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

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Peachtree City, GA 30269

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: P1201239

Luminaire Tested: GWC-SB1A-830-U-SL2

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:	P1201239
	TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-10)
Test Lab:	INNOVATION CENTER
Issue Date:	3/14/2026
Manufacturer:	COOPER LIGHTING SOLUTIONS
Product Line:	McGRAW-EDISON
Catalog Number:	GWC-SB1A-830-U-SL2
Description:	GALLEON WALL LUMINAIRE
	(1) 80 CRI, 3000K, 350mA LIGHTSQUARE WITH 26 LEDS AND TYPE II SPILL LIGHT ELIMINATOR OPTICS
Light Source:	-
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	4028 lumens
Efficiency:	N/A
Efficacy:	130.4 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

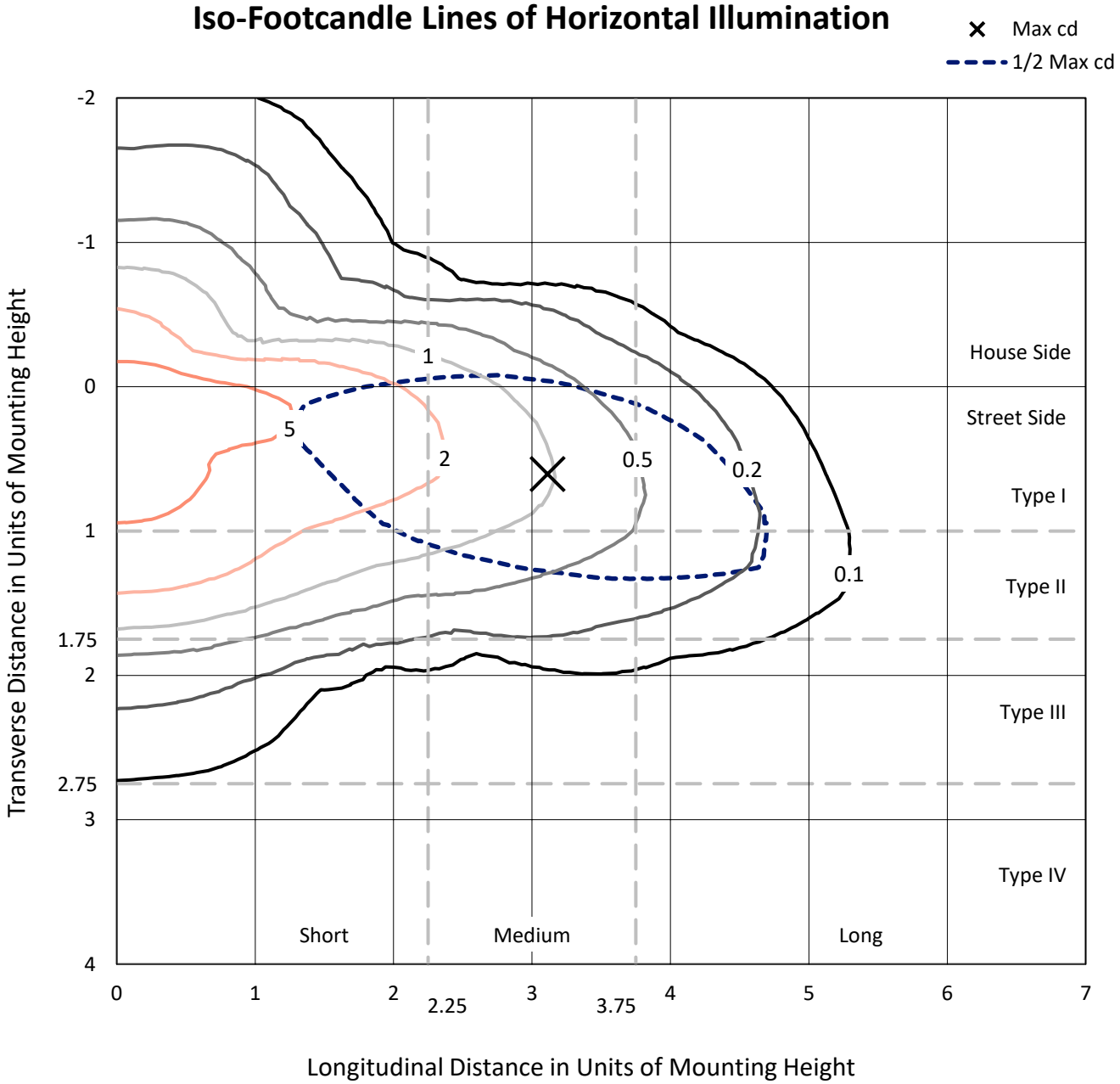


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Scaled Data Report

REPORT NUMBER: P1201239
CATALOG NUMBER: GWC-SB1A-830-U-SL2

