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: P629579

Luminaire Tested: GWS-SA1B-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:	P629579
	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-SA1B-830-U-T1-W
Description:	GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE I OPTICS
Light Source:	(16) 3000K CCT, 80 CRI LEDS
Ballast/Driver:	-

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	2841.9 lumens
Efficiency:	N/A
Efficacy:	113.7 lumens/watt
Luminous Opening:	Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification:	Type I - Medium
BUG Rating:	B1 - U0 - G1

Input Watts (W):	25
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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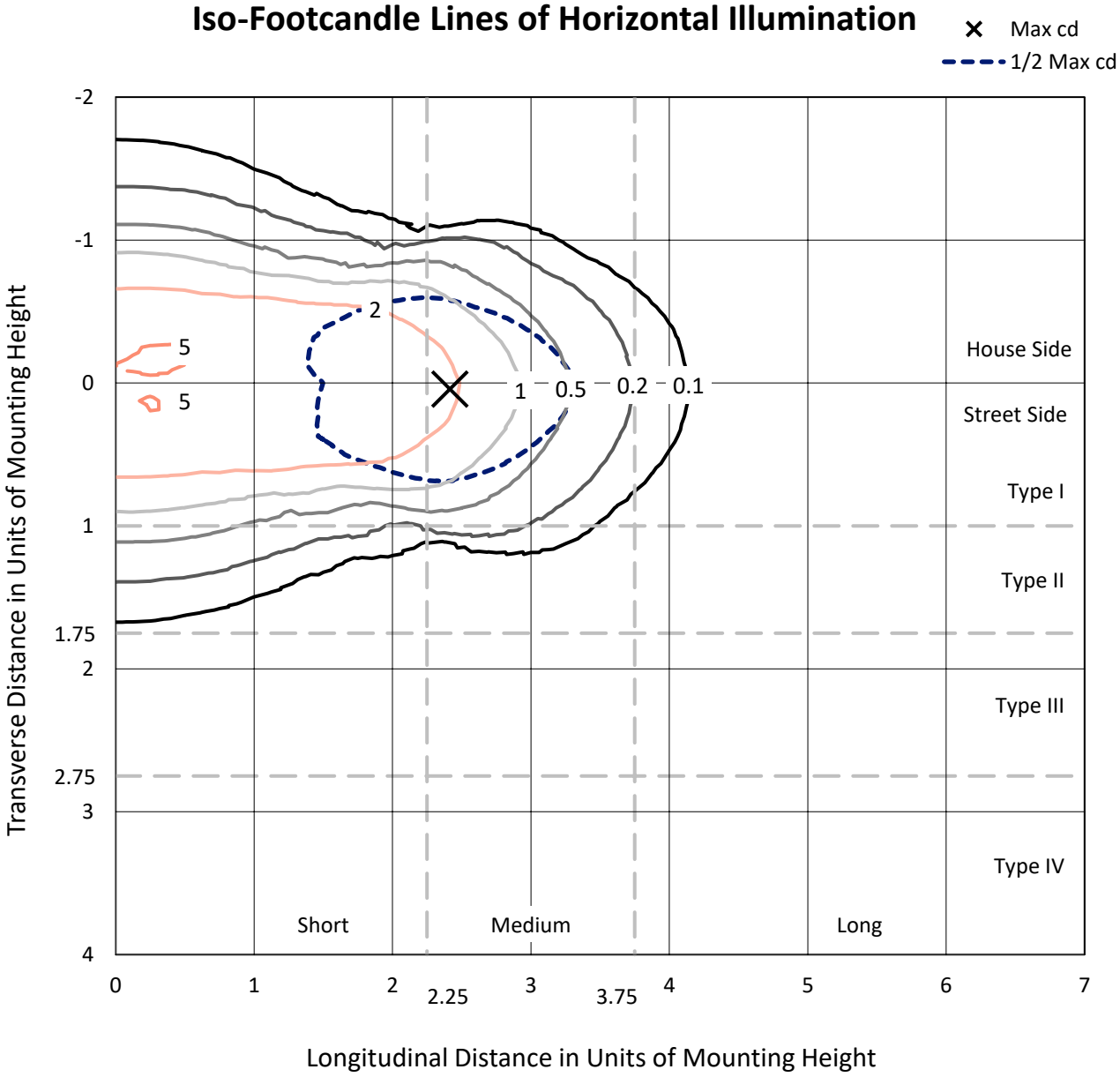
REPORT NUMBER: P629579
CATALOG NUMBER: GWS-SA1B-830-U-T1-W

Iso-Footcandle Lines of Horizontal Illumination



Based on 10 foot mounting height. Maximum calculated value = 5.2 fc
Type I - Medium - N/A

