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: P318559

Luminaire Tested: **GLEON-SA5B-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:	P318559
	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-SA5B-830-U-T3
Description:	GALLEON AREA AND ROADWAY LUMINAIRE
	(5) 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:	22701 lumens
Efficiency:	N/A
Efficacy:	108.1 lumens/watt
Luminous Opening:	Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification:	Type III - Short
BUG Rating:	B3 - U0 - G4

Input Watts (W):	210
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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REPORT NUMBER: P318559
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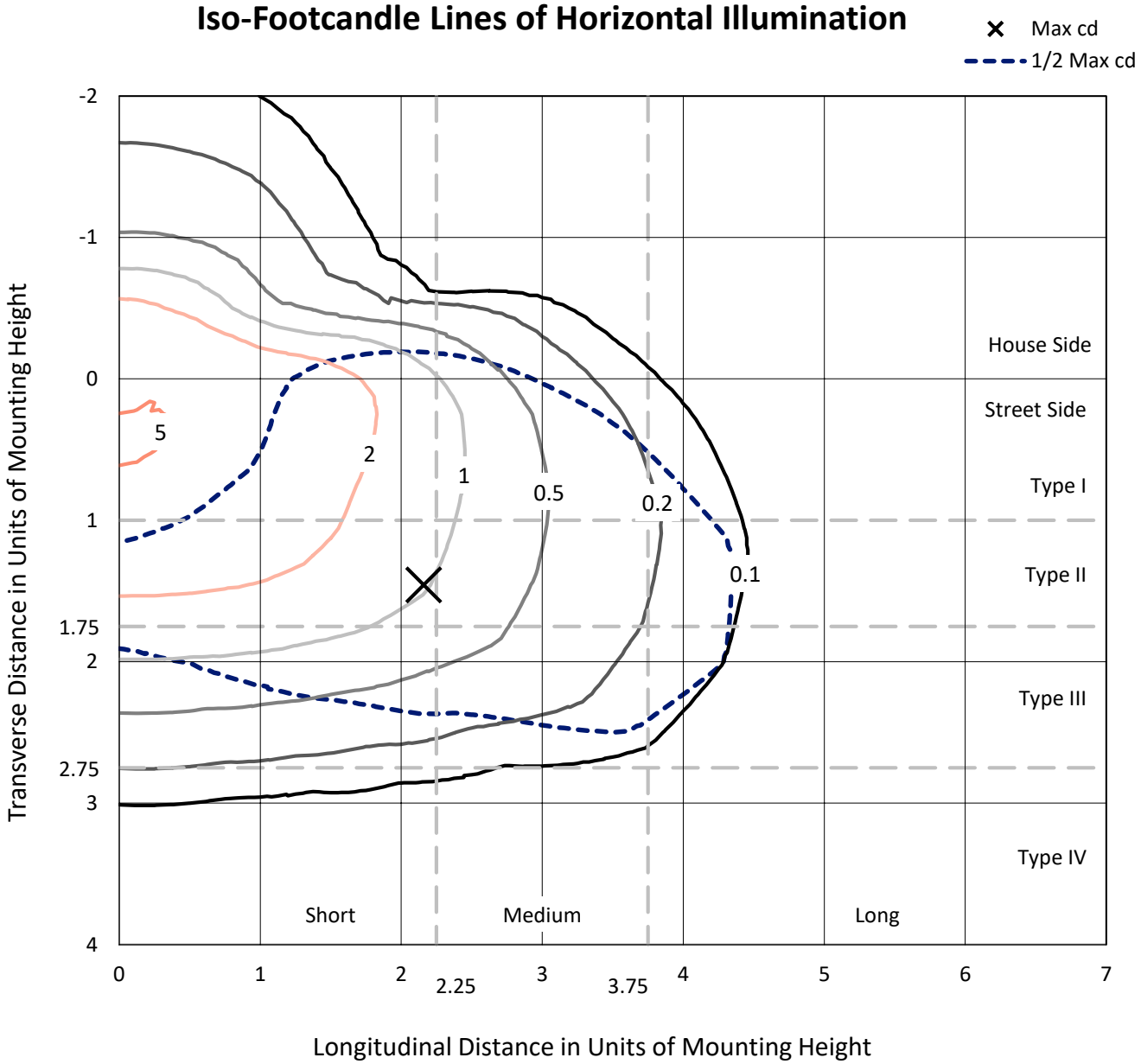
Iso-Footcandle Lines of Horizontal Illumination



Based on 25 foot mounting height. Maximum calculated value = 5.2 fc
Type III - Short - N/A

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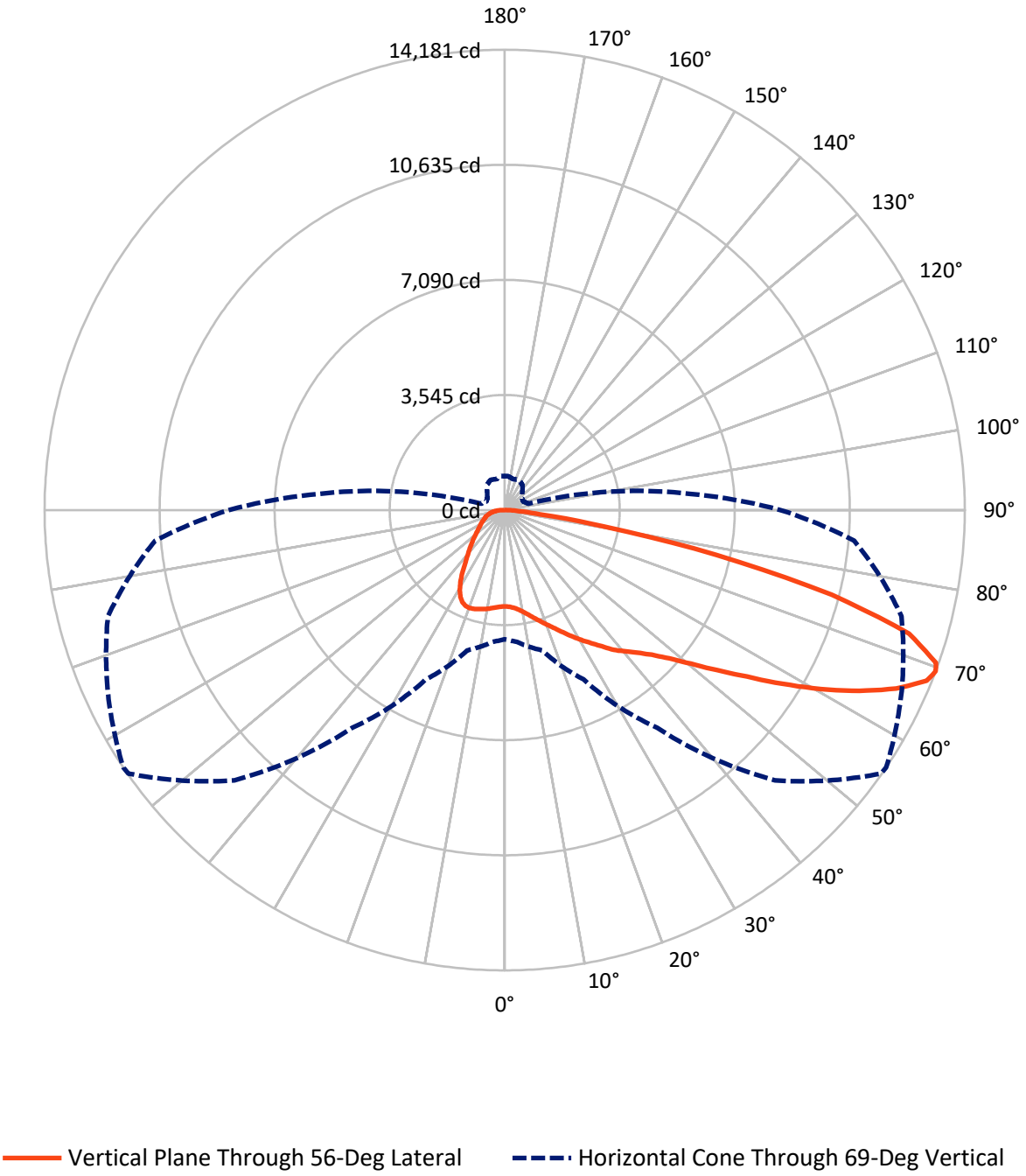
Luminous Intensity Polar Plot