Iso-Footcandle Lines of Horizontal Illumination



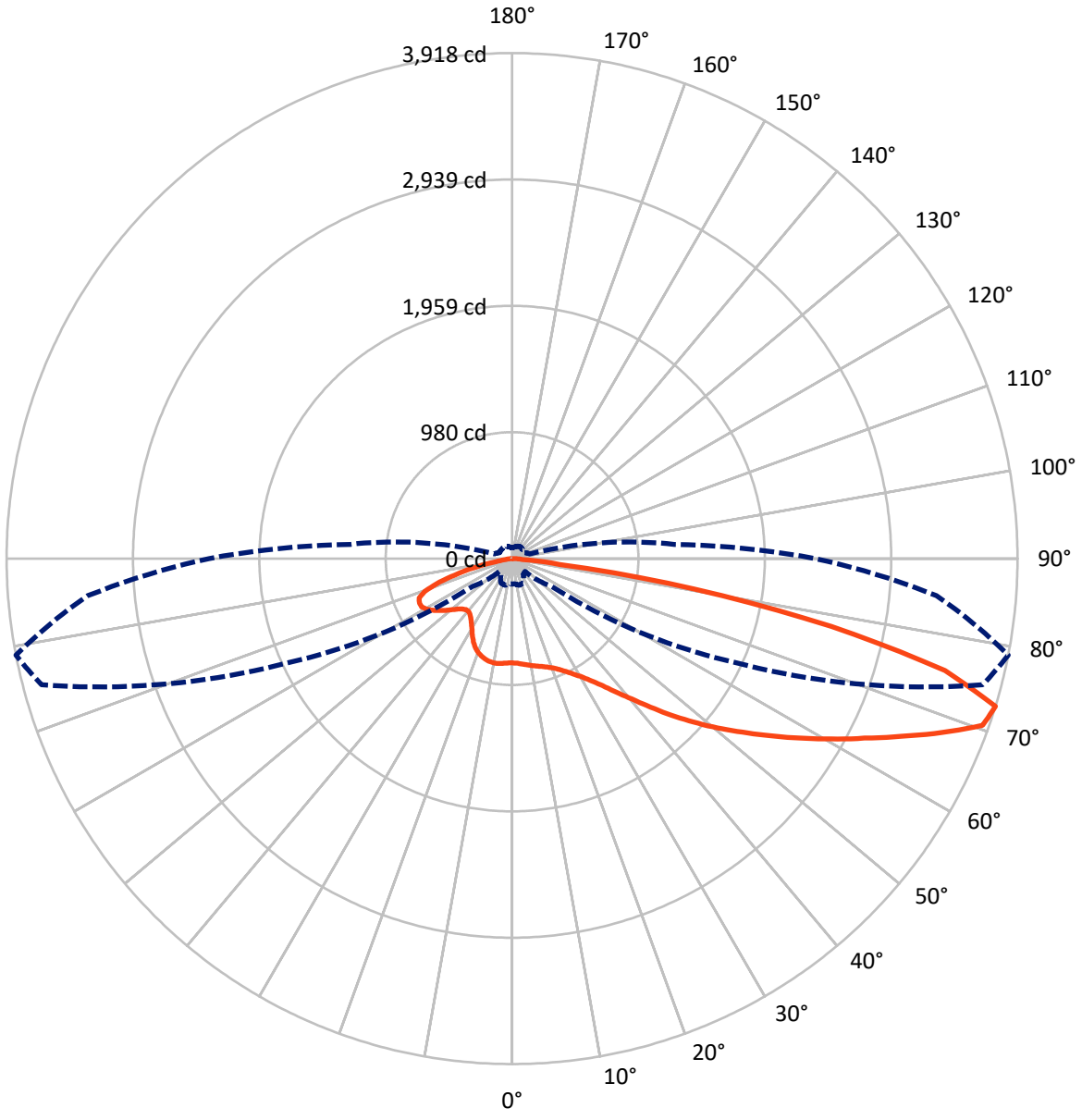
Based on 10 foot mounting height. Maximum calculated value = 7.5 fc
Type II - Medium - N/A

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REPORT NUMBER: P1201239
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Luminous Intensity Polar Plot



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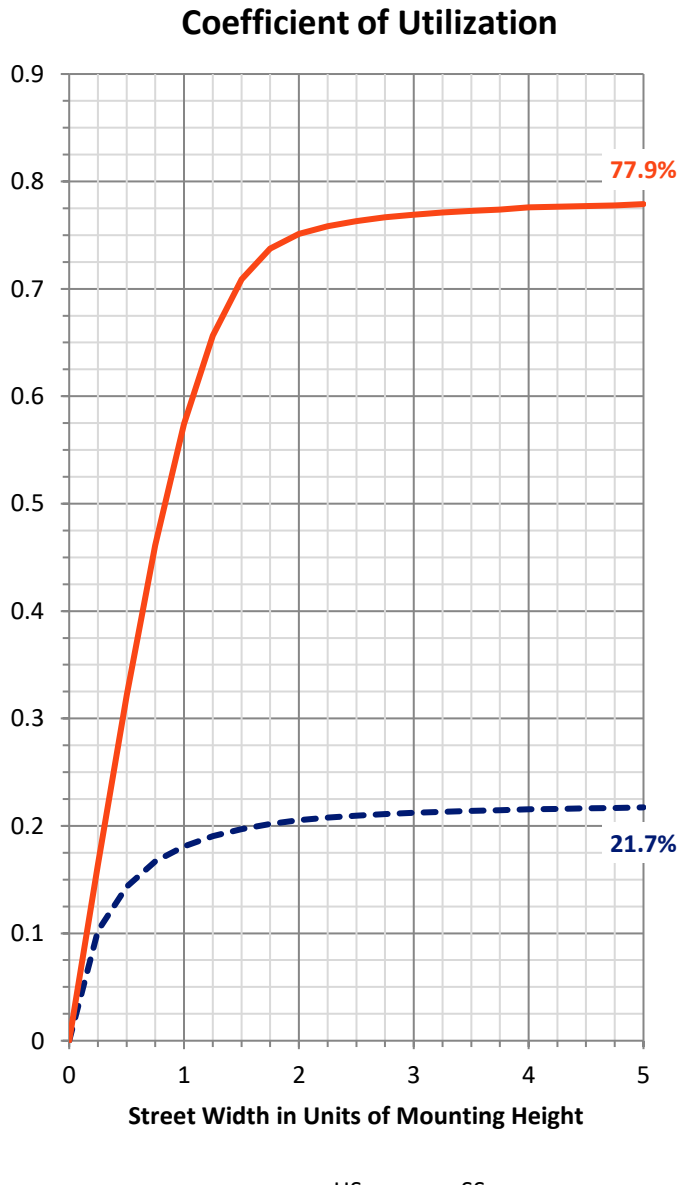
REPORT NUMBER: P1201239
CATALOG NUMBER: GWC-SB1A-830-U-SL2

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	886.4	0.0	886.4
	% Fixture	22.0	0.0	22.0
Street Side	Lumens	3141.6	0.0	3141.6
	% Fixture	78.0	0.0	78.0
Total	Lumens	4028.0	0.0	4028.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	73.4	1.8
10°-20°	191.9	4.8
20°-30°	309.6	7.7
30°-40°	464.7	11.5
40°-50°	659.2	16.4
50°-60°	832.5	20.7
60°-70°	845.5	21.0
70°-80°	576.3	14.3
80°-90°	74.8	1.9
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°	4028.0	100.0
0°-180°	4028.0	100.0



