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: P1202751

Luminaire Tested: GWC-SB2A-830-U-T4W

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:	P1202751
	TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-1)
Test Lab:	INNOVATION CENTER
Issue Date:	3/14/2026
Manufacturer:	COOPER LIGHTING SOLUTIONS
Product Line:	McGRAW-EDISON
Catalog Number:	GWC-SB2A-830-U-T4W
Description:	GALLEON WALL LUMINAIRE
	(2) 80 CRI, 3000K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE IV WIDE OPTICS
Light Source:	-
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	8043 lumens
Efficiency:	N/A
Efficacy:	140.4 lumens/watt
Luminous Opening:	Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification:	Type IV - Short
BUG Rating:	B2 - 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

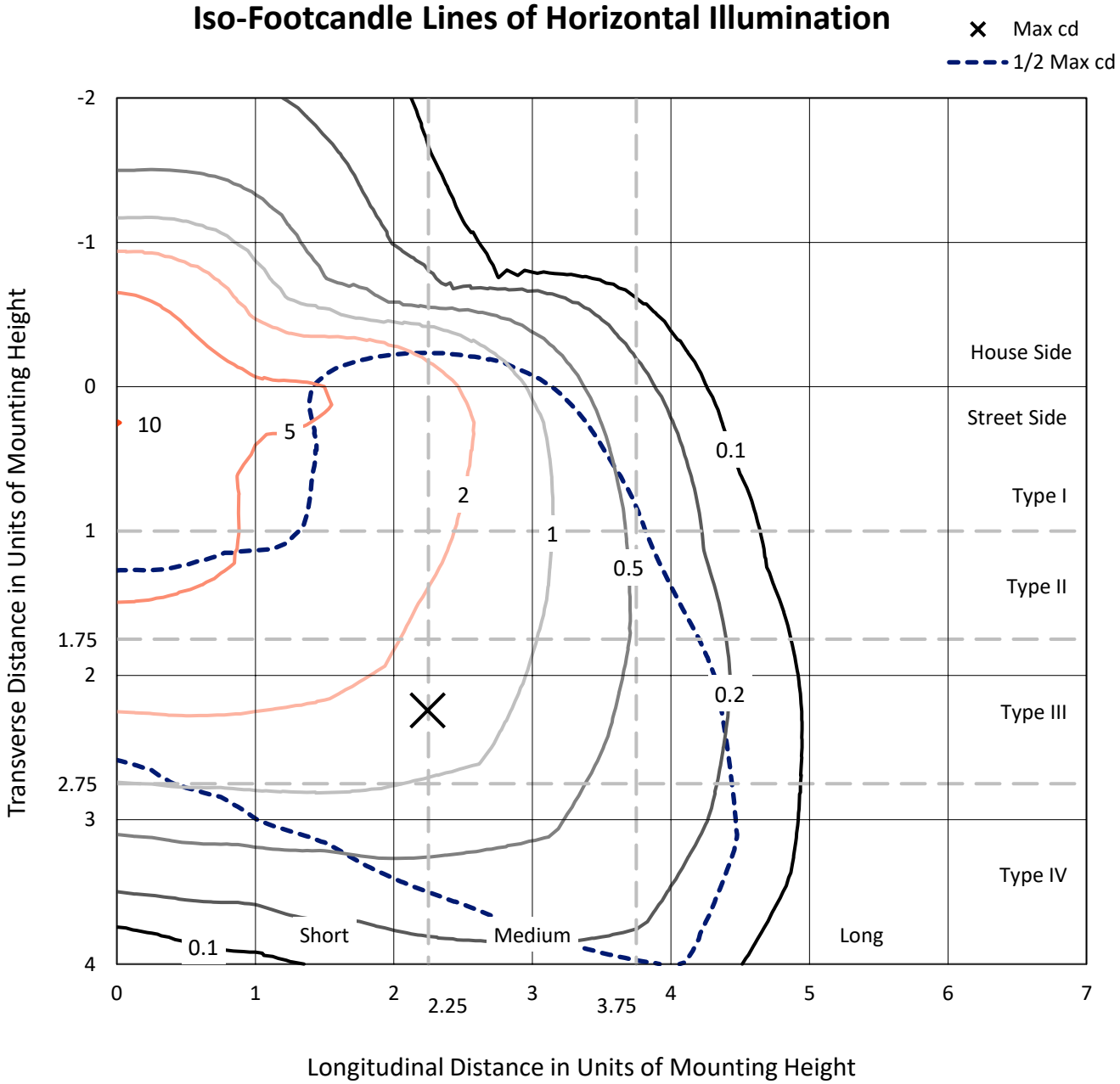


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Scaled Data Report

REPORT NUMBER: P1202751
CATALOG NUMBER: GWC-SB2A-830-U-T4W

