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: P632555

Luminaire Tested: GWS-SA2C-830-U-T2R-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:	P632555
	TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-11)
Test Lab:	COOPER LIGHTING SOLUTIONS
Issue Date:	1/10/2023
Manufacturer:	COOPER LIGHTING SOLUTIONS
Product Line:	McGRAW-EDISON
Catalog Number:	GWS-SA2C-830-U-T2R-W
Description:	GALLEON WALL SLIM LUMINAIRE. (2) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II ROADWAY OPTICS
Light Source:	(32) 3000K CCT, 80 CRI LEDS
Ballast/Driver:	-

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	7497 lumens
Efficiency:	N/A
Efficacy:	118.6 lumens/watt
Luminous Opening:	Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification:	Type II - Short
BUG Rating:	B1 - U0 - G1

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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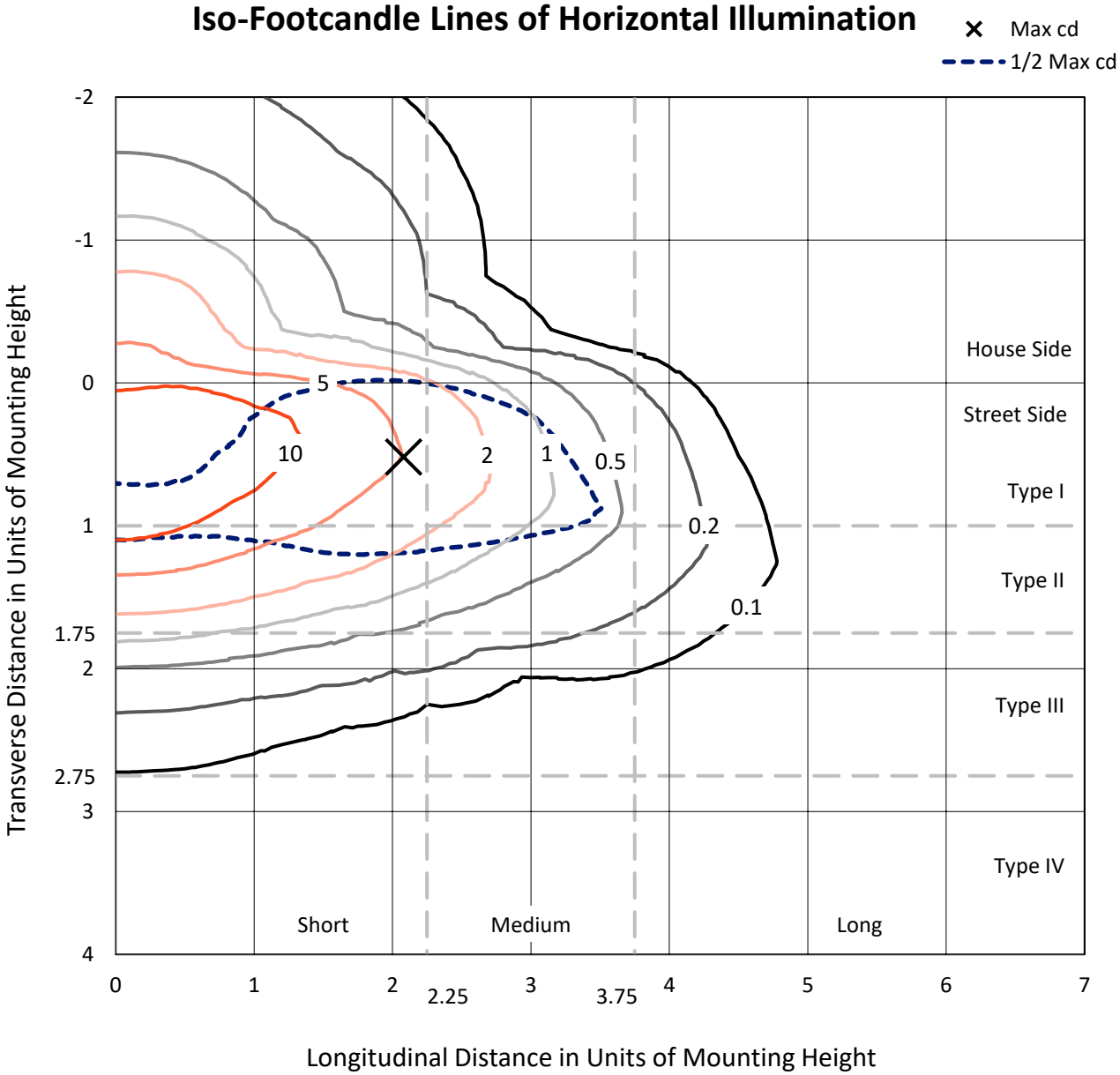
Scaled Data Report

REPORT NUMBER: P632555
CATALOG NUMBER: GWS-SA2C-830-U-T2R-W

Iso-Footcandle Lines of Horizontal Illumination



Based on 10 foot mounting height. Maximum calculated value = 18.4 fc
Type II - Short - N/A

