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: P643947

Luminaire Tested: GWS-SA6F-830-U-T3R-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:	P643947
	TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-18)
Test Lab:	COOPER LIGHTING SOLUTIONS
Issue Date:	1/10/2023
Manufacturer:	COOPER LIGHTING SOLUTIONS
Product Line:	McGRAW-EDISON
Catalog Number:	GWS-SA6F-830-U-T3R-W-HSS
Description:	GALLEON WALL SLIM LUMINAIRE. (6) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III ROADWAY OPTICS WITH HOUSE SIDE SHIELD
Light Source:	(96) 3000K CCT, 80 CRI LEDS
Ballast/Driver:	-

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	30950.3 lumens
Efficiency:	N/A
Efficacy:	83.1 lumens/watt
Luminous Opening:	Rectangular (W 2' x L: 1' x H: 0')
IES Classification:	Type III - Medium
BUG Rating:	B3 - U0 - G4

Input Watts (W):	372.6
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: P643947
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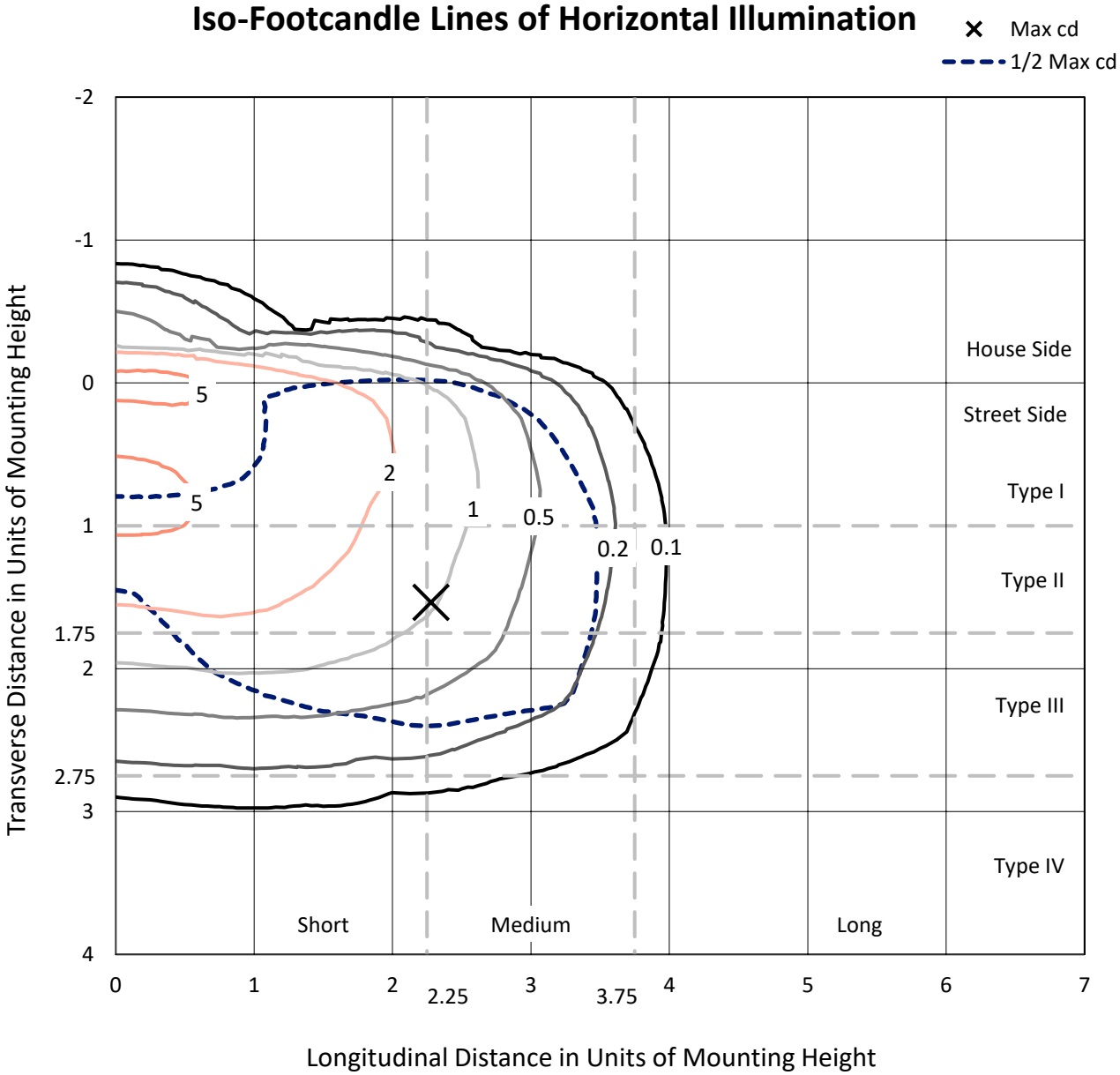
Iso-Footcandle Lines of Horizontal Illumination



Based on 30 foot mounting height. Maximum calculated value = 6.5 fc
Type III - Medium - N/A

