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: P1202377

Luminaire Tested: GWC-SB1D-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:	P1202377
	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-SB1D-830-U-T4W
Description:	GALLEON WALL LUMINAIRE
	(1) 80 CRI, 3000K, 900mA LIGHTSQUARE WITH 26 LEDS AND TYPE IV WIDE OPTICS
Light Source:	-
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	9175 lumens
Efficiency:	N/A
Efficacy:	115.3 lumens/watt
Luminous Opening:	Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification:	Type IV - Short
BUG Rating:	B2 - 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

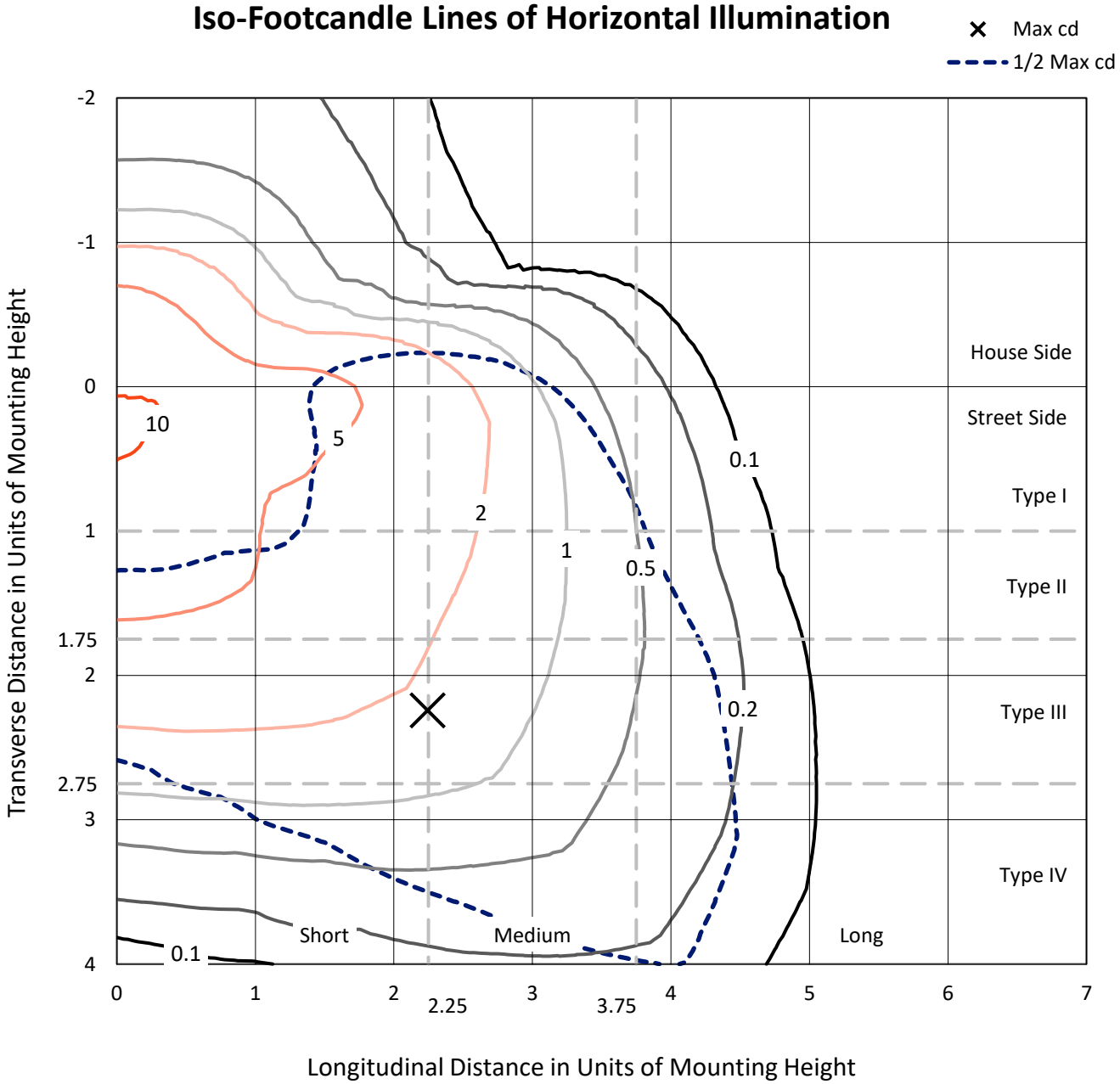