Iso-Footcandle Lines of Horizontal Illumination



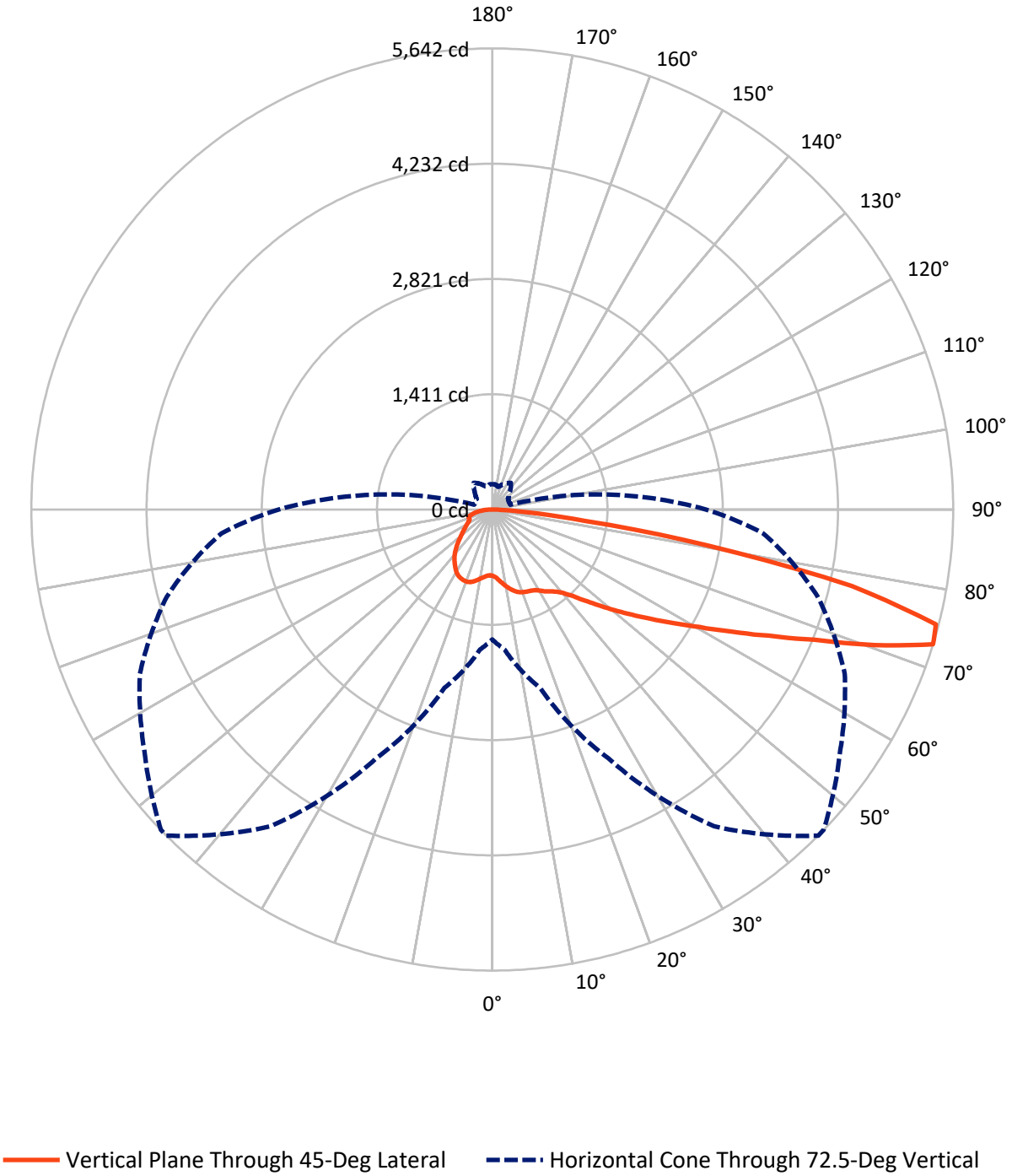
Based on 10 foot mounting height. Maximum calculated value = 9.3 fc
Type IV - Short - N/A

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REPORT NUMBER: P1202751
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Luminous Intensity Polar Plot



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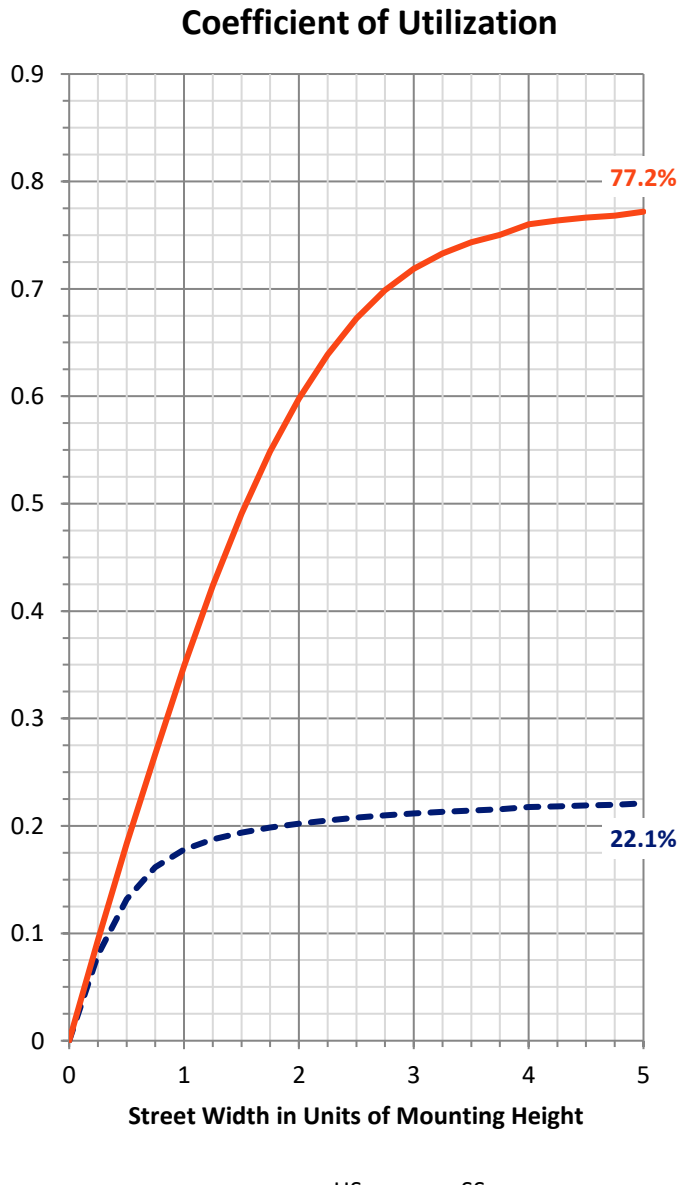
REPORT NUMBER: P1202751
CATALOG NUMBER: GWC-SB2A-830-U-T4W

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1818.3	0.0	1818.3
	% Fixture	22.6	0.0	22.6
Street Side	Lumens	6224.8	0.0	6224.8
	% Fixture	77.4	0.0	77.4
Total	Lumens	8043.0	0.0	8043.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	82.6	1.0
10°-20°	275.3	3.4
20°-30°	479.0	6.0
30°-40°	686.6	8.5
40°-50°	966.8	12.0
50°-60°	1480.9	18.4
60°-70°	2145.3	26.7
70°-80°	1713.1	21.3
80°-90°	213.4	2.7
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°	8043.0	100.0
0°-180°	8043.0	100.0



