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: P642942

Luminaire Tested: GWS-SA6D-830-U-T1-W

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:	P642942
	TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-10)
Test Lab:	COOPER LIGHTING SOLUTIONS
Issue Date:	1/10/2023
Manufacturer:	COOPER LIGHTING SOLUTIONS
Product Line:	McGRAW-EDISON
Catalog Number:	GWS-SA6D-830-U-T1-W
Description:	GALLEON WALL SLIM LUMINAIRE. (6) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE I OPTICS
Light Source:	(96) 3000K CCT, 80 CRI LEDS
Ballast/Driver:	-

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	28404.3 lumens
Efficiency:	N/A
Efficacy:	115.6 lumens/watt
Luminous Opening:	Rectangular (W 2' x L: 1' x H: 0')
IES Classification:	Type I - Medium
BUG Rating:	B4 - U0 - G4

Input Watts (W):	245.7
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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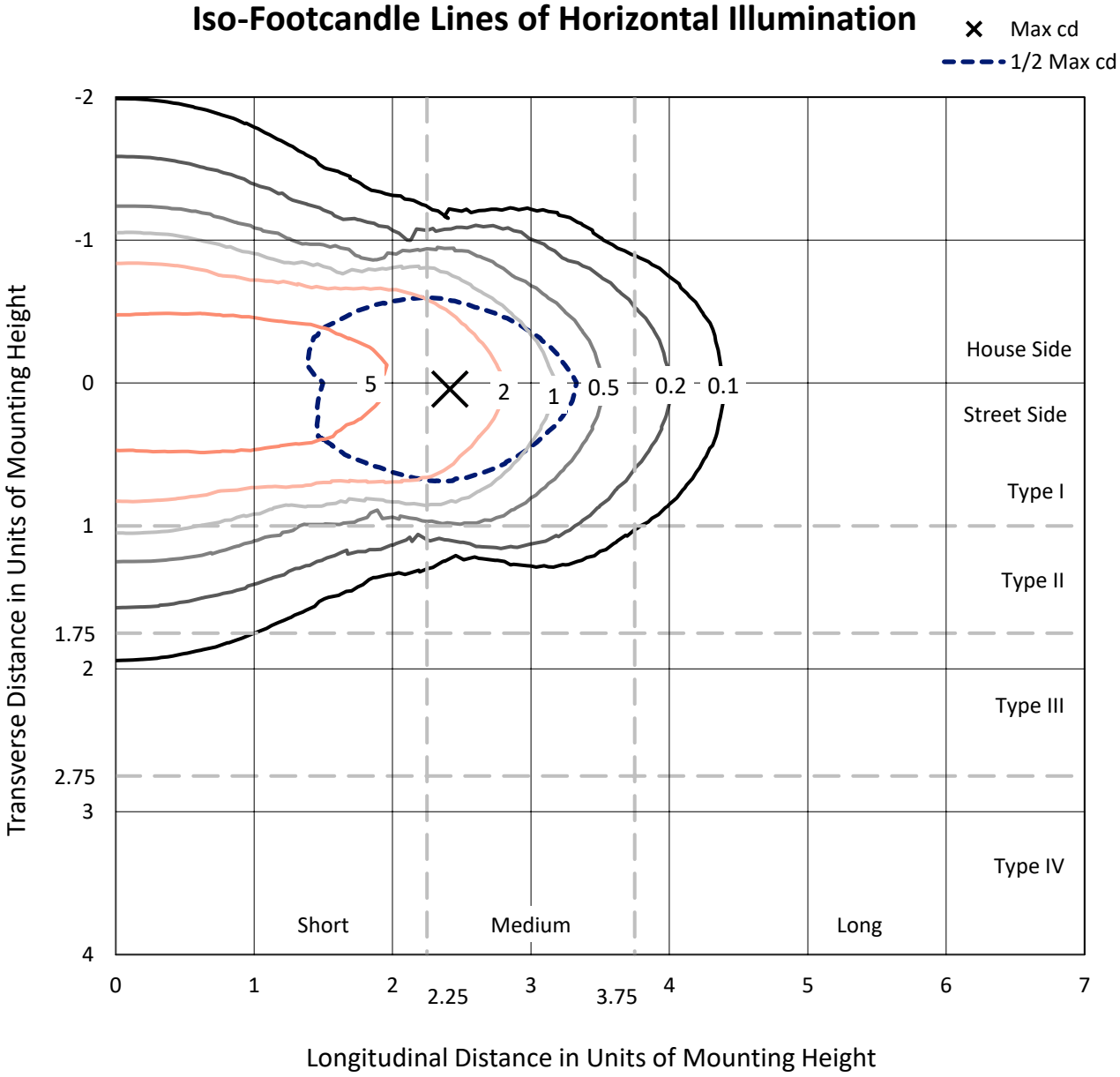
REPORT NUMBER: P642942
CATALOG NUMBER: GWS-SA6D-830-U-T1-W

Iso-Footcandle Lines of Horizontal Illumination



Based on 25 foot mounting height. Maximum calculated value = 8.3 fc
Type I - Medium - N/A

