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: P1202374

Luminaire Tested: GWC-SB1D-830-U-T4FT-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:	P1202374
	TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-25)
Test Lab:	INNOVATION CENTER
Issue Date:	3/14/2026
Manufacturer:	COOPER LIGHTING SOLUTIONS
Product Line:	McGRAW-EDISON
Catalog Number:	GWC-SB1D-830-U-T4FT-HSS
Description:	GALLEON WALL LUMINAIRE
	(1) 80 CRI, 3000K, 900mA LIGHTSQUARE WITH 26 LEDS AND TYPE IV FORWARD THROW OPT WITH HOUSE SIDE SHIELD
Light Source:	-
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	6960 lumens
Efficiency:	N/A
Efficacy:	87.4 lumens/watt
Luminous Opening:	Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification:	Type IV - Short
BUG Rating:	B1 - U0 - G2

Input Watts (W):	79.6
Input Voltage (V):	120.0
Input Current (Ain):	0.638
Voltage Rise (V):	NR
Power Factor:	0.997
Total Harmonic Distortion (THDi):	6.673
Frequency (hertz):	60
Stabilization Time:	NR
Operation Time:	NR
Ambient Temperature (°C):	NR
Test Distance:	28.75 FT

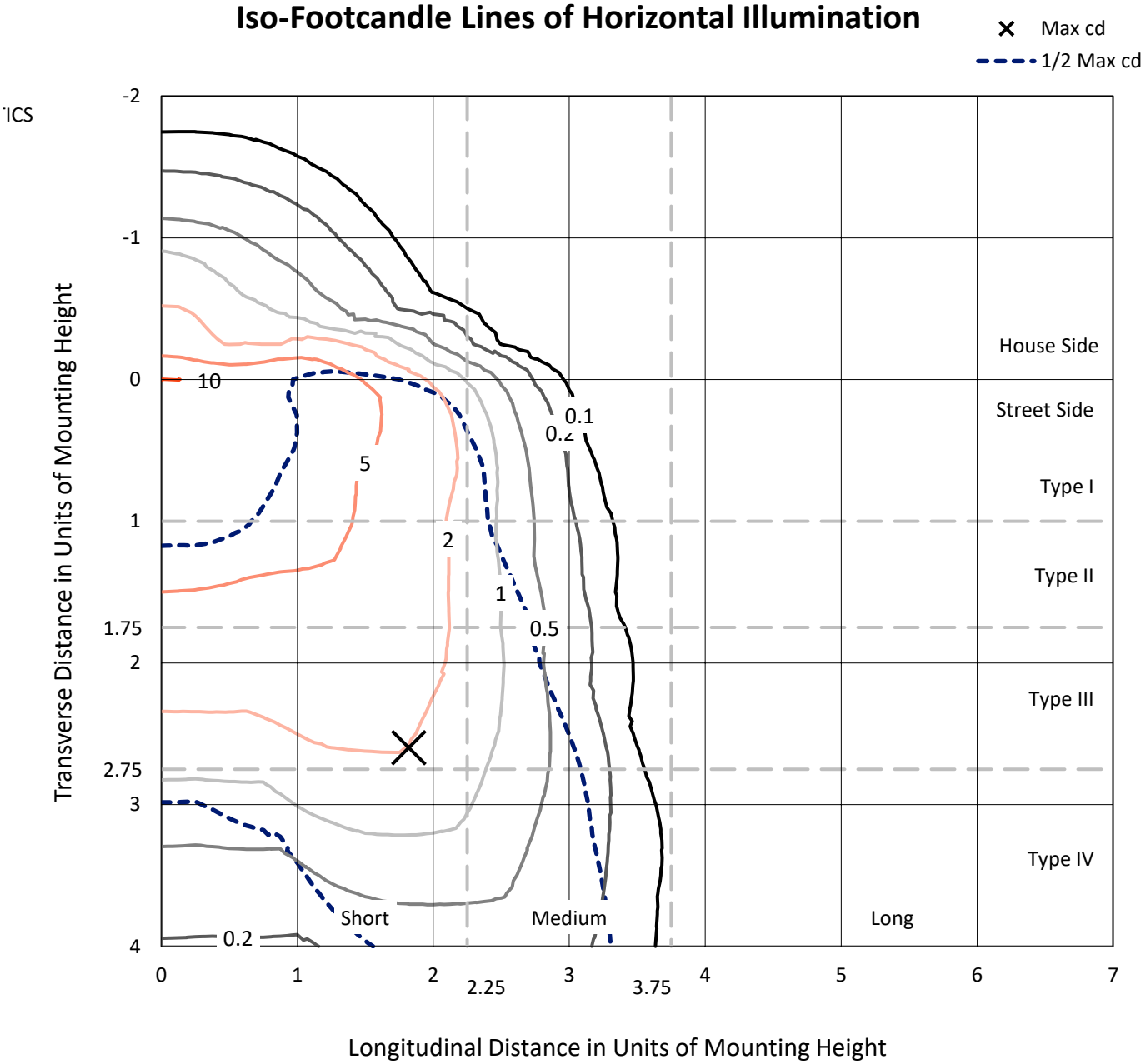


