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: P630580

Luminaire Tested: GWS-SA1D-830-U-T3R-W-GRSBK

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:	P630580
	TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-16)
Test Lab:	COOPER LIGHTING SOLUTIONS
Issue Date:	1/10/2023
Manufacturer:	COOPER LIGHTING SOLUTIONS
Product Line:	McGRAW-EDISON
Catalog Number:	GWS-SA1D-830-U-T3R-W-GRSBK
Description:	GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III ROADWAY OPTICS W/ FACTORY INSTALLED GLARE SHIELD, BK
Light Source:	(16) 3000K CCT, 80 CRI LEDS
Ballast/Driver:	-

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	3021.2 lumens
Efficiency:	N/A
Efficacy:	68.2 lumens/watt
Luminous Opening:	Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification:	Type II - Short
BUG Rating:	B1 - U0 - G0

Input Watts (W):	44.3
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: P630580
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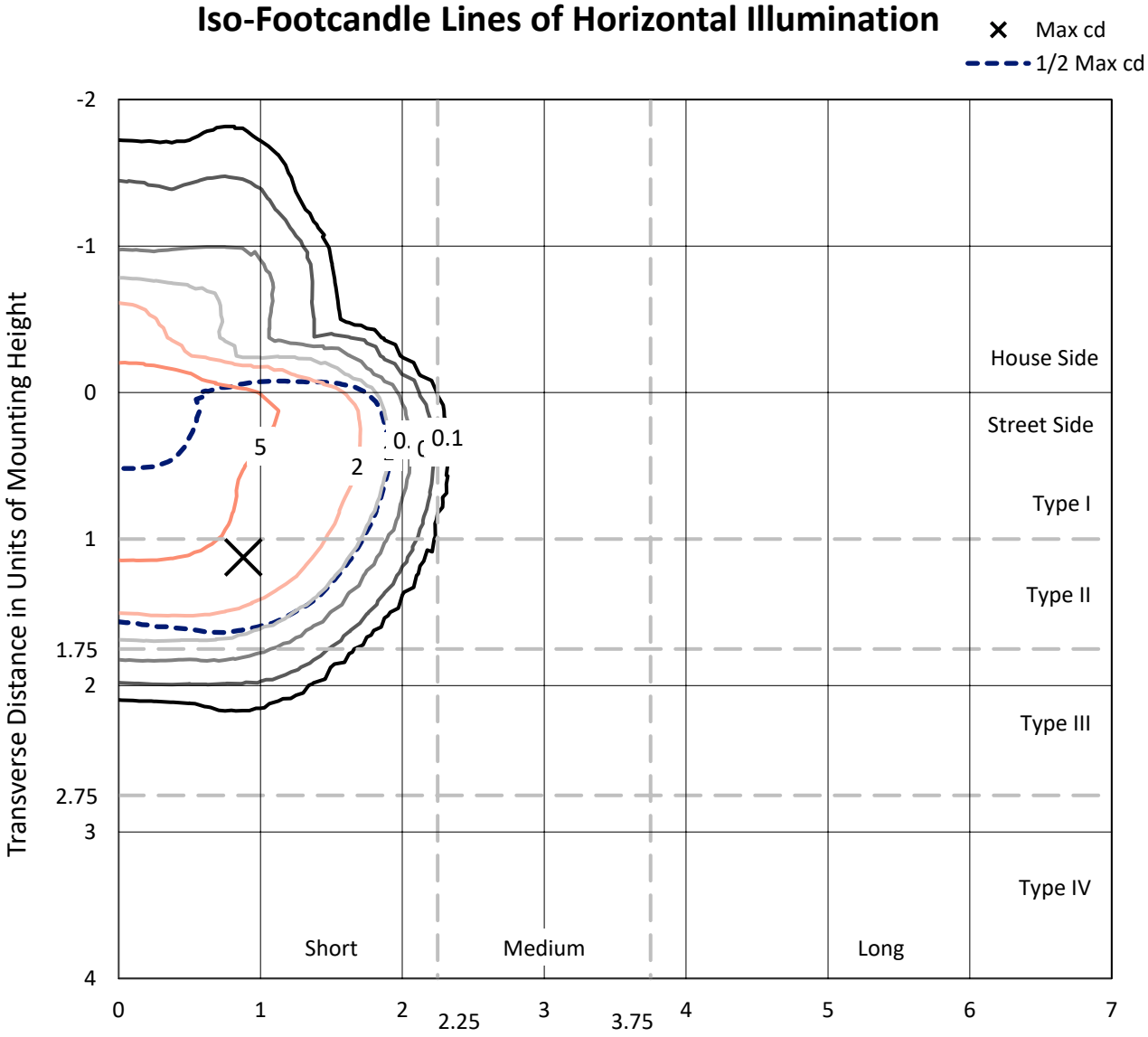
Iso-Footcandle Lines of Horizontal Illumination



Based on 10 foot mounting height. Maximum calculated value = 7.6 fc
Type II - Short - N/A

