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: P643414

Luminaire Tested: GWS-SA6E-830-U-AFL-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:	P643414
	TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-48)
Test Lab:	COOPER LIGHTING SOLUTIONS
Issue Date:	1/10/2023
Manufacturer:	COOPER LIGHTING SOLUTIONS
Product Line:	McGRAW-EDISON
Catalog Number:	GWS-SA6E-830-U-AFL-W-HSS
Description:	GALLEON WALL SLIM LUMINAIRE. (6) LIGHTSQUARES WITH 16 LEDS EACH AND AUTOMOTIVE FRONTLINE OPTICS WITH HOUSE SIDE SHIELD
Light Source:	(96) 3000K CCT, 80 CRI LEDS
Ballast/Driver:	-

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	29820.8 lumens
Efficiency:	N/A
Efficacy:	92.1 lumens/watt
Luminous Opening:	Rectangular (W 2' x L: 1' x H: 0')
IES Classification:	Type II - Short
BUG Rating:	B2 - U0 - G2

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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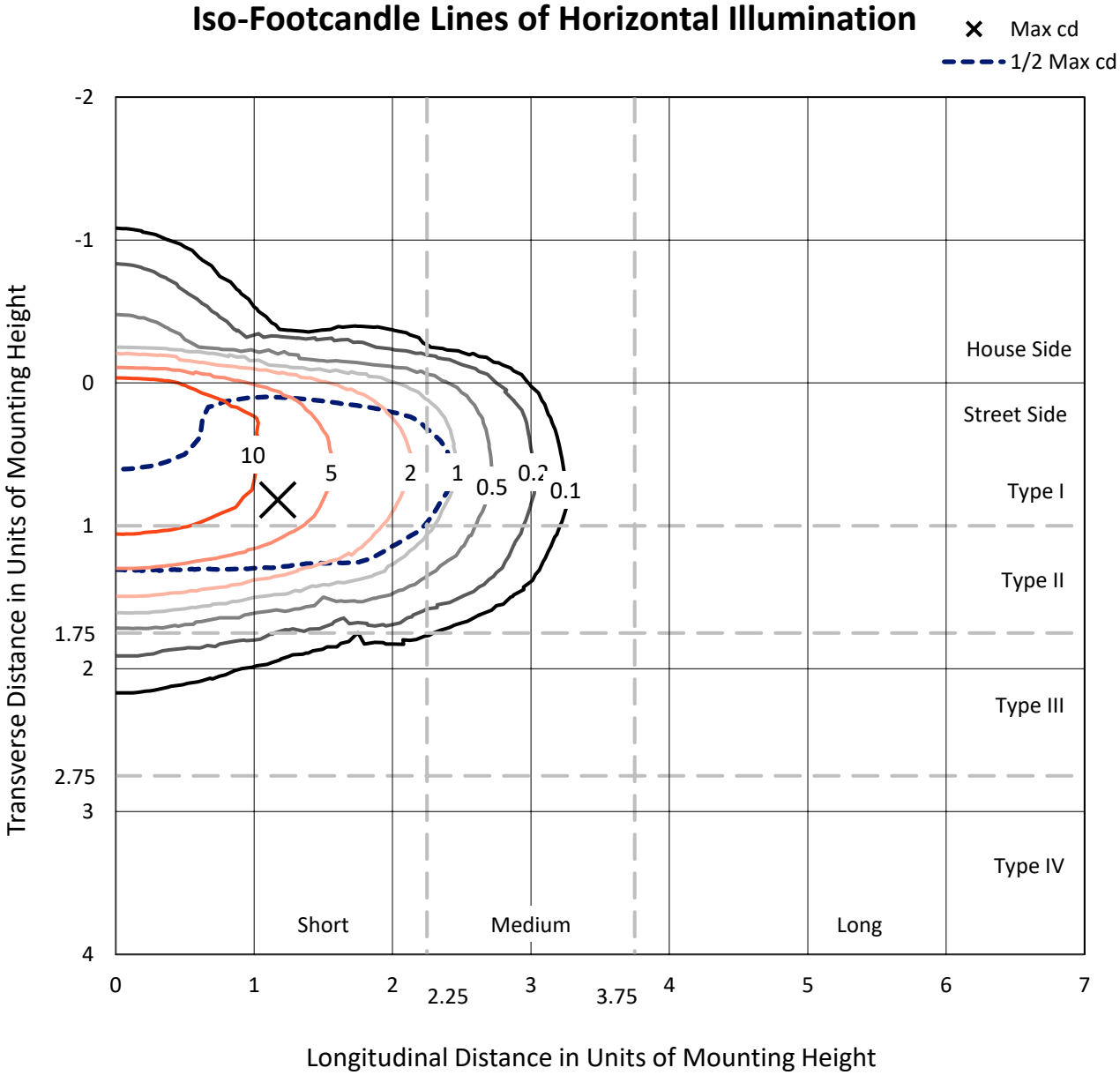
Scaled Data Report

REPORT NUMBER: P643414
CATALOG NUMBER: GWS-SA6E-830-U-AFL-W-HSS

Iso-Footcandle Lines of Horizontal Illumination



Based on 25 foot mounting height. Maximum calculated value = 16.2 fc
Type II - Short - N/A

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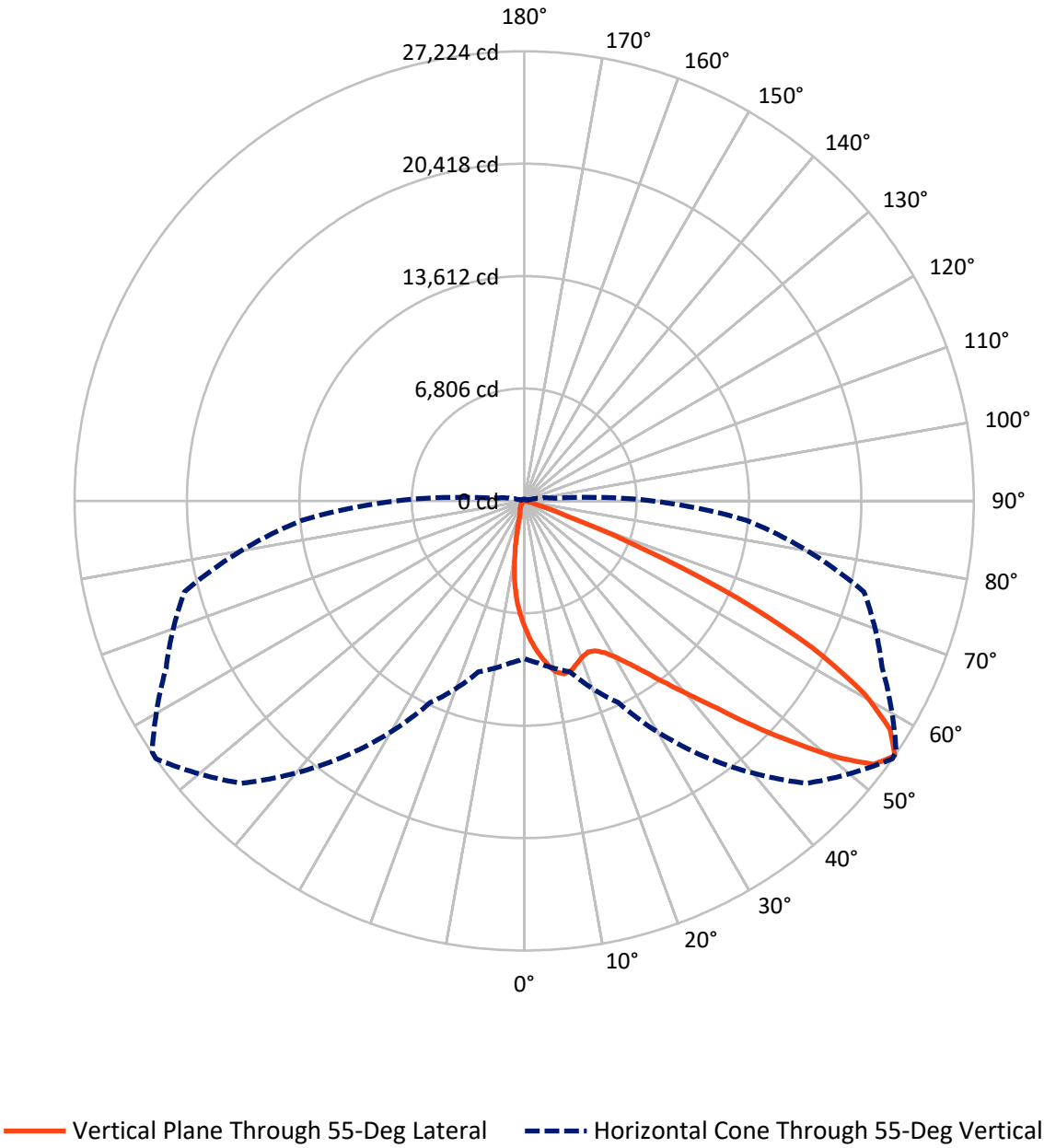
Luminous Intensity Polar Plot