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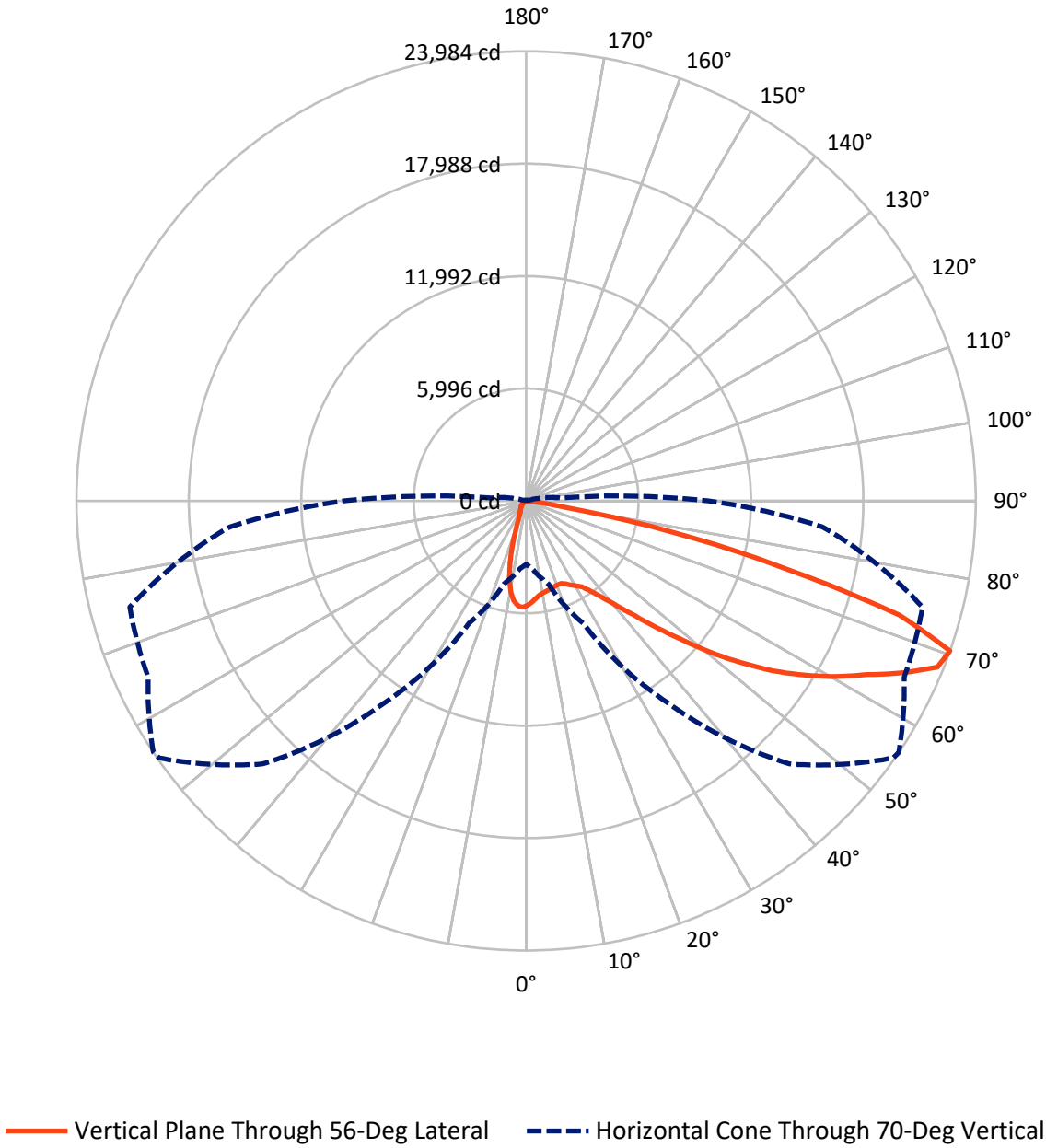
Luminous Intensity Polar Plot



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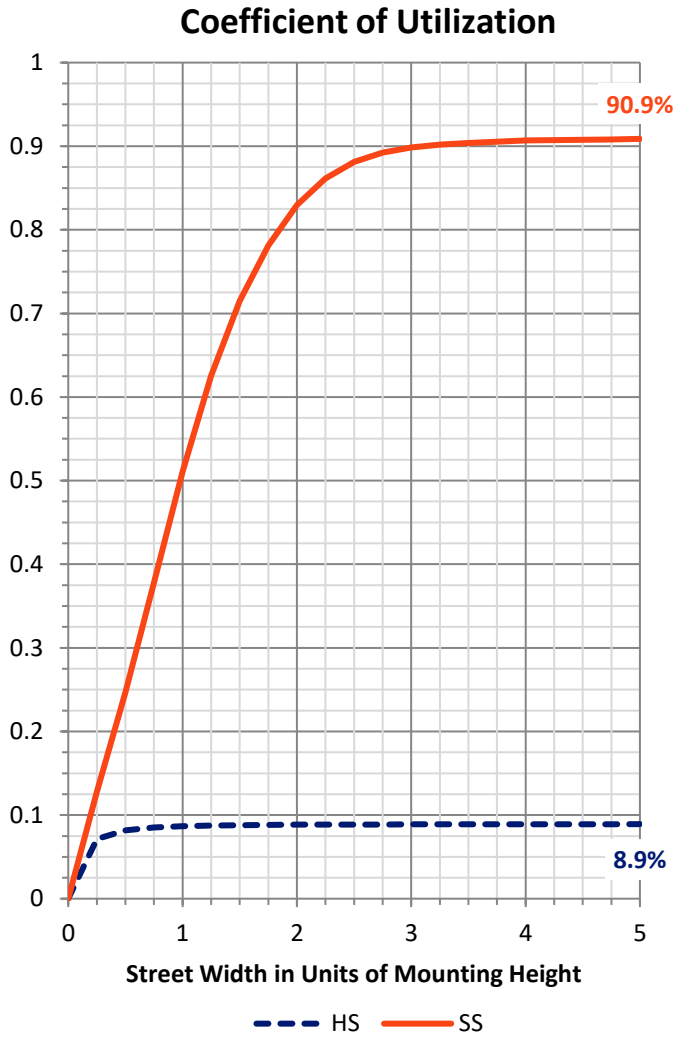
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2779.9	0.0	2779.9
	% Fixture	9.0	0.0	9.0
Street Side	Lumens	28170.4	0.0	28170.4
	% Fixture	91.0	0.0	91.0
Total	Lumens	30950.3	0.0	30950.3
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	479.1	1.5
10°-20°	1077.7	3.5
20°-30°	1707.0	5.5
30°-40°	2943.7	9.5
40°-50°	4971.0	16.1
50°-60°	7304.0	23.6
60°-70°	8659.2	28.0
70°-80°	3692.6	11.9
80°-90°	115.9	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°	30950.3	100.0
0°-180°	30950.3	100.0



