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: P386946

Luminaire Tested: **GPC-SA2C-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:	P386946
	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-SA2C-830-U-SL3-HSS
Description:	GALLEON PEDESTRIAN LUMINAIRE
	(2) 80 CRI, 3000K, 1050mA 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:	10022 lumens
Efficiency:	N/A
Efficacy:	90.3 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):	111
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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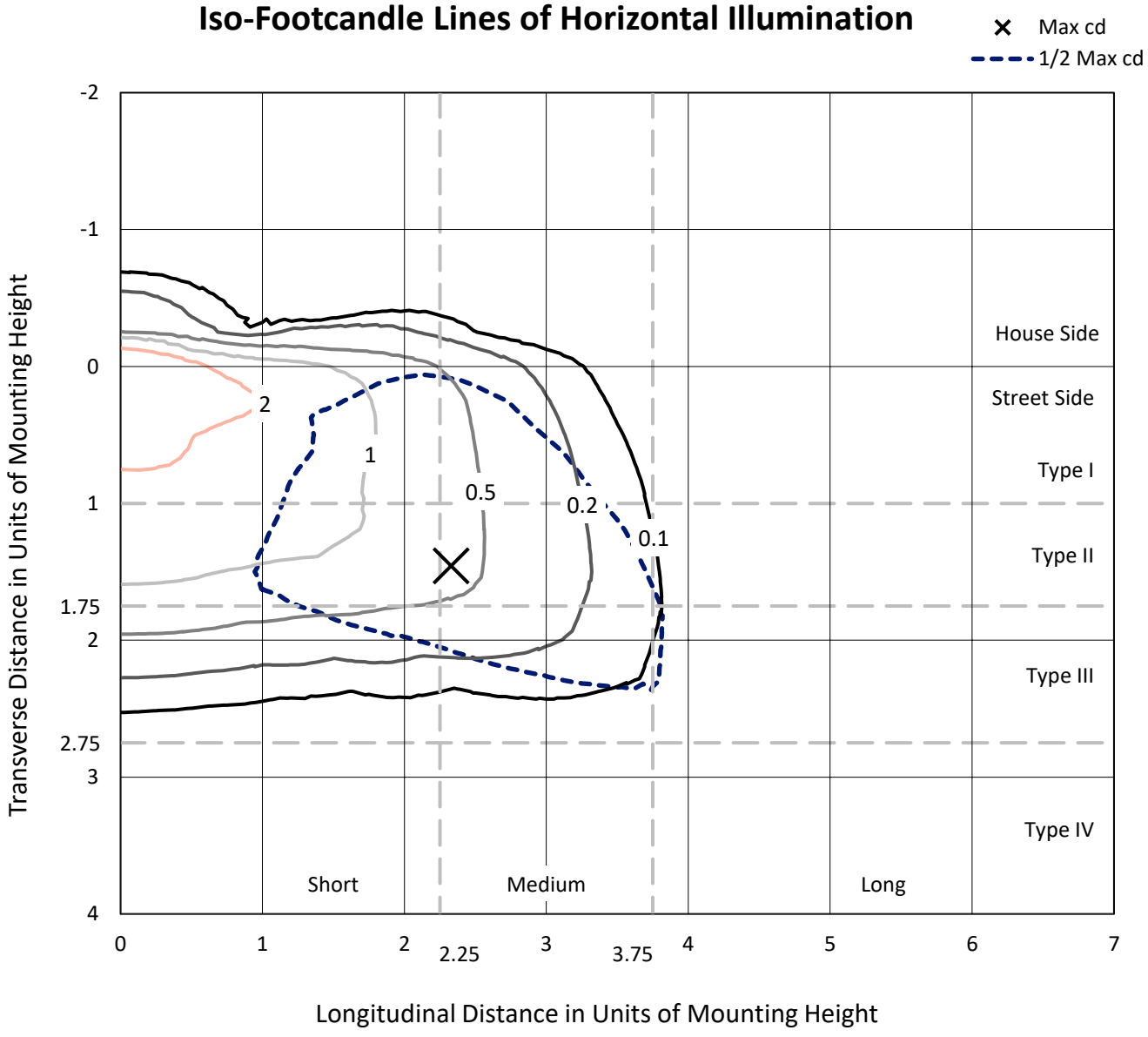
Scaled Data Report

REPORT NUMBER: P386946
CATALOG NUMBER: GPC-SA2C-830-U-SL3-HSS

Iso-Footcandle Lines of Horizontal Illumination



Based on 25 foot mounting height. Maximum calculated value = 4.8 fc
Type III - Medium - N/A

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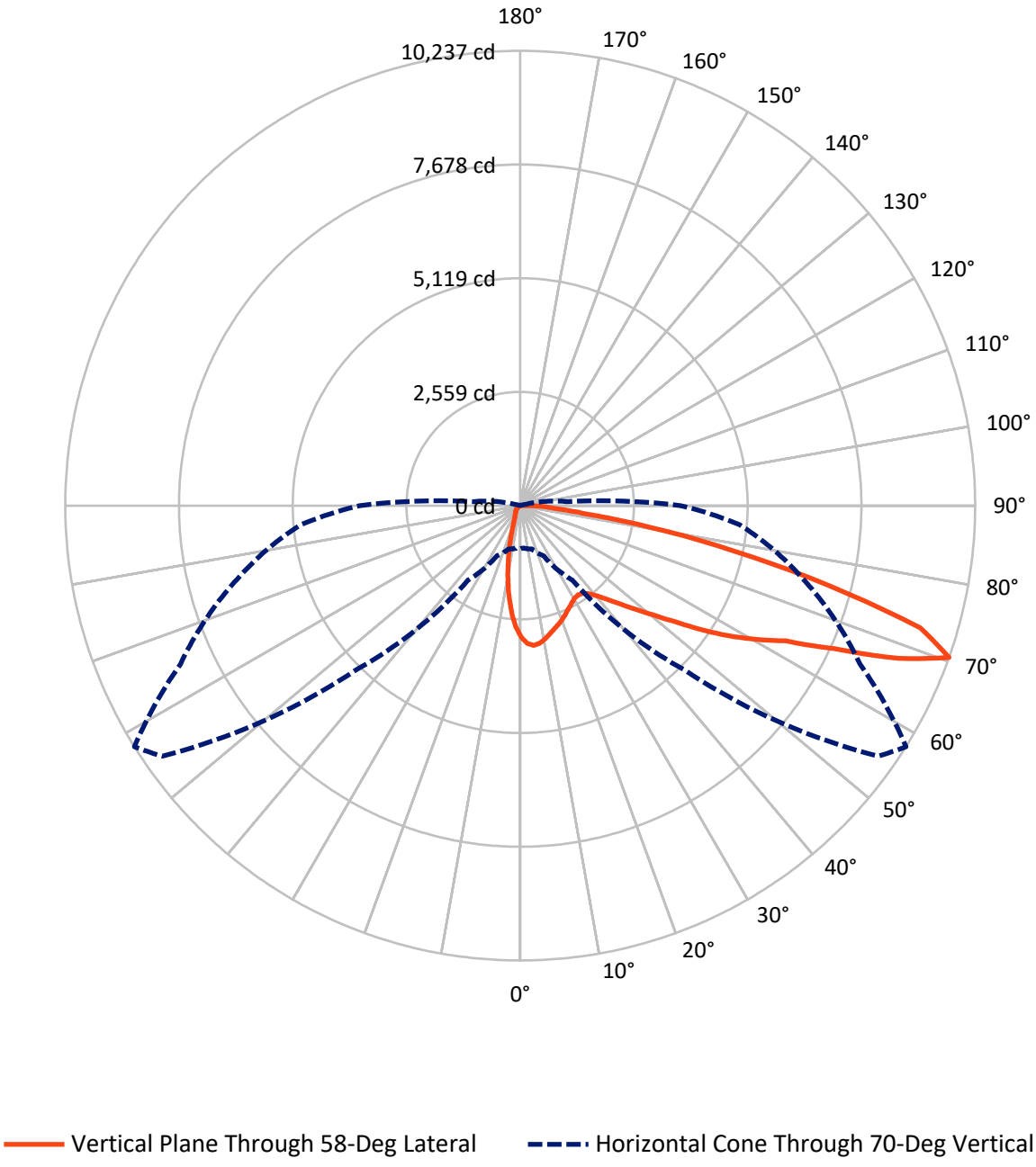
Luminous Intensity Polar Plot