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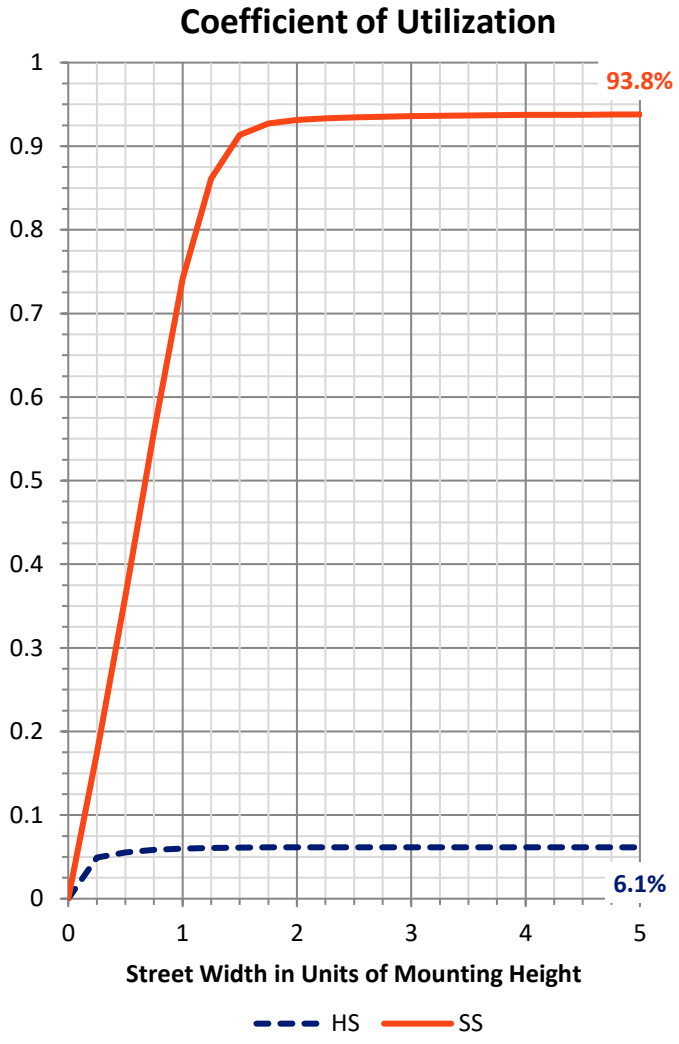
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1840.1	0.0	1840.1
	% Fixture	6.2	0.0	6.2
Street Side	Lumens	27980.7	0.0	27980.7
	% Fixture	93.8	0.0	93.8
Total	Lumens	29820.8	0.0	29820.8
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	680.8	2.3
10°-20°	1641.4	5.5
20°-30°	2733.6	9.2
30°-40°	4658.3	15.6
40°-50°	7603.9	25.5
50°-60°	7960.9	26.7
60°-70°	4015.3	13.5
70°-80°	507.2	1.7
80°-90°	19.2	0.1
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°	29820.8	100.0
0°-180°	29820.8	100.0



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REPORT NUMBER: P643414
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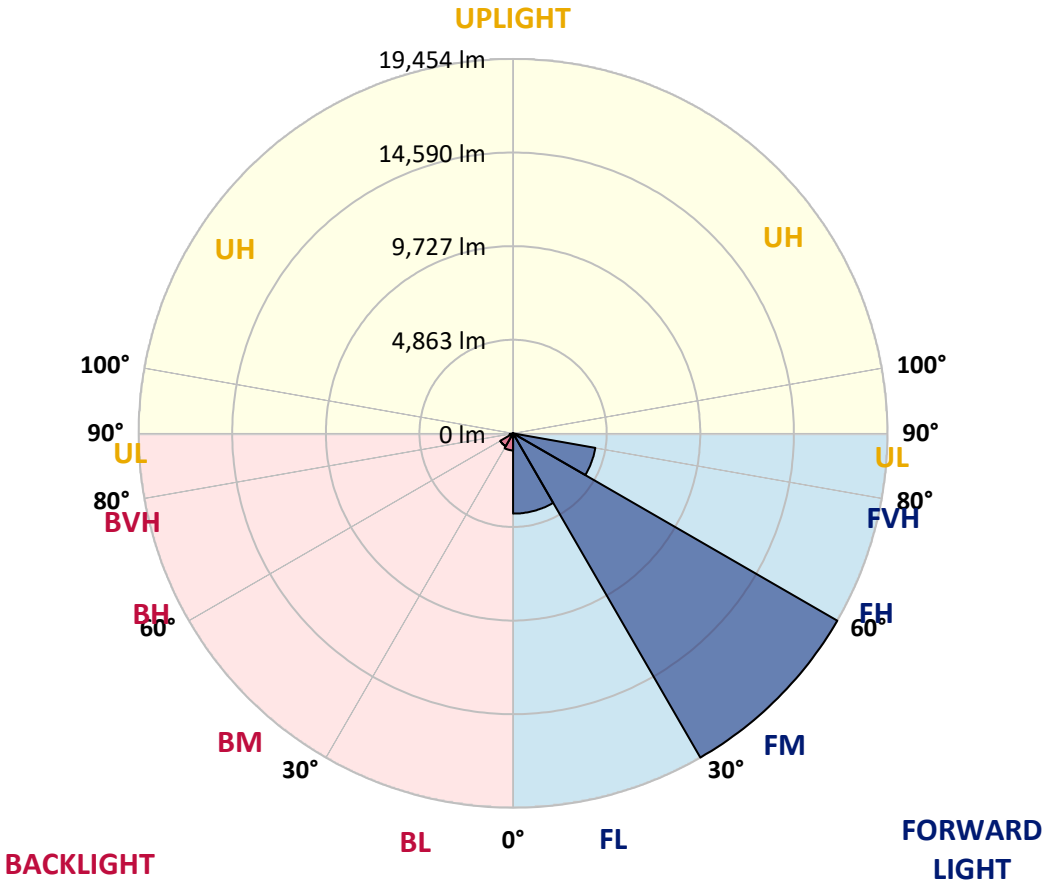
LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	4171.5	14.0			
FM	(30°-60°)	19453.8	65.2			
FH	(60°-80°)	4337.9	14.5			G2/5000
FVH	(80°-90°)	17.5	0.1			G1/100
BL	(0°-30°)	884.4	3.0	B2/1000		
BM	(30°-60°)	769.3	2.6	B1/1000		
BH	(60°-80°)	184.6	0.6	B1/500		G1/500
BVH	(80°-90°)	1.7	0.0			G0/10
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G2
Type II Short