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Scaled Data Report

REPORT NUMBER: P1202374
CATALOG NUMBER: GWC-SB1D-830-U-T4FT-HSS

Iso-Footcandle Lines of Horizontal Illumination



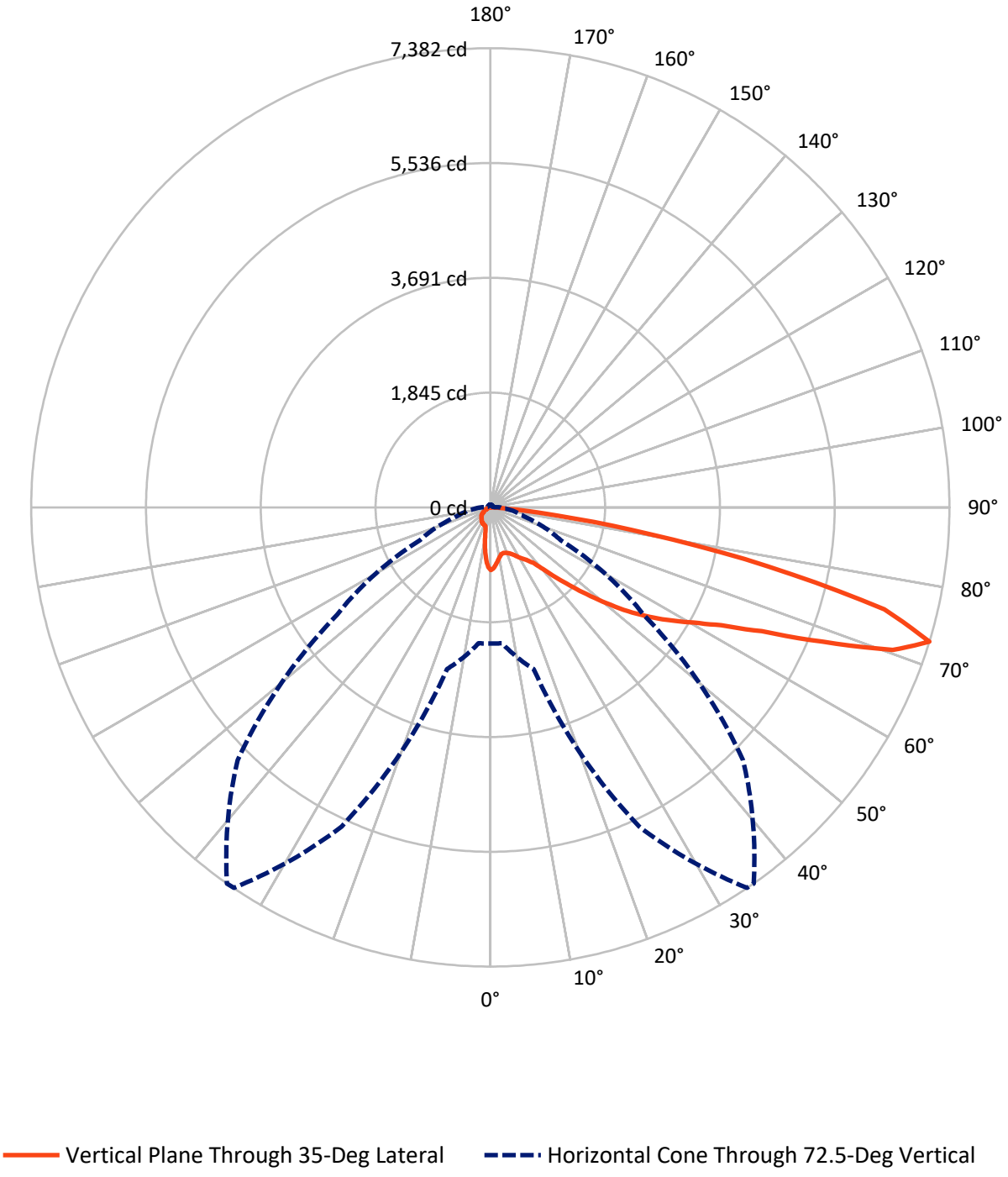
Based on 10 foot mounting height. Maximum calculated value = 14.5 fc
Type IV - Short - N/A

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REPORT NUMBER: P1202374
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Luminous Intensity Polar Plot



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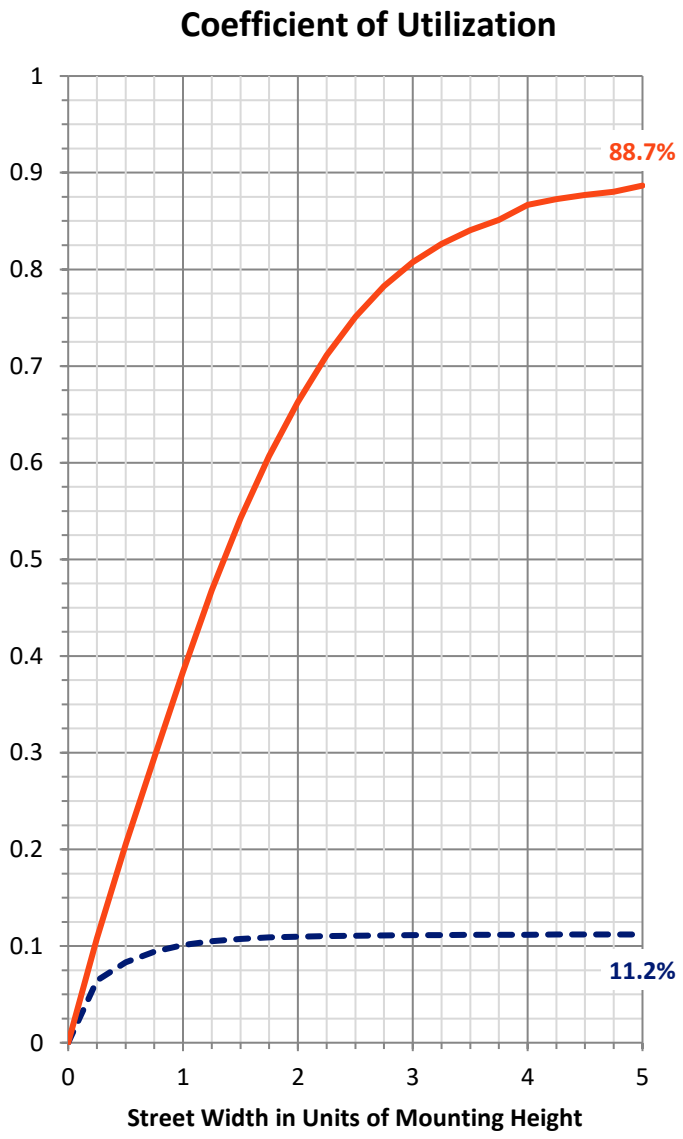
REPORT NUMBER: P1202374
CATALOG NUMBER: GWC-SB1D-830-U-T4FT-HSS

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	783.3	0.0	783.3
	% Fixture	11.3	0.0	11.3
Street Side	Lumens	6176.7	0.0	6176.7
	% Fixture	88.7	0.0	88.7
Total	Lumens	6960.0	0.0	6960.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	82.9	1.2
10°-20°	193.9	2.8
20°-30°	315.0	4.5
30°-40°	525.6	7.6
40°-50°	994.4	14.3
50°-60°	1580.1	22.7
60°-70°	1954.7	28.1
70°-80°	1215.1	17.5
80°-90°	98.2	1.4
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°	6960.0	100.0
0°-180°	6960.0	100.0



