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: P1202000

Luminaire Tested: GWC-SB1C-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:	P1202000
	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-SB1C-830-U-T4FT-HSS
Description:	GALLEON WALL LUMINAIRE
	(1) 80 CRI, 3000K, 615mA 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:	5122 lumens
Efficiency:	N/A
Efficacy:	94.2 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):	54.4
Input Voltage (V):	120.0
Input Current (Ain):	0.437
Voltage Rise (V):	NR
Power Factor:	0.993
Total Harmonic Distortion (THDi):	9.314
Frequency (hertz):	60
Stabilization Time:	NR
Operation Time:	NR
Ambient Temperature (°C):	NR
Test Distance:	28.75 FT

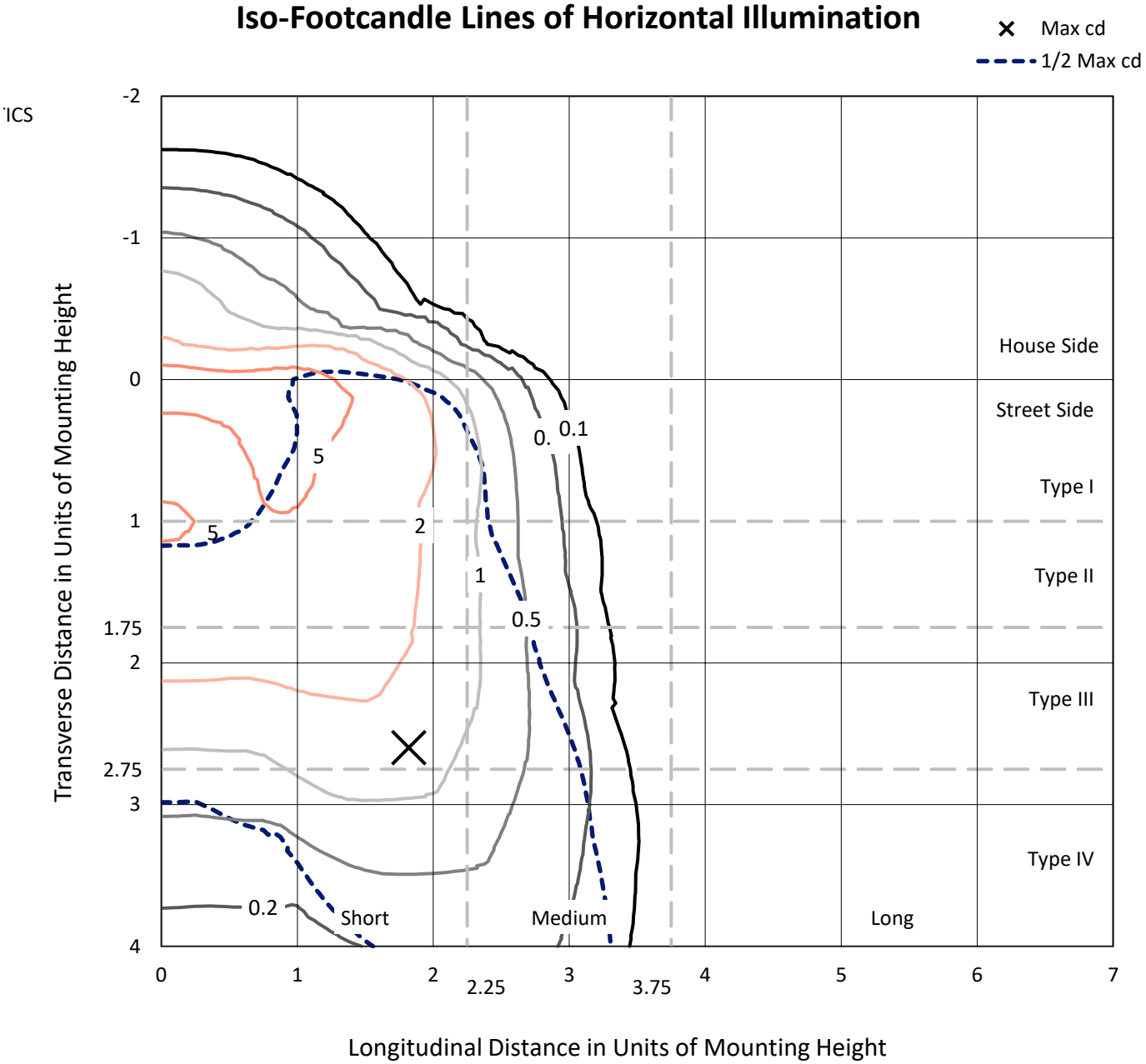


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REPORT NUMBER: P1202000
CATALOG NUMBER: GWC-SB1C-830-U-T4FT-HSS

Iso-Footcandle Lines of Horizontal Illumination