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Scaled Data Report

REPORT NUMBER: P1202377
CATALOG NUMBER: GWC-SB1D-830-U-T4W

Iso-Footcandle Lines of Horizontal Illumination



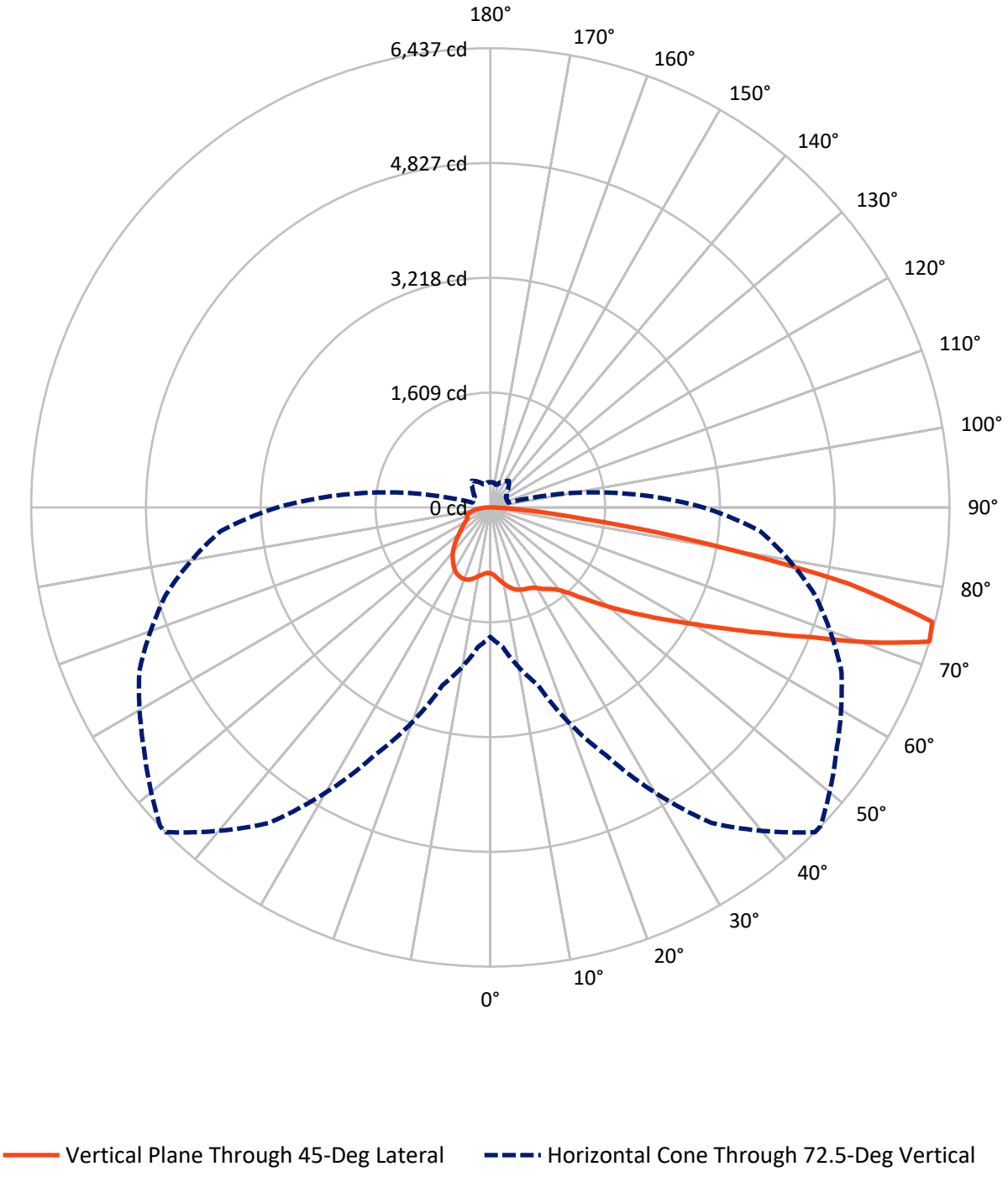
Based on 10 foot mounting height. Maximum calculated value = 10.7 fc
Type IV - Short - N/A

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REPORT NUMBER: P1202377
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Luminous Intensity Polar Plot



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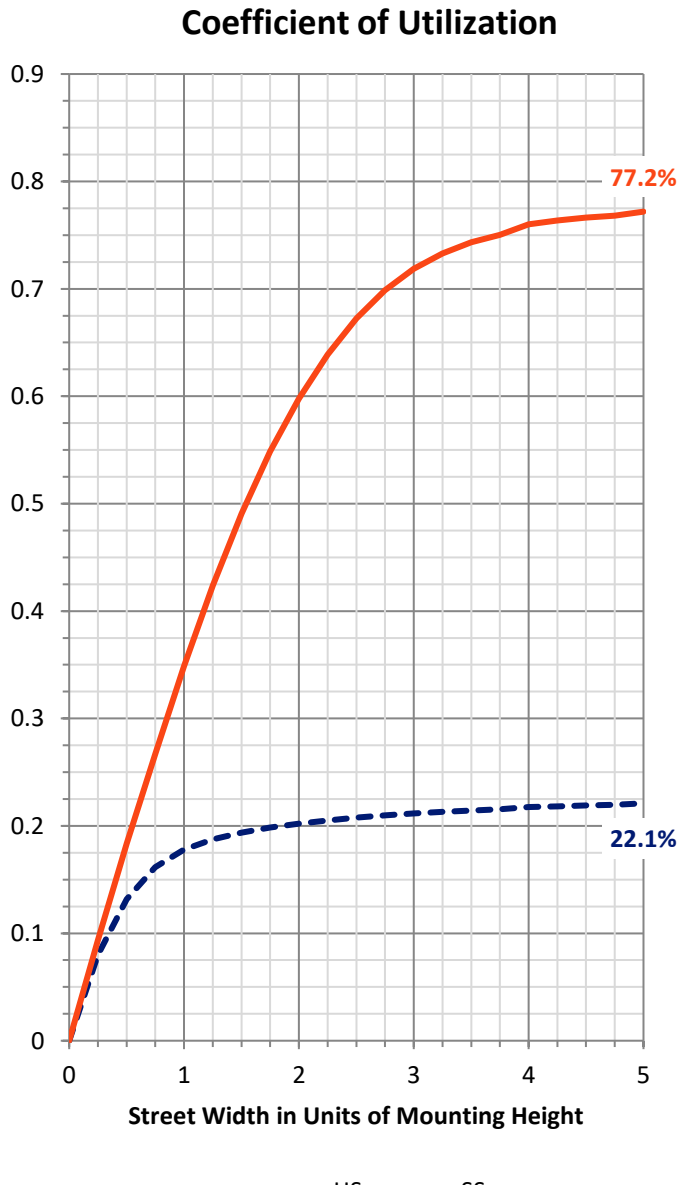
REPORT NUMBER: P1202377
CATALOG NUMBER: GWC-SB1D-830-U-T4W

