Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

Scaled data based on original data using

LM-79-2019 Approved Method: Electrical and Photometric Measurements of Solid-State Lighting Products

Test Report Prepared for

Cooper Lighting Solutions

Brand: McGRAW-EDISON

Report Number: P643439

Luminaire Tested: GWS-SA6E-830-U-T2-W-GRSWH

Issue Date: 1/10/2023

Report Generated By 670246102 / DESKTOP-G35701P

Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

Scaled Data Report

Test Information

Test Method:	LM-79-2019
Report Number:	P643439
	TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-21)
Test Lab:	COOPER LIGHTING SOLUTIONS
Issue Date:	1/10/2023
Manufacturer:	COOPER LIGHTING SOLUTIONS
Product Line:	McGRAW-EDISON
Catalog Number:	GWS-SA6E-830-U-T2-W-GRSWH
Description:	GALLEON WALL SLIM LUMINAIRE. (6) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II OPTICS W/ FACTORY INSLLED GLARE SHIELD, WH
Light Source:	(96) 3000K CCT, 80 CRI LEDS
Ballast/Driver:	-

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	29647.5 lumens
Efficiency:	N/A
Efficacy:	91.6 lumens/watt
Luminous Opening:	Rectangular (W 2' x L: 1' x H: 0')
IES Classification:	Type II - Short
BUG Rating:	B3 - U0 - G3

Input Watts (W):	323.8
Input Voltage (V):	120
Input Current (Ain):	NR
Voltage Rise (V):	NR
Power Factor:	NR
Total Harmonic Distortion (THDi):	NR
Frequency (hertz):	0
Stabilization Time:	NR
Operation Time:	NR
Ambient Temperature (°C):	NR
Test Distance:	28.75 FT

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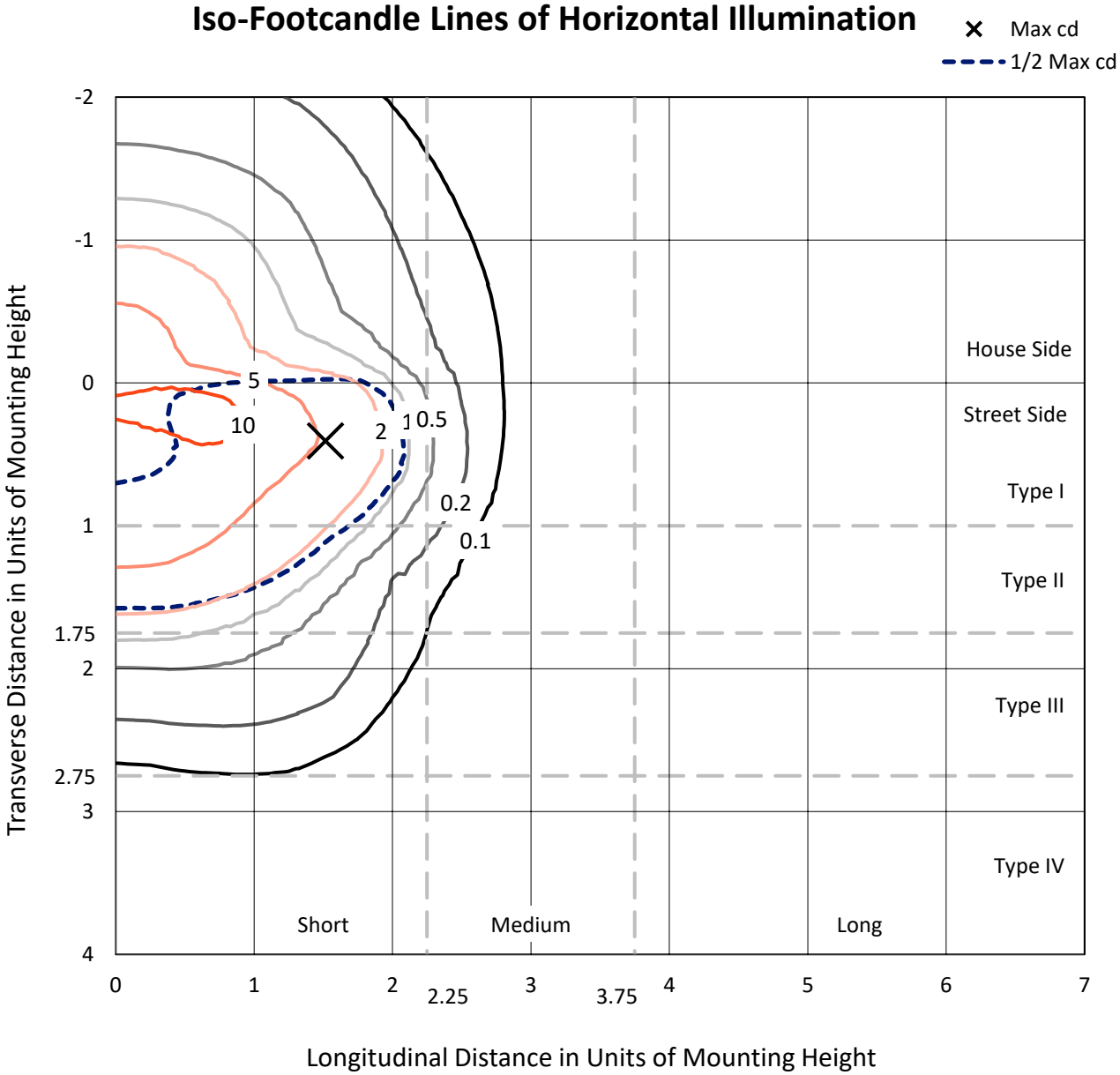
Scaled Data Report

REPORT NUMBER: P643439
CATALOG NUMBER: GWS-SA6E-830-U-T2-W-GRSWH

Iso-Footcandle Lines of Horizontal Illumination



Based on 25 foot mounting height. Maximum calculated value = 12.6 fc
Type II - Short - N/A

