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: P387168

Luminaire Tested: **GPC-SA2D-830-U-SL2-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:	P387168
	TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-21)
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-HSS
Description:	GALLEON PEDESTRIAN LUMINAIRE
	(2) 80 CRI, 3000K, 1200mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II SPILL LIGHT ELIMINATOR OPTICS WITH HOUSE SIDE SHIELD
Light Source:	-
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	10658 lumens
Efficiency:	N/A
Efficacy:	83.3 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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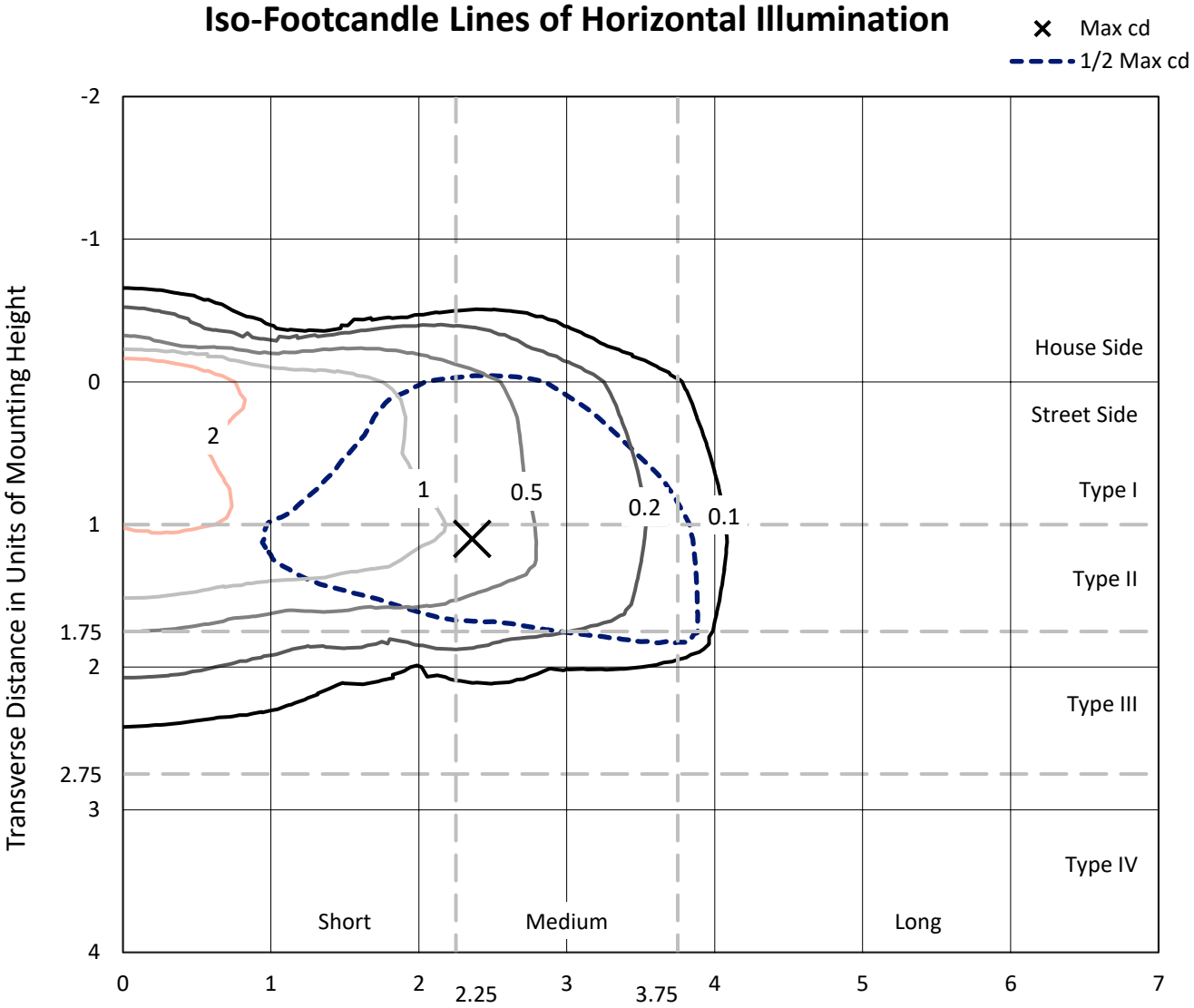
Scaled Data Report

REPORT NUMBER: P387168
CATALOG NUMBER: GPC-SA2D-830-U-SL2-HSS

Iso-Footcandle Lines of Horizontal Illumination



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

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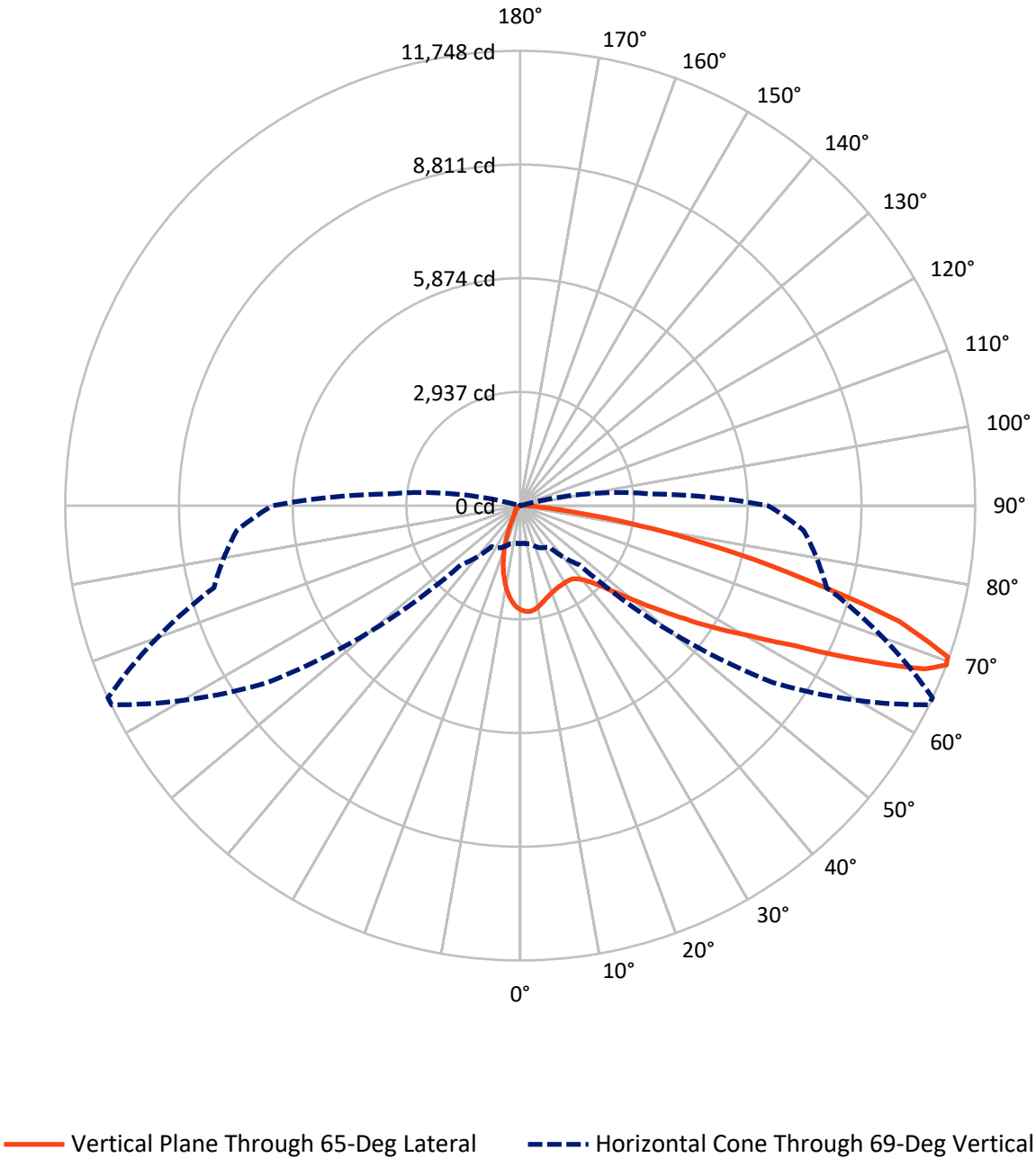
Luminous Intensity Polar Plot



