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: P387171

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

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:	P387171
	TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-22)
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
Description:	GALLEON PEDESTRIAN LUMINAIRE
	(2) 80 CRI, 3000K, 1200mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III SPILL LIGHT ELIMINATOR OPTICS
Light Source:	-
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	12868 lumens
Efficiency:	N/A
Efficacy:	100.5 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: P387171
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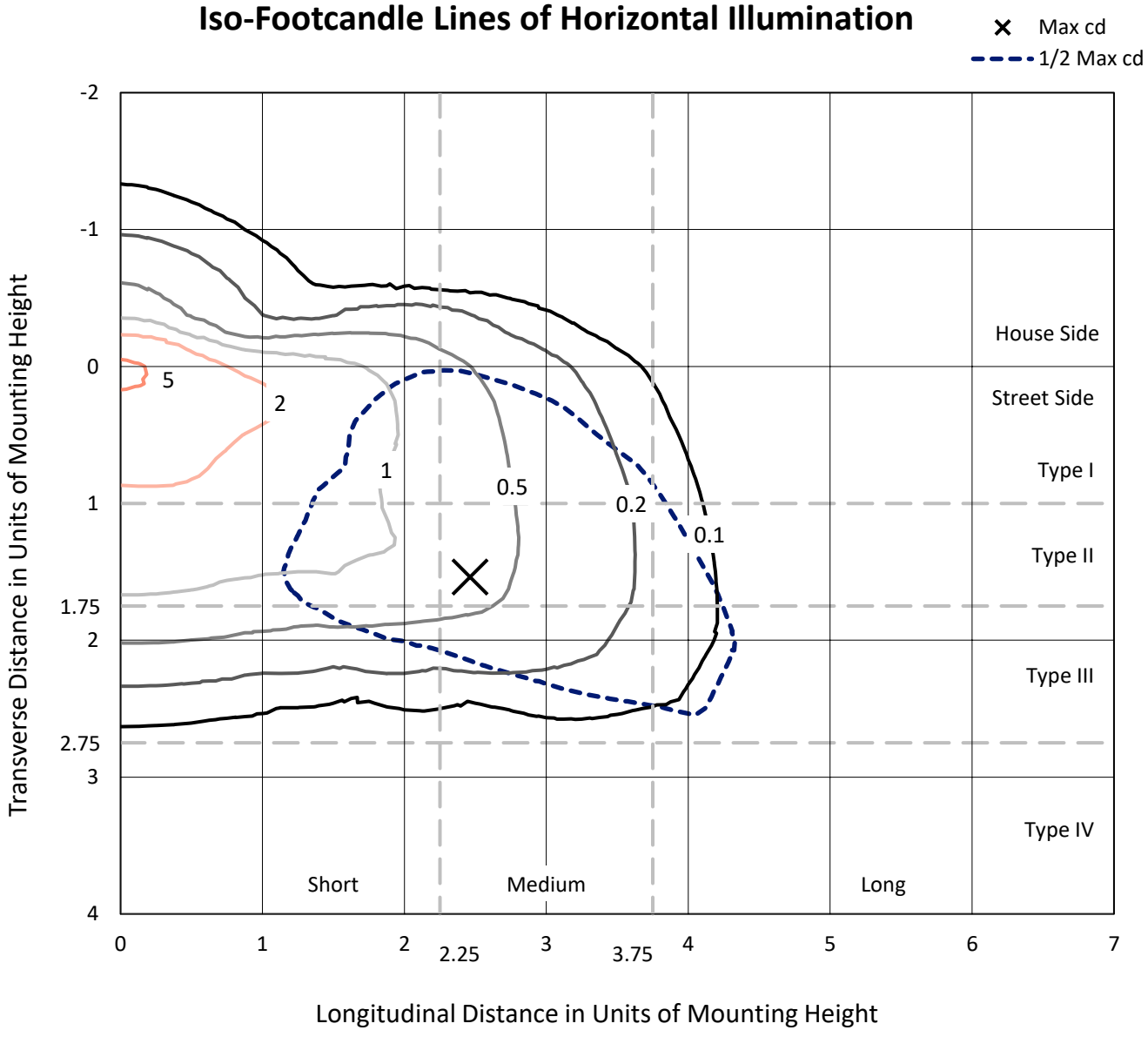
Iso-Footcandle Lines of Horizontal Illumination



Based on 25 foot mounting height. Maximum calculated value = 5.7 fc
Type III - Medium - N/A

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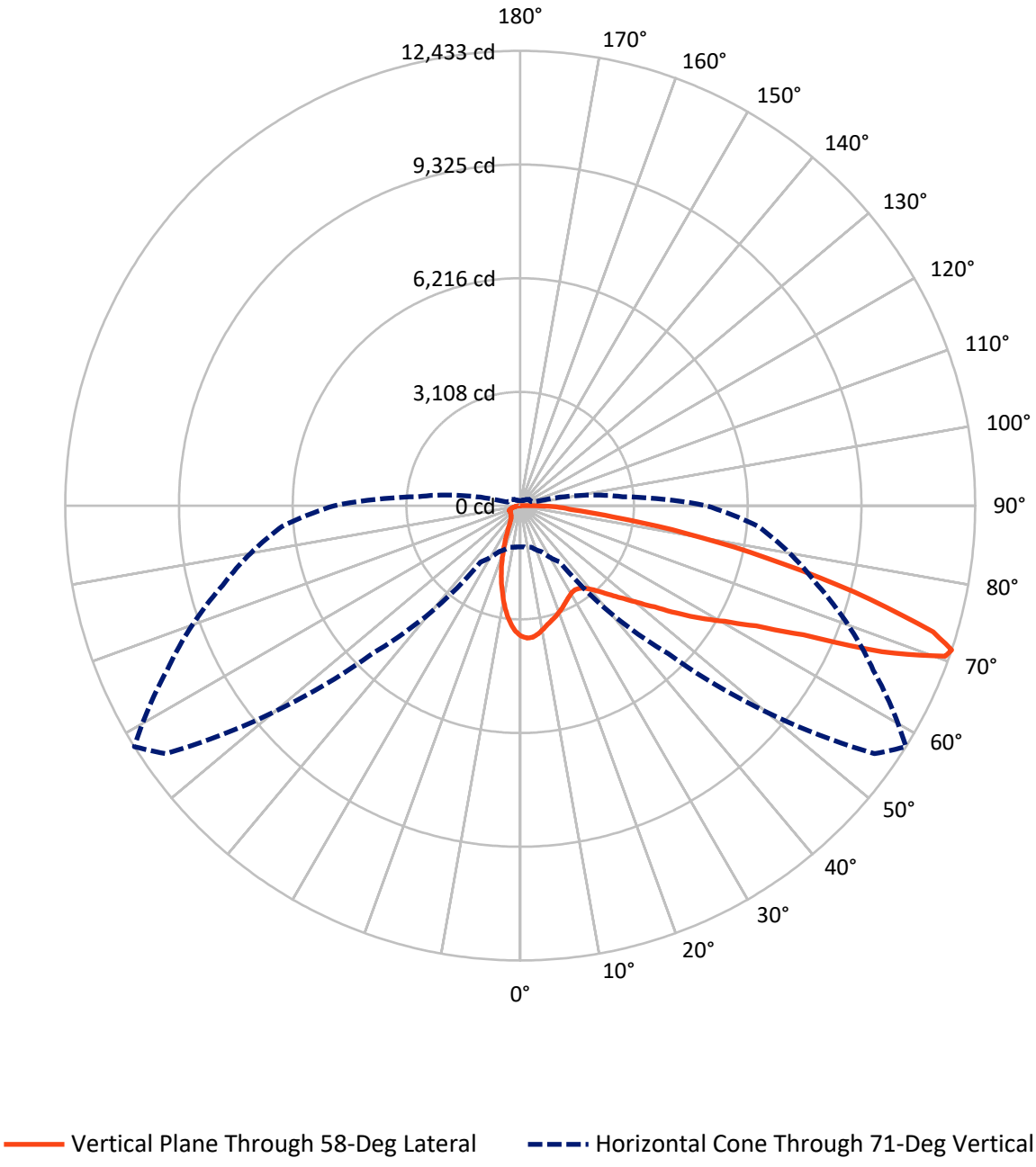
Luminous Intensity Polar Plot