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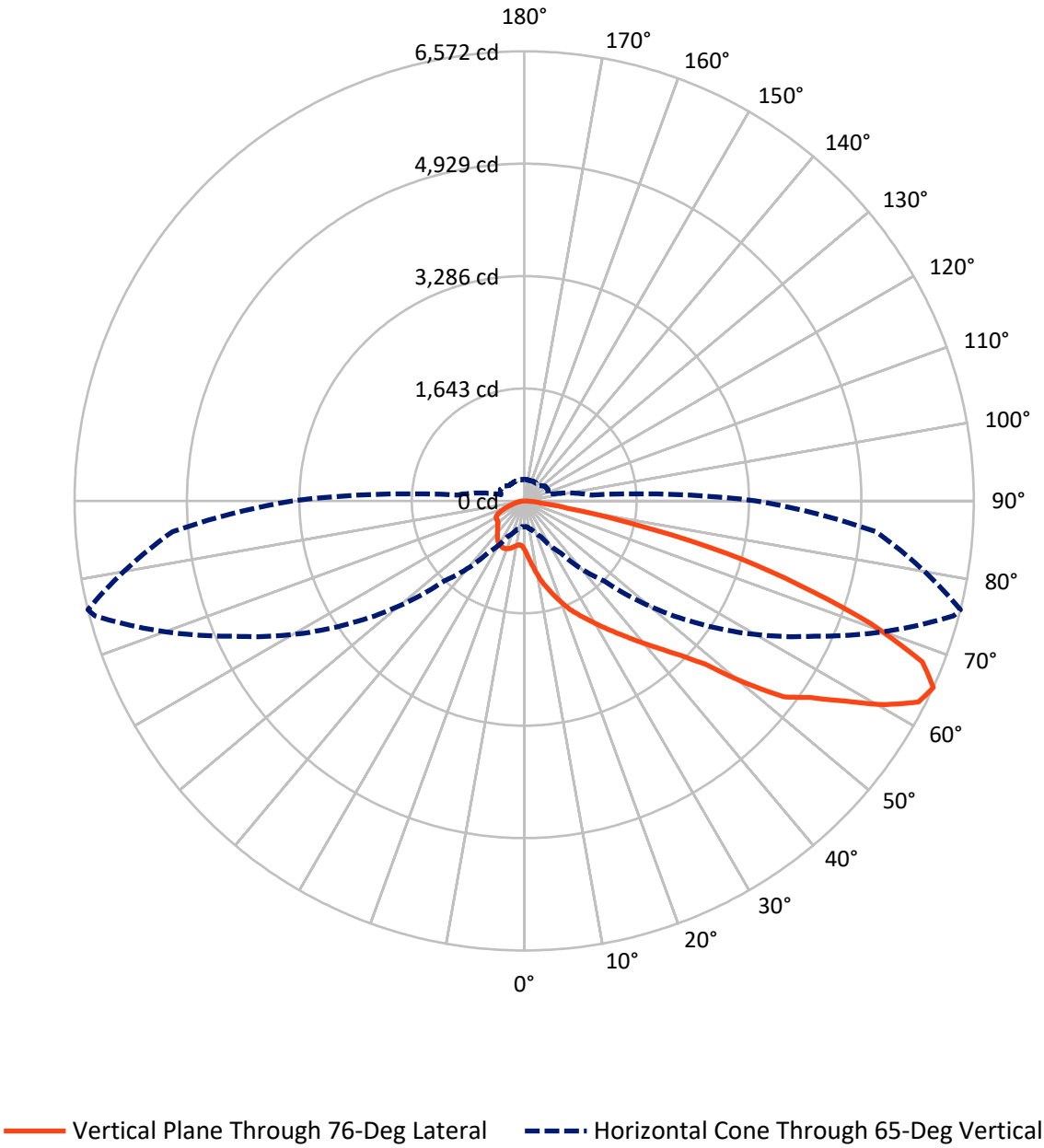
REPORT NUMBER: P632555
CATALOG NUMBER: GWS-SA2C-830-U-T2R-W

Luminous Intensity Polar Plot



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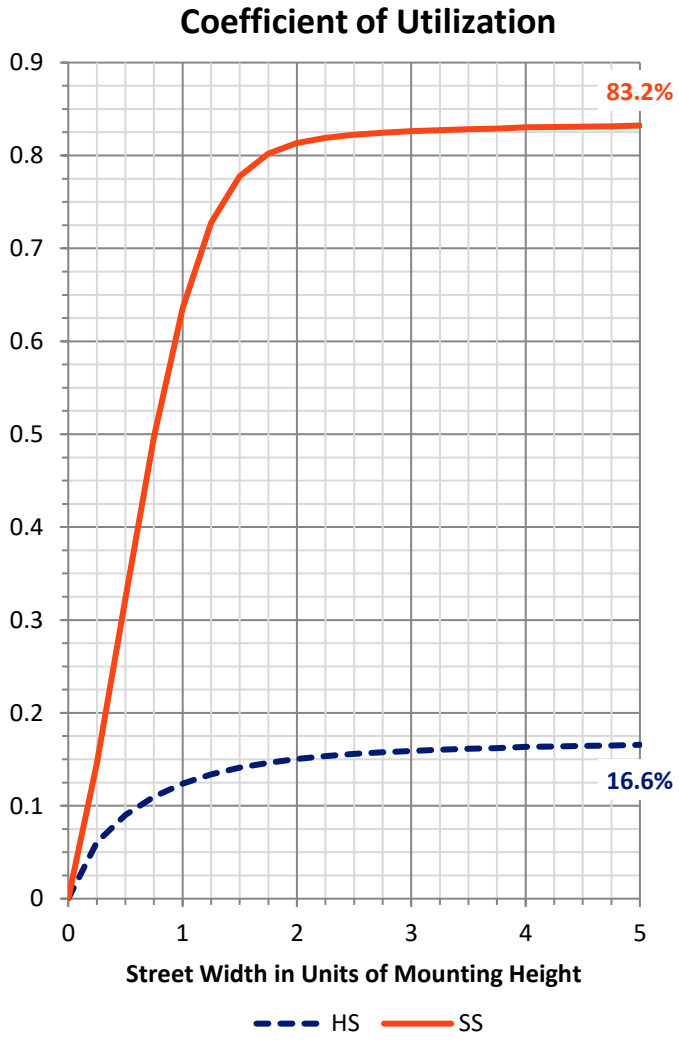
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1253.1	0.0	1253.1
	% Fixture	16.7	0.0	16.7
Street Side	Lumens	6243.9	0.0	6243.9
	% Fixture	83.3	0.0	83.3
Total	Lumens	7497.0	0.0	7497.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	84.3	1.1
10°-20°	321.3	4.3
20°-30°	626.1	8.4
30°-40°	1047.1	14.0
40°-50°	1499.2	20.0
50°-60°	1774.9	23.7
60°-70°	1475.8	19.7
70°-80°	603.9	8.1
80°-90°	64.3	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°	7497.0	100.0
0°-180°	7497.0	100.0



