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: P318887

Luminaire Tested: **GLEON-SA3C-830-U-T4FT**

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:	P318887
	TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-16)
Test Lab:	INNOVATION CENTER
Issue Date:	3/3/2020
Manufacturer:	COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line:	McGRAW-EDISON
Catalog Number:	GLEON-SA3C-830-U-T4FT
Description:	GALLEON AREA AND ROADWAY LUMINAIRE
	(3) 80 CRI, 3000K, 1050mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE IV FORWARD THROW OPTICS
Light Source:	-
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	17264 lumens
Efficiency:	N/A
Efficacy:	104.0 lumens/watt
Luminous Opening:	Rectangular (W 1' x L: 1' x H: 0')
IES Classification:	Type IV - Short
BUG Rating:	B2 - U0 - G4

Input Watts (W):	166
Input Voltage (V):	NR
Input Current (Ain):	NR
Voltage Rise (V):	NR
Power Factor:	NR
Total Harmonic Distortion (THDi):	NR
Frequency (hertz):	60
Stabilization Time:	NR
Operation Time:	NR
Ambient Temperature (°C):	NR
Test Distance:	24 FT

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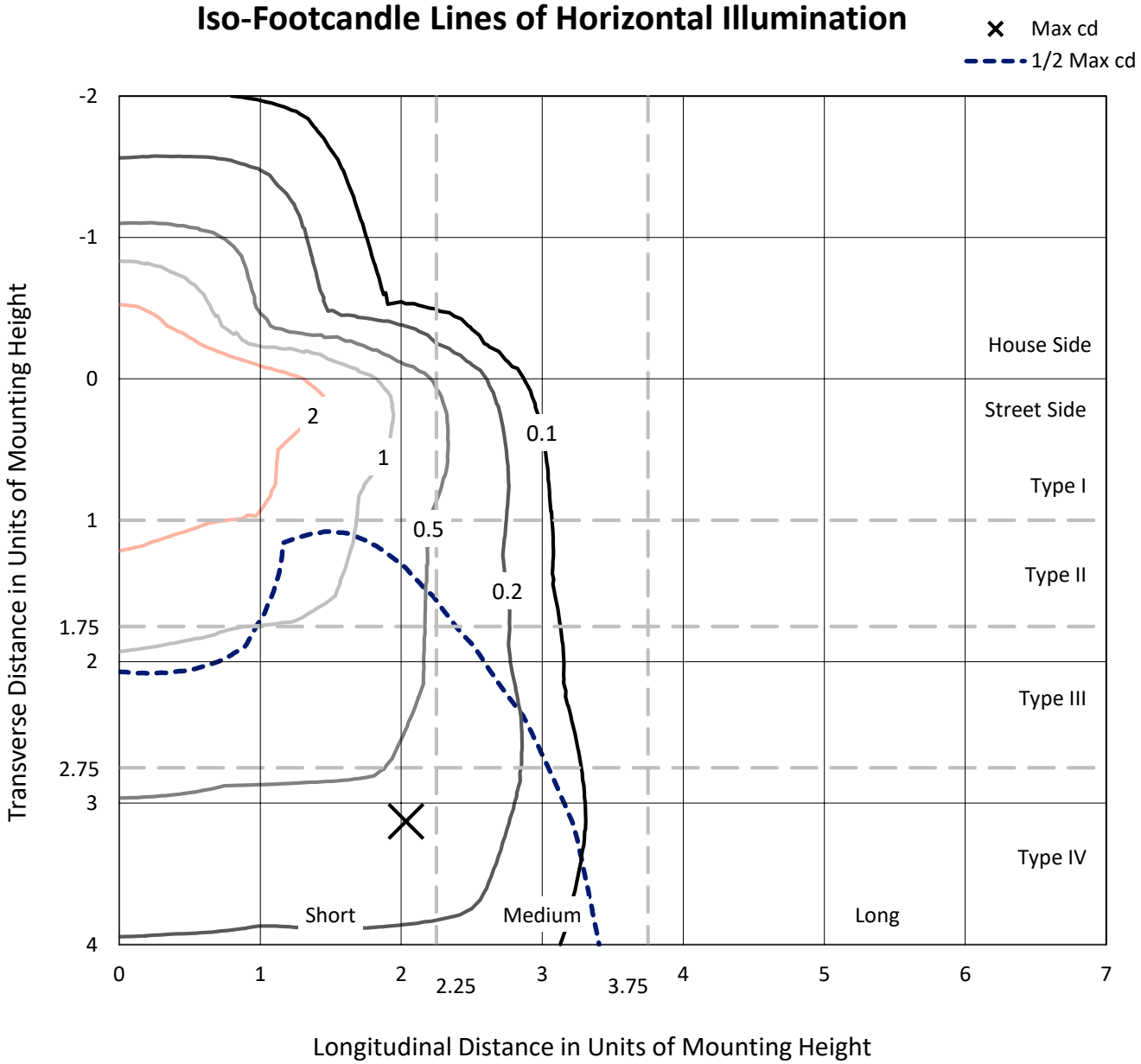
Scaled Data Report

REPORT NUMBER: P318887
CATALOG NUMBER: GLEON-SA3C-830-U-T4FT

Iso-Footcandle Lines of Horizontal Illumination



Based on 25 foot mounting height. Maximum calculated value = 4.3 fc
Type IV - Short - N/A

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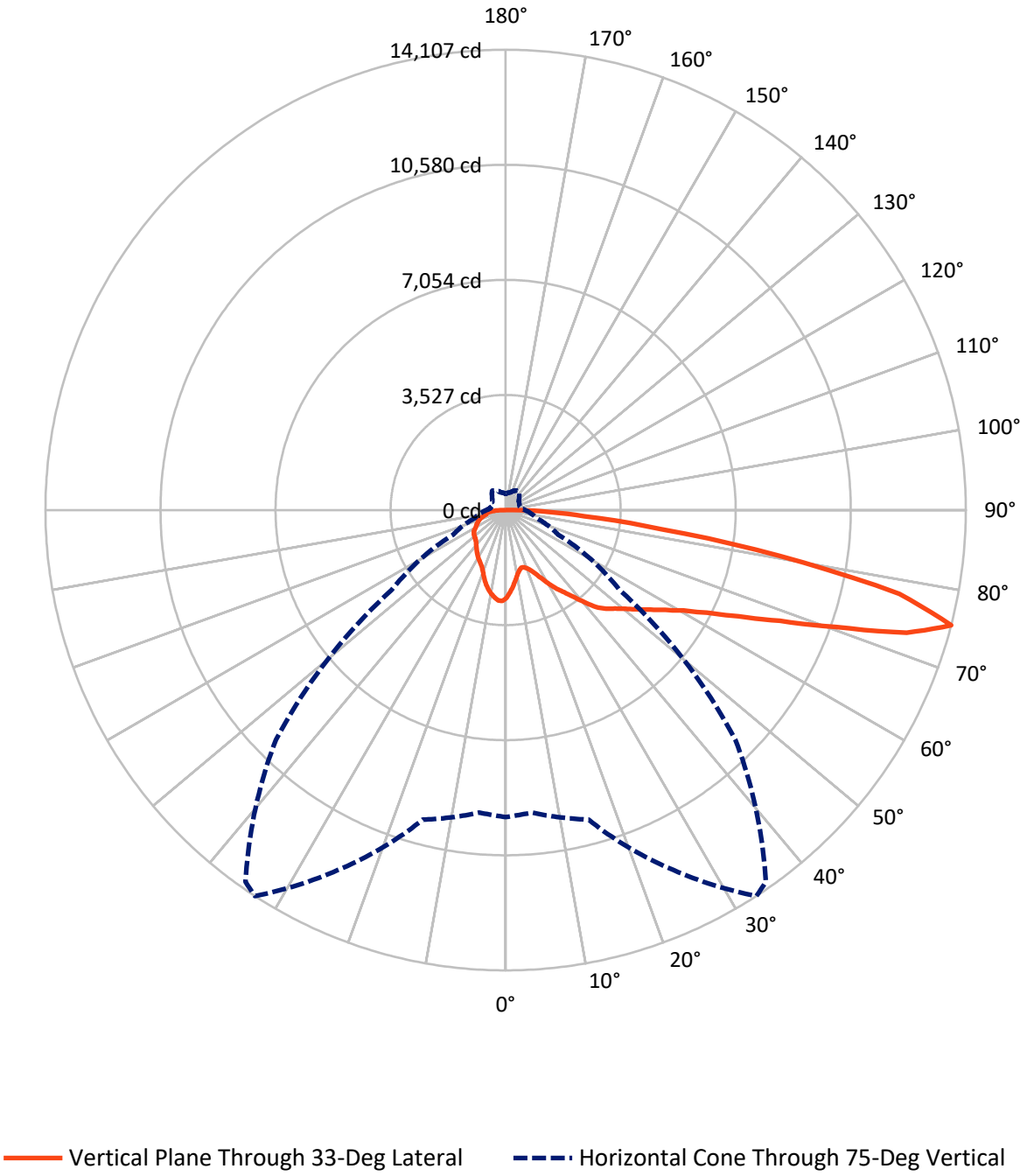
Luminous Intensity Polar Plot



