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: P630080

Luminaire Tested: GWS-SA1C-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:	P630080
	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-SA1C-830-U-T2R-W
Description:	GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II ROADWAY OPTICS
Light Source:	(16) 3000K CCT, 80 CRI LEDS
Ballast/Driver:	-

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	3893.4 lumens
Efficiency:	N/A
Efficacy:	114.2 lumens/watt
Luminous Opening:	Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification:	Type II - Short
BUG Rating:	B1 - U0 - G1

Input Watts (W):	34.1
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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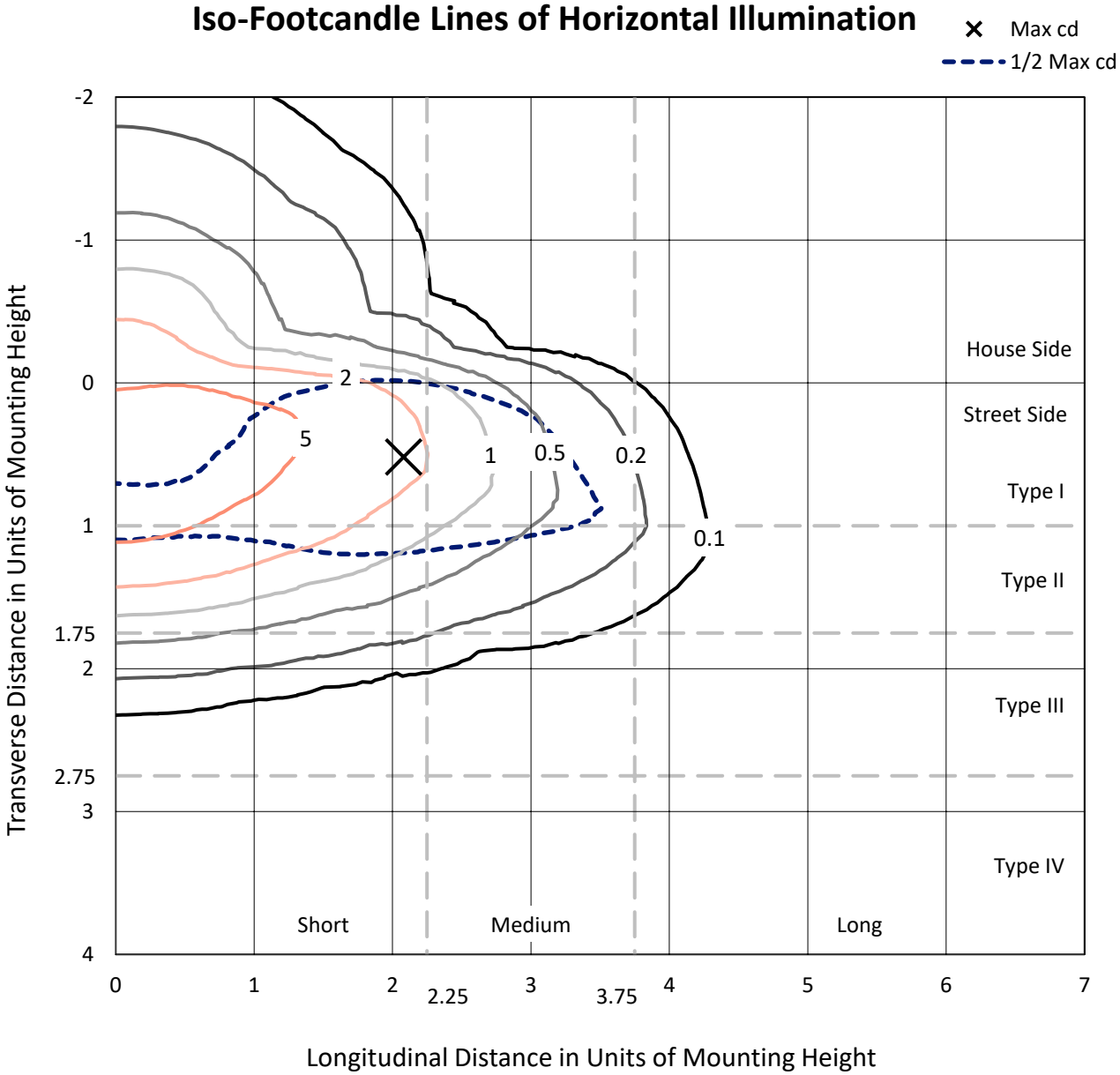
REPORT NUMBER: P630080
CATALOG NUMBER: GWS-SA1C-830-U-T2R-W

Iso-Footcandle Lines of Horizontal Illumination



Based on 10 foot mounting height. Maximum calculated value = 9.6 fc
Type II - Short - N/A

