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: P321117

Luminaire Tested: **GLEON-SA3B-830-U-AFL**

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:	P321117
	TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-29)
Test Lab:	INNOVATION CENTER
Issue Date:	3/3/2020
Manufacturer:	COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line:	McGRAW-EDISON
Catalog Number:	GLEON-SA3B-830-U-AFL
Description:	GALLEON AREA AND ROADWAY LUMINAIRE
	(3) 80 CRI, 3000K, 800mA LIGHTSQUARES WITH 16 LEDS EACH AND AUTOMOTIVE FRONTLINE OPTICS
Light Source:	-
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	14223 lumens
Efficiency:	N/A
Efficacy:	114.7 lumens/watt
Luminous Opening:	Rectangular (W 1' x L: 1' x H: 0')
IES Classification:	Type II - Short
BUG Rating:	B2 - U0 - G2

Input Watts (W):	124
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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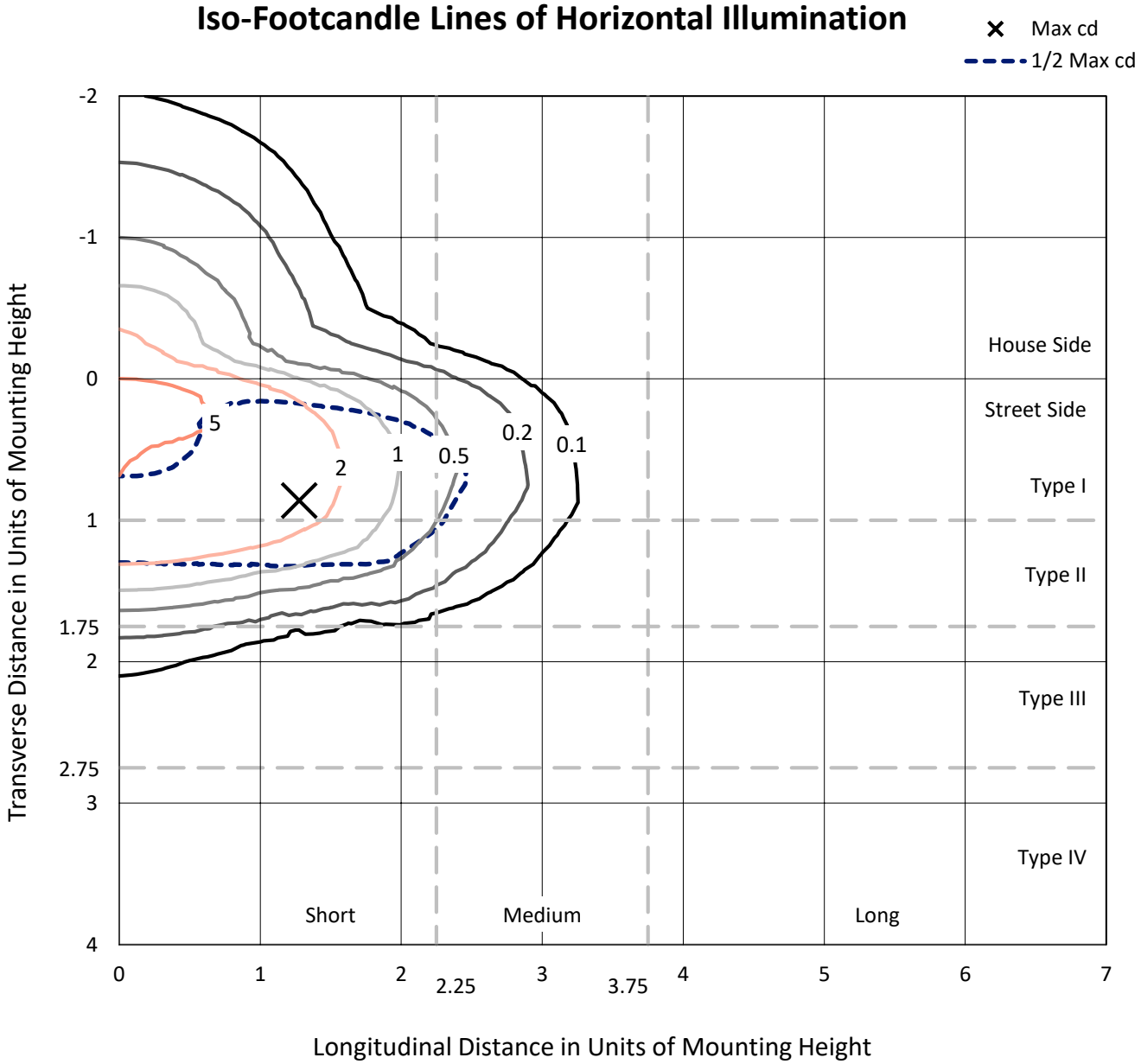
Scaled Data Report

REPORT NUMBER: P321117
CATALOG NUMBER: GLEON-SA3B-830-U-AFL

Iso-Footcandle Lines of Horizontal Illumination



Based on 25 foot mounting height. Maximum calculated value = 7 fc
Type II - Short - N/A