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Scaled Data Report

REPORT NUMBER: P643414
CATALOG NUMBER: GWS-SA6E-830-U-AFL-W-HSS

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	56°	65°	75°	85°
0°	7703.9	7703.9	7703.9	7703.9	7703.9	7703.9	*7703.9*	7703.9	7703.9	7703.9	7703.9
2.5°	8981.1	8937.8	9004.1	8927.6	8797.6	8688.0	*8545.2*	8494.2	8264.8	8048.1	7839.1
5°	10072.2	10085.0	10064.6	9957.5	9774.0	9570.0	*9282.0*	9218.2	8818.0	8405.0	7958.9
7.5°	10342.5	10334.8	10378.2	10418.9	10388.3	10286.4	*9972.8*	9909.1	9412.0	8792.5	8142.4
10°	9508.8	9513.9	9603.2	9878.5	10220.1	10574.4	*10526.0*	10490.3	10003.4	9231.0	8346.4
12.5°	8331.1	8377.0	8471.3	8863.9	9442.6	10248.1	*10747.8*	10783.5	10546.4	9712.8	8586.0
15°	7821.2	7831.4	7907.9	8145.0	8575.8	9570.0	*10653.5*	10752.9	11000.2	10197.2	8846.0
17.5°	7808.5	7821.2	7854.4	7958.9	8239.3	9037.2	*10350.1*	10523.5	11341.8	10717.2	9157.0
20°	8287.7	8280.1	8257.1	8201.1	8323.4	8861.3	*10069.7*	10260.9	11527.9	11224.5	9470.6
22.5°	9157.0	9146.8	9044.9	8812.9	8713.5	9021.9	*9932.0*	10105.4	11640.0	11675.7	9728.1
25°	10158.9	10230.3	10039.1	9687.3	9442.6	9432.4	*10054.4*	10176.8	11736.9	12076.0	9904.0
27.5°	11257.7	11280.6	11117.4	10722.3	10368.0	10090.1	*10408.7*	10500.5	11844.0	12432.9	10003.4
30°	12463.5	12455.8	12269.7	11810.9	11380.0	10979.8	*11005.3*	11041.0	12093.8	12840.8	10113.0
32.5°	13970.1	14003.2	13671.8	13047.3	12529.8	11976.6	*11785.4*	11790.5	12545.0	13365.9	10278.7
35°	16017.2	15935.6	15497.1	14607.4	13725.4	13128.8	*12802.5*	12774.5	13241.0	14072.1	10566.8
37.5°	17967.4	17975.0	17516.2	16537.2	15423.2	14482.5	*14021.1*	13944.6	14219.9	15051.0	11046.1
40°	19321.1	19346.5	19155.3	18642.9	17462.6	16131.9	*15453.8*	15374.8	15489.5	16289.9	11673.2
42.5°	20037.4	20108.8	20162.3	20282.1	19387.3	18191.7	*17149.1*	17141.4	17021.6	17702.3	12399.7
45°	20065.4	20172.5	20498.8	21317.1	21419.1	20542.2	*19407.7*	19236.9	18775.5	19214.0	13049.8
47.5°	18956.5	19203.8	19897.2	21518.5	22589.2	22879.9	*21755.6*	21651.1	20356.1	20409.6	13536.7
50°	16371.5	16629.0	17906.2	20486.1	22885.0	24735.7	*24333.0*	24116.3	21676.6	21199.9	13771.3
52.5°	13720.3	13954.8	14821.6	18028.6	21658.8	25319.5	*26504.9*	26247.5	22862.0	21475.2	13674.4
55°	*9547.1*	*9860.6*	*10707.0*	*13475.5*	*18834.1*	*24182.5*	*27223.8*	*27170.3*	*23920.0*	*21301.8*	*13524.0*
57.5°	4680.5	4991.5	5835.3	8308.1	13952.3	21113.2	*26125.1*	26408.1	24552.2	21115.8	13401.6
60°	1955.3	2082.8	2373.4	3645.5	7805.9	15956.0	*23644.6*	24037.2	24164.7	20863.4	13388.9
62.5°	1134.4	1154.8	1185.4	1511.7	3036.2	9146.8	*19614.2*	20172.5	22127.8	20529.4	13187.5
65°	856.6	864.2	851.5	927.9	1254.2	3469.6	*14171.5*	14931.2	18469.6	19224.2	12392.1
67.5°	703.6	703.6	670.5	685.8	787.7	1300.1	*7823.8*	8884.3	13666.7	15800.5	10232.8
70°	560.8	573.6	558.3	537.9	563.4	718.9	*2783.8*	3451.7	7958.9	9330.4	5967.9
72.5°	425.7	425.7	451.2	435.9	418.1	451.2	*971.3*	1091.1	3194.3	3890.2	2154.1
75°	328.9	339.1	356.9	341.6	316.1	267.7	*466.5*	494.6	963.6	905.0	481.8
77.5°	168.3	170.8	226.9	249.8	234.5	163.2	*203.9*	224.3	313.6	280.4	178.5
80°	102.0	107.1	127.5	196.3	155.5	86.7	*84.1*	89.2	147.9	127.5	73.9
82.5°	43.3	45.9	71.4	71.4	63.7	33.1	*33.1*	33.1	71.4	66.3	30.6
85°	0.0	0.0	12.7	10.2	10.2	12.7	*12.7*	12.7	17.8	25.5	15.3
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	*0.0*	0.0	2.5	7.6	7.6
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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Scaled Data Report

REPORT NUMBER: P643414
CATALOG NUMBER: GWS-SA6E-830-U-AFL-W-HSS

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	7703.9	7703.9	7703.9	7703.9	7703.9	7703.9	7703.9	7703.9	7703.9	7703.9	7703.9
2.5°	7703.9	7540.8	7321.6	7122.7	6855.0	6704.6	6495.6	6324.8	6179.5	6133.6	6113.2
5°	7706.5	7426.1	6957.0	6487.9	5911.8	5458.0	4991.5	4621.9	4318.5	4221.6	4196.1
7.5°	7757.5	7344.5	6584.8	5733.3	4769.7	3974.3	3263.1	2625.8	2330.0	2230.6	2210.2
10°	7826.3	7275.7	6154.0	4828.4	3444.1	2421.8	1715.7	1307.8	1114.0	1007.0	1022.3
12.5°	7915.5	7219.6	5677.3	3849.4	2279.1	1330.7	943.2	790.3	749.5	729.1	718.9
15°	8035.4	7153.3	5085.8	2878.1	1397.0	856.6	726.5	685.8	670.5	660.3	657.7
17.5°	8157.7	7076.8	4484.2	2024.1	927.9	711.3	652.6	632.2	622.0	614.4	611.8
20°	8287.7	6946.8	3778.0	1394.5	731.6	639.9	601.6	578.7	565.9	553.2	550.6
22.5°	8343.8	6737.8	3102.5	976.4	650.1	588.9	540.4	512.4	497.1	486.9	486.9
25°	8290.3	6398.7	2404.0	741.8	591.4	532.8	484.4	453.8	441.0	430.8	430.8
27.5°	8147.5	5962.8	1753.9	614.4	527.7	474.2	428.3	400.2	390.0	384.9	384.9
30°	7989.5	5412.1	1236.4	527.7	456.3	413.0	374.7	356.9	354.4	349.3	349.3
32.5°	7854.4	4897.2	851.5	464.0	402.8	359.4	334.0	326.3	328.9	323.8	326.3
35°	7780.4	4392.4	632.2	413.0	359.4	318.7	305.9	305.9	305.9	303.4	303.4
37.5°	7811.0	3895.3	515.0	377.3	321.2	290.6	277.9	283.0	288.1	288.1	288.1
40°	7964.0	3454.3	456.3	344.2	288.1	265.1	254.9	262.6	270.2	275.3	275.3
42.5°	8157.7	3097.4	413.0	316.1	265.1	239.6	234.5	242.2	249.8	254.9	254.9
45°	8280.1	2737.9	369.6	280.4	242.2	211.6	211.6	221.8	219.2	221.8	221.8
47.5°	8336.2	2452.4	326.3	242.2	206.5	183.5	186.1	191.2	186.1	191.2	191.2
50°	8198.5	2164.3	288.1	201.4	170.8	160.6	165.7	163.2	163.2	173.4	173.4
52.5°	7946.1	1950.2	254.9	170.8	145.3	142.8	147.9	137.7	140.2	140.2	137.7
55°	*7760.0*	*1827.8*	*226.9*	*147.9*	*124.9*	*127.5*	*124.9*	*107.1*	*96.9*	*86.7*	*84.1*
57.5°	7668.3	1779.4	206.5	132.6	112.2	112.2	102.0	73.9	56.1	43.3	38.2
60°	7647.9	1720.8	186.1	114.7	99.4	94.3	73.9	43.3	28.0	20.4	17.8
62.5°	7454.1	1578.0	168.3	91.8	86.7	76.5	45.9	25.5	15.3	10.2	7.6
65°	6819.3	1297.6	150.4	71.4	66.3	56.1	28.0	15.3	7.6	2.5	0.0
67.5°	5424.9	920.3	132.6	53.5	45.9	35.7	17.8	10.2	2.5	0.0	0.0
70°	3128.0	497.1	109.6	38.2	30.6	22.9	12.7	5.1	0.0	0.0	0.0
72.5°	1045.2	232.0	84.1	25.5	22.9	17.8	7.6	2.5	0.0	0.0	0.0
75°	229.4	137.7	56.1	17.8	15.3	12.7	5.1	0.0	0.0	0.0	0.0
77.5°	86.7	96.9	28.0	12.7	10.2	7.6	2.5	0.0	0.0	0.0	0.0
80°	33.1	63.7	12.7	7.6	7.6	2.5	0.0	0.0	0.0	0.0	0.0
82.5°	17.8	25.5	7.6	5.1	5.1	0.0	0.0	0.0	0.0	0.0	0.0
85°	10.2	12.7	5.1	2.5	2.5	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	5.1	2.5	2.5	2.5	0.0	0.0	0.0	0.0	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

