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: P642431

Luminaire Tested: GWS-SA6C-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:	P642431
	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-SA6C-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:	17880.9 lumens
Efficiency:	N/A
Efficacy:	94.5 lumens/watt
Luminous Opening:	Rectangular (W 2' x L: 1' x H: 0')
IES Classification:	Type II - Short
BUG Rating:	B2 - U0 - G3

Input Watts (W):	189.2
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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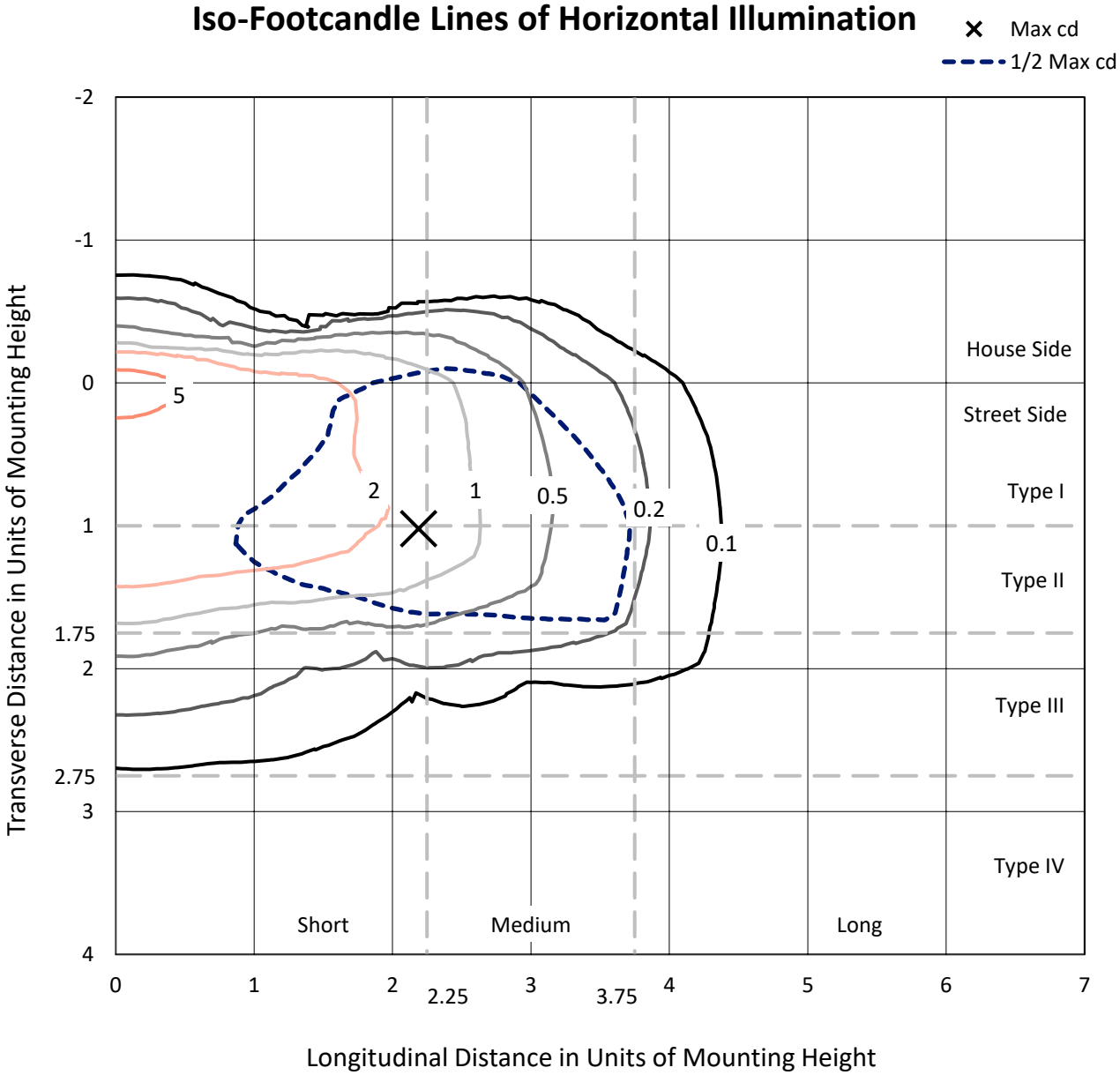
Scaled Data Report

REPORT NUMBER: P642431
CATALOG NUMBER: GWS-SA6C-830-U-SL2-W-HSS

Iso-Footcandle Lines of Horizontal Illumination



Based on 25 foot mounting height. Maximum calculated value = 6.9 fc
Type II - Short - N/A