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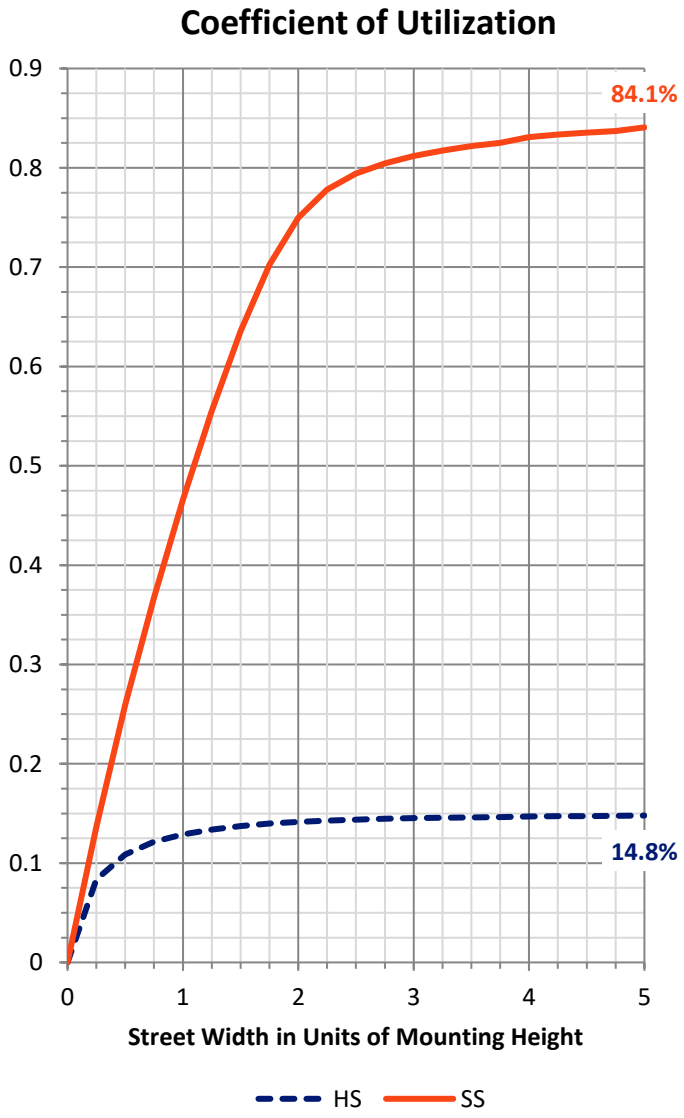
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1923.9	0.0	1923.9
	% Fixture	15.0	0.0	15.0
Street Side	Lumens	10944.1	0.0	10944.1
	% Fixture	85.0	0.0	85.0
Total	Lumens	12868.0	0.0	12868.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	307.6	2.4
10°-20°	683.9	5.3
20°-30°	869.2	6.8
30°-40°	1107.2	8.6
40°-50°	1570.1	12.2
50°-60°	2429.7	18.9
60°-70°	3307.8	25.7
70°-80°	2206.7	17.1
80°-90°	385.8	3.0
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°	12868.0	100.0
0°-180°	12868.0	100.0



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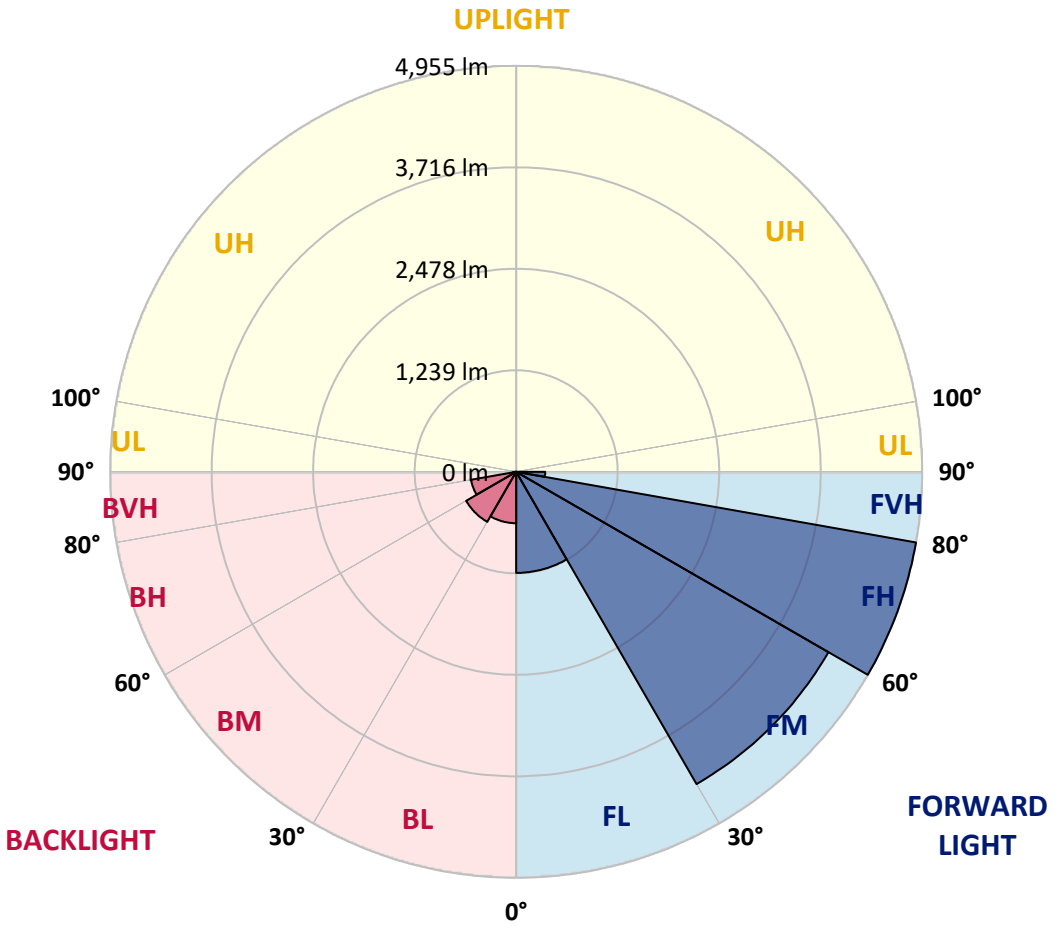
CATALOG NUMBER: GPC-SA2D-830-U-SL3