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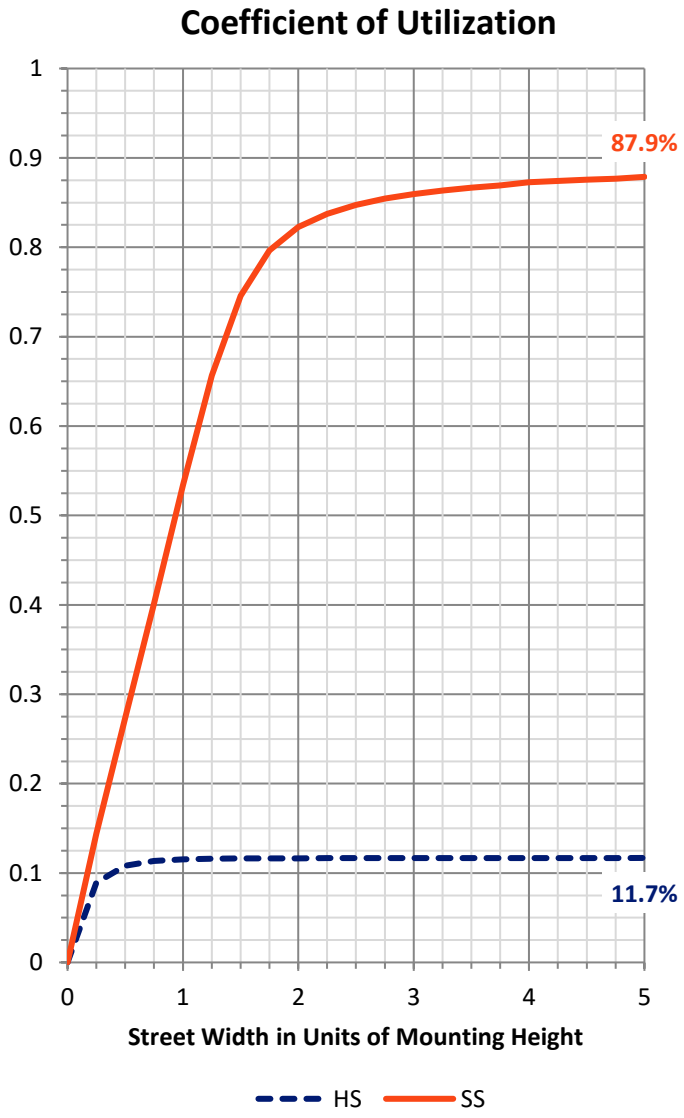
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1256.3	0.0	1256.3
	% Fixture	11.8	0.0	11.8
Street Side	Lumens	9401.7	0.0	9401.7
	% Fixture	88.2	0.0	88.2
Total	Lumens	10658.0	0.0	10658.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	225.2	2.1
10°-20°	493.0	4.6
20°-30°	682.8	6.4
30°-40°	952.1	8.9
40°-50°	1479.9	13.9
50°-60°	2375.7	22.3
60°-70°	2687.4	25.2
70°-80°	1578.3	14.8
80°-90°	183.6	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°	10658.0	100.0
0°-180°	10658.0	100.0