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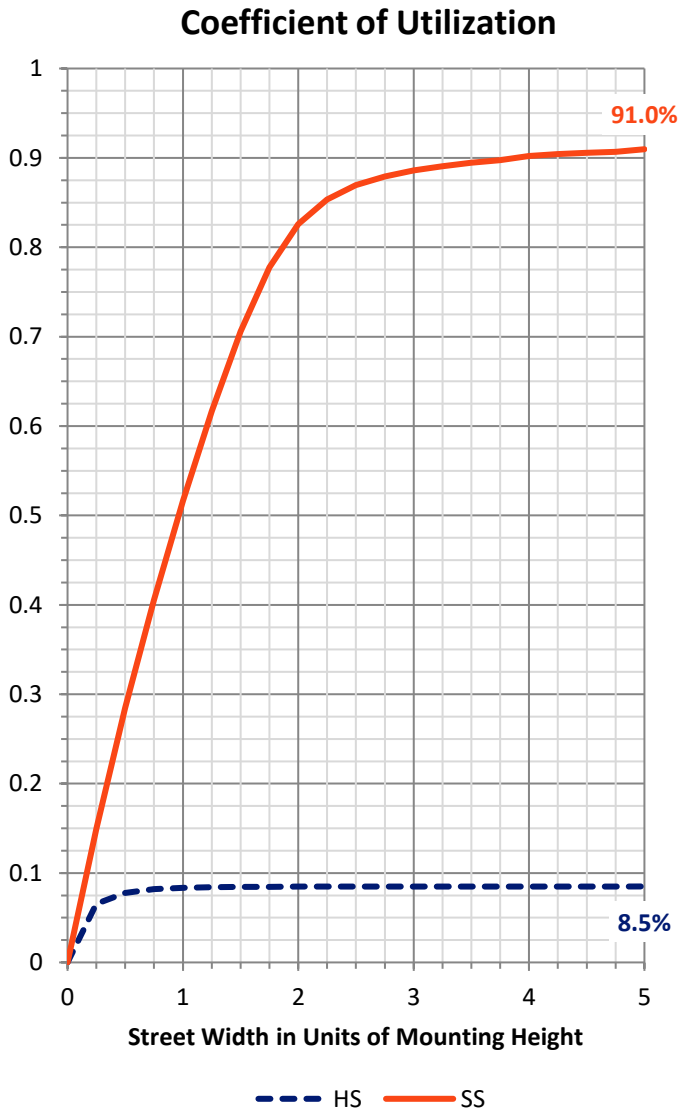
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	857.7	0.0	857.7
	% Fixture	8.6	0.0	8.6
Street Side	Lumens	9164.3	0.0	9164.3
	% Fixture	91.4	0.0	91.4
Total	Lumens	10022.0	0.0	10022.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	242.1	2.4
10°-20°	508.1	5.1
20°-30°	668.0	6.7
30°-40°	884.6	8.8
40°-50°	1322.3	13.2
50°-60°	2118.2	21.1
60°-70°	2670.0	26.6
70°-80°	1440.2	14.4
80°-90°	168.6	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°	10022.0	100.0
0°-180°	10022.0	100.0



