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: P1201248

Luminaire Tested: GWC-SB1A-830-U-T2-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:	P1201248
	TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-4)
Test Lab:	INNOVATION CENTER
Issue Date:	3/14/2026
Manufacturer:	COOPER LIGHTING SOLUTIONS
Product Line:	McGRAW-EDISON
Catalog Number:	GWC-SB1A-830-U-T2-HSS
Description:	GALLEON WALL LUMINAIRE
	(1) 80 CRI, 3000K, 350mA LIGHTSQUARE WITH 26 LEDS AND TYPE II OPTICS WITH HOUSE SIDE SHIELD
Light Source:	-
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	2959 lumens
Efficiency:	N/A
Efficacy:	95.8 lumens/watt
Luminous Opening:	Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification:	Type II - Medium
BUG Rating:	B1 - U0 - G1

Input Watts (W):	30.9
Input Voltage (V):	120.0
Input Current (Ain):	0.263
Voltage Rise (V):	NR
Power Factor:	0.995
Total Harmonic Distortion (THDi):	6.356
Frequency (hertz):	60
Stabilization Time:	NR
Operation Time:	NR
Ambient Temperature (°C):	NR
Test Distance:	28.75 FT

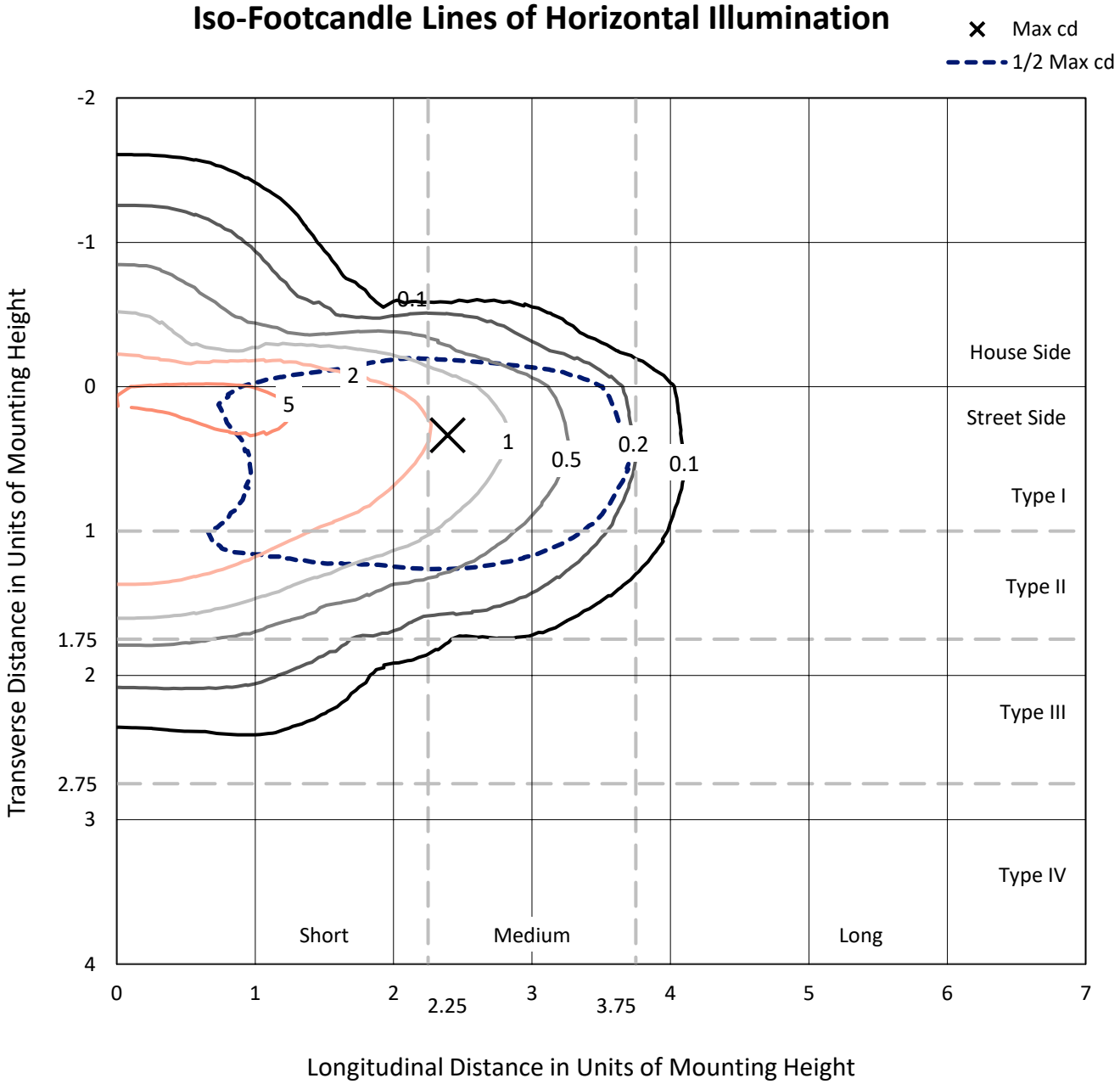