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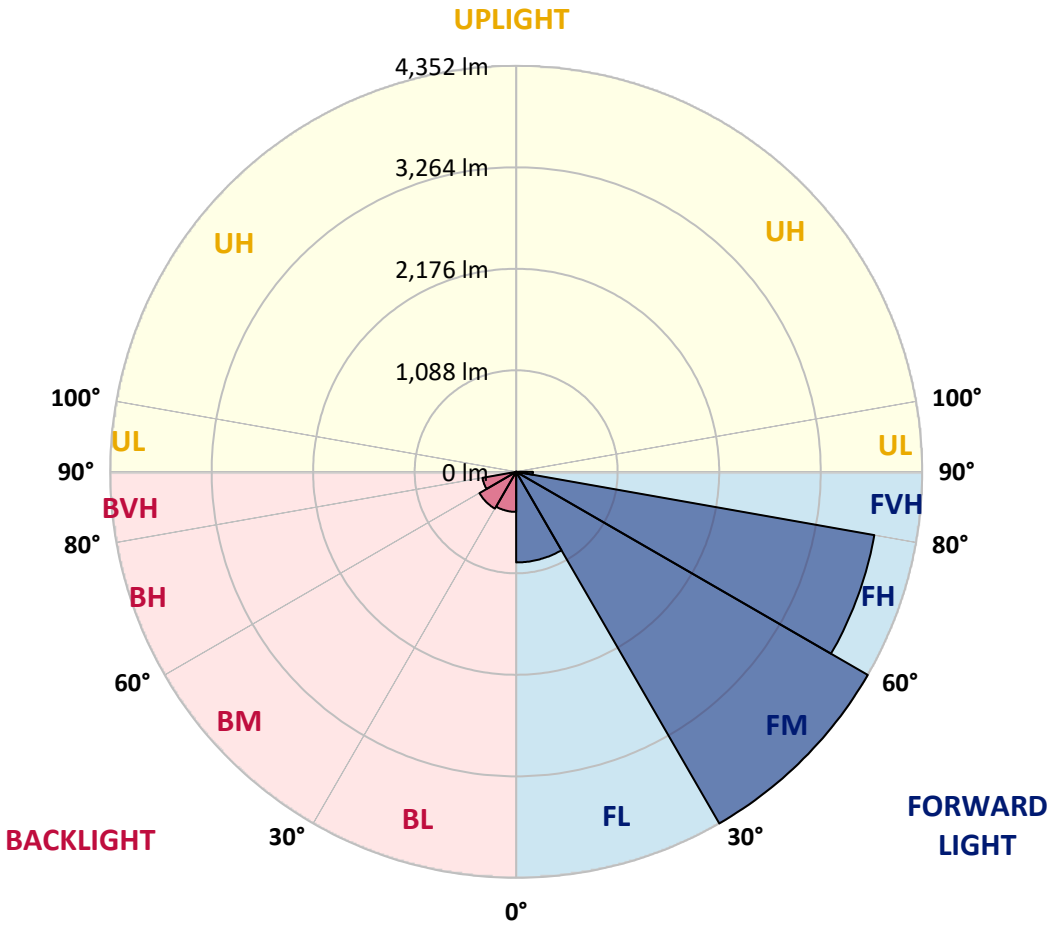
LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	971.2	9.1			
FM	(30°-60°)	4352.4	40.8			
FH	(60°-80°)	3898.6	36.6			G2/5000
FVH	(80°-90°)	179.5	1.7			G2/225
BL	(0°-30°)	429.9	4.0	B1/500		
BM	(30°-60°)	455.3	4.3	B1/1000		
BH	(60°-80°)	367.1	3.4	B1/500		G1/500
BVH	(80°-90°)	4.1	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: P387168
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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	64°	65°	75°	85°
0°	2693.3	2693.3	2693.3	2693.3	2693.3	2693.3	2693.3	2693.3	*2693.3*	2693.3	2693.3
2.5°	2717.2	2710.4	2715.8	2727.6	2733.4	2733.4	2737.9	2732.5	*2734.3*	2721.3	2702.3
5°	2547.2	2536.8	2551.7	2584.6	2625.2	2659.9	2711.3	2738.4	*2741.1*	2741.6	2719.5
7.5°	2364.1	2354.6	2376.7	2415.5	2467.8	2532.3	2622.0	2700.5	*2705.0*	2747.4	2731.2
10°	2215.2	2208.5	2234.2	2275.7	2337.0	2409.2	2519.2	2628.4	*2641.4*	2735.2	2729.4
12.5°	2097.1	2091.7	2116.0	2163.8	2226.5	2306.3	2421.4	2548.1	*2565.7*	2707.7	2720.4
15°	2011.0	2010.0	2030.3	2076.3	2145.8	2220.2	2337.9	2473.7	*2494.0*	2678.0	2719.0
17.5°	1965.9	1967.2	1982.1	2021.3	2080.9	2154.8	2267.6	2411.0	*2433.1*	2651.4	2725.8
20°	1961.3	1962.7	1970.8	1992.9	2041.2	2106.6	2210.3	2358.2	*2381.2*	2631.5	2736.6
22.5°	2001.0	2000.1	2002.4	2000.1	2027.2	2076.8	2172.4	2317.6	*2344.2*	2618.4	2745.2
25°	2077.2	2075.9	2075.0	2058.3	2040.3	2066.9	2156.6	2294.6	*2319.9*	2609.0	2750.1
27.5°	2183.2	2182.3	2181.0	2153.5	2099.3	2082.7	2158.4	2286.1	*2307.3*	2601.3	2749.2
30°	2322.6	2328.9	2327.1	2288.8	2204.4	2130.9	2177.4	2281.5	*2300.0*	2586.4	2739.7
32.5°	2486.3	2498.9	2508.8	2467.8	2362.3	2226.5	2221.1	2286.5	*2300.0*	2575.1	2722.6
35°	2656.3	2672.5	2709.1	2694.6	2555.7	2370.4	2296.4	2316.3	*2327.5*	2581.5	2714.5
37.5°	2823.6	2843.0	2922.4	2964.3	2809.2	2560.7	2413.7	2389.8	*2395.6*	2619.8	2723.5
40°	3018.0	3047.3	3167.7	3235.4	3111.8	2815.5	2589.1	2516.1	*2518.3*	2704.1	2765.5
42.5°	3273.3	3303.5	3433.8	3539.8	3452.8	3137.5	2827.2	2709.1	*2706.8*	2862.0	2864.2
45°	3584.4	3616.0	3750.9	3868.6	3829.3	3519.1	3132.1	2990.9	*2988.2*	3110.9	3051.4
47.5°	3937.1	3968.2	4088.6	4210.0	4252.4	3964.6	3520.4	3375.6	*3369.3*	3456.8	3340.5
50°	4239.7	4260.0	4371.0	4534.2	4725.4	4512.1	4003.4	3864.1	*3857.3*	3916.4	3764.8
52.5°	4349.8	4361.5	4474.2	4702.9	5180.0	5253.5	4638.0	4458.5	*4453.5*	4479.2	4329.9
55°	4127.0	4148.2	4286.6	4625.8	5426.3	6091.5	5438.9	5194.5	*5157.0*	5101.6	4920.7
57.5°	3520.0	3553.8	3702.6	4153.6	5311.3	6756.2	6616.0	6027.0	*5972.0*	5632.8	5401.0
60°	2637.4	2678.9	2802.4	3289.0	4697.5	6993.0	7902.2	6954.7	*6830.7*	6055.9	5842.5
62.5°	1809.8	1830.6	1914.4	2231.5	3459.5	6605.2	8978.3	8197.1	*7970.7*	6515.9	6320.1
65°	1382.3	1389.5	1423.8	1532.9	2060.1	5365.4	9406.2	9836.5	*9562.7*	7066.1	6815.8
67.5°	1113.9	1108.1	1155.4	1311.5	1379.6	3273.3	8907.0	11387.4	*11259.3*	7801.6	7314.6
69°	*982.3*	*974.1*	*1022.4*	*1203.7*	*1295.7*	*2163.8*	*7962.6*	*11739.6*	*11747.8*	*8189.9*	*7348.8*
70°	883.9	889.3	937.2	1139.6	1267.3	1698.4	7060.7	11649.9	*11713.9*	8335.1	7143.2
72.5°	590.3	604.8	700.8	946.2	1218.6	1285.3	4263.2	9997.0	*10243.3*	8008.2	6128.5
75°	332.8	343.7	457.8	713.5	1148.2	1224.0	2251.8	7365.1	*7603.2*	6696.7	4725.9
77.5°	163.3	169.1	258.9	460.5	960.2	1166.3	1277.2	5002.8	*5274.7*	4371.0	2673.0
80°	69.0	72.2	129.4	284.1	686.4	1113.0	948.4	3078.9	*3112.7*	1712.4	712.1
82.5°	26.6	27.5	54.6	177.2	436.1	867.7	793.3	1459.8	*1424.7*	322.5	162.4
85°	3.2	3.6	19.8	106.4	242.6	446.5	644.5	629.1	*582.2*	64.0	83.4
87.5°	0.0	0.0	1.4	32.5	72.2	209.3	335.1	261.1	*235.4*	20.7	43.3
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: P387168
CATALOG NUMBER: GPC-SA2D-830-U-SL2-HSS

