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: P642926

Luminaire Tested: GWS-SA6D-830-U-SL2-W-HSS

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:	P642926
	TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-30)
Test Lab:	COOPER LIGHTING SOLUTIONS
Issue Date:	1/10/2023
Manufacturer:	COOPER LIGHTING SOLUTIONS
Product Line:	McGRAW-EDISON
Catalog Number:	GWS-SA6D-830-U-SL2-W-HSS
Description:	GALLEON WALL SLIM LUMINAIRE. (6) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II SPILL LIGHT ELIMINATOR OPTICS WITH HOUSE SIDE SHIELD
Light Source:	(96) 3000K CCT, 80 CRI LEDS
Ballast/Driver:	-

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	22557.8 lumens
Efficiency:	N/A
Efficacy:	91.8 lumens/watt
Luminous Opening:	Rectangular (W 2' x L: 1' x H: 0')
IES Classification:	Type II - Short
BUG Rating:	B2 - 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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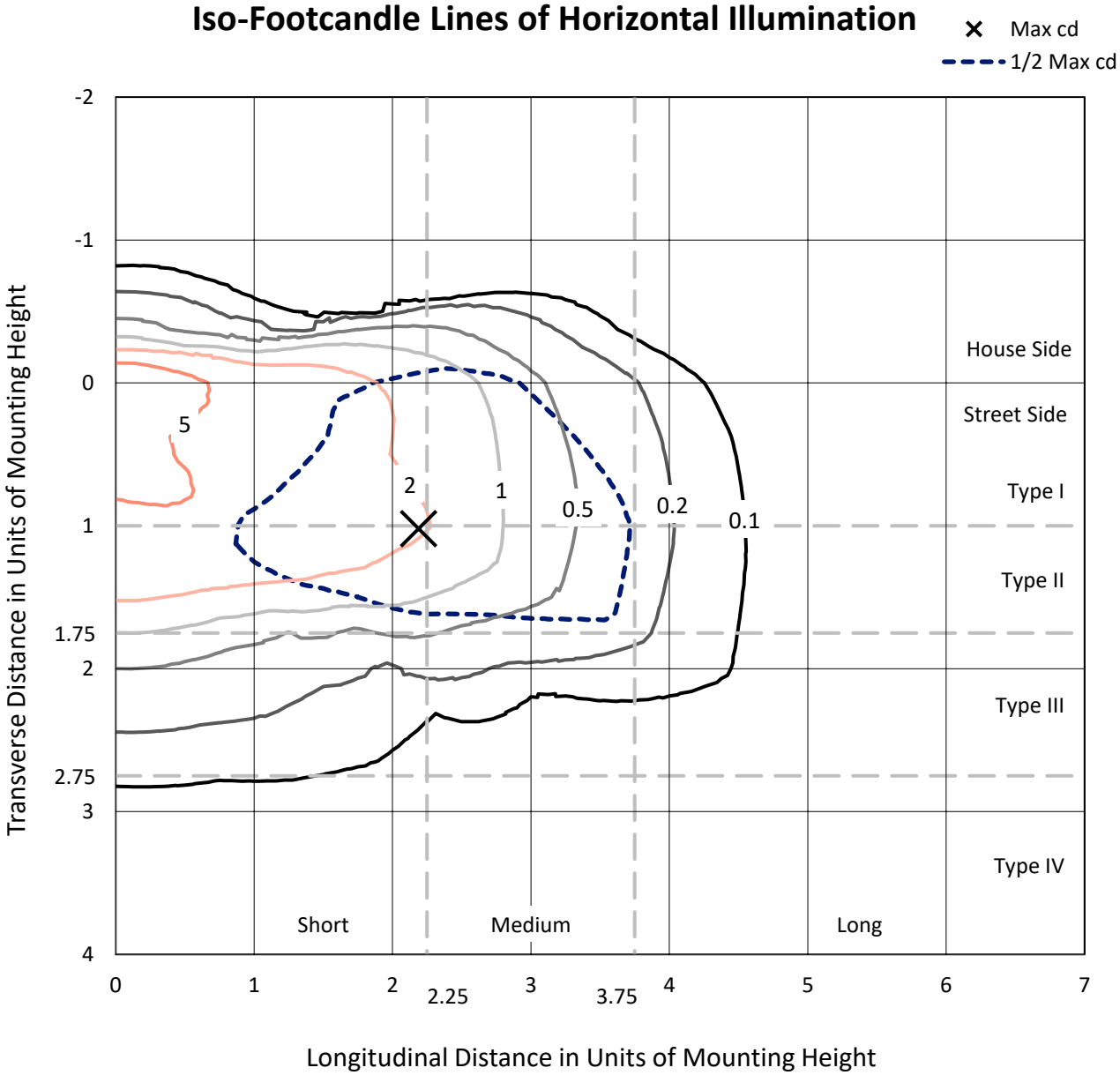
Scaled Data Report

REPORT NUMBER: P642926
CATALOG NUMBER: GWS-SA6D-830-U-SL2-W-HSS

Iso-Footcandle Lines of Horizontal Illumination



Based on 25 foot mounting height. Maximum calculated value = 8.8 fc
Type II - Short - N/A