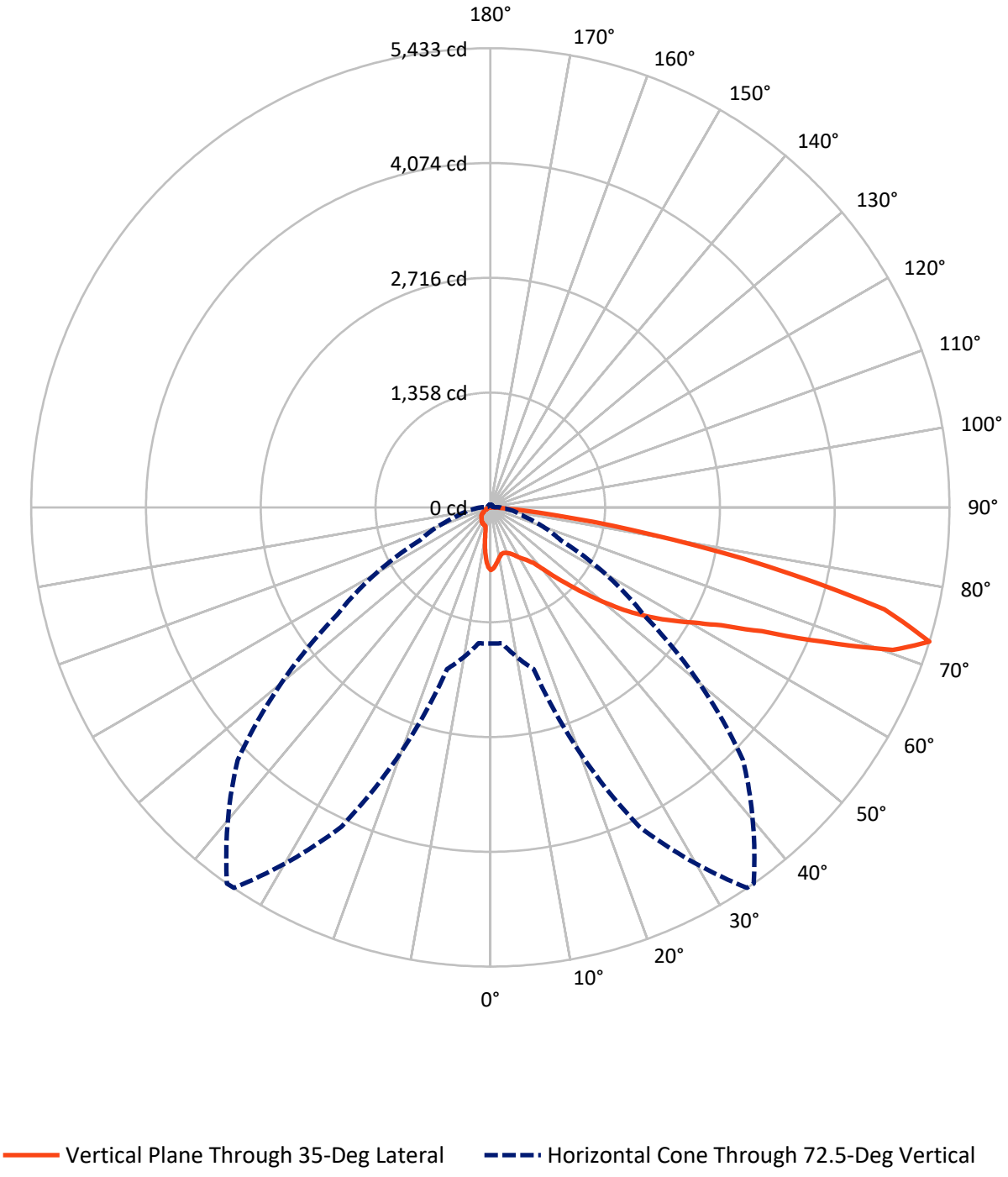
Based on 10 foot mounting height. Maximum calculated value = 10.6 fc
Type IV - Short - N/A

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REPORT NUMBER: P1202000
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Luminous Intensity Polar Plot



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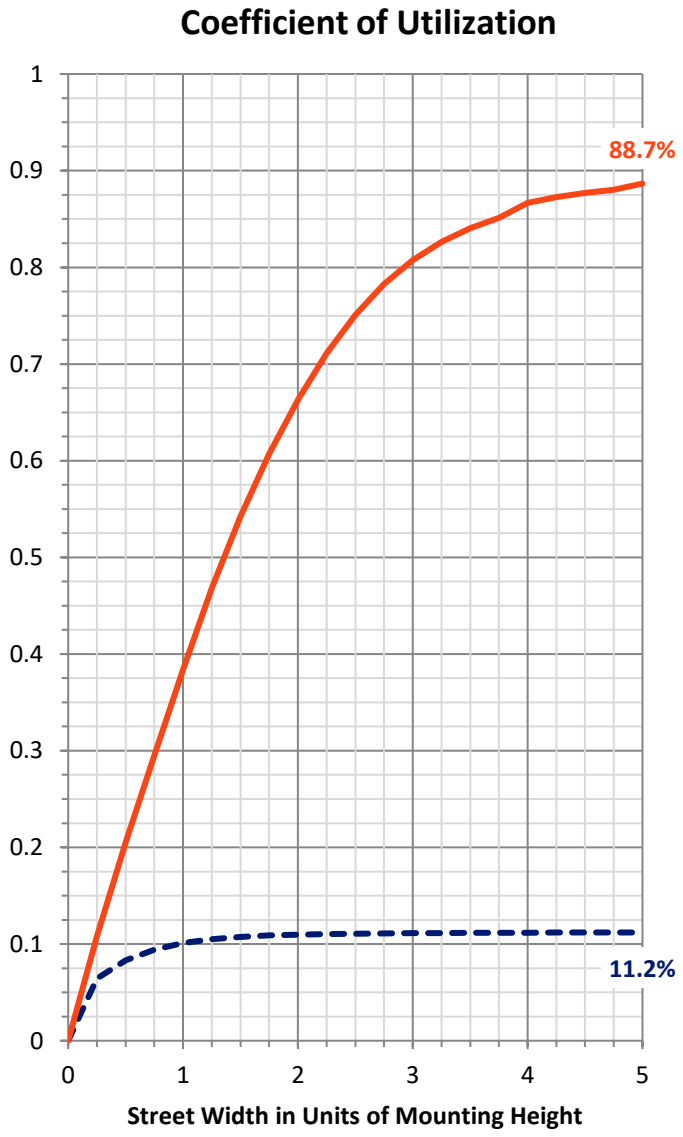
REPORT NUMBER: P1202000
CATALOG NUMBER: GWC-SB1C-830-U-T4FT-HSS

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	576.5	0.0	576.5
	% Fixture	11.3	0.0	11.3
Street Side	Lumens	4545.5	0.0	4545.5
	% Fixture	88.7	0.0	88.7
Total	Lumens	5122.0	0.0	5122.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	61.0	1.2
10°-20°	142.7	2.8
20°-30°	231.8	4.5
30°-40°	386.8	7.6
40°-50°	731.8	14.3
50°-60°	1162.9	22.7
60°-70°	1438.5	28.1
70°-80°	894.2	17.5
80°-90°	72.3	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°	5122.0	100.0
0°-180°	5122.0	100.0