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Scaled Data Report

REPORT NUMBER: P1201248
CATALOG NUMBER: GWC-SB1A-830-U-T2-HSS

Iso-Footcandle Lines of Horizontal Illumination



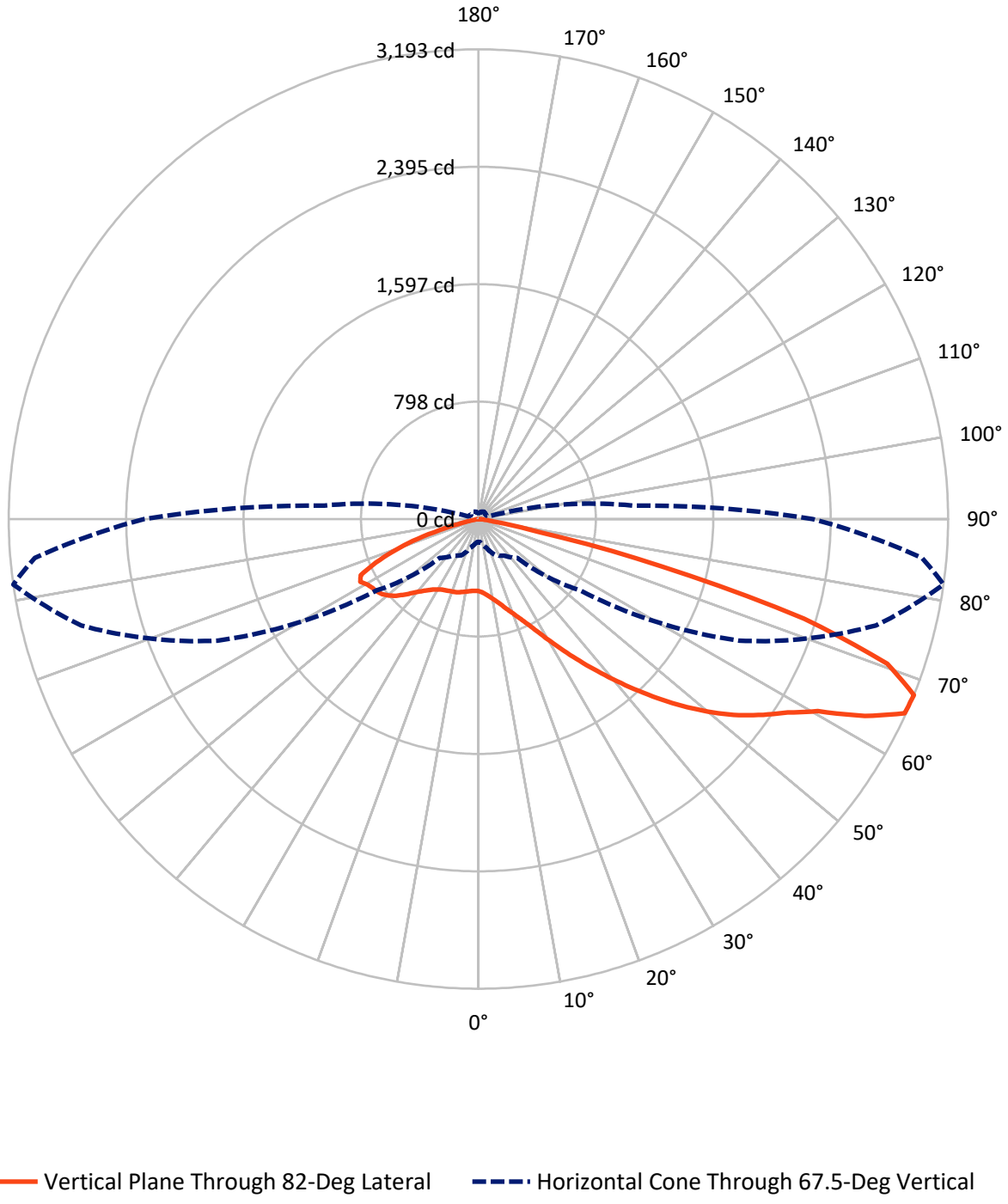
Based on 10 foot mounting height. Maximum calculated value = 6.9 fc
Type II - Medium - N/A

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REPORT NUMBER: P1201248
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Luminous Intensity Polar Plot



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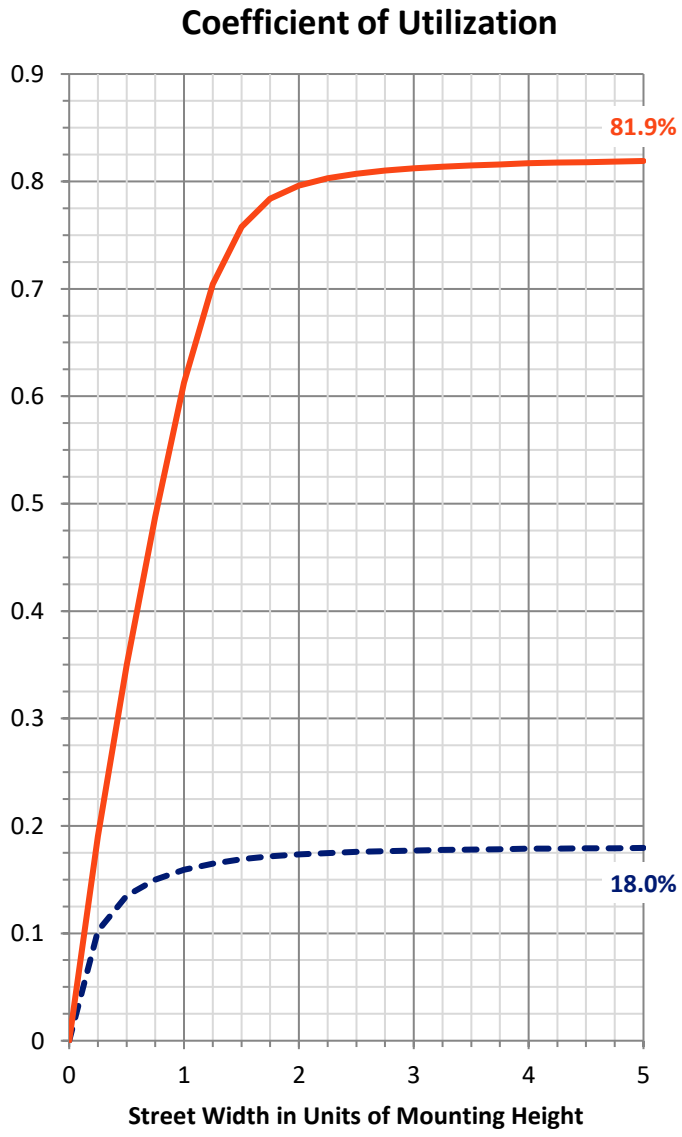
REPORT NUMBER: P1201248
CATALOG NUMBER: GWC-SB1A-830-U-T2-HSS

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	536.0	0.0	536.0
	% Fixture	18.1	0.0	18.1
Street Side	Lumens	2423.0	0.0	2423.0
	% Fixture	81.9	0.0	81.9
Total	Lumens	2959.0	0.0	2959.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	43.7	1.5
10°-20°	113.5	3.8
20°-30°	181.8	6.1
30°-40°	321.4	10.9
40°-50°	563.2	19.0
50°-60°	751.1	25.4
60°-70°	699.3	23.6
70°-80°	268.4	9.1
80°-90°	16.7	0.6
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°	2959.0	100.0
0°-180°	2959.0	100.0



