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: P319201

Luminaire Tested: **GLEON-SA7B-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:	P319201
	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-SA7B-830-U-T4W
Description:	GALLEON AREA AND ROADWAY LUMINAIRE
	(7) 80 CRI, 3000K, 800mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE IV WIDE OPTICS
Light Source:	-
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	31895 lumens
Efficiency:	N/A
Efficacy:	108.1 lumens/watt
Luminous Opening:	Rectangular (W 2' x L: 1' x H: 0')
IES Classification:	Type IV - Short
BUG Rating:	B3 - U0 - G5

Input Watts (W):	295
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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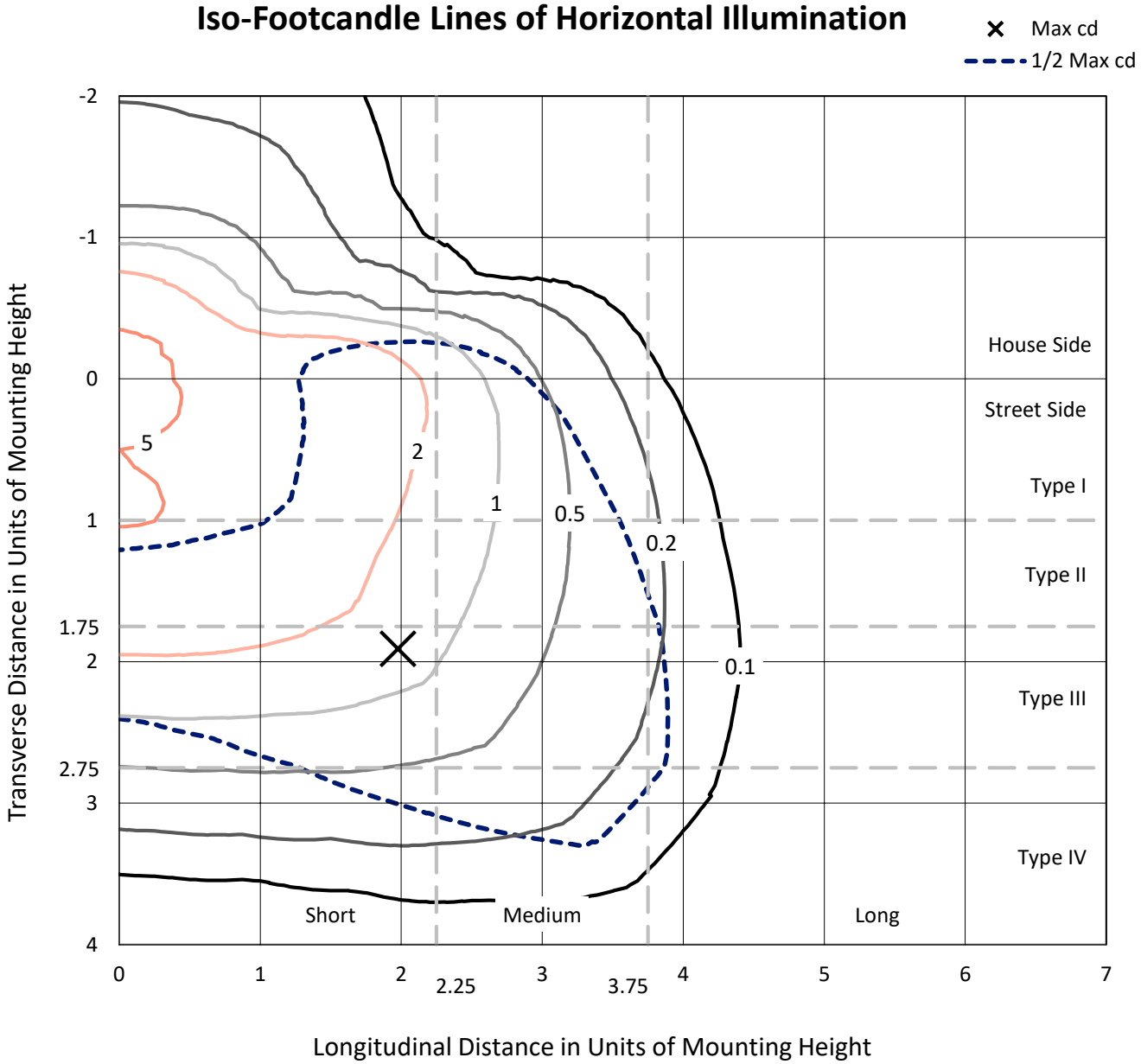
REPORT NUMBER: P319201
CATALOG NUMBER: GLEON-SA7B-830-U-T4W

Iso-Footcandle Lines of Horizontal Illumination



Based on 25 foot mounting height. Maximum calculated value = 6.5 fc
Type IV - Short - N/A

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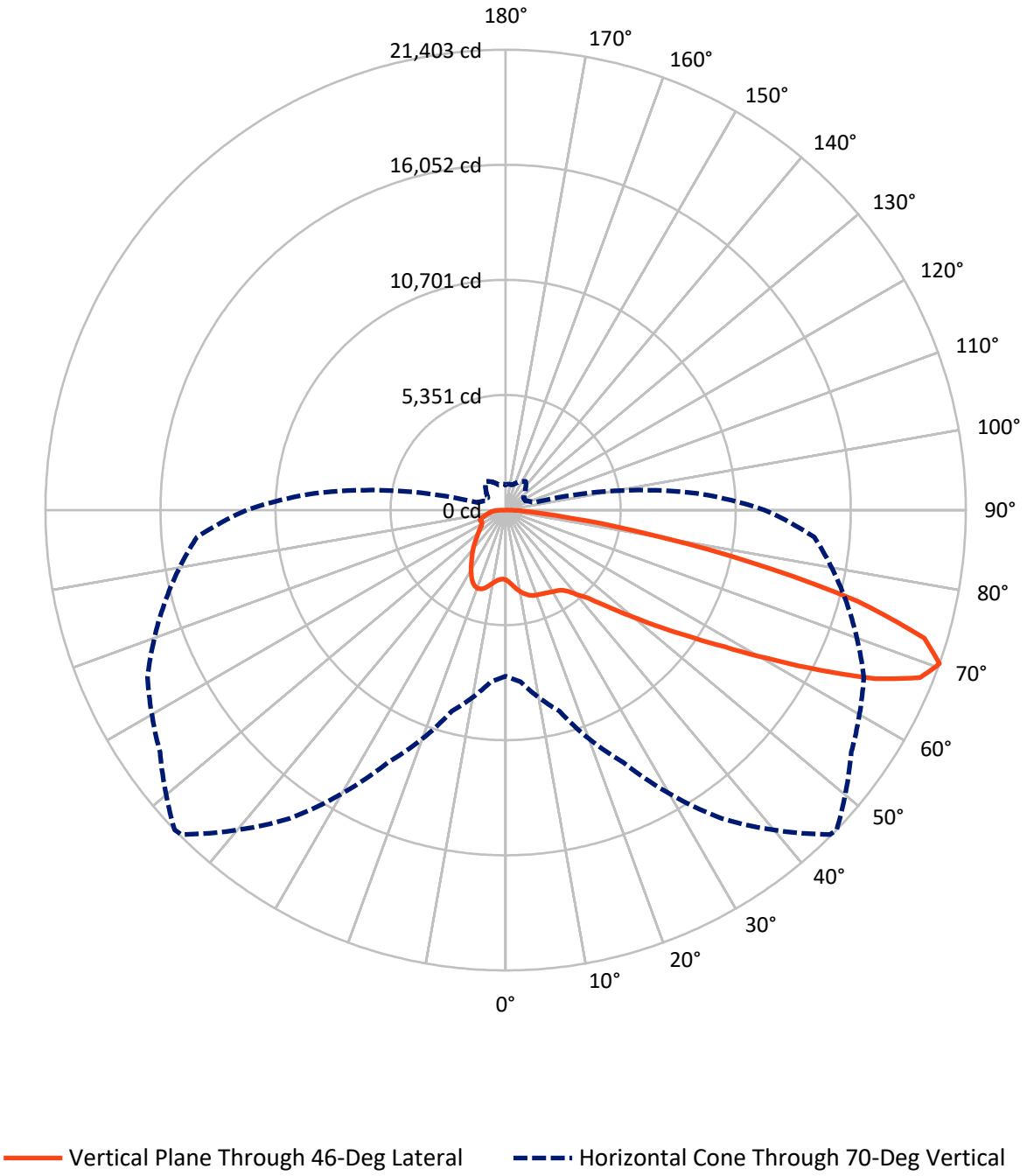
Luminous Intensity Polar Plot