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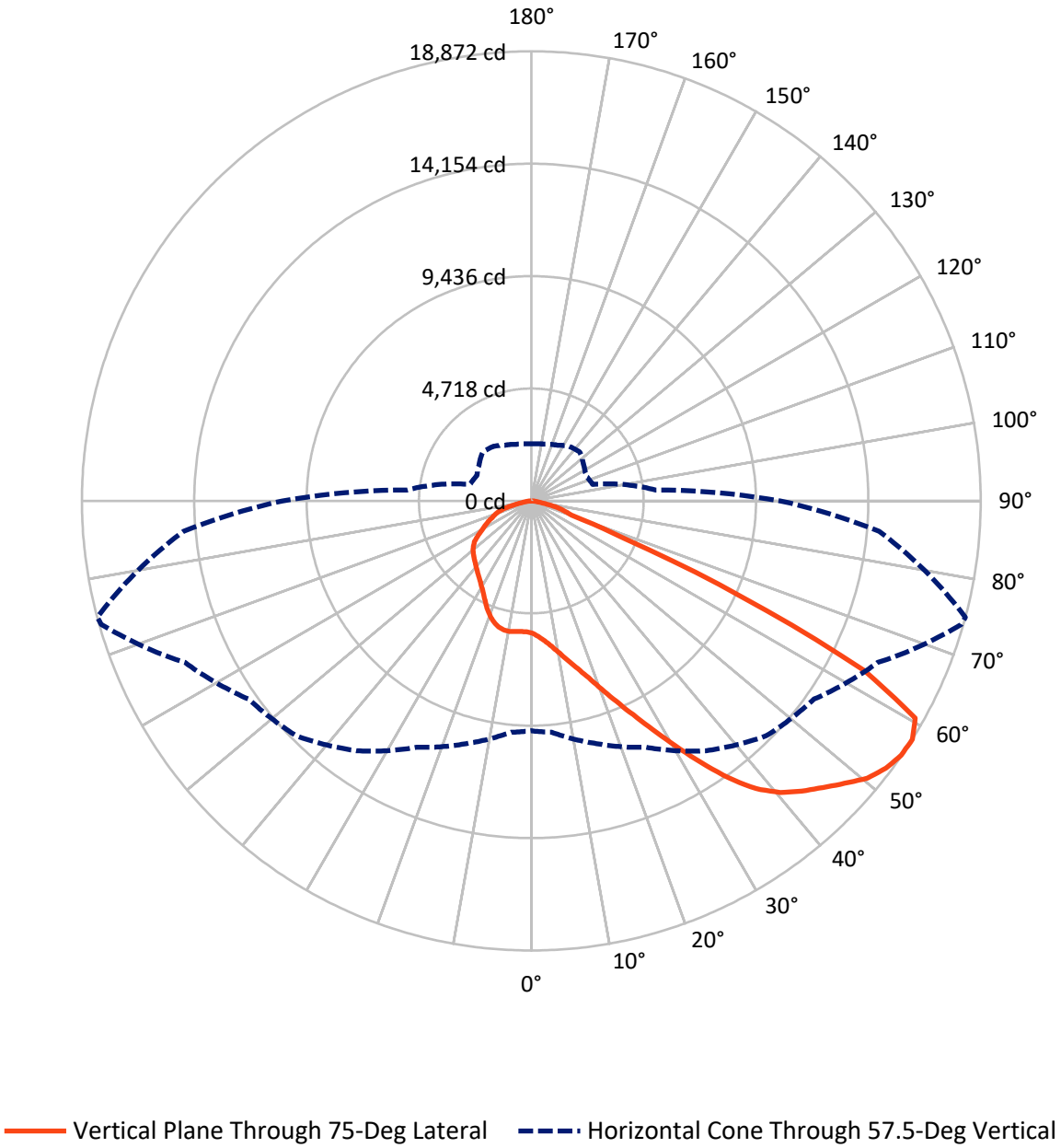
Luminous Intensity Polar Plot



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REPORT NUMBER: P643439
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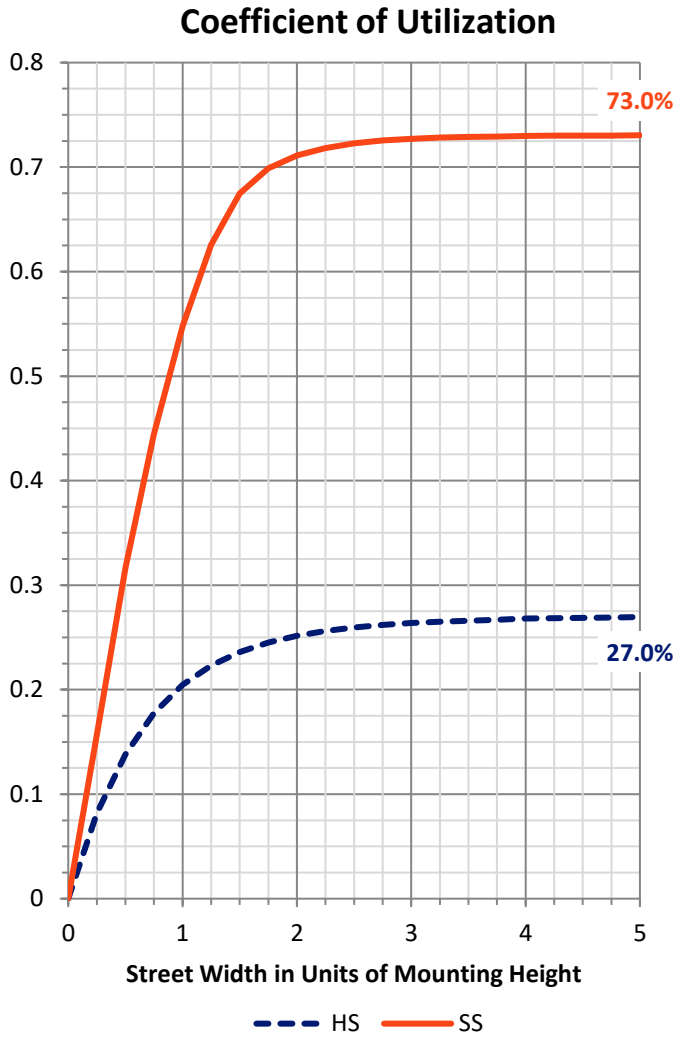
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	8020.2	0.0	8020.2
	% Fixture	27.1	0.0	27.1
Street Side	Lumens	21627.3	0.0	21627.3
	% Fixture	72.9	0.0	72.9
Total	Lumens	29647.5	0.0	29647.5
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	555.6	1.9
10°-20°	1769.0	6.0
20°-30°	3137.2	10.6
30°-40°	4802.5	16.2
40°-50°	6687.1	22.6
50°-60°	7662.1	25.8
60°-70°	3936.9	13.3
70°-80°	991.2	3.3
80°-90°	106.0	0.4
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°	29647.5	100.0
0°-180°	29647.5	100.0