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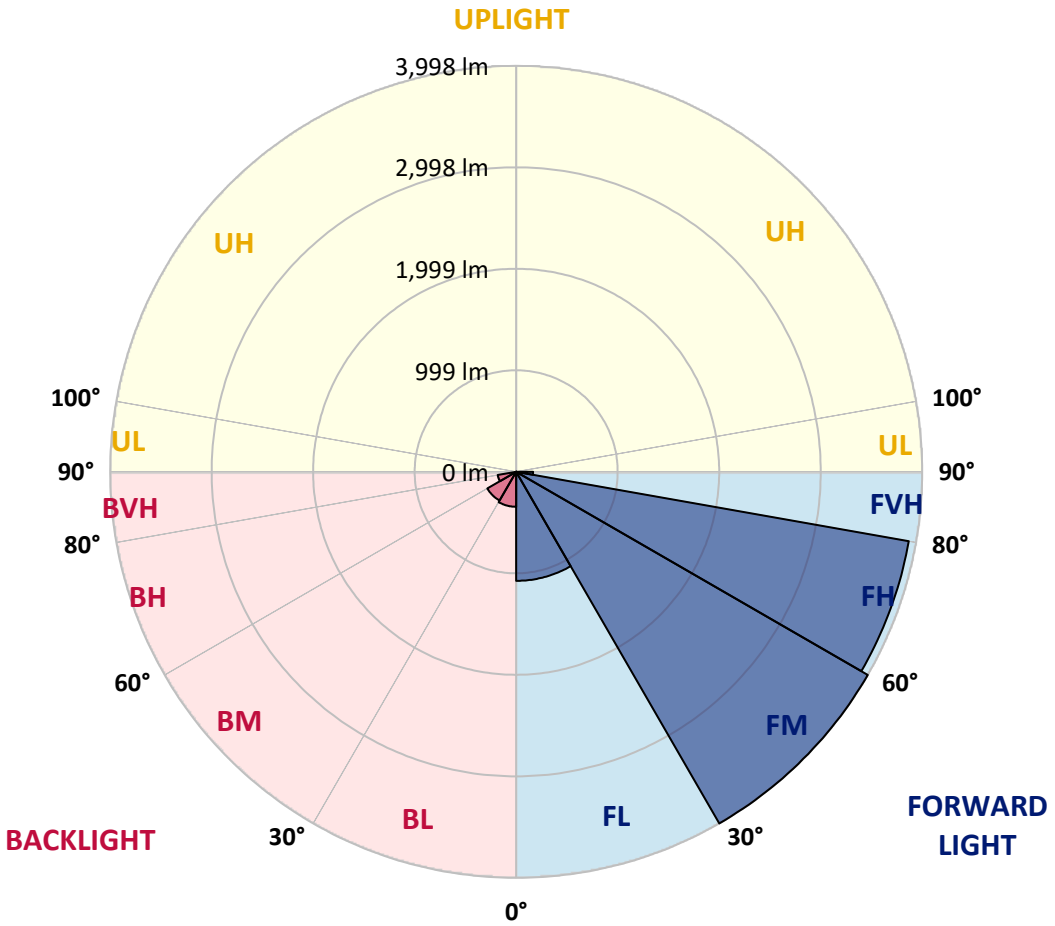
REPORT NUMBER: P386946
CATALOG NUMBER: GPC-SA2C-830-U-SL3-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	1073.6	10.7			
FM	(30°-60°)	3997.9	39.9			
FH	(60°-80°)	3925.7	39.2			G2/5000
FVH	(80°-90°)	167.1	1.7			G2/225
BL	(0°-30°)	344.6	3.4	B1/500		
BM	(30°-60°)	327.2	3.3	B1/1000		
BH	(60°-80°)	184.5	1.8	B1/500		G1/500
BVH	(80°-90°)	1.5	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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REPORT NUMBER: P386946
CATALOG NUMBER: GPC-SA2C-830-U-SL3-HSS

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	58°	65°	75°	85°
0°	2960.5	2960.5	2960.5	2960.5	2960.5	2960.5	2960.5	*2960.5*	2960.5	2960.5	2960.5
2.5°	3205.9	3198.0	3195.1	3190.1	3170.9	3152.1	3115.1	*3104.6*	3081.3	3025.9	2967.1
5°	3208.4	3208.0	3216.7	3214.7	3208.0	3199.2	3172.6	*3158.8*	3119.2	3040.0	2932.5
7.5°	3053.8	3061.7	3081.3	3097.1	3115.5	3139.2	3142.6	*3129.2*	3096.7	3011.3	2868.8
10°	2846.3	2858.8	2886.3	2917.5	2965.5	3013.0	3055.5	*3053.8*	3042.5	2958.4	2792.1
12.5°	2638.3	2652.9	2684.6	2730.8	2798.8	2876.3	2952.1	*2962.5*	2981.3	2910.9	2721.2
15°	2456.2	2468.7	2500.0	2556.6	2640.8	2745.0	2856.3	*2875.4*	2923.8	2873.8	2662.1
17.5°	2301.6	2309.5	2332.4	2395.4	2492.9	2619.1	2763.8	*2801.3*	2873.4	2844.6	2610.8
20°	2193.7	2194.9	2209.9	2254.1	2351.6	2492.9	2667.9	*2721.7*	2820.0	2819.6	2557.9
22.5°	2140.3	2136.2	2139.1	2164.5	2236.2	2372.4	2572.1	*2635.8*	2772.1	2798.3	2504.1
25°	2130.3	2127.0	2118.7	2122.0	2165.3	2267.0	2475.4	*2549.1*	2730.0	2785.4	2457.5
27.5°	2161.6	2164.9	2150.7	2135.7	2139.1	2198.7	2389.5	*2475.0*	2695.8	2785.4	2424.5
30°	2224.5	2226.2	2215.8	2196.2	2169.9	2179.5	2329.9	*2415.4*	2678.7	2804.6	2403.7
32.5°	2294.1	2303.3	2302.0	2286.2	2248.7	2209.9	2315.8	*2393.7*	2677.5	2847.1	2401.6
35°	2380.4	2390.8	2408.3	2405.0	2365.8	2302.0	2364.1	*2425.4*	2702.1	2917.1	2424.1
37.5°	2472.0	2487.9	2525.4	2543.3	2517.9	2445.8	2472.5	*2516.2*	2767.9	3030.5	2481.2
40°	2560.8	2578.7	2647.1	2717.5	2698.3	2624.2	2636.7	*2671.7*	2885.0	3193.4	2589.6
42.5°	2647.9	2674.6	2775.0	2890.9	2913.8	2854.6	2861.3	*2889.2*	3058.8	3417.6	2766.7
45°	2752.1	2782.1	2930.9	3073.8	3135.1	3109.2	3137.6	*3155.9*	3285.9	3713.9	3005.5
47.5°	2905.0	2939.6	3122.1	3285.1	3392.6	3409.3	3466.4	*3478.4*	3573.0	4059.0	3316.8
50°	3203.4	3213.0	3378.0	3526.0	3681.0	3781.0	3846.0	*3855.2*	3920.6	4436.1	3705.6
52.5°	3578.9	3585.1	3678.5	3777.7	3953.9	4158.1	4310.2	*4323.2*	4336.9	4803.6	4089.4
55°	3951.9	3951.0	4012.7	4071.0	4272.7	4569.4	4899.5	*4907.4*	4808.6	5152.5	4382.8
57.5°	4184.8	4207.3	4301.1	4376.1	4657.8	5038.3	5496.3	*5525.4*	5304.1	5410.8	4672.8
60°	4110.6	4121.5	4329.4	4607.0	5137.4	5704.6	6100.1	*6107.6*	5676.7	5668.8	5039.5
62.5°	3502.2	3508.0	3834.8	4406.9	5380.4	6568.9	6828.5	*6706.4*	6105.1	6026.8	5478.3
65°	2400.4	2438.3	2711.2	3418.4	4934.1	7111.1	7956.2	*7754.1*	6758.1	6542.7	5875.1
67.5°	1413.5	1405.6	1540.7	2061.6	3623.9	6751.0	9382.7	*9181.8*	7648.7	6888.1	5758.8
70°	*965.6*	*960.1*	*1011.8*	*1248.1*	*2045.7*	*5237.0*	*9831.5*	*10237.0*	*8435.0*	*6655.6*	*4956.2*
72.5°	689.3	692.2	768.5	969.7	1284.4	3051.3	8454.6	*9414.4*	8188.7	5802.1	3767.2
75°	468.0	475.9	585.1	795.5	1126.0	1552.3	5999.7	*7156.5*	6668.1	4216.9	2165.3
77.5°	251.7	260.5	389.2	640.9	1018.1	1078.5	3859.3	*4925.3*	4188.6	1895.7	627.6
80°	105.0	110.0	182.1	465.9	879.7	947.2	2270.8	*2986.7*	1784.9	373.8	140.0
82.5°	45.4	47.9	75.8	278.0	657.6	799.7	1202.3	*1436.9*	540.9	82.1	70.4
85°	8.8	9.2	31.3	147.1	419.6	451.3	779.3	*763.9*	243.0	35.4	51.3
87.5°	0.0	0.0	7.5	46.3	123.4	245.9	475.5	*469.7*	82.5	17.1	19.2
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: P386946
CATALOG NUMBER: GPC-SA2C-830-U-SL3-HSS