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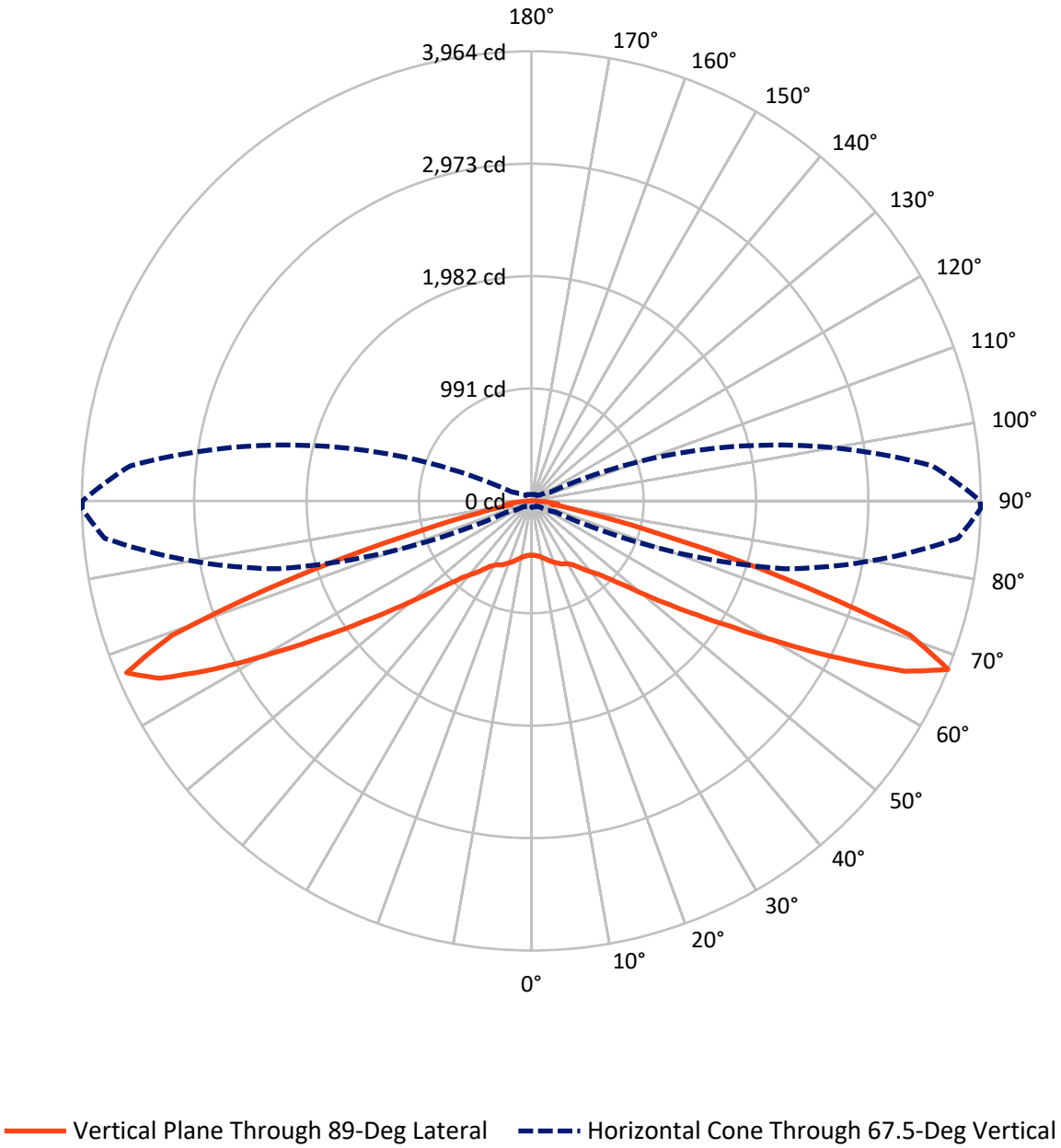
Luminous Intensity Polar Plot



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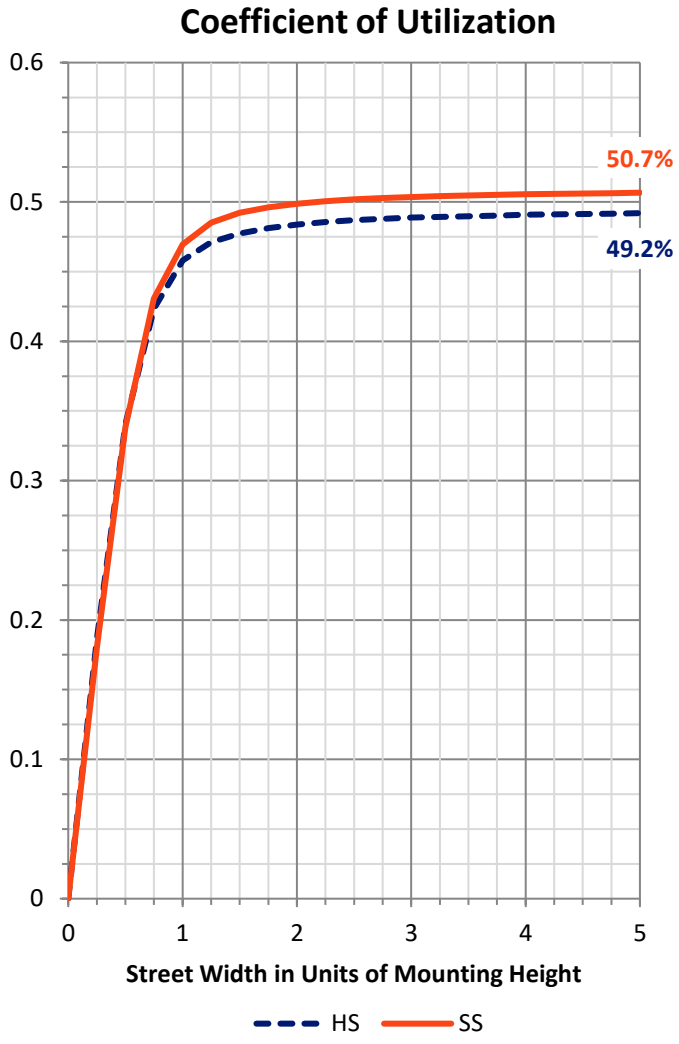
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1408.5	0.0	1408.5
	% Fixture	49.6	0.0	49.6
Street Side	Lumens	1433.4	0.0	1433.4
	% Fixture	50.4	0.0	50.4
Total	Lumens	2841.9	0.0	2841.9
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	47.8	1.7
10°-20°	155.8	5.5
20°-30°	263.4	9.3
30°-40°	361.4	12.7
40°-50°	460.9	16.2
50°-60°	578.3	20.3
60°-70°	697.4	24.5
70°-80°	252.3	8.9
80°-90°	24.5	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°	2841.9	100.0
0°-180°	2841.9	100.0