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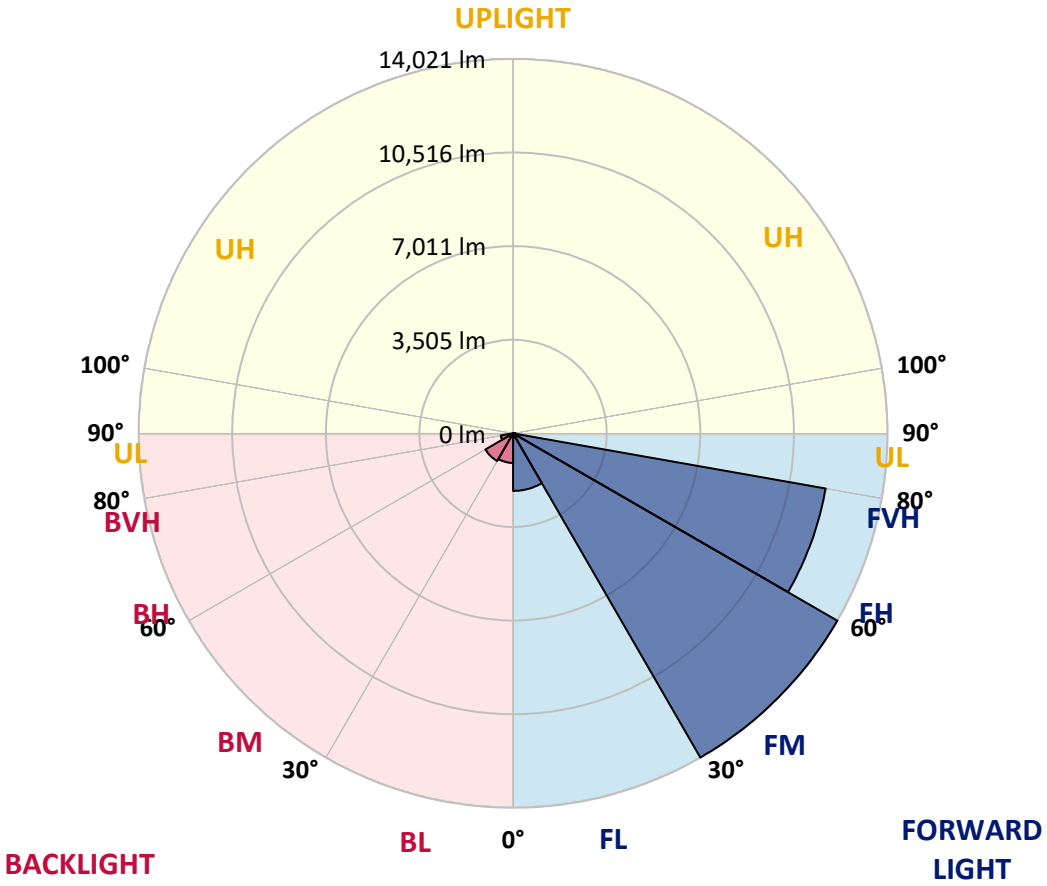
LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	2156.7	7.0			
FM	(30°-60°)	14021.3	45.3			
FH	(60°-80°)	11888.2	38.4			G4/12000
FVH	(80°-90°)	104.2	0.3			G2/225
BL	(0°-30°)	1107.1	3.6	B3/2500		
BM	(30°-60°)	1197.4	3.9	B2/2500		
BH	(60°-80°)	463.7	1.5	B1/500		G1/500
BVH	(80°-90°)	11.8	0.0			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G4
Type III Medium



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REPORT NUMBER: P643947
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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	56°	65°	75°	85°
0°	5580.7	5580.7	5580.7	5580.7	5580.7	5580.7	5580.7	*5580.7*	5580.7	5580.7	5580.7
2.5°	5195.2	5186.7	5192.4	5234.9	5314.2	5351.1	5413.4	*5424.8*	5475.8	5541.0	5566.5
5°	4857.9	4829.6	4843.7	4903.3	4994.0	5096.0	5212.2	*5243.4*	5370.9	5515.5	5623.2
7.5°	4549.0	4517.8	4551.8	4645.3	4772.9	4883.4	5056.3	*5076.2*	5280.2	5535.3	5730.9
10°	4064.3	4072.8	4140.8	4305.2	4500.8	4730.4	4962.8	*4991.1*	5243.4	5600.5	5903.8
12.5°	3693.0	3673.2	3746.9	3933.9	4208.9	4543.3	4891.9	*4928.8*	5246.2	5699.7	6124.8
15°	3520.1	3514.5	3545.7	3681.7	3948.1	4342.1	4826.7	*4874.9*	5283.1	5790.4	6334.6
17.5°	3525.8	3517.3	3514.5	3593.8	3792.2	4191.9	4755.9	*4818.2*	5314.2	5889.6	6555.6
20°	3772.4	3732.7	3661.9	3625.0	3744.1	4095.5	4707.7	*4778.6*	5359.6	5994.5	6790.9
22.5°	4288.2	4302.4	4112.5	3914.1	3857.4	4106.8	4702.0	*4784.2*	5458.8	6158.8	7080.0
25°	5319.9	5297.2	4945.8	4500.8	4191.9	4237.2	4801.2	*4900.4*	5654.3	6394.1	7352.1
27.5°	6612.3	6632.2	6150.3	5441.8	4795.6	4506.5	4982.6	*5081.8*	5881.1	6541.5	7533.5
30°	8020.9	8001.1	7485.3	6700.2	5651.5	4954.3	5164.0	*5251.9*	5994.5	6620.8	7720.5
32.5°	9353.0	9307.7	8797.5	7975.6	6742.7	5660.0	5413.4	*5464.4*	6144.7	6793.7	7972.8
35°	10489.6	10486.7	10041.8	9166.0	7865.1	6544.3	5841.4	*5883.9*	6425.3	7068.6	8344.1
37.5°	11663.0	11623.3	11124.5	10325.2	9018.6	7513.6	6496.1	*6479.1*	6867.4	7473.9	8800.4
40°	12626.6	12601.1	12218.5	11450.4	10217.5	8585.0	7289.7	*7238.7*	7391.7	8035.1	9435.2
42.5°	13340.8	13343.7	13224.6	12757.0	11487.2	9823.5	8287.4	*8208.0*	8205.2	8882.6	10274.2
45°	13882.2	13919.0	14097.6	14026.7	12986.6	11266.2	9565.6	*9483.4*	9344.5	9982.3	11235.0
47.5°	14134.4	14182.6	14721.1	15004.6	14298.8	12697.5	11087.6	*10914.7*	10642.6	11444.7	12309.2
50°	14108.9	14194.0	14945.0	15806.6	15489.2	14148.6	12745.7	*12663.5*	12218.5	12992.2	13372.0
52.5°	13530.7	13712.1	14959.2	16294.1	16404.7	15486.4	14460.4	*14307.3*	14091.9	14607.8	14369.7
55°	11960.6	12181.6	14361.2	16450.0	17118.9	16654.1	16138.3	*16013.5*	15656.4	16132.6	15239.8
57.5°	11107.5	11297.3	13102.8	16373.5	17725.4	17733.9	17631.9	*17529.9*	17235.1	17640.4	16260.1
60°	10594.4	10784.3	12431.0	16092.9	18275.3	18873.3	19034.9	*19023.5*	18598.4	19355.1	17456.2
62.5°	9843.4	10104.1	11731.0	15364.5	18666.4	19995.7	20483.2	*20406.6*	19933.3	21140.7	18640.9
65°	8327.0	8553.8	10296.9	14162.8	18436.8	20925.3	22053.3	*22093.0*	21546.0	22821.4	19576.2
67.5°	5838.6	6005.8	7737.5	11640.3	16878.0	21231.4	23660.4	*23657.5*	22725.1	23683.0	19162.4
70°	*3384.1*	*3613.7*	*4571.7*	*7196.2*	*13131.1*	*19839.8*	*23901.3*	*23983.5*	*22246.1*	*21883.3*	*15857.7*
72.5°	1309.4	1499.3	2590.5	3823.4	6847.6	15197.3	20559.7	*20800.6*	18618.2	16880.8	11036.6
75°	391.1	436.5	1218.7	2035.0	2749.2	7340.7	13919.0	*13987.1*	12771.2	10529.3	5657.2
77.5°	291.9	323.1	532.8	1028.8	963.6	2224.9	7201.8	*7865.1*	6779.5	3761.1	1558.8
80°	198.4	235.2	379.8	501.7	357.1	592.4	2023.7	*2222.1*	2069.0	844.6	391.1
82.5°	87.9	113.4	269.3	252.2	130.4	170.1	623.5	*663.2*	428.0	255.1	136.0
85°	8.5	11.3	102.0	110.5	48.2	39.7	130.4	*130.4*	93.5	87.9	56.7
87.5°	0.0	0.0	2.8	5.7	5.7	8.5	11.3	*14.2*	17.0	22.7	28.3
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: P643947
CATALOG NUMBER: GWS-SA6F-830-U-T3R-W-HSS