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	2960.5	2960.5	2960.5	2960.5	2960.5	2960.5	2960.5	2960.5	2960.5	2960.5	2960.5
2.5°	2937.1	2908.4	2847.9	2773.3	2716.2	2653.3	2603.3	2540.0	2512.5	2513.7	2498.7
5°	2871.3	2812.1	2678.3	2509.5	2379.5	2245.3	2129.9	2014.9	1947.0	1924.9	1904.0
7.5°	2777.1	2683.3	2470.0	2209.9	1989.9	1774.9	1587.7	1423.1	1319.0	1268.1	1249.4
10°	2670.8	2539.1	2230.3	1887.8	1573.6	1282.7	1040.2	829.3	745.1	688.0	673.4
12.5°	2577.5	2399.1	1996.1	1557.3	1184.3	833.5	602.2	470.9	413.8	391.3	387.6
15°	2489.5	2268.3	1770.7	1258.1	820.1	513.0	383.0	338.4	325.0	321.3	321.3
17.5°	2406.6	2143.7	1550.2	963.5	542.6	359.6	317.1	307.1	303.0	302.5	303.0
20°	2319.9	2019.1	1333.5	705.9	378.8	304.6	293.0	287.5	286.3	286.3	286.3
22.5°	2237.0	1894.5	1122.7	504.2	303.8	278.0	272.1	268.4	267.1	266.7	265.9
25°	2157.4	1776.1	916.8	356.3	266.7	254.6	249.6	244.6	240.9	238.8	237.5
27.5°	2092.0	1670.7	725.1	285.9	240.9	230.5	224.2	216.7	207.5	203.4	201.7
30°	2039.9	1574.4	558.8	241.3	216.7	206.3	196.7	183.8	170.4	163.4	162.9
32.5°	1999.1	1479.8	424.2	213.4	195.0	182.1	168.4	152.1	136.7	128.8	128.4
35°	1979.1	1396.5	324.2	192.9	175.9	159.6	142.5	124.6	109.6	102.1	101.3
37.5°	1992.4	1326.0	253.0	175.9	159.6	140.9	120.9	102.1	88.8	82.1	81.7
40°	2041.1	1281.0	205.4	161.3	145.9	122.9	101.3	83.8	72.5	67.1	66.7
42.5°	2144.9	1264.4	175.4	149.2	132.5	106.3	84.2	69.2	58.8	55.0	54.2
45°	2318.3	1288.9	155.0	137.5	118.8	90.4	69.6	56.7	47.5	44.6	44.2
47.5°	2549.1	1353.5	140.4	126.3	106.3	76.3	57.9	45.8	38.8	35.8	35.4
50°	2846.7	1456.1	128.4	115.0	94.6	64.6	47.9	36.3	30.0	27.9	27.9
52.5°	3170.5	1578.2	117.5	104.6	82.9	53.8	38.8	27.9	23.8	21.3	21.3
55°	3438.0	1684.8	105.8	96.7	68.8	44.6	29.6	21.3	17.5	16.3	16.3
57.5°	3705.1	1798.6	92.5	82.9	55.0	36.3	22.5	15.8	12.9	12.1	12.1
60°	4051.5	1937.8	79.6	67.5	43.3	27.5	16.7	11.3	9.6	9.2	9.2
62.5°	4432.3	2019.5	67.9	54.2	33.8	20.4	12.1	7.5	7.1	7.1	6.7
65°	4665.3	1904.0	57.1	43.3	26.3	15.4	7.9	5.4	6.3	5.8	5.0
67.5°	4368.2	1490.6	46.7	33.8	20.4	11.7	5.0	3.8	6.7	5.4	4.2
70°	*3616.8*	*1043.5*	*36.3*	*23.8*	*16.3*	*10.0*	*3.3*	*2.5*	*7.1*	*5.4*	*3.3*
72.5°	2706.7	698.4	28.8	15.8	12.1	8.8	2.9	1.3	6.3	4.6	2.9
75°	1479.0	281.3	22.9	10.0	7.5	6.3	2.1	0.8	4.2	3.3	2.1
77.5°	389.2	74.2	16.7	6.7	4.2	2.5	1.3	0.4	2.1	1.7	0.8
80°	99.2	28.8	10.8	4.6	2.9	1.3	0.0	0.0	0.4	0.0	0.0
82.5°	52.9	12.1	6.7	3.3	1.7	0.0	0.0	0.0	0.0	0.0	0.0
85°	40.0	7.9	3.8	2.1	0.4	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	15.4	2.5	1.3	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

