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: P318558

Luminaire Tested: **GLEON-SA4B-830-U-T3**

Issue Date: 3/3/2020

Report Generated By E0585644

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:	P318558
	TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-14)
Test Lab:	INNOVATION CENTER
Issue Date:	3/3/2020
Manufacturer:	COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line:	McGRAW-EDISON
Catalog Number:	GLEON-SA4B-830-U-T3
Description:	GALLEON AREA AND ROADWAY LUMINAIRE
	(4) 80 CRI, 3000K, 800mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III OPTICS
Light Source:	-
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	18322 lumens
Efficiency:	N/A
Efficacy:	107.1 lumens/watt
Luminous Opening:	Rectangular (W 1' x L: 1' x H: 0')
IES Classification:	Type III - Short
BUG Rating:	B3 - U0 - G3

Input Watts (W):	171
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:	24 FT

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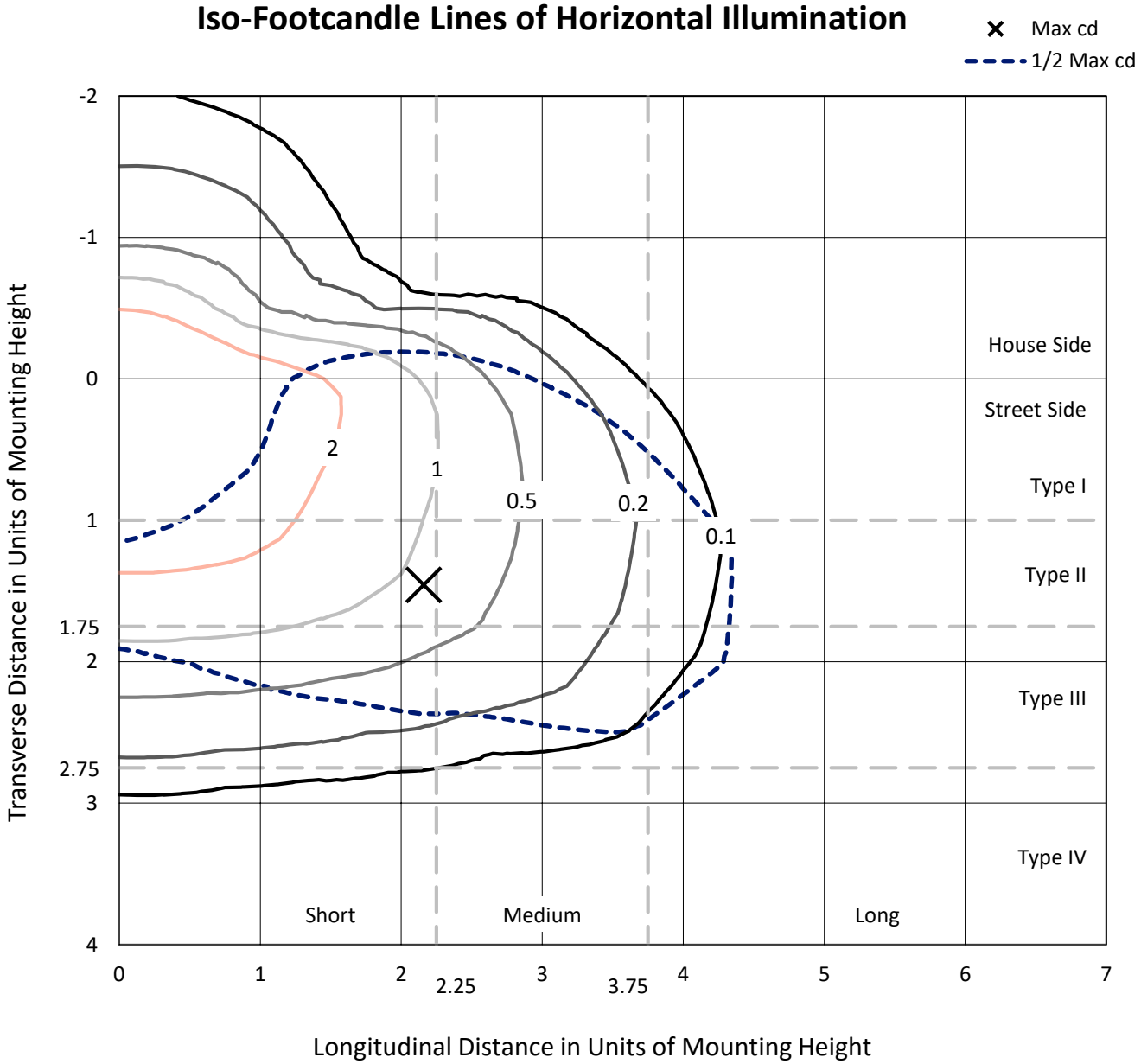
Scaled Data Report

REPORT NUMBER: P318558
CATALOG NUMBER: GLEON-SA4B-830-U-T3

Iso-Footcandle Lines of Horizontal Illumination



Based on 25 foot mounting height. Maximum calculated value = 4.2 fc
Type III - Short - N/A

