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: P632551

Luminaire Tested: GWS-SA2C-830-U-T2-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:	P632551
	TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-19)
Test Lab:	COOPER LIGHTING SOLUTIONS
Issue Date:	1/10/2023
Manufacturer:	COOPER LIGHTING SOLUTIONS
Product Line:	McGRAW-EDISON
Catalog Number:	GWS-SA2C-830-U-T2-W
Description:	GALLEON WALL SLIM LUMINAIRE. (2) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II OPTICS
Light Source:	(32) 3000K CCT, 80 CRI LEDS
Ballast/Driver:	-

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	7294.6 lumens
Efficiency:	N/A
Efficacy:	115.4 lumens/watt
Luminous Opening:	Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification:	Type II - Medium
BUG Rating:	B1 - U0 - G2

Input Watts (W):	63.2
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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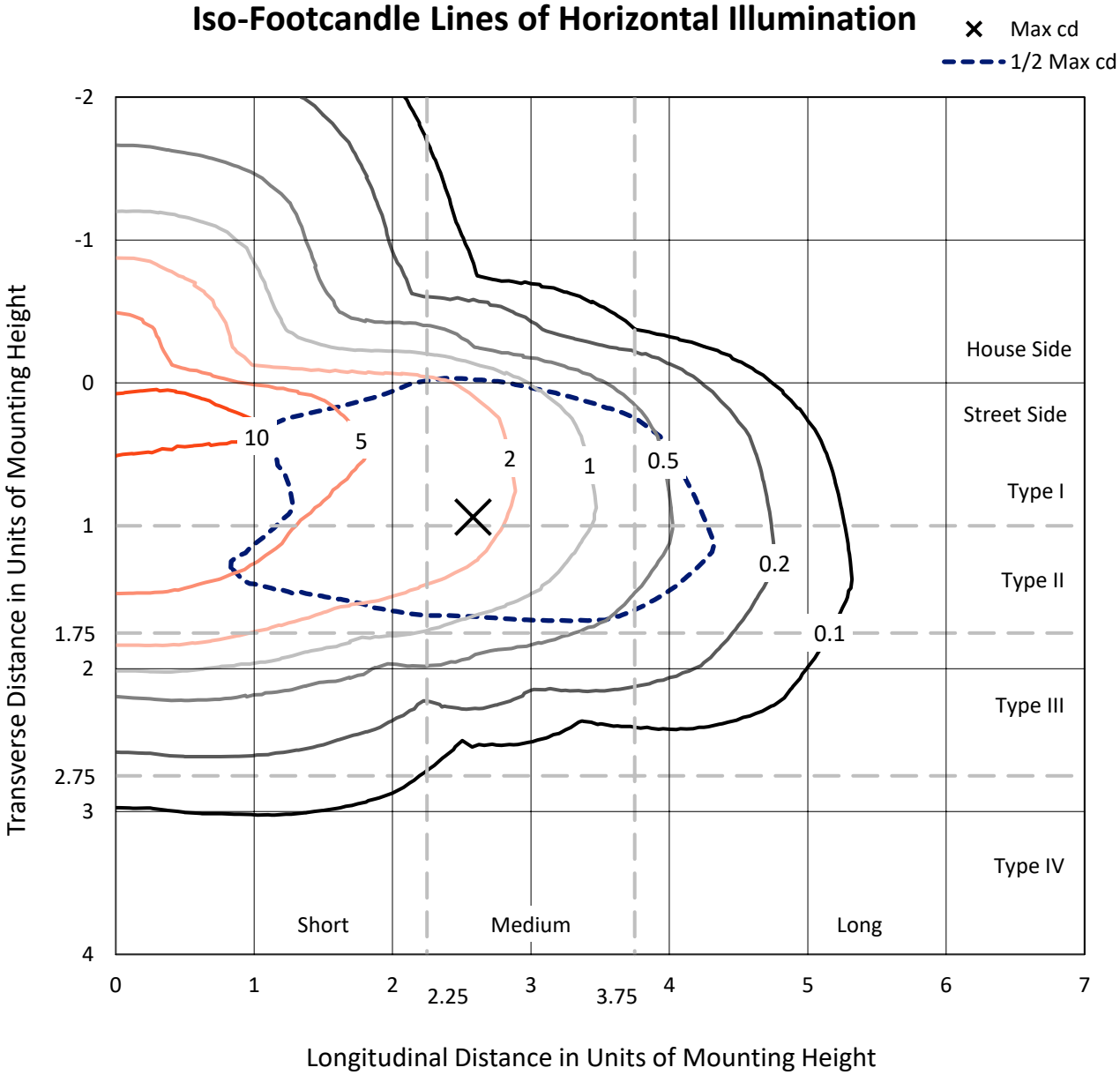
REPORT NUMBER: P632551
CATALOG NUMBER: GWS-SA2C-830-U-T2-W

Iso-Footcandle Lines of Horizontal Illumination



Based on 10 foot mounting height. Maximum calculated value = 12.3 fc
Type II - Medium - N/A