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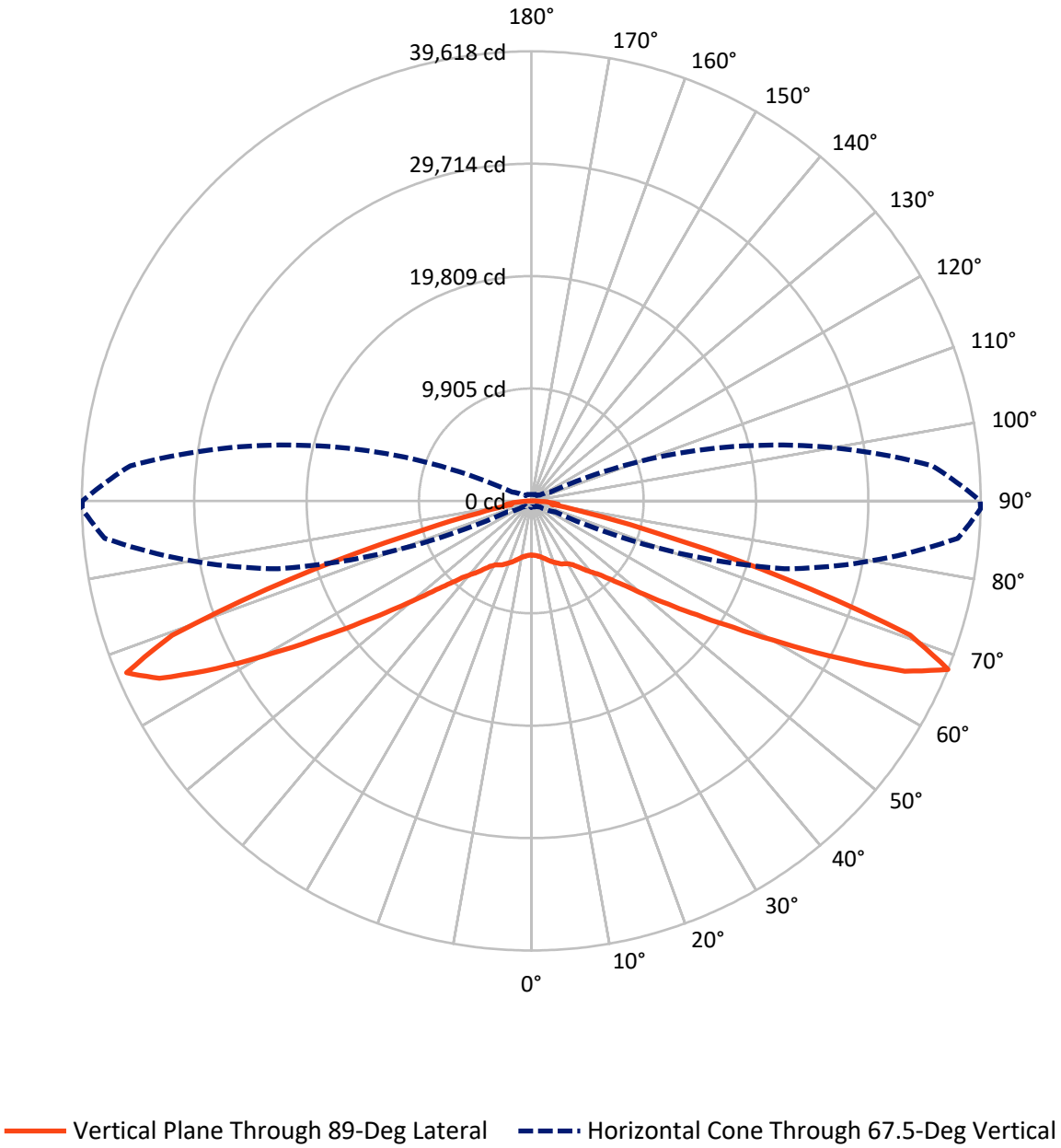
Luminous Intensity Polar Plot



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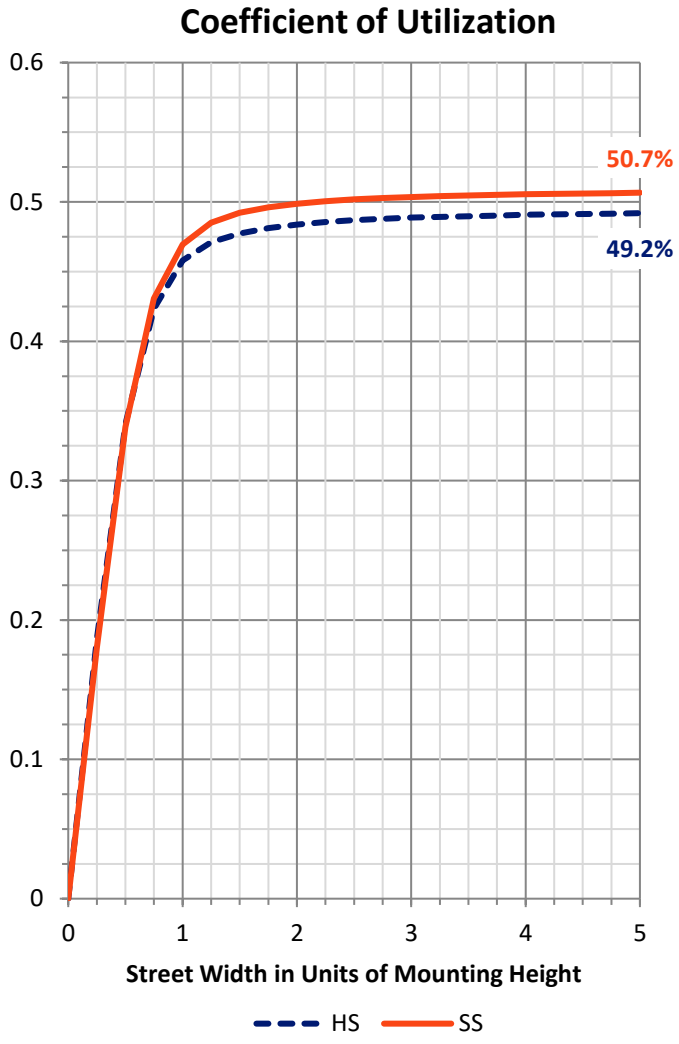
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	14077.7	0.0	14077.7
	% Fixture	49.6	0.0	49.6
Street Side	Lumens	14326.6	0.0	14326.6
	% Fixture	50.4	0.0	50.4
Total	Lumens	28404.3	0.0	28404.3
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	478.2	1.7
10°-20°	1557.1	5.5
20°-30°	2632.2	9.3
30°-40°	3612.4	12.7
40°-50°	4606.6	16.2
50°-60°	5779.7	20.3
60°-70°	6970.9	24.5
70°-80°	2521.8	8.9
80°-90°	245.2	0.9
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°	28404.3	100.0
0°-180°	28404.3	100.0