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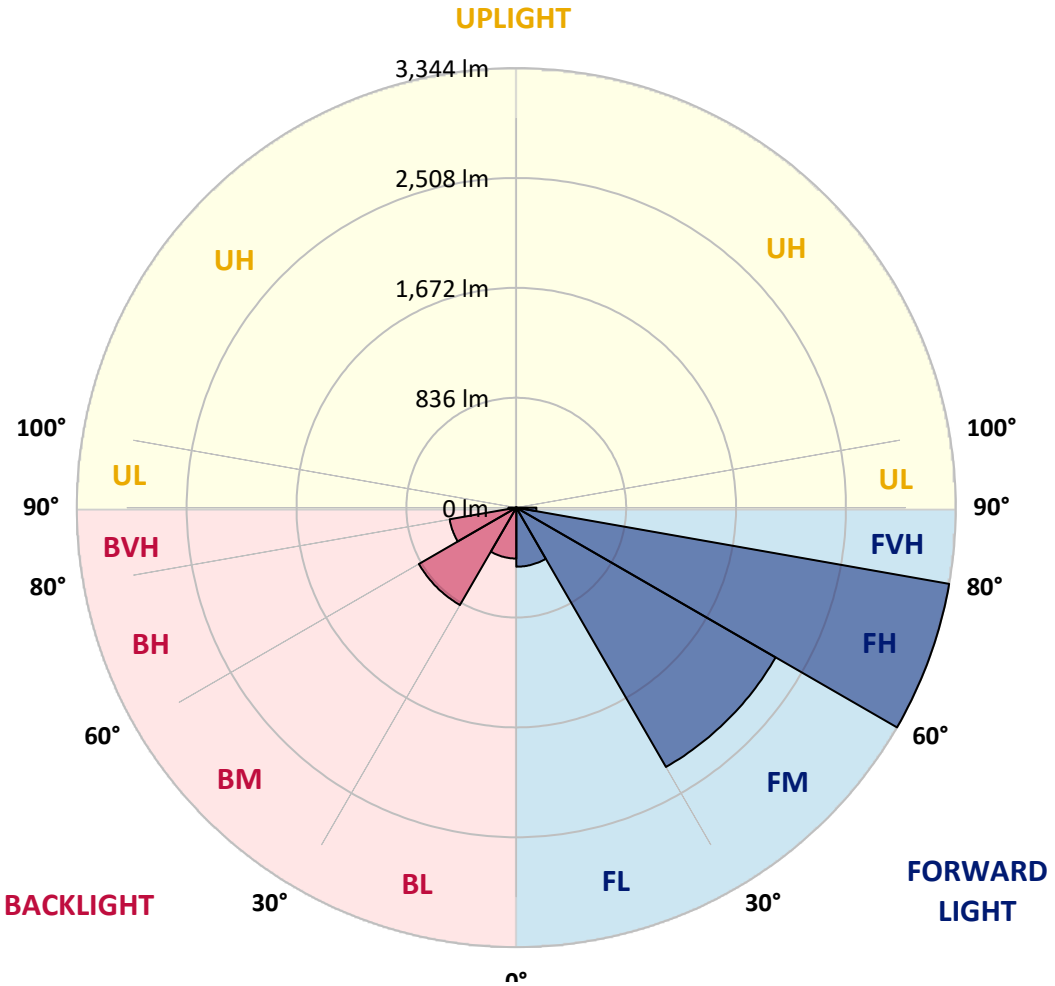
Scaled Data Report

REPORT NUMBER: P1202751
CATALOG NUMBER: GWC-SB2A-830-U-T4W

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	449.8	5.6			
FM	(30°-60°)	2278.2	28.3			
FH	(60°-80°)	3343.7	41.6			G2/5000
FVH	(80°-90°)	153.1	1.9			G2/225
BL	(0°-30°)	387.1	4.8	B1/500		
BM	(30°-60°)	856.1	10.6	B1/1000		
BH	(60°-80°)	514.7	6.4	B2/1000		G2/1000
BVH	(80°-90°)	60.3	0.7			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G2
Type IV Short



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REPORT NUMBER: P1202751
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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	46°	55°	65°	75°	85°
0°	811.4	811.4	811.4	811.4	811.4	*811.4*	811.4	811.4	811.4	811.4	811.4
2.5°	843.2	848.7	843.6	838.9	836.8	*831.3*	830.9	827.5	825.4	819.4	817.7
5°	902.1	909.3	900.8	891.5	883.0	*869.4*	867.7	858.0	847.0	834.3	827.1
7.5°	968.6	974.9	965.2	951.2	936.4	*913.9*	913.5	895.7	878.3	856.7	844.4
10°	1026.6	1035.1	1022.0	1002.9	984.3	*958.8*	955.9	935.5	913.5	885.5	866.9
12.5°	1077.9	1083.8	1071.1	1047.8	1026.2	*1000.8*	997.0	974.5	949.9	918.2	894.4
15°	1118.6	1126.2	1109.2	1084.2	1061.4	*1036.4*	1033.0	1012.6	988.1	954.6	924.1
17.5°	1145.3	1151.6	1134.2	1106.3	1084.2	*1063.5*	1060.9	1044.0	1022.4	988.5	955.9
20°	1155.4	1162.2	1144.0	1115.6	1095.3	*1079.2*	1077.9	1065.6	1050.8	1019.8	986.8
22.5°	1165.6	1171.9	1148.2	1118.6	1100.8	*1090.6*	1090.2	1082.1	1076.2	1050.8	1018.6
25°	1206.7	1208.4	1176.6	1133.8	1108.4	*1099.5*	1099.1	1098.6	1101.2	1081.3	1052.9
27.5°	1242.3	1241.9	1214.7	1174.5	1135.1	*1116.4*	1116.0	1120.3	1128.3	1111.8	1088.5
30°	1294.4	1289.7	1257.5	1215.6	1179.6	*1150.8*	1148.2	1144.4	1150.8	1137.6	1124.1
32.5°	1405.0	1390.2	1338.0	1263.5	1216.4	*1194.4*	1191.0	1167.3	1169.8	1161.8	1155.0
35°	1563.4	1544.0	1474.5	1354.1	1262.2	*1230.8*	1229.1	1199.1	1194.0	1186.8	1189.3
37.5°	1752.0	1727.8	1646.9	1485.5	1341.0	*1273.2*	1270.7	1243.6	1222.8	1215.2	1229.6
40°	1941.4	1910.9	1843.9	1645.6	1457.1	*1344.0*	1335.9	1294.8	1271.1	1258.4	1288.9
42.5°	2125.3	2099.8	2042.6	1825.3	1600.3	*1447.4*	1429.6	1359.2	1341.4	1329.6	1384.6
45°	2288.0	2265.1	2223.1	2017.2	1768.1	*1588.0*	1570.6	1455.8	1450.3	1450.3	1530.0
47.5°	2420.2	2415.1	2370.6	2213.0	1966.0	*1748.2*	1718.1	1590.1	1605.0	1627.8	1736.3
50°	2566.8	2552.8	2505.3	2405.8	2198.6	*1931.6*	1907.1	1755.0	1810.5	1873.2	2034.6
52.5°	2701.5	2709.1	2656.2	2606.6	2461.3	*2136.3*	2093.1	1949.4	2069.3	2173.1	2384.2
55°	2840.0	2840.5	2825.6	2818.9	2736.7	*2362.5*	2315.1	2183.3	2374.0	2502.8	2791.7
57.5°	2970.1	2971.0	2993.0	3052.7	3056.1	*2623.5*	2569.7	2470.6	2712.5	2843.9	3212.1
60°	3086.2	3092.1	3152.3	3292.1	3337.0	*2922.7*	2871.8	2810.0	3062.5	3194.7	3654.0
62.5°	3125.2	3146.8	3280.7	3479.4	3614.6	*3289.6*	3239.6	3202.7	3430.3	3553.1	4023.4
65°	3059.1	3108.7	3367.6	3634.1	3900.1	*3725.6*	3676.0	3635.8	3812.4	3928.1	4326.8
67.5°	2896.8	2960.8	3362.5	3796.3	4246.7	*4250.1*	4203.9	4109.4	4222.2	4266.6	4425.5
70°	2469.3	2565.1	3066.3	3856.9	4644.6	*4967.4*	4923.0	4679.7	4631.0	4415.8	4147.6
72.5°	*1591.0*	*1719.8*	*2257.9*	*3358.2*	*4733.1*	*5642.4*	*5639.8*	*5194.5*	*4760.2*	*4126.0*	*3326.5*
75°	580.5	659.3	1049.1	2107.9	3973.0	*5608.1*	5624.6	5106.4	4345.4	3187.1	2072.3
77.5°	211.4	231.3	342.3	810.1	2443.5	*4499.7*	4534.0	4082.3	3093.0	1599.5	821.1
80°	111.0	122.0	175.4	314.4	1047.0	*2672.3*	2726.1	2426.1	1453.7	481.7	246.2
82.5°	61.4	66.5	98.3	170.8	471.6	*1142.7*	1174.9	958.4	511.4	204.2	101.7
85°	33.0	35.2	46.2	93.2	230.5	*396.2*	405.1	286.4	203.8	119.9	49.1
87.5°	9.7	11.9	15.3	29.7	90.2	*89.0*	91.1	56.8	80.5	60.6	16.1
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: P1202751
CATALOG NUMBER: GWC-SB2A-830-U-T4W