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	2693.3	2693.3	2693.3	2693.3	2693.3	2693.3	2693.3	2693.3	2693.3	2693.3	2693.3
2.5°	2686.5	2682.0	2657.7	2622.5	2589.1	2547.6	2507.9	2484.0	2465.1	2452.5	2467.4
5°	2693.7	2673.9	2599.9	2505.2	2412.3	2307.7	2210.3	2127.8	2095.3	2059.2	2075.4
7.5°	2691.5	2654.1	2521.0	2352.3	2181.9	2005.5	1838.7	1710.1	1643.4	1578.0	1594.7
10°	2680.2	2617.1	2415.5	2165.6	1910.4	1656.9	1420.2	1240.2	1139.6	1048.5	1061.6
12.5°	2655.4	2567.5	2291.0	1951.9	1610.5	1276.3	998.9	768.5	644.9	590.3	597.1
15°	2640.5	2519.2	2159.3	1735.4	1290.3	888.9	610.6	454.1	397.8	379.7	382.0
17.5°	2633.3	2472.8	2023.1	1487.8	962.9	566.0	394.6	348.2	336.0	332.8	333.7
20°	2626.1	2425.9	1882.9	1242.9	663.4	380.6	324.3	310.7	306.2	302.2	303.1
22.5°	2613.9	2380.8	1732.2	994.9	447.4	308.9	292.2	279.2	269.7	264.7	265.6
25°	2599.0	2333.4	1578.5	741.0	326.5	275.6	259.8	241.3	230.0	221.0	221.4
27.5°	2575.1	2275.2	1419.7	539.4	274.2	246.7	225.5	205.2	186.3	175.9	175.9
30°	2541.8	2209.4	1243.4	386.0	245.8	218.3	192.6	167.3	147.0	137.6	136.6
32.5°	2504.8	2140.8	1065.2	292.7	223.2	191.7	162.4	135.7	117.7	110.0	109.6
35°	2473.2	2066.9	887.5	245.3	200.7	166.0	133.9	111.4	97.0	90.6	90.2
37.5°	2452.9	1992.9	714.4	219.2	180.4	142.1	112.3	92.0	81.6	76.7	76.2
40°	2449.8	1937.9	556.1	199.3	161.5	120.9	93.8	78.0	68.6	63.1	62.7
42.5°	2490.8	1906.3	426.6	182.6	142.1	102.4	79.8	66.7	56.8	51.4	51.0
45°	2598.6	1916.2	328.3	167.8	122.7	86.6	67.6	55.5	46.5	42.4	41.5
47.5°	2795.2	1984.8	261.1	152.9	104.2	73.5	57.7	46.0	38.3	34.3	33.8
50°	3145.2	2145.8	218.3	136.6	87.0	62.7	47.8	37.4	31.1	27.5	27.1
52.5°	3609.7	2432.6	194.8	120.9	72.2	53.2	39.2	29.8	24.4	21.6	21.2
55°	4122.0	2779.9	179.5	103.7	59.1	44.2	31.1	23.5	18.9	16.7	15.8
57.5°	4622.2	3080.7	165.1	87.0	49.2	36.1	24.8	18.5	14.9	12.6	12.2
60°	5081.7	3357.1	148.4	69.9	40.1	28.4	19.4	14.4	11.7	9.5	9.5
62.5°	5573.8	3570.9	125.4	54.6	32.9	21.6	15.8	13.1	9.5	8.1	7.7
65°	6095.1	3729.7	98.3	42.4	25.7	16.2	13.1	13.5	7.7	5.9	5.4
67.5°	6480.2	3698.1	72.6	33.4	19.8	12.6	12.6	14.4	6.8	4.5	4.1
69°	*6395.4*	*3441.5*	*60.9*	*28.9*	*17.1*	*10.8*	*11.7*	*14.4*	*6.3*	*4.1*	*3.6*
70°	6149.7	3157.4	53.7	25.7	15.3	9.9	11.3	14.0	5.9	4.1	3.6
72.5°	5121.4	2378.1	41.9	19.4	12.2	8.1	9.5	12.2	5.9	4.1	3.2
75°	3852.3	1522.1	32.0	14.0	9.0	6.3	7.2	9.0	5.9	3.6	3.2
77.5°	2096.2	548.9	23.0	9.5	6.3	5.0	5.0	6.8	5.4	2.7	1.8
80°	538.9	138.0	14.4	6.3	5.0	3.6	3.2	4.5	3.2	0.5	0.0
82.5°	133.0	31.1	7.7	4.5	3.6	1.4	1.4	2.3	1.4	0.0	0.0
85°	73.1	15.3	5.0	3.2	1.8	0.0	0.0	0.5	0.0	0.0	0.0
87.5°	37.4	4.5	1.4	0.9	0.5	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

