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: P319209

Luminaire Tested: **GLEON-SA5C-830-U-T4W**

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:	P319209
	TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-18)
Test Lab:	INNOVATION CENTER
Issue Date:	3/3/2020
Manufacturer:	COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line:	McGRAW-EDISON
Catalog Number:	GLEON-SA5C-830-U-T4W
Description:	GALLEON AREA AND ROADWAY LUMINAIRE
	(5) 80 CRI, 3000K, 1050mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE IV WIDE OPTICS
Light Source:	-
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	27896 lumens
Efficiency:	N/A
Efficacy:	100.0 lumens/watt
Luminous Opening:	Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification:	Type IV - Short
BUG Rating:	B3 - U0 - G4

Input Watts (W):	279
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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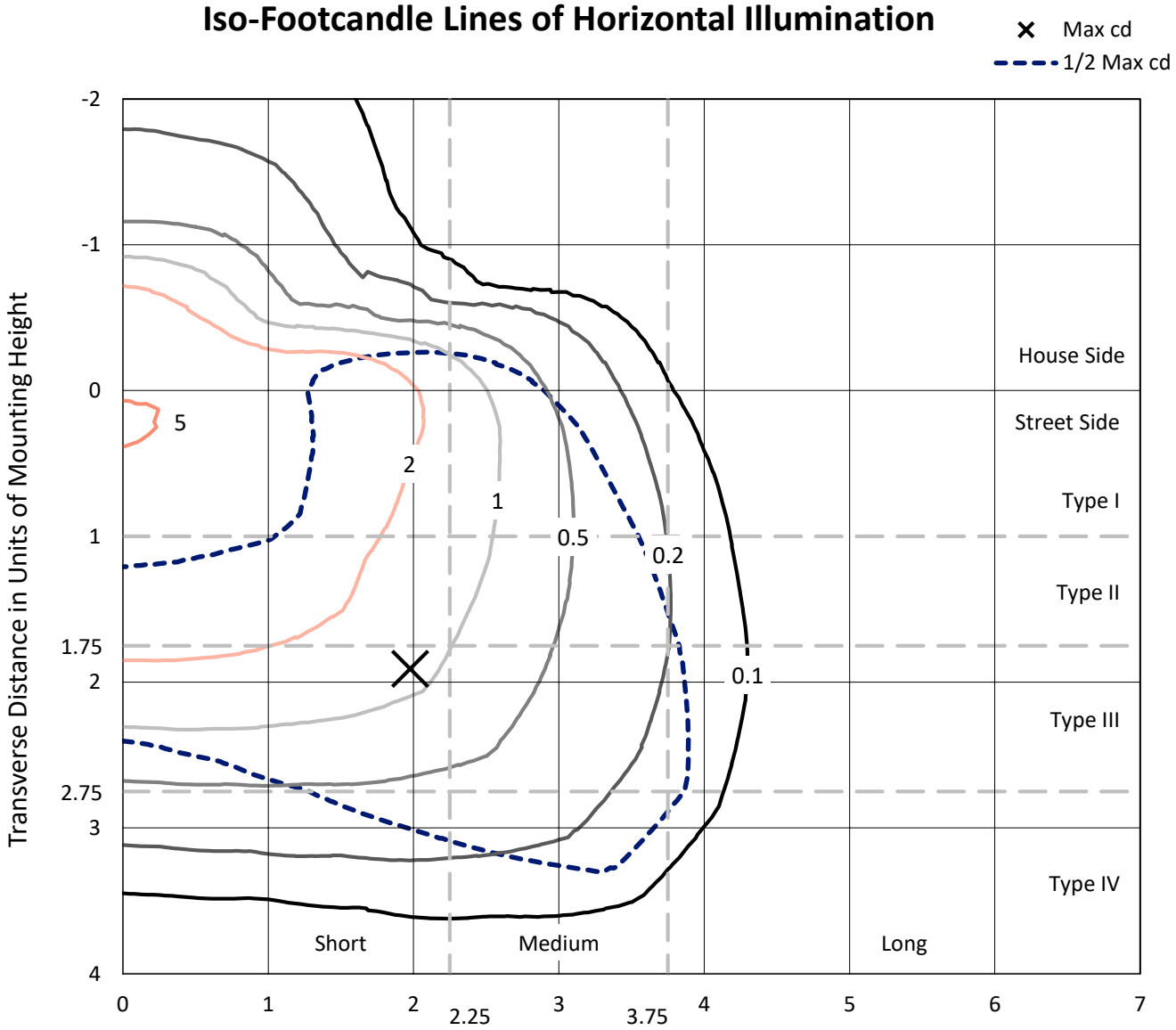
Scaled Data Report

