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: P320159

Luminaire Tested: **GLEON-SA5B-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:	P320159
	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-SA5B-830-U-SL4
Description:	GALLEON AREA AND ROADWAY LUMINAIRE
	(5) 80 CRI, 3000K, 800mA 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:	21567 lumens
Efficiency:	N/A
Efficacy:	102.7 lumens/watt
Luminous Opening:	Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification:	Type IV - Short
BUG Rating:	B2 - U0 - G5

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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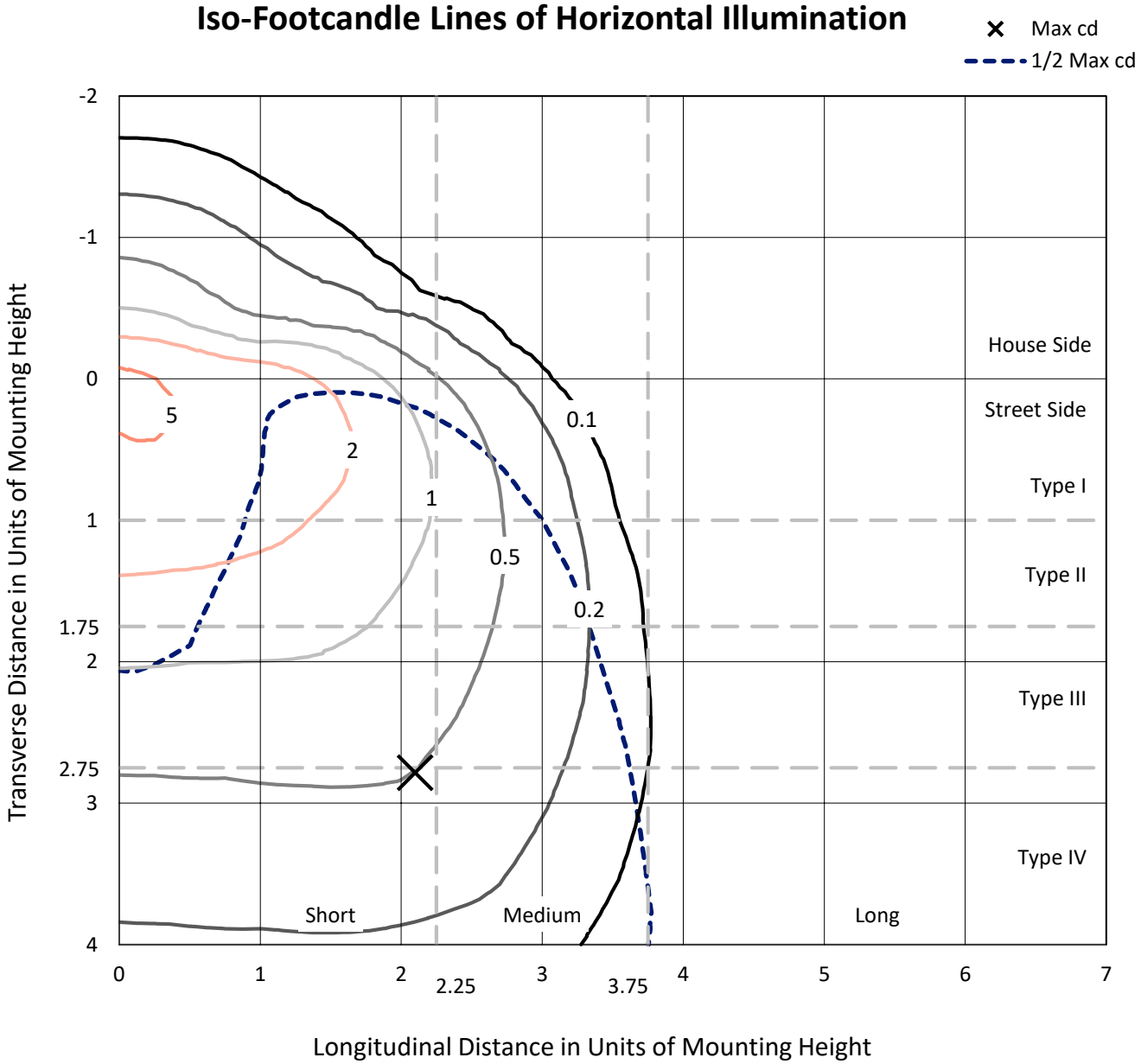
REPORT NUMBER: P320159
CATALOG NUMBER: GLEON-SA5B-830-U-SL4

Iso-Footcandle Lines of Horizontal Illumination



Based on 25 foot mounting height. Maximum calculated value = 6.2 fc
Type IV - Short - N/A

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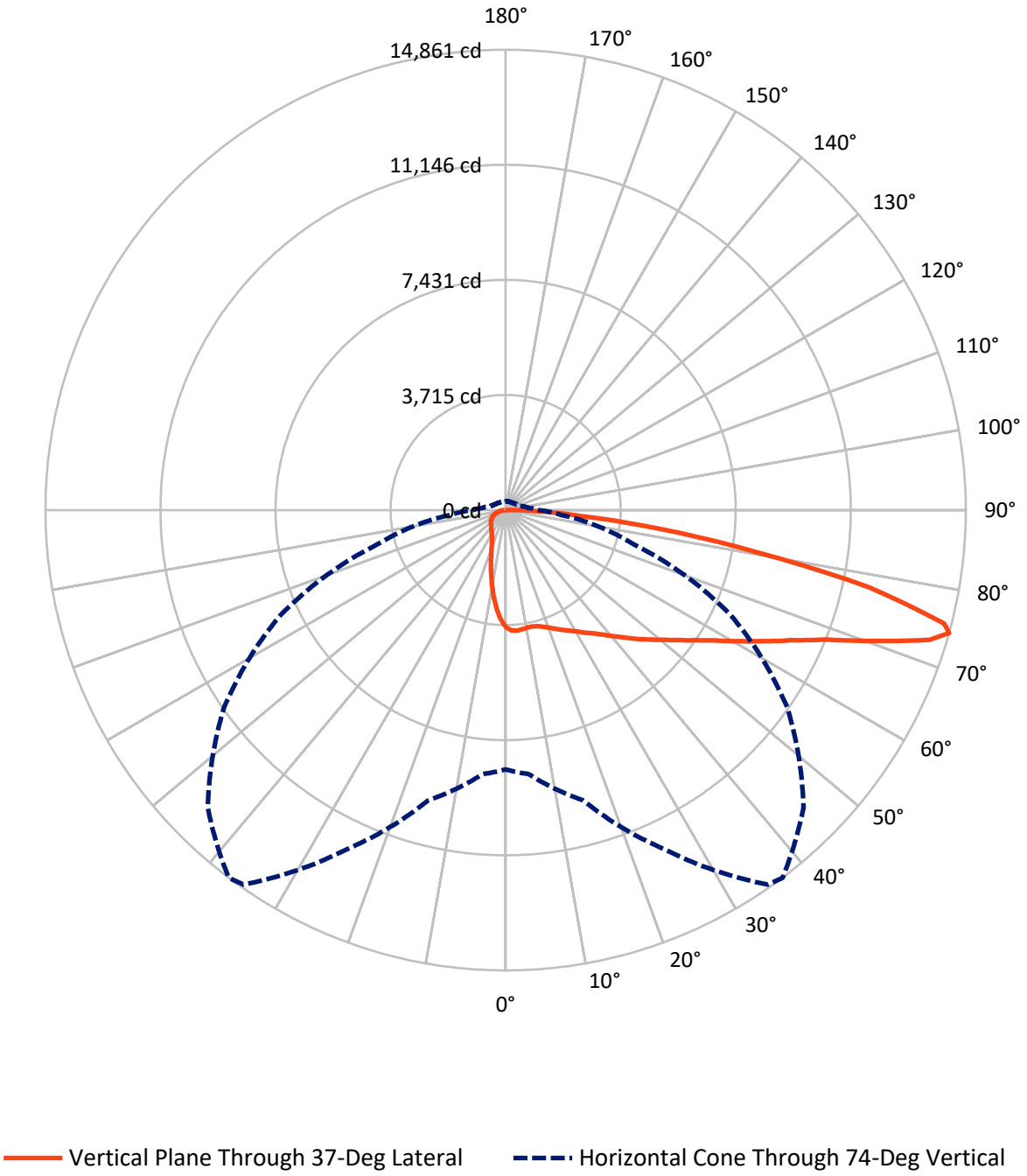
Luminous Intensity Polar Plot