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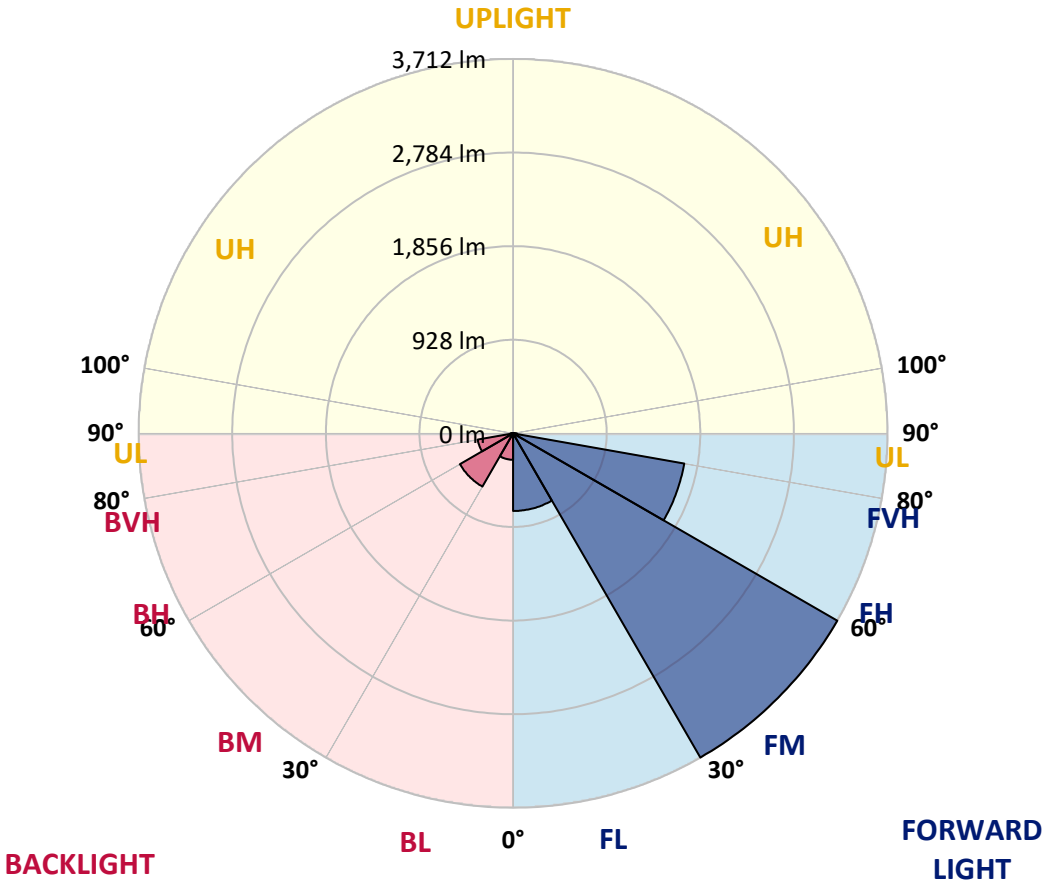
REPORT NUMBER: P632555
CATALOG NUMBER: GWS-SA2C-830-U-T2R-W

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	769.5	10.3			
FM	(30°-60°)	3712.2	49.5			
FH	(60°-80°)	1723.8	23.0			G1/1800
FVH	(80°-90°)	38.3	0.5			G1/100
BL	(0°-30°)	262.2	3.5	B1/500		
BM	(30°-60°)	609.0	8.1	B1/1000		
BH	(60°-80°)	356.0	4.7	B1/500		G1/500
BVH	(80°-90°)	25.9	0.3			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 II Short



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Scaled Data Report

REPORT NUMBER: P632555
CATALOG NUMBER: GWS-SA2C-830-U-T2R-W

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	76°	85°
0°	709.9	709.9	709.9	709.9	709.9	709.9	709.9	709.9	709.9	*709.9*	709.9
2.5°	995.1	998.8	986.6	982.4	954.0	915.5	883.3	834.8	790.0	*783.2*	743.1
5°	1263.9	1248.1	1234.4	1225.4	1185.9	1142.1	1074.1	983.0	887.6	*876.0*	789.5
7.5°	1423.6	1420.9	1404.1	1398.8	1368.2	1324.5	1254.4	1141.1	1002.5	*983.5*	852.2
10°	1551.6	1550.1	1541.6	1546.4	1518.4	1475.7	1407.8	1290.7	1128.4	*1109.4*	922.3
12.5°	1663.4	1666.0	1664.4	1681.8	1667.6	1634.4	1563.8	1435.2	1254.4	*1233.8*	1007.7
15°	1745.1	1747.2	1755.1	1793.0	1800.9	1794.1	1722.4	1576.9	1378.8	*1349.3*	1095.7
17.5°	1768.3	1772.5	1791.4	1852.6	1895.3	1923.7	1870.5	1721.3	1501.0	*1468.9*	1185.3
20°	1799.4	1804.1	1823.1	1886.8	1949.6	2014.4	2004.9	1867.9	1624.4	*1598.0*	1276.0
22.5°	1943.2	1939.5	1931.1	1961.7	2006.5	2087.1	2110.8	2008.6	1751.9	*1726.6*	1376.1
25°	2220.5	2213.6	2159.9	2131.9	2117.2	2166.2	2208.3	2136.7	1876.3	*1838.4*	1469.4
27.5°	2526.2	2522.5	2454.0	2387.5	2296.9	2275.8	2300.6	2248.4	1997.0	*1958.5*	1550.6
30°	2815.5	2804.4	2732.8	2649.5	2528.3	2437.6	2401.2	2358.0	2129.3	*2089.2*	1645.5
32.5°	3074.3	3060.1	2975.7	2883.5	2756.5	2649.5	2540.9	2474.5	2279.0	*2232.6*	1742.4
35°	3286.7	3272.5	3186.0	3088.0	2948.3	2869.3	2720.6	2601.0	2431.3	*2384.4*	1856.8
37.5°	3451.1	3438.0	3347.8	3251.4	3129.6	3066.9	2937.8	2743.3	2606.8	*2557.8*	1978.0
40°	3543.4	3533.9	3461.7	3385.3	3283.0	3228.7	3170.7	2923.0	2803.4	*2754.4*	2120.9
42.5°	3571.3	3565.0	3514.4	3474.8	3405.8	3364.7	3397.9	3134.4	3013.2	*2970.5*	2281.6
45°	3501.2	3501.2	3486.4	3506.5	3509.6	3509.1	3625.6	3373.1	3270.9	*3224.0*	2508.2
47.5°	3322.0	3333.6	3355.2	3453.8	3557.6	3644.6	3891.7	3691.5	3602.4	*3563.9*	2829.2
50°	2994.2	3025.8	3099.6	3292.0	3512.8	3734.2	4143.7	4162.1	4247.0	*4179.0*	3301.4
52.5°	2514.0	2509.3	2697.4	2971.5	3308.3	3737.8	4282.3	4577.4	4805.7	*4758.7*	3652.5
55°	1998.1	1990.1	2165.7	2543.5	2994.7	3596.6	4365.6	4767.7	5115.6	*5073.4*	3968.2
57.5°	1530.0	1520.0	1676.0	2017.0	2552.0	3296.7	4349.8	4994.3	5541.9	*5520.3*	4397.2
60°	1053.0	1040.9	1186.9	1485.2	2028.1	2838.2	4174.8	5110.8	6041.1	*6048.4*	4856.3
62.5°	632.5	625.6	731.5	962.9	1458.9	2270.0	3765.3	5040.2	6438.5	*6471.7*	5151.4
65°	*381.6*	*376.8*	*439.0*	*574.5*	*925.5*	*1656.5*	*3133.8*	*4679.2*	*6495.9*	*6572.3*	*5158.3*
67.5°	277.8	278.3	296.2	350.0	539.7	1069.9	2351.7	4031.9	6196.5	*6275.6*	4833.1
70°	241.4	242.4	251.9	264.1	326.2	612.4	1529.0	3182.9	5311.6	*5372.8*	4053.6
72.5°	214.5	214.5	220.8	227.2	255.1	373.2	819.0	2224.7	4192.2	*4208.5*	3093.8
75°	188.7	187.1	190.3	193.4	221.4	260.9	398.5	1550.1	3096.4	*3058.5*	1999.6
77.5°	150.2	148.6	149.2	152.3	177.6	186.6	201.9	968.2	1745.1	*1647.0*	883.3
80°	107.0	105.9	111.7	119.6	131.2	114.4	126.5	468.5	692.0	*644.1*	342.6
82.5°	63.8	65.9	74.8	81.2	90.7	71.7	81.7	156.5	245.1	*238.8*	139.1
85°	9.0	9.5	26.9	31.1	39.0	27.9	43.2	70.6	98.0	*104.9*	49.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	3.7	12.6	27.9	*28.5*	12.1
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: P632555
CATALOG NUMBER: GWS-SA2C-830-U-T2R-W