REPORT NUMBER: P319209
CATALOG NUMBER: GLEON-SA5C-830-U-T4W

Iso-Footcandle Lines of Horizontal Illumination



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

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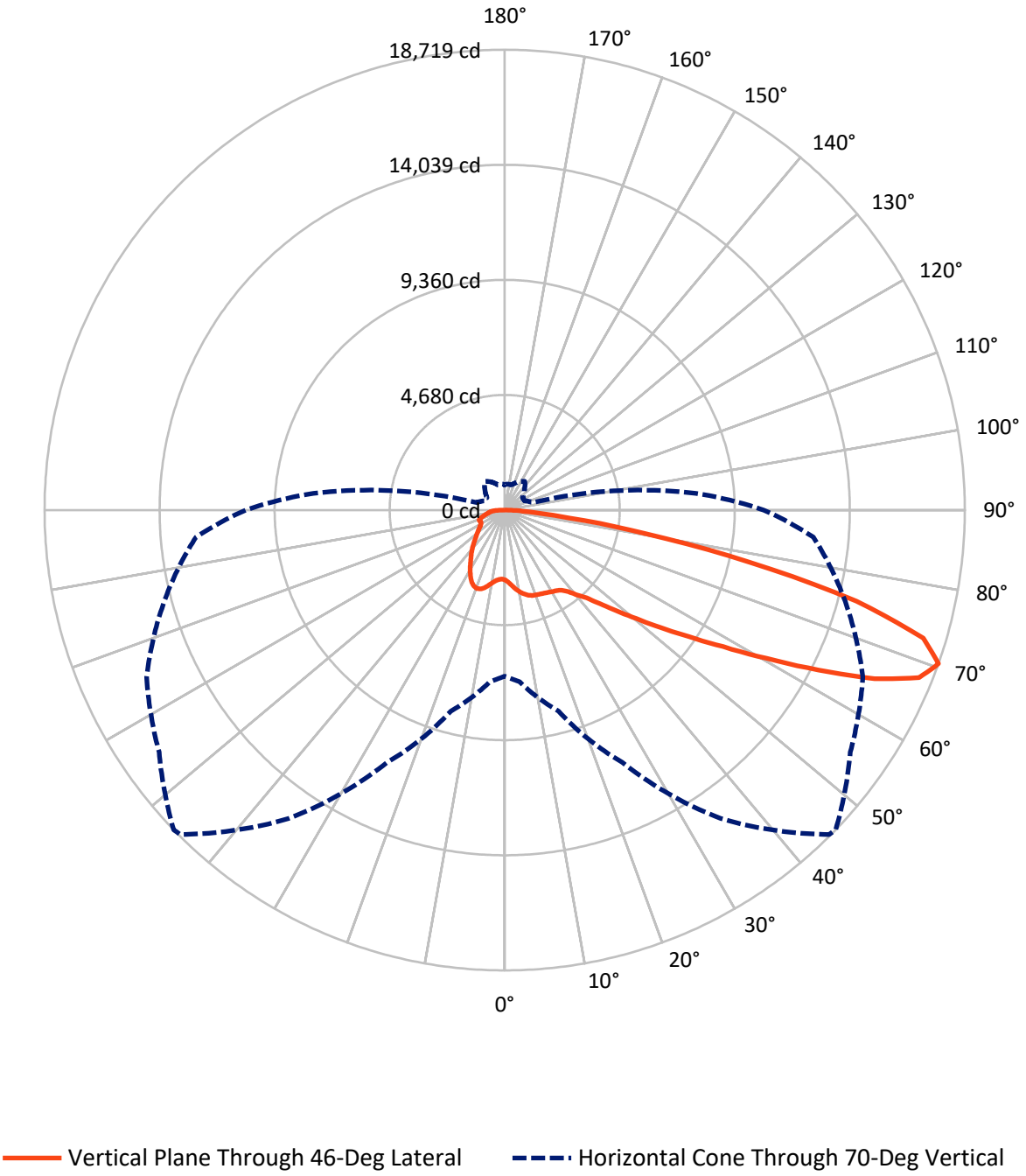
Luminous Intensity Polar Plot



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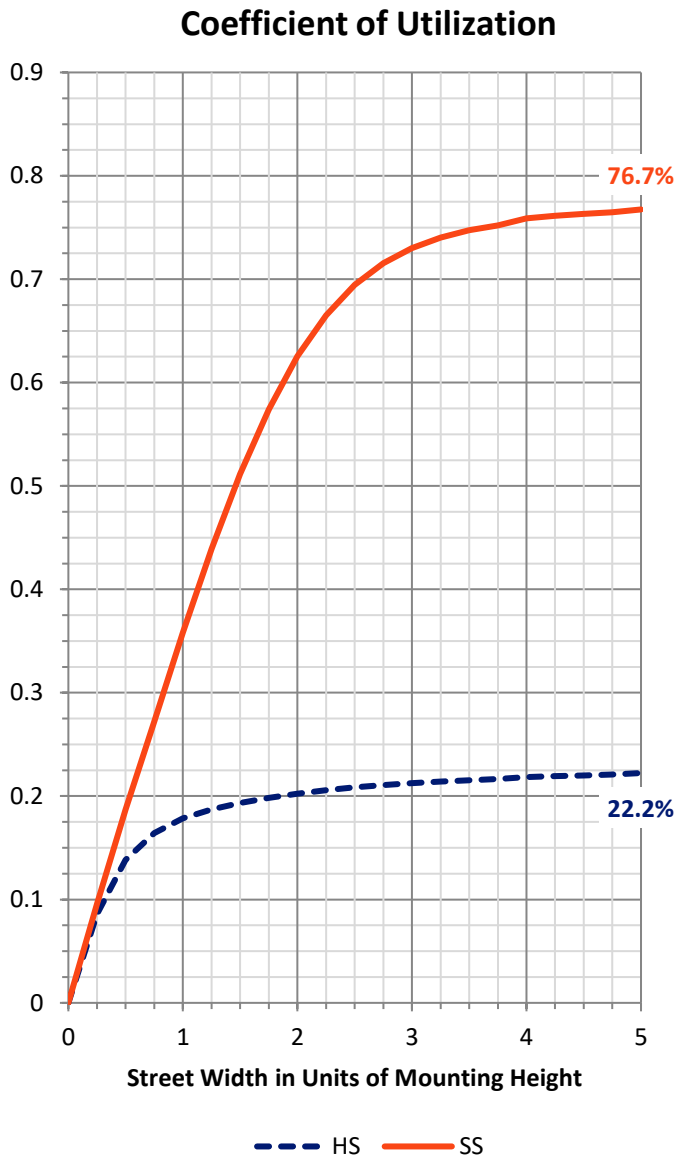
CATALOG NUMBER: GLEON-SA5C-830-U-T4W

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	6393.7	0.0	6393.7
	% Fixture	22.9	0.0	22.9
Street Side	Lumens	21502.3	0.0	21502.3
	% Fixture	77.1	0.0	77.1
Total	Lumens	27896.0	0.0	27896.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	289.7	1.0
10°-20°	965.3	3.5
20°-30°	1609.5	5.8
30°-40°	2284.0	8.2
40°-50°	3359.6	12.0
50°-60°	5689.5	20.4
60°-70°	8076.1	29.0
70°-80°	4906.3	17.6
80°-90°	716.0	2.6
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°	27896.0	100.0
0°-180°	27896.0	100.0



