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: P320167

Luminaire Tested: **GLEON-SA3C-830-U-SL4**

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:	P320167
	TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-24)
Test Lab:	INNOVATION CENTER
Issue Date:	3/3/2020
Manufacturer:	COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line:	McGRAW-EDISON
Catalog Number:	GLEON-SA3C-830-U-SL4
Description:	GALLEON AREA AND ROADWAY LUMINAIRE
	(3) 80 CRI, 3000K, 1050mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE IV SPILL LIGHT ELIMINATOR OPTICS
Light Source:	-
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	16305 lumens
Efficiency:	N/A
Efficacy:	98.2 lumens/watt
Luminous Opening:	Rectangular (W 1' x L: 1' x H: 0')
IES Classification:	Type IV - Short
BUG Rating:	B2 - U0 - G4

Input Watts (W):	166
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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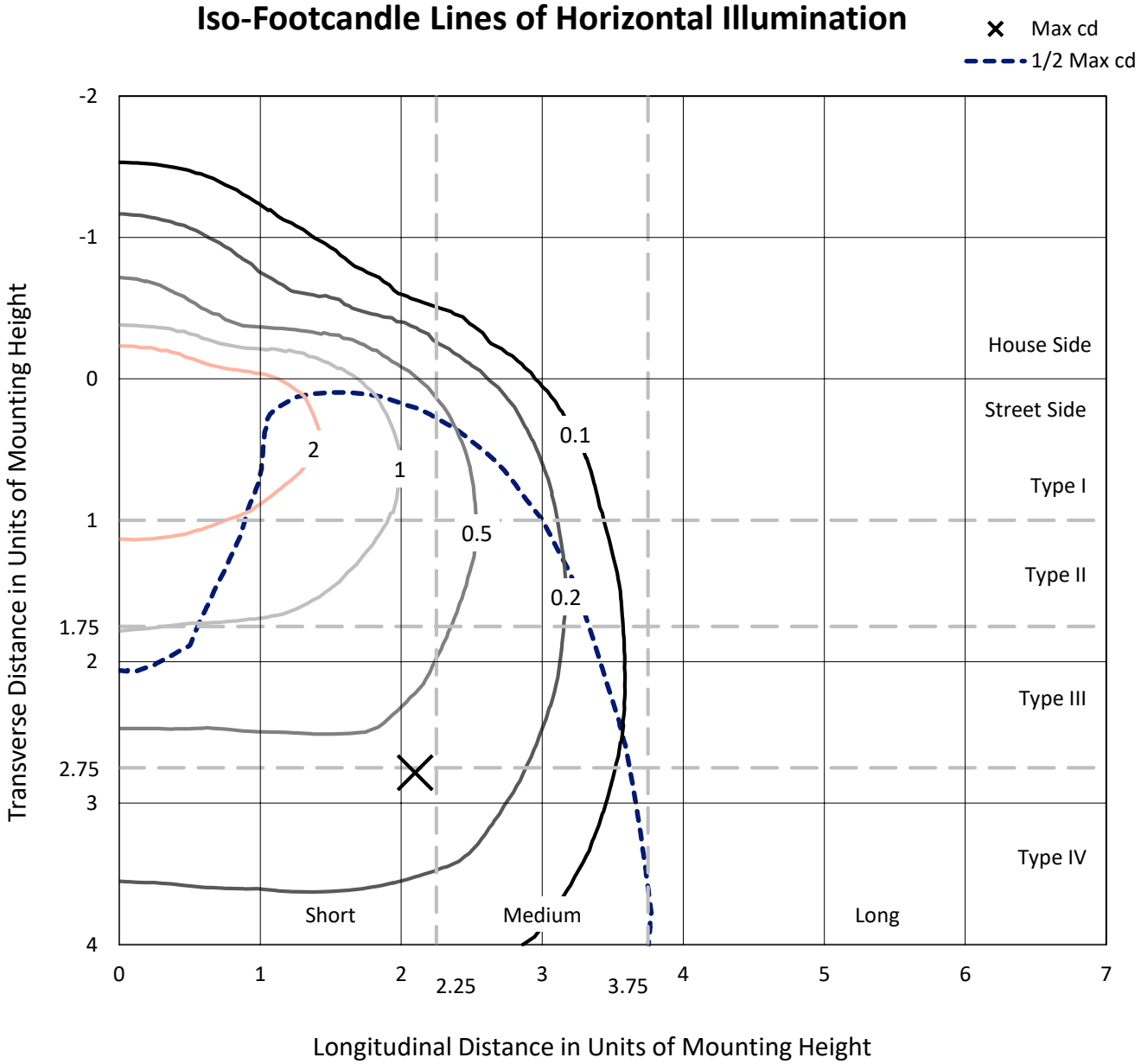
Scaled Data Report

REPORT NUMBER: P320167
CATALOG NUMBER: GLEON-SA3C-830-U-SL4

Iso-Footcandle Lines of Horizontal Illumination



Based on 25 foot mounting height. Maximum calculated value = 4.7 fc
Type IV - Short - N/A