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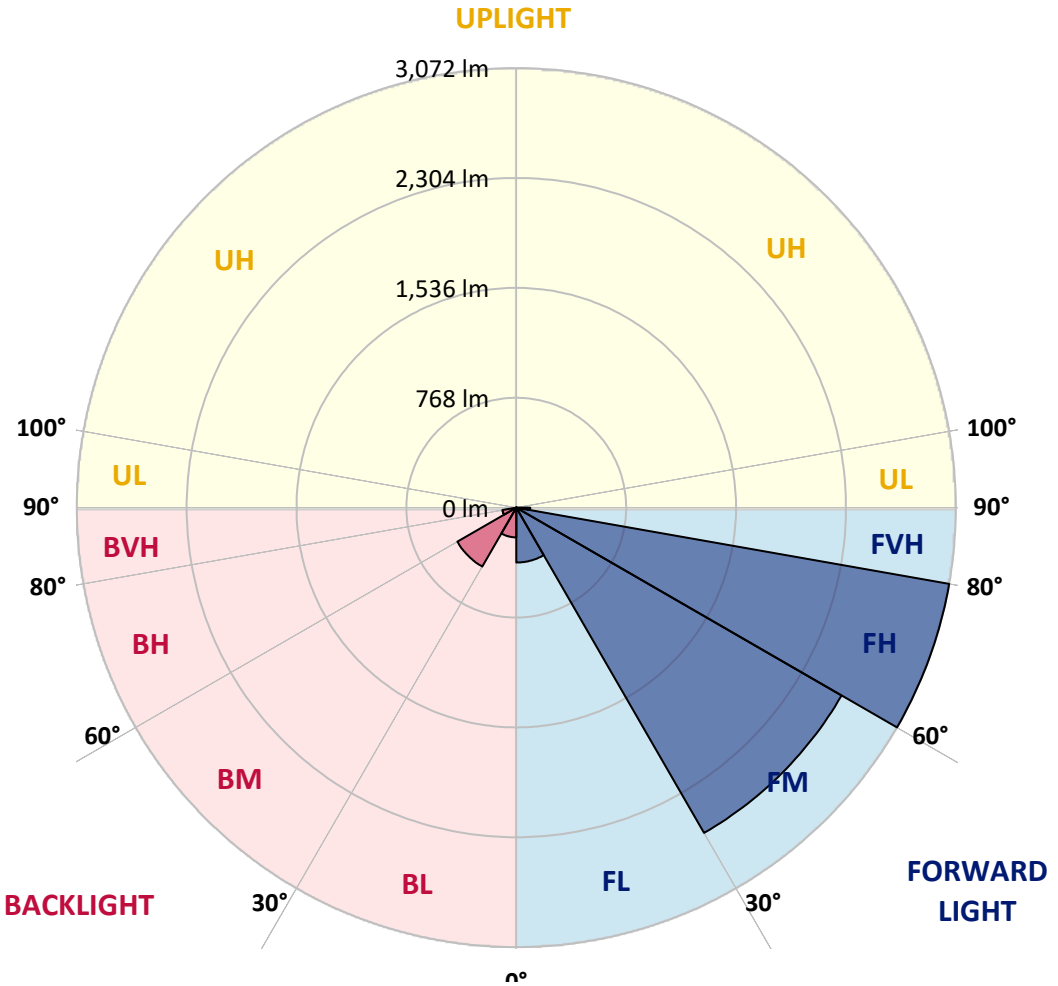
Scaled Data Report

REPORT NUMBER: P1202374
CATALOG NUMBER: GWC-SB1D-830-U-T4FT-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	383.7	5.5			
FM	(30°-60°)	2624.6	37.7			
FH	(60°-80°)	3071.5	44.1			G2/5000
FVH	(80°-90°)	96.9	1.4			G1/100
BL	(0°-30°)	208.1	3.0	B1/500		
BM	(30°-60°)	475.5	6.8	B1/1000		
BH	(60°-80°)	98.3	1.4	B0/110		G0/110
BVH	(80°-90°)	1.3	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-G2
Type IV Short



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REPORT NUMBER: P1202374
CATALOG NUMBER: GWC-SB1D-830-U-T4FT-HSS

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	34°	35°	45°	55°	65°	75°	85°
0°	1008.7	1008.7	1008.7	1008.7	1008.7	*1008.7*	1008.7	1008.7	1008.7	1008.7	1008.7
2.5°	963.9	972.0	973.5	976.1	976.1	*979.2*	984.3	991.4	1003.1	1009.2	1013.3
5°	888.4	894.5	902.2	908.3	920.0	*921.5*	941.4	960.8	987.8	1008.2	1022.5
7.5°	812.4	819.5	829.7	844.5	859.8	*864.4*	894.5	927.1	970.0	1008.2	1032.2
10°	758.8	759.4	768.5	783.3	807.8	*813.4*	850.1	896.5	950.1	1002.1	1041.4
12.5°	728.8	732.3	736.4	747.6	771.1	*774.7*	813.9	868.5	930.2	998.5	1052.1
15°	728.8	731.3	733.9	739.5	758.3	*761.4*	796.1	850.6	920.0	1000.1	1069.4
17.5°	736.4	740.5	738.4	745.1	765.0	*767.0*	797.6	845.5	919.5	1009.8	1095.9
20°	754.8	757.8	753.7	757.8	777.7	*781.8*	813.4	855.2	928.2	1026.6	1129.1
22.5°	783.8	785.4	775.7	778.7	799.1	*804.2*	841.0	882.8	949.1	1053.6	1173.5
25°	820.6	823.6	808.8	812.4	831.8	*837.9*	880.2	924.1	982.2	1090.8	1230.1
27.5°	862.9	864.4	851.7	851.2	876.1	*884.8*	927.7	975.1	1026.6	1137.8	1301.5
30°	911.3	915.9	903.7	901.6	933.3	*940.4*	982.7	1037.8	1091.9	1208.1	1403.0
32.5°	949.6	953.1	946.0	951.1	983.2	*988.8*	1049.5	1126.5	1194.4	1308.1	1541.2
35°	1004.7	1006.7	990.4	999.6	1036.3	*1050.6*	1140.8	1251.0	1323.4	1433.5	1721.7
37.5°	1204.1	1204.1	1134.7	1089.3	1124.5	*1137.3*	1265.8	1407.5	1482.5	1601.8	1949.1
40°	1480.0	1475.4	1373.9	1281.1	1276.5	*1301.5*	1443.7	1604.9	1688.0	1803.8	2205.1
42.5°	1774.2	1767.1	1628.9	1537.1	1521.8	*1530.4*	1649.3	1848.2	1932.8	2050.1	2480.5
45°	2035.3	2033.3	1906.8	1783.4	1755.9	*1783.4*	1905.8	2132.7	2193.4	2316.8	2755.4
47.5°	2254.1	2254.1	2161.8	2081.2	2066.9	*2083.3*	2253.1	2448.4	2442.8	2600.9	3023.2
50°	2506.0	2504.0	2416.3	2381.6	2396.4	*2419.3*	2652.9	2780.9	2700.8	2879.8	3262.3
52.5°	2682.5	2694.7	2664.6	2659.0	2734.5	*2774.3*	3058.9	3106.3	2931.9	3144.5	3441.3
55°	2822.2	2836.5	2871.2	2910.4	3055.8	*3107.8*	3452.0	3414.8	3125.1	3374.0	3544.4
57.5°	3020.1	2999.7	3053.2	3130.8	3365.9	*3428.6*	3833.0	3706.0	3280.7	3560.2	3555.6
60°	3260.3	3263.4	3272.5	3370.4	3675.4	*3756.0*	4208.3	3981.4	3380.6	3674.4	3431.1
62.5°	3548.9	3553.5	3572.4	3722.8	4091.0	*4167.0*	4608.2	4206.8	3426.5	3642.3	3109.8
65°	3529.1	3548.4	3759.1	4273.6	4722.9	*4797.9*	5074.8	4364.9	3357.2	3348.5	2532.0
67.5°	3214.9	3246.5	3598.9	4931.5	5675.6	*5759.2*	5638.8	4396.0	3057.8	2603.9	1651.8
70°	2802.8	2814.1	3237.9	5523.1	6778.6	*6863.3*	6143.7	4053.8	2320.4	1452.4	740.0
72.5°	*2188.8*	*2191.4*	*2688.6*	*5660.3*	*7377.3*	*7381.9*	*5747.5*	*3009.4*	*1247.9*	*557.9*	*257.0*
75°	1563.6	1548.3	1800.7	4590.3	6490.5	*6542.5*	4308.8	1411.6	476.8	263.7	128.0
77.5°	838.4	855.2	1018.9	2722.3	4483.7	*4572.5*	2351.0	407.0	242.7	179.5	84.7
80°	259.1	273.3	417.7	1246.4	2539.7	*2593.2*	871.6	181.0	169.3	128.0	55.6
82.5°	81.6	84.7	194.8	523.7	1054.1	*1078.6*	252.4	102.5	115.8	84.7	32.6
85°	23.5	24.0	86.7	195.3	260.6	*265.7*	70.9	39.8	66.3	52.5	16.8
87.5°	2.5	8.2	32.6	32.6	22.9	*22.4*	7.6	8.7	18.9	6.6	3.1
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: P1202374
CATALOG NUMBER: GWC-SB1D-830-U-T4FT-HSS