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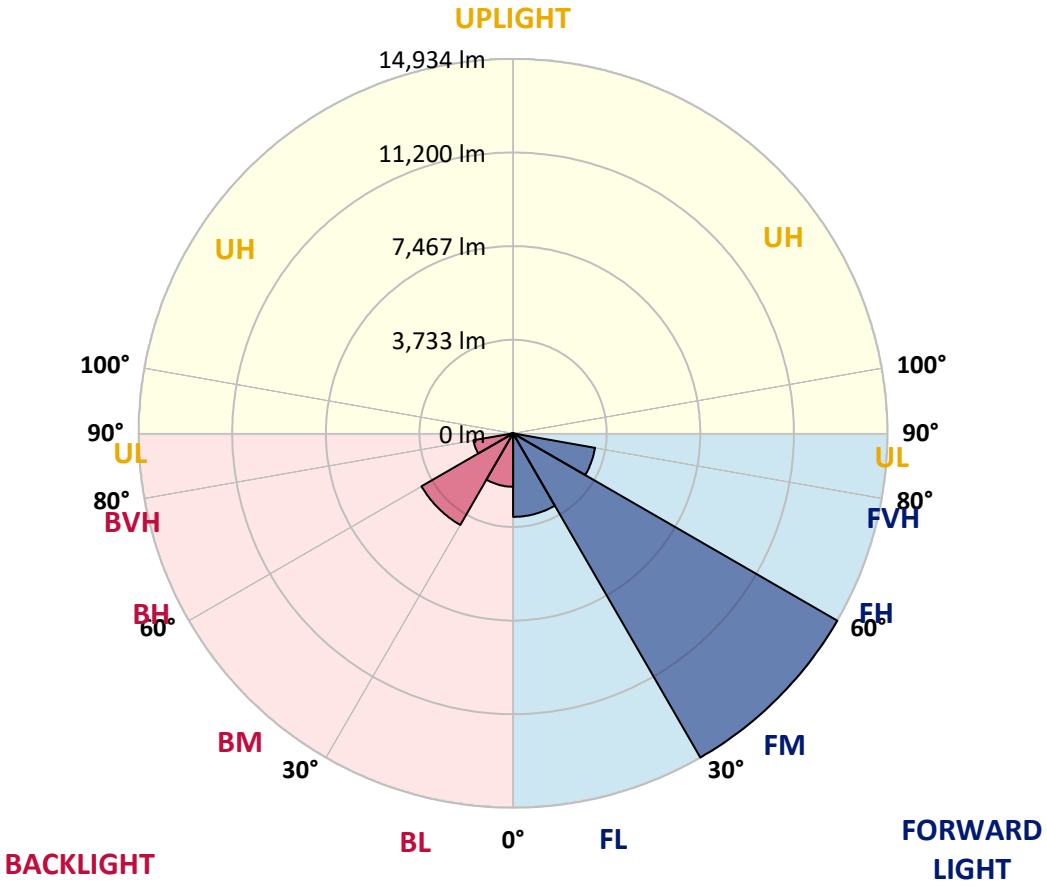
REPORT NUMBER: P643439
CATALOG NUMBER: GWS-SA6E-830-U-T2-W-GRSWH

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	3331.1	11.2			
FM	(30°-60°)	14933.8	50.4			
FH	(60°-80°)	3323.2	11.2			G2/5000
FVH	(80°-90°)	39.2	0.1			G1/100
BL	(0°-30°)	2130.7	7.2	B3/2500		
BM	(30°-60°)	4217.9	14.2	B3/5000		
BH	(60°-80°)	1604.9	5.4	B3/2500		G3/2500
BVH	(80°-90°)	66.7	0.2			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G3
Type II Short



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Scaled Data Report

REPORT NUMBER: P643439
CATALOG NUMBER: GWS-SA6E-830-U-T2-W-GRSWH

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	74°	75°	85°
0°	5552.3	5552.3	5552.3	5552.3	5552.3	5552.3	5552.3	5552.3	5552.3	*5552.3*	5552.3
2.5°	5965.2	5980.5	5965.2	5990.7	5939.8	5916.8	5860.7	5776.6	5710.3	*5700.1*	5626.2
5°	6429.2	6462.3	6442.0	6431.8	6362.9	6311.9	6227.8	6059.6	5921.9	*5901.5*	5756.2
7.5°	6727.5	6750.4	6750.4	6758.1	6732.6	6673.9	6584.7	6385.9	6192.1	*6161.5*	5942.3
10°	6826.9	6844.7	6877.9	6941.6	6992.6	7010.4	6951.8	6760.6	6523.5	*6492.9*	6187.0
12.5°	6849.8	6870.2	6921.2	7038.5	7178.7	7306.1	7316.3	7176.1	6911.0	*6877.9*	6470.0
15°	6893.2	6913.6	6982.4	7127.7	7334.2	7578.9	7729.3	7632.5	7339.3	*7303.6*	6791.2
17.5°	6888.1	6911.0	7013.0	7206.7	7484.6	7838.9	8129.6	8170.3	7867.0	*7805.8*	7155.7
20°	6875.3	6895.7	7005.3	7242.4	7586.6	8073.5	8598.6	8810.2	8483.9	*8427.8*	7581.5
22.5°	6977.3	7000.2	7084.4	7280.7	7640.1	8254.5	9032.0	9541.8	9215.5	*9136.5*	8070.9
25°	7206.7	7239.9	7290.9	7426.0	7737.0	8415.1	9475.6	10370.3	10036.4	*9942.1*	8603.7
27.5°	7561.1	7601.9	7673.2	7737.0	7953.7	8619.0	9916.6	11298.3	10964.3	*10864.9*	9167.1
30°	7994.4	8048.0	8139.8	8183.1	8330.9	8919.8	10395.8	12254.2	12060.5	*11922.8*	9801.9
32.5°	8593.5	8667.4	8754.1	8766.9	8856.1	9376.1	10870.0	13202.6	13200.0	*13103.1*	10523.3
35°	9373.6	9452.6	9470.5	9488.3	9531.6	10003.3	11443.6	14066.8	14400.7	*14288.5*	11308.5
37.5°	10225.0	10339.8	10367.8	10288.8	10350.0	10757.8	12088.5	14760.2	15445.9	*15326.1*	12068.1
40°	11135.1	11181.0	11257.5	11132.6	11209.0	11622.0	12720.8	15203.7	16226.0	*16098.5*	12667.2
42.5°	11787.7	11871.9	11986.6	11940.7	11984.0	12361.3	13164.3	15417.9	16781.7	*16654.2*	13098.0
45°	12496.4	12521.9	12595.8	12585.6	12611.1	12962.9	13483.0	15512.2	17278.8	*17164.1*	13465.1
47.5°	13113.3	13151.6	13200.0	13143.9	13087.8	13317.3	13743.0	15593.8	17852.4	*17714.7*	13850.1
50°	13707.3	13740.5	13799.1	13635.9	13426.9	13485.5	13870.5	15705.9	18390.3	*18293.4*	14153.4
52.5°	13816.9	13852.6	14127.9	14161.1	13893.4	13686.9	14094.8	15953.2	18706.4	*18645.2*	14263.0
55°	12437.8	12501.5	13049.6	13679.3	14339.5	14273.2	14454.2	16083.2	18831.3	*18846.6*	14459.3
57.5°	*9654.0*	*9745.8*	*10546.2*	*11410.4*	*12799.8*	*13949.5*	*14500.1*	*16050.1*	*18788.0*	*18872.1*	*14660.7*
60°	6332.3	6385.9	7334.2	8302.9	9743.2	11334.0	12978.2	15453.5	18403.0	*18522.8*	14609.7
62.5°	3823.9	3885.1	4647.3	5381.5	6230.4	7293.4	8802.6	12419.9	15425.5	*15693.2*	11701.1
65°	2669.1	2750.6	3418.5	4022.7	4315.9	4096.6	4458.6	6936.5	9610.7	*9722.8*	7150.6
67.5°	1934.9	1991.0	2539.1	3257.9	3581.7	2893.4	2205.1	3071.8	4185.9	*4226.7*	2949.5
70°	1267.0	1330.7	1827.8	2480.4	2924.0	2345.3	1649.4	1662.1	1761.5	*1781.9*	1713.1
72.5°	695.9	734.2	1129.3	1646.8	1728.4	1402.1	1287.4	1381.7	1450.5	*1450.5*	1468.4
75°	359.4	392.6	461.4	543.0	655.2	767.3	927.9	1068.1	1142.1	*1147.2*	1139.5
77.5°	183.5	196.3	247.3	267.7	293.2	341.6	443.6	568.5	634.8	*660.3*	655.2
80°	86.7	91.8	104.5	122.4	150.4	191.2	239.6	285.5	326.3	*331.4*	359.4
82.5°	45.9	51.0	56.1	66.3	81.6	102.0	140.2	168.3	193.7	*198.8*	221.8
85°	17.8	20.4	22.9	25.5	35.7	43.3	58.6	79.0	96.9	*96.9*	114.7
87.5°	0.0	0.0	0.0	0.0	2.5	5.1	10.2	12.7	17.8	*17.8*	30.6
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	*0.0*	0.0