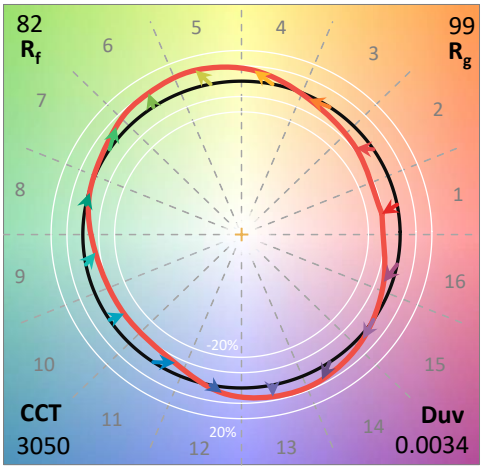
Test Information

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

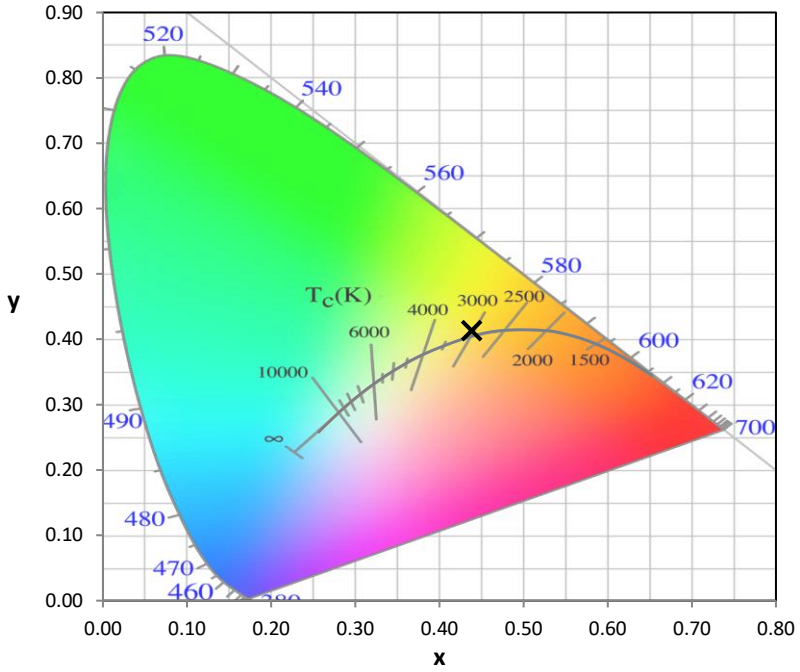
Stabilization Time:	20M
Operation Time:	1H 20M
Sphere Temperature (°C):	24.2

REPORT NUMBER: SP1-2408-195-9

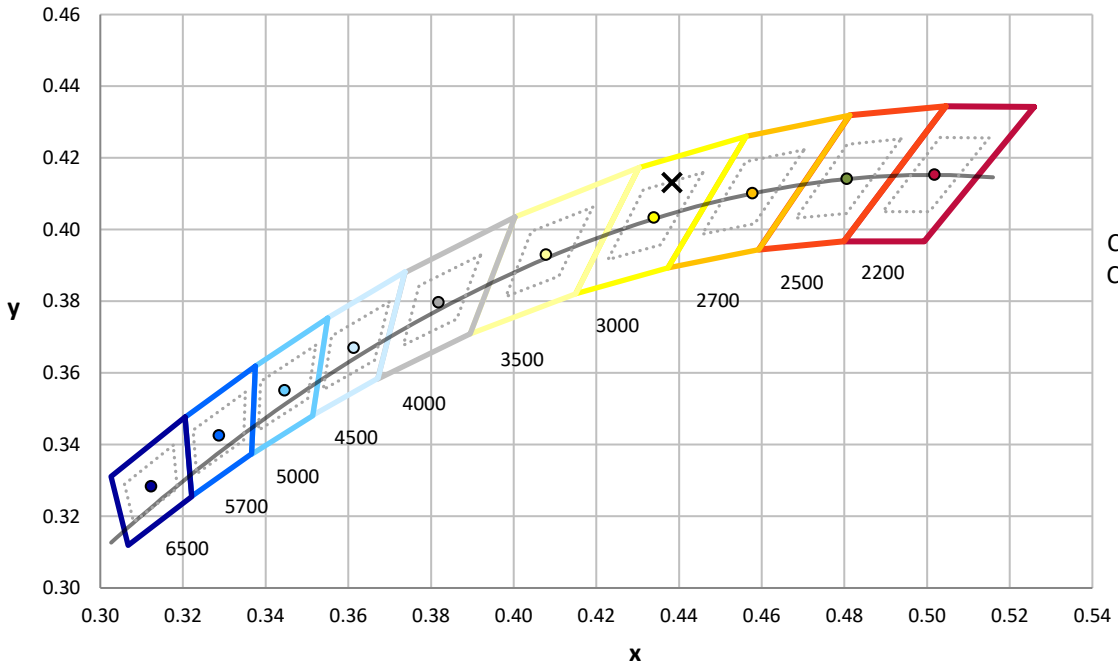
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