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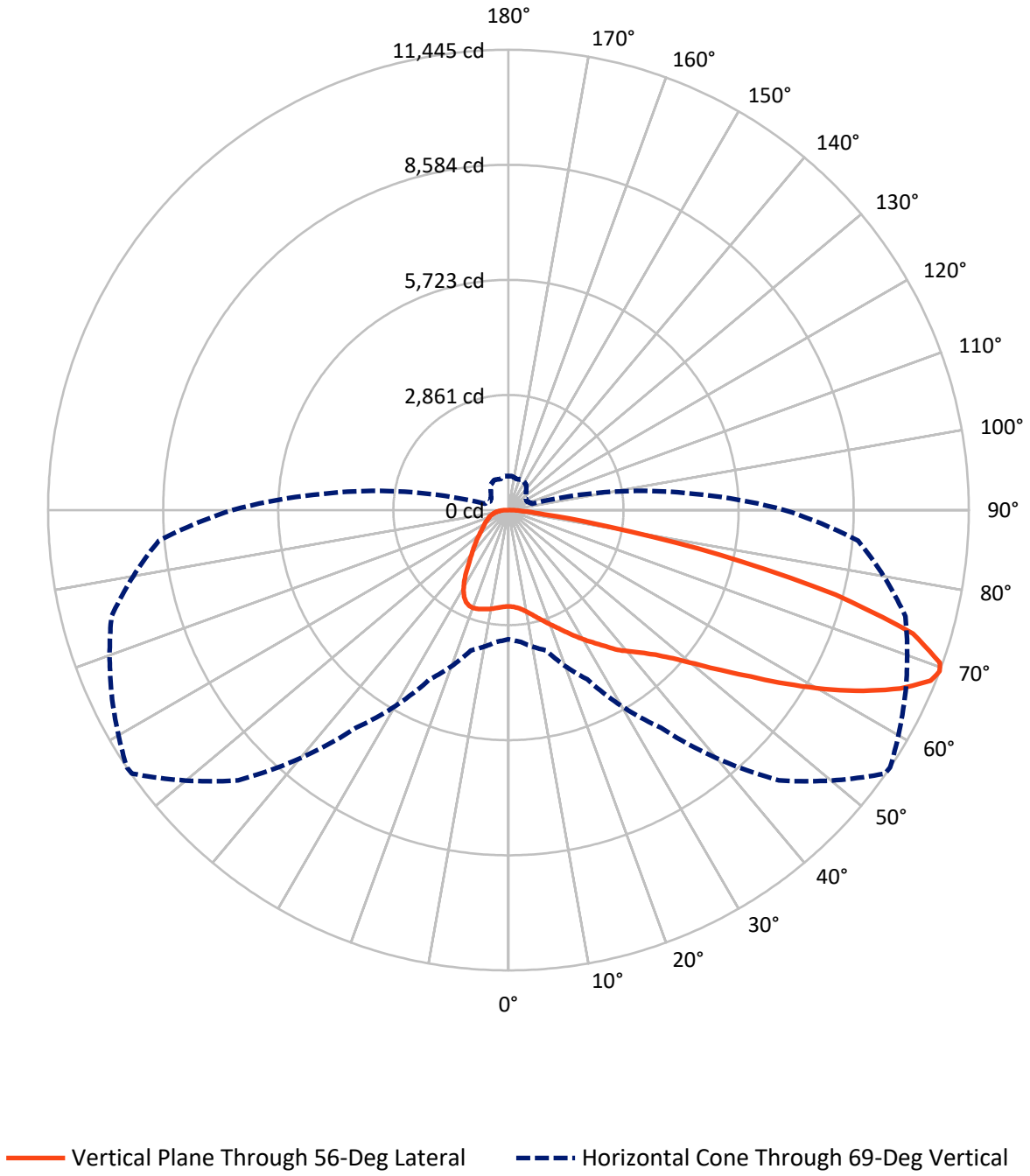
Luminous Intensity Polar Plot



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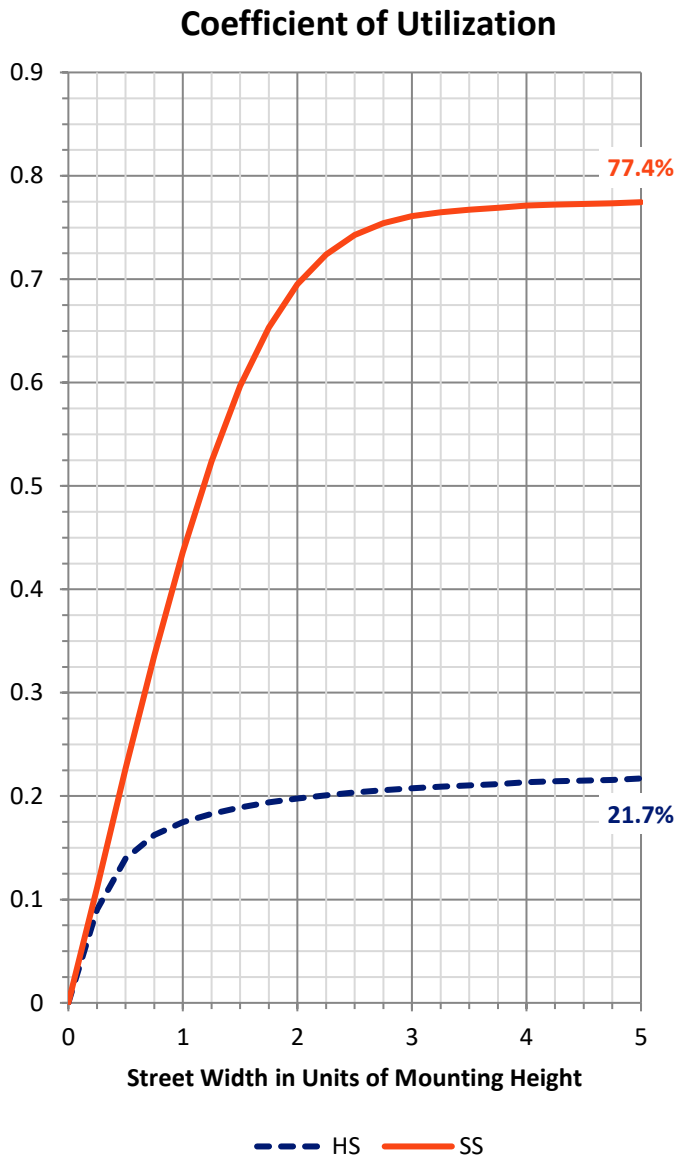
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4080.3	0.0	4080.3
	% Fixture	22.3	0.0	22.3
Street Side	Lumens	14241.7	0.0	14241.7
	% Fixture	77.7	0.0	77.7
Total	Lumens	18322.0	0.0	18322.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	235.3	1.3
10°-20°	756.5	4.1
20°-30°	1320.6	7.2
30°-40°	1896.9	10.4
40°-50°	2625.3	14.3
50°-60°	3846.4	21.0
60°-70°	4689.4	25.6
70°-80°	2592.6	14.2
80°-90°	359.1	2.0
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°	18322.0	100.0
0°-180°	18322.0	100.0