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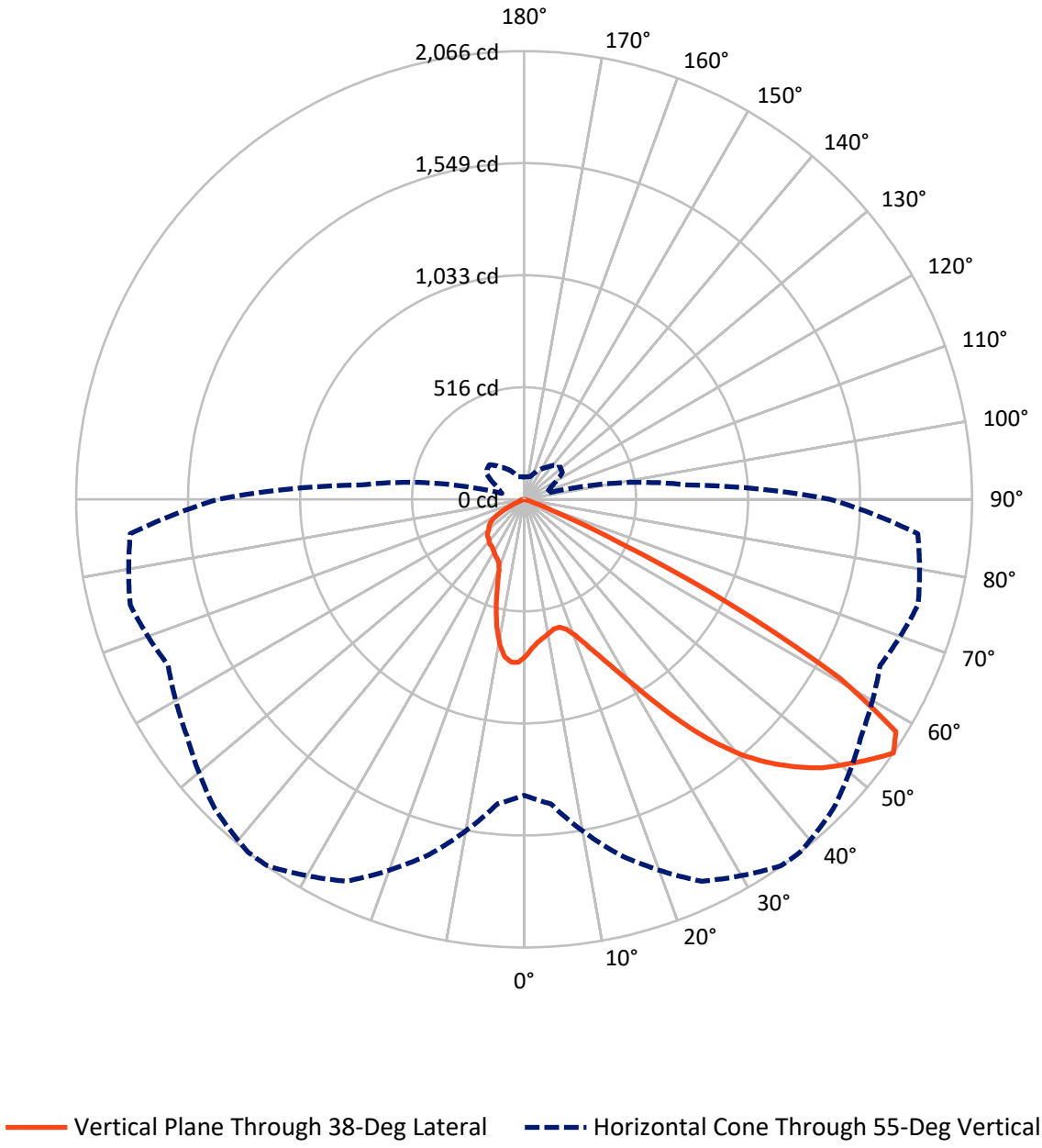
Luminous Intensity Polar Plot



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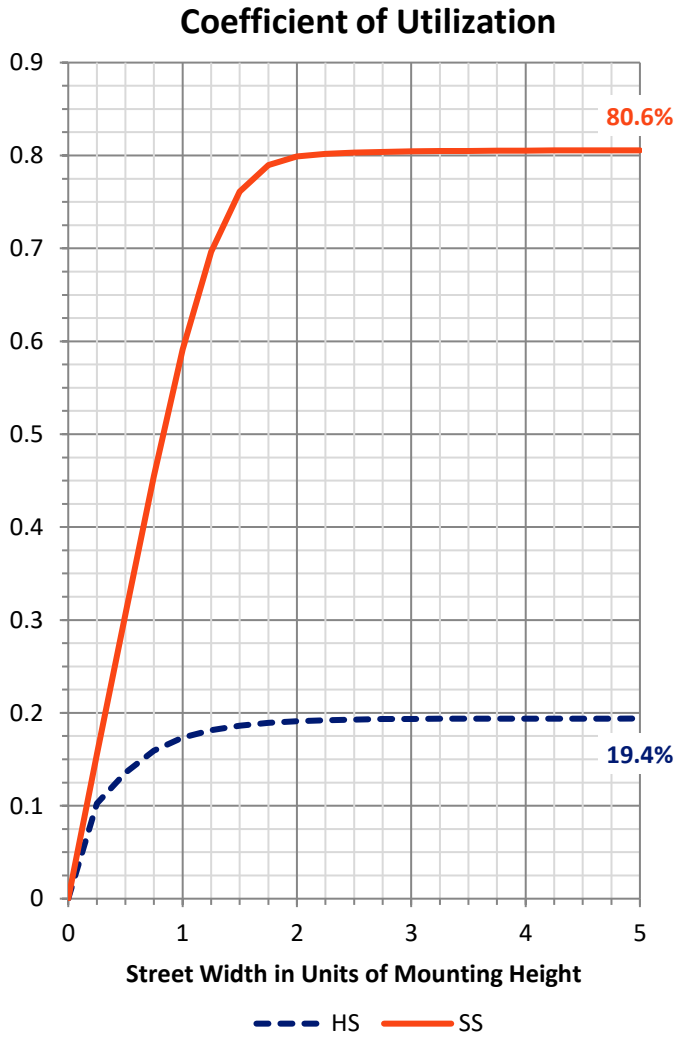
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	588.6	0.0	588.6
	% Fixture	19.5	0.0	19.5
Street Side	Lumens	2432.6	0.0	2432.6
	% Fixture	80.5	0.0	80.5
Total	Lumens	3021.2	0.0	3021.2
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	67.0	2.2
10°-20°	180.3	6.0
20°-30°	309.5	10.2
30°-40°	513.3	17.0
40°-50°	754.6	25.0
50°-60°	881.7	29.2
60°-70°	298.9	9.9
70°-80°	15.3	0.5
80°-90°	0.6	0.0
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°	3021.2	100.0
0°-180°	3021.2	100.0



