Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

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Scaled data based on original data using

LM-79-2024 Approved Method: Electrical and Photometric Measurements of Solid-State Lighting Products

Test Report Prepared for

Cooper Lighting Solutions

Brand: McGRAW-EDISON

Report Number: P1202750

Luminaire Tested: GWC-SB2A-830-U-T4W-HSS

Issue Date: 10/30/2025

Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

Scaled Data Report

Test Information

Test Method:	LM-79-2024
Report Number:	P1202750
	TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-2)
Test Lab:	INNOVATION CENTER
Issue Date:	3/14/2026
Manufacturer:	COOPER LIGHTING SOLUTIONS
Product Line:	McGRAW-EDISON
Catalog Number:	GWC-SB2A-830-U-T4W-HSS
Description:	GALLEON WALL LUMINAIRE
	(2) 80 CRI, 3000K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE IV WIDE OPTICS WITH HOUSE SIDE SHIELD
Light Source:	-
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	6208 lumens
Efficiency:	N/A
Efficacy:	108.3 lumens/watt
Luminous Opening:	Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification:	Type IV - Short
BUG Rating:	B1 - U0 - G2

Input Watts (W):	57.3
Input Voltage (V):	120.0
Input Current (Ain):	0.484
Voltage Rise (V):	NR
Power Factor:	0.994
Total Harmonic Distortion (THDi):	9.038
Frequency (hertz):	60
Stabilization Time:	NR
Operation Time:	NR
Ambient Temperature (°C):	NR
Test Distance:	28.75 FT