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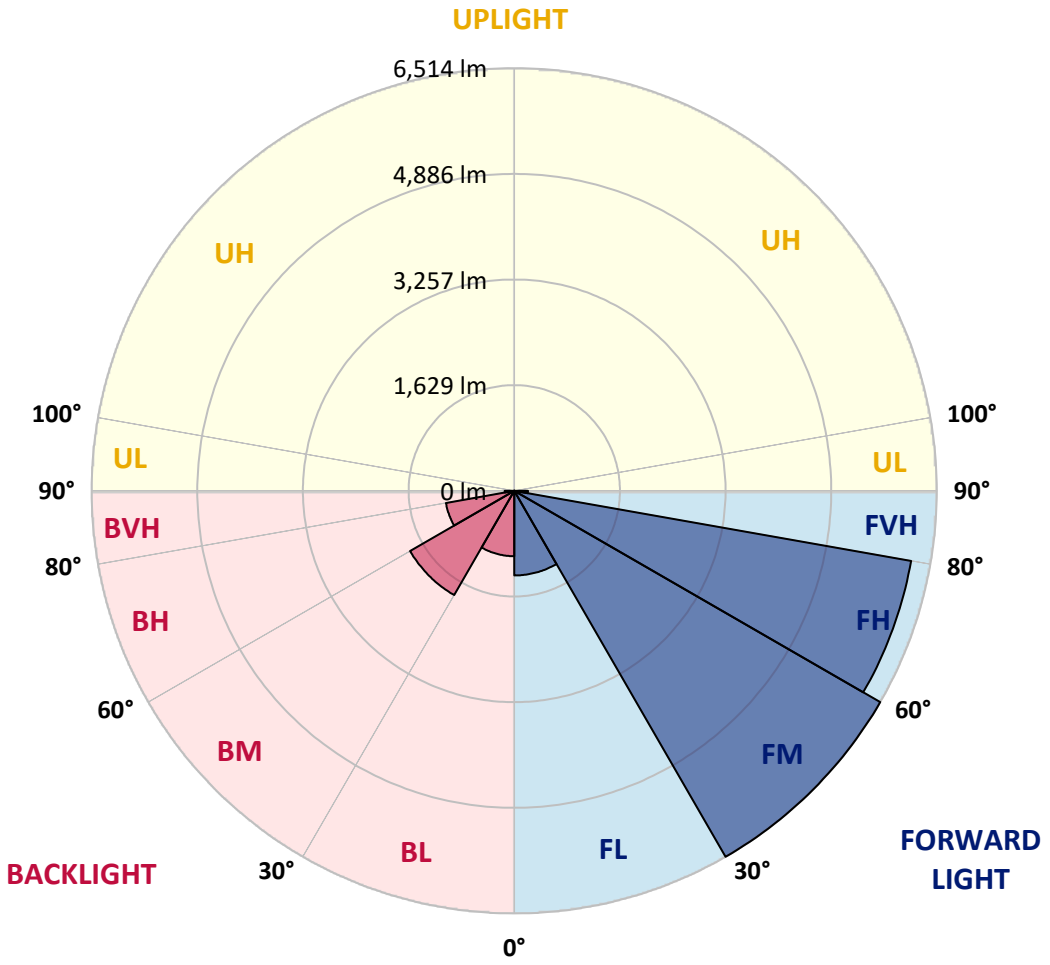
REPORT NUMBER: P318558
CATALOG NUMBER: GLEON-SA4B-830-U-T3

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	1304.0	7.1			
FM	(30°-60°)	6514.2	35.6			
FH	(60°-80°)	6212.1	33.9			G3/7500
FVH	(80°-90°)	211.5	1.2			G2/225
BL	(0°-30°)	1008.3	5.5	B3/2500		
BM	(30°-60°)	1854.4	10.1	B2/2500		
BH	(60°-80°)	1070.0	5.8	B3/2500		G3/2500
BVH	(80°-90°)	147.6	0.8			G2/225
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G3
Type III Short



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REPORT NUMBER: P318558
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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	56°	65°	75°	85°
0°	2395.3	2395.3	2395.3	2395.3	2395.3	2395.3	2395.3	2395.3	2395.3	2395.3	2395.3
2.5°	2410.5	2413.0	2411.1	2416.2	2410.5	2414.3	2411.1	2411.1	2409.2	2403.5	2397.2
5°	2448.3	2453.4	2450.2	2455.3	2448.3	2449.6	2443.9	2443.9	2438.2	2426.3	2413.6
7.5°	2507.7	2513.4	2510.8	2515.9	2506.4	2506.4	2498.8	2498.2	2486.8	2467.3	2452.8
10°	2578.4	2585.9	2583.4	2591.0	2583.4	2585.9	2578.4	2578.4	2563.2	2535.4	2517.1
12.5°	2681.2	2690.7	2683.8	2683.1	2680.0	2685.0	2678.7	2677.5	2663.6	2625.7	2600.5
15°	2818.8	2828.9	2814.4	2813.2	2795.5	2793.6	2793.6	2791.7	2782.9	2737.4	2695.8
17.5°	2977.3	2980.4	2967.8	2947.6	2924.9	2910.4	2908.5	2913.5	2913.5	2860.5	2794.2
20°	3132.5	3138.2	3128.1	3105.4	3076.4	3054.9	3039.8	3049.9	3049.2	2986.1	2892.1
22.5°	3301.7	3315.0	3299.8	3270.8	3236.7	3212.7	3186.2	3195.0	3195.7	3118.0	2988.0
25°	3520.7	3508.7	3499.3	3458.2	3409.6	3385.0	3360.4	3369.2	3366.7	3260.0	3087.1
27.5°	3714.5	3717.0	3704.4	3660.8	3604.7	3550.4	3549.1	3554.8	3545.3	3407.7	3180.5
30°	3939.8	3941.1	3923.4	3884.3	3823.1	3753.0	3736.6	3746.0	3725.9	3547.9	3279.0
32.5°	4163.9	4170.2	4150.6	4103.3	4054.1	3968.9	3936.0	3942.3	3891.9	3691.1	3380.6
35°	4360.2	4369.0	4362.7	4331.2	4277.5	4204.3	4165.2	4161.4	4098.9	3866.6	3515.0
37.5°	4560.3	4568.5	4561.5	4535.0	4513.6	4435.9	4415.1	4415.1	4306.5	4045.9	3686.1
40°	4766.0	4778.7	4770.5	4733.8	4715.5	4680.2	4630.3	4618.3	4500.9	4261.1	3965.1
42.5°	4957.3	4973.7	5006.5	4985.1	4947.8	4952.9	4852.5	4846.2	4760.4	4579.2	4315.4
45°	5228.7	5252.7	5308.2	5291.8	5284.2	5256.5	5137.2	5131.5	5098.7	5007.1	4750.3
47.5°	5524.7	5557.5	5657.9	5661.0	5742.5	5690.1	5527.9	5508.3	5515.9	5519.7	5281.1
50°	5797.4	5833.4	5998.1	6075.7	6267.6	6279.0	6019.6	6001.9	6031.6	6118.7	5899.6
52.5°	6015.1	6060.6	6266.3	6506.2	6835.0	6928.5	6624.9	6611.6	6633.7	6783.9	6599.0
55°	6174.8	6224.1	6448.1	6884.9	7410.0	7574.8	7321.7	7309.1	7322.9	7514.2	7359.6
57.5°	6212.1	6224.1	6549.1	7139.9	7895.4	8291.2	8174.4	8149.2	8081.0	8247.6	8199.0
60°	6037.2	6085.2	6465.8	7229.5	8271.0	8997.5	9065.6	9034.1	8842.8	8979.2	8940.0
62.5°	5682.5	5768.3	6154.6	7093.2	8418.0	9574.4	9939.8	9901.9	9572.5	9660.8	9472.7
65°	5103.1	5139.7	5545.5	6623.0	8231.2	9943.6	10719.3	10700.4	10285.7	10147.5	9571.2
67.5°	4066.7	4135.5	4480.1	5640.2	7466.9	9900.0	11322.1	11320.2	10751.5	10328.0	9222.2
69°	3212.7	3284.0	3612.2	4646.1	6607.2	9501.8	11423.1	11445.2	10882.8	10218.2	8723.5
70°	2561.3	2644.0	2869.3	3913.3	5844.1	8976.6	11339.1	11378.9	10857.5	10037.0	8263.4
72.5°	1090.0	1157.0	1317.3	2017.2	3561.7	6703.1	10367.8	10518.0	10272.4	9186.2	6829.4
75°	475.9	496.7	569.3	822.4	1581.1	3648.2	8122.0	8399.7	8783.5	7764.8	5087.3
77.5°	348.4	357.2	397.0	482.9	709.4	1377.9	5223.0	5384.6	6334.5	5650.3	3120.6
80°	269.5	275.8	306.8	354.7	463.3	557.3	2382.1	2520.9	3561.7	2902.2	1299.6
82.5°	214.6	219.0	240.5	261.3	320.0	337.7	790.9	877.3	1314.7	801.6	344.0
85°	199.5	204.5	212.1	190.6	205.1	198.2	342.1	357.9	397.0	315.0	143.9
87.5°	90.3	106.7	210.2	148.3	109.2	87.1	140.1	146.4	164.7	165.4	63.7
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

