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: P387170

Luminaire Tested: **GPC-SA2D-830-U-SL3-HSS**

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:	P387170
	TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-23)
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-SL3-HSS
Description:	GALLEON PEDESTRIAN LUMINAIRE
	(2) 80 CRI, 3000K, 1200mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III SPILL LIGHT ELIMINATOR OPTICS WITH HOUSE SIDE SHIELD
Light Source:	-
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	10993 lumens
Efficiency:	N/A
Efficacy:	85.9 lumens/watt
Luminous Opening:	Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification:	Type III - Medium
BUG Rating:	B1 - U0 - G2

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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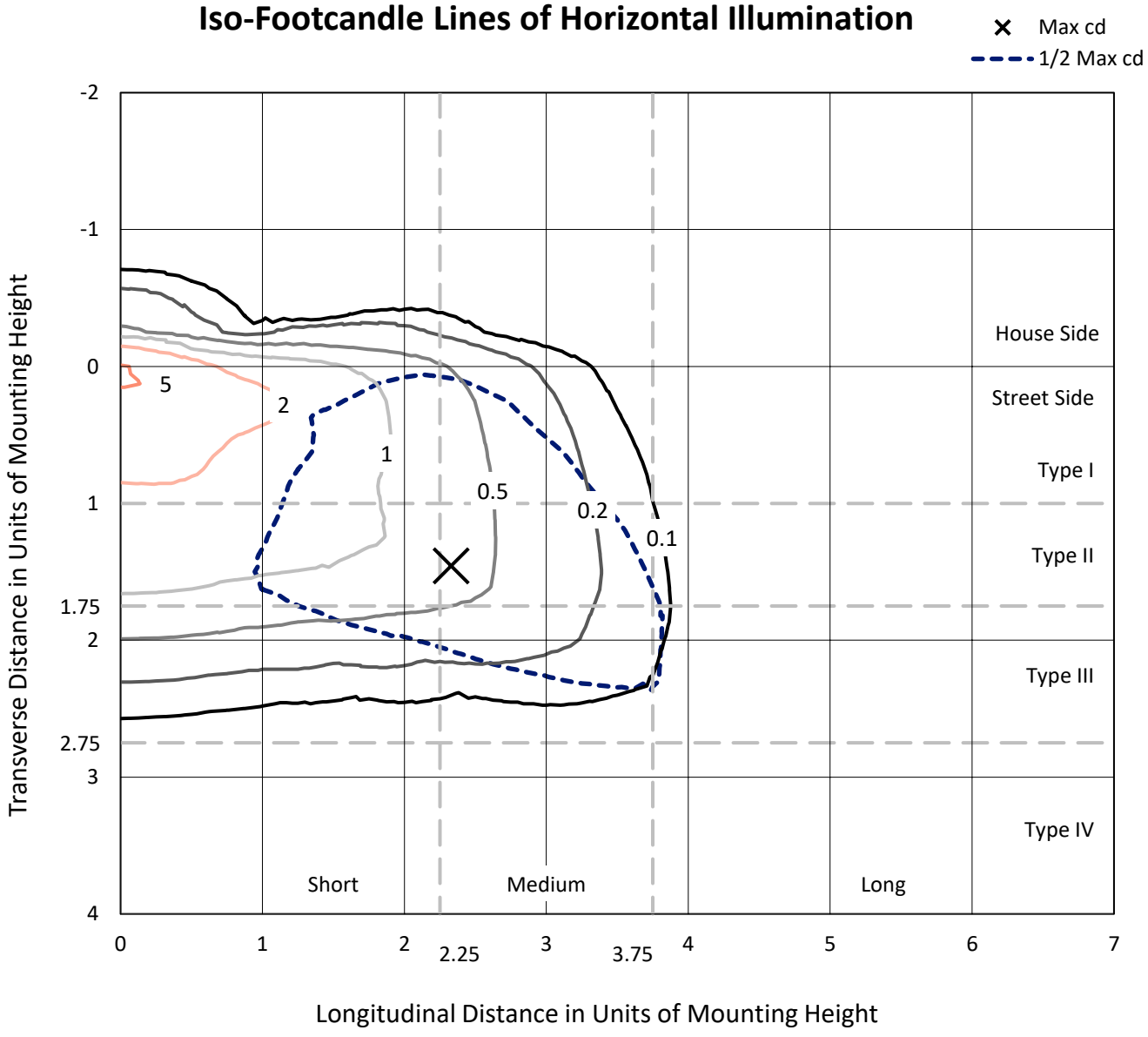
REPORT NUMBER: P387170
CATALOG NUMBER: GPC-SA2D-830-U-SL3-HSS

Iso-Footcandle Lines of Horizontal Illumination



Based on 25 foot mounting height. Maximum calculated value = 5.3 fc
Type III - Medium - N/A