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	811.4	811.4	811.4	811.4	811.4	811.4	811.4	811.4	811.4	811.4	811.4
2.5°	815.2	813.9	809.3	807.1	804.6	804.2	806.3	806.7	807.1	807.6	809.3
5°	822.8	818.6	814.3	811.8	812.7	813.1	817.3	820.3	822.4	824.1	824.9
7.5°	837.7	834.3	827.1	826.6	827.9	831.7	837.2	844.0	847.8	850.8	851.6
10°	859.7	853.3	844.9	846.1	848.7	854.2	865.6	871.1	877.5	883.0	881.7
12.5°	882.1	876.6	866.9	867.7	872.0	881.7	892.7	899.5	903.7	908.0	909.7
15°	911.4	901.6	891.0	891.0	898.7	909.3	914.3	919.8	922.4	927.1	928.7
17.5°	941.5	928.7	914.8	913.9	923.2	928.3	931.3	932.1	933.0	938.1	939.8
20°	971.5	957.6	937.6	935.9	938.1	937.2	936.8	935.9	937.2	943.6	946.1
22.5°	1001.2	985.1	957.6	949.9	944.0	935.9	935.5	935.1	935.9	942.3	946.5
25°	1035.9	1016.5	979.6	956.7	936.8	925.8	927.1	927.5	928.3	933.4	940.2
27.5°	1073.7	1052.0	999.9	954.6	918.6	911.0	908.8	910.1	913.1	921.1	929.2
30°	1111.4	1085.9	1018.6	946.1	895.7	885.1	878.3	881.3	890.6	898.7	907.6
32.5°	1145.7	1120.3	1033.4	927.5	866.5	849.9	841.0	844.9	854.2	857.1	867.7
35°	1185.9	1157.1	1039.8	897.8	834.7	809.3	797.4	791.9	796.6	793.6	802.9
37.5°	1230.8	1200.8	1038.9	858.8	797.4	768.2	751.6	730.9	721.1	711.0	717.3
40°	1297.4	1254.1	1028.7	811.8	751.2	724.5	694.9	659.7	637.7	617.8	619.0
42.5°	1388.0	1328.3	1010.1	760.1	699.1	674.1	633.9	592.8	558.0	525.0	522.0
45°	1523.2	1425.3	986.8	705.0	642.8	618.2	574.5	528.4	488.9	446.6	441.5
47.5°	1718.1	1555.8	964.8	642.3	583.4	561.0	521.6	478.8	432.2	391.1	386.4
50°	1985.9	1743.1	944.4	581.3	525.0	508.0	476.7	433.0	386.0	352.9	350.8
52.5°	2326.5	1997.7	935.9	522.4	470.3	463.9	439.0	398.3	353.8	325.8	323.7
55°	2717.6	2302.4	935.9	466.1	422.4	424.5	407.2	369.5	330.9	305.9	303.4
57.5°	3116.7	2610.8	919.0	414.0	381.8	390.6	379.6	346.6	311.8	286.0	281.8
60°	3484.5	2869.3	850.4	366.5	345.7	359.7	352.5	324.1	281.8	260.2	256.8
62.5°	3767.1	3015.0	718.2	328.8	316.1	332.2	328.4	294.5	276.3	267.4	264.4
65°	3908.6	2991.3	549.1	295.3	291.1	316.1	308.0	306.8	292.4	282.2	278.8
67.5°	3821.8	2787.1	398.3	270.7	276.7	301.2	332.2	337.3	310.6	290.7	287.3
70°	3440.9	2417.6	296.6	247.4	258.5	301.7	378.8	352.9	304.6	281.3	277.5
72.5°	*2617.6*	*1802.8*	*230.1*	*222.9*	*234.7*	*303.8*	*399.5*	*345.7*	*287.7*	*311.0*	*308.5*
75°	1496.9	989.8	184.7	192.8	205.1	283.9	389.0	327.1	274.6	285.6	285.6
77.5°	570.7	380.5	152.5	163.1	164.8	247.9	372.0	325.8	261.4	255.1	232.6
80°	197.9	148.7	126.3	129.7	127.5	220.3	356.8	283.5	214.0	191.5	185.2
82.5°	80.9	74.1	100.0	95.8	90.7	171.2	288.1	231.8	175.0	154.6	153.0
85°	35.2	47.0	66.1	58.0	52.5	118.6	230.9	196.2	147.9	127.5	127.1
87.5°	7.2	17.8	28.0	26.3	27.1	79.2	164.0	139.4	104.7	78.4	61.4
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