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2074.1	0.0	2074.1
	% Fixture	22.6	0.0	22.6
Street Side	Lumens	7100.8	0.0	7100.8
	% Fixture	77.4	0.0	77.4
Total	Lumens	9175.0	0.0	9175.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	94.2	1.0
10°-20°	314.1	3.4
20°-30°	546.4	6.0
30°-40°	783.3	8.5
40°-50°	1102.9	12.0
50°-60°	1689.3	18.4
60°-70°	2447.2	26.7
70°-80°	1954.2	21.3
80°-90°	243.4	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°	9175.0	100.0
0°-180°	9175.0	100.0



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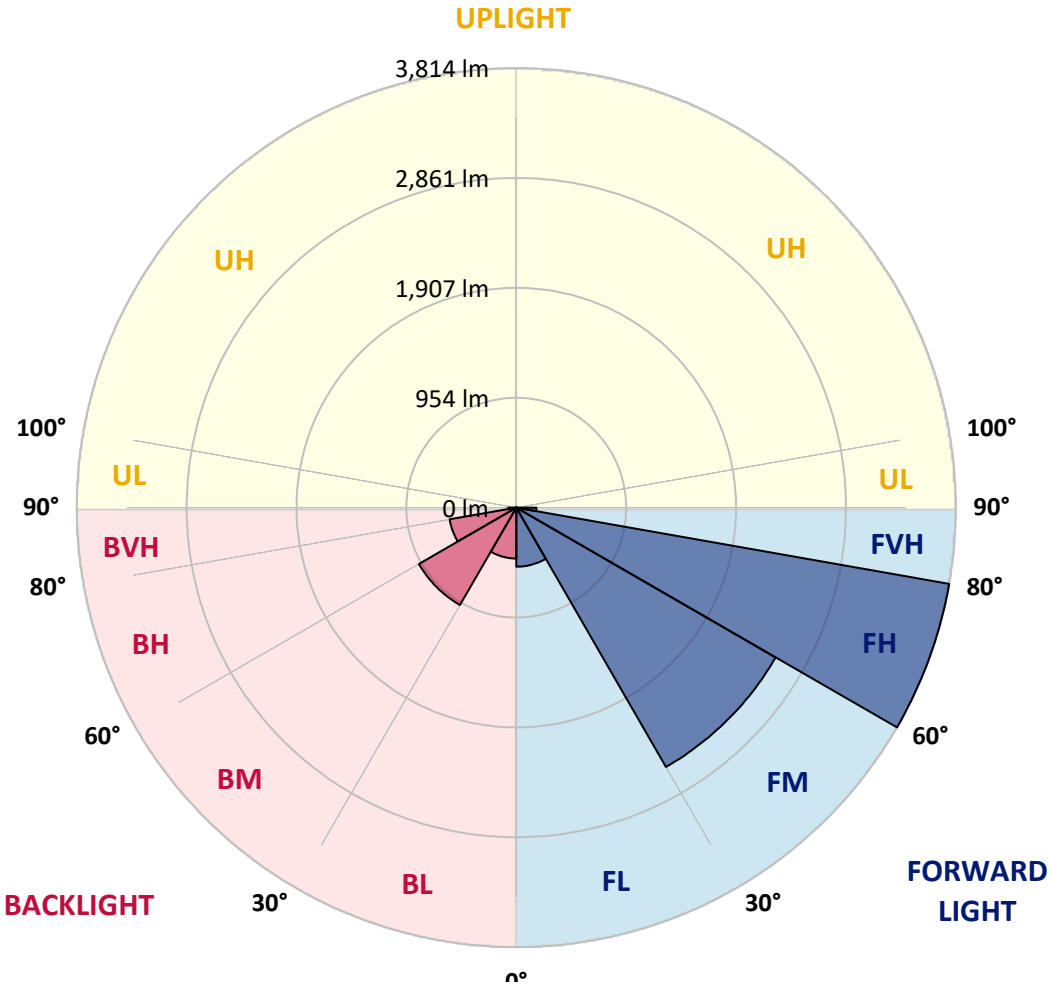
Scaled Data Report

REPORT NUMBER: P1202377
CATALOG NUMBER: GWC-SB1D-830-U-T4W

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	513.1	5.6			
FM	(30°-60°)	2598.8	28.3			
FH	(60°-80°)	3814.3	41.6			G2/5000
FVH	(80°-90°)	174.6	1.9			G2/225
BL	(0°-30°)	441.6	4.8	B1/500		
BM	(30°-60°)	976.6	10.6	B1/1000		
BH	(60°-80°)	587.1	6.4	B2/1000		G2/1000
BVH	(80°-90°)	68.8	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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Scaled Data Report

