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: P642463

Luminaire Tested: GWS-SA6C-830-U-T3R-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:	P642463
	TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-15)
Test Lab:	COOPER LIGHTING SOLUTIONS
Issue Date:	1/10/2023
Manufacturer:	COOPER LIGHTING SOLUTIONS
Product Line:	McGRAW-EDISON
Catalog Number:	GWS-SA6C-830-U-T3R-W
Description:	GALLEON WALL SLIM LUMINAIRE. (6) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III ROADWAY OPTICS
Light Source:	(96) 3000K CCT, 80 CRI LEDS
Ballast/Driver:	-

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	22930.8 lumens
Efficiency:	N/A
Efficacy:	121.2 lumens/watt
Luminous Opening:	Rectangular (W 2' x L: 1' x H: 0')
IES Classification:	Type III - Medium
BUG Rating:	B3 - U0 - G4

Input Watts (W):	189.2
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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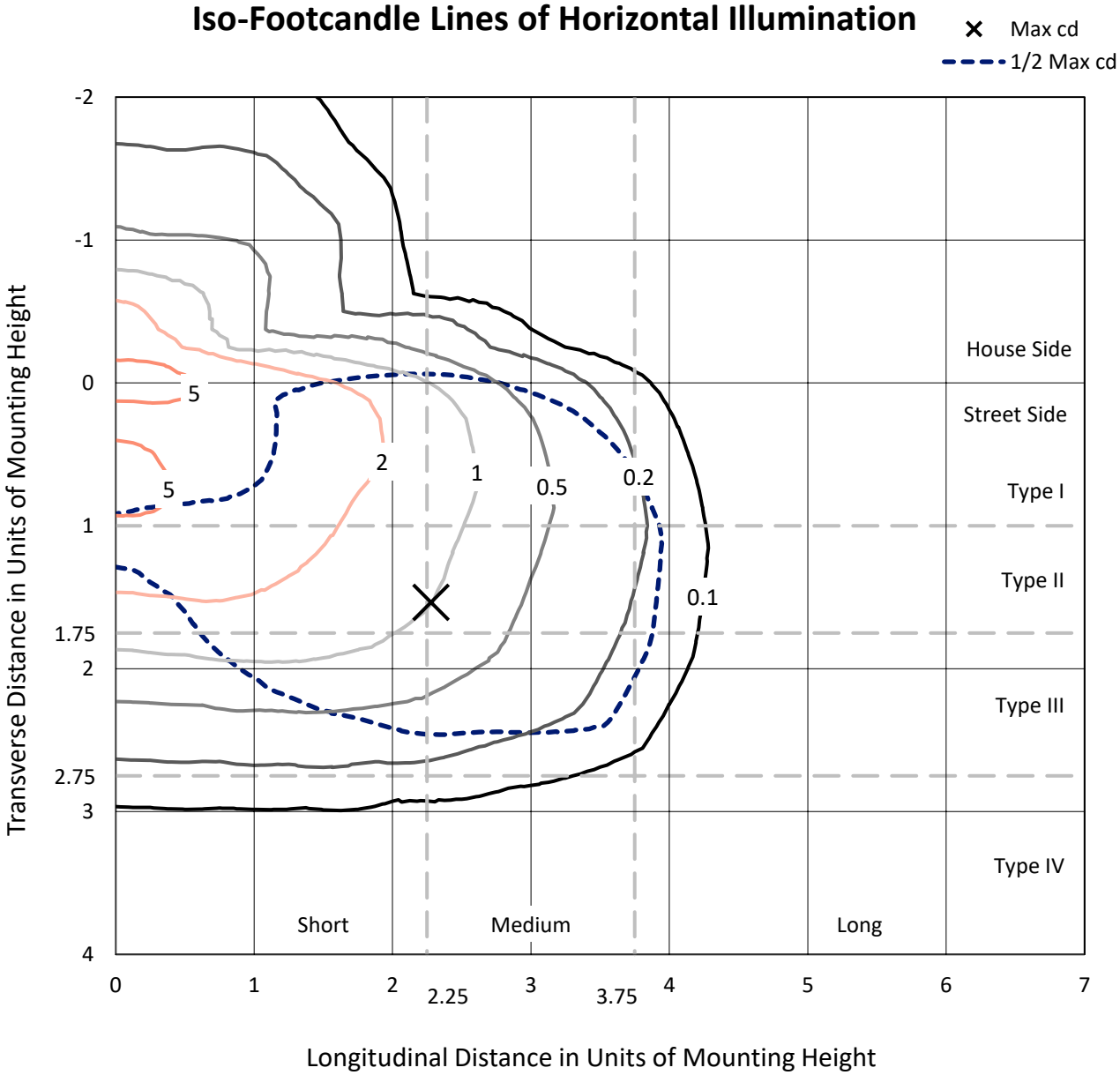
Scaled Data Report

REPORT NUMBER: P642463
CATALOG NUMBER: GWS-SA6C-830-U-T3R-W

Iso-Footcandle Lines of Horizontal Illumination



Based on 25 foot mounting height. Maximum calculated value = 6.1 fc
Type III - Medium - N/A