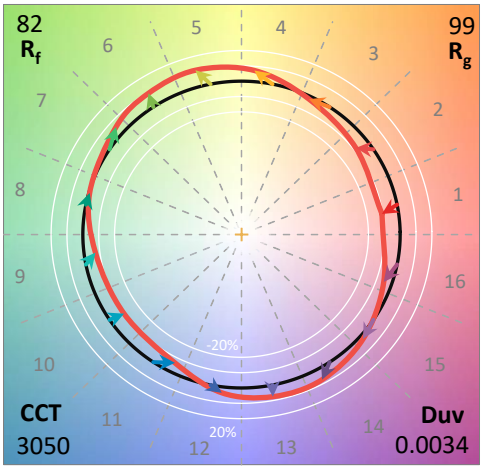
Test Information

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

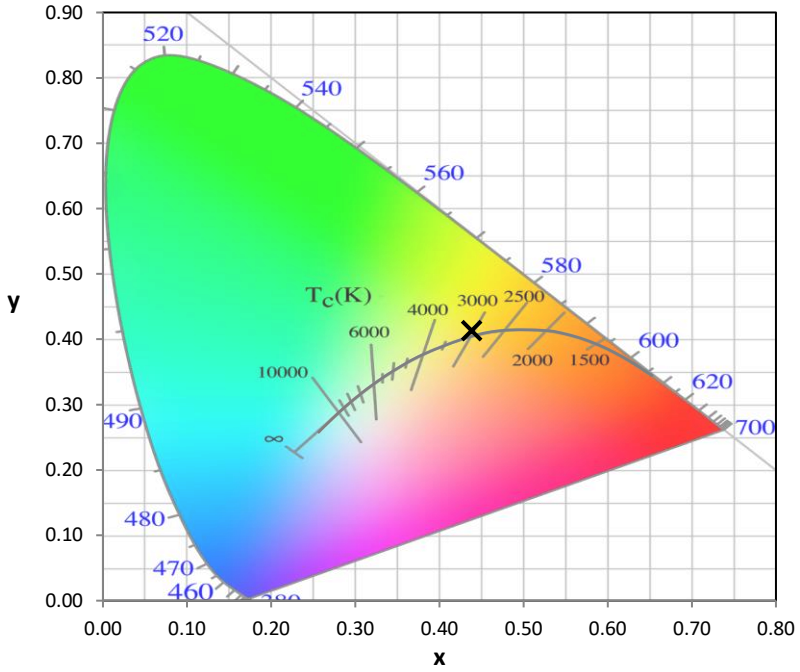
Stabilization Time:	20M
Operation Time:	1H 20M
Sphere Temperature (°C):	24.2

REPORT NUMBER: SP1-2408-195-9

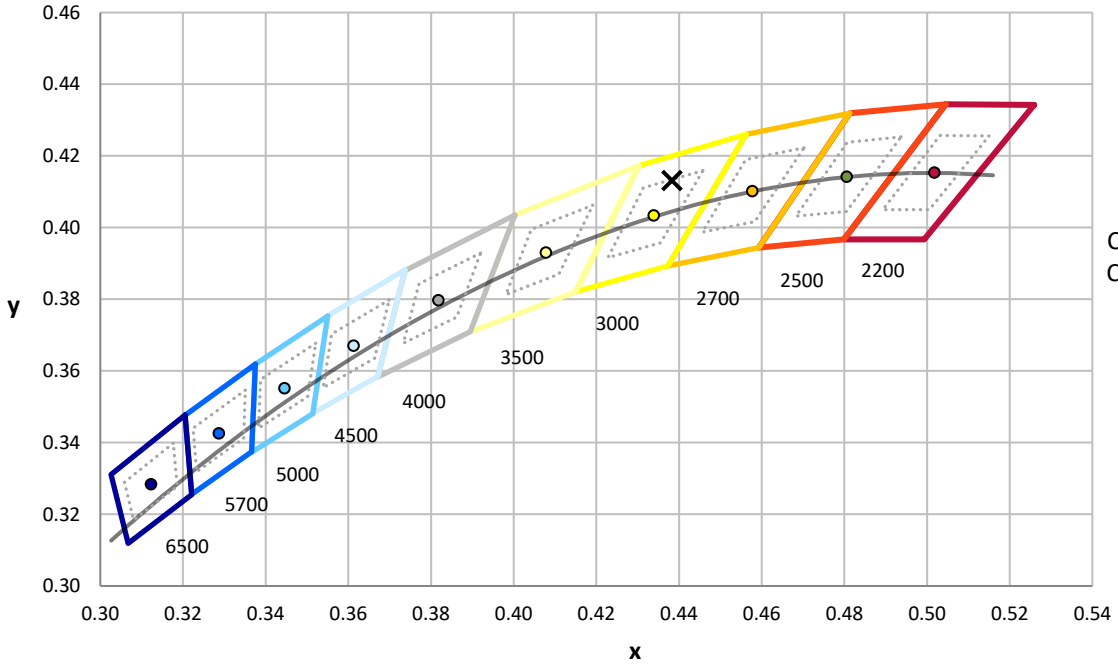
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