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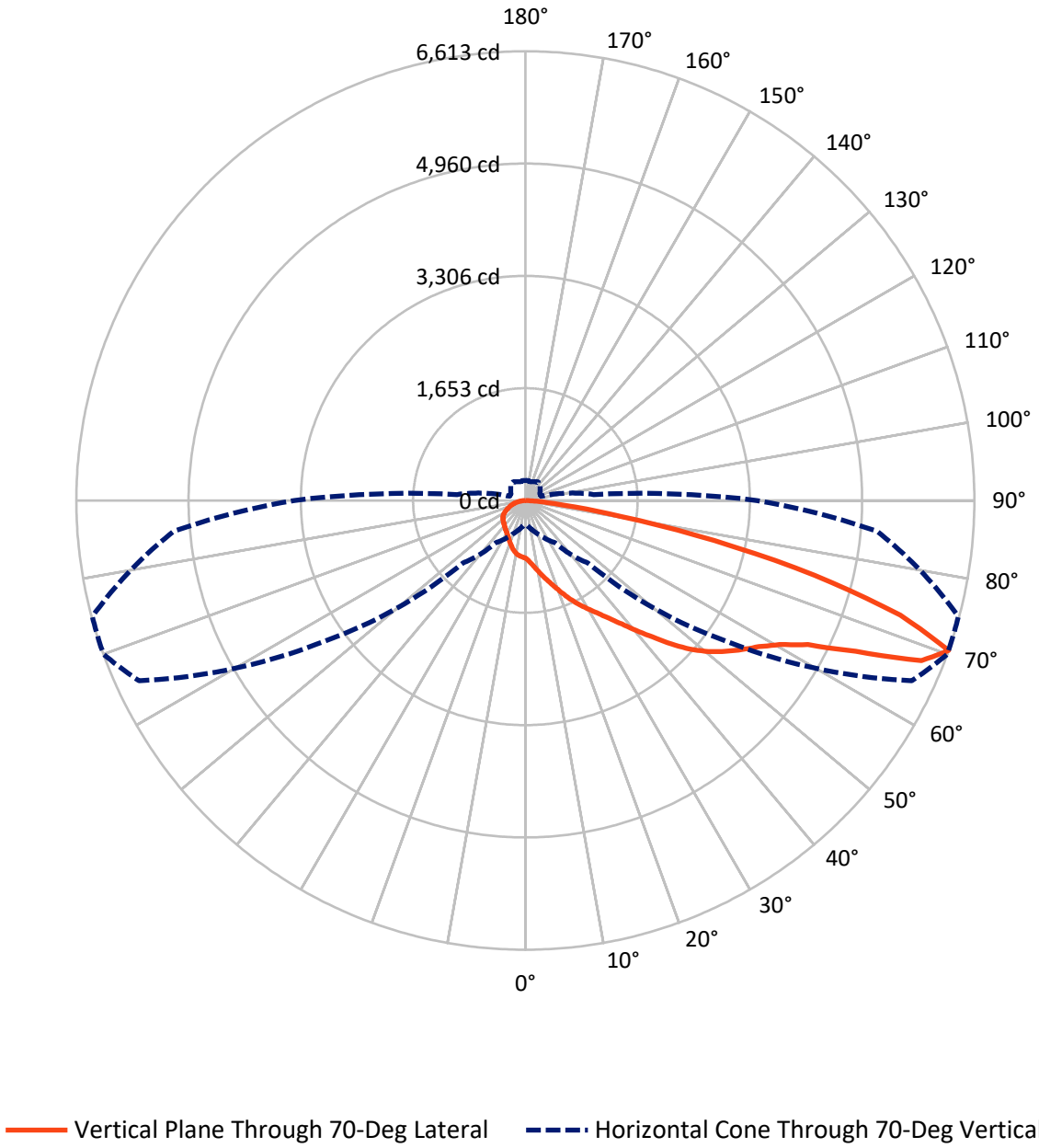
Luminous Intensity Polar Plot



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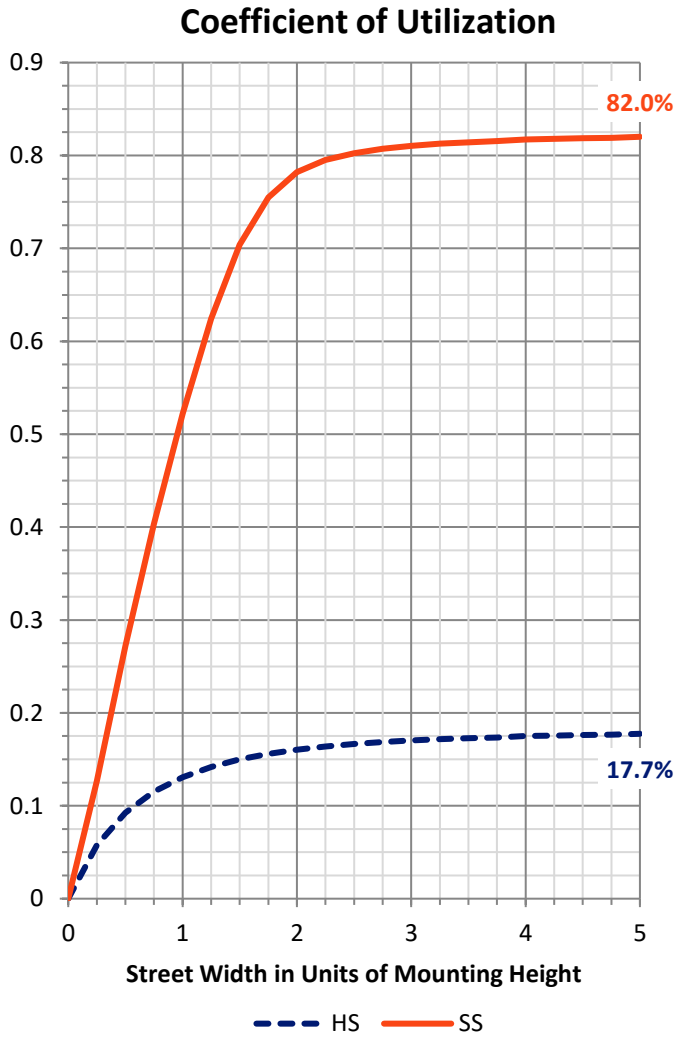
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1307.2	0.0	1307.2
	% Fixture	17.9	0.0	17.9
Street Side	Lumens	5987.4	0.0	5987.4
	% Fixture	82.1	0.0	82.1
Total	Lumens	7294.6	0.0	7294.6
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	86.5	1.2
10°-20°	281.3	3.9
20°-30°	498.3	6.8
30°-40°	749.9	10.3
40°-50°	1134.5	15.6
50°-60°	1625.3	22.3
60°-70°	1796.6	24.6
70°-80°	1013.8	13.9
80°-90°	108.4	1.5
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°	7294.6	100.0
0°-180°	7294.6	100.0