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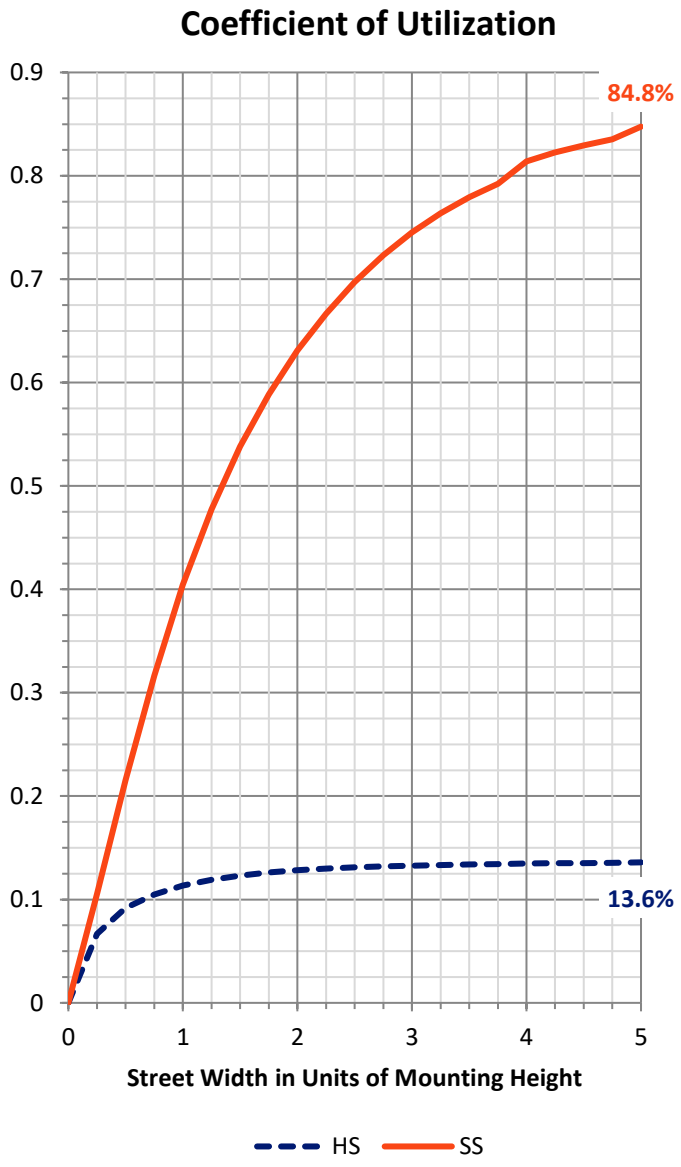
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2967.5	0.0	2967.5
	% Fixture	13.8	0.0	13.8
Street Side	Lumens	18599.5	0.0	18599.5
	% Fixture	86.2	0.0	86.2
Total	Lumens	21567.0	0.0	21567.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	334.6	1.6
10°-20°	857.8	4.0
20°-30°	1321.6	6.1
30°-40°	1921.9	8.9
40°-50°	2828.6	13.1
50°-60°	3972.3	18.4
60°-70°	5027.7	23.3
70°-80°	4427.1	20.5
80°-90°	875.3	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°	21567.0	100.0
0°-180°	21567.0	100.0



