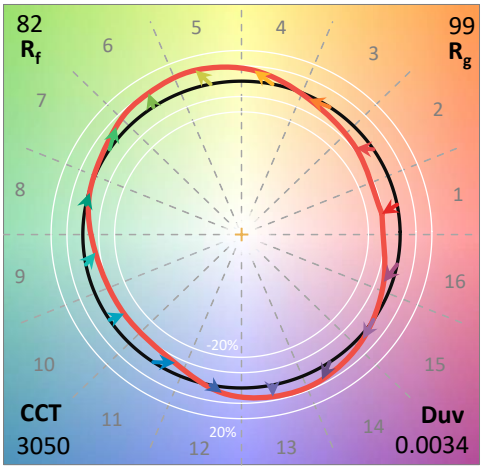
Test Information

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

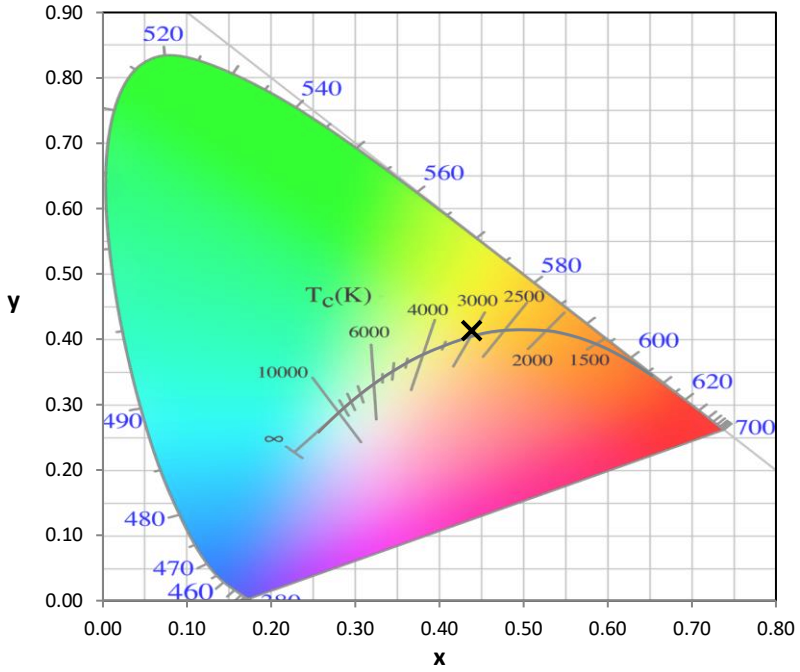
Stabilization Time:	20M
Operation Time:	1H 20M
Sphere Temperature (°C):	24.2