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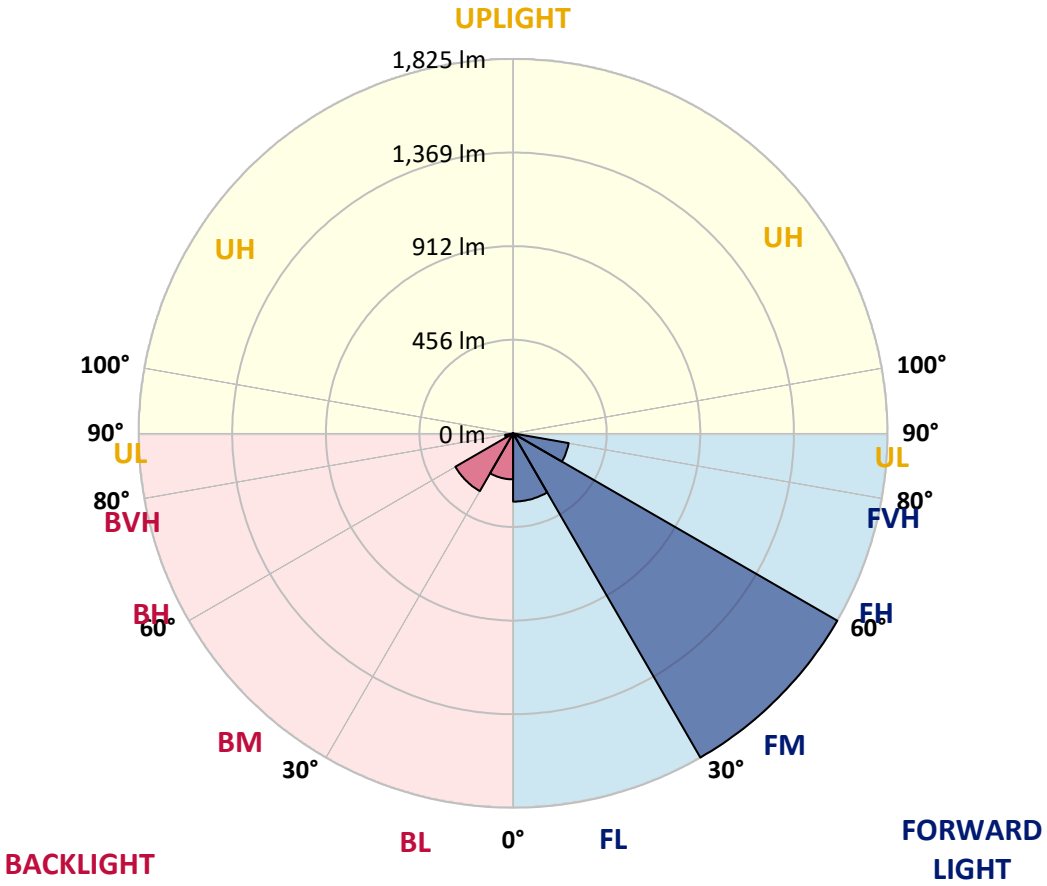
LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	332.6	11.0			
FM	(30°-60°)	1824.7	60.4			
FH	(60°-80°)	275.0	9.1			G0/660
FVH	(80°-90°)	0.3	0.0			G0/10
BL	(0°-30°)	224.3	7.4	B1/500		
BM	(30°-60°)	324.9	10.8	B1/1000		
BH	(60°-80°)	39.2	1.3	B0/110		G0/110
BVH	(80°-90°)	0.3	0.0			G0/10
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G0
Type II Short



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REPORT NUMBER: P630580
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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	38°	45°	55°	65°	75°	85°
0°	724.5	724.5	724.5	724.5	724.5	724.5	724.5	724.5	724.5	724.5	724.5
2.5°	674.8	673.4	676.2	681.7	686.9	688.6	693.8	701.0	705.5	716.2	724.9
5°	644.4	643.7	646.5	651.3	658.2	660.6	668.6	680.6	692.7	711.4	729.7
7.5°	616.8	616.4	620.6	631.3	641.3	644.4	654.1	668.9	685.1	713.8	740.7
10°	580.5	580.8	588.8	604.0	622.3	628.5	644.0	665.5	686.5	723.5	760.8
12.5°	568.8	569.5	573.6	585.3	605.4	613.3	635.1	667.5	694.5	737.3	786.7
15°	597.4	597.4	594.0	595.4	604.3	611.6	634.4	674.4	707.9	753.9	812.2
17.5°	653.0	651.0	642.3	630.6	627.5	629.9	648.2	689.3	726.9	773.2	841.2
20°	728.3	729.0	712.1	687.6	667.9	667.5	678.6	715.5	754.2	796.3	872.7
22.5°	819.5	816.7	794.3	760.8	726.6	723.8	728.3	755.6	793.6	832.9	911.3
25°	925.1	923.8	892.0	847.1	801.9	795.3	795.3	822.2	849.9	885.1	957.6
27.5°	1035.7	1035.7	1004.9	953.1	893.0	881.3	879.6	911.3	929.6	936.5	996.6
30°	1149.3	1147.9	1117.5	1064.3	1000.1	988.0	983.2	1006.6	1019.8	999.0	1045.3
32.5°	1264.6	1267.0	1236.3	1186.9	1129.6	1121.6	1106.8	1106.8	1117.5	1088.5	1122.0
35°	1388.6	1387.9	1363.7	1330.2	1281.2	1272.2	1247.7	1209.4	1225.6	1212.8	1228.0
37.5°	1498.1	1503.2	1491.5	1466.6	1426.9	1417.9	1377.5	1308.1	1320.6	1340.6	1354.0
40°	1609.2	1613.4	1625.1	1617.2	1567.1	1550.5	1478.7	1364.8	1378.6	1447.3	1486.0
42.5°	1718.4	1720.4	1744.3	1757.4	1690.4	1661.4	1555.4	1399.3	1413.8	1530.9	1598.5
45°	1787.8	1792.3	1831.6	1871.7	1799.2	1759.5	1622.0	1443.5	1449.7	1588.9	1681.8
47.5°	1785.0	1795.4	1869.3	1942.1	1892.8	1849.9	1702.1	1514.3	1503.9	1643.4	1736.7
50°	1729.4	1741.9	1847.9	1963.6	1960.1	1920.4	1791.2	1616.8	1584.4	1691.8	1743.6
52.5°	1614.1	1650.0	1810.2	1966.3	2014.3	1994.3	1901.4	1755.0	1693.2	1761.2	1754.6
55°	1364.8	1409.0	1695.9	1942.8	2063.4	2065.8	2017.1	1899.0	1811.3	1880.7	1822.7
57.5°	1036.0	1071.2	1305.4	1729.4	1982.2	2021.9	2062.0	1975.0	1884.1	1962.2	1838.5
60°	624.4	665.1	817.4	1269.1	1601.0	1668.6	1825.8	1808.8	1699.4	1732.9	1507.7
62.5°	253.1	274.5	377.4	699.3	1007.7	1070.9	1221.4	1247.0	1220.1	1185.9	914.4
65°	92.5	101.2	151.3	289.0	463.4	486.6	566.0	611.2	648.5	552.2	340.2
67.5°	57.3	62.9	98.4	148.5	168.5	156.8	159.5	190.3	181.6	112.2	60.8
70°	42.5	47.0	77.0	102.9	68.0	52.5	35.6	38.0	34.2	30.0	29.7
72.5°	29.4	33.5	57.7	60.8	26.2	18.6	13.1	18.3	20.7	20.4	21.1
75°	19.3	22.4	36.3	23.8	6.6	5.2	4.5	9.7	12.4	12.4	12.8
77.5°	11.4	13.1	12.8	4.8	1.4	1.4	1.0	1.7	2.8	3.1	3.8
80°	1.4	1.0	0.7	0.7	0.7	0.7	0.7	0.7	1.0	1.0	1.0
82.5°	0.3	0.3	0.3	0.7	0.7	0.7	0.7	0.7	0.7	1.0	1.0
85°	0.0	0.0	0.3	0.3	0.7	0.7	0.7	0.7	0.7	1.0	1.0
87.5°	0.0	0.0	0.3	0.3	0.7	0.7	0.7	0.7	0.7	1.0	1.0
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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Scaled Data Report