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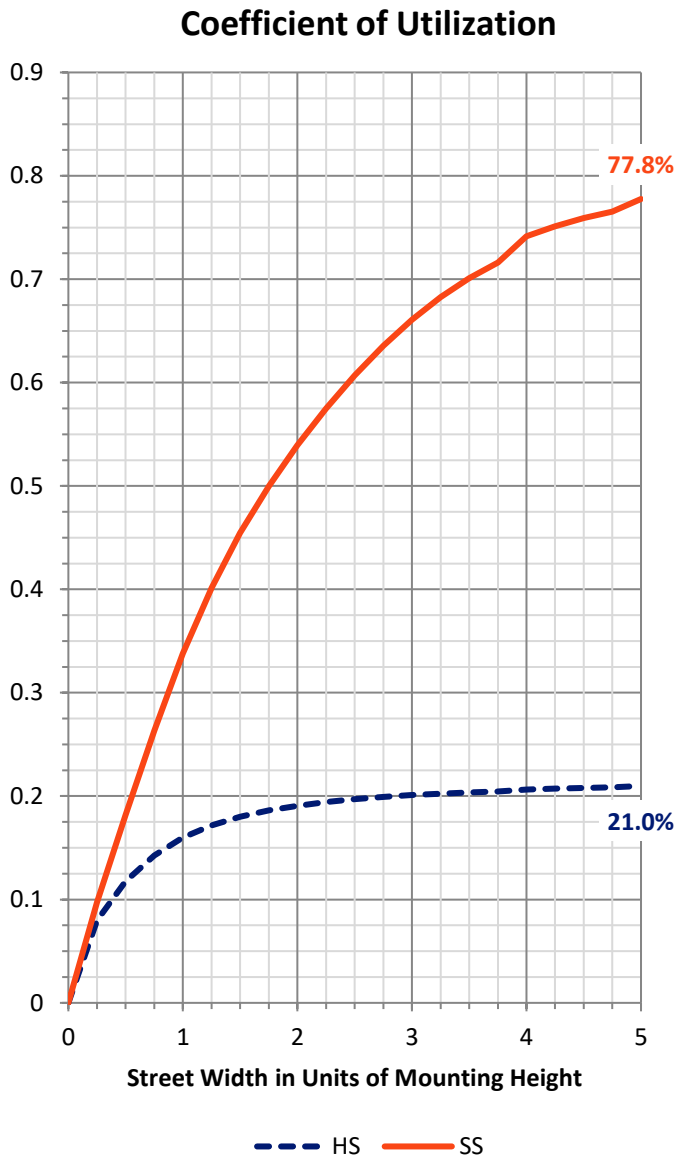
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3707.0	0.0	3707.0
	% Fixture	21.5	0.0	21.5
Street Side	Lumens	13557.0	0.0	13557.0
	% Fixture	78.5	0.0	78.5
Total	Lumens	17264.0	0.0	17264.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	244.0	1.4
10°-20°	661.0	3.8
20°-30°	1079.5	6.3
30°-40°	1607.6	9.3
40°-50°	2305.7	13.4
50°-60°	3165.4	18.3
60°-70°	3962.9	23.0
70°-80°	3585.0	20.8
80°-90°	653.0	3.8
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	17264.0	100.0
0°-180°	17264.0	100.0



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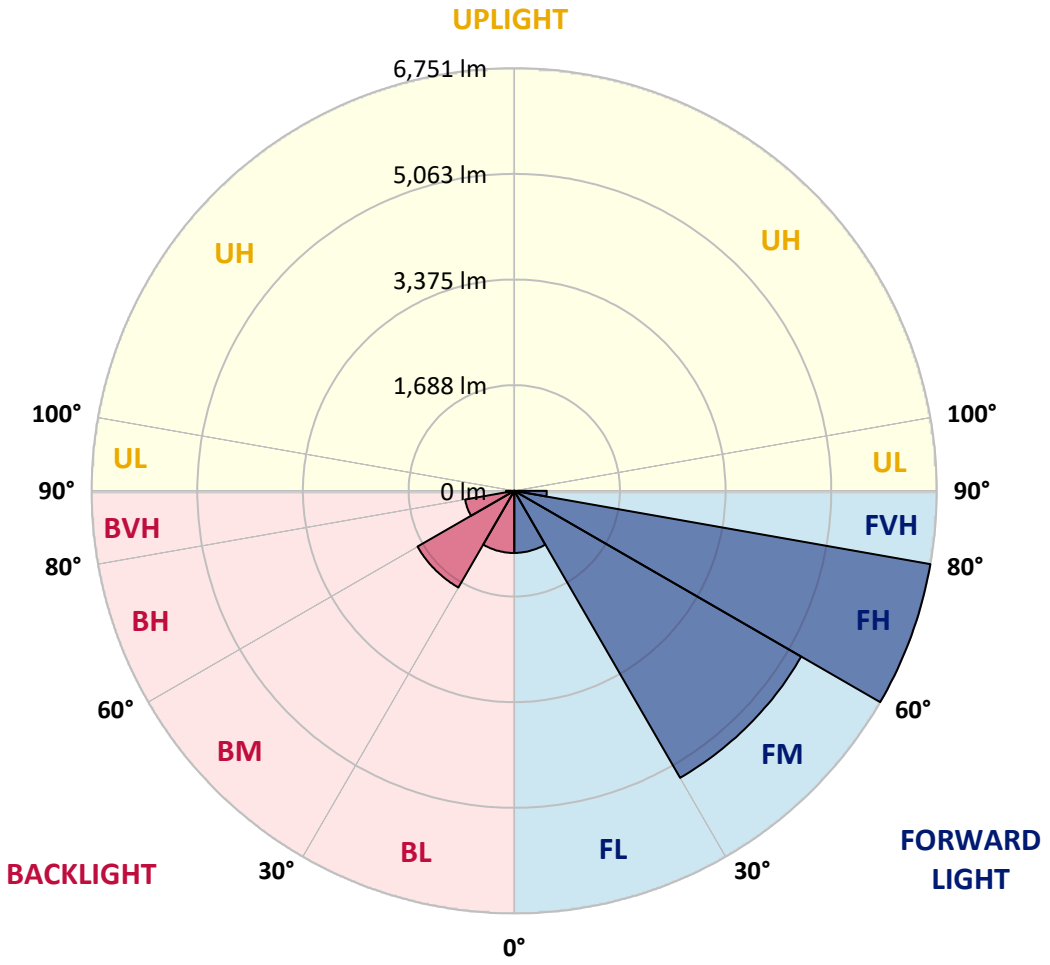
REPORT NUMBER: P318887
CATALOG NUMBER: GLEON-SA3C-830-U-T4FT

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	991.6	5.7			
FM	(30°-60°)	5294.5	30.7			
FH	(60°-80°)	6750.8	39.1			G3/7500
FVH	(80°-90°)	520.1	3.0			G4/750
BL	(0°-30°)	992.9	5.8	B2/1000		
BM	(30°-60°)	1784.1	10.3	B2/2500		
BH	(60°-80°)	797.1	4.6	B2/1000		G2/1000
BVH	(80°-90°)	132.9	0.8			G2/225
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G4
Type IV Short