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1008.7	1008.7	1008.7	1008.7	1008.7	1008.7	1008.7	1008.7	1008.7	1008.7	1008.7
2.5°	1010.8	1011.3	1004.7	993.4	981.2	971.0	958.2	948.0	940.9	938.9	942.4
5°	1017.9	1014.3	995.5	961.3	920.5	885.3	846.1	814.9	794.5	785.9	788.9
7.5°	1028.6	1018.4	977.1	909.8	831.8	762.4	692.0	637.5	602.8	585.5	588.0
10°	1037.8	1017.4	946.5	835.3	716.0	611.0	516.1	450.3	413.6	396.3	396.8
12.5°	1046.5	1016.9	906.7	747.1	585.5	456.9	368.7	336.1	325.9	322.3	321.3
15°	1062.8	1018.4	856.8	646.1	455.4	345.3	313.1	312.6	314.7	313.6	313.1
17.5°	1085.2	1020.0	800.2	539.0	351.4	304.5	302.9	307.5	310.6	309.0	308.5
20°	1114.3	1026.1	740.0	433.0	301.9	294.3	297.8	301.9	304.5	301.9	301.4
22.5°	1155.1	1036.8	674.2	347.8	286.1	288.1	291.2	295.8	298.3	294.8	294.3
25°	1205.1	1053.6	609.4	302.4	278.4	281.0	285.6	290.7	293.7	290.2	289.7
27.5°	1269.8	1080.6	549.8	292.2	270.8	272.3	279.0	286.6	290.7	286.1	286.1
30°	1363.7	1125.0	498.2	296.8	266.2	262.6	271.8	282.5	287.1	283.0	282.5
32.5°	1488.1	1187.7	466.6	303.9	264.2	251.4	260.1	273.9	281.5	279.0	279.0
35°	1651.3	1283.1	454.4	312.1	262.6	239.7	245.8	260.6	273.9	276.4	276.4
37.5°	1849.2	1415.7	458.0	315.7	258.0	230.0	233.1	245.8	263.1	271.3	273.3
40°	2074.1	1570.2	478.4	312.1	252.9	221.8	222.4	232.0	247.3	259.6	263.7
42.5°	2306.1	1750.8	516.1	298.8	248.4	214.7	213.2	219.8	230.0	238.7	242.2
45°	2526.9	1936.4	553.3	280.5	242.7	207.6	204.0	206.5	208.6	212.2	214.2
47.5°	2719.7	2066.9	542.6	263.7	235.1	199.4	193.3	192.3	186.1	185.6	185.1
50°	2852.8	2095.5	481.9	246.8	223.9	190.2	180.5	174.4	163.7	158.6	159.1
52.5°	2895.1	1982.8	393.7	230.0	205.5	178.0	164.2	154.5	141.3	136.7	136.2
55°	2839.0	1762.0	314.7	209.6	180.0	161.7	146.4	133.6	122.9	117.3	117.3
57.5°	2701.9	1481.0	248.9	185.6	153.0	143.3	128.0	115.3	106.1	100.5	99.4
60°	2474.4	1176.0	196.9	157.1	130.6	123.4	107.6	99.4	91.3	84.7	83.1
62.5°	2129.2	839.4	154.5	124.4	109.1	101.0	91.8	85.7	76.0	66.8	65.3
65°	1661.5	513.5	119.3	91.3	87.7	83.6	78.0	72.4	60.7	51.5	50.0
67.5°	1048.0	243.3	85.2	68.8	69.4	67.3	64.8	60.2	51.5	43.3	42.3
70°	461.5	117.8	56.1	52.5	51.5	51.5	53.5	52.0	43.9	36.2	34.7
72.5°	*157.1*	*63.2*	*41.8*	*39.8*	*37.2*	*36.7*	*44.9*	*43.3*	*35.2*	*28.0*	*26.5*
75°	82.1	42.3	30.6	28.6	22.4	27.0	35.7	33.7	25.0	18.4	16.8
77.5°	53.5	30.1	20.9	18.4	12.7	17.8	26.5	23.5	14.8	9.2	8.2
80°	33.7	19.9	12.2	8.7	6.1	9.7	14.3	10.2	5.6	2.0	1.5
82.5°	17.8	10.2	4.6	3.1	2.5	3.1	3.6	2.5	1.0	0.0	0.0
85°	7.1	3.6	1.5	1.0	0.5	0.0	1.0	0.5	0.0	0.0	0.0
87.5°	2.5	0.5	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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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