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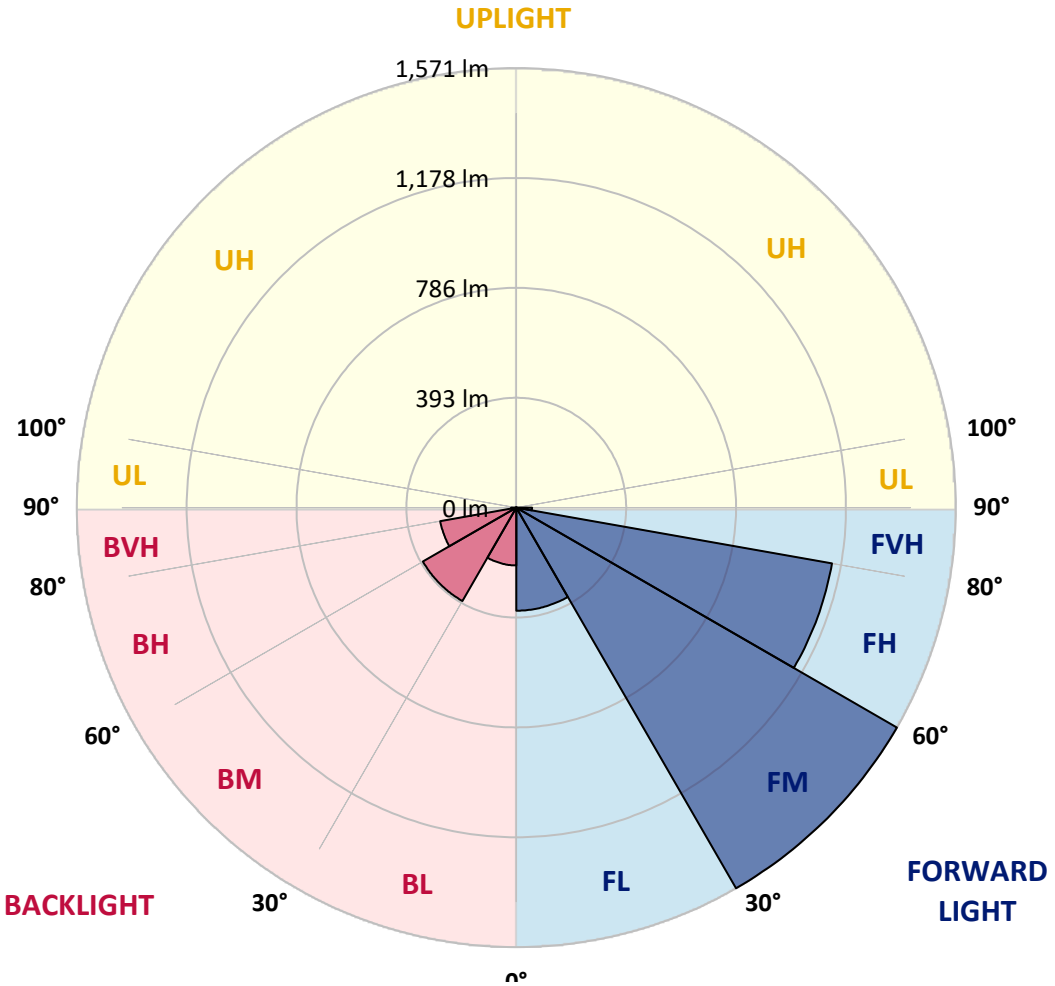
Scaled Data Report

REPORT NUMBER: P1201239
CATALOG NUMBER: GWC-SB1A-830-U-SL2

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	368.5	9.1			
FM	(30°-60°)	1571.0	39.0			
FH	(60°-80°)	1145.8	28.4			G1/1800
FVH	(80°-90°)	56.3	1.4			G1/100
BL	(0°-30°)	206.5	5.1	B1/500		
BM	(30°-60°)	385.5	9.6	B1/1000		
BH	(60°-80°)	276.0	6.9	B1/500		G1/500
BVH	(80°-90°)	18.4	0.5			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 Medium



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Scaled Data Report

REPORT NUMBER: P1201239
CATALOG NUMBER: GWC-SB1A-830-U-SL2

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	79°	85°
0°	808.6	808.6	808.6	808.6	808.6	808.6	808.6	808.6	808.6	*808.6*	808.6
2.5°	809.0	805.2	807.5	806.7	807.7	809.0	809.4	810.1	812.2	*812.0*	811.8
5°	807.3	803.5	806.7	805.6	808.4	811.4	813.9	816.3	819.7	*821.2*	819.0
7.5°	803.7	801.1	804.3	807.5	812.6	817.1	820.7	826.1	831.0	*831.8*	833.3
10°	782.6	780.7	788.1	796.4	810.5	822.6	830.5	836.7	842.0	*842.9*	845.0
12.5°	760.6	758.3	766.6	777.9	800.7	822.6	839.3	847.4	852.0	*854.8*	858.0
15°	757.0	755.1	759.8	769.6	788.6	816.9	845.2	860.1	864.2	*867.4*	868.7
17.5°	774.5	770.9	772.8	776.2	787.3	811.6	849.9	874.6	880.8	*884.2*	884.2
20°	815.0	809.9	806.9	800.1	798.1	812.4	849.5	892.1	900.2	*904.5*	905.5
22.5°	868.9	865.5	859.1	841.8	823.1	822.9	857.6	914.5	929.6	*933.7*	931.1
25°	934.1	929.0	920.9	897.4	861.4	843.5	871.2	943.0	968.4	*969.4*	962.0
27.5°	1009.1	1001.4	990.3	959.4	910.9	875.9	892.1	975.8	1012.9	*1012.5*	997.1
30°	1088.1	1080.5	1068.7	1031.2	970.1	919.6	921.1	1011.2	1065.8	*1063.4*	1037.2
32.5°	1145.9	1140.1	1137.8	1108.8	1038.3	971.2	954.3	1050.4	1131.0	*1128.8*	1092.2
35°	1190.2	1182.7	1185.5	1170.8	1112.6	1028.9	995.0	1097.1	1210.2	*1210.0*	1164.4
37.5°	1234.1	1227.5	1229.8	1220.0	1181.4	1102.2	1044.7	1154.2	1308.4	*1313.1*	1251.8
40°	1274.1	1267.1	1276.5	1267.3	1234.9	1180.2	1101.1	1218.7	1422.2	*1431.2*	1357.4
42.5°	1298.2	1292.7	1308.2	1308.4	1281.4	1246.0	1163.1	1289.9	1553.9	*1573.9*	1487.4
45°	1306.5	1304.6	1328.0	1332.9	1322.5	1284.1	1218.9	1367.5	1695.8	*1731.6*	1635.5
47.5°	1297.6	1293.9	1326.3	1344.4	1352.8	1302.0	1265.2	1451.4	1840.7	*1893.1*	1797.0
50°	1252.4	1245.4	1293.5	1331.7	1361.3	1313.8	1311.8	1548.3	2005.4	*2062.7*	1959.3
52.5°	1171.2	1165.9	1220.7	1286.9	1342.5	1319.5	1364.3	1654.2	2161.8	*2235.9*	2125.8
55°	1067.5	1060.4	1120.7	1207.2	1295.9	1317.6	1416.7	1772.7	2346.3	*2421.5*	2297.7
57.5°	903.0	888.9	965.2	1067.5	1219.8	1315.3	1471.2	1890.5	2533.8	*2623.9*	2481.1
60°	663.1	642.2	735.7	856.9	1071.1	1292.5	1538.8	2022.6	2758.8	*2839.9*	2681.4
62.5°	386.1	373.9	435.1	548.2	807.3	1158.2	1576.7	2176.2	2979.9	*3065.2*	2878.3
65°	299.8	296.4	301.7	310.4	449.4	867.2	1459.7	2326.0	3261.2	*3320.8*	3083.5
67.5°	274.2	271.7	274.0	257.6	228.0	483.0	1154.8	2364.0	3562.5	*3598.7*	3263.1
70°	243.7	240.8	248.4	234.4	179.4	219.7	746.2	2226.3	3802.1	*3870.1*	3399.7
72.5°	*198.6*	*195.2*	*213.1*	*206.7*	*151.1*	*141.0*	*374.8*	*1899.3*	*3777.0*	*3918.1*	*3301.9*
75°	152.6	150.6	171.9	177.3	123.2	111.0	179.8	1411.8	3323.8	*3465.9*	2845.7
77.5°	118.5	117.0	127.8	147.2	99.3	86.1	110.6	895.5	2504.8	*2529.7*	1961.1
80°	88.8	84.6	94.6	114.0	77.3	62.9	75.0	522.2	1583.3	*1435.2*	853.5
82.5°	55.6	53.5	61.8	76.1	54.5	43.3	48.8	288.5	634.5	*373.7*	164.7
85°	31.7	30.9	33.7	43.5	29.6	24.9	27.9	127.4	115.9	*79.7*	49.6
87.5°	12.8	12.4	15.3	19.4	10.9	9.2	9.8	30.7	25.6	*23.7*	16.4
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: P1201239
CATALOG NUMBER: GWC-SB1A-830-U-SL2