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REPORT NUMBER: P642942
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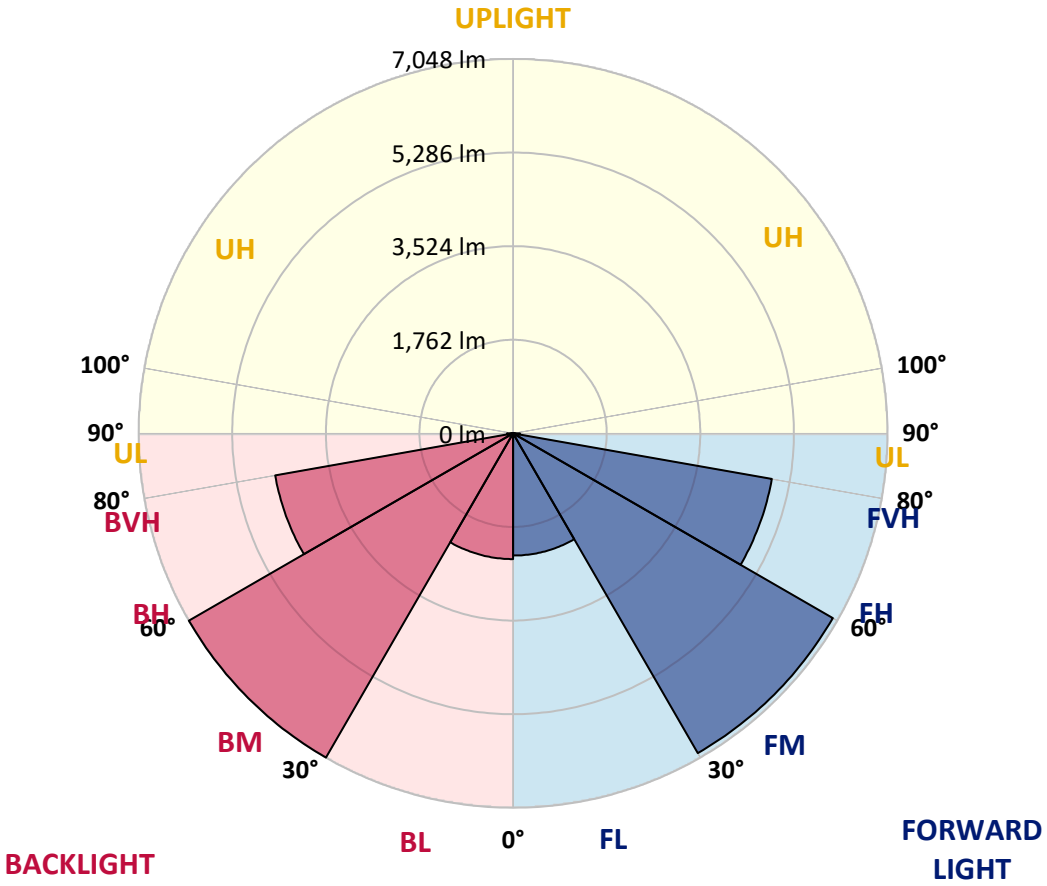
LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	2300.5	8.1			
FM	(30°-60°)	6951.1	24.5			
FH	(60°-80°)	4945.6	17.4			G2/5000
FVH	(80°-90°)	129.4	0.5			G2/225
BL	(0°-30°)	2367.0	8.3	B3/2500		
BM	(30°-60°)	7047.7	24.8	B4/8500		
BH	(60°-80°)	4547.1	16.0	B4/5000		G4/5000
BVH	(80°-90°)	115.8	0.4			G2/225
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B4-U0-G4
Type I Medium



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Scaled Data Report

REPORT NUMBER: P642942
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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	89°
0°	4767.4	4767.4	4767.4	4767.4	4767.4	4767.4	4767.4	4767.4	4767.4	4767.4	*4767.4*
2.5°	4781.7	4777.6	4767.4	4798.0	4791.9	4794.0	4806.2	4798.0	4783.8	4759.3	*4794.0*
5°	4916.4	4914.3	4891.9	4910.2	4889.8	4875.6	4873.5	4853.1	4836.8	4810.3	*4847.0*
7.5°	5046.9	5044.9	5026.5	5059.2	5042.8	5026.5	5008.2	4967.4	4928.6	4889.8	*4930.6*
10°	5146.9	5144.8	5140.7	5187.7	5191.7	5197.9	5189.7	5120.3	5053.0	5006.1	*5046.9*
12.5°	5204.0	5210.1	5220.3	5306.0	5348.8	5389.6	5399.8	5342.7	5230.5	5163.2	*5212.1*
15°	5165.2	5177.5	5228.5	5383.5	5501.8	5593.6	5632.4	5585.5	5440.6	5328.4	*5383.5*
17.5°	4979.6	4989.8	5089.7	5326.4	5587.5	5799.7	5862.9	5834.3	5673.2	5536.5	*5589.5*
20°	4722.6	4745.0	4853.1	5183.6	5573.2	5942.5	6111.8	6101.6	5926.1	5716.0	*5779.3*
22.5°	4490.0	4516.5	4630.8	4995.9	5477.3	5979.2	6362.7	6389.2	6156.7	5895.5	*5946.5*
25°	4228.9	4253.4	4400.2	4773.6	5312.1	5950.6	6576.9	6697.3	6417.8	6101.6	*6148.5*
27.5°	3961.6	3980.0	4124.8	4522.6	5095.9	5897.6	6746.2	7035.9	6674.8	6244.4	*6277.0*
30°	3727.0	3751.5	3884.1	4271.7	4859.2	5791.5	6884.9	7397.0	6970.6	6405.5	*6432.1*
32.5°	3500.6	3521.0	3665.8	4024.9	4608.3	5628.3	7009.4	7821.3	7409.2	6705.4	*6705.4*
35°	3215.0	3251.7	3414.9	3788.2	4371.7	5412.1	7099.1	8315.0	8009.0	7148.1	*7150.1*
37.5°	2951.9	2972.3	3143.6	3521.0	4122.8	5167.3	7107.3	8827.0	8767.8	7711.1	*7715.2*
40°	2652.0	2678.5	2862.1	3235.4	3837.2	4910.2	7029.8	9304.3	9563.4	8290.5	*8268.0*
42.5°	2348.0	2386.8	2562.2	2927.4	3529.2	4596.1	6823.7	9759.3	10573.2	8961.6	*8906.6*
45°	2054.3	2078.7	2254.2	2598.9	3176.2	4220.7	6493.3	10195.8	11772.7	9981.6	*9902.1*
47.5°	1723.8	1734.0	1915.5	2246.0	2811.1	3802.5	6020.0	10585.5	13090.6	11332.1	*11195.4*
50°	1430.0	1444.3	1587.1	1870.7	2364.3	3306.8	5430.4	10813.9	14769.5	13174.2	*12937.6*
52.5°	1156.7	1170.9	1285.2	1511.6	1954.3	2741.7	4700.1	10760.9	16472.8	15461.0	*15116.3*
55°	934.3	944.5	1022.0	1199.5	1538.1	2180.7	3837.2	10285.6	18363.9	18447.5	*17705.0*
57.5°	789.5	793.6	846.6	954.7	1201.5	1680.9	2962.1	9163.6	20346.8	22258.2	*21038.3*
60°	705.8	707.9	732.4	799.7	948.6	1283.1	2170.5	7376.6	22401.0	27025.7	*25352.9*
62.5°	652.8	652.8	673.2	712.0	787.4	987.4	1595.3	5297.8	23875.9	32213.3	*30550.7*
65°	601.8	601.8	616.1	648.7	689.5	805.8	1197.5	3417.0	24600.1	36550.3	*36181.1*
67.5°	*536.5*	*538.6*	*548.8*	*583.4*	*620.2*	*673.2*	*907.8*	*2311.3*	*23096.7*	*37749.8*	*39618.4*
70°	475.3	477.4	491.6	514.1	544.7	581.4	709.9	1593.2	16811.5	31440.2	*35424.3*
72.5°	408.0	416.2	426.4	450.8	469.2	495.7	579.4	1032.2	9781.7	20224.4	*23416.9*
75°	334.6	344.8	357.0	381.5	393.7	403.9	477.4	736.4	4706.2	10248.9	*11670.7*
77.5°	259.1	269.3	283.6	306.0	314.2	326.4	365.2	532.4	2254.2	4543.0	*4898.0*
80°	173.4	177.5	189.7	216.2	230.5	238.7	269.3	363.1	979.2	1823.7	*1807.4*
82.5°	106.1	108.1	112.2	128.5	134.6	142.8	175.4	222.4	467.2	2072.6	*2376.6*
85°	38.8	36.7	34.7	44.9	53.0	61.2	81.6	112.2	204.0	1423.9	*1593.2*
87.5°	0.0	0.0	0.0	2.0	4.1	4.1	8.2	16.3	49.0	532.4	*365.2*
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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Scaled Data Report