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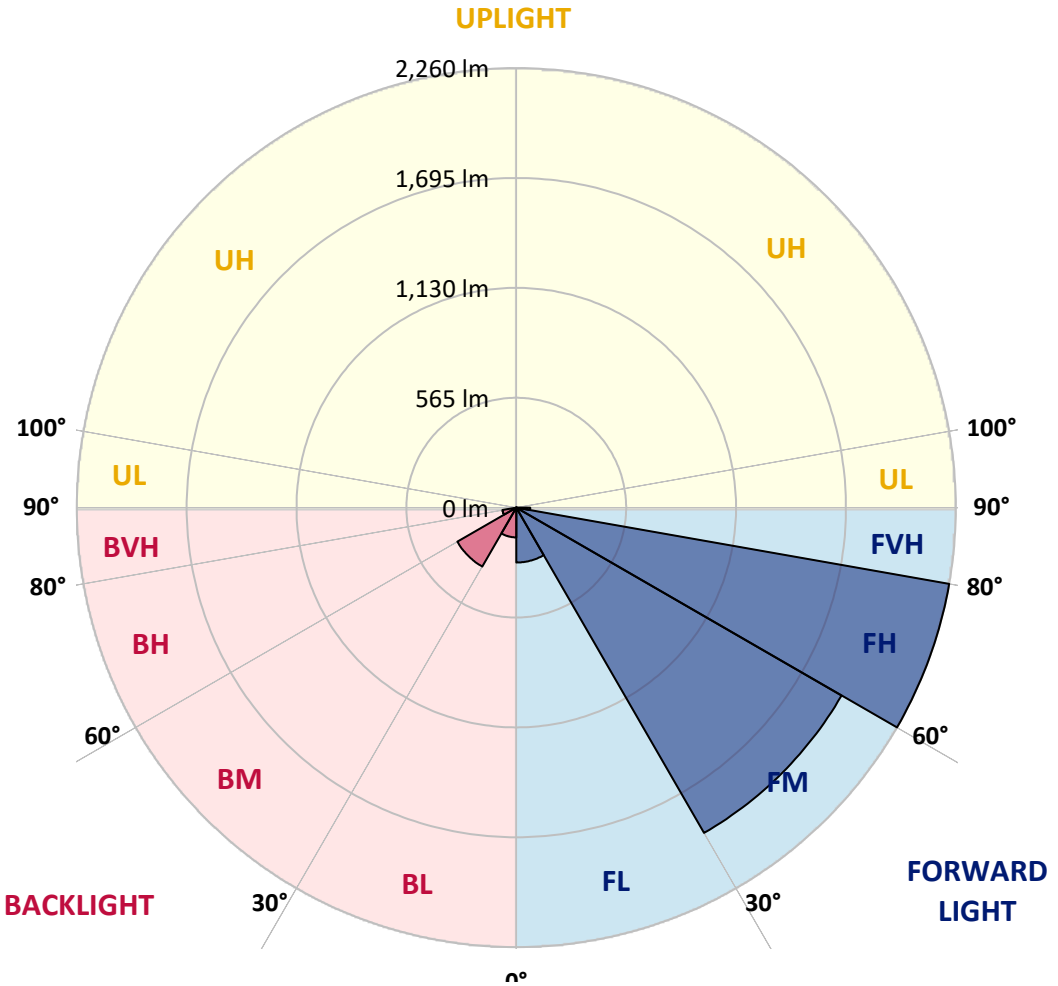
Scaled Data Report

REPORT NUMBER: P1202000
CATALOG NUMBER: GWC-SB1C-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°)	282.4	5.5			
FM	(30°-60°)	1931.5	37.7			
FH	(60°-80°)	2260.4	44.1			G2/5000
FVH	(80°-90°)	71.3	1.4			G1/100
BL	(0°-30°)	153.2	3.0	B1/500		
BM	(30°-60°)	350.0	6.8	B1/1000		
BH	(60°-80°)	72.3	1.4	B0/110		G0/110
BVH	(80°-90°)	1.0	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: P1202000
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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	34°	35°	45°	55°	65°	75°	85°
0°	742.3	742.3	742.3	742.3	742.3	*742.3*	742.3	742.3	742.3	742.3	742.3
2.5°	709.3	715.3	716.5	718.3	718.3	*720.6*	724.3	729.6	738.2	742.7	745.7
5°	653.8	658.3	663.9	668.4	677.0	*678.2*	692.8	707.1	727.0	742.0	752.5
7.5°	597.9	603.1	610.6	621.5	632.8	*636.1*	658.3	682.3	713.8	742.0	759.6
10°	558.5	558.8	565.6	576.5	594.5	*598.6*	625.6	659.8	699.2	737.5	766.4
12.5°	536.3	538.9	541.9	550.2	567.5	*570.1*	599.0	639.1	684.6	734.8	774.3
15°	536.3	538.2	540.1	544.2	558.1	*560.3*	585.8	626.0	677.0	736.0	787.0
17.5°	541.9	544.9	543.4	548.3	563.0	*564.5*	587.0	622.3	676.7	743.1	806.5
20°	555.4	557.7	554.7	557.7	572.3	*575.3*	598.6	629.4	683.1	755.5	830.9
22.5°	576.8	578.0	570.8	573.1	588.1	*591.9*	618.9	649.6	698.4	775.4	863.6
25°	603.9	606.1	595.2	597.9	612.1	*616.6*	647.8	680.0	722.8	802.8	905.2
27.5°	635.0	636.1	626.8	626.4	644.8	*651.2*	682.7	717.6	755.5	837.3	957.8
30°	670.7	674.0	665.0	663.5	686.8	*692.1*	723.2	763.7	803.5	889.1	1032.5
32.5°	698.8	701.4	696.2	699.9	723.6	*727.7*	772.4	829.0	879.0	962.7	1134.2
35°	739.3	740.8	728.8	735.6	762.6	*773.1*	839.6	920.6	973.9	1055.0	1267.0
37.5°	886.1	886.1	835.0	801.6	827.5	*836.9*	931.5	1035.8	1091.0	1178.8	1434.4
40°	1089.1	1085.8	1011.1	942.8	939.4	*957.8*	1062.5	1181.1	1242.3	1327.4	1622.8
42.5°	1305.7	1300.4	1198.7	1131.2	1119.9	*1126.3*	1213.7	1360.1	1422.4	1508.7	1825.5
45°	1497.8	1496.3	1403.3	1312.4	1292.2	*1312.4*	1402.5	1569.5	1614.2	1705.0	2027.8
47.5°	1658.8	1658.8	1590.9	1531.6	1521.1	*1533.1*	1658.1	1801.8	1797.7	1914.0	2224.8
50°	1844.2	1842.7	1778.2	1752.7	1763.5	*1780.4*	1952.3	2046.5	1987.6	2119.3	2400.8
52.5°	1974.1	1983.1	1961.0	1956.8	2012.4	*2041.6*	2251.1	2286.0	2157.6	2314.1	2532.5
55°	2076.9	2087.4	2113.0	2141.9	2248.8	*2287.1*	2540.4	2513.0	2299.9	2483.0	2608.4
57.5°	2222.5	2207.5	2246.9	2304.0	2477.0	*2523.2*	2820.8	2727.3	2414.3	2620.0	2616.6
60°	2399.3	2401.6	2408.3	2480.4	2704.8	*2764.1*	3097.0	2930.0	2487.9	2704.1	2525.0
62.5°	2611.7	2615.1	2629.0	2739.7	3010.7	*3066.6*	3391.2	3095.9	2521.7	2680.4	2288.6
65°	2597.1	2611.4	2766.4	3145.0	3475.7	*3530.9*	3734.6	3212.2	2470.6	2464.2	1863.4
67.5°	2365.9	2389.2	2648.5	3629.2	4176.7	*4238.3*	4149.7	3235.1	2250.3	1916.3	1215.6
70°	2062.7	2070.9	2382.8	4064.5	4988.5	*5050.8*	4521.3	2983.3	1707.6	1068.9	544.6
72.5°	*1610.8*	*1612.7*	*1978.6*	*4165.5*	*5429.1*	*5432.5*	*4229.7*	*2214.7*	*918.4*	*410.6*	*189.2*
75°	1150.7	1139.4	1325.2	3378.1	4776.5	*4814.8*	3170.9	1038.8	350.9	194.0	94.2
77.5°	617.0	629.4	749.9	2003.4	3299.7	*3365.0*	1730.1	299.5	178.6	132.1	62.3
80°	190.7	201.2	307.4	917.2	1869.0	*1908.4*	641.4	133.2	124.6	94.2	40.9
82.5°	60.0	62.3	143.4	385.4	775.8	*793.8*	185.8	75.4	85.2	62.3	24.0
85°	17.3	17.6	63.8	143.7	191.8	*195.5*	52.2	29.3	48.8	38.7	12.4
87.5°	1.9	6.0	24.0	24.0	16.9	*16.5*	5.6	6.4	13.9	4.9	2.3
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: P1202000
CATALOG NUMBER: GWC-SB1C-830-U-T4FT-HSS