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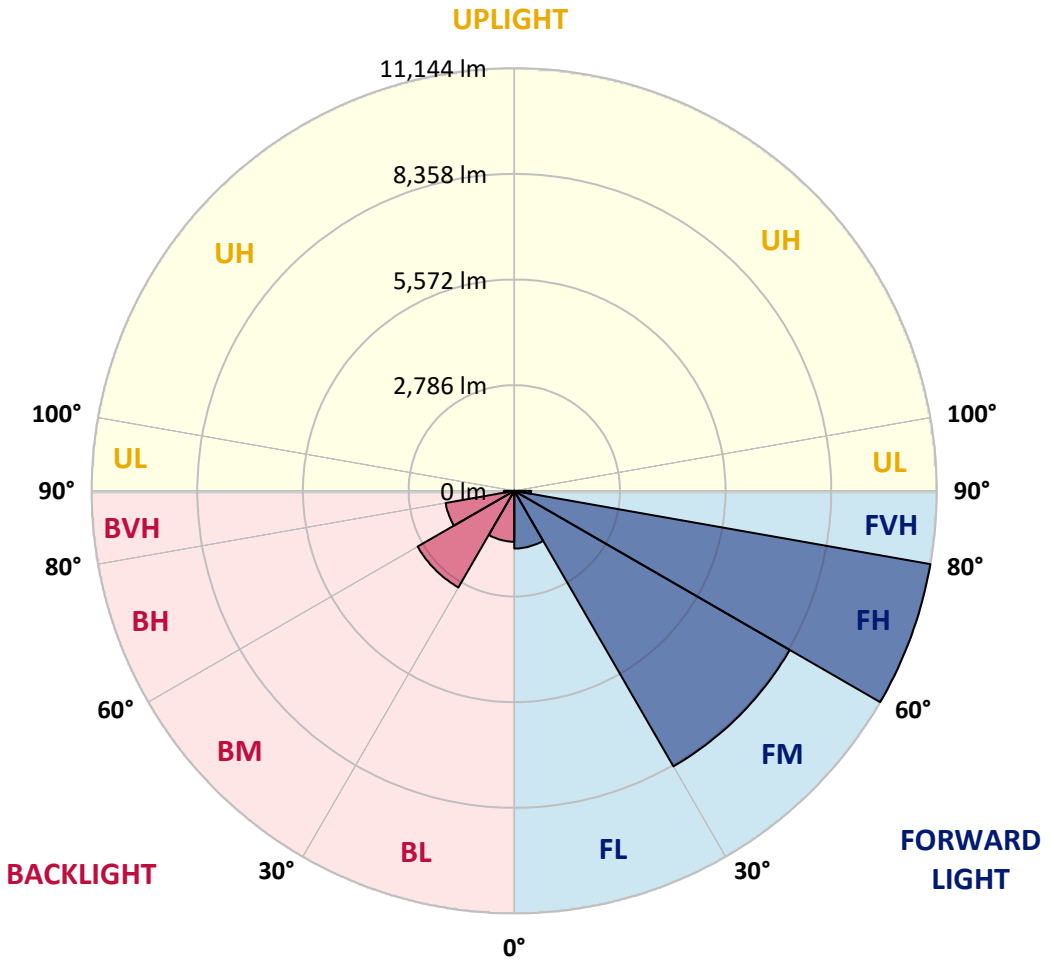
REPORT NUMBER: P319209
CATALOG NUMBER: GLEON-SA5C-830-U-T4W

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	1522.1	5.5			
FM	(30°-60°)	8389.9	30.1			
FH	(60°-80°)	11144.3	39.9			G4/12000
FVH	(80°-90°)	446.0	1.6			G3/500
BL	(0°-30°)	1342.4	4.8	B3/2500		
BM	(30°-60°)	2943.2	10.6	B3/5000		
BH	(60°-80°)	1838.1	6.6	B3/2500		G3/2500
BVH	(80°-90°)	270.0	1.0			G3/500
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G4
Type IV Short



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REPORT NUMBER: P319209
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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	46°	55°	65°	75°	85°
0°	2842.1	2842.1	2842.1	2842.1	2842.1	2842.1	*2842.1*	2842.1	2842.1	2842.1	2842.1
2.5°	2984.3	2986.2	2990.0	2980.5	2953.8	2946.1	*2943.3*	2915.6	2897.4	2870.7	2847.8
5°	3223.0	3224.9	3219.2	3192.4	3133.2	3089.3	*3085.5*	3022.5	2965.2	2904.1	2858.3
7.5°	3472.1	3475.0	3456.9	3406.3	3323.2	3246.8	*3242.1*	3156.1	3069.3	2976.7	2907.9
10°	3692.7	3681.2	3651.6	3581.0	3482.6	3389.1	*3385.3*	3295.5	3195.3	3083.6	2991.9
12.5°	3839.7	3830.1	3792.0	3706.0	3598.2	3512.2	*3504.6*	3421.5	3324.2	3202.0	3092.2
15°	3920.8	3927.5	3876.0	3778.6	3673.6	3601.0	*3594.3*	3535.1	3448.3	3325.1	3199.1
17.5°	3931.3	3937.1	3887.4	3791.0	3705.1	3655.4	*3652.6*	3613.4	3550.4	3432.0	3300.3
20°	3870.2	3874.1	3833.0	3753.8	3697.4	3682.2	*3681.2*	3664.0	3617.2	3512.2	3384.3
22.5°	3781.5	3784.3	3754.7	3697.4	3678.3	3702.2	*3708.9*	3702.2	3668.8	3570.5	3450.2
25°	3759.5	3757.6	3727.0	3668.8	3685.0	3735.6	*3744.2*	3747.1	3724.2	3638.3	3534.2
27.5°	3865.5	3858.8	3800.5	3707.0	3717.5	3778.6	*3790.0*	3817.7	3803.4	3728.0	3629.7
30°	4171.9	4160.5	4041.1	3852.1	3800.5	3832.1	*3846.4*	3890.3	3893.1	3830.1	3756.6
32.5°	4689.3	4675.0	4461.2	4123.2	3940.9	3886.5	*3899.8*	3965.7	4001.0	3952.3	3873.1
35°	5343.3	5327.1	5046.4	4584.3	4175.7	3990.5	*4000.1*	4052.6	4123.2	4054.5	3949.5
37.5°	6024.9	5985.8	5715.6	5126.6	4549.0	4213.0	*4213.0*	4219.6	4253.1	4109.9	4039.2
40°	6702.7	6663.6	6419.2	5764.3	5032.1	4563.3	*4541.4*	4393.4	4366.7	4243.5	4219.6
42.5°	7332.8	7321.4	7177.2	6485.1	5599.1	4908.0	*4877.4*	4626.3	4632.1	4555.7	4556.6
45°	8003.0	8003.0	7885.6	7212.5	6259.8	5461.7	*5431.1*	5061.7	5118.9	5083.6	5168.6
47.5°	8550.0	8567.2	8551.0	7970.6	7028.3	6165.3	*6109.9*	5665.0	5825.4	5946.6	6193.9
50°	9108.5	9135.2	9138.1	8802.1	7957.2	7001.6	*6938.6*	6466.0	6824.0	7171.5	7657.4
52.5°	9919.0	9979.2	9739.6	9631.7	9095.2	7994.4	*7932.4*	7496.1	8093.7	8581.5	9418.8
55°	10670.4	10617.9	10447.0	10513.8	10313.3	9124.7	*9078.0*	8695.1	9508.5	10142.4	11229.8
57.5°	11077.1	11073.2	11245.1	11531.5	11626.9	10518.6	*10479.4*	10107.1	11103.8	11580.2	12930.1
60°	11554.4	11561.1	11986.9	12637.0	13030.3	12254.2	*12237.0*	11954.4	12653.2	12922.4	14263.7
62.5°	11621.2	11741.5	12474.7	13593.6	14343.9	14281.9	*14320.1*	13618.4	14039.4	13993.6	15259.5
65°	10852.7	11011.2	12338.2	13882.8	15649.9	16499.6	*16534.9*	15291.9	15132.5	14909.1	15615.6
67.5°	9277.5	9512.3	10953.9	13253.7	16080.5	18138.8	*18188.4*	16589.3	16039.4	15219.4	14758.3
70°	*6751.4*	*7012.1*	*8463.2*	*11319.5*	*15312.9*	*18662.9*	*18719.2*	*17163.1*	*16073.8*	*14336.3*	*12598.8*
72.5°	4078.4	4282.7	5478.9	8333.3	12924.3	17708.2	*17808.4*	16435.6	14675.2	12143.4	9303.3
75°	1791.0	1924.6	2649.2	4802.0	9252.7	14651.3	*14776.4*	14068.0	11923.8	8825.0	5498.9
77.5°	762.8	801.0	1086.4	2086.0	5230.6	10011.6	*10183.5*	10278.9	8089.9	4802.0	2323.7
80°	475.4	490.7	614.8	944.2	2447.8	5623.0	*5808.2*	6047.8	4017.3	1765.2	811.5
82.5°	289.3	306.4	408.6	570.9	1274.5	2549.0	*2637.8*	2806.7	1559.0	762.8	420.1
85°	173.8	186.2	250.1	360.9	725.6	1002.4	*1001.5*	1107.4	734.1	490.7	221.5
87.5°	83.1	92.6	133.7	187.1	365.6	376.1	*352.3*	399.1	445.8	321.7	111.7
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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REPORT NUMBER: P319209
CATALOG NUMBER: GLEON-SA5C-830-U-T4W