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REPORT NUMBER: P642926
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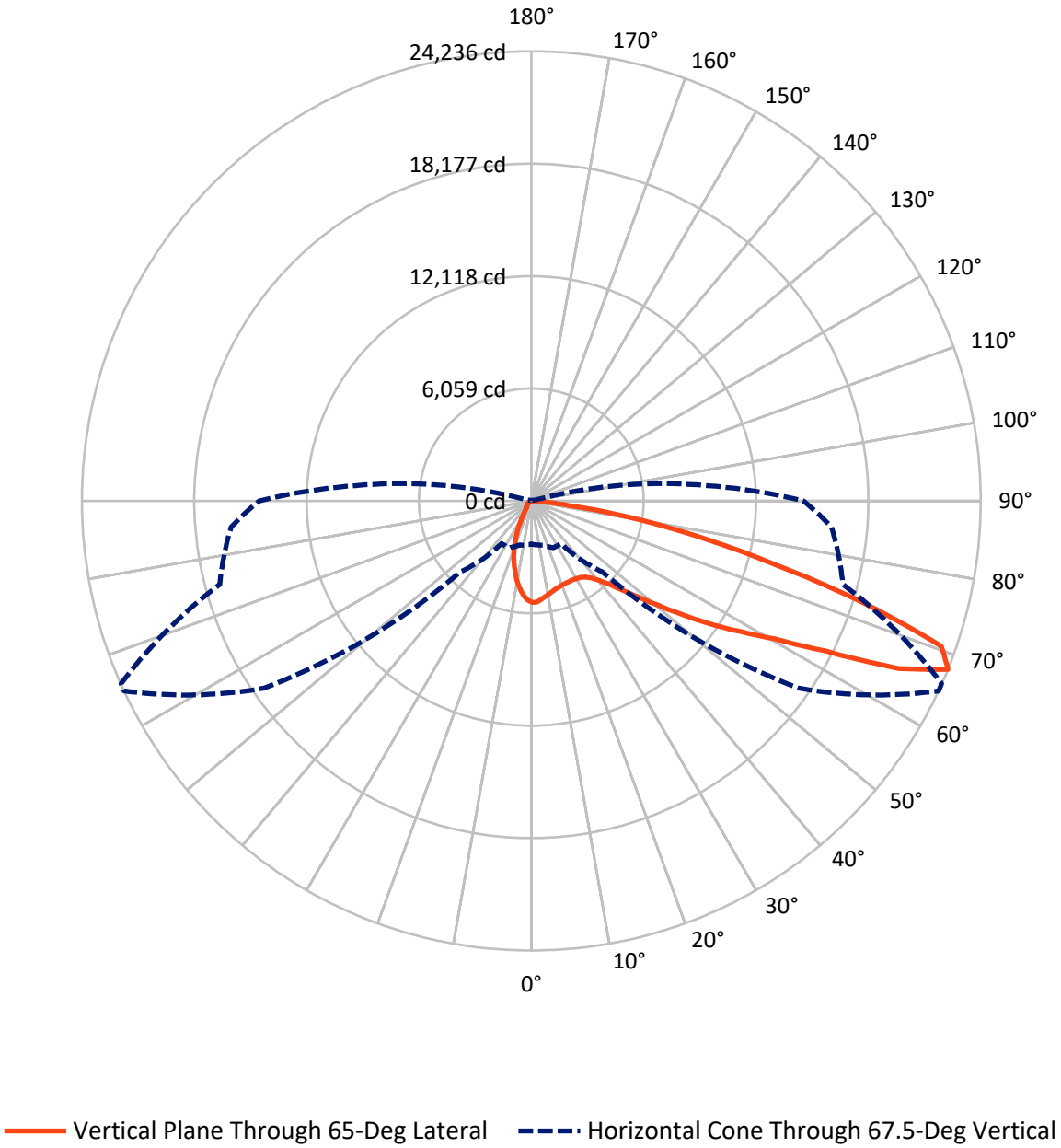
Luminous Intensity Polar Plot



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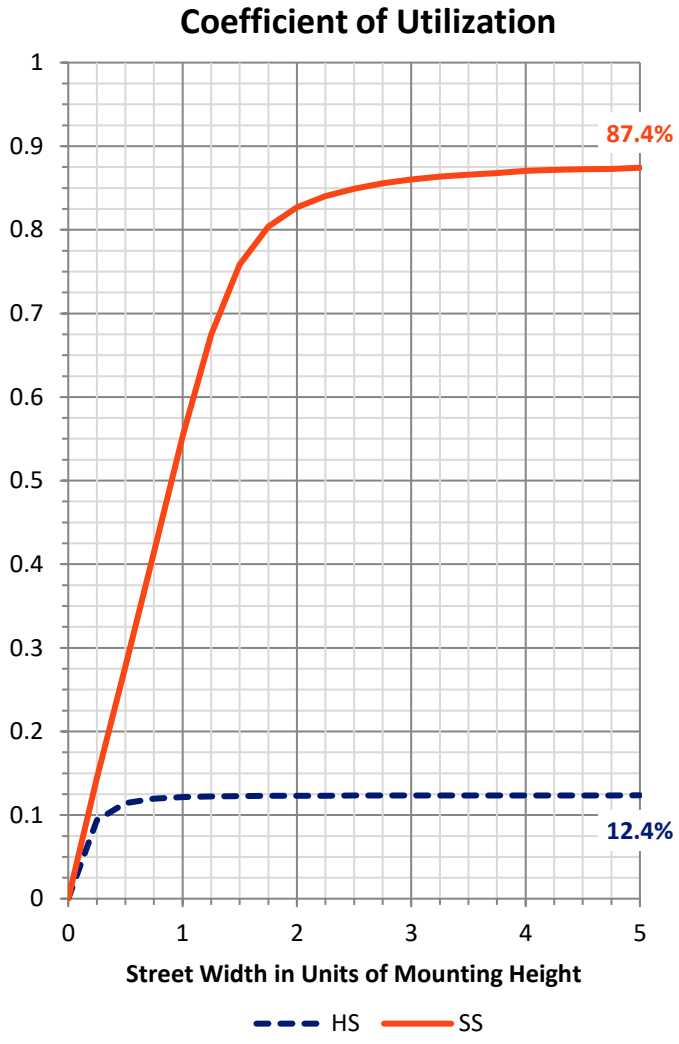
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2816.8	0.0	2816.8
	% Fixture	12.5	0.0	12.5
Street Side	Lumens	19741.0	0.0	19741.0
	% Fixture	87.5	0.0	87.5
Total	Lumens	22557.8	0.0	22557.8
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	454.4	2.0
10°-20°	1021.4	4.5
20°-30°	1459.6	6.5
30°-40°	2123.5	9.4
40°-50°	3325.8	14.7
50°-60°	5188.4	23.0
60°-70°	5699.1	25.3
70°-80°	3033.0	13.4
80°-90°	252.5	1.1
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	22557.8	100.0
0°-180°	22557.8	100.0



