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: P1202736

Luminaire Tested: GWC-SB2A-830-U-SL3-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:	P1202736
	TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-13)
Test Lab:	INNOVATION CENTER
Issue Date:	3/14/2026
Manufacturer:	COOPER LIGHTING SOLUTIONS
Product Line:	McGRAW-EDISON
Catalog Number:	GWC-SB2A-830-U-SL3-HSS
Description:	GALLEON WALL LUMINAIRE
	(2) 80 CRI, 3000K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE III SPILL LIGHT ELIMINATOR OPTICS WITH HOUSE SIDE SHIELD
Light Source:	-
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	6490 lumens
Efficiency:	N/A
Efficacy:	113.3 lumens/watt
Luminous Opening:	Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification:	Type III - Medium
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

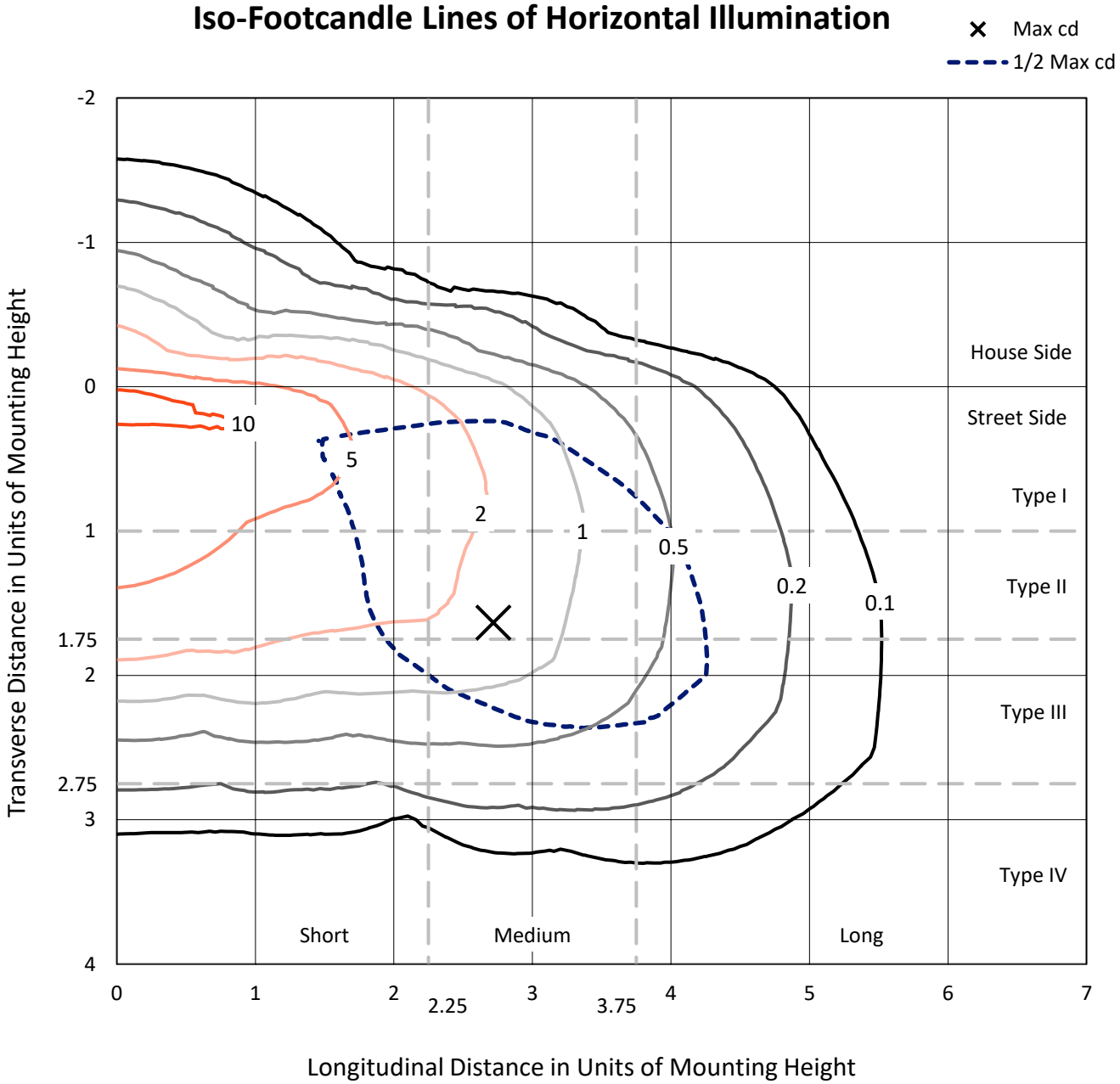


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Scaled Data Report

REPORT NUMBER: P1202736
CATALOG NUMBER: GWC-SB2A-830-U-SL3-HSS