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	5580.7	5580.7	5580.7	5580.7	5580.7	5580.7	5580.7	5580.7	5580.7	5580.7	5580.7
2.5°	5631.7	5597.7	5640.2	5674.2	5682.7	5620.3	5583.5	5529.6	5518.3	5521.1	5507.0
5°	5708.2	5691.2	5722.4	5685.5	5589.2	5407.8	5251.9	5079.0	4985.5	4931.6	4925.9
7.5°	5849.9	5841.4	5807.4	5640.2	5339.7	4937.3	4549.0	4169.2	3933.9	3848.9	3834.7
10°	6059.6	6042.6	5903.8	5507.0	4866.4	4092.7	3440.8	2896.6	2565.0	2468.6	2349.6
12.5°	6300.6	6266.5	5963.3	5220.7	4152.2	3080.8	2267.4	1658.0	1371.8	1286.8	1286.8
15°	6533.0	6459.3	5929.3	4747.4	3273.6	2003.8	1266.9	958.0	870.1	847.4	847.4
17.5°	6771.0	6629.3	5796.1	4101.2	2261.7	1184.7	844.6	785.1	773.8	776.6	779.4
20°	6994.9	6773.9	5560.8	3324.6	1442.6	827.6	756.7	742.6	736.9	742.6	739.7
22.5°	7238.7	6907.1	5203.7	2477.1	938.1	745.4	719.9	708.6	702.9	711.4	711.4
25°	7479.6	7003.4	4730.4	1666.5	745.4	694.4	680.2	668.9	663.2	666.1	666.1
27.5°	7604.3	6966.6	4109.7	1062.8	668.9	643.4	629.2	615.0	606.5	603.7	606.5
30°	7689.3	6853.2	3350.1	756.7	606.5	575.4	561.2	549.8	527.2	513.0	518.7
32.5°	7822.5	6739.9	2525.3	634.9	555.5	507.3	484.7	456.3	425.1	411.0	411.0
35°	7981.3	6584.0	1771.4	572.5	501.7	450.6	408.1	360.0	323.1	311.8	311.8
37.5°	8191.0	6436.6	1179.1	530.0	456.3	402.5	342.9	286.3	246.6	240.9	238.1
40°	8505.6	6311.9	830.4	498.8	416.6	351.4	280.6	221.1	192.7	184.2	184.2
42.5°	8913.7	6184.3	657.5	467.7	382.6	303.3	223.9	175.7	153.0	147.4	144.5
45°	9418.2	6034.1	572.5	439.3	348.6	252.2	178.6	147.4	130.4	124.7	124.7
47.5°	9965.2	5830.1	532.8	402.5	308.9	204.1	150.2	127.5	119.0	116.2	113.4
50°	10503.8	5555.1	498.8	368.5	263.6	167.2	130.4	116.2	110.5	107.7	107.7
52.5°	10974.2	5234.9	456.3	328.8	215.4	144.5	116.2	107.7	102.0	96.4	93.5
55°	11376.7	4886.3	402.5	283.4	175.7	127.5	107.7	99.2	93.5	87.9	85.0
57.5°	11895.4	4687.9	323.1	229.6	144.5	113.4	99.2	90.7	85.0	76.5	76.5
60°	12470.7	4543.3	240.9	181.4	124.7	104.9	90.7	82.2	76.5	68.0	68.0
62.5°	12932.7	4327.9	189.9	147.4	107.7	93.5	82.2	73.7	68.0	59.5	59.5
65°	13108.4	3882.9	155.9	116.2	87.9	82.2	73.7	68.0	59.5	51.0	51.0
67.5°	12314.8	2993.0	130.4	93.5	73.7	70.9	65.2	62.4	51.0	45.3	42.5
70°	*9752.7*	*1825.3*	*107.7*	*76.5*	*62.4*	*59.5*	*59.5*	*53.9*	*45.3*	*42.5*	*39.7*
72.5°	6683.2	941.0	87.9	62.4	53.9	53.9	51.0	48.2	42.5	39.7	39.7
75°	3472.0	314.6	68.0	48.2	42.5	45.3	45.3	42.5	39.7	39.7	36.8
77.5°	994.8	141.7	51.0	36.8	34.0	34.0	36.8	36.8	36.8	34.0	34.0
80°	257.9	82.2	36.8	28.3	28.3	28.3	28.3	31.2	34.0	31.2	31.2
82.5°	104.9	45.3	25.5	22.7	22.7	22.7	22.7	25.5	28.3	28.3	28.3
85°	65.2	22.7	19.8	19.8	19.8	17.0	17.0	19.8	19.8	22.7	22.7
87.5°	39.7	17.0	17.0	17.0	17.0	14.2	14.2	14.2	14.2	14.2	14.2
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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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