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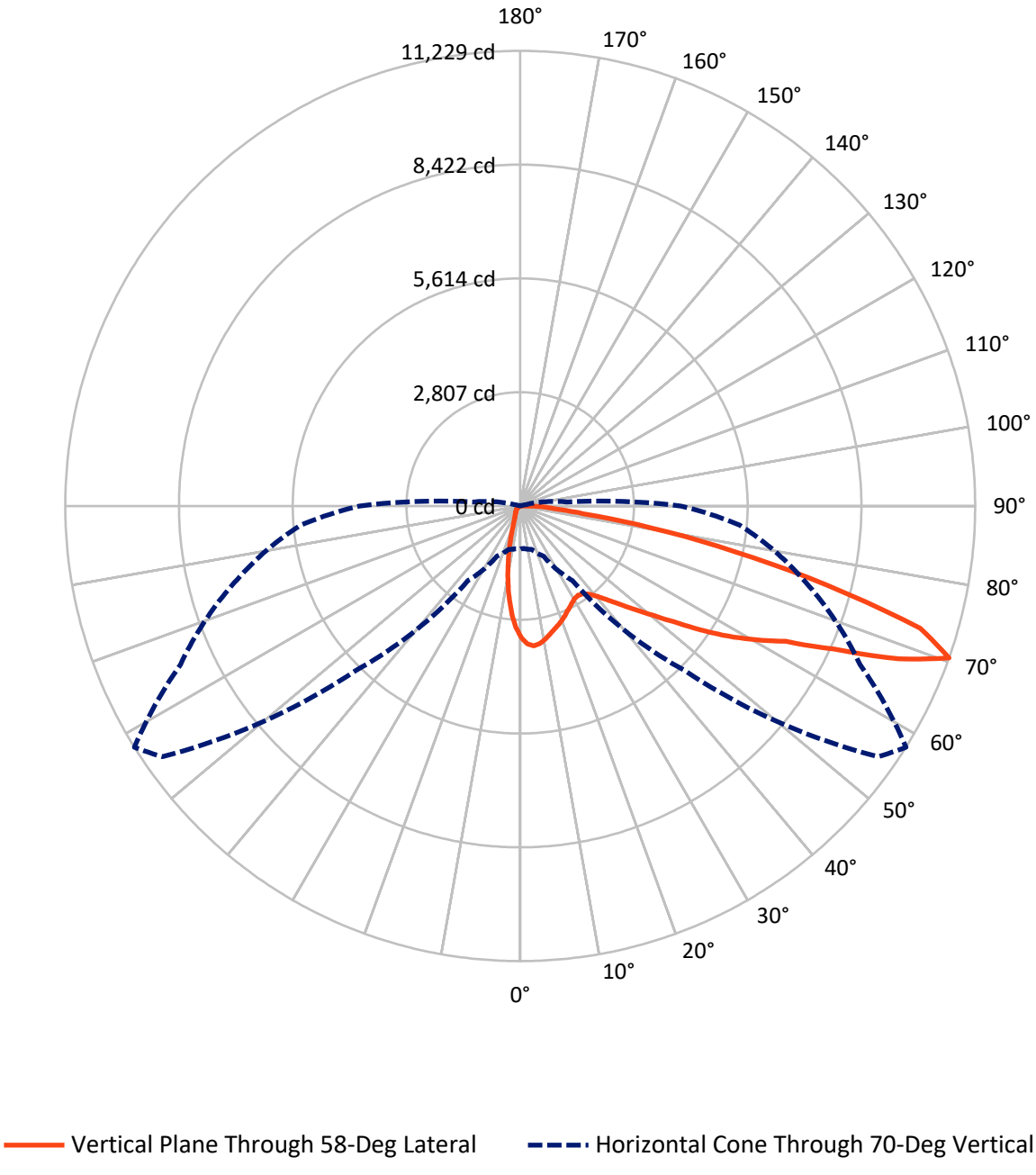
Luminous Intensity Polar Plot



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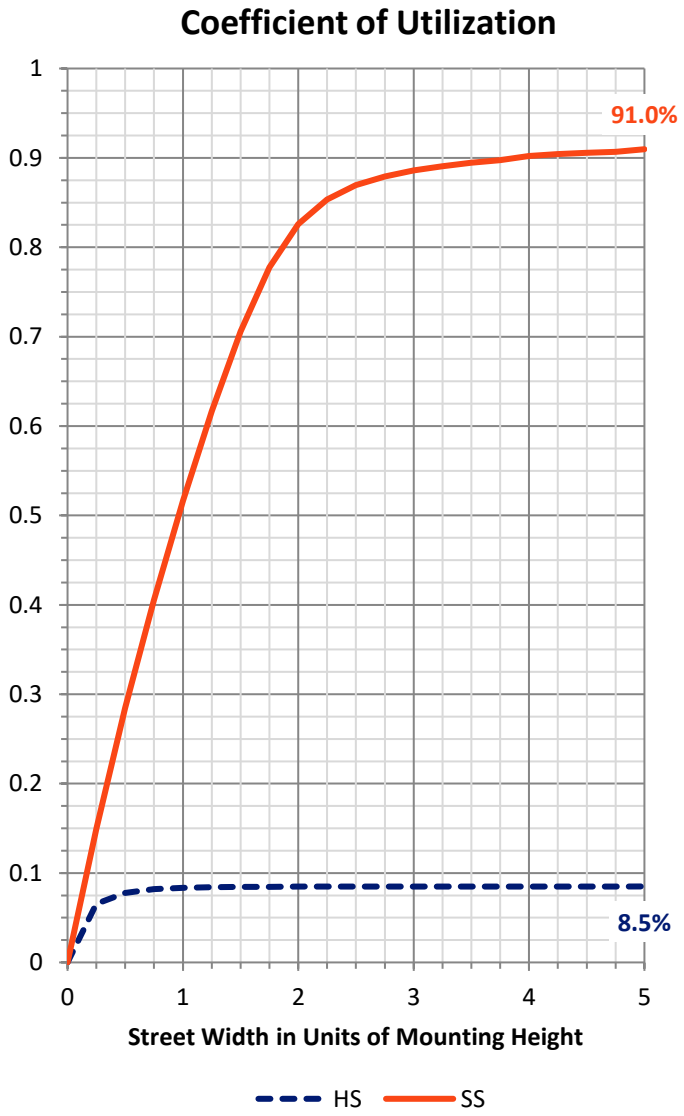
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	940.8	0.0	940.8
	% Fixture	8.6	0.0	8.6
Street Side	Lumens	10052.2	0.0	10052.2
	% Fixture	91.4	0.0	91.4
Total	Lumens	10993.0	0.0	10993.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	265.5	2.4
10°-20°	557.3	5.1
20°-30°	732.7	6.7
30°-40°	970.3	8.8
40°-50°	1450.4	13.2
50°-60°	2323.4	21.1
60°-70°	2928.7	26.6
70°-80°	1579.7	14.4
80°-90°	184.9	1.7
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°	10993.0	100.0
0°-180°	10993.0	100.0