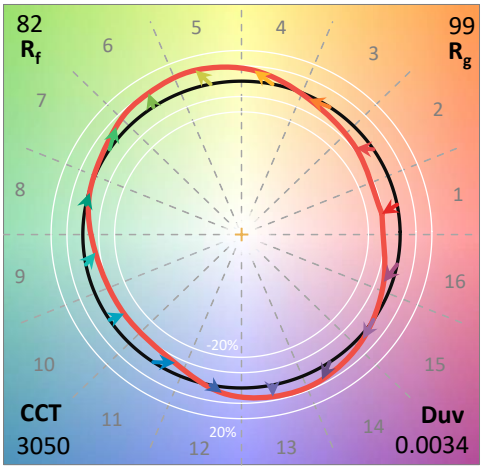
Test Information

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

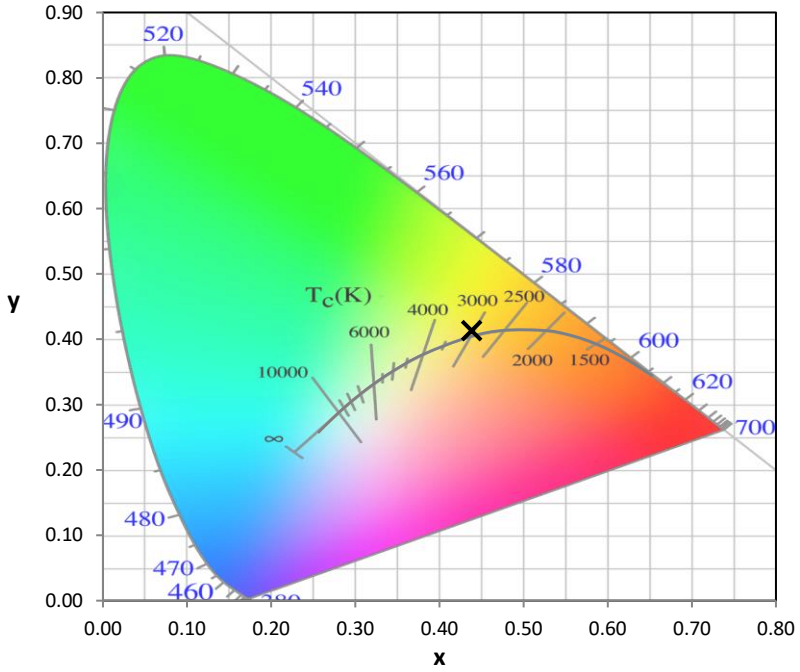
Stabilization Time:	20M
Operation Time:	1H 20M
Sphere Temperature (°C):	24.2

REPORT NUMBER: SP1-2408-195-9

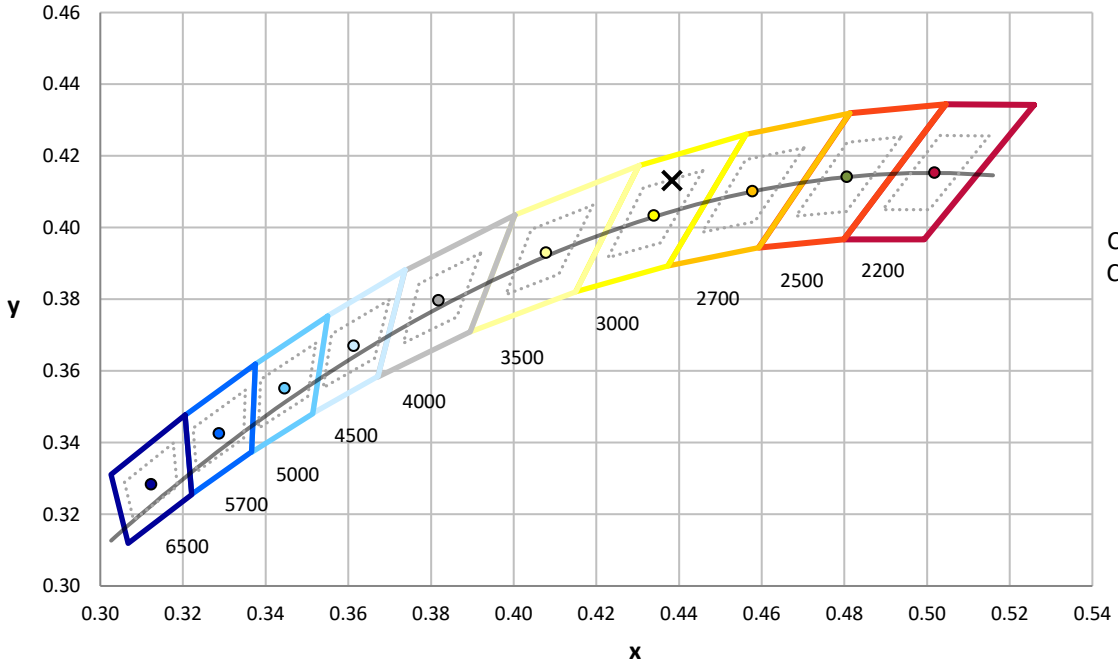
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