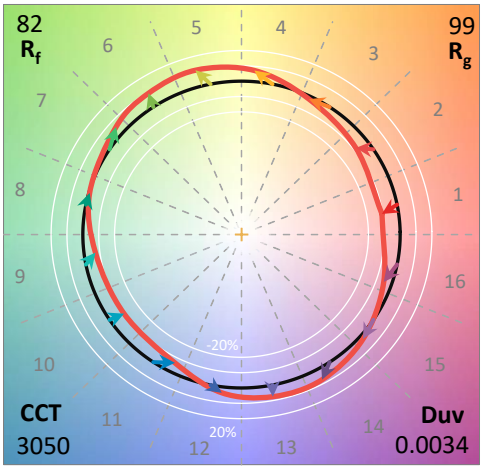
Test Information

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

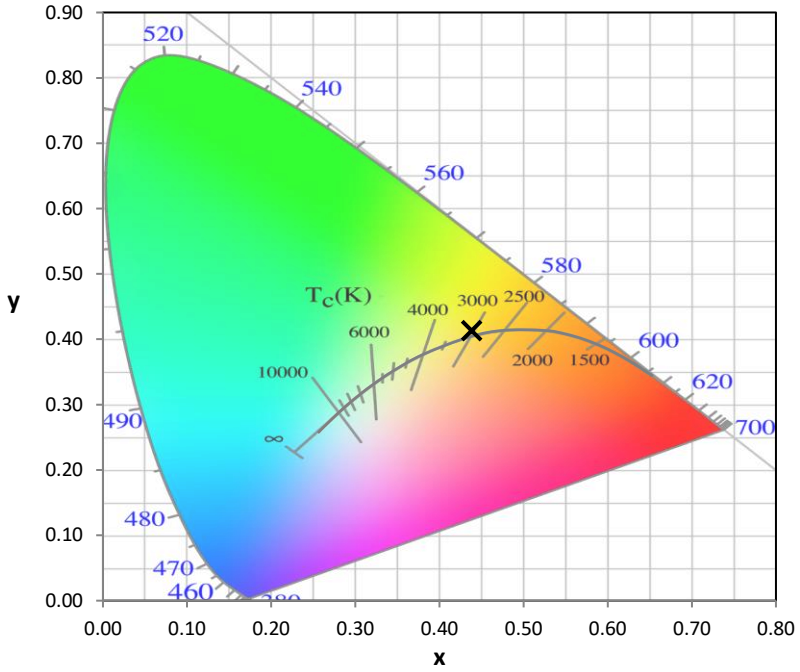
Stabilization Time:	20M
Operation Time:	1H 20M
Sphere Temperature (°C):	24.2

REPORT NUMBER: SP1-2408-195-9

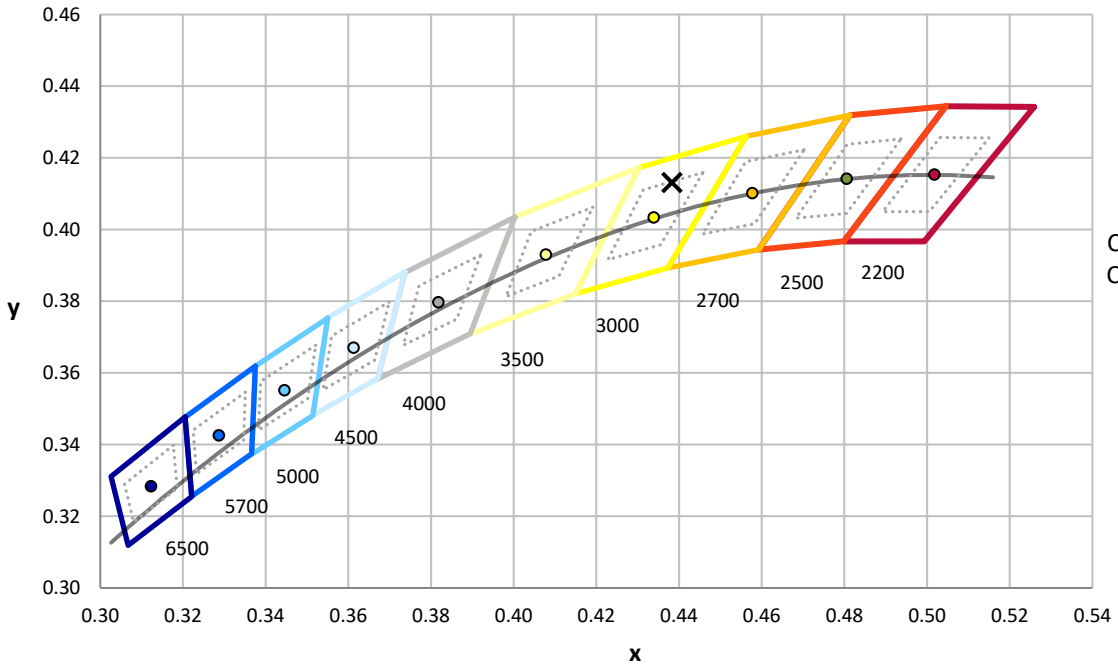
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