REPORT NUMBER: P1202377
CATALOG NUMBER: GWC-SB1D-830-U-T4W

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	46°	55°	65°	75°	85°
0°	925.6	925.6	925.6	925.6	925.6	925.6	925.6	925.6	925.6	925.6	925.6
2.5°	961.8	968.1	962.3	957.0	954.6	948.3	947.8	943.9	941.5	934.8	932.8
5°	1029.0	1037.2	1027.6	1016.9	1007.3	991.8	989.9	978.7	966.2	951.7	943.5
7.5°	1104.9	1112.1	1101.0	1085.1	1068.2	1042.5	1042.1	1021.8	1001.9	977.3	963.3
10°	1171.1	1180.8	1165.8	1144.0	1122.8	1093.8	1090.4	1067.2	1042.1	1010.2	988.9
12.5°	1229.6	1236.4	1221.9	1195.3	1170.6	1141.6	1137.3	1111.7	1083.6	1047.4	1020.3
15°	1276.0	1284.7	1265.4	1236.8	1210.7	1182.2	1178.4	1155.2	1127.1	1088.9	1054.1
17.5°	1306.4	1313.7	1293.9	1262.0	1236.8	1213.2	1210.3	1190.9	1166.3	1127.6	1090.4
20°	1318.0	1325.8	1305.0	1272.6	1249.4	1231.0	1229.6	1215.6	1198.7	1163.4	1125.7
22.5°	1329.6	1336.9	1309.8	1276.0	1255.7	1244.1	1243.6	1234.4	1227.7	1198.7	1161.9
25°	1376.5	1378.5	1342.2	1293.4	1264.4	1254.2	1253.8	1253.3	1256.2	1233.5	1201.1
27.5°	1417.1	1416.6	1385.7	1339.8	1294.8	1273.6	1273.1	1277.9	1287.1	1268.3	1241.7
30°	1476.6	1471.3	1434.5	1386.7	1345.6	1312.7	1309.8	1305.5	1312.7	1297.7	1282.3
32.5°	1602.7	1585.8	1526.4	1441.3	1387.6	1362.5	1358.6	1331.6	1334.5	1325.3	1317.6
35°	1783.5	1761.3	1682.0	1544.7	1439.8	1404.1	1402.1	1367.8	1362.0	1353.8	1356.7
37.5°	1998.6	1971.0	1878.7	1694.6	1529.7	1452.4	1449.5	1418.6	1394.9	1386.2	1402.6
40°	2214.6	2179.8	2103.5	1877.3	1662.2	1533.1	1523.9	1477.1	1450.0	1435.5	1470.3
42.5°	2424.4	2395.4	2330.1	2082.2	1825.5	1651.1	1630.8	1550.5	1530.2	1516.7	1579.5
45°	2610.0	2583.9	2536.0	2301.1	2016.9	1811.5	1791.7	1660.7	1654.4	1654.4	1745.3
47.5°	2760.8	2755.0	2704.2	2524.4	2242.7	1994.2	1959.9	1813.9	1830.9	1857.0	1980.7
50°	2928.0	2912.1	2857.9	2744.4	2508.0	2203.5	2175.5	2002.0	2065.3	2136.8	2321.0
52.5°	3081.7	3090.4	3030.0	2973.5	2807.7	2437.0	2387.7	2223.8	2360.6	2479.0	2719.7
55°	3239.8	3240.3	3223.3	3215.6	3121.8	2695.1	2640.9	2490.6	2708.1	2855.0	3184.7
57.5°	3388.2	3389.1	3414.3	3482.4	3486.3	2992.8	2931.4	2818.3	3094.3	3244.1	3664.1
60°	3520.6	3527.3	3596.0	3755.5	3806.7	3334.0	3276.0	3205.5	3493.5	3644.3	4168.2
62.5°	3565.0	3589.7	3742.4	3969.1	4123.3	3752.6	3695.5	3653.5	3913.0	4053.2	4589.7
65°	3489.7	3546.2	3841.5	4145.5	4449.1	4249.9	4193.4	4147.5	4349.0	4481.0	4935.8
67.5°	3304.5	3377.5	3835.7	4330.6	4844.4	4848.3	4795.6	4687.8	4816.4	4867.1	5048.4
70°	2816.9	2926.1	3497.9	4399.8	5298.3	5666.6	5615.8	5338.4	5282.8	5037.3	4731.3
72.5°	1814.9	1961.8	2575.7	3830.9	5399.3	6436.5	6433.6	5925.6	5430.2	4706.7	3794.6
75°	662.2	752.1	1196.7	2404.6	4532.2	6397.4	6416.2	5825.1	4957.0	3635.6	2364.0
77.5°	241.2	263.9	390.5	924.1	2787.4	5133.0	5172.1	4656.9	3528.3	1824.6	936.7
80°	126.6	139.2	200.1	358.6	1194.3	3048.4	3109.8	2767.6	1658.3	549.5	280.8
82.5°	70.1	75.9	112.1	194.8	537.9	1303.5	1340.3	1093.3	583.4	233.0	116.0
85°	37.7	40.1	52.7	106.3	262.9	451.9	462.1	326.7	232.5	136.8	56.1
87.5°	11.1	13.5	17.4	33.8	102.9	101.5	103.9	64.8	91.8	69.1	18.4
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: P1202377
CATALOG NUMBER: GWC-SB1D-830-U-T4W