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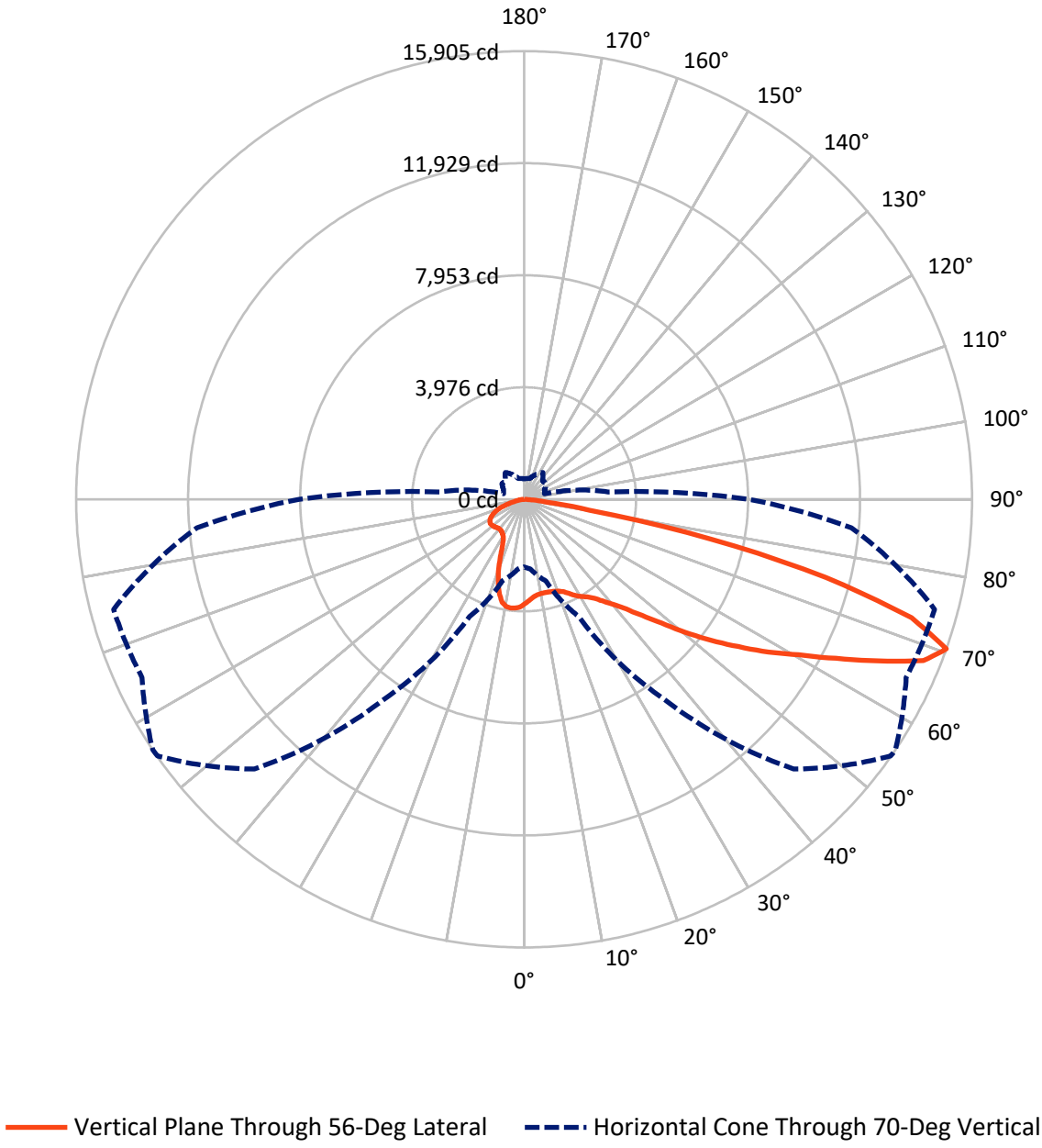
Luminous Intensity Polar Plot



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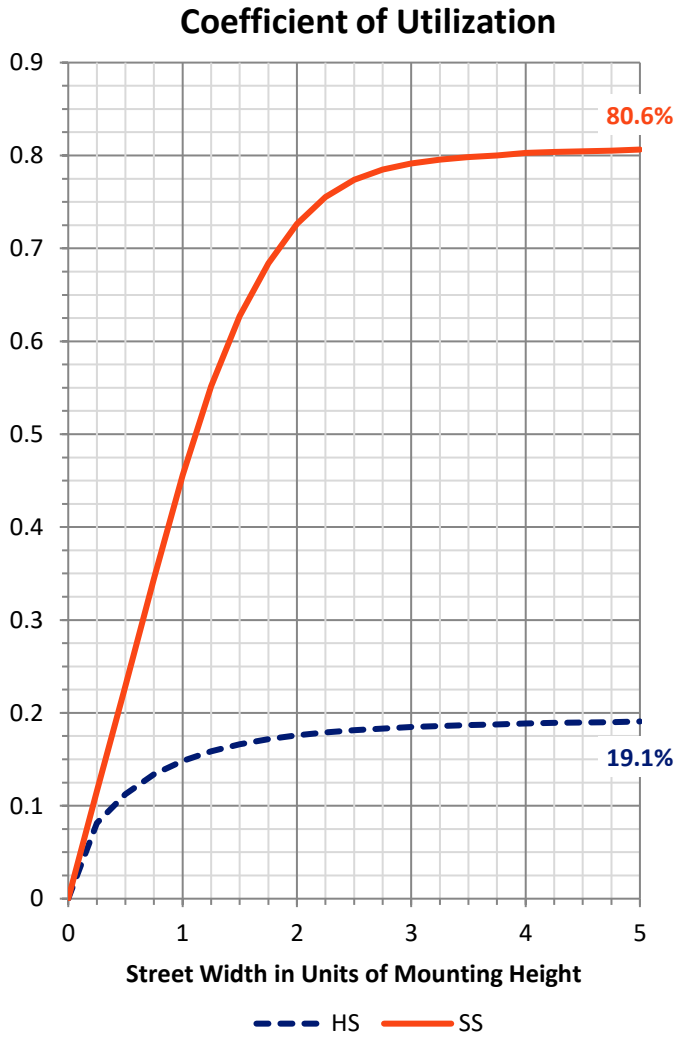
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4408.5	0.0	4408.5
	% Fixture	19.2	0.0	19.2
Street Side	Lumens	18522.3	0.0	18522.3
	% Fixture	80.8	0.0	80.8
Total	Lumens	22930.8	0.0	22930.8
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	342.5	1.5
10°-20°	928.1	4.0
20°-30°	1534.4	6.7
30°-40°	2294.1	10.0
40°-50°	3413.9	14.9
50°-60°	4853.6	21.2
60°-70°	6011.3	26.2
70°-80°	3319.3	14.5
80°-90°	233.8	1.0
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°	22930.8	100.0
0°-180°	22930.8	100.0