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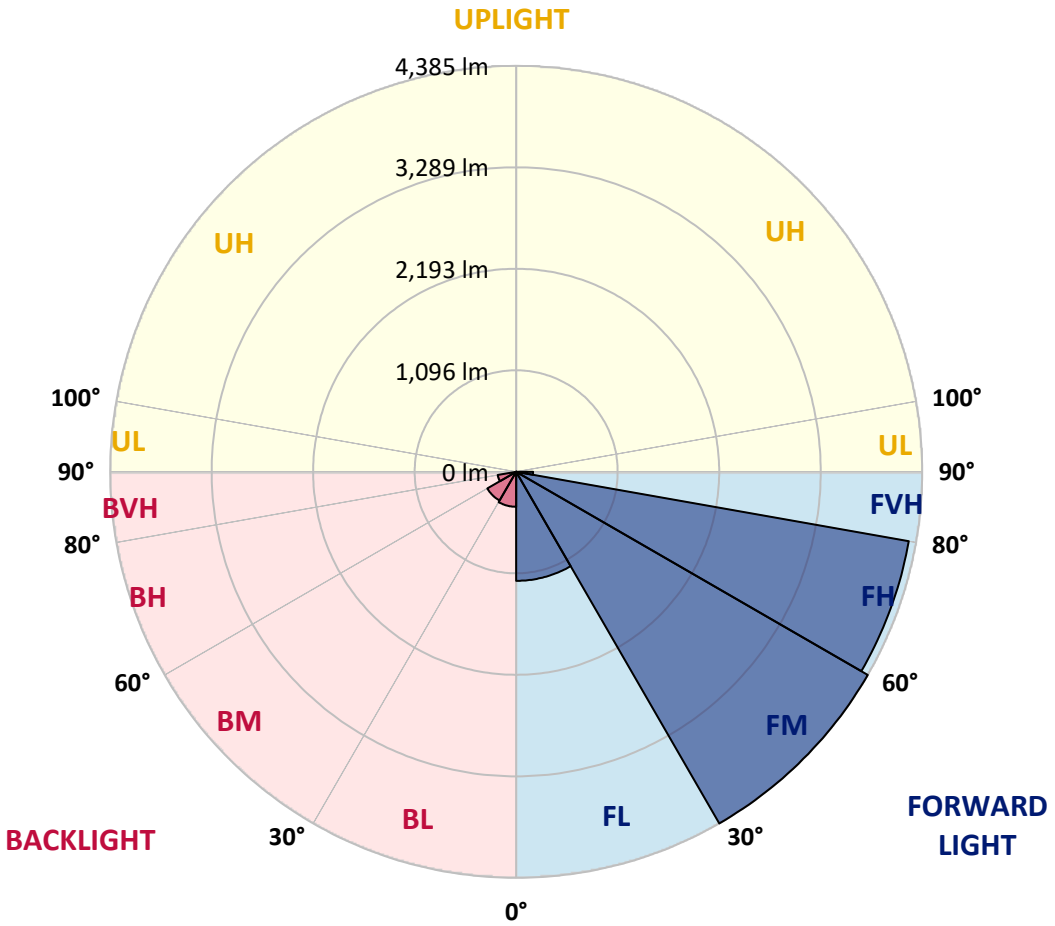
LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	1177.6	10.7			
FM	(30°-60°)	4385.3	39.9			
FH	(60°-80°)	4306.1	39.2			G2/5000
FVH	(80°-90°)	183.3	1.7			G2/225
BL	(0°-30°)	378.0	3.4	B1/500		
BM	(30°-60°)	358.9	3.3	B1/1000		
BH	(60°-80°)	202.3	1.8	B1/500		G1/500
BVH	(80°-90°)	1.6	0.0			G0/10
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G2
Type III Medium



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Scaled Data Report

REPORT NUMBER: P387170
CATALOG NUMBER: GPC-SA2D-830-U-SL3-HSS

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	58°	65°	75°	85°
0°	3247.3	3247.3	3247.3	3247.3	3247.3	3247.3	3247.3	*3247.3*	3247.3	3247.3	3247.3
2.5°	3516.5	3507.8	3504.6	3499.1	3478.1	3457.5	3416.9	*3405.4*	3379.8	3319.0	3254.6
5°	3519.3	3518.8	3528.4	3526.1	3518.8	3509.2	3479.9	*3464.9*	3421.4	3334.6	3216.7
7.5°	3349.7	3358.4	3379.8	3397.2	3417.3	3443.4	3447.0	*3432.4*	3396.8	3303.0	3146.7
10°	3122.0	3135.7	3165.9	3200.2	3252.8	3304.9	3351.5	*3349.7*	3337.3	3245.0	3062.6
12.5°	2893.9	2909.9	2944.7	2995.4	3069.9	3154.9	3238.1	*3249.6*	3270.1	3192.9	2984.9
15°	2694.2	2707.9	2742.2	2804.3	2896.7	3011.0	3133.0	*3154.0*	3207.1	3152.2	2920.0
17.5°	2524.6	2533.3	2558.4	2627.4	2734.4	2872.9	3031.5	*3072.7*	3151.7	3120.2	2863.8
20°	2406.2	2407.6	2424.0	2472.5	2579.4	2734.4	2926.4	*2985.4*	3093.2	3092.8	2805.7
22.5°	2347.7	2343.1	2346.3	2374.2	2452.8	2602.3	2821.3	*2891.2*	3040.7	3069.5	2746.7
25°	2336.7	2333.1	2323.9	2327.6	2375.1	2486.7	2715.2	*2796.1*	2994.5	3055.3	2695.6
27.5°	2371.0	2374.7	2359.1	2342.7	2346.3	2411.7	2621.0	*2714.8*	2957.0	3055.3	2659.4
30°	2440.0	2441.9	2430.4	2408.9	2380.2	2390.7	2555.7	*2649.4*	2938.3	3076.3	2636.6
32.5°	2516.4	2526.4	2525.1	2507.7	2466.5	2424.0	2540.1	*2625.6*	2936.9	3122.9	2634.3
35°	2611.0	2622.4	2641.6	2638.0	2595.0	2525.1	2593.2	*2660.4*	2963.9	3199.7	2659.0
37.5°	2711.6	2728.9	2770.1	2789.7	2761.8	2682.8	2712.0	*2760.0*	3036.1	3324.1	2721.6
40°	2808.9	2828.6	2903.5	2980.8	2959.8	2878.4	2892.1	*2930.5*	3164.5	3502.8	2840.5
42.5°	2904.5	2933.7	3043.9	3170.9	3196.1	3131.2	3138.5	*3169.1*	3355.2	3748.7	3034.7
45°	3018.7	3051.6	3214.8	3371.6	3438.8	3410.5	3441.6	*3461.7*	3604.3	4073.7	3296.6
47.5°	3186.5	3224.4	3424.6	3603.4	3721.3	3739.6	3802.2	*3815.5*	3919.2	4452.2	3638.1
50°	3513.8	3524.3	3705.3	3867.6	4037.6	4147.3	4218.6	*4228.7*	4300.5	4865.9	4064.6
52.5°	3925.6	3932.5	4034.9	4143.7	4337.0	4561.0	4727.8	*4742.0*	4757.1	5269.1	4485.6
55°	4334.7	4333.8	4401.5	4465.5	4686.7	5012.2	5374.2	*5382.9*	5274.5	5651.7	4807.4
57.5°	4590.3	4614.9	4717.8	4800.1	5109.1	5526.4	6028.8	*6060.8*	5818.0	5935.1	5125.5
60°	4508.9	4520.8	4748.9	5053.3	5635.2	6257.3	6691.1	*6699.3*	6226.7	6218.0	5527.8
62.5°	3841.5	3847.9	4206.3	4833.9	5901.7	7205.4	7490.1	*7356.2*	6696.6	6610.7	6009.1
65°	2632.9	2674.5	2973.9	3749.6	5412.1	7800.1	8727.1	*8505.4*	7412.9	7176.6	6444.3
67.5°	1550.5	1541.8	1689.9	2261.3	3975.0	7405.1	10291.7	*10071.4*	8389.7	7555.5	6316.7
70°	*1059.1*	*1053.2*	*1109.9*	*1369.0*	*2243.9*	*5744.4*	*10784.0*	*11228.8*	*9252.3*	*7300.4*	*5436.4*
72.5°	756.1	759.3	842.9	1063.7	1408.8	3346.9	9273.8	*10326.5*	8982.1	6364.3	4132.2
75°	513.3	522.0	641.8	872.6	1235.1	1702.7	6581.0	*7849.9*	7314.2	4625.5	2375.1
77.5°	276.1	285.7	426.9	703.0	1116.7	1183.0	4233.3	*5402.5*	4594.4	2079.4	688.4
80°	115.2	120.7	199.8	511.0	965.0	1039.0	2490.8	*3276.1*	1957.8	410.0	153.6
82.5°	49.8	52.6	83.2	304.9	721.3	877.2	1318.8	*1576.1*	593.3	90.0	77.3
85°	9.6	10.1	34.3	161.4	460.3	495.0	854.8	*837.9*	266.5	38.9	56.2
87.5°	0.0	0.0	8.2	50.7	135.3	269.7	521.6	*515.2*	90.5	18.7	21.0
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: P387170
CATALOG NUMBER: GPC-SA2D-830-U-SL3-HSS