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REPORT NUMBER: P643439
CATALOG NUMBER: GWS-SA6E-830-U-T2-W-GRSWH

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	5552.3	5552.3	5552.3	5552.3	5552.3	5552.3	5552.3	5552.3	5552.3	5552.3	5552.3
2.5°	5608.3	5534.4	5501.3	5447.7	5404.4	5356.0	5317.7	5289.7	5271.8	5261.7	5251.5
5°	5700.1	5588.0	5498.7	5391.7	5317.7	5246.4	5187.7	5146.9	5126.5	5111.2	5101.0
7.5°	5842.9	5692.5	5524.2	5358.5	5228.5	5113.8	5039.9	4996.5	4968.5	4958.3	4950.6
10°	6039.2	5830.1	5552.3	5289.7	5095.9	4971.0	4920.1	4899.7	4902.2	4897.1	4894.6
12.5°	6261.0	5975.4	5544.6	5167.3	4953.2	4879.3	4881.8	4915.0	4953.2	4963.4	4965.9
15°	6500.6	6118.2	5470.7	5009.3	4841.0	4848.7	4915.0	4994.0	5065.4	5093.4	5098.5
17.5°	6760.6	6238.0	5335.6	4835.9	4749.3	4830.8	4953.2	5083.2	5187.7	5233.6	5246.4
20°	7051.2	6340.0	5144.4	4665.1	4662.6	4797.7	4976.1	5146.9	5279.5	5340.7	5350.9
22.5°	7359.7	6403.7	4909.9	4507.1	4573.4	4754.3	4958.3	5136.7	5276.9	5338.1	5350.9
25°	7670.7	6424.1	4652.4	4361.8	4481.6	4685.5	4871.6	5014.4	5146.9	5200.5	5210.7
27.5°	7961.3	6365.5	4407.7	4236.9	4397.5	4583.6	4708.5	4784.9	4876.7	4917.5	4925.1
30°	8257.0	6248.2	4201.2	4137.4	4303.1	4443.3	4499.4	4504.5	4540.2	4540.2	4545.3
32.5°	8555.3	6074.9	4020.2	4040.6	4185.9	4277.6	4285.3	4226.7	4183.3	4111.9	4109.4
35°	8899.4	5899.0	3872.3	3930.9	4048.2	4104.3	4081.3	3969.2	3864.7	3747.4	3742.3
37.5°	9218.1	5718.0	3747.4	3818.8	3892.7	3933.5	3880.0	3744.8	3658.2	3538.4	3520.5
40°	9480.7	5554.8	3627.6	3701.5	3737.2	3772.9	3686.2	3576.6	3589.3	3523.1	3520.5
42.5°	9633.6	5396.8	3515.4	3571.5	3594.4	3619.9	3543.5	3461.9	3530.7	3479.7	3482.3
45°	9745.8	5259.1	3413.4	3433.8	3489.9	3528.2	3456.8	3365.0	3380.3	3184.0	3138.1
47.5°	9873.2	5182.6	3316.6	3296.2	3395.6	3461.9	3352.3	3219.7	3127.9	2934.2	2916.3
50°	10008.4	5154.6	3214.6	3158.5	3278.3	3342.1	3214.6	3048.9	2929.1	2824.6	2814.4
52.5°	10054.2	5152.0	3087.1	2992.8	3112.6	3201.9	3094.8	2926.5	2783.8	2681.8	2676.7
55°	10235.2	5226.0	2924.0	2765.9	2878.1	3061.6	2982.6	2740.4	2625.7	2579.8	2574.7
57.5°	*10446.8*	*5238.7*	*2666.5*	*2518.7*	*2674.2*	*2890.8*	*2791.4*	*2582.4*	*2457.5*	*2401.4*	*2396.3*
60°	10360.1	4925.1	2391.2	2330.0	2500.8	2730.2	2638.5	2457.5	2312.2	2258.6	2253.5
62.5°	7895.0	3477.2	2189.8	2166.9	2314.7	2498.3	2480.4	2291.8	2154.1	2115.9	2110.8
65°	4749.3	2442.2	1996.1	1993.5	2098.0	2273.9	2296.9	2143.9	1998.6	1945.1	1945.1
67.5°	2347.9	1868.6	1776.8	1764.1	1830.4	1955.3	2052.1	1927.2	1804.9	1753.9	1746.2
70°	1659.6	1646.8	1616.2	1580.5	1593.3	1644.3	1685.1	1580.5	1450.5	1399.5	1389.3
72.5°	1435.2	1437.8	1417.4	1389.3	1379.1	1343.5	1307.8	1231.3	1152.3	1098.7	1103.8
75°	1114.0	1119.1	1131.9	1121.7	1093.6	1055.4	1017.2	920.3	856.5	805.6	795.4
77.5°	650.1	675.6	716.3	706.1	711.2	657.7	642.4	548.1	489.5	453.8	446.1
80°	367.1	382.4	400.2	413.0	397.7	374.7	341.6	290.6	272.8	247.3	242.2
82.5°	221.8	237.1	244.7	254.9	249.8	219.2	193.7	160.6	145.3	132.6	130.0
85°	112.2	122.4	130.0	135.1	119.8	99.4	89.2	71.4	61.2	53.5	53.5
87.5°	28.0	30.6	35.7	30.6	28.0	12.7	10.2	2.5	0.0	0.0	0.0
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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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