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	808.6	808.6	808.6	808.6	808.6	808.6	808.6	808.6	808.6	808.6	808.6
2.5°	810.9	810.9	807.9	803.3	797.9	794.5	789.0	787.5	781.7	780.0	782.8
5°	820.7	819.0	809.9	796.7	778.5	761.9	743.6	732.1	715.9	710.1	714.4
7.5°	833.1	828.4	812.6	783.7	745.7	708.4	669.7	640.3	612.1	602.1	603.4
10°	844.4	837.8	810.9	760.2	694.6	630.0	568.2	525.0	492.2	478.8	481.7
12.5°	855.7	843.5	799.6	721.2	621.9	534.4	468.5	434.9	414.6	398.4	403.8
15°	866.3	849.3	782.2	669.0	542.3	453.4	404.8	378.0	361.8	351.1	353.0
17.5°	878.7	854.2	756.0	602.8	466.4	397.4	357.7	341.5	338.3	337.1	337.9
20°	895.9	858.7	721.4	528.6	410.6	352.6	332.2	330.7	330.5	329.8	332.0
22.5°	914.5	864.0	675.8	461.3	363.1	324.7	321.1	318.1	316.2	316.0	318.3
25°	936.4	865.7	618.7	406.1	322.6	311.5	307.2	302.8	301.5	301.5	302.8
27.5°	957.7	859.9	552.3	358.2	299.8	299.4	293.8	292.3	292.1	292.8	294.5
30°	979.0	849.1	486.2	313.8	286.6	286.6	284.7	285.7	286.6	288.7	290.2
32.5°	1007.8	837.6	431.0	281.0	275.1	272.9	274.9	277.0	277.8	280.6	283.0
35°	1050.0	829.5	387.1	263.1	263.1	260.4	261.4	261.0	259.1	257.8	260.8
37.5°	1105.8	829.0	350.9	254.8	253.1	252.7	252.9	250.1	242.7	233.7	233.9
40°	1172.9	840.5	323.0	249.1	247.8	250.4	249.1	241.6	221.2	205.6	205.2
42.5°	1263.1	873.4	305.1	242.0	245.9	249.1	244.0	218.2	204.3	193.9	193.5
45°	1369.2	926.6	295.9	234.6	242.3	246.1	221.4	210.1	199.0	186.4	185.6
47.5°	1489.3	993.7	293.8	227.6	234.2	236.5	211.8	206.7	194.1	180.5	179.4
50°	1620.1	1073.2	299.6	219.2	222.4	214.3	208.6	203.9	190.9	177.5	176.0
52.5°	1755.4	1160.8	311.1	208.0	210.7	201.8	207.3	203.3	189.0	170.9	169.6
55°	1888.4	1249.0	322.2	194.7	198.8	190.5	203.7	200.7	180.3	159.8	158.7
57.5°	2023.5	1336.8	333.0	183.0	187.3	179.6	197.9	193.9	170.5	149.6	149.1
60°	2163.9	1422.0	338.1	171.7	174.7	169.6	189.2	182.2	159.4	139.1	138.5
62.5°	2295.4	1492.9	329.8	160.4	162.4	160.2	177.7	168.3	148.3	127.4	127.2
65°	2427.2	1535.1	304.3	149.4	149.8	148.7	161.5	153.4	135.3	117.2	115.9
67.5°	2546.8	1558.8	263.6	137.4	136.4	135.9	146.4	137.2	122.7	107.0	105.7
70°	2572.1	1498.7	201.3	123.4	123.4	122.3	129.8	120.4	108.9	96.1	95.7
72.5°	*2349.3*	*1260.7*	*143.0*	*107.4*	*109.1*	*107.0*	*113.1*	*105.3*	*94.8*	*86.3*	*83.7*
75°	1894.4	924.5	104.0	91.0	94.0	90.3	96.1	90.6	81.6	81.4	73.3
77.5°	1301.6	571.7	75.4	75.0	77.1	72.4	79.0	76.1	68.0	64.3	60.3
80°	555.5	228.0	55.0	58.0	58.0	53.7	61.4	62.2	55.2	53.5	53.5
82.5°	110.6	64.8	38.6	39.8	37.5	36.2	43.5	48.2	66.5	73.9	74.1
85°	33.2	23.9	23.2	21.7	19.2	19.4	25.6	48.4	59.7	34.1	29.4
87.5°	9.2	6.0	6.2	4.9	4.0	5.3	8.7	36.6	20.0	8.5	7.2
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