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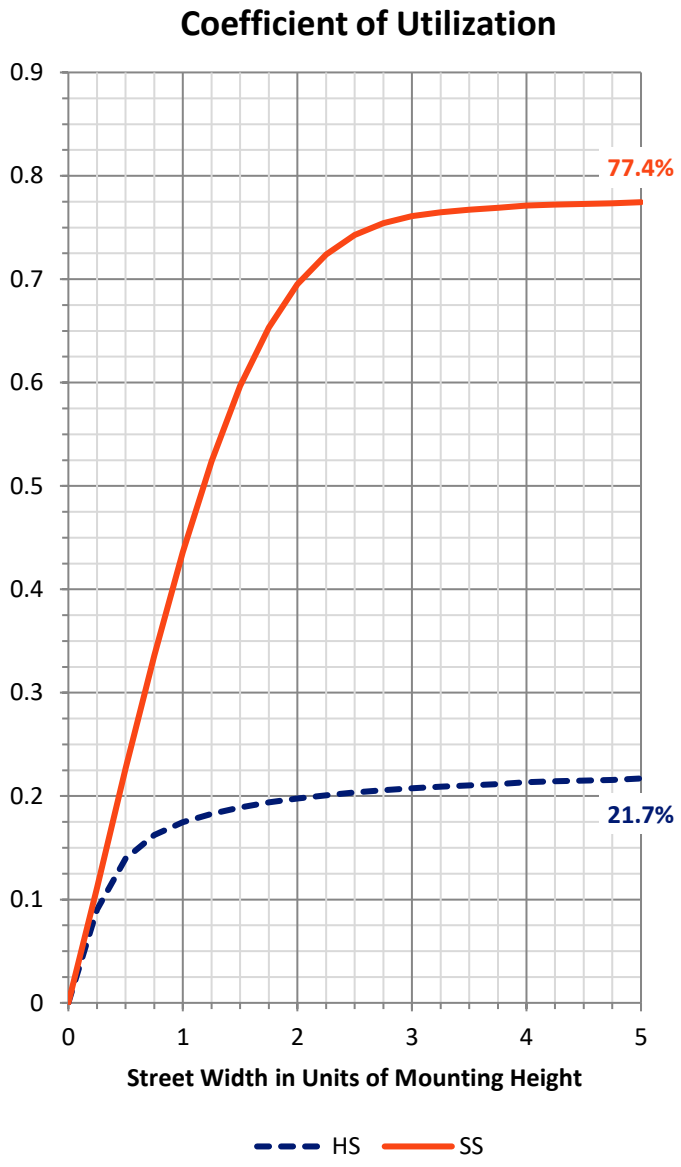
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	5055.5	0.0	5055.5
	% Fixture	22.3	0.0	22.3
Street Side	Lumens	17645.5	0.0	17645.5
	% Fixture	77.7	0.0	77.7
Total	Lumens	22701.0	0.0	22701.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	291.5	1.3
10°-20°	937.3	4.1
20°-30°	1636.2	7.2
30°-40°	2350.3	10.4
40°-50°	3252.7	14.3
50°-60°	4765.6	21.0
60°-70°	5810.2	25.6
70°-80°	3212.3	14.2
80°-90°	444.9	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°	22701.0	100.0
0°-180°	22701.0	100.0