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	2842.1	2842.1	2842.1	2842.1	2842.1	2842.1	2842.1	2842.1	2842.1	2842.1	2842.1
2.5°	2840.1	2836.3	2823.9	2814.4	2812.5	2806.7	2802.0	2804.8	2808.6	2809.6	2809.6
5°	2839.2	2828.7	2812.5	2805.8	2814.4	2825.8	2840.1	2859.2	2870.7	2879.3	2885.0
7.5°	2885.0	2865.0	2846.8	2843.0	2860.2	2890.7	2923.2	2963.3	2991.0	3010.1	3013.9
10°	2961.4	2936.6	2918.4	2922.2	2952.8	2996.7	3042.5	3094.1	3136.1	3161.9	3163.8
12.5°	3049.2	3025.4	3008.2	3024.4	3075.0	3128.5	3176.2	3221.1	3259.2	3285.0	3285.0
15°	3150.4	3133.2	3113.2	3150.4	3219.2	3266.9	3286.9	3308.9	3329.9	3349.0	3345.2
17.5°	3247.8	3231.6	3221.1	3265.0	3336.6	3358.5	3345.2	3328.9	3328.9	3339.4	3341.3
20°	3331.8	3317.5	3324.2	3367.1	3404.4	3381.4	3331.8	3280.3	3259.2	3265.0	3270.7
22.5°	3405.3	3398.6	3418.7	3438.7	3412.0	3331.8	3240.2	3170.5	3144.7	3142.8	3144.7
25°	3491.2	3490.3	3515.1	3478.8	3360.4	3212.5	3089.3	3021.5	3007.2	3018.7	3037.8
27.5°	3598.2	3608.7	3621.1	3488.4	3255.4	3032.0	2907.0	2860.2	2874.5	2902.2	2920.3
30°	3734.7	3763.3	3736.6	3464.5	3104.6	2825.8	2706.5	2693.1	2732.3	2771.4	2790.5
32.5°	3867.4	3912.2	3847.3	3402.4	2909.8	2607.2	2514.6	2510.8	2558.5	2596.7	2623.4
35°	3974.3	4063.1	3930.4	3279.3	2684.5	2405.8	2338.0	2312.2	2329.4	2374.3	2404.8
37.5°	4113.7	4261.7	3987.7	3091.2	2440.1	2239.7	2160.4	2101.2	2086.0	2104.1	2119.4
40°	4368.6	4564.3	4014.4	2828.7	2201.5	2073.5	1993.4	1906.5	1846.3	1802.4	1803.4
42.5°	4784.8	4958.6	3997.2	2509.8	1980.9	1911.3	1820.6	1720.3	1622.9	1523.7	1516.0
45°	5460.7	5544.7	3945.7	2171.9	1787.1	1741.3	1656.4	1556.1	1426.3	1313.6	1303.1
47.5°	6542.4	6356.2	3865.5	1876.9	1616.3	1597.2	1518.9	1403.4	1265.9	1175.2	1167.6
50°	8017.3	7527.6	3826.3	1642.0	1465.4	1471.1	1407.2	1285.0	1155.2	1088.3	1080.7
52.5°	9781.6	8891.8	3901.7	1460.6	1344.2	1364.2	1316.5	1201.9	1093.1	1040.6	1033.0
55°	11611.7	10304.7	3982.9	1328.9	1229.6	1268.8	1252.5	1158.0	1059.7	1011.0	1004.3
57.5°	13178.3	11359.6	3820.6	1222.0	1127.5	1188.6	1202.9	1130.3	1042.5	998.6	990.9
60°	14164.5	11784.5	3394.8	1121.7	1046.3	1124.6	1174.2	1122.7	1049.2	1045.4	1039.6
62.5°	14632.2	11747.2	2756.1	1042.5	995.7	1096.9	1195.2	1165.7	1125.6	1159.9	1162.8
65°	14422.2	11185.9	2052.5	990.0	959.4	1107.4	1258.3	1246.8	1147.5	1181.9	1186.7
67.5°	13039.9	9846.5	1519.8	944.2	919.3	1137.0	1372.8	1273.5	1104.6	1129.4	1114.1
70°	*10539.6*	*7806.3*	*1172.3*	*892.6*	*878.3*	*1133.2*	*1424.4*	*1257.3*	*1057.8*	*1063.5*	*1022.5*
72.5°	7267.9	5323.2	953.7	844.9	819.1	1033.0	1388.1	1217.2	1018.6	974.7	920.3
75°	3952.3	2857.3	810.5	795.2	715.0	906.9	1321.3	1188.6	983.3	925.1	894.5
77.5°	1555.2	1185.7	703.6	727.5	625.3	801.0	1246.8	1134.1	934.6	858.2	843.0
80°	634.9	605.3	583.3	629.1	537.5	700.7	1157.1	1070.2	876.4	796.2	765.6
82.5°	359.9	376.1	453.5	496.4	436.3	645.4	1114.1	1018.6	806.7	713.1	676.9
85°	184.3	220.5	316.0	356.1	320.8	548.9	1026.3	891.7	647.3	546.1	548.9
87.5°	88.8	123.2	199.5	223.4	208.1	397.1	766.6	646.3	504.1	399.1	386.6
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