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	709.9	709.9	709.9	709.9	709.9	709.9	709.9	709.9	709.9	709.9	709.9
2.5°	722.6	697.8	662.5	633.0	608.2	588.2	571.3	558.7	555.0	549.7	549.7
5°	748.9	704.1	640.9	596.1	570.3	555.0	544.4	539.2	536.5	533.4	531.8
7.5°	785.3	722.6	637.2	591.9	571.9	562.4	555.5	552.3	550.2	547.1	547.1
10°	835.4	750.0	648.8	606.6	590.8	581.3	573.4	568.2	563.4	558.7	557.6
12.5°	889.7	785.8	669.9	626.7	609.8	598.2	587.1	579.2	573.4	567.6	566.1
15°	949.7	822.7	692.5	646.2	625.1	609.3	596.1	584.0	576.1	567.6	566.6
17.5°	1008.8	860.1	711.5	659.3	632.5	613.0	594.0	578.2	568.2	558.7	556.0
20°	1079.4	897.6	724.7	663.0	630.9	605.1	582.4	562.4	551.3	540.2	538.6
22.5°	1144.2	932.4	731.0	657.8	618.8	588.2	561.8	540.2	528.1	517.0	514.9
25°	1206.9	962.9	728.4	645.1	600.3	565.0	537.6	516.0	504.4	492.8	489.6
27.5°	1267.6	983.5	717.8	625.6	577.1	539.2	512.8	493.3	483.3	473.3	469.1
30°	1327.1	1002.5	701.5	600.3	547.6	512.3	490.7	477.0	467.0	456.4	453.3
32.5°	1387.2	1016.2	676.7	570.8	517.6	488.6	475.4	465.4	454.8	444.3	441.1
35°	1447.8	1022.0	646.7	537.1	492.3	473.3	468.5	457.0	442.7	430.1	425.9
37.5°	1520.0	1027.2	609.3	503.9	470.1	465.9	464.9	447.5	430.6	413.2	408.5
40°	1607.0	1034.1	570.8	473.8	452.2	463.3	459.1	435.3	401.6	384.7	379.5
42.5°	1713.4	1046.7	530.7	446.4	439.0	453.3	448.5	405.8	383.2	373.7	371.0
45°	1870.0	1093.1	490.7	424.8	429.0	439.0	431.7	388.4	379.5	373.2	370.0
47.5°	2148.8	1164.3	455.9	408.5	421.1	426.4	397.9	383.7	376.8	368.4	364.7
50°	2438.7	1195.4	428.0	398.5	412.2	414.8	379.5	377.4	372.6	363.7	360.0
52.5°	2634.7	1191.1	411.1	394.8	404.8	394.8	371.0	370.5	367.4	356.8	352.6
55°	2856.1	1198.5	403.7	395.8	401.6	361.0	360.5	362.1	360.5	348.9	346.8
57.5°	3154.9	1221.2	400.0	399.5	399.5	344.7	350.5	352.6	349.4	344.2	342.6
60°	3442.2	1222.8	393.2	403.7	397.9	334.7	338.9	341.0	337.3	336.3	335.7
62.5°	3550.2	1146.9	377.9	400.6	391.6	323.6	326.8	327.8	324.1	326.8	326.2
65°	*3389.5*	*985.6*	*352.6*	*385.3*	*372.1*	*313.6*	*311.5*	*314.1*	*307.8*	*314.6*	*315.2*
67.5°	3009.5	783.2	314.1	356.3	344.7	302.5	298.3	298.3	287.8	298.3	297.8
70°	2426.5	553.4	257.7	309.9	314.6	289.4	287.2	275.1	258.3	274.1	272.5
72.5°	1839.4	397.4	202.9	245.1	270.9	270.9	271.4	250.9	231.4	238.8	232.4
75°	1165.3	279.9	162.3	187.6	212.4	237.7	249.8	211.9	194.5	191.3	188.2
77.5°	524.9	183.9	126.5	143.9	150.7	187.6	228.2	182.4	158.6	151.8	149.7
80°	219.8	114.4	90.1	101.7	92.8	157.6	201.3	141.8	116.5	107.0	100.1
82.5°	96.5	68.0	57.4	54.8	58.0	117.0	150.2	94.3	72.7	98.6	99.6
85°	40.6	35.8	29.5	26.9	23.7	44.8	70.6	36.9	45.3	25.8	21.1
87.5°	9.5	10.5	7.9	5.3	3.2	0.5	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