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REPORT NUMBER: P642431
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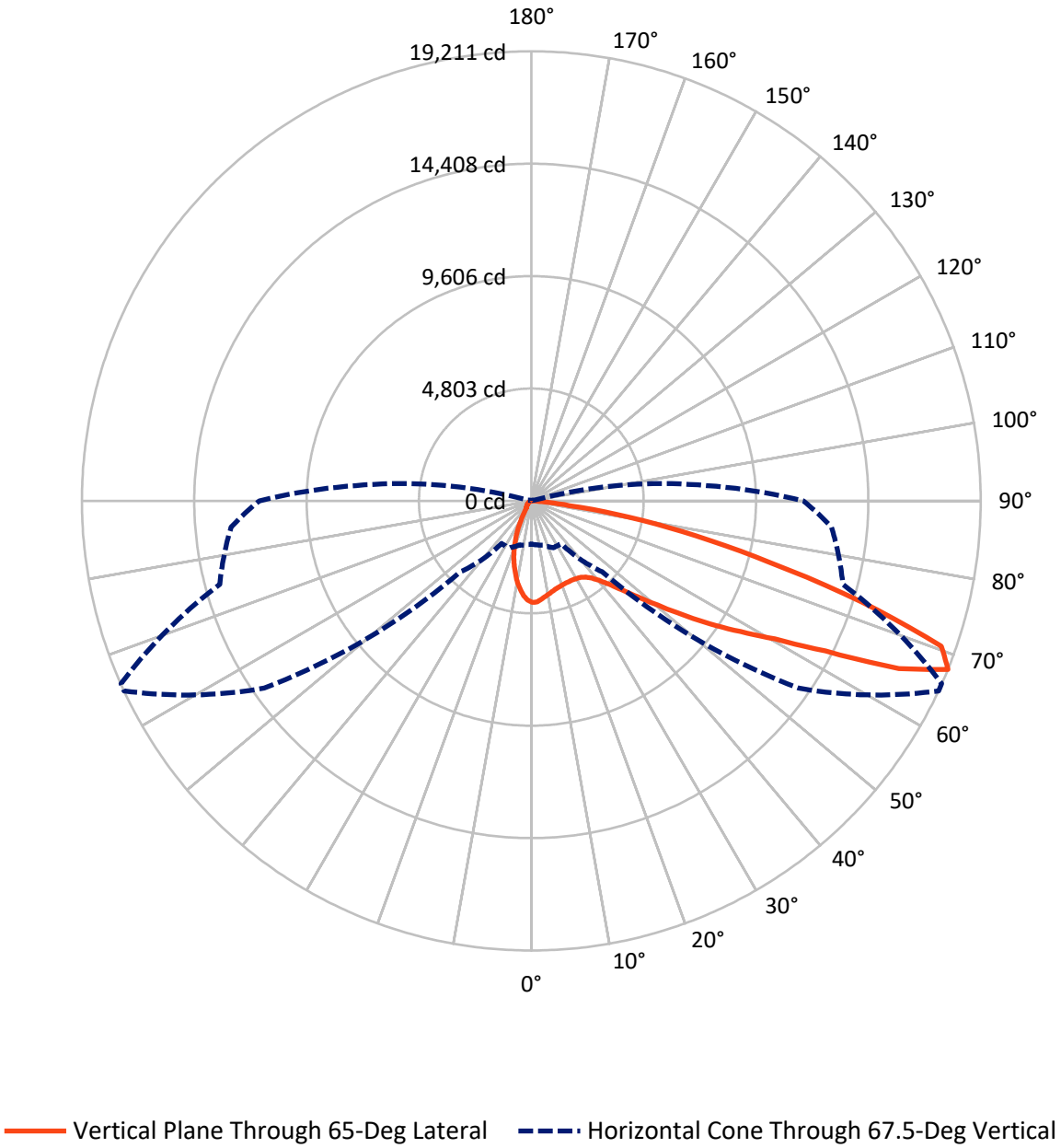
Luminous Intensity Polar Plot



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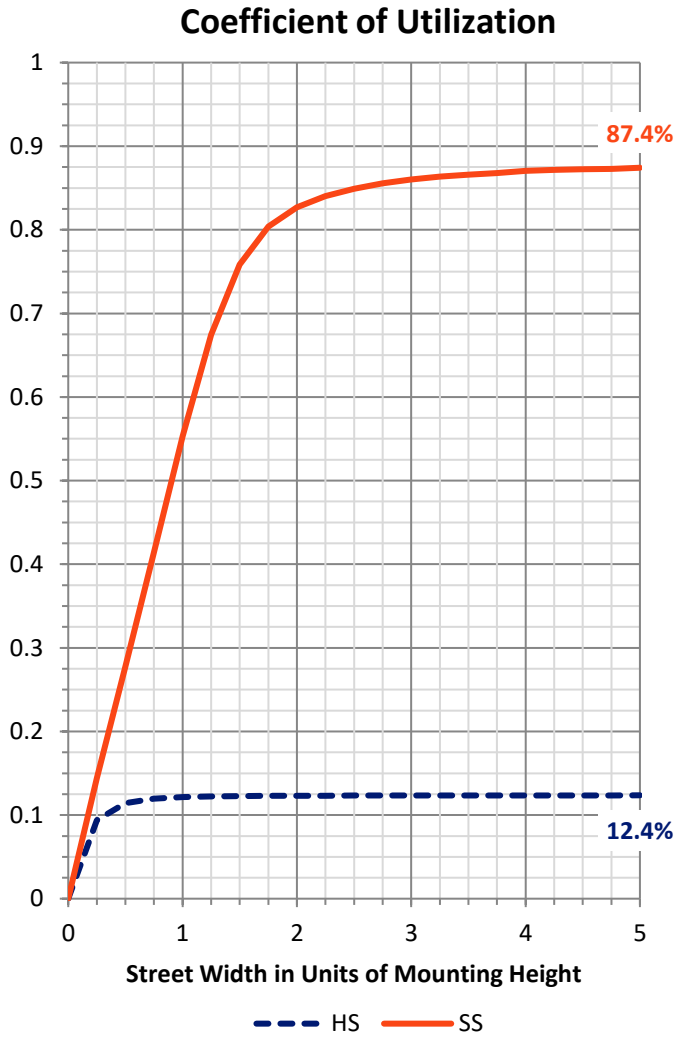
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2232.8	0.0	2232.8
	% Fixture	12.5	0.0	12.5
Street Side	Lumens	15648.1	0.0	15648.1
	% Fixture	87.5	0.0	87.5
Total	Lumens	17880.9	0.0	17880.9
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	360.2	2.0
10°-20°	809.7	4.5
20°-30°	1157.0	6.5
30°-40°	1683.3	9.4
40°-50°	2636.3	14.7
50°-60°	4112.7	23.0
60°-70°	4517.5	25.3
70°-80°	2404.2	13.4
80°-90°	200.2	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°	17880.9	100.0
0°-180°	17880.9	100.0