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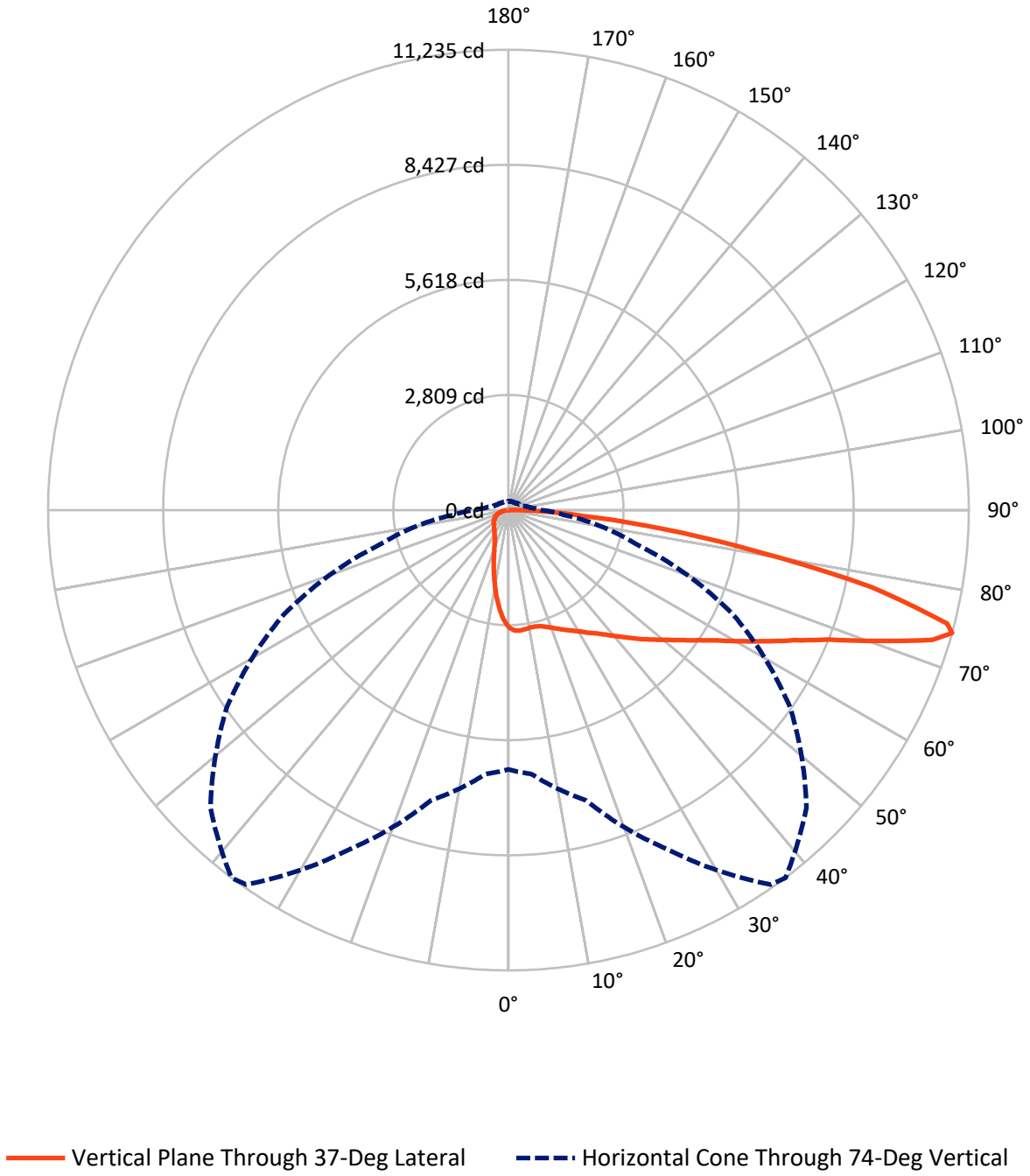
Luminous Intensity Polar Plot



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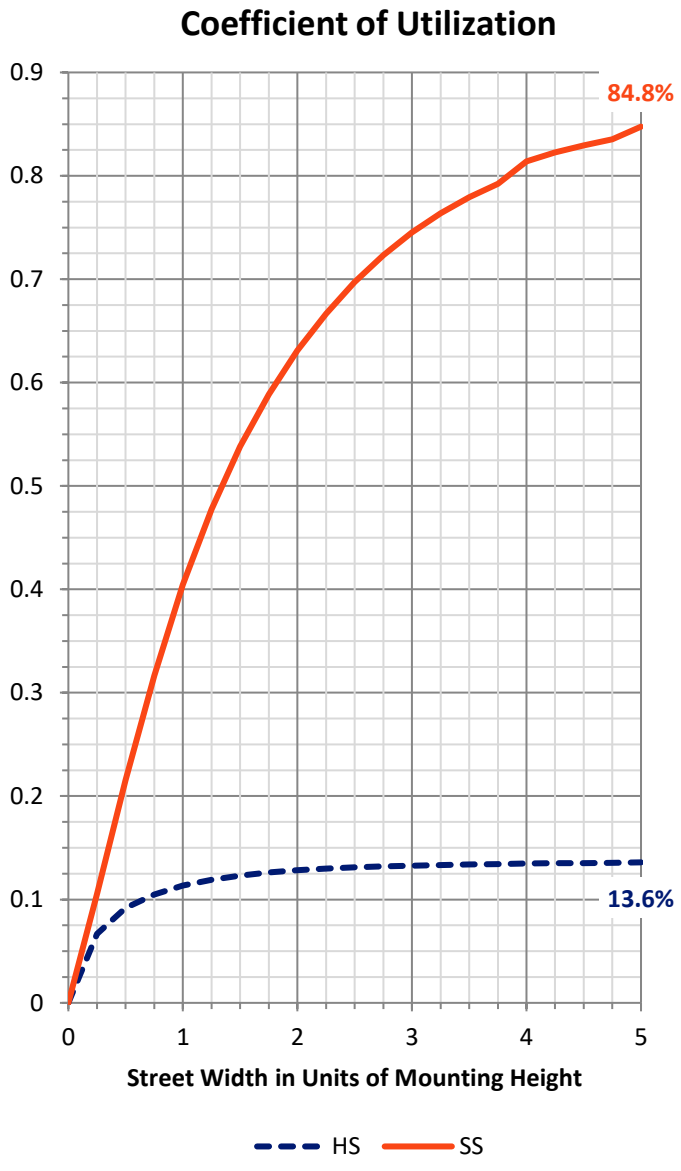
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2243.5	0.0	2243.5
	% Fixture	13.8	0.0	13.8
Street Side	Lumens	14061.5	0.0	14061.5
	% Fixture	86.2	0.0	86.2
Total	Lumens	16305.0	0.0	16305.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	253.0	1.6
10°-20°	648.5	4.0
20°-30°	999.2	6.1
30°-40°	1453.0	8.9
40°-50°	2138.5	13.1
50°-60°	3003.1	18.4
60°-70°	3801.0	23.3
70°-80°	3347.0	20.5
80°-90°	661.8	4.1
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°	16305.0	100.0
0°-180°	16305.0	100.0