REPORT NUMBER: P630580
CATALOG NUMBER: GWS-SA1D-830-U-T3R-W-GRSBK

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	724.5	724.5	724.5	724.5	724.5	724.5	724.5	724.5	724.5	724.5	724.5
2.5°	731.4	729.0	739.0	746.3	752.1	754.9	751.1	750.8	750.8	743.2	741.1
5°	740.0	741.1	755.2	761.5	762.5	759.0	750.4	744.5	741.1	733.1	728.7
7.5°	756.6	760.1	773.5	772.5	763.2	747.3	724.5	706.9	695.5	683.1	675.5
10°	780.5	787.0	795.3	780.8	751.1	710.7	663.7	630.2	610.2	596.0	587.4
12.5°	809.5	816.0	813.3	779.1	717.3	645.1	584.6	536.3	513.2	500.4	491.4
15°	838.8	843.0	825.0	758.3	657.5	560.5	493.1	445.1	416.8	406.5	398.9
17.5°	868.9	867.8	827.1	717.6	577.7	465.2	398.9	366.1	358.1	356.4	355.7
20°	900.3	891.0	818.8	659.2	481.7	370.9	333.2	335.3	349.8	356.7	358.1
22.5°	936.2	912.7	798.1	580.2	383.7	309.1	312.9	333.2	352.9	362.3	363.6
25°	974.5	932.7	763.5	478.6	302.5	284.2	306.7	330.1	351.2	362.6	364.0
27.5°	999.7	937.6	706.9	376.4	259.7	274.5	298.4	320.8	342.6	355.0	356.7
30°	1027.0	935.5	629.9	290.1	245.2	266.3	287.0	307.3	327.4	341.2	342.6
32.5°	1067.1	934.1	536.0	235.5	239.3	259.7	274.9	291.8	305.6	313.6	312.5
35°	1119.6	932.4	426.5	212.4	235.9	254.5	266.6	274.5	259.3	254.5	255.5
37.5°	1186.9	936.5	334.3	202.7	234.8	253.1	263.5	240.7	217.2	208.2	206.9
40°	1261.5	947.2	254.9	198.9	238.3	256.6	251.7	214.1	185.1	167.5	163.7
42.5°	1336.4	959.0	201.7	197.5	244.1	266.3	232.4	194.8	151.3	141.2	139.9
45°	1392.0	956.9	174.4	195.1	249.3	271.8	227.2	167.1	135.0	130.5	130.9
47.5°	1420.0	934.1	159.5	189.6	251.4	266.3	214.5	155.7	124.0	128.8	133.0
50°	1405.2	875.1	145.7	178.9	246.9	259.0	194.1	147.1	118.4	138.5	147.8
52.5°	1387.2	802.6	130.5	162.3	236.2	249.0	186.1	144.7	115.0	133.6	140.6
55°	*1411.0*	*756.6*	*105.7*	*136.8*	*215.1*	*225.5*	*179.9*	*144.3*	*107.1*	*103.9*	*102.9*
57.5°	1377.5	665.1	75.6	98.4	165.1	178.5	175.4	141.9	95.0	94.6	96.0
60°	1064.7	405.8	51.8	62.5	101.2	114.0	159.2	135.7	81.8	75.3	75.6
62.5°	605.0	172.7	35.6	38.7	51.8	61.5	121.6	123.3	75.6	71.8	75.6
65°	210.7	61.8	27.6	25.9	28.7	32.8	69.8	95.3	68.7	62.2	62.9
67.5°	43.5	30.7	24.5	21.4	21.4	21.4	35.6	59.4	56.6	49.4	50.1
70°	27.6	26.2	21.4	18.3	17.6	16.2	20.4	32.8	39.0	35.9	36.3
72.5°	20.4	20.0	16.9	14.8	13.1	11.7	12.8	16.2	20.0	20.7	21.1
75°	12.4	12.8	11.1	9.3	8.3	7.3	7.6	7.6	7.6	6.9	7.6
77.5°	3.8	4.1	3.5	2.8	2.4	2.4	2.4	2.1	1.7	1.0	1.0
80°	1.0	1.0	1.0	1.0	1.0	0.7	0.7	0.3	0.3	0.0	0.0
82.5°	1.0	1.0	1.0	1.0	0.7	0.7	0.3	0.3	0.0	0.0	0.0
85°	1.0	1.0	1.0	1.0	0.7	0.7	0.3	0.3	0.0	0.0	0.0
87.5°	1.0	1.0	1.0	1.0	0.7	0.7	0.3	0.3	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