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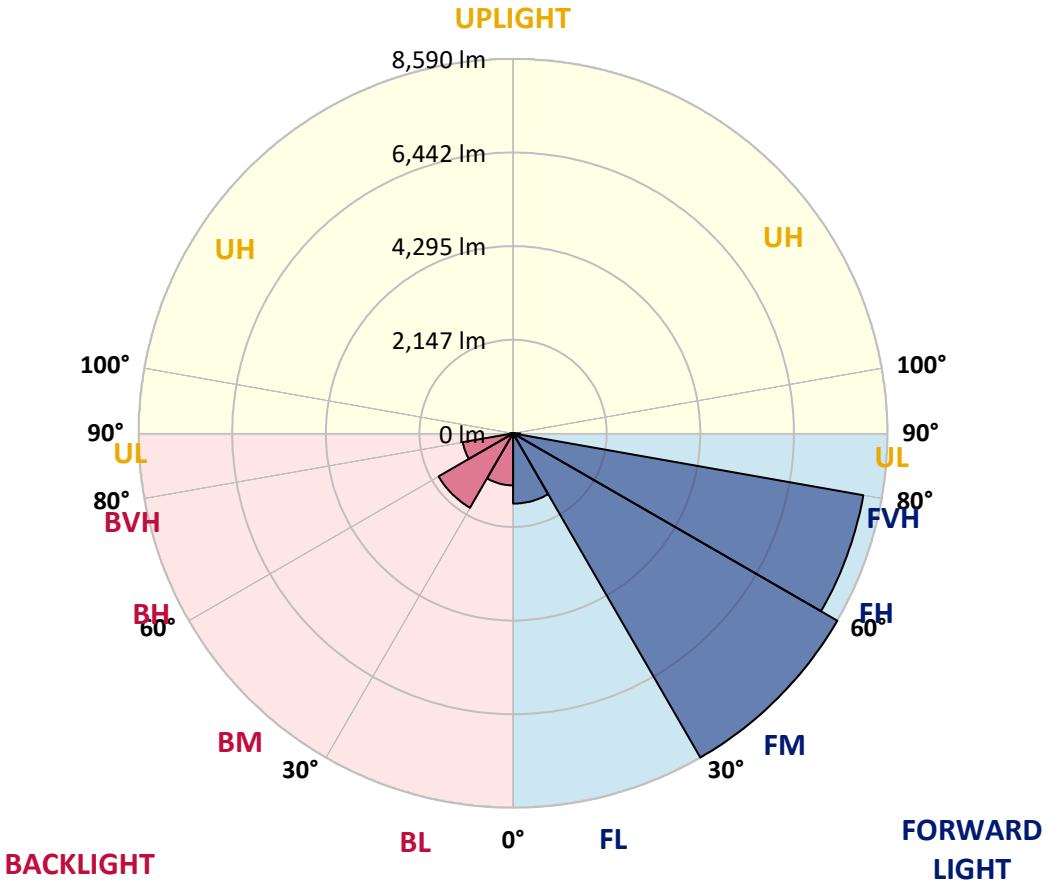
REPORT NUMBER: P642463
CATALOG NUMBER: GWS-SA6C-830-U-T3R-W

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	1611.5	7.0			
FM	(30°-60°)	8589.5	37.5			
FH	(60°-80°)	8158.8	35.6			G4/12000
FVH	(80°-90°)	162.4	0.7			G2/225
BL	(0°-30°)	1193.4	5.2	B3/2500		
BM	(30°-60°)	1972.0	8.6	B2/2500		
BH	(60°-80°)	1171.8	5.1	B3/2500		G3/2500
BVH	(80°-90°)	71.3	0.3			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G4
Type III Medium



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REPORT NUMBER: P642463
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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	56°	65°	75°	85°
0°	3701.4	3701.4	3701.4	3701.4	3701.4	3701.4	3701.4	3701.4	3701.4	3701.4	3701.4
2.5°	3463.7	3444.3	3466.9	3478.2	3507.3	3549.4	3586.6	3588.2	3607.6	3654.5	3699.8
5°	3306.8	3297.1	3303.6	3337.6	3368.3	3421.6	3478.2	3483.1	3538.1	3630.2	3720.8
7.5°	3185.6	3172.6	3196.9	3240.5	3279.3	3339.2	3413.6	3420.0	3497.6	3636.7	3775.8
10°	3010.9	3001.2	3046.5	3104.7	3188.8	3287.4	3386.1	3394.1	3496.0	3678.7	3872.8
12.5°	2934.9	2934.9	2954.3	3009.3	3101.5	3232.4	3381.2	3394.1	3521.9	3743.4	3997.3
15°	3053.0	3061.0	3044.9	3041.6	3078.8	3203.3	3387.7	3407.1	3570.4	3809.7	4120.2
17.5°	3290.7	3298.7	3256.7	3190.4	3153.2	3230.8	3411.9	3433.0	3622.1	3882.5	4252.8
20°	3623.8	3633.5	3541.3	3439.4	3311.7	3310.1	3458.8	3478.2	3688.4	3961.7	4393.5
22.5°	4013.5	4019.9	3903.5	3741.8	3546.1	3457.2	3539.7	3559.1	3774.2	4071.7	4545.5
25°	4464.6	4484.0	4343.3	4108.9	3843.7	3659.3	3673.9	3696.5	3927.8	4218.8	4725.0
27.5°	4946.5	4970.8	4809.1	4550.3	4184.9	3882.5	3846.9	3866.3	4091.1	4309.4	4820.4
30°	5439.7	5457.5	5295.8	4999.9	4551.9	4134.7	3992.4	4003.8	4162.2	4353.0	4917.4
32.5°	5987.9	5973.3	5818.1	5476.9	4975.6	4437.1	4128.3	4125.0	4241.5	4440.4	5056.5
35°	6502.1	6523.1	6358.2	5981.4	5441.3	4810.7	4332.0	4319.1	4409.6	4582.7	5252.1
37.5°	7124.6	7118.2	6920.9	6513.4	5908.6	5168.0	4618.2	4595.6	4627.9	4804.2	5525.4
40°	7569.3	7614.6	7486.9	7106.9	6455.2	5607.9	4953.0	4902.8	4910.9	5077.5	5890.8
42.5°	7933.2	7975.2	7988.1	7745.6	7081.0	6151.2	5370.2	5320.0	5324.9	5561.0	6340.4
45°	8212.9	8269.5	8452.2	8381.1	7786.0	6778.6	5934.5	5882.8	5886.0	6148.0	6883.7
47.5°	8327.7	8389.2	8759.5	8929.2	8534.7	7528.9	6636.3	6560.3	6571.6	6861.1	7504.6
50°	8290.5	8373.0	8874.3	9351.3	9162.1	8292.1	7475.5	7422.2	7378.5	7798.9	8178.9
52.5°	7970.3	8060.9	8862.9	9619.7	9674.7	9013.3	8342.3	8311.5	8301.8	8795.0	8932.5
55°	7027.6	7179.6	8473.2	9690.9	10075.7	9692.5	9281.8	9230.0	9280.1	9862.3	9694.1
57.5°	6505.3	6618.5	7710.0	9611.6	10404.0	10339.3	10219.6	10224.5	10281.1	11021.7	10617.4
60°	6207.8	6340.4	7286.3	9394.9	10719.3	11125.2	11201.2	11201.2	11303.0	12271.6	11555.3
62.5°	5813.2	5947.4	6890.2	8977.8	11010.4	12050.1	12435.0	12430.1	12470.5	13612.2	12472.2
65°	5012.8	5137.3	6094.6	8319.6	11152.7	13068.8	13836.9	13822.4	13741.5	14805.5	13078.5
67.5°	3639.9	3758.0	4668.4	7068.0	10640.1	13890.3	15280.9	15287.4	14803.9	15557.5	13110.9
70°	2399.7	2480.5	3001.2	4590.8	8652.7	13536.2	15885.7	15905.1	14967.2	15088.5	11668.5
72.5°	1497.4	1554.0	1874.1	2737.6	5113.1	10714.4	14333.4	14386.7	13465.0	13259.7	9587.4
75°	994.5	1033.3	1246.7	1596.0	2365.7	5798.7	10895.6	11067.0	10792.1	10394.3	6680.0
77.5°	598.3	630.6	794.0	1013.9	1047.8	2265.5	6359.8	6802.8	6841.7	5426.8	2797.5
80°	273.3	310.5	438.2	578.9	557.9	789.1	2242.8	2346.3	2768.4	1723.8	882.9
82.5°	161.7	177.9	291.1	287.8	237.7	383.2	806.9	827.9	703.4	630.6	376.8
85°	64.7	76.0	122.9	108.3	87.3	124.5	304.0	318.6	305.6	274.9	139.1
87.5°	0.0	0.0	0.0	0.0	1.6	3.2	27.5	29.1	42.0	76.0	42.0
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: P642463
CATALOG NUMBER: GWS-SA6C-830-U-T3R-W