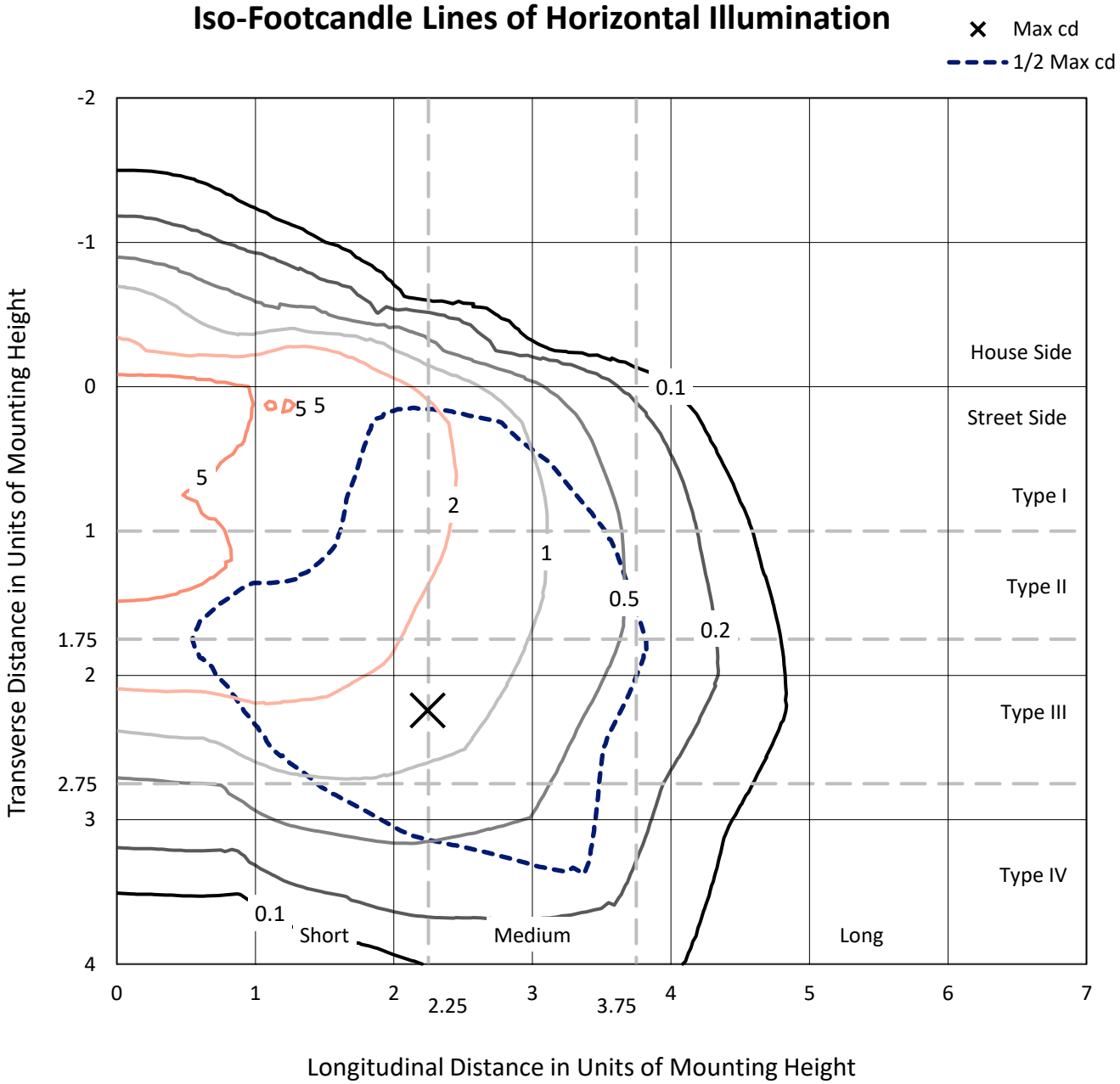


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REPORT NUMBER: P1202750
CATALOG NUMBER: GWC-SB2A-830-U-T4W-HSS

Iso-Footcandle Lines of Horizontal Illumination



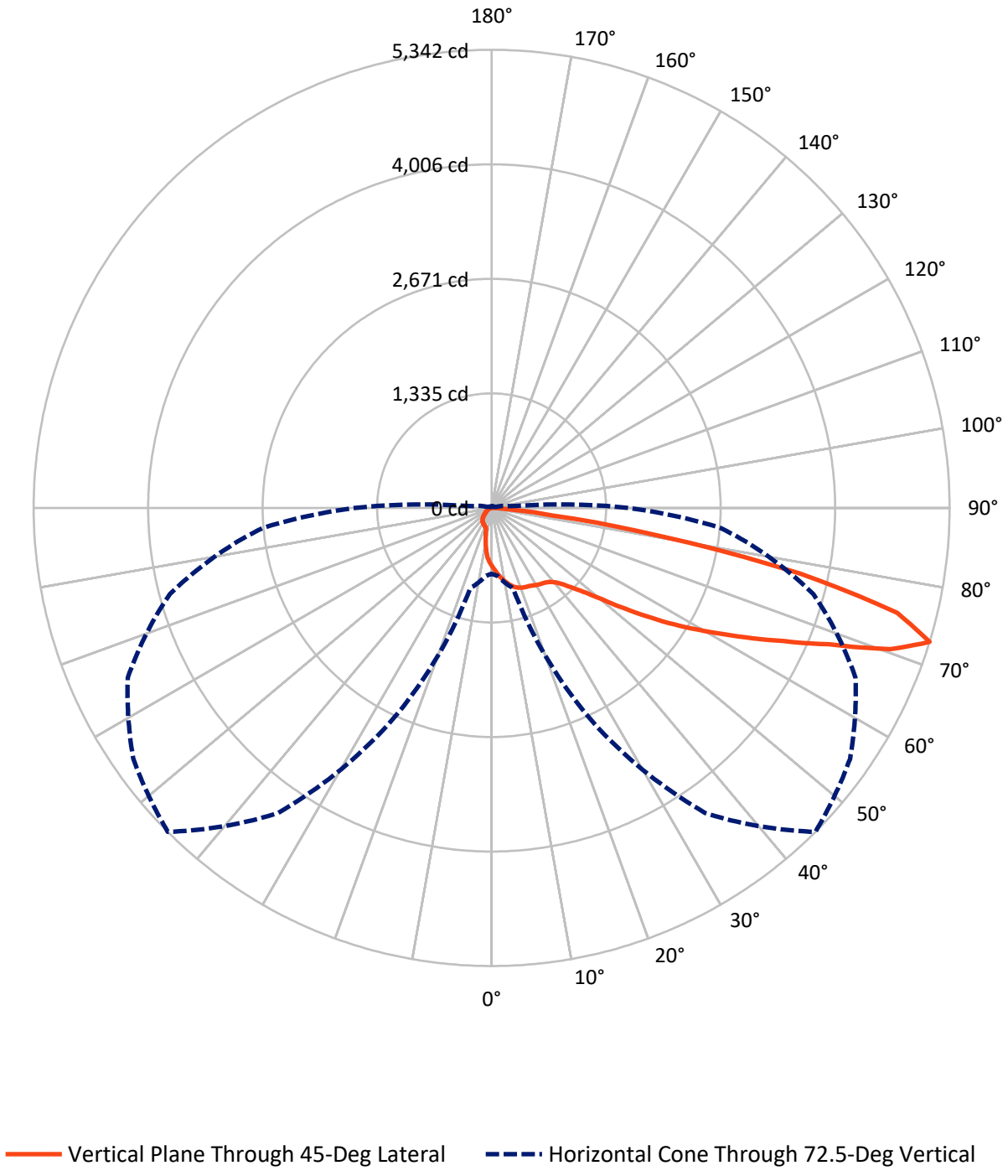
Based on 10 foot mounting height. Maximum calculated value = 11.7 fc
Type IV - Short - N/A

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REPORT NUMBER: P1202750
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Luminous Intensity Polar Plot



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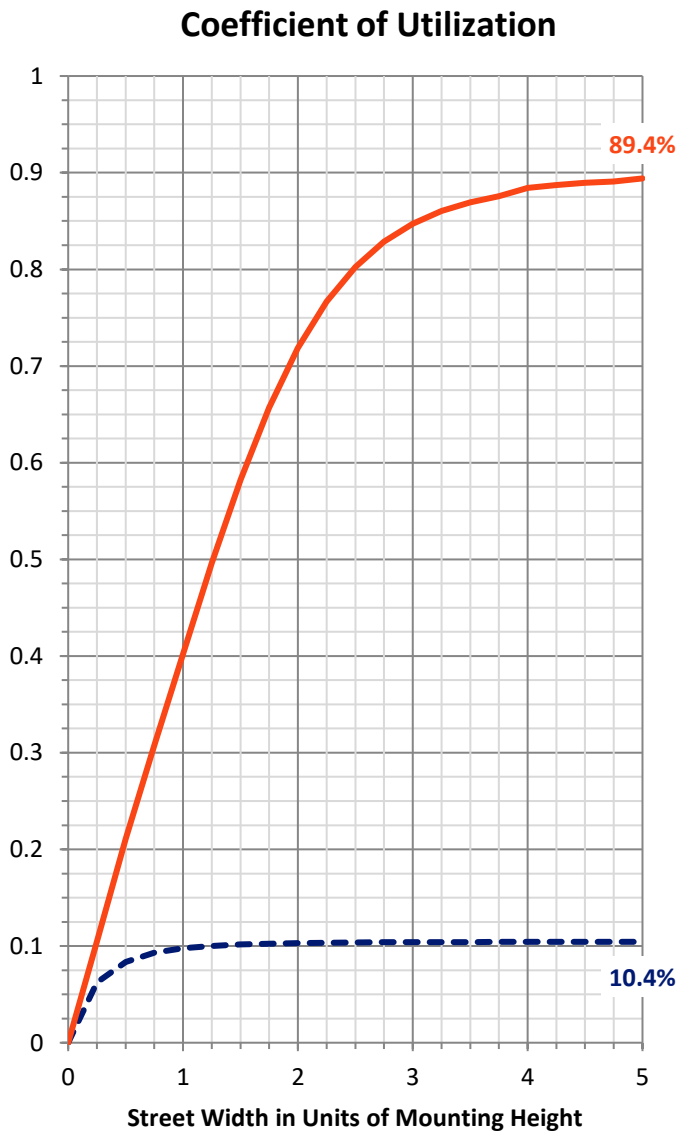
REPORT NUMBER: P1202750
CATALOG NUMBER: GWC-SB2A-830-U-T4W-HSS

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	652.3	0.0	652.3
	% Fixture	10.5	0.0	10.5
Street Side	Lumens	5555.7	0.0	5555.7
	% Fixture	89.5	0.0	89.5
Total	Lumens	6208.0	0.0	6208.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	64.1	1.0
10°-20°	187.3	3.0
20°-30°	307.5	5.0
30°-40°	436.2	7.0
40°-50°	720.9	11.6
50°-60°	1295.1	20.9
60°-70°	1798.3	29.0
70°-80°	1304.4	21.0
80°-90°	94.3	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°	6208.0	100.0
0°-180°	6208.0	100.0