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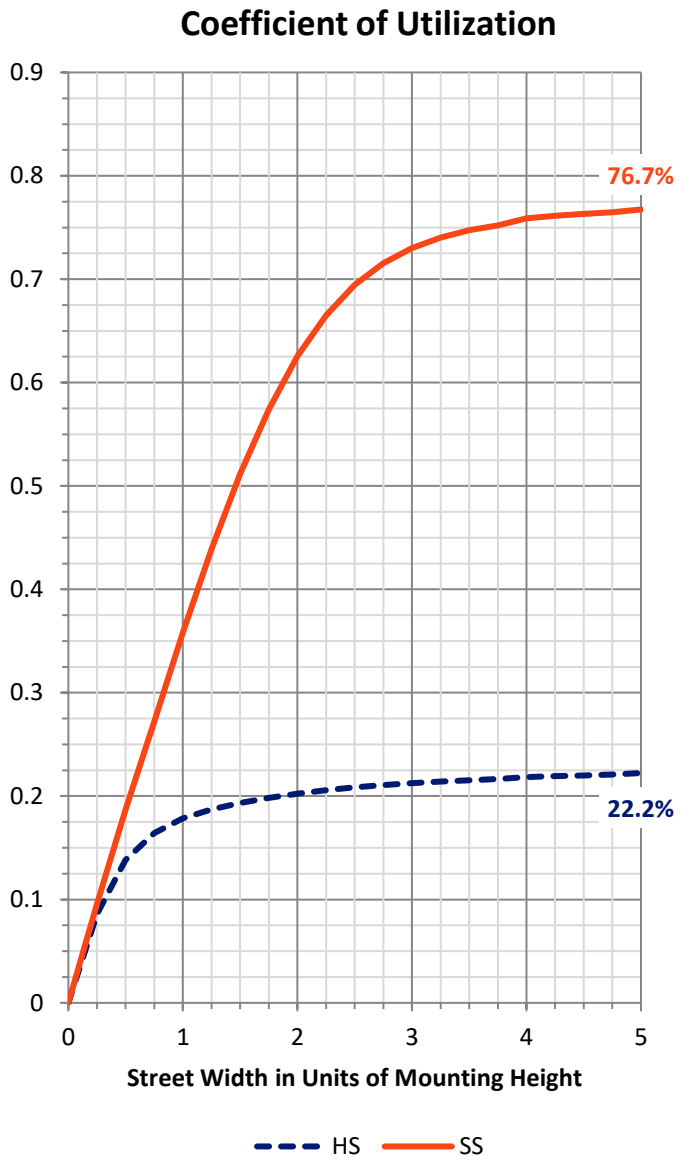
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	7310.2	0.0	7310.2
	% Fixture	22.9	0.0	22.9
Street Side	Lumens	24584.8	0.0	24584.8
	% Fixture	77.1	0.0	77.1
Total	Lumens	31895.0	0.0	31895.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	331.3	1.0
10°-20°	1103.7	3.5
20°-30°	1840.2	5.8
30°-40°	2611.4	8.2
40°-50°	3841.2	12.0
50°-60°	6505.1	20.4
60°-70°	9233.9	29.0
70°-80°	5609.7	17.6
80°-90°	818.7	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°	31895.0	100.0
0°-180°	31895.0	100.0