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CATALOG NUMBER: GWS-SA6D-830-U-T1-W

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	4767.4	4767.4	4767.4	4767.4	4767.4	4767.4	4767.4	4767.4	4767.4	4767.4	4767.4
2.5°	4783.8	4761.3	4789.9	4810.3	4855.2	4871.5	4875.6	4861.3	4861.3	4836.8	4840.9
5°	4838.8	4824.6	4871.5	4906.2	4971.4	4995.9	5012.2	5002.0	5008.2	4991.8	4995.9
7.5°	4922.5	4910.2	4991.8	5059.2	5126.5	5155.0	5169.3	5161.1	5163.2	5142.8	5148.9
10°	5038.8	5042.8	5140.7	5228.5	5318.2	5346.8	5352.9	5328.4	5308.0	5271.3	5273.3
12.5°	5197.9	5218.3	5357.0	5454.9	5546.7	5587.5	5542.6	5452.9	5369.2	5306.0	5297.8
15°	5371.3	5408.0	5607.9	5732.3	5832.3	5811.9	5679.3	5477.3	5312.1	5218.3	5199.9
17.5°	5579.3	5634.4	5885.3	6034.3	6119.9	5989.4	5711.9	5410.0	5179.5	5053.0	5028.6
20°	5775.2	5862.9	6179.1	6372.9	6383.1	6089.3	5697.7	5273.3	4983.7	4828.6	4796.0
22.5°	5954.7	6066.9	6487.1	6734.0	6601.4	6134.2	5609.9	5079.5	4747.0	4565.5	4536.9
25°	6150.5	6309.7	6846.2	7076.7	6819.7	6115.9	5426.3	4838.8	4461.4	4275.8	4255.4
27.5°	6285.2	6485.1	7207.2	7427.6	6999.2	6011.8	5189.7	4575.7	4200.3	4024.9	3996.3
30°	6440.2	6695.2	7605.0	7809.0	7109.3	5858.8	4936.8	4330.9	3957.6	3767.8	3747.4
32.5°	6721.7	7042.0	8098.7	8213.0	7144.0	5669.1	4694.0	4094.2	3704.6	3514.9	3486.3
35°	7174.6	7550.0	8792.3	8663.8	7117.5	5461.0	4463.5	3816.8	3445.5	3268.0	3239.5
37.5°	7745.8	8213.0	9565.5	9069.8	7044.1	5232.5	4190.1	3584.2	3213.0	3033.5	3017.1
40°	8278.2	8853.5	10432.5	9420.6	6895.1	4951.0	3927.0	3341.5	2962.1	2772.3	2735.6
42.5°	8945.3	9710.3	11436.1	9724.6	6650.3	4614.4	3631.2	3041.6	2647.9	2476.5	2431.7
45°	9959.2	10909.8	12603.0	10016.3	6285.2	4200.3	3259.9	2676.5	2303.1	2127.7	2093.0
47.5°	11224.0	12409.2	13867.8	10189.7	5730.3	3763.8	2839.7	2290.9	1917.6	1719.7	1703.4
50°	13000.8	14589.9	15224.4	10159.1	5110.1	3245.6	2366.4	1831.9	1519.8	1377.0	1354.5
52.5°	15165.2	17327.6	16691.1	9791.9	4451.2	2656.1	1844.1	1438.2	1205.6	1103.6	1085.3
55°	17880.4	20605.8	18235.4	9004.5	3618.9	2033.9	1448.4	1134.2	975.1	913.9	905.8
57.5°	21242.3	24851.0	19722.5	7678.5	2721.3	1552.4	1115.9	936.4	860.9	824.2	822.1
60°	25679.3	29357.4	21013.8	5966.9	1948.2	1187.3	922.1	836.4	777.2	752.8	750.7
62.5°	30954.7	33449.5	21817.6	4063.6	1464.7	946.6	811.9	758.9	724.2	709.9	707.9
65°	36376.9	36036.2	21434.1	2662.2	1111.8	803.8	728.3	699.7	669.1	654.8	654.8
67.5°	*39579.7*	*35489.5*	*18490.4*	*1848.2*	*881.3*	*705.8*	*656.9*	*630.4*	*579.4*	*567.1*	*567.1*
70°	35057.1	28757.6	12119.5	1352.5	714.0	618.1	571.2	534.5	514.1	501.8	499.8
72.5°	23186.4	18712.7	6444.3	938.4	595.7	526.3	483.5	469.2	444.7	432.5	430.4
75°	11540.2	9828.6	3302.7	677.3	495.7	422.3	403.9	397.8	377.4	361.1	357.0
77.5°	4810.3	4375.8	1540.2	491.6	377.4	340.7	324.4	324.4	301.9	283.6	275.4
80°	1813.5	1615.7	728.3	336.6	279.5	253.0	242.8	234.6	216.2	193.8	181.6
82.5°	2425.5	1585.1	357.0	210.1	183.6	163.2	148.9	142.8	132.6	122.4	114.2
85°	1570.8	1126.1	161.2	108.1	91.8	69.4	61.2	57.1	51.0	44.9	40.8
87.5°	320.3	377.4	49.0	20.4	12.2	6.1	6.1	2.0	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