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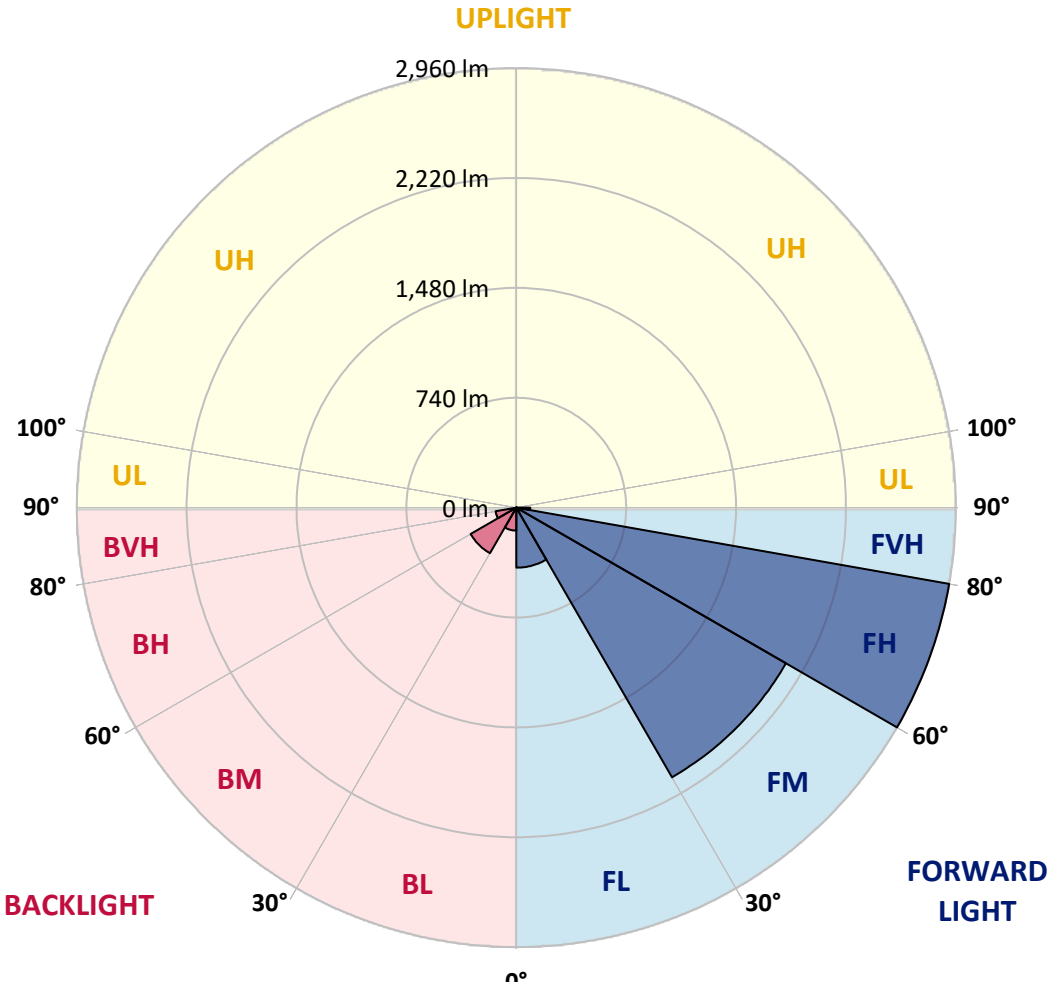
Scaled Data Report

REPORT NUMBER: P1202750
CATALOG NUMBER: GWC-SB2A-830-U-T4W-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	404.4	6.5			
FM	(30°-60°)	2097.4	33.8			
FH	(60°-80°)	2960.4	47.7			G2/5000
FVH	(80°-90°)	93.5	1.5			G1/100
BL	(0°-30°)	154.5	2.5	B1/500		
BM	(30°-60°)	354.8	5.7	B1/1000		
BH	(60°-80°)	142.2	2.3	B1/500		G1/500
BVH	(80°-90°)	0.8	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-G2
Type IV Short



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Scaled Data Report

REPORT NUMBER: P1202750
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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	46°	55°	65°	75°	85°
0°	680.1	680.1	680.1	680.1	680.1	*680.1*	680.1	680.1	680.1	680.1	680.1
2.5°	742.8	744.1	743.2	738.2	729.7	*725.0*	722.5	714.0	708.5	698.7	688.6
5°	811.0	816.1	813.2	803.0	786.9	*775.4*	772.1	754.7	739.0	720.8	699.6
7.5°	883.5	886.0	880.5	867.4	845.8	*826.3*	823.3	799.2	774.2	746.2	717.4
10°	946.2	949.2	940.7	921.6	897.1	*872.9*	868.7	842.0	812.3	778.0	741.1
12.5°	998.8	1001.7	990.7	967.8	940.7	*915.7*	911.5	883.5	850.9	812.7	767.0
15°	1038.6	1044.1	1029.3	1004.7	975.4	*950.4*	948.3	920.8	889.0	846.6	797.9
17.5°	1061.9	1067.4	1053.4	1023.8	998.8	*977.6*	975.0	952.1	922.5	881.8	828.0
20°	1065.7	1070.8	1056.0	1030.1	1009.3	*992.4*	991.1	974.6	953.0	914.0	860.6
22.5°	1054.3	1060.6	1047.1	1026.3	1011.9	*1003.0*	1001.3	992.0	979.7	946.6	891.1
25°	1042.4	1047.5	1037.3	1019.1	1011.5	*1010.6*	1011.9	1010.2	1007.6	979.7	926.7
27.5°	1041.5	1047.1	1035.6	1018.2	1014.0	*1022.9*	1024.2	1032.2	1034.3	1009.8	961.0
30°	1048.8	1052.6	1041.5	1023.3	1021.2	*1041.5*	1042.0	1056.4	1059.8	1035.2	994.9
32.5°	1064.4	1068.7	1057.7	1031.0	1028.0	*1056.4*	1057.7	1076.7	1082.2	1062.3	1030.5
35°	1101.3	1106.4	1093.7	1052.1	1041.5	*1070.4*	1074.2	1096.6	1107.7	1091.1	1067.4
37.5°	1193.2	1178.4	1161.0	1094.9	1072.5	*1092.4*	1098.8	1125.0	1144.5	1125.4	1111.5
40°	1421.6	1375.0	1320.8	1167.8	1126.7	*1139.4*	1144.5	1170.8	1197.5	1178.8	1172.1
42.5°	1764.4	1709.4	1622.1	1335.6	1208.5	*1214.9*	1218.7	1241.6	1279.3	1264.4	1266.1
45°	2070.0	2050.0	1961.1	1622.1	1361.5	*1330.1*	1334.8	1346.6	1402.1	1396.6	1407.7
47.5°	2304.7	2293.3	2224.6	1950.9	1620.0	*1471.2*	1484.4	1489.9	1569.9	1589.4	1619.1
50°	2485.2	2481.0	2419.5	2243.3	1957.7	*1679.3*	1683.9	1672.1	1792.0	1840.3	1896.7
52.5°	2655.6	2670.0	2624.6	2514.9	2318.3	*1951.7*	1950.9	1895.0	2056.8	2129.7	2225.9
55°	2809.4	2814.5	2819.1	2792.0	2681.0	*2261.9*	2253.9	2162.3	2364.0	2439.5	2543.7
57.5°	2953.9	2956.0	2997.5	3053.0	3058.5	*2595.0*	2580.1	2470.4	2699.6	2753.4	2817.4
60°	3050.9	3060.7	3148.4	3302.6	3370.0	*2938.6*	2930.6	2818.7	3041.2	3066.2	3054.3
62.5°	2911.1	2970.4	3191.6	3497.5	3664.1	*3319.6*	3315.8	3210.7	3400.5	3380.2	3278.5
65°	2356.4	2456.8	2845.8	3629.3	3952.6	*3745.0*	3750.5	3638.6	3769.6	3703.5	3460.7
67.5°	1648.3	1754.3	2214.5	3639.9	4275.1	*4244.6*	4276.4	4100.9	4161.5	4013.2	3503.9
70°	1139.9	1194.5	1494.1	3411.9	4526.4	*4932.7*	4931.9	4668.7	4551.4	4154.3	3283.5
72.5°	*766.5*	*794.9*	*970.4*	*2706.8*	*4341.6*	*5341.6*	*5317.1*	*5102.7*	*4682.7*	*3885.3*	*2682.7*
75°	323.3	344.1	449.2	1521.2	3434.8	*4887.0*	4820.4	4509.4	4160.7	3059.4	1673.8
77.5°	102.5	111.4	177.1	544.5	1892.0	*3673.4*	3603.0	2816.2	2788.6	1534.8	611.9
80°	48.7	56.8	99.6	218.6	744.5	*1997.9*	1988.2	1277.6	1199.6	414.4	122.9
82.5°	21.2	25.0	55.1	117.0	333.1	*712.7*	727.1	434.8	359.8	157.2	37.7
85°	6.8	8.9	25.4	53.8	140.7	*177.1*	175.0	103.4	144.9	85.6	13.1
87.5°	0.0	0.0	8.5	12.3	14.4	*10.2*	11.4	8.9	40.3	23.7	4.7
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: P1202750
CATALOG NUMBER: GWC-SB2A-830-U-T4W-HSS