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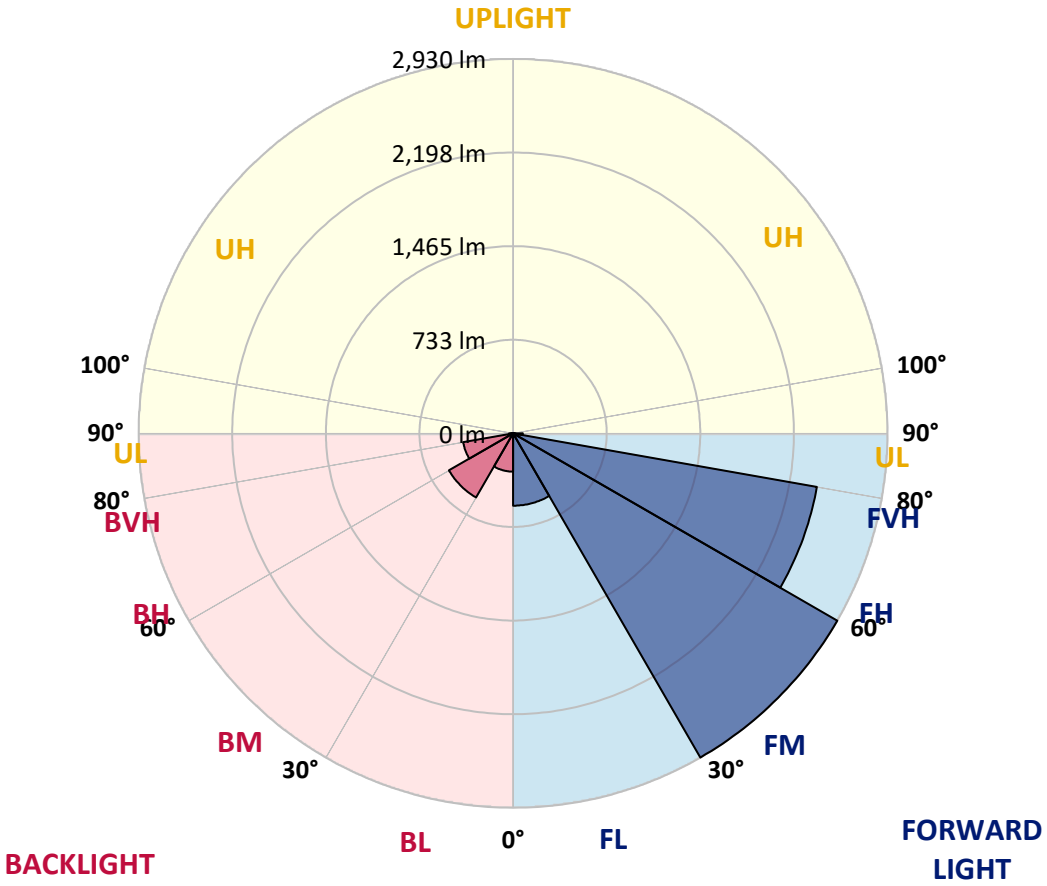
CATALOG NUMBER: GWS-SA2C-830-U-T2-W

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	566.3	7.8			
FM	(30°-60°)	2930.2	40.2			
FH	(60°-80°)	2414.2	33.1			G2/5000
FVH	(80°-90°)	76.7	1.1			G1/100
BL	(0°-30°)	299.7	4.1	B1/500		
BM	(30°-60°)	579.5	7.9	B1/1000		
BH	(60°-80°)	396.2	5.4	B1/500		G1/500
BVH	(80°-90°)	31.8	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-G2
Type II Medium



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Scaled Data Report

REPORT NUMBER: P632551
CATALOG NUMBER: GWS-SA2C-830-U-T2-W

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	70°	75°	85°
0°	850.7	850.7	850.7	850.7	850.7	850.7	850.7	850.7	*850.7*	850.7	850.7
2.5°	942.4	940.8	941.9	940.8	935.0	920.8	909.2	894.4	*884.4*	878.6	864.9
5°	1053.1	1051.5	1047.8	1042.6	1032.0	1012.5	983.5	951.4	*931.9*	917.1	888.1
7.5°	1132.7	1132.7	1132.2	1125.8	1118.5	1097.9	1063.6	1021.5	*993.0*	967.7	920.3
10°	1173.3	1175.9	1179.6	1188.6	1187.0	1175.9	1143.8	1098.4	*1062.6*	1033.1	962.4
12.5°	1195.4	1197.0	1203.3	1221.8	1240.7	1243.4	1224.4	1177.0	*1138.0*	1098.4	1009.4
15°	1223.9	1224.4	1232.8	1255.0	1282.9	1310.8	1306.1	1258.7	*1218.6*	1174.9	1061.5
17.5°	1246.0	1249.7	1265.0	1290.8	1325.6	1364.1	1387.3	1357.7	*1308.2*	1258.1	1118.5
20°	1253.9	1256.6	1276.6	1316.1	1363.5	1417.8	1469.5	1461.6	*1411.5*	1352.5	1182.8
22.5°	1282.4	1282.4	1297.1	1330.3	1386.2	1465.3	1549.1	1569.6	*1525.4*	1456.3	1251.8
25°	1345.1	1343.0	1349.8	1363.5	1405.7	1503.2	1627.6	1689.3	*1639.7*	1562.3	1320.9
27.5°	1431.0	1430.0	1429.4	1431.5	1445.8	1536.4	1694.0	1801.0	*1751.5*	1664.0	1382.5
30°	1524.3	1521.1	1528.0	1521.7	1518.5	1576.0	1750.4	1901.2	*1862.7*	1764.7	1433.6
32.5°	1651.3	1645.5	1644.0	1623.4	1610.7	1637.6	1795.7	2015.0	*1984.4*	1873.2	1491.1
35°	1818.9	1813.7	1786.8	1754.1	1716.7	1729.3	1852.1	2126.2	*2128.3*	2009.2	1566.5
37.5°	1988.1	1989.2	1968.1	1891.2	1852.7	1845.3	1938.1	2261.7	*2307.0*	2171.6	1664.0
40°	2128.9	2135.2	2135.2	2054.0	1996.6	1989.7	2058.8	2422.4	*2512.6*	2370.8	1787.3
42.5°	2235.9	2241.7	2260.1	2201.6	2141.0	2164.7	2205.3	2583.7	*2745.5*	2616.9	1943.3
45°	2353.4	2358.1	2368.2	2334.4	2299.1	2362.4	2371.3	2776.6	*3012.2*	2893.1	2124.6
47.5°	2509.4	2505.2	2506.2	2481.5	2454.1	2556.3	2554.2	2939.0	*3270.0*	3195.7	2321.2
50°	2703.4	2711.3	2703.9	2654.9	2622.7	2716.0	2728.1	3118.7	*3496.6*	3495.0	2519.4
52.5°	2890.0	2893.1	2932.1	2934.2	2868.4	2848.8	2880.5	3300.0	*3688.0*	3769.1	2709.7
55°	2899.4	2911.6	3028.6	3112.9	3219.4	3062.8	3034.4	3472.9	*3873.0*	4037.4	2907.4
57.5°	2697.6	2717.1	2915.8	3097.6	3393.8	3430.2	3297.9	3696.4	*4058.0*	4301.5	3136.1
60°	2266.4	2307.0	2576.9	2855.2	3315.3	3694.3	3837.1	4000.0	*4300.9*	4571.3	3413.9
62.5°	1447.4	1463.2	1841.6	2307.5	2961.6	3668.5	4424.3	4535.0	*4671.0*	4922.9	3841.9
65°	724.7	775.3	997.2	1377.3	2135.7	3232.6	4721.0	5514.8	*5348.2*	5524.8	4535.5
67.5°	491.8	508.1	620.4	827.5	1252.3	2290.1	4537.1	6340.2	*6291.2*	6320.2	5275.0
70°	*362.6*	*373.2*	*461.7*	*586.1*	*757.4*	*1300.3*	*3612.1*	*6278.0*	*6612.7*	*6602.2*	*5197.5*
72.5°	264.6	269.9	336.8	447.5	561.3	672.5	2205.8	5071.5	*5772.5*	6076.7	4545.5
75°	192.4	198.7	234.0	334.7	436.4	419.6	1088.9	3663.2	*4402.1*	4987.2	3703.2
77.5°	143.4	151.3	167.6	209.8	305.7	300.4	470.7	2378.7	*2847.3*	3257.3	2249.6
80°	103.3	104.9	114.4	134.4	194.0	176.0	224.0	1240.2	*1422.1*	1558.0	881.8
82.5°	62.7	64.3	76.4	82.8	120.2	110.7	116.5	401.6	*575.6*	610.9	329.4
85°	18.4	19.5	34.8	37.9	50.1	47.4	46.9	163.4	*195.0*	249.3	129.7
87.5°	0.0	0.0	0.0	0.0	0.5	3.2	5.8	29.0	*43.7*	60.6	31.6
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: P632551
CATALOG NUMBER: GWS-SA2C-830-U-T2-W