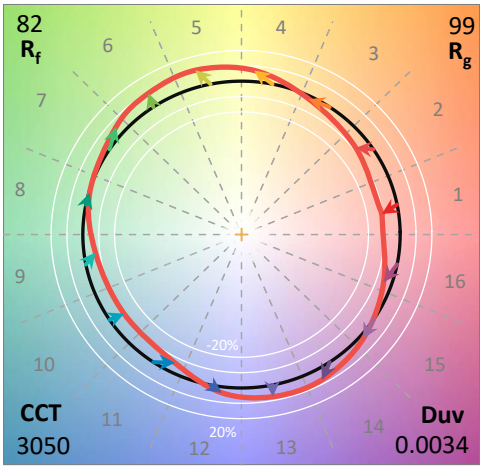
Test Information

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

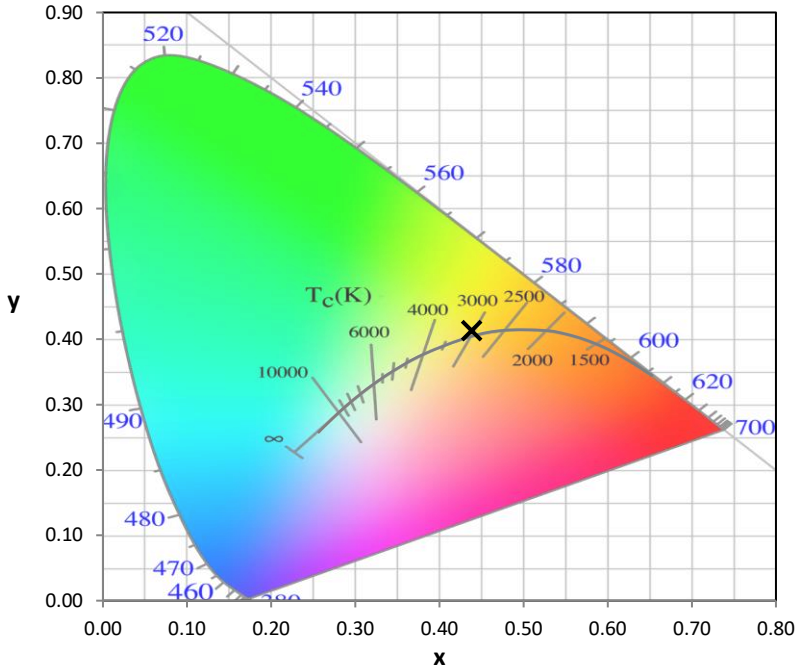
Stabilization Time:	20M
Operation Time:	1H 20M
Sphere Temperature (°C):	24.2

REPORT NUMBER: SP1-2408-195-9

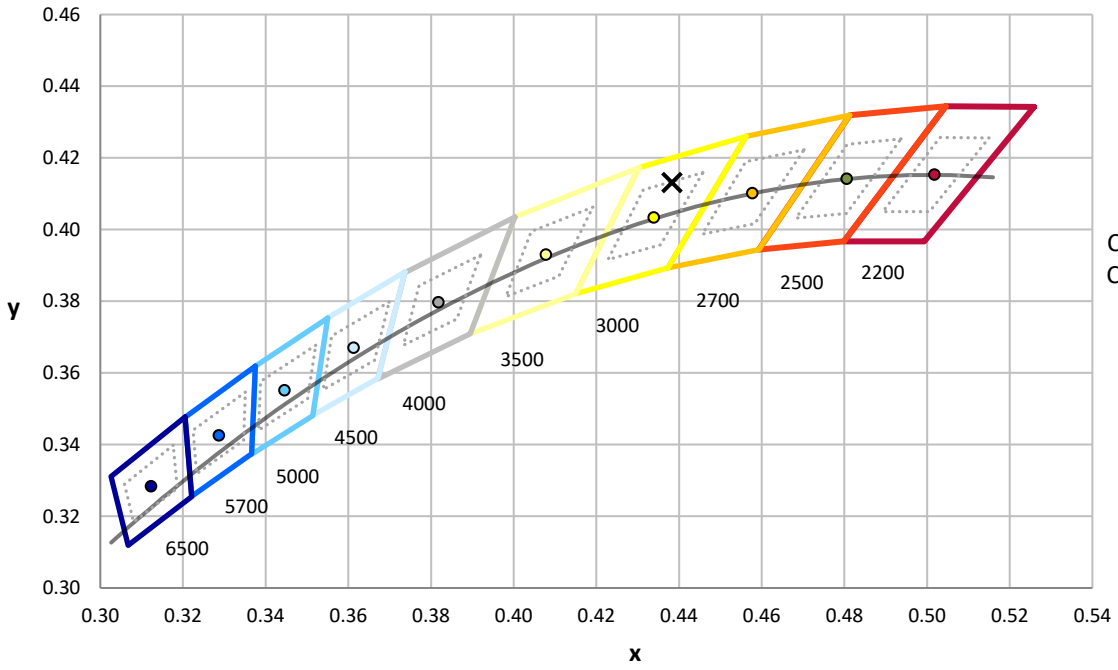
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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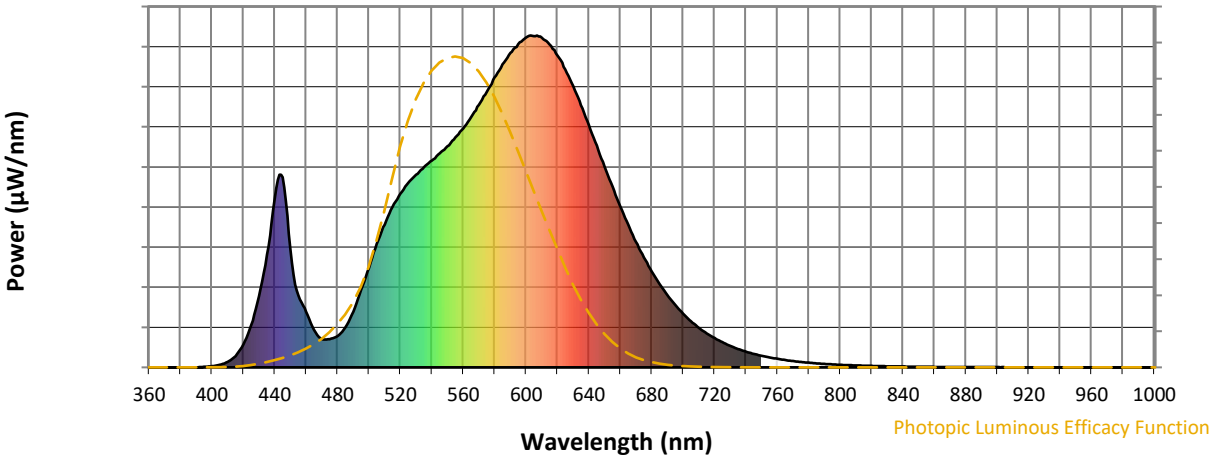
Photopic Flux vs. Wavelength