Iso-Footcandle Lines of Horizontal Illumination



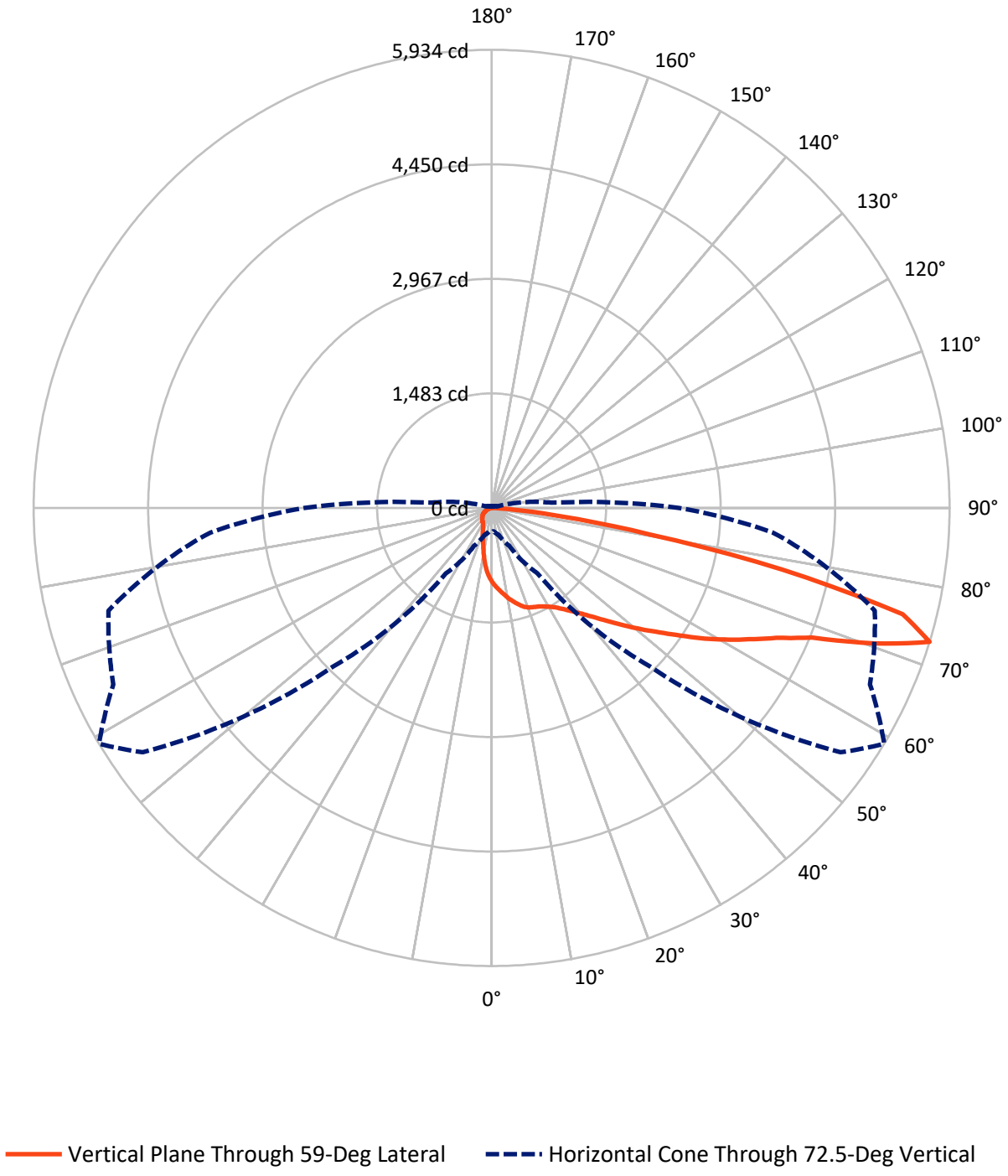
Based on 10 foot mounting height. Maximum calculated value = 16.2 fc
Type III - Medium - N/A

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REPORT NUMBER: P1202736
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Luminous Intensity Polar Plot



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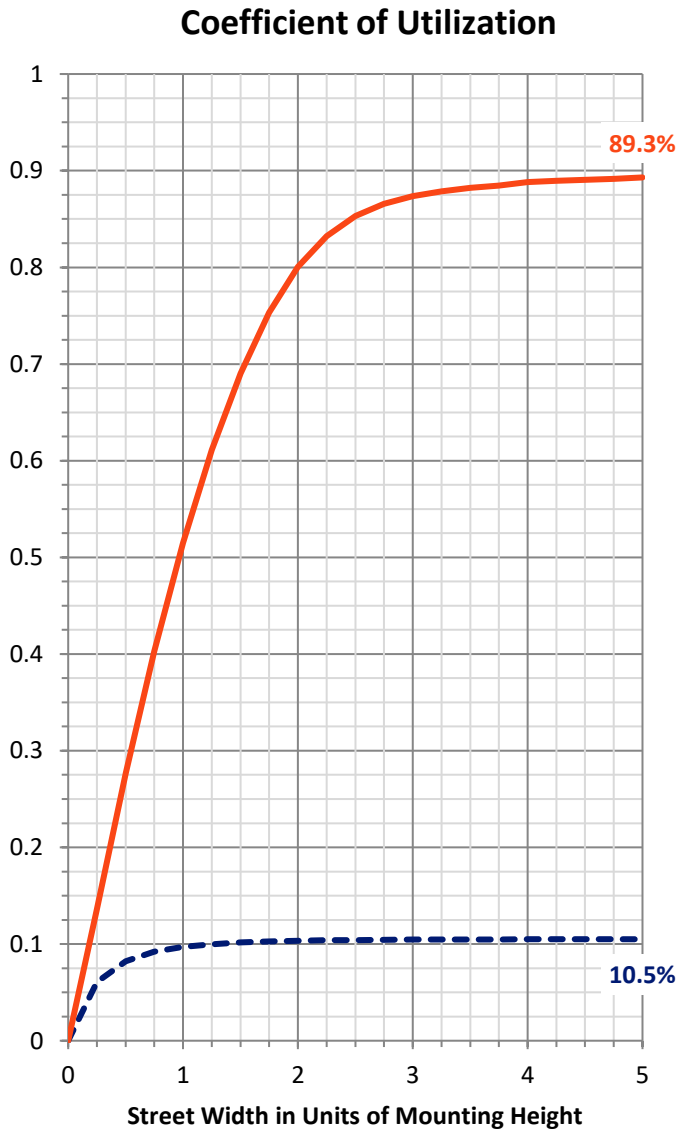
REPORT NUMBER: P1202736
CATALOG NUMBER: GWC-SB2A-830-U-SL3-HSS

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	685.5	0.0	685.5
	% Fixture	10.6	0.0	10.6
Street Side	Lumens	5804.5	0.0	5804.5
	% Fixture	89.4	0.0	89.4
Total	Lumens	6490.0	0.0	6490.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	86.8	1.3
10°-20°	230.6	3.6
20°-30°	365.5	5.6
30°-40°	586.6	9.0
40°-50°	936.9	14.4
50°-60°	1356.5	20.9
60°-70°	1609.8	24.8
70°-80°	1195.1	18.4
80°-90°	122.2	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°	6490.0	100.0
0°-180°	6490.0	100.0