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	850.7	850.7	850.7	850.7	850.7	850.7	850.7	850.7	850.7	850.7	850.7
2.5°	859.7	847.5	841.2	830.1	822.2	814.3	806.4	799.0	795.9	791.1	792.2
5°	874.9	856.0	837.0	815.4	796.9	781.7	768.0	755.8	750.6	745.8	747.9
7.5°	898.1	869.7	833.3	793.8	764.8	743.7	729.5	721.0	718.4	714.7	714.7
10°	927.7	885.0	821.2	764.8	730.0	713.1	706.8	706.3	708.9	709.4	708.4
12.5°	960.3	899.7	803.3	730.5	701.0	695.7	700.5	709.4	718.4	723.1	722.1
15°	994.1	909.2	772.7	697.8	679.9	686.8	702.1	720.0	737.4	746.3	745.8
17.5°	1025.7	911.3	733.2	666.2	661.5	678.9	705.2	733.2	756.9	769.5	770.1
20°	1061.0	907.6	692.6	637.8	643.0	671.5	706.3	740.0	768.0	780.6	783.8
22.5°	1093.2	895.0	653.0	610.9	627.2	662.5	697.8	729.5	754.2	766.4	770.6
25°	1122.1	870.7	609.8	588.2	615.1	649.9	676.8	698.9	716.3	723.7	729.5
27.5°	1138.0	834.4	577.1	570.3	603.5	632.0	646.7	653.6	659.4	657.3	661.5
30°	1141.1	789.0	548.7	556.1	586.1	607.2	610.4	603.5	593.5	577.1	580.8
32.5°	1138.0	736.9	525.0	540.8	566.6	579.3	575.0	557.1	532.9	507.6	509.2
35°	1139.0	684.1	505.5	523.9	543.9	550.8	540.3	515.5	489.7	466.5	465.4
37.5°	1150.6	639.9	489.1	507.6	521.8	522.9	511.3	485.4	472.3	454.9	452.8
40°	1182.8	607.2	474.4	491.2	500.2	499.7	486.5	468.0	477.0	471.2	469.6
42.5°	1235.5	587.2	462.2	473.8	480.2	481.2	470.7	459.1	478.6	471.2	468.6
45°	1320.3	586.1	453.8	456.4	466.5	473.8	466.5	453.3	460.7	424.8	418.0
47.5°	1421.0	604.0	447.5	441.2	458.6	471.7	460.1	439.1	423.8	391.1	386.3
50°	1542.2	640.4	441.7	424.8	447.0	463.8	452.2	423.2	400.1	382.7	380.0
52.5°	1686.1	688.4	434.3	406.4	429.6	459.6	452.2	421.7	391.1	375.3	372.6
55°	1836.9	743.7	425.9	384.2	410.1	460.7	455.9	410.6	384.2	375.8	373.7
57.5°	2024.0	810.1	410.6	358.4	392.7	451.2	441.2	404.3	379.5	372.6	370.5
60°	2267.0	908.7	381.6	332.1	372.6	434.3	428.0	393.7	366.8	361.0	359.5
62.5°	2651.7	1075.8	346.3	306.8	348.9	399.0	408.5	373.7	351.0	350.5	350.0
65°	3278.9	1276.6	304.7	284.1	324.2	370.0	382.7	353.1	334.7	340.5	340.0
67.5°	3718.5	1294.0	270.4	260.4	295.2	338.4	356.8	332.1	312.0	323.1	322.6
70°	*3406.0*	*1009.4*	*240.9*	*235.6*	*264.1*	*304.1*	*328.9*	*305.7*	*285.7*	*296.2*	*294.1*
72.5°	2872.6	773.7	212.9	209.8	232.4	268.3	293.1	279.4	258.3	258.3	253.5
75°	2308.6	638.3	183.4	181.8	197.1	231.9	259.8	236.7	217.2	216.1	212.9
77.5°	1324.0	418.5	153.9	152.9	157.6	194.0	201.9	197.1	182.4	175.5	173.4
80°	527.6	217.7	121.2	114.4	119.1	142.3	159.2	151.3	138.6	130.2	125.4
82.5°	204.5	109.1	85.4	74.8	81.7	102.8	115.4	112.8	104.4	85.4	80.1
85°	83.3	53.2	51.1	43.2	47.4	55.3	66.4	57.5	47.4	33.7	32.2
87.5°	22.1	19.5	19.0	11.6	9.0	2.6	0.5	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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Peachtree City, GA 30269