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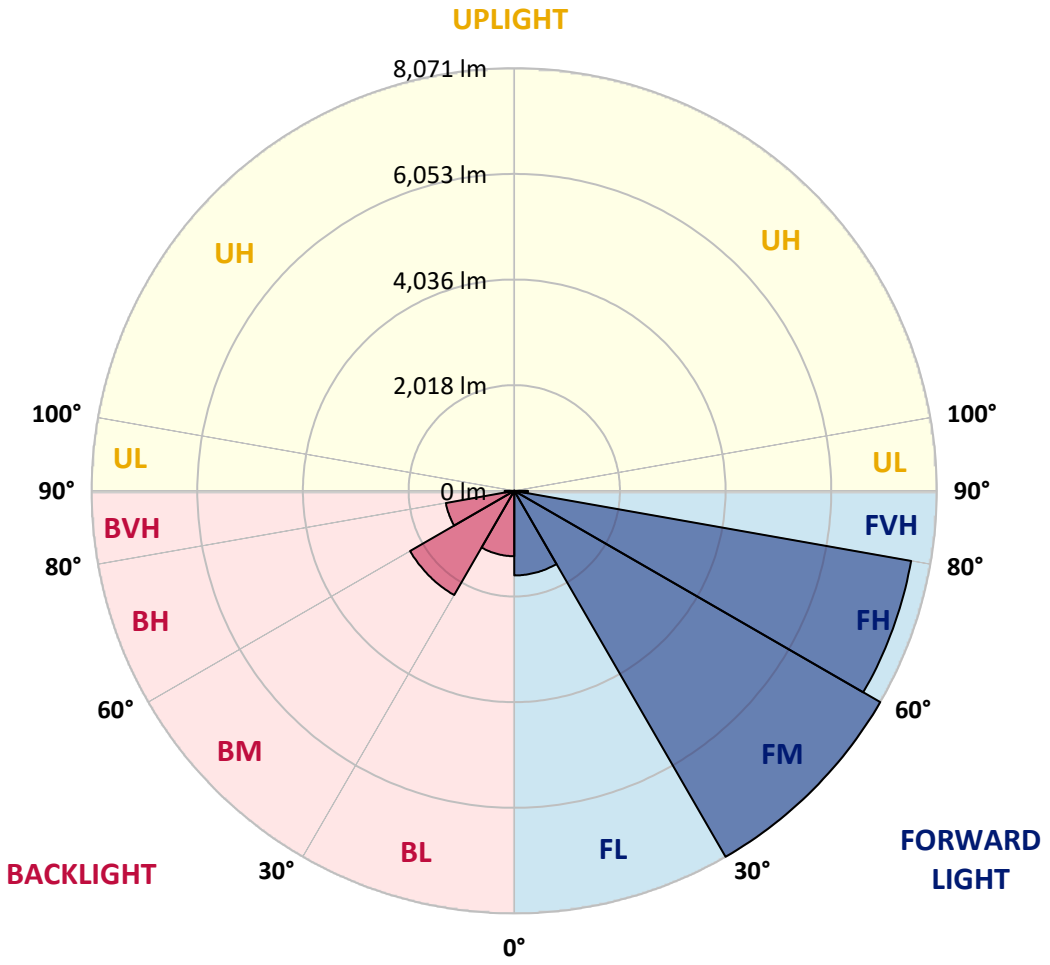
LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	1615.6	7.1			
FM	(30°-60°)	8071.1	35.6			
FH	(60°-80°)	7696.8	33.9			G4/12000
FVH	(80°-90°)	262.1	1.2			G3/500
BL	(0°-30°)	1249.3	5.5	B3/2500		
BM	(30°-60°)	2297.6	10.1	B2/2500		
BH	(60°-80°)	1325.7	5.8	B3/2500		G3/2500
BVH	(80°-90°)	182.8	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-G4
Type III Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	56°	65°	75°	85°
0°	2967.8	2967.8	2967.8	2967.8	2967.8	2967.8	2967.8	*2967.8*	2967.8	2967.8	2967.8
2.5°	2986.6	2989.7	2987.4	2993.6	2986.6	2991.3	2987.4	*2987.4*	2985.0	2978.0	2970.2
5°	3033.5	3039.8	3035.9	3042.1	3033.5	3035.1	3028.0	*3028.0*	3021.0	3006.1	2990.5
7.5°	3107.0	3114.1	3110.9	3117.2	3105.5	3105.5	3096.1	*3095.3*	3081.2	3057.0	3039.0
10°	3194.6	3204.0	3200.9	3210.2	3200.9	3204.0	3194.6	*3194.6*	3175.8	3141.4	3118.7
12.5°	3322.1	3333.8	3325.2	3324.4	3320.5	3326.8	3318.9	*3317.4*	3300.2	3253.3	3222.0
15°	3492.6	3505.1	3487.1	3485.5	3463.6	3461.3	3461.3	*3458.9*	3448.0	3391.7	3340.1
17.5°	3688.8	3692.8	3677.1	3652.1	3623.9	3606.0	3603.6	*3609.9*	3609.9	3544.2	3462.1
20°	3881.2	3888.3	3875.8	3847.6	3811.6	3785.0	3766.3	*3778.8*	3778.0	3699.8	3583.3
22.5°	4090.8	4107.2	4088.5	4052.5	4010.3	3980.5	3947.7	*3958.6*	3959.4	3863.2	3702.1
25°	4362.2	4347.3	4335.6	4284.8	4224.5	4194.0	4163.5	*4174.5*	4171.4	4039.2	3824.9
27.5°	4602.3	4605.4	4589.7	4535.8	4466.2	4398.9	4397.4	*4404.4*	4392.7	4222.2	3940.7
30°	4881.4	4883.0	4861.1	4812.6	4736.8	4650.0	4629.6	*4641.4*	4616.3	4395.8	4062.7
32.5°	5159.1	5166.9	5142.6	5084.0	5023.0	4917.4	4876.8	*4884.6*	4822.0	4573.3	4188.6
35°	5402.3	5413.2	5405.4	5366.3	5299.8	5209.1	5160.6	*5155.9*	5078.5	4790.7	4355.1
37.5°	5650.2	5660.4	5651.8	5618.9	5592.3	5496.1	5470.3	*5470.3*	5335.8	5012.8	4567.1
40°	5905.1	5920.8	5910.6	5865.2	5842.6	5798.8	5737.0	*5722.1*	5576.7	5279.5	4912.7
42.5°	6142.1	6162.4	6203.1	6176.5	6130.4	6136.6	6012.3	*6004.4*	5898.1	5673.6	5346.8
45°	6478.4	6508.1	6576.9	6556.6	6547.2	6512.8	6365.0	*6357.9*	6317.3	6203.9	5885.6
47.5°	6845.1	6885.8	7010.1	7014.1	7114.9	7050.0	6849.0	*6824.8*	6834.2	6838.9	6543.3
50°	7183.0	7227.5	7431.7	7527.8	7765.6	7779.7	7458.2	*7436.3*	7473.1	7581.0	7309.7
52.5°	7452.8	7509.1	7764.0	8061.2	8468.6	8584.4	8208.2	*8191.8*	8219.2	8405.3	8176.2
55°	7650.6	7711.6	7989.2	8530.4	9181.1	9385.2	9071.6	*9055.9*	9073.1	9310.1	9118.5
57.5°	7696.8	7711.6	8114.4	8846.4	9782.4	10272.8	10128.1	*10096.8*	10012.4	10218.8	10158.6
60°	7480.1	7539.6	8011.1	8957.4	10247.8	11147.9	11232.3	*11193.2*	10956.3	11125.2	11076.7
62.5°	7040.6	7147.0	7625.6	8788.5	10430.0	11862.7	12315.5	*12268.5*	11860.3	11969.8	11736.7
65°	6322.7	6368.1	6870.9	8205.9	10198.5	12320.1	13281.3	*13257.8*	12744.0	12572.7	11858.7
67.5°	5038.6	5123.9	5550.9	6988.2	9251.4	12266.2	14028.1	*14025.8*	13321.1	12796.4	11426.3
69°	*3980.5*	*4068.9*	*4475.6*	*5756.5*	*8186.3*	*11772.7*	*14153.2*	*14180.6*	*13483.8*	*12660.3*	*10808.5*
70°	3173.5	3275.9	3555.1	4848.6	7240.8	11122.1	14049.2	*14098.5*	13452.5	12435.9	10238.4
72.5°	1350.6	1433.5	1632.1	2499.4	4413.0	8305.2	12845.7	*13031.8*	12727.6	11381.7	8461.6
75°	589.7	615.5	705.4	1019.0	1959.0	4520.1	10063.2	*10407.3*	10882.8	9620.6	6303.2
77.5°	431.7	442.6	491.9	598.3	879.0	1707.2	6471.3	*6671.5*	7848.5	7000.8	3866.4
80°	333.9	341.7	380.1	439.5	574.0	690.5	2951.4	*3123.4*	4413.0	3595.8	1610.2
82.5°	265.9	271.4	298.0	323.8	396.5	418.4	979.9	*1087.0*	1629.0	993.2	426.2
85°	247.1	253.4	262.8	236.2	254.2	245.6	423.9	*443.4*	491.9	390.2	178.3
87.5°	111.8	132.2	260.4	183.8	135.3	107.9	173.6	*181.4*	204.1	204.9	79.0
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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REPORT NUMBER: P318559
CATALOG NUMBER: GLEON-SA5B-830-U-T3