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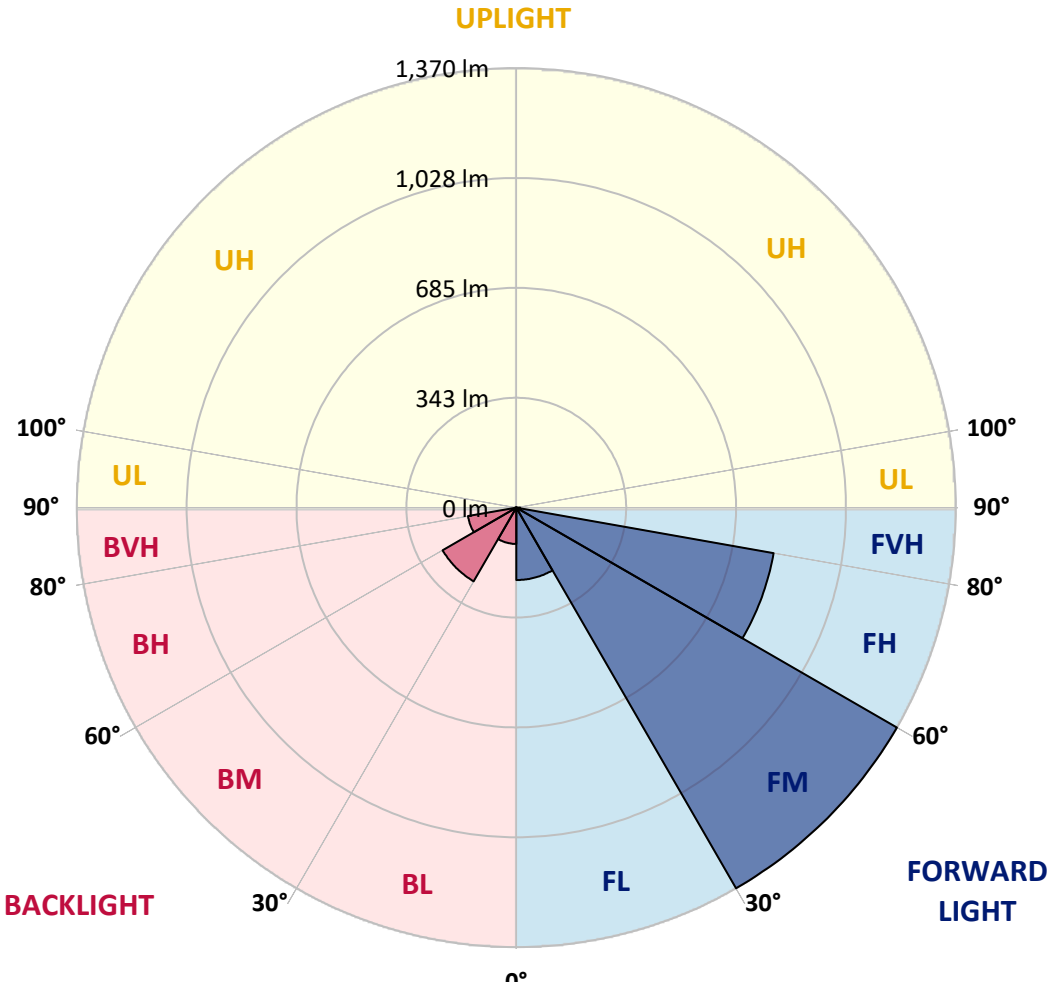
Scaled Data Report

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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°)	225.7	7.6			
FM	(30°-60°)	1370.5	46.3			
FH	(60°-80°)	814.7	27.5			G1/1800
FVH	(80°-90°)	12.1	0.4			G1/100
BL	(0°-30°)	113.2	3.8	B1/500		
BM	(30°-60°)	265.3	9.0	B1/1000		
BH	(60°-80°)	153.0	5.2	B1/500		G1/500
BVH	(80°-90°)	4.5	0.2			G0/10
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 Medium



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REPORT NUMBER: P1201248
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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	82°	85°
0°	490.2	490.2	490.2	490.2	490.2	490.2	490.2	490.2	490.2	*490.2*	490.2
2.5°	518.1	521.1	519.4	518.5	517.0	514.9	513.2	507.9	502.3	*498.7*	497.4
5°	528.6	531.5	531.3	532.2	533.2	533.9	533.5	527.5	519.6	*513.4*	509.8
7.5°	519.6	523.0	525.8	530.0	537.5	545.4	549.2	547.9	539.8	*531.3*	526.8
10°	494.3	497.9	504.5	514.5	530.3	547.3	561.6	568.2	563.1	*553.7*	547.5
12.5°	447.8	451.4	464.4	486.2	512.6	542.2	569.5	587.1	588.4	*579.0*	571.8
15°	395.6	399.2	413.1	440.4	480.6	528.1	573.7	607.2	618.5	*610.4*	601.6
17.5°	363.2	366.4	376.9	398.8	440.8	500.0	572.2	628.5	654.2	*647.9*	637.4
20°	353.4	356.2	361.1	376.4	411.4	470.8	562.4	648.5	692.8	*689.2*	677.5
22.5°	363.9	366.4	367.9	374.7	396.7	451.6	550.1	668.9	737.5	*738.0*	723.7
25°	387.9	390.5	388.8	393.1	402.6	445.7	545.4	693.0	793.8	*798.5*	782.3
27.5°	427.6	427.8	423.7	423.5	425.0	454.6	550.3	718.8	864.7	*873.5*	853.4
30°	507.0	503.8	488.3	471.5	463.8	481.5	563.9	749.3	948.5	*964.0*	938.9
32.5°	629.5	624.8	596.3	556.0	515.6	524.7	588.4	784.0	1039.6	*1067.8*	1037.1
35°	762.5	761.2	731.4	671.5	600.8	586.3	628.3	829.6	1139.1	*1183.9*	1147.4
37.5°	886.0	885.4	868.4	797.8	711.8	672.1	692.2	889.2	1245.6	*1310.4*	1267.4
40°	998.9	1000.9	983.8	920.8	834.1	782.3	779.1	962.9	1364.1	*1448.2*	1397.1
42.5°	1096.5	1098.6	1081.4	1034.7	954.8	904.1	885.8	1053.3	1479.8	*1596.3*	1535.8
45°	1162.8	1176.0	1173.4	1136.1	1078.8	1026.2	1014.1	1166.6	1611.7	*1753.3*	1682.4
47.5°	1181.5	1193.7	1212.8	1218.0	1183.0	1131.2	1145.7	1303.2	1745.0	*1910.5*	1829.8
50°	1135.3	1146.6	1186.4	1239.5	1263.8	1247.8	1273.8	1449.5	1881.6	*2067.3*	1974.5
52.5°	1044.1	1055.6	1105.9	1189.8	1288.9	1339.2	1402.2	1593.8	2013.9	*2215.8*	2111.4
55°	912.2	924.4	988.9	1084.0	1241.0	1376.9	1509.4	1737.8	2135.1	*2349.4*	2235.0
57.5°	732.9	741.8	808.9	941.9	1120.4	1339.4	1588.4	1895.0	2249.3	*2480.6*	2357.5
60°	477.6	485.5	563.5	711.8	920.5	1214.1	1604.2	2070.3	2401.0	*2651.3*	2522.6
62.5°	317.6	323.0	369.2	478.1	648.3	973.6	1511.9	2210.3	2623.4	*2948.3*	2805.7
65°	217.9	223.3	269.5	345.3	418.8	644.0	1246.7	2191.8	2824.9	*3184.1*	3015.6
67.5°	*155.5*	*160.0*	*199.2*	*270.8*	*303.2*	*374.1*	*845.1*	*1954.9*	*2795.9*	*3193.1*	*3026.9*
70°	111.4	114.0	146.4	210.9	240.9	224.8	470.0	1495.1	2448.0	*2948.5*	2796.4
72.5°	78.0	78.8	101.6	160.6	194.1	164.0	223.7	996.8	1851.5	*2314.3*	2167.9
75°	52.8	53.9	68.4	117.8	155.7	125.3	118.5	534.5	1086.9	*1281.0*	1148.3
77.5°	32.4	32.8	44.1	80.5	116.5	95.4	76.3	226.5	420.5	*412.9*	351.9
80°	18.3	18.3	28.1	50.1	79.5	61.6	53.5	96.3	133.2	*117.0*	103.1
82.5°	10.2	10.4	20.5	31.1	52.6	36.4	29.4	44.5	57.5	*50.9*	44.3
85°	4.3	4.7	12.6	14.7	25.1	18.1	11.9	18.7	21.3	*19.0*	13.8
87.5°	0.4	0.6	3.8	2.8	3.0	3.6	1.7	3.6	3.0	*3.0*	2.1
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: P1201248
CATALOG NUMBER: GWC-SB1A-830-U-T2-HSS