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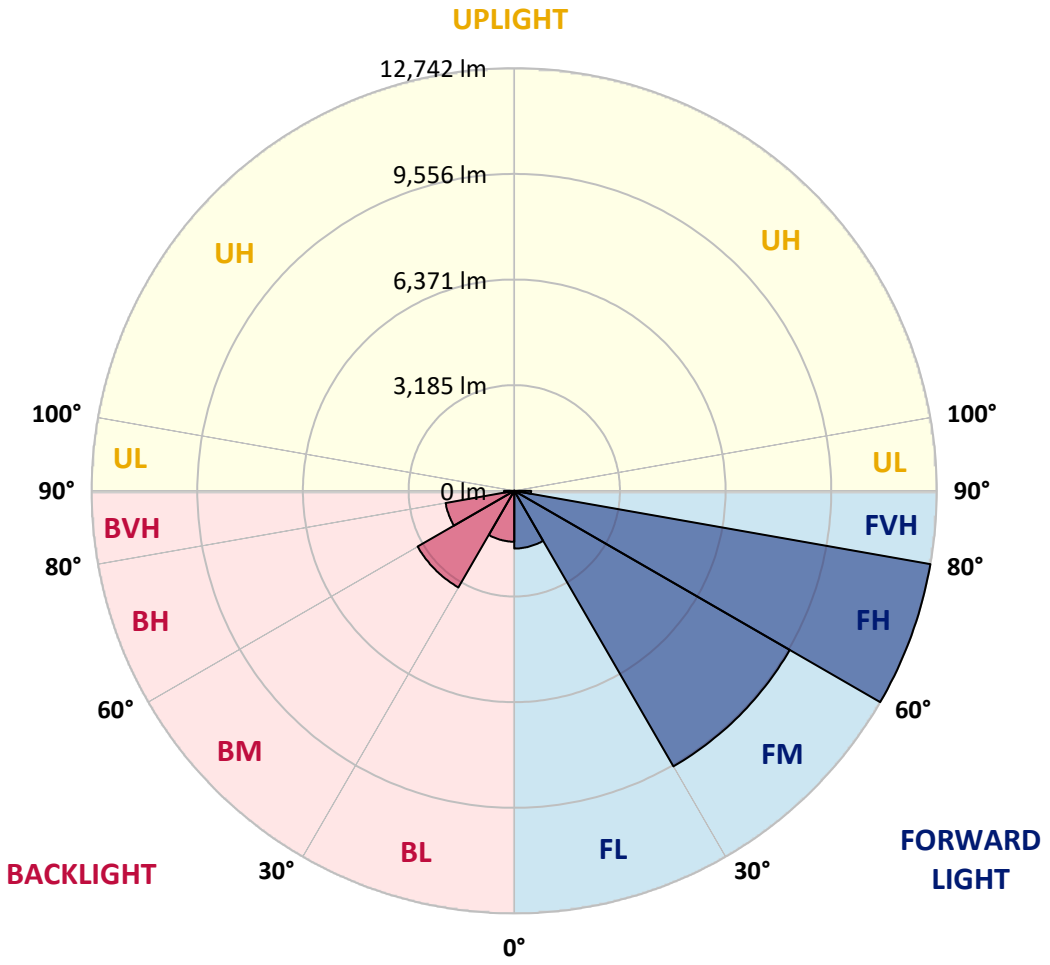
REPORT NUMBER: P319201
CATALOG NUMBER: GLEON-SA7B-830-U-T4W

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	1740.3	5.5			
FM	(30°-60°)	9592.6	30.1			
FH	(60°-80°)	12741.9	39.9			G5
FVH	(80°-90°)	510.0	1.6			G4/750
BL	(0°-30°)	1534.8	4.8	B3/2500		
BM	(30°-60°)	3365.1	10.6	B3/5000		
BH	(60°-80°)	2101.6	6.6	B3/2500		G3/2500
BVH	(80°-90°)	308.7	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-G5
Type IV Short



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Scaled Data Report

REPORT NUMBER: P319201
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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	46°	55°	65°	75°	85°
0°	3249.5	3249.5	3249.5	3249.5	3249.5	3249.5	*3249.5*	3249.5	3249.5	3249.5	3249.5
2.5°	3412.1	3414.3	3418.7	3407.7	3377.2	3368.5	*3365.2*	3333.5	3312.8	3282.2	3256.0
5°	3685.0	3687.2	3680.6	3650.1	3582.4	3532.2	*3527.8*	3455.8	3390.3	3320.4	3268.0
7.5°	3969.9	3973.2	3952.4	3894.6	3799.6	3712.3	*3706.8*	3608.6	3509.3	3403.4	3324.8
10°	4222.0	4208.9	4175.1	4094.3	3981.9	3874.9	*3870.6*	3768.0	3653.3	3525.6	3420.8
12.5°	4390.1	4379.2	4335.5	4237.3	4114.0	4015.7	*4007.0*	3912.0	3800.7	3661.0	3535.5
15°	4482.9	4490.5	4431.6	4320.3	4200.2	4117.2	*4109.6*	4041.9	3942.6	3801.8	3657.7
17.5°	4494.9	4501.5	4444.7	4334.5	4236.2	4179.5	*4176.2*	4131.4	4059.4	3924.0	3773.4
20°	4425.1	4429.4	4382.5	4291.9	4227.5	4210.0	*4208.9*	4189.3	4135.8	4015.7	3869.5
22.5°	4323.5	4326.8	4293.0	4227.5	4205.7	4232.9	*4240.6*	4232.9	4194.7	4082.3	3944.8
25°	4298.4	4296.3	4261.3	4194.7	4213.3	4271.1	*4281.0*	4284.2	4258.0	4159.8	4040.8
27.5°	4419.6	4412.0	4345.4	4238.4	4250.4	4320.3	*4333.4*	4365.0	4348.6	4262.4	4150.0
30°	4770.0	4756.9	4620.4	4404.3	4345.4	4381.4	*4397.8*	4448.0	4451.2	4379.2	4295.2
32.5°	5361.6	5345.2	5100.7	4714.3	4505.8	4443.6	*4458.9*	4534.2	4574.6	4518.9	4428.3
35°	6109.3	6090.7	5769.8	5241.5	4774.3	4562.6	*4573.5*	4633.5	4714.3	4635.7	4515.6
37.5°	6888.6	6843.9	6535.0	5861.5	5201.1	4816.9	*4816.9*	4824.5	4862.8	4699.0	4618.3
40°	7663.6	7618.9	7339.4	6590.6	5753.4	5217.5	*5192.4*	5023.2	4992.6	4851.8	4824.5
42.5°	8384.0	8370.9	8206.1	7414.7	6401.8	5611.5	*5576.6*	5289.5	5296.1	5208.8	5209.9
45°	9150.3	9150.3	9016.0	8246.5	7157.1	6244.6	*6209.7*	5787.3	5852.8	5812.4	5909.5
47.5°	9775.7	9795.4	9776.8	9113.2	8035.8	7049.1	*6985.8*	6477.1	6660.5	6799.1	7081.8
50°	10414.3	10444.8	10448.1	10063.9	9097.9	8005.3	*7933.2*	7392.9	7802.2	8199.6	8755.1
52.5°	11341.0	11409.7	11135.8	11012.4	10399.0	9140.4	*9069.5*	8570.7	9254.0	9811.7	10769.0
55°	12200.0	12140.0	11944.6	12021.0	11791.8	10432.8	*10379.3*	9941.6	10871.6	11596.4	12839.6
57.5°	12665.0	12660.6	12857.1	13184.6	13293.7	12026.4	*11981.7*	11556.0	12695.6	13240.2	14783.6
60°	13210.8	13218.4	13705.2	14448.5	14898.3	14010.8	*13991.2*	13668.1	14467.1	14774.9	16308.5
62.5°	13287.2	13424.7	14263.0	15542.3	16400.2	16329.2	*16372.9*	15570.6	16052.0	15999.6	17447.0
65°	12408.5	12589.7	14106.9	15873.0	17893.4	18864.9	*18905.2*	17484.1	17301.8	17046.4	17854.1
67.5°	10607.5	10876.0	12524.2	15153.7	18385.7	20739.0	*20795.8*	18967.5	18338.7	17401.1	16873.9
70°	*7719.3*	*8017.3*	*9676.4*	*12942.2*	*17508.1*	*21338.3*	*21402.7*	*19623.5*	*18378.0*	*16391.5*	*14404.9*
72.5°	4663.0	4896.6	6264.3	9527.9	14777.1	20246.7	*20361.3*	18791.7	16779.0	13884.2	10636.9
75°	2047.7	2200.5	3029.0	5490.4	10579.1	16751.7	*16894.7*	16084.7	13633.2	10090.1	6287.2
77.5°	872.1	915.8	1242.2	2385.0	5980.5	11446.8	*11643.3*	11752.5	9249.6	5490.4	2656.8
80°	543.6	561.0	702.9	1079.5	2798.7	6429.1	*6640.9*	6914.8	4593.1	2018.2	927.8
82.5°	330.7	350.4	467.2	652.7	1457.2	2914.4	*3015.9*	3209.1	1782.5	872.1	480.3
85°	198.7	212.8	286.0	412.6	829.6	1146.1	*1145.0*	1266.2	839.4	561.0	253.2
87.5°	95.0	105.9	152.8	213.9	418.1	430.1	*402.8*	456.3	509.7	367.8	127.7
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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CATALOG NUMBER: GLEON-SA7B-830-U-T4W