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	3701.4	3701.4	3701.4	3701.4	3701.4	3701.4	3701.4	3701.4	3701.4	3701.4	3701.4
2.5°	3728.9	3719.2	3767.7	3804.9	3821.0	3837.2	3822.7	3817.8	3817.8	3785.5	3769.3
5°	3769.3	3774.2	3840.4	3871.2	3871.2	3858.2	3819.4	3791.9	3782.2	3740.2	3728.9
7.5°	3845.3	3866.3	3927.8	3926.2	3880.9	3809.7	3712.7	3638.3	3570.4	3541.3	3523.5
10°	3969.8	3997.3	4039.3	3971.4	3845.3	3657.7	3452.4	3290.7	3193.6	3116.0	3116.0
12.5°	4112.1	4138.0	4129.9	3973.0	3712.7	3361.8	3065.9	2879.9	2744.1	2673.0	2673.0
15°	4254.4	4275.4	4188.1	3898.7	3436.2	2968.9	2645.5	2422.3	2304.3	2238.0	2238.0
17.5°	4398.3	4396.7	4212.4	3727.3	3075.6	2533.9	2216.9	2043.9	2003.5	1992.2	1990.6
20°	4537.4	4500.2	4181.6	3441.0	2656.8	2095.7	1895.2	1906.5	1966.3	1992.2	1995.4
22.5°	4694.2	4602.1	4091.1	3075.6	2181.4	1791.7	1804.6	1898.4	1985.7	2024.5	2029.4
25°	4854.3	4689.4	3939.1	2647.1	1783.6	1680.1	1780.4	1885.5	1984.1	2034.2	2039.1
27.5°	4919.0	4689.4	3680.4	2150.7	1571.8	1633.2	1743.2	1845.0	1948.5	2006.7	2018.1
30°	4972.4	4649.0	3318.1	1702.7	1484.4	1587.9	1683.3	1777.1	1879.0	1950.1	1963.1
32.5°	5046.8	4613.4	2879.9	1431.1	1444.0	1544.3	1610.6	1689.8	1782.0	1828.9	1824.0
35°	5134.1	4558.4	2351.2	1301.7	1410.1	1507.1	1554.0	1600.9	1558.8	1557.2	1562.1
37.5°	5258.6	4509.9	1890.3	1243.5	1387.4	1481.2	1520.0	1419.8	1361.5	1337.3	1327.6
40°	5438.1	4490.5	1490.9	1209.5	1384.2	1479.6	1452.1	1296.9	1217.6	1133.5	1131.9
42.5°	5664.5	4475.9	1232.2	1193.4	1395.5	1516.8	1358.3	1216.0	1052.7	1015.5	1012.3
45°	5955.5	4453.3	1102.8	1190.1	1423.0	1545.9	1348.6	1104.4	992.9	976.7	976.7
47.5°	6306.4	4417.7	1044.6	1190.1	1453.7	1532.9	1319.5	1080.2	965.4	983.2	994.5
50°	6709.1	4372.5	1013.9	1186.9	1484.4	1532.9	1258.1	1075.3	958.9	1051.1	1088.3
52.5°	7139.2	4320.7	992.9	1174.0	1505.5	1534.6	1261.3	1091.5	965.4	1067.2	1098.0
55°	7614.6	4312.6	963.8	1146.5	1511.9	1492.5	1269.4	1127.1	975.1	967.0	968.6
57.5°	8214.5	4409.6	942.7	1106.0	1486.1	1406.8	1285.5	1152.9	963.8	965.4	976.7
60°	8841.9	4592.4	960.5	1067.2	1432.7	1326.0	1296.9	1140.0	908.8	882.9	886.1
62.5°	9375.5	4731.4	975.1	1049.5	1355.1	1254.8	1285.5	1110.9	878.0	871.6	886.1
65°	9598.7	4616.6	939.5	1012.3	1241.9	1167.5	1261.3	1073.7	852.2	827.9	829.5
67.5°	9351.3	4078.2	870.0	929.8	1114.1	1055.9	1222.5	1025.2	816.6	787.5	781.0
70°	*7988.1*	*2996.4*	*750.3*	*798.8*	*958.9*	*924.9*	*1162.6*	*962.1*	*760.0*	*739.0*	*724.4*
72.5°	6437.4	2121.5	622.6	635.5	751.9	779.4	1059.2	882.9	695.3	635.5	614.5
75°	4480.8	1332.4	519.1	506.1	543.3	595.1	826.3	732.5	599.9	536.9	517.4
77.5°	1927.5	684.0	405.9	399.4	362.2	412.3	633.9	611.2	502.9	430.1	418.8
80°	645.2	396.2	292.7	281.4	240.9	289.4	446.3	488.3	394.6	318.6	299.2
82.5°	323.4	229.6	186.0	168.2	161.7	182.7	263.6	304.0	273.3	219.9	186.0
85°	158.5	131.0	101.9	100.3	84.1	79.2	110.0	129.4	122.9	90.6	85.7
87.5°	58.2	51.7	32.3	25.9	16.2	11.3	6.5	6.5	4.9	4.9	4.9
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