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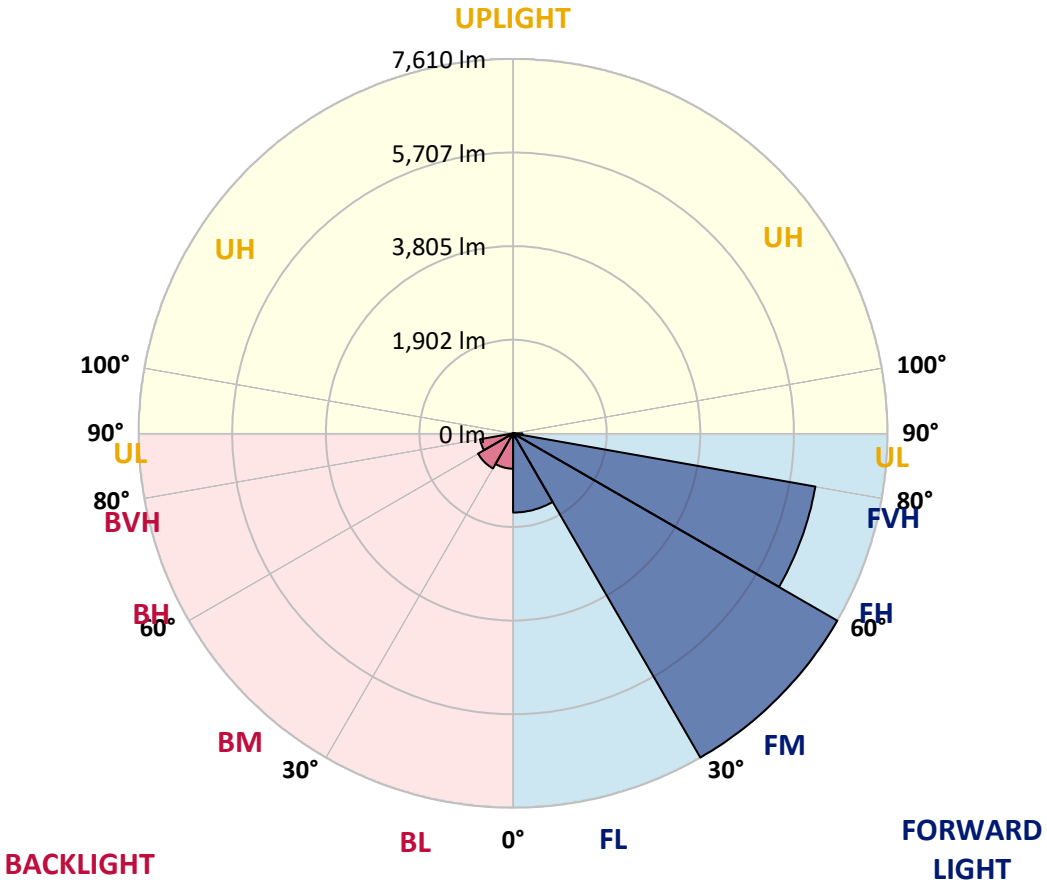
REPORT NUMBER: P642431
CATALOG NUMBER: GWS-SA6C-830-U-SL2-W-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	1609.2	9.0			
FM	(30°-60°)	7609.7	42.6			
FH	(60°-80°)	6239.7	34.9			G3/7500
FVH	(80°-90°)	189.5	1.1			G2/225
BL	(0°-30°)	717.7	4.0	B2/1000		
BM	(30°-60°)	822.4	4.6	B1/1000		
BH	(60°-80°)	682.0	3.8	B2/1000		G2/1000
BVH	(80°-90°)	10.7	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-G3
Type II Short



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Scaled Data Report

REPORT NUMBER: P642431
CATALOG NUMBER: GWS-SA6C-830-U-SL2-W-HSS

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	66°	75°	85°
0°	4336.7	4336.7	4336.7	4336.7	4336.7	4336.7	4336.7	4336.7	4336.7	4336.7	4336.7
2.5°	4186.3	4199.2	4181.5	4225.1	4233.2	4281.7	4309.2	4328.6	4327.0	4351.2	4351.2
5°	3940.5	3953.5	3943.8	3990.7	4027.8	4103.8	4166.9	4239.7	4242.9	4317.3	4344.8
7.5°	3731.9	3733.6	3733.6	3791.8	3840.3	3934.1	4027.8	4139.4	4152.3	4267.2	4339.9
10°	3560.5	3565.4	3567.0	3633.3	3686.7	3799.9	3919.5	4053.7	4068.3	4223.5	4336.7
12.5°	3442.5	3444.1	3450.6	3520.1	3578.3	3696.4	3817.6	3971.2	3990.7	4173.4	4322.1
15°	3385.9	3382.7	3385.9	3444.1	3502.3	3615.5	3740.0	3905.0	3926.0	4131.3	4323.7
17.5°	3382.7	3377.8	3374.6	3418.2	3455.4	3555.7	3681.8	3861.3	3883.9	4111.9	4341.5
20°	3429.6	3426.3	3410.2	3429.6	3437.7	3520.1	3644.6	3827.3	3850.0	4108.7	4380.3
22.5°	3552.5	3544.4	3520.1	3502.3	3458.7	3507.2	3618.8	3803.1	3829.0	4116.8	4430.5
25°	3735.2	3731.9	3701.2	3657.6	3546.0	3526.6	3620.4	3803.1	3827.3	4126.5	4483.8
27.5°	4010.1	3990.7	3951.8	3875.8	3715.8	3602.6	3652.7	3812.8	3837.0	4139.4	4527.5
30°	4289.8	4288.2	4275.2	4197.6	3959.9	3748.1	3720.6	3838.7	3861.3	4150.7	4567.9
32.5°	4579.2	4584.1	4616.4	4556.6	4296.3	3964.8	3843.5	3892.0	3908.2	4173.4	4603.5
35°	4854.1	4863.8	4949.5	4970.5	4705.3	4293.0	4044.0	3998.7	4000.4	4223.5	4650.4
37.5°	5117.7	5150.0	5287.5	5389.3	5214.7	4690.8	4333.4	4179.8	4166.9	4323.7	4721.5
40°	5416.8	5478.3	5651.3	5824.3	5769.3	5216.3	4728.0	4458.0	4430.5	4508.1	4849.3
42.5°	5748.3	5814.6	6044.2	6286.7	6312.6	5851.8	5221.2	4863.8	4816.9	4818.5	5088.6
45°	6104.0	6192.9	6459.7	6809.0	6965.9	6560.0	5829.1	5412.0	5365.1	5295.5	5473.4
47.5°	6571.3	6648.9	6906.0	7308.7	7609.4	7320.0	6626.3	6117.0	6031.3	5929.4	6071.7
50°	6973.9	7041.9	7263.4	7767.9	8393.6	8299.8	7530.2	6998.2	6915.7	6742.7	6860.8
52.5°	7062.9	7116.2	7320.0	7887.5	8993.5	9536.8	8637.8	8063.8	8005.6	7685.4	7730.7
55°	6663.5	6744.3	6927.0	7557.7	9150.4	10746.3	10075.3	9265.2	9143.9	8632.9	8713.8
57.5°	5654.5	5798.4	5969.8	6789.6	8725.1	11389.9	12083.5	10537.7	10427.8	9544.9	9546.5
60°	4144.3	4260.7	4375.5	5125.8	7716.1	11346.2	13905.8	11967.1	11766.6	10290.3	10262.8
62.5°	3014.0	3073.8	3072.2	3339.0	5298.8	10599.2	14863.1	14120.9	13653.6	11087.5	10930.6
65°	2370.5	2368.8	2438.4	2525.7	2959.0	8181.8	14981.1	17265.9	16761.4	12156.3	11829.7
67.5°	1844.9	1880.5	1950.1	2207.1	2223.3	4281.7	13943.0	19211.1	19201.4	13787.8	12882.3
70°	1422.9	1471.4	1570.1	1945.2	2053.5	2396.3	10432.6	18595.0	18751.9	14517.0	12136.9
72.5°	913.6	910.3	1055.9	1571.7	1972.7	1996.9	5769.3	14770.9	14948.8	13149.1	9813.3
75°	511.0	514.2	596.7	962.1	1838.5	1878.9	2857.2	10532.9	10673.5	10251.5	7539.9
77.5°	200.5	207.0	279.7	506.1	1212.7	1678.4	1697.8	7182.5	7203.5	6353.0	4624.5
80°	80.8	85.7	142.3	313.7	738.9	1130.3	1212.7	4231.6	4145.9	2459.4	1345.3
82.5°	24.3	25.9	56.6	177.9	386.5	803.6	818.2	1623.4	1532.9	528.7	342.8
85°	1.6	1.6	12.9	55.0	137.4	202.1	544.9	528.7	468.9	132.6	152.0
87.5°	0.0	0.0	1.6	1.6	3.2	6.5	58.2	97.0	98.6	24.3	67.9
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: P642431
CATALOG NUMBER: GWS-SA6C-830-U-SL2-W-HSS