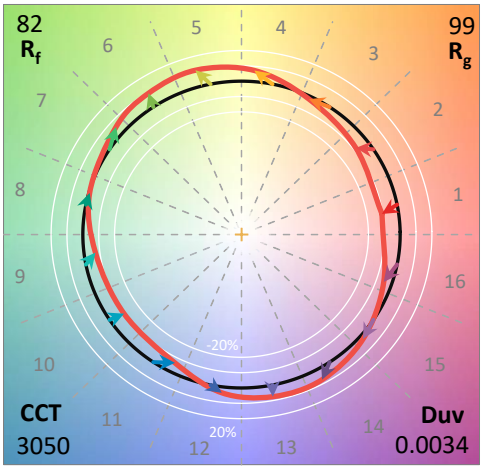
Test Information

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

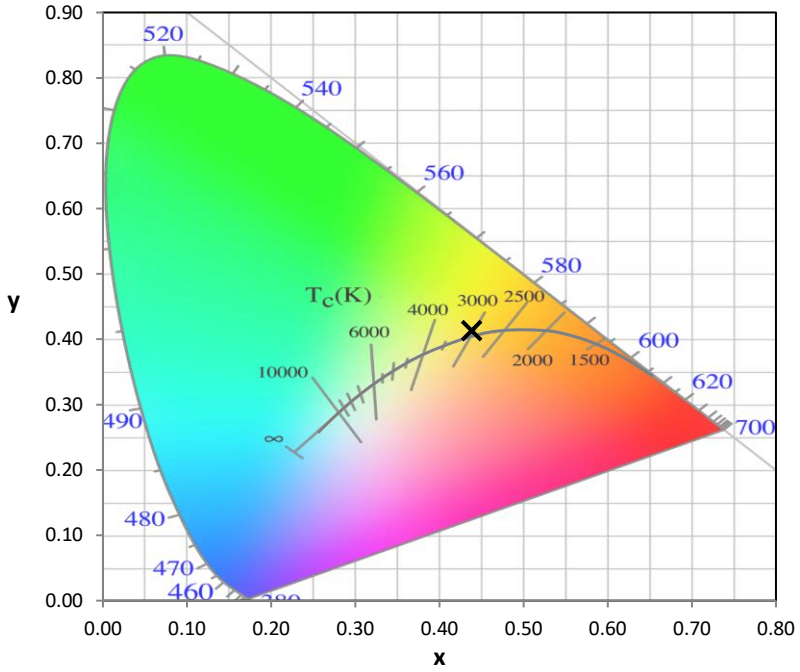
Stabilization Time:	20M
Operation Time:	1H 20M
Sphere Temperature (°C):	24.2

REPORT NUMBER: SP1-2408-195-9

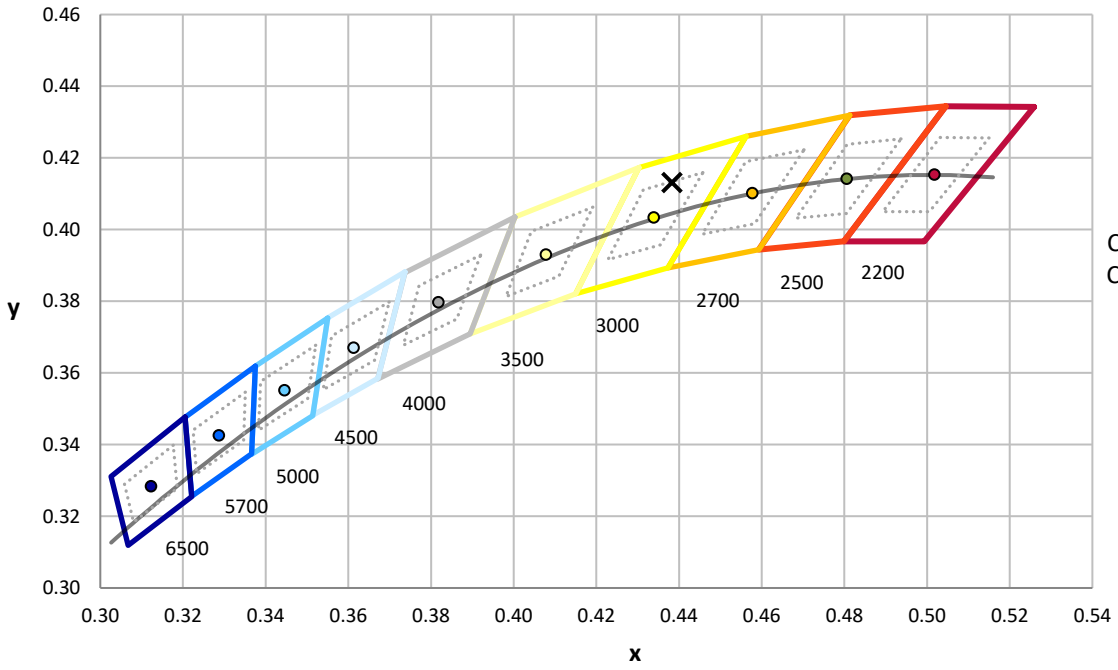
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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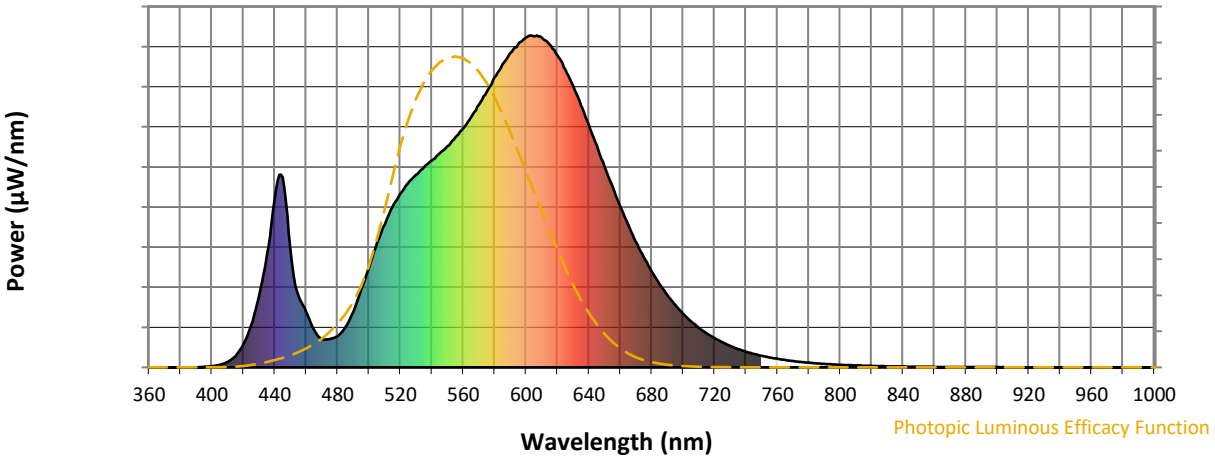
Photopic Flux vs. Wavelength