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

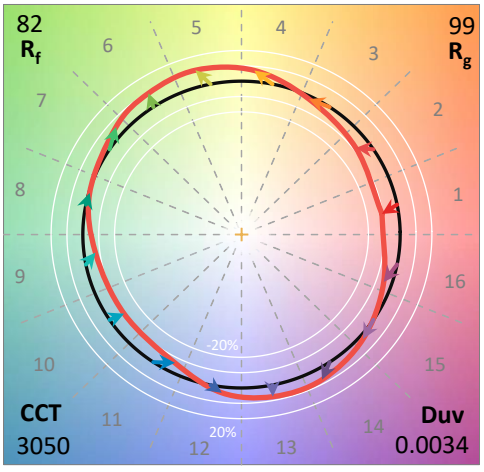
Test Information

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

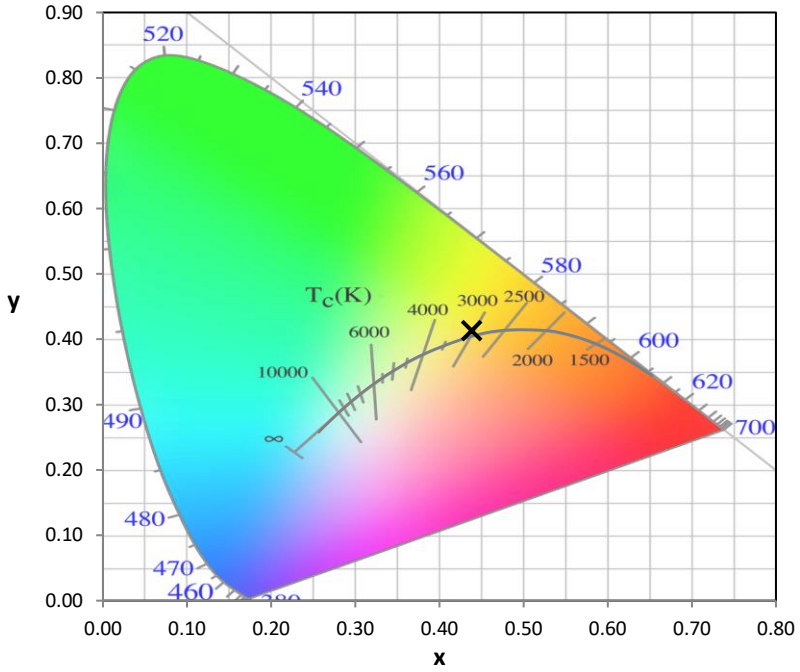
Stabilization Time:	20M
Operation Time:	1H 20M
Sphere Temperature (°C):	24.2

REPORT NUMBER: SP1-2408-195-9

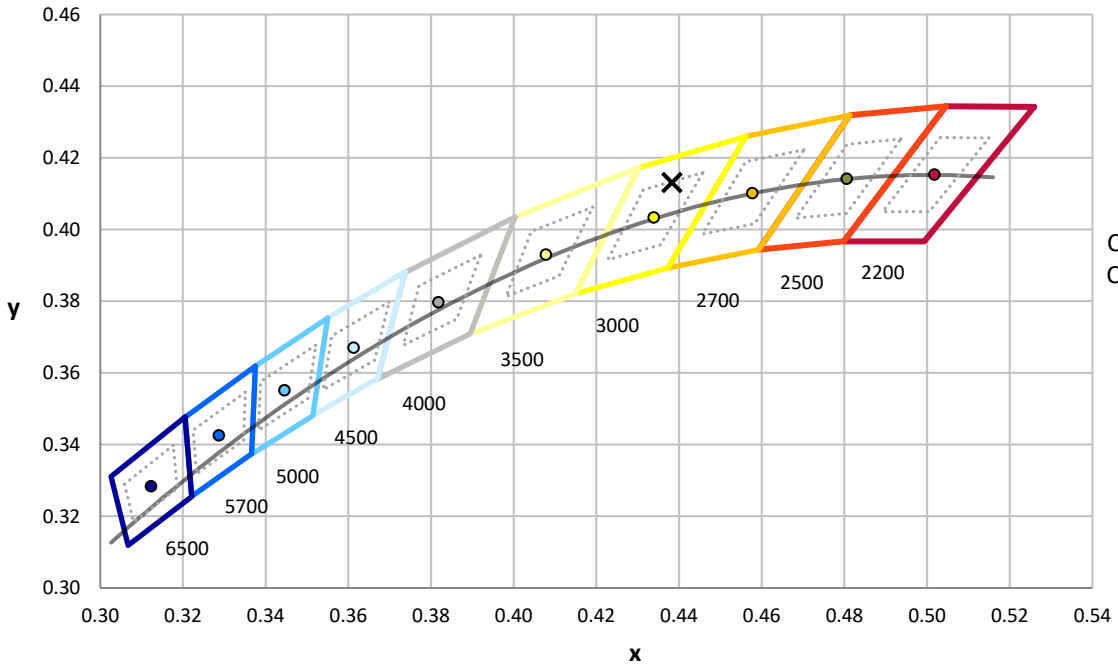
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