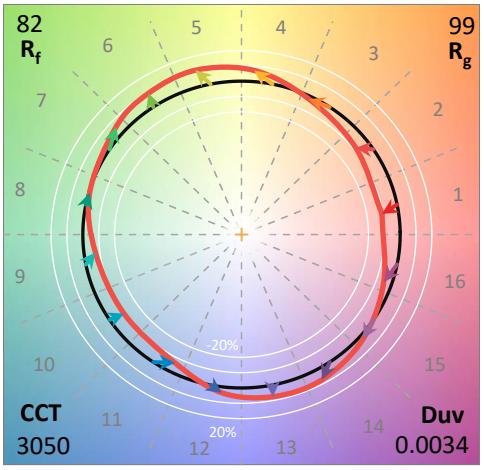
Test Information

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

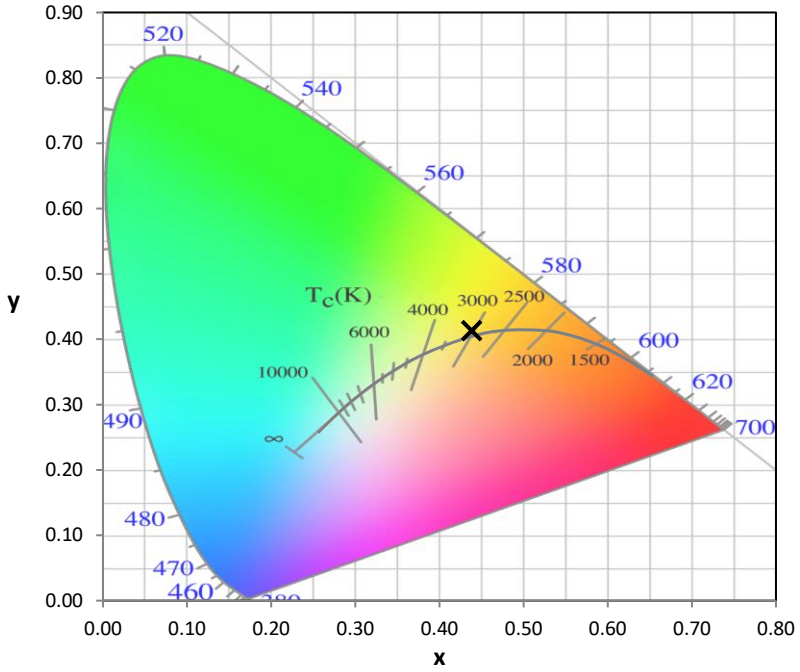
Stabilization Time:	20M
Operation Time:	1H 20M
Sphere Temperature (°C):	24.2

REPORT NUMBER: SP1-2408-195-9

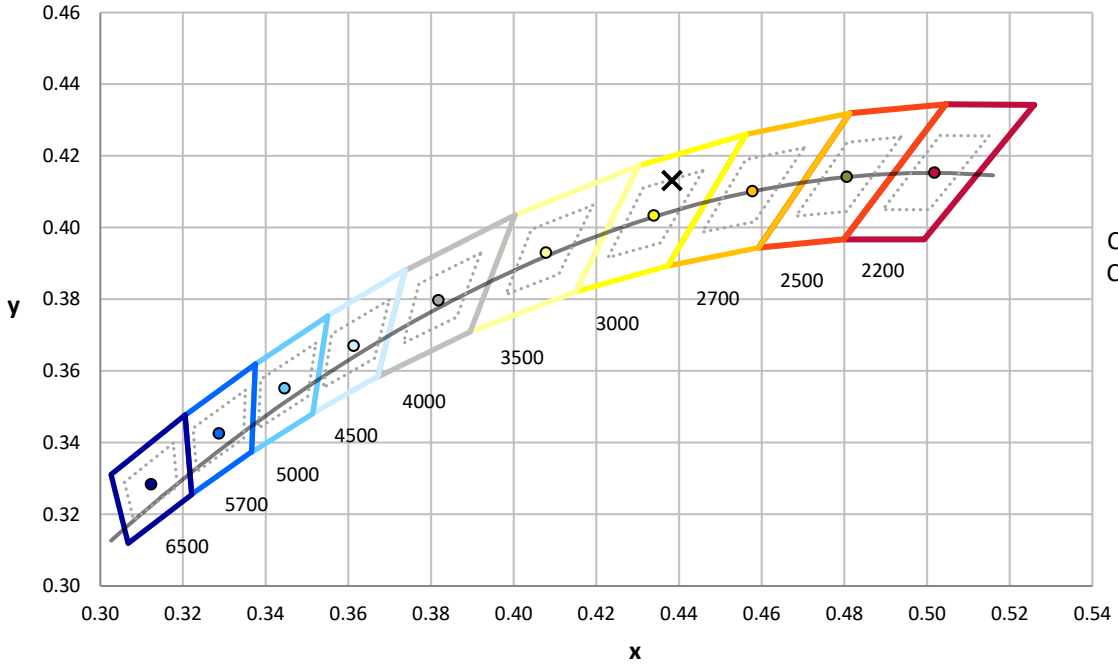
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