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REPORT NUMBER: P318887
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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	33°	35°	45°	55°	65°	75°	85°
0°	2698.5	2698.5	2698.5	2698.5	2698.5	2698.5	2698.5	2698.5	2698.5	2698.5	2698.5
2.5°	2505.8	2496.3	2514.2	2516.6	2532.1	2538.0	2559.5	2592.9	2620.3	2651.9	2680.6
5°	2278.6	2272.1	2297.1	2315.0	2349.0	2363.3	2414.0	2485.0	2548.2	2619.7	2684.7
7.5°	2062.8	2059.2	2087.2	2127.8	2167.1	2186.8	2274.5	2377.6	2483.2	2598.9	2698.5
10°	1880.9	1879.7	1906.5	1946.5	2004.3	2026.4	2139.7	2275.7	2423.5	2582.8	2721.7
12.5°	1778.9	1783.1	1795.6	1829.0	1882.7	1904.7	2030.6	2190.4	2373.5	2577.4	2755.7
15°	1803.9	1810.5	1789.0	1787.8	1826.0	1843.3	1961.4	2129.5	2337.7	2586.3	2805.2
17.5°	1910.7	1911.9	1855.2	1819.4	1842.7	1851.7	1939.9	2095.0	2316.8	2606.6	2867.2
20°	2061.0	2058.0	1957.8	1898.2	1910.7	1913.1	1970.3	2095.6	2315.0	2641.8	2947.7
22.5°	2260.1	2238.1	2103.3	2022.2	2019.2	2015.6	2048.4	2139.7	2341.2	2699.1	3043.7
25°	2520.2	2499.3	2313.8	2202.9	2179.0	2170.1	2174.9	2233.9	2393.1	2760.5	3151.1
27.5°	2809.4	2773.0	2594.1	2437.3	2387.8	2375.2	2346.6	2366.9	2449.8	2819.5	3278.7
30°	3051.5	3031.8	2875.6	2689.5	2631.1	2613.2	2538.0	2516.0	2531.5	2900.0	3439.7
32.5°	3186.9	3173.7	3078.9	2928.6	2874.4	2849.3	2743.2	2699.1	2662.7	3027.0	3658.0
35°	3350.9	3342.5	3285.3	3176.1	3095.6	3069.4	2987.1	2941.2	2847.5	3201.8	3940.0
37.5°	3559.6	3550.6	3551.8	3463.6	3367.6	3343.1	3288.8	3240.5	3087.3	3431.4	4246.6
40°	3795.7	3778.4	3771.9	3767.7	3706.9	3693.2	3664.5	3598.9	3387.8	3705.7	4548.9
42.5°	4151.2	4089.7	3958.5	4008.0	4068.3	4061.1	4084.4	3990.1	3721.8	4030.1	4844.1
45°	4494.1	4393.3	4166.7	4177.4	4309.2	4349.1	4523.3	4456.5	4083.8	4385.5	5149.4
47.5°	4650.3	4574.0	4381.3	4381.9	4512.5	4595.4	4977.1	4929.4	4464.2	4789.2	5522.2
50°	4825.0	4748.7	4575.8	4640.8	4754.7	4842.9	5415.4	5391.0	4826.2	5231.1	5968.8
52.5°	5015.9	4886.4	4776.7	4893.0	5052.8	5155.4	5854.3	5787.5	5158.4	5676.0	6482.3
55°	5018.2	4983.1	5066.5	5151.8	5391.0	5516.8	6314.1	6137.6	5429.1	6113.1	6900.3
57.5°	5303.9	5246.6	5423.8	5463.1	5775.6	5917.5	6771.5	6442.3	5704.6	6448.3	7125.7
60°	5682.0	5633.1	5778.0	5881.7	6251.5	6441.1	7259.9	6755.4	5921.1	6701.1	7115.0
62.5°	6335.0	6279.5	6277.7	6423.2	6921.2	7141.8	7807.9	7062.5	6007.0	6751.2	6811.4
65°	7290.9	7202.7	7036.3	7105.4	7846.1	8066.2	8420.4	7284.9	5893.7	6482.9	6029.6
67.5°	8221.2	8218.2	8013.7	8155.6	9067.4	9243.9	9118.1	7307.0	5540.0	5548.4	4642.5
70°	9148.5	9160.5	9125.9	9619.6	10717.5	10901.2	9861.2	7010.6	4745.1	4006.8	2781.4
72.5°	9883.2	9880.2	10054.4	11327.6	12859.0	12817.8	10487.3	6112.5	3406.9	2162.9	1329.3
75°	9407.3	9303.6	9822.4	12173.2	14107.1	13906.2	9954.8	4263.9	1768.2	984.6	715.6
77.5°	6135.8	6234.2	6995.7	10056.2	12339.6	12095.1	7303.4	1989.4	833.1	645.8	518.8
80°	2222.0	2325.7	3275.7	5696.3	8501.5	8461.5	3596.6	817.6	563.5	487.8	378.1
82.5°	764.5	802.7	1292.3	2529.7	4800.0	4978.9	1353.1	464.6	409.7	345.9	258.8
85°	300.0	343.5	591.0	1217.1	2421.2	2439.1	548.0	277.9	285.1	226.6	141.9
87.5°	113.9	138.4	282.7	565.3	1105.6	1015.6	196.2	132.4	162.2	134.8	67.4
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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REPORT NUMBER: P318887
CATALOG NUMBER: GLEON-SA3C-830-U-T4FT

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	2698.5	2698.5	2698.5	2698.5	2698.5	2698.5	2698.5	2698.5	2698.5	2698.5	2698.5
2.5°	2702.6	2715.2	2741.4	2759.3	2778.4	2783.7	2786.1	2790.9	2795.7	2793.9	2794.5
5°	2719.3	2743.8	2786.1	2804.0	2812.4	2802.8	2784.3	2769.4	2758.7	2752.7	2750.9
7.5°	2746.8	2781.4	2826.7	2823.7	2804.6	2762.3	2714.6	2678.8	2649.0	2638.2	2632.3
10°	2783.1	2823.7	2855.3	2821.3	2765.8	2692.5	2620.9	2565.5	2520.7	2503.5	2500.5
12.5°	2829.7	2870.8	2876.8	2804.6	2712.8	2612.6	2515.4	2442.0	2375.2	2353.8	2349.0
15°	2889.9	2928.6	2891.7	2775.4	2647.2	2512.4	2386.6	2287.0	2216.6	2190.4	2180.8
17.5°	2953.1	2990.1	2894.7	2727.1	2561.3	2393.7	2235.7	2133.7	2053.2	2022.8	2019.2
20°	3028.8	3045.5	2882.1	2657.9	2443.2	2239.9	2073.5	1977.5	1934.5	1913.1	1910.7
22.5°	3122.5	3104.6	2853.5	2564.3	2293.5	2062.2	1926.8	1882.1	1871.3	1866.6	1868.3
25°	3221.5	3166.6	2811.2	2442.0	2104.5	1884.4	1819.4	1832.0	1846.3	1844.5	1844.5
27.5°	3330.6	3229.8	2746.2	2279.8	1895.2	1738.9	1746.7	1792.6	1814.1	1813.5	1812.9
30°	3470.7	3301.4	2663.3	2084.8	1699.6	1636.4	1683.5	1739.5	1768.8	1767.6	1768.2
32.5°	3643.1	3380.1	2550.6	1867.2	1558.2	1560.6	1614.9	1670.4	1704.4	1701.4	1702.0
35°	3844.6	3468.3	2397.9	1652.5	1464.6	1500.4	1543.3	1582.1	1614.3	1610.1	1606.0
37.5°	4064.1	3554.8	2195.1	1460.4	1388.3	1444.3	1480.1	1486.7	1501.6	1490.9	1483.1
40°	4272.8	3621.0	1933.9	1303.0	1311.4	1396.6	1419.9	1393.7	1366.8	1363.2	1352.5
42.5°	4454.7	3643.1	1669.8	1177.2	1230.3	1346.5	1360.9	1306.0	1257.7	1235.0	1225.5
45°	4646.7	3650.8	1423.5	1071.6	1152.1	1301.8	1317.3	1244.0	1176.0	1127.1	1111.0
47.5°	4897.8	3706.9	1232.0	993.5	1092.5	1272.0	1294.1	1194.5	1106.2	1036.4	1021.5
50°	5226.4	3817.8	1076.4	933.9	1053.7	1252.3	1277.4	1146.2	1049.0	964.9	950.0
52.5°	5591.3	3919.8	950.6	885.6	1016.2	1217.7	1255.9	1111.6	995.3	898.7	882.6
55°	5846.6	3841.7	849.2	835.5	967.3	1168.2	1226.1	1082.4	918.4	834.3	820.0
57.5°	5895.5	3574.5	772.3	783.6	908.2	1106.2	1180.2	1017.4	876.6	806.3	791.3
60°	5761.9	3202.4	715.0	735.9	845.0	1028.1	1094.3	971.4	836.7	776.4	763.9
62.5°	5426.1	2821.3	672.7	693.0	786.0	948.8	1040.6	923.1	796.1	742.4	729.9
65°	4748.1	2368.7	632.1	654.8	731.1	880.2	992.3	878.4	756.2	715.0	703.1
67.5°	3584.0	1774.1	594.0	614.2	682.2	820.6	939.8	834.3	717.4	691.2	676.9
70°	2110.5	1111.0	550.4	571.9	630.9	758.6	883.8	786.0	669.1	657.2	638.7
72.5°	982.2	668.5	500.9	521.8	566.5	675.7	811.6	722.8	611.8	585.6	560.6
75°	*586.2*	*489.0*	*442.5*	*461.0*	*492.6*	*587.4*	*721.0*	*658.4*	*557.6*	*523.0*	*496.8*
77.5°	438.3	373.9	378.1	397.8	423.4	514.0	638.7	607.7	515.8	489.0	471.1
80°	315.5	283.9	308.3	329.8	356.6	467.5	611.8	561.8	466.3	430.6	413.9
82.5°	210.5	203.9	232.0	254.0	280.3	409.1	574.9	492.0	398.4	353.0	316.1
85°	116.3	122.8	156.2	165.8	188.4	288.0	471.1	395.4	300.0	241.5	230.8
87.5°	48.3	56.7	84.1	81.1	100.2	171.7	310.1	238.5	190.8	142.5	110.9
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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LM-79-2019: Approved Method: Electrical and Photometric Measurements of Solid-State Lighting Products