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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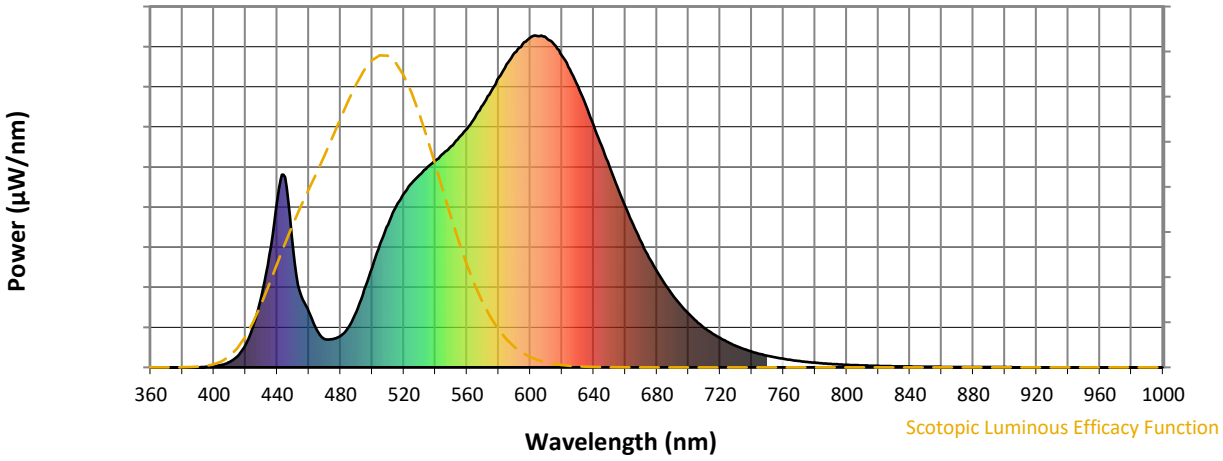
Scotopic Flux vs. Wavelength



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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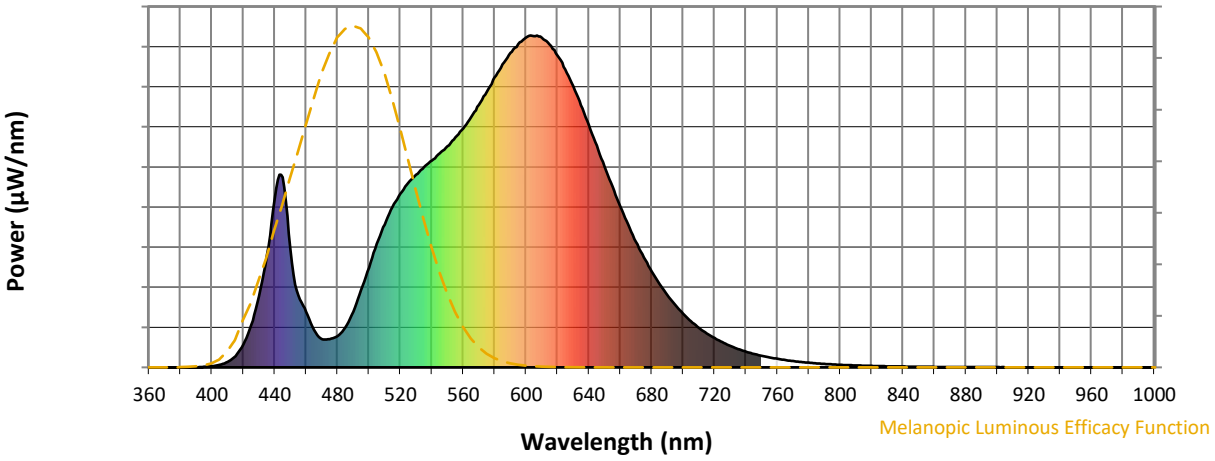
Melanopic Flux vs. Wavelength



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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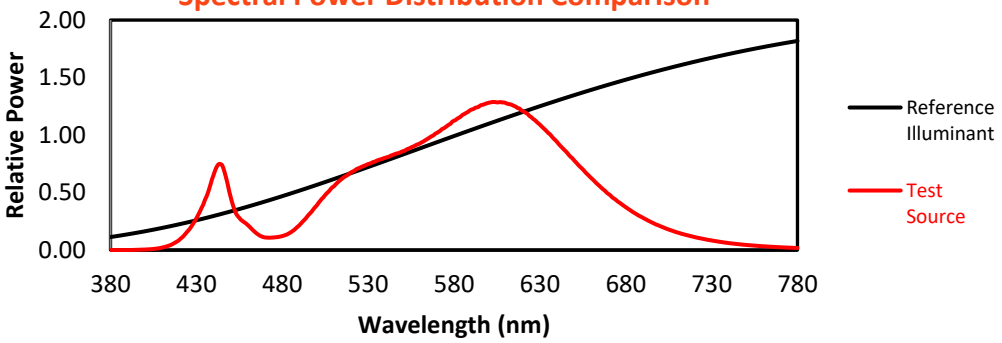
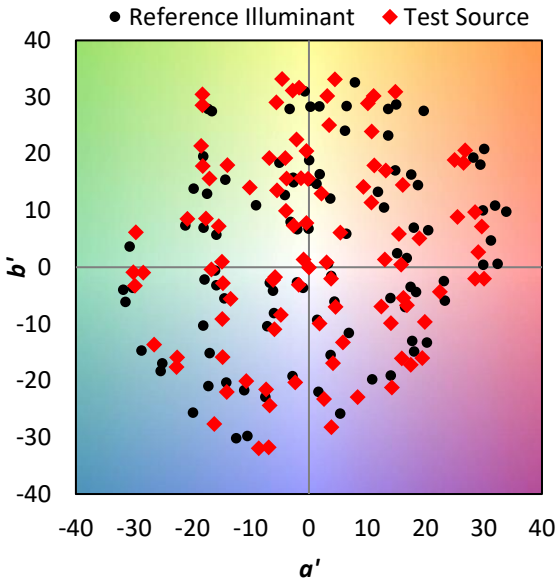
Summary

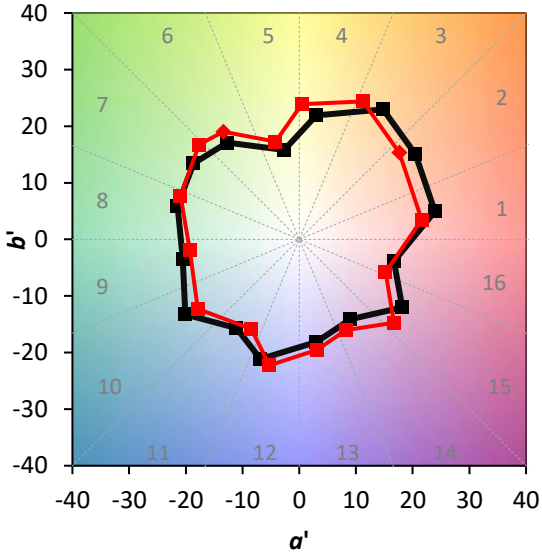
R_f = 81.5
R_g = 99.2
CIE R_a = 81.0
R_9 = 7.1