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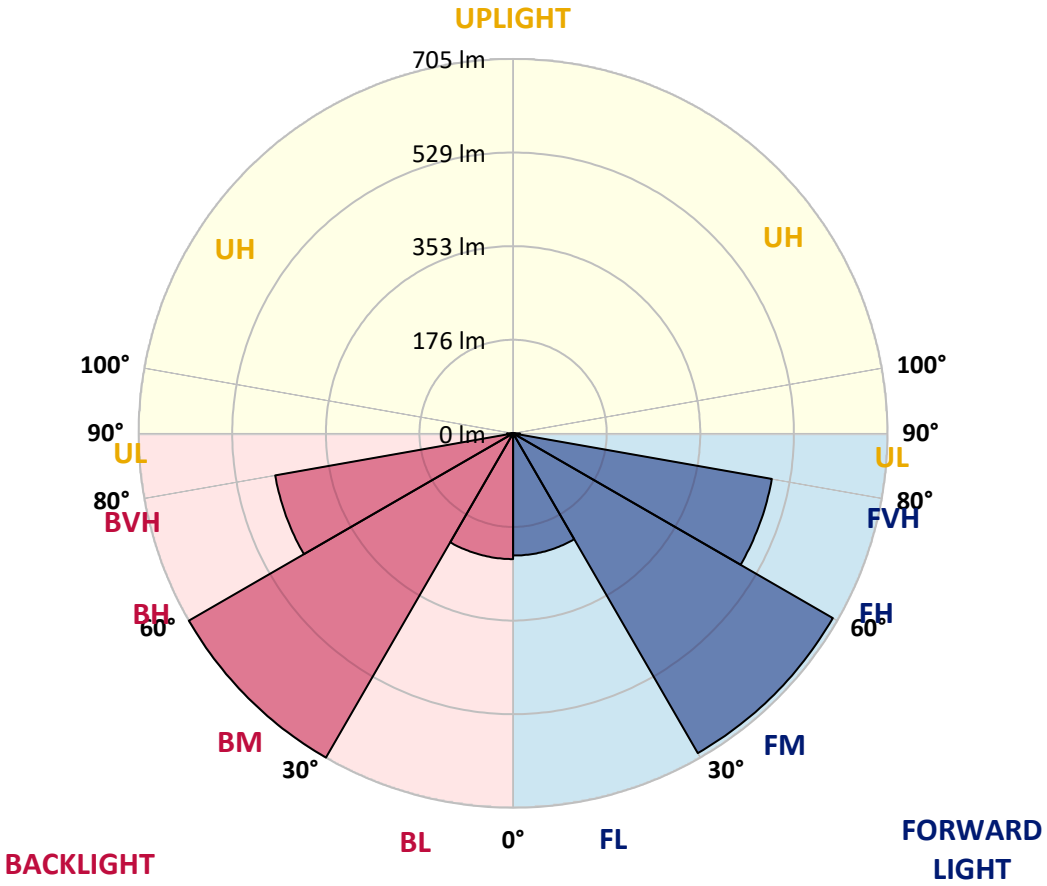
LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	230.2	8.1			
FM	(30°-60°)	695.5	24.5			
FH	(60°-80°)	494.8	17.4			G0/660
FVH	(80°-90°)	12.9	0.5			G1/100
BL	(0°-30°)	236.8	8.3	B1/500		
BM	(30°-60°)	705.1	24.8	B1/1000		
BH	(60°-80°)	454.9	16.0	B1/500		G1/500
BVH	(80°-90°)	11.6	0.4			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G1
Type I Medium



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REPORT NUMBER: P629579
CATALOG NUMBER: GWS-SA1B-830-U-T1-W

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	89°
0°	477.0	477.0	477.0	477.0	477.0	477.0	477.0	477.0	477.0	477.0	*477.0*
2.5°	478.4	478.0	477.0	480.1	479.4	479.6	480.9	480.1	478.6	476.2	*479.6*
5°	491.9	491.7	489.4	491.3	489.2	487.8	487.6	485.6	483.9	481.3	*485.0*
7.5°	505.0	504.7	502.9	506.2	504.5	502.9	501.1	497.0	493.1	489.2	*493.3*
10°	515.0	514.7	514.3	519.0	519.4	520.1	519.2	512.3	505.6	500.9	*505.0*
12.5°	520.7	521.3	522.3	530.9	535.2	539.2	540.3	534.5	523.3	516.6	*521.5*
15°	516.8	518.0	523.1	538.6	550.5	559.7	563.5	558.8	544.3	533.1	*538.6*
17.5°	498.2	499.2	509.2	532.9	559.0	580.3	586.6	583.7	567.6	553.9	*559.2*
20°	472.5	474.7	485.6	518.6	557.6	594.6	611.5	610.5	592.9	571.9	*578.2*
22.5°	449.2	451.9	463.3	499.8	548.0	598.2	636.6	639.3	616.0	589.9	*595.0*
25°	423.1	425.6	440.3	477.6	531.5	595.4	658.0	670.1	642.1	610.5	*615.2*
27.5°	396.4	398.2	412.7	452.5	509.9	590.1	675.0	704.0	667.8	624.8	*628.0*
30°	372.9	375.3	388.6	427.4	486.2	579.5	688.8	740.1	697.4	640.9	*643.5*
32.5°	350.2	352.3	366.8	402.7	461.1	563.1	701.3	782.5	741.3	670.9	*670.9*
35°	321.7	325.3	341.7	379.0	437.4	541.5	710.3	831.9	801.3	715.2	*715.4*
37.5°	295.3	297.4	314.5	352.3	412.5	517.0	711.1	883.2	877.2	771.5	*771.9*
40°	265.3	268.0	286.4	323.7	383.9	491.3	703.3	930.9	956.8	829.5	*827.2*
42.5°	234.9	238.8	256.4	292.9	353.1	459.8	682.7	976.4	1057.9	896.6	*891.1*
45°	205.5	208.0	225.5	260.0	317.8	422.3	649.7	1020.1	1177.9	998.7	*990.7*
47.5°	172.5	173.5	191.7	224.7	281.3	380.4	602.3	1059.1	1309.7	1133.8	*1120.1*
50°	143.1	144.5	158.8	187.2	236.6	330.9	543.3	1082.0	1477.7	1318.1	*1294.4*
52.5°	115.7	117.2	128.6	151.2	195.5	274.3	470.3	1076.6	1648.1	1546.9	*1512.4*
55°	93.5	94.5	102.3	120.0	153.9	218.2	383.9	1029.1	1837.3	1845.7	*1771.4*
57.5°	79.0	79.4	84.7	95.5	120.2	168.2	296.4	916.8	2035.7	2227.0	*2104.9*
60°	70.6	70.8	73.3	80.0	94.9	128.4	217.2	738.0	2241.3	2704.0	*2536.6*
62.5°	65.3	65.3	67.4	71.2	78.8	98.8	159.6	530.1	2388.8	3223.0	*3056.7*
65°	60.2	60.2	61.6	64.9	69.0	80.6	119.8	341.9	2461.3	3656.9	*3620.0*
67.5°	*53.7*	*53.9*	*54.9*	*58.4*	*62.0*	*67.4*	*90.8*	*231.2*	*2310.9*	*3776.9*	*3963.9*
70°	47.6	47.8	49.2	51.4	54.5	58.2	71.0	159.4	1682.0	3145.6	*3544.3*
72.5°	40.8	41.6	42.7	45.1	46.9	49.6	58.0	103.3	978.7	2023.5	*2342.9*
75°	33.5	34.5	35.7	38.2	39.4	40.4	47.8	73.7	470.9	1025.4	*1167.7*
77.5°	25.9	26.9	28.4	30.6	31.4	32.7	36.5	53.3	225.5	454.5	*490.1*
80°	17.3	17.8	19.0	21.6	23.1	23.9	26.9	36.3	98.0	182.5	*180.8*
82.5°	10.6	10.8	11.2	12.9	13.5	14.3	17.6	22.2	46.7	207.4	*237.8*
85°	3.9	3.7	3.5	4.5	5.3	6.1	8.2	11.2	20.4	142.5	*159.4*
87.5°	0.0	0.0	0.0	0.2	0.4	0.4	0.8	1.6	4.9	53.3	*36.5*
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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REPORT NUMBER: P629579
CATALOG NUMBER: GWS-SA1B-830-U-T1-W