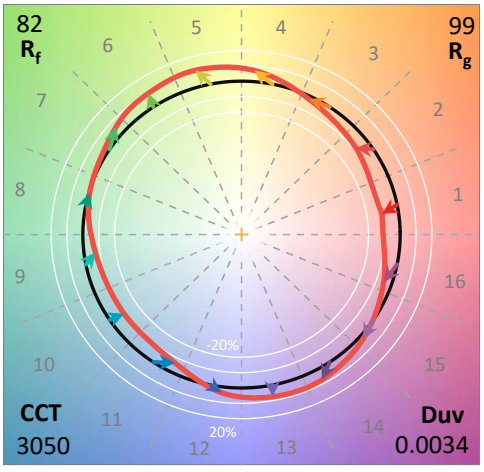
Test Information

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

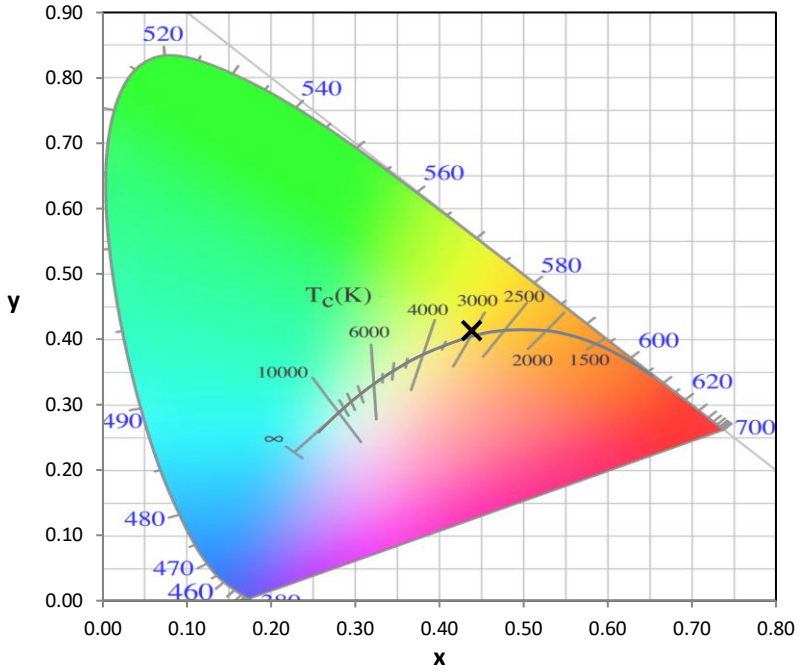
Stabilization Time:	20M
Operation Time:	1H 20M
Sphere Temperature (°C):	24.2

REPORT NUMBER: SP1-2408-195-9

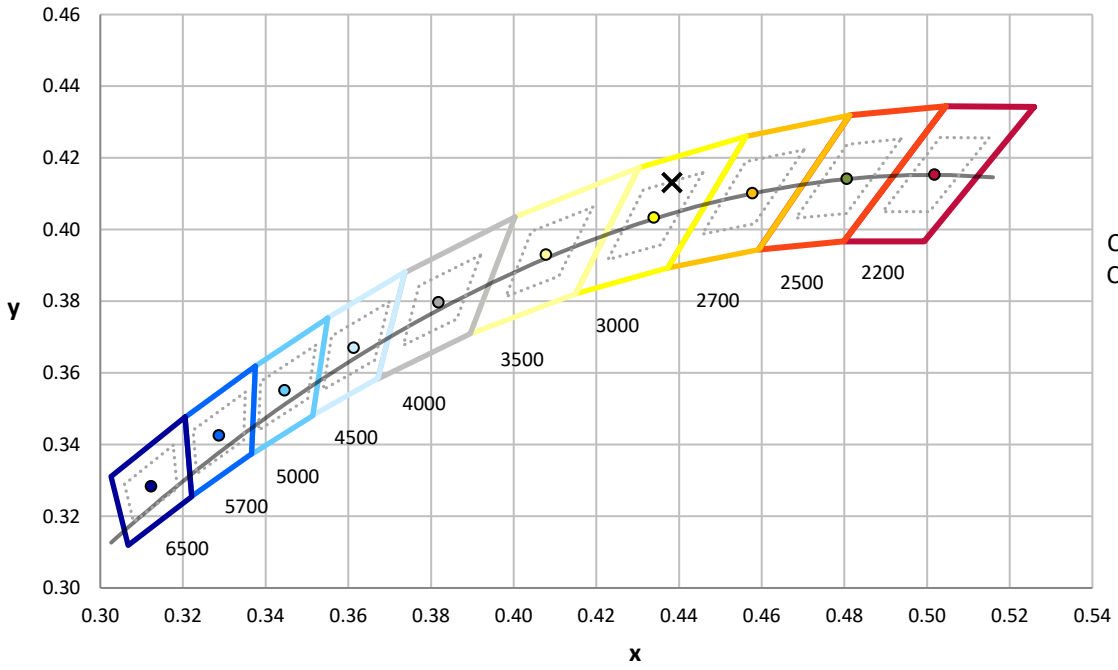
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

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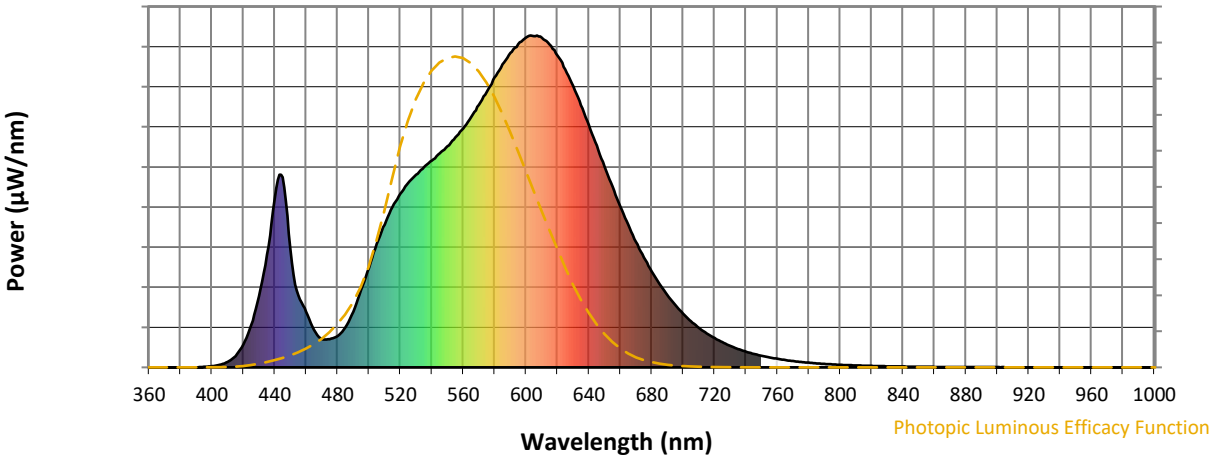
Photopic Flux vs. Wavelength