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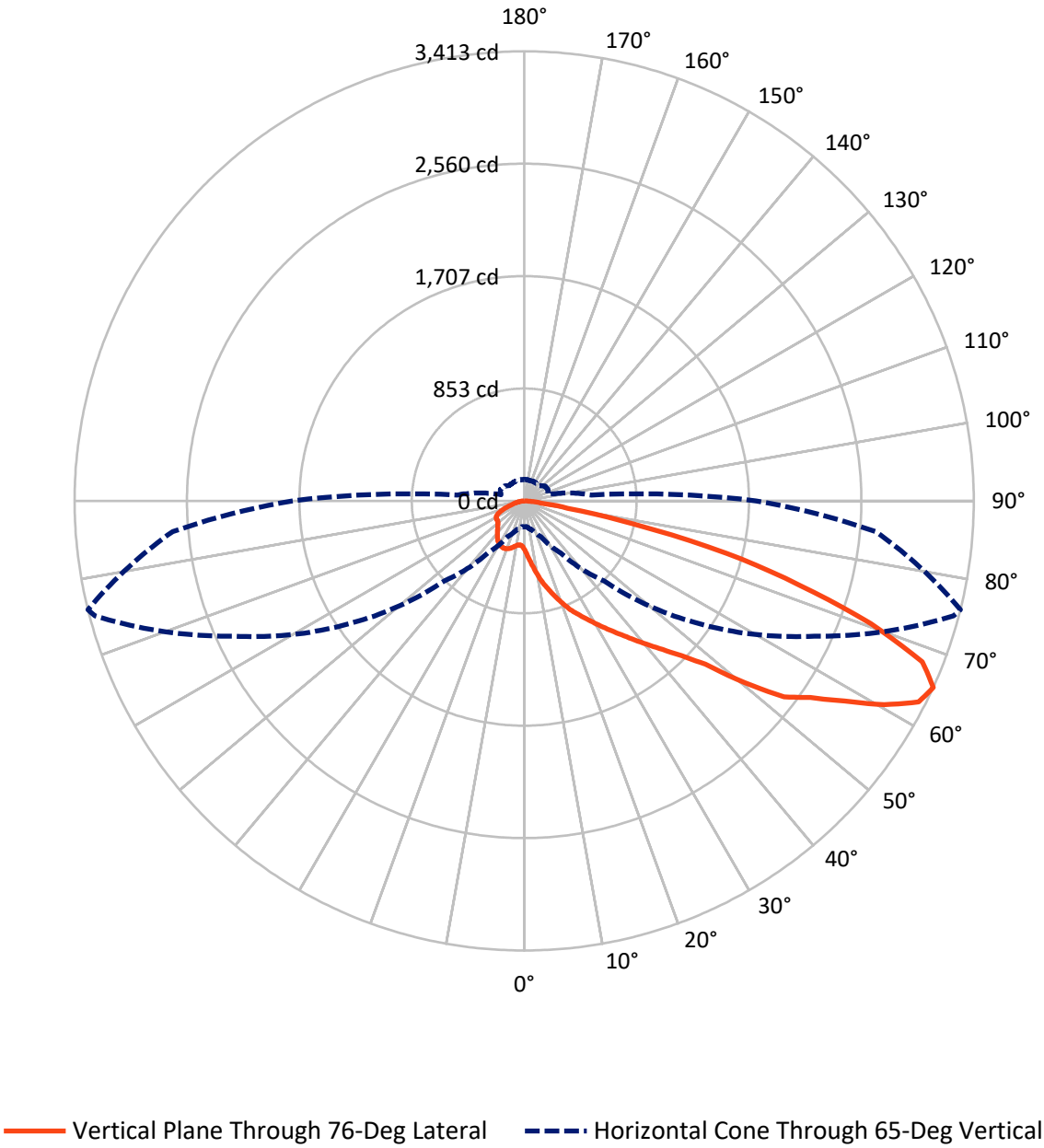
Luminous Intensity Polar Plot



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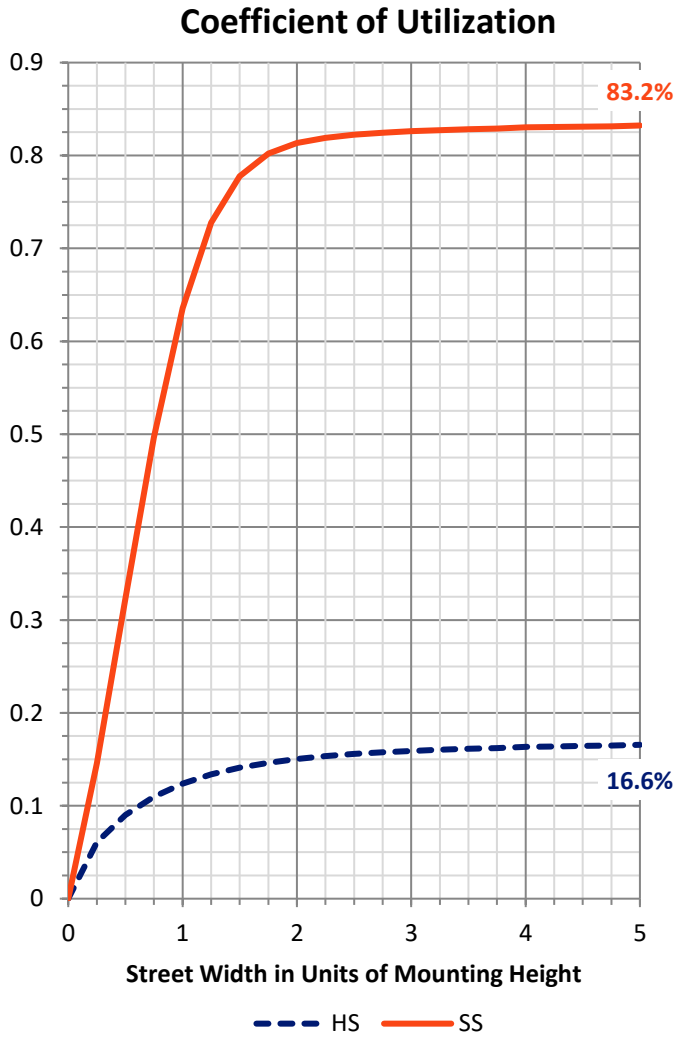
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	650.8	0.0	650.8
	% Fixture	16.7	0.0	16.7
Street Side	Lumens	3242.6	0.0	3242.6
	% Fixture	83.3	0.0	83.3
Total	Lumens	3893.4	0.0	3893.4
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	43.8	1.1
10°-20°	166.8	4.3
20°-30°	325.1	8.4
30°-40°	543.8	14.0
40°-50°	778.6	20.0
50°-60°	921.8	23.7
60°-70°	766.4	19.7
70°-80°	313.6	8.1
80°-90°	33.4	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°	3893.4	100.0
0°-180°	3893.4	100.0