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	477.0	477.0	477.0	477.0	477.0	477.0	477.0	477.0	477.0	477.0	477.0
2.5°	478.6	476.4	479.2	481.3	485.8	487.4	487.8	486.4	486.4	483.9	484.3
5°	484.1	482.7	487.4	490.9	497.4	499.8	501.5	500.5	501.1	499.4	499.8
7.5°	492.5	491.3	499.4	506.2	512.9	515.8	517.2	516.4	516.6	514.5	515.2
10°	504.1	504.5	514.3	523.1	532.1	535.0	535.6	533.1	531.1	527.4	527.6
12.5°	520.1	522.1	536.0	545.8	555.0	559.0	554.5	545.6	537.2	530.9	530.1
15°	537.4	541.1	561.1	573.5	583.5	581.5	568.2	548.0	531.5	522.1	520.3
17.5°	558.2	563.7	588.8	603.7	612.3	599.2	571.5	541.3	518.2	505.6	503.1
20°	577.8	586.6	618.2	637.6	638.6	609.2	570.1	527.6	498.6	483.1	479.8
22.5°	595.8	607.0	649.0	673.7	660.5	613.7	561.3	508.2	474.9	456.8	453.9
25°	615.4	631.3	685.0	708.0	682.3	611.9	542.9	484.1	446.4	427.8	425.8
27.5°	628.8	648.8	721.1	743.1	700.3	601.5	519.2	457.8	420.2	402.7	399.8
30°	644.4	669.9	760.9	781.3	711.3	586.2	493.9	433.3	396.0	377.0	374.9
32.5°	672.5	704.6	810.3	821.7	714.8	567.2	469.6	409.6	370.7	351.7	348.8
35°	717.8	755.4	879.7	866.8	712.1	546.4	446.6	381.9	344.7	327.0	324.1
37.5°	775.0	821.7	957.0	907.4	704.8	523.5	419.2	358.6	321.5	303.5	301.9
40°	828.3	885.8	1043.8	942.6	689.9	495.4	392.9	334.3	296.4	277.4	273.7
42.5°	895.0	971.5	1144.2	973.0	665.4	461.7	363.3	304.3	264.9	247.8	243.3
45°	996.4	1091.5	1261.0	1002.1	628.8	420.2	326.2	267.8	230.4	212.9	209.4
47.5°	1123.0	1241.6	1387.5	1019.5	573.3	376.6	284.1	229.2	191.9	172.1	170.4
50°	1300.8	1459.7	1523.2	1016.4	511.3	324.7	236.8	183.3	152.1	137.8	135.5
52.5°	1517.3	1733.7	1670.0	979.7	445.4	265.7	184.5	143.9	120.6	110.4	108.6
55°	1789.0	2061.7	1824.5	900.9	362.1	203.5	144.9	113.5	97.6	91.4	90.6
57.5°	2125.3	2486.4	1973.3	768.2	272.3	155.3	111.6	93.7	86.1	82.5	82.3
60°	2569.3	2937.3	2102.5	597.0	194.9	118.8	92.3	83.7	77.8	75.3	75.1
62.5°	3097.1	3346.7	2182.9	406.6	146.5	94.7	81.2	75.9	72.5	71.0	70.8
65°	3639.6	3605.5	2144.5	266.4	111.2	80.4	72.9	70.0	66.9	65.5	65.5
67.5°	*3960.0*	*3550.8*	*1850.0*	*184.9*	*88.2*	*70.6*	*65.7*	*63.1*	*58.0*	*56.7*	*56.7*
70°	3507.5	2877.2	1212.6	135.3	71.4	61.8	57.1	53.5	51.4	50.2	50.0
72.5°	2319.8	1872.2	644.8	93.9	59.6	52.7	48.4	46.9	44.5	43.3	43.1
75°	1154.6	983.4	330.4	67.8	49.6	42.2	40.4	39.8	37.8	36.1	35.7
77.5°	481.3	437.8	154.1	49.2	37.8	34.1	32.5	32.5	30.2	28.4	27.6
80°	181.4	161.7	72.9	33.7	28.0	25.3	24.3	23.5	21.6	19.4	18.2
82.5°	242.7	158.6	35.7	21.0	18.4	16.3	14.9	14.3	13.3	12.2	11.4
85°	157.2	112.7	16.1	10.8	9.2	6.9	6.1	5.7	5.1	4.5	4.1
87.5°	32.0	37.8	4.9	2.0	1.2	0.6	0.6	0.2	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