REPORT NUMBER: SP1-2408-195-9

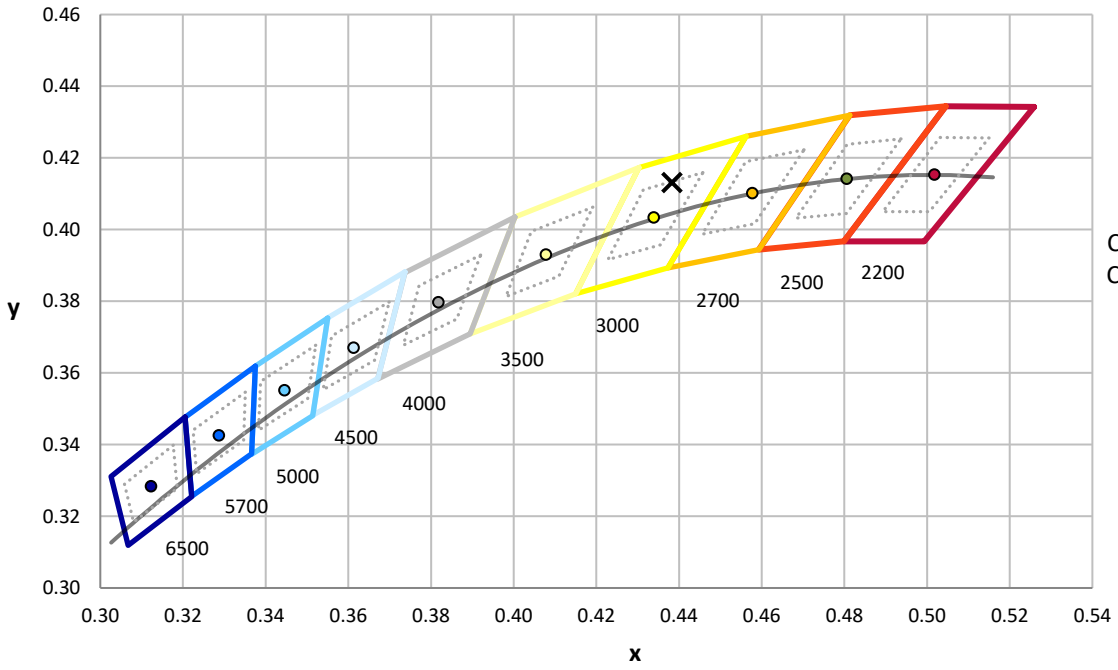
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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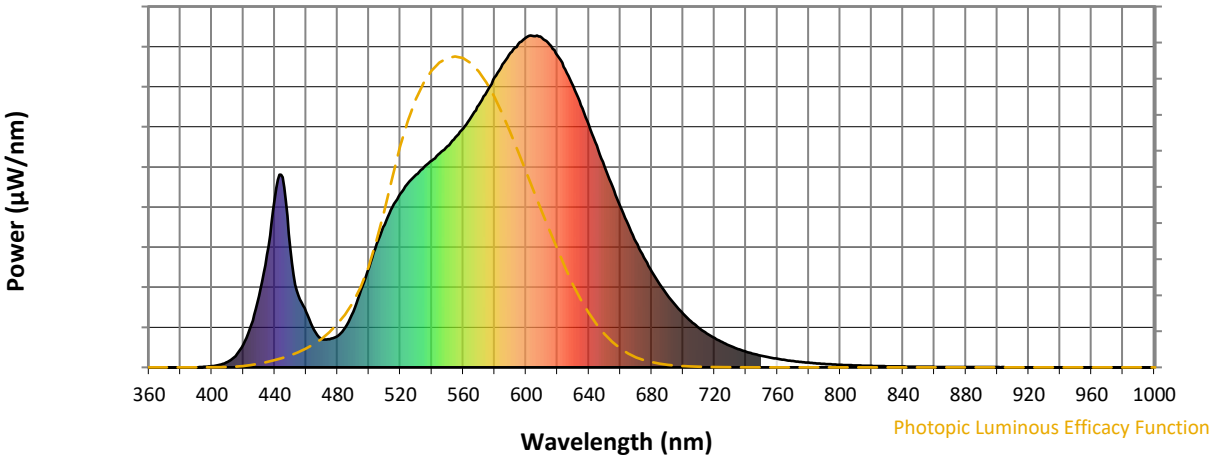
Photopic Flux vs. Wavelength