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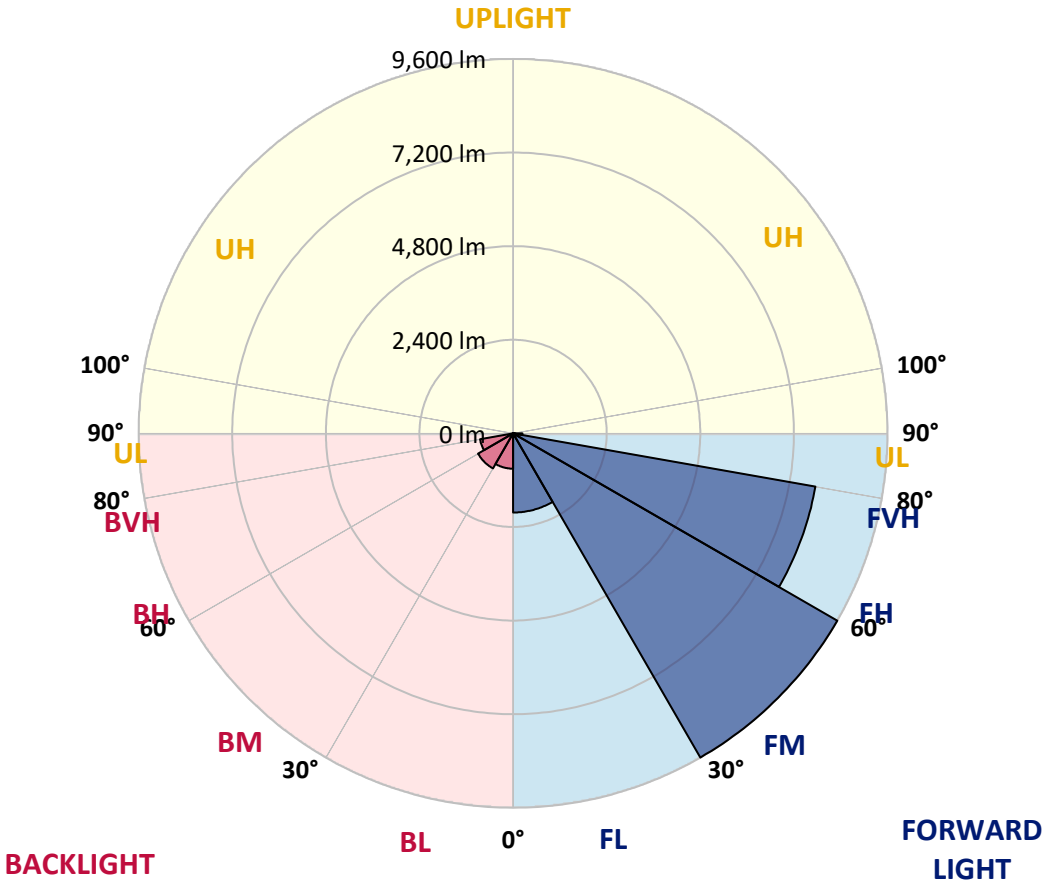
REPORT NUMBER: P642926
CATALOG NUMBER: GWS-SA6D-830-U-SL2-W-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	2030.1	9.0			
FM	(30°-60°)	9600.1	42.6			
FH	(60°-80°)	7871.8	34.9			G4/12000
FVH	(80°-90°)	239.0	1.1			G3/500
BL	(0°-30°)	905.4	4.0	B2/1000		
BM	(30°-60°)	1037.6	4.6	B2/2500		
BH	(60°-80°)	860.4	3.8	B2/1000		G2/1000
BVH	(80°-90°)	13.5	0.1			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G4
Type II Short



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Scaled Data Report

REPORT NUMBER: P642926
CATALOG NUMBER: GWS-SA6D-830-U-SL2-W-HSS

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	66°	75°	85°
0°	5471.0	5471.0	5471.0	5471.0	5471.0	5471.0	5471.0	5471.0	5471.0	5471.0	5471.0
2.5°	5281.3	5297.6	5275.1	5330.2	5340.4	5401.6	5436.3	5460.8	5458.7	5489.3	5489.3
5°	4971.2	4987.5	4975.3	5034.4	5081.4	5177.2	5256.8	5348.6	5352.7	5446.5	5481.2
7.5°	4708.1	4710.1	4710.1	4783.5	4844.7	4963.0	5081.4	5222.1	5238.4	5383.3	5475.1
10°	4491.8	4498.0	4500.0	4583.6	4650.9	4793.7	4944.7	5114.0	5132.4	5328.2	5471.0
12.5°	4342.9	4345.0	4353.1	4440.8	4514.3	4663.2	4816.2	5010.0	5034.4	5264.9	5452.6
15°	4271.5	4267.4	4271.5	4345.0	4418.4	4561.2	4718.3	4926.3	4952.8	5211.9	5454.7
17.5°	4267.4	4261.3	4257.2	4312.3	4359.2	4485.7	4644.8	4871.3	4899.8	5187.4	5477.1
20°	4326.6	4322.5	4302.1	4326.6	4336.8	4440.8	4597.9	4828.4	4857.0	5183.4	5526.1
22.5°	4481.6	4471.4	4440.8	4418.4	4363.3	4424.5	4565.3	4797.8	4830.5	5193.6	5589.3
25°	4712.1	4708.1	4669.3	4614.2	4473.5	4449.0	4567.3	4797.8	4828.4	5205.8	5656.6
27.5°	5058.9	5034.4	4985.5	4889.6	4687.7	4544.9	4608.1	4810.1	4840.7	5222.1	5711.7
30°	5411.8	5409.8	5393.5	5295.5	4995.7	4728.5	4693.8	4842.7	4871.3	5236.4	5762.7
32.5°	5777.0	5783.1	5823.9	5748.4	5420.0	5001.8	4848.8	4910.0	4930.4	5264.9	5807.6
35°	6123.7	6136.0	6244.1	6270.6	5936.1	5415.9	5101.8	5044.6	5046.7	5328.2	5866.7
37.5°	6456.2	6497.0	6670.4	6798.9	6578.6	5917.7	5466.9	5273.1	5256.8	5454.7	5956.5
40°	6833.6	6911.1	7129.4	7347.7	7278.3	6580.7	5964.6	5624.0	5589.3	5687.2	6117.6
42.5°	7251.8	7335.4	7625.1	7931.1	7963.7	7382.4	6586.8	6136.0	6076.8	6078.9	6419.5
45°	7700.6	7812.8	8149.3	8590.0	8787.8	8275.8	7353.8	6827.5	6768.3	6680.6	6905.0
47.5°	8290.1	8388.0	8712.4	9220.3	9599.7	9234.6	8359.5	7716.9	7608.8	7480.3	7659.8
50°	8798.0	8883.7	9163.2	9799.6	10589.1	10470.7	9499.8	8828.6	8724.6	8506.3	8655.2
52.5°	8910.2	8977.5	9234.6	9950.6	11345.9	12031.3	10897.1	10172.9	10099.5	9695.6	9752.7
55°	8406.4	8508.4	8738.9	9534.4	11543.7	13557.1	12710.5	11688.6	11535.6	10891.0	10993.0
57.5°	7133.5	7315.0	7531.3	8565.5	11007.2	14369.0	15244.1	13293.9	13155.2	12041.5	12043.5
60°	5228.2	5375.1	5519.9	6466.4	9734.3	14313.9	17543.0	15097.2	14844.3	12981.8	12947.2
62.5°	3802.3	3877.8	3875.8	4212.4	6684.7	13371.5	18750.6	17814.3	17224.8	13987.5	13789.6
65°	2990.5	2988.4	3076.1	3186.3	3733.0	10321.8	18899.6	21781.9	21145.5	15335.9	14923.8
67.5°	2327.5	2372.4	2460.1	2784.4	2804.8	5401.6	17589.9	24235.9	24223.7	17394.1	16251.8
70°	1795.1	1856.3	1980.7	2454.0	2590.7	3023.1	13161.4	23458.7	23656.6	18314.1	15311.4
72.5°	1152.5	1148.5	1332.0	1982.8	2488.7	2519.3	7278.3	18634.4	18858.8	16588.4	12380.1
75°	644.6	648.7	752.7	1213.7	2319.4	2370.3	3604.5	13287.8	13465.3	12932.9	9512.0
77.5°	252.9	261.1	352.9	638.5	1529.9	2117.4	2141.9	9061.2	9087.7	8014.7	5834.1
80°	102.0	108.1	179.5	395.7	932.2	1425.9	1529.9	5338.4	5230.3	3102.7	1697.2
82.5°	30.6	32.6	71.4	224.4	487.5	1013.8	1032.2	2048.0	1933.8	667.0	432.5
85°	2.0	2.0	16.3	69.4	173.4	255.0	687.4	667.0	591.6	167.3	191.7
87.5°	0.0	0.0	2.0	2.0	4.1	8.2	73.4	122.4	124.4	30.6	85.7
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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Scaled Data Report