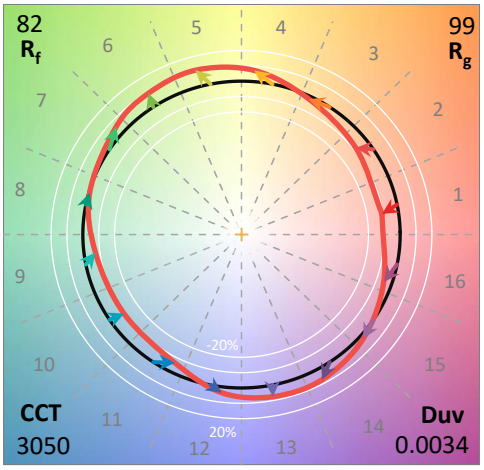
Test Information

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

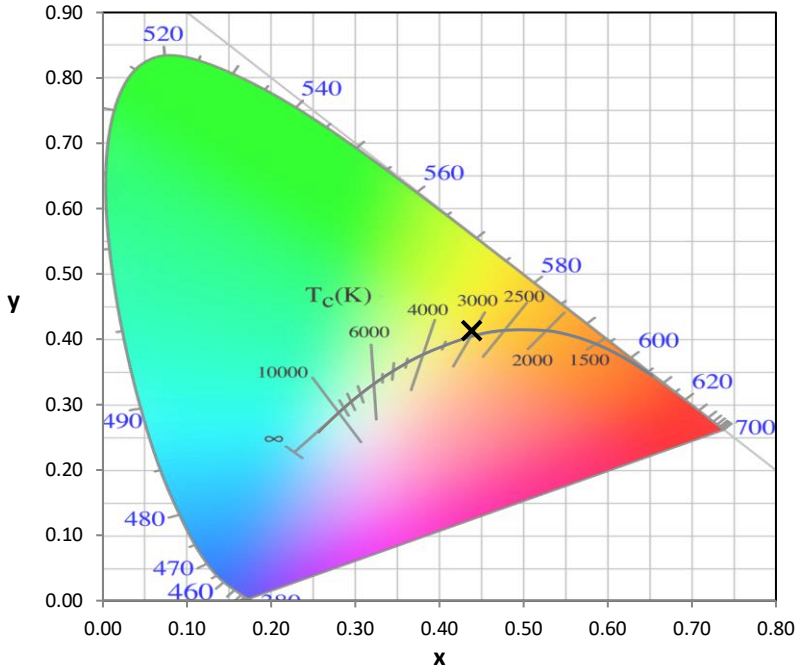
Stabilization Time:	20M
Operation Time:	1H 20M
Sphere Temperature (°C):	24.2

REPORT NUMBER: SP1-2408-195-9

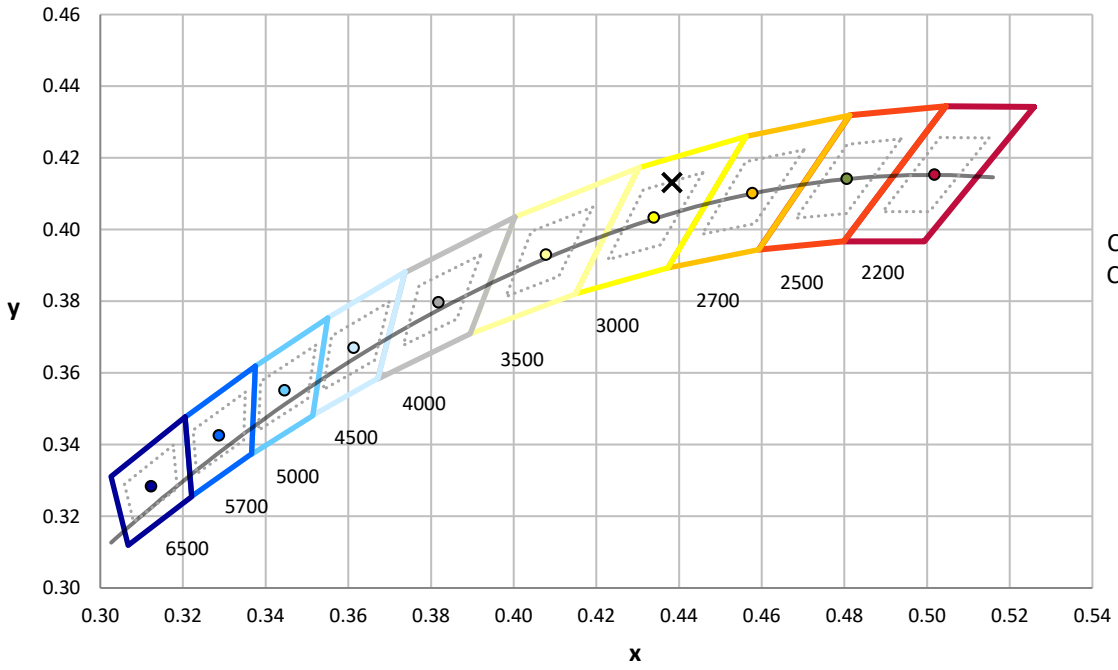
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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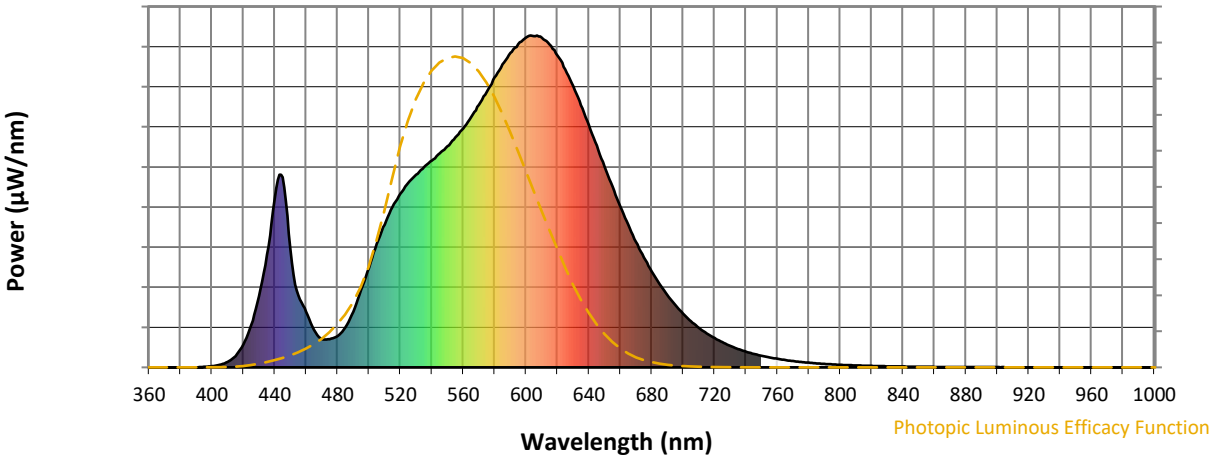
Photopic Flux vs. Wavelength