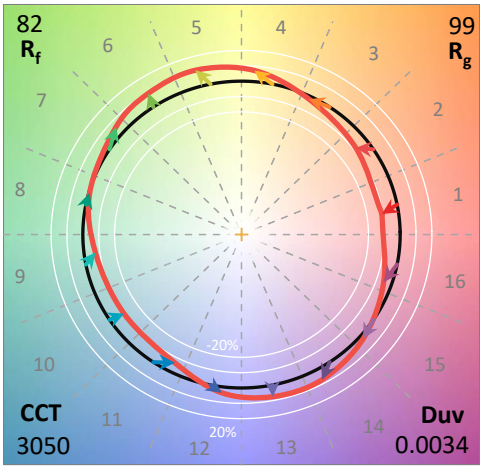
Test Information

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

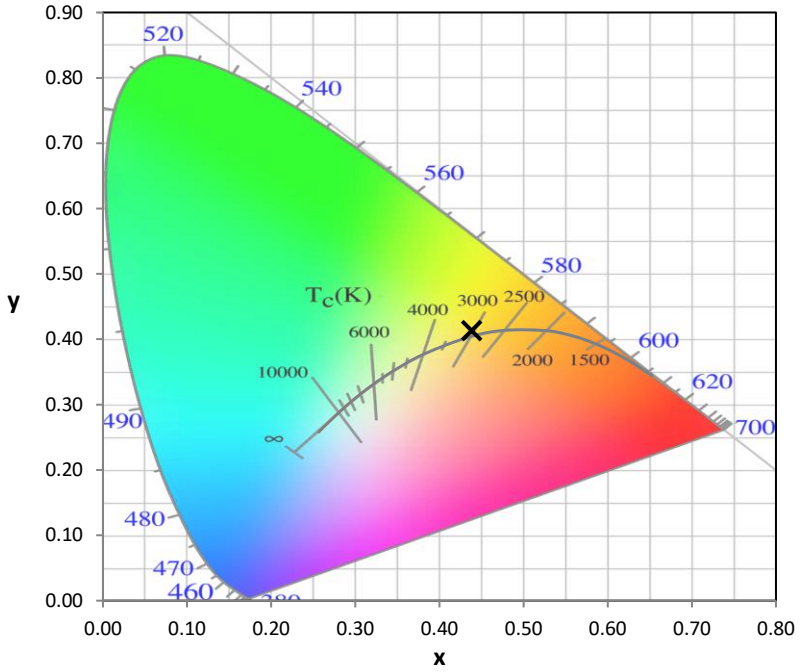
Stabilization Time:	20M
Operation Time:	1H 20M
Sphere Temperature (°C):	24.2

REPORT NUMBER: SP1-2408-195-9

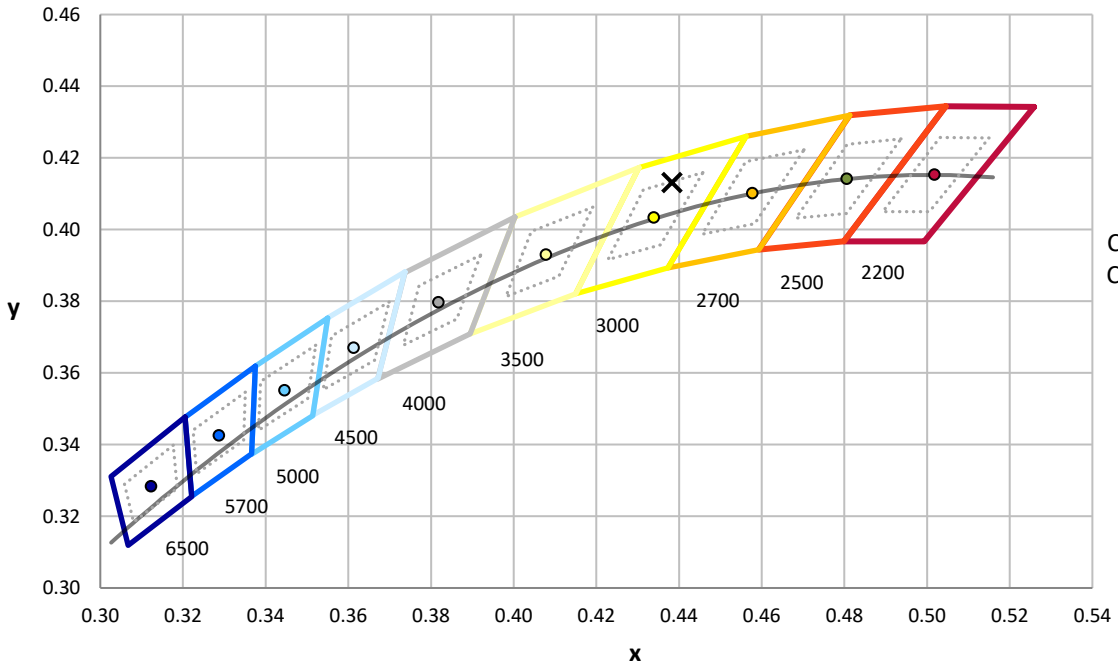
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