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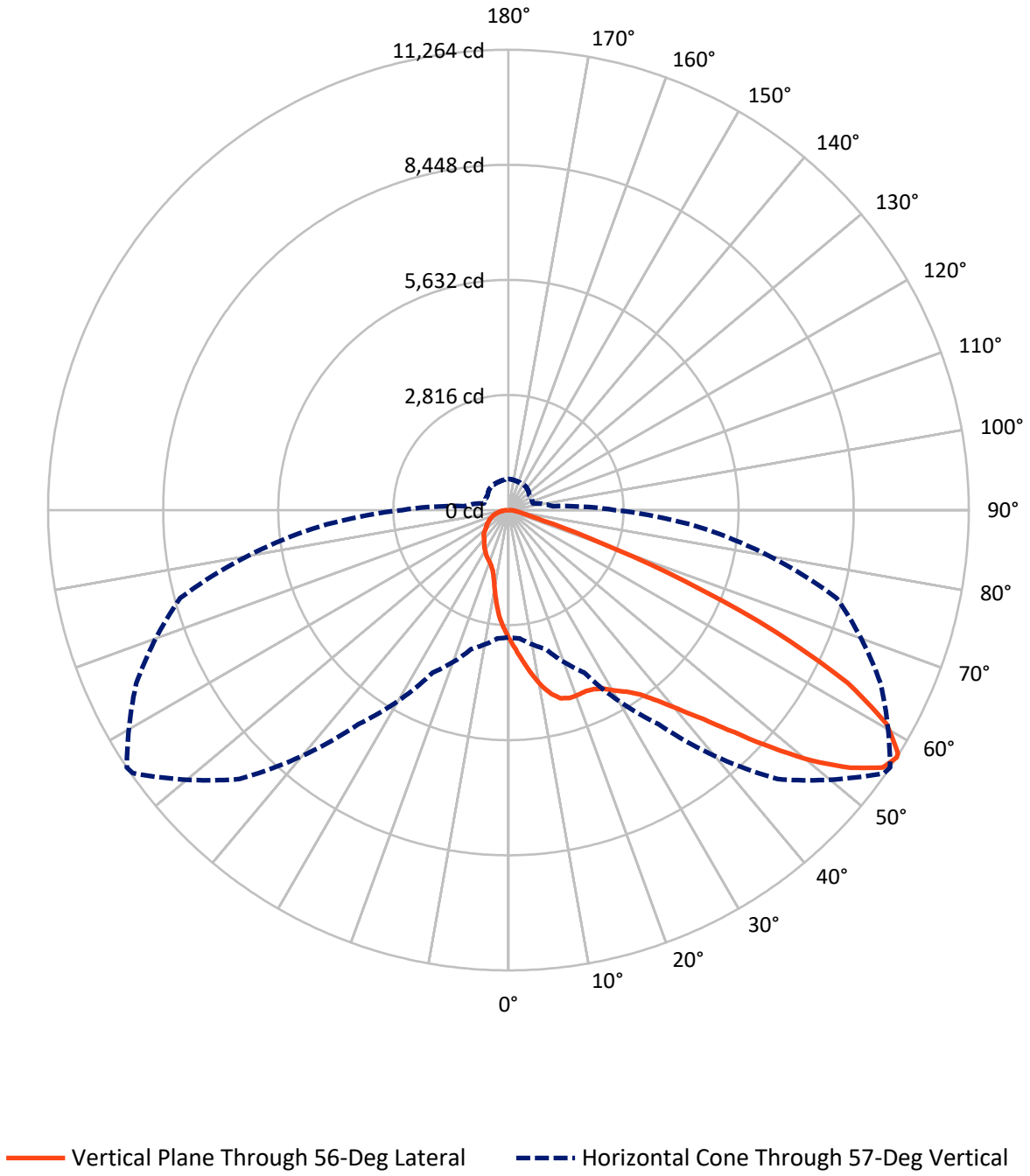
Luminous Intensity Polar Plot



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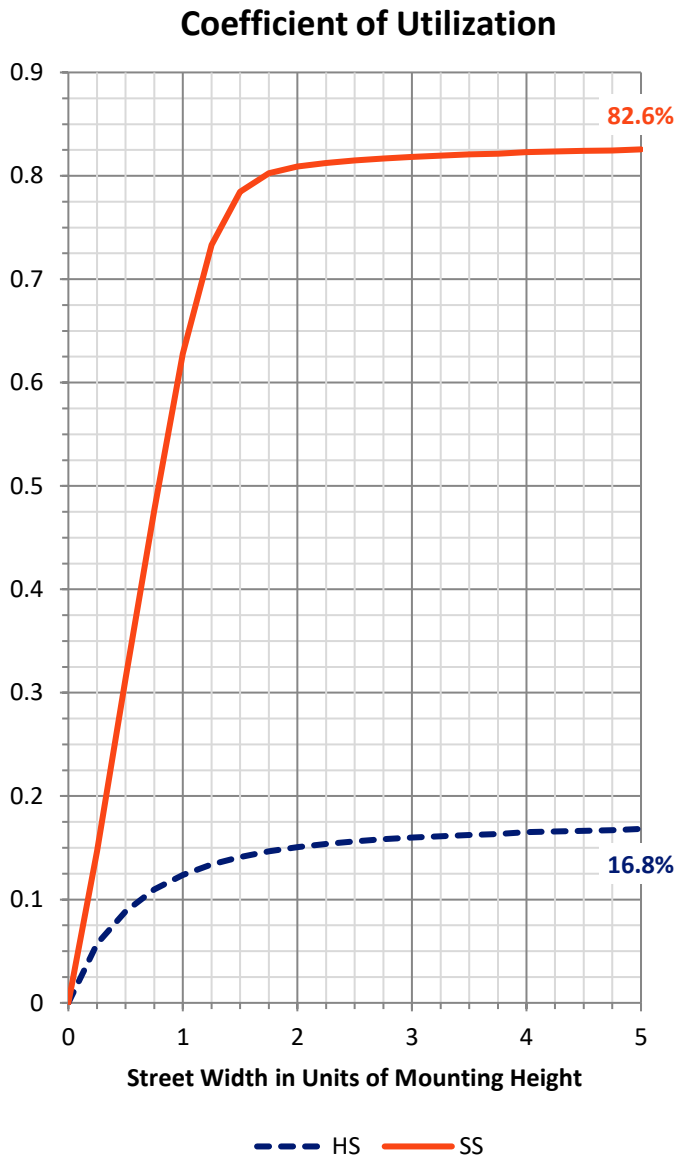
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2451.7	0.0	2451.7
	% Fixture	17.2	0.0	17.2
Street Side	Lumens	11771.3	0.0	11771.3
	% Fixture	82.8	0.0	82.8
Total	Lumens	14223.0	0.0	14223.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	301.4	2.1
10°-20°	852.0	6.0
20°-30°	1387.7	9.8
30°-40°	2074.5	14.6
40°-50°	3146.6	22.1
50°-60°	3526.7	24.8
60°-70°	2083.0	14.6
70°-80°	682.5	4.8
80°-90°	168.6	1.2
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°	14223.0	100.0
0°-180°	14223.0	100.0