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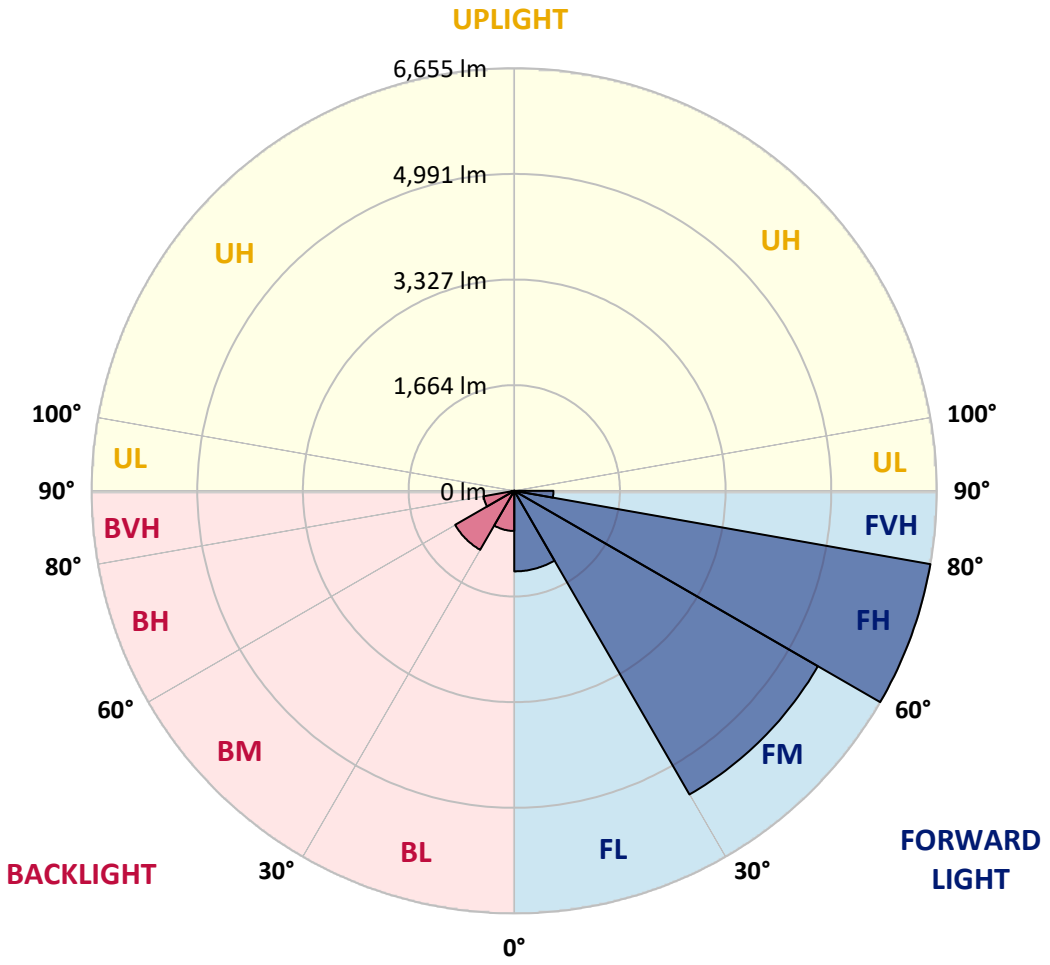
Scaled Data Report

REPORT NUMBER: P320167
CATALOG NUMBER: GLEON-SA3C-830-U-SL4

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	1268.7	7.8			
FM	(30°-60°)	5521.0	33.9			
FH	(60°-80°)	6654.9	40.8			G3/7500
FVH	(80°-90°)	617.0	3.8			G4/750
BL	(0°-30°)	631.9	3.9	B2/1000		
BM	(30°-60°)	1073.6	6.6	B2/2500		
BH	(60°-80°)	493.1	3.0	B1/500		G1/500
BVH	(80°-90°)	44.8	0.3			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G4
Type IV Short



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Scaled Data Report

REPORT NUMBER: P320167
CATALOG NUMBER: GLEON-SA3C-830-U-SL4

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	37°	45°	55°	65°	75°	85°
0°	2872.9	2872.9	2872.9	2872.9	2872.9	*2872.9*	2872.9	2872.9	2872.9	2872.9	2872.9
2.5°	2971.1	2971.7	2971.1	2966.5	2955.6	*2946.4*	2938.9	2928.0	2903.9	2885.5	2857.9
5°	2999.2	2995.8	2993.5	2984.9	2967.6	*2957.3*	2942.9	2922.3	2882.6	2845.9	2801.1
7.5°	2986.0	2982.0	2976.8	2966.5	2947.0	*2938.4*	2918.3	2891.3	2843.6	2795.3	2731.0
10°	2945.2	2944.1	2941.8	2939.5	2922.8	*2916.0*	2897.6	2868.9	2821.8	2763.2	2687.9
12.5°	2899.9	2902.7	2911.9	2924.0	2916.5	*2913.1*	2901.6	2882.1	2833.8	2770.6	2679.9
15°	2871.2	2879.2	2903.9	2935.5	2941.8	*2940.7*	2937.8	2925.1	2874.0	2804.0	2698.3
17.5°	2861.4	2874.6	2921.7	2974.0	2992.3	*2996.4*	2997.5	2975.7	2918.8	2844.7	2717.2
20°	2879.2	2895.9	2964.8	3036.6	3065.9	*3068.2*	3063.0	3025.1	2961.3	2879.8	2727.6
22.5°	2933.2	2948.1	3034.3	3115.3	3148.6	*3152.0*	3136.5	3079.1	3006.1	2921.1	2741.9
25°	3037.1	3055.5	3141.7	3222.7	3239.9	*3240.5*	3218.1	3146.8	3064.7	2979.1	2772.9
27.5°	3172.7	3191.1	3268.6	3347.9	3338.7	*3333.5*	3303.1	3231.8	3141.1	3059.0	2828.1
30°	3323.7	3343.8	3417.4	3473.6	3451.8	*3441.5*	3416.8	3324.9	3247.4	3168.1	2912.5
32.5°	3480.0	3498.3	3562.7	3601.1	3573.6	*3569.0*	3531.7	3447.8	3385.8	3334.7	3049.2
35°	3640.2	3653.4	3716.6	3738.4	3701.7	*3700.5*	3690.2	3613.2	3574.2	3598.3	3247.9
37.5°	3803.9	3807.3	3861.3	3862.5	3851.6	*3856.2*	3867.1	3818.8	3829.7	3905.0	3506.4
40°	3949.8	3959.0	3998.0	4010.1	4029.0	*4045.1*	4099.7	4068.1	4152.5	4285.8	3828.0
42.5°	4057.8	4075.6	4138.2	4169.2	4230.6	*4255.9*	4332.9	4362.2	4532.2	4732.0	4210.5
45°	4149.1	4176.6	4277.2	4340.9	4444.9	*4489.1*	4599.4	4697.6	4961.2	5216.2	4613.1
47.5°	4247.9	4282.9	4408.7	4530.4	4671.7	*4721.7*	4922.1	5069.2	5419.0	5703.3	4992.8
50°	4393.2	4420.2	4543.1	4734.3	4910.7	*4975.0*	5252.4	5463.2	5884.2	6167.3	5321.9
52.5°	4595.9	4585.6	4689.5	4957.8	5194.4	*5273.6*	5605.0	5882.4	6355.7	6587.2	5599.9
55°	4799.8	4782.6	4855.5	5191.5	5525.2	*5608.5*	5993.3	6303.4	6804.3	6965.1	5813.0
57.5°	5026.7	4993.9	5055.4	5455.1	5902.0	*6001.3*	6428.1	6750.9	7245.4	7270.6	5948.5
60°	5260.4	5216.2	5285.1	5781.9	6380.4	*6497.6*	6936.9	7187.4	7661.2	7515.3	5992.1
62.5°	5464.9	5433.9	5540.1	6146.6	6919.7	*7048.4*	7436.6	7651.4	8071.3	7617.0	5834.8
65°	5643.5	5648.7	5832.5	6556.7	7521.1	*7658.3*	8009.8	8223.5	8394.1	7556.7	5466.6
67.5°	5856.6	5885.9	6199.5	7096.6	8278.0	*8428.5*	8843.8	8847.2	8574.4	7202.9	4741.8
70°	6167.3	6227.6	6704.3	7845.6	9354.4	*9561.1*	9881.6	9213.7	8321.1	6243.7	3731.0
72.5°	6443.0	6555.6	7241.4	8702.5	10666.2	*10823.0*	10488.7	9002.3	7262.6	4679.2	2324.4
74°	*6331.0*	*6470.6*	*7339.0*	*9124.6*	*11160.1*	*11235.4*	*10283.7*	*8385.4*	*6055.3*	*3240.5*	*1350.9*
75°	6089.8	6241.4	7196.6	9120.6	11097.5	*11055.6*	9788.6	7680.7	4987.0	2210.1	898.9
77.5°	4914.7	5074.9	6063.9	7816.8	9099.4	*9059.7*	7519.3	5152.5	2184.2	724.8	456.6
80°	2857.4	2979.7	3764.3	4964.1	6135.7	*6207.5*	4945.1	2549.5	859.2	407.2	309.6
82.5°	1269.3	1353.7	1818.4	2534.0	3702.8	*3795.3*	2589.7	1335.9	530.7	247.5	186.1
85°	832.8	895.4	1103.9	1206.7	1763.2	*1826.4*	1267.6	1040.1	350.4	136.1	136.7
87.5°	599.0	659.3	820.2	716.2	809.3	*766.2*	689.8	962.6	140.7	77.5	45.9
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: P320167
CATALOG NUMBER: GLEON-SA3C-830-U-SL4