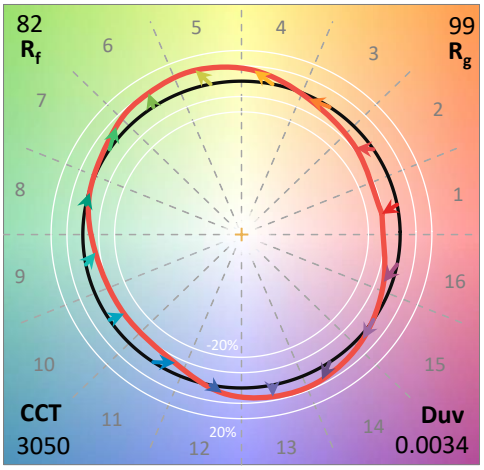
Test Information

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

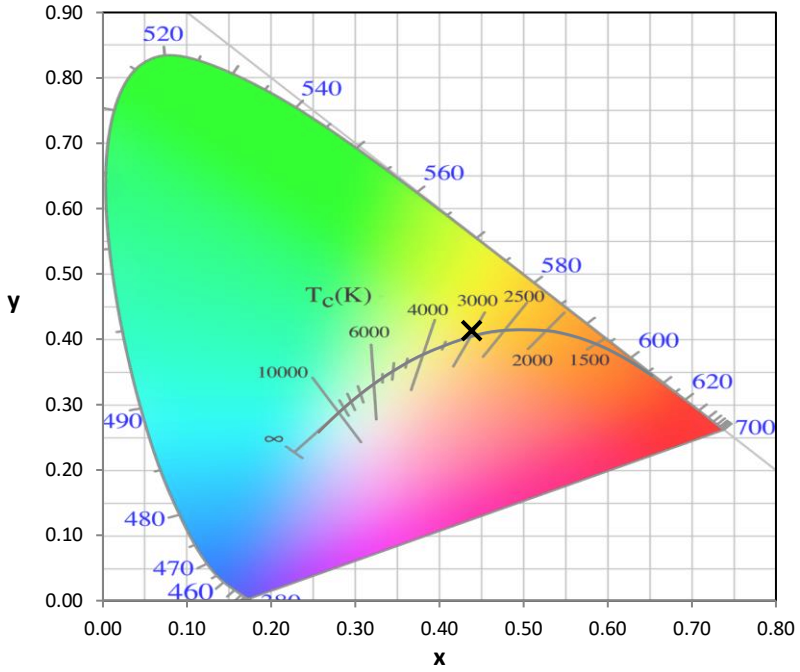
Stabilization Time:	20M
Operation Time:	1H 20M
Sphere Temperature (°C):	24.2

REPORT NUMBER: SP1-2408-195-9

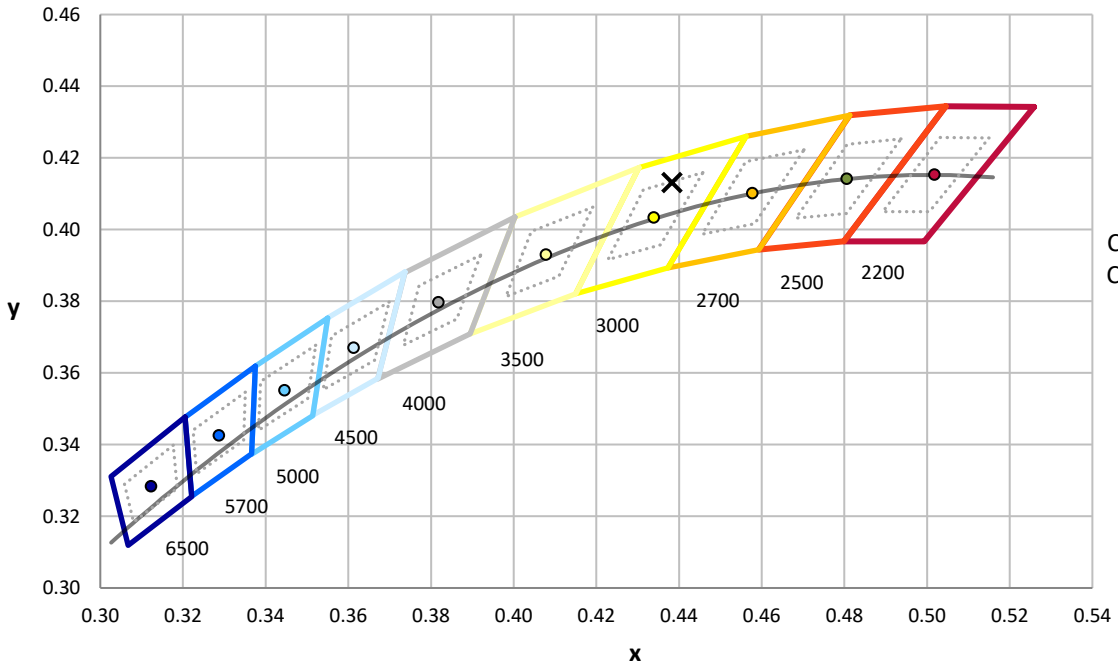
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