REPORT NUMBER: P642926
CATALOG NUMBER: GWS-SA6D-830-U-SL2-W-HSS

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	5471.0	5471.0	5471.0	5471.0	5471.0	5471.0	5471.0	5471.0	5471.0	5471.0	5471.0
2.5°	5489.3	5415.9	5409.8	5352.7	5295.5	5224.2	5140.5	5079.3	5036.5	4961.0	4946.7
5°	5481.2	5383.3	5291.5	5128.3	4946.7	4750.9	4579.5	4420.4	4320.5	4253.2	4224.6
7.5°	5464.9	5340.4	5128.3	4820.3	4516.3	4173.6	3906.4	3661.6	3494.3	3396.4	3353.6
10°	5452.6	5285.3	4940.6	4473.5	4002.3	3529.0	3123.1	2760.0	2558.0	2398.9	2372.4
12.5°	5428.1	5205.8	4699.9	4067.5	3459.6	2831.4	2313.2	1868.5	1560.5	1421.8	1372.8
15°	5403.7	5122.2	4459.2	3639.2	2868.1	2092.9	1464.6	1036.3	824.1	758.8	754.8
17.5°	5399.6	5046.7	4198.1	3233.2	2248.0	1370.8	834.3	671.1	626.2	609.9	609.9
20°	5411.8	4983.4	3941.1	2766.1	1638.0	834.3	622.2	581.4	554.8	540.6	540.6
22.5°	5424.1	4918.2	3694.2	2294.9	1087.3	609.9	548.7	514.1	483.5	467.1	459.0
25°	5432.2	4846.8	3420.9	1821.6	709.9	530.4	481.4	436.5	399.8	379.4	379.4
27.5°	5430.2	4761.1	3145.5	1358.6	550.8	471.2	412.1	365.1	328.4	306.0	308.0
30°	5413.9	4667.3	2859.9	948.5	481.4	412.1	352.9	303.9	267.2	248.9	246.8
32.5°	5401.6	4567.3	2529.5	667.0	432.5	361.1	299.9	252.9	222.3	208.1	206.0
35°	5387.3	4469.4	2215.3	507.9	389.6	312.1	252.9	214.2	189.7	177.5	177.5
37.5°	5391.4	4367.4	1874.7	436.5	346.8	271.3	216.2	183.6	163.2	151.0	148.9
40°	5454.7	4306.2	1540.1	395.7	308.0	234.6	187.7	159.1	138.7	126.5	124.4
42.5°	5611.7	4308.2	1219.9	365.1	273.3	199.9	163.2	136.7	118.3	104.0	102.0
45°	5925.9	4393.9	936.3	332.5	236.6	173.4	140.8	116.3	97.9	85.7	83.6
47.5°	6439.9	4648.9	709.9	303.9	206.0	151.0	120.4	97.9	81.6	71.4	69.4
50°	7257.9	5109.9	558.9	269.3	173.4	130.6	102.0	81.6	67.3	57.1	55.1
52.5°	8241.1	5801.4	479.4	238.7	148.9	114.2	87.7	67.3	55.1	46.9	44.9
55°	9371.2	6627.6	442.7	208.1	126.5	97.9	71.4	55.1	44.9	38.8	34.7
57.5°	10407.5	7372.2	440.6	177.5	108.1	83.6	59.2	46.9	38.8	30.6	28.6
60°	11417.2	7994.3	414.1	146.9	93.8	69.4	51.0	38.8	32.6	26.5	24.5
62.5°	12333.2	8500.2	346.8	118.3	79.6	57.1	42.8	34.7	28.6	22.4	22.4
65°	13483.7	9144.8	265.2	95.9	65.3	46.9	36.7	30.6	26.5	20.4	20.4
67.5°	*14672.9*	*9485.5*	*189.7*	*79.6*	*53.0*	*40.8*	*32.6*	*28.6*	*22.4*	*18.4*	*18.4*
70°	13289.9	8014.7	136.7	65.3	44.9	34.7	28.6	26.5	22.4	18.4	16.3
72.5°	10378.9	5779.0	102.0	51.0	38.8	32.6	26.5	24.5	20.4	16.3	16.3
75°	7696.5	3369.9	77.5	40.8	30.6	26.5	26.5	24.5	20.4	16.3	14.3
77.5°	4183.8	1175.0	59.2	32.6	24.5	20.4	22.4	22.4	18.4	14.3	12.2
80°	1107.7	322.3	40.8	24.5	20.4	16.3	16.3	20.4	16.3	12.2	12.2
82.5°	322.3	93.8	28.6	20.4	16.3	14.3	14.3	14.3	12.2	10.2	8.2
85°	157.1	34.7	20.4	16.3	14.3	12.2	10.2	10.2	8.2	6.1	6.1
87.5°	69.4	14.3	16.3	14.3	14.3	10.2	8.2	6.1	6.1	4.1	2.0
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