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	3247.3	3247.3	3247.3	3247.3	3247.3	3247.3	3247.3	3247.3	3247.3	3247.3	3247.3
2.5°	3221.7	3190.1	3123.9	3042.0	2979.4	2910.4	2855.5	2786.1	2755.9	2757.3	2740.8
5°	3149.5	3084.6	2937.8	2752.7	2610.1	2462.9	2336.3	2210.1	2135.6	2111.4	2088.5
7.5°	3046.2	2943.3	2709.3	2424.0	2182.7	1946.8	1741.6	1561.0	1446.7	1391.0	1370.4
10°	2929.6	2785.1	2446.4	2070.7	1726.0	1407.0	1140.9	909.6	817.3	754.7	738.7
12.5°	2827.2	2631.6	2189.5	1708.2	1299.1	914.2	660.5	516.5	453.9	429.2	425.1
15°	2730.8	2488.0	1942.2	1380.0	899.6	562.7	420.1	371.2	356.5	352.4	352.4
17.5°	2639.8	2351.4	1700.4	1056.8	595.2	394.5	347.9	336.9	332.3	331.9	332.3
20°	2544.7	2214.7	1462.7	774.3	415.5	334.1	321.3	315.4	314.0	314.0	314.0
22.5°	2453.7	2078.0	1231.4	553.1	333.2	304.9	298.5	294.4	293.0	292.5	291.6
25°	2366.4	1948.2	1005.6	390.8	292.5	279.3	273.8	268.3	264.2	261.9	260.6
27.5°	2294.7	1832.5	795.4	313.6	264.2	252.8	245.9	237.7	227.6	223.1	221.2
30°	2237.5	1726.9	613.0	264.7	237.7	226.3	215.8	201.6	187.0	179.2	178.7
32.5°	2192.7	1623.2	465.3	234.0	213.9	199.8	184.7	166.8	149.9	141.2	140.8
35°	2170.8	1531.8	355.6	211.6	192.9	175.1	156.3	136.7	120.2	112.0	111.1
37.5°	2185.4	1454.5	277.5	192.9	175.1	154.5	132.6	112.0	97.4	90.0	89.6
40°	2238.9	1405.1	225.4	176.9	160.0	134.8	111.1	91.9	79.5	73.6	73.1
42.5°	2352.7	1386.9	192.4	163.6	145.4	116.6	92.3	75.9	64.5	60.3	59.4
45°	2542.9	1413.8	170.0	150.8	130.3	99.2	76.3	62.2	52.1	48.9	48.5
47.5°	2796.1	1484.7	154.0	138.5	116.6	83.7	63.5	50.3	42.5	39.3	38.9
50°	3122.5	1597.1	140.8	126.2	103.8	70.9	52.6	39.8	32.9	30.6	30.6
52.5°	3477.7	1731.1	128.9	114.7	91.0	59.0	42.5	30.6	26.1	23.3	23.3
55°	3771.1	1848.1	116.1	106.0	75.4	48.9	32.5	23.3	19.2	17.8	17.8
57.5°	4064.1	1972.9	101.5	91.0	60.3	39.8	24.7	17.4	14.2	13.3	13.3
60°	4444.0	2125.5	87.3	74.1	47.5	30.2	18.3	12.3	10.5	10.1	10.1
62.5°	4861.8	2215.1	74.5	59.4	37.0	22.4	13.3	8.2	7.8	7.8	7.3
65°	5117.3	2088.5	62.6	47.5	28.8	16.9	8.7	5.9	6.9	6.4	5.5
67.5°	4791.4	1635.1	51.2	37.0	22.4	12.8	5.5	4.1	7.3	5.9	4.6
70°	*3967.2*	*1144.6*	*39.8*	*26.1*	*17.8*	*11.0*	*3.7*	*2.7*	*7.8*	*5.9*	*3.7*
72.5°	2968.9	766.1	31.5	17.4	13.3	9.6	3.2	1.4	6.9	5.0	3.2
75°	1622.3	308.5	25.1	11.0	8.2	6.9	2.3	0.9	4.6	3.7	2.3
77.5°	426.9	81.4	18.3	7.3	4.6	2.7	1.4	0.5	2.3	1.8	0.9
80°	108.8	31.5	11.9	5.0	3.2	1.4	0.0	0.0	0.5	0.0	0.0
82.5°	58.1	13.3	7.3	3.7	1.8	0.0	0.0	0.0	0.0	0.0	0.0
85°	43.9	8.7	4.1	2.3	0.5	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	16.9	2.7	1.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
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