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CATALOG NUMBER: GLEON-SA4B-830-U-T3

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	2395.3	2395.3	2395.3	2395.3	2395.3	2395.3	2395.3	2395.3	2395.3	2395.3	2395.3
2.5°	2401.0	2399.1	2402.3	2394.7	2404.2	2403.5	2400.4	2401.6	2407.9	2407.3	2407.9
5°	2415.5	2414.3	2418.0	2412.4	2423.7	2427.5	2428.1	2433.8	2440.8	2442.7	2442.7
7.5°	2452.1	2452.1	2454.0	2446.5	2454.0	2453.4	2450.2	2455.9	2462.9	2463.5	2462.9
10°	2515.2	2515.9	2512.7	2493.2	2486.8	2469.8	2454.0	2454.7	2463.5	2470.4	2472.3
12.5°	2594.8	2592.3	2578.4	2542.4	2515.9	2481.2	2464.8	2464.1	2473.0	2478.6	2480.5
15°	2685.7	2678.7	2642.7	2584.0	2537.3	2503.3	2476.7	2470.4	2465.4	2459.1	2459.7
17.5°	2771.5	2755.7	2695.8	2614.3	2565.1	2519.7	2468.5	2427.5	2399.1	2382.7	2377.7
20°	2858.6	2827.7	2741.2	2642.7	2580.3	2497.6	2399.1	2315.8	2264.0	2240.1	2235.6
22.5°	2938.1	2888.3	2783.5	2672.4	2568.3	2423.1	2268.5	2147.3	2075.3	2043.1	2045.7
25°	3015.8	2946.3	2827.7	2693.2	2507.7	2291.8	2086.7	1937.7	1854.4	1818.4	1817.2
27.5°	3083.9	3005.0	2875.7	2676.2	2394.7	2105.0	1871.4	1726.3	1656.8	1625.9	1620.9
30°	3162.2	3078.9	2939.4	2611.2	2229.3	1889.1	1661.3	1559.0	1509.8	1478.9	1473.2
32.5°	3257.5	3179.3	2991.8	2493.2	2017.9	1663.8	1497.2	1425.8	1381.0	1346.3	1340.0
35°	3396.4	3311.8	3005.0	2324.0	1785.6	1485.8	1376.6	1303.4	1242.8	1198.0	1193.6
37.5°	3570.6	3477.8	2974.7	2105.0	1560.3	1370.3	1276.2	1186.0	1107.1	1044.0	1033.9
40°	3821.8	3681.7	2890.8	1852.5	1394.3	1281.3	1178.4	1075.5	977.7	903.8	889.3
42.5°	4123.5	3920.9	2762.0	1601.3	1272.5	1191.0	1081.2	953.7	860.3	807.9	800.3
45°	4507.3	4169.6	2583.4	1381.7	1152.5	1100.8	976.4	859.0	801.0	762.5	756.2
47.5°	4945.3	4448.6	2396.0	1203.0	1050.9	1016.2	892.5	816.7	770.7	740.4	734.7
50°	5483.7	4763.5	2197.1	1056.6	948.7	914.6	852.7	793.4	756.8	733.4	727.7
52.5°	6090.9	5118.9	2053.9	941.1	864.1	839.5	831.9	780.8	751.1	733.4	727.7
55°	6744.8	5480.5	1899.2	843.9	790.9	797.8	818.0	782.0	761.8	740.4	732.2
57.5°	7399.3	5854.2	1726.9	761.8	732.8	766.9	808.5	784.6	767.5	746.7	739.1
60°	7916.9	6090.9	1459.9	693.0	686.7	732.8	785.8	765.6	743.5	744.2	742.9
62.5°	8158.6	6078.3	1165.2	631.8	640.6	686.7	749.2	736.0	717.7	742.3	744.2
65°	8022.9	5775.3	907.0	576.3	591.4	638.8	711.3	721.4	727.7	775.1	781.4
67.5°	7453.6	5185.8	702.5	527.7	546.6	605.9	715.1	785.8	794.0	843.9	843.3
69°	*6864.7*	*4632.9*	*610.4*	*502.4*	*524.5*	*614.1*	*764.4*	*826.8*	*795.9*	*848.9*	*841.4*
70°	6371.1	4195.4	561.1	485.4	514.4	628.7	797.2	826.2	786.4	831.9	819.3
72.5°	4906.8	3018.3	475.9	453.8	480.3	601.5	806.6	807.9	764.4	773.2	751.7
75°	3365.4	1907.4	415.3	410.9	428.6	542.2	776.4	771.9	706.9	694.3	676.6
77.5°	1855.7	968.9	352.8	369.9	381.9	480.3	705.7	699.3	645.7	619.2	612.9
80°	715.8	424.2	297.9	328.8	336.4	415.9	618.6	612.9	568.1	534.0	524.5
82.5°	270.1	222.2	246.2	284.7	282.1	343.4	523.9	520.7	477.2	427.3	412.2
85°	125.0	133.2	195.0	234.8	216.5	254.4	419.1	424.8	371.8	312.4	312.4
87.5°	53.0	74.5	138.2	177.4	145.8	171.7	307.4	293.5	269.5	186.8	175.5
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