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	1233.6	9.6			
FM	(30°-60°)	4401.5	34.2			
FH	(60°-80°)	4955.3	38.5			G2/5000
FVH	(80°-90°)	353.7	2.7			G3/500
BL	(0°-30°)	627.1	4.9	B2/1000		
BM	(30°-60°)	705.5	5.5	B1/1000		
BH	(60°-80°)	559.2	4.3	B2/1000		G2/1000
BVH	(80°-90°)	32.1	0.2			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°	58°	65°	75°	85°
0°	3565.3	3565.3	3565.3	3565.3	3565.3	3565.3	3565.3	3565.3	3565.3	3565.3	3565.3
2.5°	3659.9	3654.9	3656.7	3653.2	3644.6	3636.1	3623.6	3625.8	3608.3	3582.3	3550.1
5°	3590.8	3589.1	3602.5	3610.1	3616.4	3611.5	3607.9	3612.4	3586.8	3551.0	3494.9
7.5°	3446.1	3426.3	3443.4	3468.9	3493.1	3511.5	3535.7	3538.9	3522.7	3485.1	3411.6
10°	3240.3	3221.5	3246.6	3286.5	3334.9	3378.8	3427.7	3436.7	3439.8	3405.7	3316.5
12.5°	3027.0	3012.6	3037.7	3093.7	3174.0	3241.7	3319.7	3333.1	3360.9	3338.0	3228.7
15°	2836.0	2830.6	2861.1	2916.2	3008.6	3112.1	3224.6	3249.3	3296.4	3288.7	3160.1
17.5°	2671.1	2669.7	2693.0	2750.8	2853.0	2983.9	3130.1	3171.7	3241.7	3250.6	3103.6
20°	2548.2	2545.6	2561.7	2604.3	2709.6	2858.0	3027.9	3085.2	3186.1	3217.5	3045.3
22.5°	2482.3	2481.9	2482.3	2502.5	2588.6	2726.6	2928.3	2998.3	3131.8	3191.0	2980.8
25°	2471.1	2469.8	2459.9	2457.7	2506.6	2616.8	2829.7	2906.8	3080.3	3172.6	2919.4
27.5°	2500.3	2502.1	2489.1	2468.0	2477.9	2544.7	2744.1	2826.6	3039.1	3169.1	2876.8
30°	2560.8	2559.9	2548.7	2526.7	2507.5	2517.8	2683.2	2765.6	3011.3	3184.7	2847.7
32.5°	2627.6	2632.5	2630.3	2618.2	2589.5	2548.2	2664.8	2745.5	3003.2	3222.4	2835.1
35°	2707.8	2713.2	2729.3	2738.7	2705.1	2638.8	2704.2	2774.2	3026.5	3293.2	2855.3
37.5°	2784.0	2797.9	2843.2	2883.1	2854.4	2780.4	2809.1	2858.9	3098.7	3404.8	2909.5
40°	2871.9	2884.0	2957.9	3042.6	3038.2	2961.5	2978.1	3011.3	3226.0	3564.8	3007.7
42.5°	2958.4	2982.6	3089.7	3209.8	3244.4	3176.7	3203.1	3220.6	3405.3	3776.9	3178.9
45°	3073.6	3099.6	3248.4	3393.2	3473.9	3435.8	3477.9	3484.6	3630.7	4065.5	3427.7
47.5°	3247.9	3277.5	3451.0	3602.9	3726.2	3730.2	3799.7	3797.0	3912.2	4395.9	3741.0
50°	3519.6	3562.2	3704.3	3846.3	3996.1	4079.4	4172.2	4159.2	4249.8	4747.8	4101.8
52.5°	3875.5	3895.2	4000.5	4105.4	4291.4	4478.4	4611.5	4599.8	4632.6	5109.5	4511.5
55°	4244.4	4259.2	4302.7	4360.0	4610.1	4914.9	5196.4	5178.1	5095.1	5485.1	4916.3
57.5°	4576.1	4606.1	4636.1	4659.9	4931.1	5371.3	5794.8	5796.2	5597.2	5890.3	5334.5
60°	4627.6	4654.1	4852.6	5040.0	5480.2	5980.0	6435.4	6421.9	6116.7	6330.0	5800.7
62.5°	4090.6	4150.2	4481.9	4980.4	6009.1	7093.4	7252.5	7235.9	6737.9	6872.0	6343.5
65°	2931.5	2999.2	3399.4	4148.5	5752.7	8320.2	8727.2	8504.0	7585.1	7538.5	6979.1
67.5°	1691.2	1707.3	1880.8	2482.3	4380.2	8384.3	10976.9	10664.5	8900.7	8294.7	7290.2
70°	1250.6	1250.1	1291.4	1527.6	2370.3	6842.8	12046.9	12327.0	10285.7	8543.4	6850.4
71°	1130.9	1132.3	1178.4	1390.4	1877.2	5727.6	11819.6	12432.8	10650.6	8420.6	6532.2
72.5°	967.3	971.8	1035.9	1247.0	1579.1	3949.9	10840.7	11798.1	10823.6	8117.6	6034.2
75°	733.8	744.1	832.8	1051.1	1443.3	2003.2	7956.2	9421.1	9615.2	7162.9	4483.7
77.5°	523.5	535.2	635.6	883.9	1372.1	1509.7	5328.2	6872.0	7075.9	4590.4	2022.5
80°	330.8	344.7	420.4	703.3	1289.1	1433.5	3348.3	4619.1	3858.4	1468.9	514.6
82.5°	194.1	204.8	260.9	459.4	1052.9	1380.6	1970.0	2560.3	1501.6	443.8	234.0
85°	112.5	117.4	162.7	292.7	764.7	1303.0	1447.4	1431.2	651.7	216.9	110.7
87.5°	52.4	58.3	96.4	152.8	424.5	944.4	1143.9	988.4	405.2	101.8	52.0
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: P387171
CATALOG NUMBER: GPC-SA2D-830-U-SL3