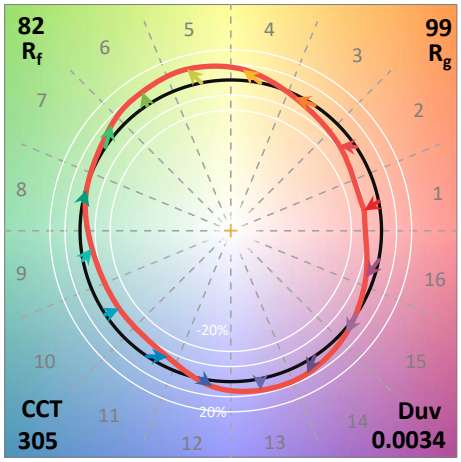
Spectral Power Distribution Comparison

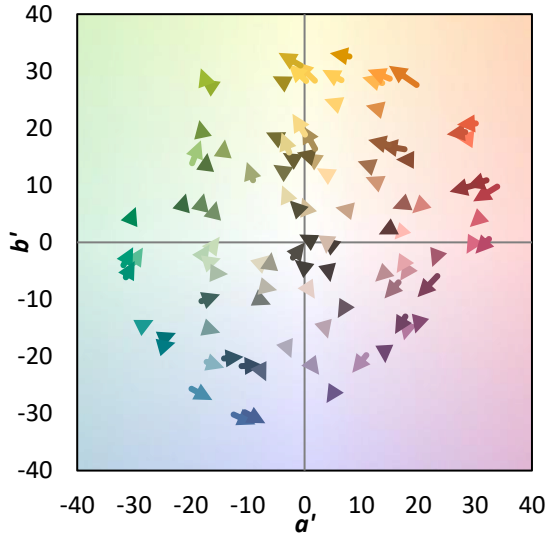


Color Vector Graphics









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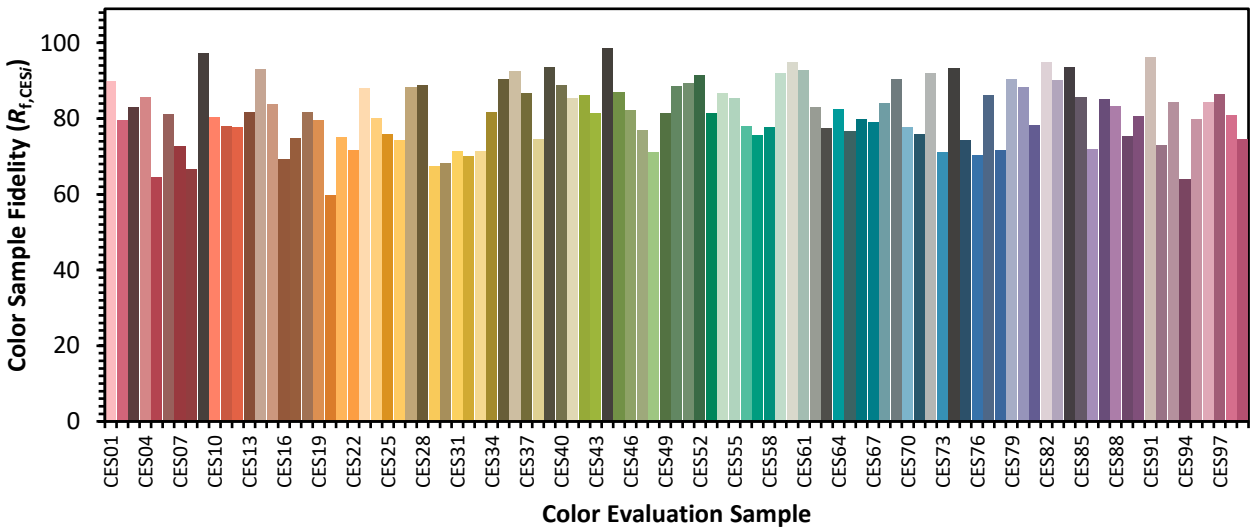
Individual Sample Fidelity Index ($R_{f,i}$)