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	4336.7	4336.7	4336.7	4336.7	4336.7	4336.7	4336.7	4336.7	4336.7	4336.7	4336.7
2.5°	4351.2	4293.0	4288.2	4242.9	4197.6	4141.0	4074.7	4026.2	3992.3	3932.4	3921.1
5°	4344.8	4267.2	4194.4	4065.0	3921.1	3765.9	3630.1	3503.9	3424.7	3371.4	3348.7
7.5°	4331.8	4233.2	4065.0	3820.9	3579.9	3308.3	3096.5	2902.4	2769.8	2692.2	2658.3
10°	4322.1	4189.5	3916.3	3546.0	3172.5	2797.3	2475.6	2187.7	2027.7	1901.5	1880.5
12.5°	4302.7	4126.5	3725.5	3224.2	2742.4	2244.3	1833.6	1481.1	1237.0	1127.0	1088.2
15°	4283.3	4060.2	3534.7	2884.7	2273.4	1659.0	1161.0	821.4	653.3	601.5	598.3
17.5°	4280.1	4000.4	3327.7	2562.9	1781.9	1086.6	661.3	532.0	496.4	483.5	483.5
20°	4289.8	3950.2	3124.0	2192.6	1298.4	661.3	493.2	460.8	439.8	428.5	428.5
22.5°	4299.5	3898.5	2928.3	1819.1	861.8	483.5	435.0	407.5	383.2	370.3	363.8
25°	4306.0	3841.9	2711.6	1443.9	562.7	420.4	381.6	346.0	316.9	300.8	300.8
27.5°	4304.3	3774.0	2493.3	1076.9	436.6	373.5	326.6	289.4	260.3	242.5	244.2
30°	4291.4	3699.6	2267.0	751.9	381.6	326.6	279.7	240.9	211.8	197.3	195.7
32.5°	4281.7	3620.4	2005.0	528.7	342.8	286.2	237.7	200.5	176.2	164.9	163.3
35°	4270.4	3542.8	1756.0	402.6	308.8	247.4	200.5	169.8	150.4	140.7	140.7
37.5°	4273.6	3461.9	1486.0	346.0	274.9	215.1	171.4	145.5	129.4	119.7	118.0
40°	4323.7	3413.4	1220.8	313.7	244.2	186.0	148.8	126.1	110.0	100.3	98.6
42.5°	4448.3	3415.0	966.9	289.4	216.7	158.5	129.4	108.3	93.8	82.5	80.8
45°	4697.3	3482.9	742.2	263.6	187.6	137.4	111.6	92.2	77.6	67.9	66.3
47.5°	5104.7	3685.0	562.7	240.9	163.3	119.7	95.4	77.6	64.7	56.6	55.0
50°	5753.1	4050.5	443.0	213.4	137.4	103.5	80.8	64.7	53.4	45.3	43.7
52.5°	6532.5	4598.6	380.0	189.2	118.0	90.5	69.5	53.4	43.7	37.2	35.6
55°	7428.3	5253.5	350.9	164.9	100.3	77.6	56.6	43.7	35.6	30.7	27.5
57.5°	8249.7	5843.7	349.3	140.7	85.7	66.3	46.9	37.2	30.7	24.3	22.6
60°	9050.1	6336.9	328.2	116.4	74.4	55.0	40.4	30.7	25.9	21.0	19.4
62.5°	9776.1	6737.9	274.9	93.8	63.1	45.3	34.0	27.5	22.6	17.8	17.8
65°	10688.1	7248.8	210.2	76.0	51.7	37.2	29.1	24.3	21.0	16.2	16.2
67.5°	*11630.8*	*7518.9*	*150.4*	*63.1*	*42.0*	*32.3*	*25.9*	*22.6*	*17.8*	*14.6*	*14.6*
70°	10534.5	6353.0	108.3	51.7	35.6	27.5	22.6	21.0	17.8	14.6	12.9
72.5°	8227.1	4580.8	80.8	40.4	30.7	25.9	21.0	19.4	16.2	12.9	12.9
75°	6100.8	2671.2	61.4	32.3	24.3	21.0	21.0	19.4	16.2	12.9	11.3
77.5°	3316.4	931.4	46.9	25.9	19.4	16.2	17.8	17.8	14.6	11.3	9.7
80°	878.0	255.5	32.3	19.4	16.2	12.9	12.9	16.2	12.9	9.7	9.7
82.5°	255.5	74.4	22.6	16.2	12.9	11.3	11.3	11.3	9.7	8.1	6.5
85°	124.5	27.5	16.2	12.9	11.3	9.7	8.1	8.1	6.5	4.9	4.9
87.5°	55.0	11.3	12.9	11.3	11.3	8.1	6.5	4.9	4.9	3.2	1.6
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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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