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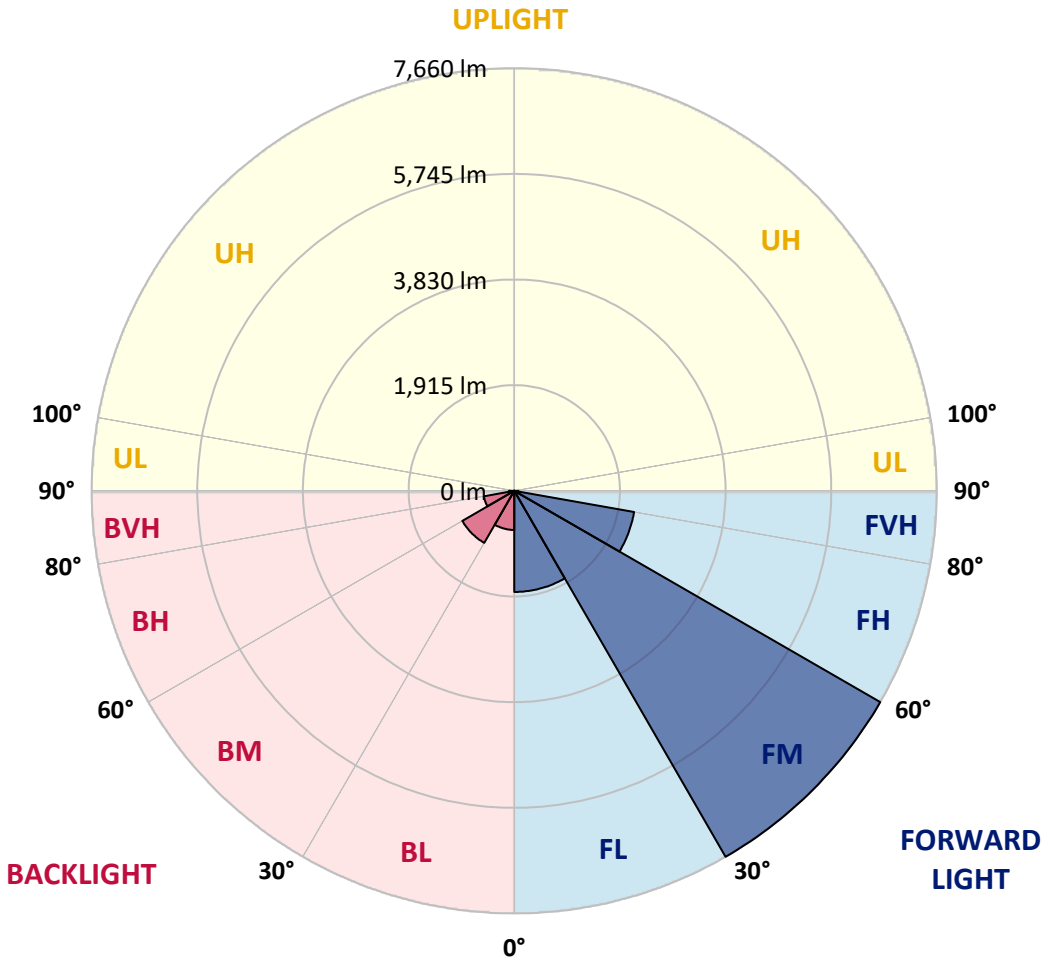
Scaled Data Report

REPORT NUMBER: P321117
CATALOG NUMBER: GLEON-SA3B-830-U-AFL

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	1832.1	12.9			
FM	(30°-60°)	7659.6	53.9			
FH	(60°-80°)	2205.3	15.5			G2/5000
FVH	(80°-90°)	74.2	0.5			G1/100
BL	(0°-30°)	708.9	5.0	B2/1000		
BM	(30°-60°)	1088.3	7.7	B2/2500		
BH	(60°-80°)	560.2	3.9	B2/1000		G2/1000
BVH	(80°-90°)	94.4	0.7			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G2
Type II Short



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Scaled Data Report

REPORT NUMBER: P321117
CATALOG NUMBER: GLEON-SA3B-830-U-AFL

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	56°	65°	75°	85°
0°	3154.7	3154.7	3154.7	3154.7	3154.7	3154.7	3154.7	3154.7	3154.7	3154.7	3154.7
2.5°	3622.4	3655.7	3641.0	3590.2	3551.1	3495.9	3434.3	3415.7	3350.7	3277.9	3190.4
5°	4195.8	4179.2	4155.2	4076.1	3992.5	3895.2	3740.7	3716.3	3571.6	3406.9	3232.9
7.5°	4522.3	4520.9	4506.7	4460.2	4384.0	4256.9	4070.7	4041.8	3823.3	3558.4	3288.6
10°	4474.9	4471.5	4494.9	4543.3	4566.3	4539.9	4383.0	4354.2	4085.8	3726.1	3353.1
12.5°	4205.6	4207.5	4245.2	4346.8	4485.2	4651.4	4625.9	4611.8	4358.1	3915.7	3431.3
15°	3995.9	4000.3	4030.1	4118.6	4281.8	4583.4	4773.6	4778.4	4621.5	4124.9	3522.7
17.5°	3904.0	3913.3	3927.0	3989.0	4138.6	4448.0	4808.8	4835.1	4852.3	4342.0	3610.7
20°	3933.3	3942.1	3946.0	3985.6	4108.3	4365.9	4784.3	4831.7	5029.2	4546.3	3698.7
22.5°	4064.8	4070.2	4072.6	4082.9	4178.2	4389.4	4768.2	4818.0	5157.3	4729.6	3765.2
25°	4282.8	4278.9	4263.3	4250.1	4314.1	4482.2	4805.3	4852.7	5261.4	4895.8	3808.7
27.5°	4543.8	4538.9	4508.6	4472.5	4509.1	4626.9	4912.4	4950.0	5354.7	5051.2	3830.7
30°	4857.1	4844.4	4787.2	4744.2	4758.4	4843.9	5088.8	5123.0	5498.9	5227.6	3852.2
32.5°	5219.3	5205.7	5123.0	5051.7	5051.7	5123.0	5270.7	5299.0	5621.1	5427.1	3886.9
35°	5672.9	5655.8	5548.3	5428.5	5394.8	5431.0	5518.5	5538.5	5841.1	5678.3	3949.9
37.5°	6207.7	6184.7	6045.4	5885.1	5811.3	5809.3	5872.4	5913.4	6192.5	6008.3	4057.0
40°	6743.9	6727.8	6606.0	6479.9	6335.3	6288.8	6386.1	6398.8	6652.0	6417.9	4193.8
42.5°	7158.4	7155.5	7133.0	7149.6	7001.5	6907.6	6983.9	6994.1	7213.1	6861.2	4339.5
45°	7377.4	7382.3	7491.3	7732.7	7787.5	7719.0	7756.7	7759.6	7854.4	7308.4	4473.0
47.5°	7201.9	7227.3	7503.0	8043.1	8491.3	8718.6	8656.0	8692.2	8476.2	7692.6	4577.6
50°	6518.1	6549.3	7018.6	7904.8	8819.8	9685.9	9653.2	9644.9	8977.7	7974.2	4634.3
52.5°	5671.0	5695.4	6082.5	7185.8	8578.8	10220.7	10521.3	10478.3	9423.5	8184.9	4645.0
55°	4381.1	4419.2	4790.2	5750.7	7604.2	10016.4	11159.6	11121.0	9829.6	8295.3	4632.3
57°	3114.6	3154.7	3523.2	4388.9	6396.8	9309.1	11223.2	11264.3	10049.1	8313.9	4646.5
57.5°	2779.3	2820.3	3185.5	4026.2	6020.5	9053.4	11168.4	11236.9	10088.7	8311.0	4654.3
60°	1399.4	1415.1	1647.7	2247.5	3805.7	7319.2	10454.3	10630.8	10124.4	8167.3	4688.0
62.5°	870.1	858.8	851.5	1035.3	1851.6	4853.7	8980.6	9320.3	9441.5	7819.2	4606.4
65°	765.0	743.9	663.3	648.6	817.8	2357.5	6762.9	7185.8	7982.5	7270.8	4411.9
67.5°	718.5	698.0	607.1	552.3	552.8	934.6	4198.7	4674.8	6218.4	6343.6	3952.9
70°	670.6	652.1	567.0	502.5	470.7	517.6	1931.7	2292.9	4053.6	4986.2	3303.8
72.5°	609.0	596.3	515.7	449.2	415.5	387.6	739.5	873.5	2346.7	3348.7	2294.4
75°	544.5	532.8	463.9	400.3	359.3	305.0	416.5	448.7	1192.2	1713.2	1129.6
77.5°	473.6	466.8	412.5	353.9	321.1	252.7	294.7	310.4	511.3	734.7	566.5
80°	376.9	390.1	360.7	315.3	285.0	202.4	208.7	219.0	297.7	358.8	321.6
82.5°	245.4	268.3	282.5	256.1	234.6	159.3	150.1	154.5	194.1	219.0	139.8
85°	102.2	114.9	185.7	167.7	155.9	116.3	100.7	102.6	120.2	124.6	57.2
87.5°	45.5	48.4	81.6	76.7	66.0	40.1	43.0	46.9	64.0	60.6	22.0
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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Scaled Data Report