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	742.3	742.3	742.3	742.3	742.3	742.3	742.3	742.3	742.3	742.3	742.3
2.5°	743.9	744.2	739.3	731.1	722.1	714.6	705.2	697.7	692.4	690.9	693.6
5°	749.1	746.5	732.6	707.4	677.4	651.5	622.6	599.7	584.7	578.3	580.6
7.5°	757.0	749.5	719.1	669.5	612.1	561.1	509.3	469.1	443.6	430.8	432.7
10°	763.7	748.7	696.6	614.7	526.9	449.6	379.8	331.4	304.4	291.6	292.0
12.5°	770.1	748.4	667.3	549.8	430.8	336.3	271.3	247.3	239.8	237.2	236.4
15°	782.1	749.5	630.5	475.5	335.1	254.1	230.4	230.1	231.6	230.8	230.4
17.5°	798.6	750.6	588.9	396.7	258.6	224.1	222.9	226.3	228.6	227.4	227.1
20°	820.0	755.1	544.6	318.6	222.2	216.5	219.2	222.2	224.1	222.2	221.8
22.5°	850.1	763.0	496.2	256.0	210.5	212.0	214.3	217.7	219.6	216.9	216.5
25°	886.8	775.4	448.5	222.6	204.9	206.8	210.2	213.9	216.2	213.5	213.2
27.5°	934.5	795.3	404.6	215.0	199.3	200.4	205.3	210.9	213.9	210.5	210.5
30°	1003.6	827.9	366.7	218.4	195.9	193.3	200.0	207.9	211.3	208.3	207.9
32.5°	1095.1	874.1	343.4	223.7	194.4	185.0	191.4	201.5	207.2	205.3	205.3
35°	1215.2	944.3	334.4	229.7	193.3	176.4	180.9	191.8	201.5	203.4	203.4
37.5°	1360.8	1041.8	337.0	232.3	189.9	169.3	171.5	180.9	193.7	199.7	201.2
40°	1526.4	1155.6	352.0	229.7	186.2	163.3	163.6	170.8	182.0	191.0	194.0
42.5°	1697.1	1288.4	379.8	219.9	182.8	158.0	156.9	161.8	169.3	175.6	178.3
45°	1859.6	1425.0	407.2	206.4	178.6	152.7	150.1	152.0	153.5	156.1	157.6
47.5°	2001.5	1521.1	399.3	194.0	173.0	146.7	142.2	141.5	137.0	136.6	136.2
50°	2099.4	1542.1	354.7	181.6	164.8	140.0	132.9	128.4	120.5	116.7	117.1
52.5°	2130.6	1459.2	289.7	169.3	151.2	131.0	120.8	113.7	104.0	100.6	100.2
55°	2089.3	1296.7	231.6	154.2	132.5	119.0	107.7	98.3	90.4	86.3	86.3
57.5°	1988.4	1089.9	183.1	136.6	112.6	105.5	94.2	84.8	78.1	73.9	73.2
60°	1821.0	865.4	144.9	115.6	96.1	90.8	79.2	73.2	67.2	62.3	61.2
62.5°	1566.9	617.7	113.7	91.6	80.3	74.3	67.6	63.1	55.9	49.2	48.0
65°	1222.7	377.9	87.8	67.2	64.6	61.5	57.4	53.3	44.7	37.9	36.8
67.5°	771.2	179.0	62.7	50.7	51.0	49.5	47.7	44.3	37.9	31.9	31.2
70°	339.6	86.7	41.3	38.7	37.9	37.9	39.4	38.3	32.3	26.6	25.5
72.5°	*115.6*	*46.5*	*30.8*	*29.3*	*27.4*	*27.0*	*33.0*	*31.9*	*25.9*	*20.6*	*19.5*
75°	60.4	31.2	22.5	21.0	16.5	19.9	26.3	24.8	18.4	13.5	12.4
77.5°	39.4	22.1	15.4	13.5	9.4	13.1	19.5	17.3	10.9	6.8	6.0
80°	24.8	14.6	9.0	6.4	4.5	7.1	10.5	7.5	4.1	1.5	1.1
82.5°	13.1	7.5	3.4	2.3	1.9	2.3	2.6	1.9	0.8	0.0	0.0
85°	5.3	2.6	1.1	0.8	0.4	0.0	0.8	0.4	0.0	0.0	0.0
87.5°	1.9	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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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