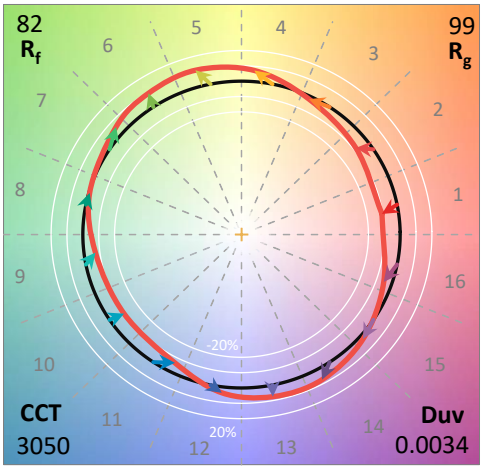
Test Information

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

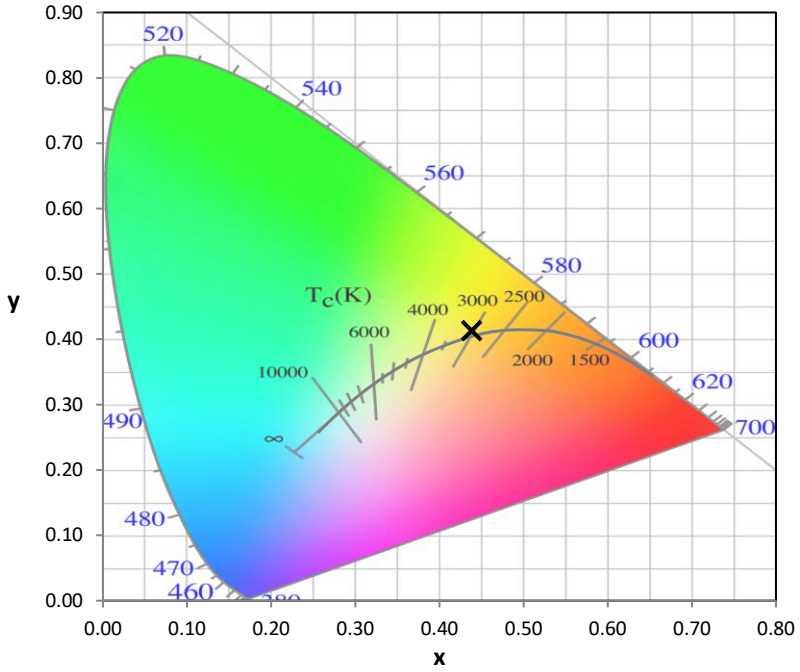
Stabilization Time:	20M
Operation Time:	1H 20M
Sphere Temperature (°C):	24.2

REPORT NUMBER: SP1-2408-195-9

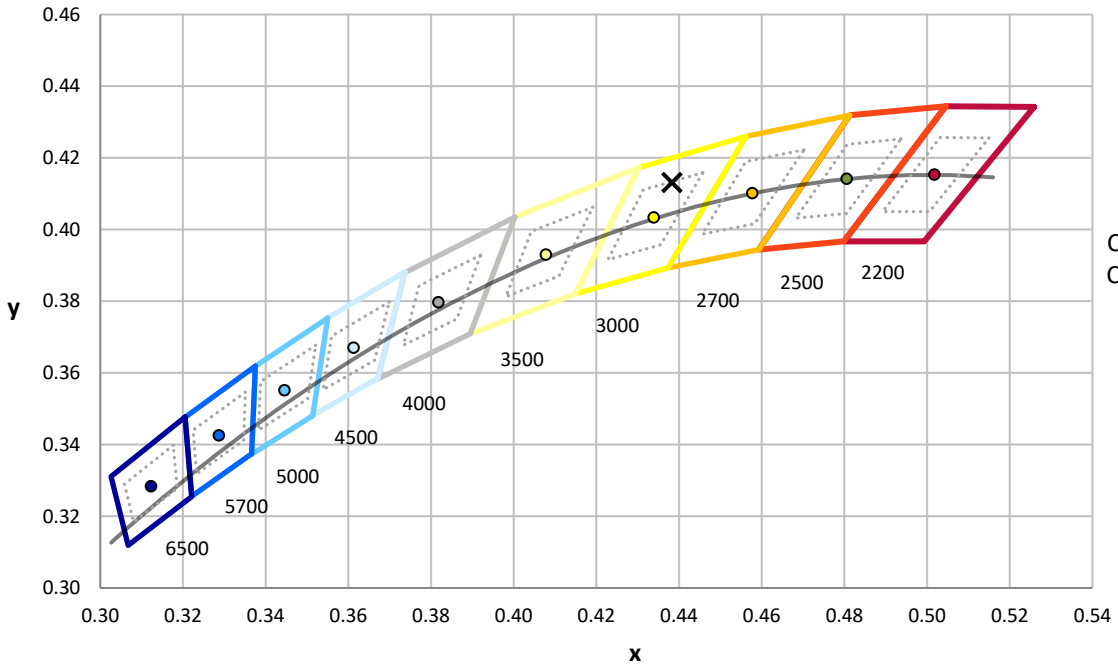
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