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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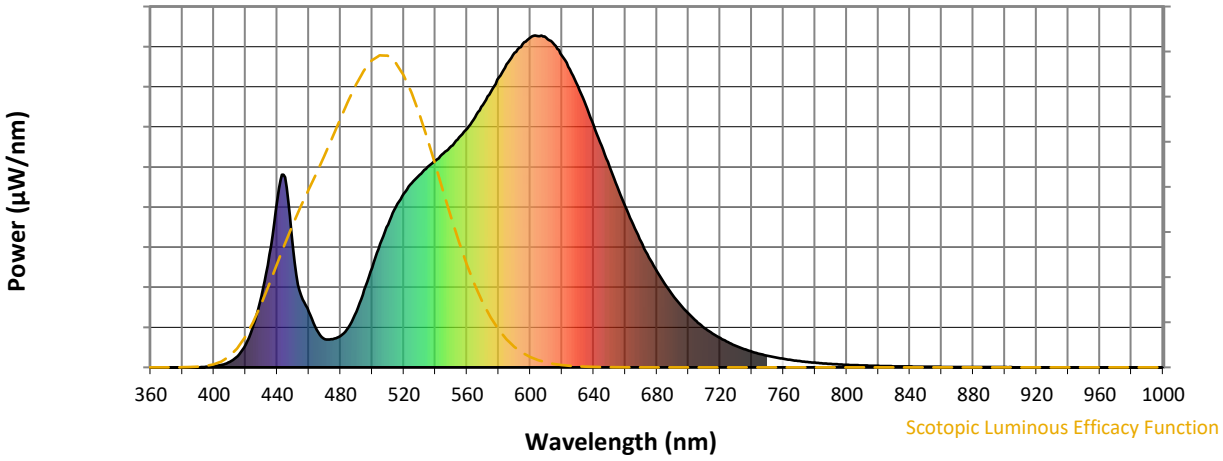
Scotopic Flux vs. Wavelength



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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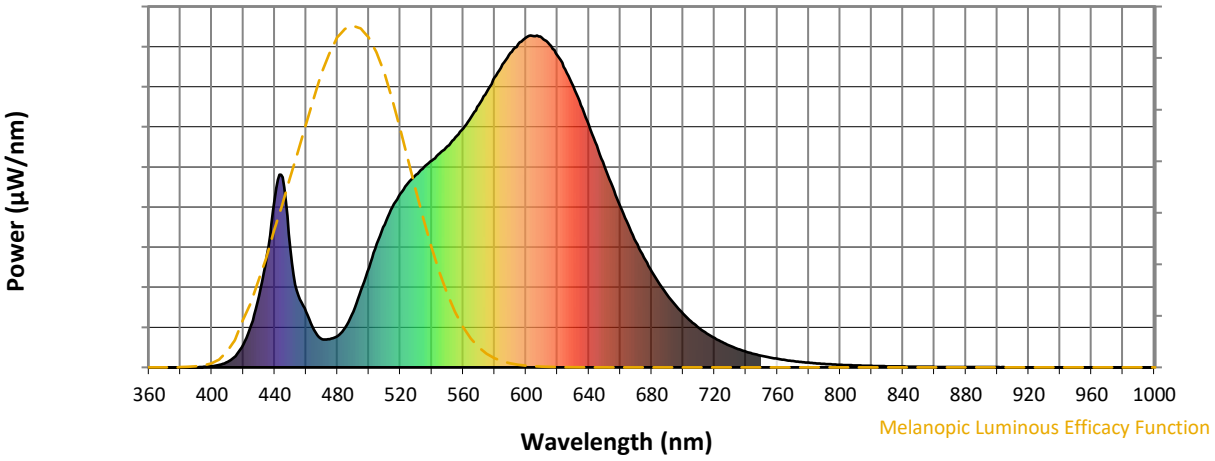
Melanopic Flux vs. Wavelength



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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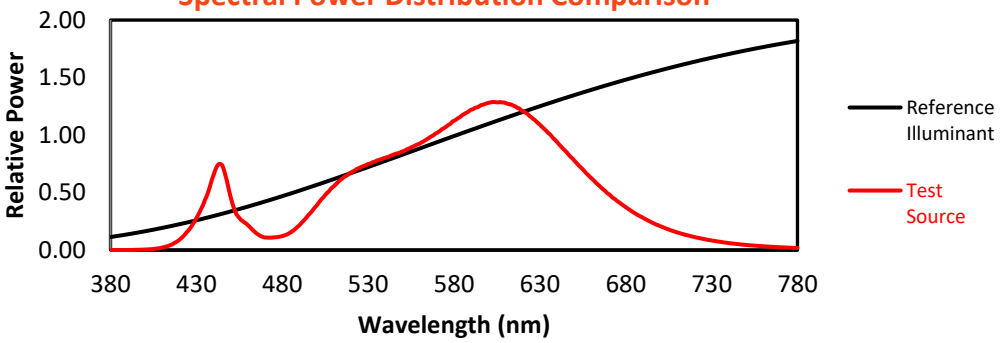
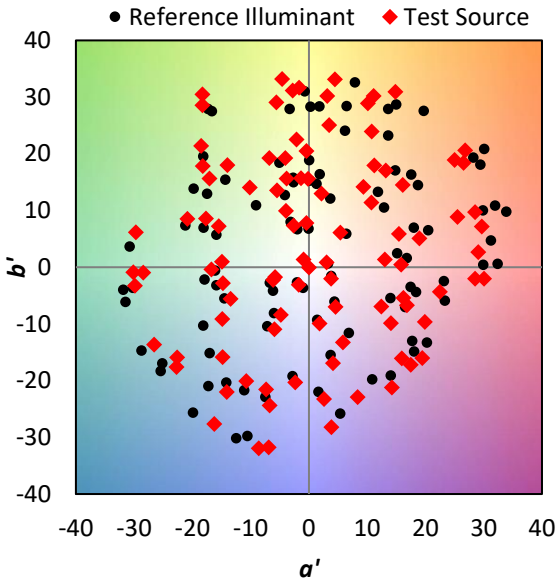
Summary

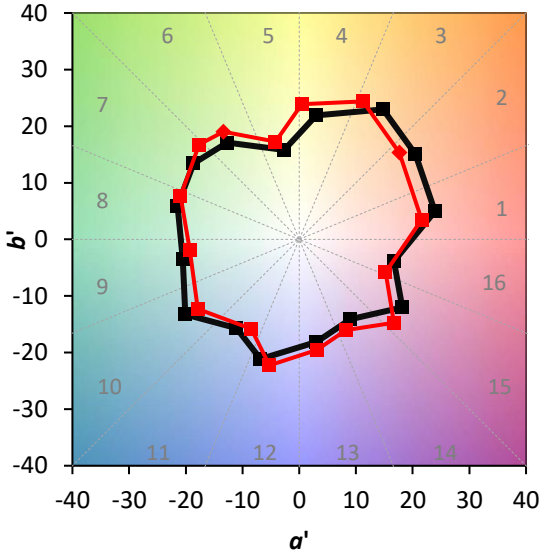
R_f = 81.5
R_g = 99.2
CIE R_a = 81.0
R_9 = 7.1