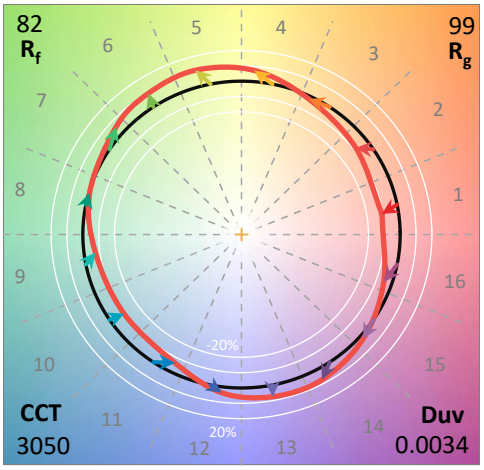
Test Information

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

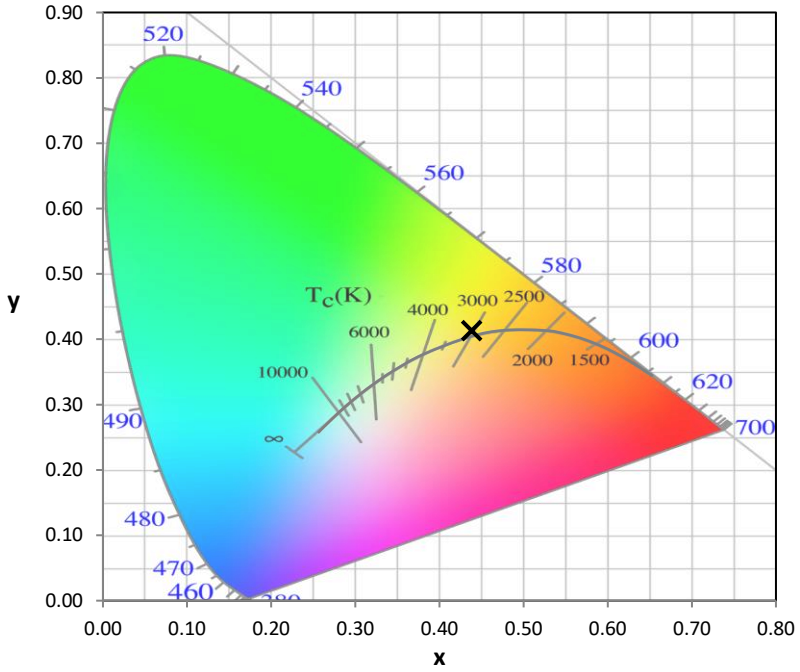
Stabilization Time:	20M
Operation Time:	1H 20M
Sphere Temperature (°C):	24.2

REPORT NUMBER: SP1-2408-195-9

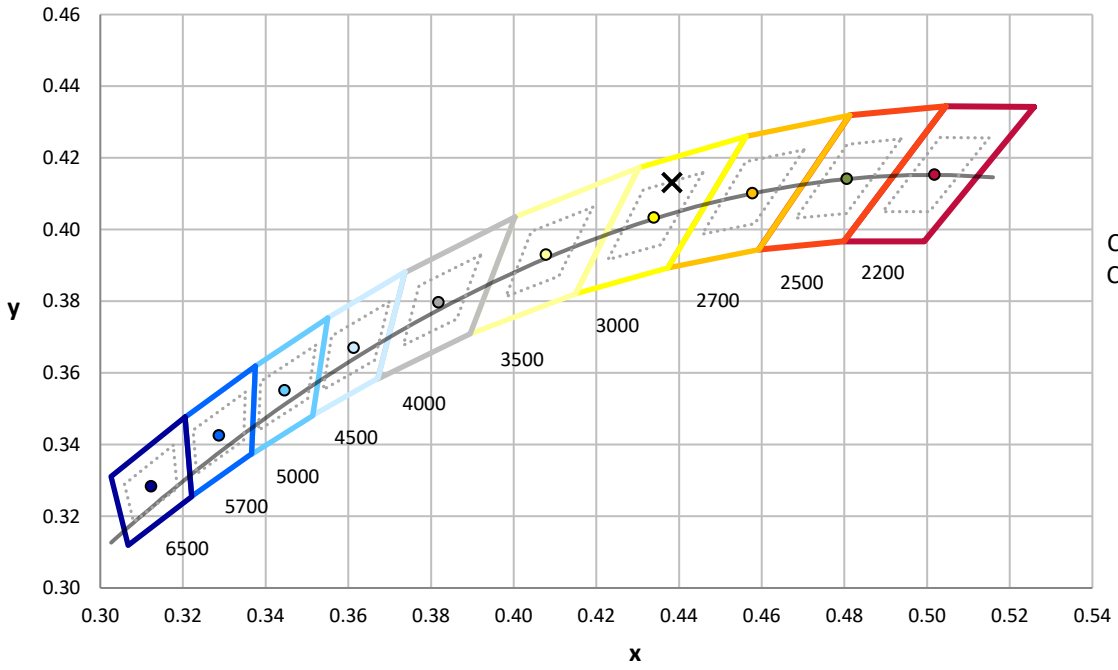
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