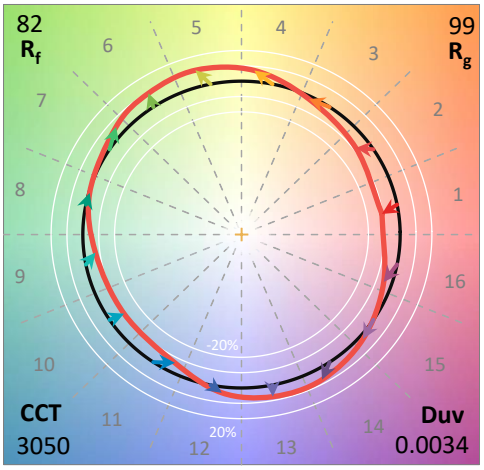
Test Information

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

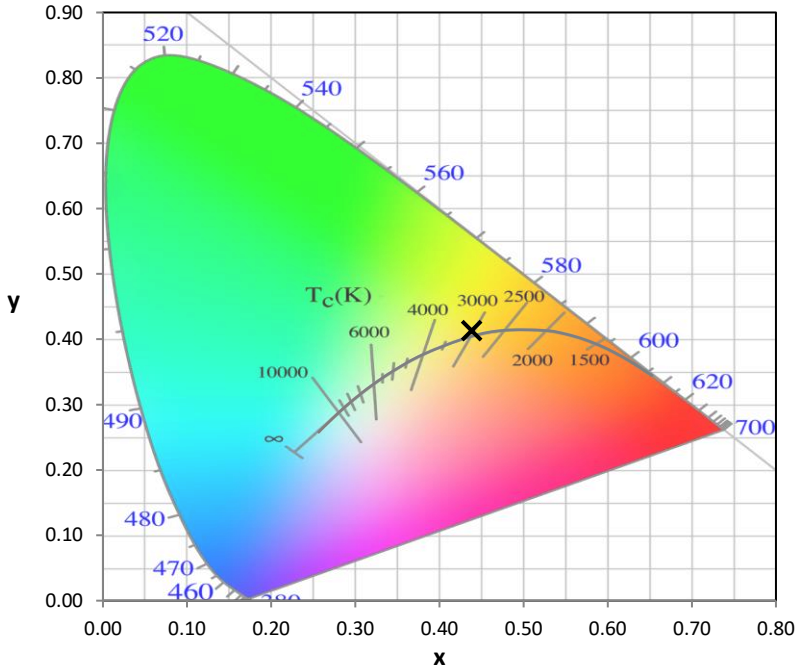
Stabilization Time:	20M
Operation Time:	1H 20M
Sphere Temperature (°C):	24.2

REPORT NUMBER: SP1-2408-195-9

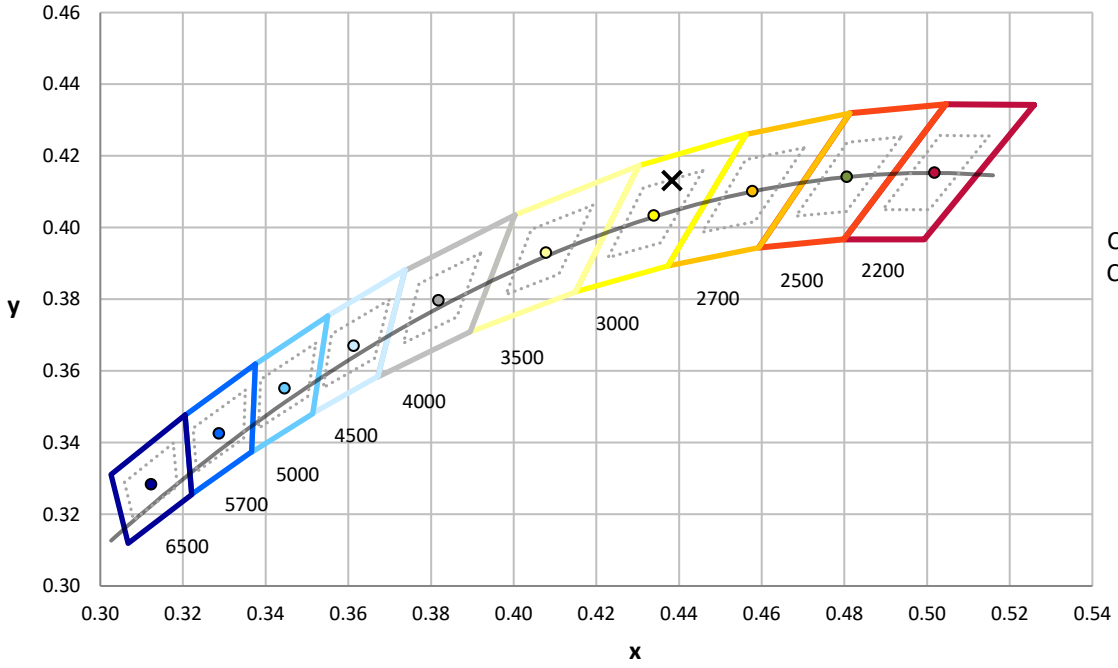
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