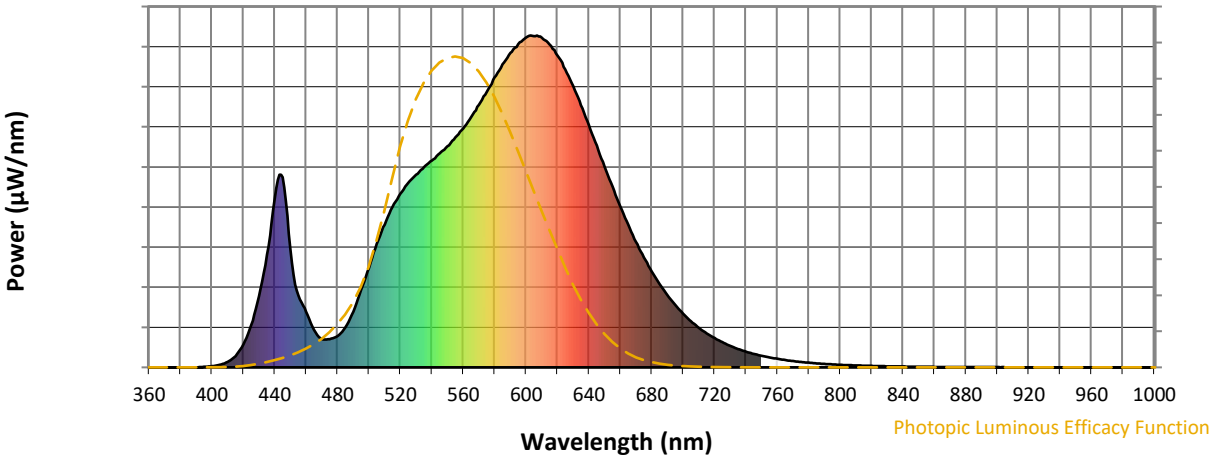


CCT = 3050K
CIE x = 0.4383
CIE y = 0.4131
Duv = 0.0034

Point lies inside the ANSI 3000K 4-step quadrangle

REPORT NUMBER: SP1-2408-195-9

Photopic Flux vs. Wavelength



Photopic Lumens: NR

λ (nm)	Power W^/nm	Lumens (ϕ/nm)	λ (nm)	Power W^/nm	Lumens (ϕ/nm)	λ (nm)	Power W^/nm	Lumens (ϕ/nm)	λ (nm)	Power W^/nm	Lumens (ϕ/nm)	λ (nm)	Power W^/nm	Lumens (ϕ/nm)
360	0	NR	490	168	NR	620	940	NR	750	35	NR	880	1	NR
365	0	NR	495	233	NR	625	897	NR	755	30	NR	885	1	NR
370	0	NR	500	300	NR	630	847	NR	760	26	NR	890	1	NR
375	0	NR	505	372	NR	635	790	NR	765	22	NR	895	1	NR
380	0	NR	510	430	NR	640	730	NR	770	19	NR	900	1	NR
385	0	NR	515	483	NR	645	668	NR	775	16	NR	905	1	NR
390	0	NR	520	524	NR	650	605	NR	780	14	NR	910	0	NR
395	2	NR	525	555	NR	655	545	NR	785	12	NR	915	0	NR
400	4	NR	530	581	NR	660	485	NR	790	10	NR	920	0	NR
405	7	NR	535	604	NR	665	430	NR	795	9	NR	925	0	NR
410	17	NR	540	623	NR	670	378	NR	800	8	NR	930	0	NR
415	34	NR	545	645	NR	675	331	NR	805	7	NR	935	0	NR
420	68	NR	550	667	NR	680	290	NR	810	6	NR	940	0	NR
425	128	NR	555	693	NR	685	251	NR	815	5	NR	945	0	NR
430	214	NR	560	719	NR	690	218	NR	820	4	NR	950	0	NR
435	339	NR	565	754	NR	695	188	NR	825	4	NR	955	0	NR
440	507	NR	570	791	NR	700	162	NR	830	3	NR	960	0	NR
445	573	NR	575	830	NR	705	139	NR	835	3	NR	965	0	NR
450	356	NR	580	873	NR	710	119	NR	840	3	NR	970	0	NR
455	217	NR	585	913	NR	715	102	NR	845	2	NR	975	0	NR
460	168	NR	590	948	NR	720	88	NR	850	2	NR	980	0	NR
465	113	NR	595	974	NR	725	76	NR	855	2	NR	985	0	NR
470	85	NR	600	994	NR	730	65	NR	860	1	NR	990	0	NR
475	85	NR	605	998	NR	735	55	NR	865	1	NR	995	0	NR
480	94	NR	610	994	NR	740	47	NR	870	1	NR	1000	0	NR
485	120	NR	615	973	NR	745	41	NR	875	1	NR			

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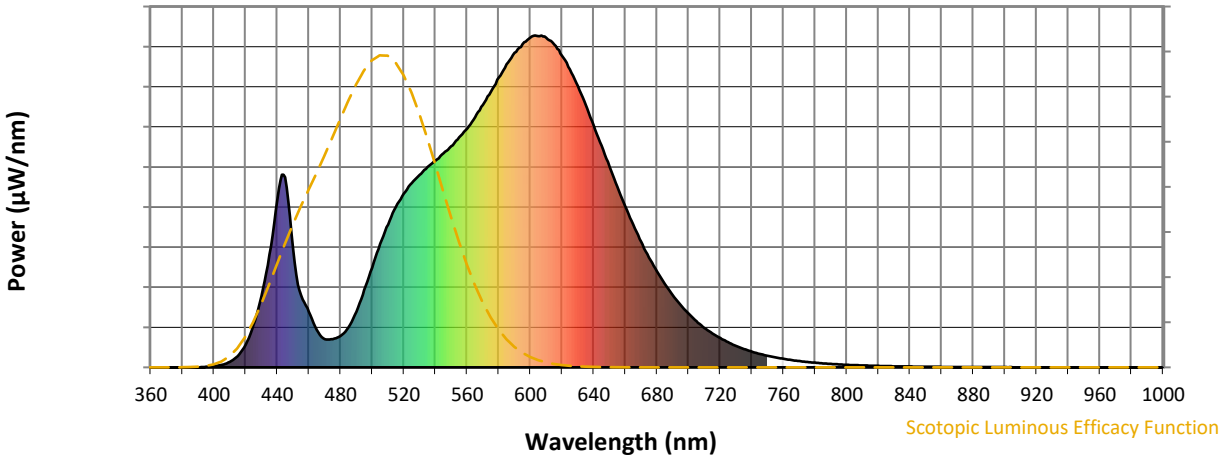
Scotopic Flux vs. Wavelength



Scotopic Lumens: NR **S/P: 1.27**

λ (nm)	Power W^/nm	Lumens (ϕ/nm)	λ (nm)	Power W^/nm	Lumens (ϕ/nm)	λ (nm)	Power W^/nm	Lumens (ϕ/nm)	λ (nm)	Power W^/nm	Lumens (ϕ/nm)	λ (nm)	Power W^/nm	Lumens (ϕ/nm)
360	0	NR	490	168	NR	620	940	NR	750	35	NR	880	1	NR
365	0	NR	495	233	NR	625	897	NR	755	30	NR	885	1	NR
370	0	NR	500	300	NR	630	847	NR	760	26	NR	890	1	NR
375	0	NR	505	372	NR	635	790	NR	765	22	NR	895	1	NR
380	0	NR	510	430	NR	640	730	NR	770	19	NR	900	1	NR
385	0	NR	515	483	NR	645	668	NR	775	16	NR	905	1	NR
390	0	NR	520	524	NR	650	605	NR	780	14	NR	910	0	NR
395	2	NR	525	555	NR	655	545	NR	785	12	NR	915	0	NR
400	4	NR	530	581	NR	660	485	NR	790	10	NR	920	0	NR
405	7	NR	535	604	NR	665	430	NR	795	9	NR	925	0	NR
410	17	NR	540	623	NR	670	378	NR	800	8	NR	930	0	NR
415	34	NR	545	645	NR	675	331	NR	805	7	NR	935	0	NR
420	68	NR	550	667	NR	680	290	NR	810	6	NR	940	0	NR
425	128	NR	555	693	NR	685	251	NR	815	5	NR	945	0	NR
430	214	NR	560	719	NR	690	218	NR	820	4	NR	950	0	NR
435	339	NR	565	754	NR	695	188	NR	825	4	NR	955	0	NR
440	507	NR	570	791	NR	700	162	NR	830	3	NR	960	0	NR
445	573	NR	575	830	NR	705	139	NR	835	3	NR	965	0	NR
450	356	NR	580	873	NR	710	119	NR	840	3	NR	970	0	NR
455	217	NR	585	913	NR	715	102	NR	845	2	NR	975	0	NR
460	168	NR	590	948	NR	720	88	NR	850	2	NR	980	0	NR
465	113	NR	595	974	NR	725	76	NR	855	2	NR	985	0	NR
470	85	NR	600	994	NR	730	65	NR	860	1	NR	990	0	NR
475	85	NR	605	998	NR	735	55	NR	865	1	NR	995	0	NR
480	94	NR	610	994	NR	740	47	NR	870	1	NR	1000	0	NR
485	120	NR	615	973	NR	745	41	NR	875	1	NR			