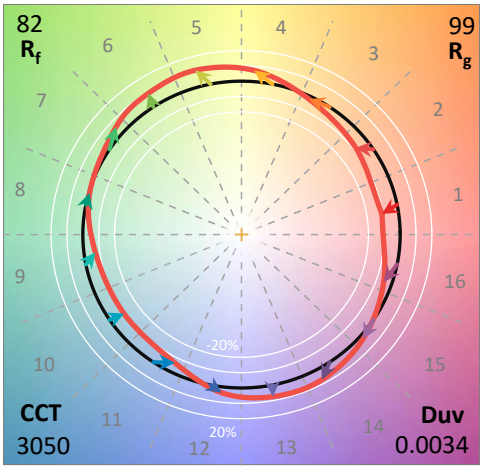
Test Information

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

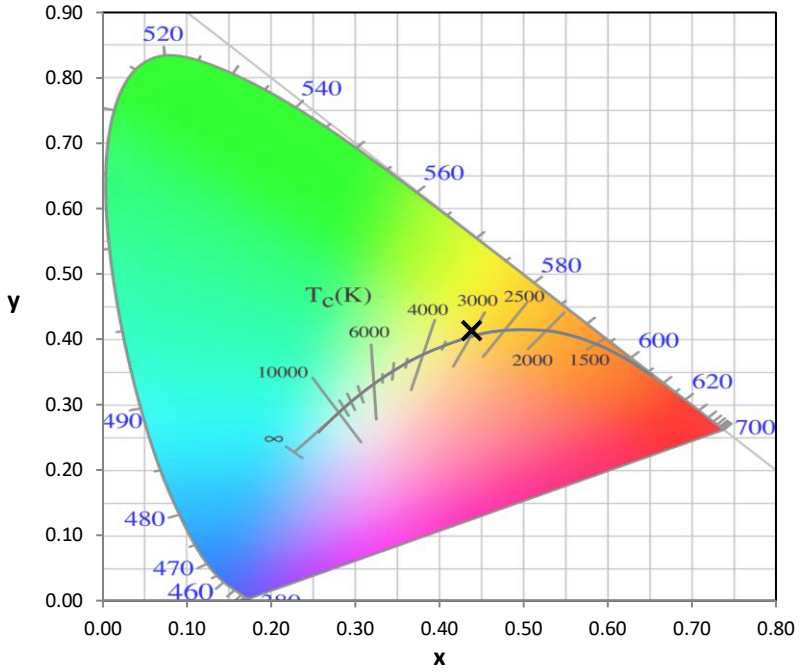
Stabilization Time:	20M
Operation Time:	1H 20M
Sphere Temperature (°C):	24.2

REPORT NUMBER: SP1-2408-195-9

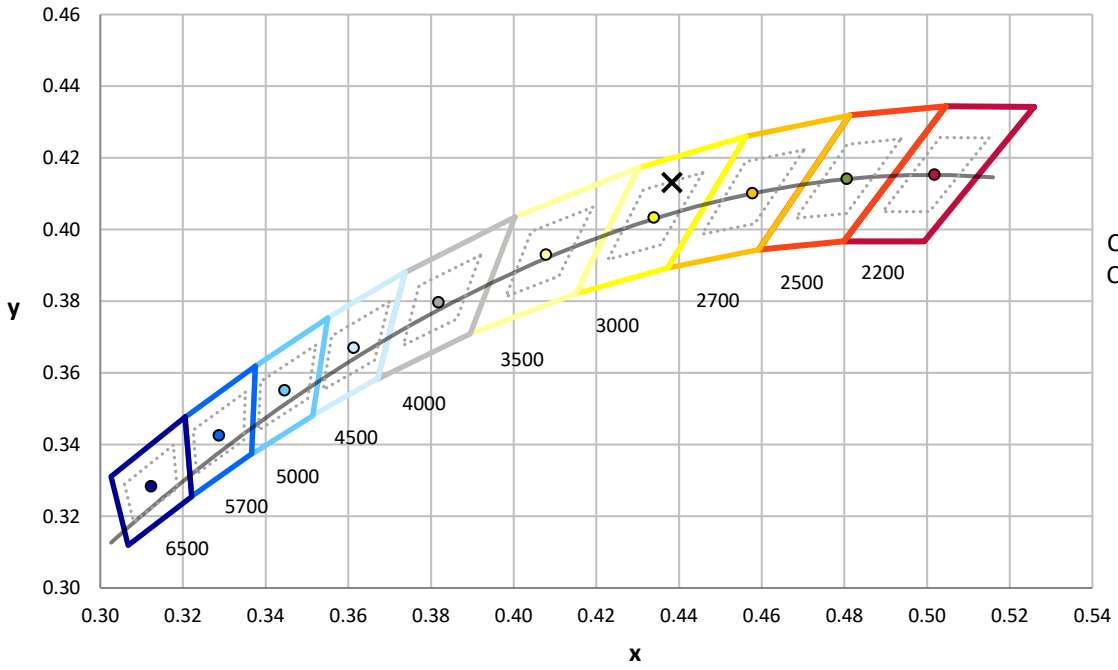
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