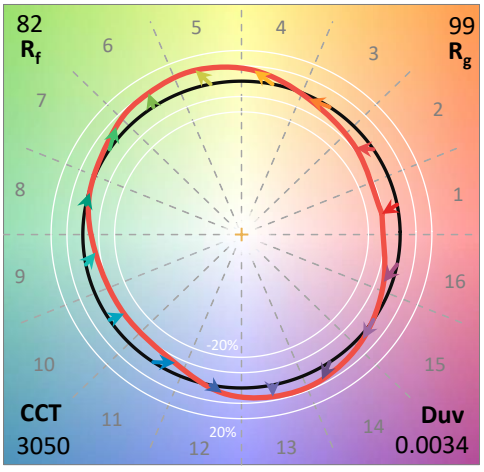
Test Information

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

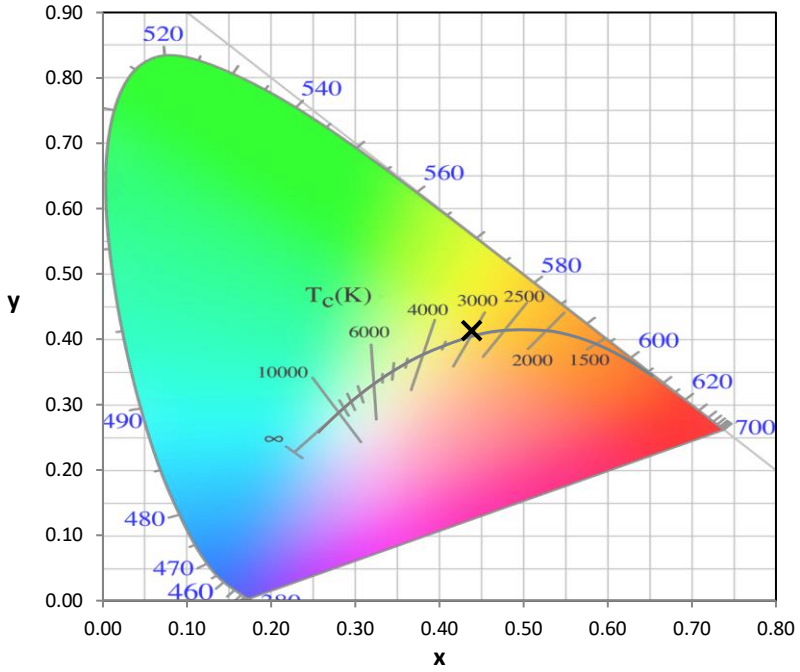
Stabilization Time:	20M
Operation Time:	1H 20M
Sphere Temperature (°C):	24.2

REPORT NUMBER: SP1-2408-195-9

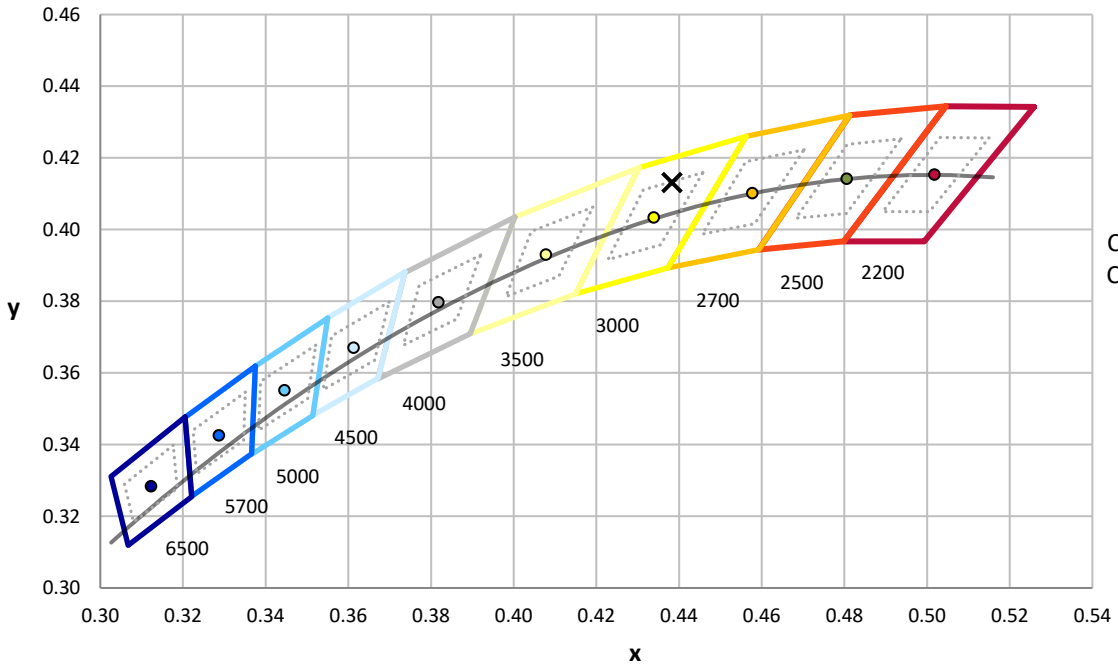
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