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	3249.5	3249.5	3249.5	3249.5	3249.5	3249.5	3249.5	3249.5	3249.5	3249.5	3249.5
2.5°	3247.3	3242.9	3228.7	3217.8	3215.6	3209.1	3203.6	3206.9	3211.3	3212.4	3212.4
5°	3246.2	3234.2	3215.6	3208.0	3217.8	3230.9	3247.3	3269.1	3282.2	3292.0	3298.6
7.5°	3298.6	3275.7	3254.9	3250.6	3270.2	3305.1	3342.3	3388.1	3419.8	3441.6	3446.0
10°	3385.9	3357.5	3336.8	3341.2	3376.1	3426.3	3478.7	3537.6	3585.7	3615.1	3617.3
12.5°	3486.3	3459.0	3439.4	3458.0	3515.8	3576.9	3631.5	3682.8	3726.5	3755.9	3755.9
15°	3602.0	3582.4	3559.5	3602.0	3680.6	3735.2	3758.1	3783.2	3807.2	3829.1	3824.7
17.5°	3713.4	3694.8	3682.8	3733.0	3814.9	3840.0	3824.7	3806.2	3806.2	3818.2	3820.3
20°	3809.4	3793.1	3800.7	3849.8	3892.4	3866.2	3809.4	3750.5	3726.5	3733.0	3739.6
22.5°	3893.5	3885.8	3908.8	3931.7	3901.1	3809.4	3704.6	3625.0	3595.5	3593.3	3595.5
25°	3991.7	3990.6	4019.0	3977.5	3842.2	3673.0	3532.2	3454.7	3438.3	3451.4	3473.2
27.5°	4114.0	4126.0	4140.2	3988.4	3722.1	3466.7	3323.7	3270.2	3286.6	3318.2	3339.0
30°	4270.1	4302.8	4272.2	3961.2	3549.6	3230.9	3094.5	3079.2	3124.0	3168.7	3190.5
32.5°	4421.8	4473.1	4398.9	3890.2	3327.0	2981.0	2875.1	2870.7	2925.3	2969.0	2999.5
35°	4544.0	4645.5	4493.8	3749.4	3069.4	2750.6	2673.1	2643.7	2663.3	2714.6	2749.6
37.5°	4703.4	4872.6	4559.3	3534.4	2789.9	2560.7	2470.1	2402.5	2385.0	2405.7	2423.2
40°	4994.8	5218.6	4589.9	3234.2	2517.1	2370.8	2279.1	2179.8	2111.0	2060.8	2061.9
42.5°	5470.7	5669.4	4570.2	2869.6	2264.9	2185.2	2081.5	1966.9	1855.6	1742.1	1733.3
45°	6243.5	6339.6	4511.3	2483.2	2043.3	1990.9	1893.8	1779.2	1630.7	1501.9	1489.9
47.5°	7480.2	7267.4	4419.6	2145.9	1848.0	1826.1	1736.6	1604.5	1447.4	1343.7	1334.9
50°	9166.6	8606.7	4374.8	1877.4	1675.5	1682.0	1608.9	1469.2	1320.7	1244.3	1235.6
52.5°	11183.8	10166.5	4461.1	1670.0	1536.9	1559.8	1505.2	1374.2	1249.8	1189.8	1181.0
55°	13276.2	11781.9	4553.9	1519.4	1405.9	1450.6	1432.1	1324.0	1211.6	1155.9	1148.3
57.5°	15067.4	12988.1	4368.3	1397.2	1289.1	1359.0	1375.3	1292.4	1191.9	1141.7	1133.0
60°	16195.0	13473.8	3881.5	1282.5	1196.3	1285.8	1342.6	1283.6	1199.6	1195.2	1188.7
62.5°	16729.8	13431.2	3151.2	1191.9	1138.5	1254.2	1366.6	1332.8	1286.9	1326.2	1329.5
65°	16489.7	12789.4	2346.8	1131.9	1097.0	1266.2	1438.6	1425.5	1312.0	1351.3	1356.8
67.5°	14909.2	11258.0	1737.7	1079.5	1051.1	1300.0	1569.6	1456.1	1262.9	1291.3	1273.8
70°	*12050.5*	*8925.4*	*1340.4*	*1020.6*	*1004.2*	*1295.6*	*1628.6*	*1437.5*	*1209.4*	*1216.0*	*1169.0*
72.5°	8309.8	6086.4	1090.4	966.0	936.5	1181.0	1587.1	1391.7	1164.7	1114.4	1052.2
75°	4518.9	3266.9	926.7	909.2	817.6	1037.0	1510.7	1359.0	1124.3	1057.7	1022.8
77.5°	1778.1	1355.7	804.5	831.7	715.0	915.8	1425.5	1296.7	1068.6	981.3	963.8
80°	725.9	692.0	666.9	719.3	614.5	801.2	1322.9	1223.6	1002.0	910.3	875.4
82.5°	411.5	430.1	518.5	567.6	498.8	737.9	1273.8	1164.7	922.3	815.4	773.9
85°	210.7	252.1	361.3	407.1	366.8	627.6	1173.4	1019.5	740.1	624.4	627.6
87.5°	101.5	140.8	228.1	255.4	238.0	454.1	876.5	739.0	576.3	456.3	442.1
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