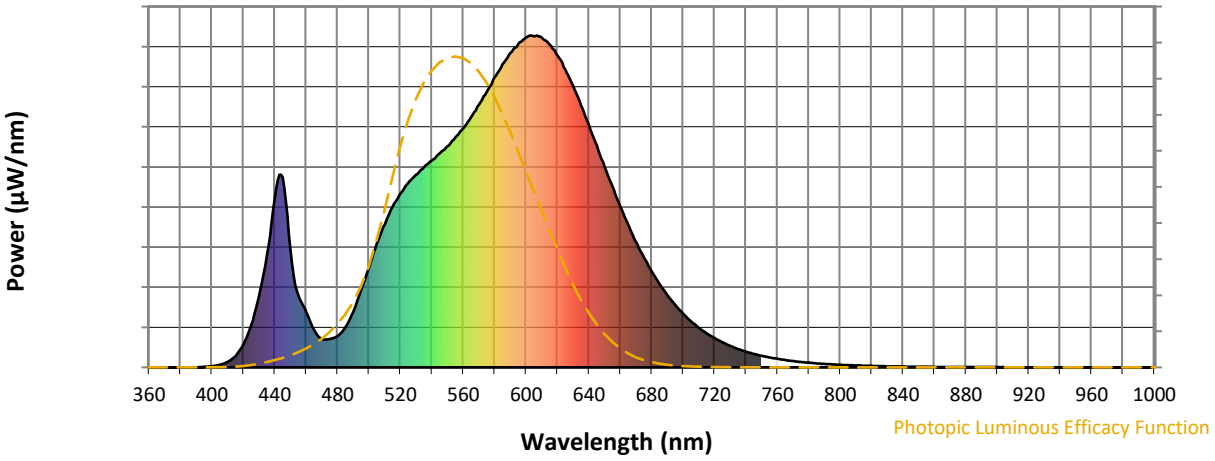


CCT = 3050K
CIE x = 0.4383
CIE y = 0.4131
Duv = 0.0034

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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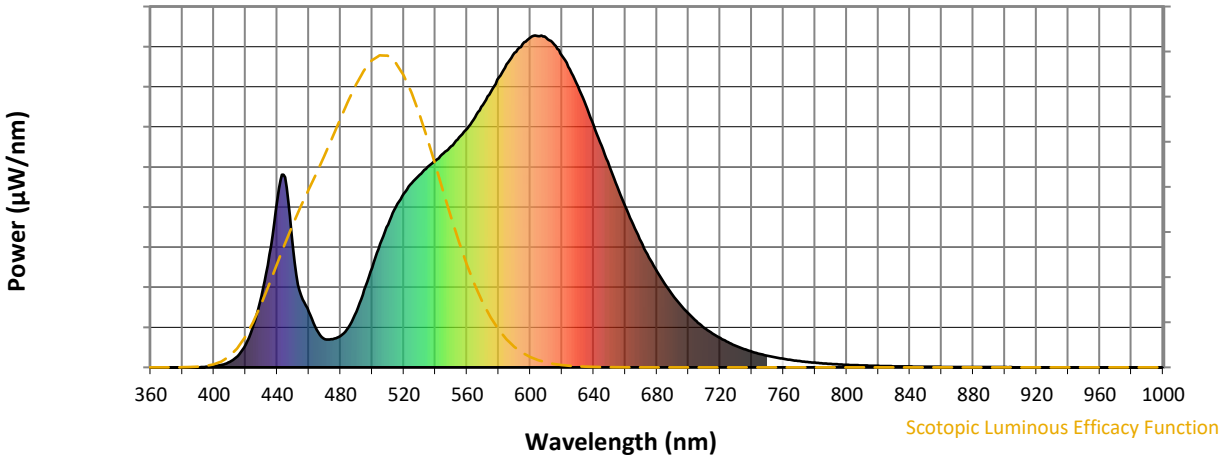
Scotopic Flux vs. Wavelength



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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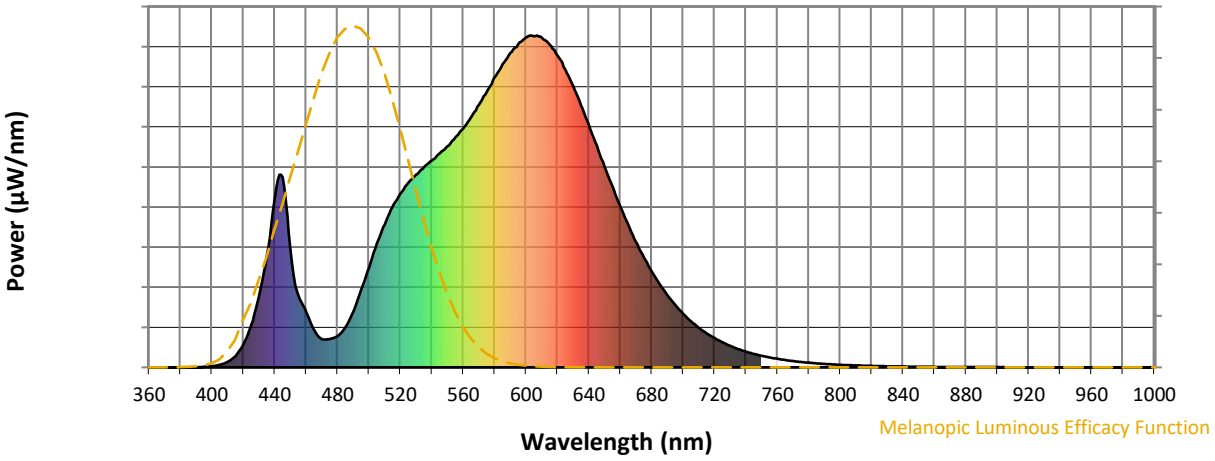
Melanopic Flux vs. Wavelength



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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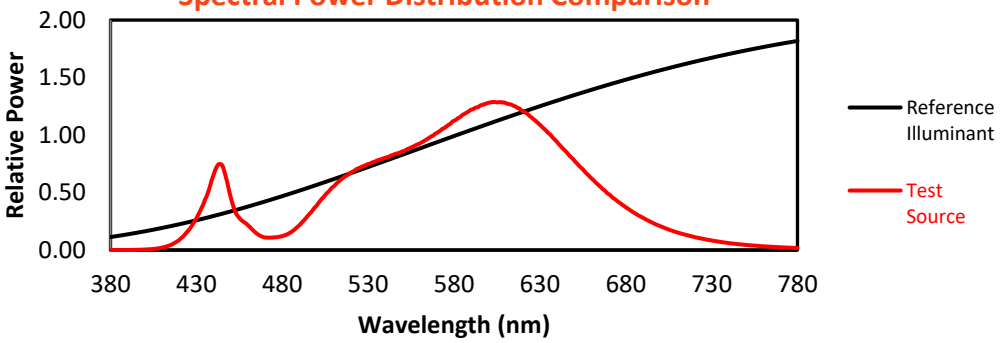
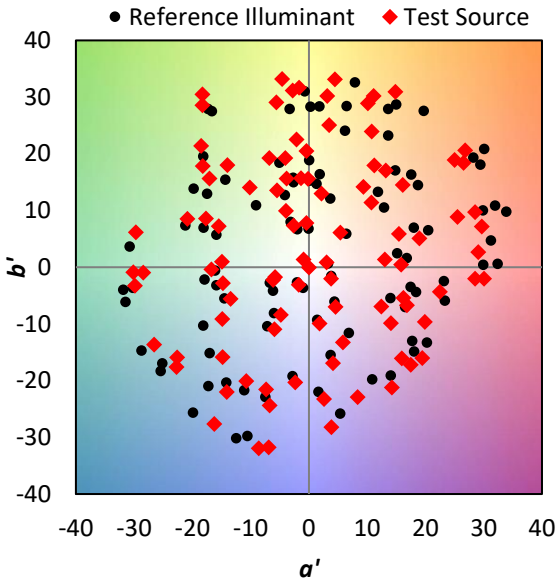
Summary

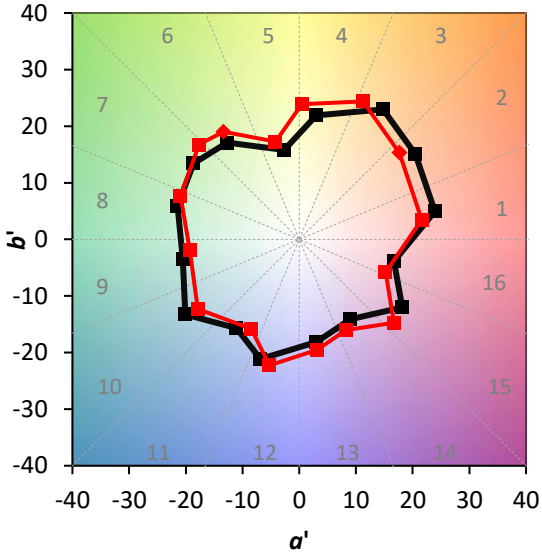
R_f = 81.5
R_g = 99.2
CIE R_a = 81.0
R_9 = 7.1