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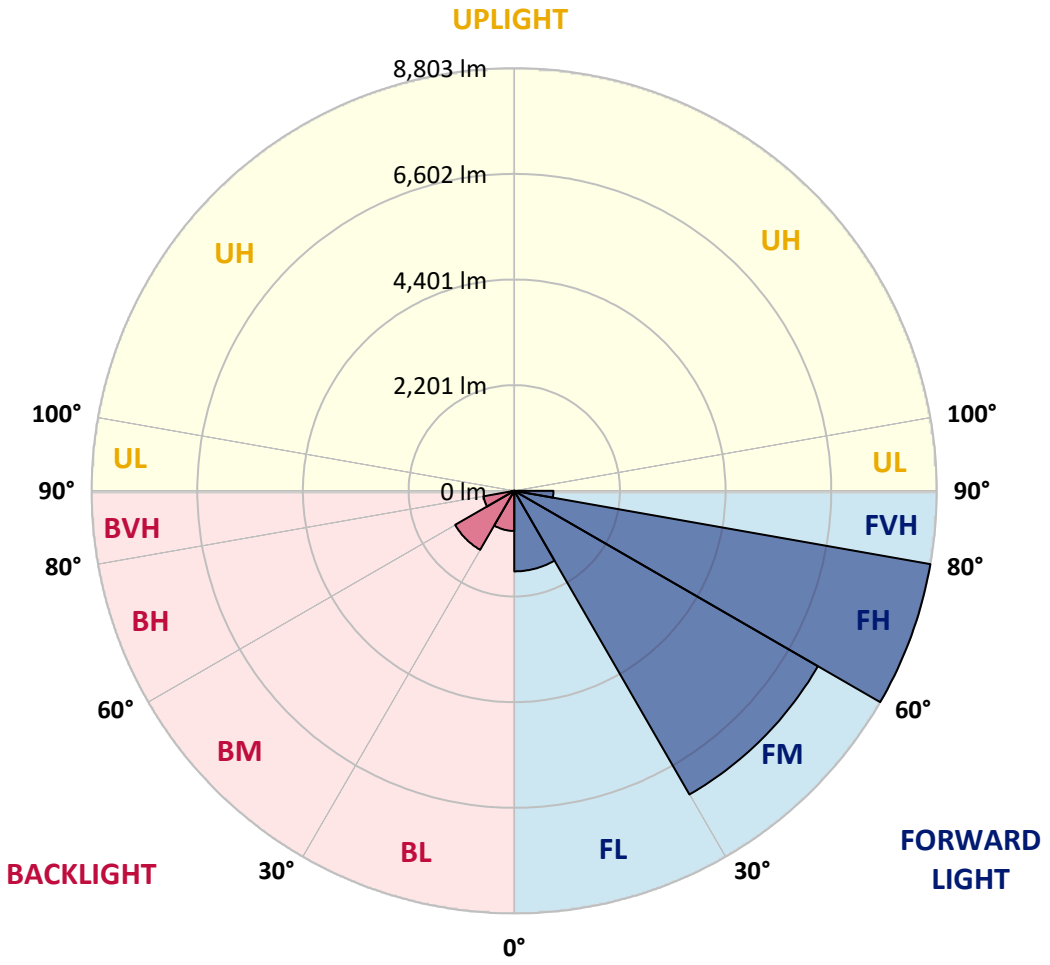
REPORT NUMBER: P320159
CATALOG NUMBER: GLEON-SA5B-830-U-SL4

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	1678.2	7.8			
FM	(30°-60°)	7302.8	33.9			
FH	(60°-80°)	8802.5	40.8			G4/12000
FVH	(80°-90°)	816.1	3.8			G5
BL	(0°-30°)	835.9	3.9	B2/1000		
BM	(30°-60°)	1420.0	6.6	B2/2500		
BH	(60°-80°)	652.3	3.0	B2/1000		G2/1000
BVH	(80°-90°)	59.3	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-G5
Type IV Short



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REPORT NUMBER: P320159
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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	37°	45°	55°	65°	75°	85°
0°	3800.0	3800.0	3800.0	3800.0	3800.0	*3800.0*	3800.0	3800.0	3800.0	3800.0	3800.0
2.5°	3929.9	3930.7	3929.9	3923.9	3909.4	*3897.3*	3887.4	3873.0	3841.0	3816.7	3780.3
5°	3967.2	3962.6	3959.6	3948.2	3925.4	*3911.7*	3892.7	3865.4	3812.9	3764.3	3705.1
7.5°	3949.7	3944.4	3937.5	3923.9	3898.0	*3886.6*	3860.0	3824.3	3761.3	3697.5	3612.4
10°	3895.7	3894.2	3891.2	3888.1	3866.1	*3857.0*	3832.7	3794.7	3732.4	3654.9	3555.4
12.5°	3835.7	3839.5	3851.7	3867.6	3857.8	*3853.2*	3838.0	3812.2	3748.4	3664.8	3544.8
15°	3797.7	3808.4	3841.0	3882.8	3891.2	*3889.7*	3885.9	3869.2	3801.5	3708.9	3569.1
17.5°	3784.8	3802.3	3864.6	3933.7	3958.0	*3963.4*	3964.9	3936.0	3860.8	3762.8	3594.1
20°	3808.4	3830.4	3921.6	4016.5	4055.3	*4058.3*	4051.5	4001.3	3917.0	3809.1	3607.8
22.5°	3879.8	3899.5	4013.5	4120.6	4164.7	*4169.2*	4148.7	4072.8	3976.3	3863.8	3626.8
25°	4017.3	4041.6	4155.6	4262.7	4285.5	*4286.2*	4256.6	4162.4	4053.8	3940.6	3667.8
27.5°	4196.6	4220.9	4323.5	4428.3	4416.1	*4409.3*	4369.0	4274.8	4154.8	4046.2	3740.8
30°	4396.4	4423.0	4520.2	4594.7	4565.8	*4552.1*	4519.5	4397.9	4295.3	4190.5	3852.4
32.5°	4603.0	4627.3	4712.4	4763.3	4726.9	*4720.8*	4671.4	4560.5	4478.4	4410.8	4033.2
35°	4815.0	4832.5	4916.0	4944.9	4896.3	*4894.8*	4881.1	4779.3	4727.6	4759.5	4296.1
37.5°	5031.5	5036.1	5107.5	5109.0	5094.6	*5100.6*	5115.1	5051.2	5065.7	5165.2	4638.0
40°	5224.5	5236.6	5288.3	5304.2	5329.3	*5350.6*	5422.7	5381.0	5492.6	5668.9	5063.4
42.5°	5367.3	5390.8	5473.6	5514.7	5596.0	*5629.4*	5731.2	5769.9	5994.8	6259.2	5569.4
45°	5488.1	5524.5	5657.5	5741.8	5879.3	*5937.8*	6083.7	6213.6	6562.3	6899.6	6101.9
47.5°	5618.7	5665.1	5831.5	5992.5	6179.4	*6245.5*	6510.6	6705.1	7167.8	7543.8	6604.1
50°	5810.9	5846.7	6009.2	6262.2	6495.4	*6580.5*	6947.5	7226.3	7783.1	8157.7	7039.4
52.5°	6079.1	6065.4	6203.0	6557.7	6870.7	*6975.6*	7413.9	7780.9	8406.8	8713.0	7407.1
55°	6348.8	6326.0	6422.5	6866.9	7308.3	*7418.5*	7927.5	8337.7	9000.2	9212.9	7688.9
57.5°	6648.9	6605.6	6686.9	7215.6	7806.7	*7938.1*	8502.6	8929.5	9583.6	9617.0	7868.2
60°	6958.1	6899.6	6990.8	7647.9	8439.5	*8594.5*	9175.7	9506.9	10133.6	9940.7	7926.0
62.5°	7228.6	7187.5	7328.1	8130.3	9152.9	*9323.0*	9836.6	10120.7	10676.1	10075.1	7717.8
65°	7464.8	7471.7	7714.8	8672.7	9948.3	*10129.8*	10594.8	10877.4	11103.0	9995.4	7230.8
67.5°	7746.7	7785.4	8200.2	9386.9	10949.6	*11148.6*	11697.9	11702.4	11341.6	9527.4	6272.1
70°	8157.7	8237.4	8868.0	10377.5	12373.2	*12646.7*	13070.6	12187.1	11006.5	8258.7	4935.0
72.5°	8522.3	8671.2	9578.3	11511.0	14108.4	*14315.8*	13873.7	11907.5	9606.4	6189.3	3074.5
74°	*8374.2*	*8558.8*	*9707.5*	*12069.4*	*14761.7*	*14861.3*	*13602.4*	*11091.6*	*8009.5*	*4286.2*	*1786.8*
75°	8055.1	8255.7	9519.0	12064.0	14678.9	*14623.5*	12947.6	10159.5	6596.5	2923.3	1188.9
77.5°	6500.8	6712.7	8020.9	10339.5	12035.9	*11983.5*	9946.0	6815.3	2889.1	958.7	604.0
80°	3779.5	3941.3	4979.1	6566.1	8115.9	*8210.8*	6541.0	3372.3	1136.5	538.6	409.5
82.5°	1678.9	1790.6	2405.2	3351.8	4897.8	*5020.1*	3425.5	1767.1	702.0	327.4	246.1
85°	1101.6	1184.4	1460.1	1596.1	2332.3	*2415.8*	1676.7	1375.8	463.4	180.0	180.8
87.5°	792.4	872.1	1084.9	947.3	1070.4	*1013.4*	912.4	1273.3	186.1	102.6	60.8
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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Scaled Data Report