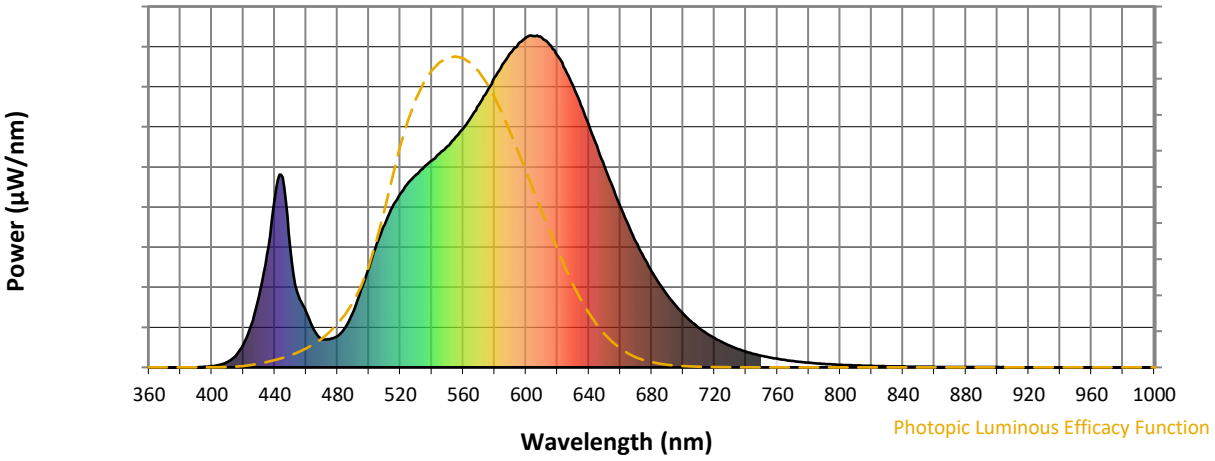


CCT = 3050K
CIE x = 0.4383
CIE y = 0.4131
Duv = 0.0034

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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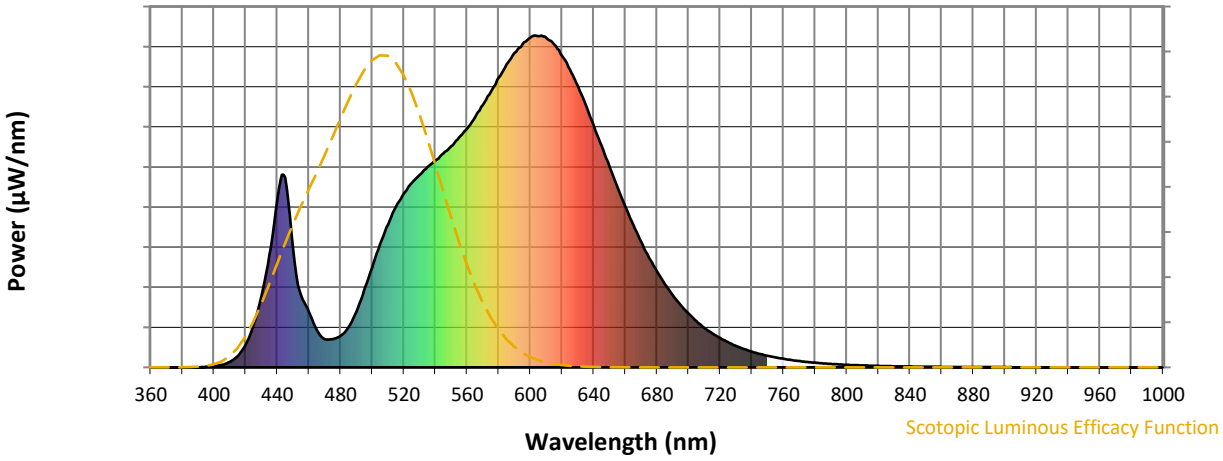
Scotopic Flux vs. Wavelength



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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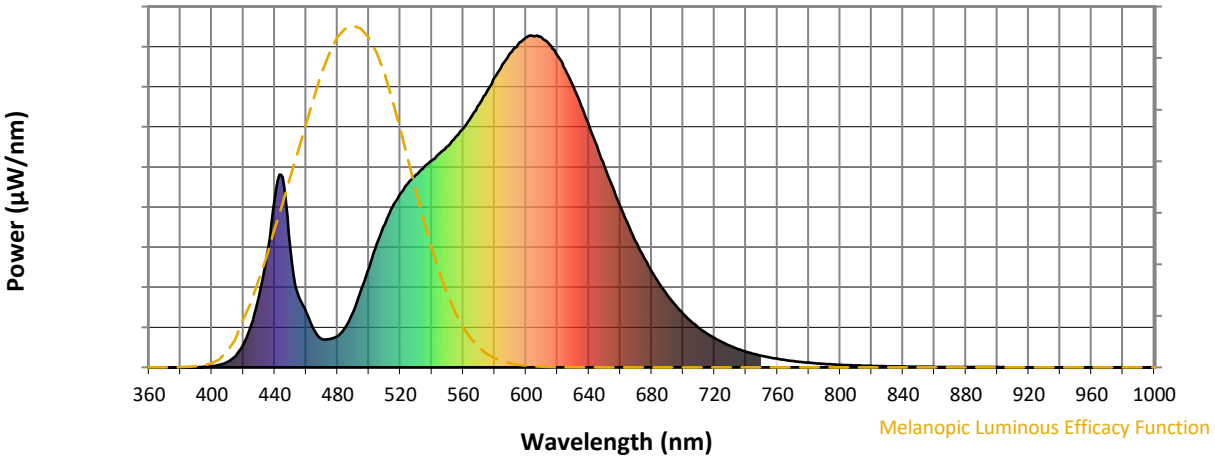
Melanopic Flux vs. Wavelength



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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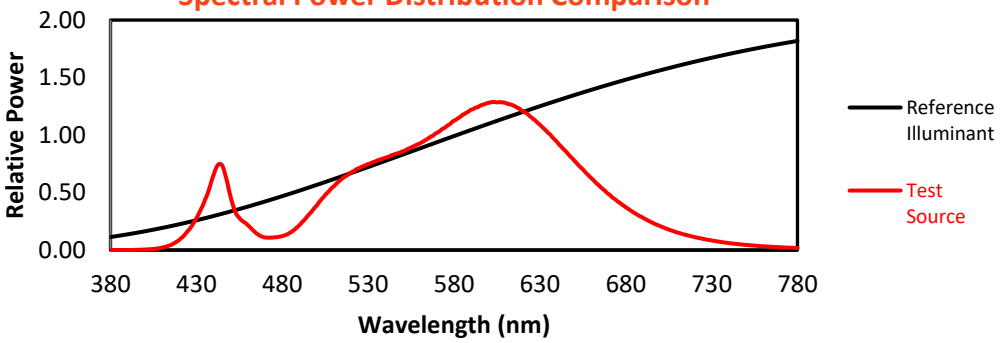
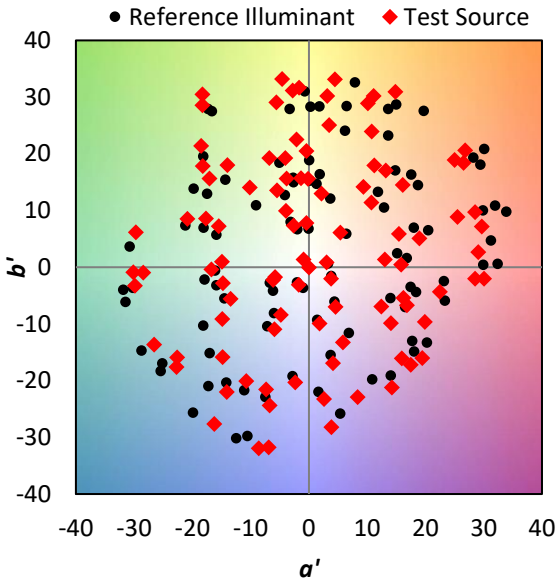
Summary

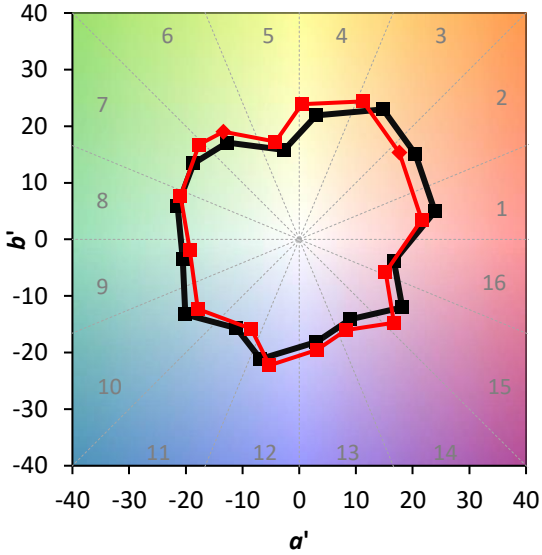
R_f = 81.5
R_g = 99.2
CIE R_a = 81.0
R_9 = 7.1