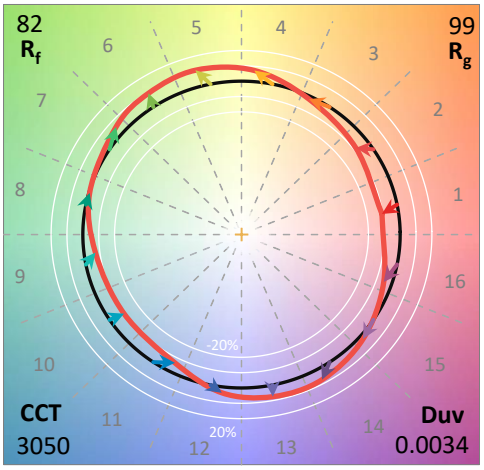
Test Information

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

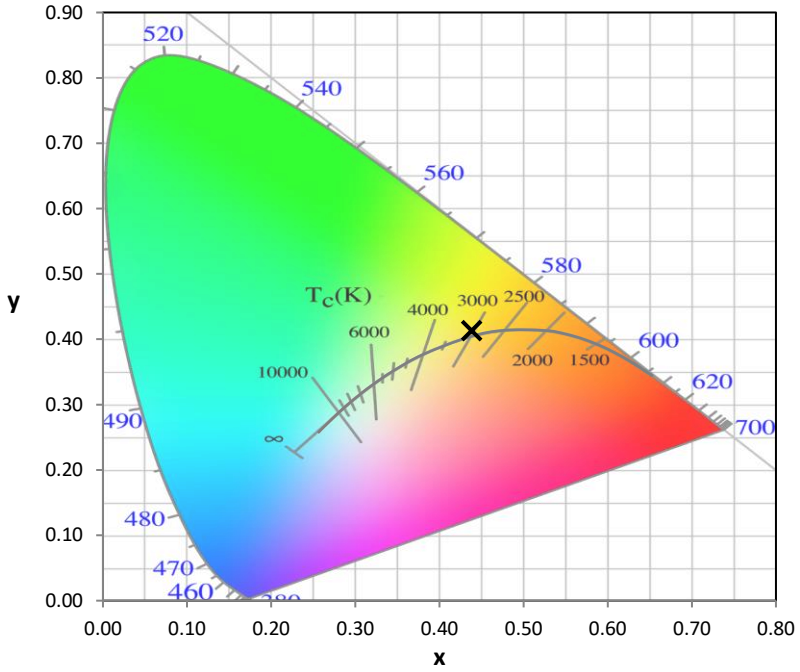
Stabilization Time:	20M
Operation Time:	1H 20M
Sphere Temperature (°C):	24.2

REPORT NUMBER: SP1-2408-195-9

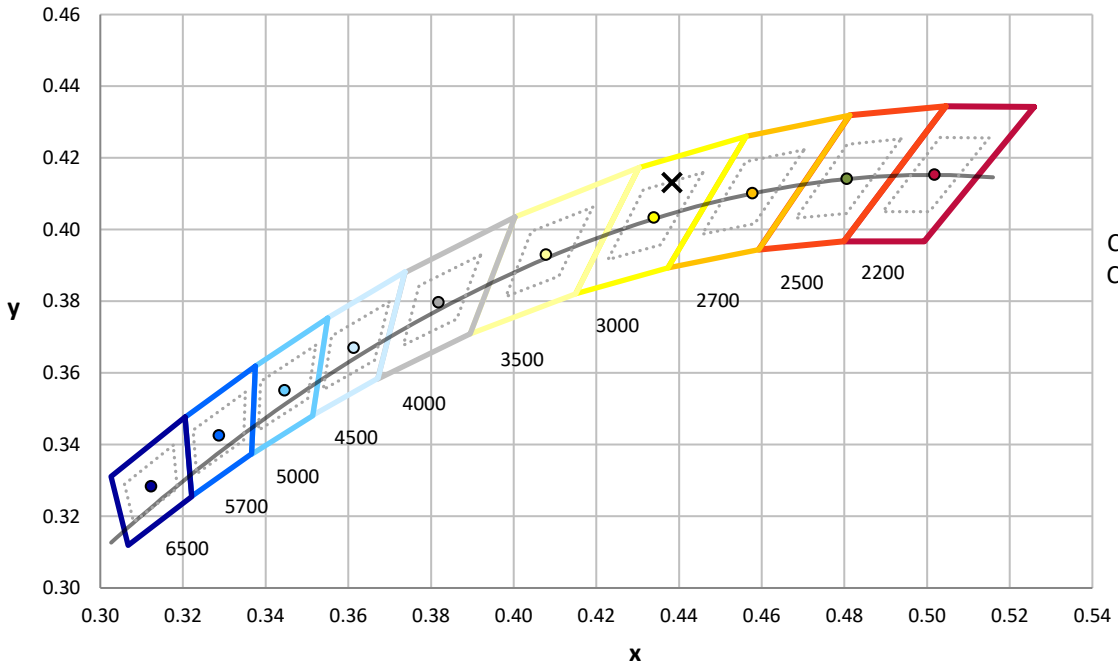
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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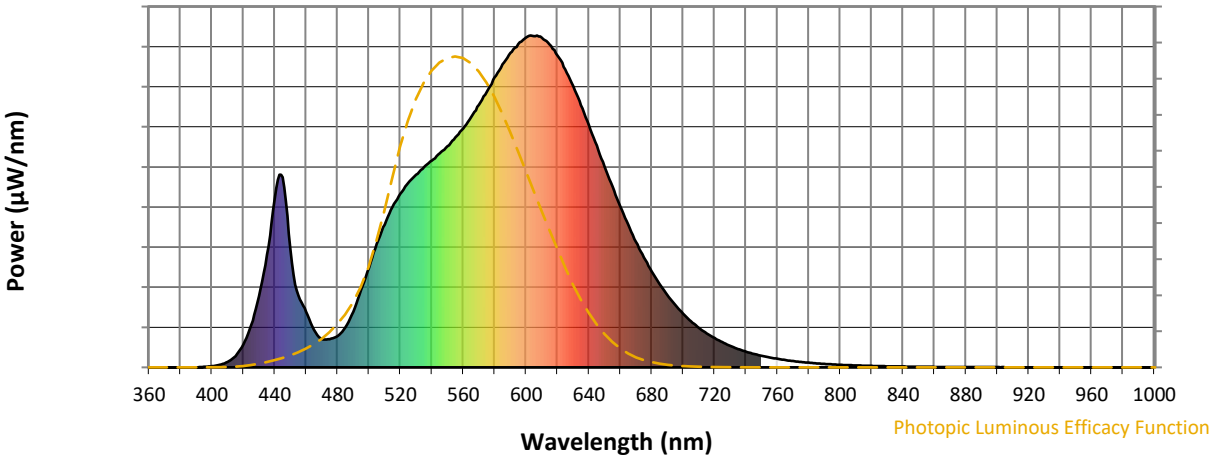
Photopic Flux vs. Wavelength



