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: P387169

Luminaire Tested: **GPC-SA2D-830-U-SL2**

Issue Date: 3/3/2020

Report Generated By 670245982

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:	P387169
	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:	GPC-SA2D-830-U-SL2
Description:	GALLEON PEDESTRIAN LUMINAIRE
	(2) 80 CRI, 3000K, 1200mA 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:	12605 lumens
Efficiency:	N/A
Efficacy:	98.5 lumens/watt
Luminous Opening:	Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification:	Type III - Medium
BUG Rating:	B2 - U0 - G3

Input Watts (W):	128
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:	28.75 FT

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REPORT NUMBER: P387169
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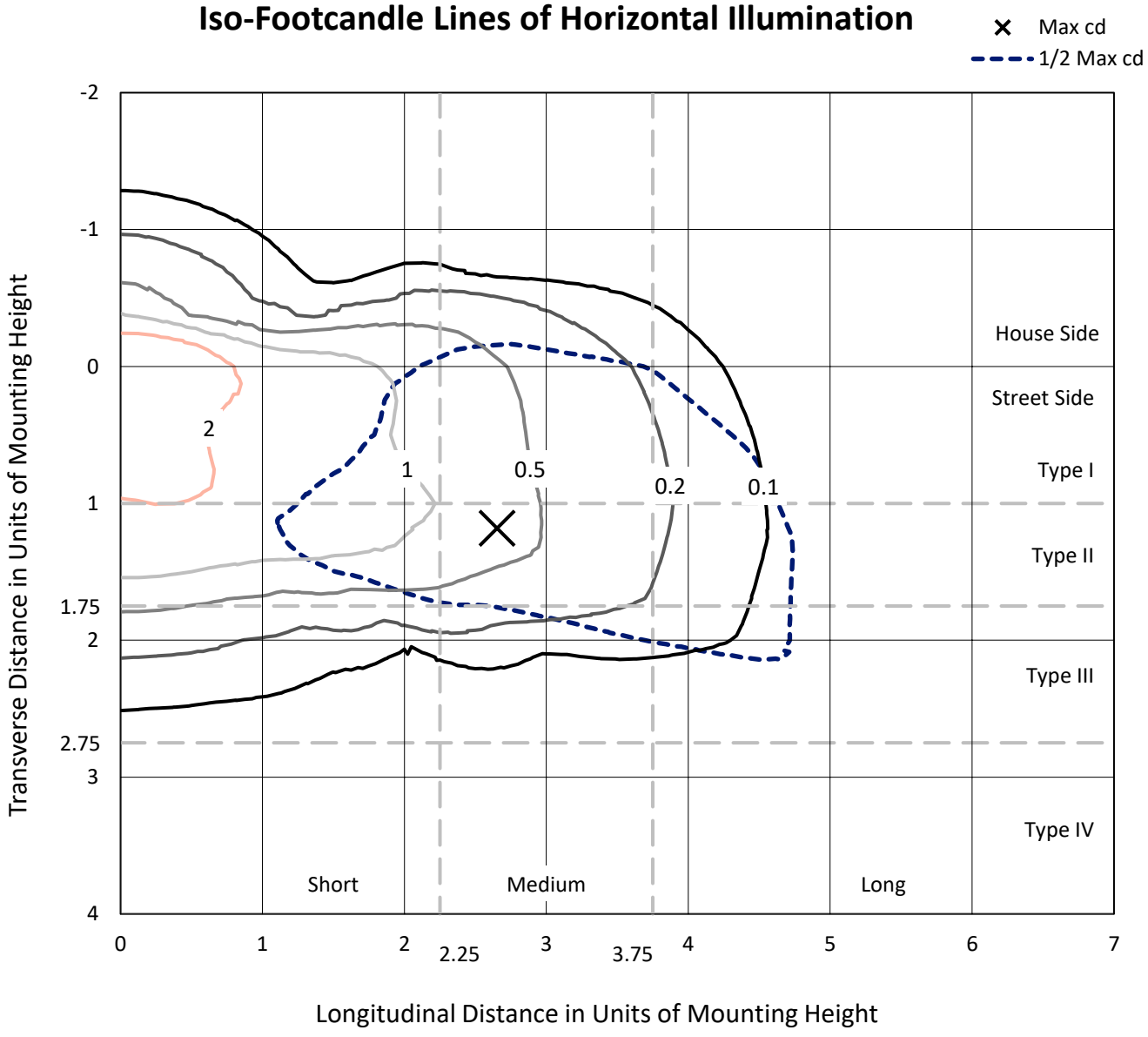
Iso-Footcandle Lines of Horizontal Illumination



Based on 25 foot mounting height. Maximum calculated value = 4.6 fc
Type III - Medium - N/A