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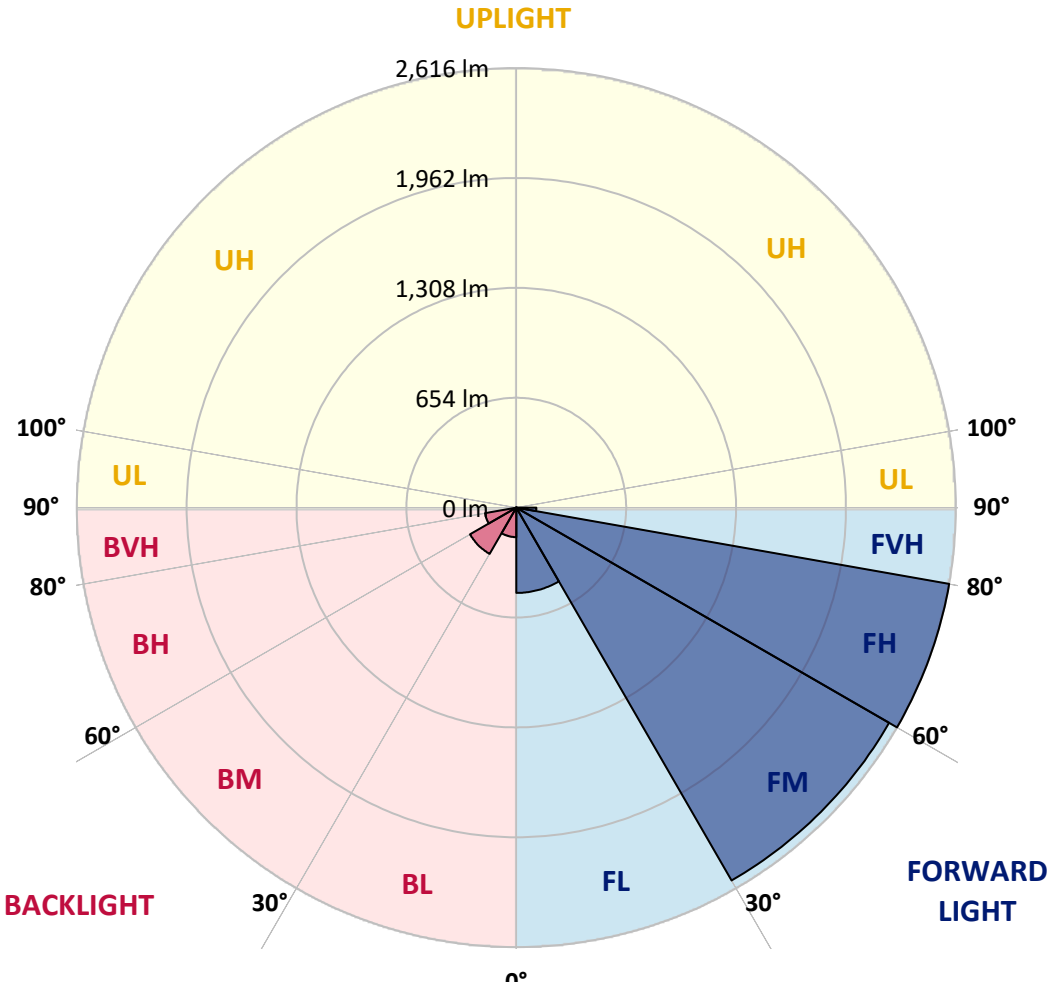
Scaled Data Report

REPORT NUMBER: P1202736
CATALOG NUMBER: GWC-SB2A-830-U-SL3-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	507.4	7.8			
FM	(30°-60°)	2562.2	39.5			
FH	(60°-80°)	2615.8	40.3			G2/5000
FVH	(80°-90°)	119.1	1.8			G2/225
BL	(0°-30°)	175.6	2.7	B1/500		
BM	(30°-60°)	317.8	4.9	B1/1000		
BH	(60°-80°)	189.0	2.9	B1/500		G1/500
BVH	(80°-90°)	3.0	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 III Medium



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REPORT NUMBER: P1202736
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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	59°	65°	75°	85°
0°	959.7	959.7	959.7	959.7	959.7	959.7	959.7	*959.7*	959.7	959.7	959.7
2.5°	1064.8	1058.9	1059.7	1049.5	1042.3	1034.7	1019.9	*1017.8*	1007.2	988.5	969.5
5°	1157.6	1153.8	1150.4	1138.9	1124.1	1105.5	1080.5	*1071.6*	1052.1	1019.9	982.6
7.5°	1225.4	1220.7	1222.4	1211.0	1199.1	1178.4	1144.0	*1127.5*	1101.7	1052.5	996.2
10°	1238.5	1236.0	1247.0	1251.2	1251.2	1238.1	1204.6	*1188.1*	1150.4	1087.7	1010.1
12.5°	1164.8	1165.2	1192.8	1225.8	1269.0	1281.3	1258.9	*1241.1*	1203.8	1125.0	1027.9
15°	1078.8	1079.2	1105.9	1148.3	1219.0	1289.8	1307.6	*1296.1*	1257.6	1165.2	1048.7
17.5°	1027.1	1025.0	1042.8	1077.5	1151.7	1251.2	1337.2	*1344.9*	1313.5	1209.7	1071.6
20°	1019.9	1016.1	1025.4	1042.8	1095.7	1202.9	1340.6	*1376.7*	1371.1	1260.1	1097.8
22.5°	1064.0	1058.0	1052.9	1053.8	1076.2	1162.7	1332.2	*1394.4*	1430.5	1320.7	1133.9
25°	1151.2	1141.9	1125.4	1104.2	1099.5	1154.2	1326.2	*1413.9*	1485.5	1398.3	1181.3
27.5°	1258.0	1244.9	1213.1	1181.3	1154.2	1177.9	1338.5	*1444.9*	1547.8	1488.5	1236.4
30°	1375.4	1359.3	1327.5	1267.3	1224.1	1230.9	1367.8	*1485.5*	1627.5	1590.6	1305.5
32.5°	1547.8	1510.5	1455.0	1363.1	1305.9	1288.1	1411.8	*1537.2*	1726.2	1726.6	1405.5
35°	1695.7	1674.9	1619.0	1504.6	1387.2	1363.9	1469.9	*1610.1*	1863.1	1906.7	1545.3
37.5°	1792.7	1764.4	1715.2	1629.2	1513.5	1441.9	1547.4	*1699.5*	2008.0	2111.8	1717.7
40°	1901.2	1873.2	1808.0	1727.1	1660.1	1575.8	1645.3	*1802.5*	2166.9	2322.4	1914.8
42.5°	2032.1	1995.7	1918.6	1831.3	1761.4	1752.1	1773.3	*1930.9*	2330.0	2551.2	2119.9
45°	2186.0	2151.6	2063.1	1952.9	1891.5	1874.9	1934.3	*2080.4*	2511.8	2802.0	2327.0
47.5°	2330.0	2290.2	2194.8	2094.4	2026.2	1974.1	2105.4	*2257.1*	2717.7	3064.3	2522.8
50°	2452.5	2411.8	2324.5	2217.3	2171.1	2102.9	2273.7	*2454.2*	2921.9	3330.8	2701.6
52.5°	2536.4	2500.3	2397.8	2324.9	2293.6	2259.3	2470.7	*2663.1*	3125.3	3574.9	2878.3
55°	2517.3	2485.1	2394.8	2389.8	2387.6	2423.7	2706.3	*2899.9*	3332.5	3805.8	3054.1
57.5°	2456.7	2420.3	2307.6	2385.1	2460.1	2570.3	2961.4	*3180.0*	3559.6	4023.6	3223.6
60°	2278.3	2265.6	2197.0	2376.2	2490.6	2713.9	3252.9	*3461.3*	3805.4	4215.1	3374.0
62.5°	1900.8	1911.8	1911.4	2394.8	2545.7	2877.5	3517.7	*3746.1*	4045.6	4399.4	3507.9
65°	1423.3	1461.4	1510.1	2227.1	2619.4	3169.4	3834.2	*4055.0*	4289.7	4613.8	3644.0
67.5°	956.3	986.8	1019.9	1827.1	2399.9	3476.2	4360.0	*4478.3*	4582.1	4851.5	3796.9
70°	547.4	557.2	603.4	1141.1	1849.9	3391.4	5216.4	*5259.2*	5018.1	5144.3	3908.4
72.5°	*306.8*	*303.4*	*364.4*	*541.5*	*1033.9*	*2904.1*	*5516.4*	*5933.7*	*5408.3*	*5139.7*	*3659.6*
75°	205.1	205.5	250.8	341.5	403.0	2033.0	4753.7	*5502.0*	5174.4	4557.5	2990.2
77.5°	139.8	144.5	184.3	264.0	186.4	991.9	3144.8	*3854.1*	4189.3	3519.4	2064.3
80°	60.6	61.0	121.6	189.4	125.8	315.7	1630.5	*2064.8*	2627.5	1976.2	817.8
82.5°	31.4	35.6	77.5	122.5	79.2	110.6	770.3	*902.1*	1102.5	580.1	167.8
85°	11.0	13.1	47.9	60.2	39.8	39.4	268.2	*273.3*	233.5	87.3	46.2
87.5°	0.0	2.1	18.6	14.8	5.1	4.7	31.8	*26.7*	21.2	12.3	15.3
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: P1202736
CATALOG NUMBER: GWC-SB2A-830-U-SL3-HSS