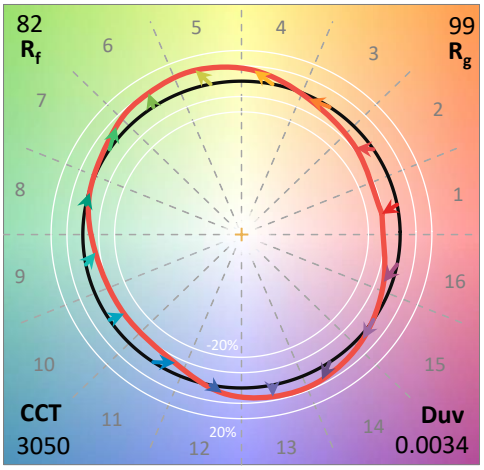
Test Information

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

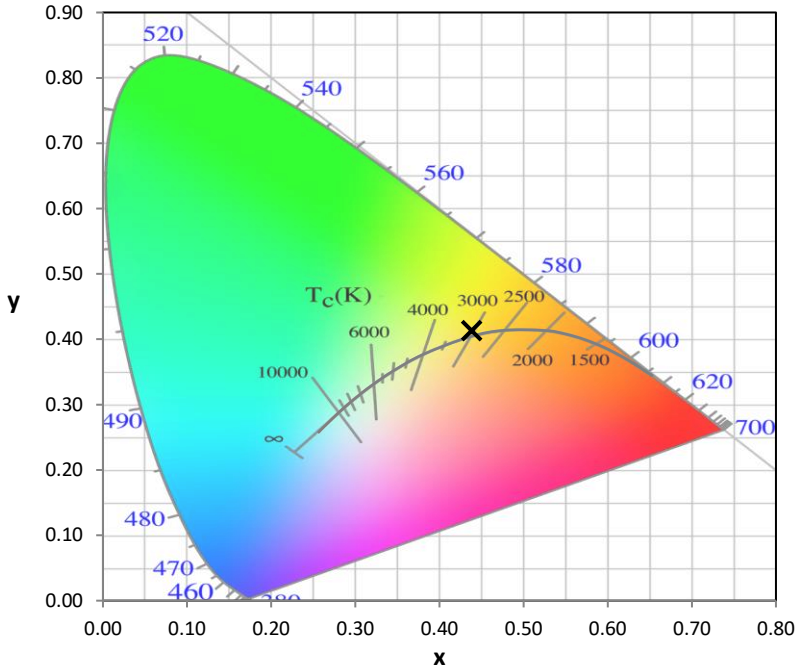
Stabilization Time:	20M
Operation Time:	1H 20M
Sphere Temperature (°C):	24.2

REPORT NUMBER: SP1-2408-195-9

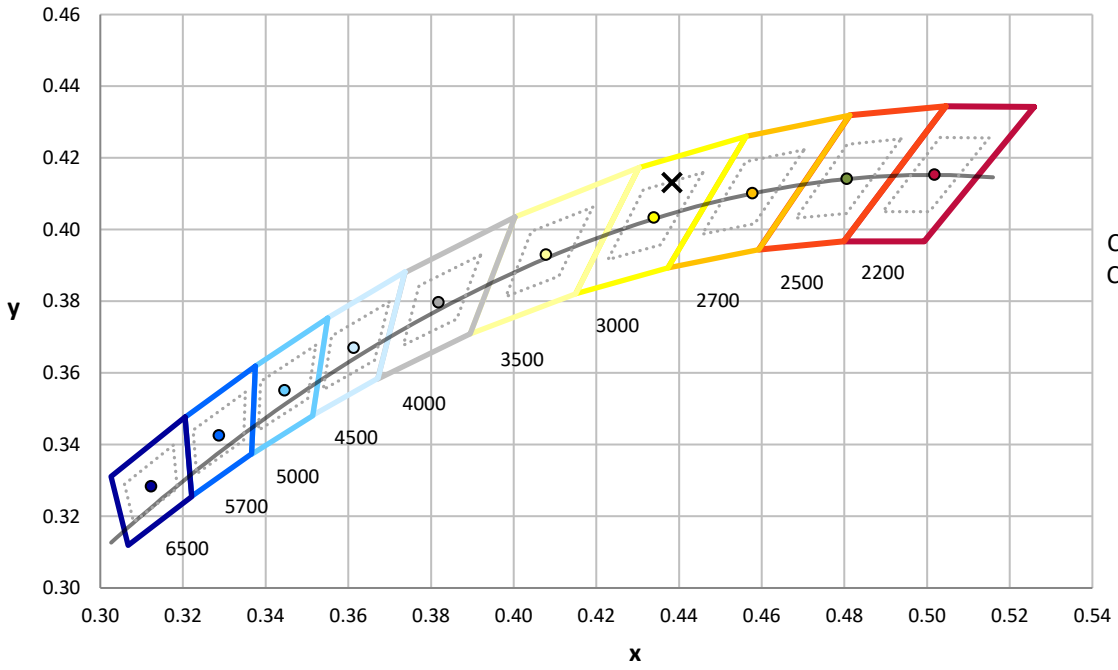
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085	10/24/2023	10/24/2024
Room Thermometer	IN0046	10/24/2023	10/24/2024

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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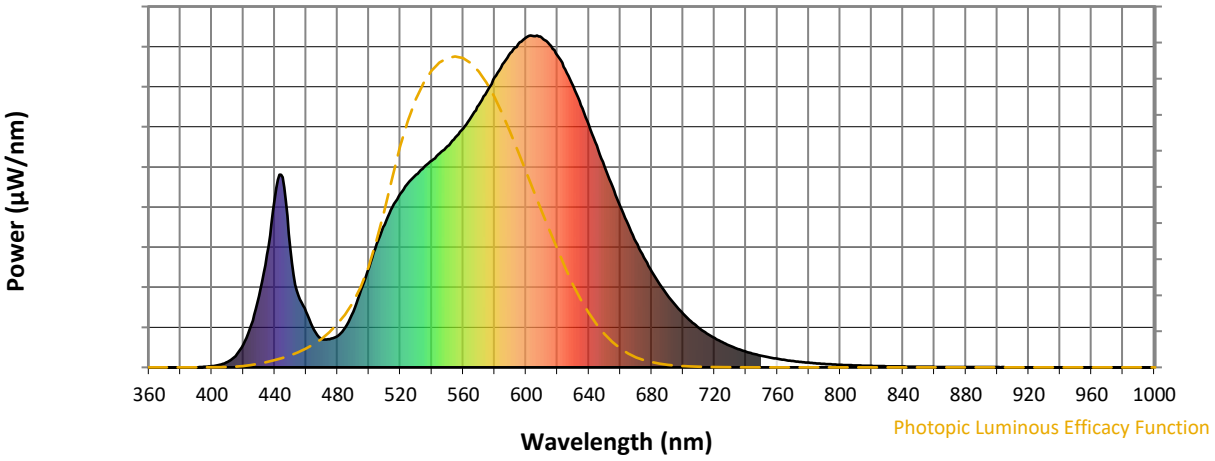
Photopic Flux vs. Wavelength