Report Prepared for

Cooper Lighting Solutions

MCGRAW EDISON

Report Number: SP1-2408-195-9

Test Date: 08/07/2024

Luminaire Tested: GALN-SB1A-830-U-5WQ

Data in this report applies to families of products including GALN-SB1A-830-U-5WQ.

Report Generated By FNC07603 / LDUCLS01DT446
Version: v7.04

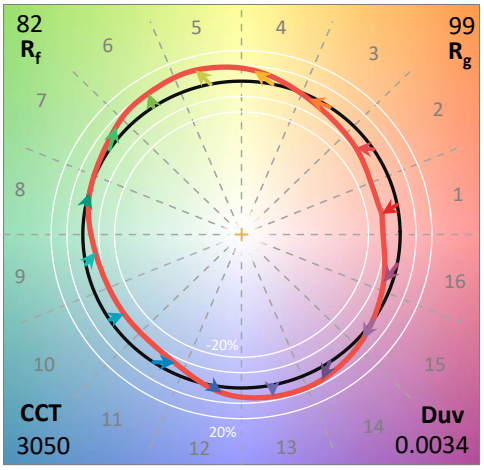
Test Information

Test Method:	LM-79-2019
Report Number:	SP1-2408-195-9
Test Lab:	COOPER LIGHTING SOLUTIONS
Photometer:	SP1 - 76IN SPHERE
Measurement Geometry:	4π
Issue Date:	08/07/2024
Manufacturer:	COOPER LIGHTING SOLUTIONS
Product Line:	MCGRAW EDISON
Catalog Number:	**GALN-SB1A-830-U-5WQ**
Description:	GALLEON AREA AND ROADWAY LUMINAIRE. (1) 80 CRI, 3000K, 350MA HIGH DENSITY LIGHTSQUARE WITH 26 LEDS AND TYPE V WIDE OPTICS

Spectral Parameters

CCT (K):	3050	CRI (Ra):	81.0		
CIE u':	0.2476	R1:	79.6	R9:	7.1
CIE v':	0.5251	R2:	85.6	R10:	67.0
Duv:	0.0034	R3:	92.0	R11:	82.7
CIE x:	0.4383	R4:	82.6	R12:	63.2
CIE y:	0.4131	R5:	78.9	R13:	80.3
CIE z:	0.1487	R6:	81.7	R14:	95.0
Peak Wavelength (nm):	603	R7:	85.2	R15:	71.7
Dominant Wavelength (nm):	581	R8:	62.0		
Purity:	55.55201				

Rf:	81.5
Rg:	99.2



Test Conditions

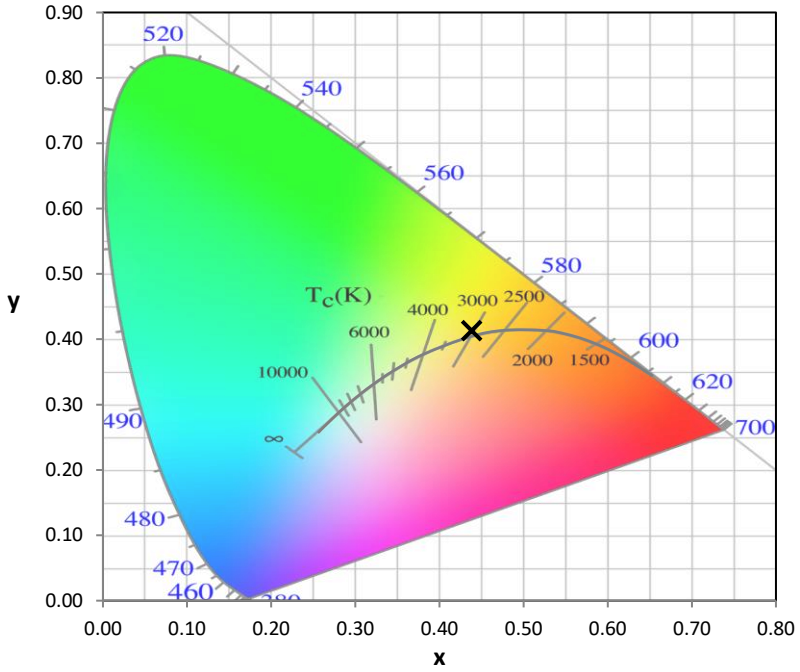
Stabilization Time:	20M
Operation Time:	1H 20M
Sphere Temperature (°C):	24.2

REPORT NUMBER: SP1-2408-195-9

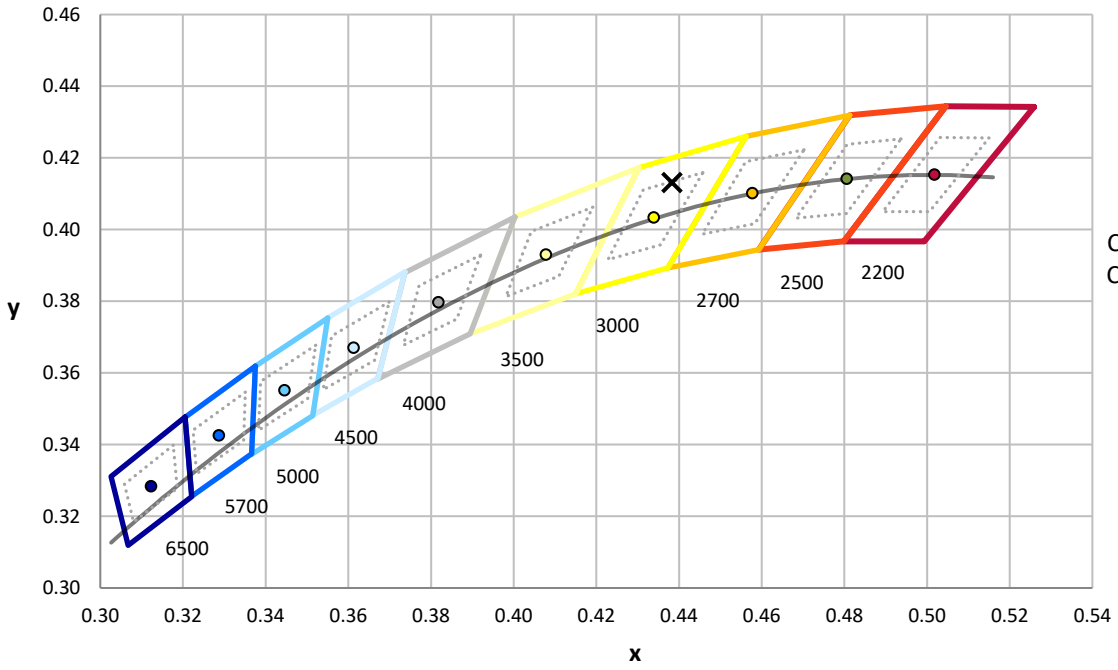
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085	10/24/2023	10/24/2024
Room Thermometer	IN0046	10/24/2023	10/24/2024