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	959.7	959.7	959.7	959.7	959.7	959.7	959.7	959.7	959.7	959.7	959.7
2.5°	960.6	949.1	930.5	907.6	880.9	866.5	845.7	833.0	821.6	822.0	831.3
5°	961.8	942.8	895.3	844.9	789.0	747.9	702.1	669.9	645.3	639.4	648.3
7.5°	965.6	933.4	855.9	772.0	678.8	609.7	546.6	506.8	484.3	478.4	484.3
10°	970.7	923.3	811.4	683.0	567.4	484.3	431.8	406.3	396.2	388.5	393.2
12.5°	975.0	912.7	755.5	591.1	468.2	403.4	363.5	342.4	333.5	328.0	330.9
15°	982.2	898.7	694.9	505.5	401.3	348.3	310.6	294.9	292.4	293.2	294.5
17.5°	989.4	885.1	627.1	438.5	352.1	300.0	277.1	274.6	278.0	281.3	282.6
20°	997.4	865.7	558.5	388.1	306.8	266.5	260.6	262.3	264.0	269.9	271.6
22.5°	1009.3	841.1	498.3	345.3	269.1	250.4	247.5	248.7	250.0	255.9	257.6
25°	1026.2	814.8	449.6	305.9	245.3	237.3	234.3	234.3	236.0	241.5	243.6
27.5°	1044.0	777.5	410.2	269.5	231.3	222.9	217.8	217.8	219.9	226.3	228.8
30°	1064.0	743.6	379.2	242.4	219.5	208.5	201.7	200.0	202.5	210.6	212.7
32.5°	1100.0	721.6	357.2	229.7	208.9	195.3	186.0	181.4	183.9	193.2	195.8
35°	1154.6	716.5	341.9	223.3	198.7	183.5	170.3	163.1	165.2	175.0	178.0
37.5°	1218.6	727.1	327.1	214.8	189.0	172.0	154.7	145.3	148.7	157.6	160.2
40°	1310.6	771.2	315.7	208.5	179.2	158.5	139.0	129.7	135.2	142.8	144.1
42.5°	1421.6	849.6	312.7	202.5	167.4	144.1	124.6	117.8	122.0	129.2	130.5
45°	1559.3	949.5	326.3	194.9	154.2	130.1	113.1	109.3	110.6	117.8	121.2
47.5°	1707.2	1052.1	363.5	188.1	142.8	118.6	104.2	100.8	100.0	106.8	111.0
50°	1856.7	1143.2	407.6	183.0	134.7	109.3	97.5	93.2	91.1	95.3	97.0
52.5°	2004.6	1215.6	436.4	174.6	126.7	100.0	91.5	85.2	81.4	83.5	85.2
55°	2154.6	1279.2	438.1	161.9	119.1	94.1	85.6	78.4	73.7	73.7	74.6
57.5°	2294.8	1335.1	413.1	144.9	108.5	88.6	77.5	71.6	66.5	64.8	65.3
60°	2419.0	1376.7	371.6	125.8	99.1	81.4	69.5	64.8	58.5	55.1	54.2
62.5°	2529.6	1397.0	314.8	106.4	87.7	72.9	61.9	56.8	48.3	44.1	43.6
65°	2623.2	1376.2	255.5	88.1	78.0	63.6	53.0	47.9	38.6	33.5	33.5
67.5°	2716.0	1281.3	193.2	74.2	67.8	53.4	43.6	39.0	32.2	28.0	28.0
70°	2727.9	1081.7	135.2	62.3	56.4	41.1	35.2	32.2	26.3	22.5	22.0
72.5°	*2428.3*	*778.4*	*82.2*	*50.8*	*44.1*	*29.2*	*28.0*	*25.4*	*19.5*	*16.9*	*16.5*
75°	1941.0	477.1	48.3	38.1	29.2	20.8	20.8	18.2	13.1	11.0	11.0
77.5°	1341.5	249.6	28.4	24.6	17.4	12.3	13.6	11.0	6.4	5.1	5.1
80°	537.3	94.9	15.3	11.4	8.1	5.5	4.7	2.5	1.3	0.8	1.3
82.5°	107.2	25.0	5.1	3.0	3.0	1.3	0.0	0.0	0.0	0.0	0.0
85°	27.5	5.5	1.3	0.8	0.8	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	8.5	0.0	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

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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