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	680.1	680.1	680.1	680.1	680.1	680.1	680.1	680.1	680.1	680.1	680.1
2.5°	683.5	676.7	664.8	653.8	644.1	634.3	628.4	619.9	619.1	619.1	621.2
5°	688.2	677.1	655.9	633.5	607.6	583.1	558.5	534.8	527.1	521.6	524.2
7.5°	701.7	684.3	650.9	608.1	558.9	505.1	467.4	426.7	411.0	402.6	403.8
10°	721.2	697.5	646.6	571.6	492.0	418.7	364.8	320.8	303.8	296.6	296.6
12.5°	742.8	713.6	639.0	526.3	418.7	330.9	278.4	258.1	255.5	255.5	255.5
15°	768.7	733.1	625.9	472.9	342.0	261.9	243.2	244.1	246.6	248.3	248.3
17.5°	795.4	753.8	605.1	413.1	274.2	235.6	236.0	237.3	239.4	241.1	241.1
20°	824.2	774.6	577.6	349.6	235.2	228.0	229.2	230.5	232.2	233.1	233.5
22.5°	855.1	794.1	544.9	287.3	222.0	221.6	222.0	223.3	225.4	225.4	226.3
25°	888.2	815.7	507.6	242.0	215.3	215.3	216.1	217.0	218.6	218.6	219.1
27.5°	922.1	835.6	468.2	218.2	209.3	208.9	208.9	210.2	211.0	211.4	211.9
30°	959.3	858.9	428.8	213.1	204.7	202.5	201.3	202.1	203.0	203.4	204.2
32.5°	997.5	881.4	393.7	215.3	200.0	196.2	192.0	191.1	191.1	192.8	194.1
35°	1039.9	906.0	366.5	222.5	197.5	186.9	180.1	176.3	176.7	179.2	180.5
37.5°	1090.7	935.6	346.6	228.8	195.8	176.3	165.3	160.6	157.6	160.6	159.7
40°	1157.2	979.3	332.2	233.9	193.6	164.0	149.2	141.5	136.0	137.7	136.9
42.5°	1255.1	1047.9	326.7	234.3	189.0	149.6	132.6	122.5	114.4	114.8	113.1
45°	1392.4	1156.4	355.1	228.8	178.8	133.9	115.3	101.7	96.6	95.3	93.6
47.5°	1580.5	1314.4	420.8	217.4	164.0	118.6	98.3	86.9	83.1	80.9	79.7
50°	1832.7	1517.4	493.7	204.7	149.2	104.2	84.3	77.1	74.6	72.5	72.0
52.5°	2125.0	1723.3	553.4	192.0	134.3	91.5	75.4	71.2	69.1	67.4	67.0
55°	2393.3	1865.3	550.0	178.4	119.9	81.4	69.1	66.5	64.0	62.3	61.4
57.5°	2560.2	1885.2	453.4	163.6	103.4	73.3	63.1	61.4	58.5	56.4	55.9
60°	2636.9	1771.6	317.8	144.1	86.9	65.7	56.8	55.9	52.1	49.2	48.3
62.5°	2650.9	1560.6	211.9	119.9	72.5	58.5	50.4	49.2	44.1	39.0	36.4
65°	2594.1	1258.9	146.6	93.6	61.9	50.8	43.2	40.7	35.2	30.1	28.4
67.5°	2414.5	883.9	102.1	67.4	52.5	40.3	34.3	33.5	29.2	25.0	23.7
70°	2085.2	503.8	68.2	50.4	41.5	27.5	27.1	28.0	23.7	20.3	18.6
72.5°	*1598.8*	*230.5*	*42.4*	*36.9*	*28.4*	*18.6*	*21.6*	*22.0*	*18.2*	*15.3*	*13.6*
75°	941.1	98.7	26.7	23.7	14.4	12.3	15.7	16.1	12.3	9.7	8.5
77.5°	320.3	37.3	16.9	14.0	7.2	6.8	10.2	10.2	6.8	3.8	3.0
80°	72.9	14.0	8.5	5.5	3.4	3.0	3.4	3.0	1.7	0.4	0.0
82.5°	20.8	5.5	3.4	2.1	1.3	1.3	0.4	0.0	0.0	0.0	0.0
85°	5.9	2.5	0.8	0.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	2.5	0.4	0.0	0.0	0.0	0.0	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