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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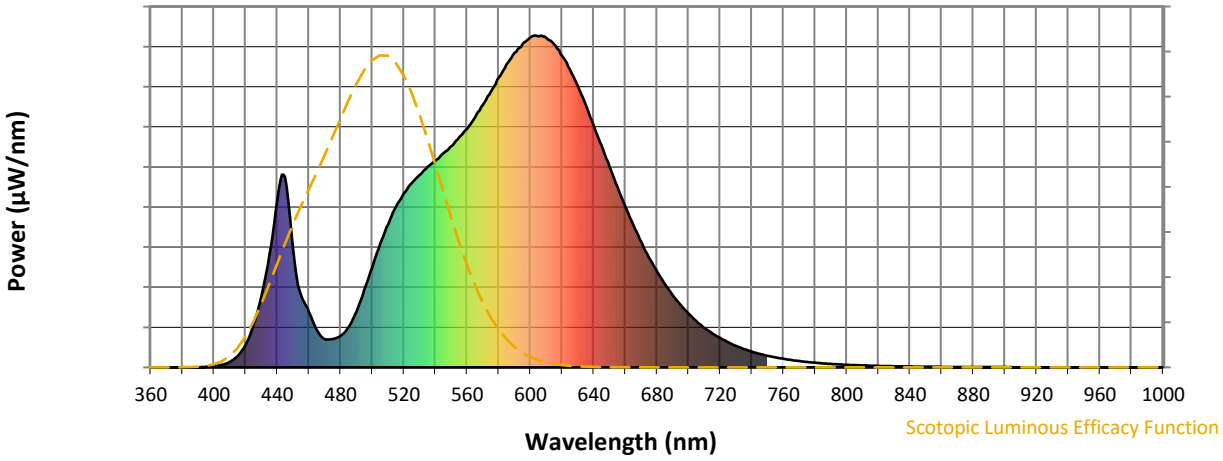
Scotopic Flux vs. Wavelength



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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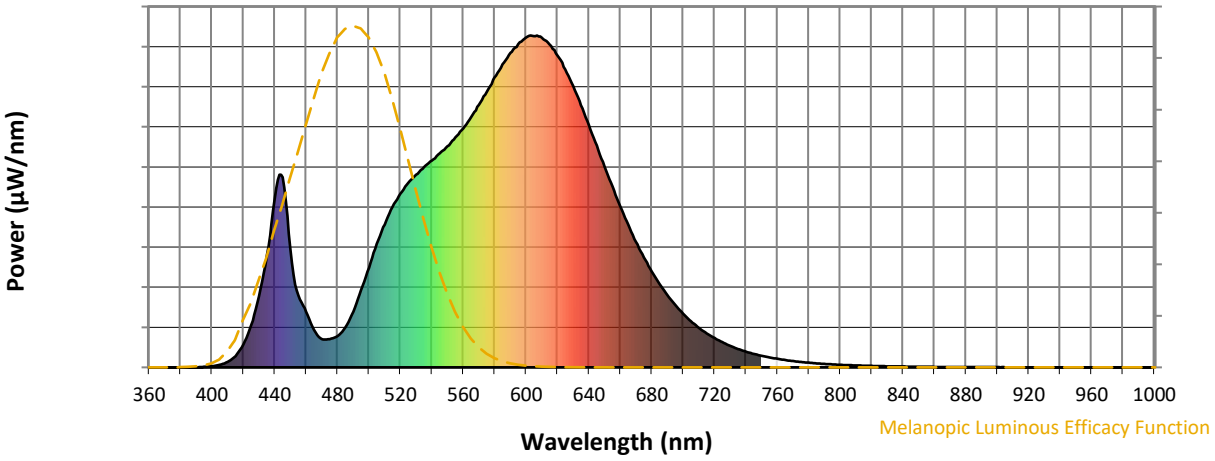
Melanopic Flux vs. Wavelength