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	2872.9	2872.9	2872.9	2872.9	2872.9	2872.9	2872.9	2872.9	2872.9	2872.9	2872.9
2.5°	2845.9	2836.7	2816.0	2777.0	2755.1	2736.8	2706.3	2688.5	2680.5	2679.9	2683.3
5°	2775.2	2754.0	2700.6	2635.1	2582.8	2535.2	2476.0	2440.4	2415.1	2400.2	2404.2
7.5°	2693.1	2659.8	2575.9	2471.4	2387.6	2295.1	2203.8	2149.2	2106.7	2075.1	2080.9
10°	2636.8	2590.9	2468.5	2318.1	2178.5	2044.1	1918.3	1843.1	1783.3	1737.4	1740.8
12.5°	2617.9	2555.8	2386.4	2185.4	1989.5	1805.7	1641.5	1526.0	1464.6	1412.3	1416.3
15°	2620.7	2537.5	2317.5	2065.9	1819.5	1588.1	1388.8	1253.8	1170.5	1134.3	1134.9
17.5°	2623.0	2516.2	2245.1	1937.8	1651.2	1384.7	1168.2	1031.5	952.8	919.5	920.1
20°	2615.6	2481.7	2155.5	1790.8	1475.5	1198.1	988.4	872.4	812.7	786.9	786.9
22.5°	2605.8	2441.0	2054.4	1643.2	1302.0	1036.1	859.8	771.3	736.9	719.7	719.1
25°	2610.4	2410.5	1951.1	1491.6	1142.4	906.9	774.2	715.6	692.7	681.7	681.2
27.5°	2635.1	2396.2	1855.7	1340.5	1002.8	809.8	716.8	675.4	660.5	653.6	653.6
30°	2679.9	2396.2	1756.3	1211.9	886.8	738.0	672.6	644.4	634.1	629.5	629.5
32.5°	2758.0	2409.4	1660.4	1084.4	794.3	681.7	635.8	616.8	608.8	606.5	606.5
35°	2892.4	2454.2	1566.8	963.8	719.7	635.8	600.8	589.9	584.1	583.5	585.3
37.5°	3081.4	2545.5	1478.9	874.7	666.8	598.5	571.5	562.9	559.4	562.3	564.6
40°	3319.1	2669.6	1399.1	794.3	626.6	568.6	544.5	538.7	537.0	541.0	544.5
42.5°	3606.3	2837.3	1333.6	736.3	595.6	543.3	521.5	514.6	512.9	517.5	522.1
45°	3917.0	3017.6	1287.7	693.2	571.5	524.4	501.4	493.9	490.5	492.8	498.0
47.5°	4199.6	3188.2	1269.3	662.8	548.5	508.3	483.6	474.4	468.7	467.5	471.5
50°	4438.0	3315.1	1277.9	644.4	530.1	490.5	466.4	456.0	447.4	442.2	445.1
52.5°	4611.4	3395.0	1286.0	636.4	515.8	471.0	447.4	437.7	426.2	417.5	417.5
55°	4737.2	3413.3	1268.2	630.1	504.8	449.7	426.2	417.0	405.5	395.7	394.6
57.5°	4786.6	3361.6	1202.1	620.9	497.4	429.6	403.8	396.9	387.1	375.6	375.0
60°	4720.0	3202.0	1074.6	601.3	487.6	413.0	381.4	376.8	372.2	361.3	360.7
62.5°	4452.3	2851.6	909.8	561.7	468.1	395.1	360.7	363.0	363.6	356.1	354.9
65°	3967.0	2370.3	748.9	510.0	438.8	373.9	339.4	350.4	356.7	355.5	353.8
67.5°	3261.7	1844.8	634.7	455.5	400.3	344.6	316.5	329.1	334.3	338.3	337.1
70°	2420.9	1300.9	525.0	398.0	353.8	310.1	286.6	292.9	289.5	294.1	295.8
72.5°	1349.7	780.5	427.9	340.6	305.6	269.9	253.3	252.1	244.7	244.7	244.7
74°	*809.8*	*572.6*	*376.2*	*305.0*	*276.3*	*243.5*	*229.2*	*224.0*	*217.1*	*217.7*	*217.1*
75°	651.3	492.2	345.2	281.4	255.6	228.0	213.7	206.8	201.6	201.6	201.0
77.5°	411.2	373.9	278.0	224.0	204.5	187.8	178.0	168.9	168.9	168.3	167.7
80°	310.7	297.5	216.5	169.4	156.8	144.2	137.8	133.8	133.8	135.5	135.0
82.5°	213.1	224.0	152.2	118.3	112.0	102.8	101.7	102.2	100.5	98.2	97.6
85°	155.6	168.3	102.8	74.7	68.3	62.6	67.2	69.5	66.6	61.5	59.2
87.5°	59.7	110.3	55.1	31.0	28.7	24.7	28.7	29.9	32.2	25.3	25.8
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