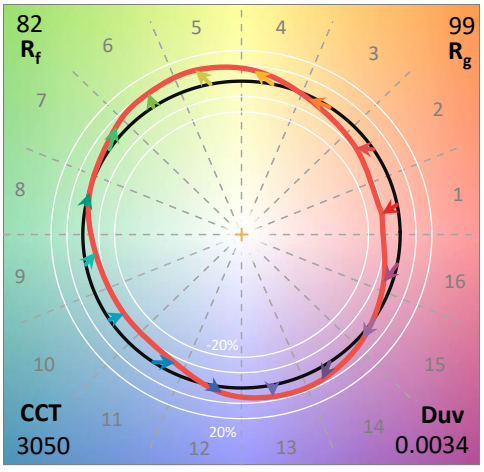
Test Information

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

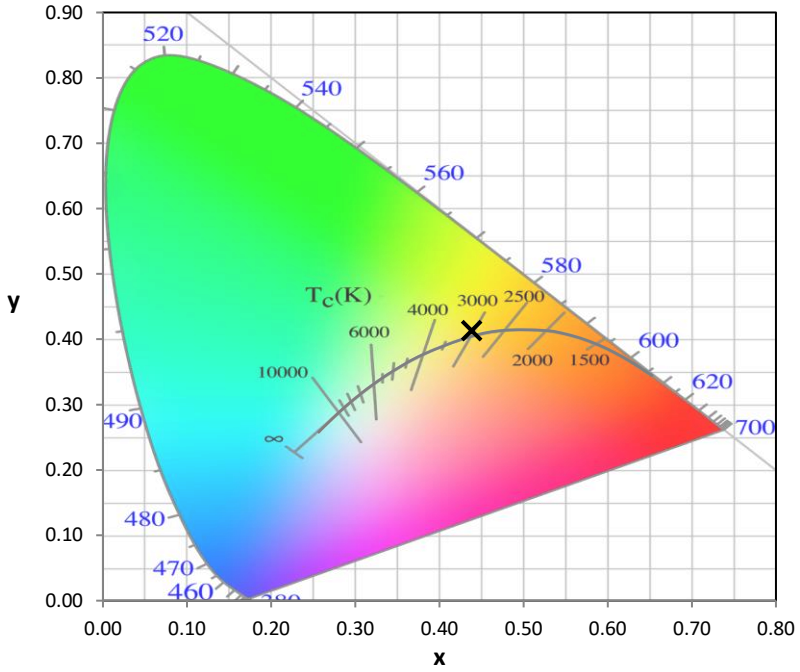
Stabilization Time:	20M
Operation Time:	1H 20M
Sphere Temperature (°C):	24.2

REPORT NUMBER: SP1-2408-195-9

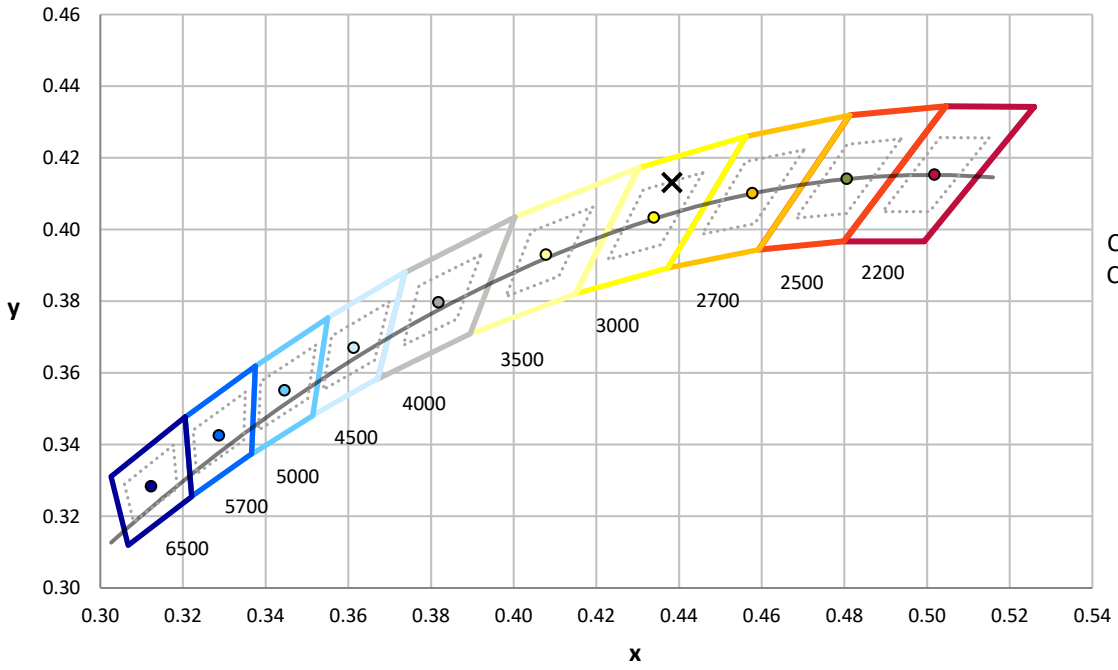
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