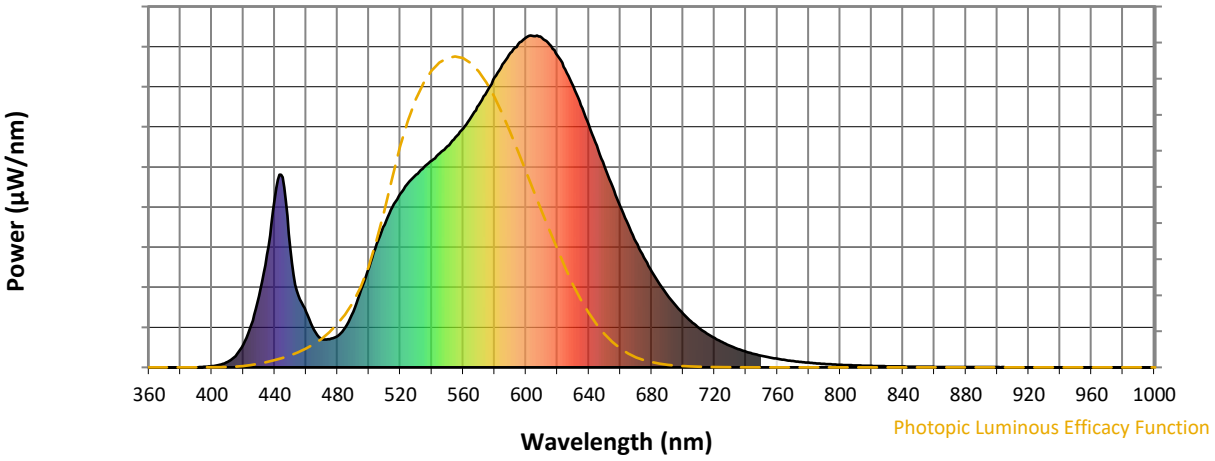


CCT = 3050K
CIE x = 0.4383
CIE y = 0.4131
Duv = 0.0034

Point lies inside the ANSI 3000K 4-step quadrangle

REPORT NUMBER: SP1-2408-195-9

Photopic Flux vs. Wavelength

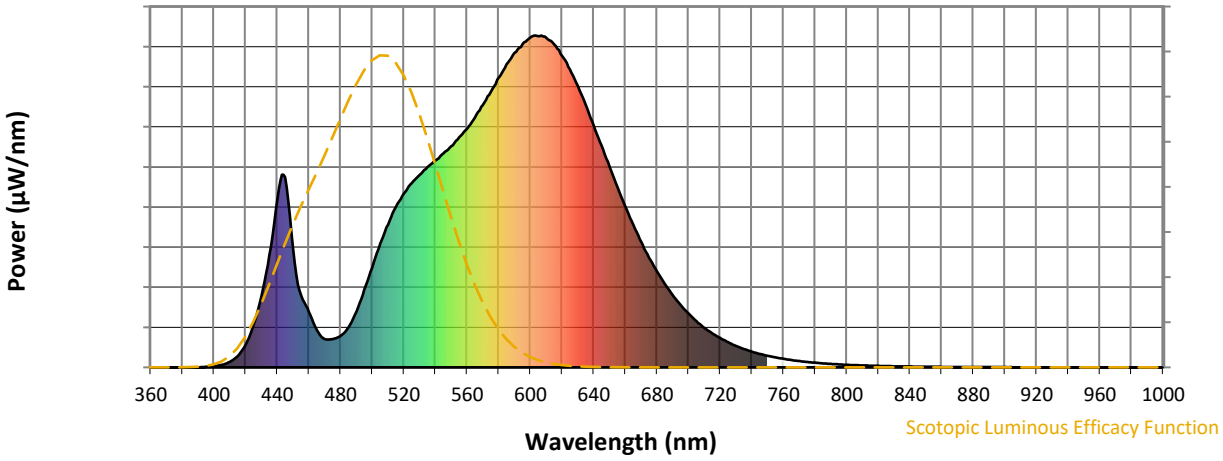


Photopic Lumens: NR

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

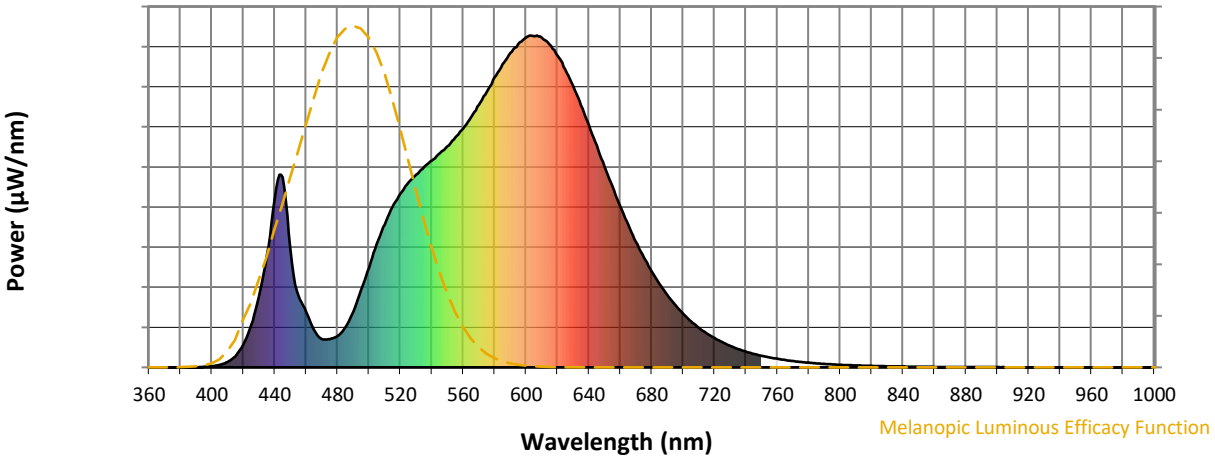


Scotopic Lumens: NR **S/P: 1.27**

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			

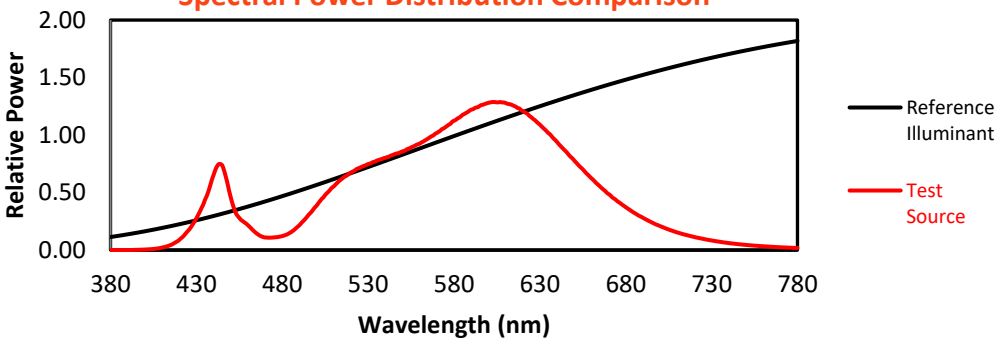
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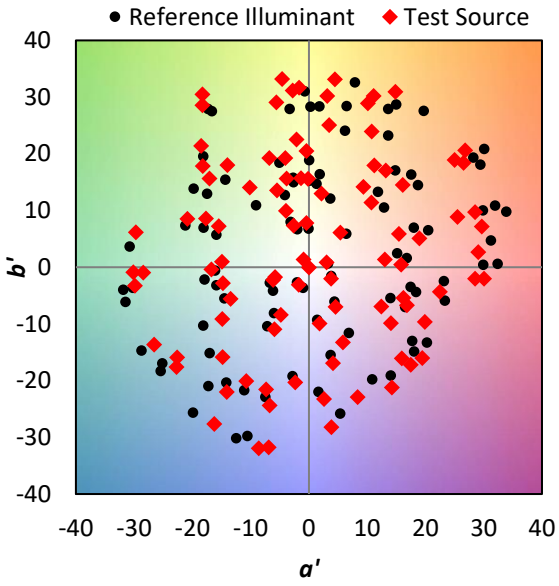
Summary

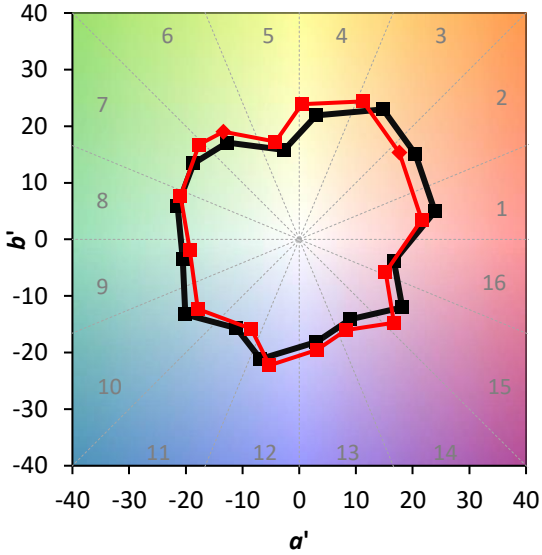
R_f = 81.5
R_g = 99.2
CIE R_a = 81.0
R_9 = 7.1