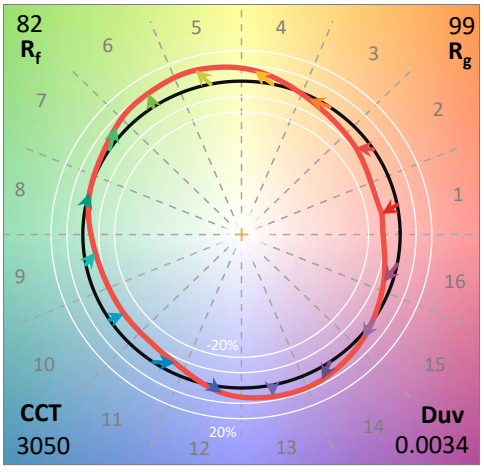
Test Information

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

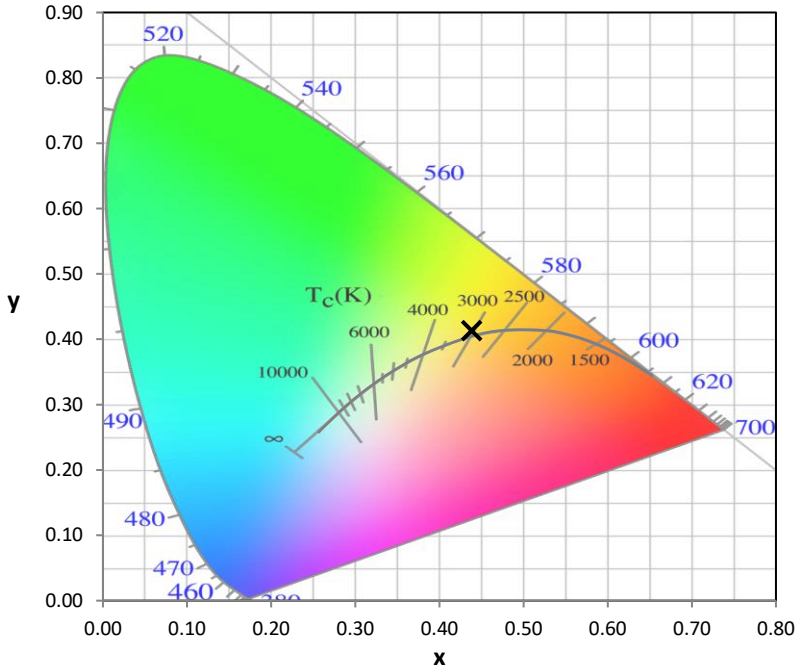
Stabilization Time:	20M
Operation Time:	1H 20M
Sphere Temperature (°C):	24.2

REPORT NUMBER: SP1-2408-195-9

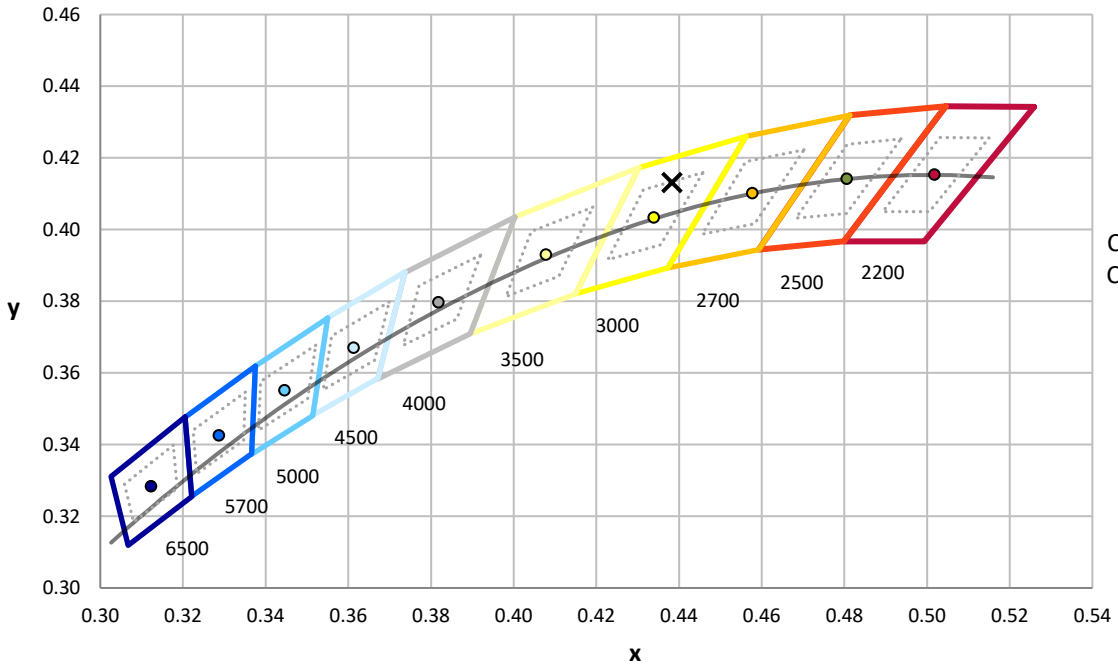
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