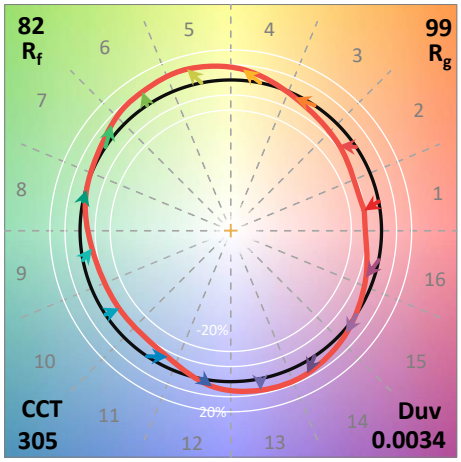
Spectral Power Distribution Comparison

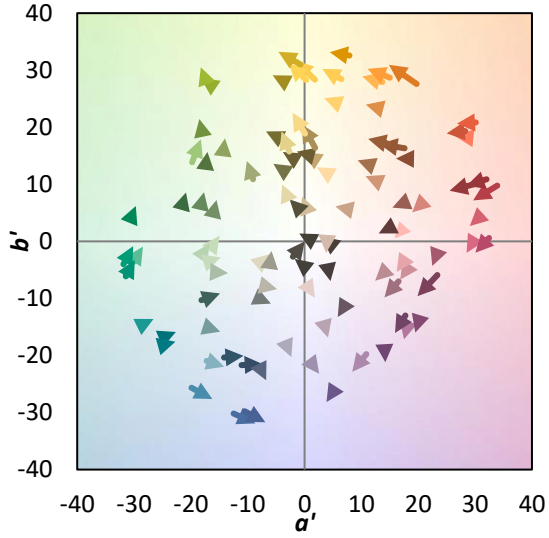


Color Vector Graphics









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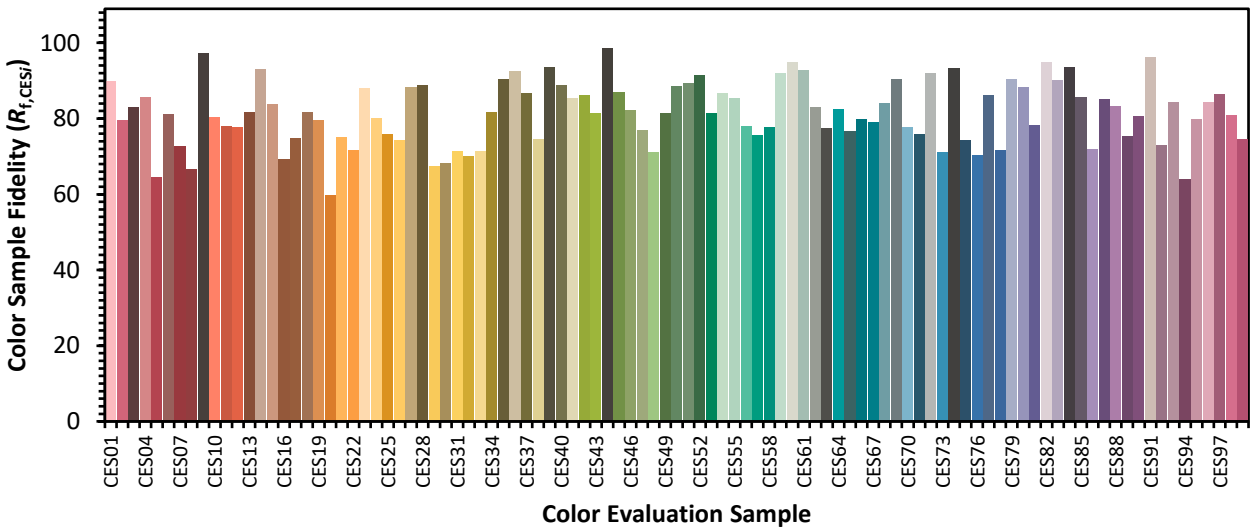
Individual Sample Fidelity Index ($R_{f,i}$)