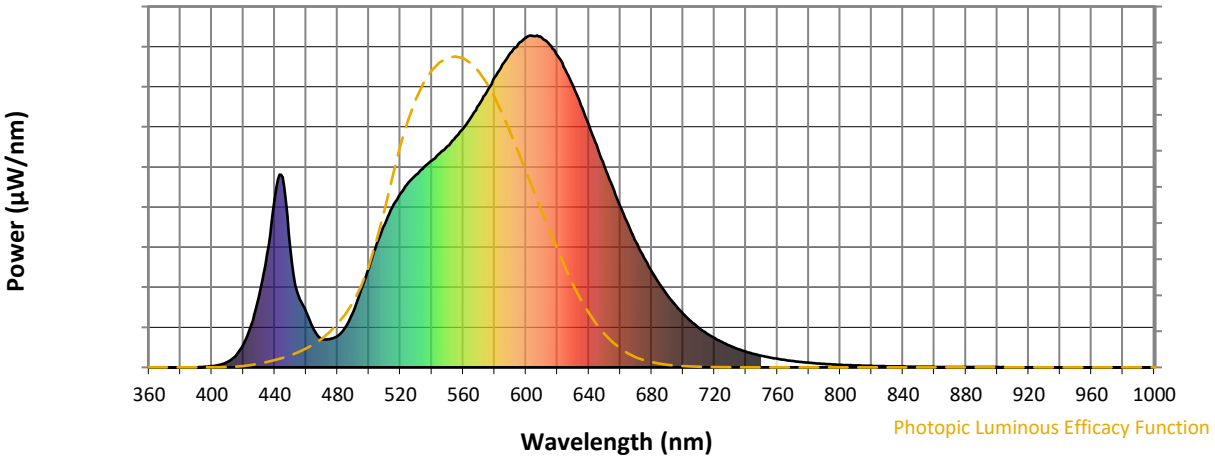


CCT = 3050K
CIE x = 0.4383
CIE y = 0.4131
Duv = 0.0034

Point lies inside the ANSI 3000K 4-step quadrangle

REPORT NUMBER: SP1-2408-195-9

Photopic Flux vs. Wavelength

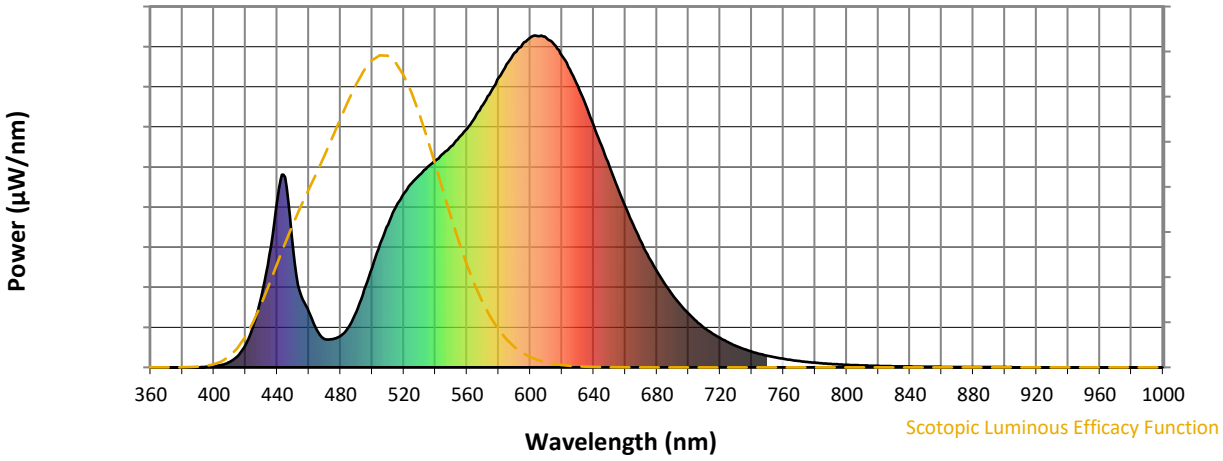


Photopic Lumens: NR

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

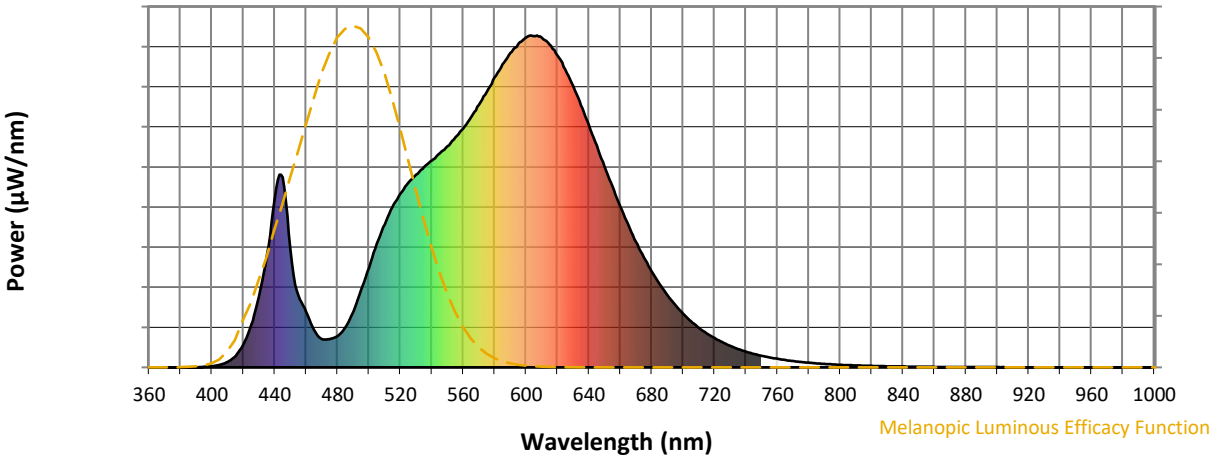


Scotopic Lumens: NR **S/P: 1.27**

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			

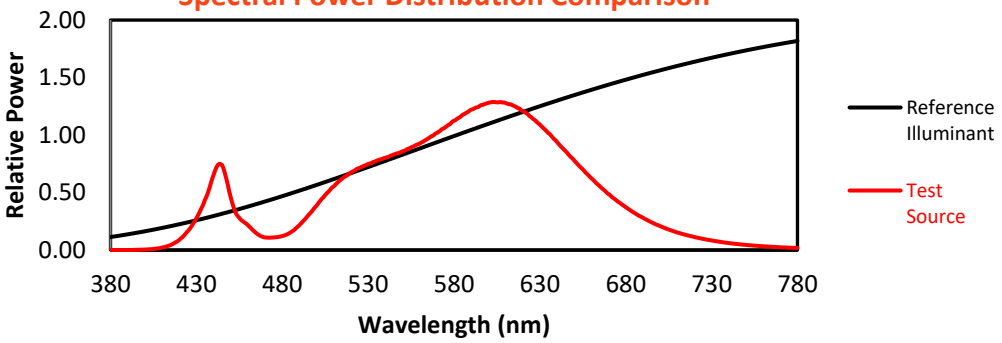
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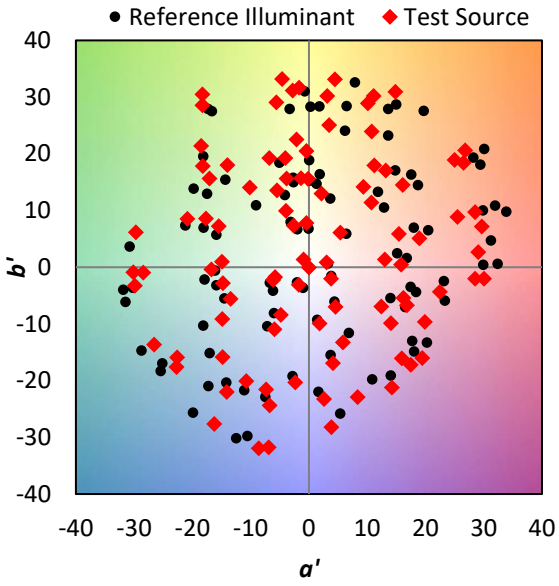
Summary

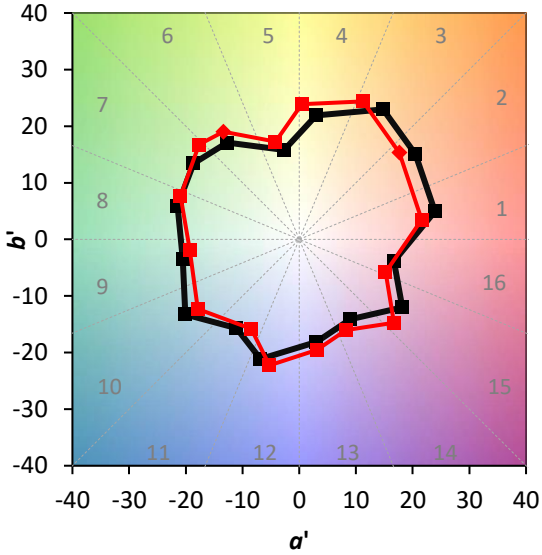
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R_g = 99.2
CIE R_a = 81.0
R_9 = 7.1