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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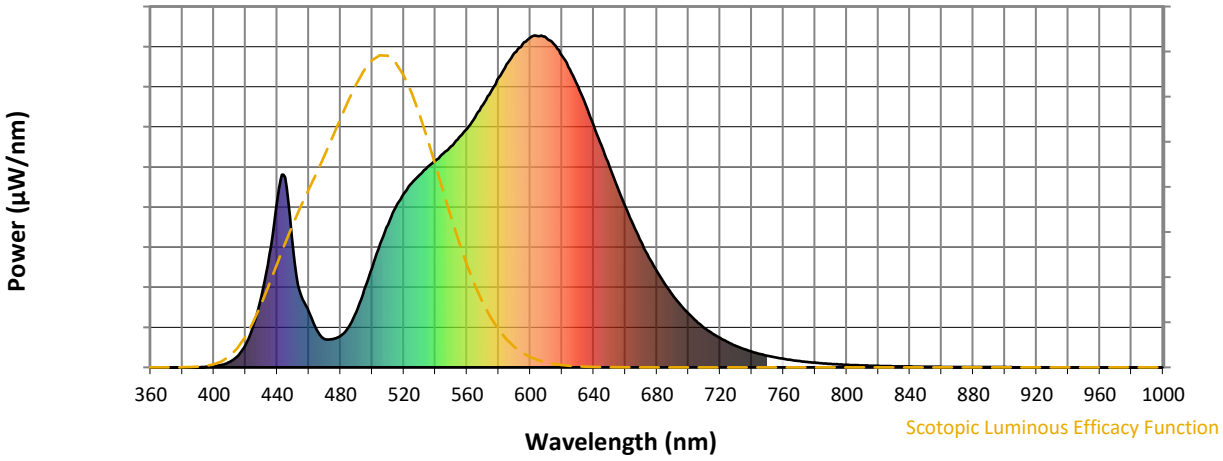
Scotopic Flux vs. Wavelength



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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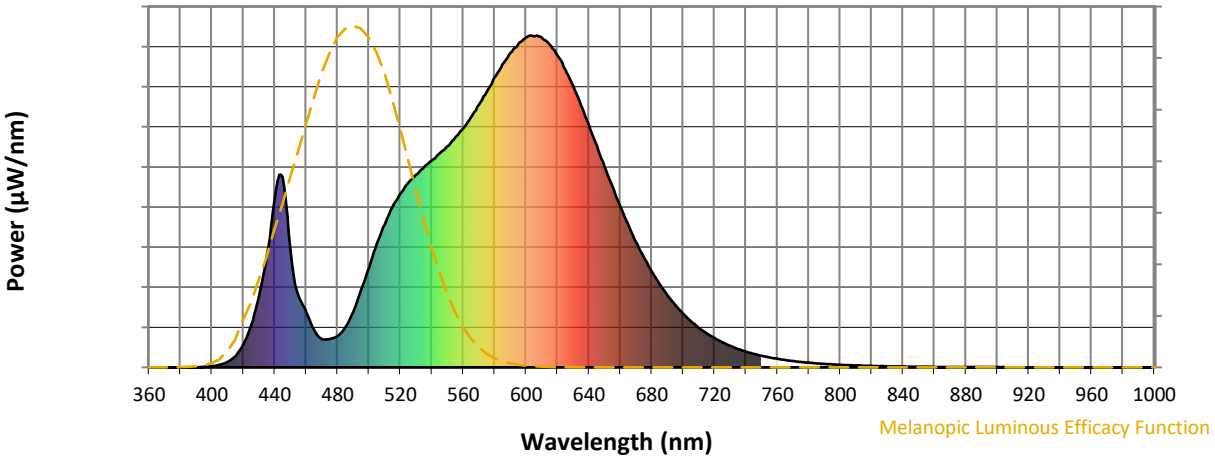
Melanopic Flux vs. Wavelength



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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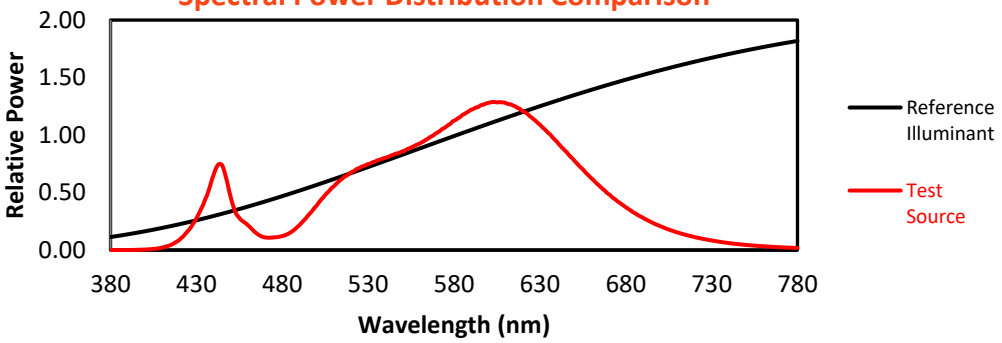
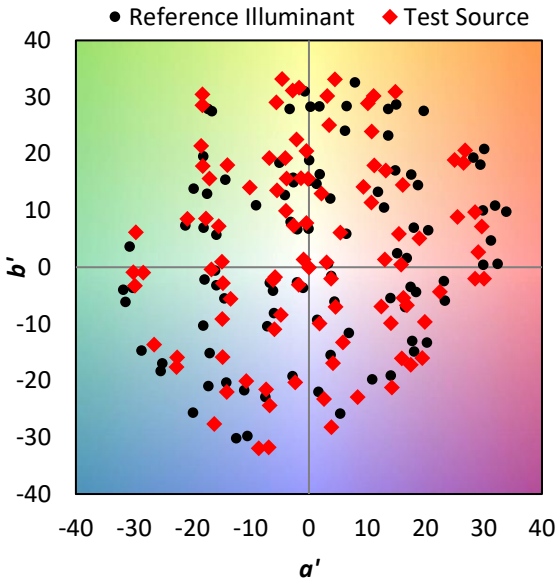
Summary