REPORT NUMBER: P321117
CATALOG NUMBER: GLEON-SA3B-830-U-AFL

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	3154.7	3154.7	3154.7	3154.7	3154.7	3154.7	3154.7	3154.7	3154.7	3154.7	3154.7
2.5°	3157.6	3116.5	3046.2	2968.4	2904.9	2854.1	2802.7	2767.5	2726.5	2704.5	2693.3
5°	3160.1	3079.4	2931.3	2779.3	2643.4	2519.2	2401.0	2310.0	2225.0	2179.0	2166.3
7.5°	3170.3	3049.1	2809.6	2559.3	2317.9	2097.4	1927.3	1820.8	1744.0	1709.8	1700.0
10°	3178.6	3013.4	2659.0	2288.5	1960.1	1736.7	1604.7	1545.1	1518.7	1514.3	1509.9
12.5°	3198.2	2976.8	2500.7	2006.0	1681.9	1527.5	1481.5	1477.6	1485.0	1495.7	1495.7
15°	3229.0	2940.6	2319.8	1763.6	1505.0	1450.7	1460.0	1481.5	1501.6	1518.2	1520.6
17.5°	3251.5	2896.1	2125.3	1569.5	1410.7	1425.3	1458.6	1488.9	1509.4	1525.5	1527.0
20°	3267.6	2827.2	1917.5	1421.4	1356.4	1401.9	1443.4	1470.3	1484.5	1500.6	1503.0
22.5°	3259.3	2734.8	1733.3	1315.3	1312.4	1367.6	1407.2	1439.5	1428.7	1413.1	1423.4
25°	3219.2	2607.7	1543.6	1236.2	1266.0	1321.7	1370.6	1349.1	1312.9	1306.1	1310.0
27.5°	3147.8	2445.4	1368.1	1162.8	1212.2	1279.2	1276.2	1254.7	1242.0	1233.2	1238.6
30°	3071.1	2269.5	1214.7	1098.8	1152.6	1207.8	1196.6	1196.1	1183.4	1169.2	1176.0
32.5°	2995.3	2092.5	1092.9	1046.0	1107.6	1114.9	1139.4	1146.7	1121.8	1092.0	1090.0
35°	2929.3	1925.4	1000.6	998.1	1053.4	1054.3	1090.0	1079.7	1017.7	986.9	986.9
37.5°	2880.0	1758.7	930.2	955.1	982.0	1007.4	1025.5	983.0	972.7	955.6	955.1
40°	2858.5	1612.0	886.2	922.4	931.6	963.9	917.5	934.1	939.0	930.2	930.2
42.5°	2836.0	1484.5	848.1	897.4	896.0	891.6	868.1	889.6	909.2	909.6	908.2
45°	2813.5	1374.5	814.3	844.1	864.7	817.3	821.7	844.6	872.0	881.8	881.8
47.5°	2788.6	1287.5	783.5	787.9	819.7	787.9	784.5	802.1	834.4	850.0	853.4
50°	2733.8	1209.3	748.3	738.6	747.4	758.1	761.1	769.4	805.0	830.0	835.8
52.5°	2658.1	1139.4	703.4	693.1	693.1	733.7	747.4	749.8	780.1	809.9	815.8
55°	2595.0	1094.9	656.9	655.0	653.0	707.8	731.2	735.1	756.2	779.6	782.6
57°	*2599.4*	*1091.5*	*621.3*	*623.2*	*622.7*	*681.4*	*716.1*	*724.4*	*735.1*	*755.2*	*758.6*
57.5°	2601.8	1093.9	613.4	614.4	613.9	674.0	711.7	721.0	729.3	750.3	753.7
60°	2638.5	1100.3	581.7	570.9	573.4	634.9	686.8	698.5	703.9	731.7	736.1
62.5°	2584.3	1071.9	556.2	530.3	530.3	593.9	652.1	670.6	678.9	716.6	723.9
65°	2426.9	992.3	526.4	484.4	489.3	552.8	610.5	640.8	653.5	700.4	708.3
67.5°	2183.9	899.9	494.7	443.3	448.2	509.8	567.5	600.2	620.3	682.8	689.2
70°	1867.7	787.0	451.6	399.8	405.7	462.9	516.7	553.8	583.6	666.2	668.2
72.5°	1376.9	645.2	391.5	351.9	358.3	408.1	465.3	508.3	548.4	624.7	623.7
75°	818.7	504.4	325.0	303.5	307.9	354.4	418.9	471.2	531.3	608.5	617.8
77.5°	496.6	379.8	264.9	254.2	259.5	307.0	385.7	441.4	524.0	573.8	570.9
80°	300.1	271.3	211.6	204.8	210.2	262.5	356.8	418.9	458.0	490.3	490.3
82.5°	156.9	165.7	155.4	150.1	157.4	213.1	324.6	365.6	404.7	347.5	324.6
85°	64.0	86.5	94.3	93.8	98.2	147.6	280.1	312.8	261.0	247.8	253.7
87.5°	21.5	36.7	45.9	39.6	41.5	92.9	194.1	151.0	179.4	125.1	118.8
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