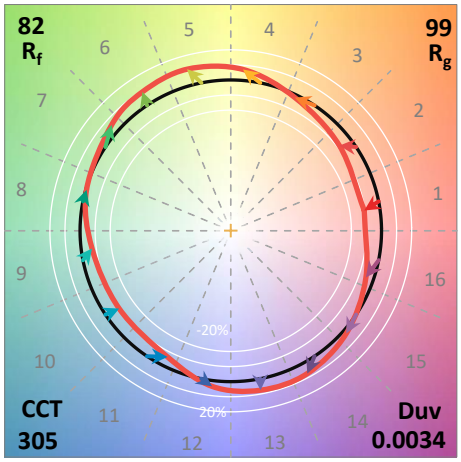
Spectral Power Distribution Comparison

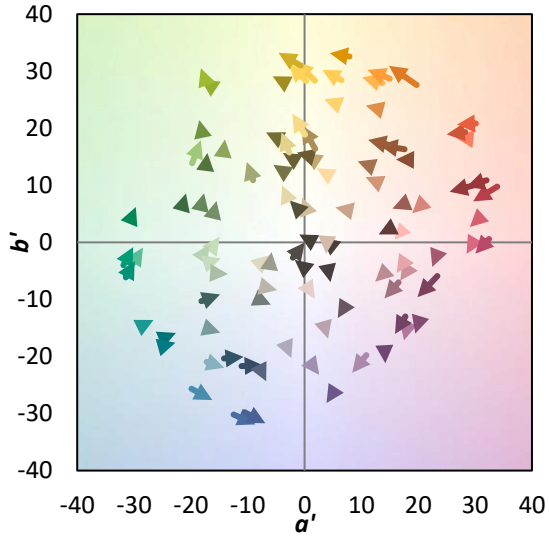


Color Vector Graphics









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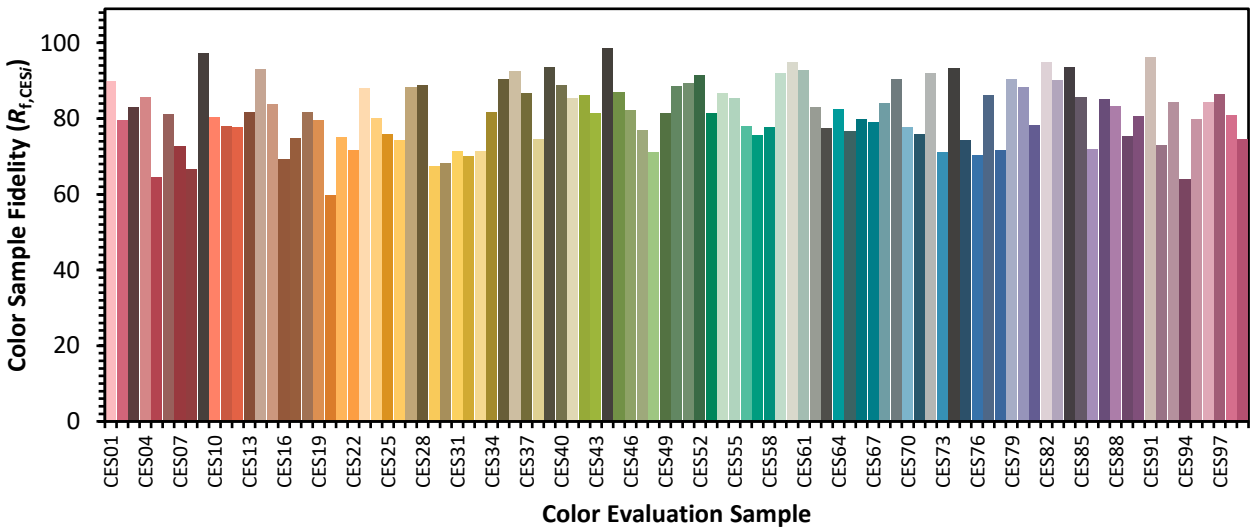
Individual Sample Fidelity Index ($R_{f,i}$)