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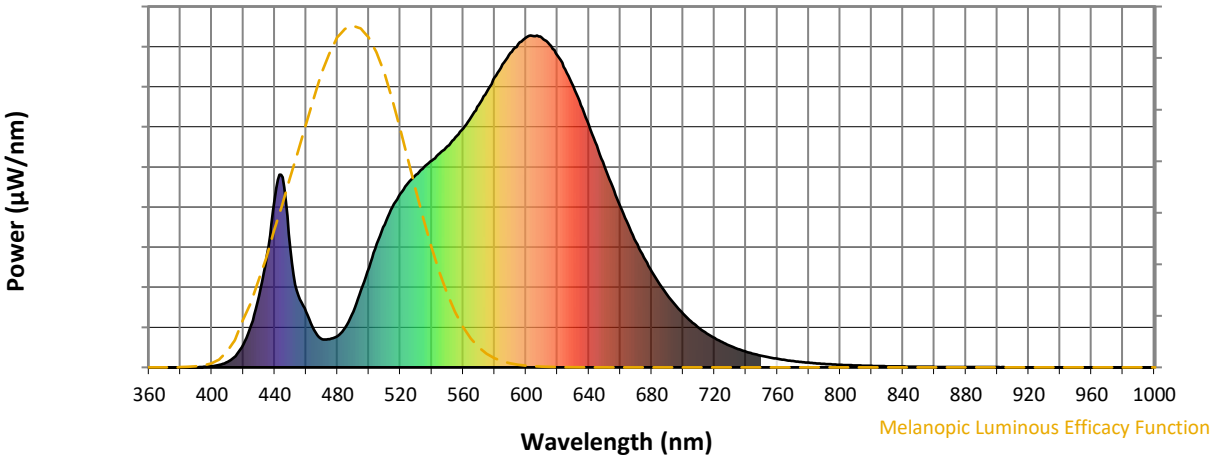
Melanopic Flux vs. Wavelength



Melanopic Lumens: NR **M/P: 2.32**

λ (nm)	Power W^/nm	Lumens (ϕ/nm)	λ (nm)	Power W^/nm	Lumens (ϕ/nm)	λ (nm)	Power W^/nm	Lumens (ϕ/nm)	λ (nm)	Power W^/nm	Lumens (ϕ/nm)	λ (nm)	Power W^/nm	Lumens (ϕ/nm)
360	0	NR	490	168	NR	620	940	NR	750	35	NR	880	1	NR
365	0	NR	495	233	NR	625	897	NR	755	30	NR	885	1	NR
370	0	NR	500	300	NR	630	847	NR	760	26	NR	890	1	NR
375	0	NR	505	372	NR	635	790	NR	765	22	NR	895	1	NR
380	0	NR	510	430	NR	640	730	NR	770	19	NR	900	1	NR
385	0	NR	515	483	NR	645	668	NR	775	16	NR	905	1	NR
390	0	NR	520	524	NR	650	605	NR	780	14	NR	910	0	NR
395	2	NR	525	555	NR	655	545	NR	785	12	NR	915	0	NR
400	4	NR	530	581	NR	660	485	NR	790	10	NR	920	0	NR
405	7	NR	535	604	NR	665	430	NR	795	9	NR	925	0	NR
410	17	NR	540	623	NR	670	378	NR	800	8	NR	930	0	NR
415	34	NR	545	645	NR	675	331	NR	805	7	NR	935	0	NR
420	68	NR	550	667	NR	680	290	NR	810	6	NR	940	0	NR
425	128	NR	555	693	NR	685	251	NR	815	5	NR	945	0	NR
430	214	NR	560	719	NR	690	218	NR	820	4	NR	950	0	NR
435	339	NR	565	754	NR	695	188	NR	825	4	NR	955	0	NR
440	507	NR	570	791	NR	700	162	NR	830	3	NR	960	0	NR
445	573	NR	575	830	NR	705	139	NR	835	3	NR	965	0	NR
450	356	NR	580	873	NR	710	119	NR	840	3	NR	970	0	NR
455	217	NR	585	913	NR	715	102	NR	845	2	NR	975	0	NR
460	168	NR	590	948	NR	720	88	NR	850	2	NR	980	0	NR
465	113	NR	595	974	NR	725	76	NR	855	2	NR	985	0	NR
470	85	NR	600	994	NR	730	65	NR	860	1	NR	990	0	NR
475	85	NR	605	998	NR	735	55	NR	865	1	NR	995	0	NR
480	94	NR	610	994	NR	740	47	NR	870	1	NR	1000	0	NR
485	120	NR	615	973	NR	745	41	NR	875	1	NR			

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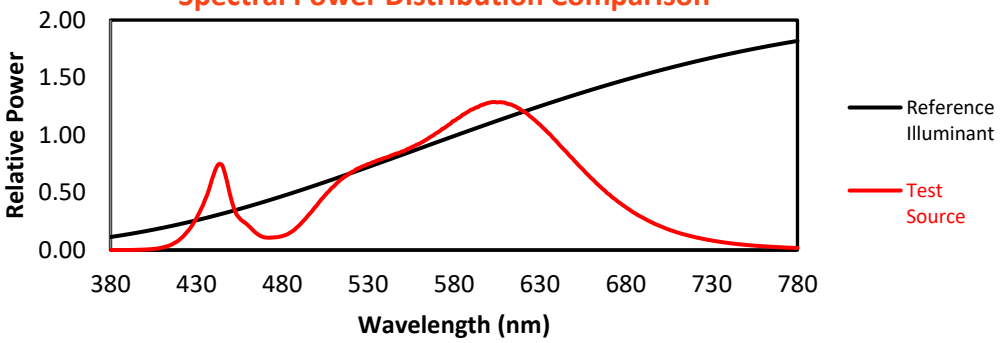
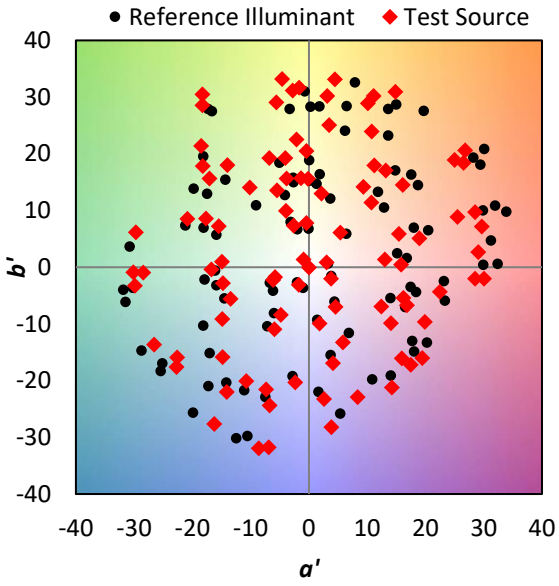
Summary