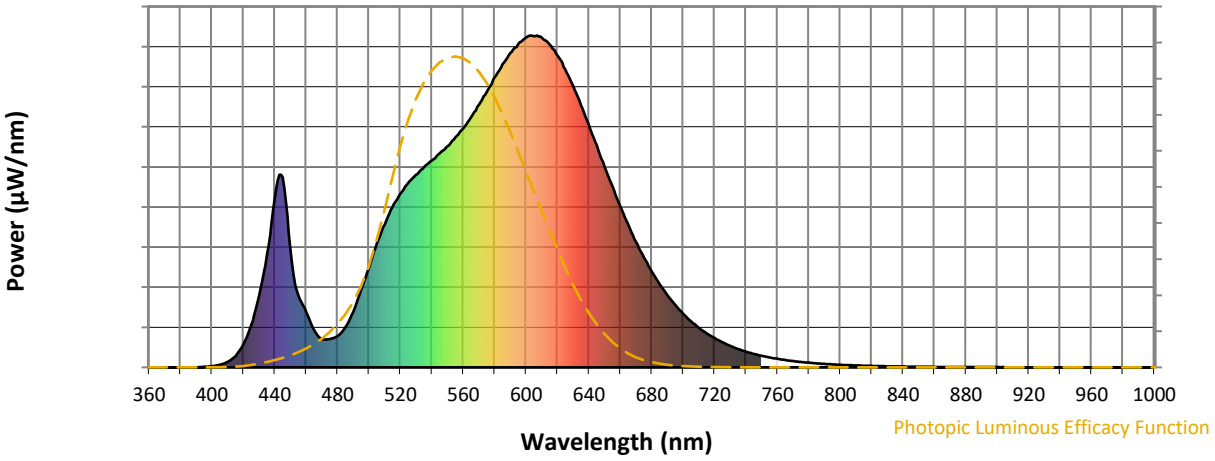


CCT = 3050K
CIE x = 0.4383
CIE y = 0.4131
Duv = 0.0034

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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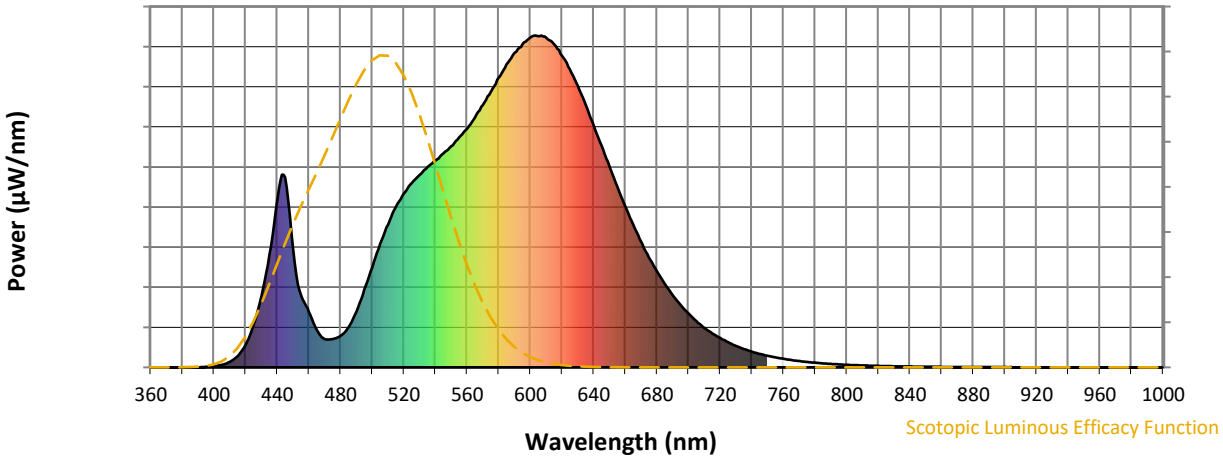
Scotopic Flux vs. Wavelength



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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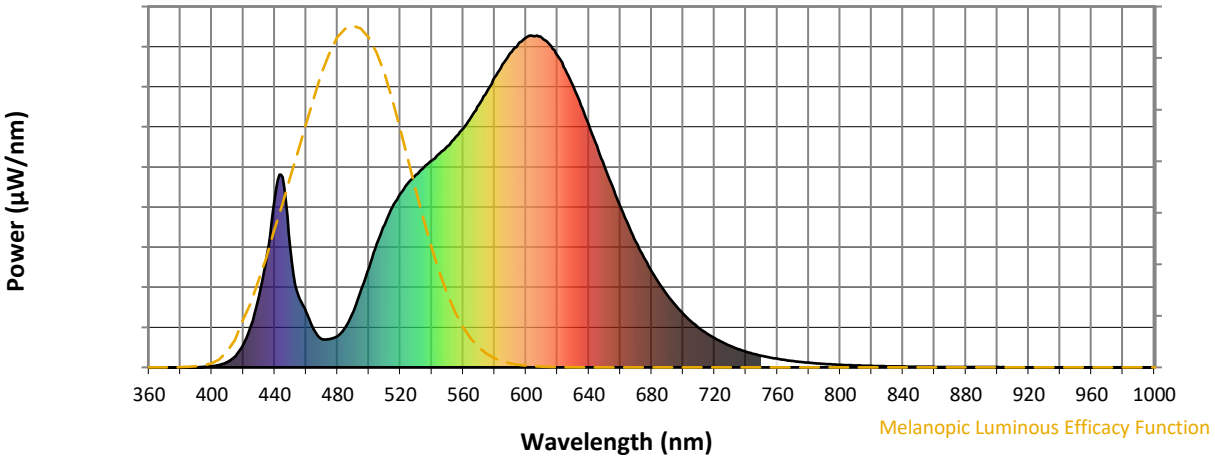
Melanopic Flux vs. Wavelength



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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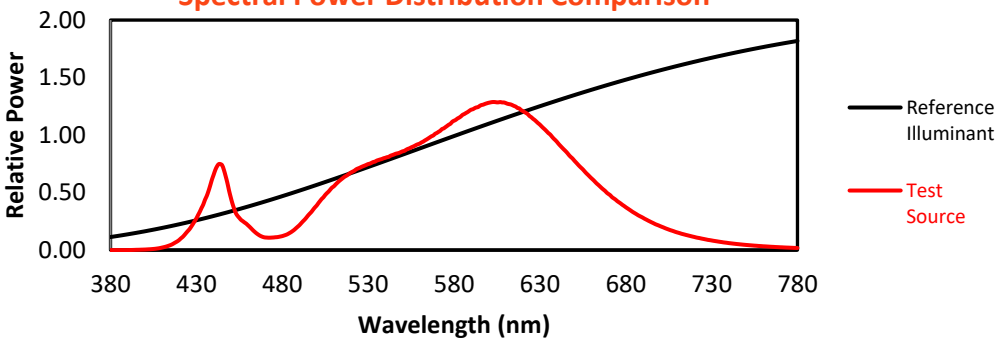
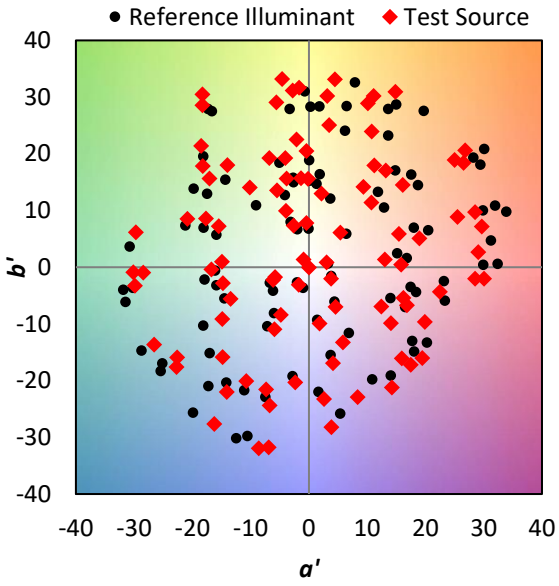
Summary

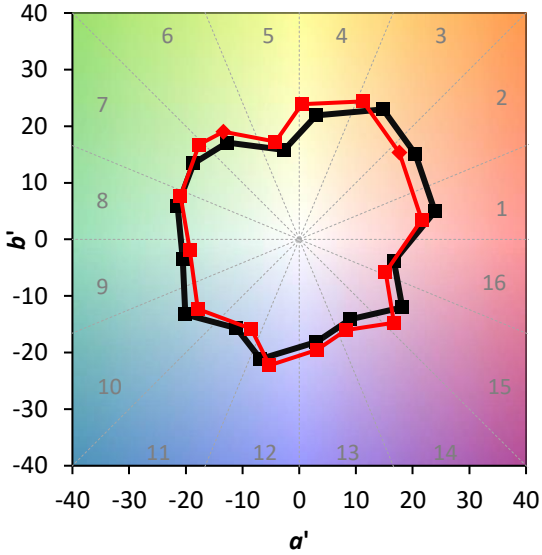
R_f = 81.5
R_g = 99.2
CIE R_a = 81.0
R_9 = 7.1