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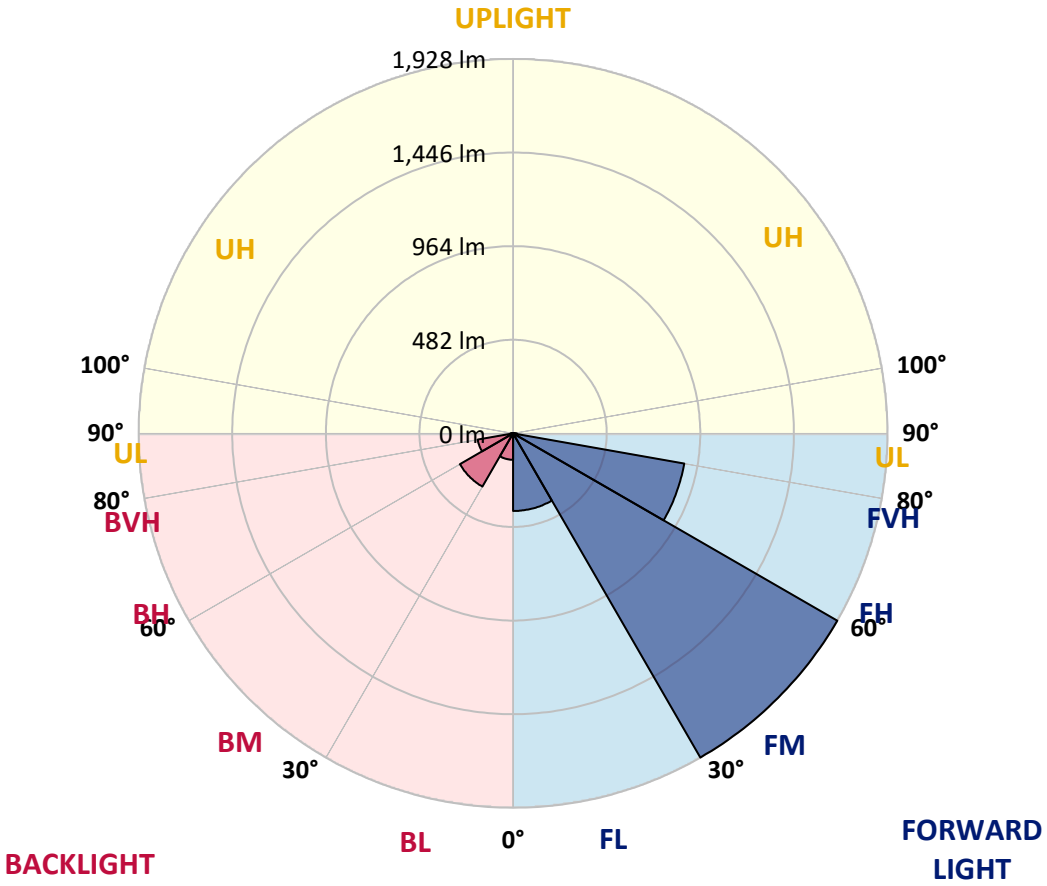
LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	399.6	10.3			
FM	(30°-60°)	1927.9	49.5			
FH	(60°-80°)	895.2	23.0			G1/1800
FVH	(80°-90°)	19.9	0.5			G1/100
BL	(0°-30°)	136.1	3.5	B1/500		
BM	(30°-60°)	316.3	8.1	B1/1000		
BH	(60°-80°)	184.9	4.7	B1/500		G1/500
BVH	(80°-90°)	13.5	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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REPORT NUMBER: P630080
CATALOG NUMBER: GWS-SA1C-830-U-T2R-W

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	76°	85°
0°	368.7	368.7	368.7	368.7	368.7	368.7	368.7	368.7	368.7	*368.7*	368.7
2.5°	516.8	518.7	512.4	510.2	495.4	475.4	458.7	433.6	410.3	*406.7*	385.9
5°	656.4	648.2	641.0	636.4	615.9	593.1	557.8	510.5	460.9	*454.9*	410.0
7.5°	739.3	737.9	729.2	726.4	710.6	687.8	651.4	592.6	520.6	*510.7*	442.6
10°	805.8	805.0	800.6	803.1	788.6	766.4	731.1	670.3	586.0	*576.2*	479.0
12.5°	863.8	865.2	864.4	873.4	866.0	848.8	812.1	745.3	651.4	*640.8*	523.3
15°	906.3	907.4	911.5	931.2	935.3	931.7	894.5	818.9	716.0	*700.7*	569.0
17.5°	918.3	920.5	930.3	962.1	984.3	999.1	971.4	893.9	779.5	*762.8*	615.6
20°	934.5	936.9	946.8	979.9	1012.5	1046.1	1041.2	970.0	843.6	*829.9*	662.7
22.5°	1009.2	1007.3	1002.9	1018.8	1042.0	1083.9	1096.2	1043.1	909.8	*896.7*	714.7
25°	1153.2	1149.6	1121.7	1107.2	1099.5	1125.0	1146.9	1109.6	974.4	*954.7*	763.1
27.5°	1311.9	1310.0	1274.4	1239.9	1192.8	1181.9	1194.8	1167.7	1037.1	*1017.1*	805.3
30°	1462.2	1456.4	1419.2	1376.0	1313.0	1265.9	1247.0	1224.6	1105.8	*1085.0*	854.5
32.5°	1596.6	1589.2	1545.4	1497.5	1431.5	1376.0	1319.6	1285.1	1183.5	*1159.4*	904.9
35°	1706.9	1699.5	1654.6	1603.7	1531.1	1490.1	1412.9	1350.8	1262.6	*1238.3*	964.3
37.5°	1792.3	1785.4	1738.6	1688.5	1625.3	1592.7	1525.7	1424.7	1353.8	*1328.3*	1027.2
40°	1840.2	1835.2	1797.7	1758.1	1705.0	1676.8	1646.7	1518.0	1455.9	*1430.4*	1101.4
42.5°	1854.7	1851.4	1825.1	1804.6	1768.7	1747.4	1764.6	1627.8	1564.8	*1542.6*	1184.9
45°	1818.3	1818.3	1810.6	1821.0	1822.7	1822.4	1882.9	1751.8	1698.7	*1674.3*	1302.6
47.5°	1725.2	1731.2	1742.5	1793.6	1847.6	1892.7	2021.1	1917.1	1870.8	*1850.8*	1469.3
50°	1555.0	1571.4	1609.7	1709.6	1824.3	1939.3	2151.9	2161.5	2205.6	*2170.3*	1714.5
52.5°	1305.6	1303.1	1400.9	1543.2	1718.1	1941.2	2223.9	2377.2	2495.7	*2471.3*	1896.8
55°	1037.6	1033.5	1124.7	1320.9	1555.2	1867.8	2267.2	2476.0	2656.7	*2634.8*	2060.8
57.5°	794.6	789.4	870.4	1047.5	1325.3	1712.1	2258.9	2593.7	2878.1	*2866.9*	2283.6
60°	546.9	540.6	616.4	771.3	1053.2	1473.9	2168.1	2654.2	3137.3	*3141.1*	2522.0
62.5°	328.5	324.9	379.9	500.1	757.6	1178.9	1955.4	2617.5	3343.7	*3360.9*	2675.3
65°	*198.2*	*195.7*	*228.0*	*298.3*	*480.6*	*860.3*	*1627.5*	*2430.0*	*3373.5*	*3413.2*	*2678.8*
67.5°	144.2	144.5	153.8	181.7	280.3	555.6	1221.3	2093.9	3218.0	*3259.1*	2509.9
70°	125.4	125.9	130.8	137.1	169.4	318.1	794.0	1652.9	2758.5	*2790.2*	2105.1
72.5°	111.4	111.4	114.7	118.0	132.5	193.8	425.3	1155.3	2177.1	*2185.6*	1606.7
75°	98.0	97.2	98.8	100.5	115.0	135.5	206.9	805.0	1608.1	*1588.4*	1038.5
77.5°	78.0	77.2	77.5	79.1	92.2	96.9	104.8	502.8	906.3	*855.4*	458.7
80°	55.6	55.0	58.0	62.1	68.2	59.4	65.7	243.3	359.4	*334.5*	177.9
82.5°	33.1	34.2	38.9	42.2	47.1	37.2	42.4	81.3	127.3	*124.0*	72.3
85°	4.7	4.9	14.0	16.1	20.3	14.5	22.4	36.7	50.9	*54.5*	25.5
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	1.9	6.6	14.5	*14.8*	6.3
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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REPORT NUMBER: P630080
CATALOG NUMBER: GWS-SA1C-830-U-T2R-W