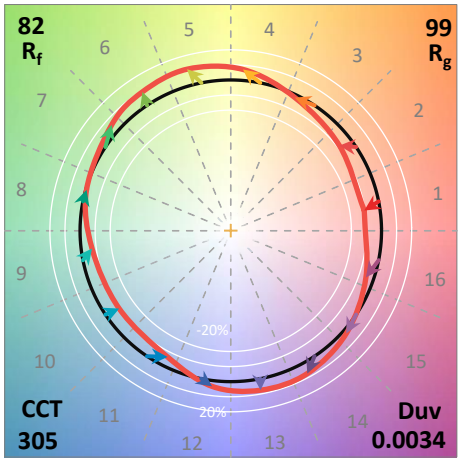
Spectral Power Distribution Comparison

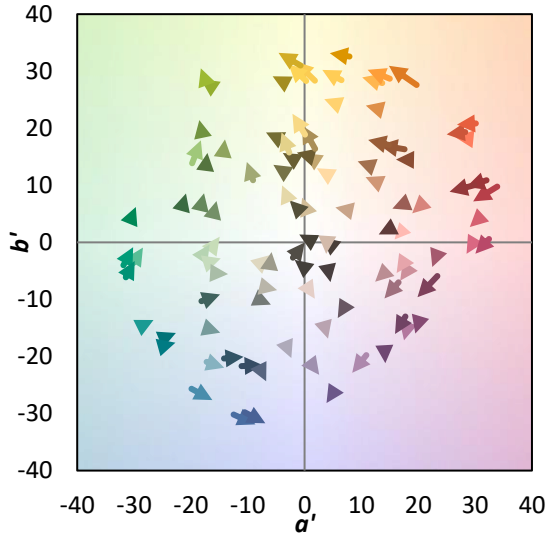


Color Vector Graphics







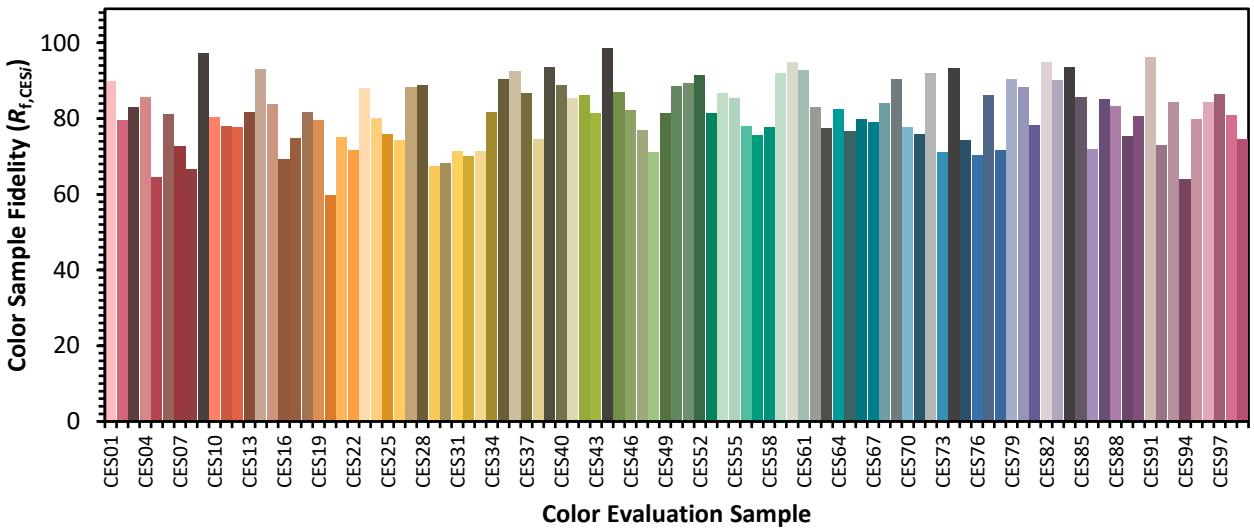


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Individual Sample Fidelity Index ($R_{f,i}$)

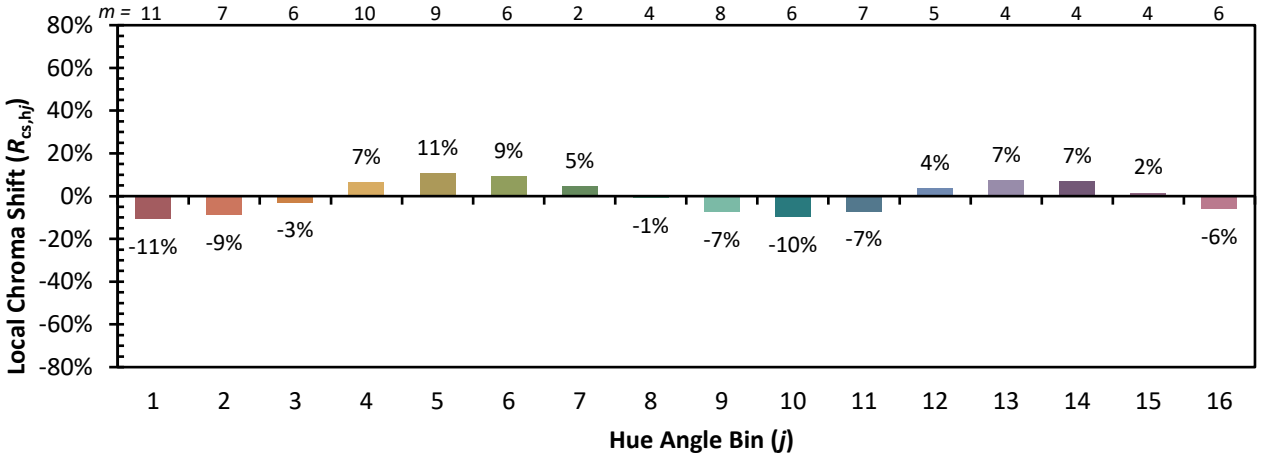
CES01 = 86	CES26 = 74	CES51 = 89	CES76 = 70
CES02 = 63	CES27 = 88	CES52 = 92	CES77 = 86
CES03 = 31	CES28 = 89	CES53 = 81	CES78 = 72
CES04 = 70	CES29 = 67	CES54 = 87	CES79 = 90
CES05 = 50	CES30 = 68	CES55 = 85	CES80 = 88
CES06 = 51	CES31 = 71	CES56 = 78	CES81 = 78
CES07 = 42	CES32 = 70	CES57 = 76	CES82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