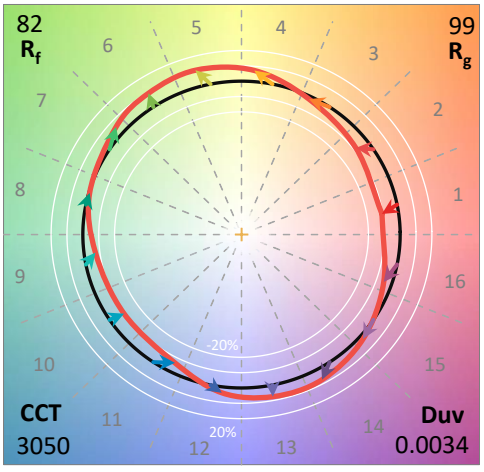
Test Information

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

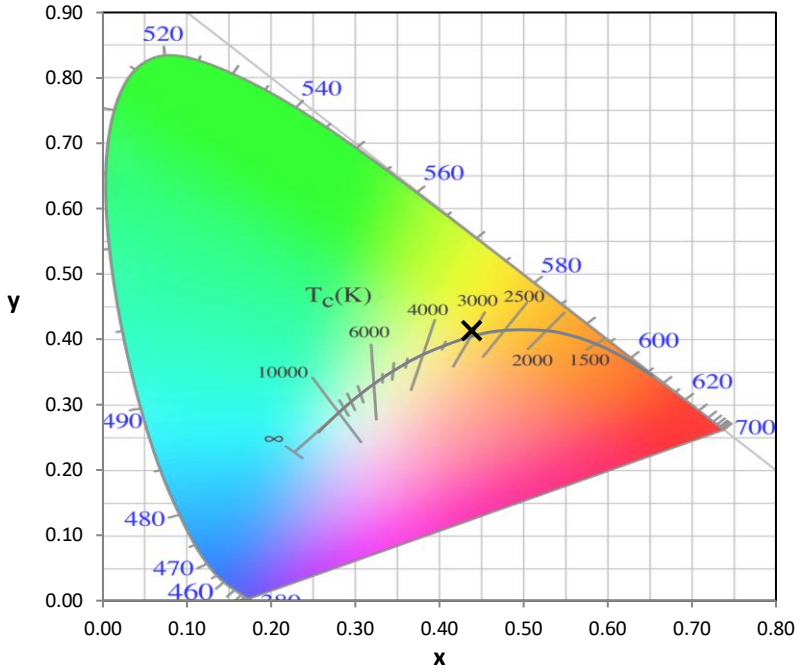
Stabilization Time:	20M
Operation Time:	1H 20M
Sphere Temperature (°C):	24.2

REPORT NUMBER: SP1-2408-195-9

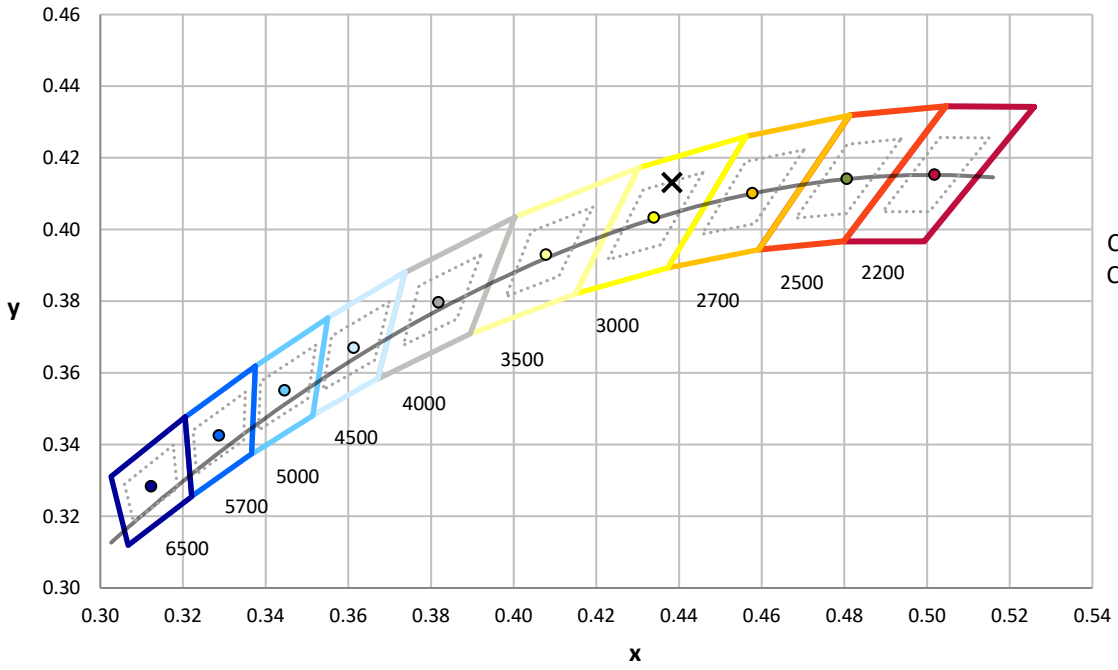
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