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	3565.3	3565.3	3565.3	3565.3	3565.3	3565.3	3565.3	3565.3	3565.3	3565.3	3565.3
2.5°	3534.4	3526.7	3494.9	3466.7	3437.1	3398.6	3356.0	3350.6	3324.6	3329.5	3320.6
5°	3464.4	3445.2	3368.5	3299.0	3217.0	3143.5	3063.7	3027.0	2974.1	2970.5	2957.0
7.5°	3364.5	3328.6	3209.8	3078.1	2946.3	2820.8	2696.6	2615.0	2531.7	2496.2	2493.1
10°	3252.0	3191.0	3016.2	2821.2	2631.2	2447.8	2270.3	2139.0	2020.7	1964.6	1962.4
12.5°	3145.3	3055.2	2815.4	2550.0	2290.1	2052.5	1809.1	1636.5	1488.2	1438.4	1417.3
15°	3054.8	2927.9	2620.0	2280.6	1965.1	1635.2	1358.2	1176.6	1039.5	992.0	983.0
17.5°	2966.9	2803.7	2419.6	2008.6	1627.1	1264.5	987.0	852.1	779.0	759.8	759.3
20°	2879.5	2676.0	2210.3	1730.2	1300.3	945.8	758.9	698.4	673.7	671.5	667.9
22.5°	2780.4	2540.6	1990.2	1451.0	1014.8	743.6	645.0	620.8	617.7	625.7	625.7
25°	2687.6	2406.1	1767.0	1177.5	789.3	620.4	576.0	571.1	579.6	593.9	595.3
27.5°	2601.1	2276.6	1549.1	934.6	632.5	546.4	528.0	533.9	549.1	565.7	566.1
30°	2529.9	2154.2	1337.5	736.5	534.3	491.3	488.1	499.8	516.4	529.4	532.5
32.5°	2474.7	2049.8	1133.1	592.1	470.2	450.0	452.7	462.6	472.9	480.1	485.0
35°	2449.2	1960.2	944.4	499.3	429.4	418.2	421.8	427.2	431.7	437.0	441.1
37.5°	2453.7	1890.7	775.9	441.5	402.1	396.2	396.2	396.2	396.2	398.9	399.4
40°	2495.3	1850.8	638.7	404.8	383.7	377.4	372.5	368.0	364.4	366.2	365.3
42.5°	2602.0	1847.2	538.3	381.5	368.9	358.6	348.7	342.5	338.0	339.8	340.7
45°	2783.1	1892.0	470.7	364.9	355.0	339.3	326.8	320.0	316.9	322.7	323.6
47.5°	3017.5	1989.7	429.4	352.8	342.0	321.4	307.9	301.7	302.6	311.1	313.3
50°	3319.7	2148.4	409.7	345.1	333.0	306.1	292.3	286.9	289.6	301.7	304.4
52.5°	3651.4	2377.0	411.9	342.9	327.2	294.9	280.1	273.9	278.4	289.6	291.8
55°	4034.2	2651.8	449.1	346.0	318.7	287.8	270.3	259.5	263.1	273.4	275.2
57.5°	4459.5	2966.4	524.0	345.1	307.9	281.0	260.0	243.8	246.5	252.8	254.6
60°	4902.4	3346.6	640.1	347.8	303.0	273.0	246.1	225.9	225.0	230.4	231.3
62.5°	5434.0	3786.3	772.8	349.6	306.1	262.7	227.7	208.0	205.3	206.6	207.5
65°	5981.8	4104.5	723.0	342.5	316.0	254.2	211.6	190.5	185.6	184.7	185.1
67.5°	5998.8	3763.4	507.0	328.1	320.0	249.7	199.5	175.7	167.6	164.5	164.1
70°	5379.8	3057.4	394.9	312.9	303.9	242.5	188.3	163.6	151.5	146.6	146.1
71°	*5077.7*	*2814.5*	*374.3*	*305.3*	*291.8*	*235.3*	*183.3*	*158.2*	*145.7*	*140.3*	*139.4*
72.5°	4603.9	2523.1	349.2	293.1	268.5	216.9	173.9	150.6	137.6	131.3	130.0
75°	3304.0	1650.0	299.9	261.3	222.3	173.0	152.4	135.4	124.2	116.5	115.6
77.5°	1273.0	656.7	226.8	217.4	170.3	135.4	125.5	117.0	108.9	101.3	100.9
80°	393.6	293.6	165.4	163.6	123.3	100.9	97.7	95.5	92.3	84.3	82.5
82.5°	210.2	168.5	113.9	105.8	80.7	67.2	70.8	71.7	72.2	63.6	62.8
85°	100.4	89.2	64.1	60.1	47.1	37.7	43.5	47.1	47.5	39.0	36.3
87.5°	48.0	46.6	30.0	22.9	17.5	12.6	15.2	18.8	20.6	14.8	13.0
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