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	2967.8	2967.8	2967.8	2967.8	2967.8	2967.8	2967.8	2967.8	2967.8	2967.8	2967.8
2.5°	2974.9	2972.5	2976.4	2967.0	2978.8	2978.0	2974.1	2975.6	2983.5	2982.7	2983.5
5°	2992.8	2991.3	2996.0	2988.9	3003.0	3007.7	3008.5	3015.5	3024.1	3026.5	3026.5
7.5°	3038.2	3038.2	3040.5	3031.2	3040.5	3039.8	3035.9	3042.9	3051.5	3052.3	3051.5
10°	3116.4	3117.2	3113.3	3089.0	3081.2	3060.1	3040.5	3041.3	3052.3	3060.9	3063.2
12.5°	3214.9	3211.8	3194.6	3150.0	3117.2	3074.2	3053.8	3053.1	3064.0	3071.0	3073.4
15°	3327.5	3318.9	3274.4	3201.6	3143.8	3101.5	3068.7	3060.9	3054.6	3046.8	3047.6
17.5°	3433.9	3414.4	3340.1	3239.2	3178.2	3121.9	3058.5	3007.7	2972.5	2952.2	2945.9
20°	3541.8	3503.5	3396.4	3274.4	3196.9	3094.5	2972.5	2869.3	2805.2	2775.4	2770.0
22.5°	3640.4	3578.6	3448.8	3311.1	3182.1	3002.2	2810.6	2660.5	2571.3	2531.4	2534.6
25°	3736.6	3650.5	3503.5	3336.9	3107.0	2839.6	2585.4	2400.8	2297.6	2253.0	2251.5
27.5°	3821.0	3723.3	3562.9	3315.8	2967.0	2608.1	2318.7	2138.9	2052.8	2014.5	2008.3
30°	3918.0	3814.8	3641.9	3235.3	2762.1	2340.6	2058.3	1931.6	1870.6	1832.3	1825.3
32.5°	4036.1	3939.1	3706.8	3089.0	2500.2	2061.4	1855.0	1766.6	1711.1	1668.1	1660.3
35°	4208.1	4103.3	3723.3	2879.4	2212.4	1840.9	1705.6	1614.9	1539.8	1484.3	1478.8
37.5°	4424.0	4309.0	3685.7	2608.1	1933.2	1697.8	1581.3	1469.4	1371.7	1293.5	1281.0
40°	4735.2	4561.6	3581.7	2295.3	1727.5	1587.5	1460.1	1332.6	1211.4	1119.9	1101.9
42.5°	5109.0	4858.0	3422.2	1984.0	1576.6	1475.7	1339.6	1181.7	1065.9	1001.0	991.6
45°	5584.5	5166.1	3200.9	1711.9	1428.0	1363.9	1209.8	1064.3	992.4	944.7	936.9
47.5°	6127.2	5511.8	2968.6	1490.6	1302.1	1259.1	1105.8	1012.0	954.9	917.3	910.3
50°	6794.3	5902.0	2722.3	1309.1	1175.4	1133.2	1056.5	983.0	937.7	908.7	901.7
52.5°	7546.6	6342.3	2544.7	1166.0	1070.6	1040.1	1030.7	967.4	930.6	908.7	901.7
55°	8356.8	6790.4	2353.1	1045.6	979.9	988.5	1013.5	968.9	943.9	917.3	907.2
57.5°	9167.8	7253.4	2139.6	943.9	907.9	950.2	1001.8	972.1	951.0	925.1	915.8
60°	9809.0	7546.6	1808.8	858.7	850.9	907.9	973.6	948.6	921.2	922.0	920.5
62.5°	10108.6	7531.0	1443.6	782.8	793.8	850.9	928.3	911.9	889.2	919.7	922.0
65°	9940.4	7155.6	1123.8	714.0	732.8	791.4	881.4	893.9	901.7	960.3	968.2
67.5°	9235.0	6425.2	870.4	653.8	677.2	750.8	886.0	973.6	983.8	1045.6	1044.8
69°	*8505.4*	*5740.1*	*756.2*	*622.5*	*649.9*	*760.9*	*947.0*	*1024.5*	*986.1*	*1051.8*	*1042.4*
70°	7893.8	5198.2	695.2	601.4	637.4	778.9	987.7	1023.7	974.4	1030.7	1015.1
72.5°	6079.5	3739.7	589.7	562.3	595.1	745.3	999.4	1001.0	947.0	958.0	931.4
75°	4169.8	2363.3	514.6	509.1	531.0	671.8	961.9	956.4	875.9	860.2	838.3
77.5°	2299.2	1200.4	437.2	458.3	473.1	595.1	874.3	866.5	800.0	767.2	759.4
80°	886.8	525.5	369.1	407.4	416.8	515.4	766.4	759.4	703.8	661.6	649.9
82.5°	334.7	275.3	305.0	352.7	349.6	425.4	649.1	645.2	591.2	529.4	510.7
85°	154.8	165.0	241.6	290.9	268.2	315.2	519.3	526.3	460.6	387.1	387.1
87.5°	65.7	92.3	171.3	219.8	180.6	212.7	380.8	363.6	333.9	231.5	217.4
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