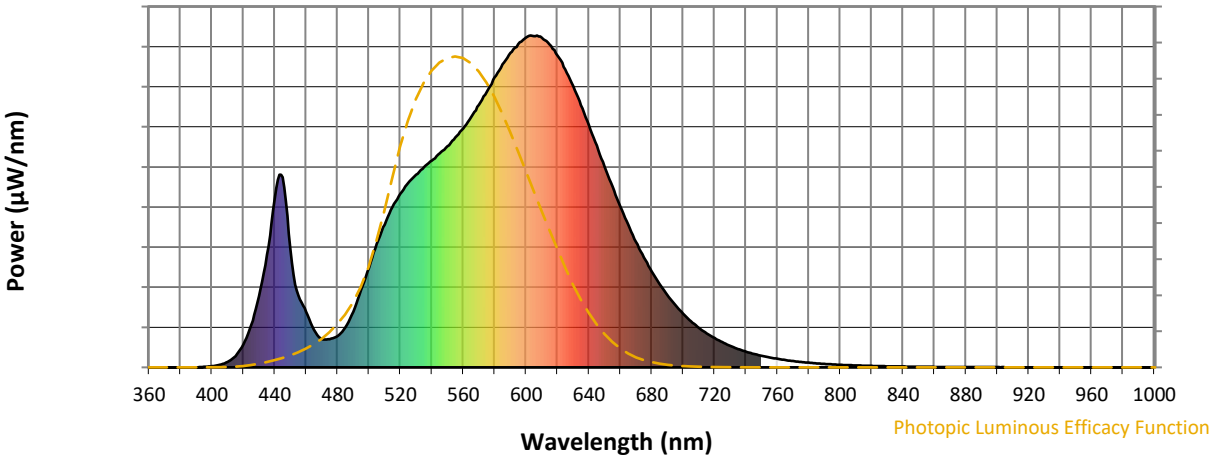


CCT = 3050K
CIE x = 0.4383
CIE y = 0.4131
Duv = 0.0034

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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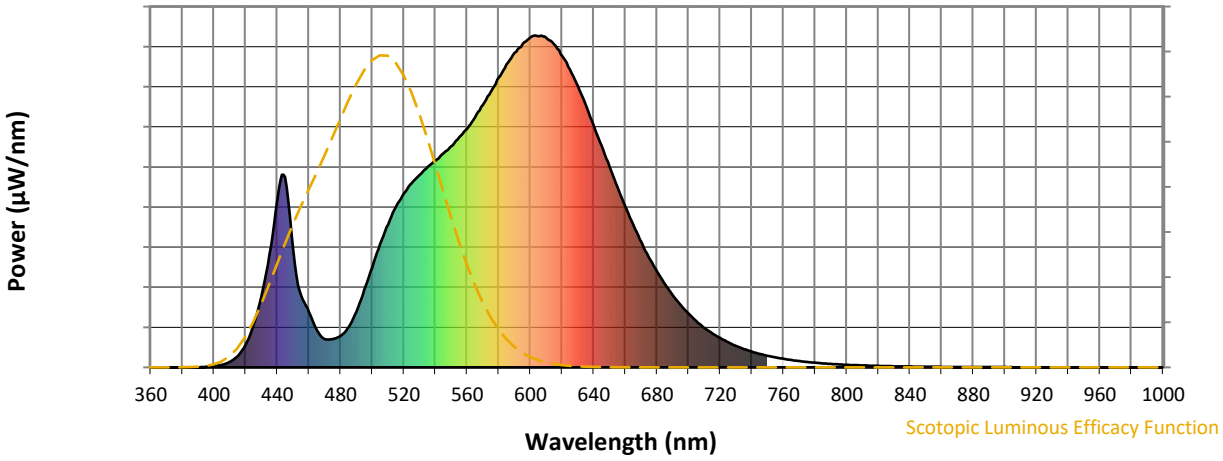
Scotopic Flux vs. Wavelength



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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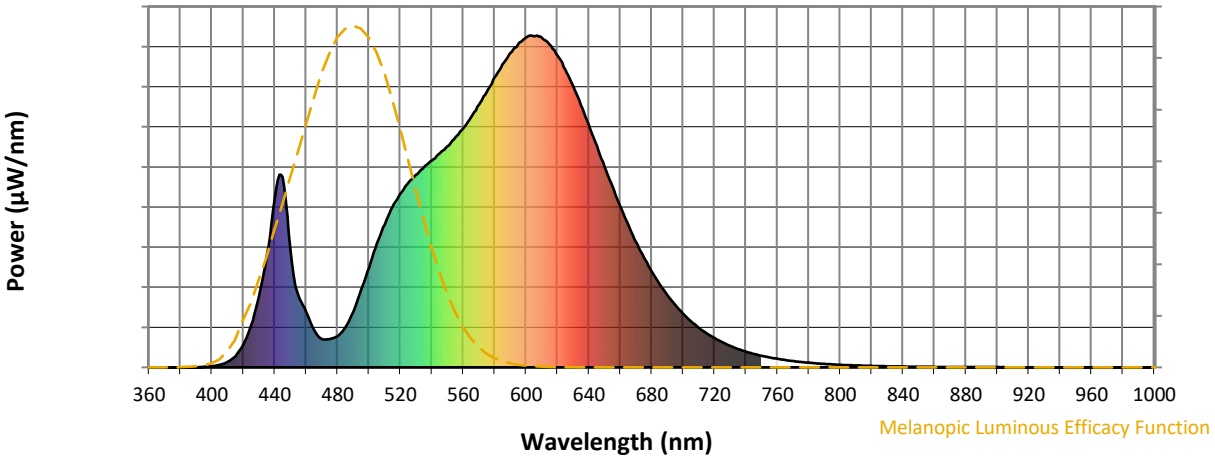
Melanopic Flux vs. Wavelength



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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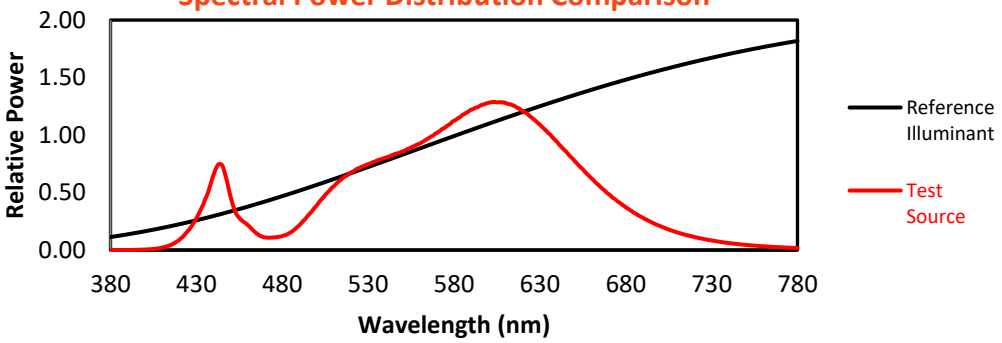
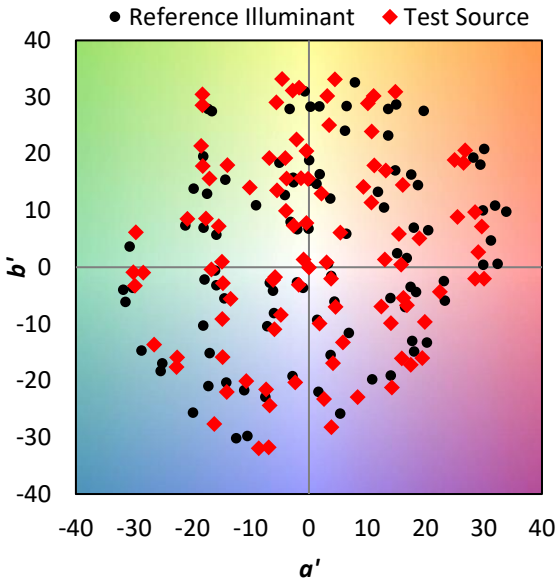
Summary

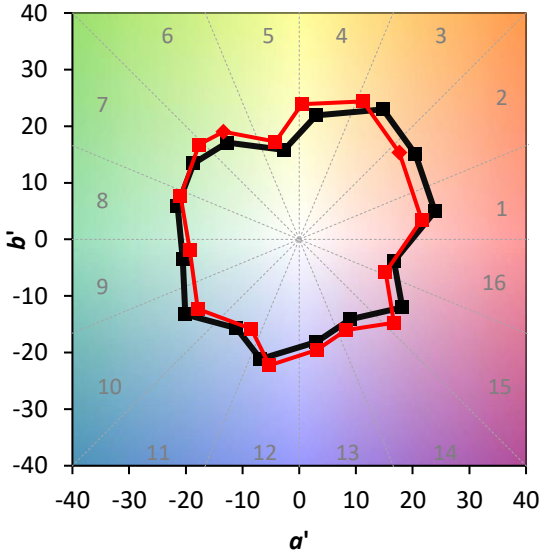
R_f = 81.5
R_g = 99.2
CIE R_a = 81.0
R_9 = 7.1