HS
SS

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

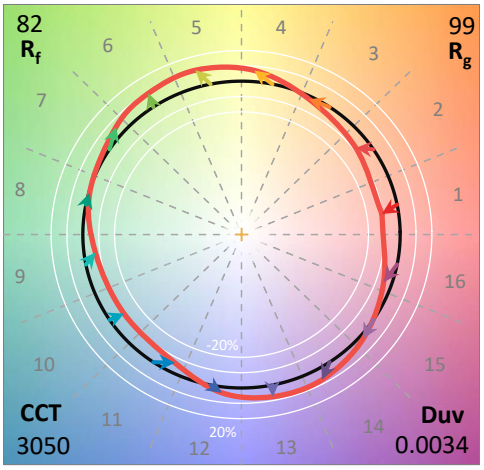
Test Information

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

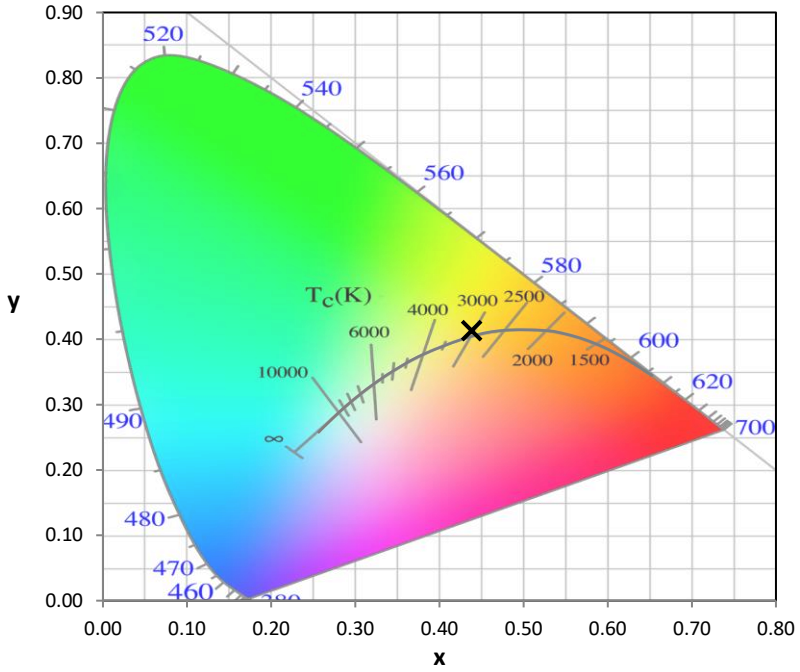
Stabilization Time:	20M
Operation Time:	1H 20M
Sphere Temperature (°C):	24.2

REPORT NUMBER: SP1-2408-195-9

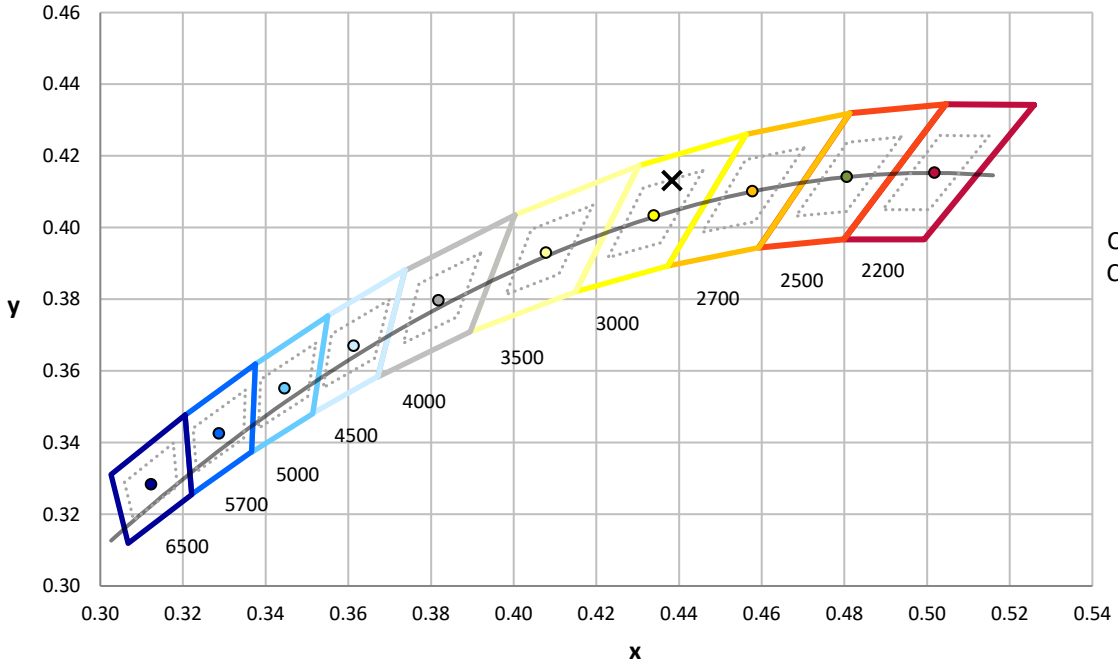
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