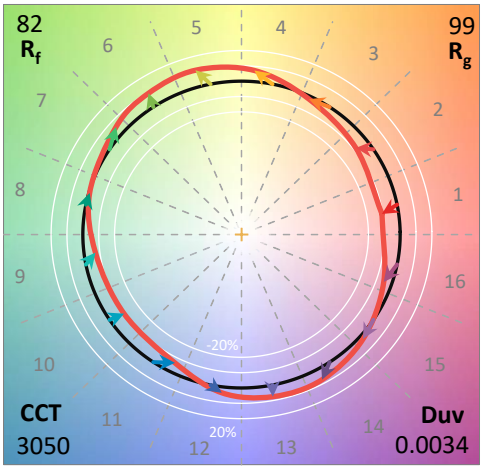
Test Information

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

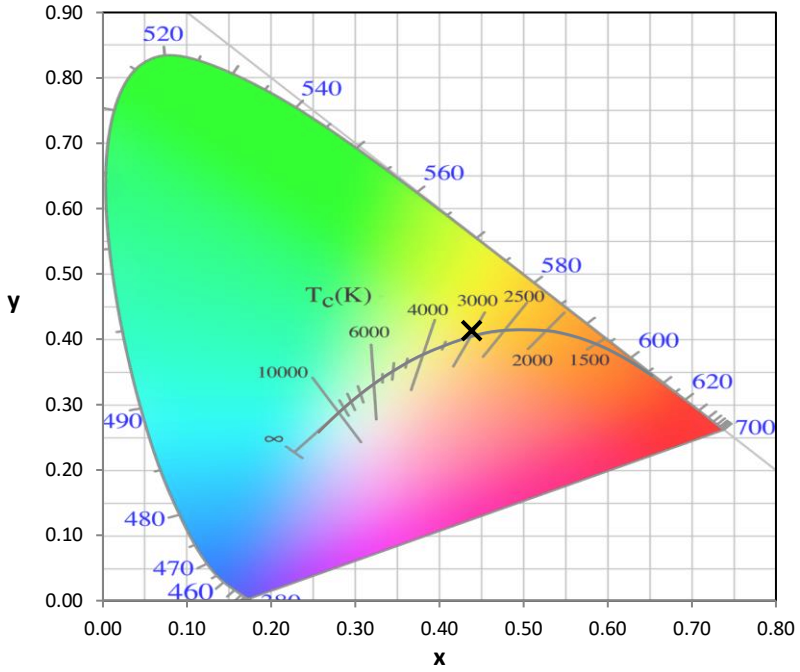
Stabilization Time:	20M
Operation Time:	1H 20M
Sphere Temperature (°C):	24.2

REPORT NUMBER: SP1-2408-195-9

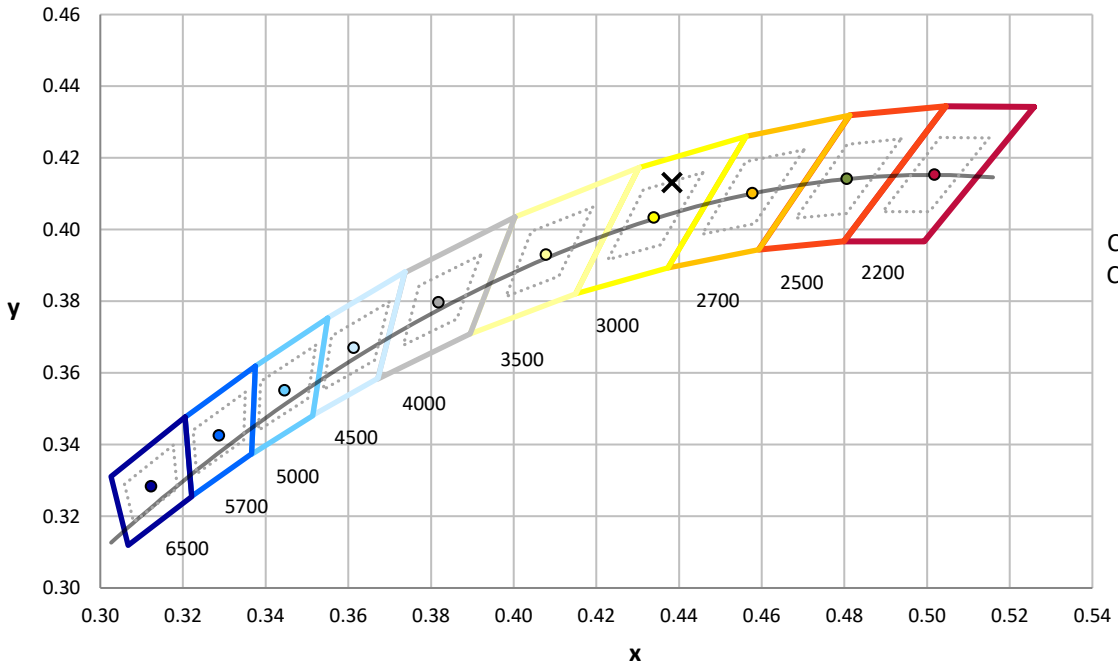
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