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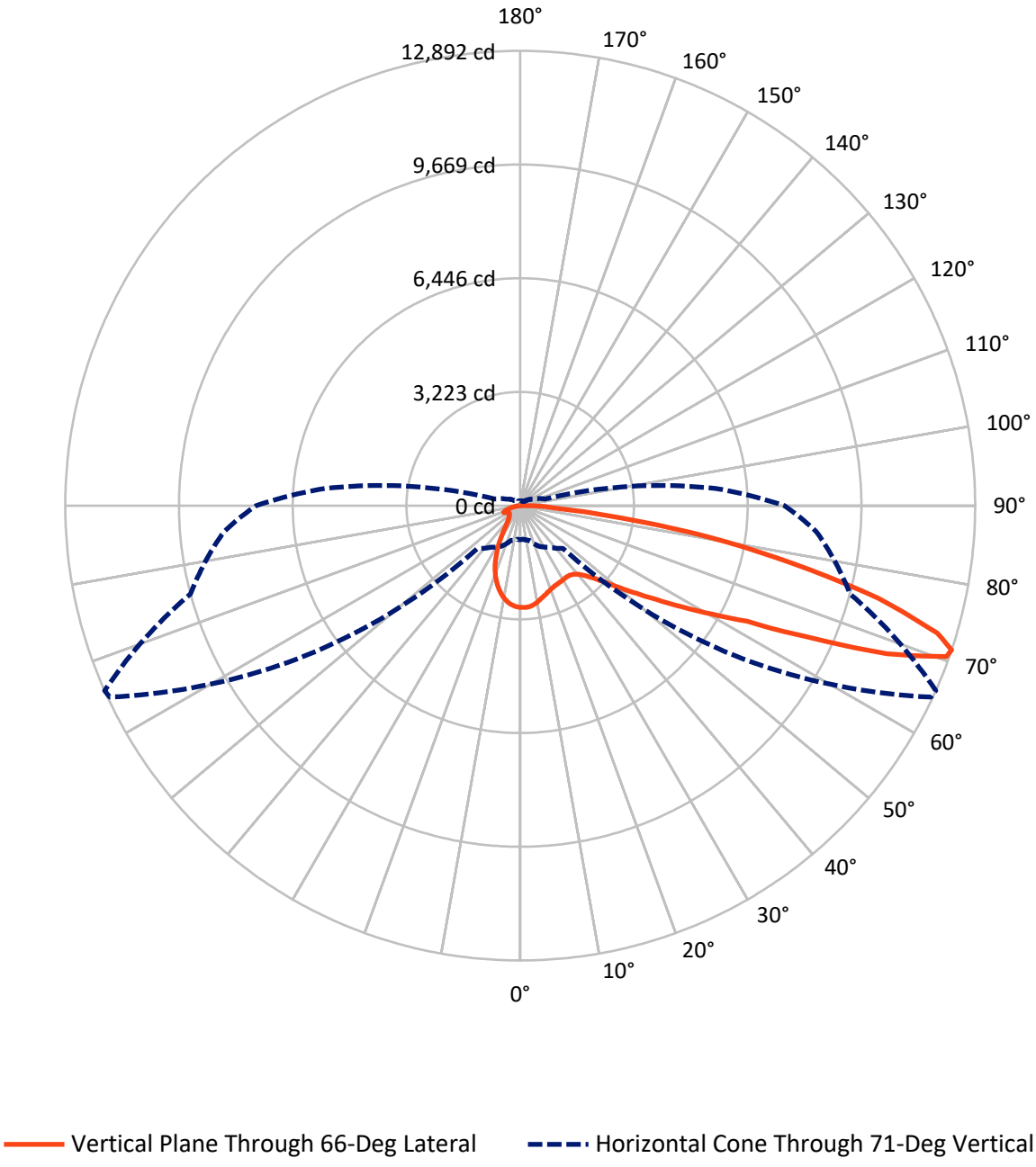
Luminous Intensity Polar Plot



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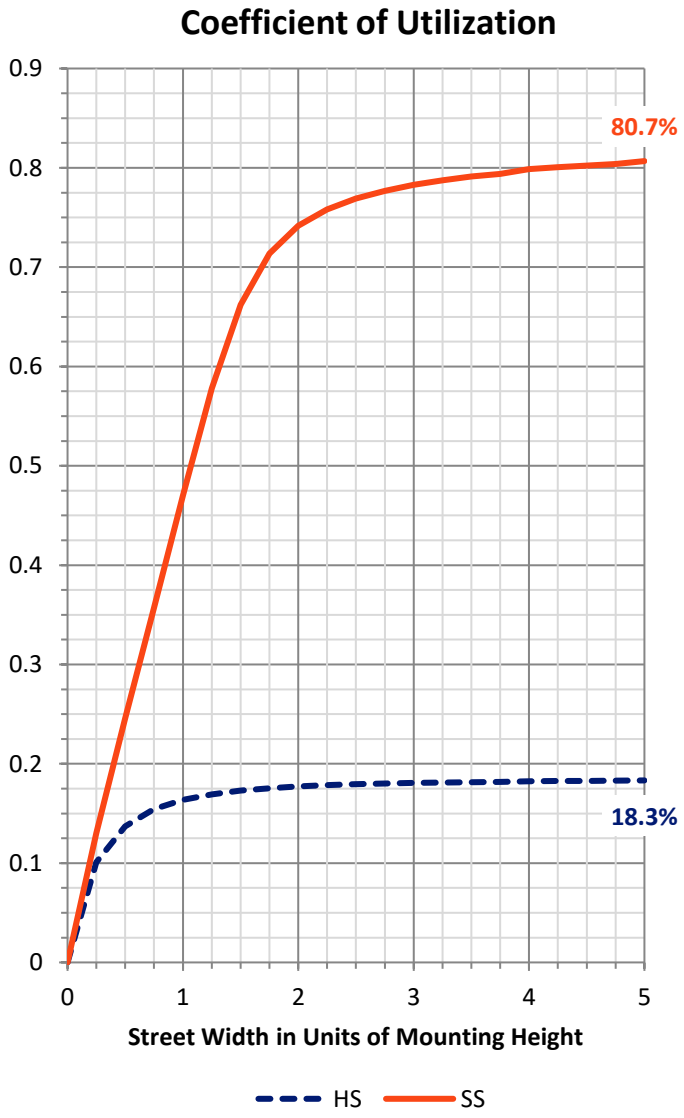
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2336.0	0.0	2336.0
	% Fixture	18.5	0.0	18.5
Street Side	Lumens	10268.9	0.0	10268.9
	% Fixture	81.5	0.0	81.5
Total	Lumens	12605.0	0.0	12605.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	254.2	2.0
10°-20°	609.6	4.8
20°-30°	818.9	6.5
30°-40°	1077.2	8.5
40°-50°	1567.1	12.4
50°-60°	2447.9	19.4
60°-70°	3066.4	24.3
70°-80°	2339.0	18.6
80°-90°	424.7	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°	12605.0	100.0
0°-180°	12605.0	100.0