REPORT NUMBER: P320159
CATALOG NUMBER: GLEON-SA5B-830-U-SL4

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	3800.0	3800.0	3800.0	3800.0	3800.0	3800.0	3800.0	3800.0	3800.0	3800.0	3800.0
2.5°	3764.3	3752.2	3724.8	3673.2	3644.3	3620.0	3579.7	3556.2	3545.5	3544.8	3549.3
5°	3670.9	3642.8	3572.1	3485.5	3416.4	3353.3	3275.1	3228.0	3194.5	3174.8	3180.1
7.5°	3562.2	3518.2	3407.3	3269.0	3158.1	3035.8	2915.0	2842.8	2786.6	2744.8	2752.4
10°	3487.8	3427.0	3265.2	3066.2	2881.5	2703.8	2537.4	2437.9	2358.9	2298.1	2302.7
12.5°	3462.7	3380.7	3156.6	2890.7	2631.6	2388.5	2171.2	2018.5	1937.2	1868.1	1873.4
15°	3466.5	3356.4	3065.4	2732.6	2406.7	2100.6	1837.0	1658.4	1548.3	1500.4	1501.2
17.5°	3469.6	3328.2	2969.7	2563.2	2184.1	1831.6	1545.2	1364.4	1260.3	1216.3	1217.0
20°	3459.7	3282.7	2851.2	2368.7	1951.7	1584.7	1307.4	1154.0	1075.0	1040.8	1040.8
22.5°	3446.8	3228.7	2717.4	2173.5	1722.2	1370.5	1137.3	1020.3	974.7	951.9	951.1
25°	3452.8	3188.5	2580.7	1972.9	1511.0	1199.6	1024.1	946.6	916.2	901.8	901.0
27.5°	3485.5	3169.5	2454.6	1773.1	1326.4	1071.2	948.1	893.4	873.7	864.5	864.5
30°	3544.8	3169.5	2323.2	1603.0	1173.0	976.2	889.6	852.4	838.7	832.6	832.6
32.5°	3648.1	3186.9	2196.3	1434.3	1050.7	901.8	841.0	815.9	805.3	802.2	802.2
35°	3825.9	3246.2	2072.5	1274.8	951.9	841.0	794.6	780.2	772.6	771.9	774.1
37.5°	4075.8	3367.0	1956.2	1157.0	882.0	791.6	755.9	744.5	739.9	743.7	746.8
40°	4390.3	3531.1	1850.6	1050.7	828.8	752.1	720.2	712.6	710.3	715.6	720.2
42.5°	4770.2	3752.9	1764.0	973.9	787.8	718.7	689.8	680.7	678.4	684.5	690.6
45°	5181.2	3991.5	1703.2	917.0	755.9	693.6	663.2	653.3	648.8	651.8	658.7
47.5°	5554.9	4217.1	1678.9	876.7	725.5	672.3	639.7	627.5	619.9	618.4	623.7
50°	5870.2	4385.0	1690.3	852.4	701.2	648.8	616.9	603.2	591.8	585.0	588.8
52.5°	6099.6	4490.6	1701.0	841.7	682.2	623.0	591.8	578.9	563.7	552.3	552.3
55°	6266.0	4514.9	1677.4	833.4	667.8	594.8	563.7	551.5	536.3	523.4	521.9
57.5°	6331.3	4446.5	1590.1	821.2	657.9	568.3	534.1	525.0	512.0	496.8	496.1
60°	6243.2	4235.3	1421.4	795.4	645.0	546.2	504.4	498.4	492.3	477.9	477.1
62.5°	5889.2	3771.9	1203.4	743.0	619.2	522.7	477.1	480.1	480.9	471.0	469.5
65°	5247.3	3135.3	990.6	674.6	580.4	494.6	449.0	463.4	471.8	470.3	468.0
67.5°	4314.3	2440.2	839.5	602.4	529.5	455.8	418.6	435.3	442.1	447.5	445.9
70°	3202.1	1720.7	694.4	526.5	468.0	410.2	379.1	387.4	382.9	389.0	391.2
72.5°	1785.3	1032.4	566.0	450.5	404.2	357.1	335.0	333.5	323.6	323.6	323.6
74°	*1071.2*	*757.4*	*497.6*	*403.4*	*365.4*	*322.1*	*303.1*	*296.3*	*287.2*	*287.9*	*287.2*
75°	861.5	651.1	456.6	372.3	338.1	301.6	282.6	273.5	266.7	266.7	265.9
77.5°	543.9	494.6	367.7	296.3	270.5	248.4	235.5	223.4	223.4	222.6	221.8
80°	411.0	393.5	286.4	224.1	207.4	190.7	182.3	177.0	177.0	179.3	178.5
82.5°	281.8	296.3	201.3	156.5	148.1	136.0	134.5	135.2	132.9	129.9	129.1
85°	205.9	222.6	136.0	98.8	90.4	82.8	88.9	91.9	88.1	81.3	78.2
87.5°	79.0	145.9	72.9	41.0	38.0	32.7	38.0	39.5	42.5	33.4	34.2
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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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