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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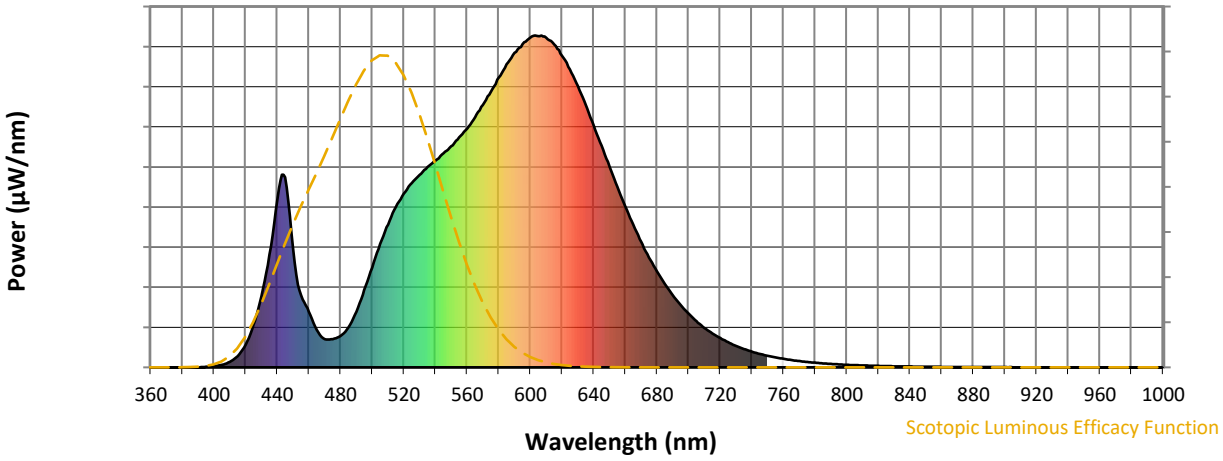
Scotopic Flux vs. Wavelength



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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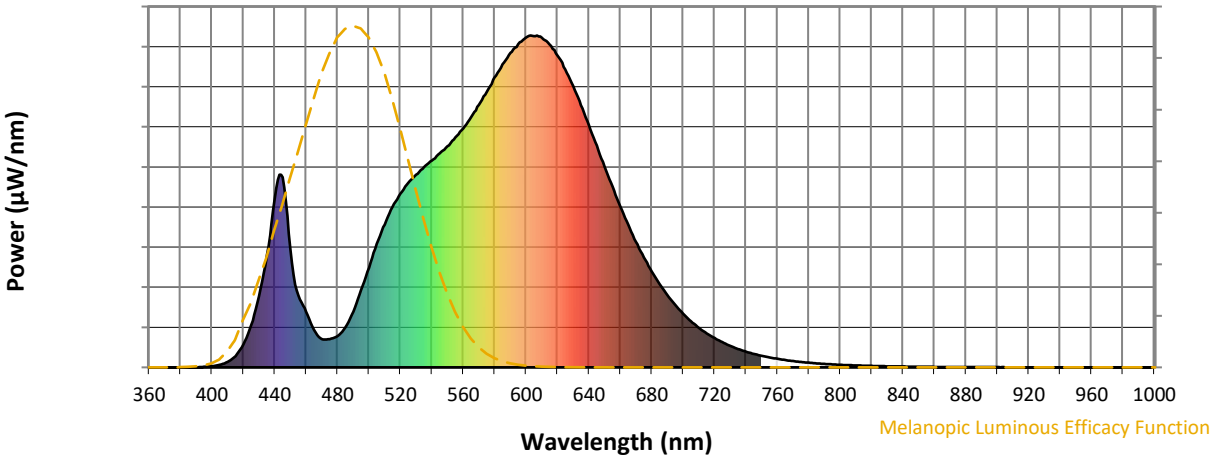
Melanopic Flux vs. Wavelength



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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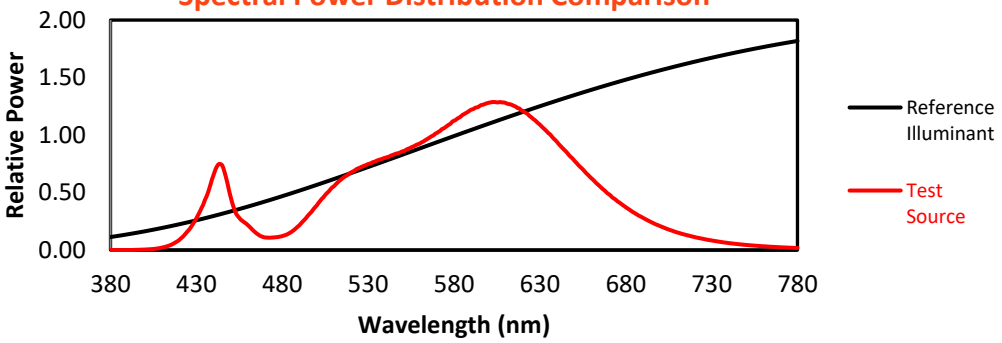
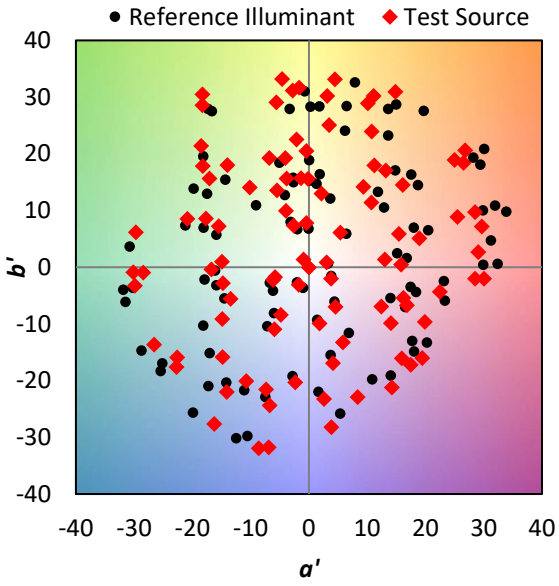
Summary