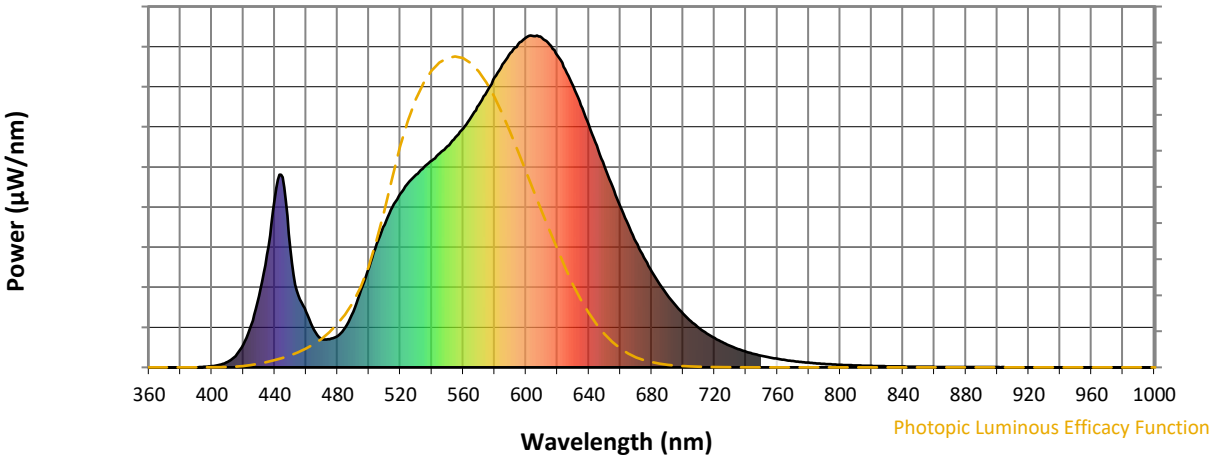


CCT = 3050K
CIE x = 0.4383
CIE y = 0.4131
Duv = 0.0034

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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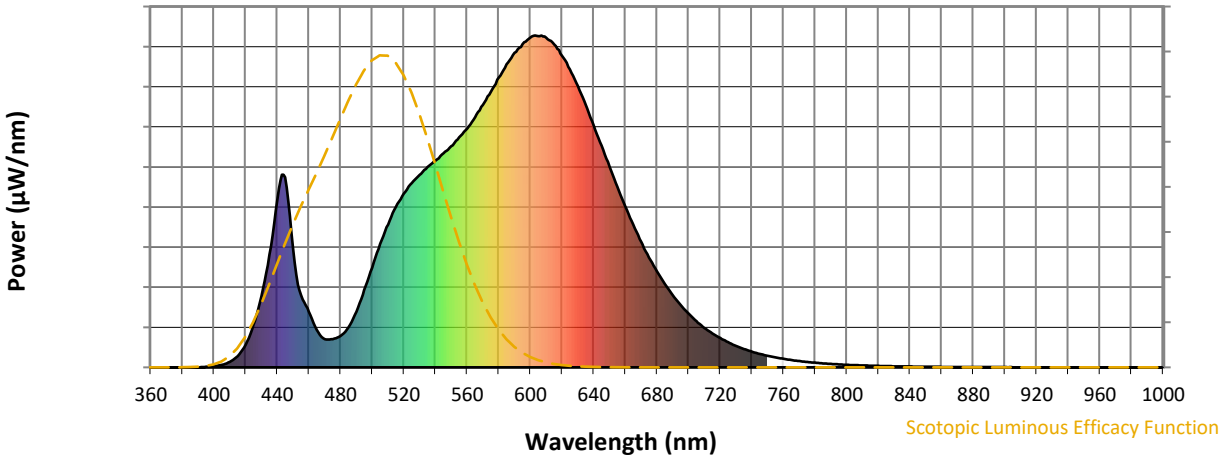
Scotopic Flux vs. Wavelength



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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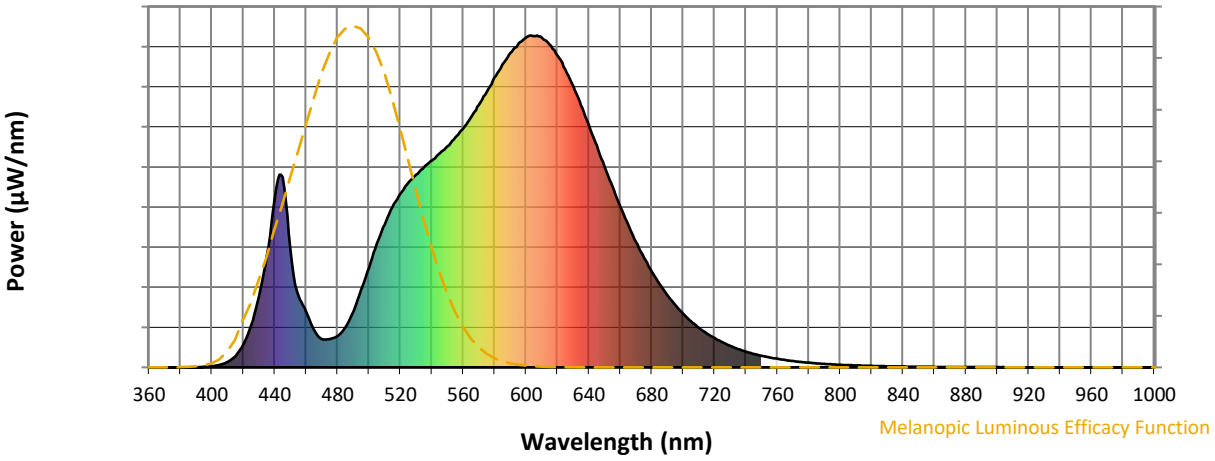
Melanopic Flux vs. Wavelength



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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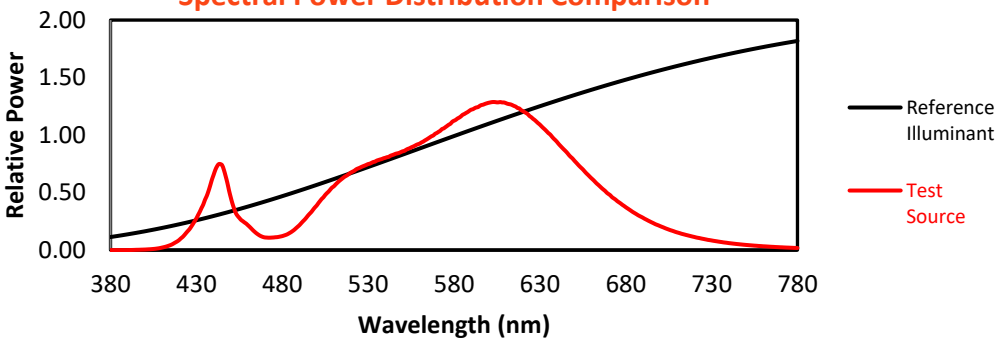
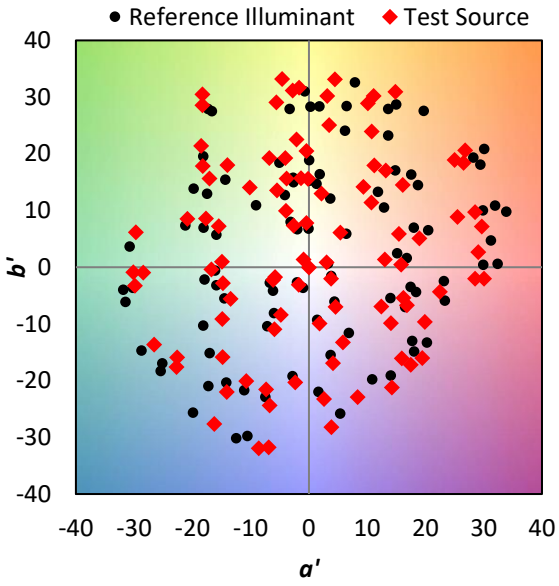
Summary

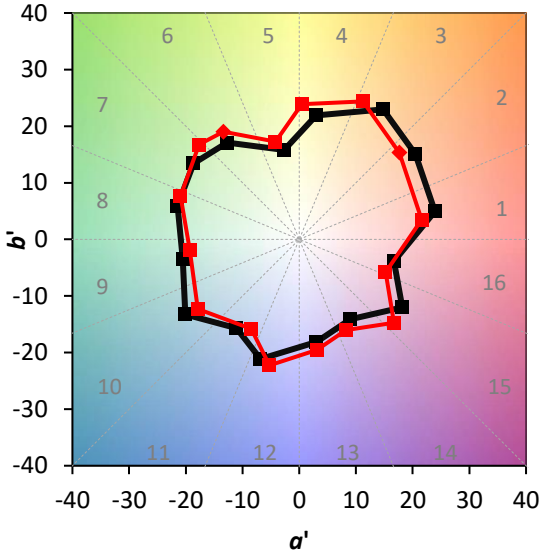
R_f = 81.5
R_g = 99.2
CIE R_a = 81.0
R_9 = 7.1