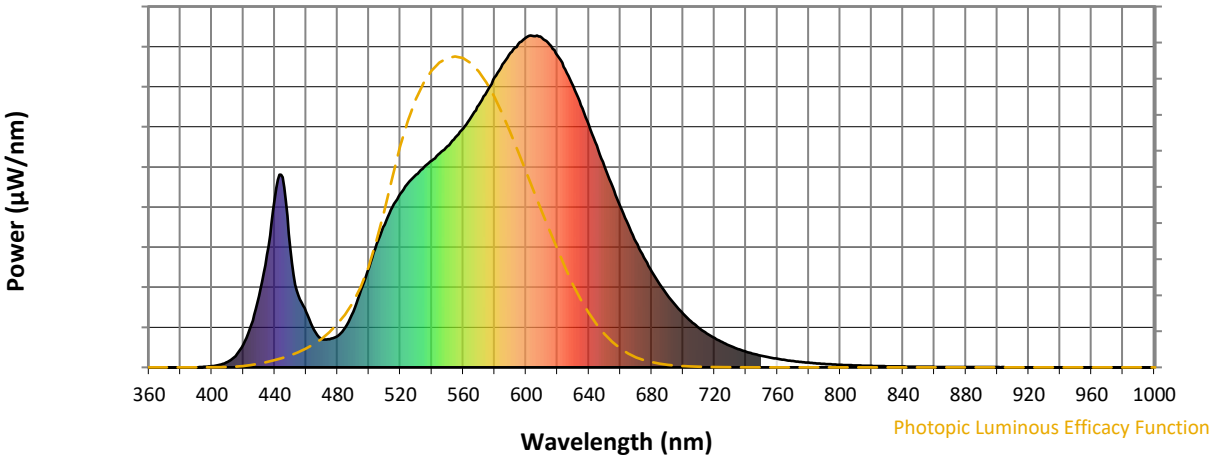


CCT = 3050K
CIE x = 0.4383
CIE y = 0.4131
Duv = 0.0034

Point lies inside the ANSI 3000K 4-step quadrangle

REPORT NUMBER: SP1-2408-195-9

Photopic Flux vs. Wavelength

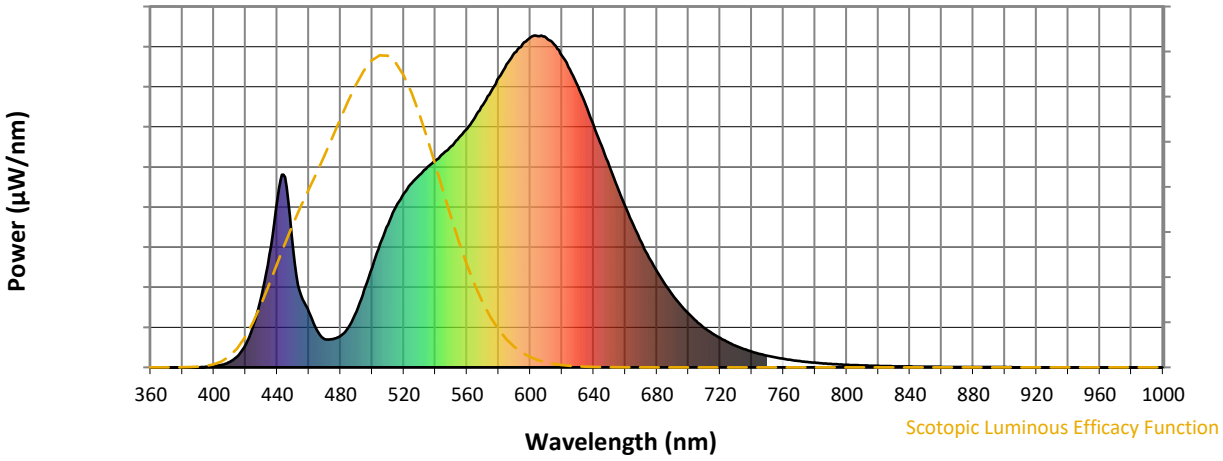


Photopic Lumens: NR

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

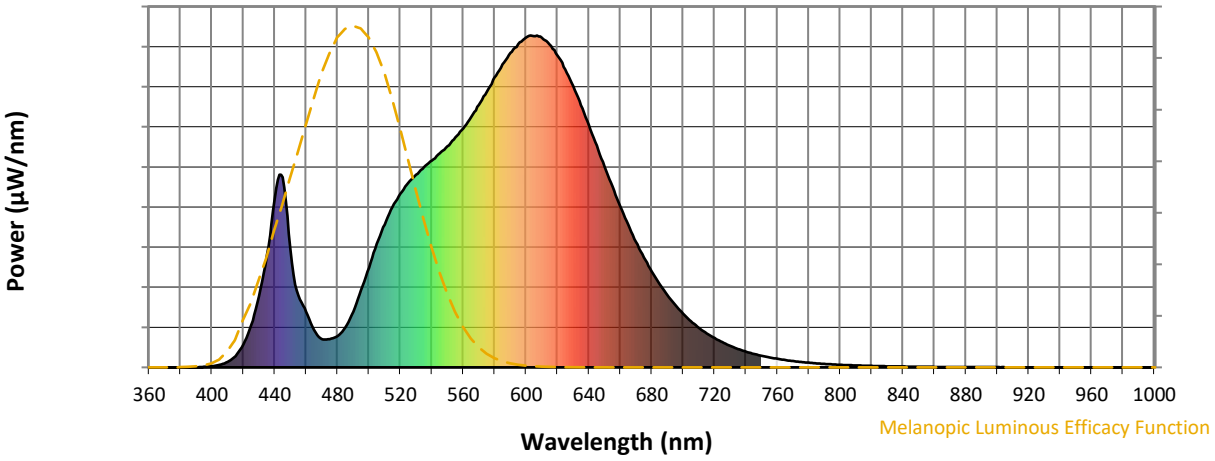


Scotopic Lumens: NR **S/P: 1.27**

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			

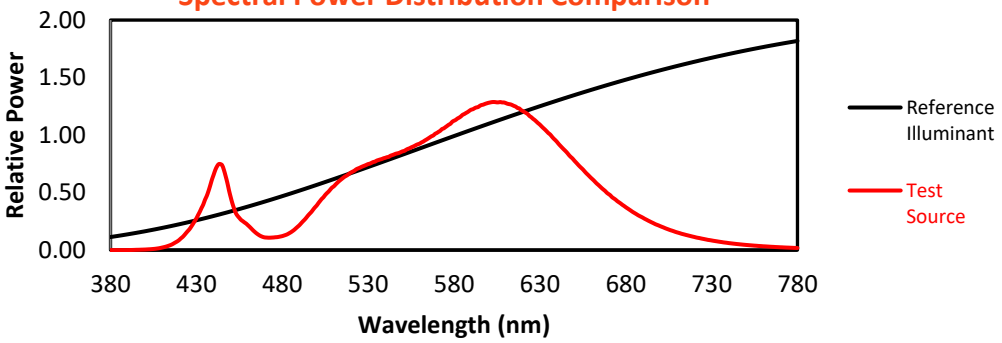
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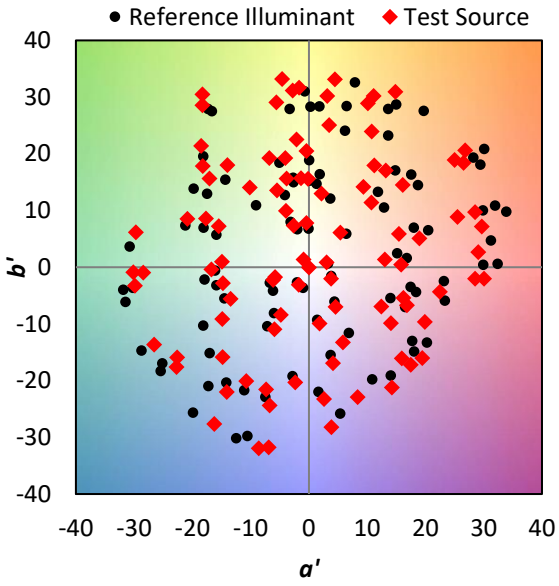
Summary

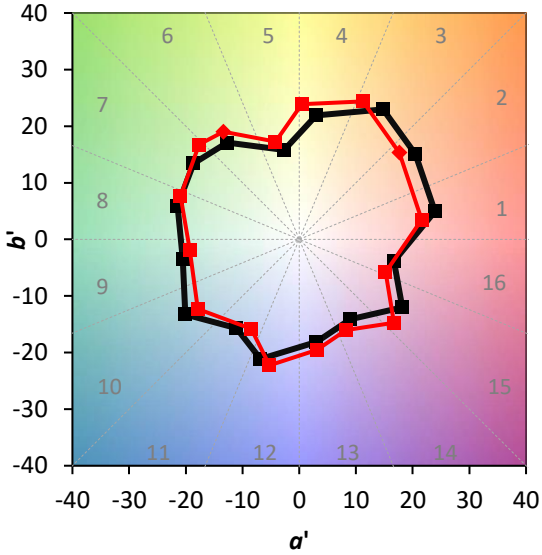
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R_g = 99.2
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R_9 = 7.1