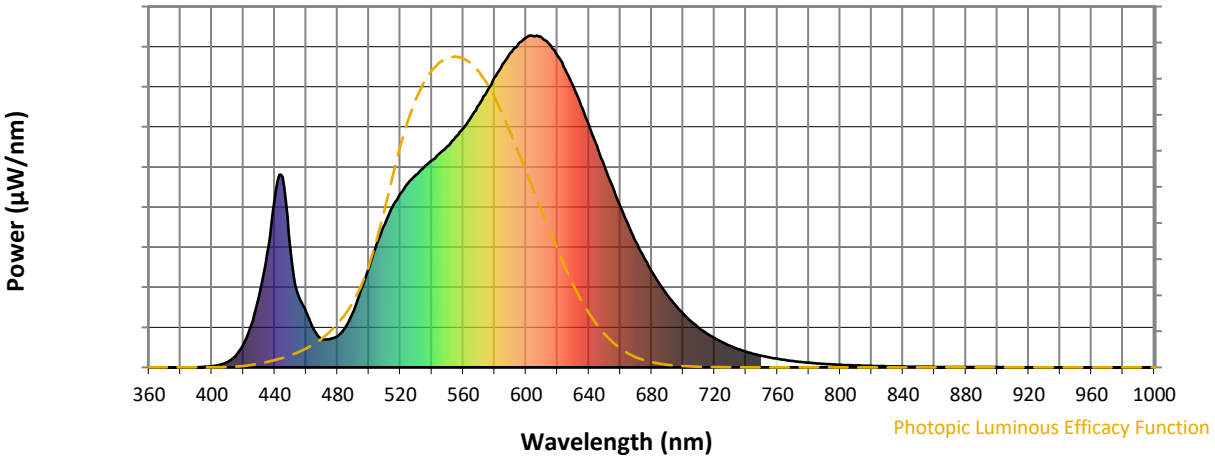


CCT = 3050K
CIE x = 0.4383
CIE y = 0.4131
Duv = 0.0034

Point lies inside the ANSI 3000K 4-step quadrangle

REPORT NUMBER: SP1-2408-195-9

Photopic Flux vs. Wavelength

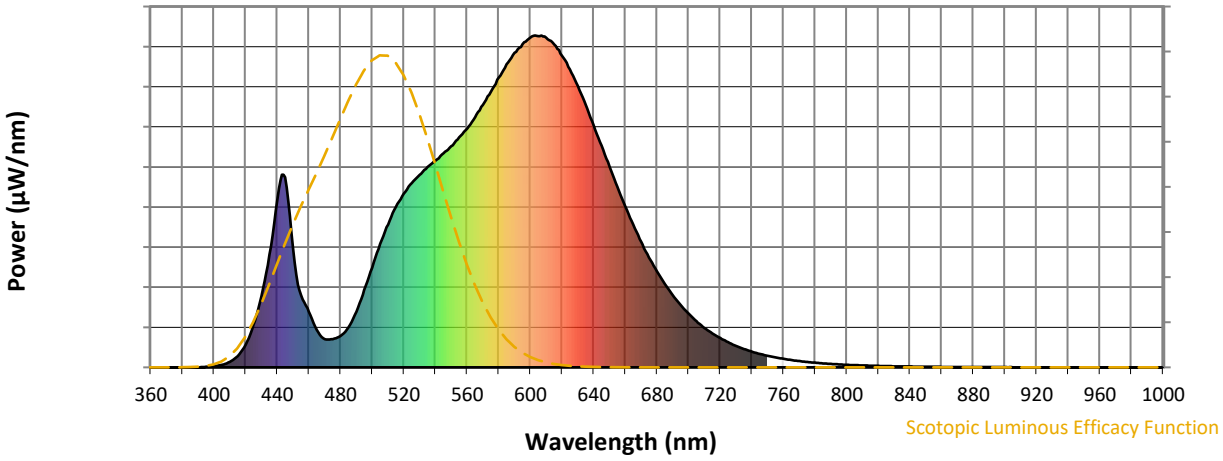


Photopic Lumens: NR

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

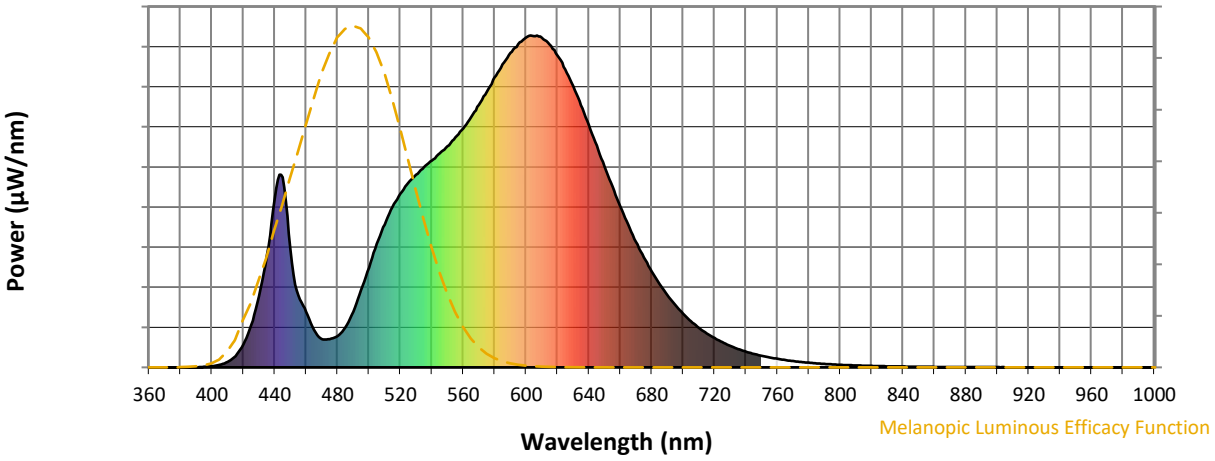


Scotopic Lumens: NR **S/P: 1.27**

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			

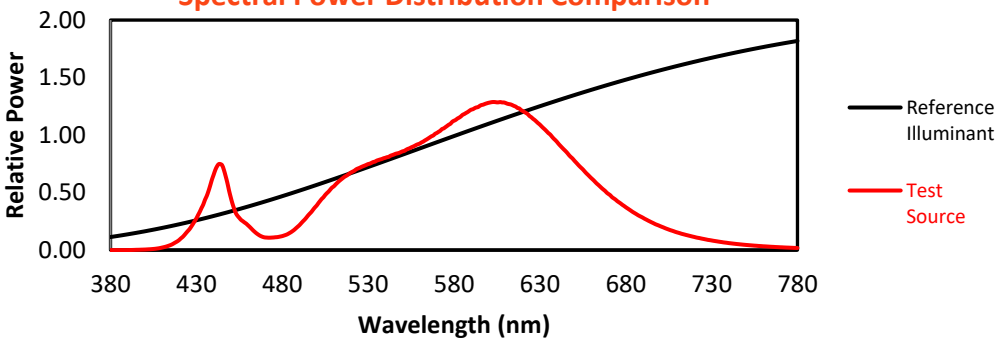
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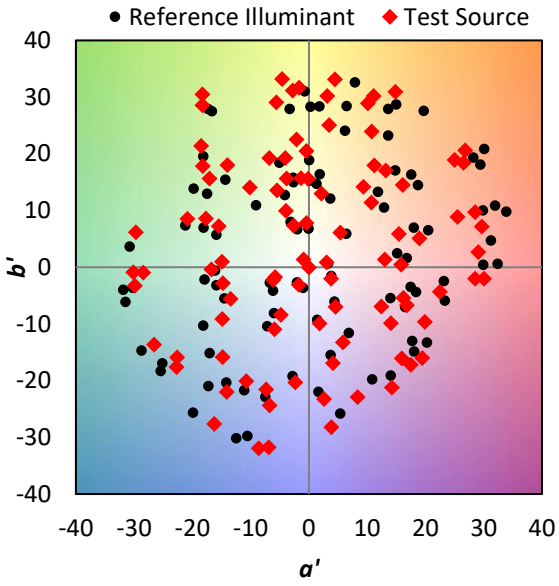
Summary

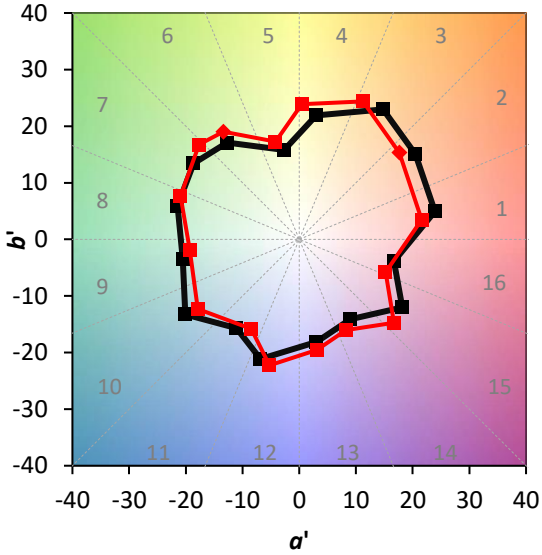
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R_g = 99.2
CIE R_a = 81.0
R_9 = 7.1