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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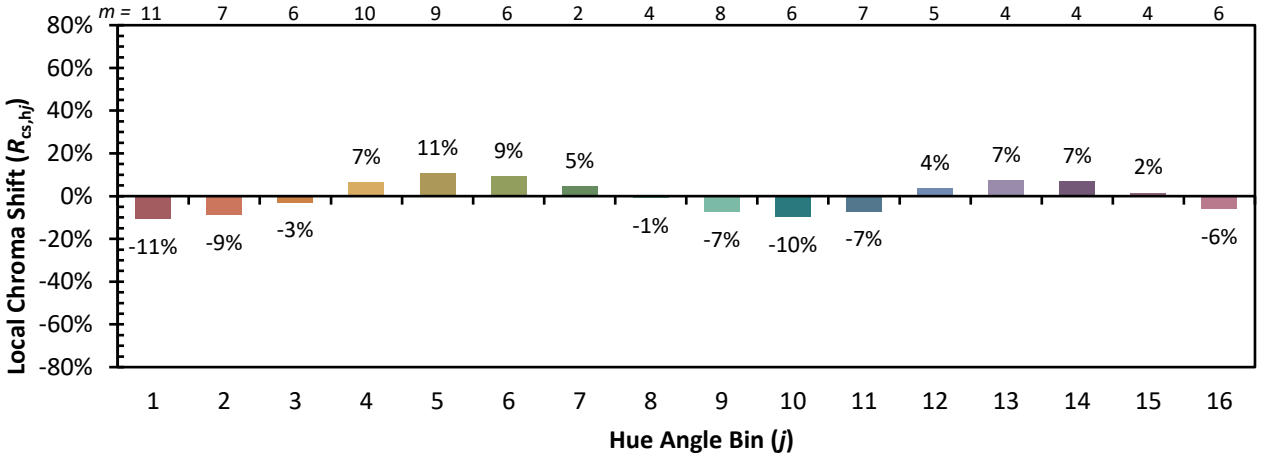
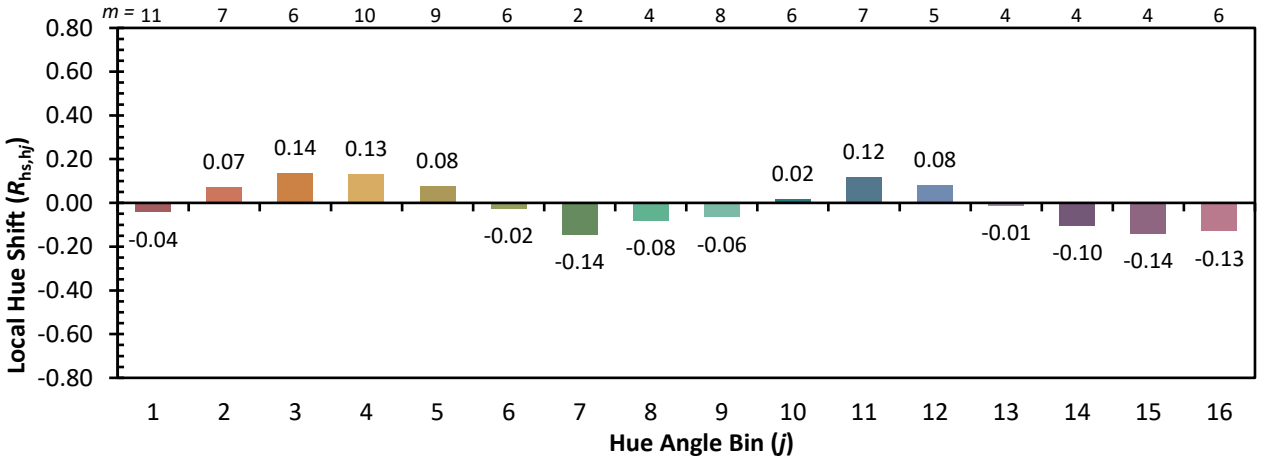
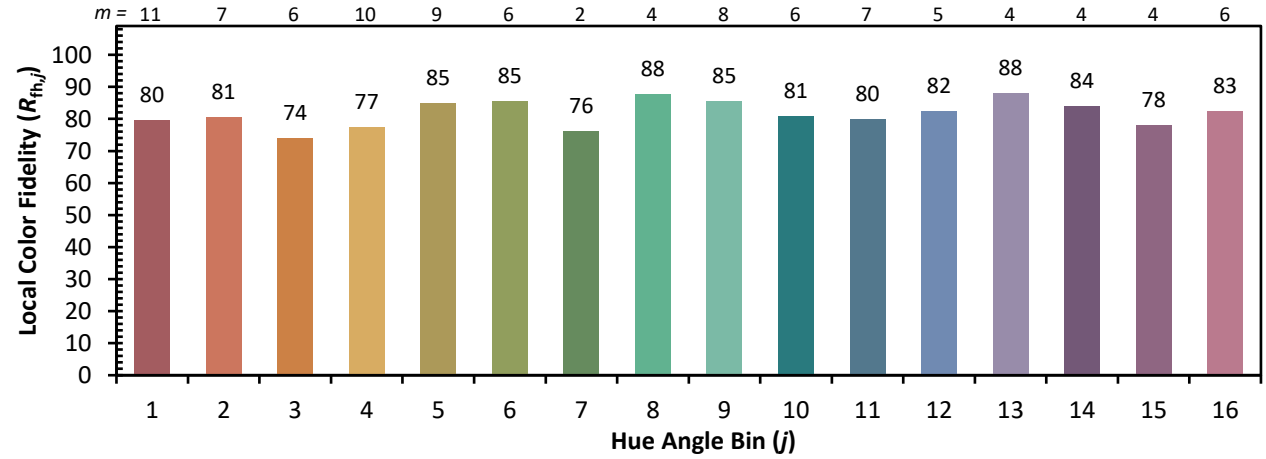
Color Rendition by Hue-Angle Bin







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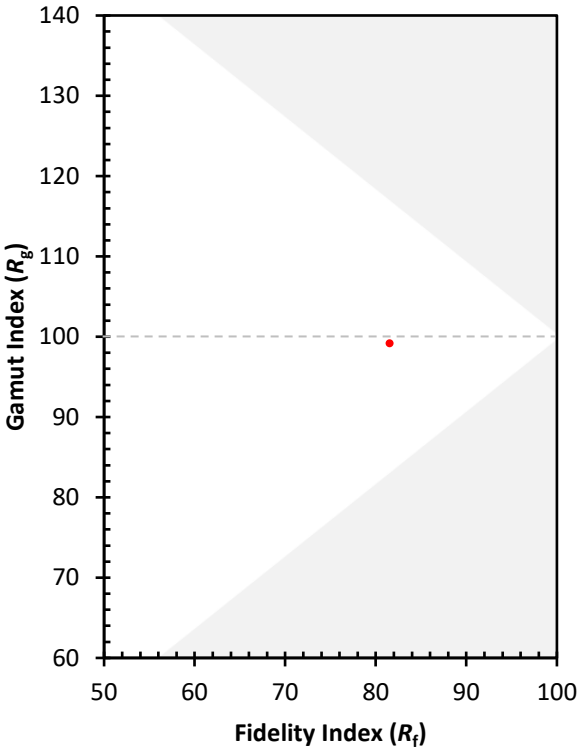
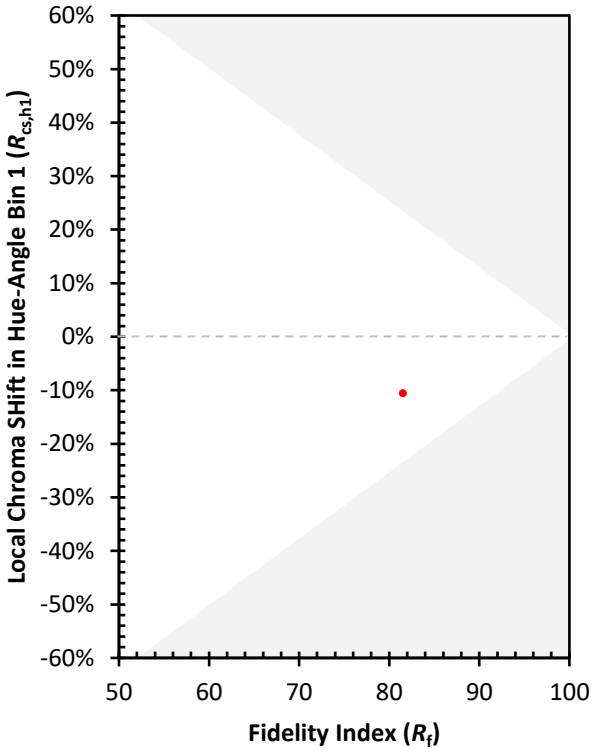
Measure Comparisons





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