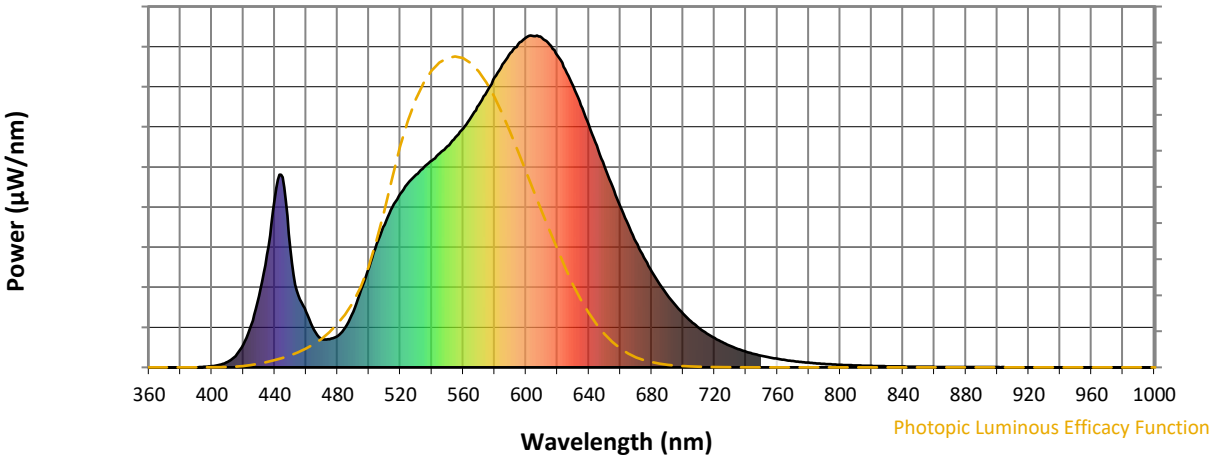


CCT = 3050K
CIE x = 0.4383
CIE y = 0.4131
Duv = 0.0034

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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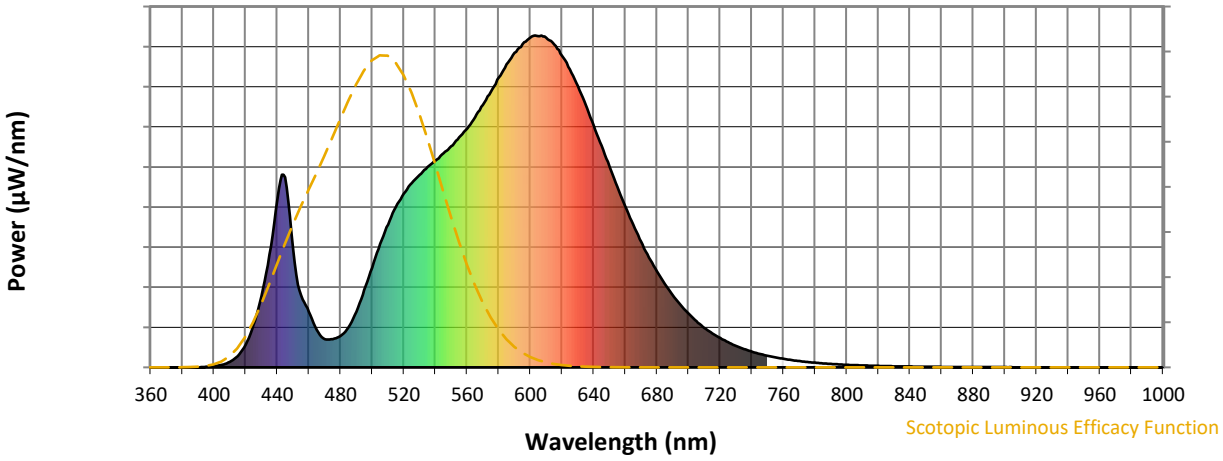
Scotopic Flux vs. Wavelength



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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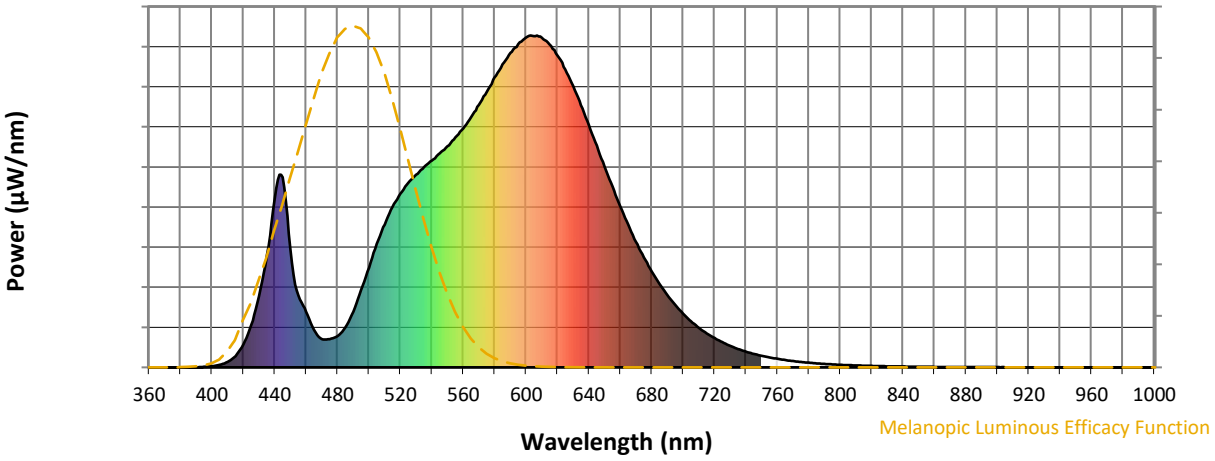
Melanopic Flux vs. Wavelength



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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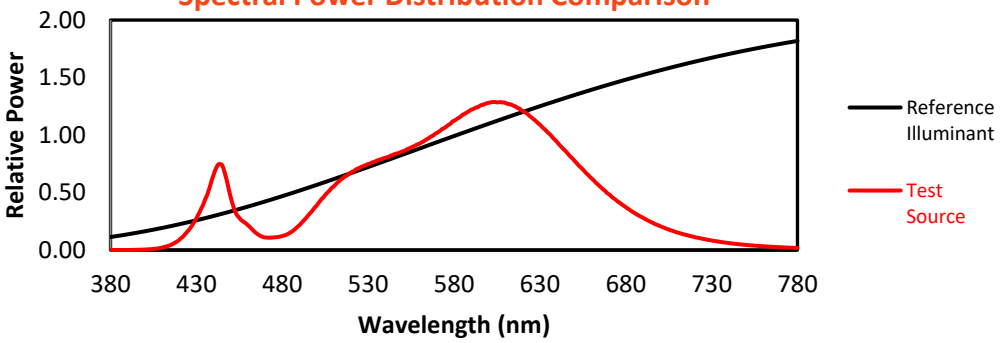
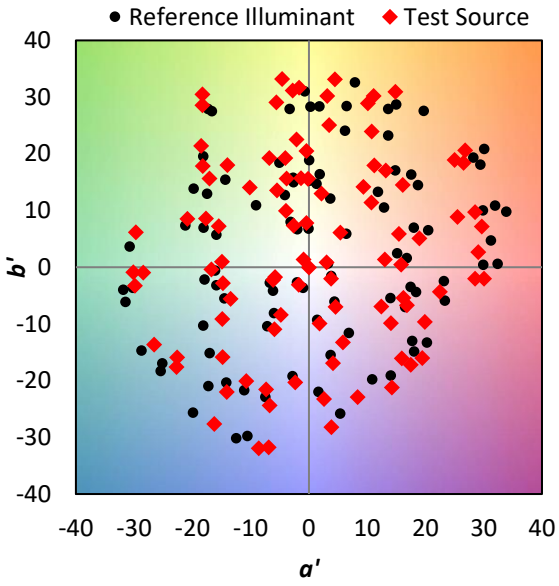
Summary

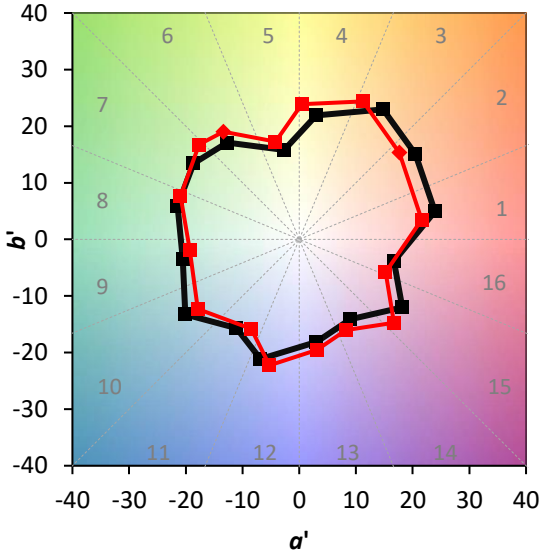
R_f = 81.5
R_g = 99.2
CIE R_a = 81.0
R_9 = 7.1