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REPORT NUMBER: P387169
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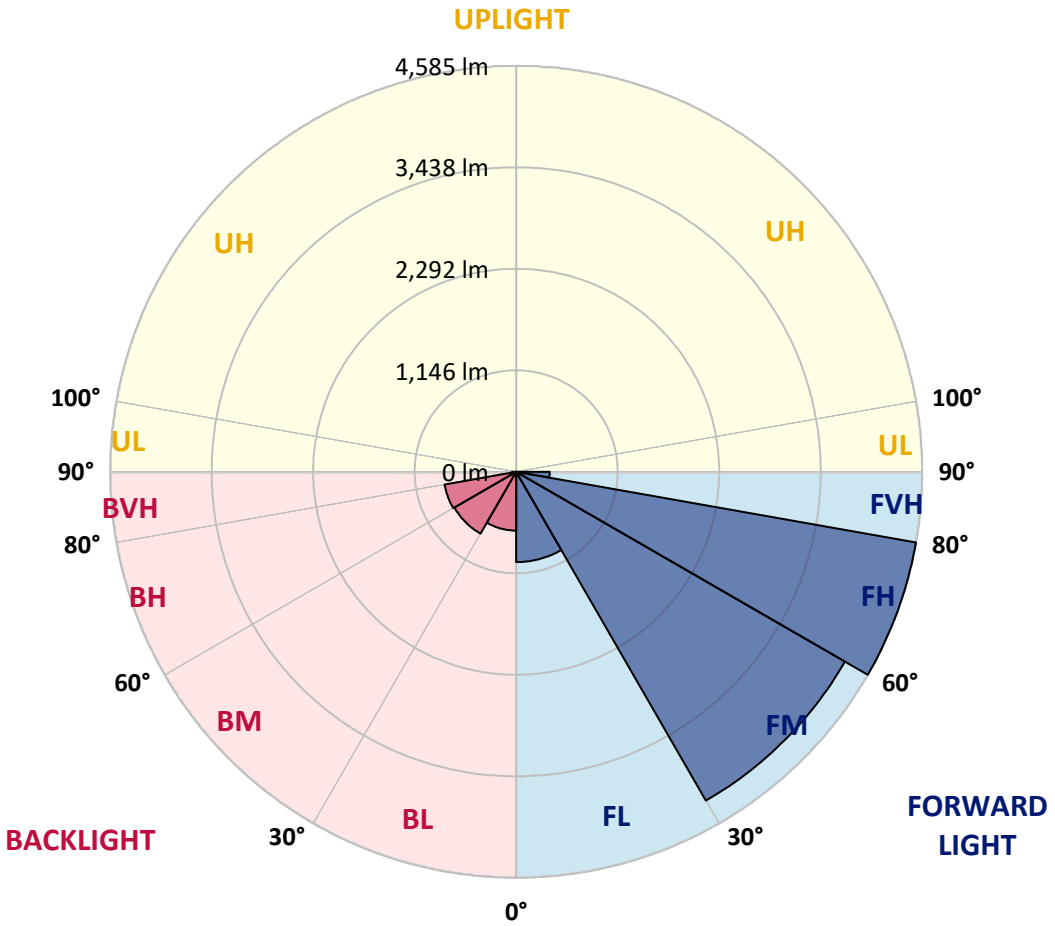
LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	1019.3	8.1			
FM	(30°-60°)	4286.3	34.0			
FH	(60°-80°)	4584.6	36.4			G2/5000
FVH	(80°-90°)	378.8	3.0			G3/500
BL	(0°-30°)	663.4	5.3	B2/1000		
BM	(30°-60°)	805.9	6.4	B1/1000		
BH	(60°-80°)	820.8	6.5	B2/1000		G2/1000
BVH	(80°-90°)	46.0	0.4			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G3
Type III Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	66°	75°	85°
0°	2887.6	2887.6	2887.6	2887.6	2887.6	2887.6	2887.6	2887.6	*2887.6*	2887.6	2887.6
2.5°	2834.0	2829.7	2842.7	2856.2	2861.4	2870.2	2883.2	2890.6	*2890.2*	2891.5	2887.1
5°	2646.0	2640.4	2666.5	2687.8	2728.7	2774.8	2831.0	2871.0	*2871.9*	2894.5	2900.6
7.5°	2468.0	2464.1	2494.1	2528.5	2576.0	2646.5	2737.4	2823.6	*2828.8*	2890.2	2911.5
10°	2325.3	2324.4	2353.6	2391.0	2446.3	2525.0	2629.5	2755.7	*2763.5*	2869.3	2913.2
12.5°	2213.9	2215.6	2240.9	2283.5	2341.8	2424.1	2537.2	2679.5	*2692.2*	2836.2	2903.2
15°	2131.6	2138.6	2159.0	2202.1	2259.6	2343.1	2459.3	2609.0	*2628.2*	2799.2	2897.6
17.5°	2084.6	2092.4	2106.8	2142.5	2196.5	2277.0	2387.1	2551.2	*2568.6*	2770.9	2898.0
20°	2070.7	2077.2	2085.5	2107.2	2152.9	2226.1	2330.1	2498.9	*2517.6*	2748.3	2902.4
22.5°	2098.1	2102.9	2103.8	2102.0	2129.9	2189.5	2288.7	2460.6	*2480.6*	2733.5	2905.4
25°	2156.9	2163.4	2158.6	2142.5	2133.4	2169.9	2267.4	2435.4	*2455.4*	2722.6	2899.3
27.5°	2245.2	2246.1	2242.2	2221.3	2178.2	2172.1	2260.9	2420.6	*2439.7*	2710.0	2886.7
30°	2365.3	2371.0	2364.0	2335.7	2265.2	2206.9	2268.7	2406.2	*2423.6*	2693.9	2866.2
32.5°	2505.9	2519.8	2519.4	2489.8	2388.8	2284.8	2300.9	2397.5	*2411.0*	2676.9	2841.4
35°	2651.7	2670.8	2706.5	2693.9	2569.0	2408.0	2362.7	2411.5	*2420.6*	2674.7	2824.0
37.5°	2803.1	2822.3	2895.8	2929.8	2783.5	2584.2	2460.2	2460.6	*2465.0*	2701.3	2822.7
40°	2961.5	2982.0	3092.5	3180.9	3061.6	2807.5	2617.3	2563.3	*2558.5*	2766.6	2848.4
42.5°	3183.5	3201.8	3334.5	3447.2	3370.2	3093.4	2834.5	2721.7	*2711.7*	2894.5	2930.6
45°	3464.2	3479.9	3620.9	3741.4	3701.8	3419.8	3107.3	2939.8	*2938.0*	3107.8	3097.3
47.5°	3798.0	3810.2	3936.8	4053.5	4067.8	3795.4	3450.3	3276.2	*3247.9*	3400.2	3355.4
50°	4145.7	4159.2	4245.4	4370.7	4477.4	4298.0	3891.6	3688.3	*3650.5*	3786.3	3721.0
52.5°	4376.0	4393.8	4468.6	4627.5	4937.8	4849.0	4413.4	4187.9	*4130.5*	4254.1	4204.0
55°	4273.2	4313.3	4427.7	4682.3	5306.0	5690.7	5057.0	4770.7	*4705.8*	4808.5	4778.9
57.5°	3806.3	3861.1	4017.3	4410.3	5357.8	6432.3	6030.2	5457.0	*5411.3*	5381.7	5395.2
60°	2952.8	3005.5	3199.2	3711.4	4997.0	6973.7	7494.6	6303.0	*6236.9*	5957.0	5969.2
62.5°	2089.8	2063.3	2196.0	2570.7	4060.4	7037.2	9161.0	7434.5	*7216.9*	6564.6	6511.0
65°	1593.7	1587.6	1647.2	1766.5	2459.3	6276.9	10153.7	9336.4	*8996.5*	7279.2	7153.0
67.5°	1309.5	1298.6	1357.4	1531.0	1583.7	4049.5	10175.4	11542.8	*11209.0*	8168.7	7895.4
70°	1076.7	1064.5	1119.3	1343.5	1463.6	2053.7	8563.9	12835.0	*12817.1*	9295.0	8456.0
71°	*965.3*	*956.6*	*1022.3*	*1271.2*	*1437.9*	*1711.6*	*7394.1*	*12838.4*	*12892.0*	*9676.3*	*8422.9*
72.5°	786.0	789.0	858.7	1131.5	1418.8	1511.5	5434.4	12240.0	*12353.2*	10039.7	8122.2
75°	522.2	524.9	616.2	870.4	1375.7	1478.8	2986.8	10270.8	*10478.8*	9822.1	7411.5
77.5°	350.8	349.9	412.1	597.1	1198.5	1478.8	1751.3	7681.7	*7910.2*	7815.3	5713.8
80°	241.5	239.8	283.8	412.1	907.4	1496.7	1353.9	5383.4	*5452.6*	4220.6	2322.2
82.5°	148.0	149.3	185.4	291.1	617.6	1346.9	1278.2	2935.4	*2860.1*	1183.7	580.1
85°	84.9	84.4	118.4	197.1	396.5	1136.7	1246.4	1263.4	*1158.9*	356.4	209.8
87.5°	30.5	32.6	63.5	109.2	227.2	791.6	1057.5	657.2	*592.3*	161.0	94.9
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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Scaled Data Report