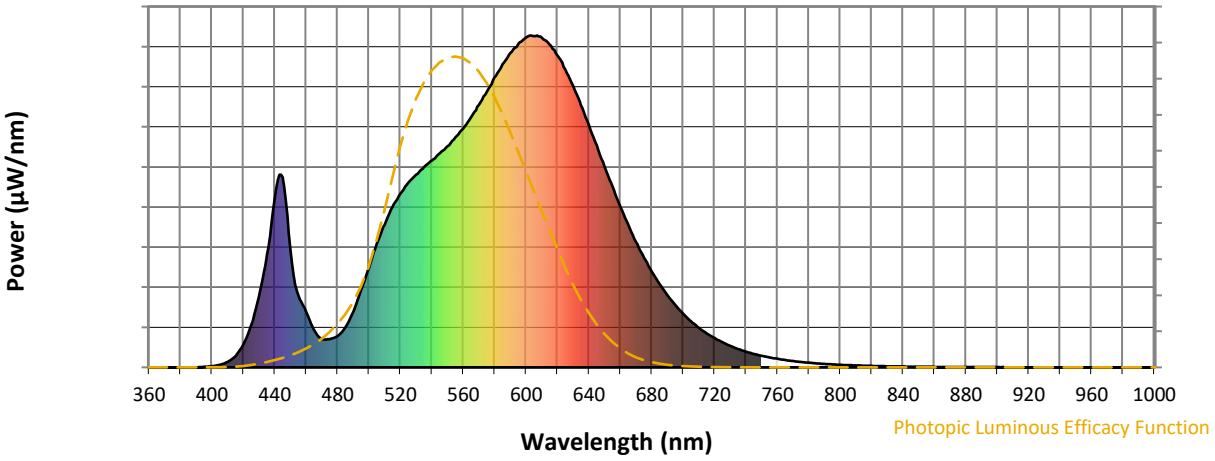


CCT = 3050K
CIE x = 0.4383
CIE y = 0.4131
Duv = 0.0034

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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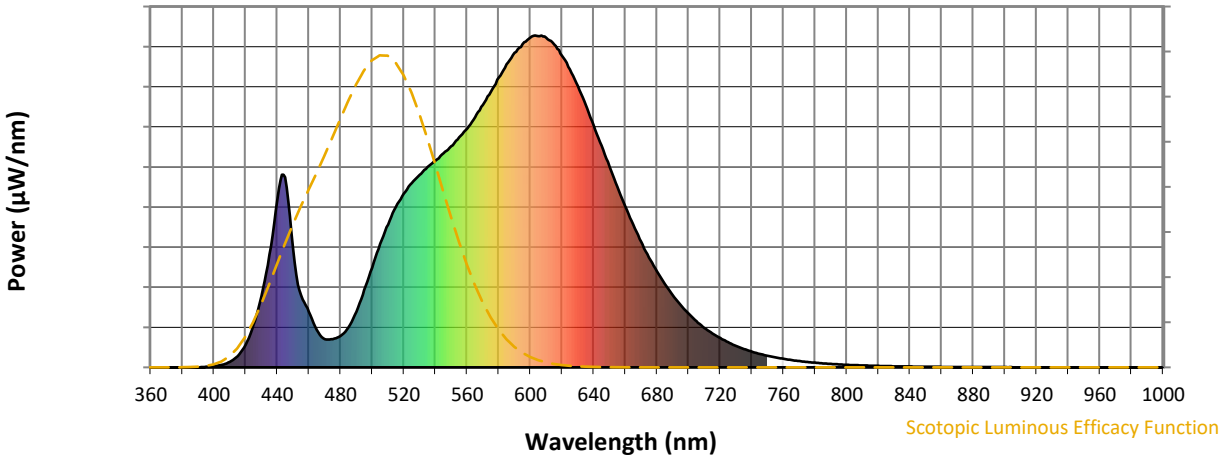
Scotopic Flux vs. Wavelength



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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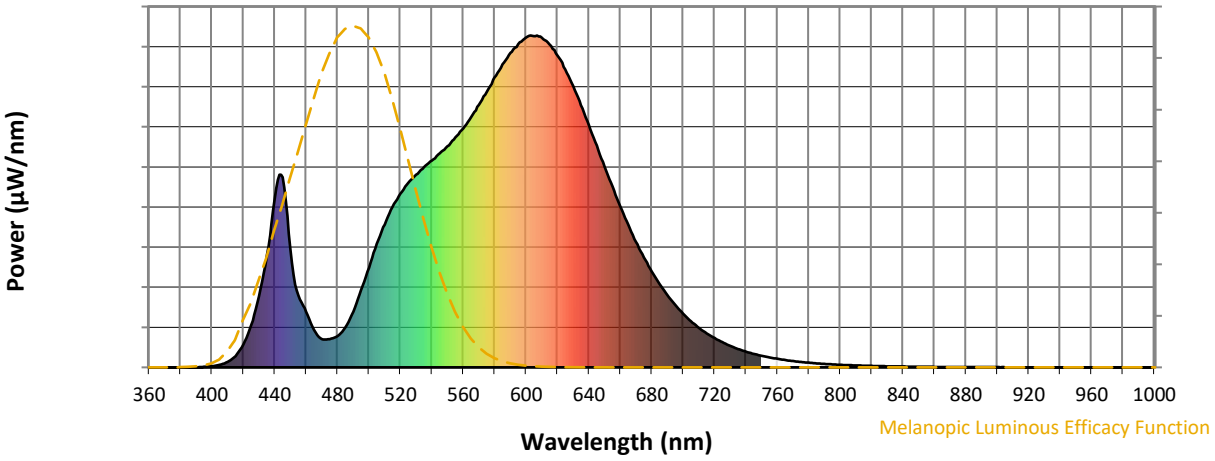
Melanopic Flux vs. Wavelength



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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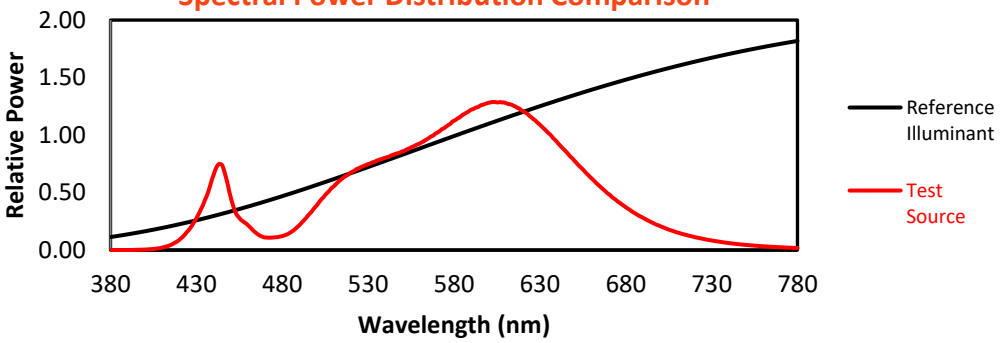
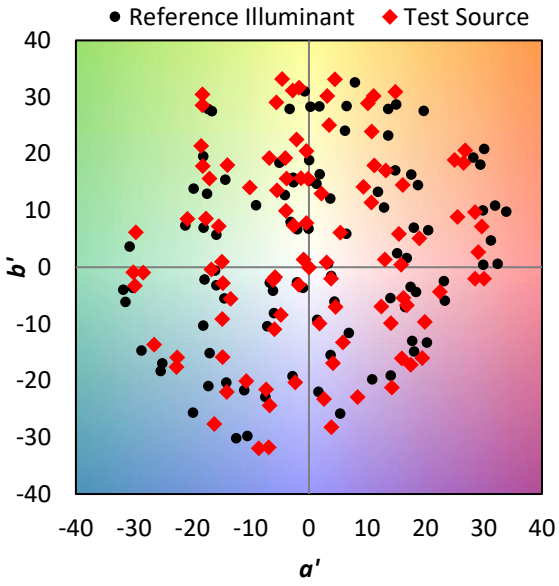
Summary

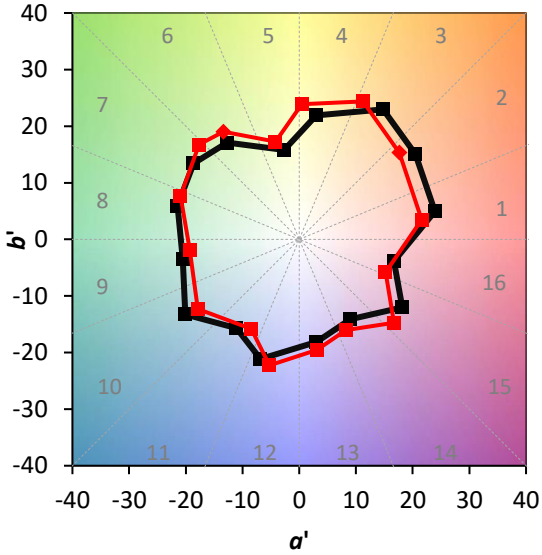
R_f = 81.5
R_g = 99.2
CIE R_a = 81.0
R_9 = 7.1