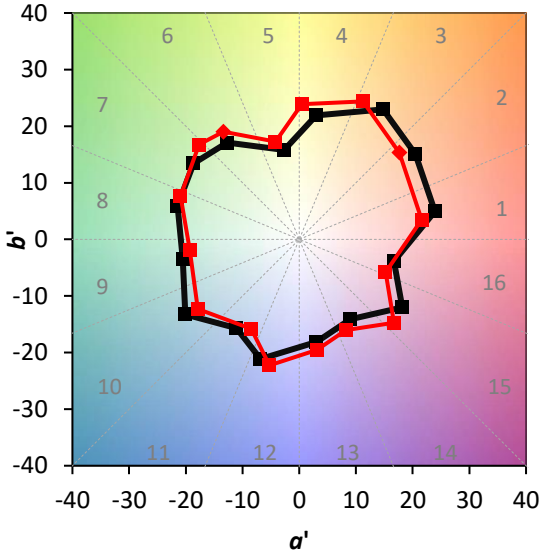
R_f = 81.5
R_g = 99.2
CIE R_a = 81.0
R_9 = 7.1

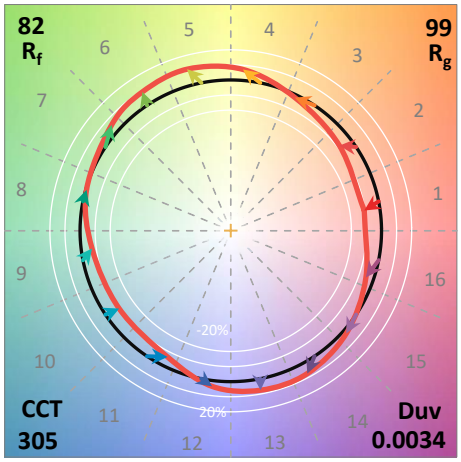
Spectral Power Distribution Comparison

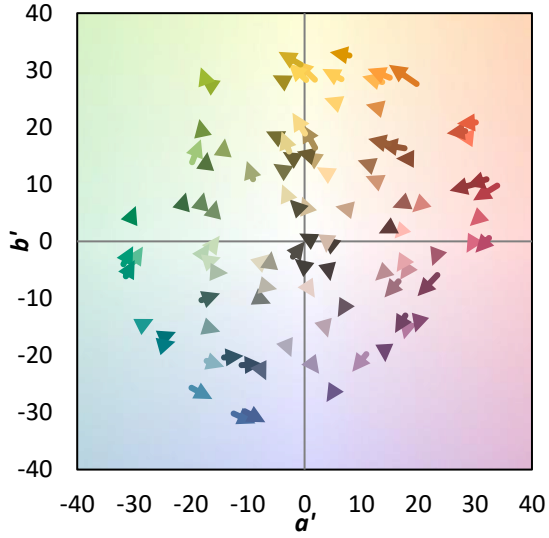


Color Vector Graphics









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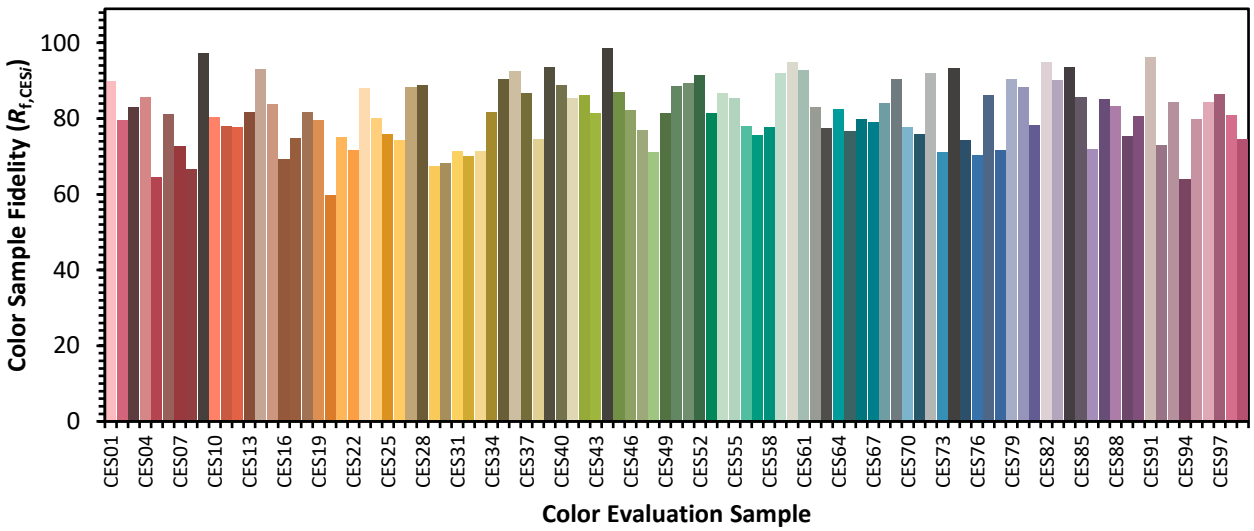
Individual Sample Fidelity Index ($R_{f,i}$)