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	368.7	368.7	368.7	368.7	368.7	368.7	368.7	368.7	368.7	368.7	368.7
2.5°	375.3	362.4	344.1	328.7	315.9	305.5	296.7	290.1	288.2	285.5	285.5
5°	388.9	365.7	332.8	309.6	296.2	288.2	282.7	280.0	278.6	277.0	276.2
7.5°	407.8	375.3	330.9	307.4	297.0	292.1	288.5	286.9	285.8	284.1	284.1
10°	433.8	389.5	336.9	315.0	306.8	301.9	297.8	295.1	292.6	290.1	289.6
12.5°	462.0	408.1	347.9	325.4	316.7	310.7	304.9	300.8	297.8	294.8	294.0
15°	493.2	427.3	359.7	335.6	324.6	316.4	309.6	303.3	299.2	294.8	294.2
17.5°	523.9	446.7	369.5	342.4	328.5	318.3	308.5	300.3	295.1	290.1	288.8
20°	560.6	466.1	376.4	344.3	327.6	314.2	302.5	292.1	286.3	280.6	279.7
22.5°	594.2	484.2	379.6	341.6	321.3	305.5	291.8	280.6	274.3	268.5	267.4
25°	626.8	500.1	378.3	335.0	311.8	293.4	279.2	268.0	261.9	255.9	254.3
27.5°	658.3	510.7	372.8	324.9	299.7	280.0	266.3	256.2	251.0	245.8	243.6
30°	689.2	520.6	364.3	311.8	284.4	266.0	254.8	247.7	242.5	237.0	235.4
32.5°	720.4	527.7	351.4	296.4	268.8	253.7	246.9	241.7	236.2	230.7	229.1
35°	751.9	530.7	335.8	278.9	255.6	245.8	243.3	237.3	229.9	223.3	221.2
37.5°	789.4	533.5	316.4	261.7	244.2	242.0	241.4	232.4	223.6	214.6	212.1
40°	834.5	537.0	296.4	246.1	234.8	240.6	238.4	226.1	208.6	199.8	197.1
42.5°	889.8	543.6	275.6	231.8	228.0	235.4	232.9	210.8	199.0	194.1	192.7
45°	971.1	567.7	254.8	220.6	222.8	228.0	224.2	201.7	197.1	193.8	192.1
47.5°	1115.9	604.6	236.8	212.1	218.7	221.4	206.7	199.3	195.7	191.3	189.4
50°	1266.5	620.8	222.3	206.9	214.0	215.4	197.1	196.0	193.5	188.9	186.9
52.5°	1368.3	618.6	213.5	205.0	210.2	205.0	192.7	192.4	190.8	185.3	183.1
55°	1483.2	622.4	209.7	205.6	208.6	187.5	187.2	188.0	187.2	181.2	180.1
57.5°	1638.4	634.2	207.7	207.5	207.5	179.0	182.0	183.1	181.5	178.7	177.9
60°	1787.6	635.0	204.2	209.7	206.7	173.8	176.0	177.1	175.2	174.6	174.4
62.5°	1843.7	595.6	196.3	208.0	203.4	168.1	169.7	170.2	168.3	169.7	169.4
65°	*1760.2*	*511.8*	*183.1*	*200.1*	*193.2*	*162.9*	*161.8*	*163.1*	*159.8*	*163.4*	*163.7*
67.5°	1562.9	406.7	163.1	185.0	179.0	157.1	154.9	154.9	149.4	154.9	154.6
70°	1260.2	287.4	133.8	160.9	163.4	150.3	149.2	142.9	134.1	142.3	141.5
72.5°	955.3	206.4	105.4	127.3	140.7	140.7	141.0	130.3	120.2	124.0	120.7
75°	605.2	145.3	84.3	97.4	110.3	123.4	129.7	110.0	101.0	99.4	97.7
77.5°	272.6	95.5	65.7	74.7	78.3	97.4	118.5	94.7	82.4	78.8	77.7
80°	114.1	59.4	46.8	52.8	48.2	81.8	104.6	73.6	60.5	55.6	52.0
82.5°	50.1	35.3	29.8	28.5	30.1	60.8	78.0	49.0	37.8	51.2	51.7
85°	21.1	18.6	15.3	14.0	12.3	23.3	36.7	19.2	23.5	13.4	10.9
87.5°	4.9	5.5	4.1	2.7	1.6	0.3	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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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