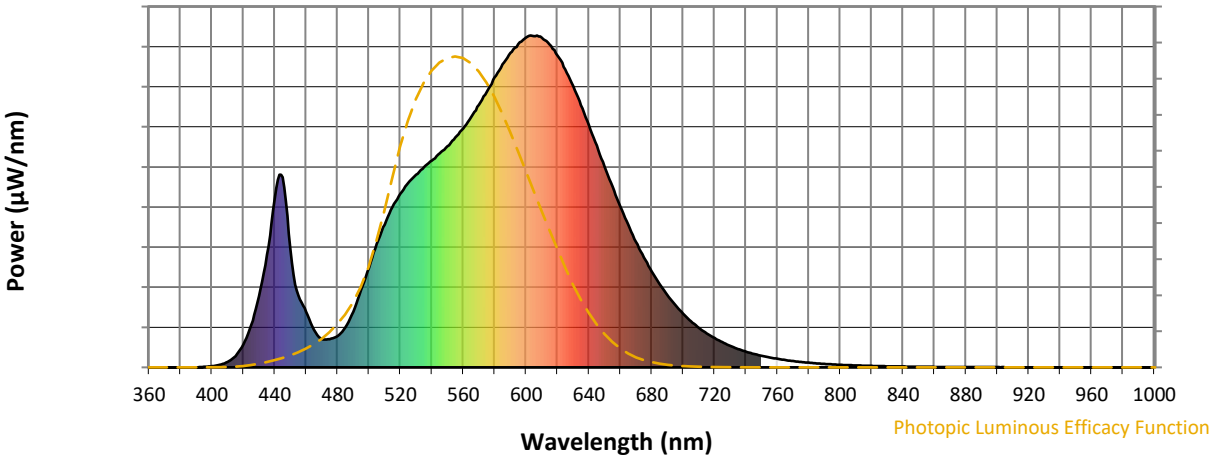


CCT = 3050K
CIE x = 0.4383
CIE y = 0.4131
Duv = 0.0034

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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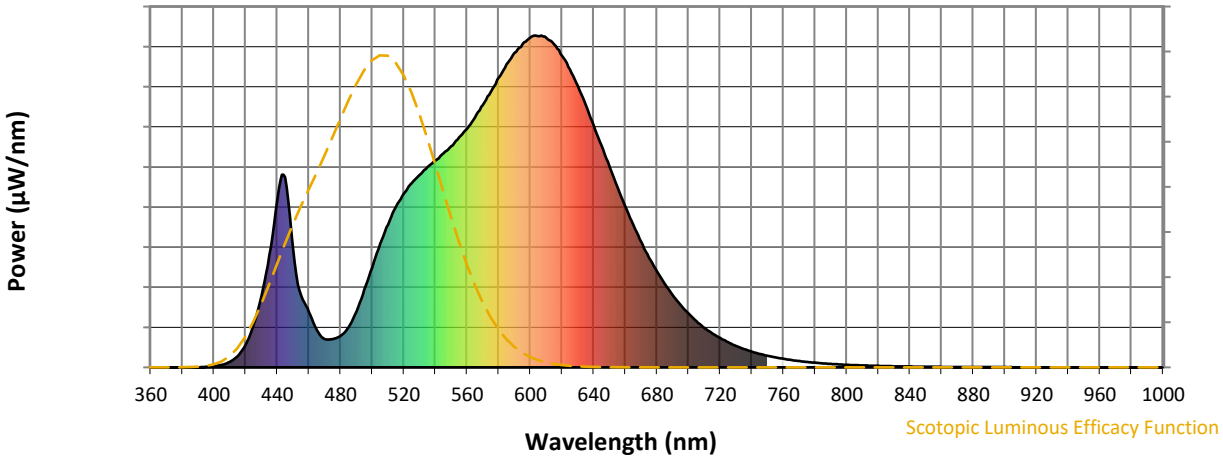
Scotopic Flux vs. Wavelength



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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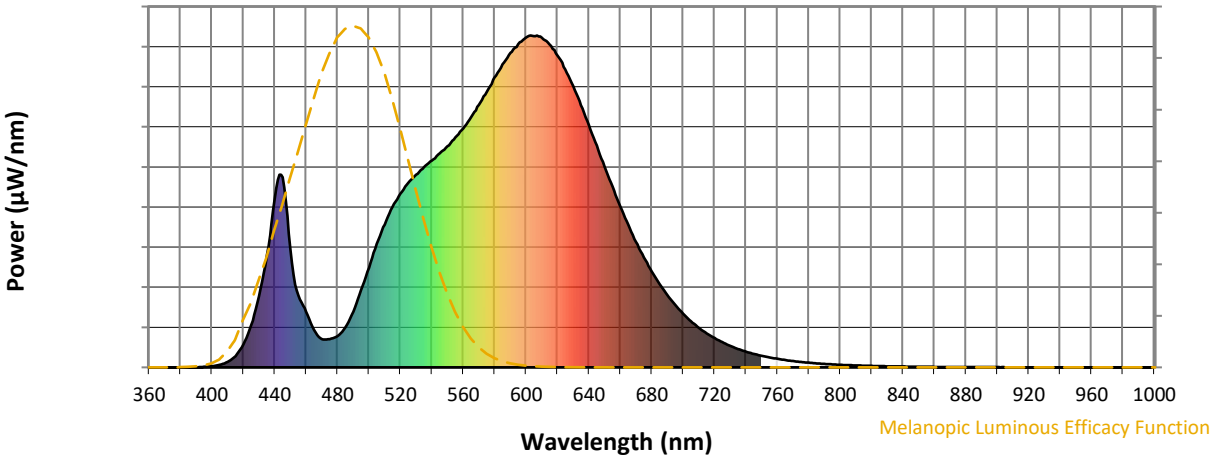
Melanopic Flux vs. Wavelength



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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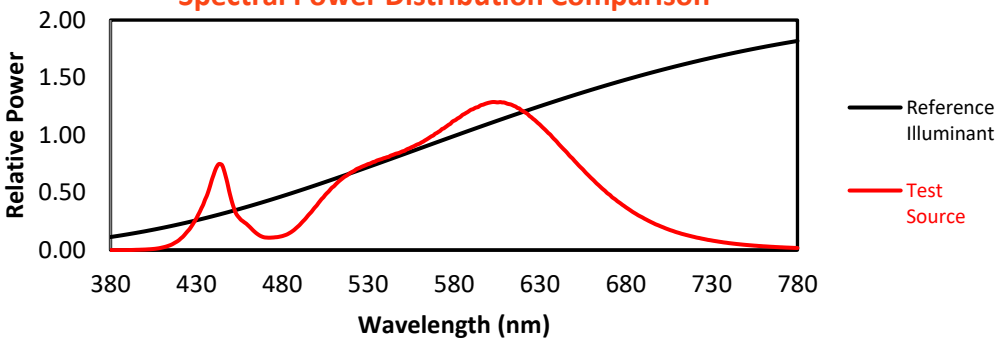
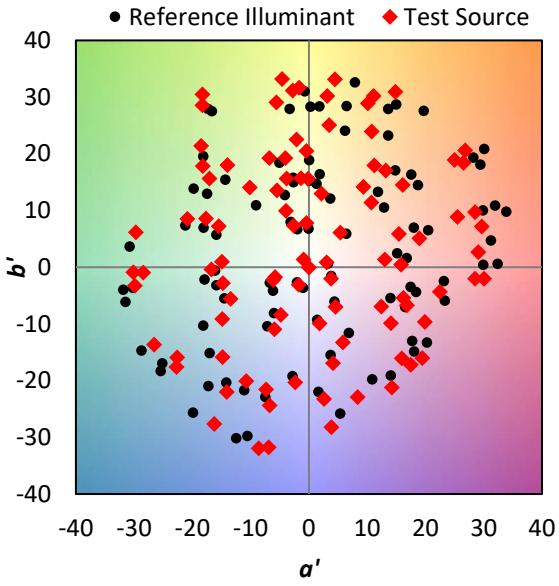
Summary

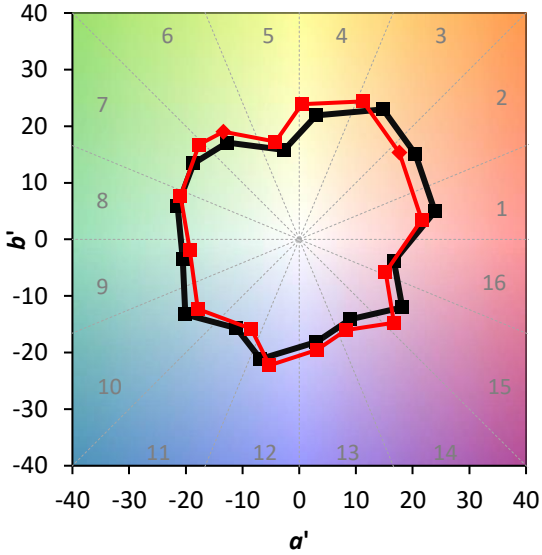
R_f = 81.5
R_g = 99.2
CIE R_a = 81.0
R_9 = 7.1