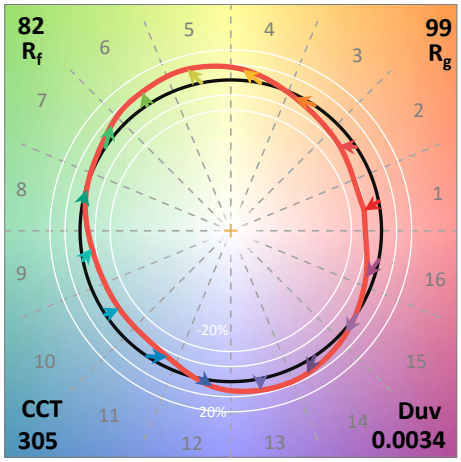
Spectral Power Distribution Comparison

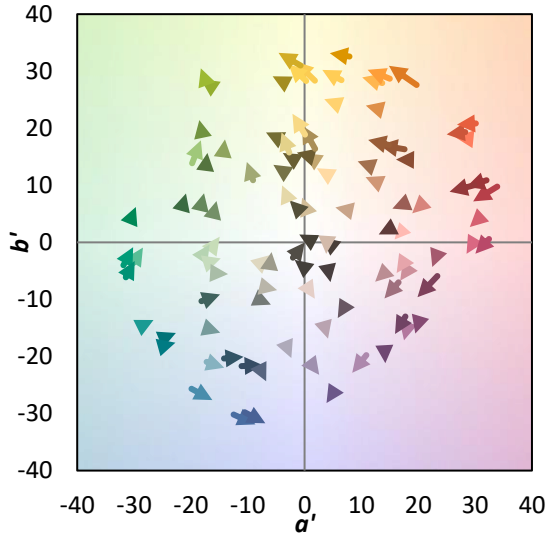


Color Vector Graphics







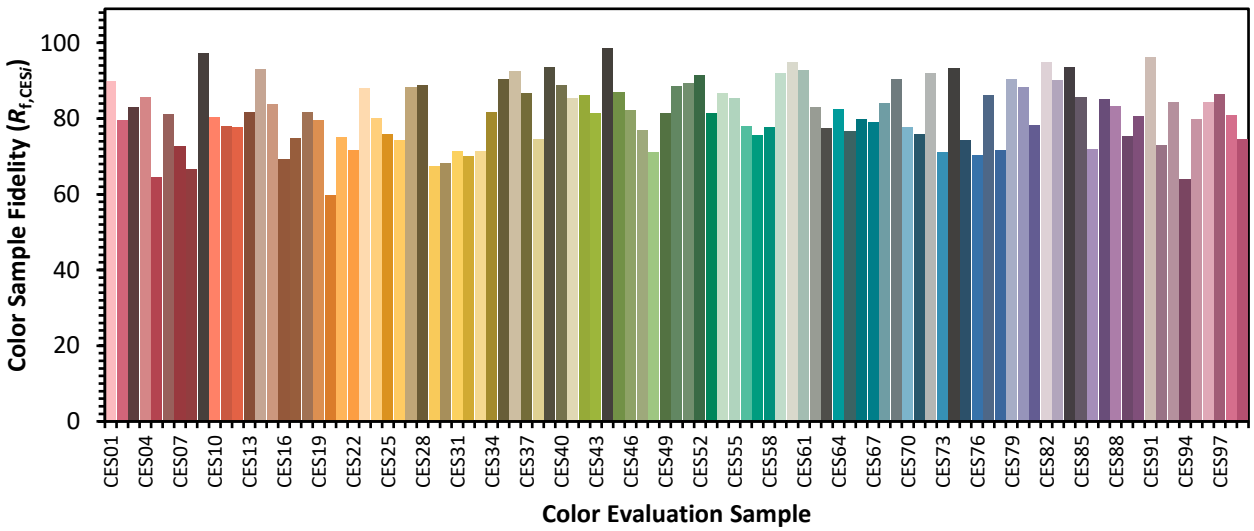


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Individual Sample Fidelity Index ($R_{f,i}$)

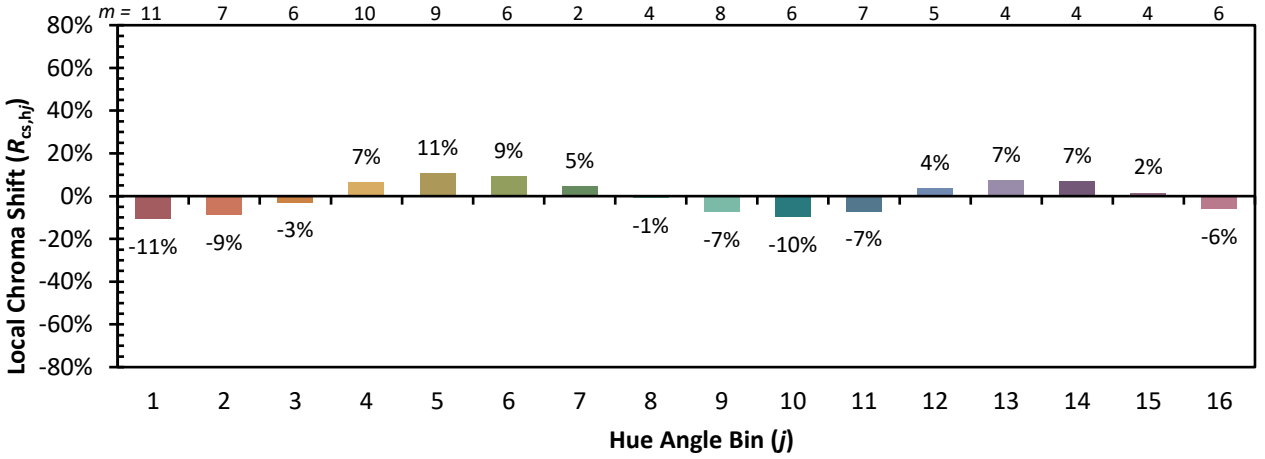
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CES02 = 63	CES27 = 88	CES52 = 92	CES77 = 86
CES03 = 31	CES28 = 89	CES53 = 81	CES78 = 72
CES04 = 70	CES29 = 67	CES54 = 87	CES79 = 90
CES05 = 50	CES30 = 68	CES55 = 85	CES80 = 88
CES06 = 51	CES31 = 71	CES56 = 78	CES81 = 78
CES07 = 42	CES32 = 70	CES57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