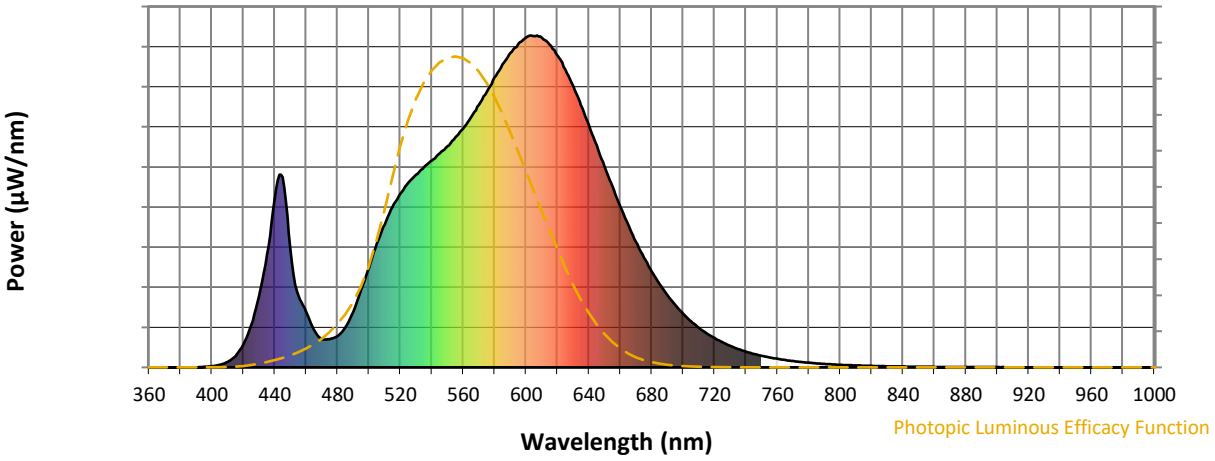


CCT = 3050K
CIE x = 0.4383
CIE y = 0.4131
Duv = 0.0034

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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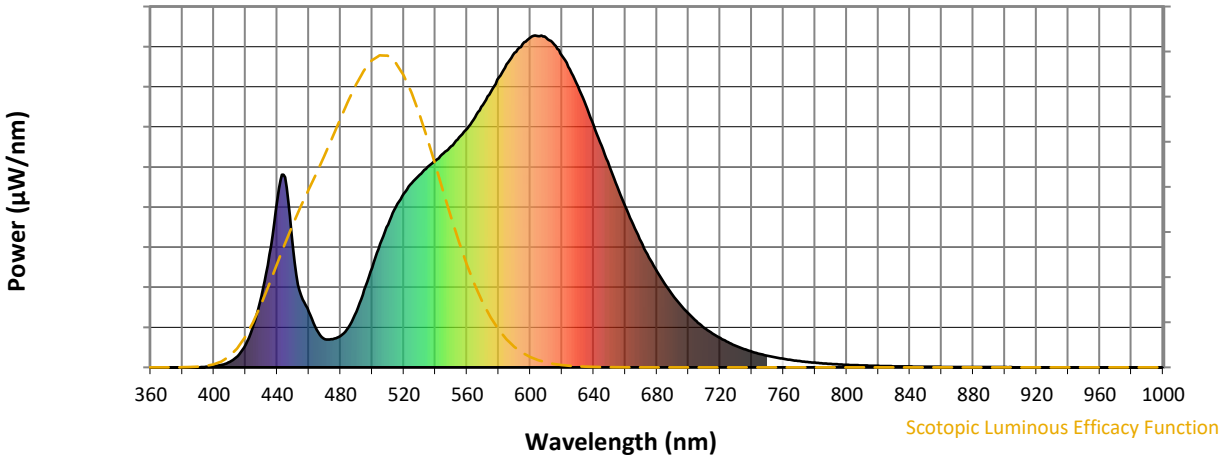
Scotopic Flux vs. Wavelength



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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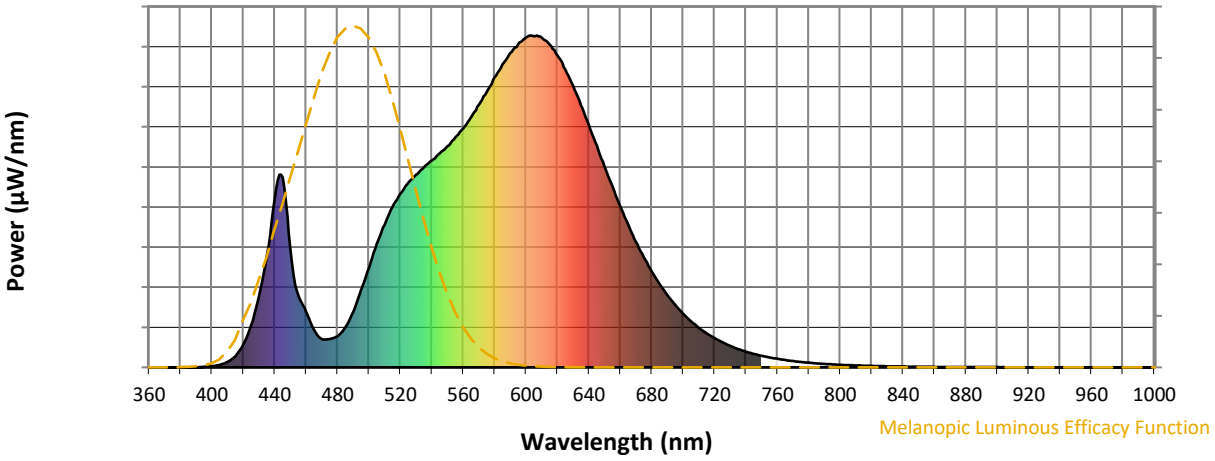
Melanopic Flux vs. Wavelength



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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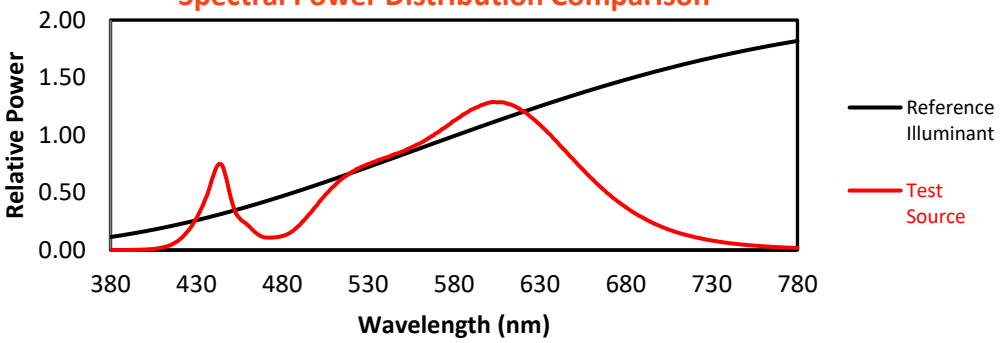
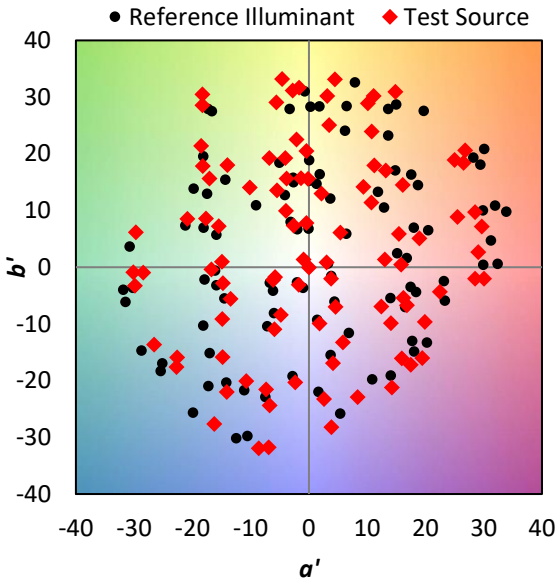
Summary