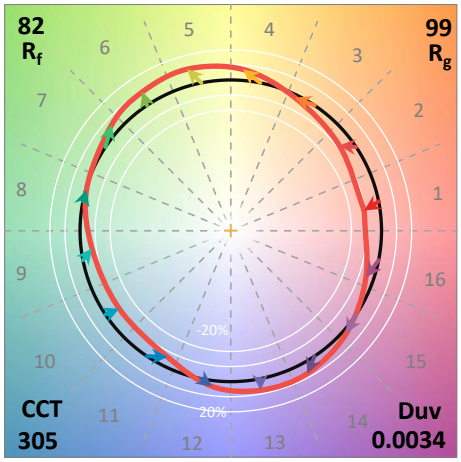
Spectral Power Distribution Comparison

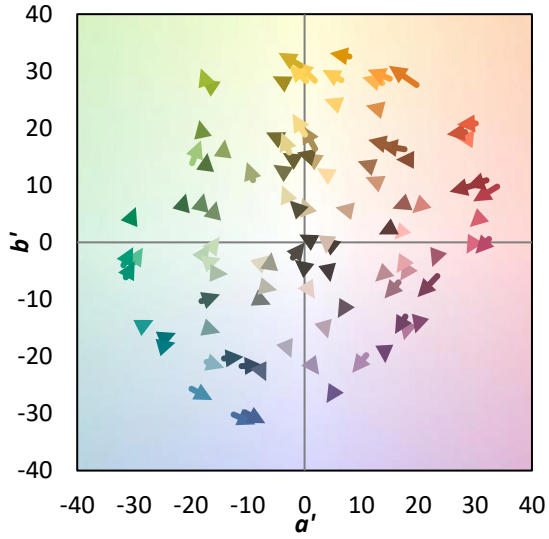


Color Vector Graphics







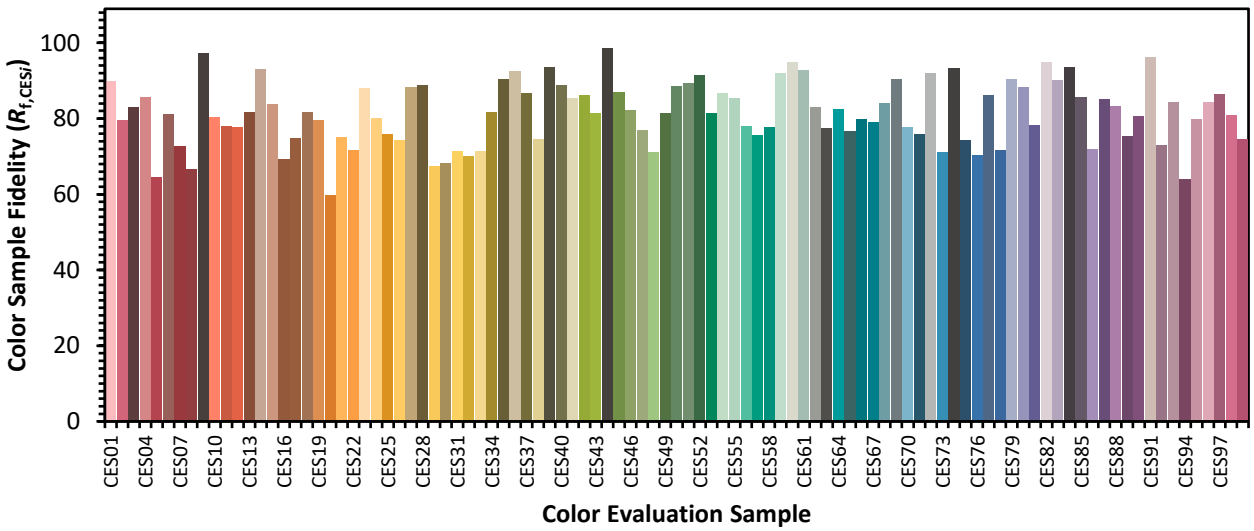


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Individual Sample Fidelity Index ($R_{f,i}$)

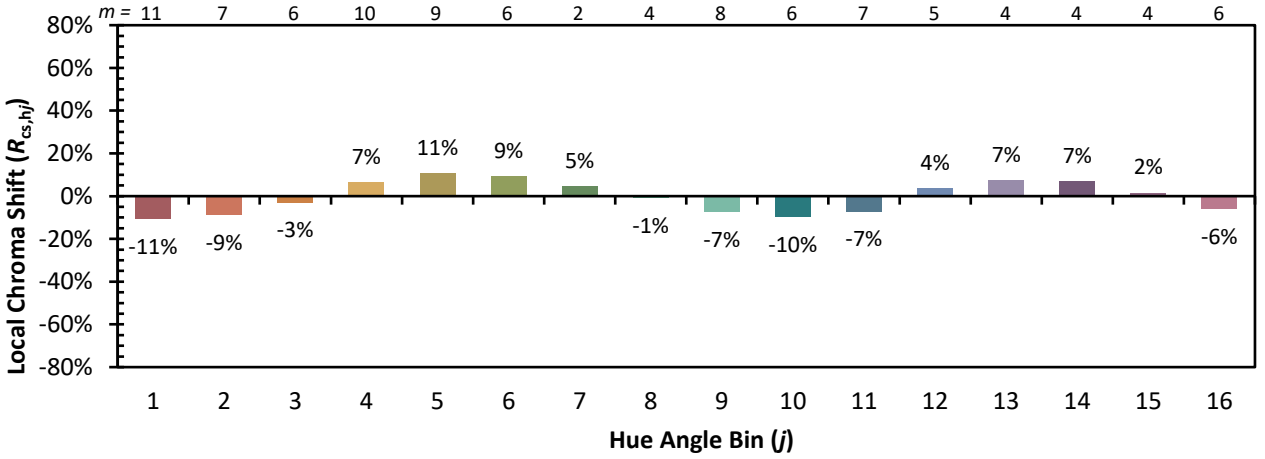
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CES02 = 63	CES27 = 88	CES52 = 92	CES77 = 86
CES03 = 31	CES28 = 89	CES53 = 81	CES78 = 72
CES04 = 70	CES29 = 67	CES54 = 87	CES79 = 90
CES05 = 50	CES30 = 68	CES55 = 85	CES80 = 88
CES06 = 51	CES31 = 71	CES56 = 78	CES81 = 78
CES07 = 42	CES32 = 70	CES57 = 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	