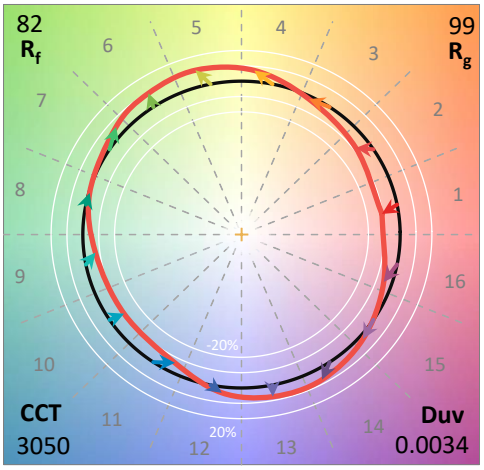
Test Information

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

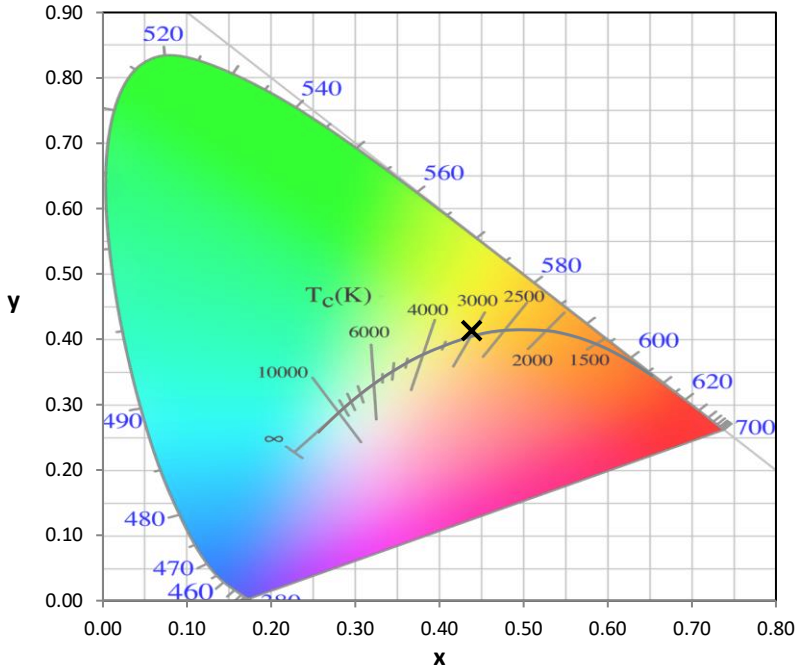
Stabilization Time:	20M
Operation Time:	1H 20M
Sphere Temperature (°C):	24.2

REPORT NUMBER: SP1-2408-195-9

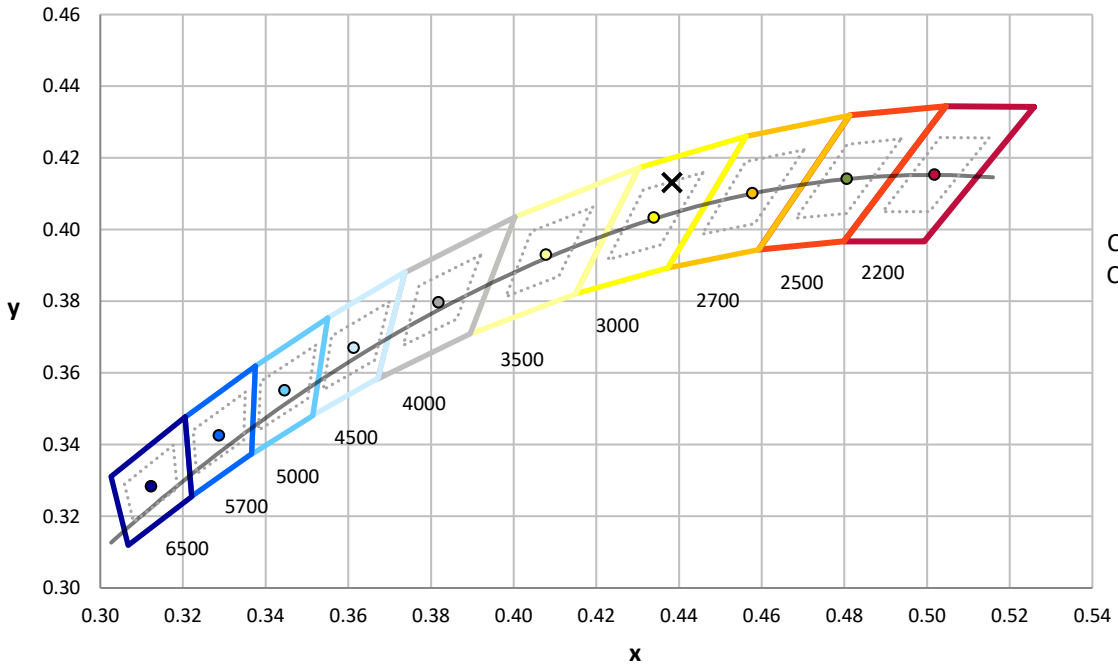
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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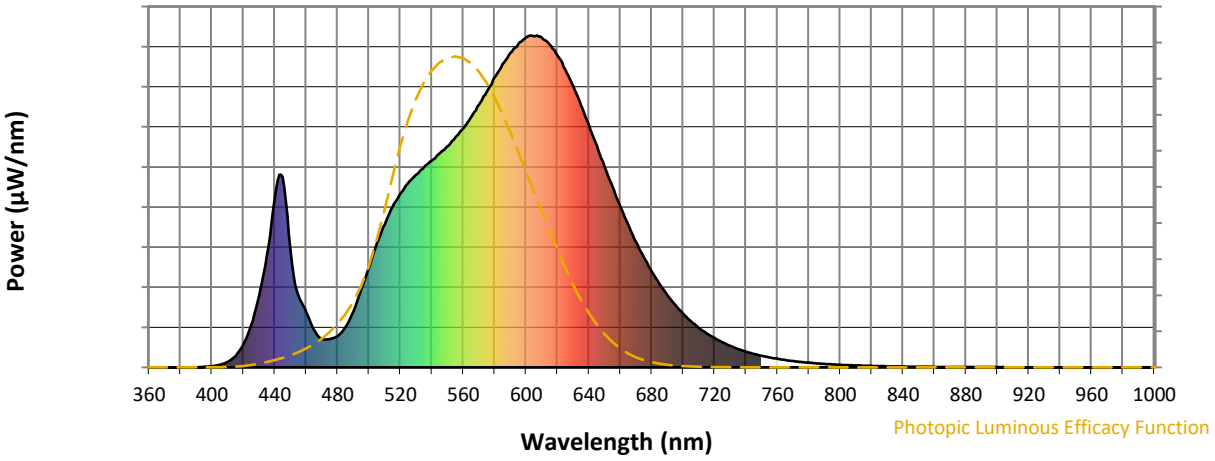
Photopic Flux vs. Wavelength