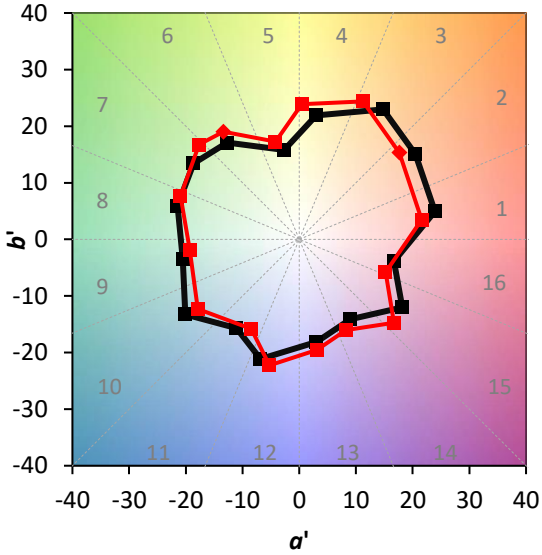
R_f = 81.5
R_g = 99.2
CIE R_a = 81.0
R_9 = 7.1

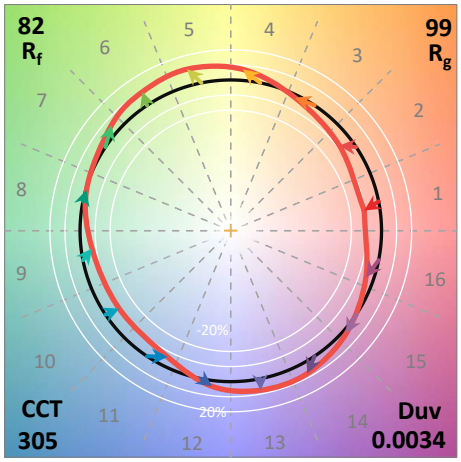
Spectral Power Distribution Comparison

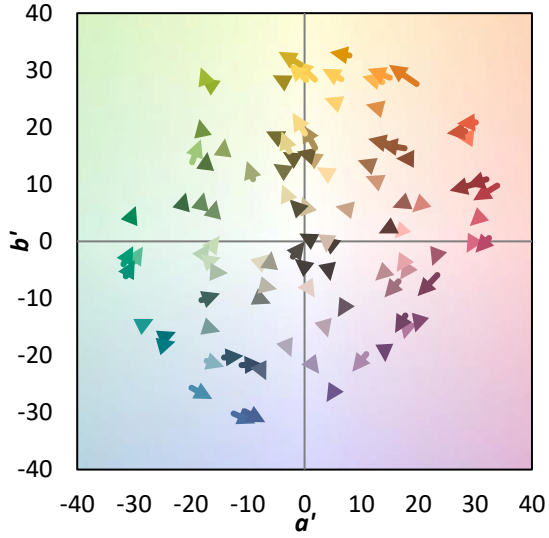


Color Vector Graphics









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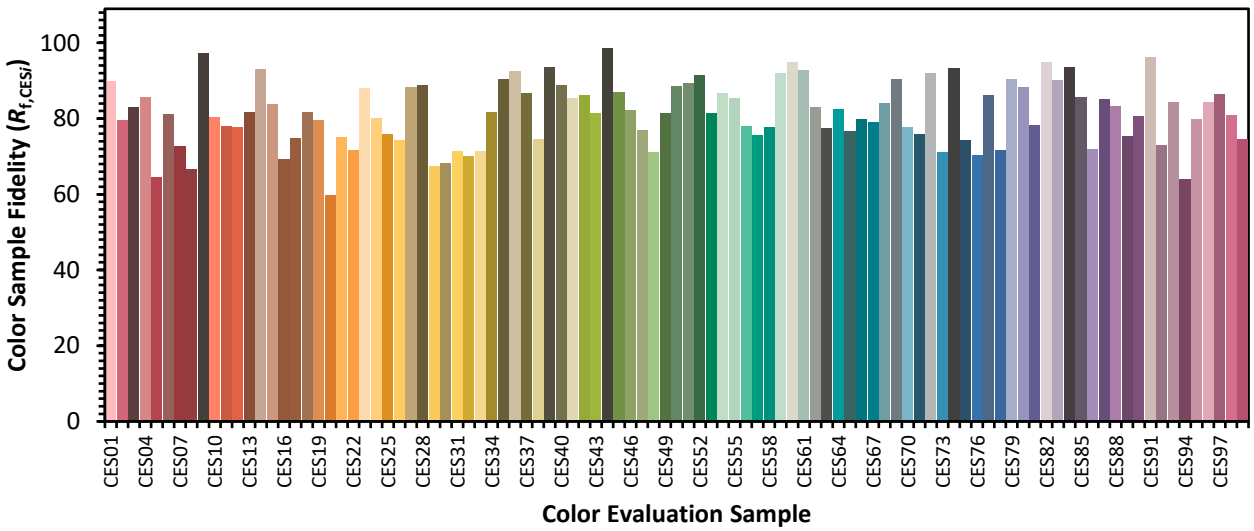
Individual Sample Fidelity Index ($R_{f,i}$)