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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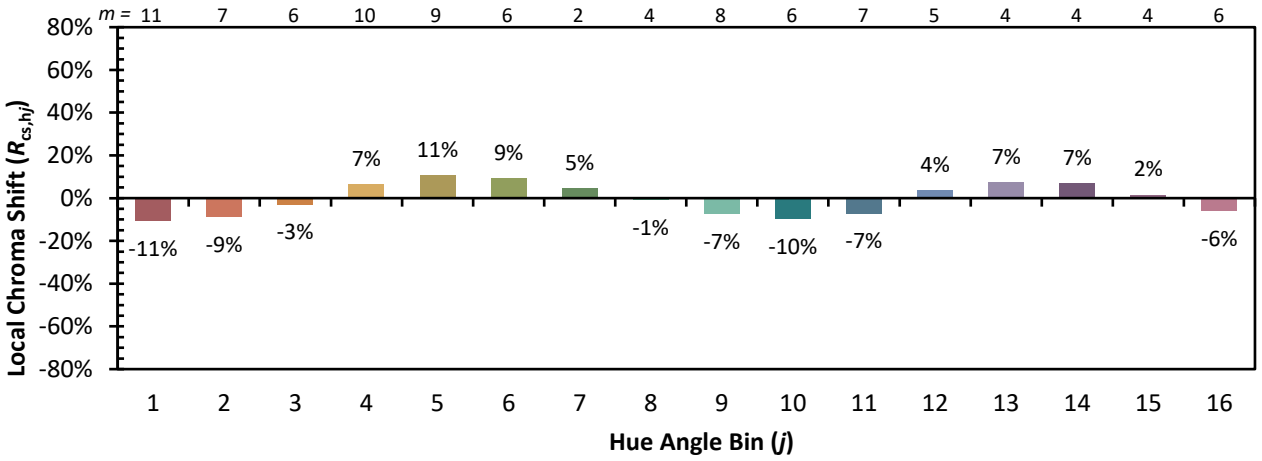
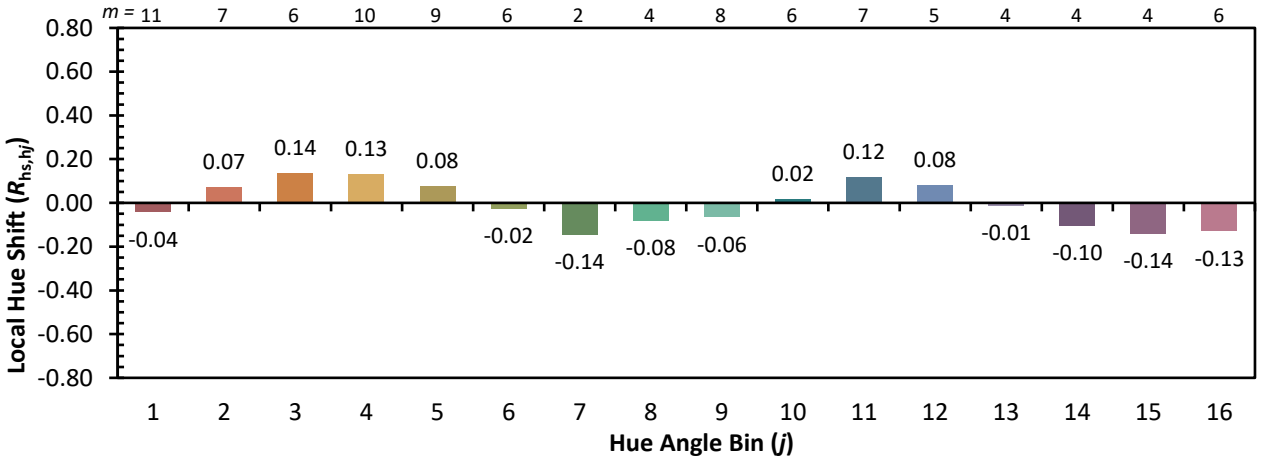
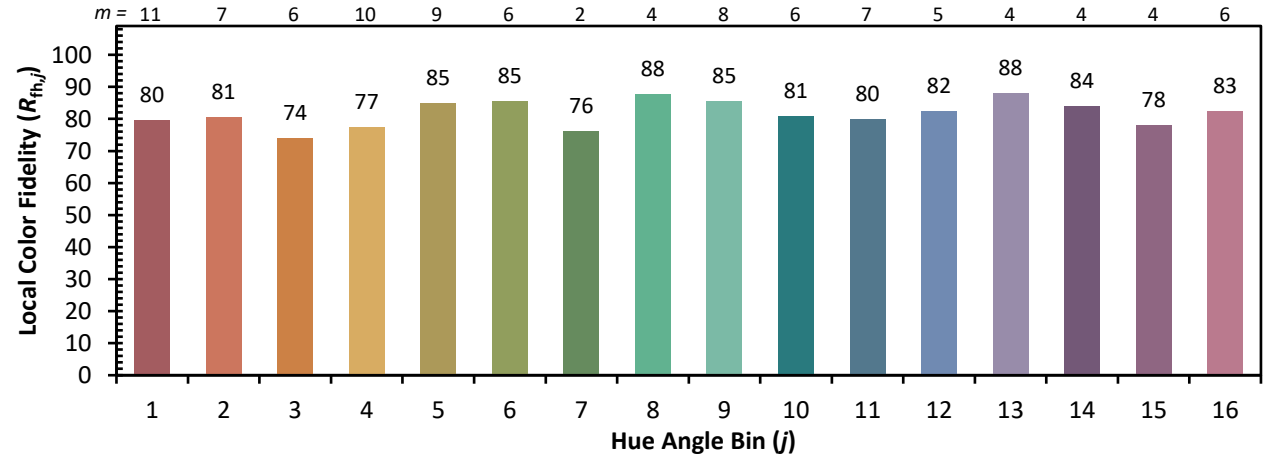
Color Rendition by Hue-Angle Bin







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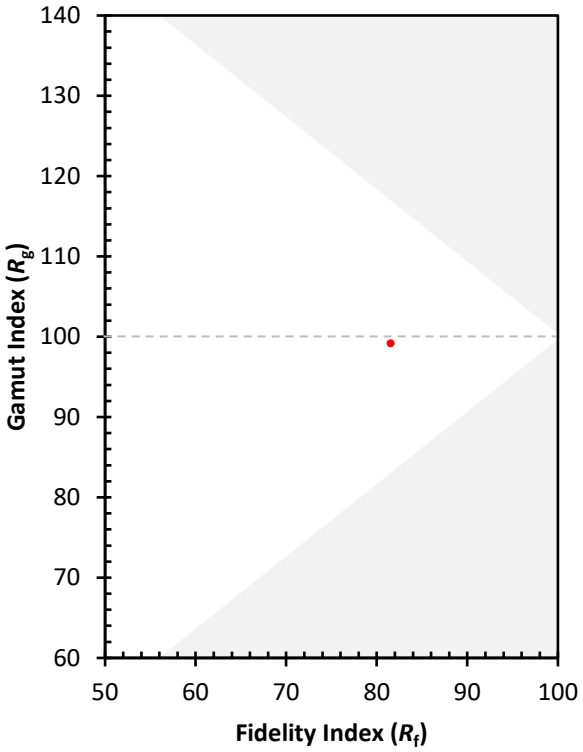
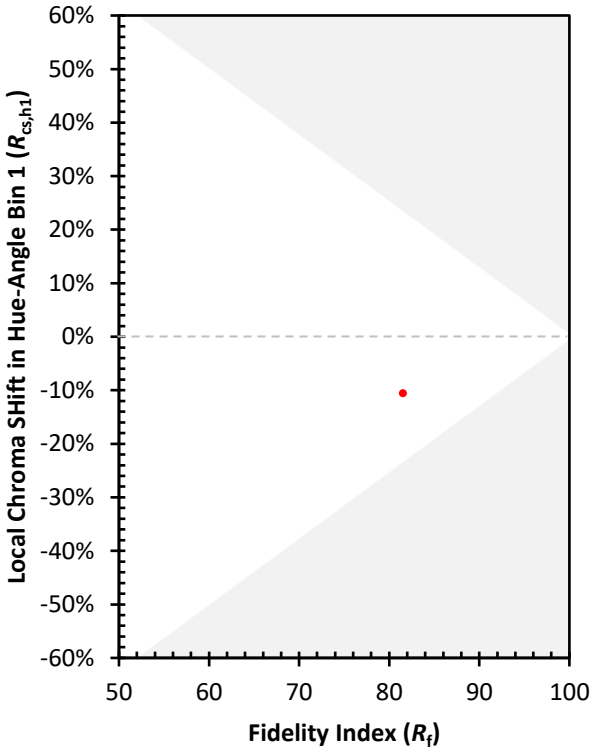
Measure Comparisons





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