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	925.6	925.6	925.6	925.6	925.6	925.6	925.6	925.6	925.6	925.6	925.6
2.5°	929.9	928.5	923.2	920.7	917.8	917.4	919.8	920.3	920.7	921.2	923.2
5°	938.6	933.8	929.0	926.1	927.0	927.5	932.3	935.7	938.1	940.1	941.0
7.5°	955.5	951.7	943.5	943.0	944.4	948.8	955.1	962.8	967.1	970.5	971.5
10°	980.7	973.4	963.8	965.2	968.1	974.4	987.4	993.7	1001.0	1007.3	1005.8
12.5°	1006.3	1000.0	988.9	989.9	994.7	1005.8	1018.4	1026.1	1030.9	1035.8	1037.7
15°	1039.6	1028.5	1016.4	1016.4	1025.1	1037.2	1043.0	1049.3	1052.2	1057.5	1059.5
17.5°	1074.0	1059.5	1043.5	1042.5	1053.2	1059.0	1062.4	1063.3	1064.3	1070.1	1072.0
20°	1108.3	1092.3	1069.6	1067.7	1070.1	1069.1	1068.6	1067.7	1069.1	1076.4	1079.3
22.5°	1142.1	1123.7	1092.3	1083.6	1076.9	1067.7	1067.2	1066.7	1067.7	1074.9	1079.8
25°	1181.7	1159.5	1117.5	1091.4	1068.6	1056.1	1057.5	1058.0	1059.0	1064.8	1072.5
27.5°	1224.8	1200.1	1140.7	1088.9	1047.9	1039.2	1036.7	1038.2	1041.6	1050.8	1059.9
30°	1267.8	1238.8	1161.9	1079.3	1021.8	1009.7	1001.9	1005.3	1016.0	1025.1	1035.3
32.5°	1306.9	1277.9	1178.8	1058.0	988.4	969.6	959.4	963.8	974.4	977.8	989.9
35°	1352.8	1320.0	1186.1	1024.2	952.2	923.2	909.6	903.3	908.7	905.3	915.9
37.5°	1404.1	1369.8	1185.1	979.7	909.6	876.3	857.4	833.7	822.6	811.0	818.3
40°	1480.0	1430.7	1173.5	926.1	856.9	826.5	792.7	752.5	727.4	704.7	706.1
42.5°	1583.4	1515.2	1152.3	867.1	797.5	769.0	723.1	676.2	636.5	598.8	595.5
45°	1737.6	1625.9	1125.7	804.3	733.2	705.2	655.4	602.7	557.8	509.4	503.6
47.5°	1959.9	1774.8	1100.5	732.7	665.5	639.9	595.0	546.2	493.0	446.1	440.8
50°	2265.4	1988.4	1077.3	663.1	598.8	579.5	543.7	494.0	440.3	402.6	400.2
52.5°	2654.0	2278.9	1067.7	595.9	536.5	529.2	500.7	454.3	403.6	371.7	369.3
55°	3100.1	2626.4	1067.7	531.7	481.9	484.3	464.5	421.5	377.5	349.0	346.1
57.5°	3555.4	2978.3	1048.3	472.2	435.5	445.6	433.1	395.4	355.7	326.2	321.4
60°	3974.9	3273.1	970.0	418.1	394.4	410.3	402.1	369.7	321.4	296.8	292.9
62.5°	4297.3	3439.4	819.2	375.1	360.6	378.9	374.6	335.9	315.1	305.0	301.6
65°	4458.7	3412.3	626.4	336.9	332.0	360.6	351.4	349.9	333.5	321.9	318.0
67.5°	4359.6	3179.4	454.3	308.8	315.6	343.6	378.9	384.7	354.3	331.6	327.7
70°	3925.1	2757.9	338.3	282.3	294.8	344.1	432.1	402.6	347.5	320.9	316.6
72.5°	*2986.0*	*2056.6*	*262.4*	*254.2*	*267.8*	*346.5*	*455.8*	*394.4*	*328.2*	*354.8*	*351.9*
75°	1707.6	1129.1	210.7	219.9	233.9	323.8	443.7	373.1	313.2	325.8	325.8
77.5°	651.0	434.0	174.0	186.1	188.0	282.7	424.4	371.7	298.2	291.0	265.3
80°	225.7	169.6	144.0	147.9	145.5	251.3	407.0	323.3	244.1	218.5	211.2
82.5°	92.3	84.6	114.1	109.2	103.4	195.3	328.7	264.4	199.6	176.4	174.5
85°	40.1	53.6	75.4	66.2	59.9	135.3	263.4	223.8	168.7	145.5	145.0
87.5°	8.2	20.3	31.9	30.0	30.9	90.4	187.0	159.0	119.4	89.4	70.1
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