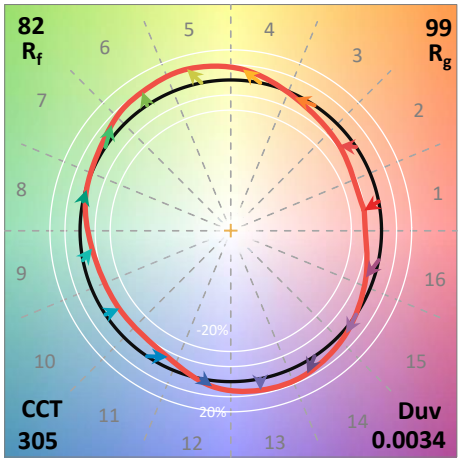
Spectral Power Distribution Comparison

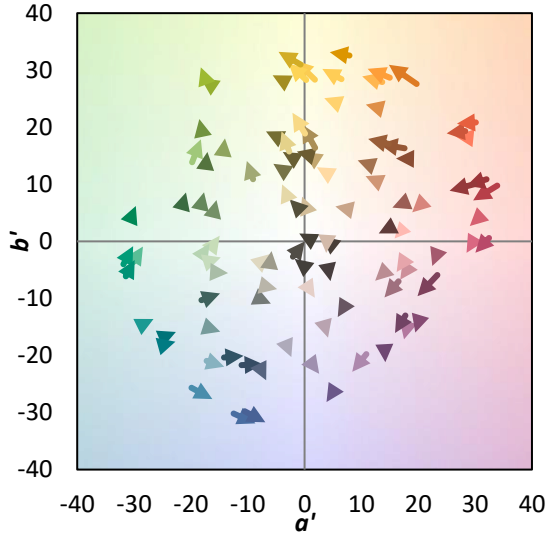


Color Vector Graphics









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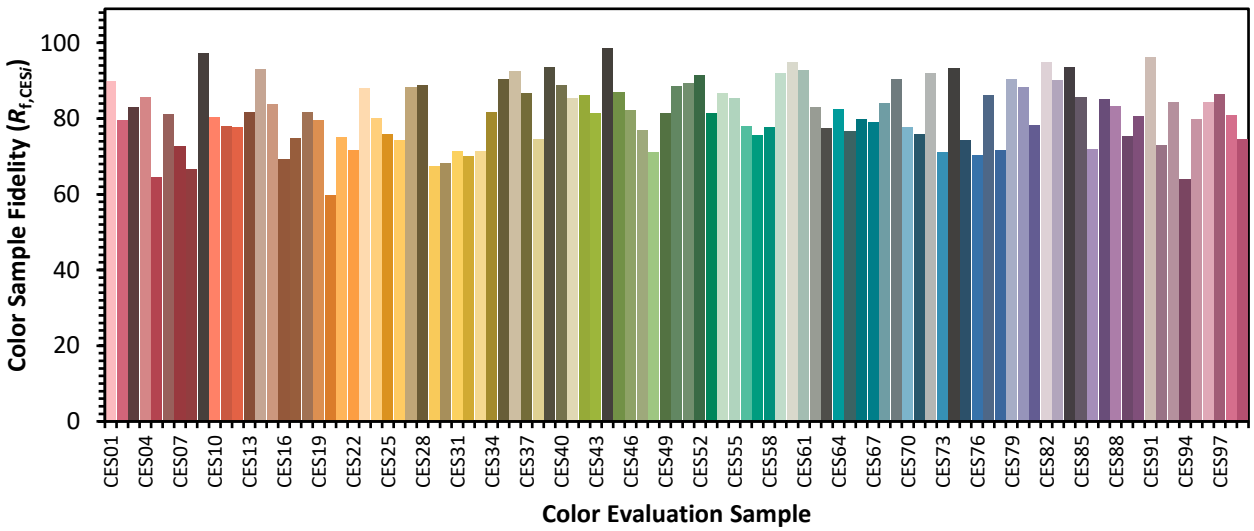
Individual Sample Fidelity Index ($R_{f,i}$)