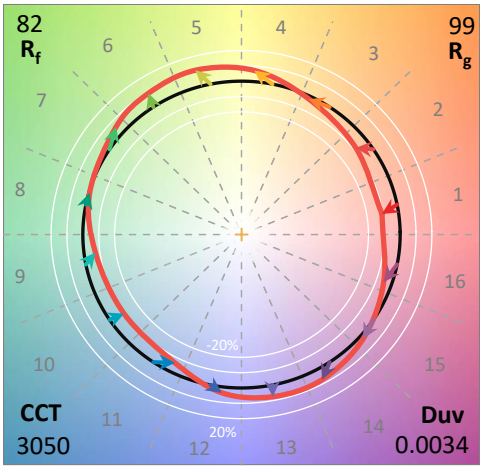
Test Information

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

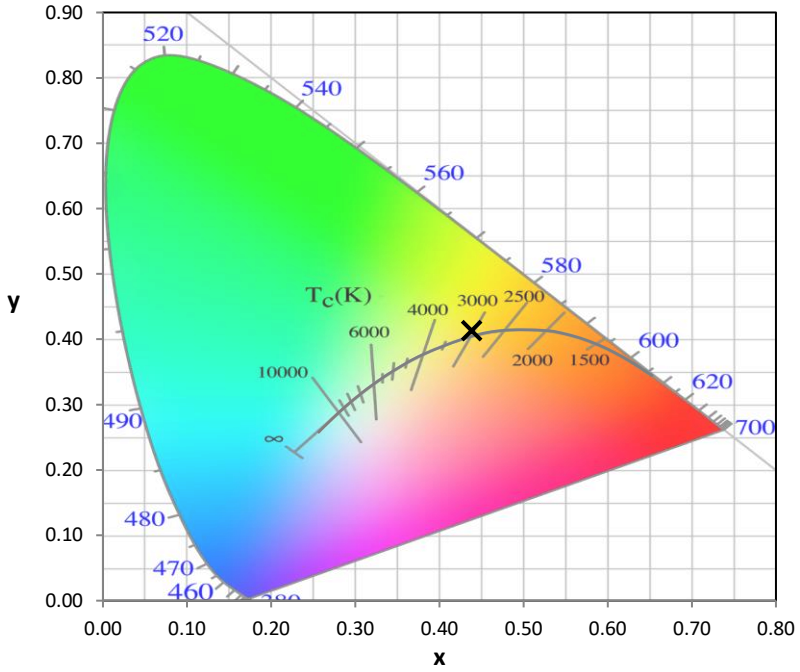
Stabilization Time:	20M
Operation Time:	1H 20M
Sphere Temperature (°C):	24.2

REPORT NUMBER: SP1-2408-195-9

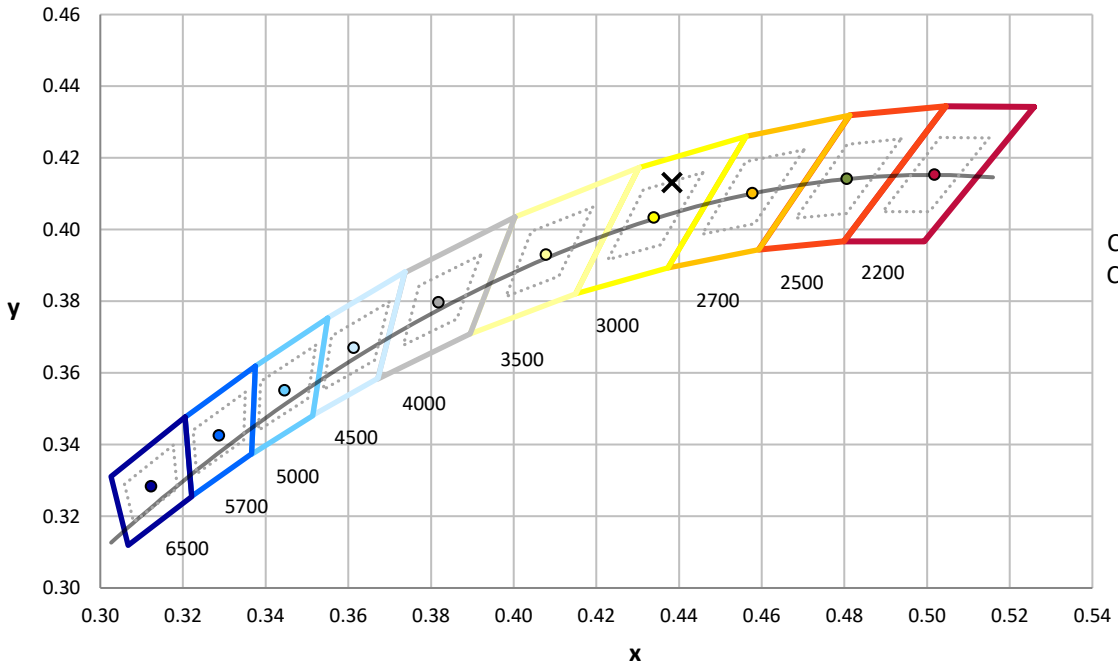
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