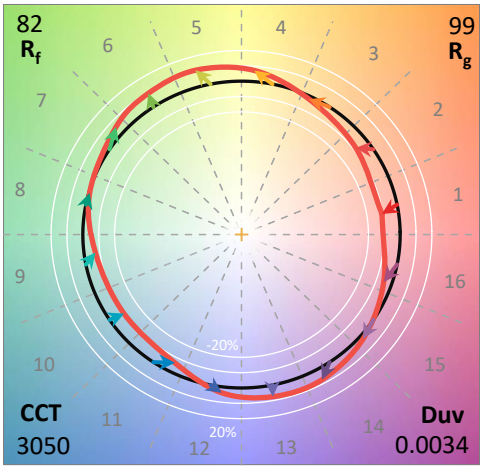
Test Information

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

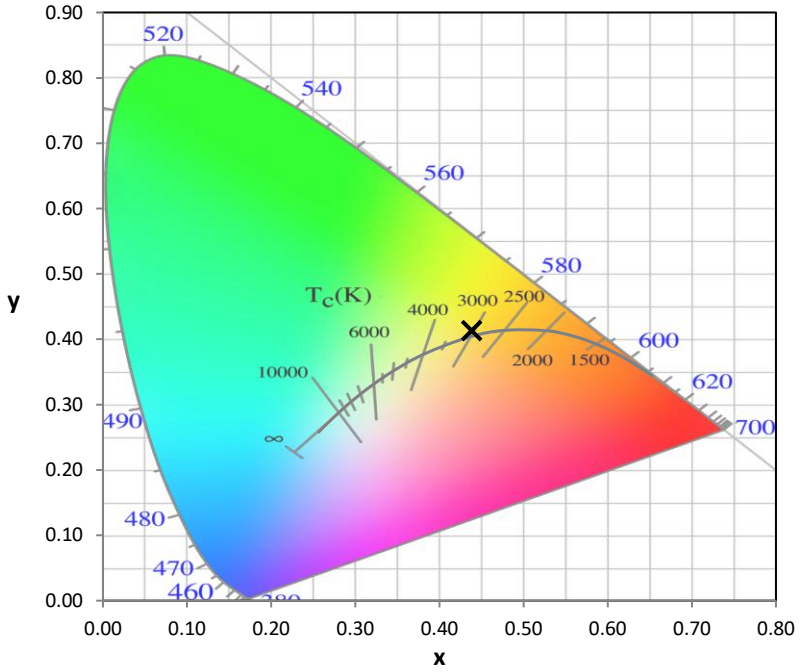
Stabilization Time:	20M
Operation Time:	1H 20M
Sphere Temperature (°C):	24.2

REPORT NUMBER: SP1-2408-195-9

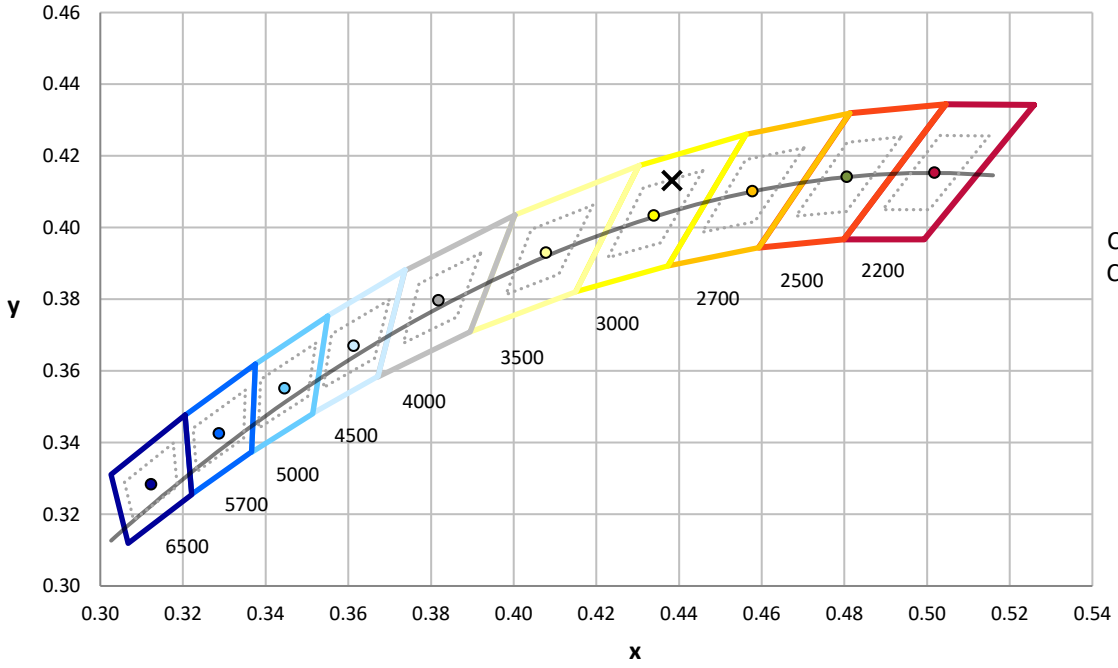
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