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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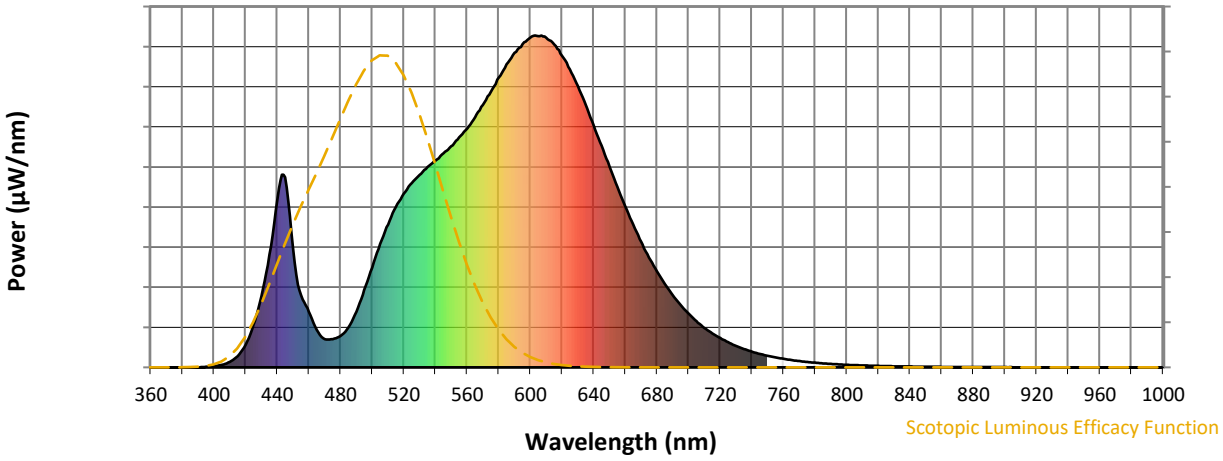
Scotopic Flux vs. Wavelength



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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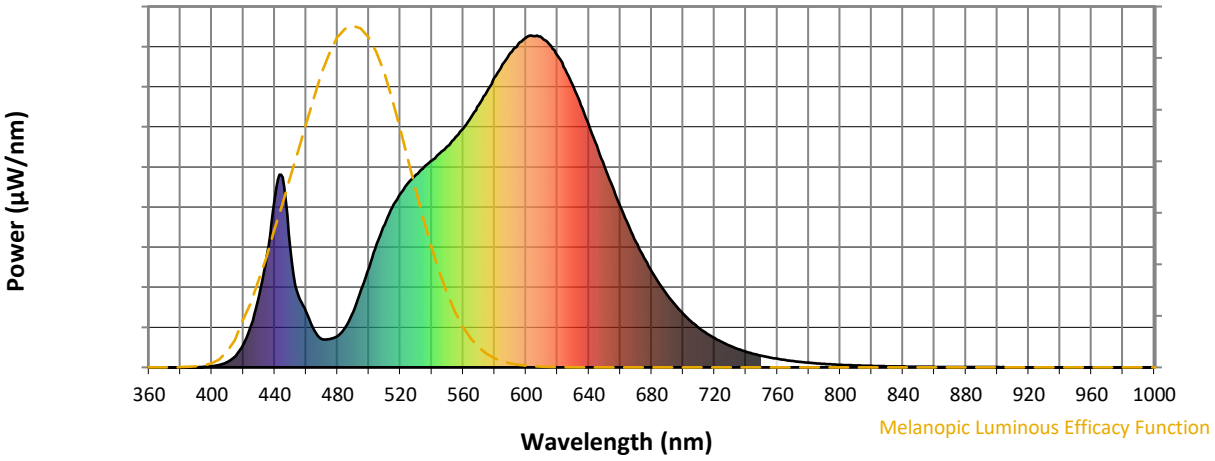
Melanopic Flux vs. Wavelength



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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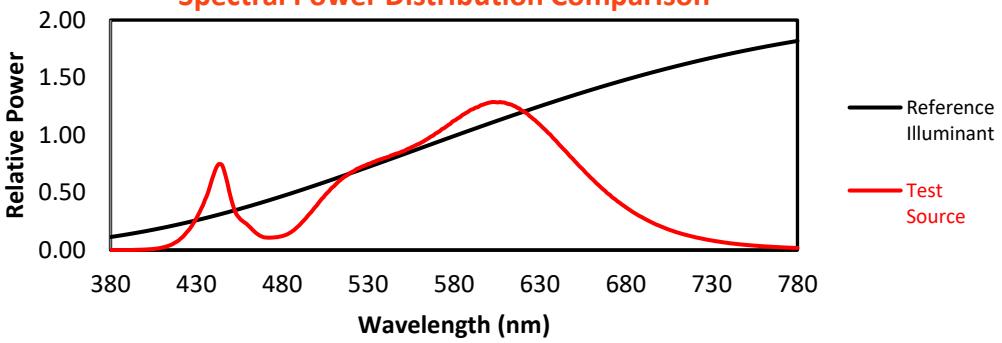
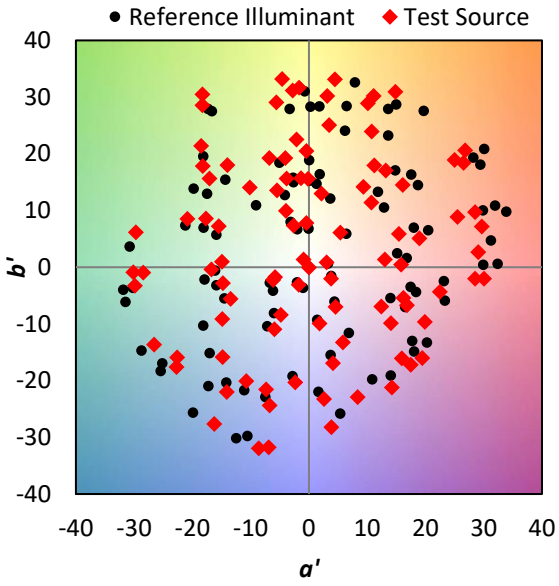
Summary