REPORT NUMBER: P387169
CATALOG NUMBER: GPC-SA2D-830-U-SL2

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	2887.6	2887.6	2887.6	2887.6	2887.6	2887.6	2887.6	2887.6	2887.6	2887.6	2887.6
2.5°	2884.1	2886.7	2883.6	2866.2	2851.4	2827.5	2814.0	2795.3	2789.6	2787.0	2794.0
5°	2895.0	2895.8	2870.2	2824.5	2773.1	2712.6	2669.1	2615.6	2590.3	2579.4	2586.4
7.5°	2905.0	2901.1	2844.9	2757.4	2662.6	2557.2	2463.7	2377.9	2327.9	2307.4	2309.2
10°	2906.3	2889.7	2799.7	2664.3	2517.2	2362.7	2219.1	2086.8	2003.2	1948.8	1965.4
12.5°	2892.8	2864.9	2733.1	2543.8	2339.6	2129.0	1934.9	1736.5	1617.2	1561.9	1563.7
15°	2882.3	2831.9	2651.2	2401.9	2127.7	1848.7	1583.7	1350.4	1223.4	1166.8	1140.2
17.5°	2873.6	2796.2	2556.4	2242.2	1877.5	1523.6	1205.1	997.0	927.4	910.9	903.9
20°	2861.4	2758.3	2450.6	2057.2	1592.4	1159.8	880.0	777.3	777.7	796.9	799.5
22.5°	2844.5	2715.2	2337.9	1849.6	1286.5	844.7	689.8	660.2	690.2	726.8	733.3
25°	2819.2	2664.3	2212.6	1620.3	980.9	649.3	589.3	588.0	624.5	662.8	668.5
27.5°	2783.5	2597.7	2073.3	1373.9	722.9	551.8	527.9	537.0	564.0	591.9	594.0
30°	2735.7	2520.3	1919.7	1114.1	566.6	491.3	488.7	497.0	513.5	533.1	534.9
32.5°	2683.0	2441.5	1755.6	862.6	485.2	458.7	461.3	465.2	473.1	480.9	482.6
35°	2635.1	2361.0	1587.6	655.4	446.5	437.4	435.6	434.8	435.6	433.0	433.5
37.5°	2604.2	2294.4	1412.7	521.8	424.3	418.7	413.4	406.9	399.5	395.2	396.0
40°	2592.9	2244.8	1235.5	450.9	406.0	402.1	392.1	378.2	369.5	366.9	366.9
42.5°	2623.4	2219.1	1064.5	415.2	390.8	384.3	367.7	351.6	345.1	344.7	344.2
45°	2716.5	2229.5	901.7	395.6	376.9	364.3	342.5	329.0	324.7	325.5	325.1
47.5°	2883.6	2295.3	762.5	382.5	363.0	346.4	322.0	311.2	305.9	305.9	306.4
50°	3167.8	2448.9	651.5	371.7	351.2	329.9	307.3	293.8	286.8	286.4	286.4
52.5°	3581.7	2723.9	582.3	362.5	338.2	315.1	292.5	275.5	267.2	265.5	264.6
55°	4100.5	3118.2	563.2	356.4	320.7	299.0	274.6	257.6	248.5	244.6	244.1
57.5°	4680.6	3597.8	601.0	349.0	302.9	279.8	255.0	238.9	229.4	224.6	224.1
60°	5267.7	4121.4	755.5	338.6	288.1	258.9	235.0	220.2	210.6	205.4	204.5
62.5°	5855.6	4673.2	1071.0	337.7	277.7	238.9	214.6	201.9	192.8	187.1	185.8
65°	6518.9	5277.3	1429.6	360.8	274.2	220.6	193.7	183.7	175.8	170.6	170.2
67.5°	7280.5	5959.2	1395.3	408.2	285.9	204.1	174.1	166.2	160.6	156.2	155.8
70°	7637.8	5852.6	867.4	441.7	302.5	188.0	155.4	149.7	145.4	142.3	141.0
71°	*7488.1*	*5557.1*	*727.2*	*437.8*	*300.7*	*181.0*	*148.0*	*143.6*	*139.3*	*136.7*	*135.3*
72.5°	7079.9	5067.9	606.7	407.3	281.1	168.4	138.4	134.0	130.1	127.1	126.2
75°	6353.1	4526.1	485.7	325.5	224.1	142.3	121.4	116.6	113.6	111.8	110.1
77.5°	4670.1	3230.1	375.6	257.2	164.9	116.2	103.6	100.1	97.0	94.4	93.1
80°	1789.1	1251.2	252.9	191.9	121.0	91.8	83.6	81.8	78.8	77.0	77.0
82.5°	481.8	373.8	134.9	116.2	80.9	67.0	64.0	63.1	60.5	57.0	57.4
85°	195.0	164.9	75.7	64.0	49.6	39.6	43.1	43.5	40.5	36.1	36.6
87.5°	85.7	70.1	42.2	28.3	21.8	15.2	19.6	19.6	17.8	14.8	13.5
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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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