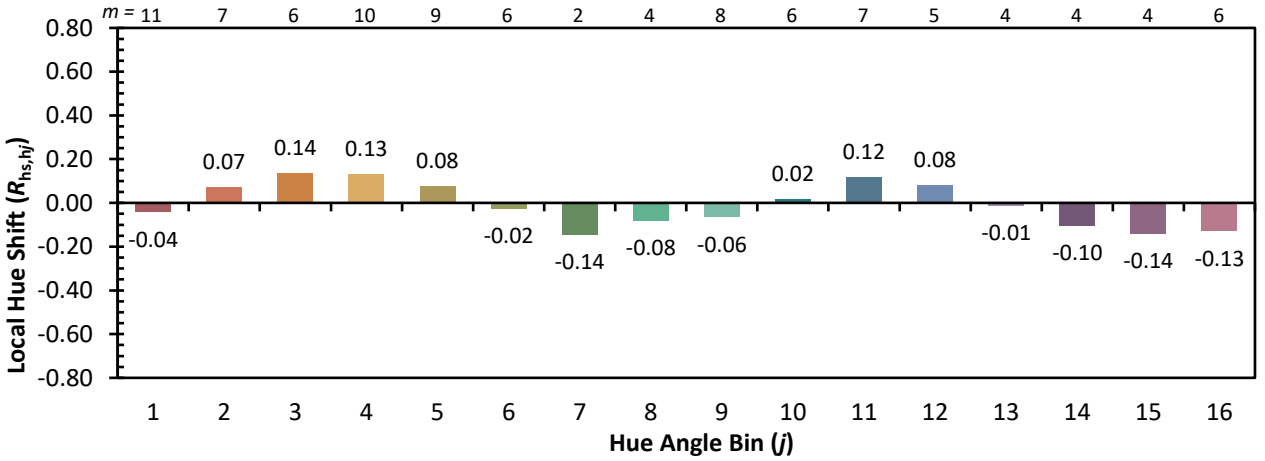


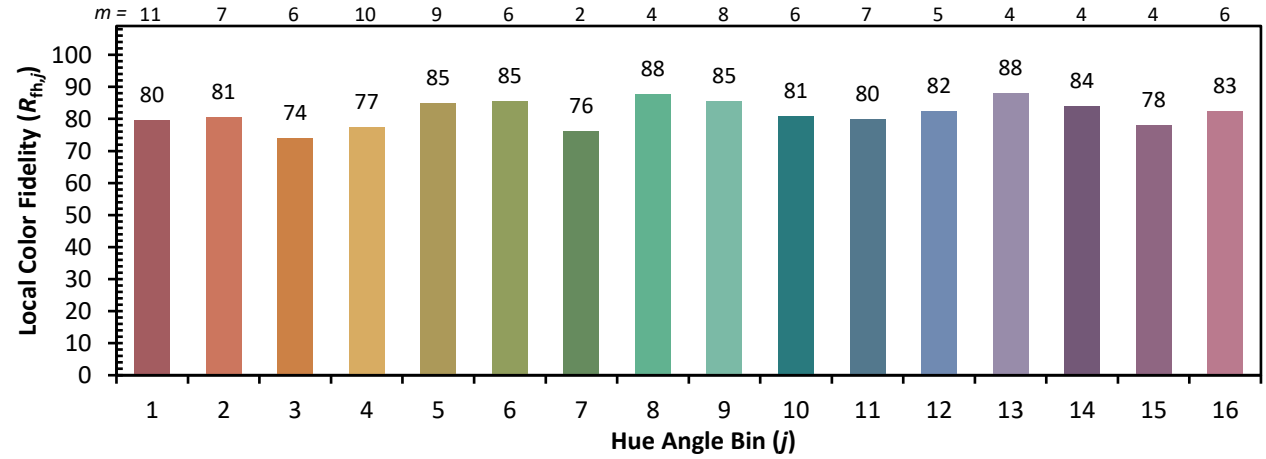
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Color Rendition by Hue-Angle Bin



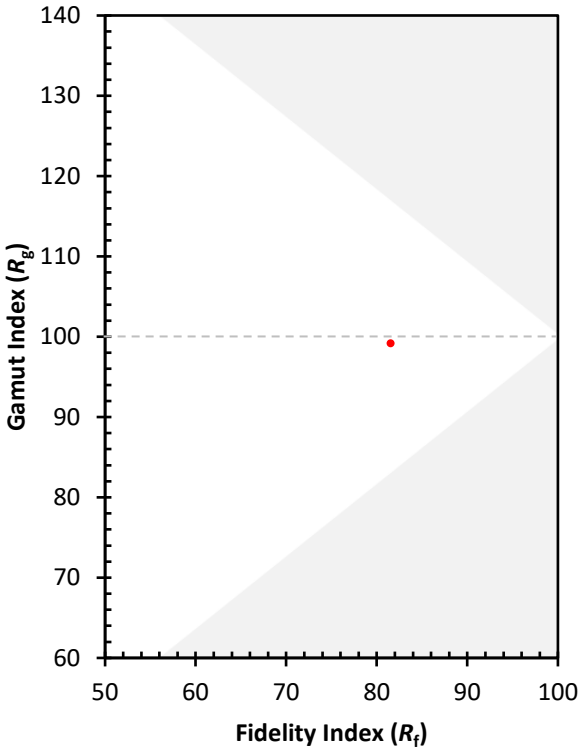


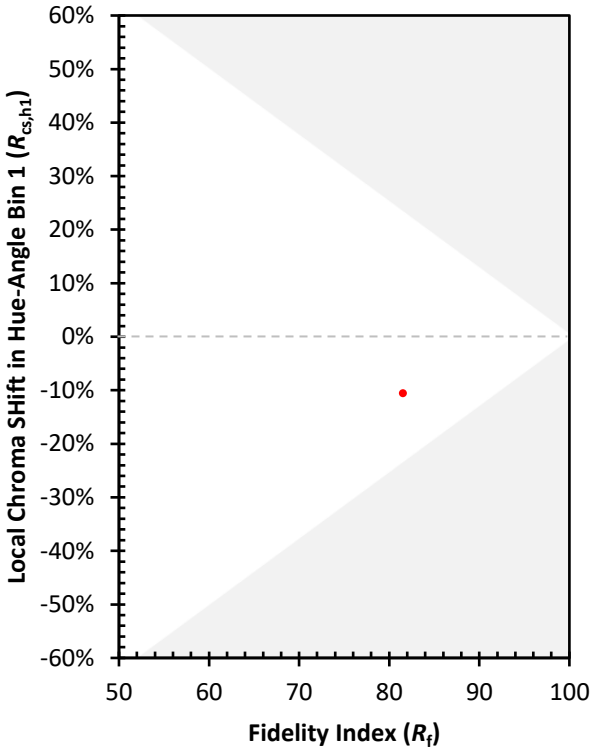


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Measure Comparisons





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