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	490.2	490.2	490.2	490.2	490.2	490.2	490.2	490.2	490.2	490.2	490.2
2.5°	493.4	490.2	482.1	472.7	460.4	454.4	446.3	440.8	436.1	436.5	432.3
5°	503.0	494.9	476.8	454.2	426.1	406.1	384.8	370.1	358.1	355.6	349.8
7.5°	516.2	503.4	471.7	431.0	383.5	347.5	315.3	294.6	279.9	275.2	270.6
10°	533.2	514.7	465.1	401.8	333.4	287.6	253.1	236.9	226.9	223.5	220.9
12.5°	553.1	527.7	456.3	366.2	281.9	237.8	215.8	207.7	204.5	203.5	202.8
15°	578.0	543.9	443.1	324.0	238.2	207.3	197.9	196.8	197.3	196.8	196.6
17.5°	607.6	561.6	421.6	280.6	208.8	191.7	188.3	189.2	190.2	190.0	189.6
20°	640.0	579.0	394.1	242.0	188.8	180.7	178.7	179.6	180.4	180.0	179.8
22.5°	676.8	597.8	363.7	212.0	175.3	170.4	168.3	168.5	168.5	167.7	167.2
25°	720.9	618.5	331.7	190.7	165.1	161.3	158.7	157.9	156.6	154.0	153.6
27.5°	773.6	640.4	301.0	175.8	157.0	153.4	150.4	148.3	145.1	140.8	140.4
30°	832.8	667.0	275.0	166.4	150.6	147.0	143.6	140.4	135.7	130.4	130.0
32.5°	902.4	695.6	256.1	160.2	144.9	141.0	137.0	133.2	128.0	122.7	122.9
35°	985.5	730.1	245.0	155.9	140.4	135.3	130.8	126.5	122.7	118.0	117.6
37.5°	1075.6	766.7	241.6	153.8	137.4	129.5	124.4	121.4	121.0	118.2	118.0
40°	1174.3	810.2	244.1	152.5	134.2	124.0	118.5	117.8	118.9	114.0	114.2
42.5°	1278.7	861.7	248.4	151.0	129.7	118.5	113.1	113.1	112.3	105.5	105.5
45°	1391.6	921.2	252.7	147.4	124.4	112.9	108.9	107.4	103.8	97.1	96.9
47.5°	1505.3	981.7	255.9	140.8	118.0	108.2	104.6	101.2	95.9	89.9	89.7
50°	1613.4	1036.0	252.5	131.0	110.8	103.8	99.9	95.2	89.5	85.4	84.8
52.5°	1709.9	1083.1	238.0	119.5	103.1	99.1	95.7	90.8	86.1	81.8	81.4
55°	1793.8	1121.2	212.4	108.7	96.3	95.0	91.6	85.4	79.0	75.4	75.0
57.5°	1874.3	1150.2	180.4	99.7	90.1	90.5	85.4	79.9	73.9	70.1	69.7
60°	1981.5	1189.0	148.1	91.4	83.5	84.8	79.3	75.2	67.7	62.8	62.2
62.5°	2152.8	1249.3	117.6	81.2	75.8	76.3	73.9	69.0	60.1	54.3	53.9
65°	2288.7	1227.1	92.7	70.1	67.1	67.7	67.7	62.4	52.8	46.2	45.6
67.5°	*2273.4*	*1050.7*	*73.9*	*59.2*	*58.8*	*59.2*	*60.7*	*56.2*	*46.9*	*41.5*	*40.7*
70°	2094.2	835.8	59.2	49.2	51.1	50.1	54.3	51.3	42.2	36.9	36.2
72.5°	1708.8	602.1	45.2	40.7	39.2	40.9	49.0	46.2	35.2	29.2	28.5
75°	998.5	321.3	33.7	32.2	28.3	34.1	43.5	39.4	26.8	21.5	20.9
77.5°	325.1	112.1	24.7	23.6	21.1	27.5	37.1	33.2	21.9	17.0	16.4
80°	87.1	33.9	16.8	15.6	13.6	20.5	29.4	26.4	15.8	11.1	10.9
82.5°	34.9	14.3	9.8	8.7	7.5	14.1	23.2	21.3	11.7	7.0	7.0
85°	11.3	4.7	3.6	2.8	3.4	8.7	13.8	14.5	8.3	3.6	2.8
87.5°	1.5	0.6	0.6	0.9	0.6	1.5	4.3	4.0	2.3	0.4	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

Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
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