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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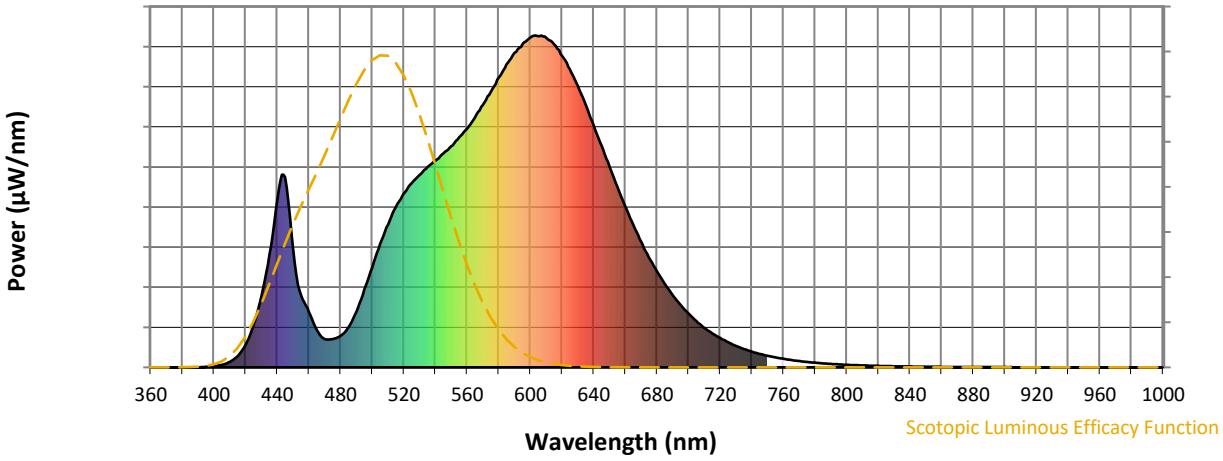
Scotopic Flux vs. Wavelength



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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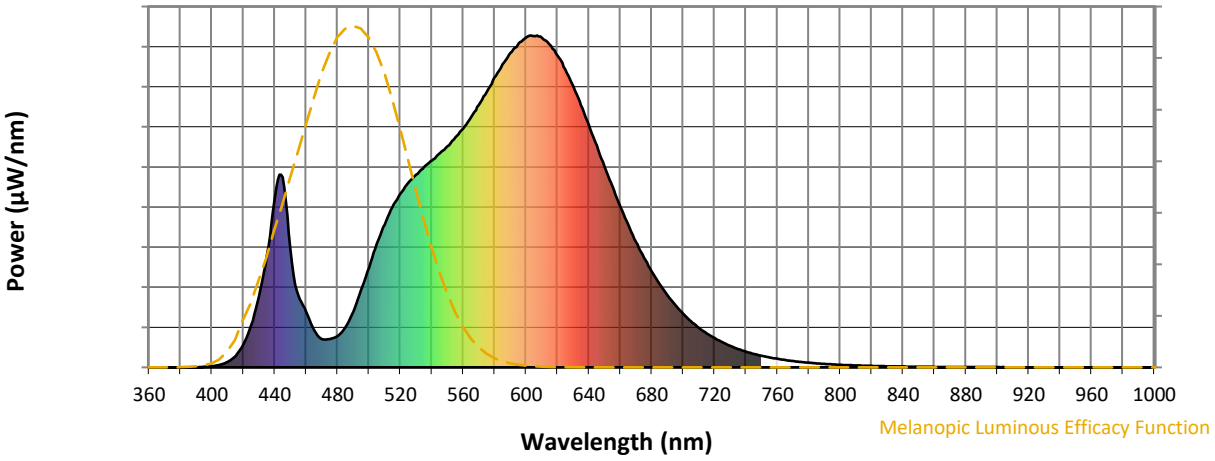
Melanopic Flux vs. Wavelength



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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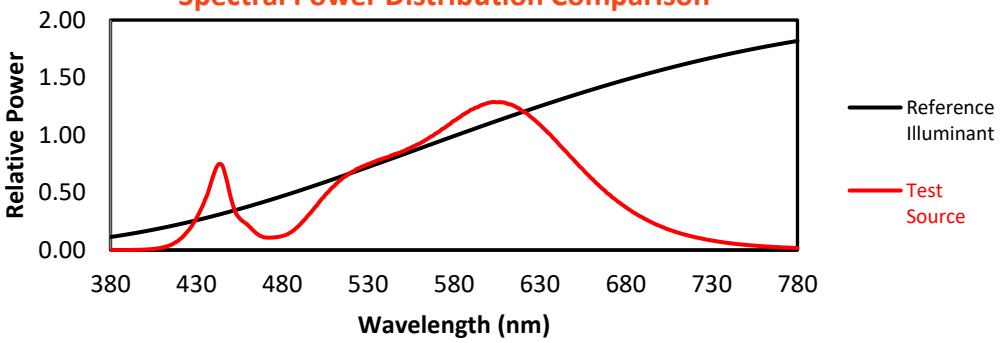
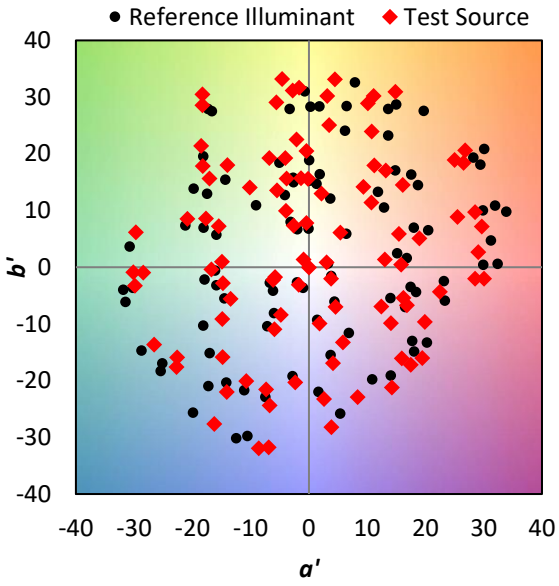
Summary