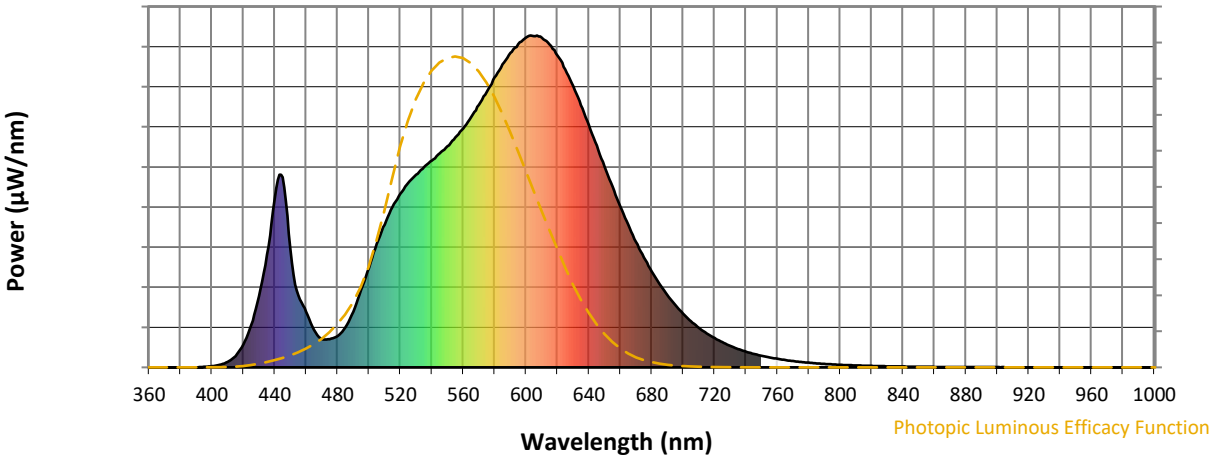


CCT = 3050K
CIE x = 0.4383
CIE y = 0.4131
Duv = 0.0034

Point lies inside the ANSI 3000K 4-step quadrangle

REPORT NUMBER: SP1-2408-195-9

Photopic Flux vs. Wavelength

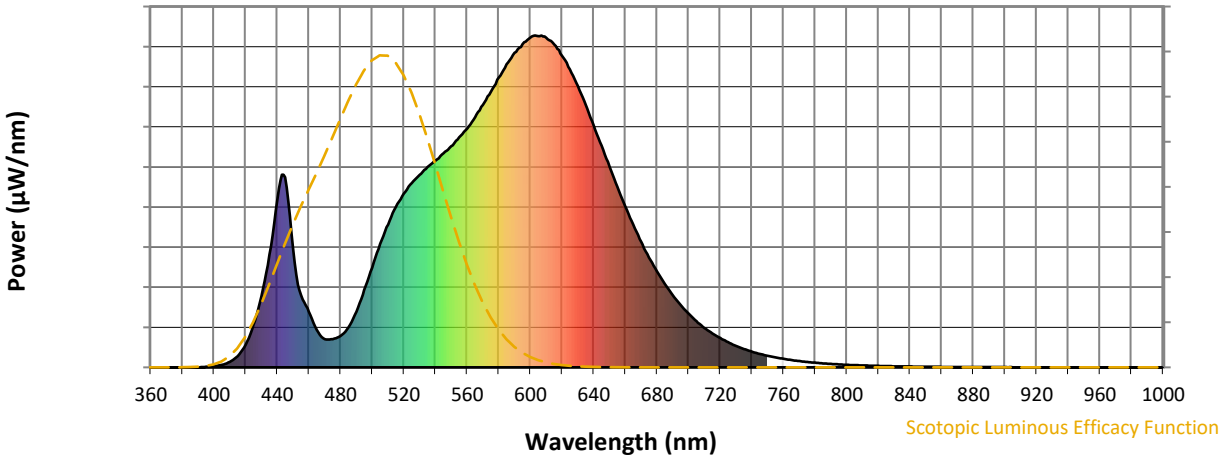


Photopic Lumens: NR

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

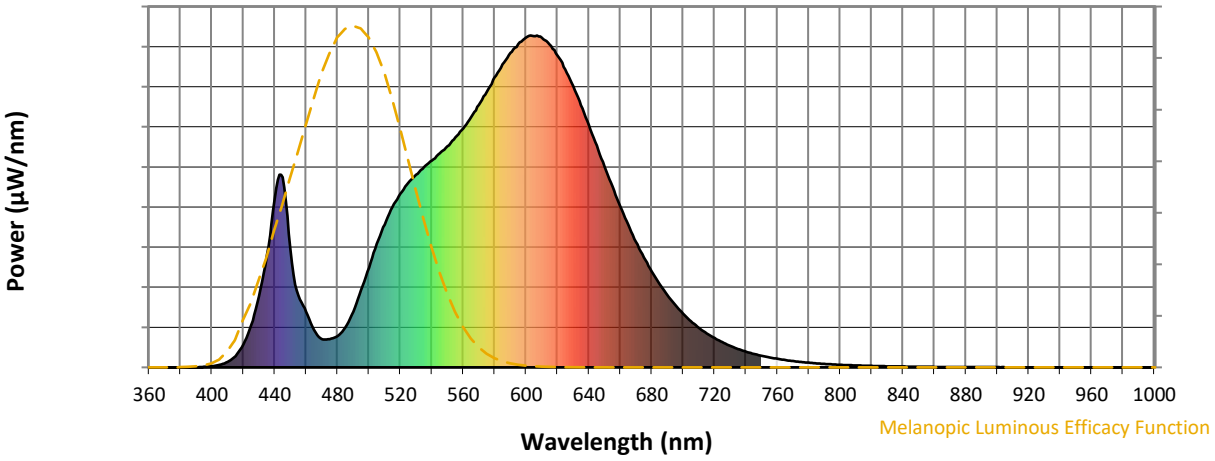


Scotopic Lumens: NR **S/P: 1.27**

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			

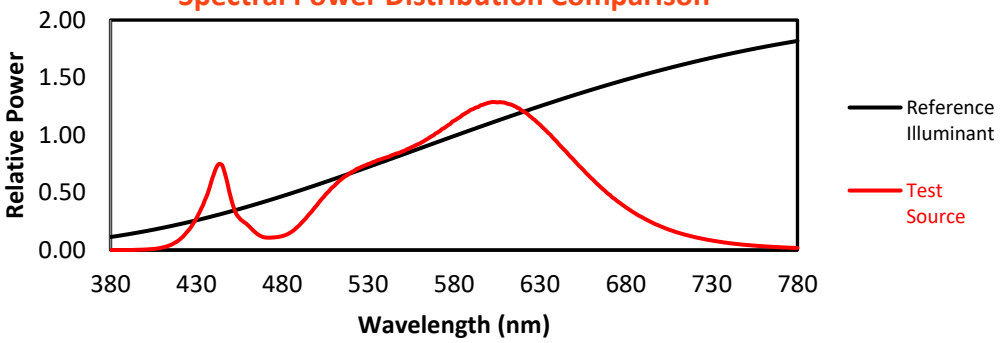
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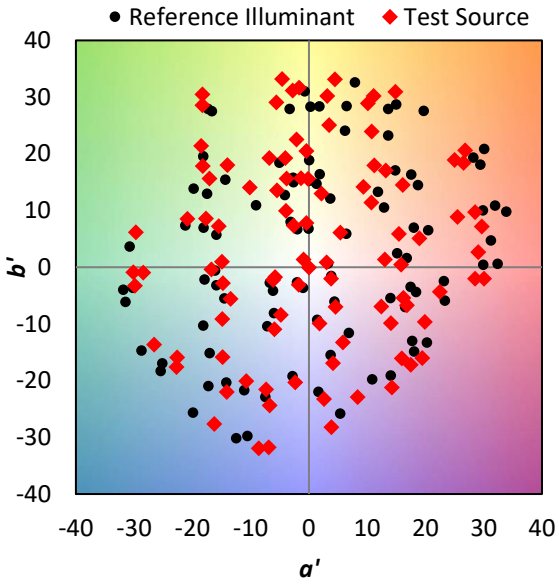
Summary