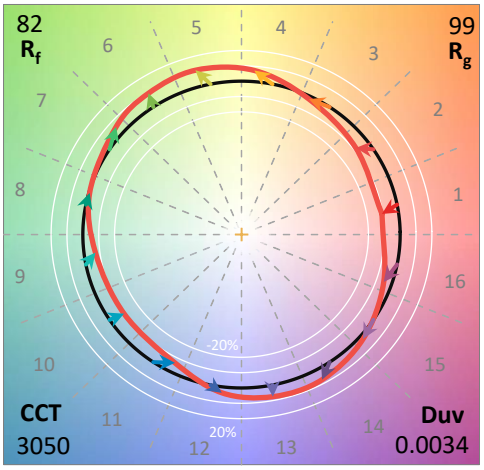
Test Information

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

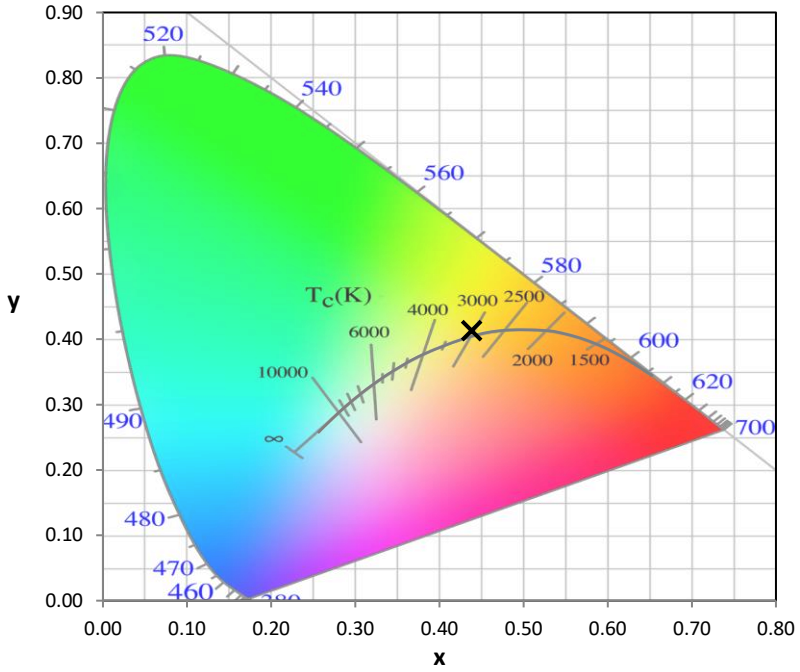
Stabilization Time:	20M
Operation Time:	1H 20M
Sphere Temperature (°C):	24.2

REPORT NUMBER: SP1-2408-195-9

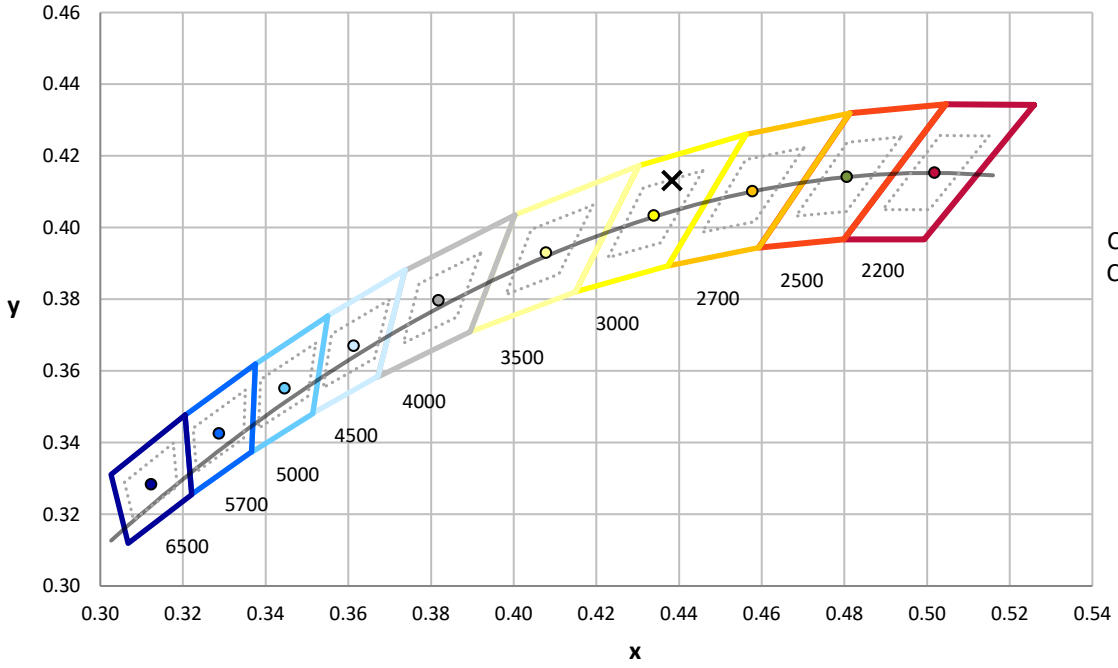
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