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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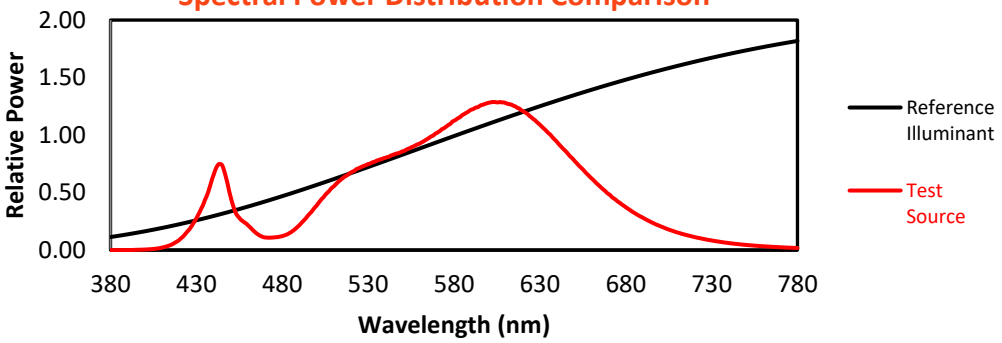
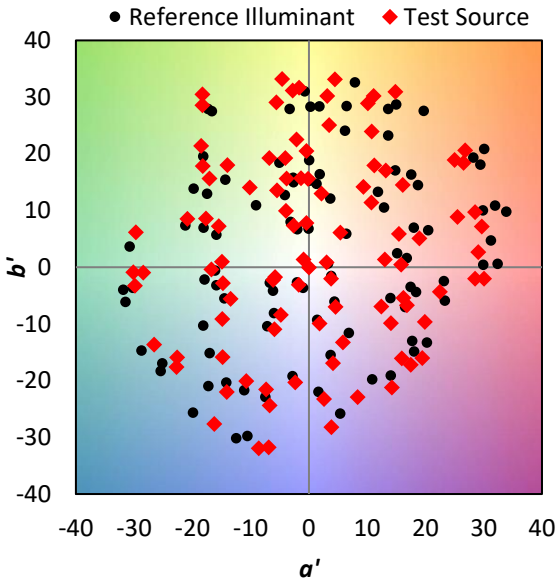
Summary

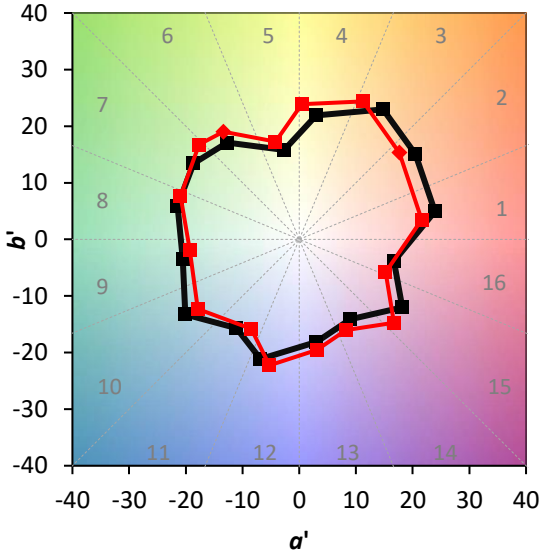
R_f = 81.5
R_g = 99.2
CIE R_a = 81.0
R_9 = 7.1