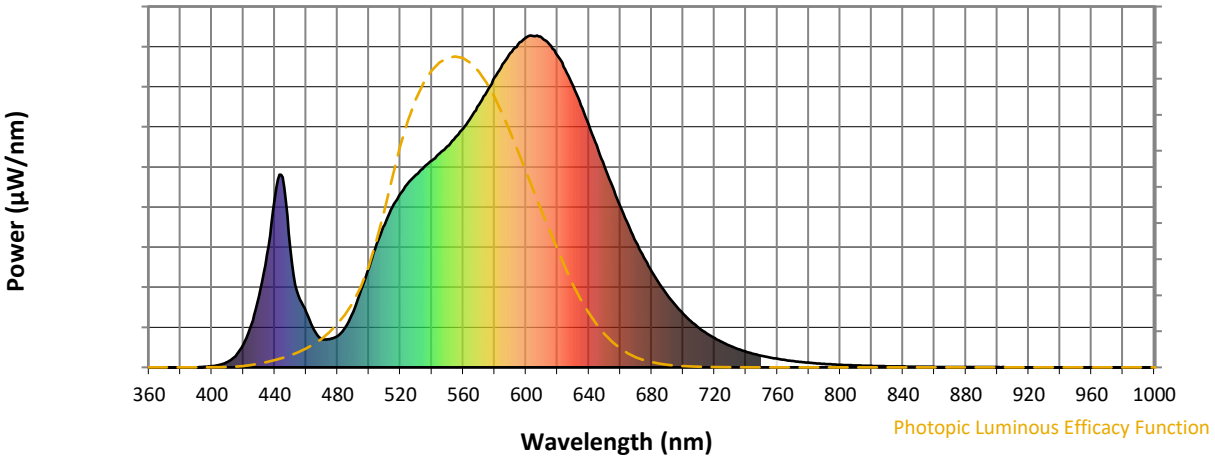


CCT = 3050K
CIE x = 0.4383
CIE y = 0.4131
Duv = 0.0034

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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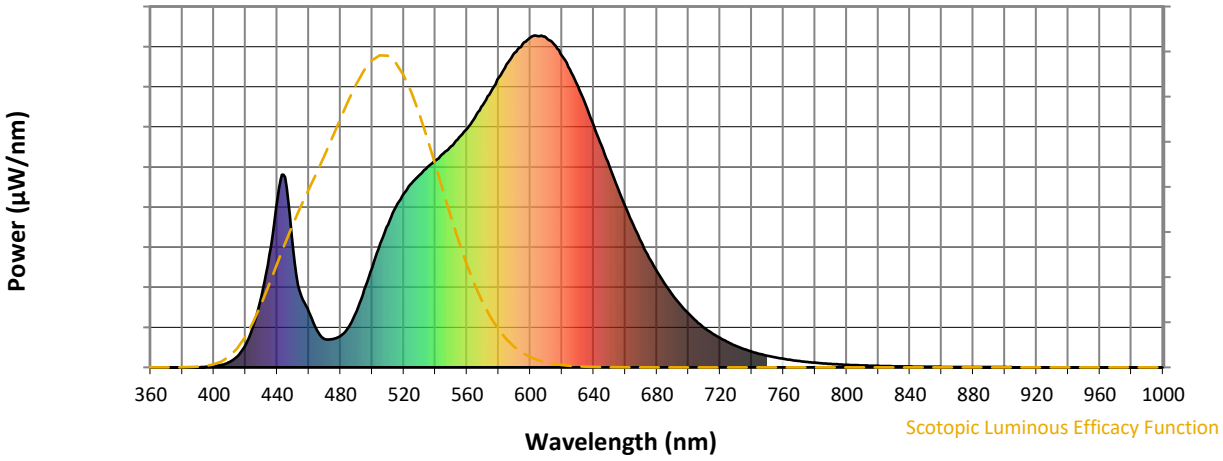
Scotopic Flux vs. Wavelength



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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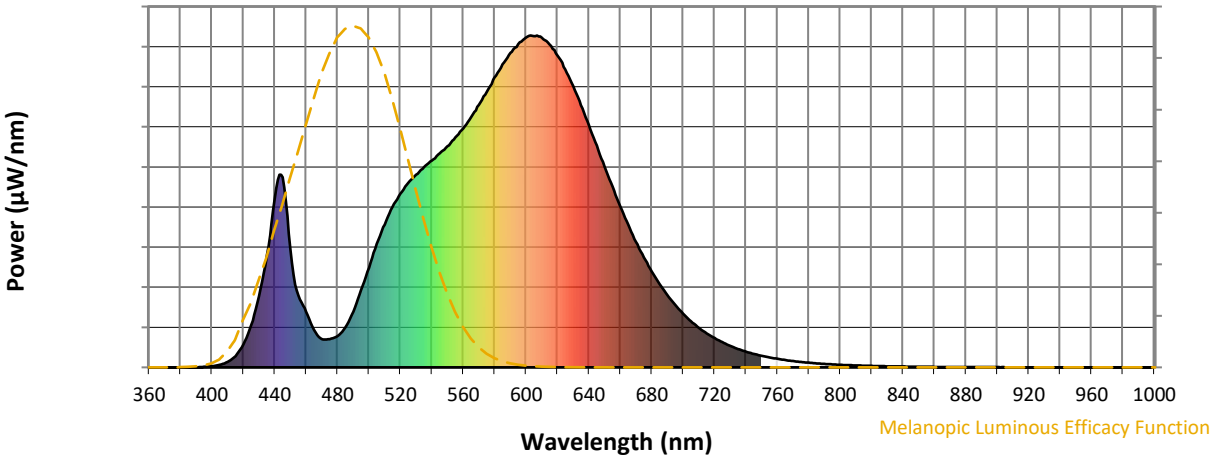
Melanopic Flux vs. Wavelength



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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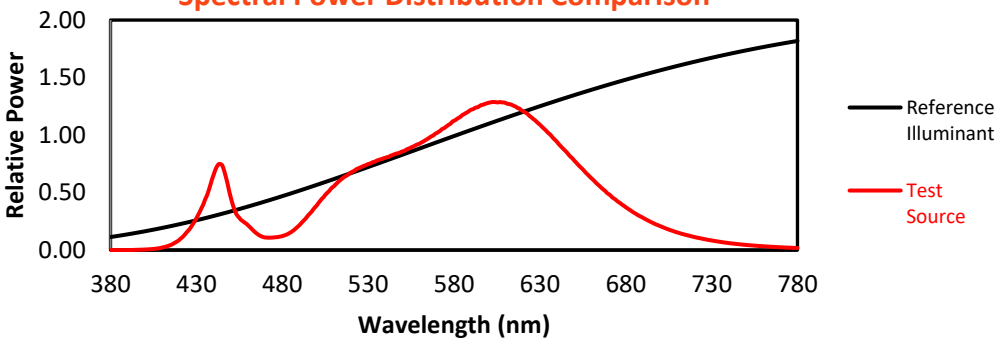
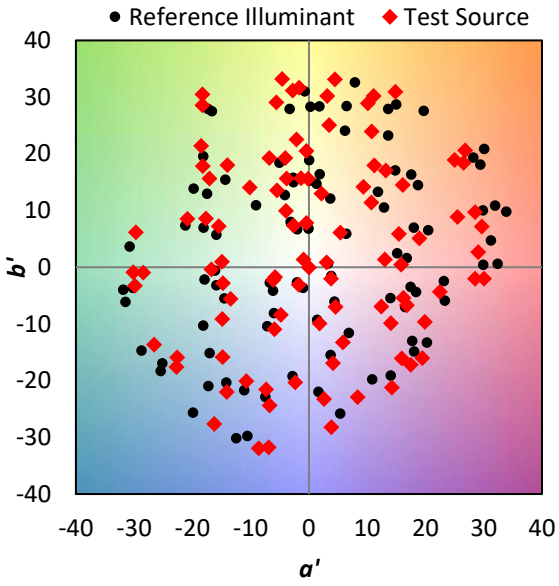
Summary

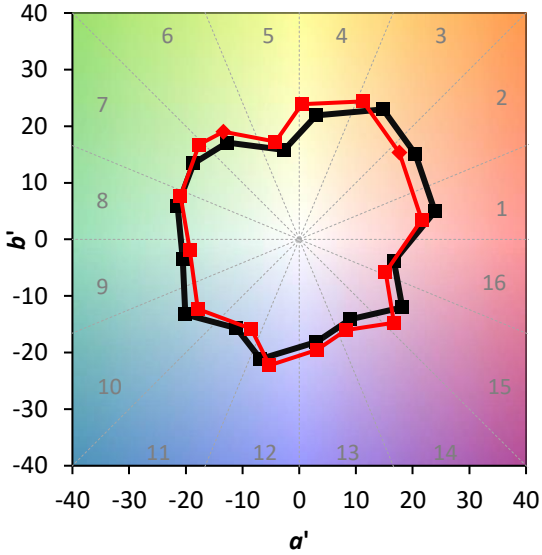
R_f = 81.5
R_g = 99.2
CIE R_a = 81.0
R_9 = 7.1