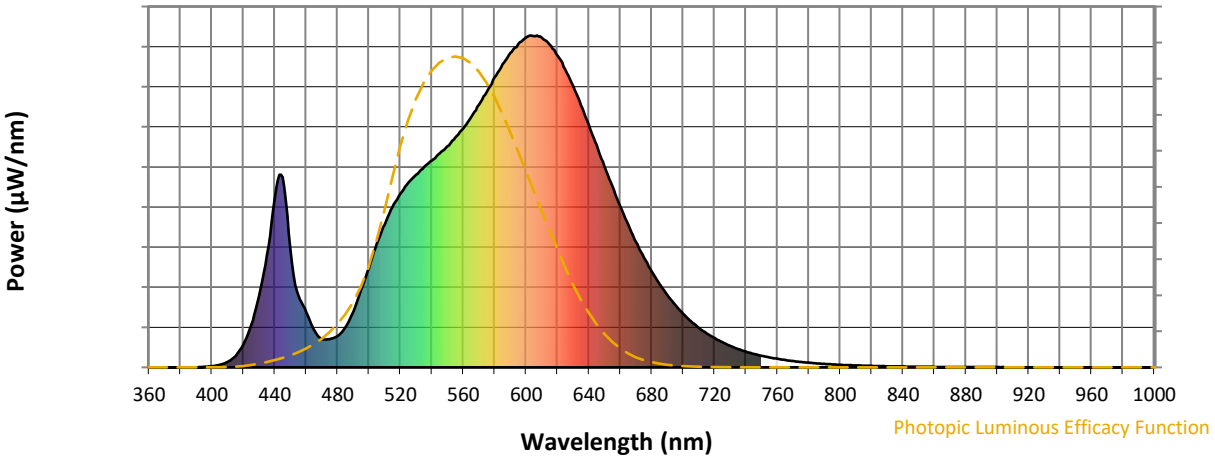


CCT = 3050K
CIE x = 0.4383
CIE y = 0.4131
Duv = 0.0034

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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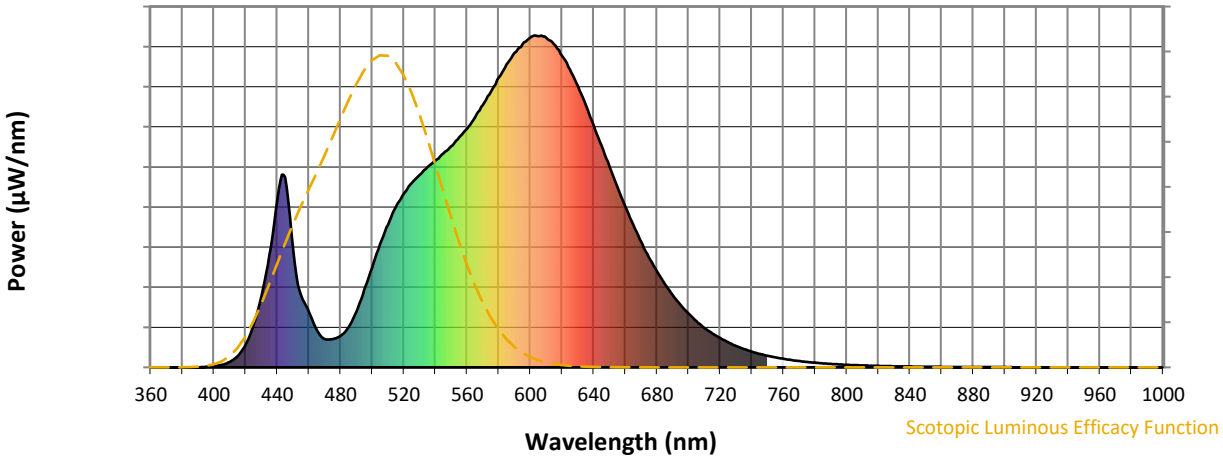
Scotopic Flux vs. Wavelength



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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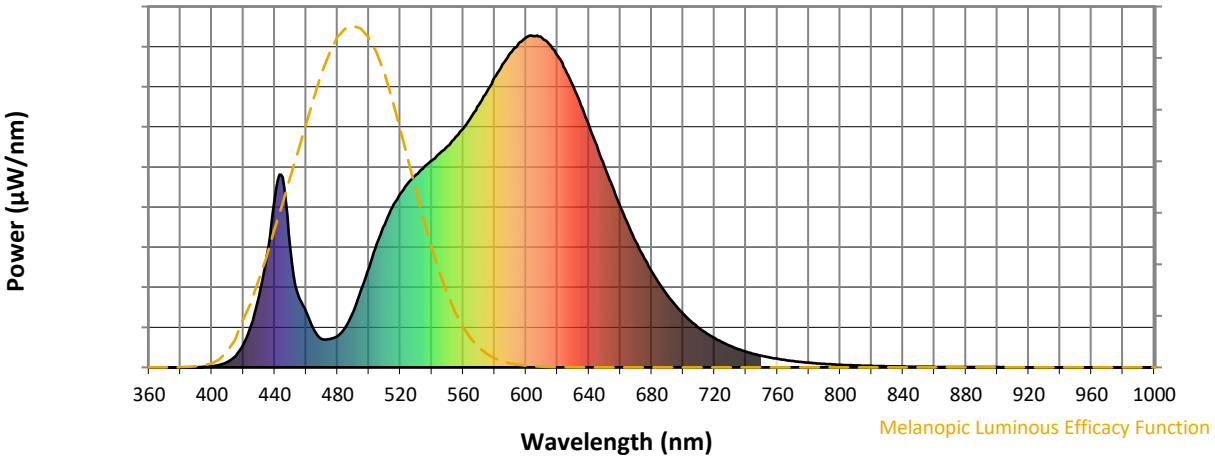
Melanopic Flux vs. Wavelength



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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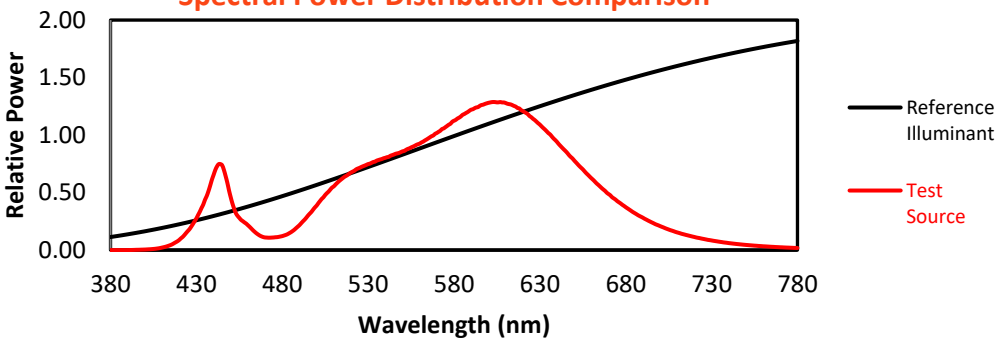
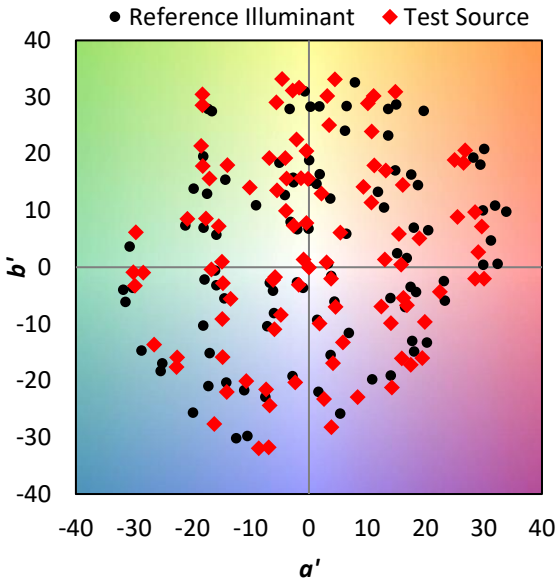
Summary

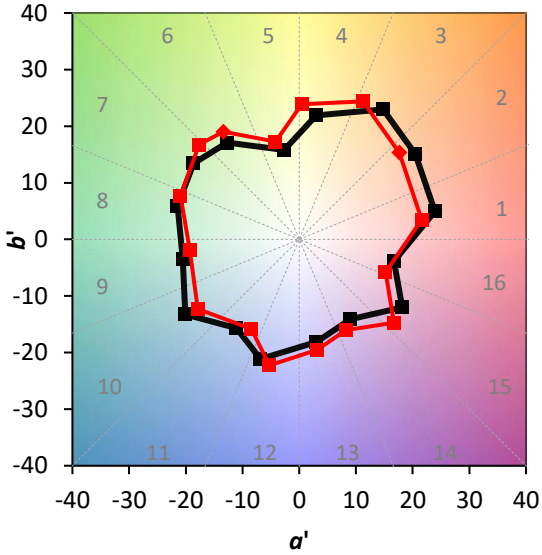
R_f = 81.5
R_g = 99.2
CIE R_a = 81.0
R_9 = 7.1