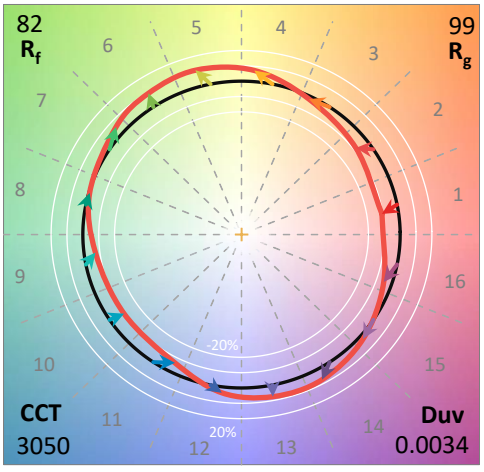
Test Information

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

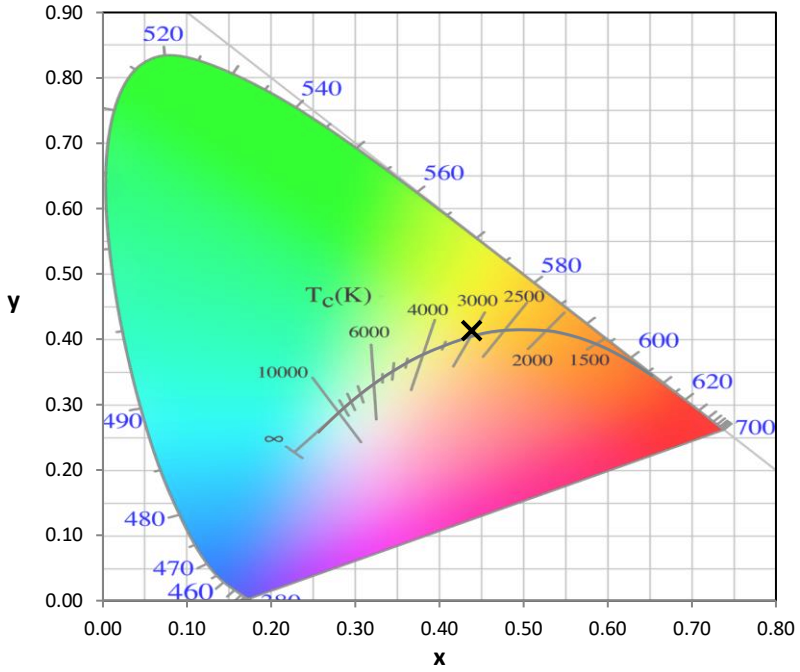
Stabilization Time:	20M
Operation Time:	1H 20M
Sphere Temperature (°C):	24.2

REPORT NUMBER: SP1-2408-195-9

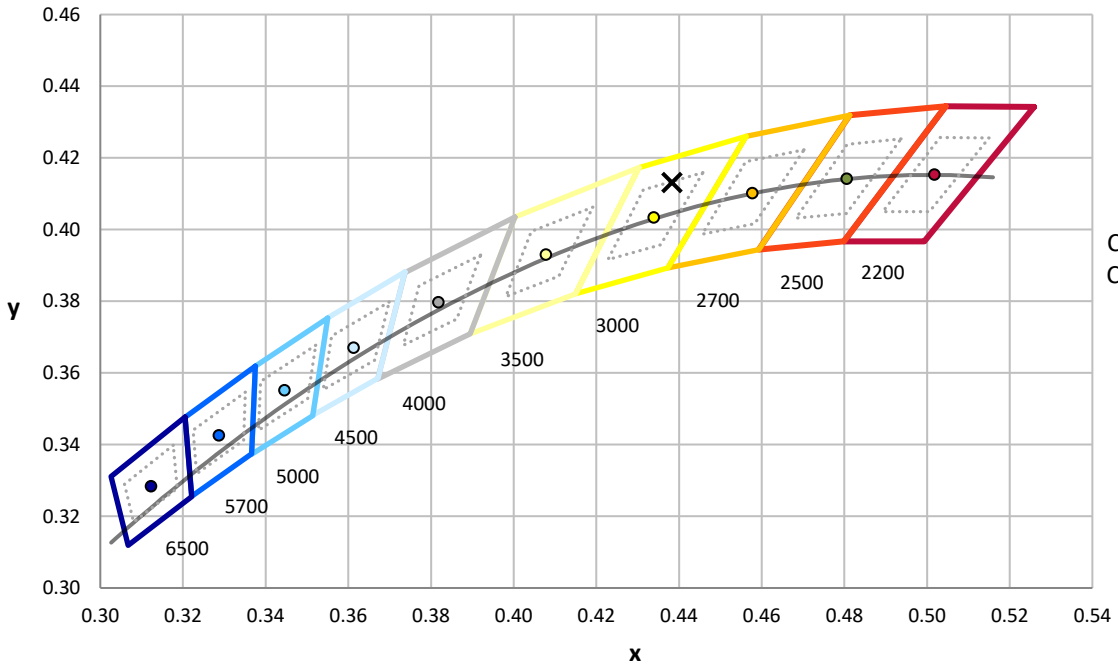
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