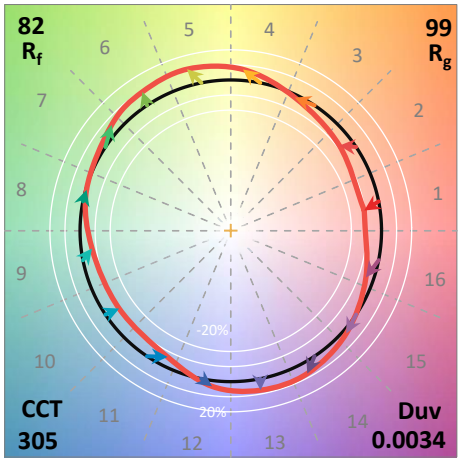
Spectral Power Distribution Comparison

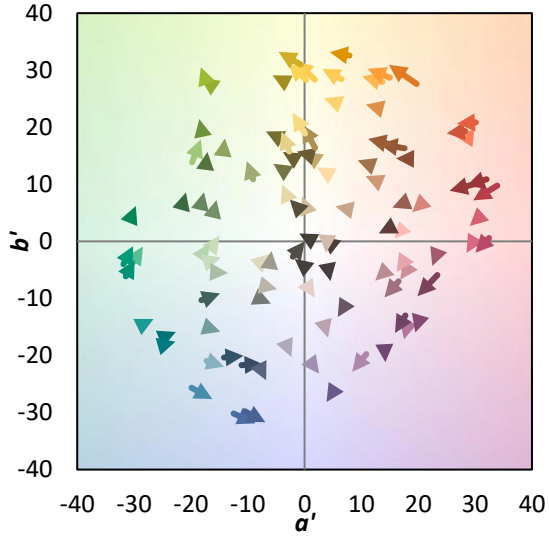


Color Vector Graphics









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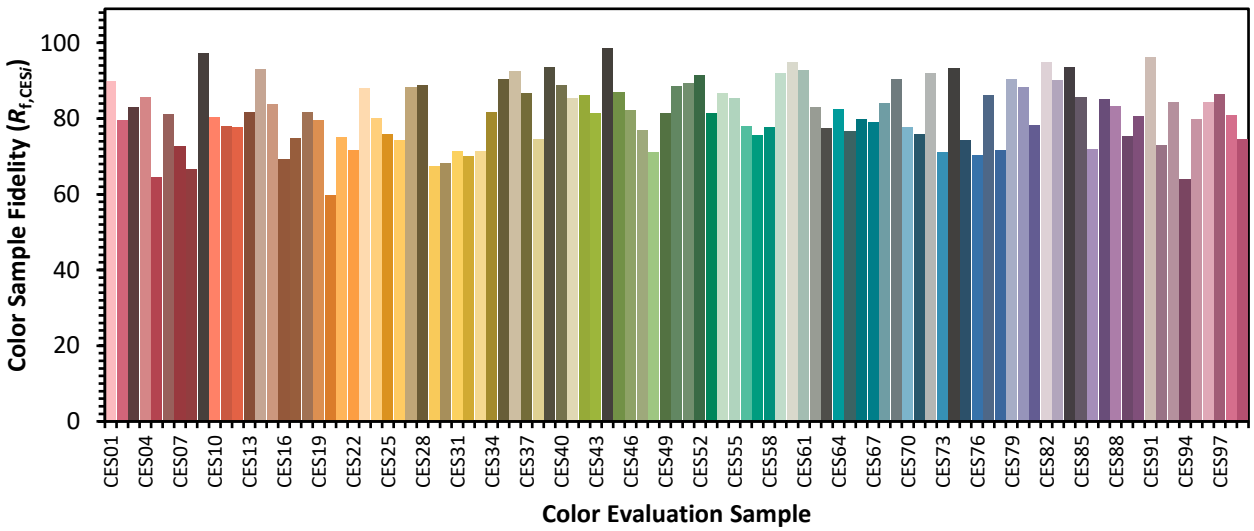
Individual Sample Fidelity Index ($R_{f,i}$)