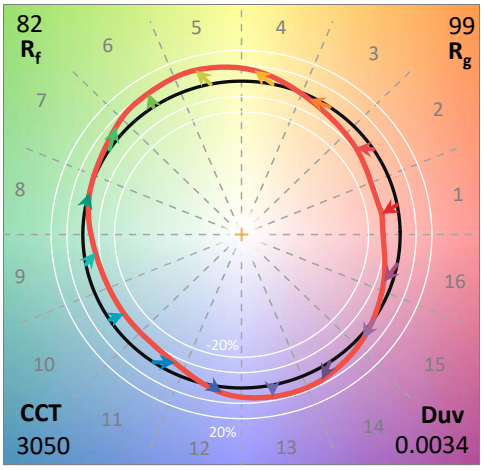
Test Information

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

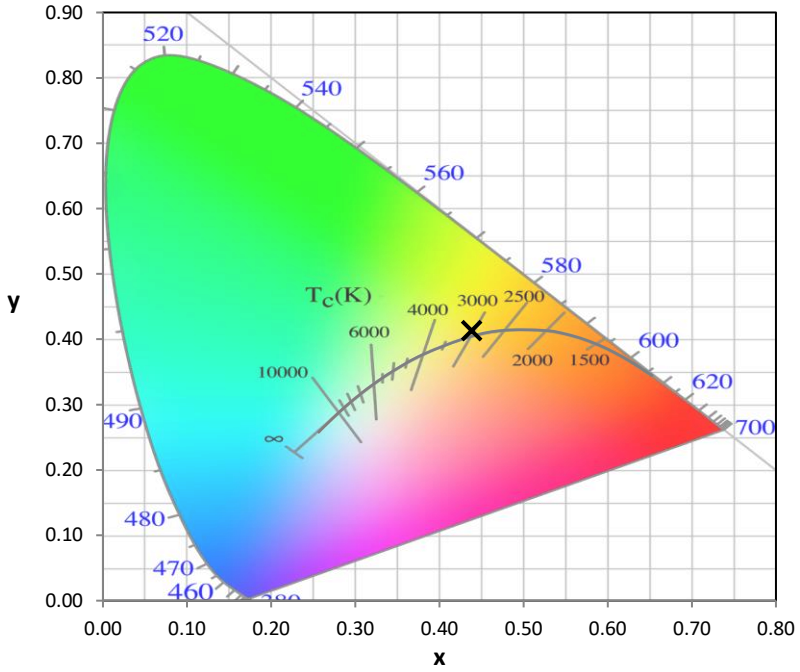
Stabilization Time:	20M
Operation Time:	1H 20M
Sphere Temperature (°C):	24.2

REPORT NUMBER: SP1-2408-195-9

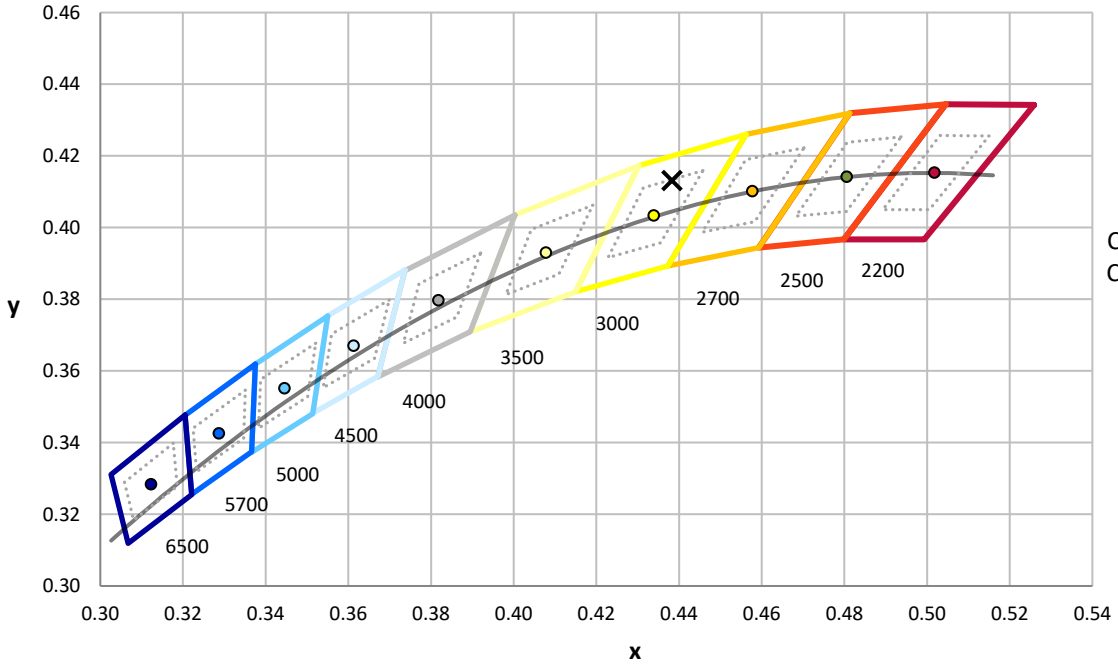
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