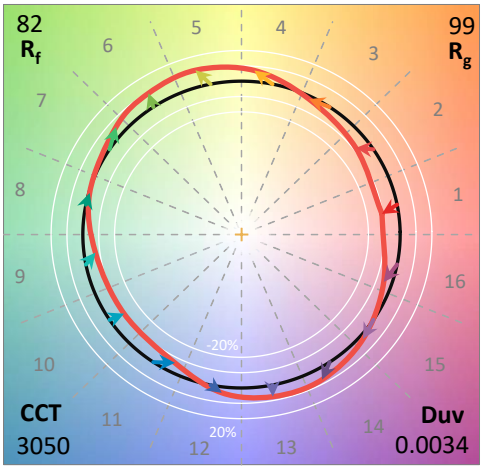
Test Information

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

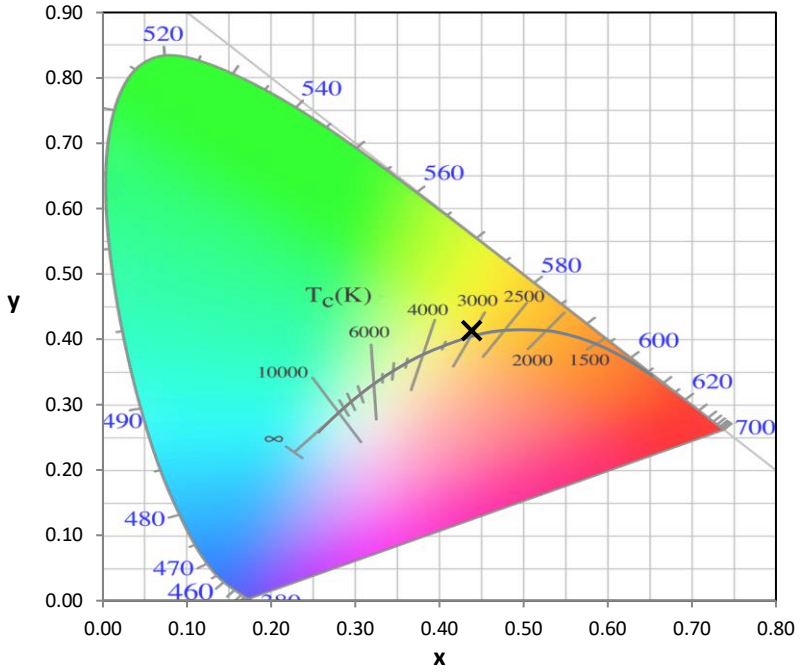
Stabilization Time:	20M
Operation Time:	1H 20M
Sphere Temperature (°C):	24.2

REPORT NUMBER: SP1-2408-195-9

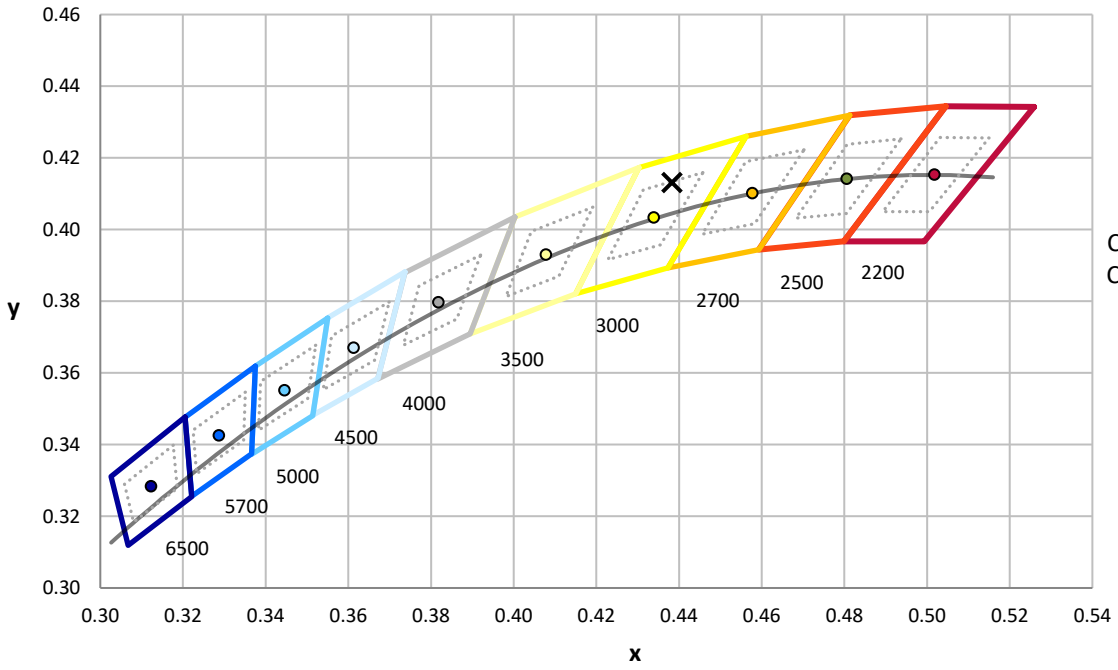
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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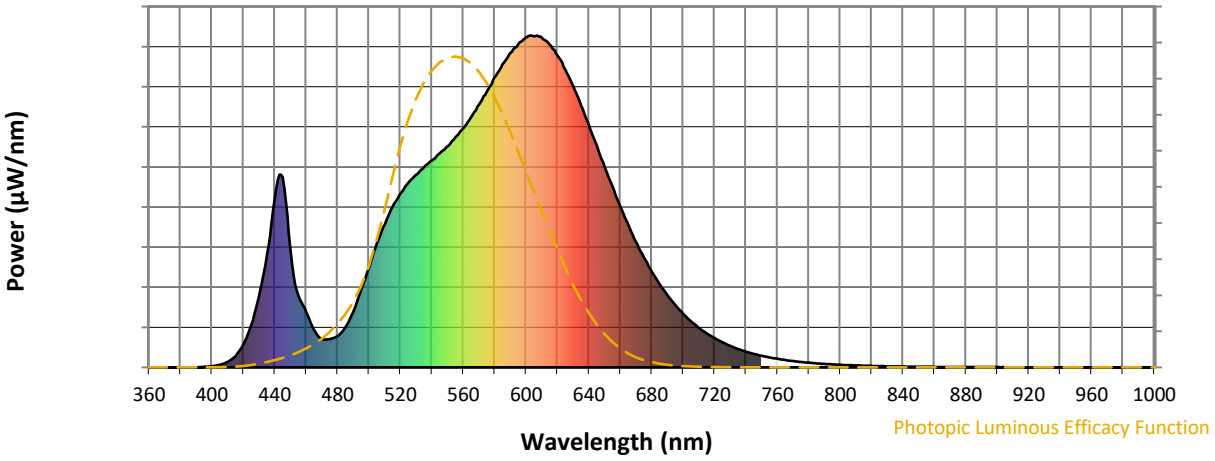
Photopic Flux vs. Wavelength