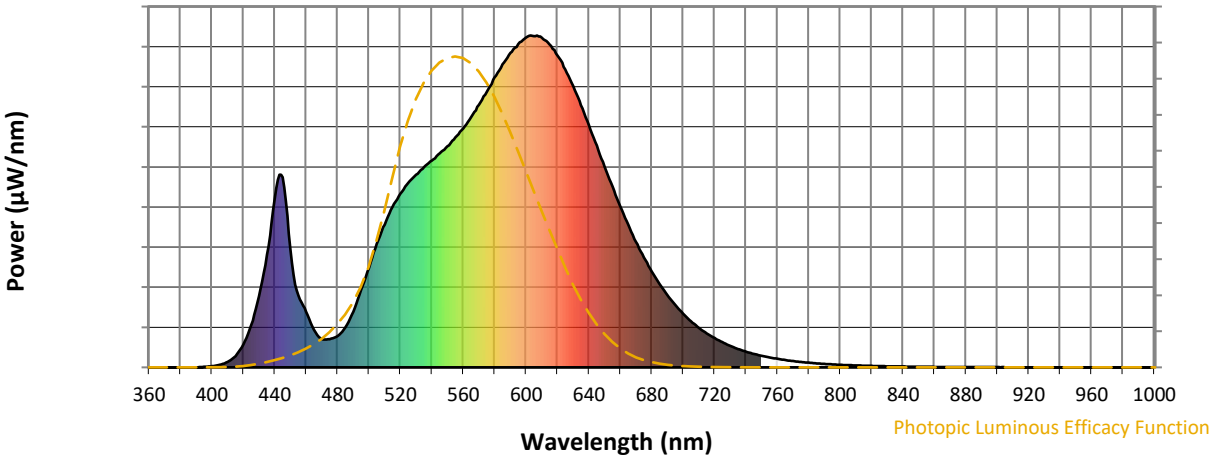


CCT = 3050K
CIE x = 0.4383
CIE y = 0.4131
Duv = 0.0034

Point lies inside the ANSI 3000K 4-step quadrangle

REPORT NUMBER: SP1-2408-195-9

Photopic Flux vs. Wavelength

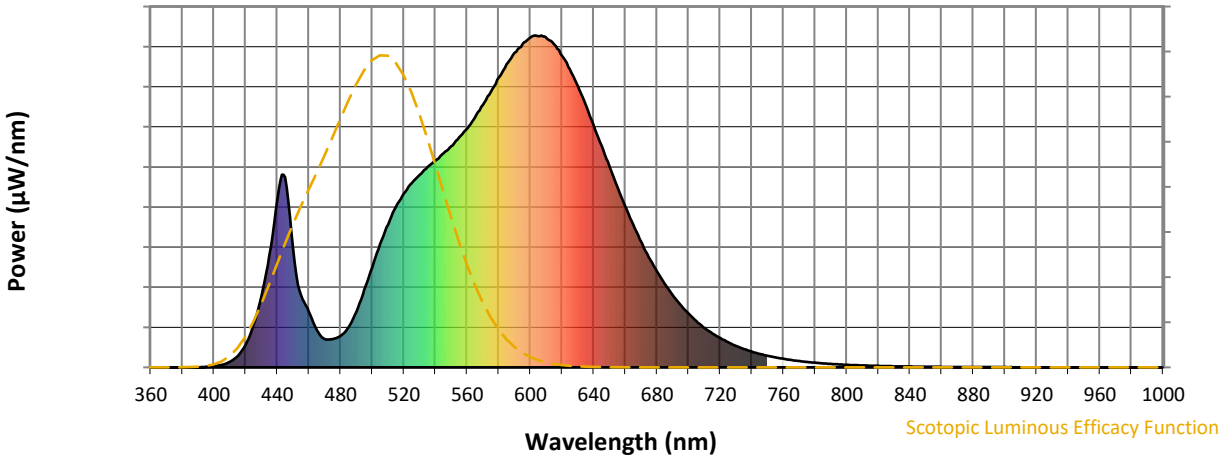


Photopic Lumens: NR

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

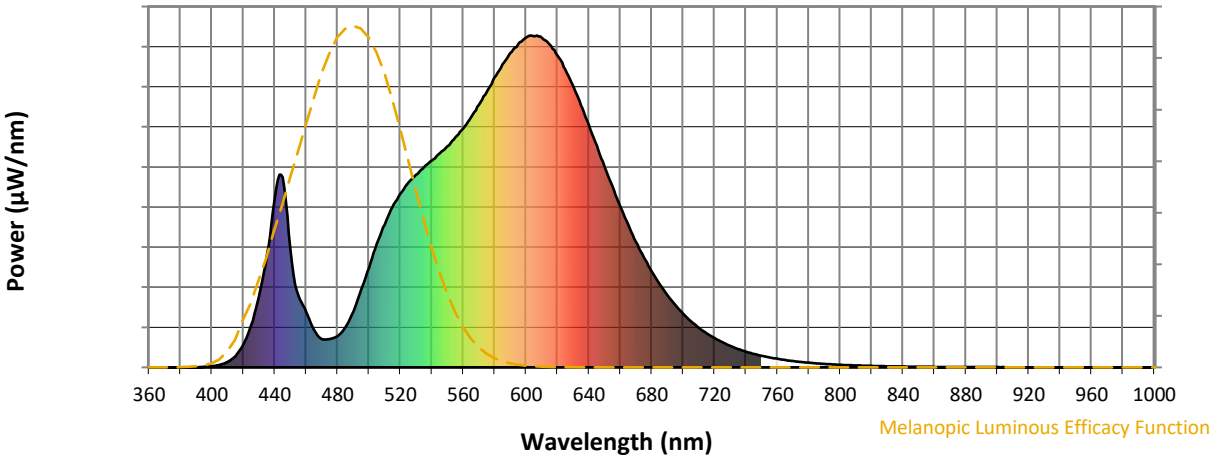


Scotopic Lumens: NR **S/P: 1.27**

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			

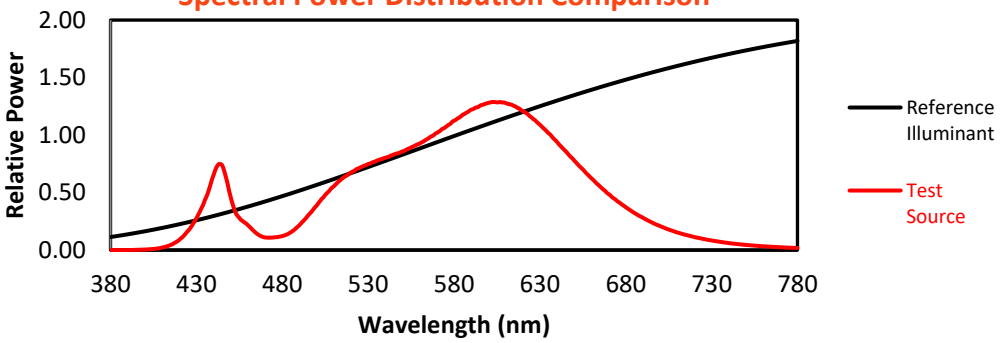
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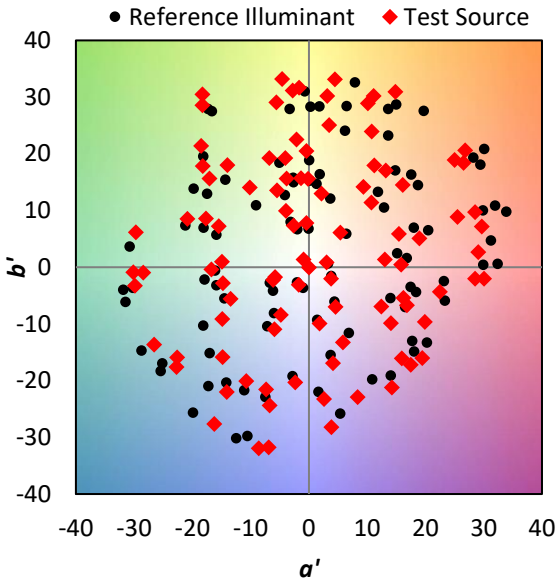
Summary

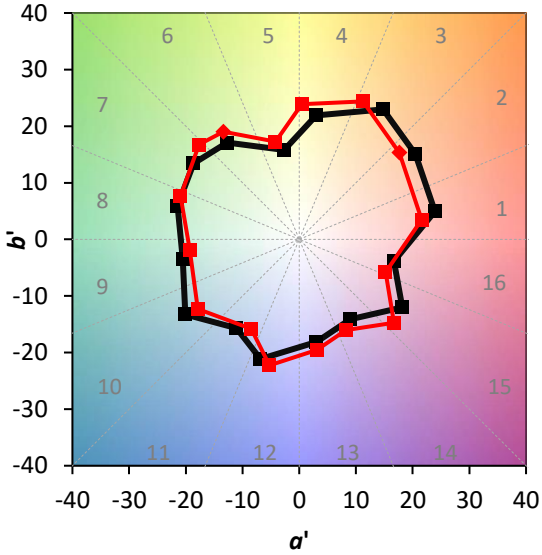
R_f = 81.5
R_g = 99.2
CIE R_a = 81.0
R_9 = 7.1