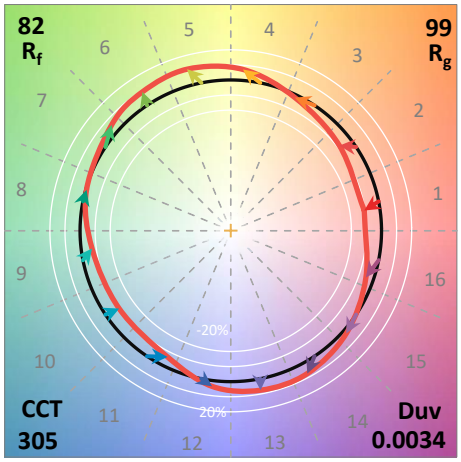
Spectral Power Distribution Comparison

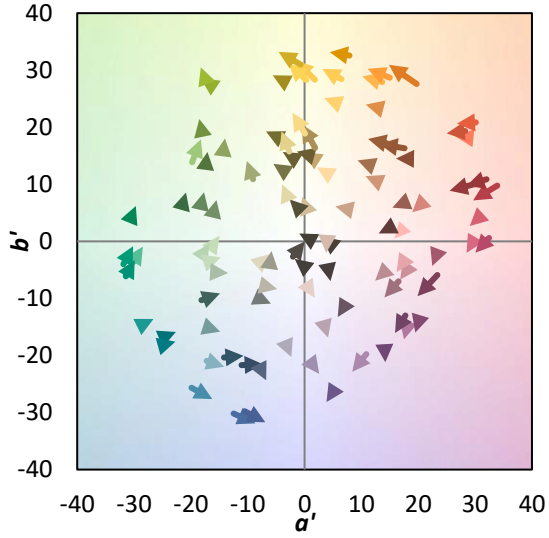


Color Vector Graphics









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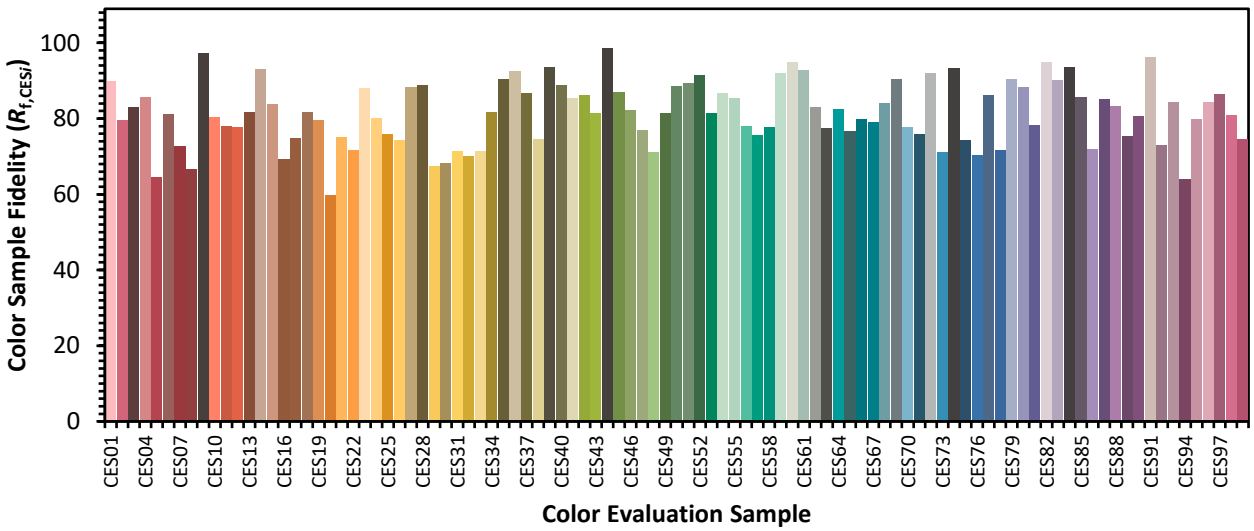
Individual Sample Fidelity Index ($R_{f,i}$)