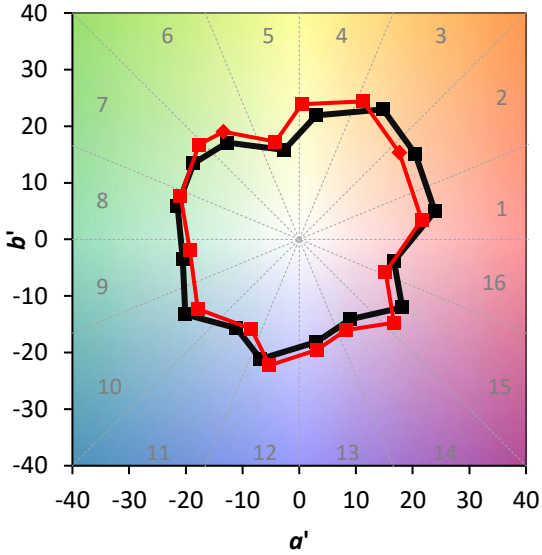
R_f = 81.5
R_g = 99.2
CIE R_a = 81.0
R_9 = 7.1

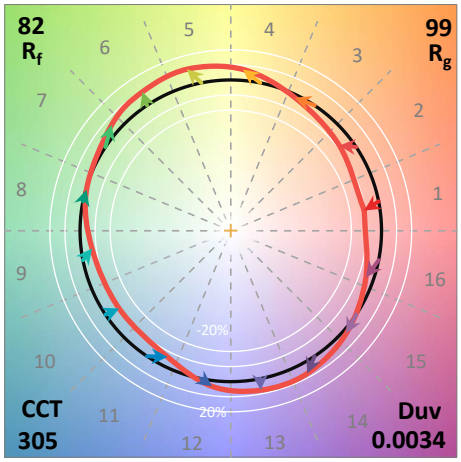
Spectral Power Distribution Comparison

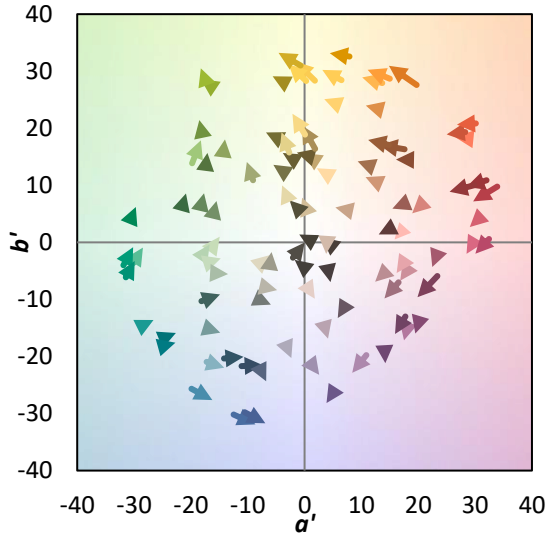


Color Vector Graphics









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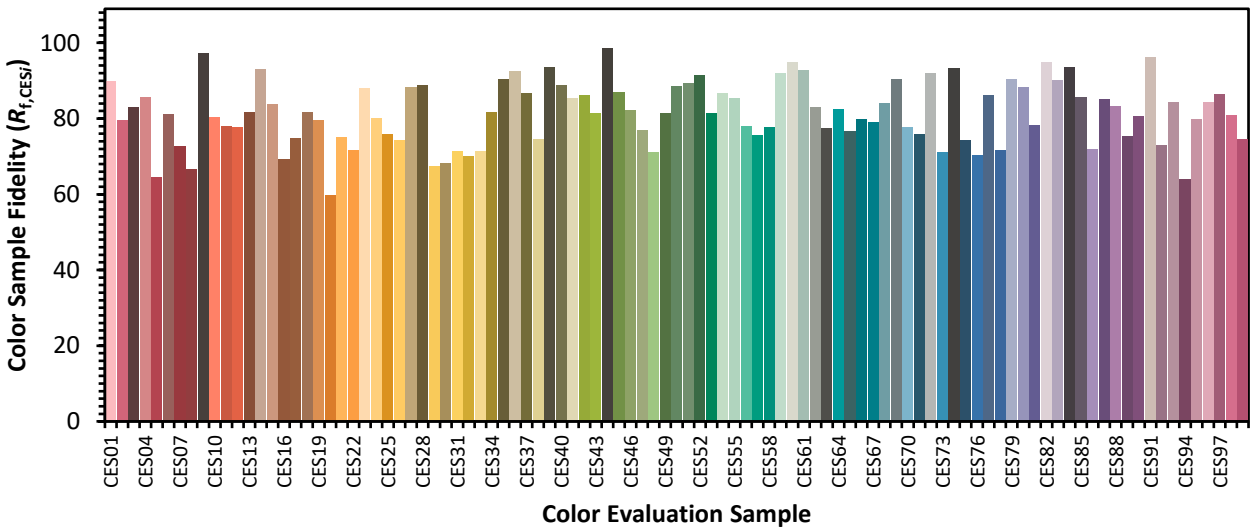
Individual Sample Fidelity Index ($R_{f,i}$)