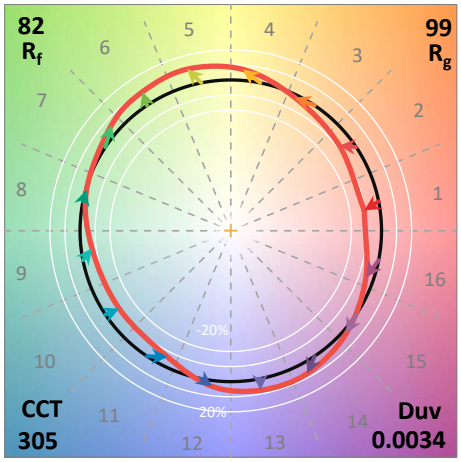
Spectral Power Distribution Comparison

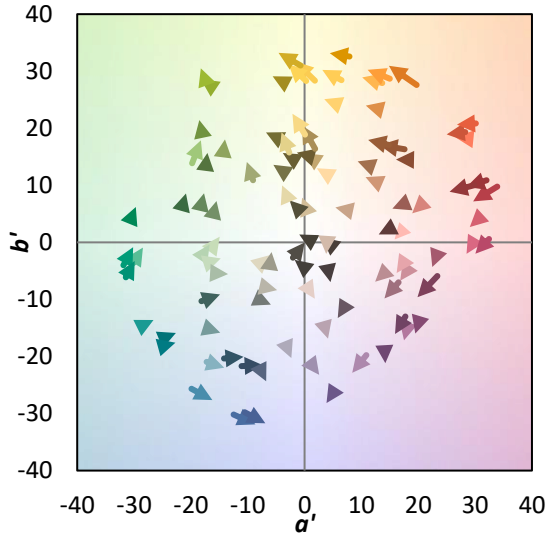


Color Vector Graphics







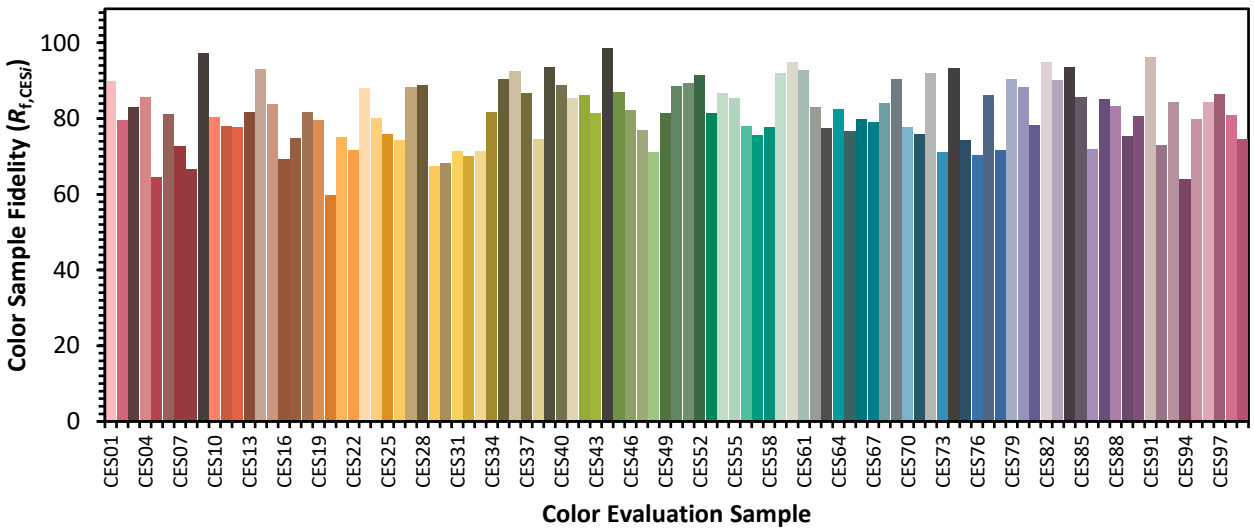


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Individual Sample Fidelity Index ($R_{f,i}$)

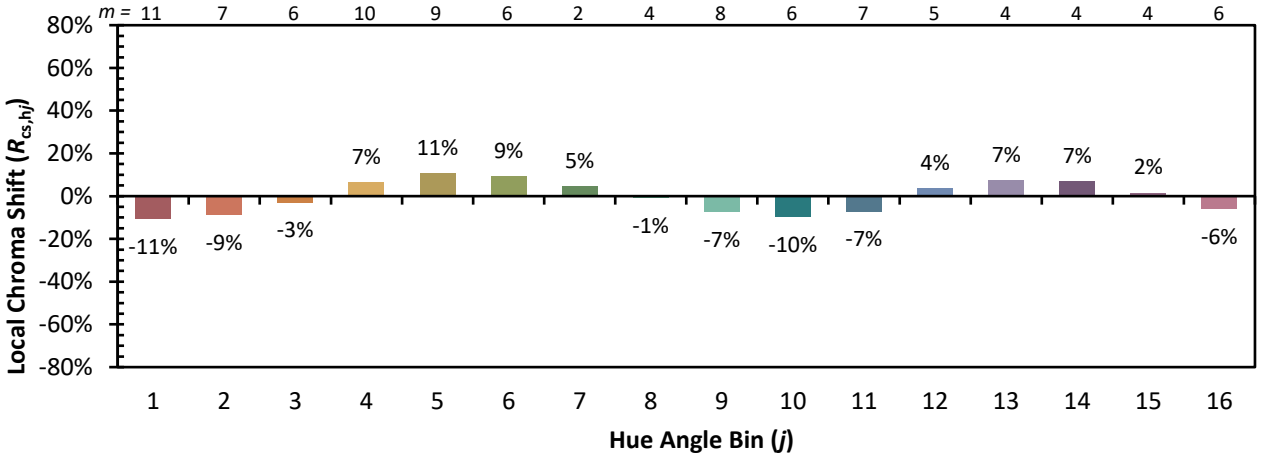
CES01 = 86	CES26 = 74	CES51 = 89	CES76 = 70
CES02 = 63	CES27 = 88	CES52 = 92	CES77 = 86
CES03 = 31	CES28 = 89	CES53 = 81	CES78 = 72
CES04 = 70	CES29 = 67	CES54 = 87	CES79 = 90
CES05 = 50	CES30 = 68	CES55 = 85	CES80 = 88
CES06 = 51	CES31 = 71	CES56 = 78	CES81 = 78
CES07 = 42	CES32 = 70	CES57 = 76	CES82 = 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	