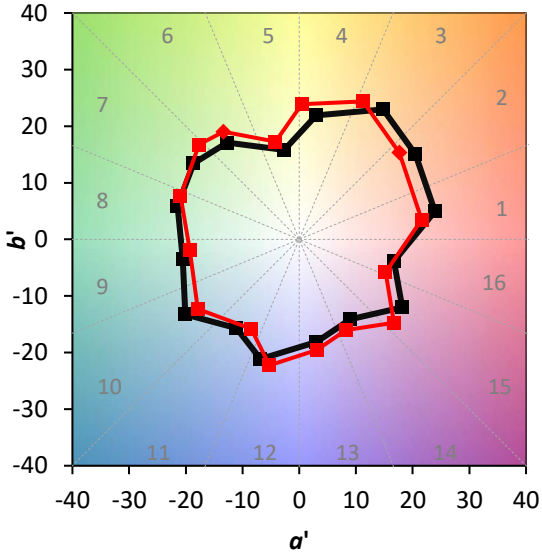
R_f = 81.5
R_g = 99.2
CIE R_a = 81.0
R_9 = 7.1

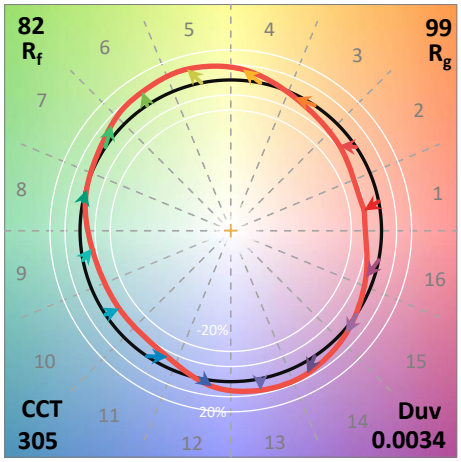
Spectral Power Distribution Comparison

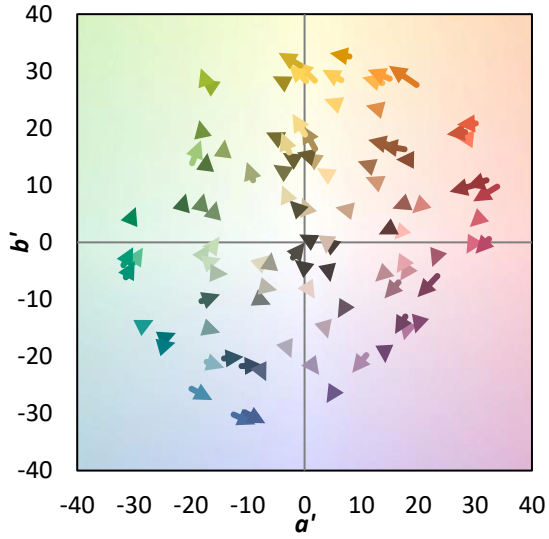


Color Vector Graphics









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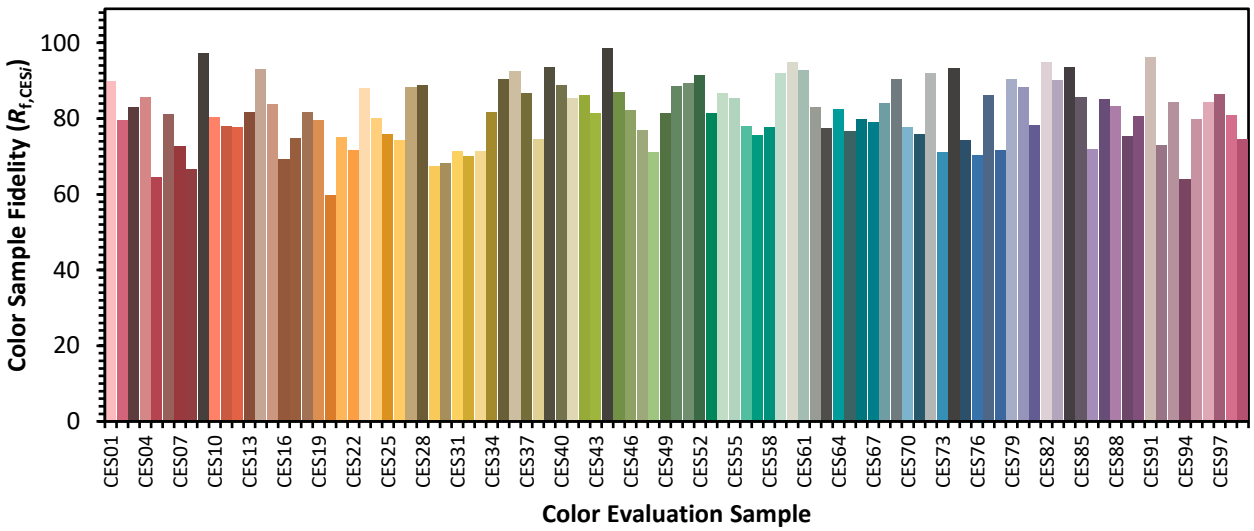
Individual Sample Fidelity Index ($R_{f,i}$)