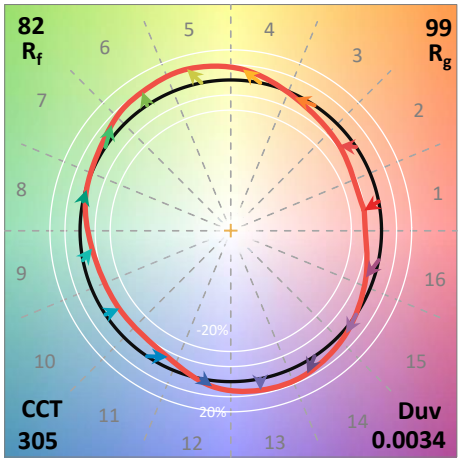
Spectral Power Distribution Comparison

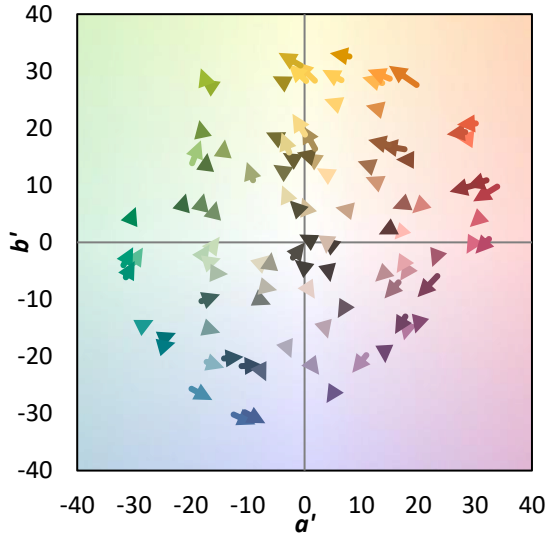


Color Vector Graphics









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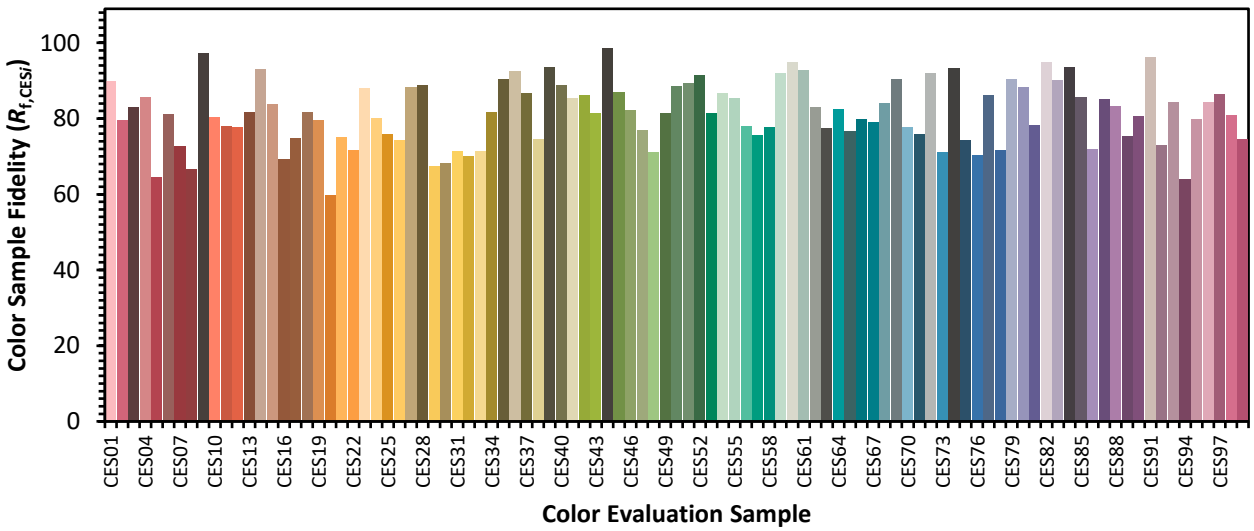
Individual Sample Fidelity Index ($R_{f,i}$)