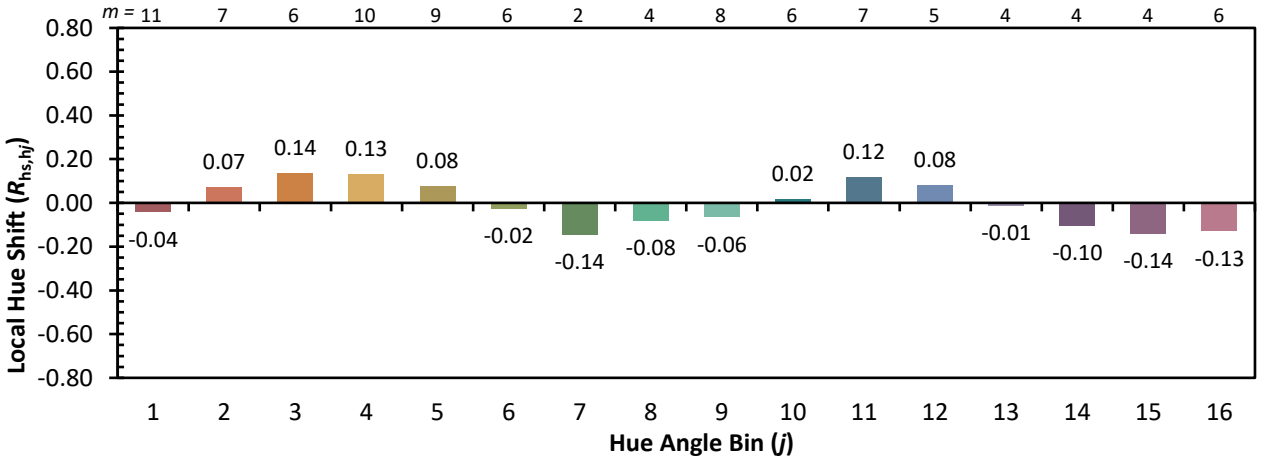


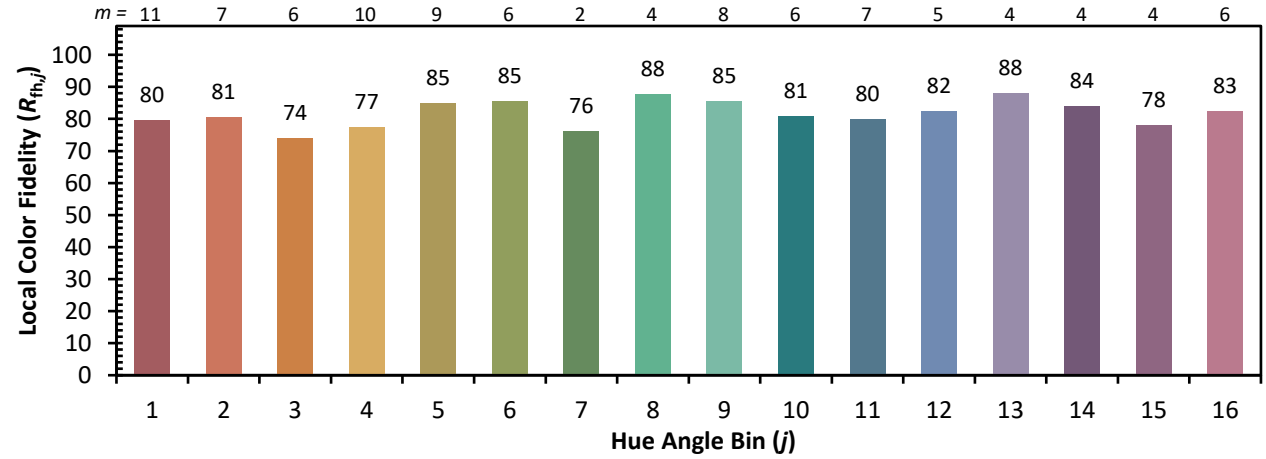
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Color Rendition by Hue-Angle Bin



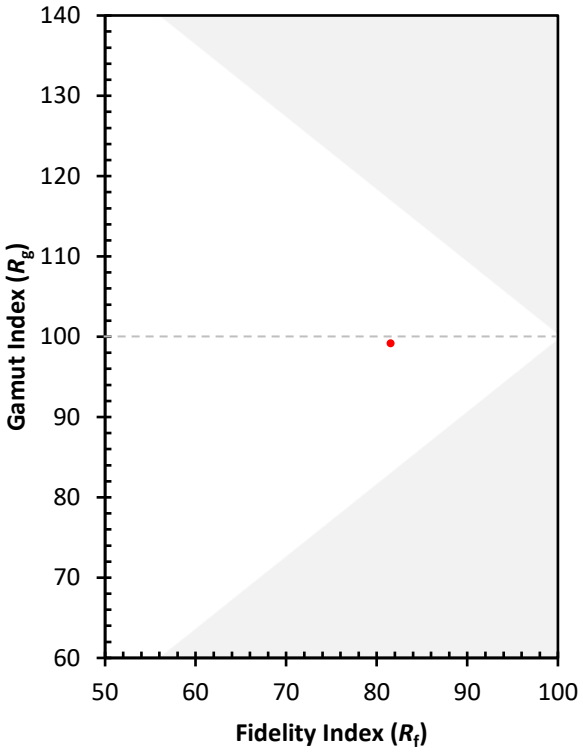


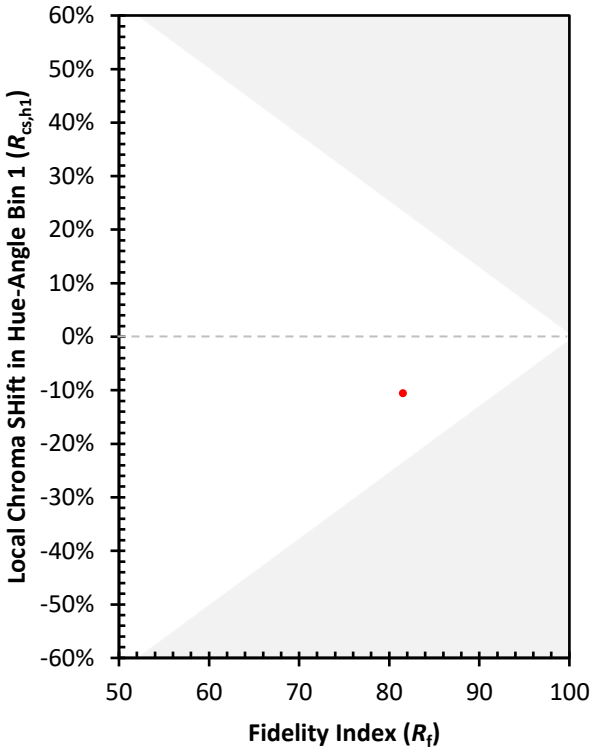


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Measure Comparisons





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