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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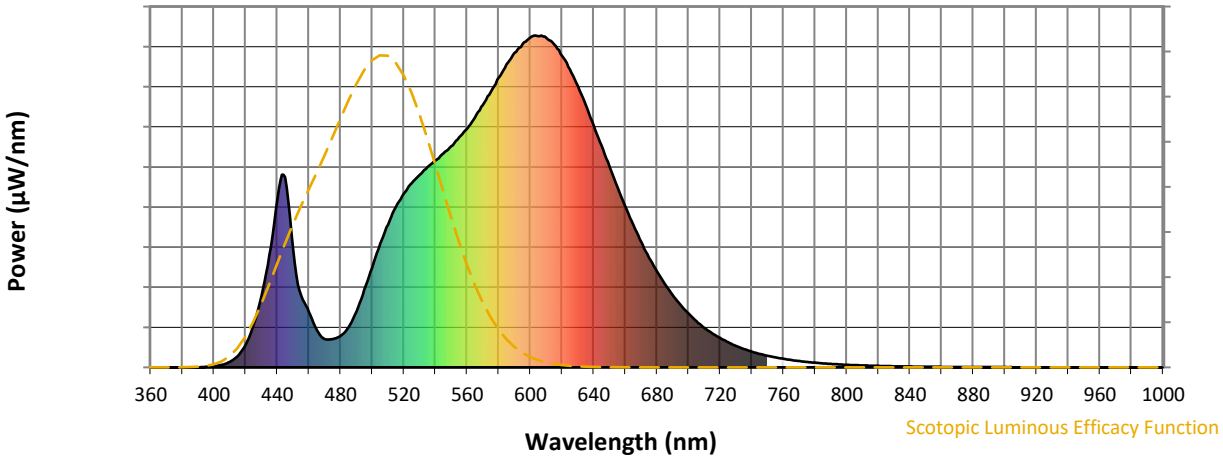
Scotopic Flux vs. Wavelength



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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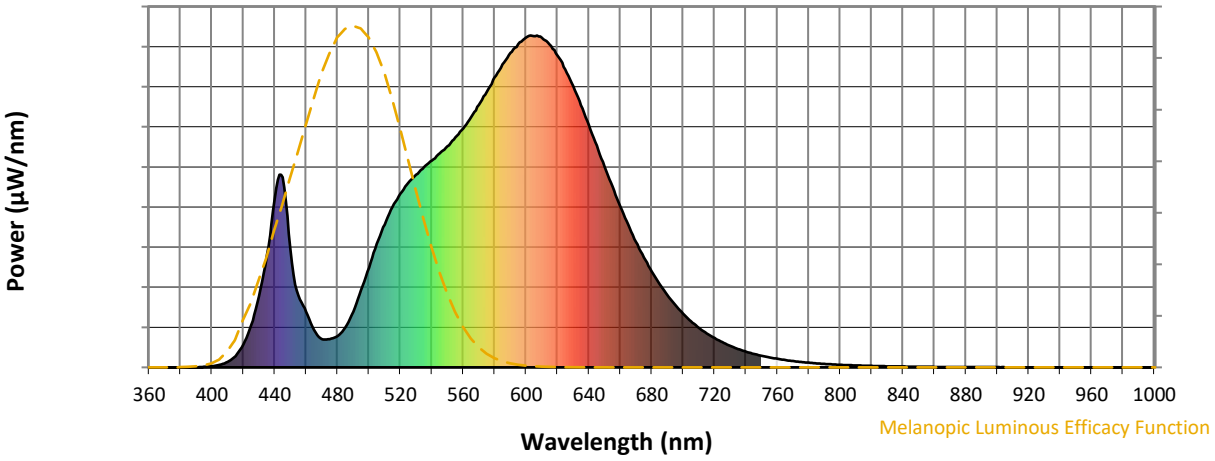
Melanopic Flux vs. Wavelength



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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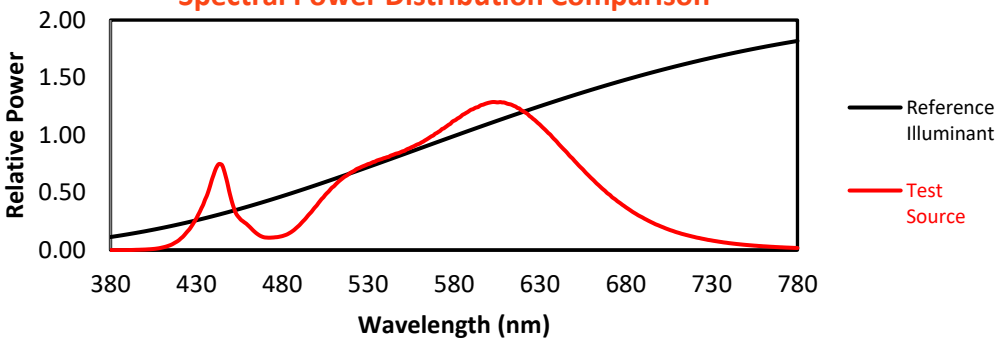
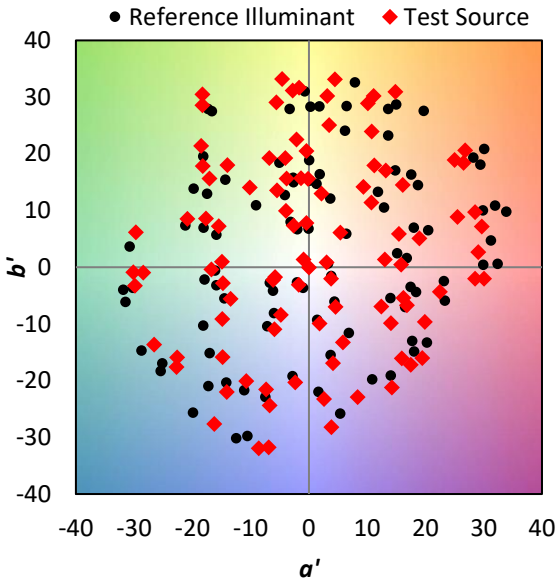
Summary

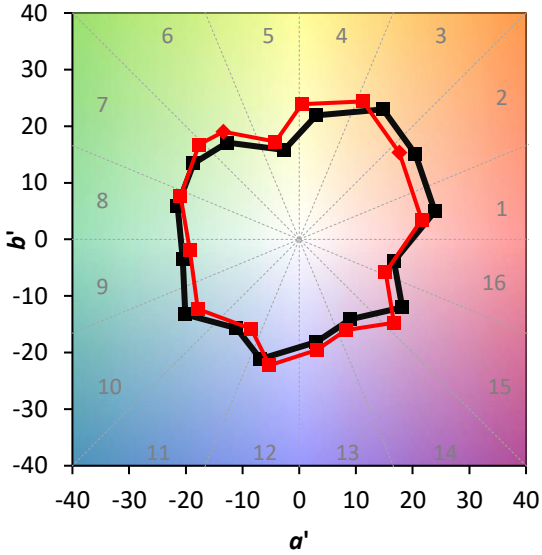
R_f = 81.5
R_g = 99.2
CIE R_a = 81.0
R_9 = 7.1