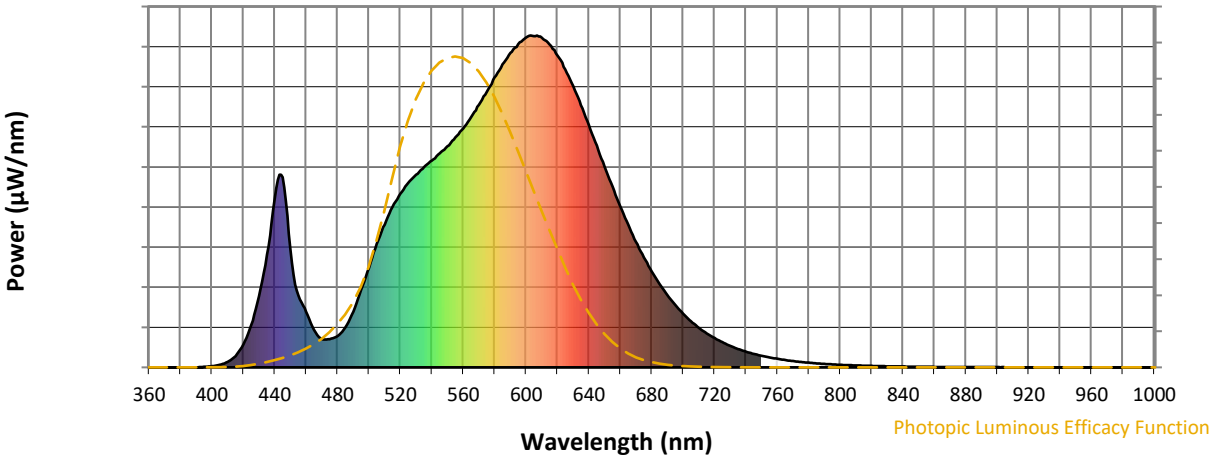


CCT = 3050K
CIE x = 0.4383
CIE y = 0.4131
Duv = 0.0034

Point lies inside the ANSI 3000K 4-step quadrangle

REPORT NUMBER: SP1-2408-195-9

Photopic Flux vs. Wavelength

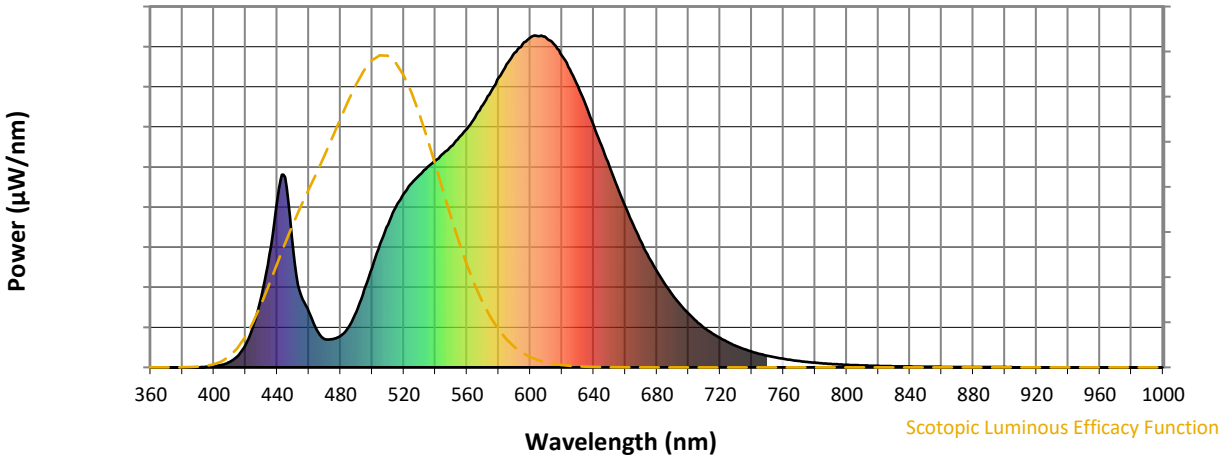


Photopic Lumens: NR

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

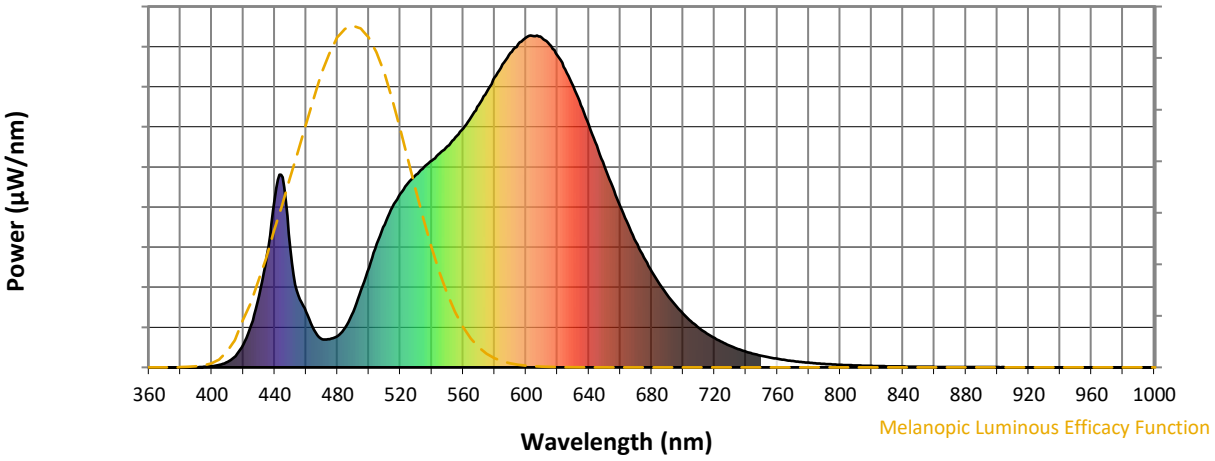


Scotopic Lumens: NR **S/P: 1.27**

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			

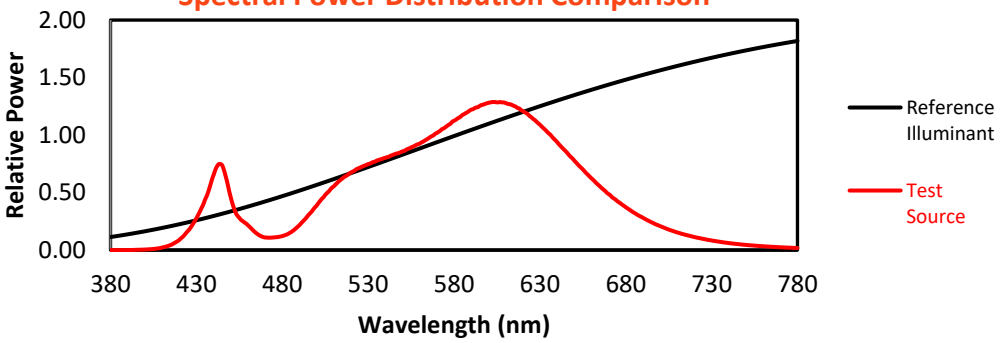
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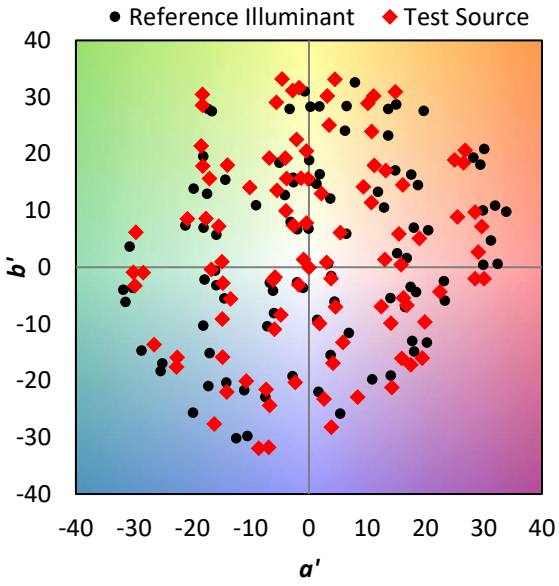
Summary

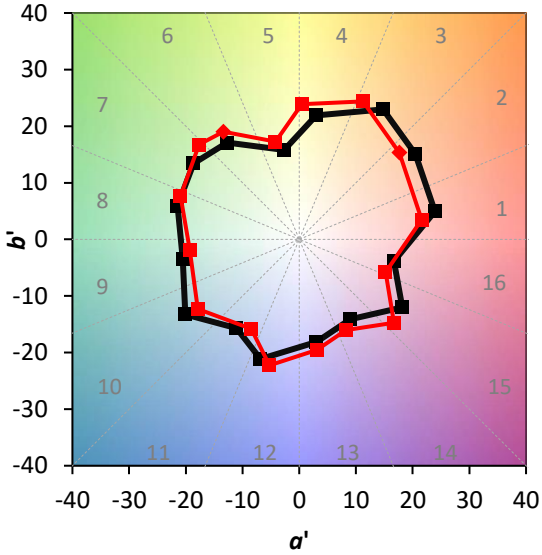
R_f = 81.5
R_g = 99.2
CIE R_a = 81.0
R_9 = 7.1