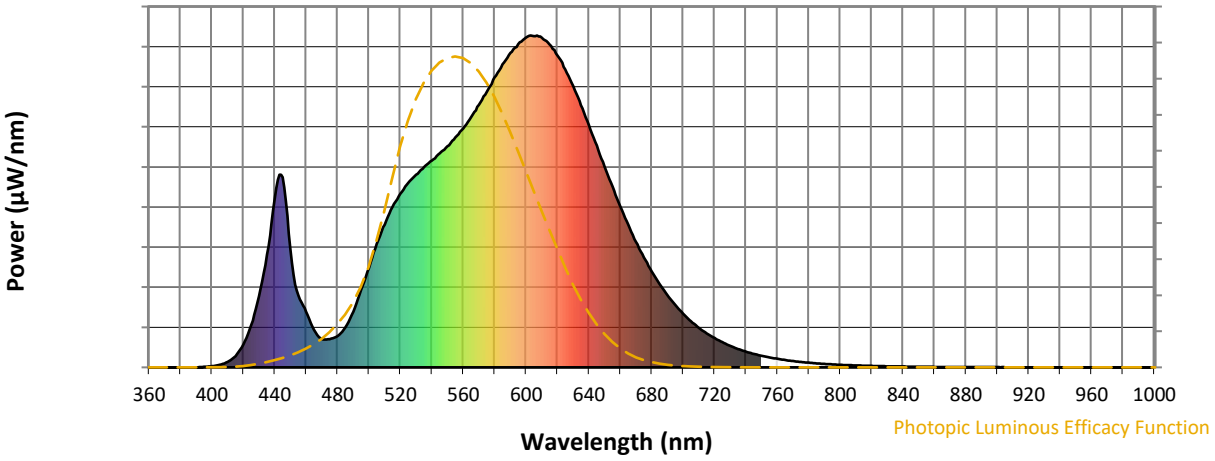


CCT = 3050K
CIE x = 0.4383
CIE y = 0.4131
Duv = 0.0034

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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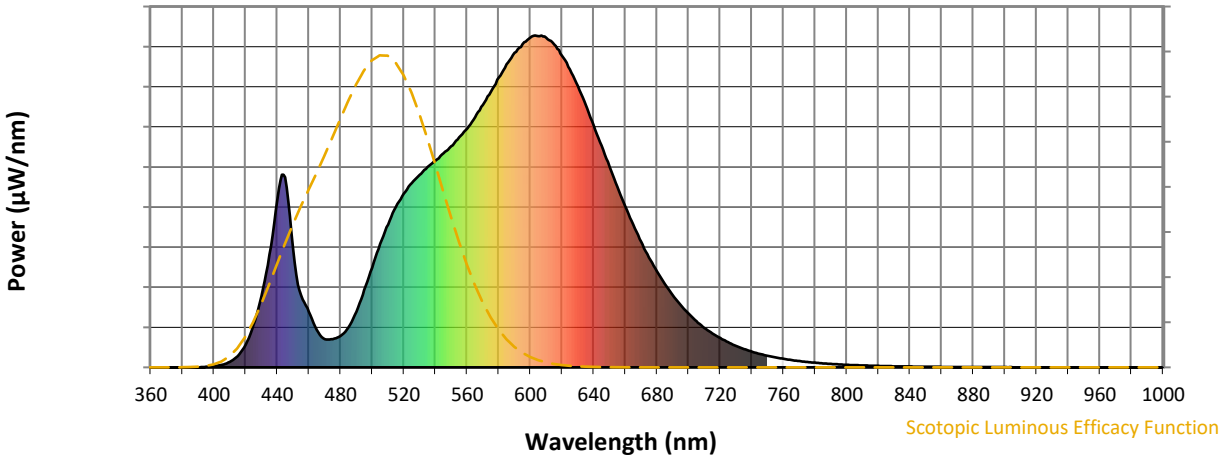
Scotopic Flux vs. Wavelength



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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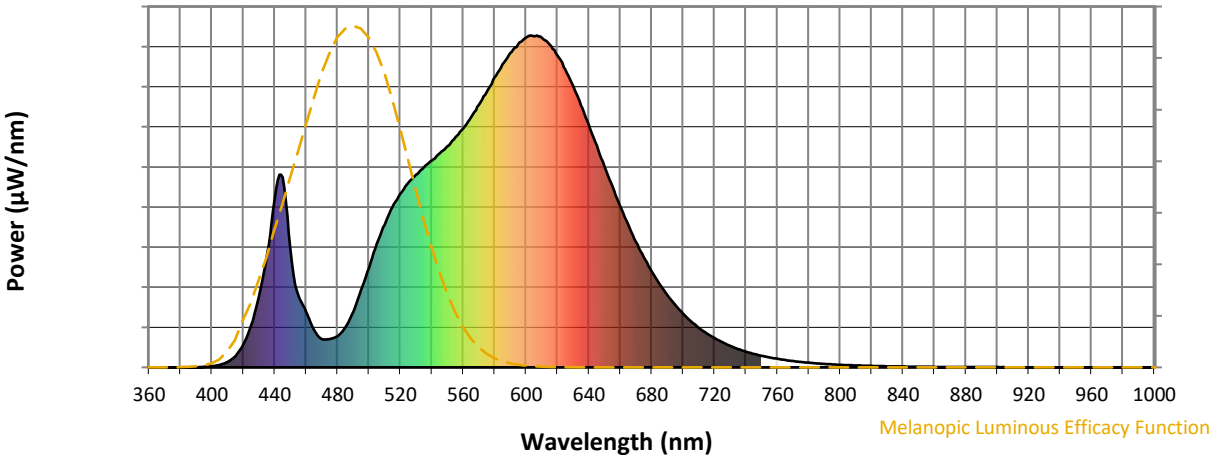
Melanopic Flux vs. Wavelength



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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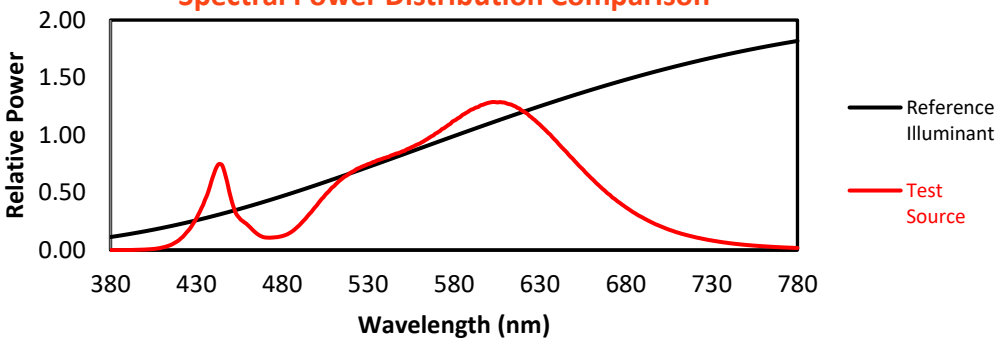
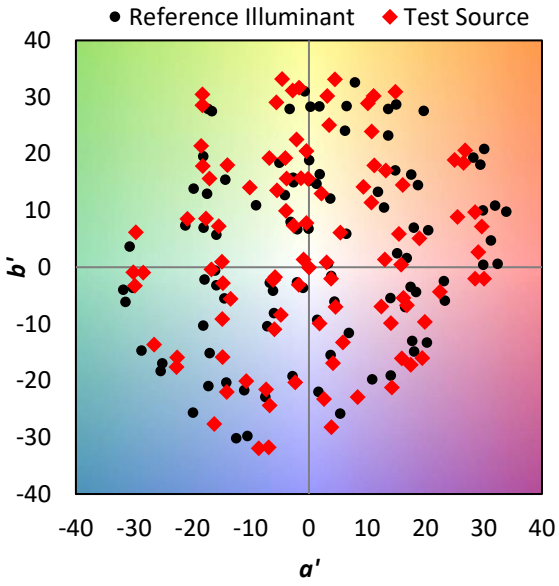
Summary