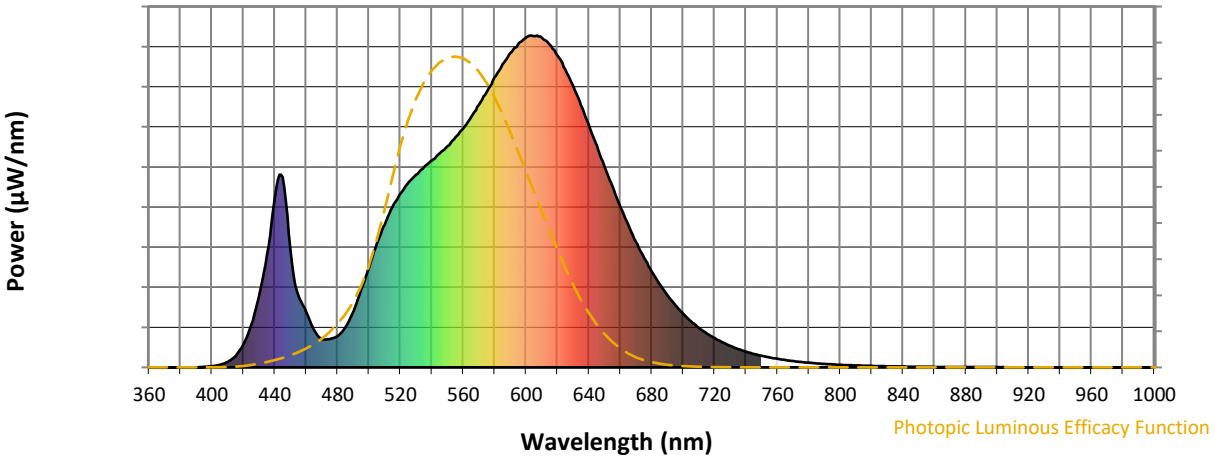


CCT = 3050K
CIE x = 0.4383
CIE y = 0.4131
Duv = 0.0034

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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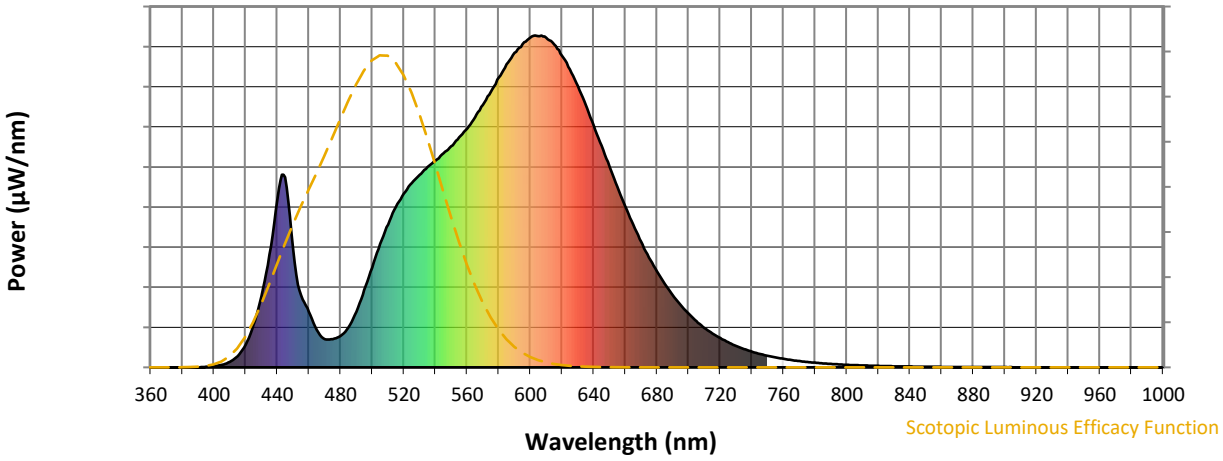
Scotopic Flux vs. Wavelength



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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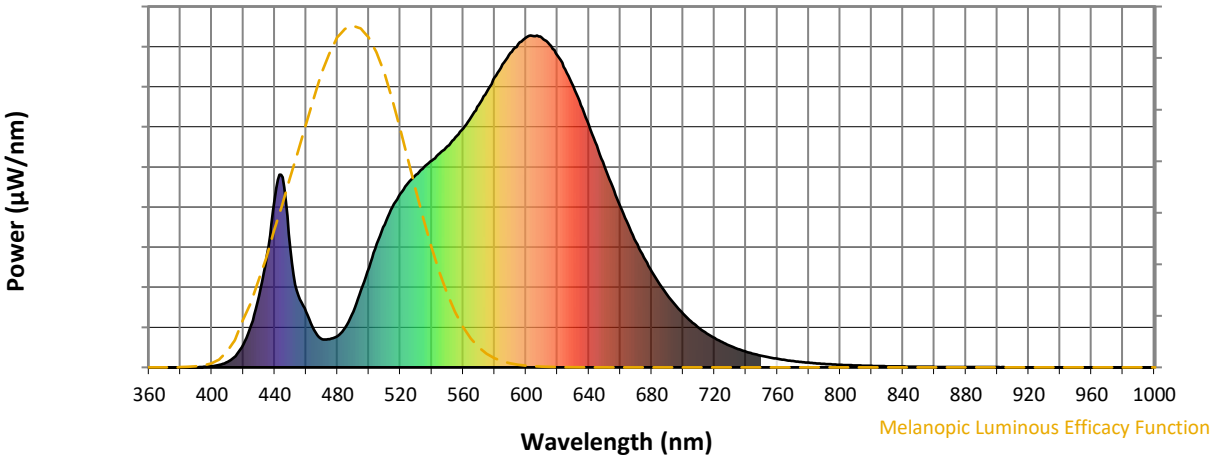
Melanopic Flux vs. Wavelength



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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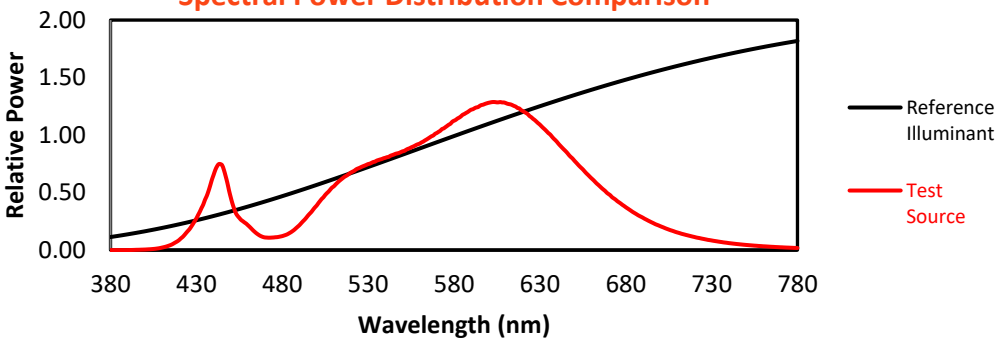
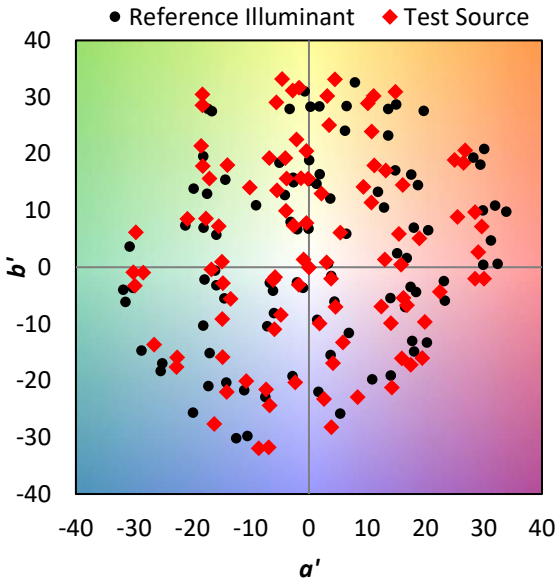
Summary

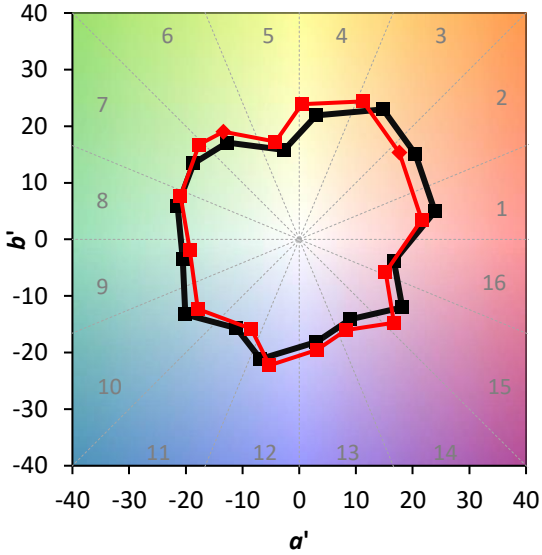
R_f = 81.5
R_g = 99.2
CIE R_a = 81.0
R_9 = 7.1