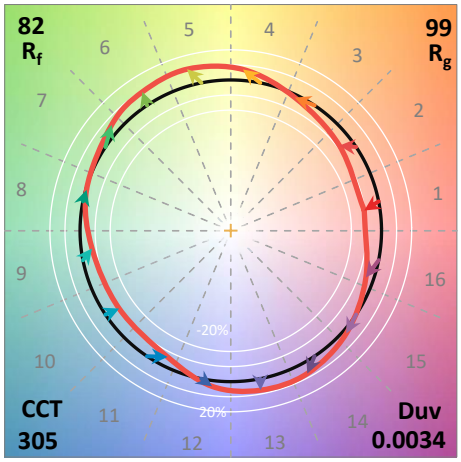
Spectral Power Distribution Comparison

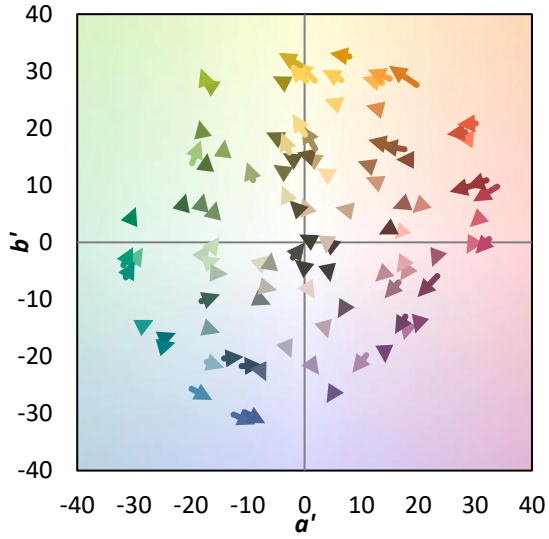


Color Vector Graphics







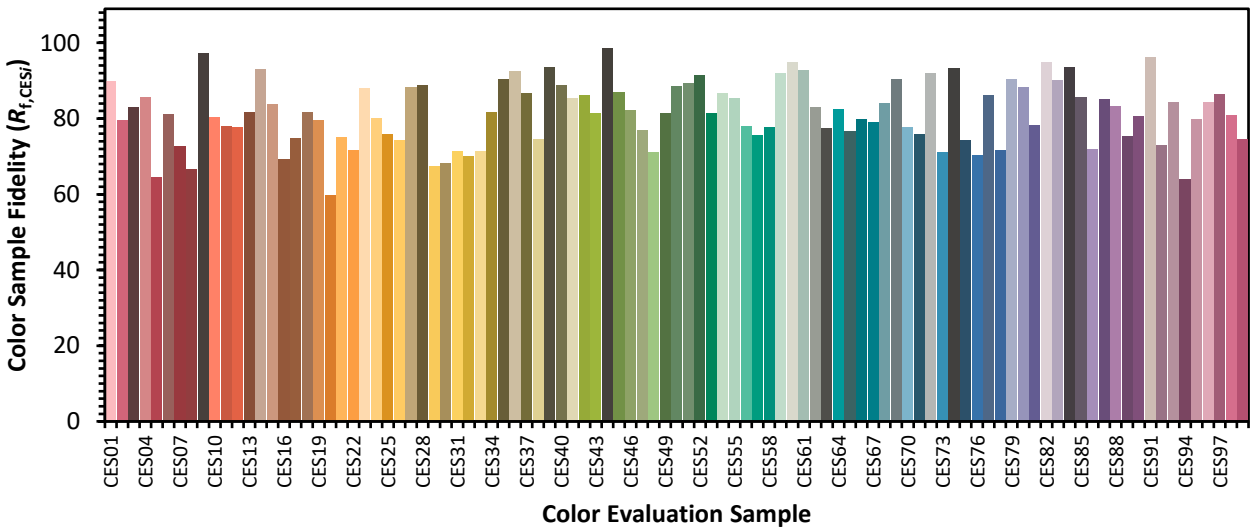


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Individual Sample Fidelity Index ($R_{f,i}$)

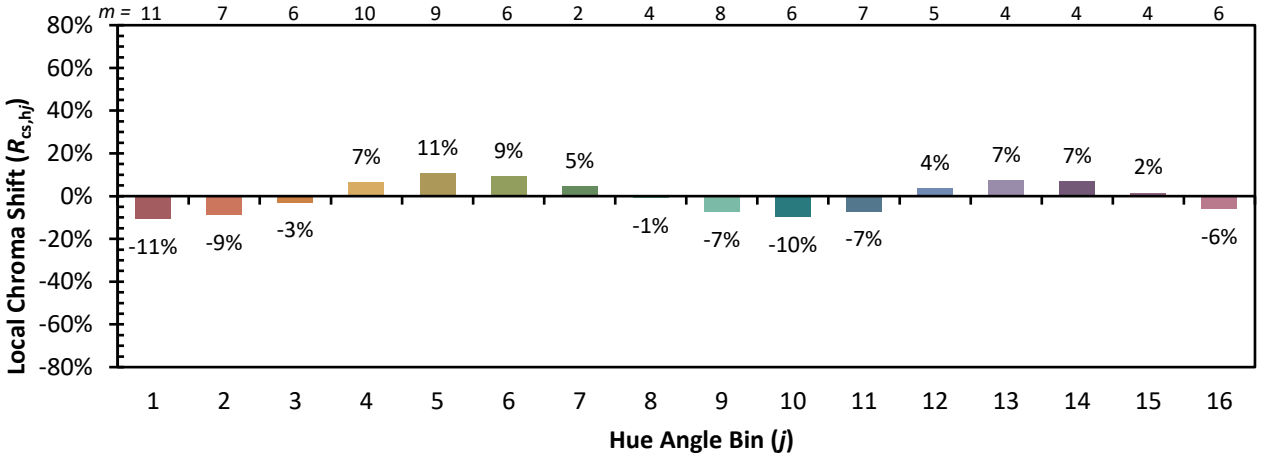
CES01 = 86	CES26 = 74	CES51 = 89	CES76 = 70
CES02 = 63	CES27 = 88	CES52 = 92	CES77 = 86
CES03 = 31	CES28 = 89	CES53 = 81	CES78 = 72
CES04 = 70	CES29 = 67	CES54 = 87	CES79 = 90
CES05 = 50	CES30 = 68	CES55 = 85	CES80 = 88
CES06 = 51	CES31 = 71	CES56 = 78	CES81 = 78
CES07 = 42	CES32 = 70	CES57 = 76	CES82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