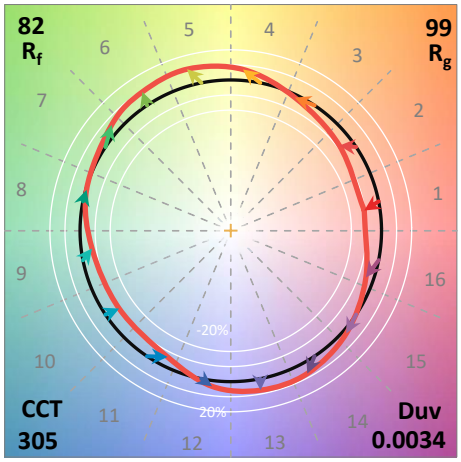
Spectral Power Distribution Comparison

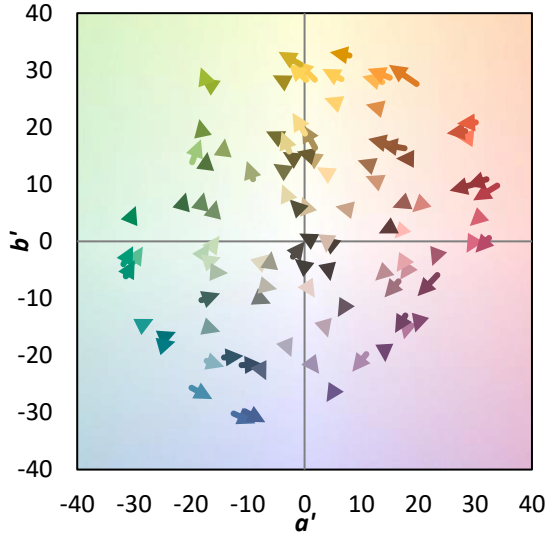


Color Vector Graphics









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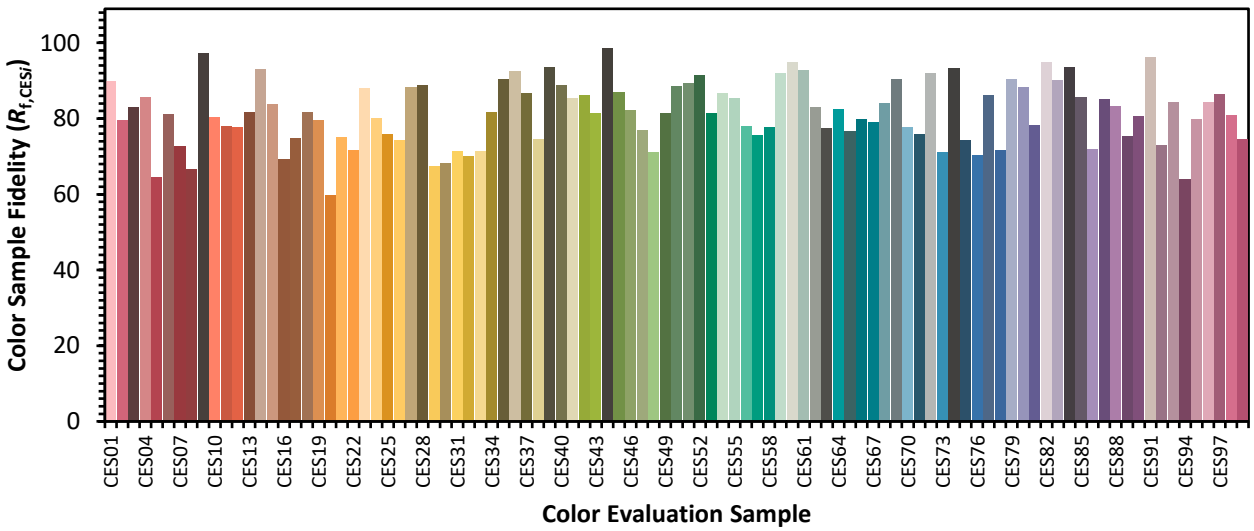
Individual Sample Fidelity Index ($R_{f,i}$)