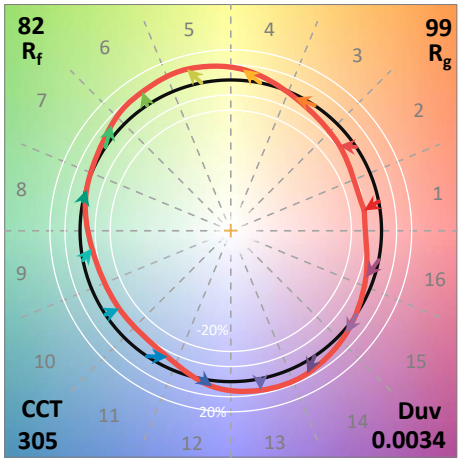
Spectral Power Distribution Comparison

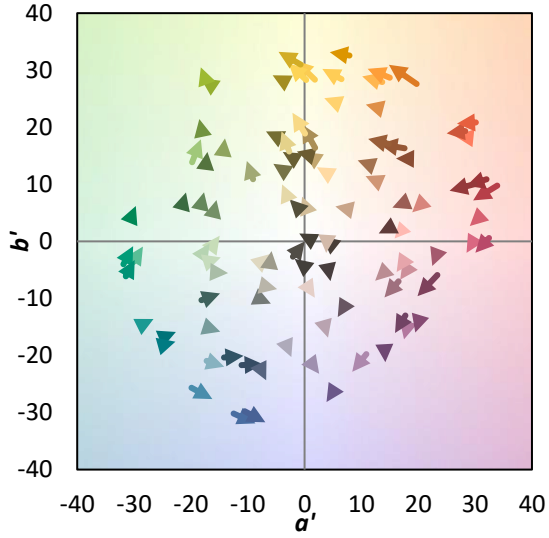


Color Vector Graphics









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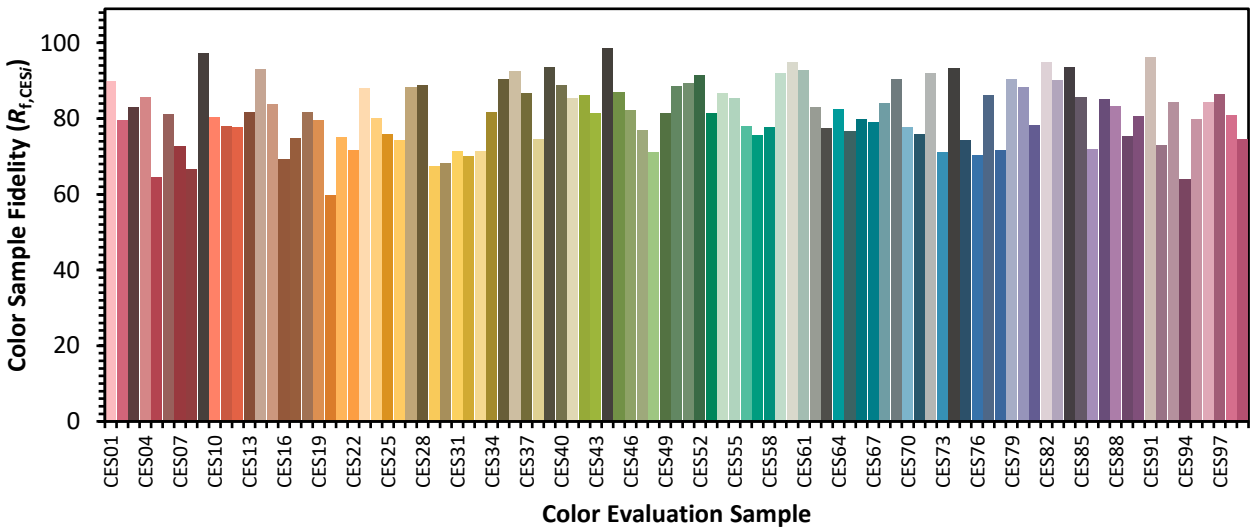
Individual Sample Fidelity Index ($R_{f,i}$)