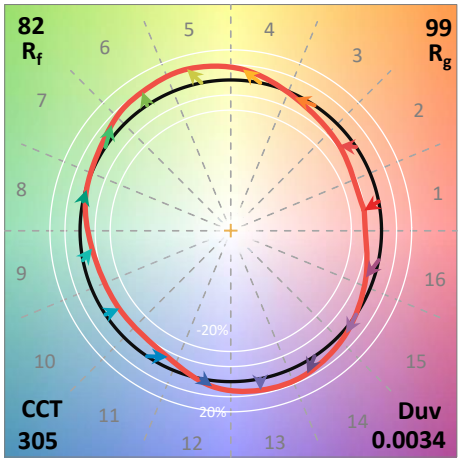
Spectral Power Distribution Comparison

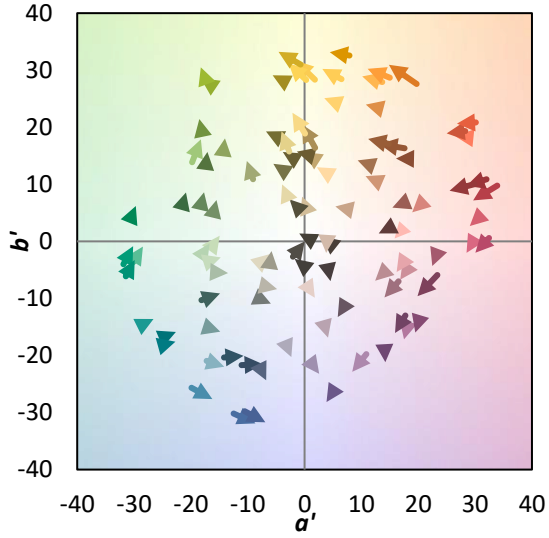


Color Vector Graphics









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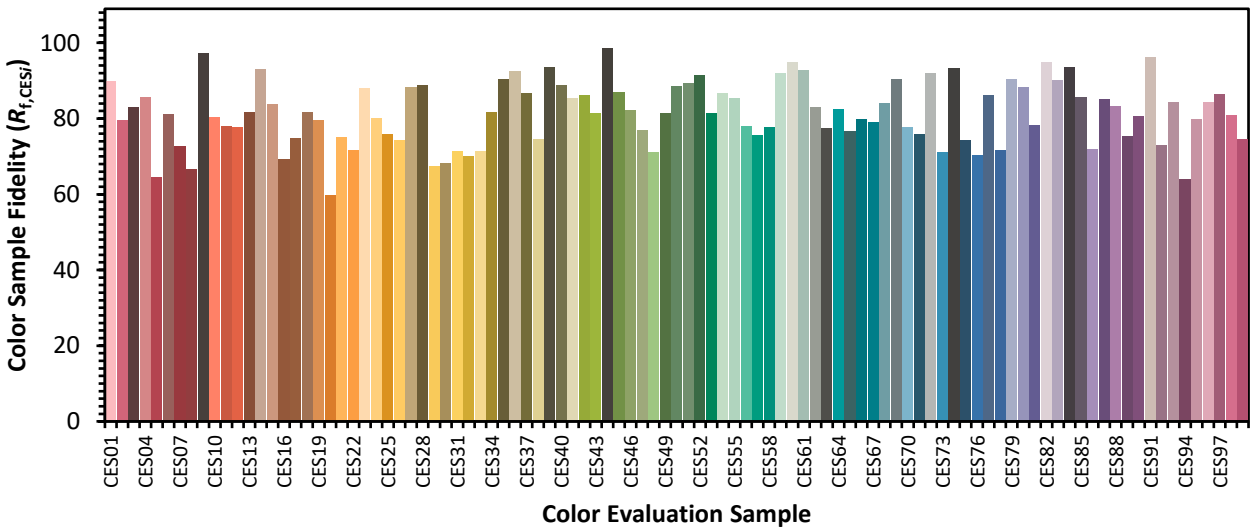
Individual Sample Fidelity Index ($R_{f,i}$)