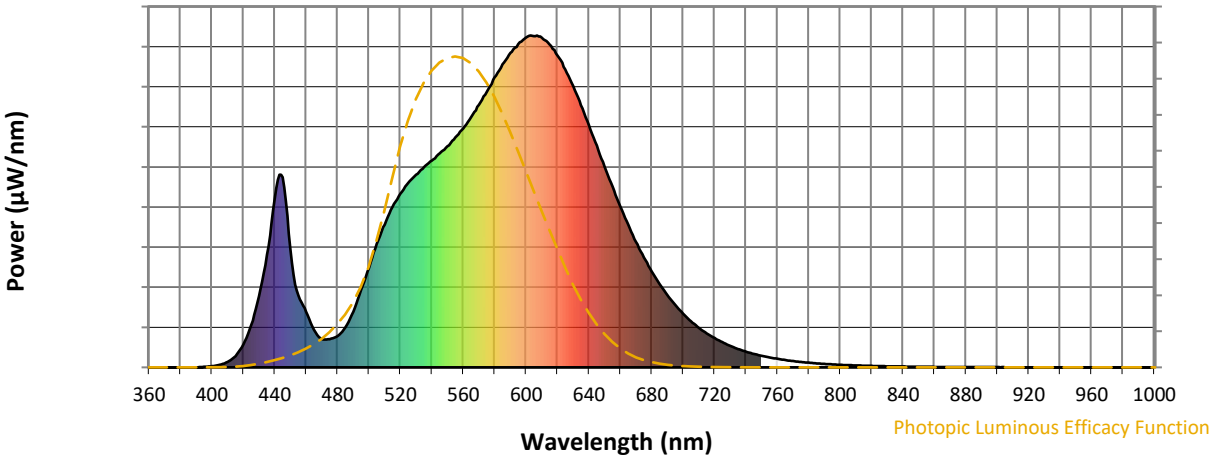


CCT = 3050K
CIE x = 0.4383
CIE y = 0.4131
Duv = 0.0034

Point lies inside the ANSI 3000K 4-step quadrangle

REPORT NUMBER: SP1-2408-195-9

Photopic Flux vs. Wavelength

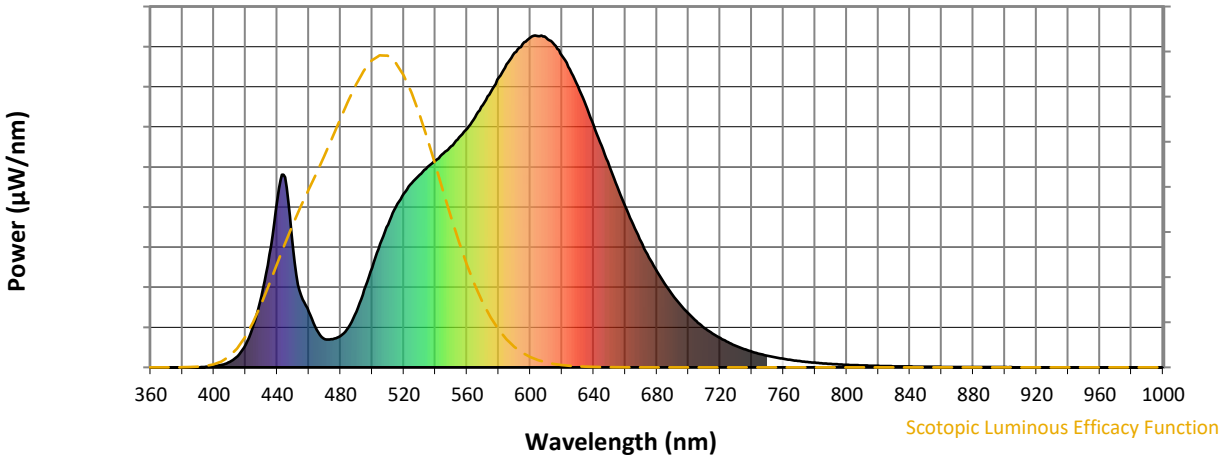


Photopic Lumens: NR

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

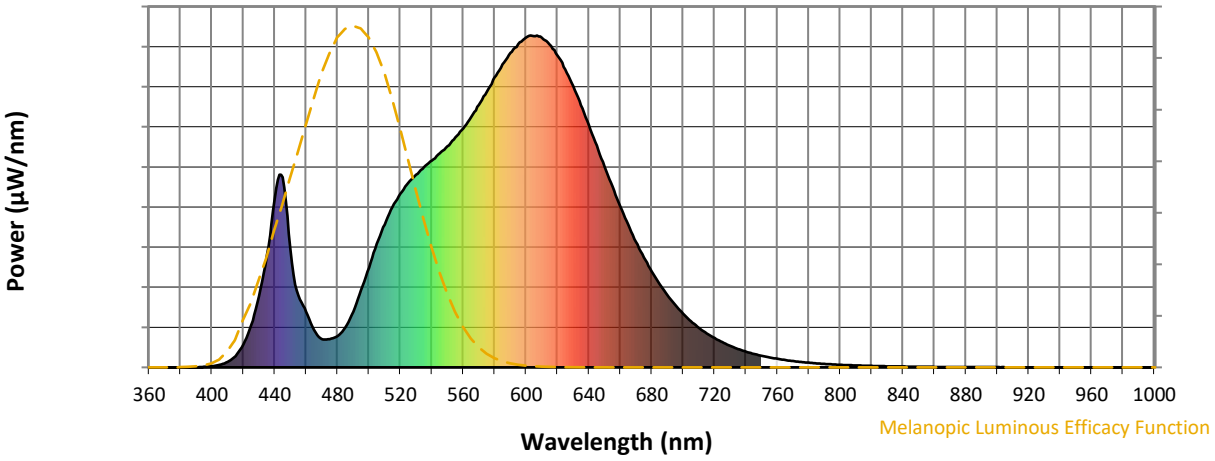


Scotopic Lumens: NR **S/P: 1.27**

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			

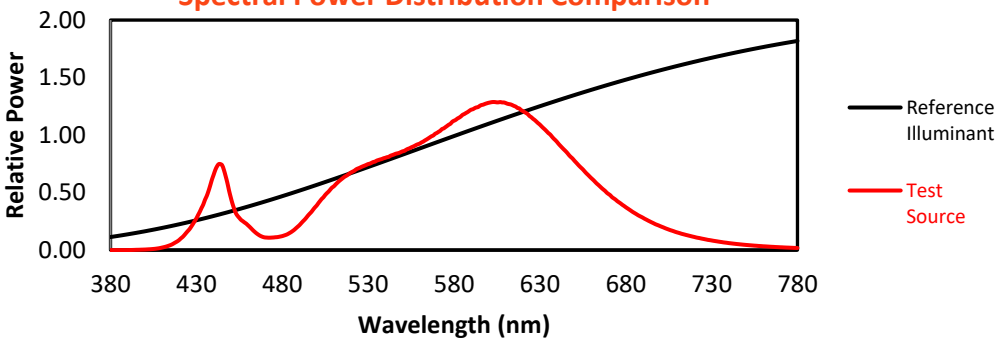
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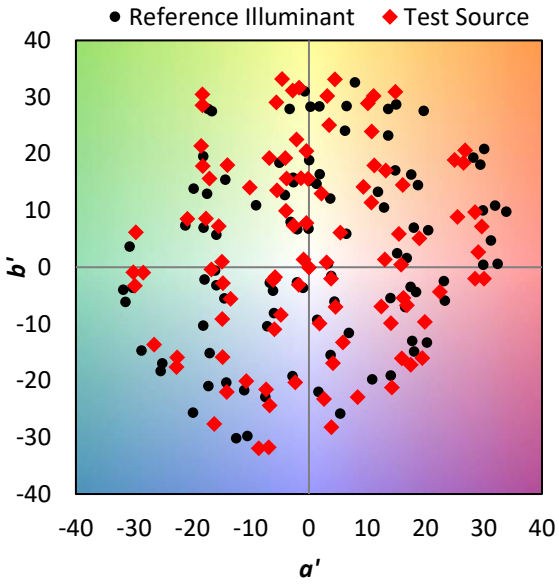
Summary

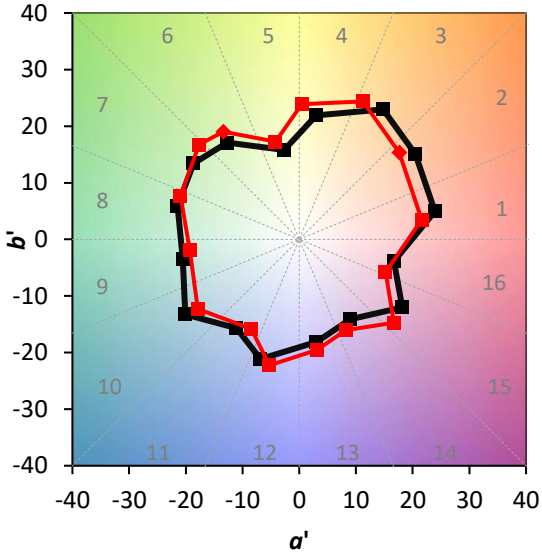
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R_g = 99.2
CIE R_a = 81.0
R_9 = 7.1