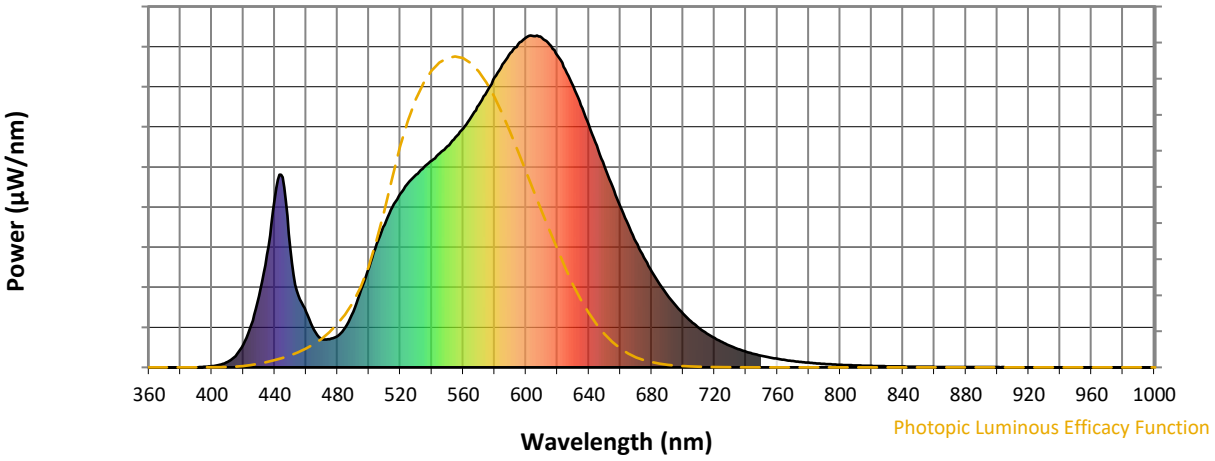


CCT = 3050K
CIE x = 0.4383
CIE y = 0.4131
Duv = 0.0034

Point lies inside the ANSI 3000K 4-step quadrangle

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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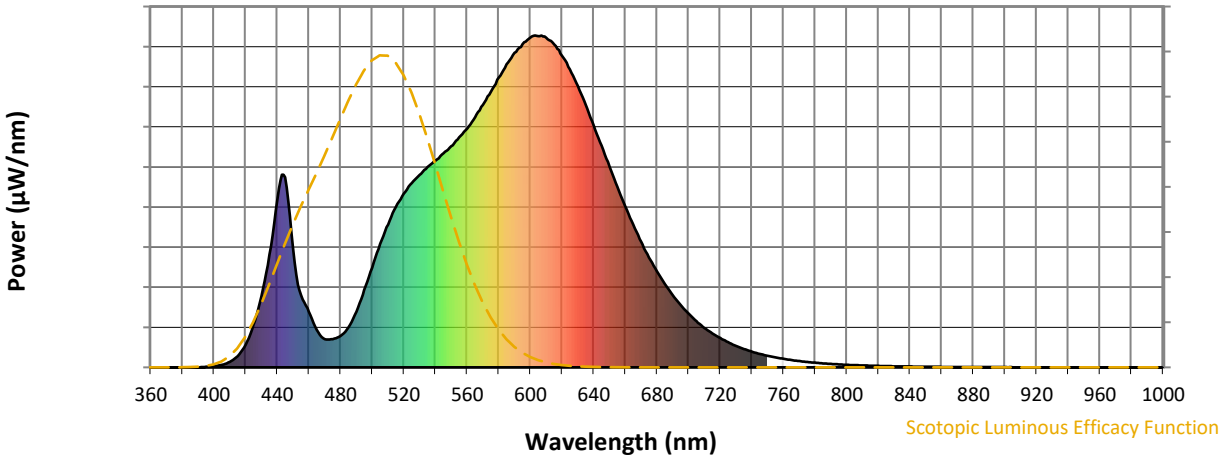
Scotopic Flux vs. Wavelength



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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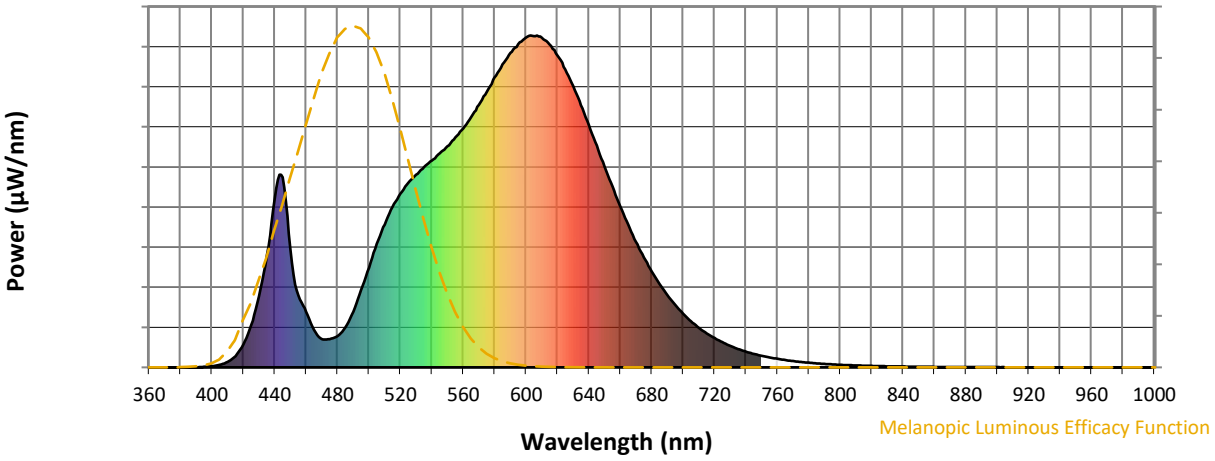
Melanopic Flux vs. Wavelength



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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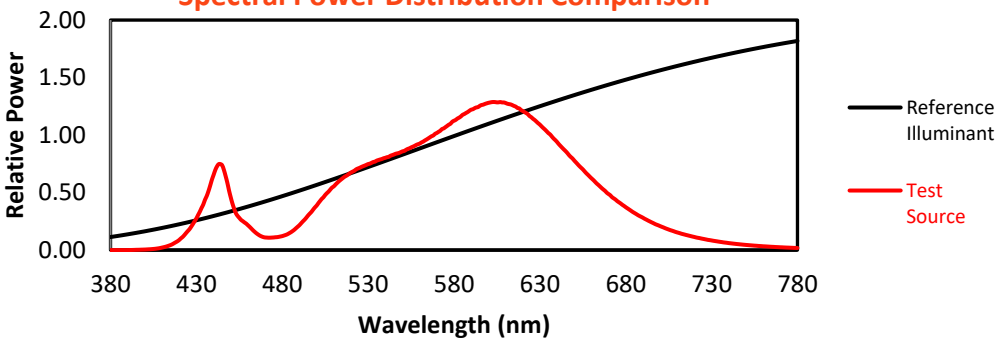
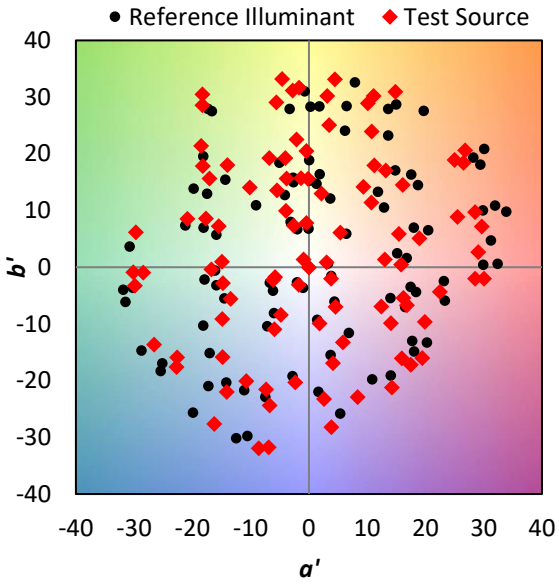
Summary

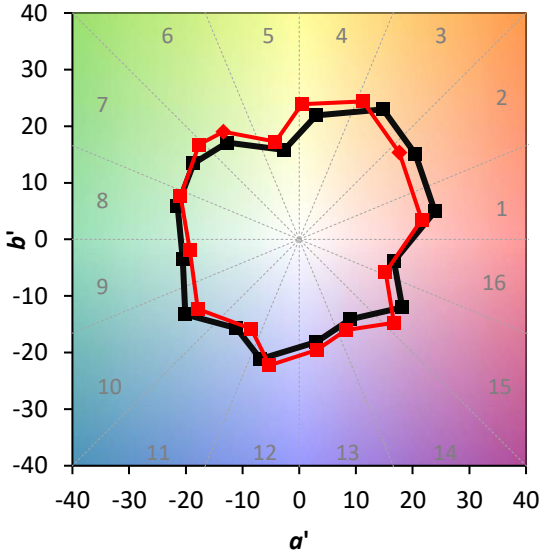
R_f = 81.5
R_g = 99.2
CIE R_a = 81.0
R_9 = 7.1