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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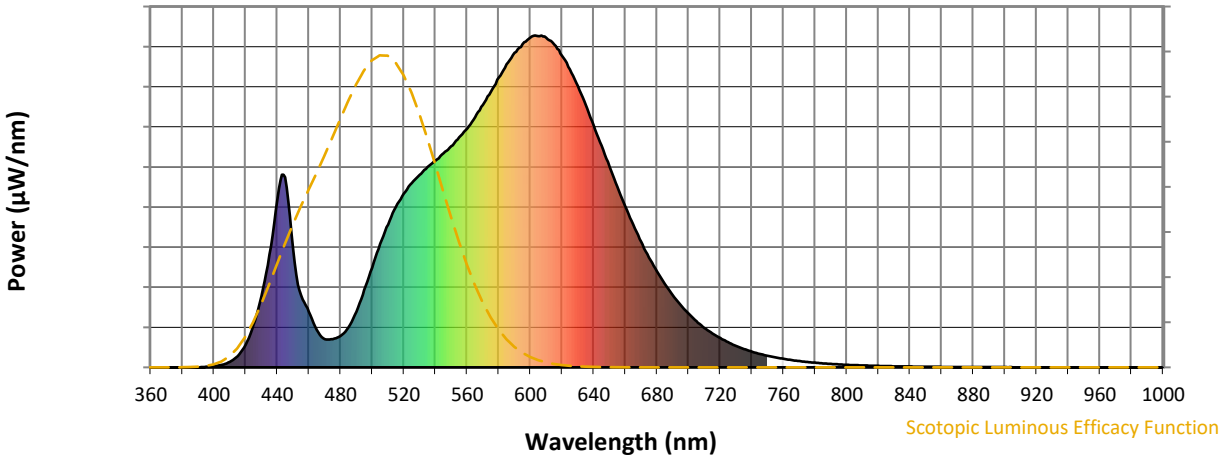
Scotopic Flux vs. Wavelength



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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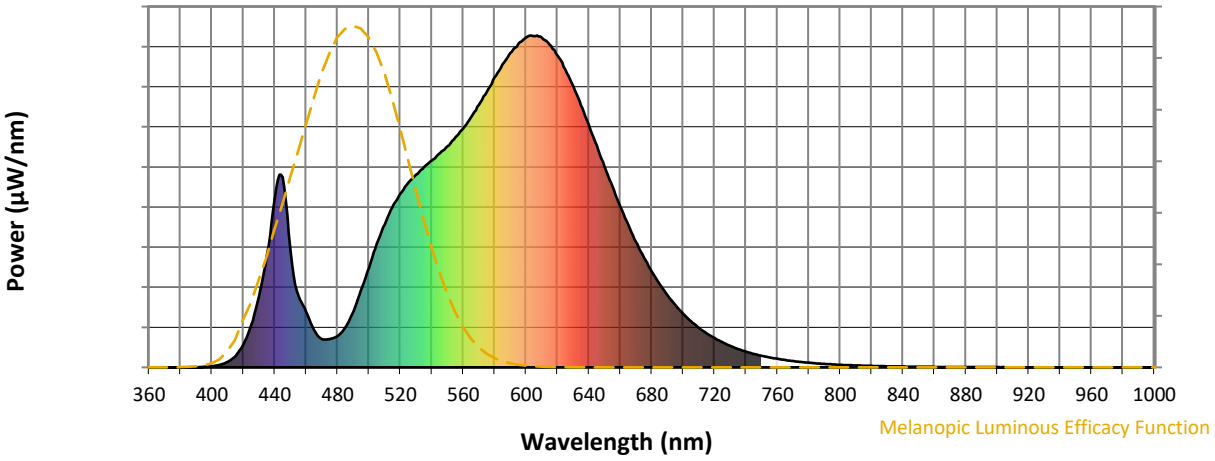
Melanopic Flux vs. Wavelength



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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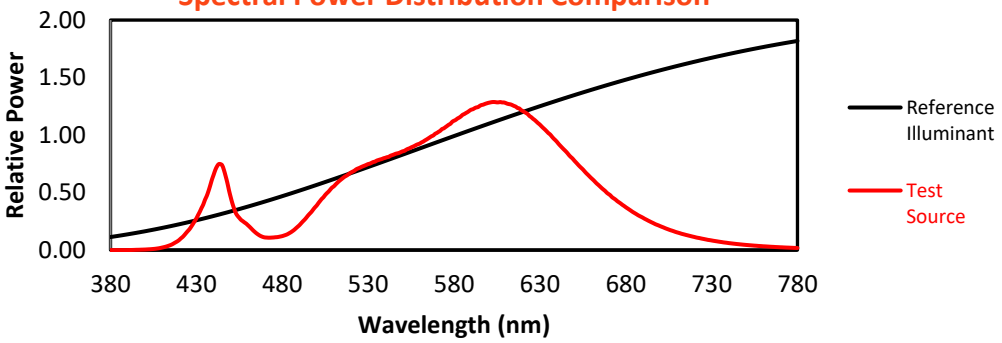
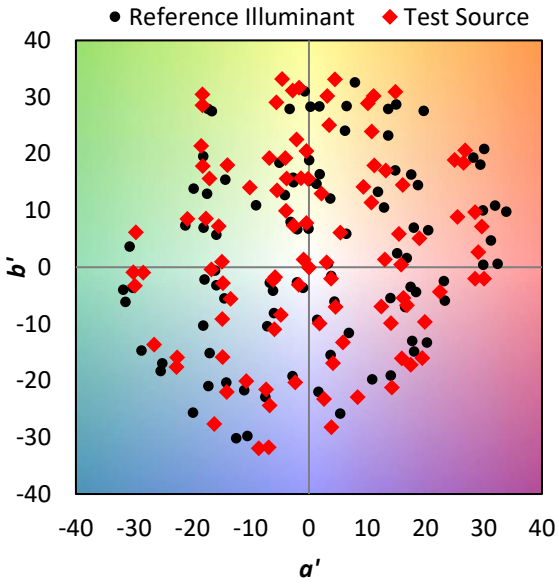
Summary

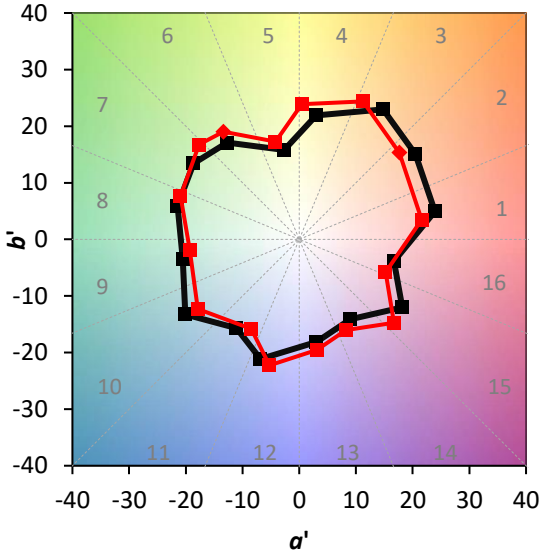
R_f = 81.5
R_g = 99.2
CIE R_a = 81.0
R_9 = 7.1