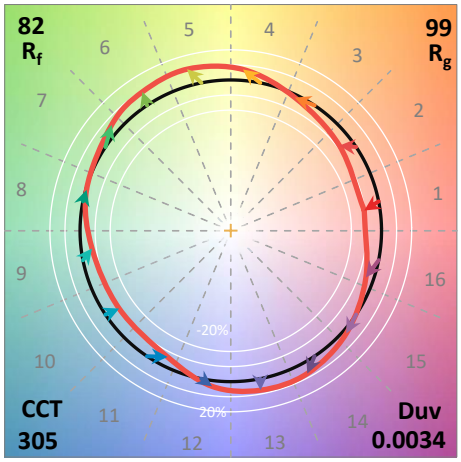
Spectral Power Distribution Comparison

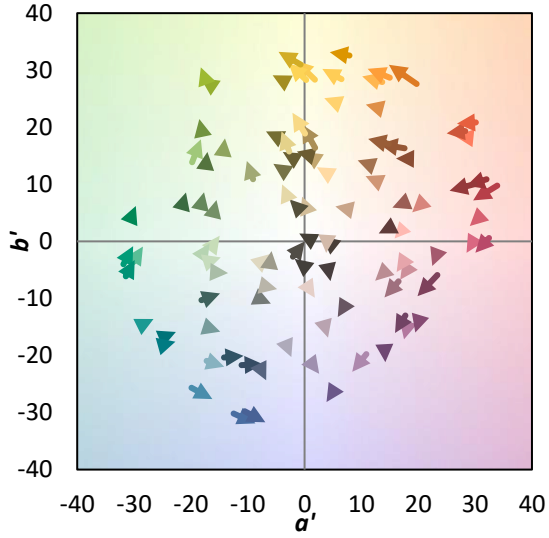


Color Vector Graphics









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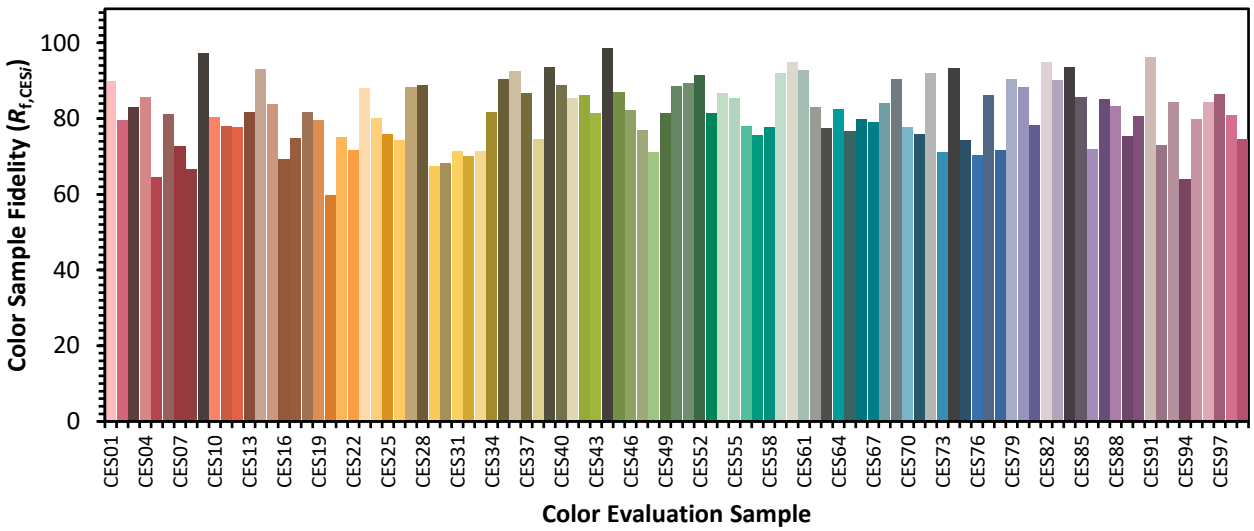
Individual Sample Fidelity Index ($R_{f,i}$)