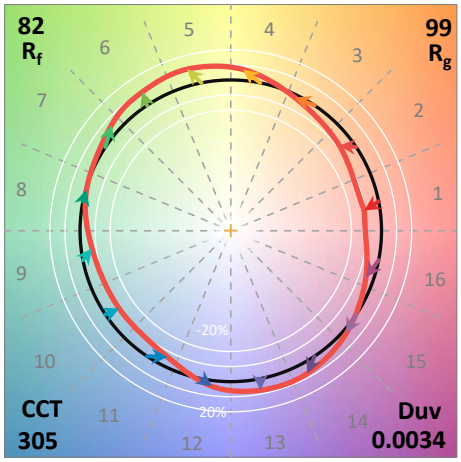
Spectral Power Distribution Comparison

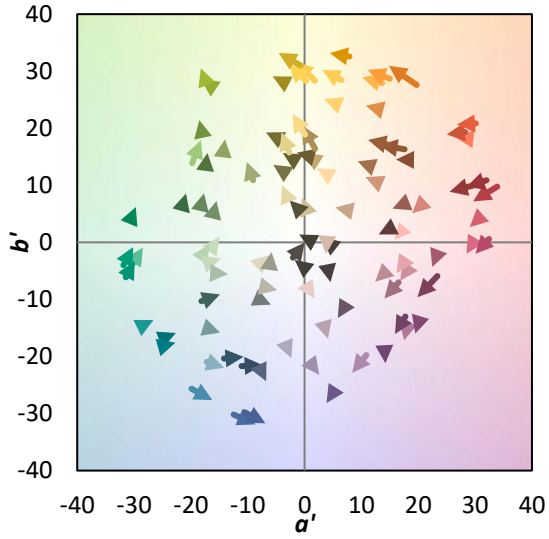


Color Vector Graphics







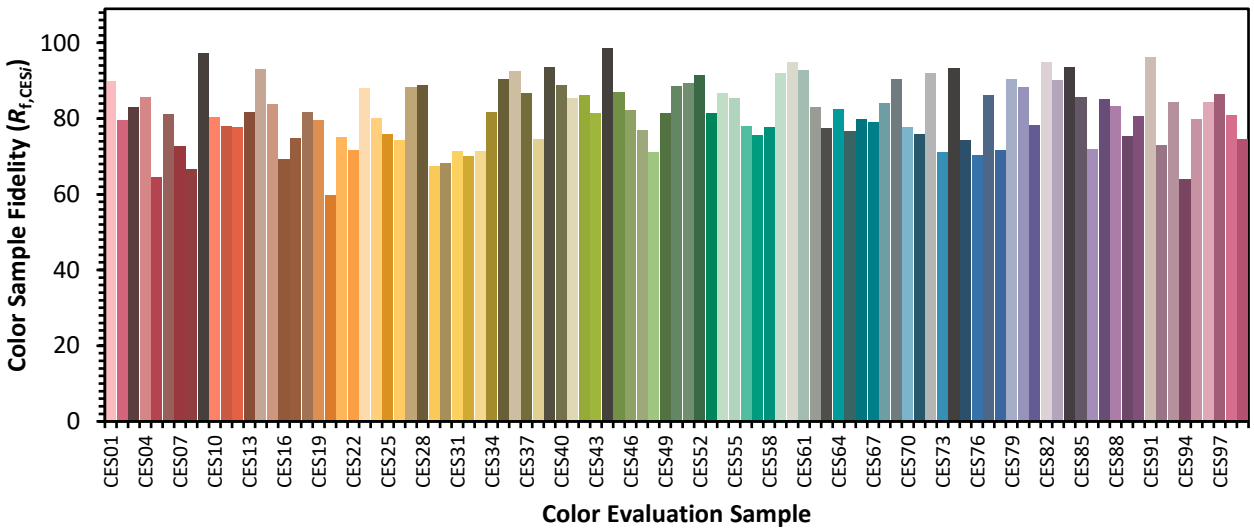


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Individual Sample Fidelity Index ($R_{f,i}$)

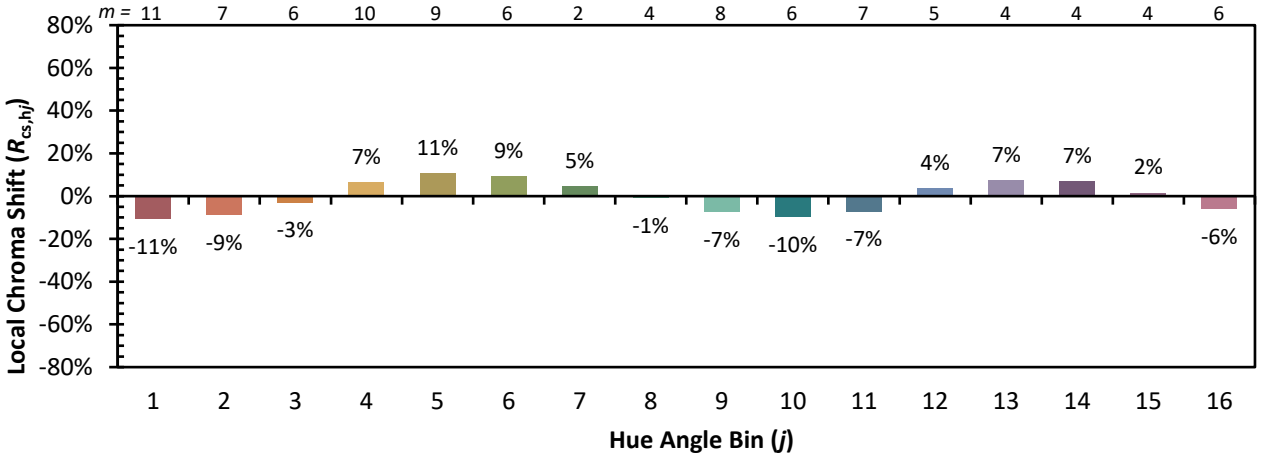
CES01 = 86	CES26 = 74	CES51 = 89	CES76 = 70
CES02 = 63	CES27 = 88	CES52 = 92	CES77 = 86
CES03 = 31	CES28 = 89	CES53 = 81	CES78 = 72
CES04 = 70	CES29 = 67	CES54 = 87	CES79 = 90
CES05 = 50	CES30 = 68	CES55 = 85	CES80 = 88
CES06 = 51	CES31 = 71	CES56 = 78	CES81 = 78
CES07 = 42	CES32 = 70	CES57 = 76	CES82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