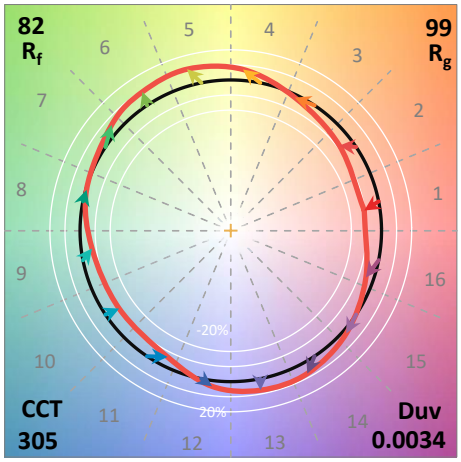
Spectral Power Distribution Comparison

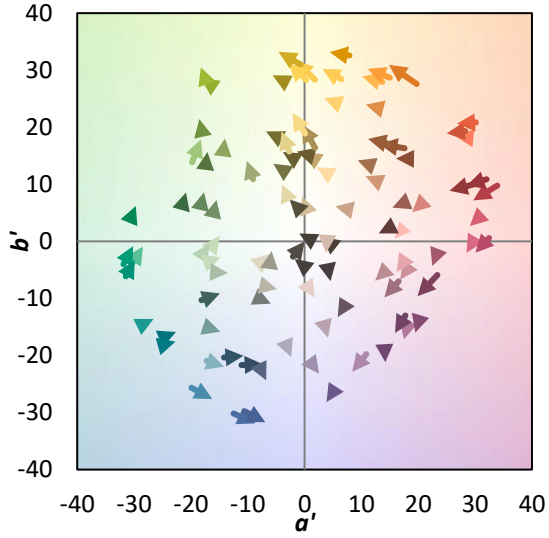


Color Vector Graphics









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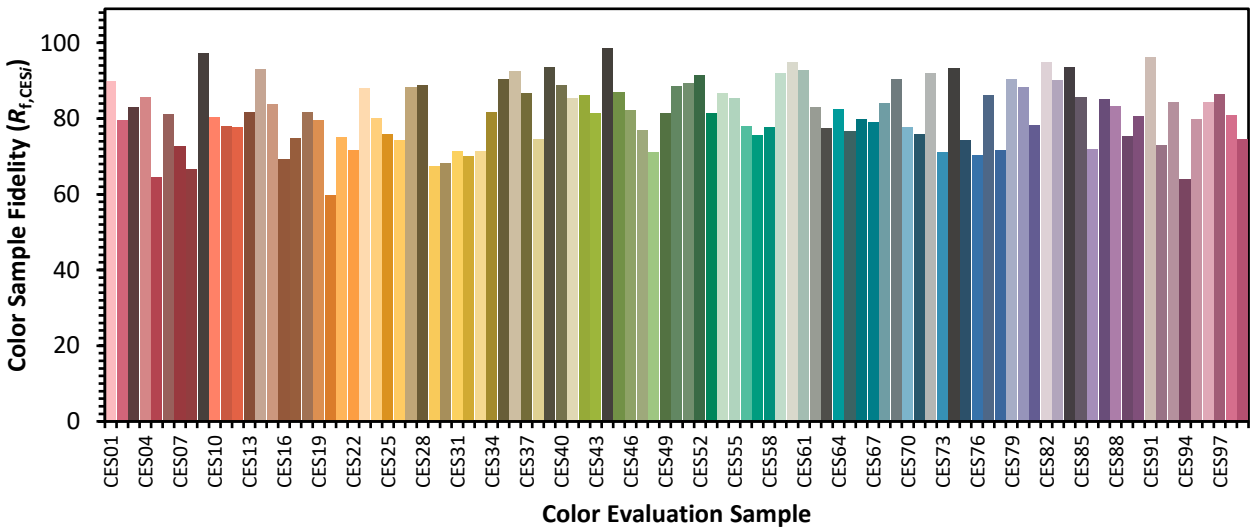
Individual Sample Fidelity Index ($R_{f,i}$)