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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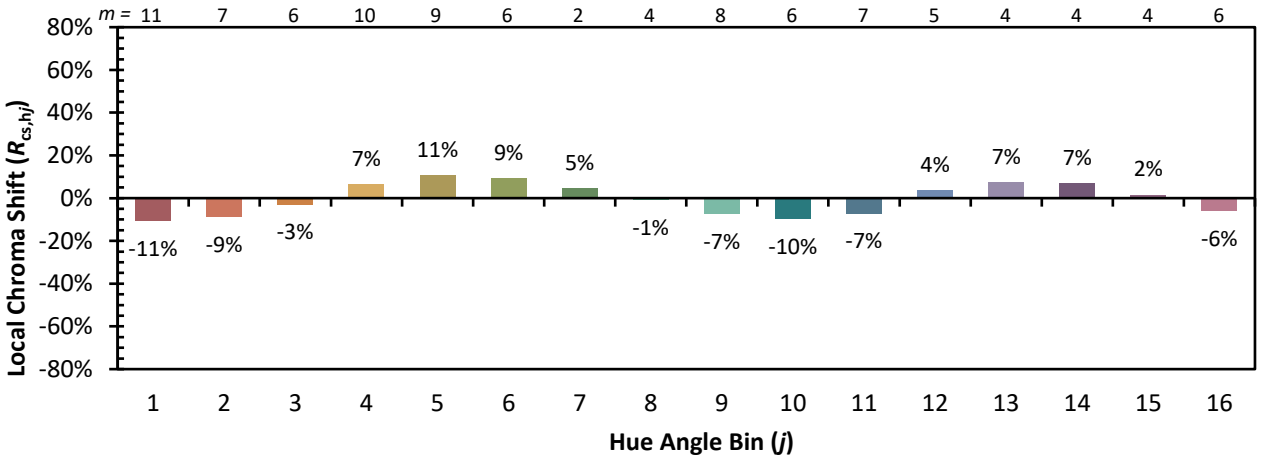
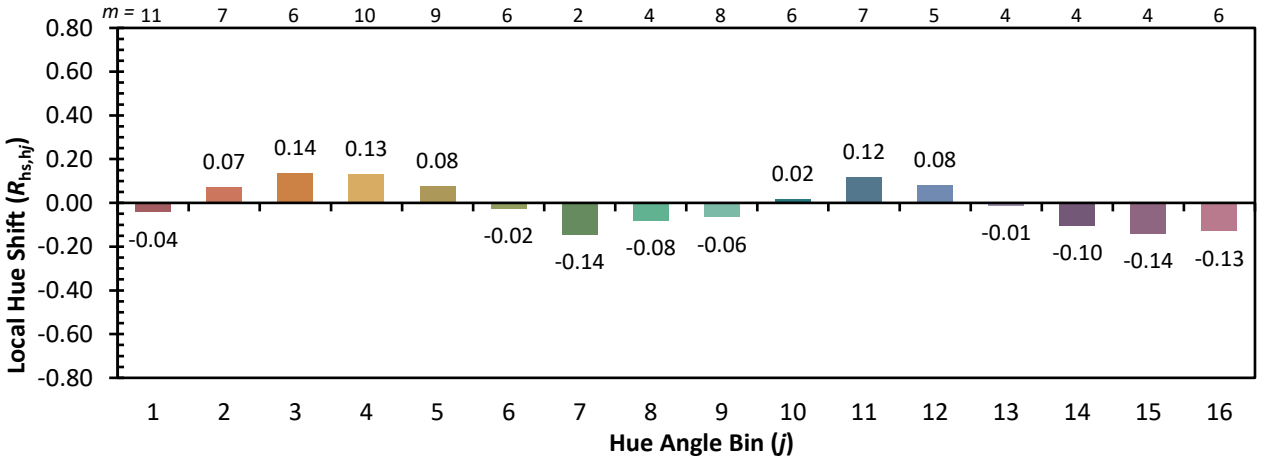
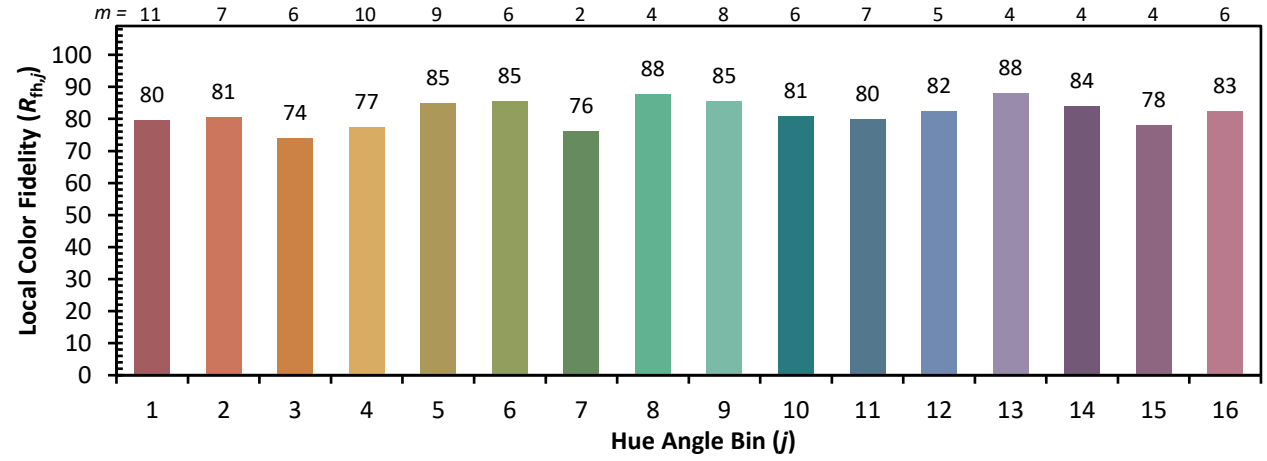
Color Rendition by Hue-Angle Bin







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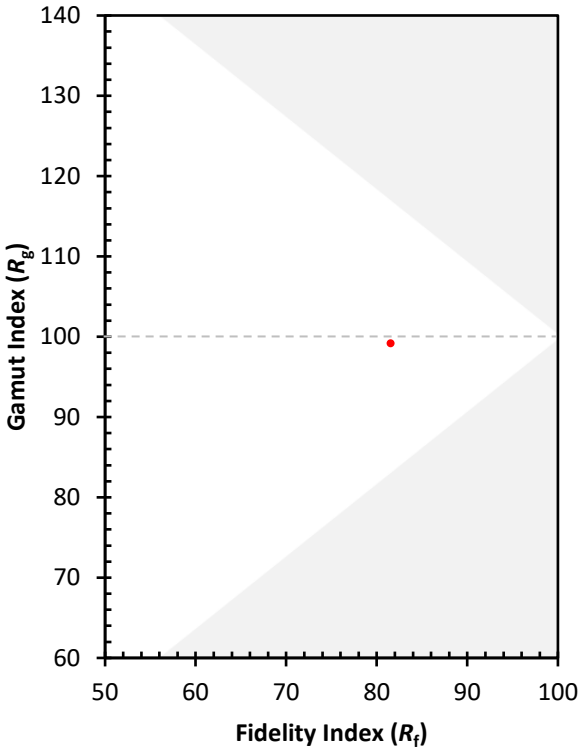
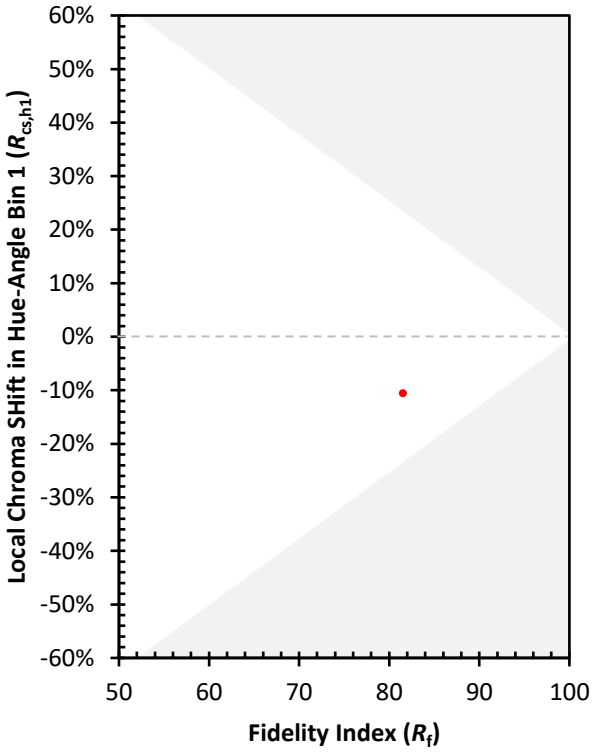
Measure Comparisons





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