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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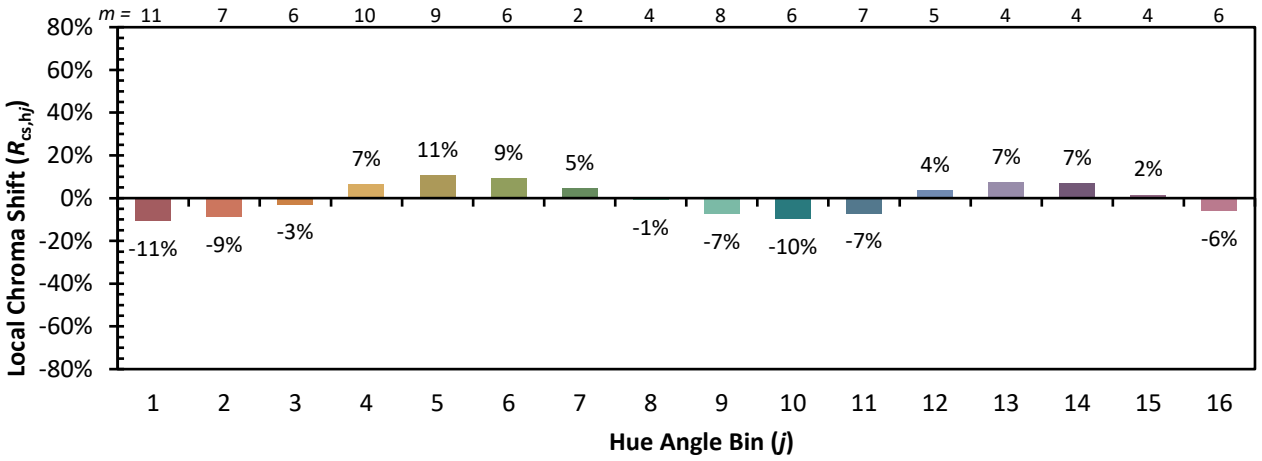
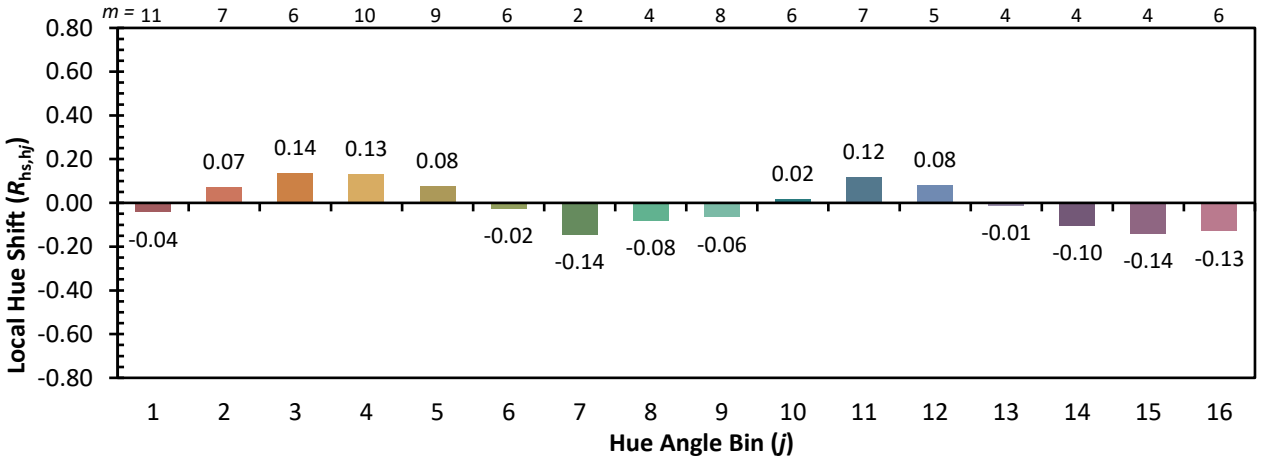
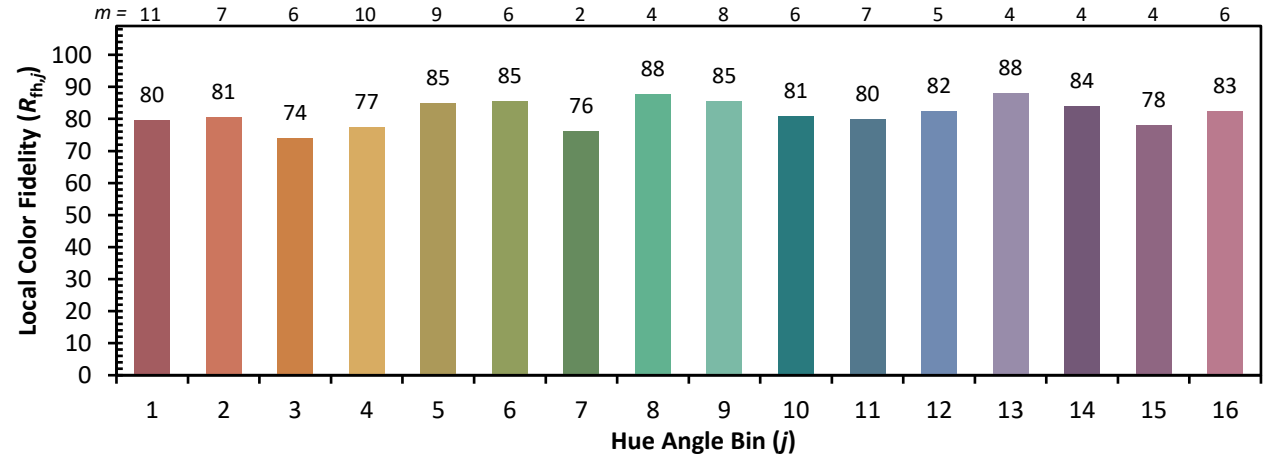
Color Rendition by Hue-Angle Bin







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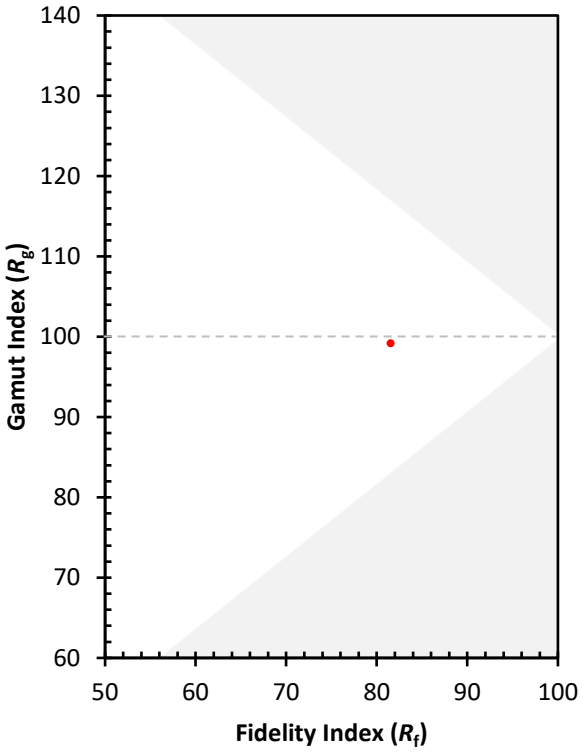
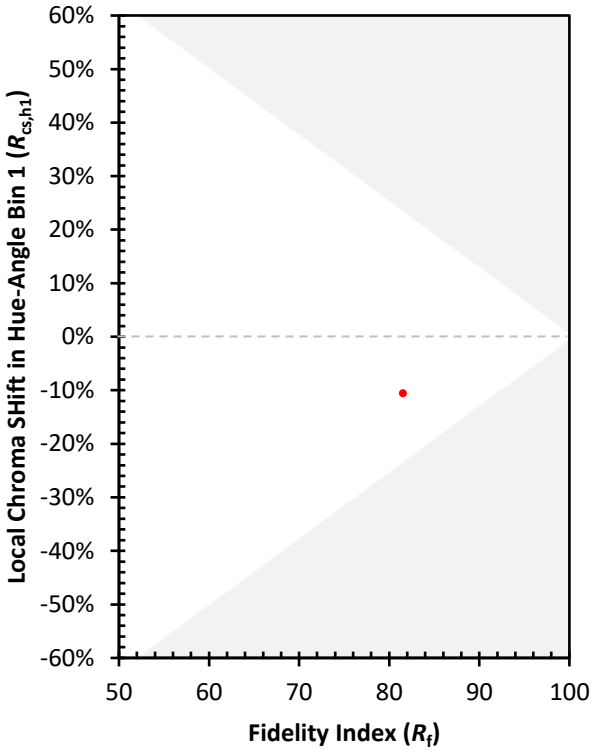
Measure Comparisons





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