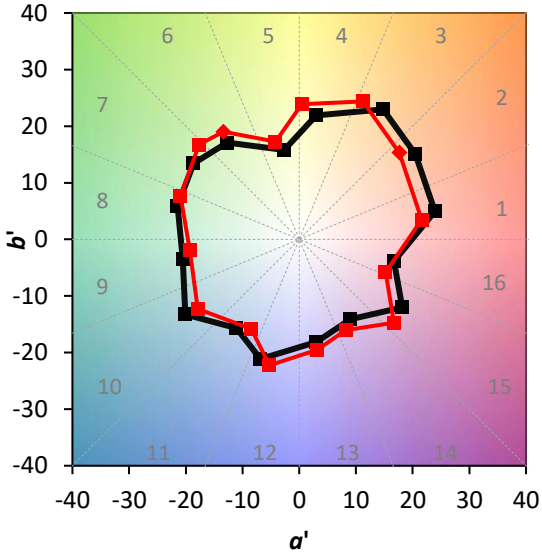
R_f = 81.5
R_g = 99.2
CIE R_a = 81.0
R_9 = 7.1

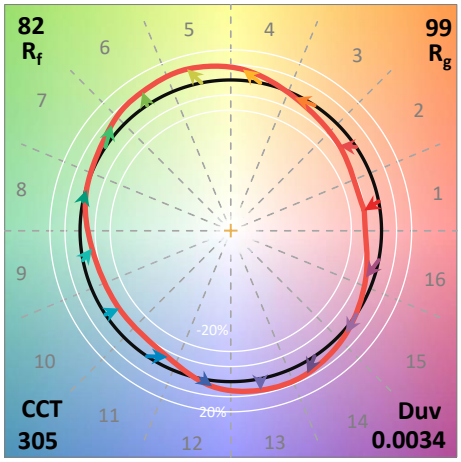
Spectral Power Distribution Comparison

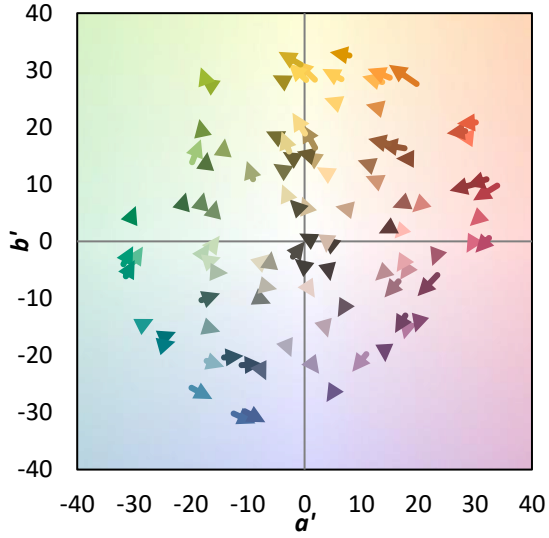


Color Vector Graphics









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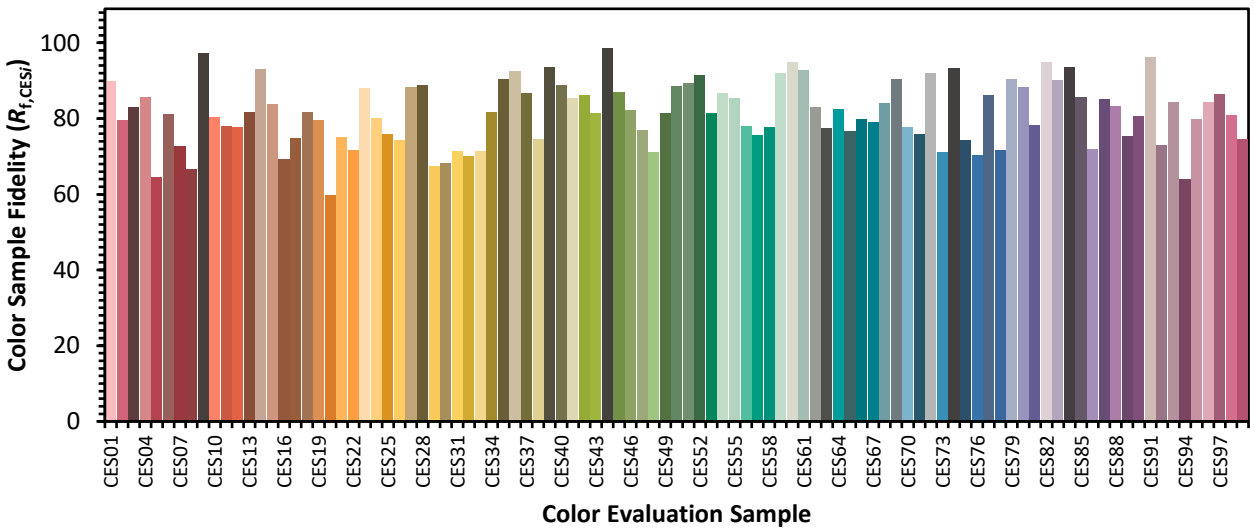
Individual Sample Fidelity Index ($R_{f,i}$)