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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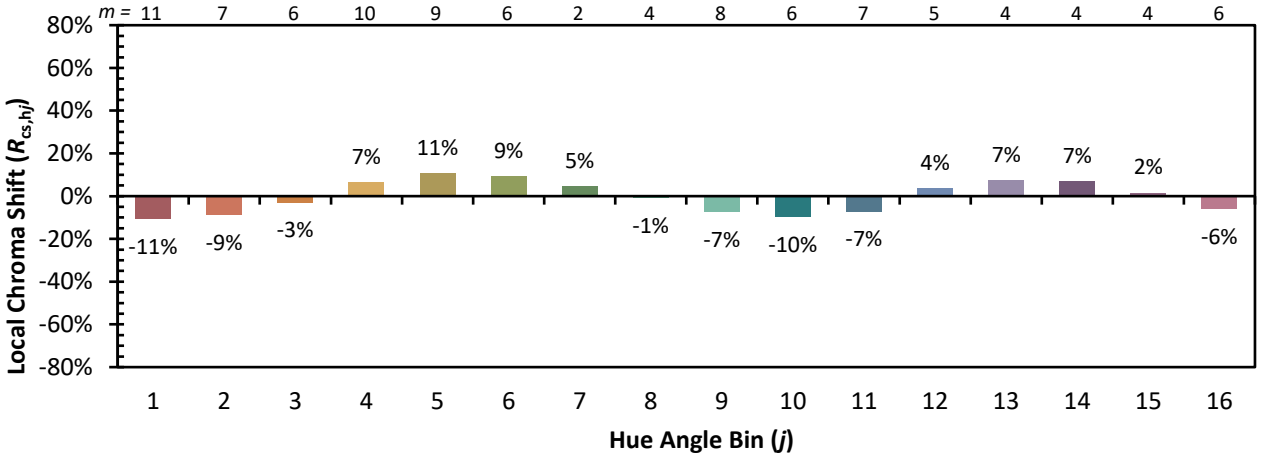
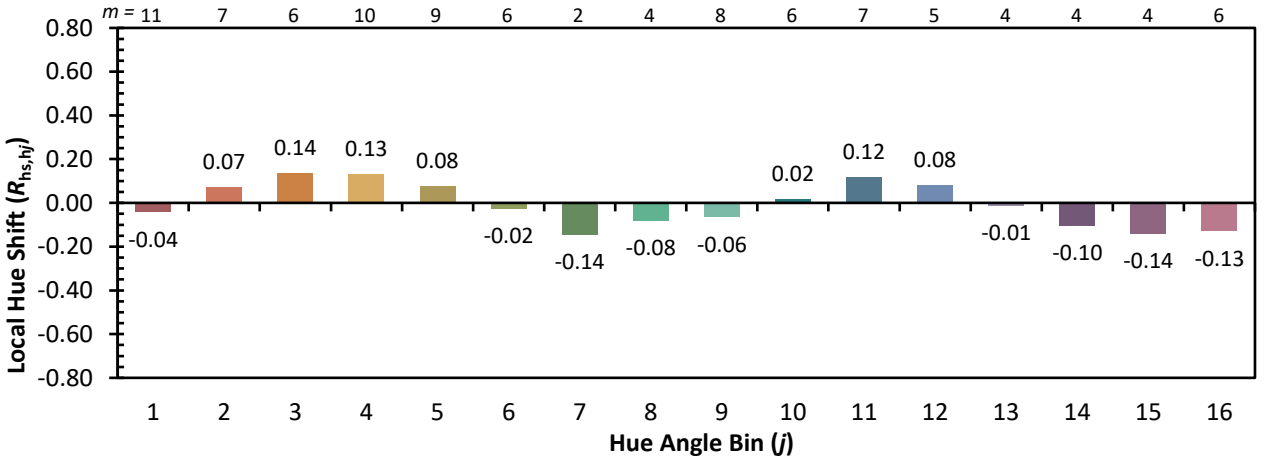
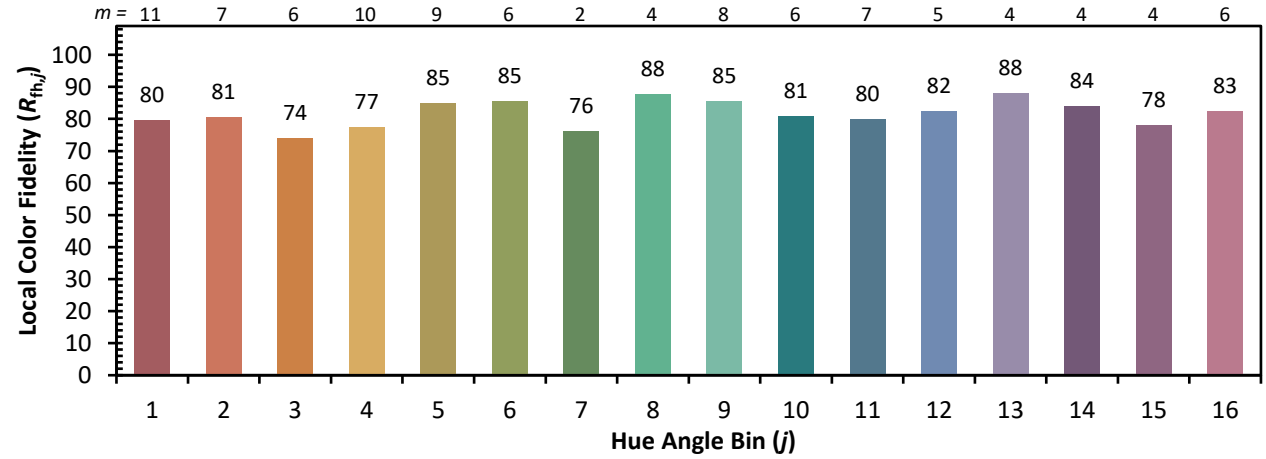
Color Rendition by Hue-Angle Bin







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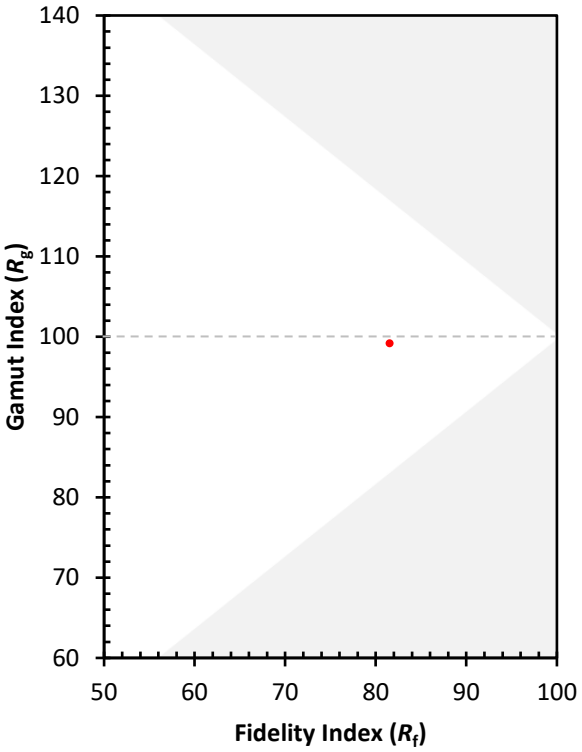
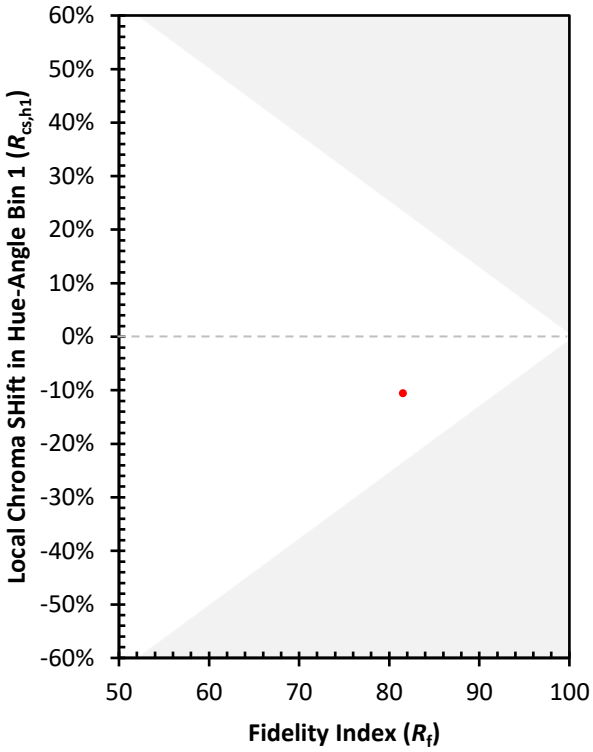
Measure Comparisons





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