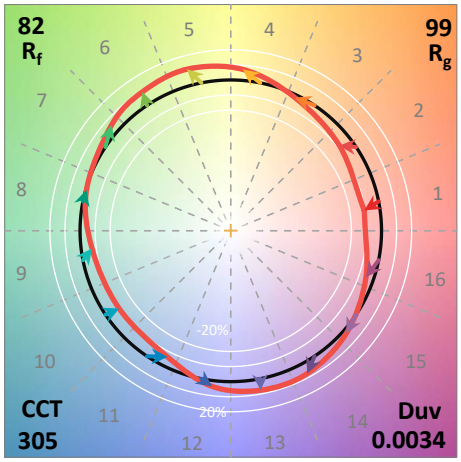
Spectral Power Distribution Comparison

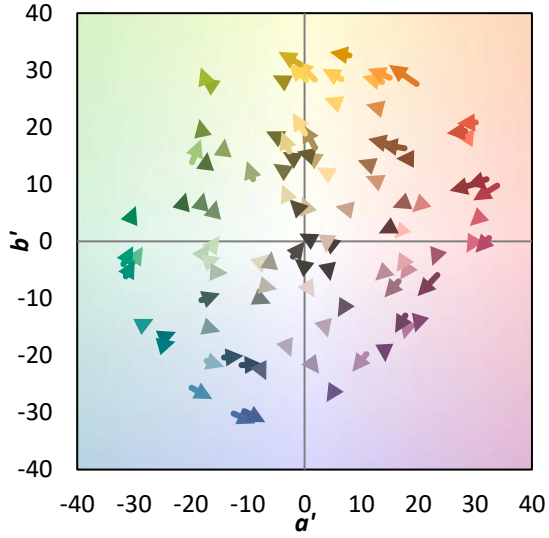


Color Vector Graphics









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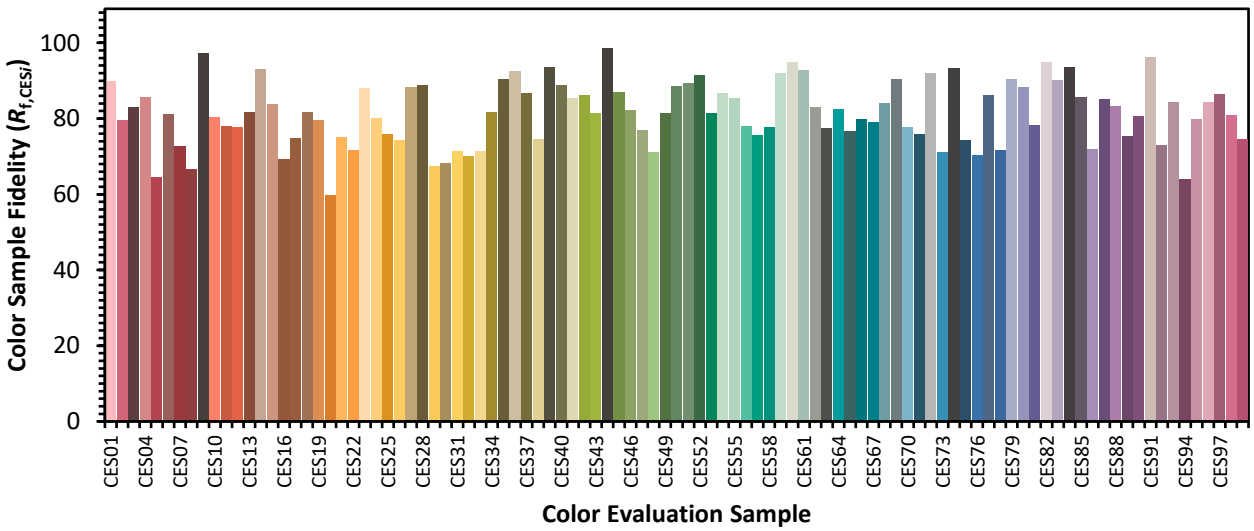
Individual Sample Fidelity Index ($R_{f,i}$)