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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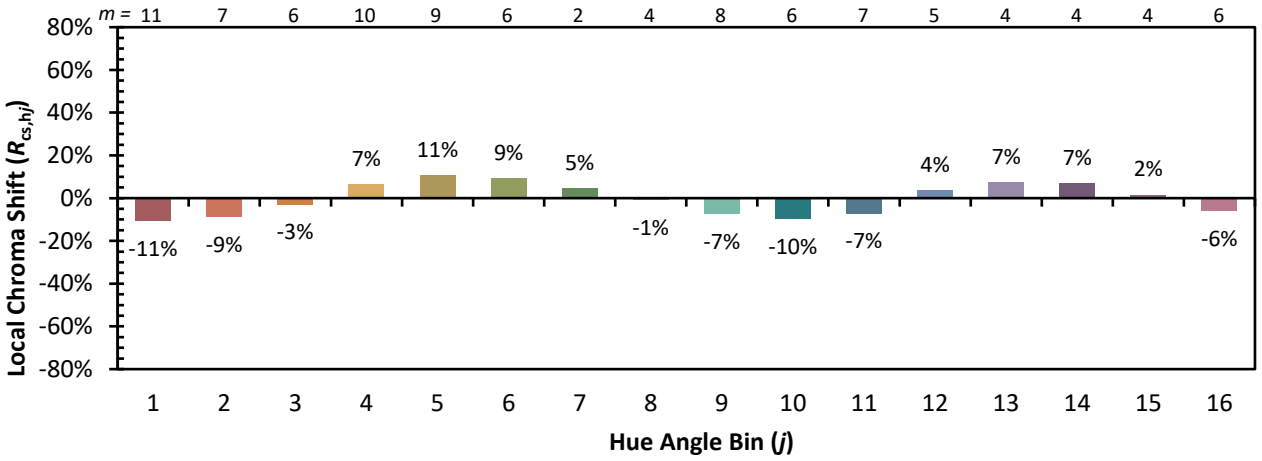
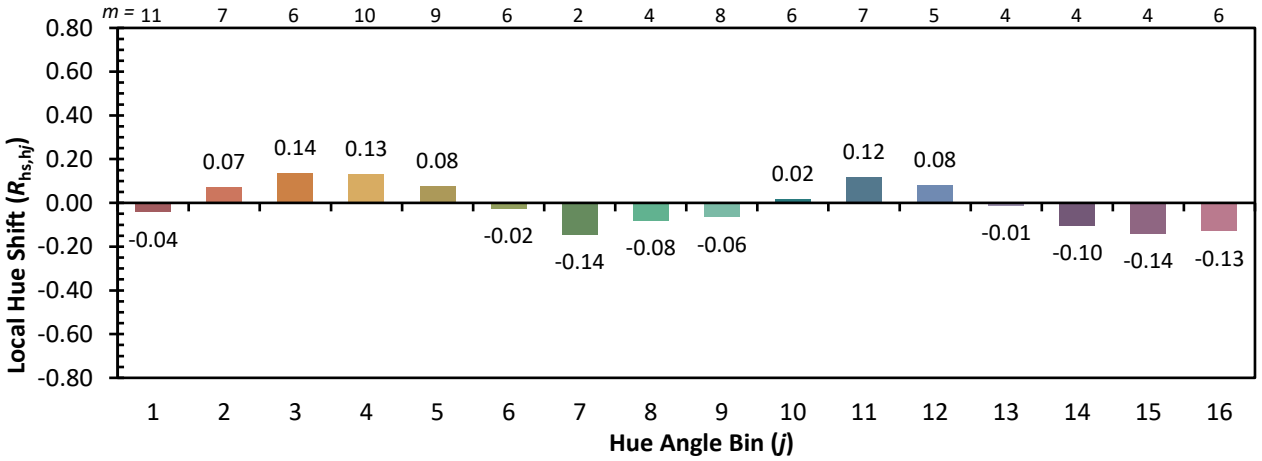
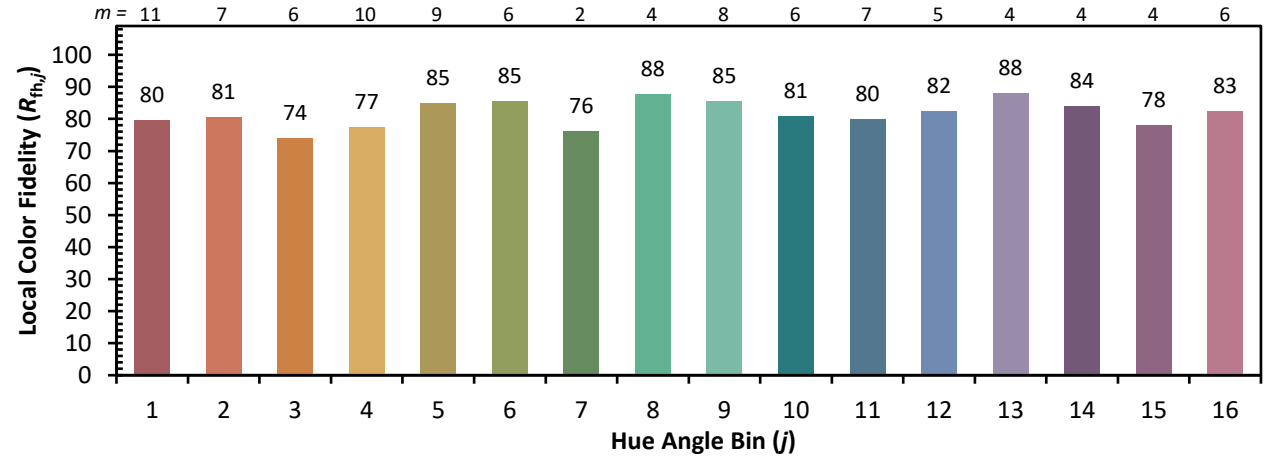
Color Rendition by Hue-Angle Bin







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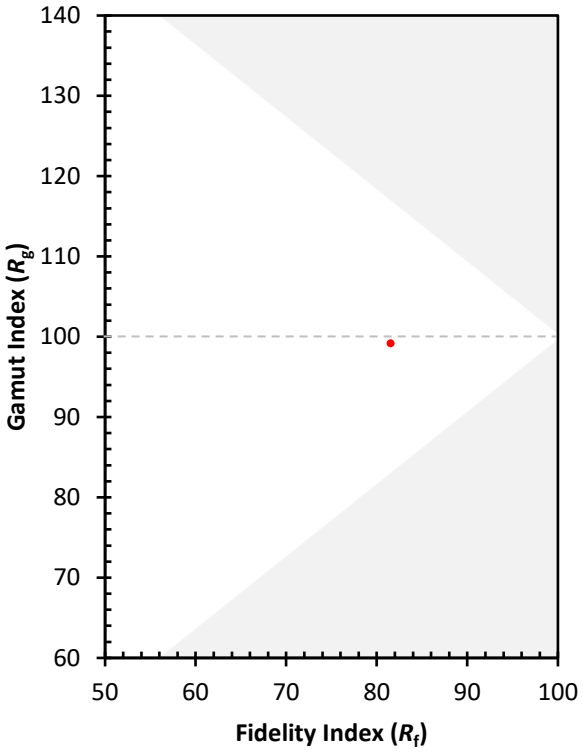
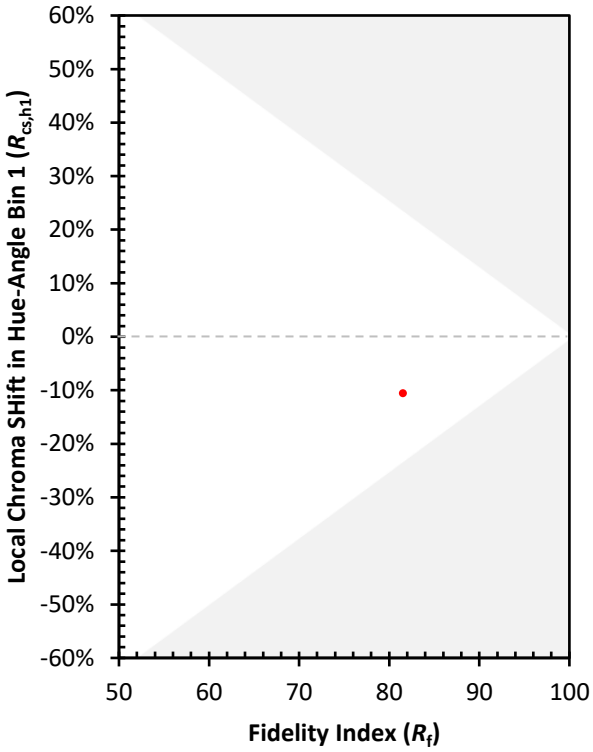
Measure Comparisons





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