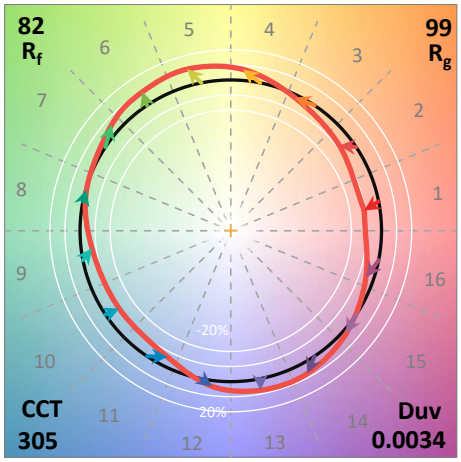
Spectral Power Distribution Comparison

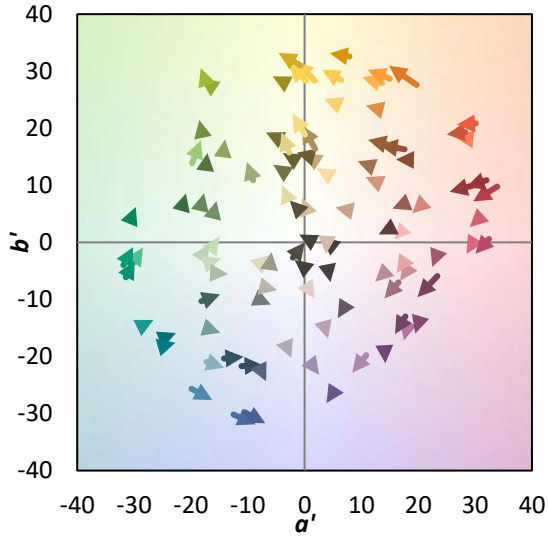


Color Vector Graphics









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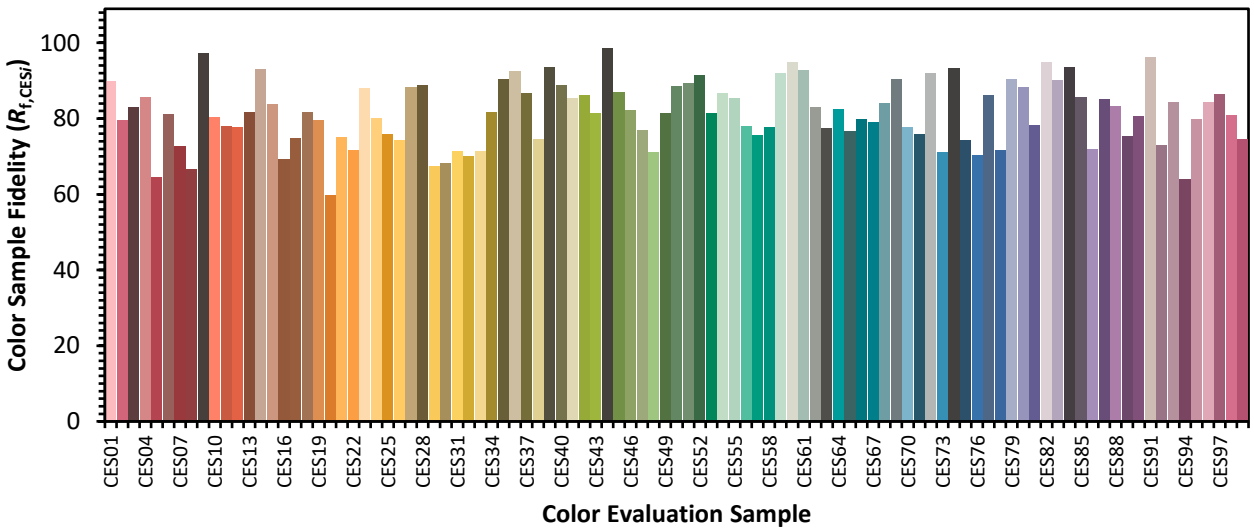
Individual Sample Fidelity Index ($R_{f,i}$)