REPORT NUMBER: SP1-2408-195-9

CIE 1931 Chromaticity Diagram



CIE 1931 Chromaticity Diagram with 2017 ANSI 7-Step and 4-Step Quadrangles

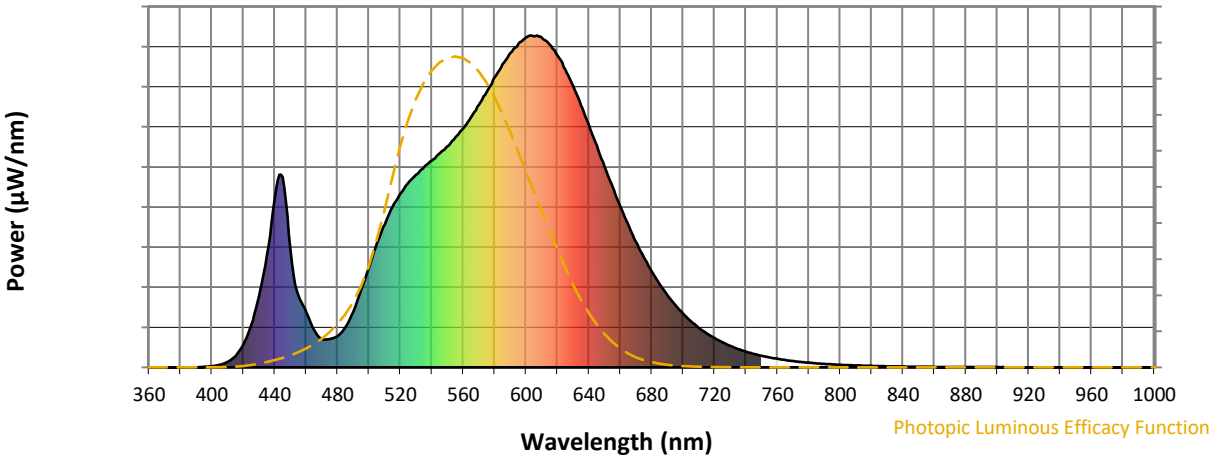


CCT = 3050K
CIE x = 0.4383
CIE y = 0.4131
Duv = 0.0034

Point lies inside the ANSI 3000K 4-step quadrangle

REPORT NUMBER: SP1-2408-195-9

Photopic Flux vs. Wavelength



Photopic Lumens: NR

λ (nm)	Power W^/nm	Lumens (ϕ/nm)	λ (nm)	Power W^/nm	Lumens (ϕ/nm)	λ (nm)	Power W^/nm	Lumens (ϕ/nm)	λ (nm)	Power W^/nm	Lumens (ϕ/nm)	λ (nm)	Power W^/nm	Lumens (ϕ/nm)
360	0	NR	490	168	NR	620	940	NR	750	35	NR	880	1	NR
365	0	NR	495	233	NR	625	897	NR	755	30	NR	885	1	NR
370	0	NR	500	300	NR	630	847	NR	760	26	NR	890	1	NR
375	0	NR	505	372	NR	635	790	NR	765	22	NR	895	1	NR
380	0	NR	510	430	NR	640	730	NR	770	19	NR	900	1	NR
385	0	NR	515	483	NR	645	668	NR	775	16	NR	905	1	NR
390	0	NR	520	524	NR	650	605	NR	780	14	NR	910	0	NR
395	2	NR	525	555	NR	655	545	NR	785	12	NR	915	0	NR
400	4	NR	530	581	NR	660	485	NR	790	10	NR	920	0	NR
405	7	NR	535	604	NR	665	430	NR	795	9	NR	925	0	NR
410	17	NR	540	623	NR	670	378	NR	800	8	NR	930	0	NR
415	34	NR	545	645	NR	675	331	NR	805	7	NR	935	0	NR
420	68	NR	550	667	NR	680	290	NR	810	6	NR	940	0	NR
425	128	NR	555	693	NR	685	251	NR	815	5	NR	945	0	NR
430	214	NR	560	719	NR	690	218	NR	820	4	NR	950	0	NR
435	339	NR	565	754	NR	695	188	NR	825	4	NR	955	0	NR
440	507	NR	570	791	NR	700	162	NR	830	3	NR	960	0	NR
445	573	NR	575	830	NR	705	139	NR	835	3	NR	965	0	NR
450	356	NR	580	873	NR	710	119	NR	840	3	NR	970	0	NR
455	217	NR	585	913	NR	715	102	NR	845	2	NR	975	0	NR
460	168	NR	590	948	NR	720	88	NR	850	2	NR	980	0	NR
465	113	NR	595	974	NR	725	76	NR	855	2	NR	985	0	NR
470	85	NR	600	994	NR	730	65	NR	860	1	NR	990	0	NR
475	85	NR	605	998	NR	735	55	NR	865	1	NR	995	0	NR
480	94	NR	610	994	NR	740	47	NR	870	1	NR	1000	0	NR
485	120	NR	615	973	NR	745	41	NR	875	1	NR			

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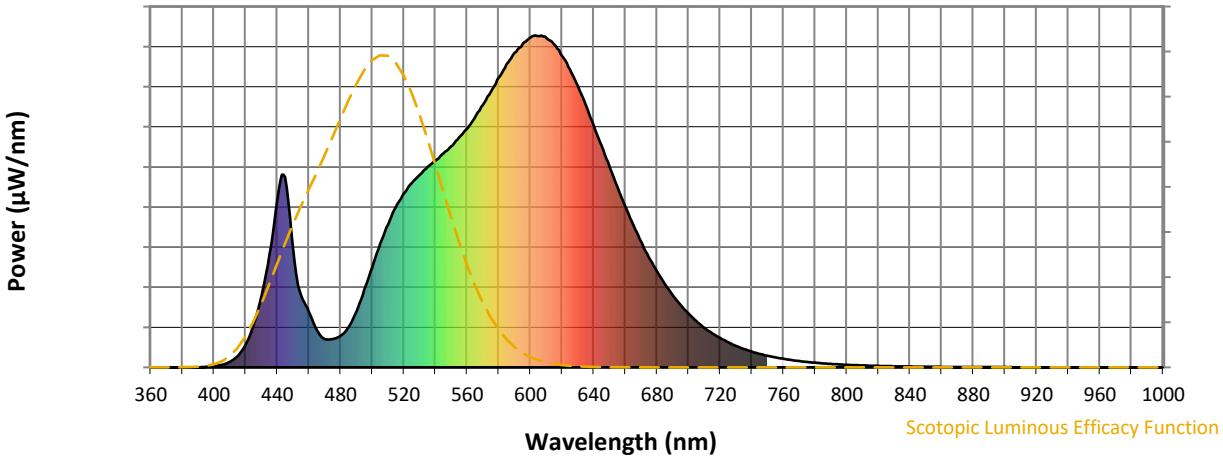
Scotopic Flux vs. Wavelength