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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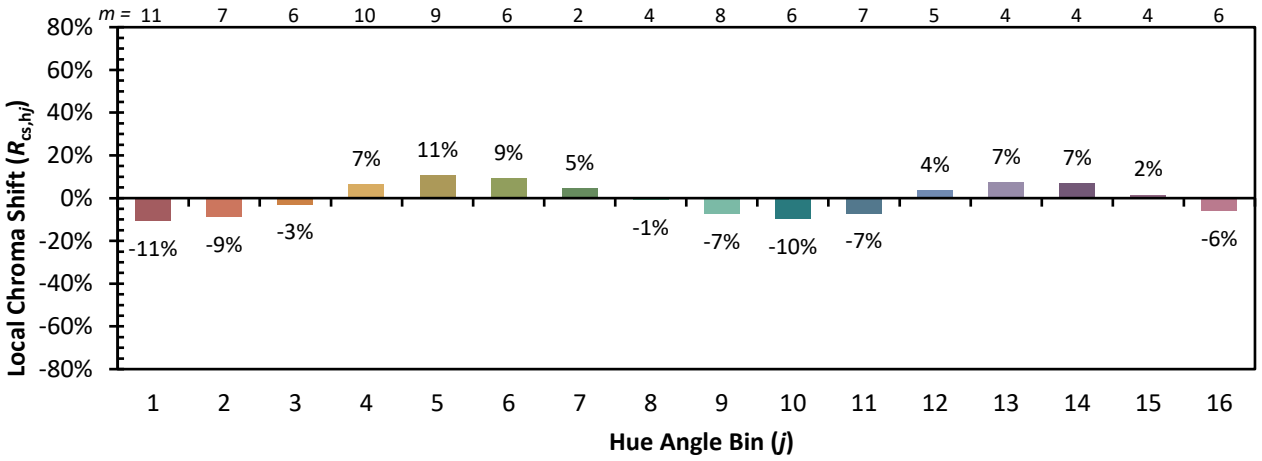
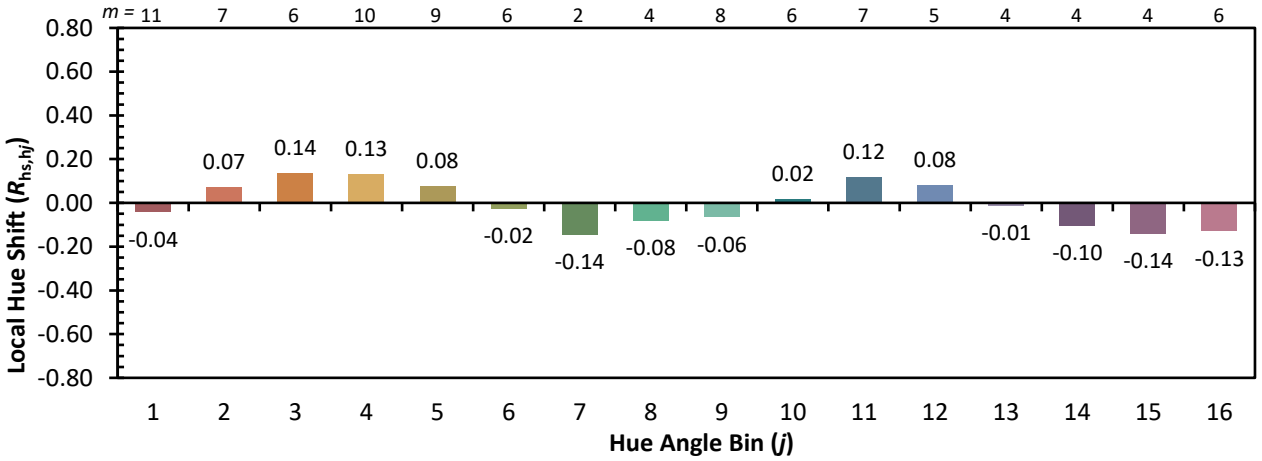
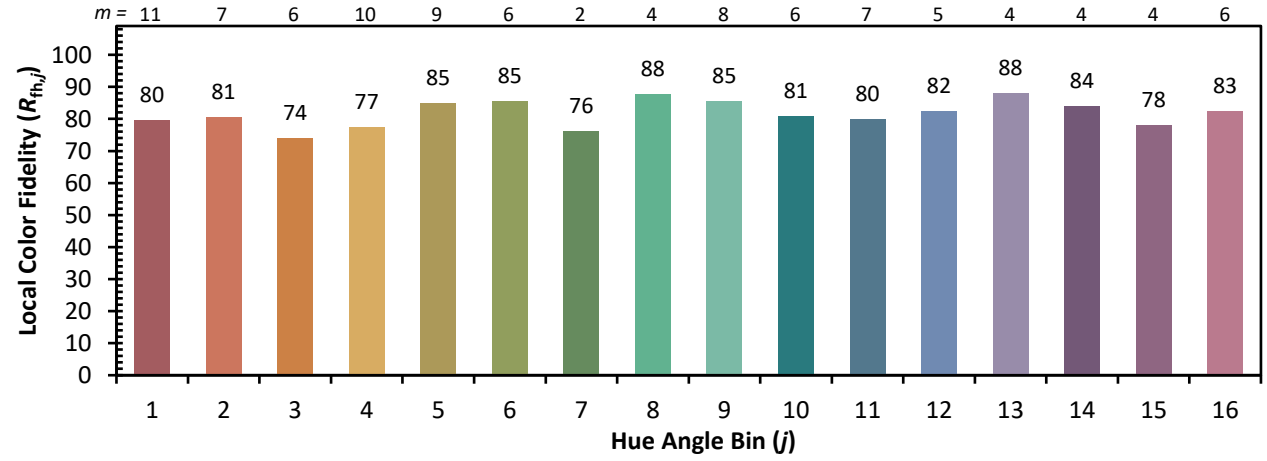
Color Rendition by Hue-Angle Bin







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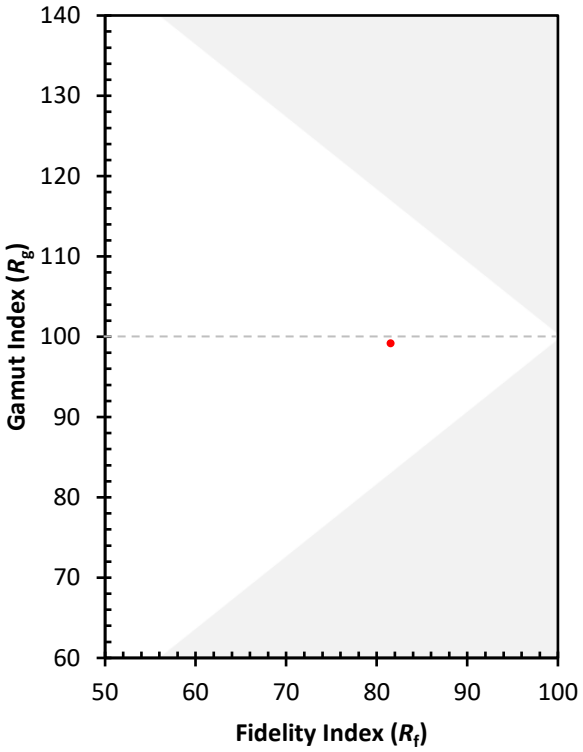
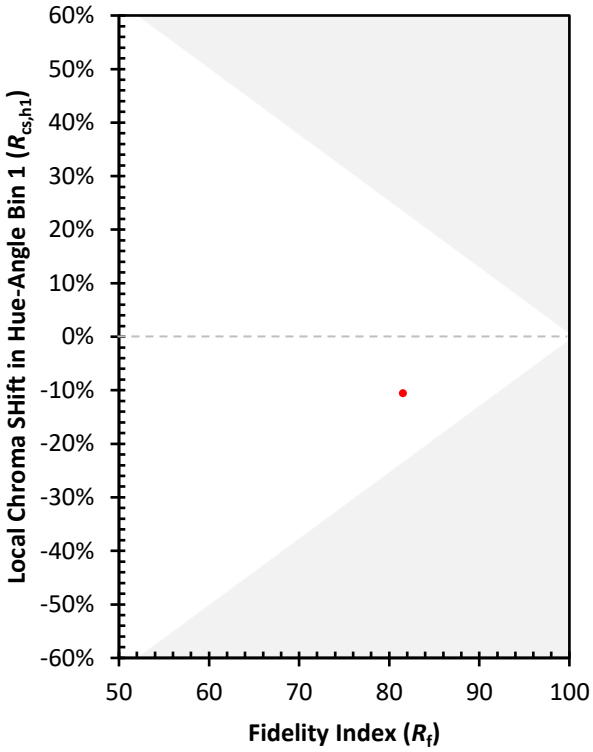
Measure Comparisons





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