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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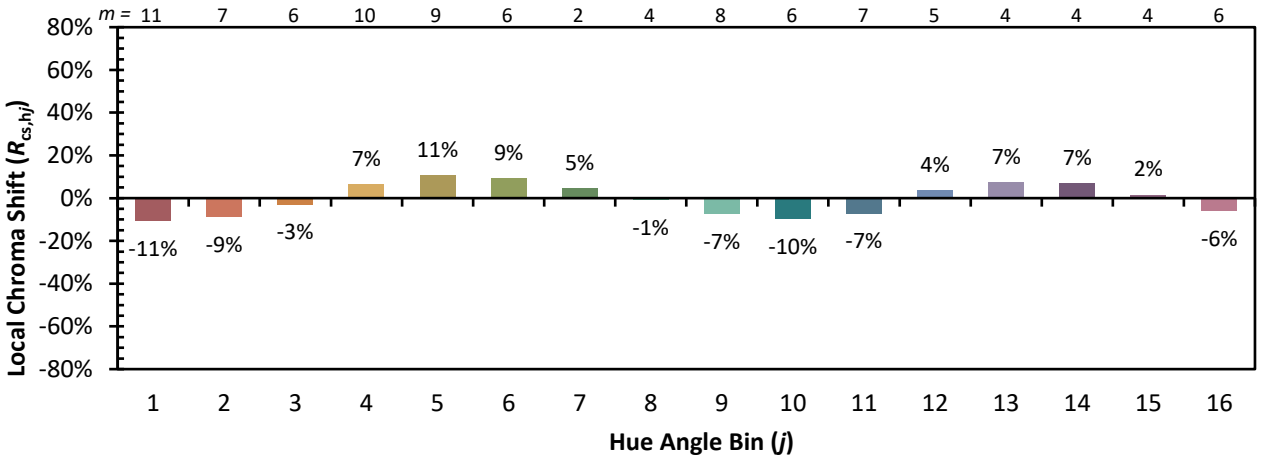
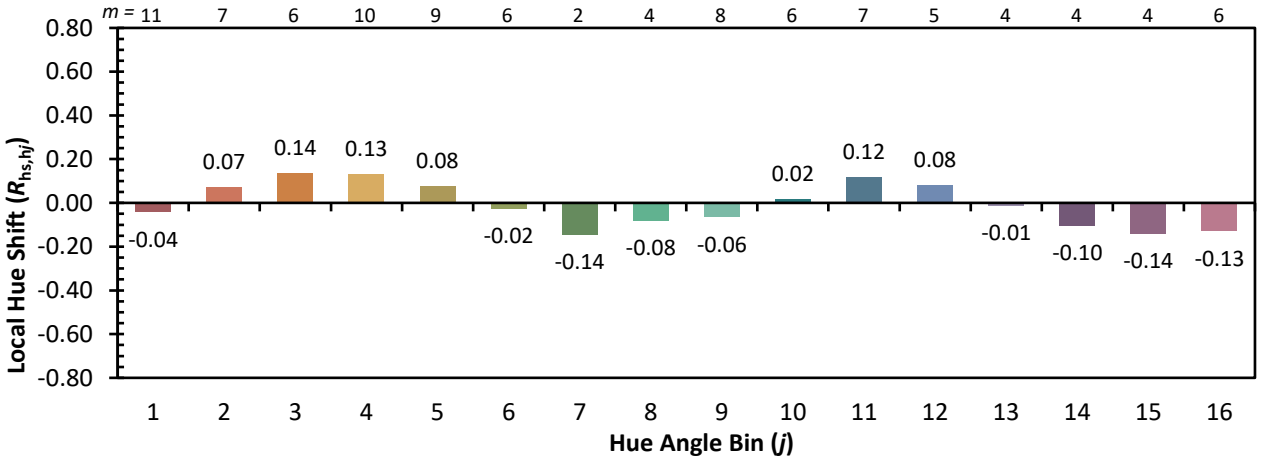
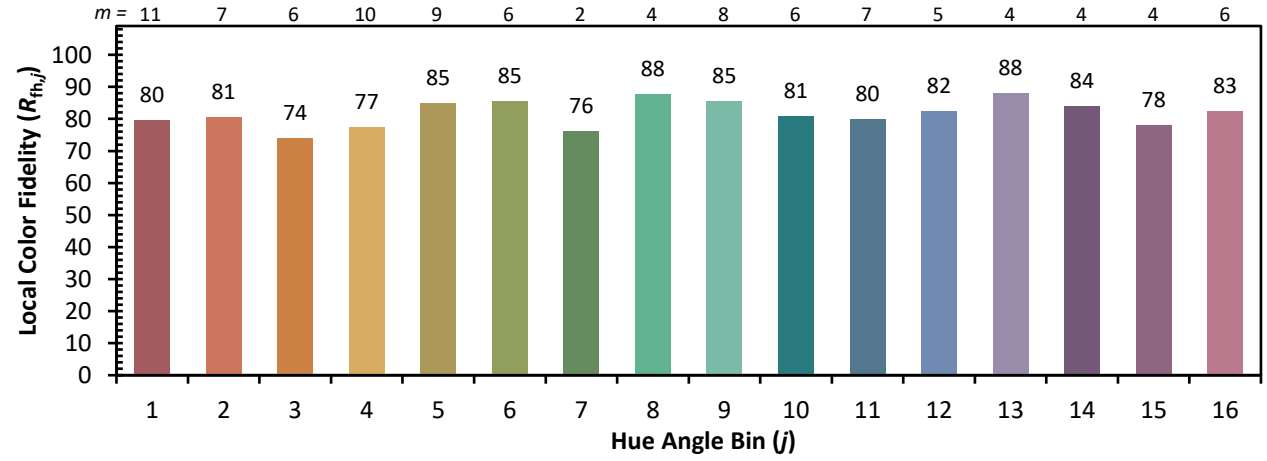
Color Rendition by Hue-Angle Bin







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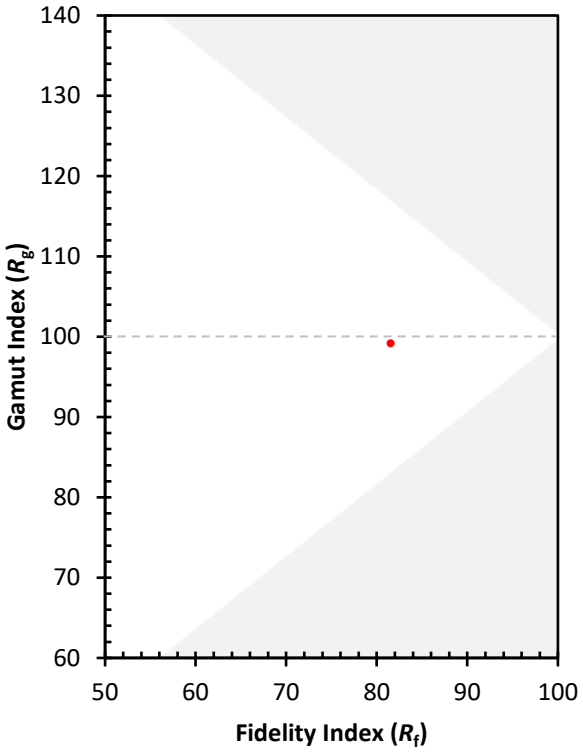
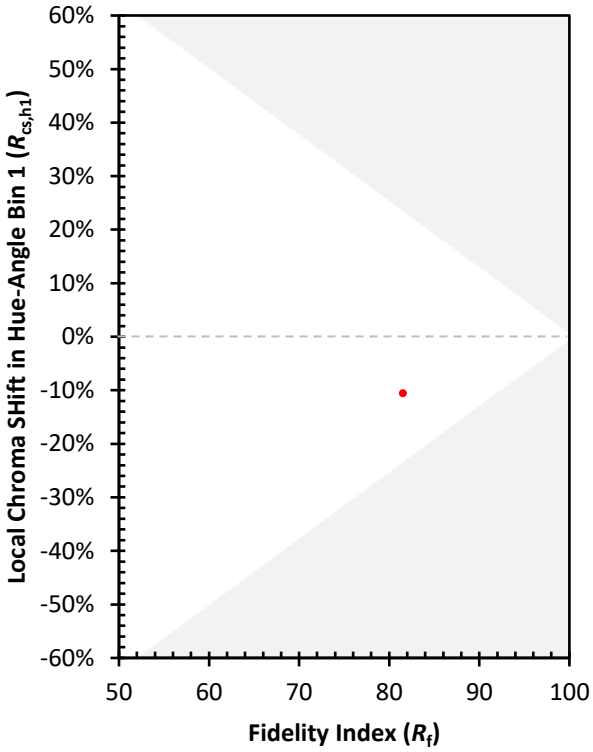
Measure Comparisons





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