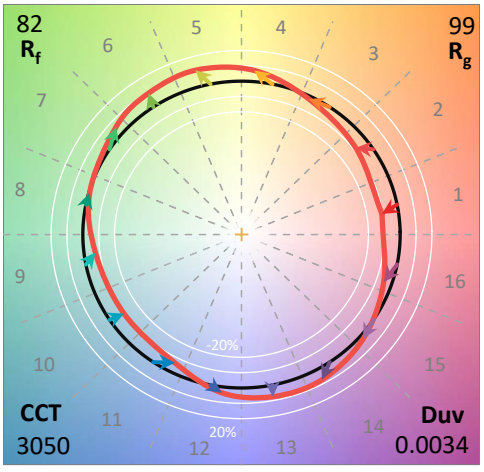
Test Information

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

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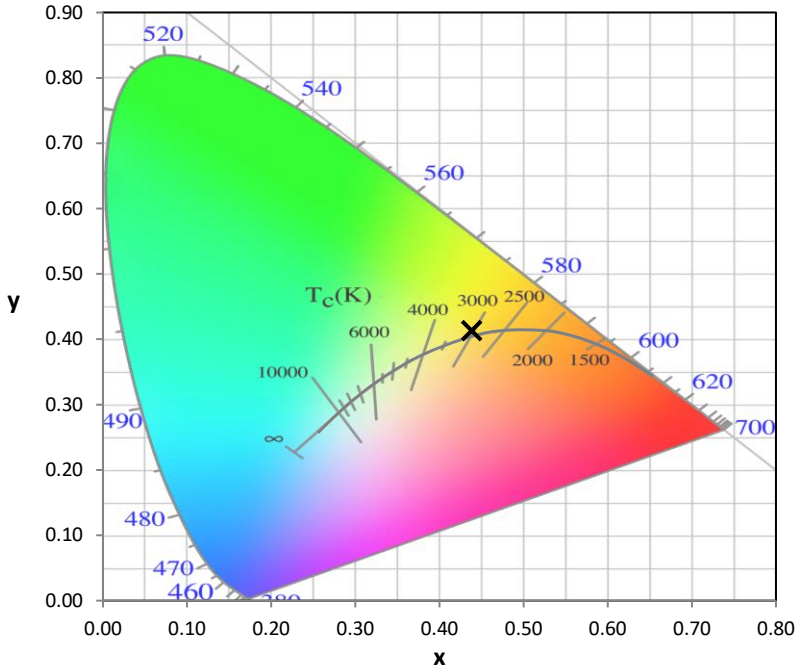
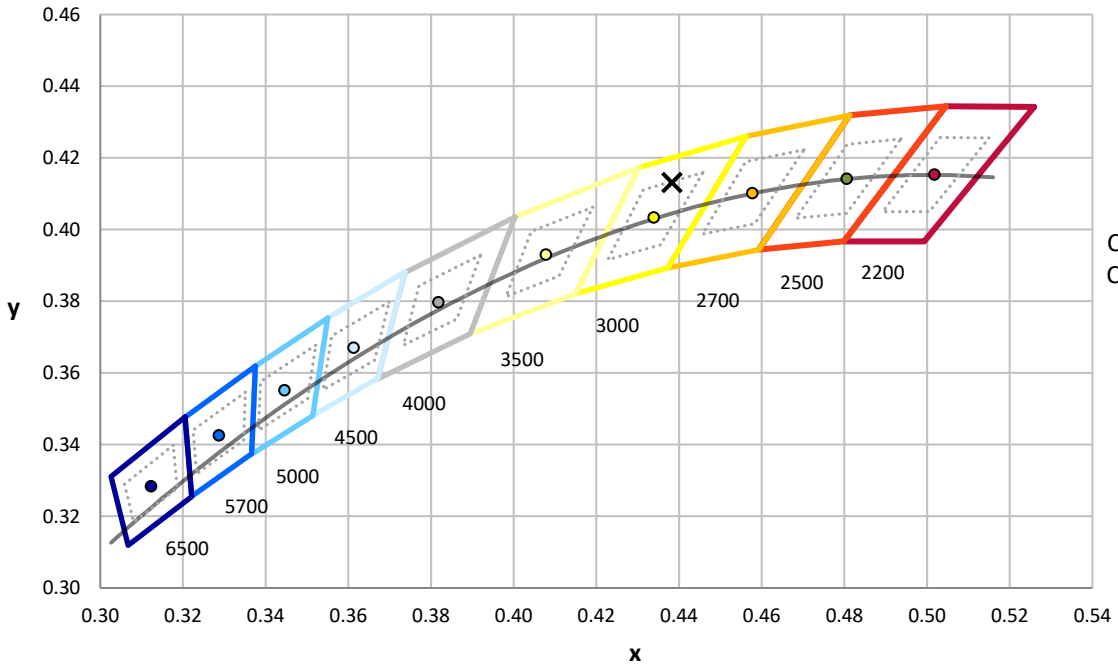
CIE 1931 Chromaticity Diagram



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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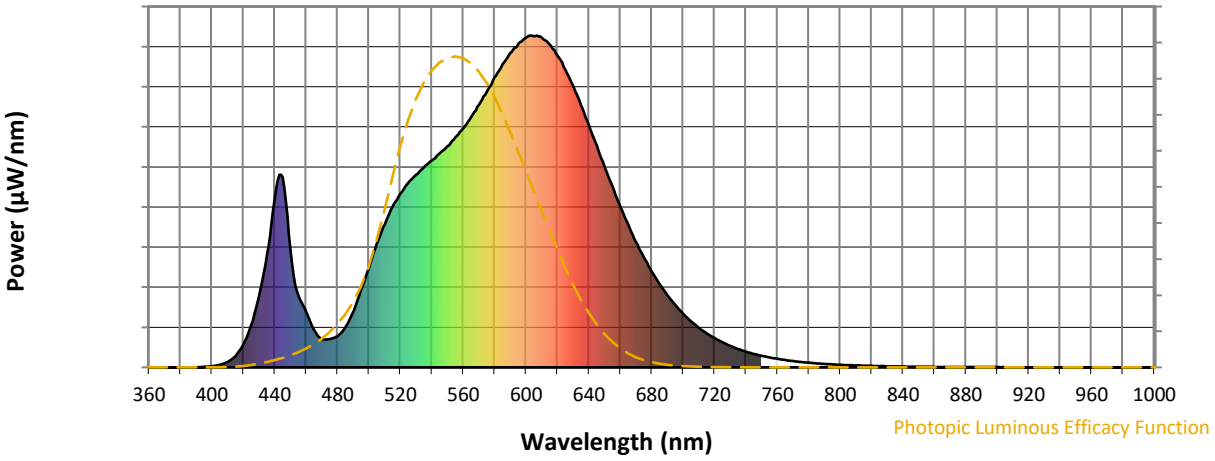
Photopic Flux vs. Wavelength