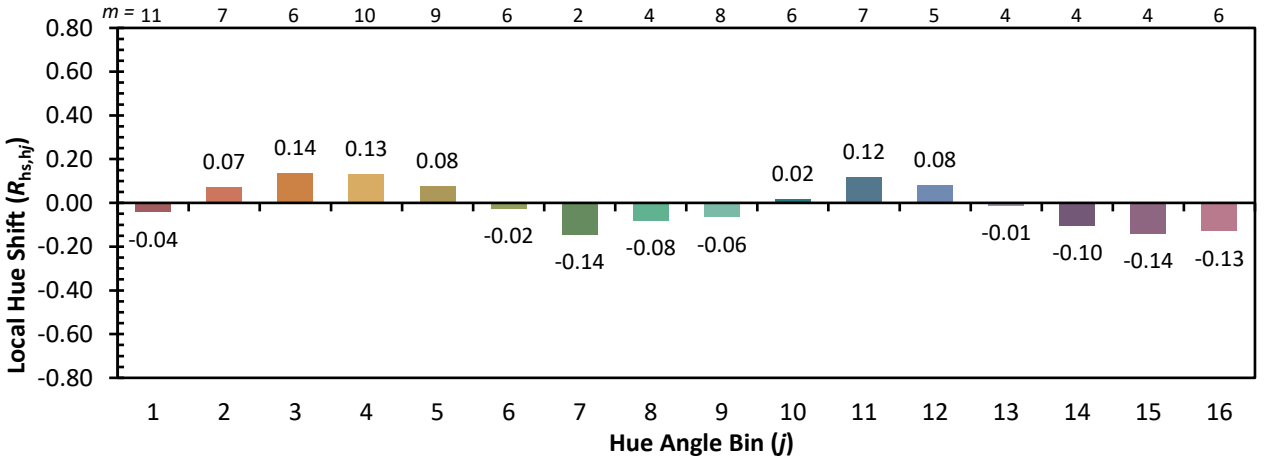


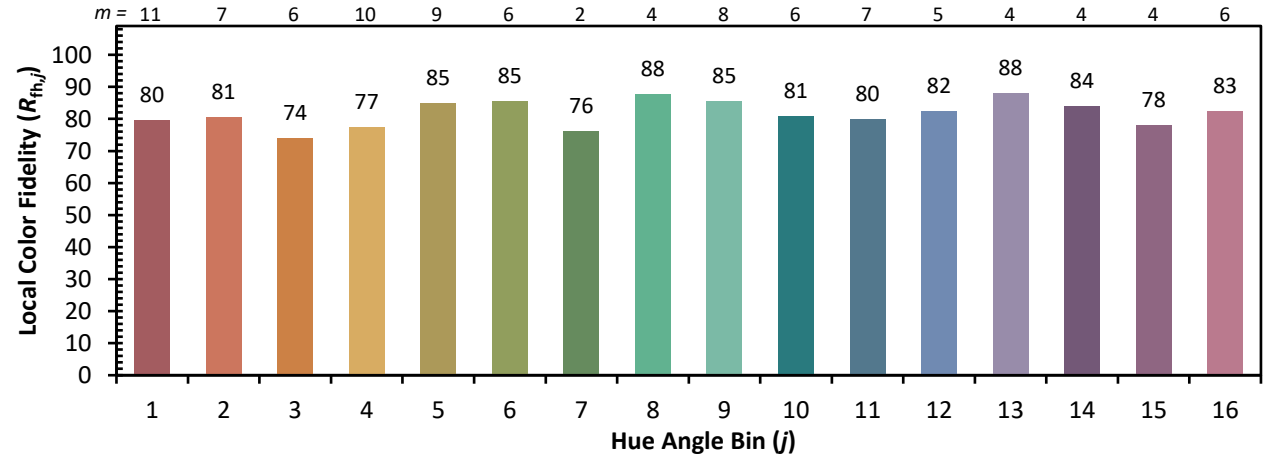
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Color Rendition by Hue-Angle Bin



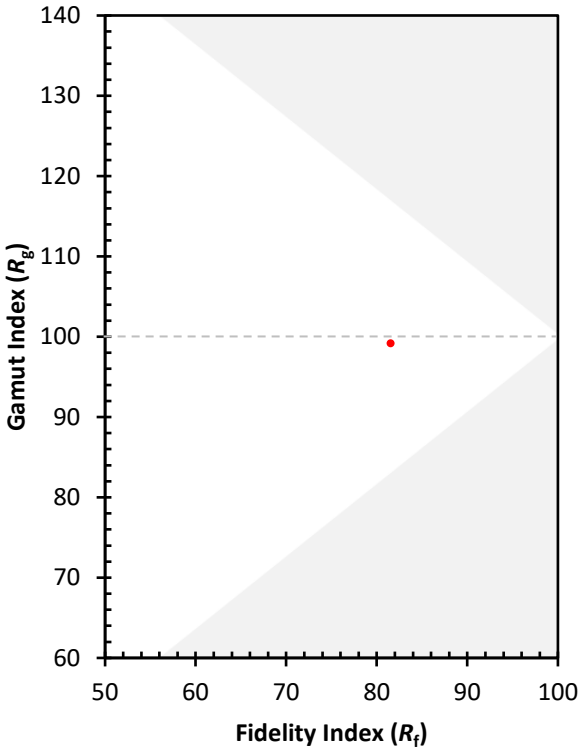


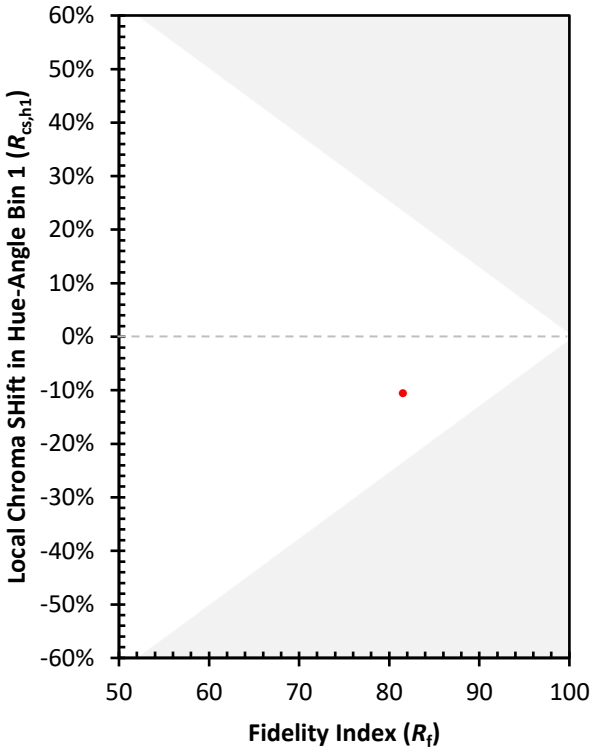


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Measure Comparisons





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