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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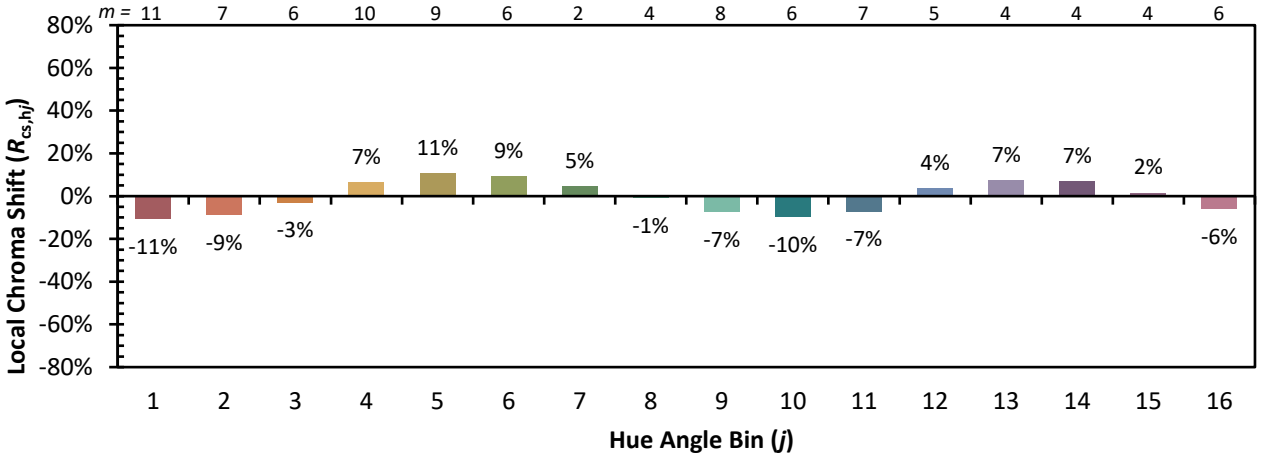
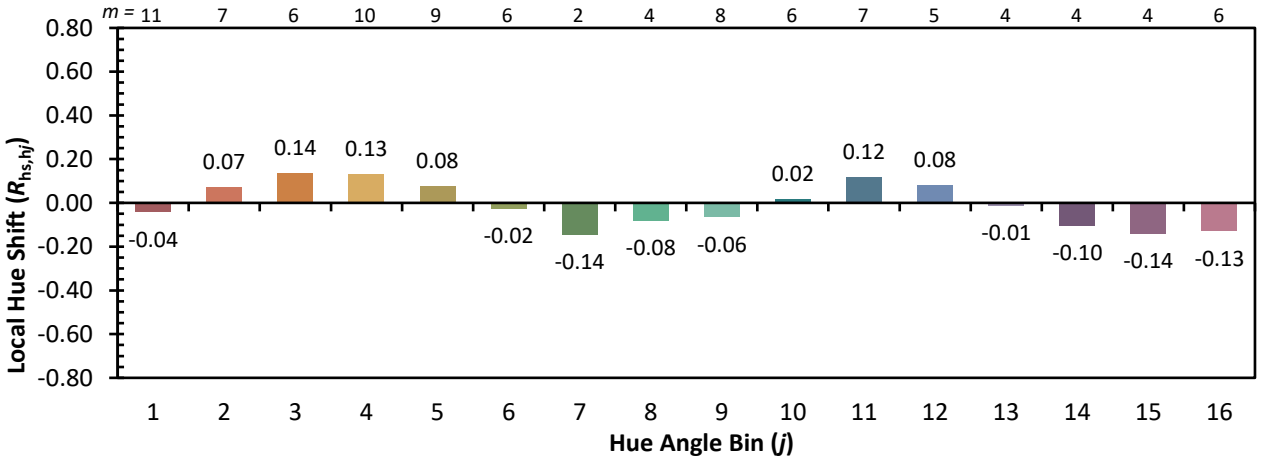
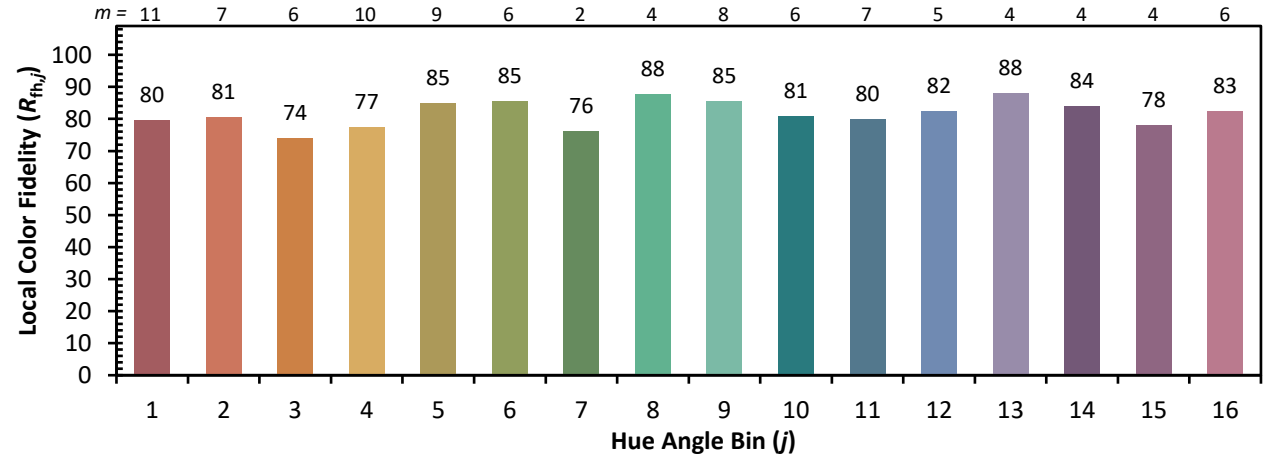
Color Rendition by Hue-Angle Bin