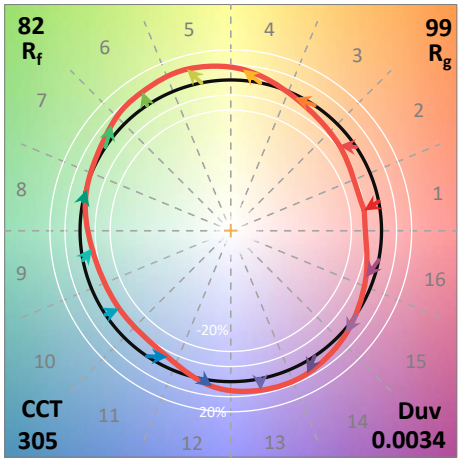
Spectral Power Distribution Comparison

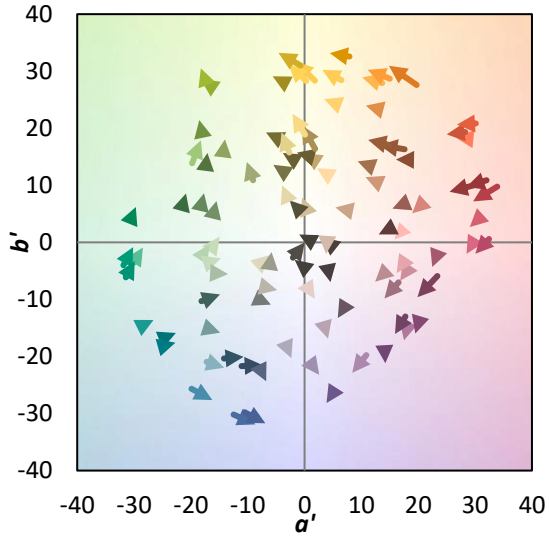


Color Vector Graphics









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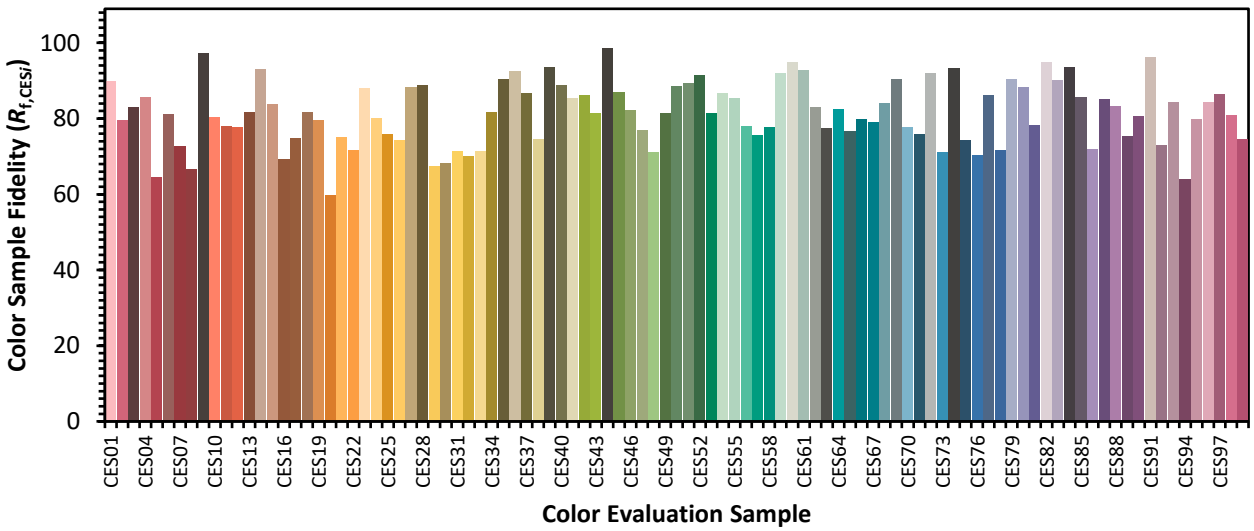
Individual Sample Fidelity Index ($R_{f,i}$)