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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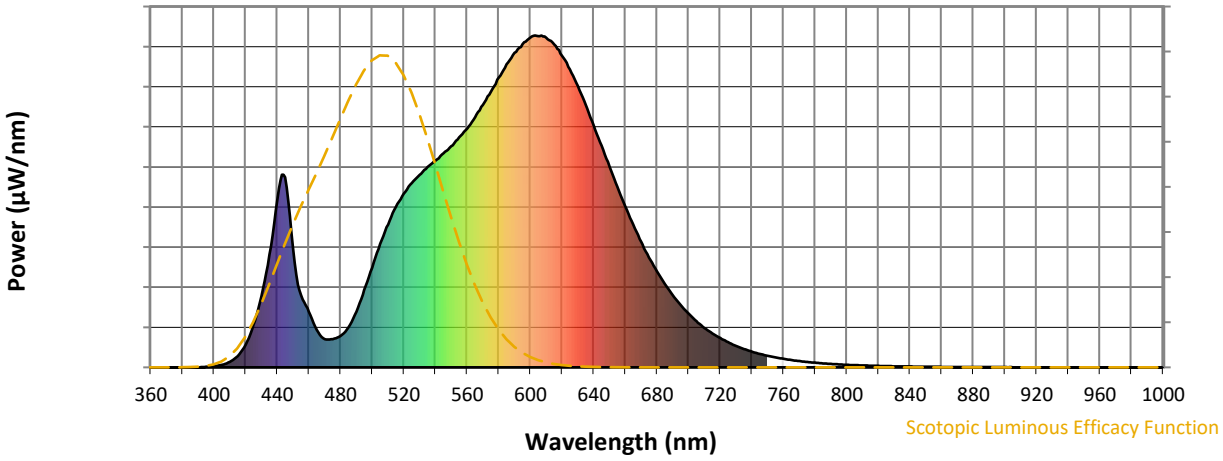
Scotopic Flux vs. Wavelength



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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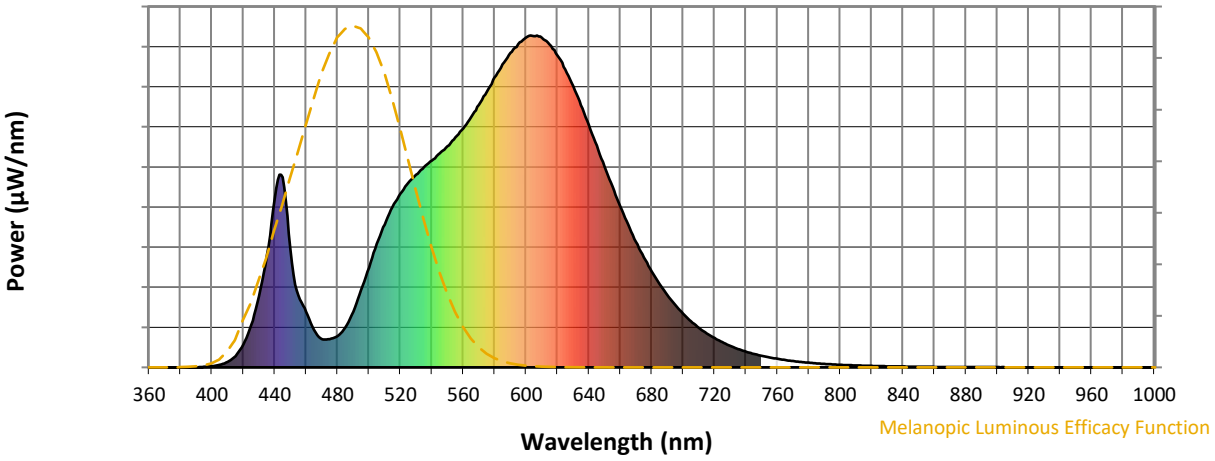
Melanopic Flux vs. Wavelength



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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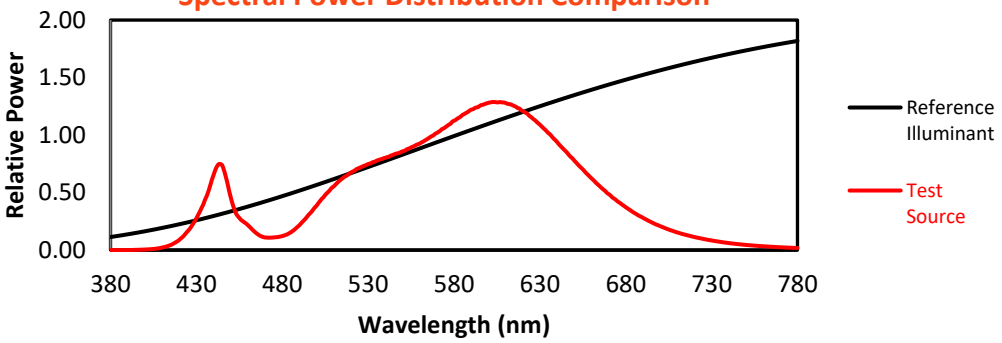
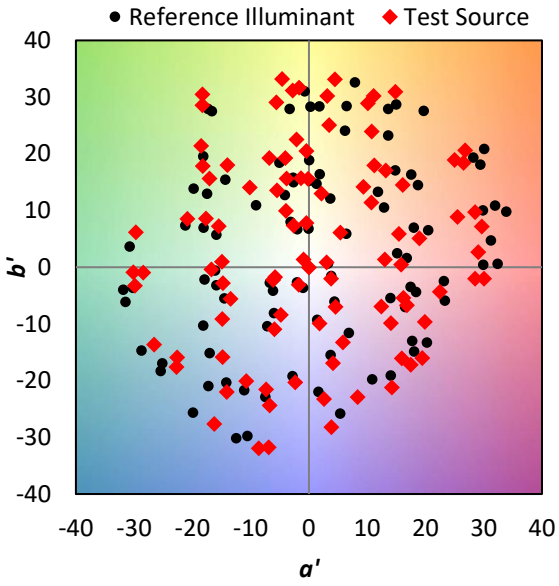
Summary

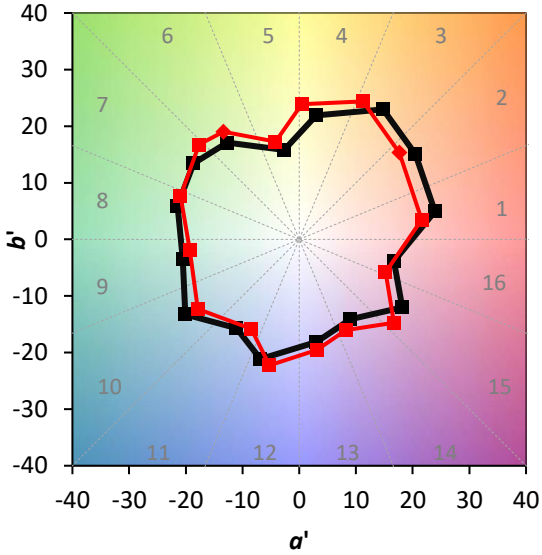
R_f = 81.5
R_g = 99.2
CIE R_a = 81.0
R_9 = 7.1