Scotopic Lumens: NR **S/P: 1.27**

λ (nm)	Power W^/nm	Lumens (ϕ/nm)	λ (nm)	Power W^/nm	Lumens (ϕ/nm)	λ (nm)	Power W^/nm	Lumens (ϕ/nm)	λ (nm)	Power W^/nm	Lumens (ϕ/nm)	λ (nm)	Power W^/nm	Lumens (ϕ/nm)
360	0	NR	490	168	NR	620	940	NR	750	35	NR	880	1	NR
365	0	NR	495	233	NR	625	897	NR	755	30	NR	885	1	NR
370	0	NR	500	300	NR	630	847	NR	760	26	NR	890	1	NR
375	0	NR	505	372	NR	635	790	NR	765	22	NR	895	1	NR
380	0	NR	510	430	NR	640	730	NR	770	19	NR	900	1	NR
385	0	NR	515	483	NR	645	668	NR	775	16	NR	905	1	NR
390	0	NR	520	524	NR	650	605	NR	780	14	NR	910	0	NR
395	2	NR	525	555	NR	655	545	NR	785	12	NR	915	0	NR
400	4	NR	530	581	NR	660	485	NR	790	10	NR	920	0	NR
405	7	NR	535	604	NR	665	430	NR	795	9	NR	925	0	NR
410	17	NR	540	623	NR	670	378	NR	800	8	NR	930	0	NR
415	34	NR	545	645	NR	675	331	NR	805	7	NR	935	0	NR
420	68	NR	550	667	NR	680	290	NR	810	6	NR	940	0	NR
425	128	NR	555	693	NR	685	251	NR	815	5	NR	945	0	NR
430	214	NR	560	719	NR	690	218	NR	820	4	NR	950	0	NR
435	339	NR	565	754	NR	695	188	NR	825	4	NR	955	0	NR
440	507	NR	570	791	NR	700	162	NR	830	3	NR	960	0	NR
445	573	NR	575	830	NR	705	139	NR	835	3	NR	965	0	NR
450	356	NR	580	873	NR	710	119	NR	840	3	NR	970	0	NR
455	217	NR	585	913	NR	715	102	NR	845	2	NR	975	0	NR
460	168	NR	590	948	NR	720	88	NR	850	2	NR	980	0	NR
465	113	NR	595	974	NR	725	76	NR	855	2	NR	985	0	NR
470	85	NR	600	994	NR	730	65	NR	860	1	NR	990	0	NR
475	85	NR	605	998	NR	735	55	NR	865	1	NR	995	0	NR
480	94	NR	610	994	NR	740	47	NR	870	1	NR	1000	0	NR
485	120	NR	615	973	NR	745	41	NR	875	1	NR			

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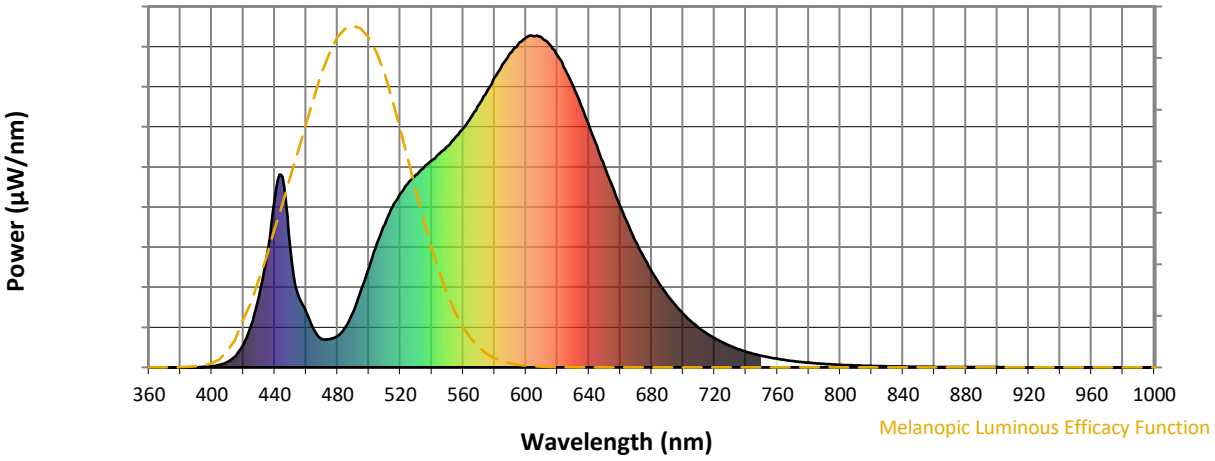
Melanopic Flux vs. Wavelength



Melanopic Lumens: NR **M/P: 2.32**

λ (nm)	Power W^/nm	Lumens (ϕ/nm)	λ (nm)	Power W^/nm	Lumens (ϕ/nm)	λ (nm)	Power W^/nm	Lumens (ϕ/nm)	λ (nm)	Power W^/nm	Lumens (ϕ/nm)	λ (nm)	Power W^/nm	Lumens (ϕ/nm)
360	0	NR	490	168	NR	620	940	NR	750	35	NR	880	1	NR
365	0	NR	495	233	NR	625	897	NR	755	30	NR	885	1	NR
370	0	NR	500	300	NR	630	847	NR	760	26	NR	890	1	NR
375	0	NR	505	372	NR	635	790	NR	765	22	NR	895	1	NR
380	0	NR	510	430	NR	640	730	NR	770	19	NR	900	1	NR
385	0	NR	515	483	NR	645	668	NR	775	16	NR	905	1	NR
390	0	NR	520	524	NR	650	605	NR	780	14	NR	910	0	NR
395	2	NR	525	555	NR	655	545	NR	785	12	NR	915	0	NR
400	4	NR	530	581	NR	660	485	NR	790	10	NR	920	0	NR
405	7	NR	535	604	NR	665	430	NR	795	9	NR	925	0	NR
410	17	NR	540	623	NR	670	378	NR	800	8	NR	930	0	NR
415	34	NR	545	645	NR	675	331	NR	805	7	NR	935	0	NR
420	68	NR	550	667	NR	680	290	NR	810	6	NR	940	0	NR
425	128	NR	555	693	NR	685	251	NR	815	5	NR	945	0	NR
430	214	NR	560	719	NR	690	218	NR	820	4	NR	950	0	NR
435	339	NR	565	754	NR	695	188	NR	825	4	NR	955	0	NR
440	507	NR	570	791	NR	700	162	NR	830	3	NR	960	0	NR
445	573	NR	575	830	NR	705	139	NR	835	3	NR	965	0	NR
450	356	NR	580	873	NR	710	119	NR	840	3	NR	970	0	NR
455	217	NR	585	913	NR	715	102	NR	845	2	NR	975	0	NR
460	168	NR	590	948	NR	720	88	NR	850	2	NR	980	0	NR
465	113	NR	595	974	NR	725	76	NR	855	2	NR	985	0	NR
470	85	NR	600	994	NR	730	65	NR	860	1	NR	990	0	NR
475	85	NR	605	998	NR	735	55	NR	865	1	NR	995	0	NR
480	94	NR	610	994	NR	740	47	NR	870	1	NR	1000	0	NR
485	120	NR	615	973	NR	745	41	NR	875	1	NR			

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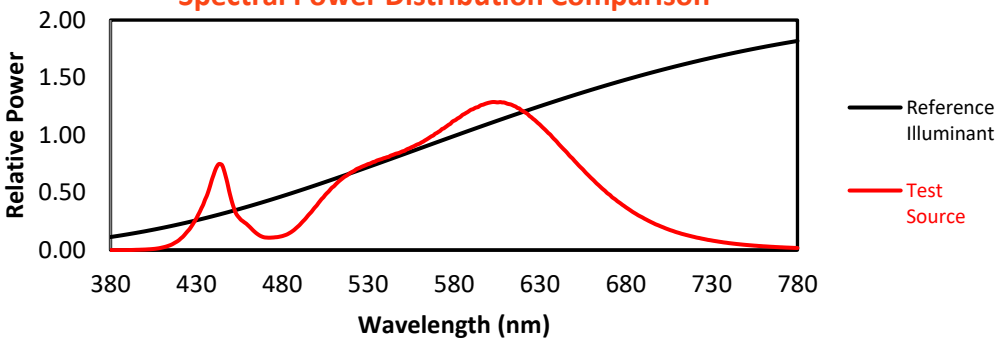
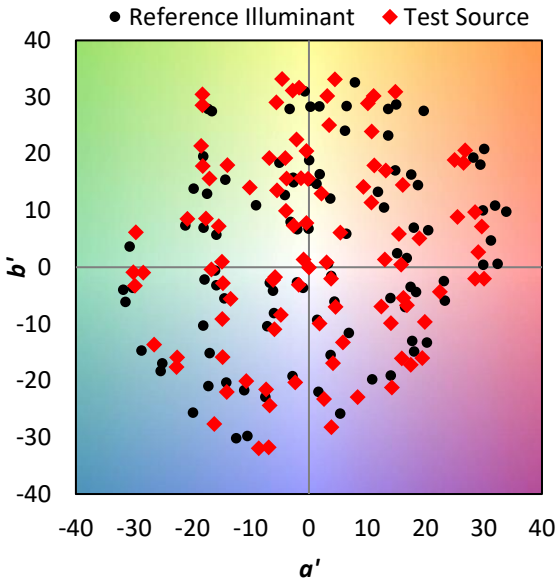
Summary