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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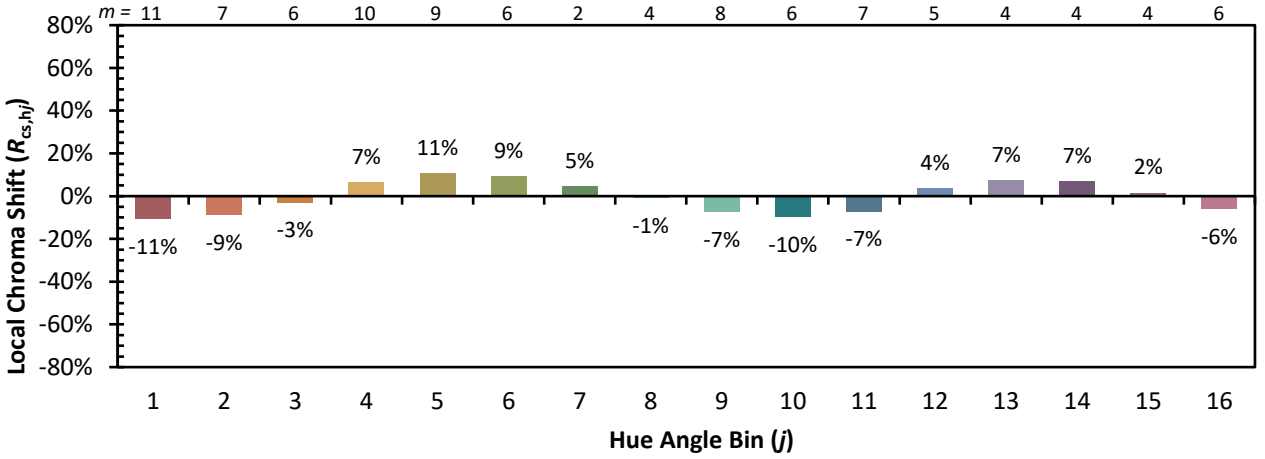
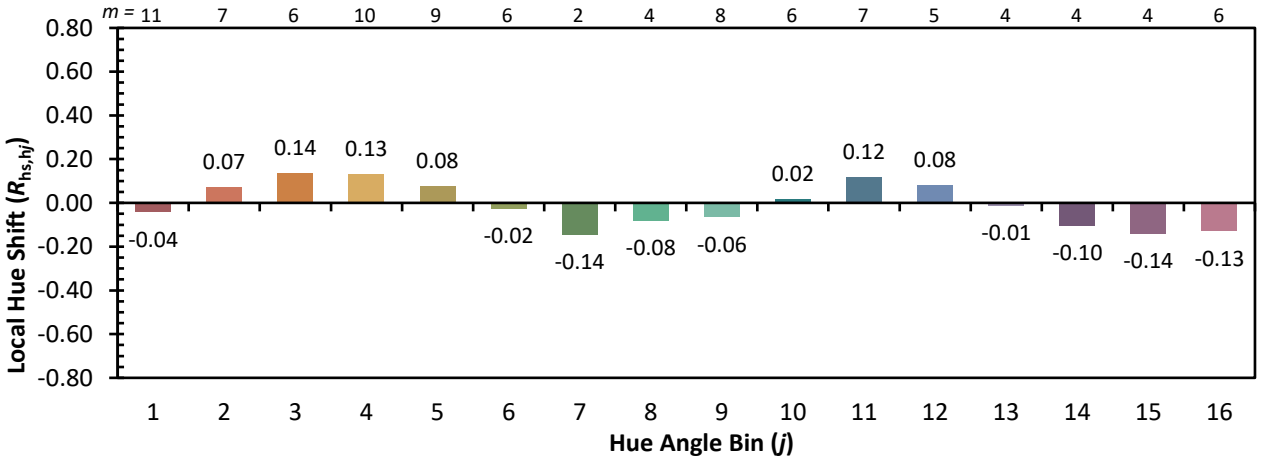
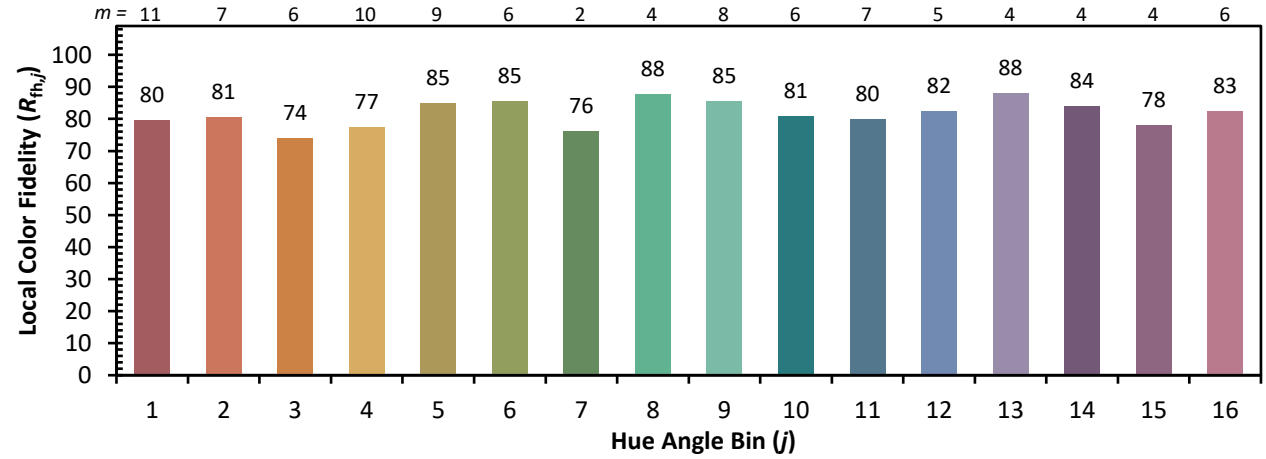
Color Rendition by Hue-Angle Bin







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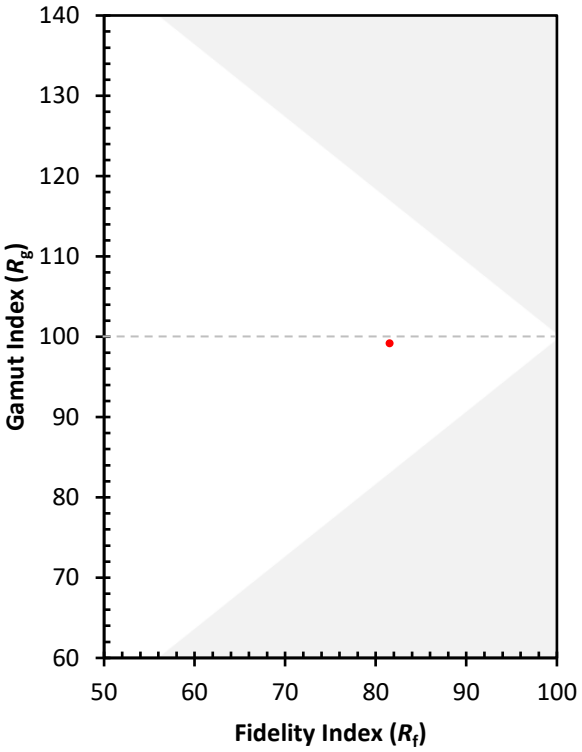
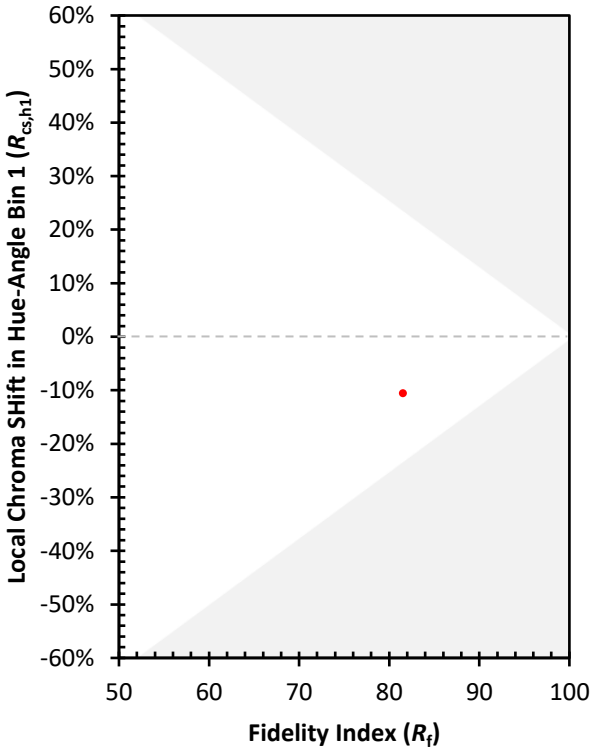
Measure Comparisons





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