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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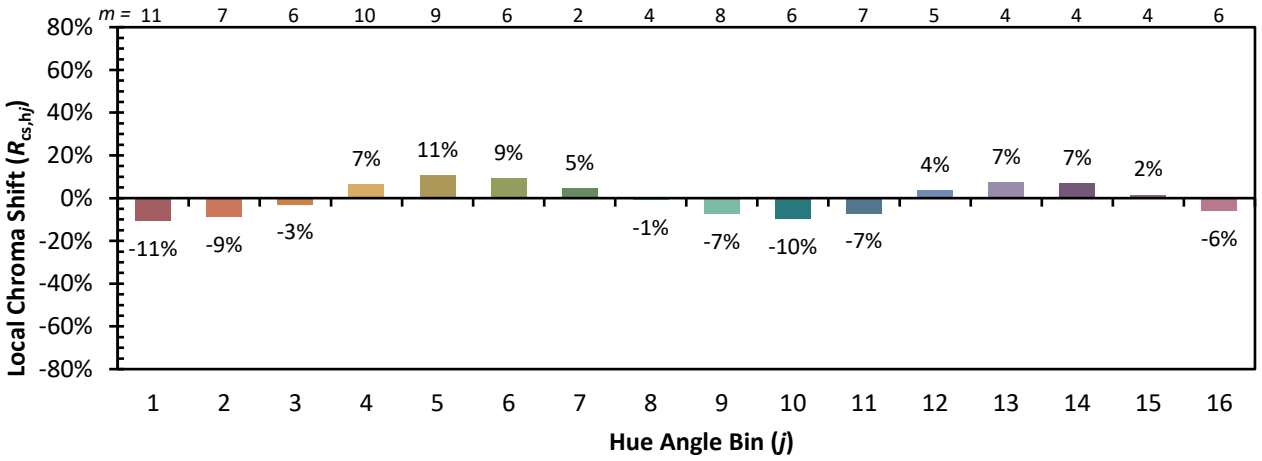
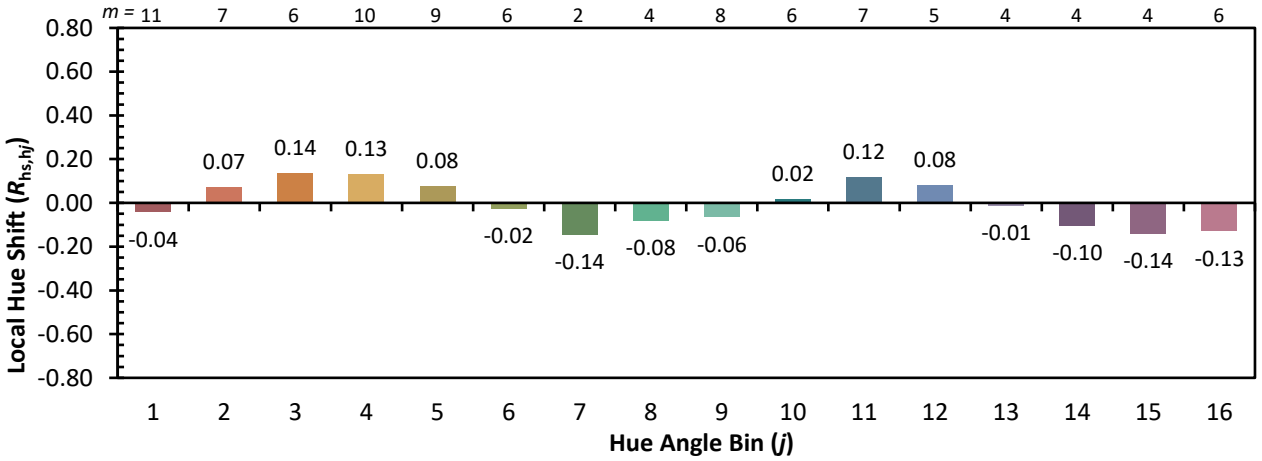
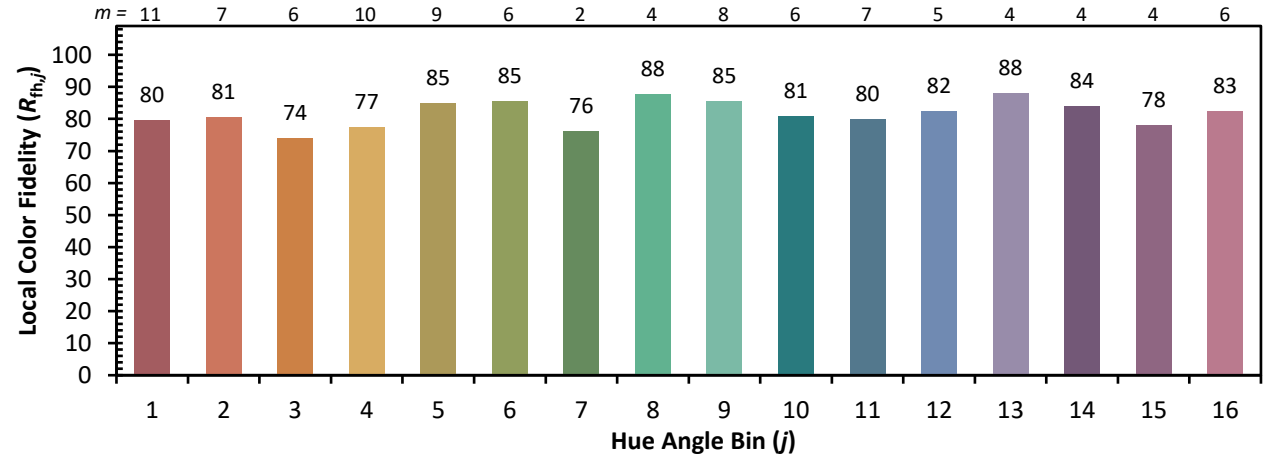
Color Rendition by Hue-Angle Bin







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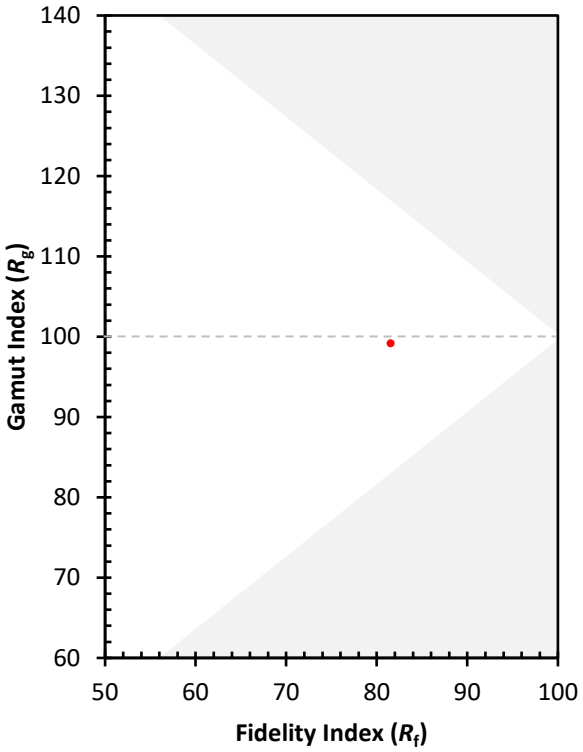
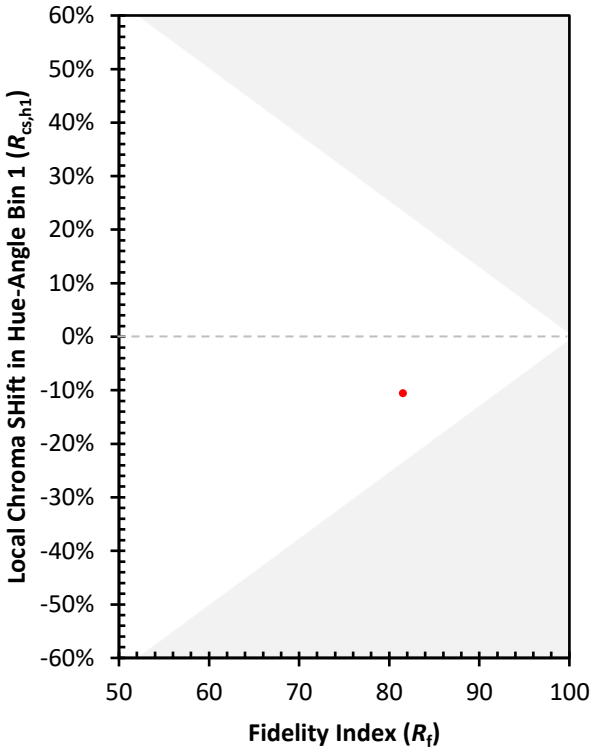
Measure Comparisons





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