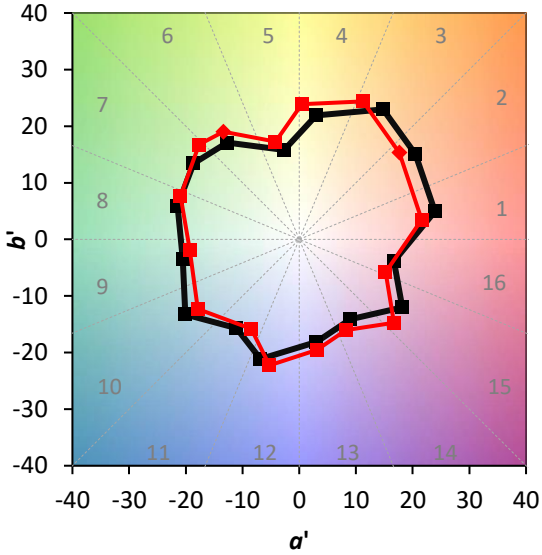
R_f = 81.5
R_g = 99.2
CIE R_a = 81.0
R_9 = 7.1

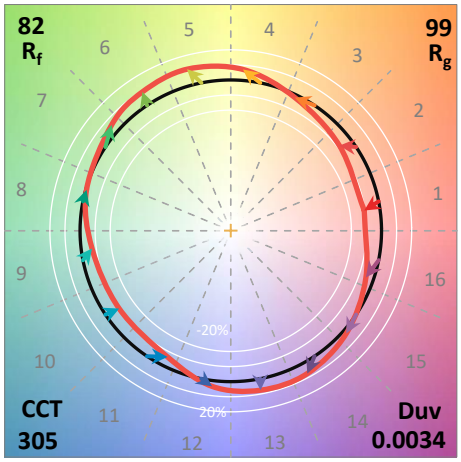
Spectral Power Distribution Comparison

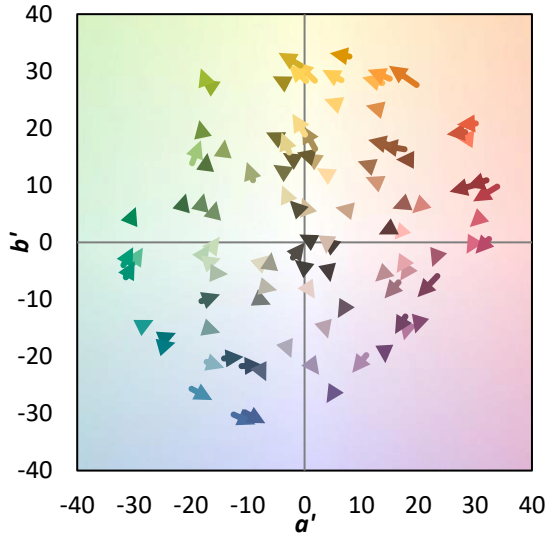


Color Vector Graphics









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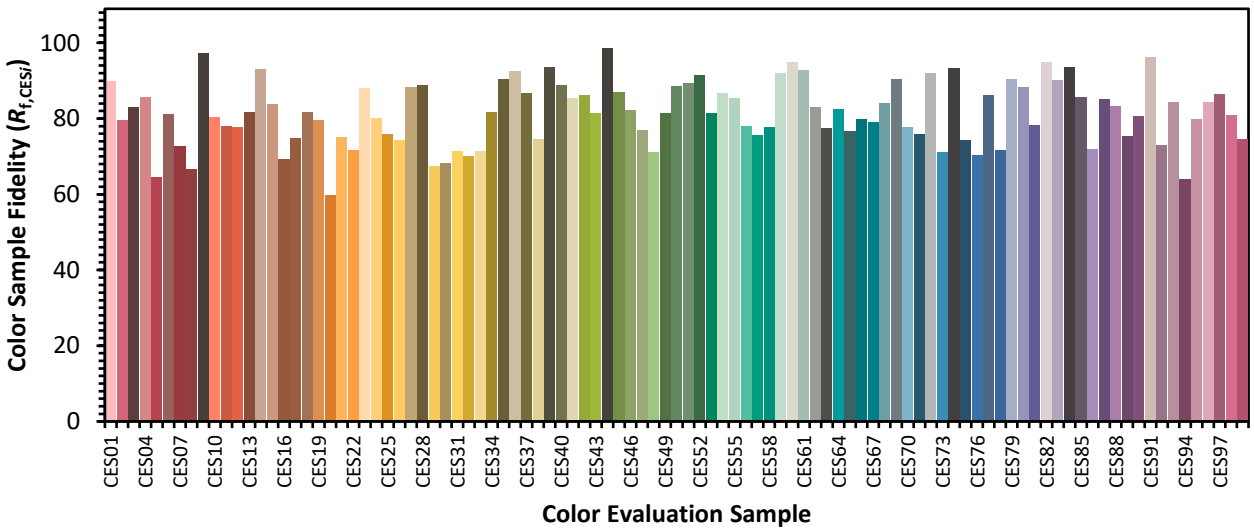
Individual Sample Fidelity Index ($R_{f,i}$)

CES01 = 86	CES26 = 74	CES51 = 89	CES76 = 70
CES02 = 63	CES27 = 88	CES52 = 92	CES77 = 86
CES03 = 31	CES28 = 89	CES53 = 81	CES78 = 72
CES04 = 70	CES29 = 67	CES54 = 87	CES79 = 90
CES05 = 50	CES30 = 68	CES55 = 85	CES80 = 88
CES06 = 51	CES31 = 71	CES56 = 78	CES81 = 78
CES07 = 42	CES32 = 70	CES57 = 76	CES82 = 95
CES08 = 41	CES33 = 71	CES58 = 78	CES83 = 90
CES09 = 29	CES34 = 82	CES59 = 92	CES84 = 94
CES10 = 76	CES35 = 90	CES60 = 95	CES85 = 86
CES11 = 59	CES36 = 93	CES61 = 93	CES86 = 72
CES12 = 65	CES37 = 87	CES62 = 83	CES87 = 85
CES13 = 43	CES38 = 75	CES63 = 77	CES88 = 83
CES14 = 74	CES39 = 94	CES64 = 83	CES89 = 75
CES15 = 71	CES40 = 89	CES65 = 77	CES90 = 81
CES16 = 47	CES41 = 85	CES66 = 80	CES91 = 96
CES17 = 50	CES42 = 86	CES67 = 79	CES92 = 73
CES18 = 56	CES43 = 81	CES68 = 84	CES93 = 84
CES19 = 72	CES44 = 99	CES69 = 91	CES94 = 64
CES20 = 66	CES45 = 87	CES70 = 78	CES95 = 80
CES21 = 87	CES46 = 82	CES71 = 76	CES96 = 84
CES22 = 79	CES47 = 77	CES72 = 92	CES97 = 87
CES23 = 92	CES48 = 71	CES73 = 71	CES98 = 81
CES24 = 91	CES49 = 81	CES74 = 93	CES99 = 74
CES25 = 72	CES50 = 89	CES75 = 74	