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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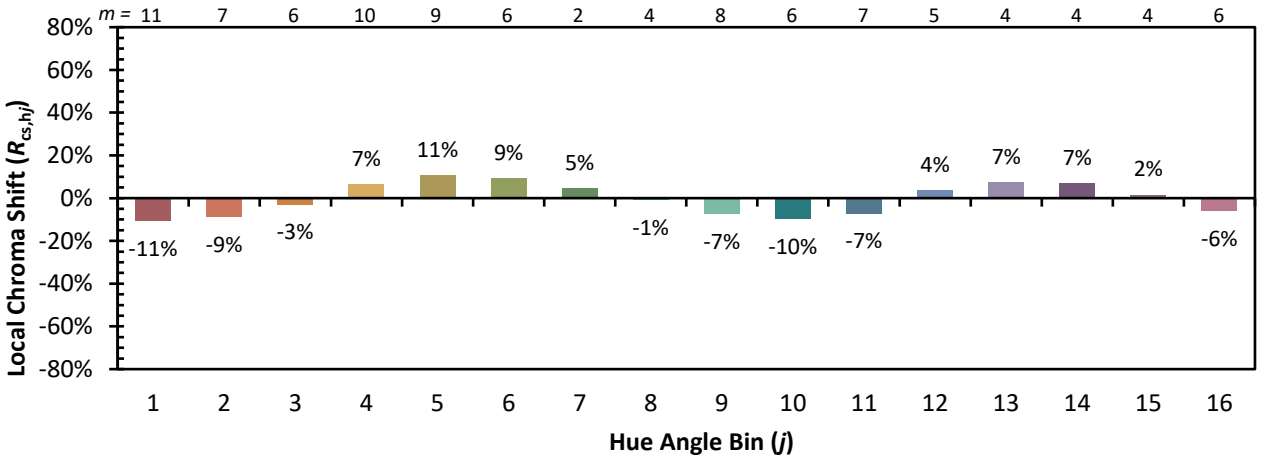
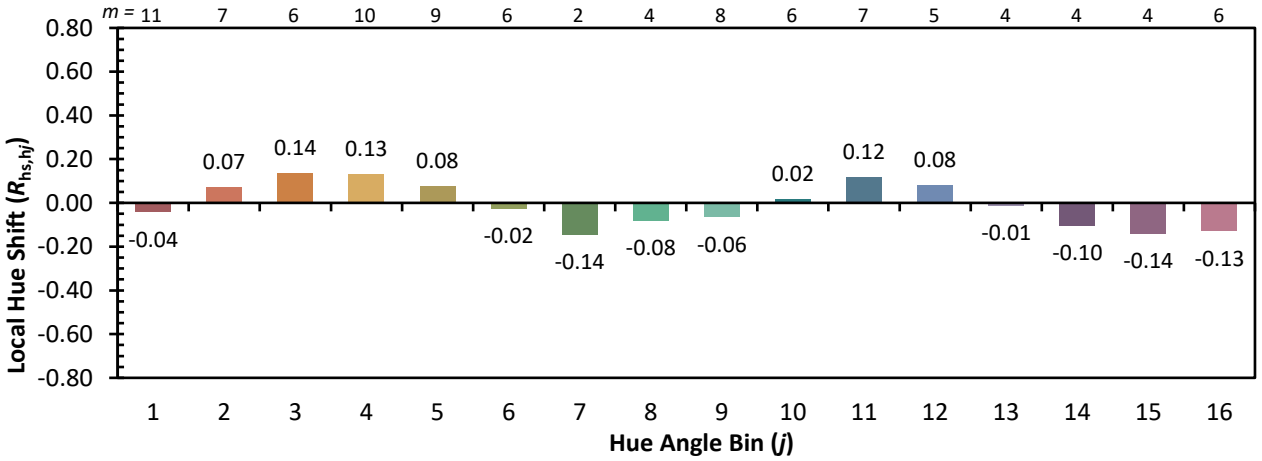
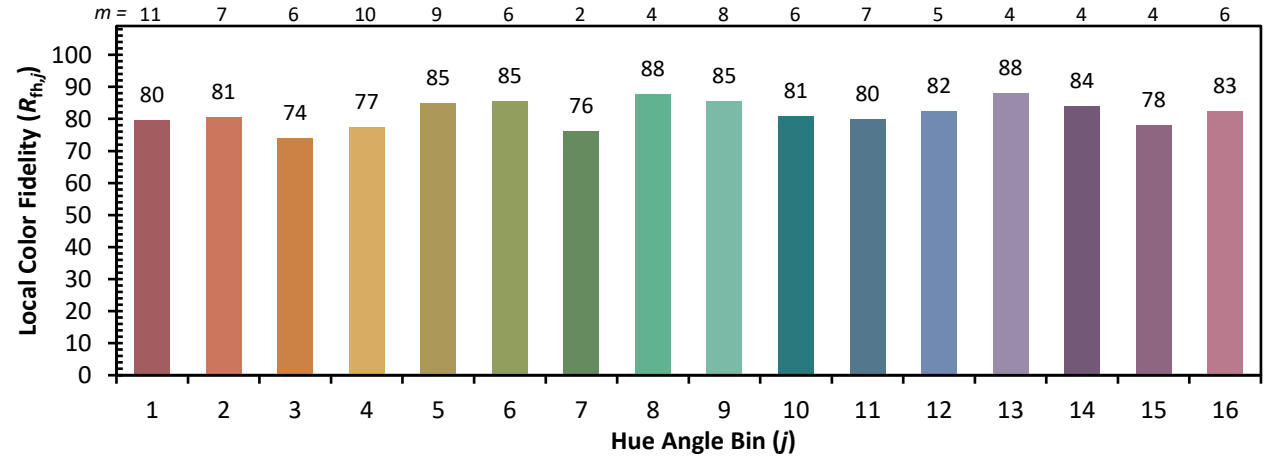
Color Rendition by Hue-Angle Bin







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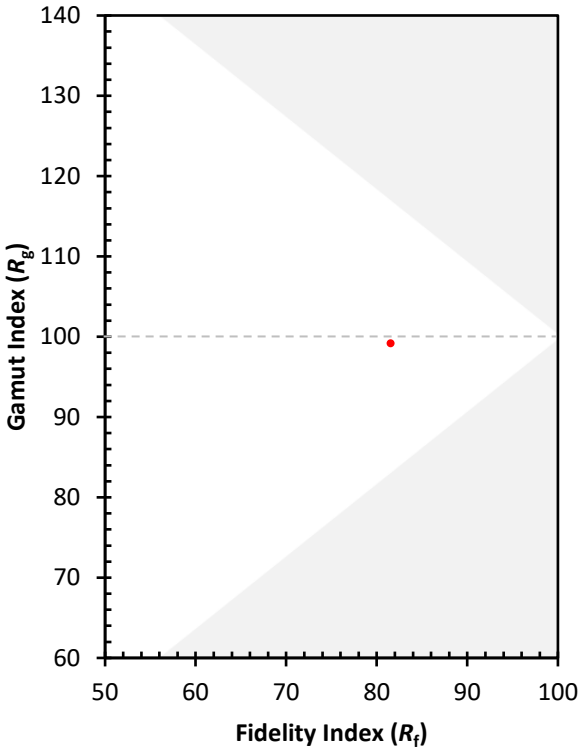
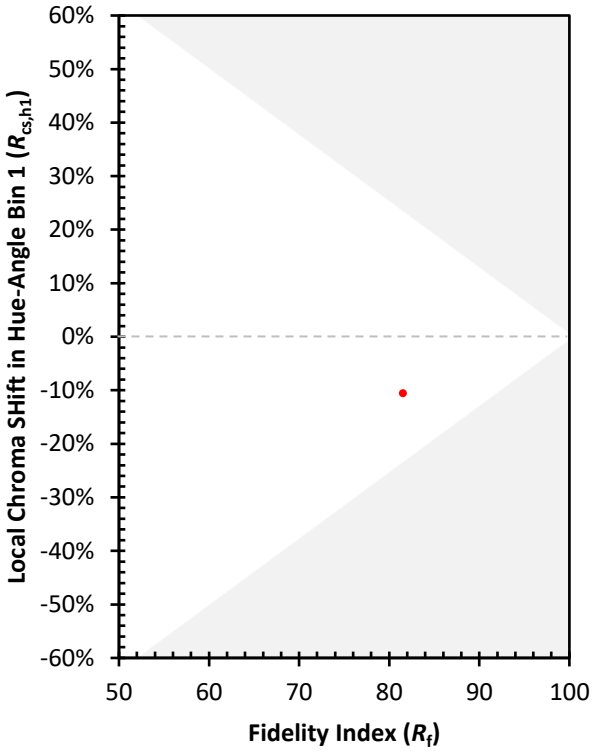
Measure Comparisons





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