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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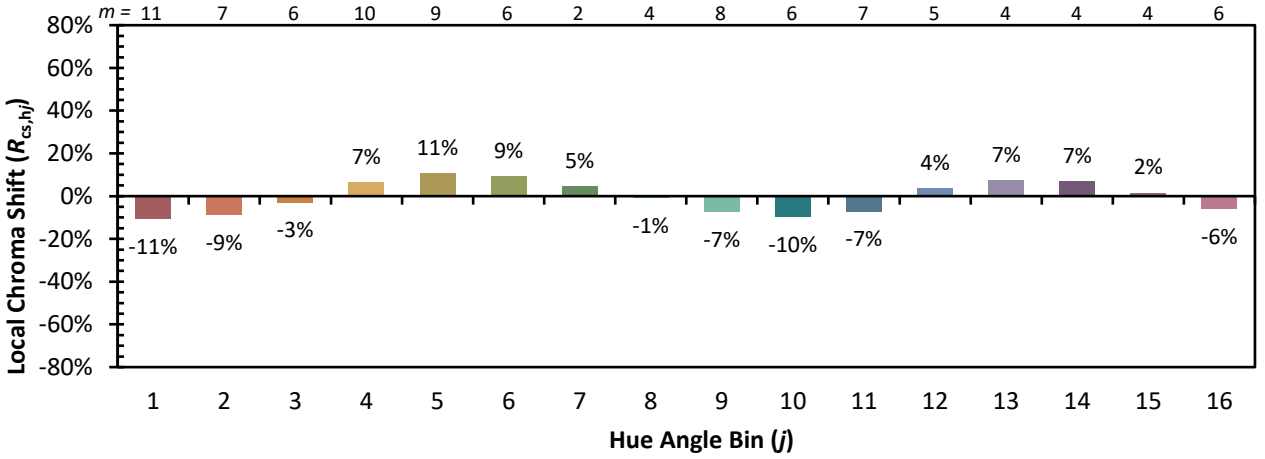
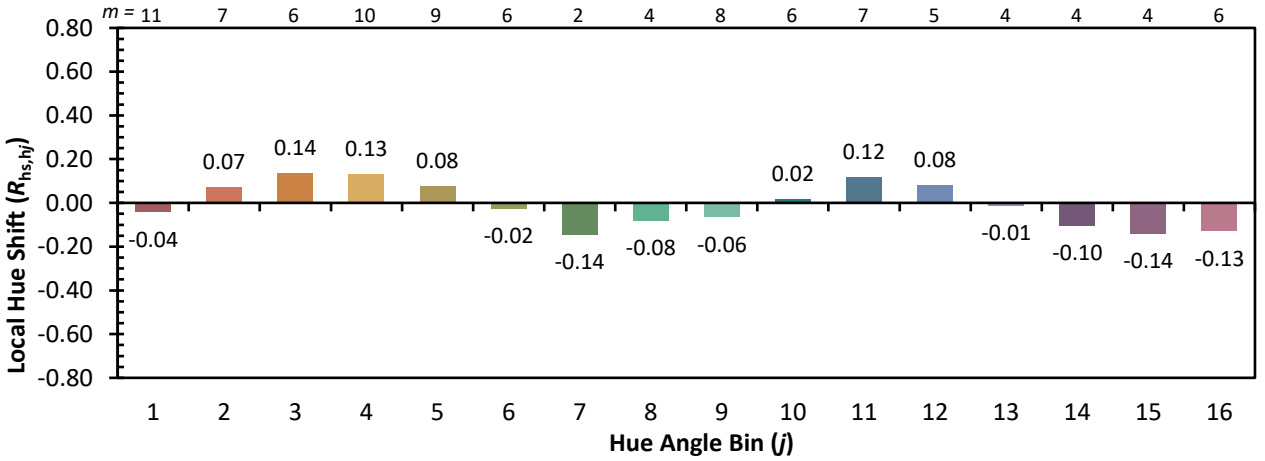
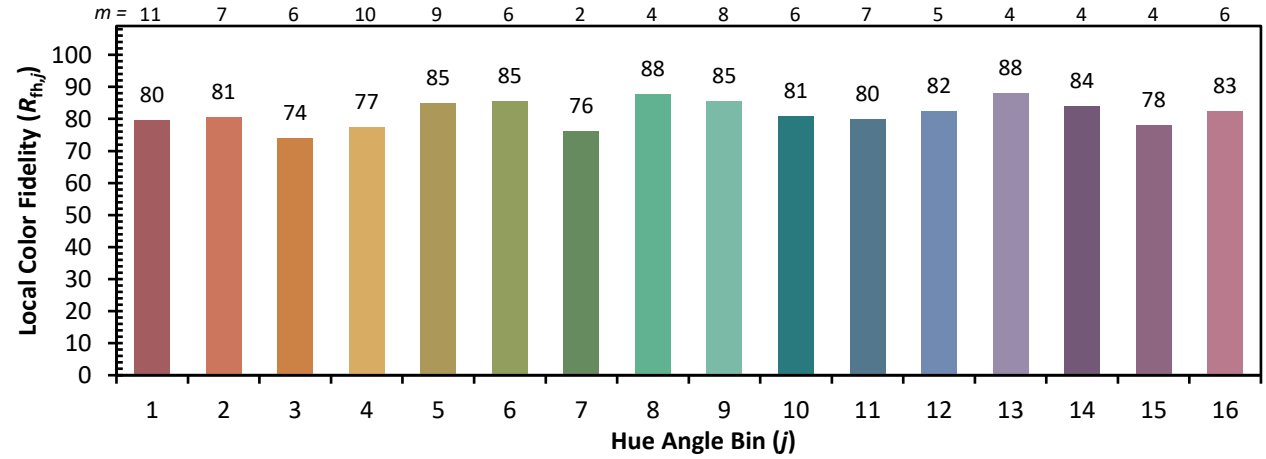
Color Rendition by Hue-Angle Bin







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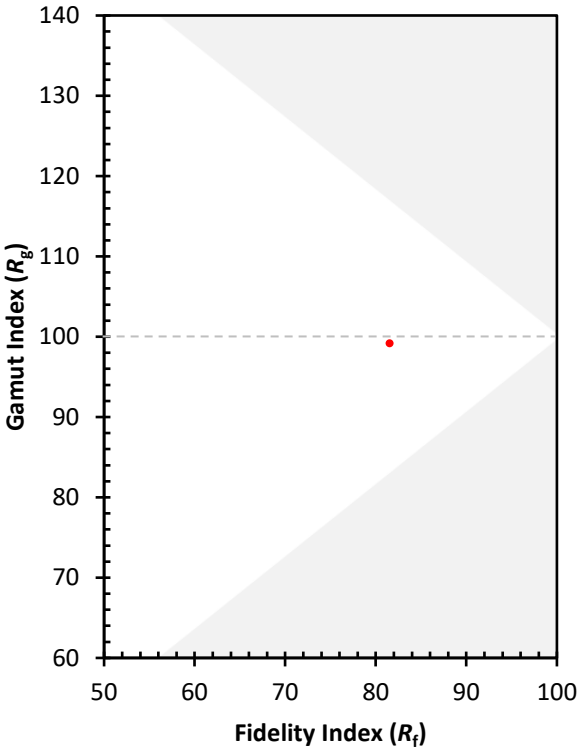
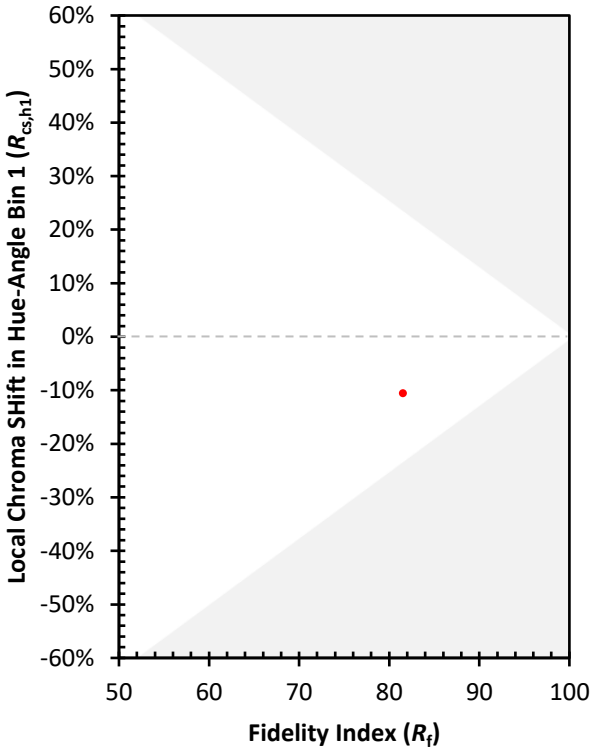
Measure Comparisons





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