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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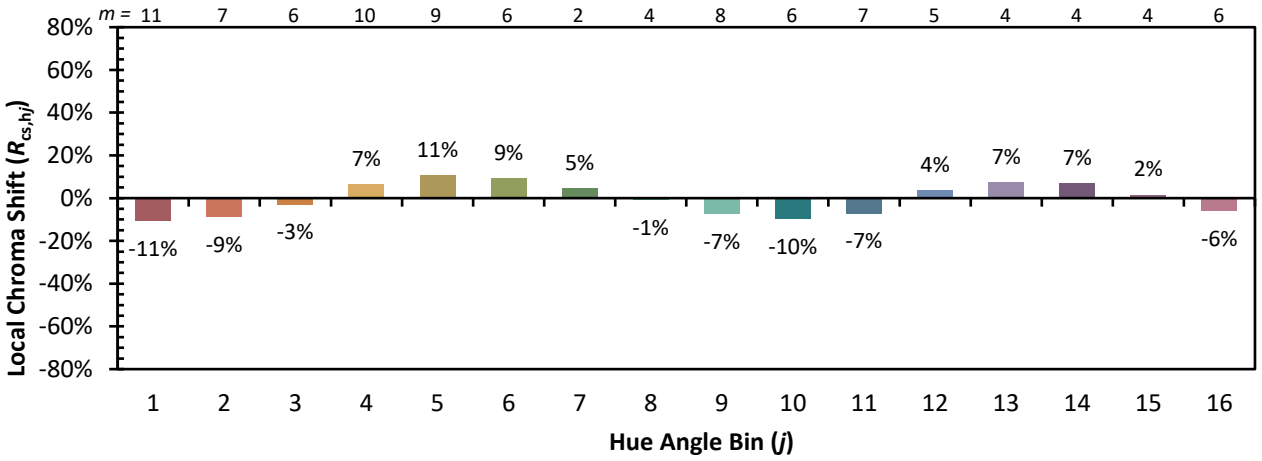
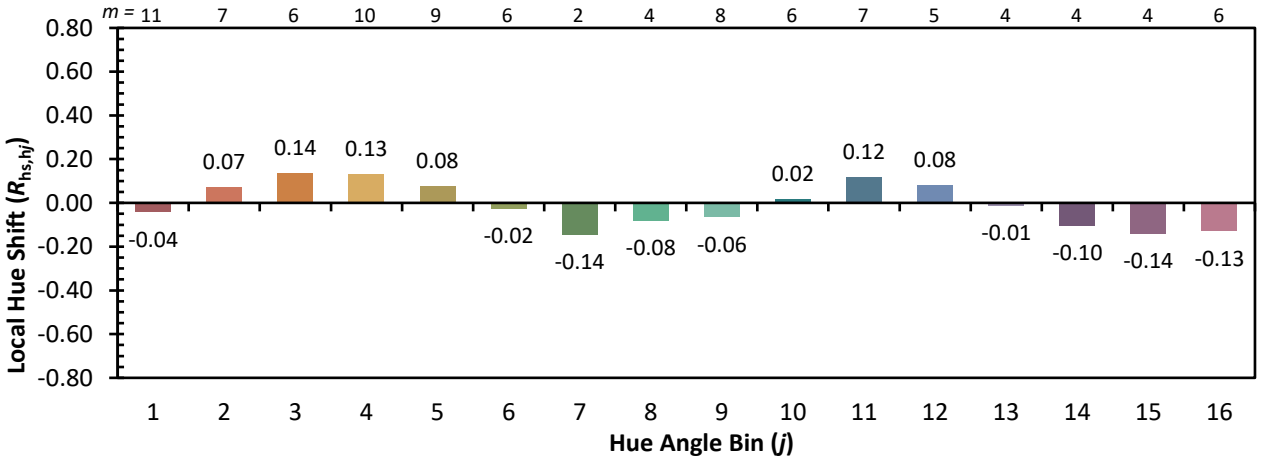
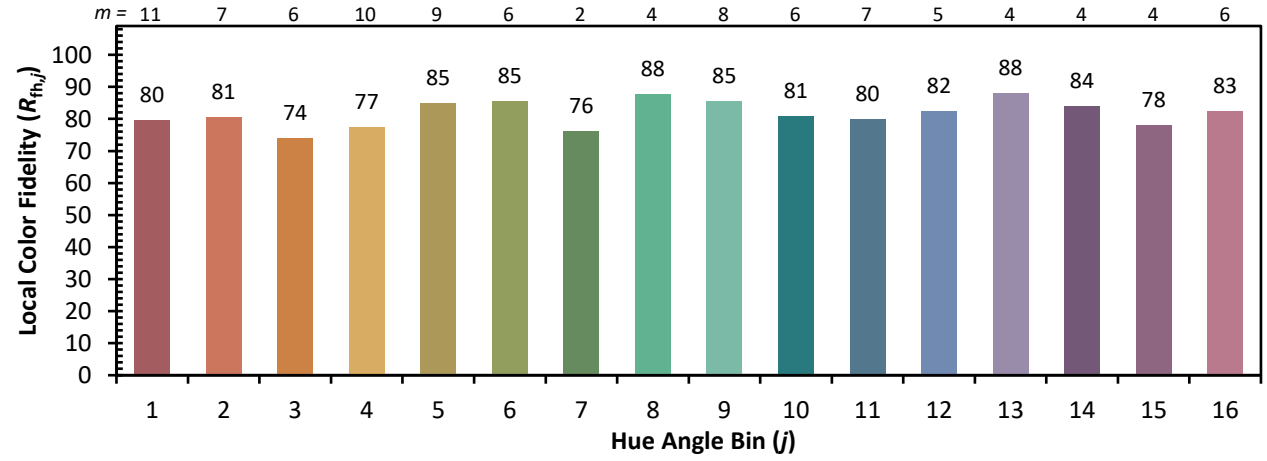
Color Rendition by Hue-Angle Bin







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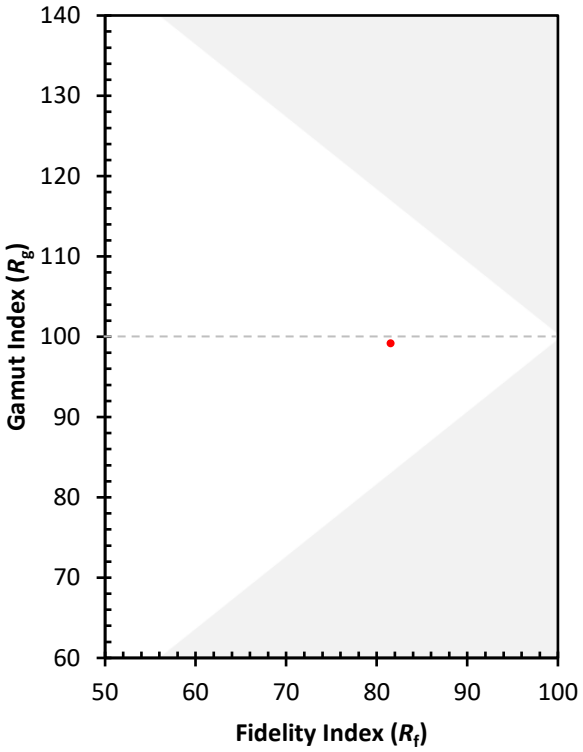
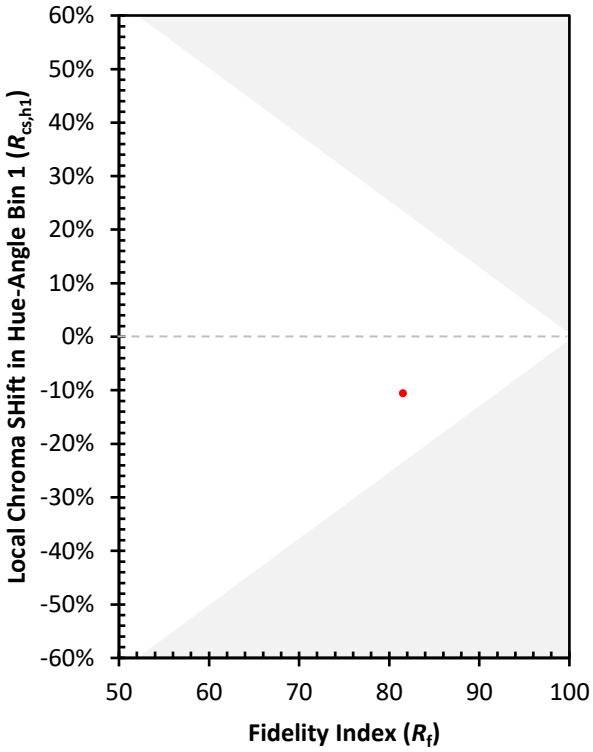
Measure Comparisons





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