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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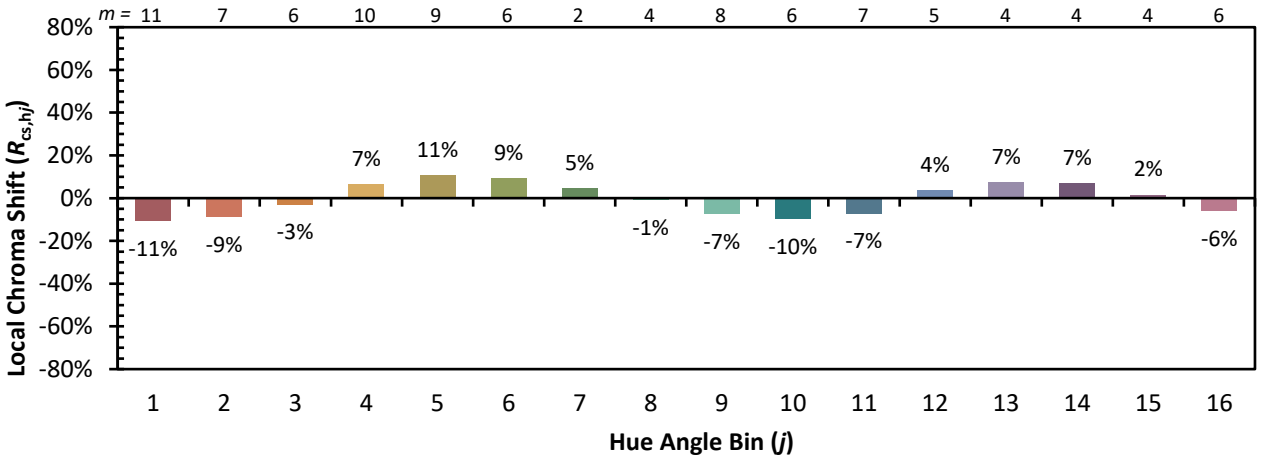
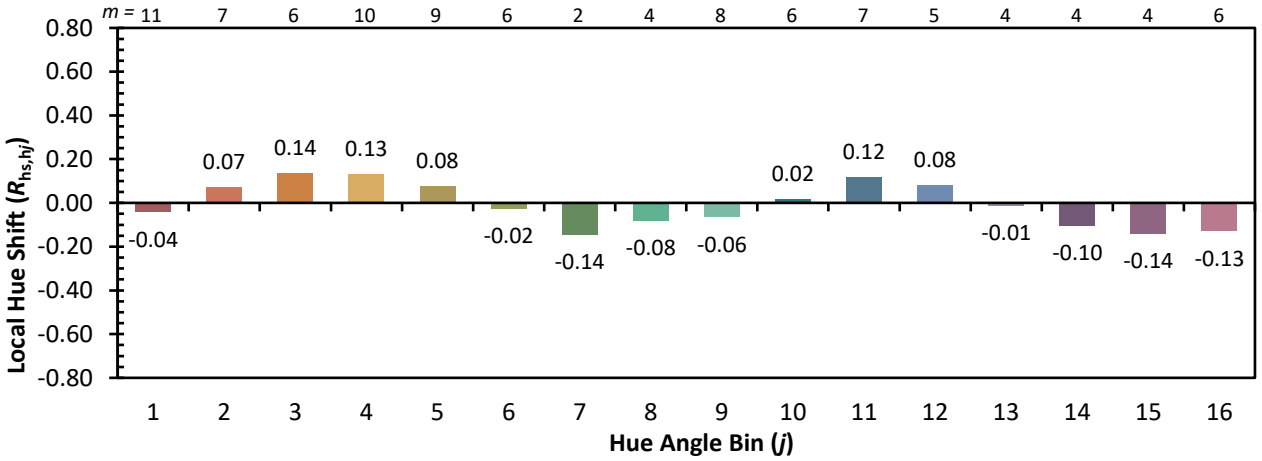
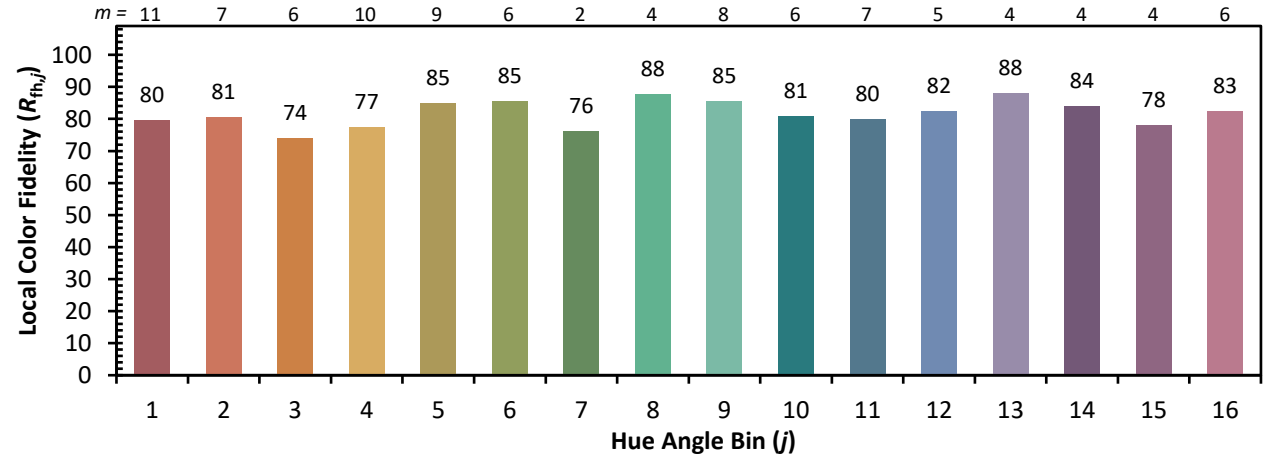
Color Rendition by Hue-Angle Bin







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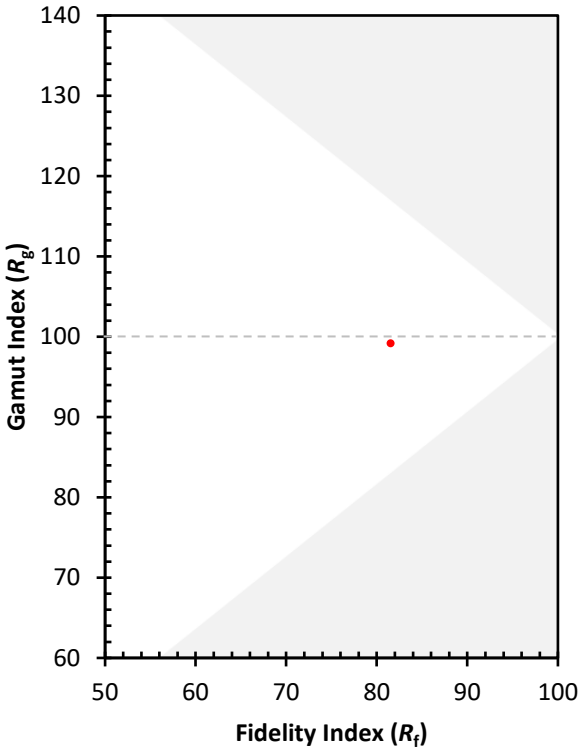
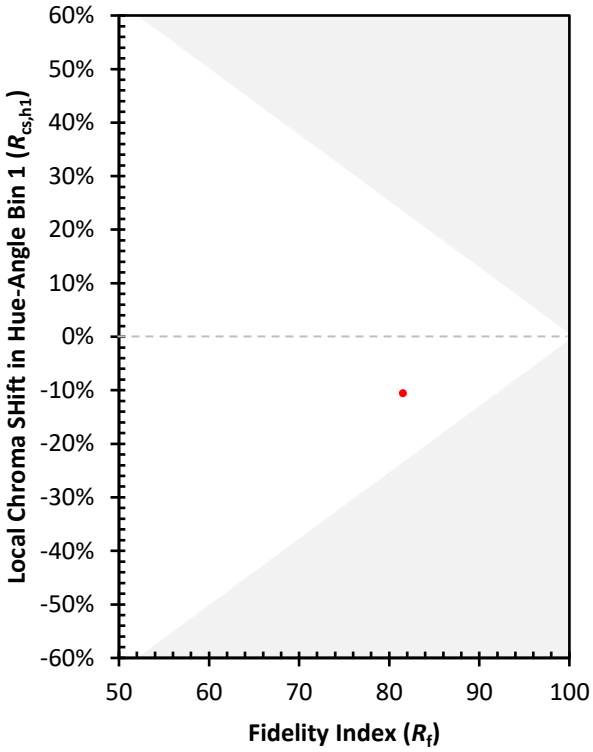
Measure Comparisons





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