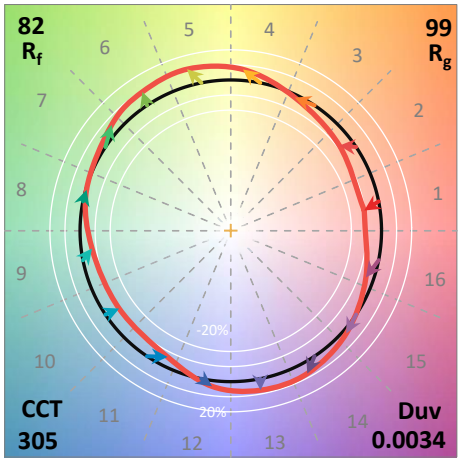
Spectral Power Distribution Comparison

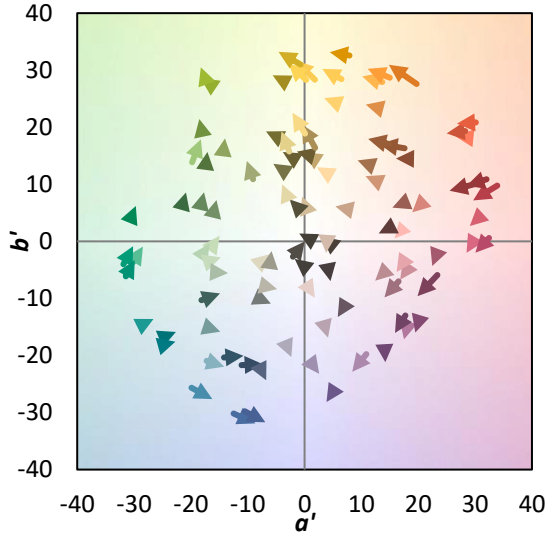


Color Vector Graphics









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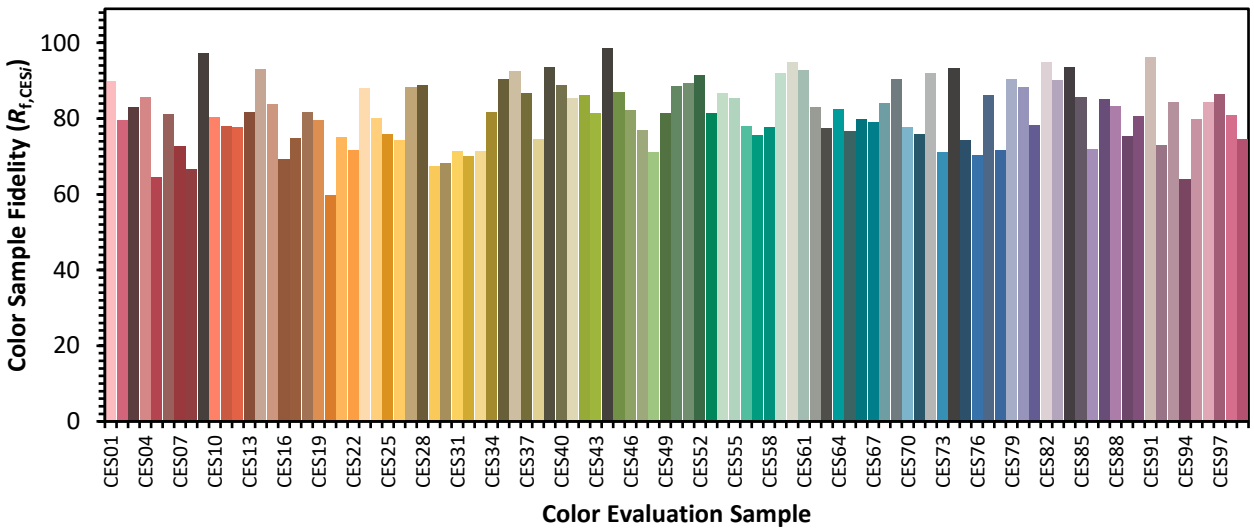
Individual Sample Fidelity Index ($R_{f,i}$)