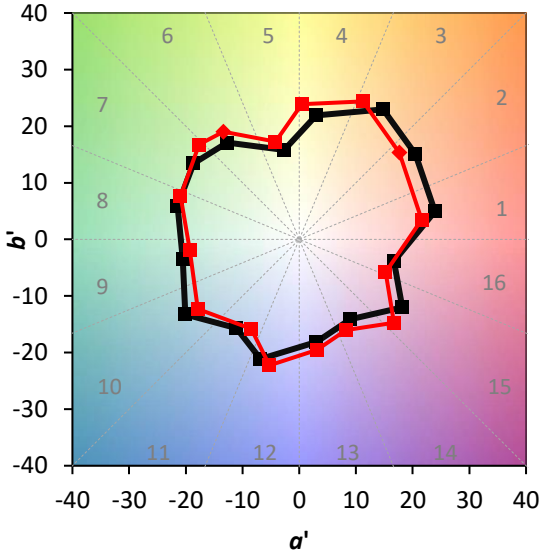
R_f = 81.5
R_g = 99.2
CIE R_a = 81.0
R_9 = 7.1

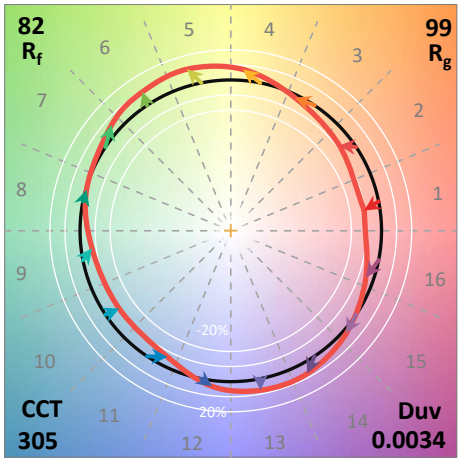
Spectral Power Distribution Comparison

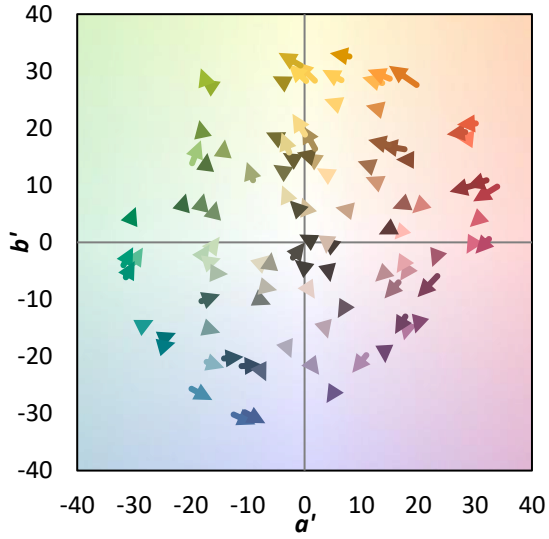


Color Vector Graphics









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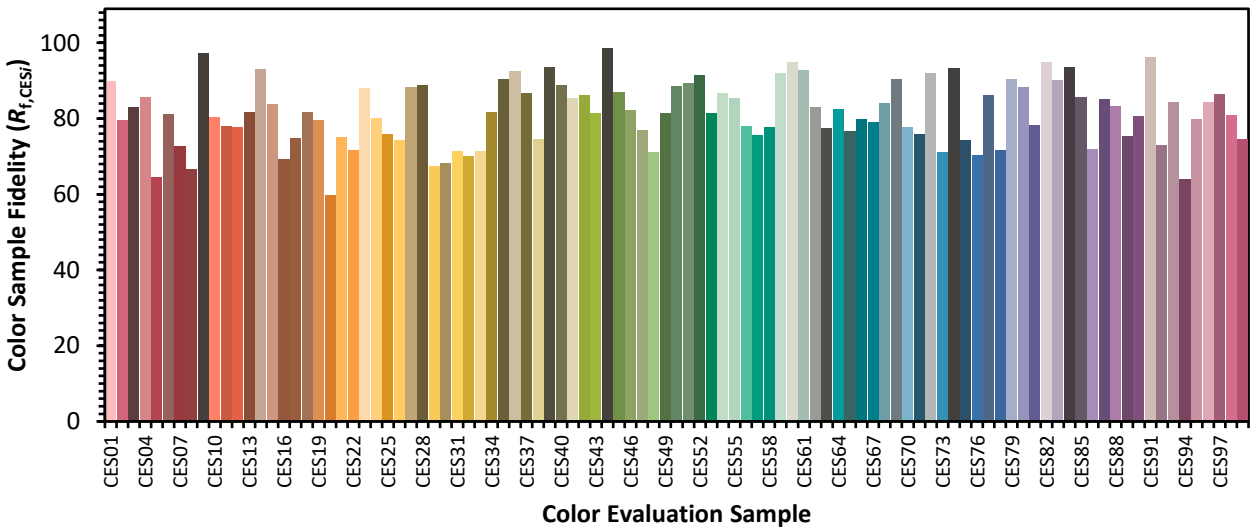
Individual Sample Fidelity Index ($R_{f,i}$)