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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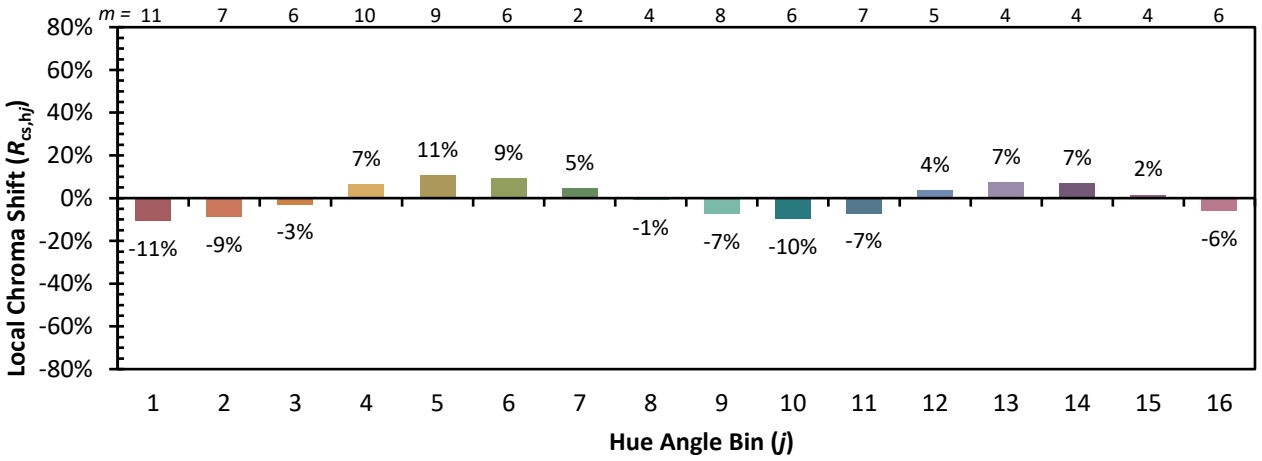
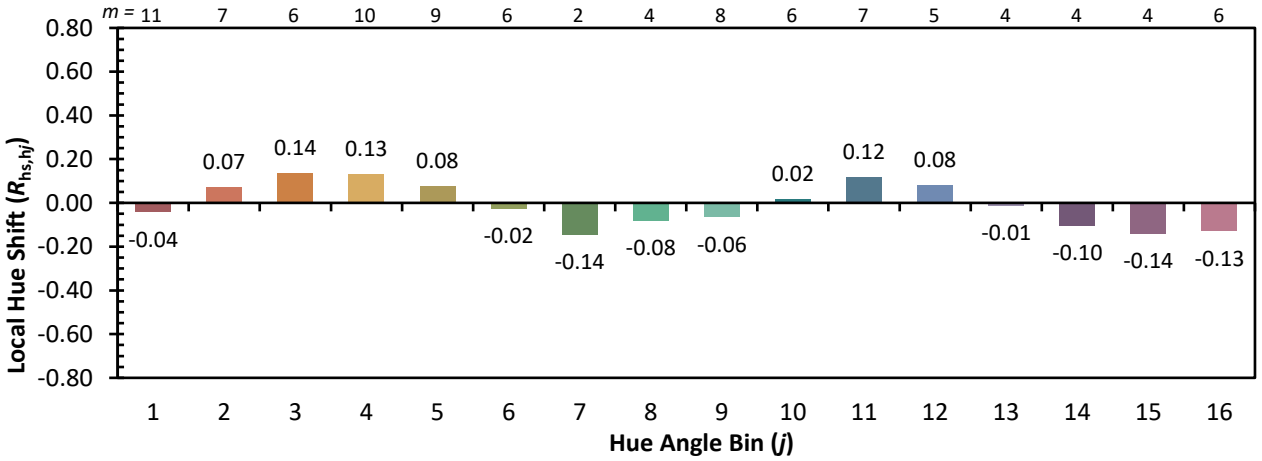
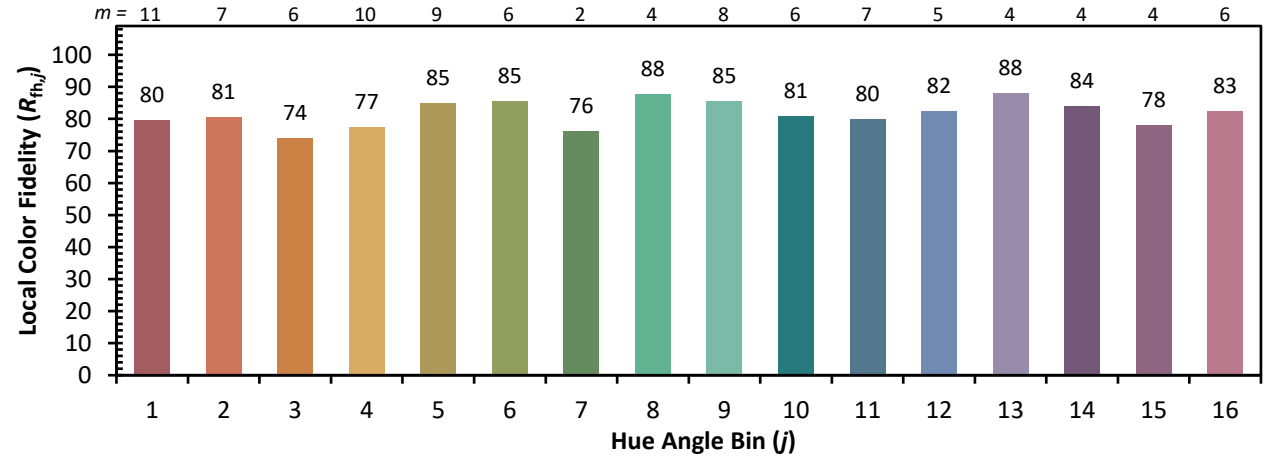
Color Rendition by Hue-Angle Bin







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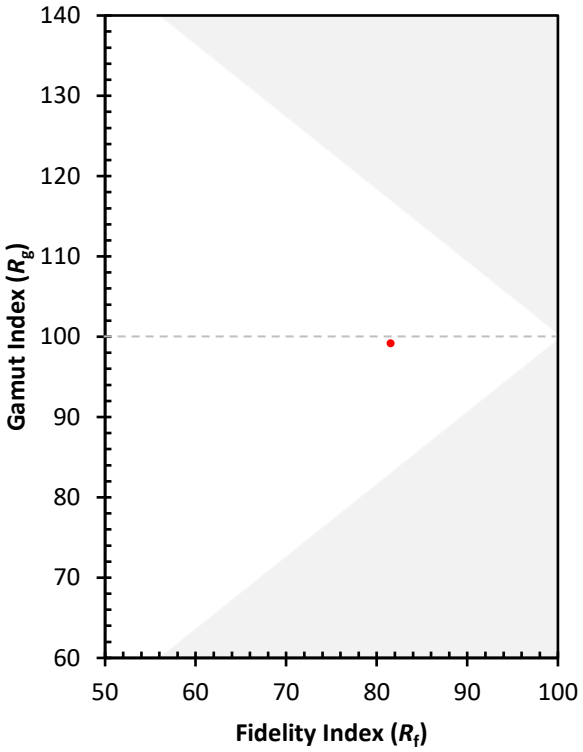
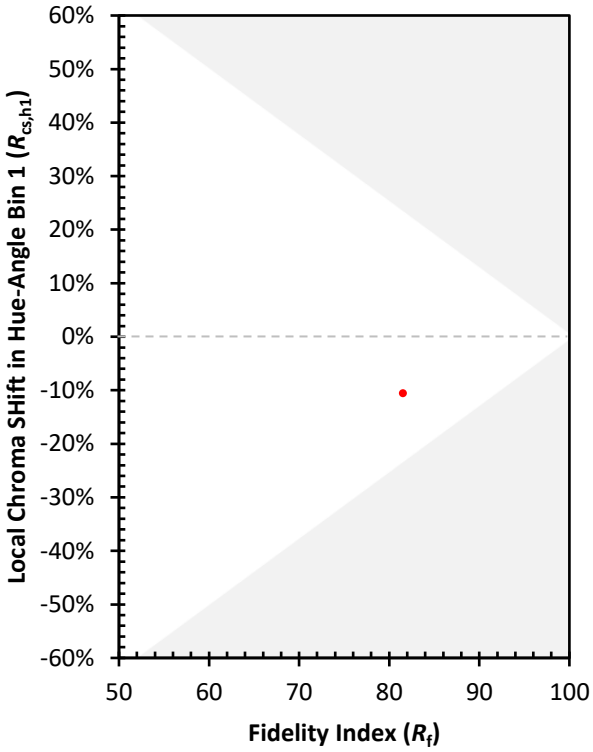
Measure Comparisons





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