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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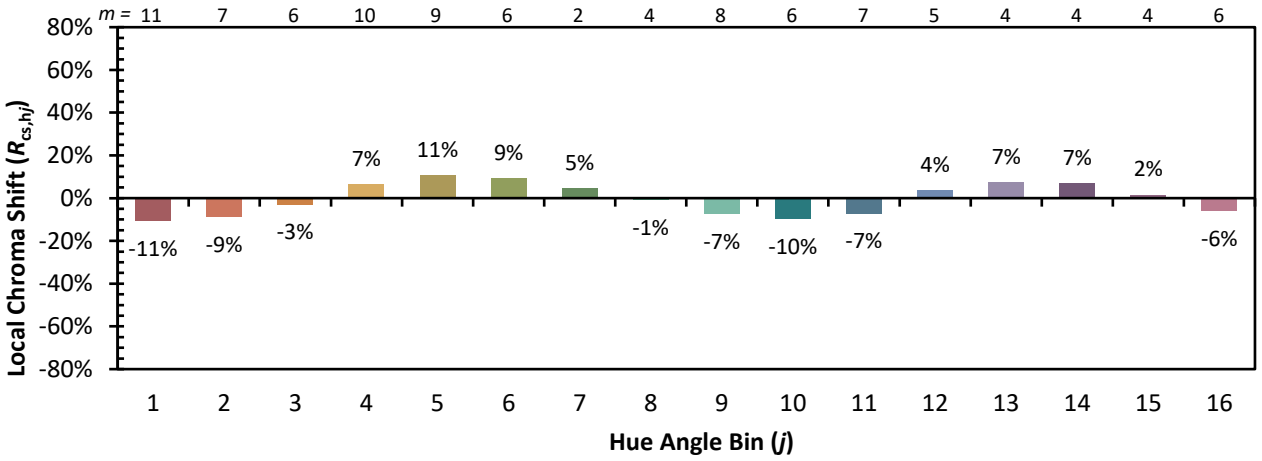
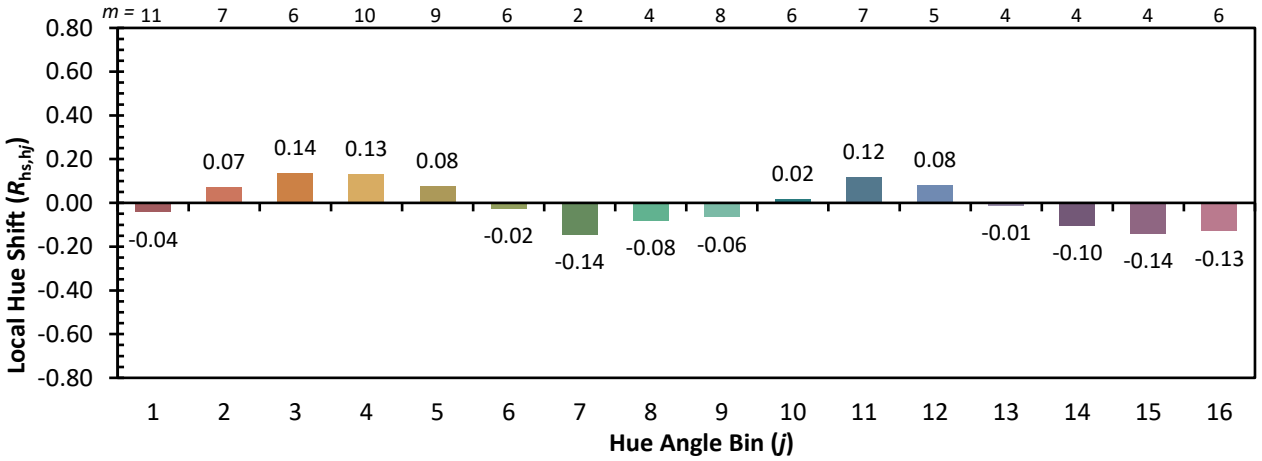
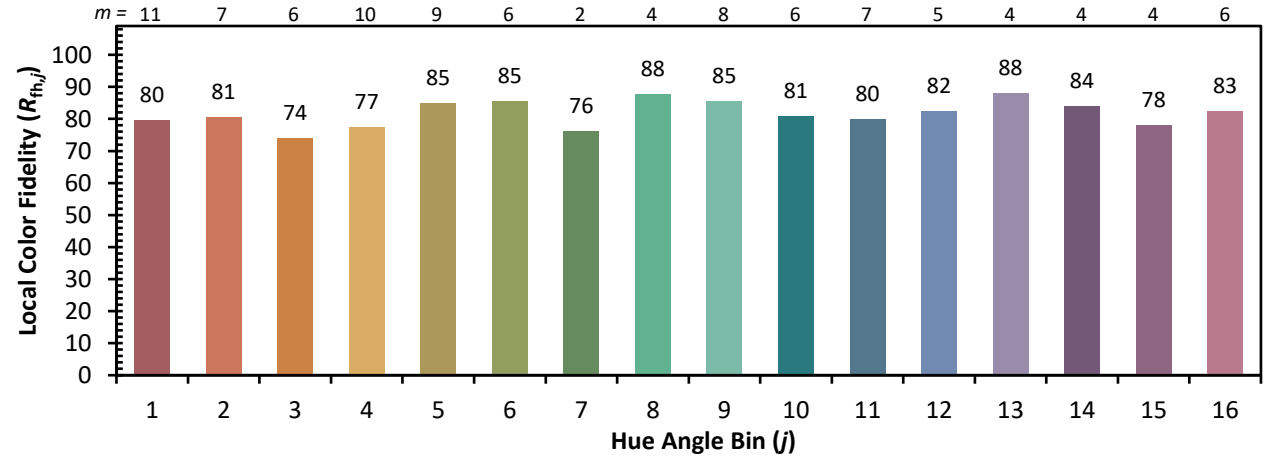
Color Rendition by Hue-Angle Bin







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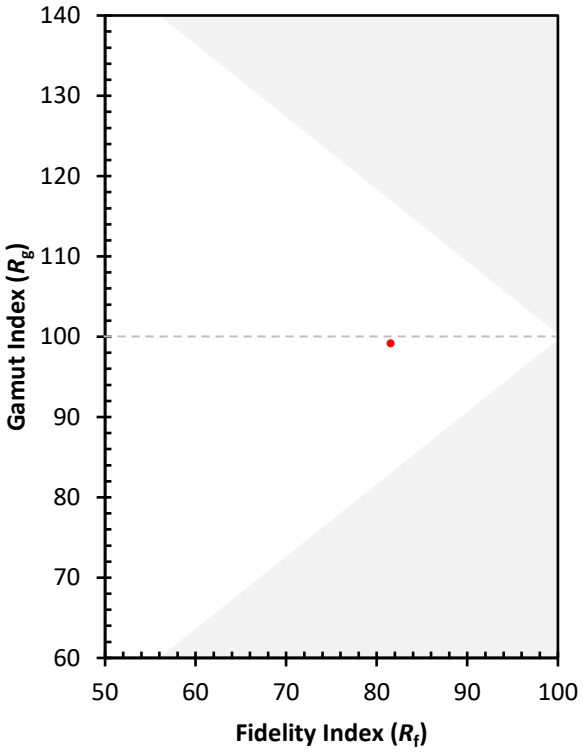
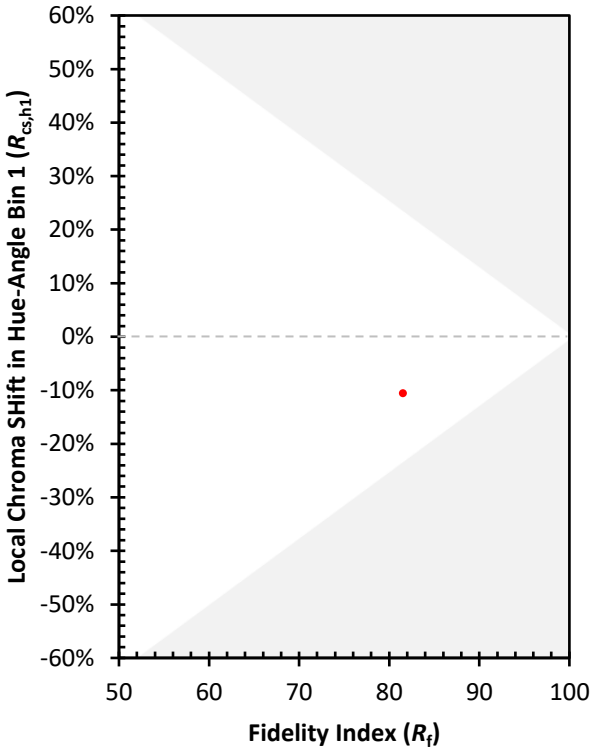
Measure Comparisons





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