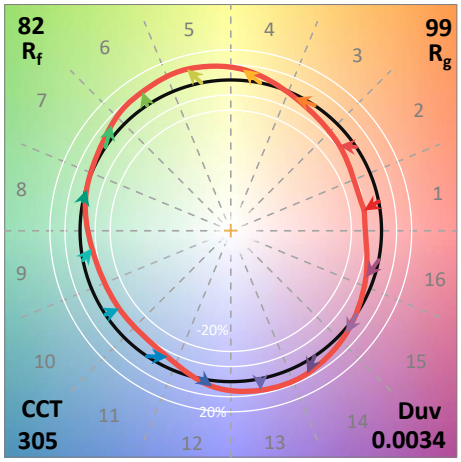
Spectral Power Distribution Comparison

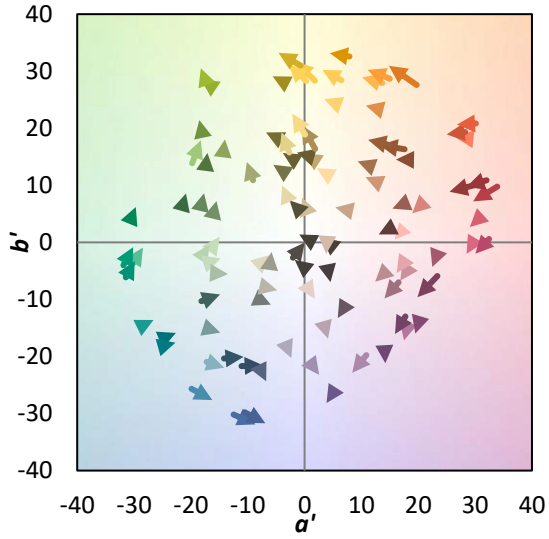


Color Vector Graphics









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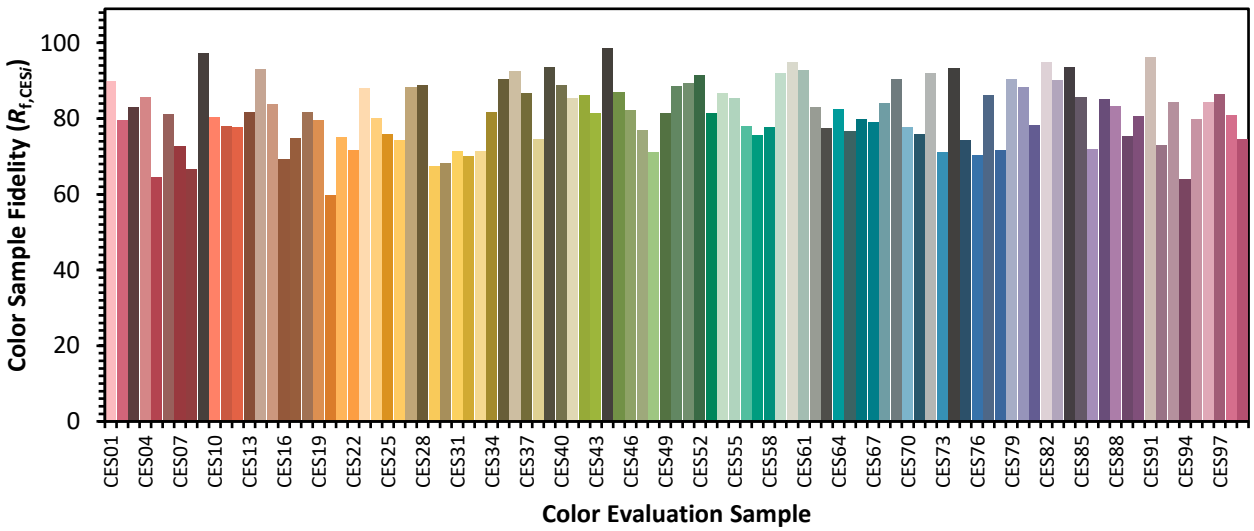
Individual Sample Fidelity Index ($R_{f,i}$)