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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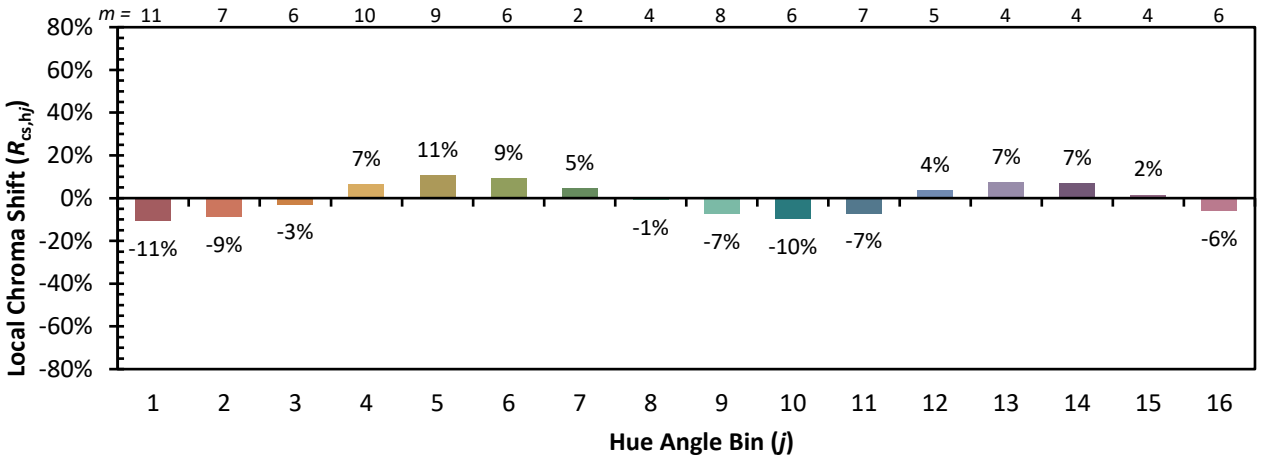
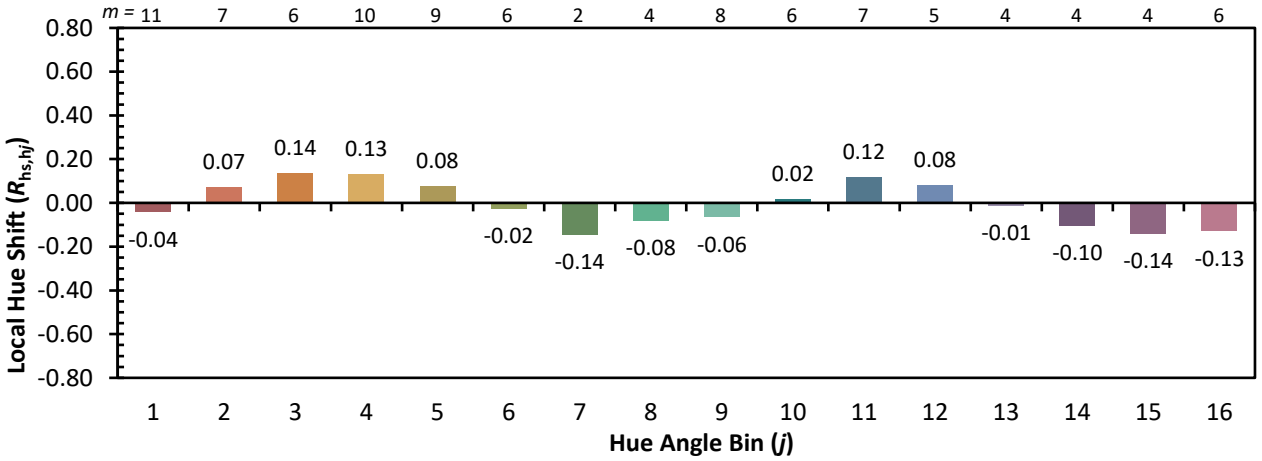
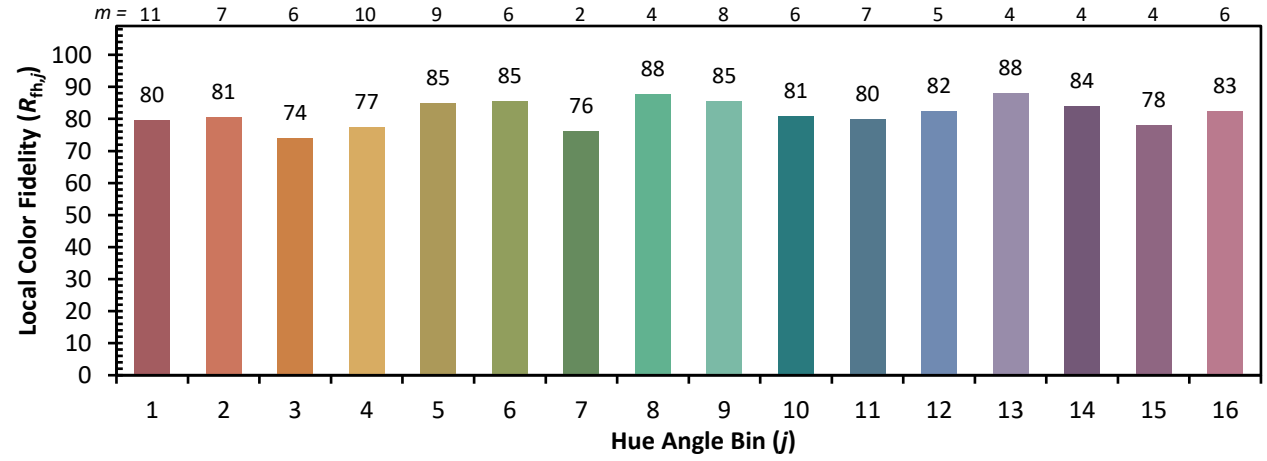
Color Rendition by Hue-Angle Bin







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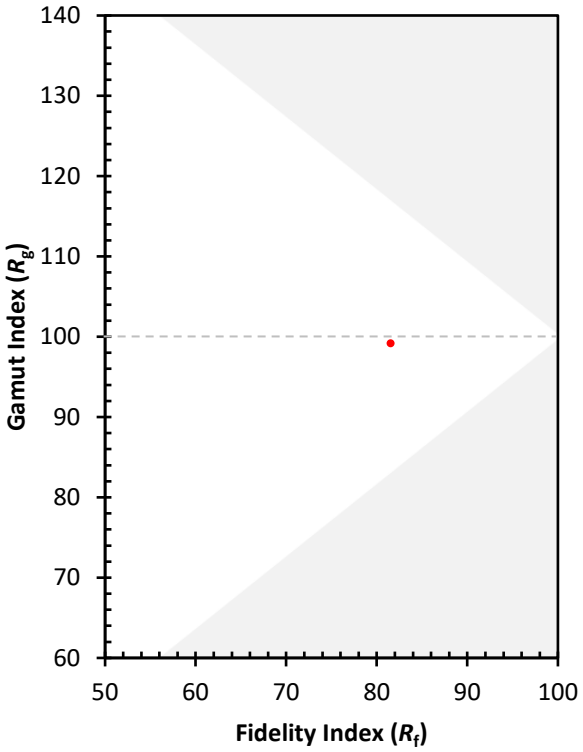
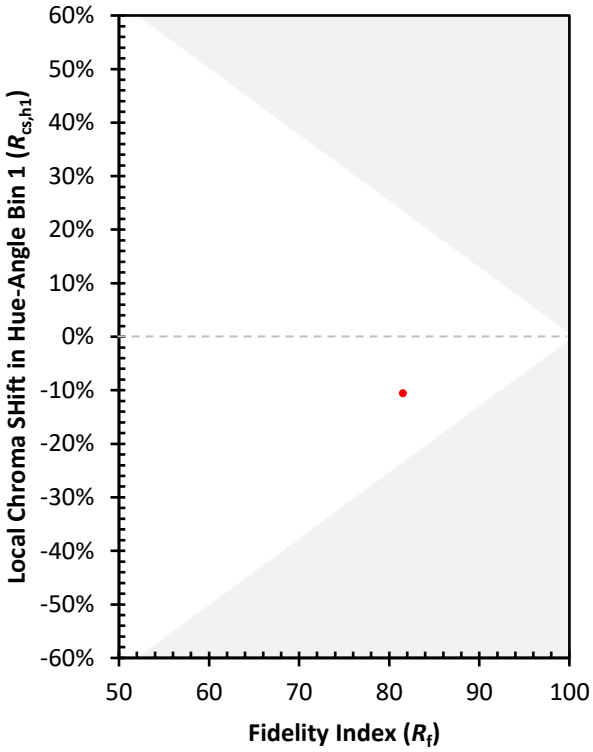
Measure Comparisons





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