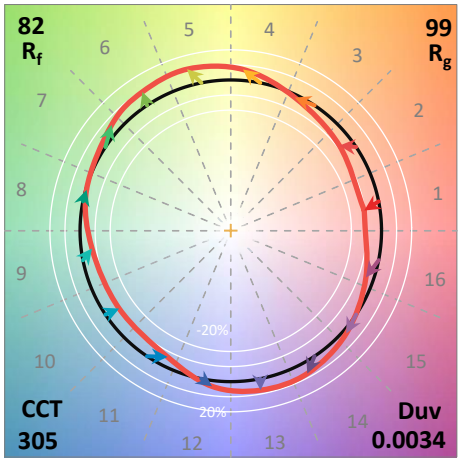
Spectral Power Distribution Comparison

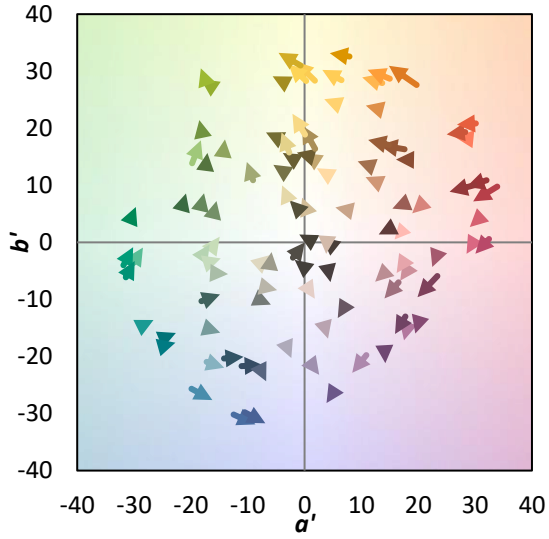


Color Vector Graphics









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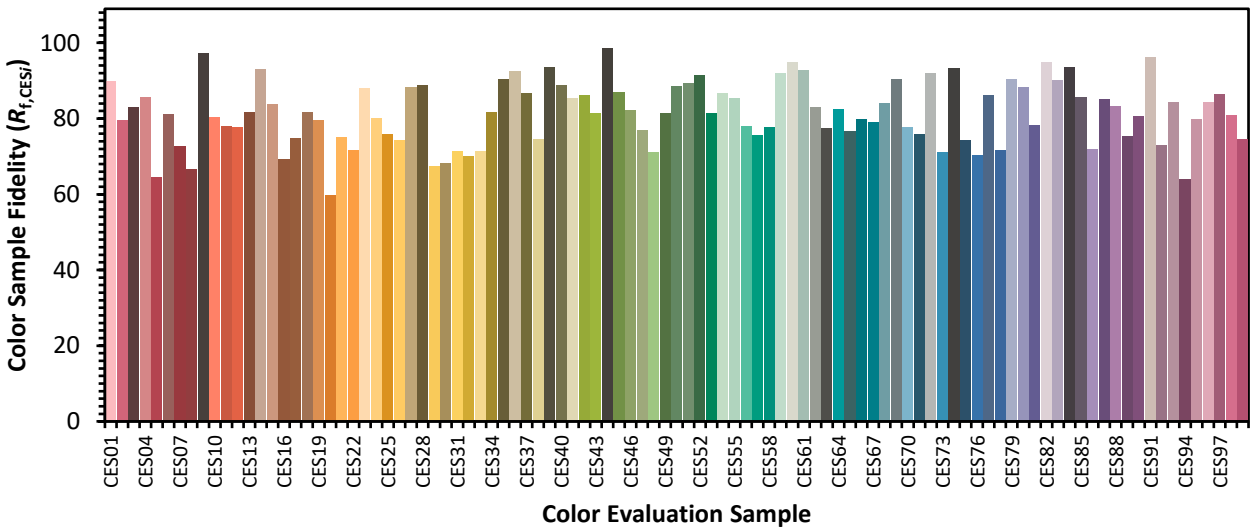
Individual Sample Fidelity Index ($R_{f,i}$)