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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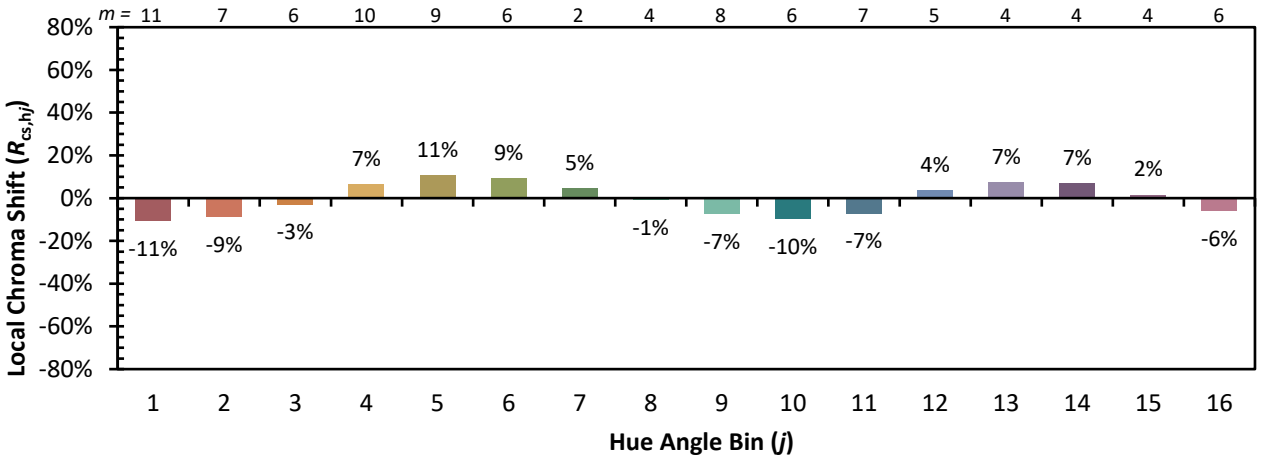
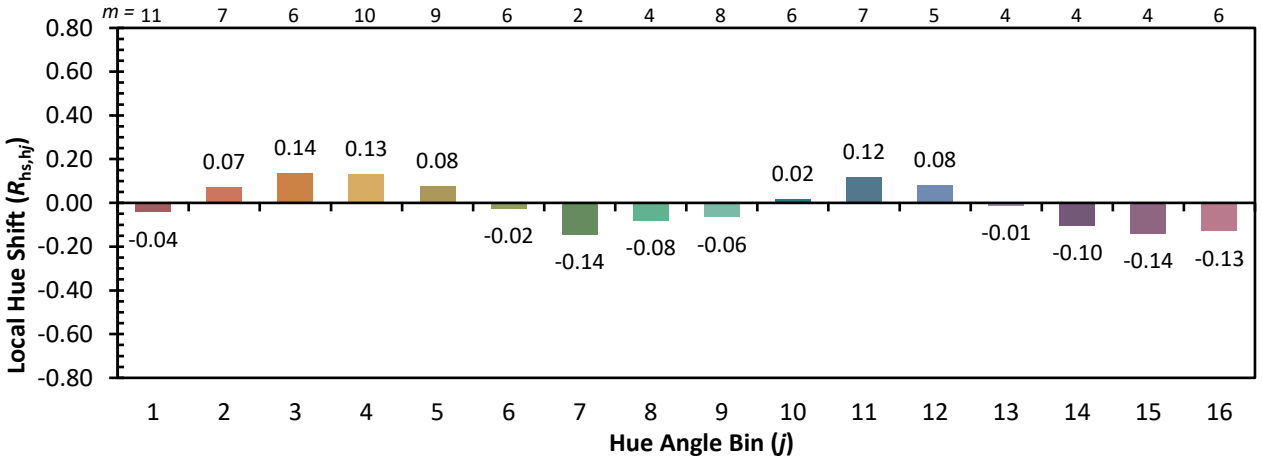
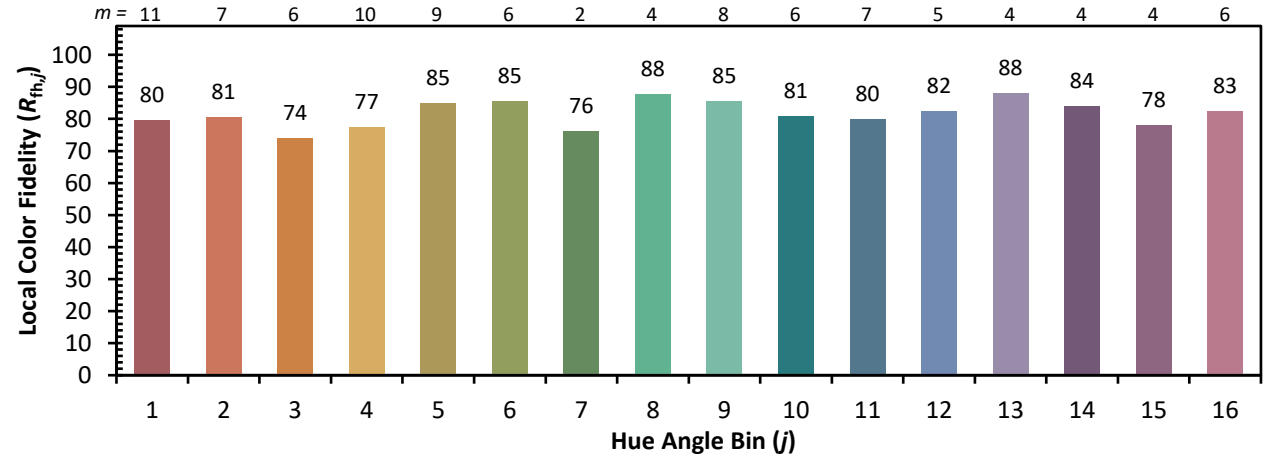
Color Rendition by Hue-Angle Bin







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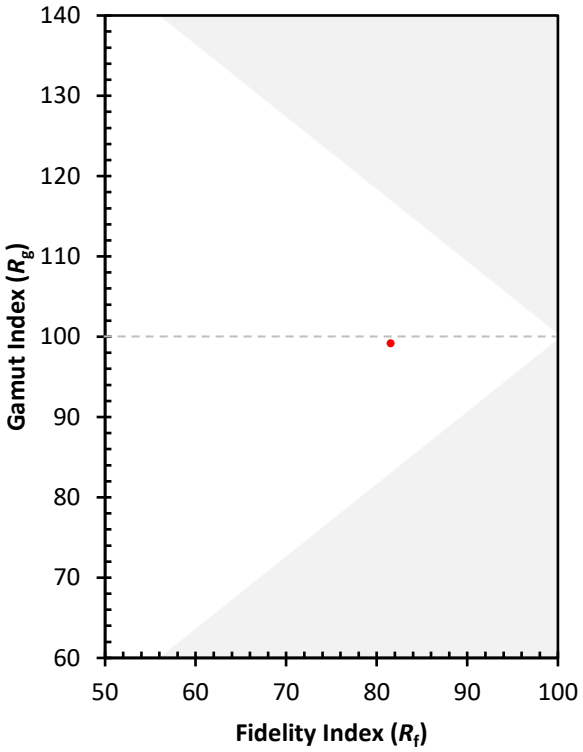
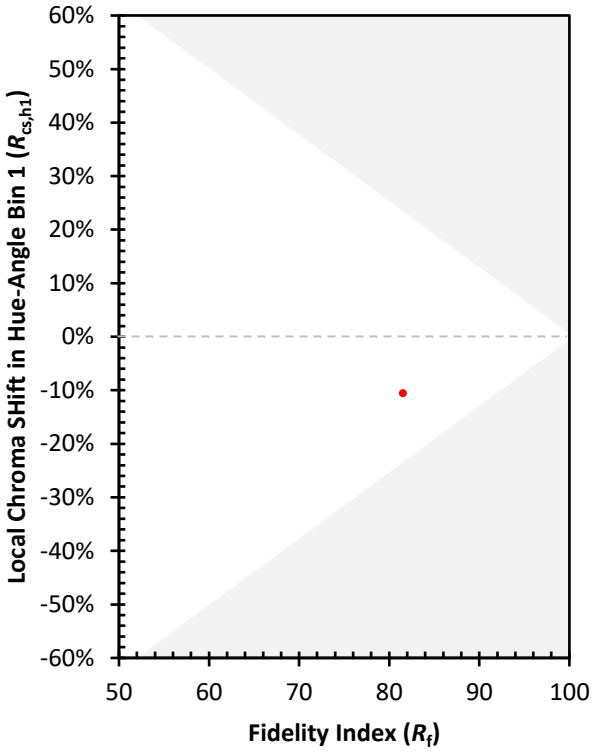
Measure Comparisons





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