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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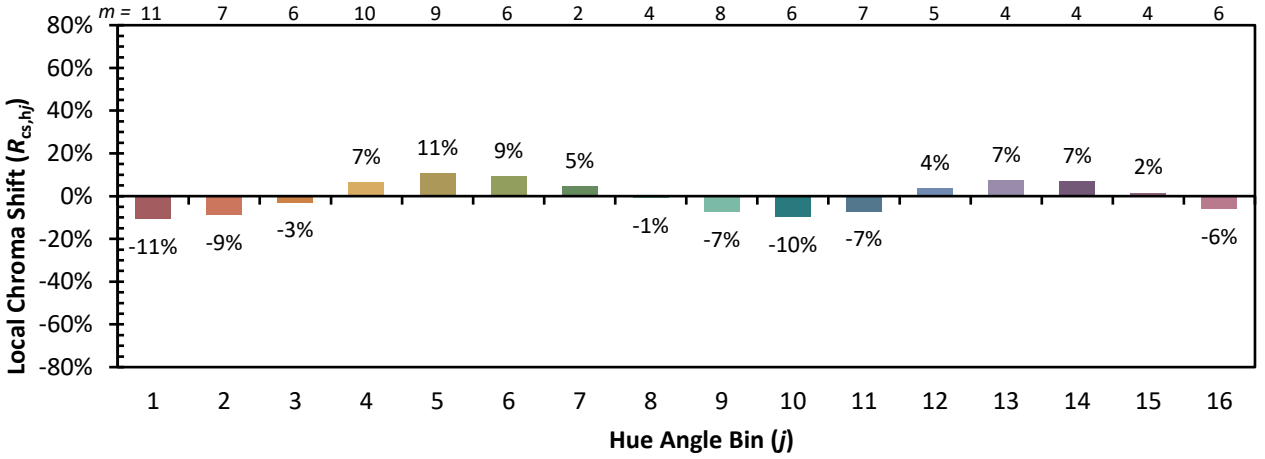
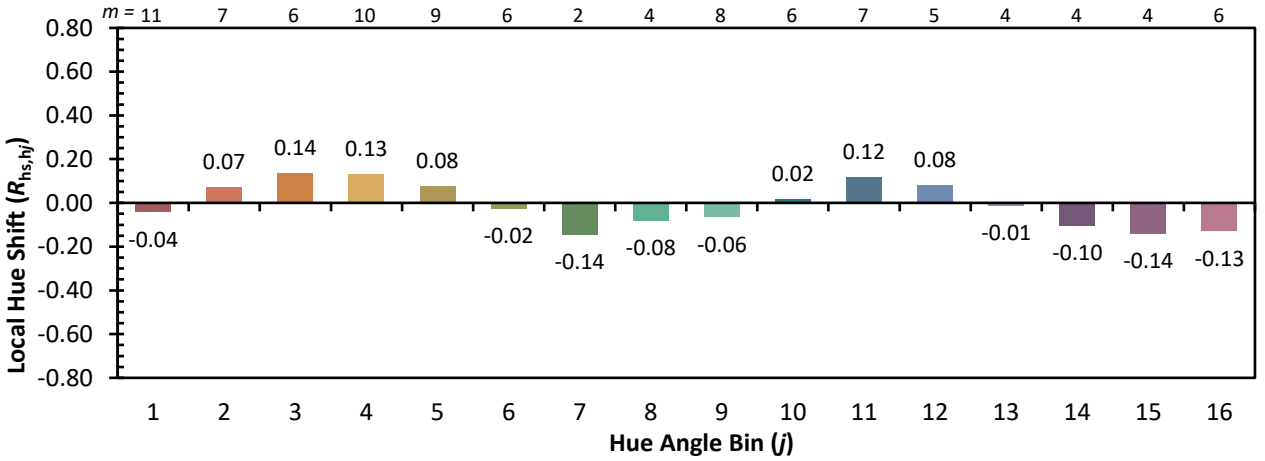
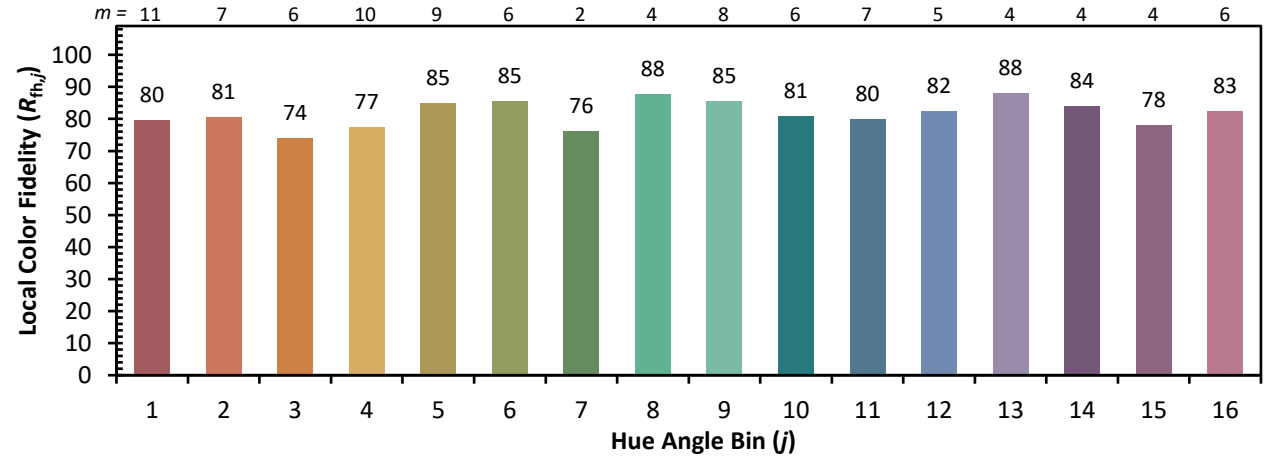
Color Rendition by Hue-Angle Bin







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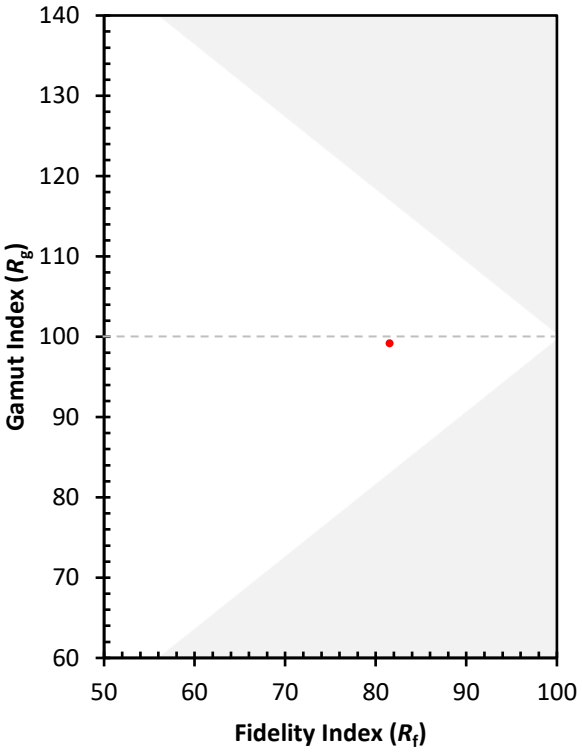
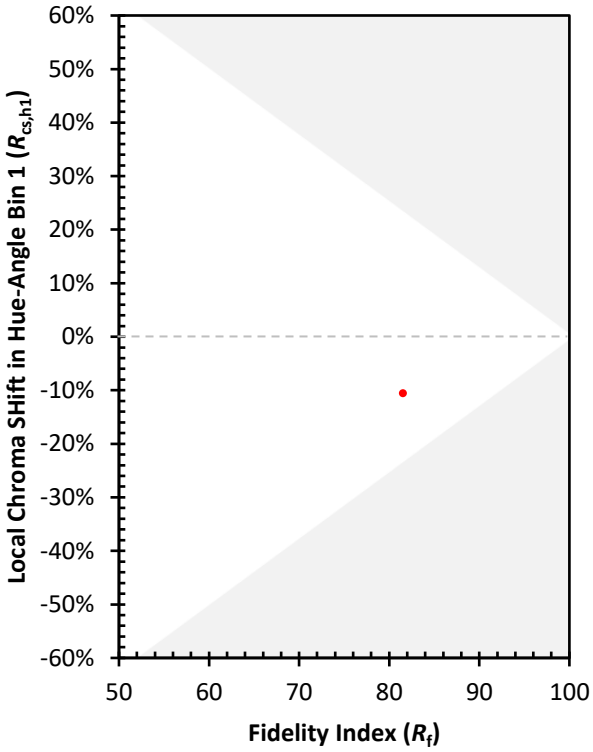
Measure Comparisons





(END OF REPORT)