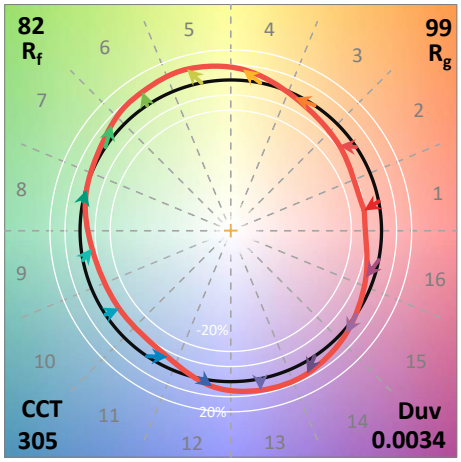
Spectral Power Distribution Comparison

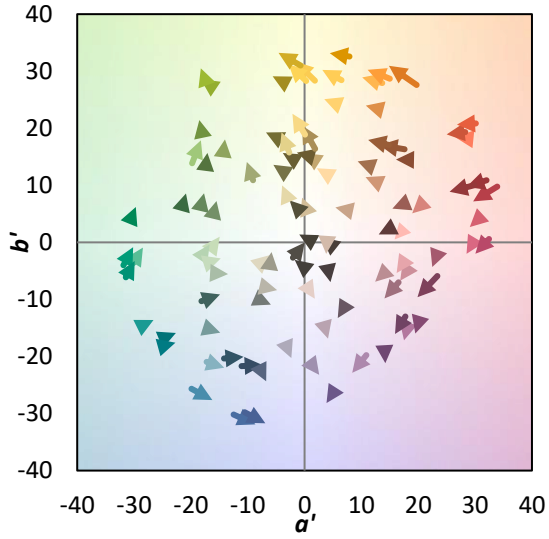


Color Vector Graphics







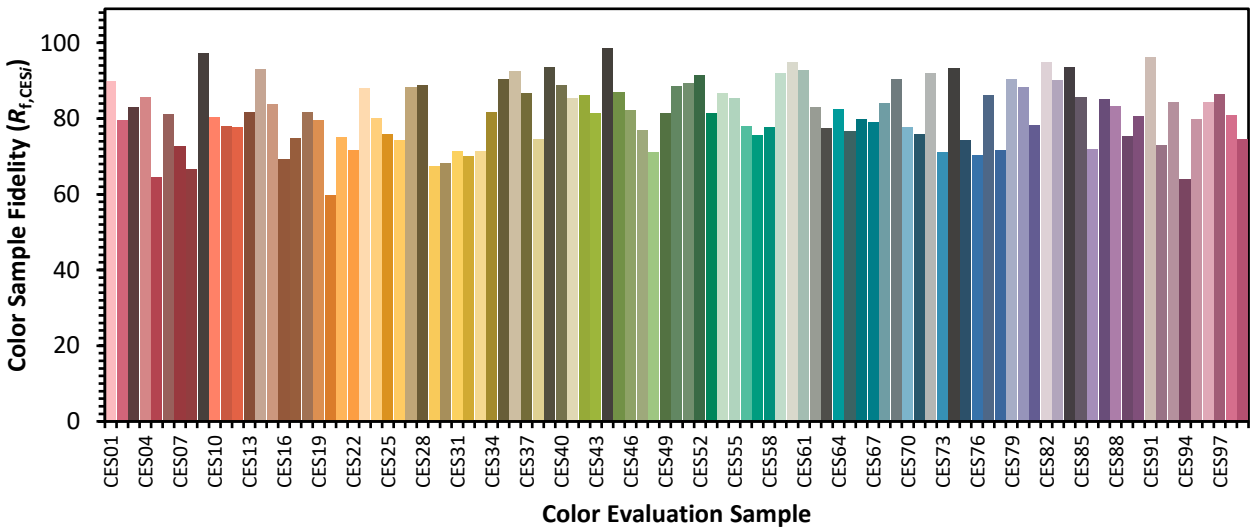


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Individual Sample Fidelity Index ($R_{f,i}$)

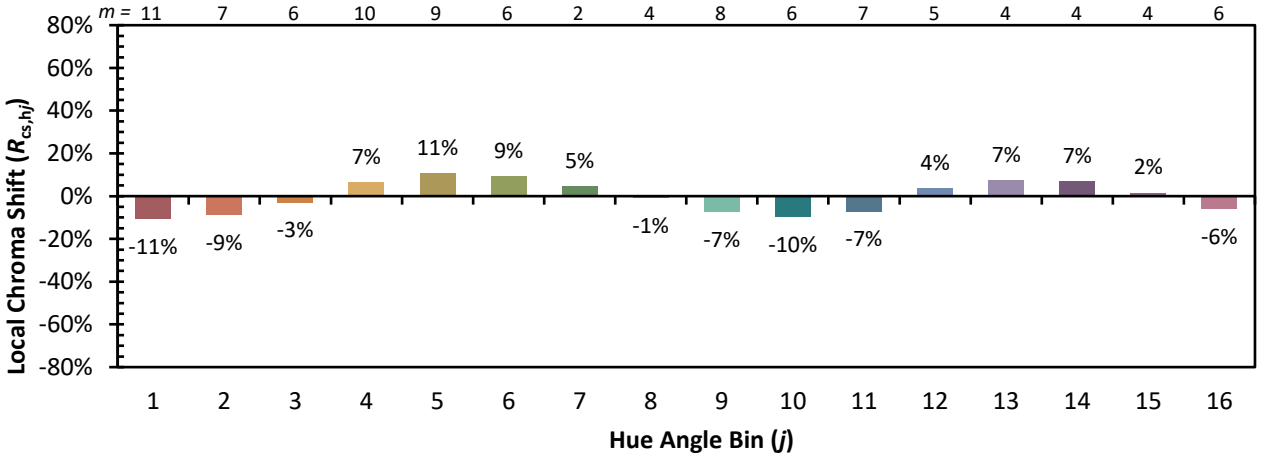
CES01 = 86	CES26 = 74	CES51 = 89	CES76 = 70
CES02 = 63	CES27 = 88	CES52 = 92	CES77 = 86
CES03 = 31	CES28 = 89	CES53 = 81	CES78 = 72
CES04 = 70	CES29 = 67	CES54 = 87	CES79 = 90
CES05 = 50	CES30 = 68	CES55 = 85	CES80 = 88
CES06 = 51	CES31 = 71	CES56 = 78	CES81 = 78
CES07 = 42	CES32 = 70	CES57 = 76	CES82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