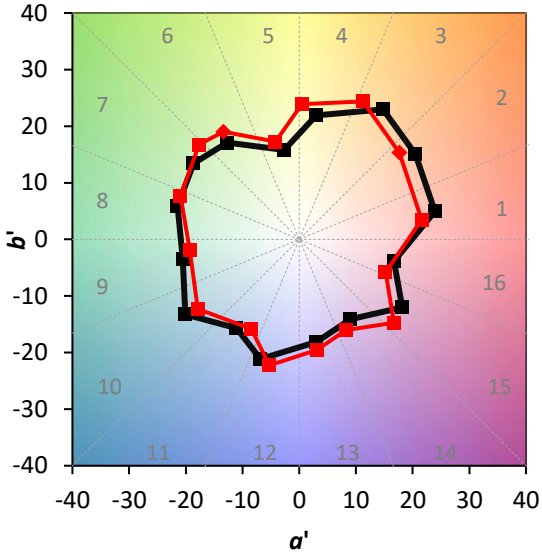
R_f = 81.5
R_g = 99.2
CIE R_a = 81.0
R_9 = 7.1

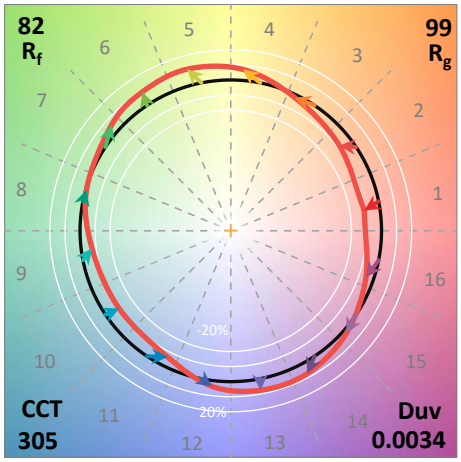
Spectral Power Distribution Comparison

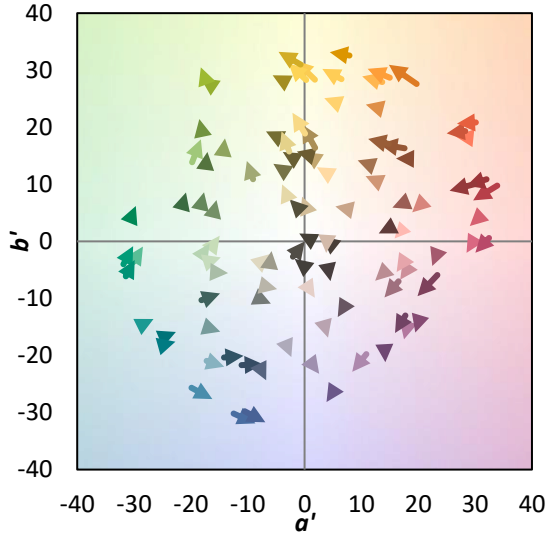


Color Vector Graphics









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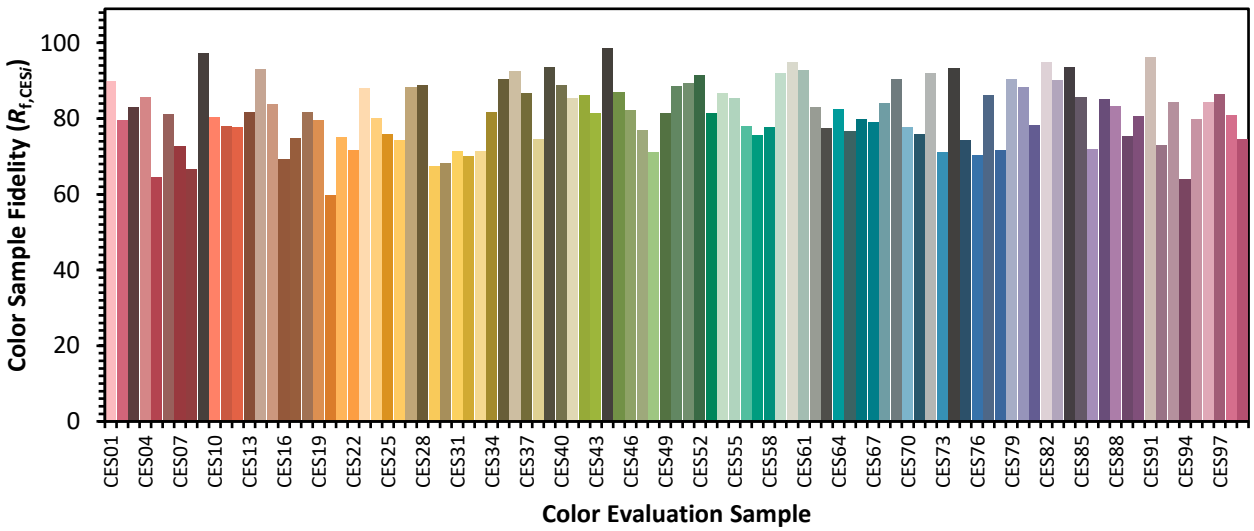
Individual Sample Fidelity Index ($R_{f,i}$)

CES01 = 86	CES26 = 74	CES51 = 89	CES76 = 70
CES02 = 63	CES27 = 88	CES52 = 92	CES77 = 86
CES03 = 31	CES28 = 89	CES53 = 81	CES78 = 72
CES04 = 70	CES29 = 67	CES54 = 87	CES79 = 90
CES05 = 50	CES30 = 68	CES55 = 85	CES80 = 88
CES06 = 51	CES31 = 71	CES56 = 78	CES81 = 78
CES07 = 42	CES32 = 70	CES57 = 76	CES82 = 95
CES08 = 41	CES33 = 71	CES58 = 78	CES83 = 90
CES09 = 29	CES34 = 82	CES59 = 92	CES84 = 94
CES10 = 76	CES35 = 90	CES60 = 95	CES85 = 86
CES11 = 59	CES36 = 93	CES61 = 93	CES86 = 72
CES12 = 65	CES37 = 87	CES62 = 83	CES87 = 85
CES13 = 43	CES38 = 75	CES63 = 77	CES88 = 83
CES14 = 74	CES39 = 94	CES64 = 83	CES89 = 75
CES15 = 71	CES40 = 89	CES65 = 77	CES90 = 81
CES16 = 47	CES41 = 85	CES66 = 80	CES91 = 96
CES17 = 50	CES42 = 86	CES67 = 79	CES92 = 73
CES18 = 56	CES43 = 81	CES68 = 84	CES93 = 84
CES19 = 72	CES44 = 99	CES69 = 91	CES94 = 64
CES20 = 66	CES45 = 87	CES70 = 78	CES95 = 80
CES21 = 87	CES46 = 82	CES71 = 76	CES96 = 84
CES22 = 79	CES47 = 77	CES72 = 92	CES97 = 87
CES23 = 92	CES48 = 71	CES73 = 71	CES98 = 81
CES24 = 91	CES49 = 81	CES74 = 93	CES99 = 74
CES25 = 72	CES50 = 89	CES75 = 74	