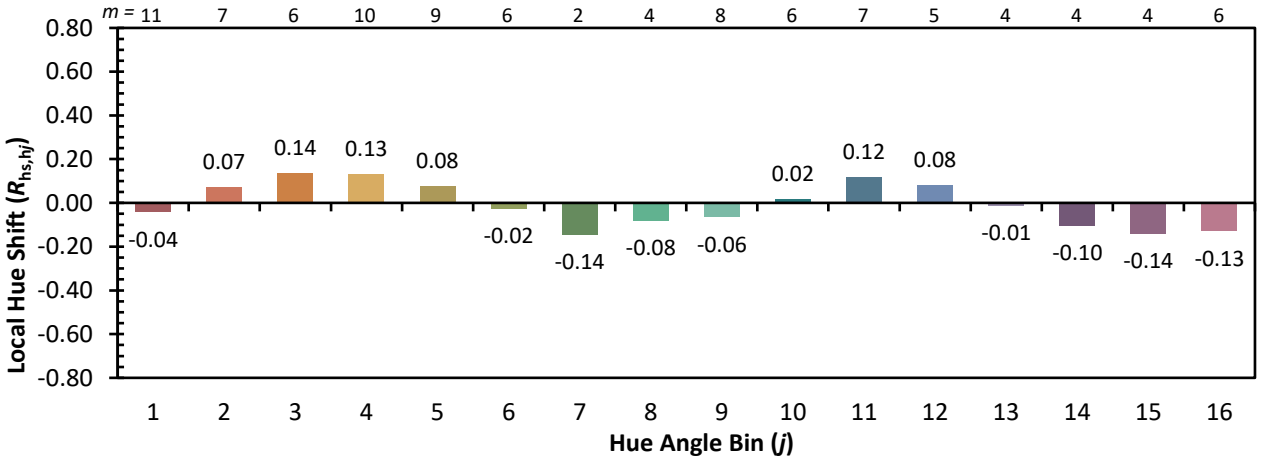


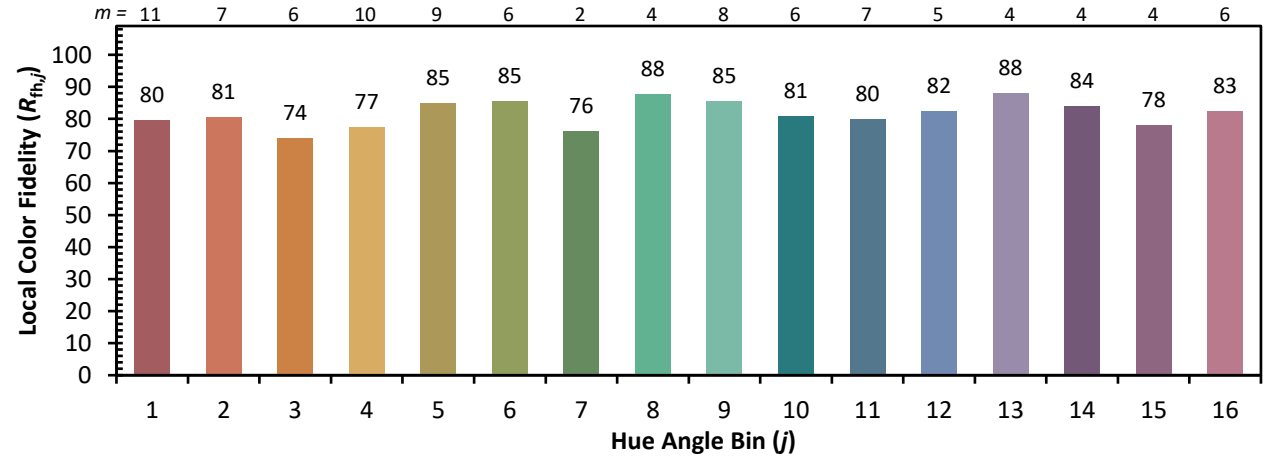
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Color Rendition by Hue-Angle Bin



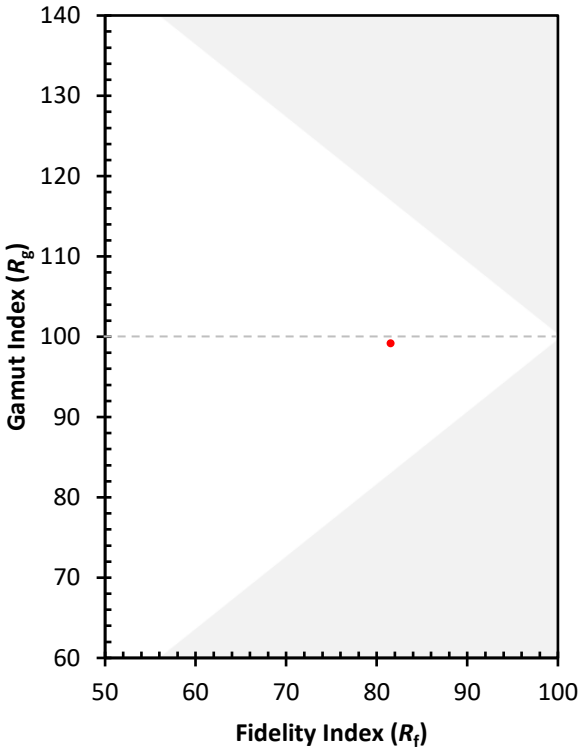


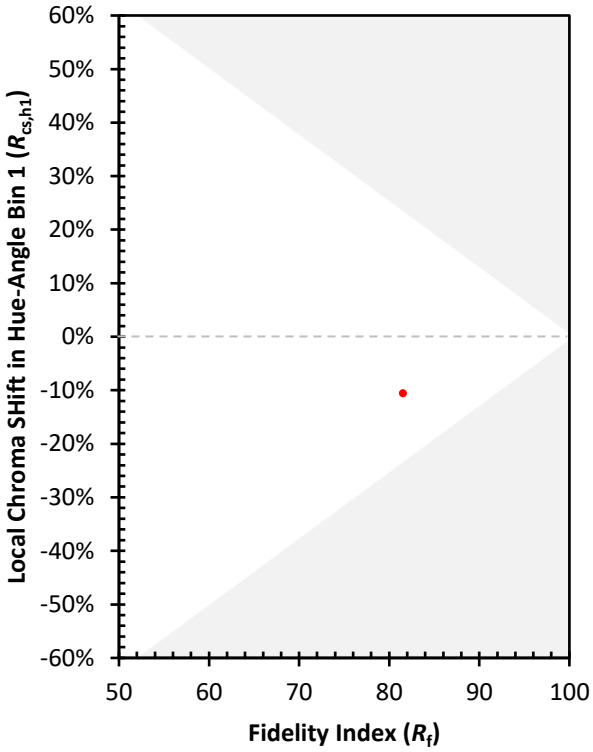


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Measure Comparisons





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