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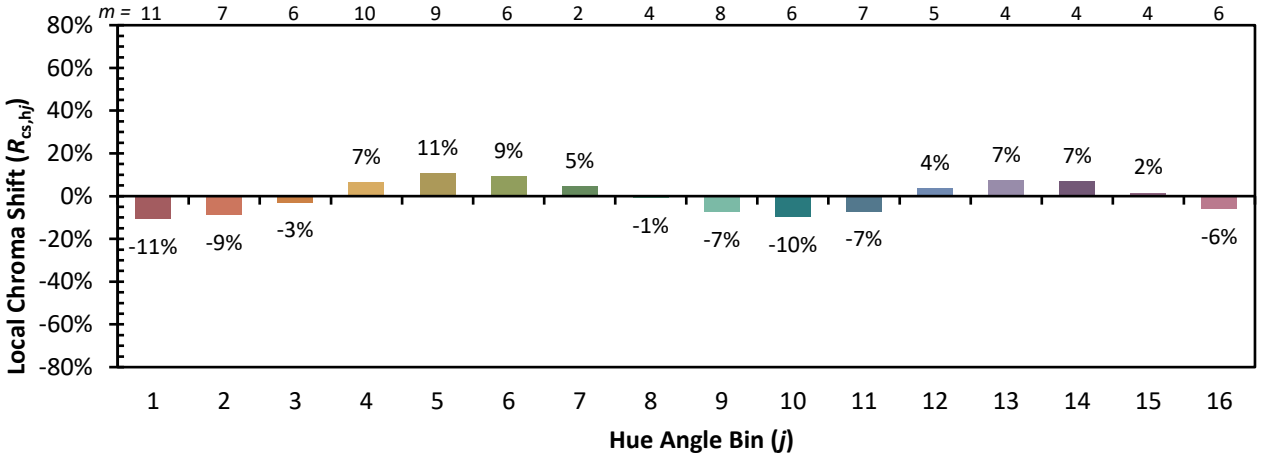
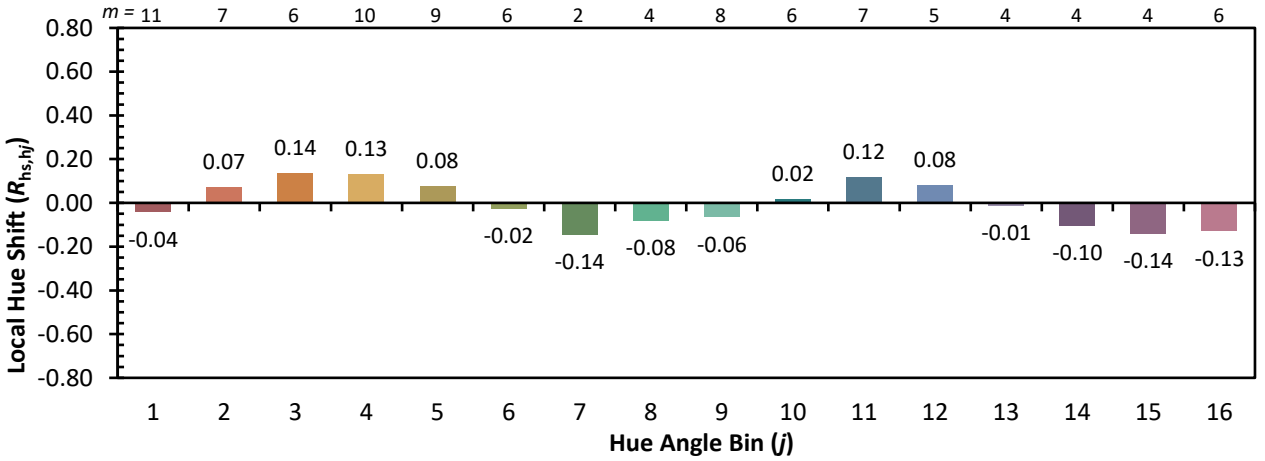
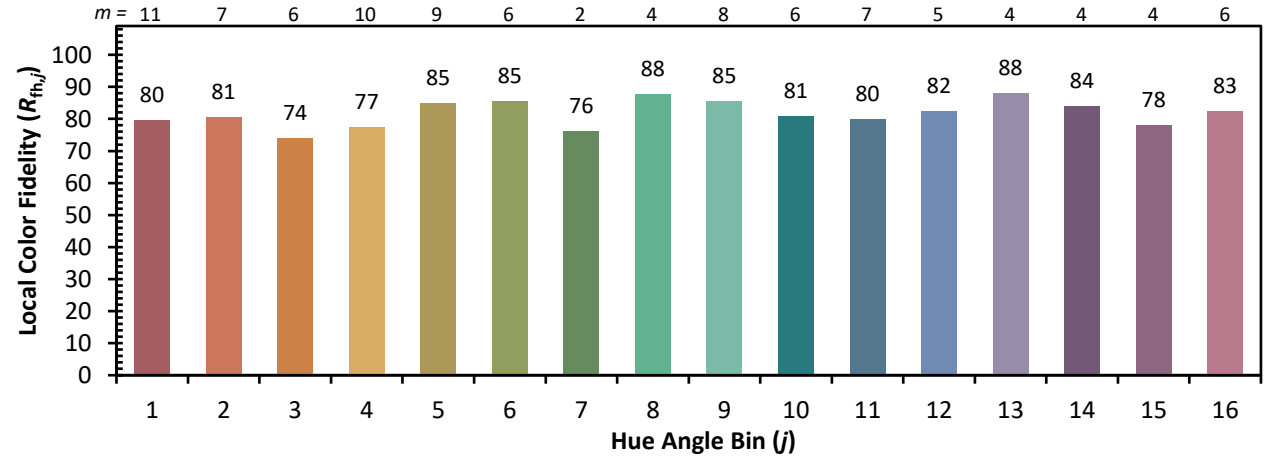
Color Rendition by Hue-Angle Bin







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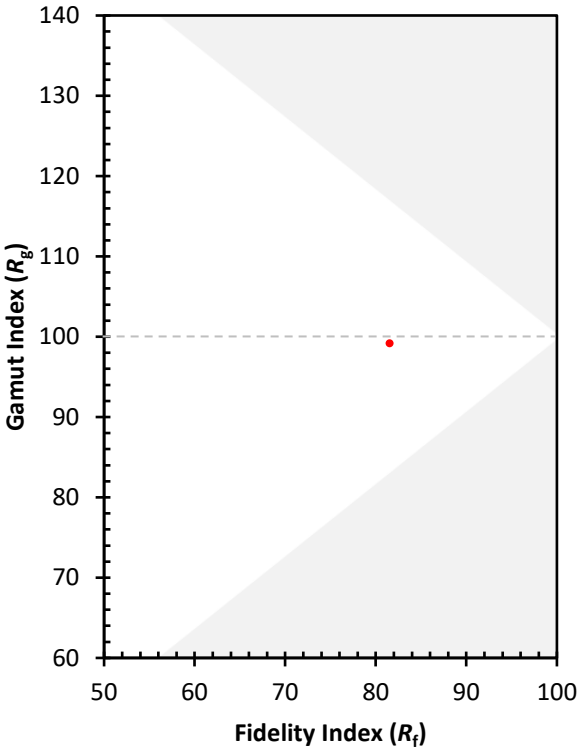
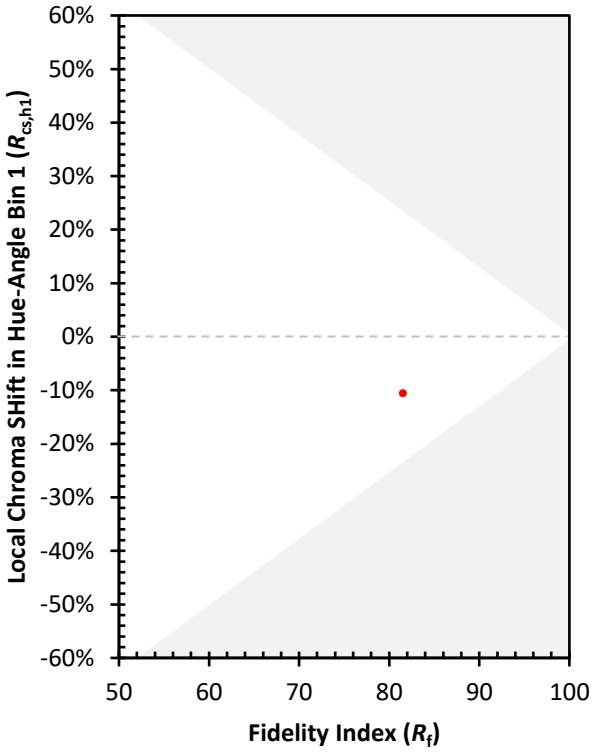
Measure Comparisons





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