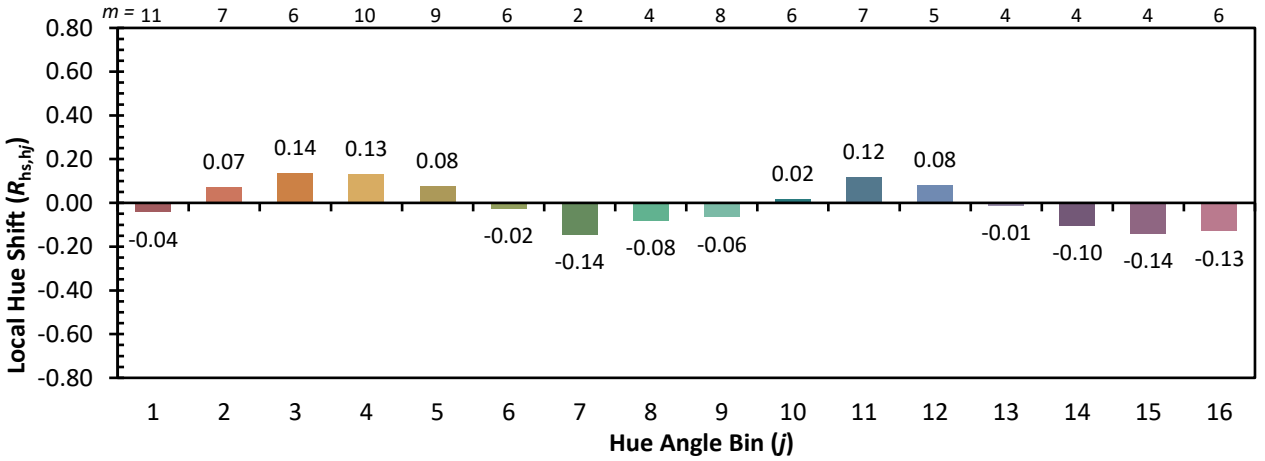


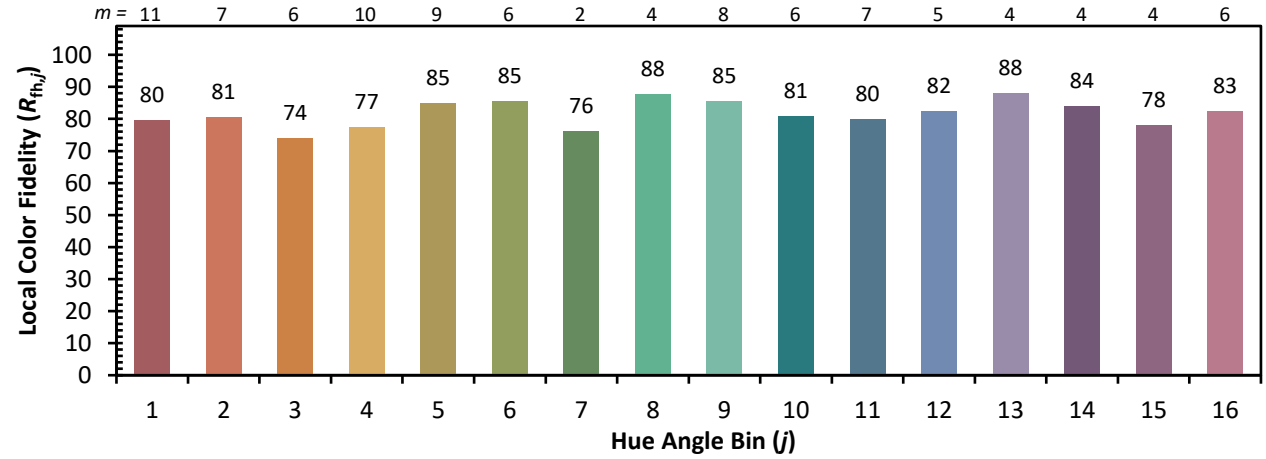
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Color Rendition by Hue-Angle Bin



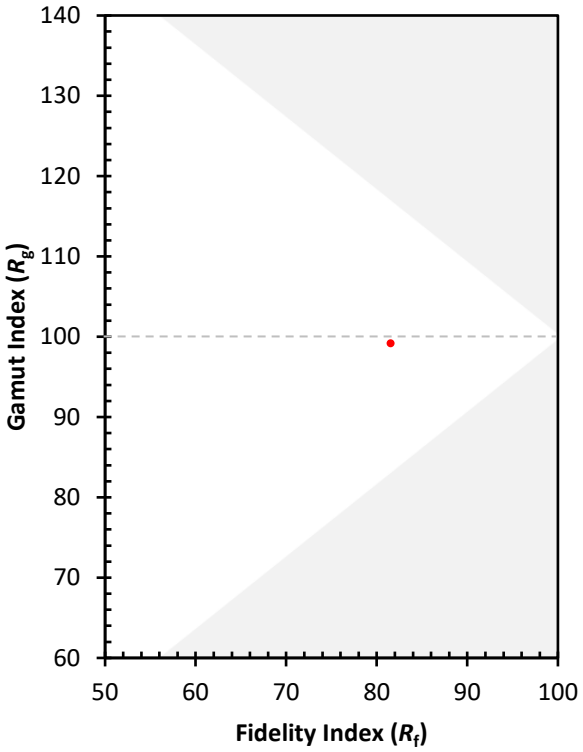


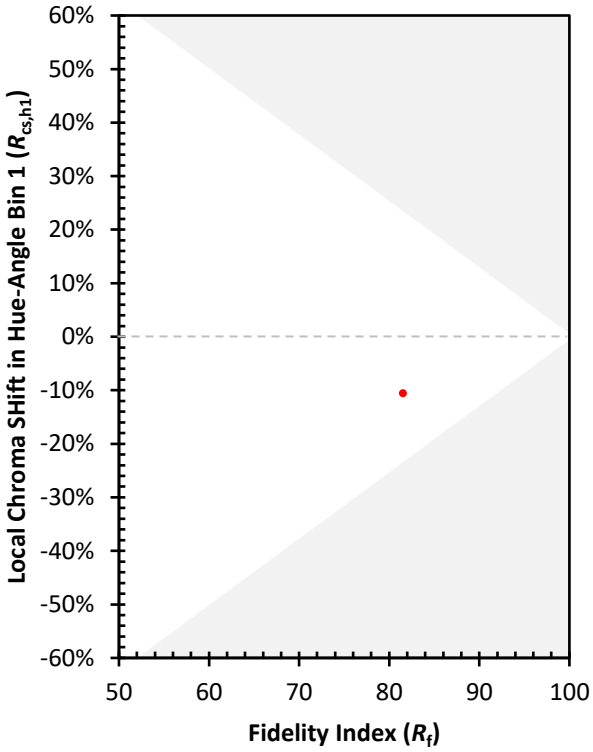


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Measure Comparisons





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