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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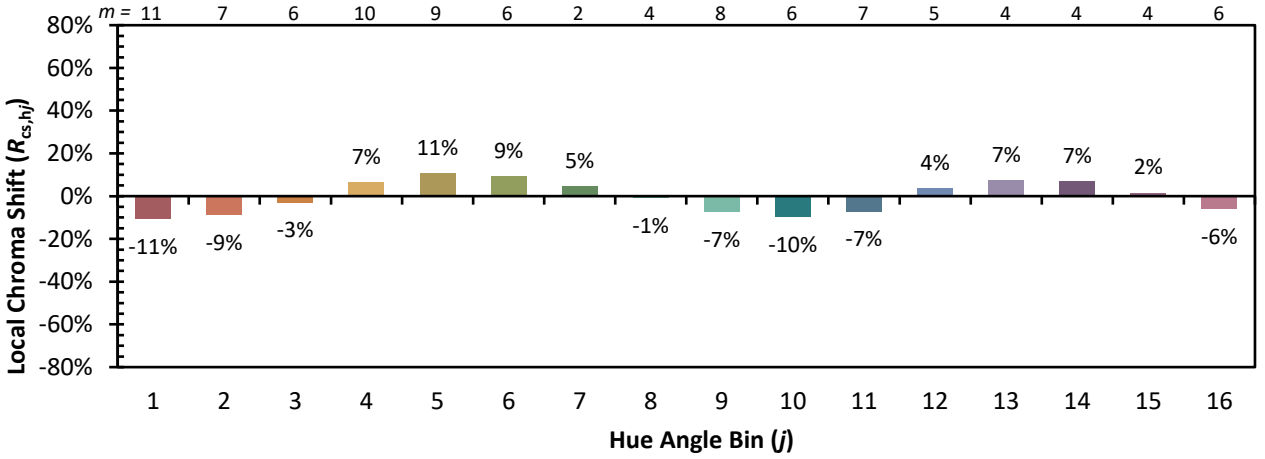
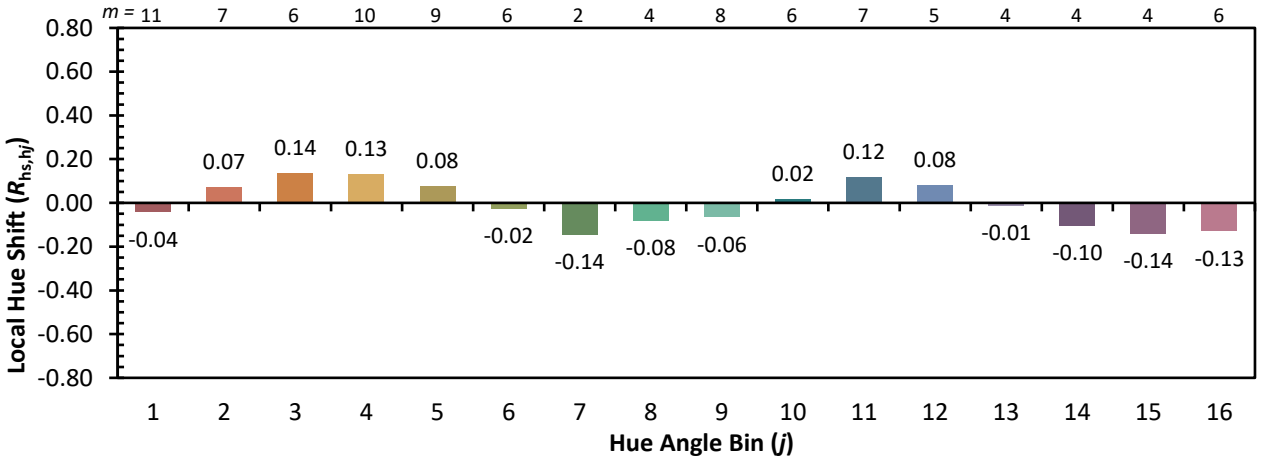
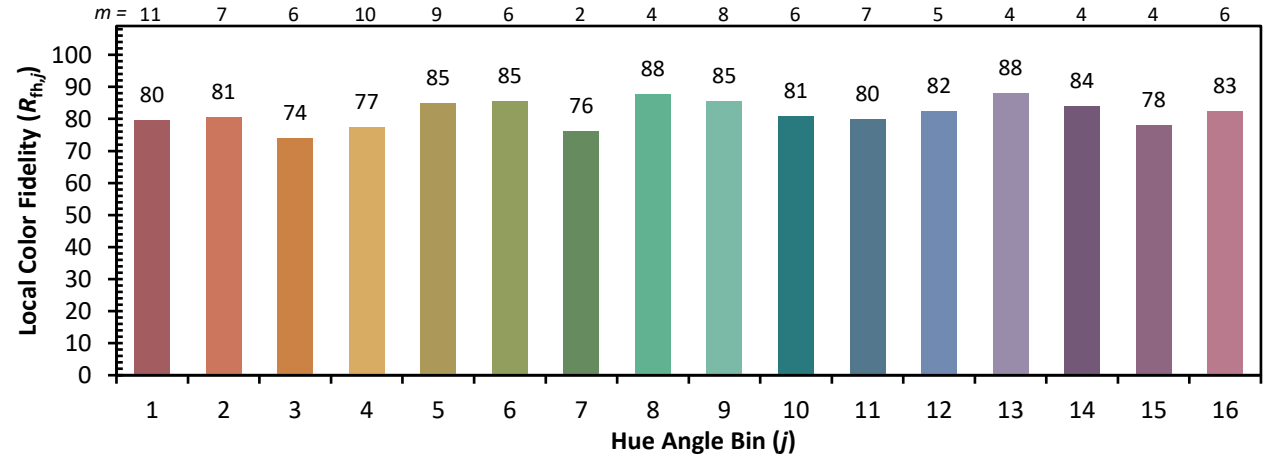
Color Rendition by Hue-Angle Bin







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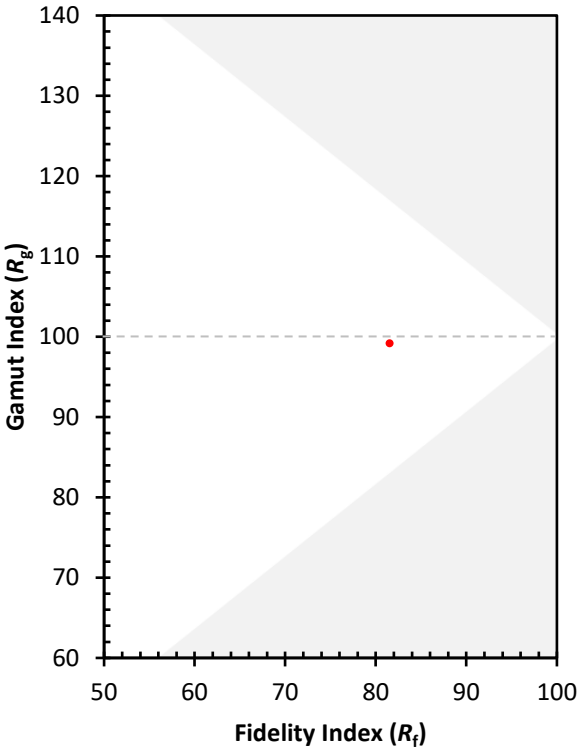
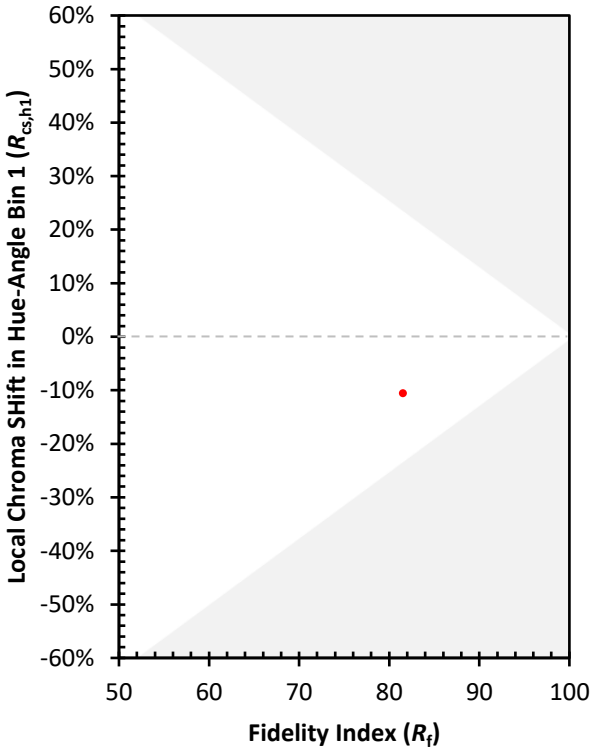
Measure Comparisons





(END OF REPORT)