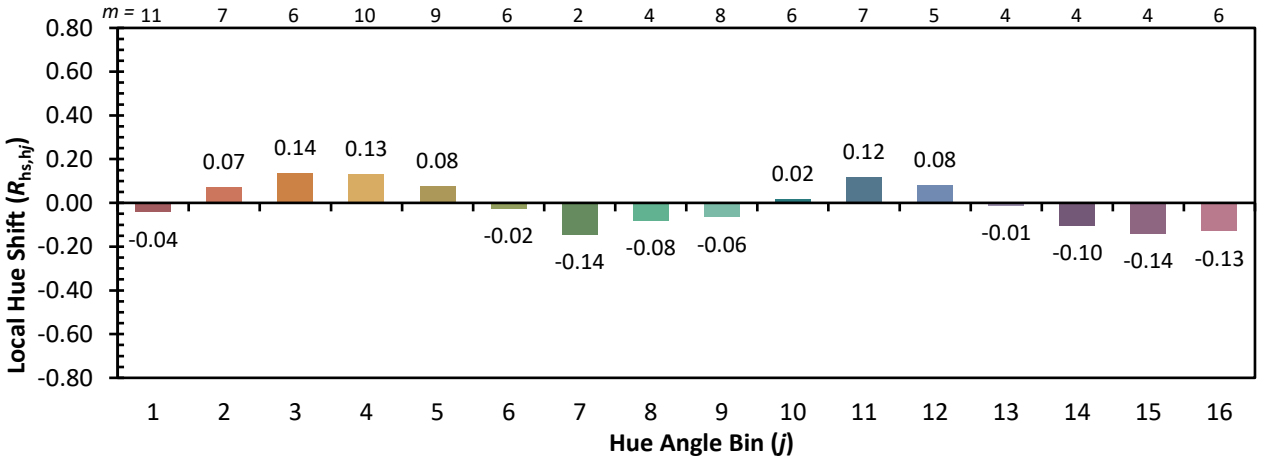


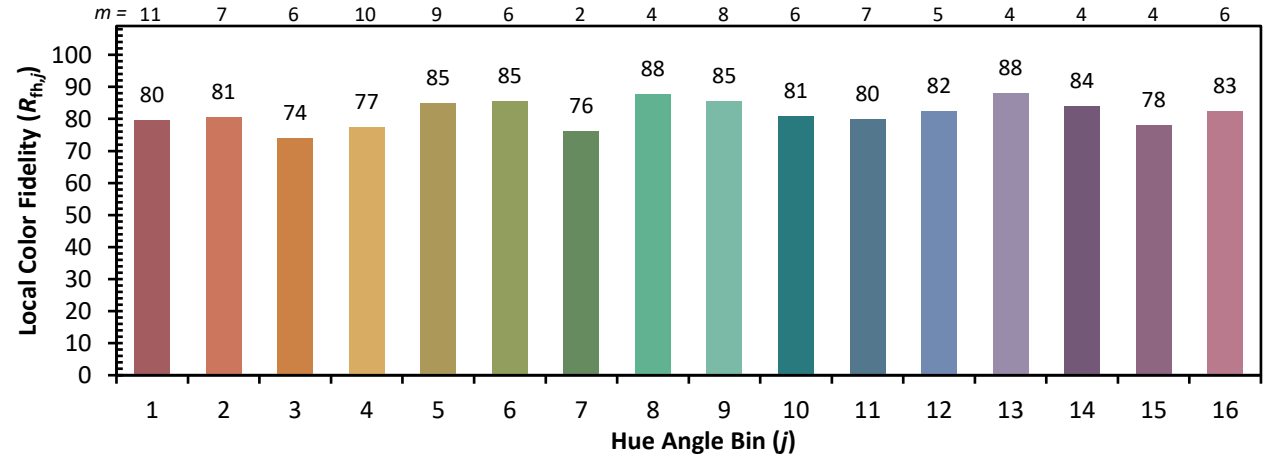
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Color Rendition by Hue-Angle Bin



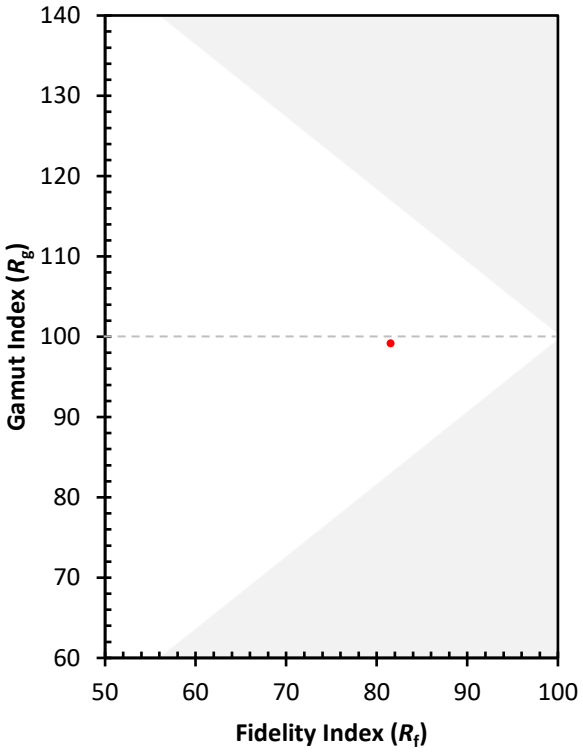


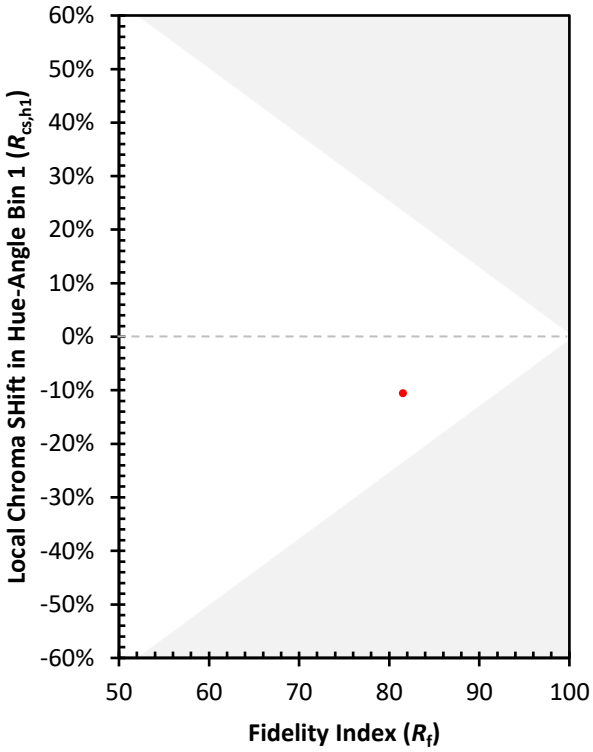


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Measure Comparisons





(END OF REPORT)