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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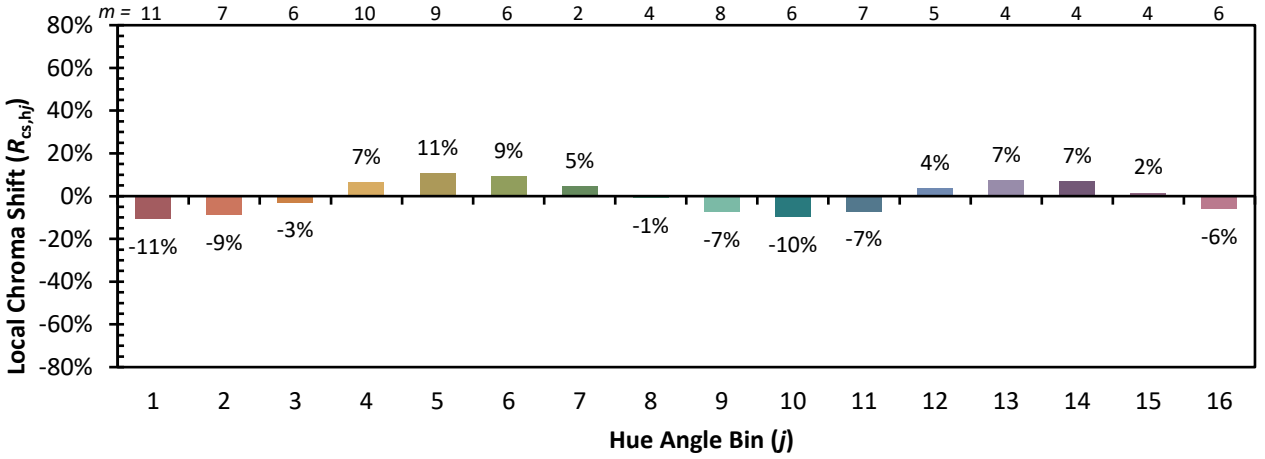
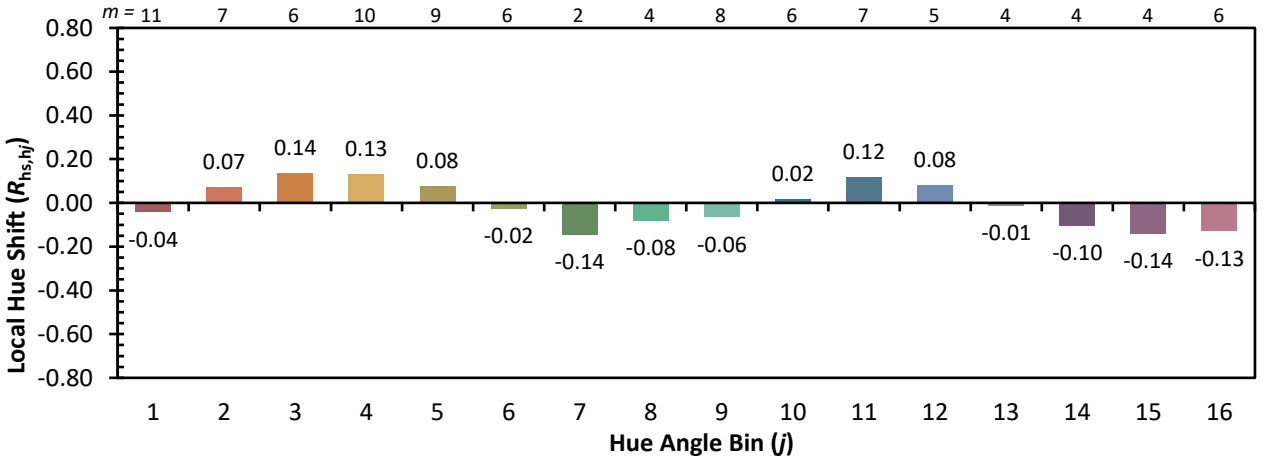
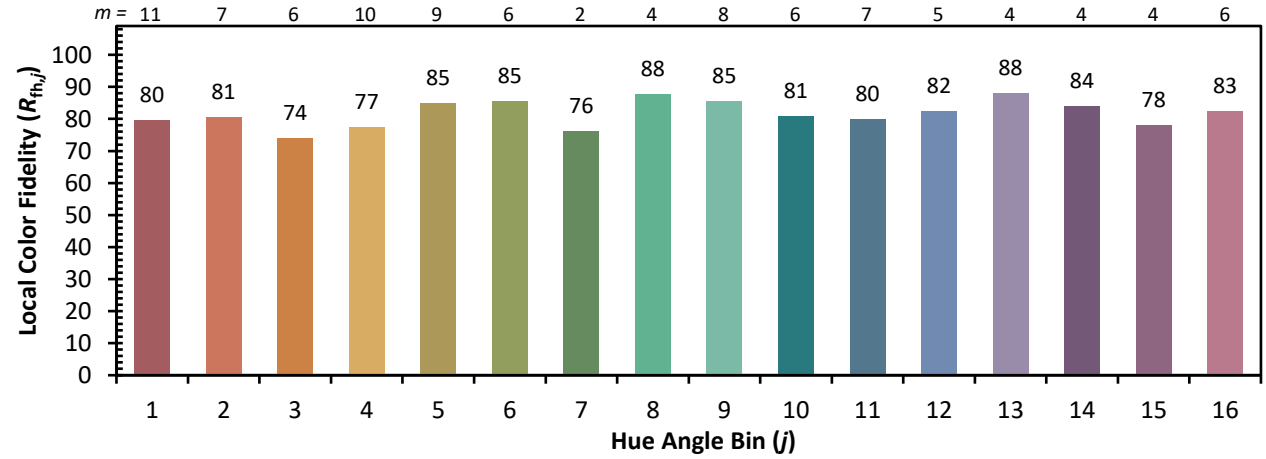
Color Rendition by Hue-Angle Bin







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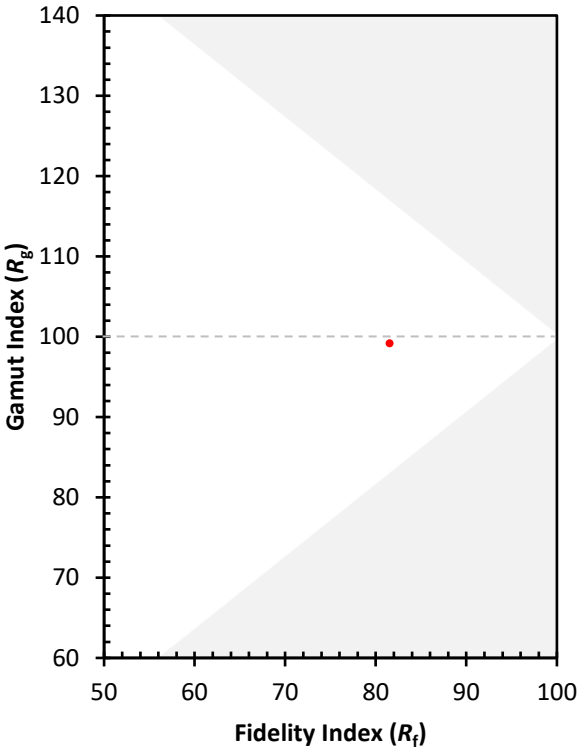
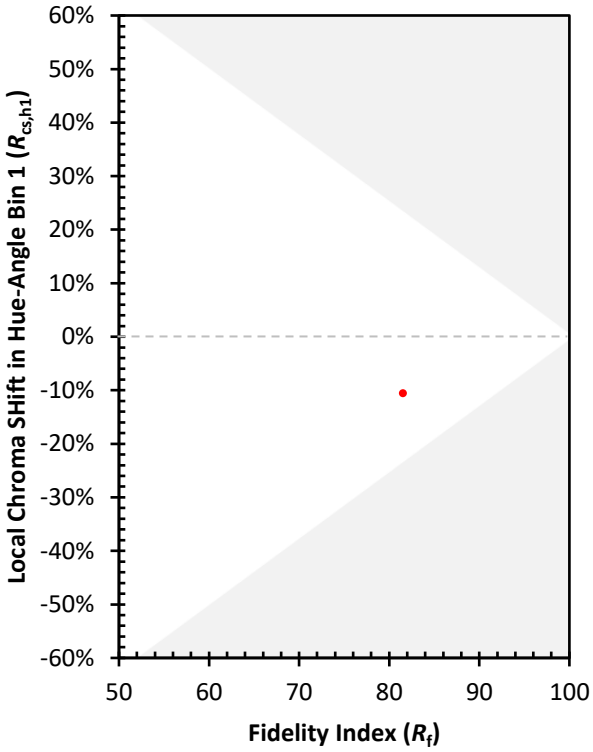
Measure Comparisons





(END OF REPORT)