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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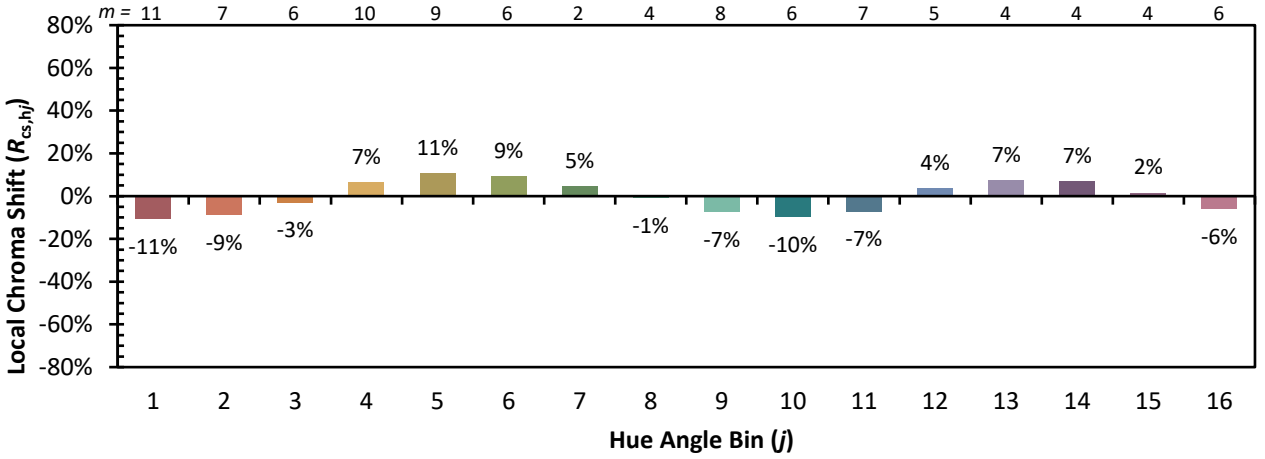
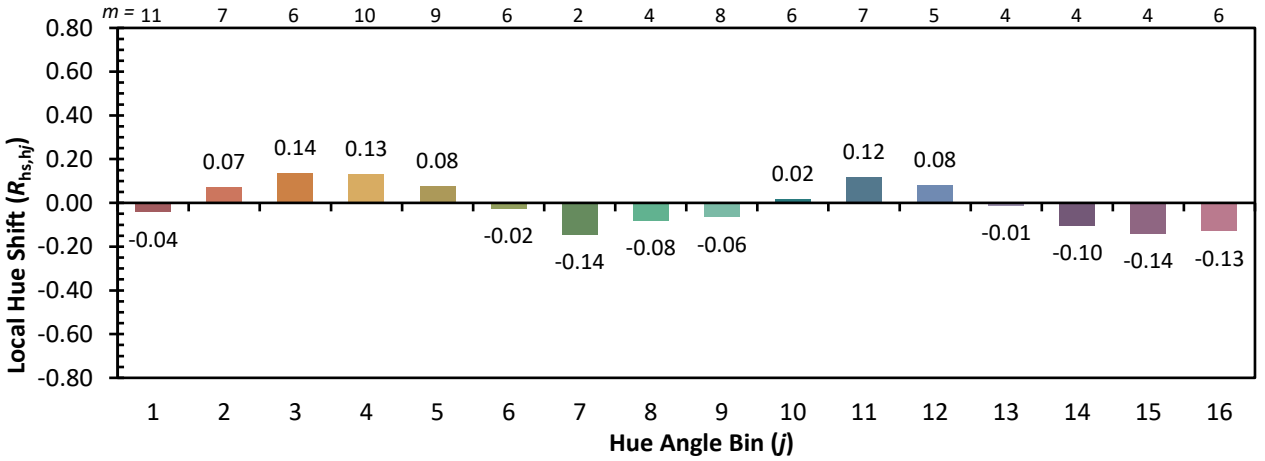
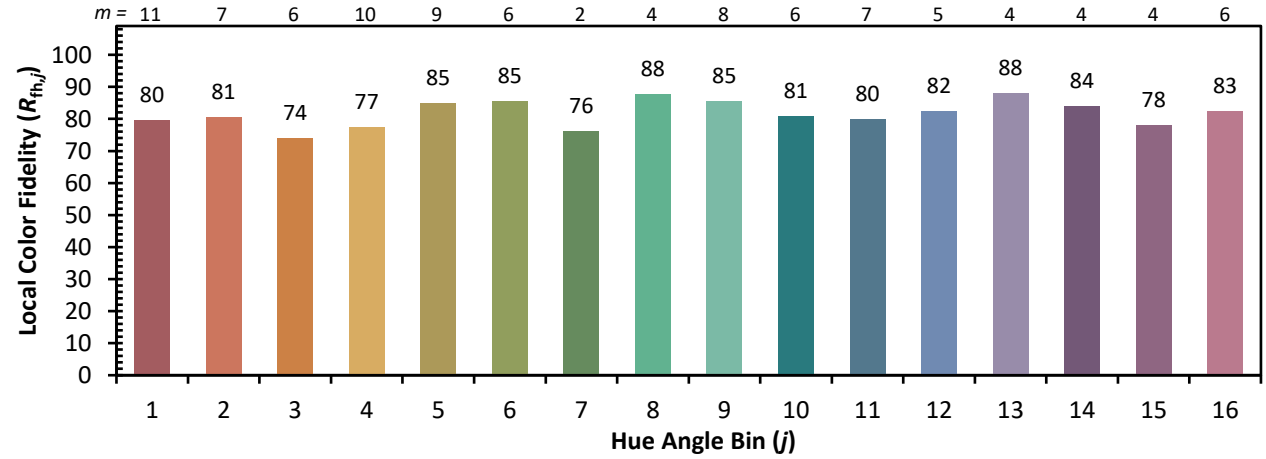
Color Rendition by Hue-Angle Bin







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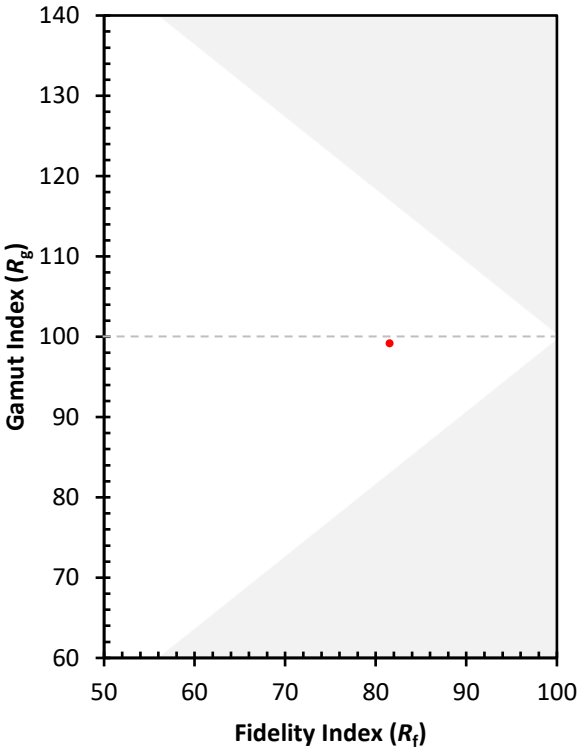
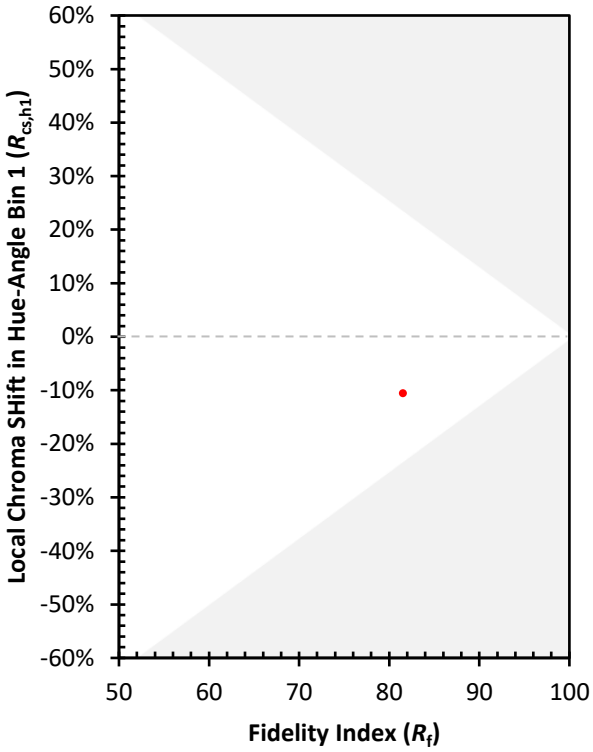
Measure Comparisons





(END OF REPORT)