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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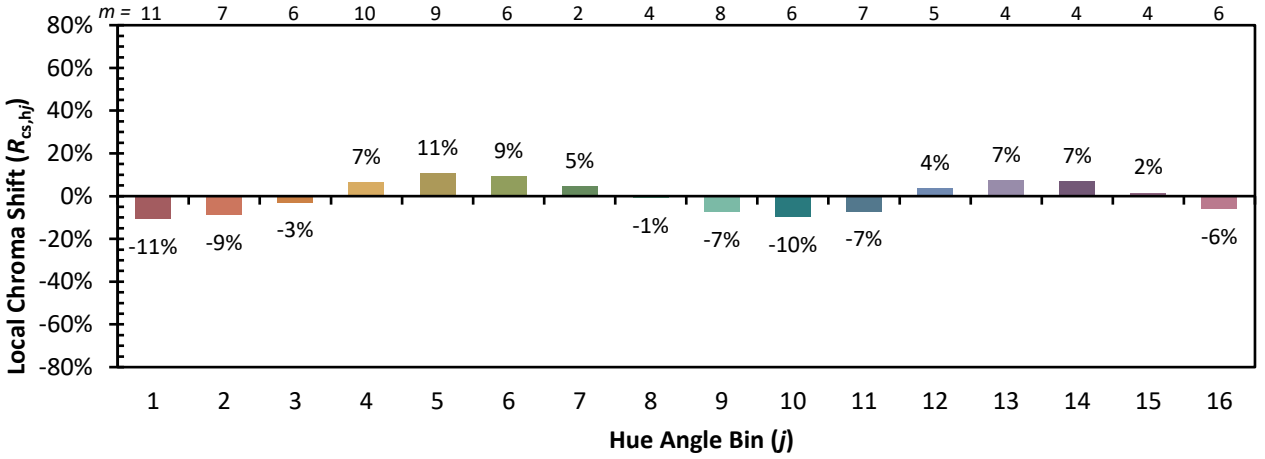
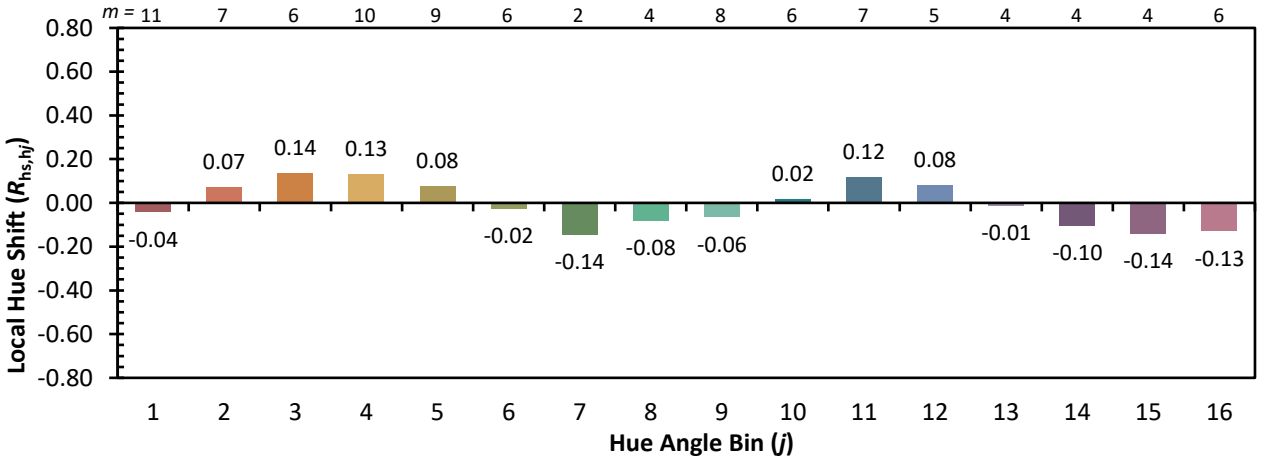
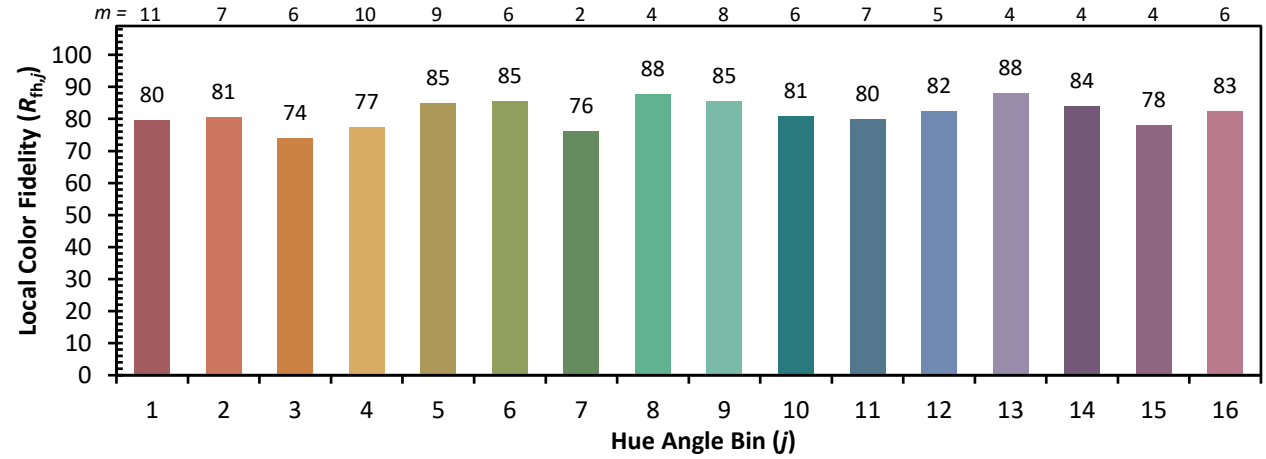
Color Rendition by Hue-Angle Bin







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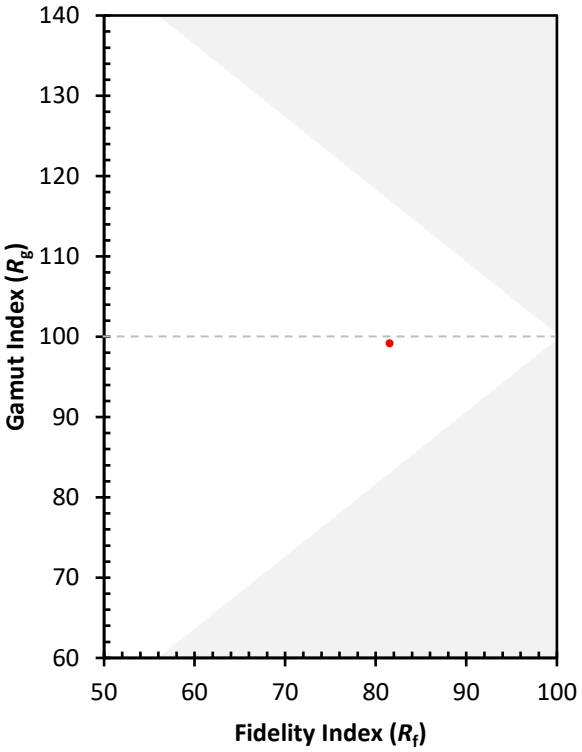
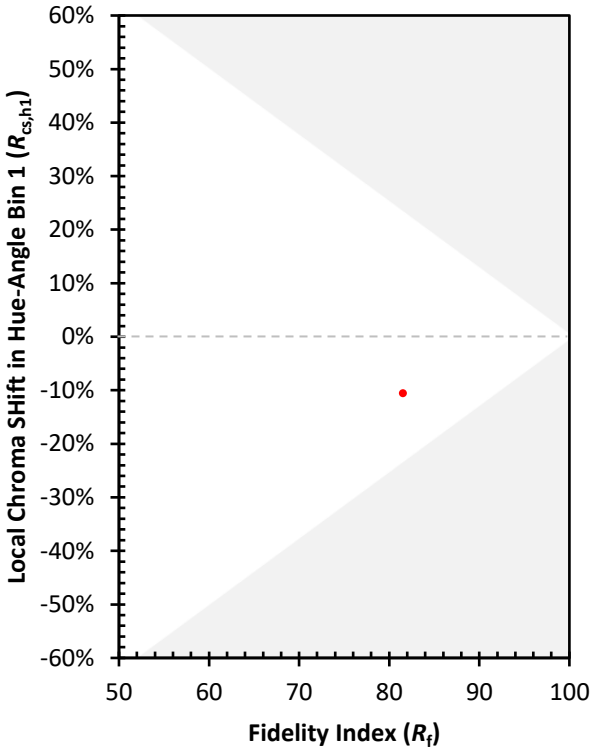
Measure Comparisons





(END OF REPORT)