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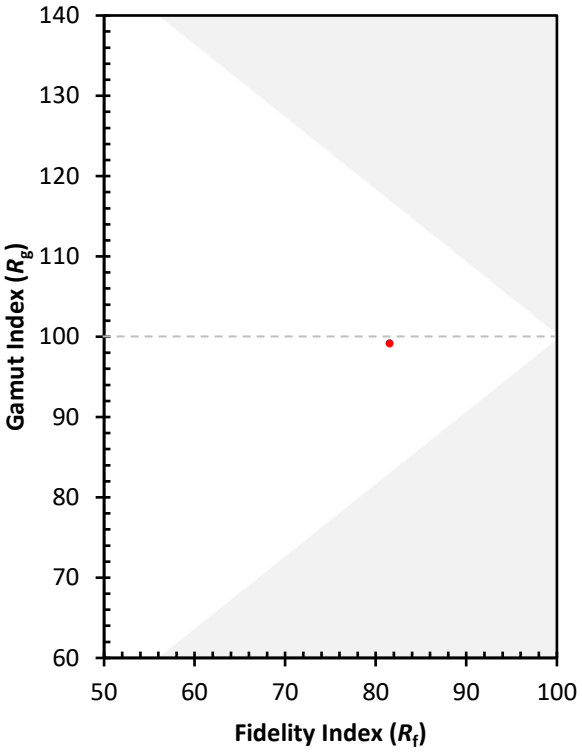
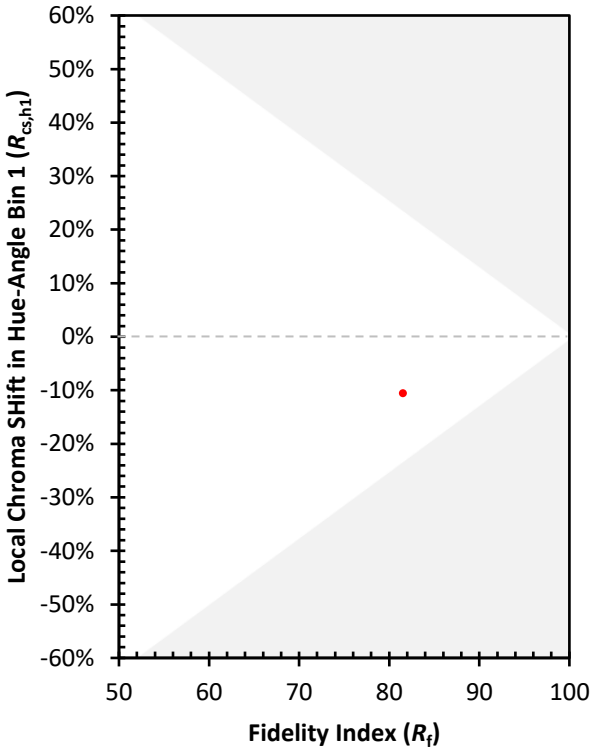
Measure Comparisons





(END OF REPORT)