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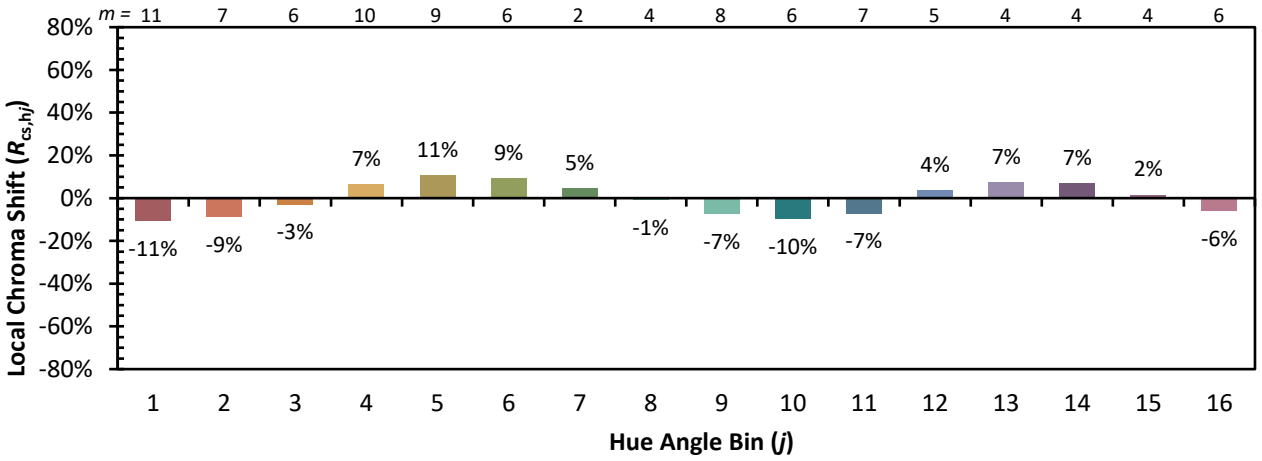
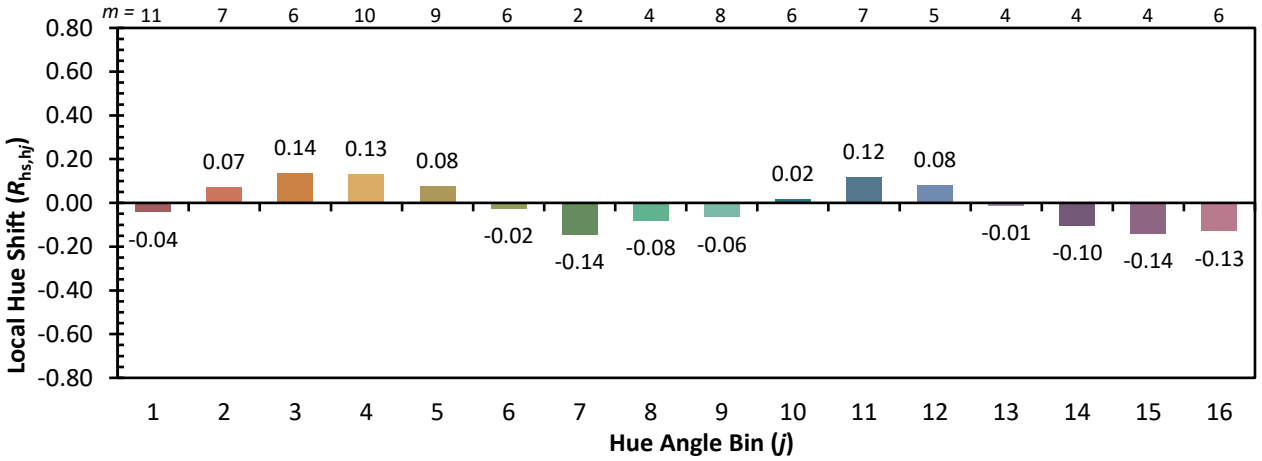
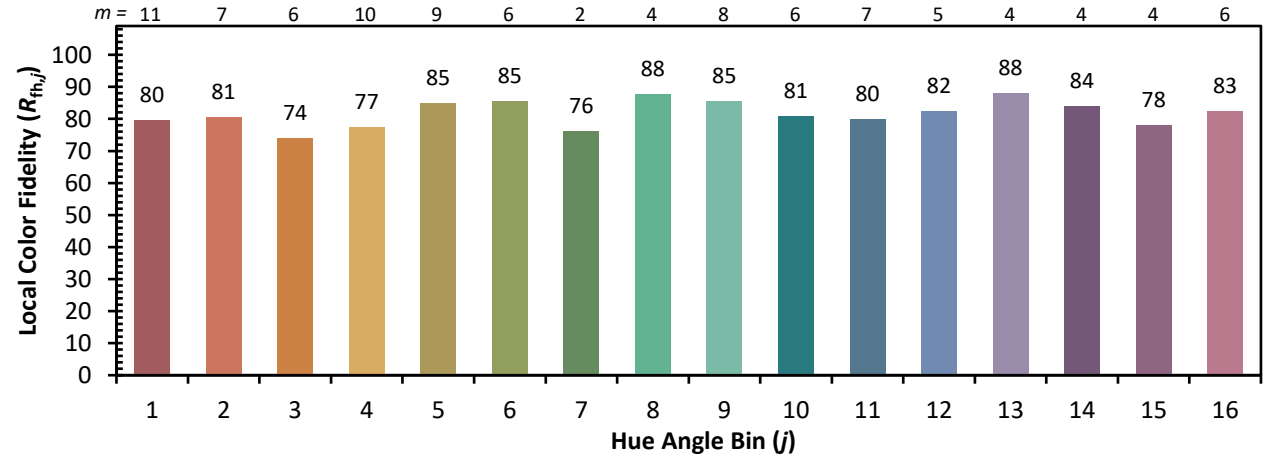
Color Rendition by Hue-Angle Bin







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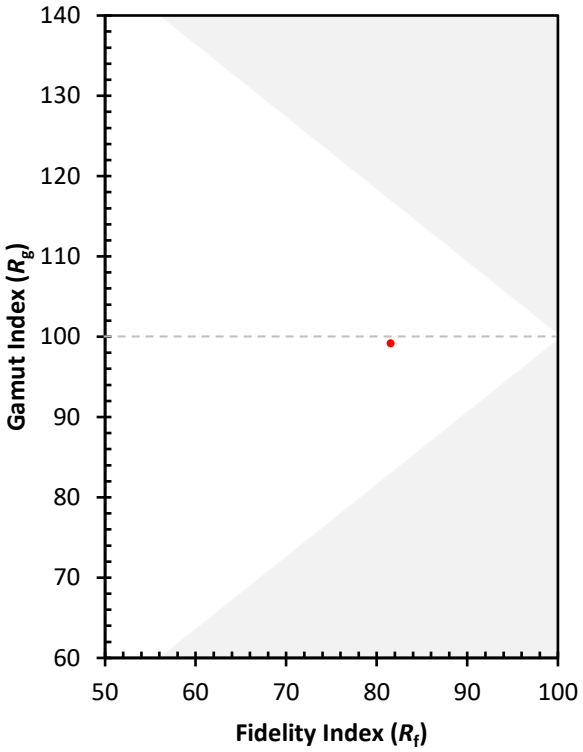
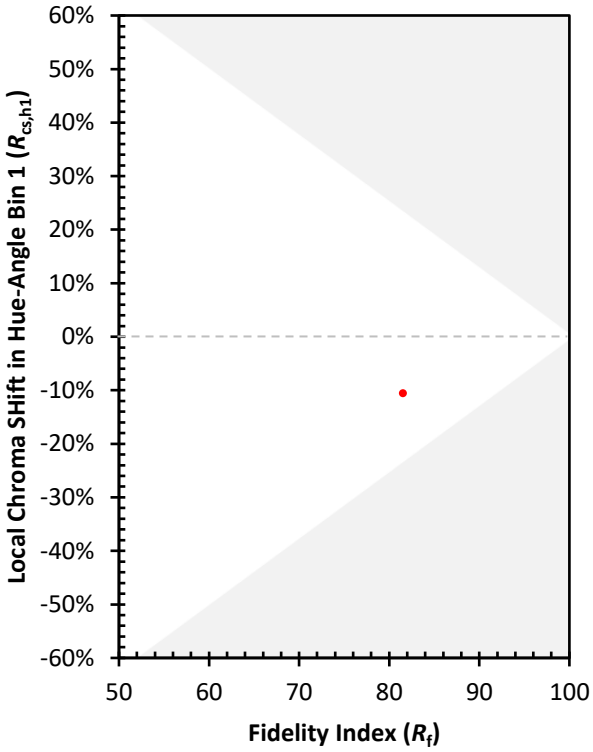
Measure Comparisons





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