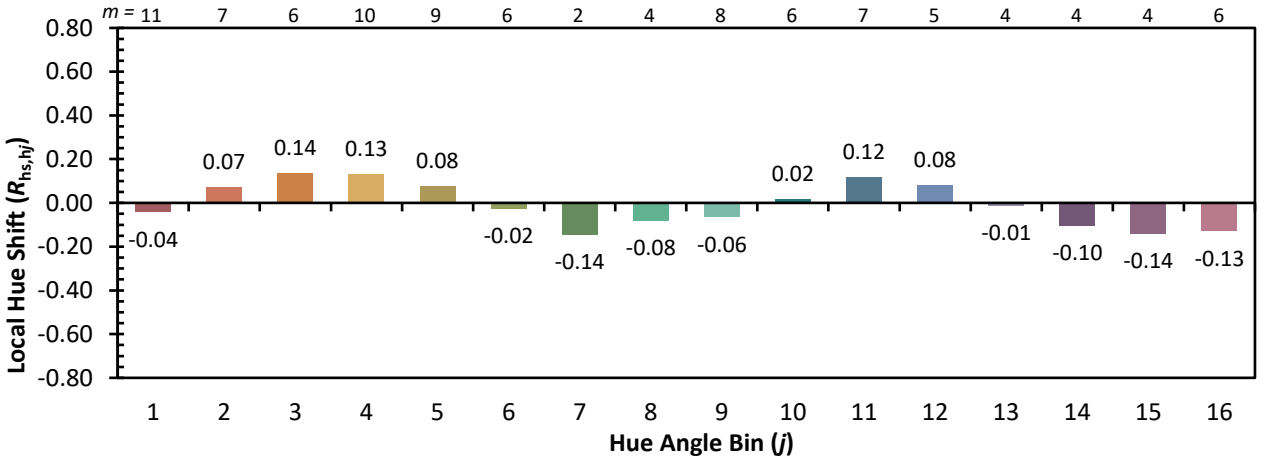


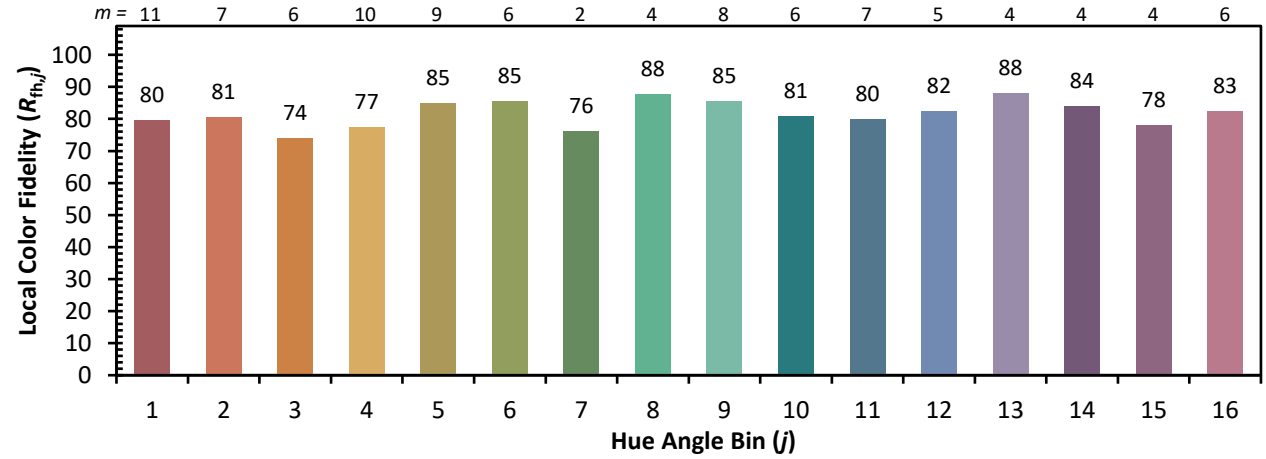
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Color Rendition by Hue-Angle Bin



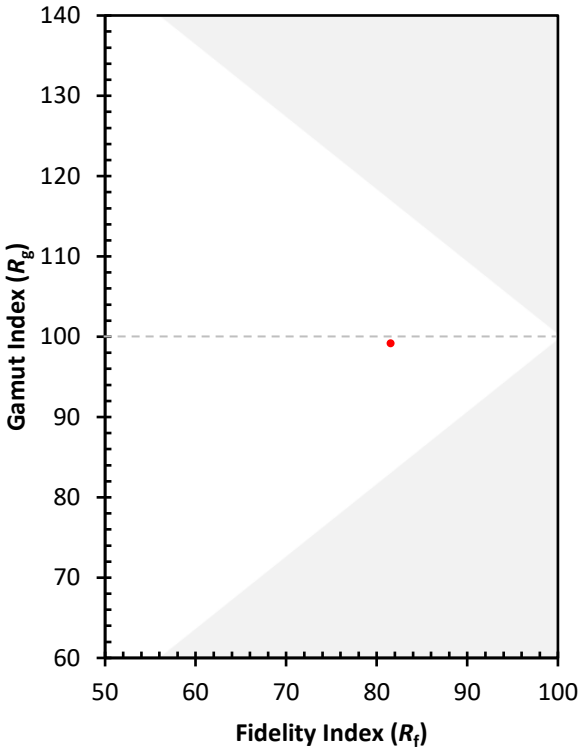


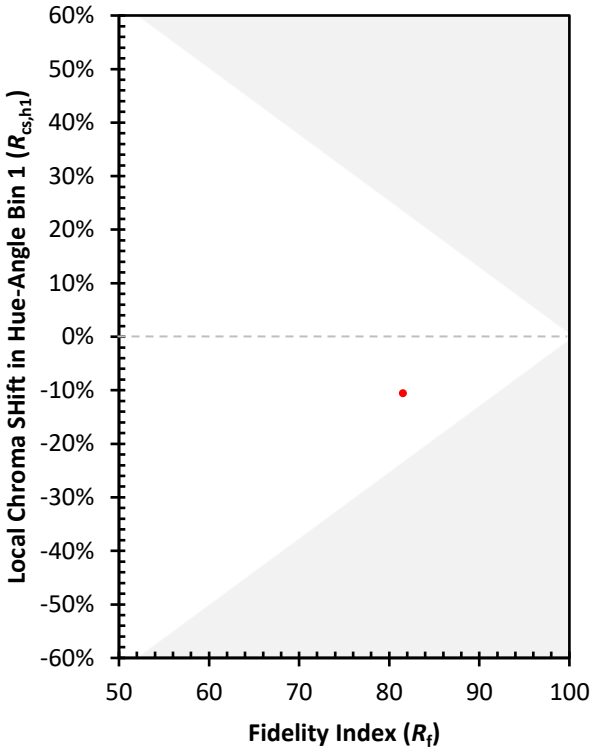


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Measure Comparisons





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