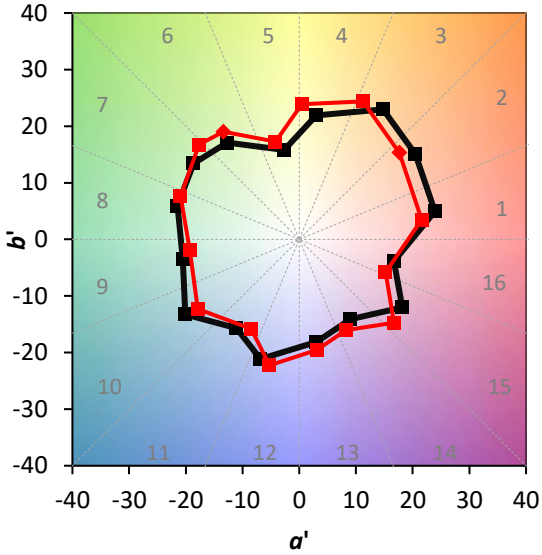
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R_g = 99.2
CIE R_a = 81.0
R_9 = 7.1

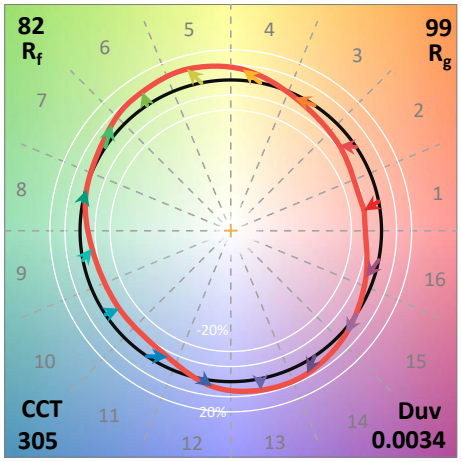
Spectral Power Distribution Comparison

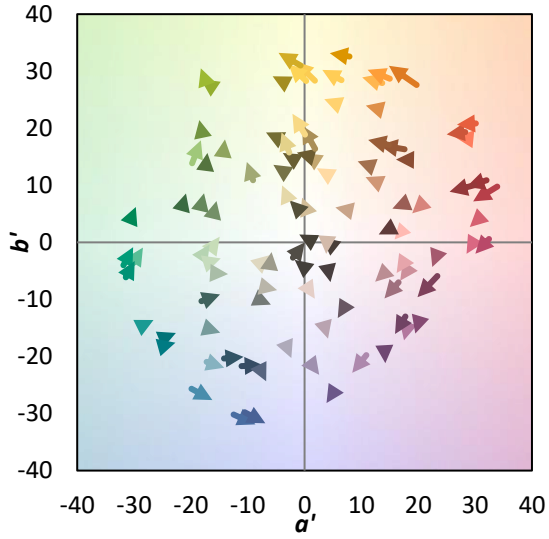


Color Vector Graphics







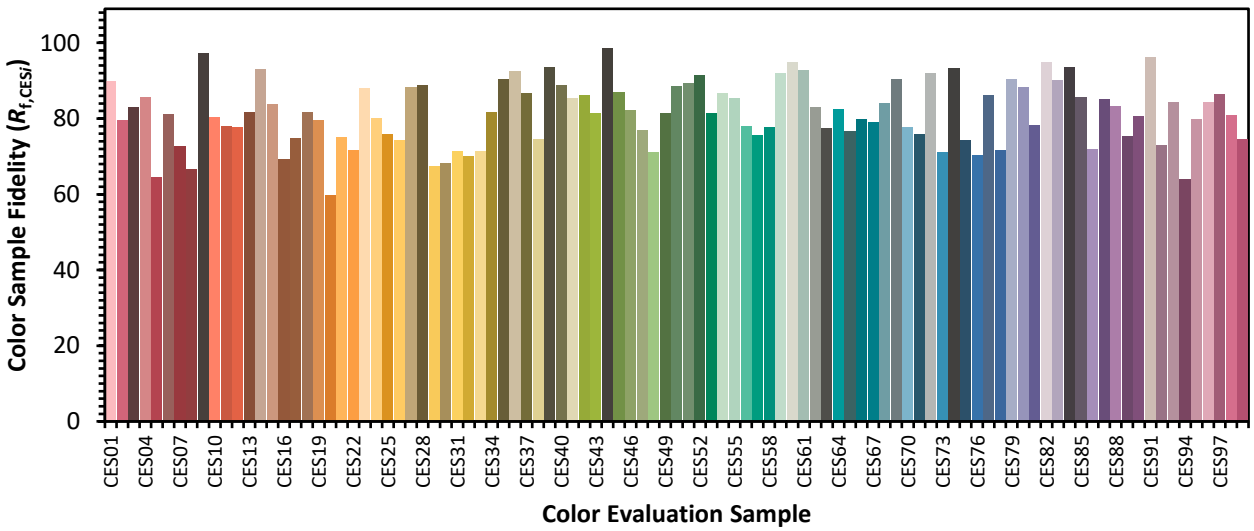


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Individual Sample Fidelity Index ($R_{f,i}$)

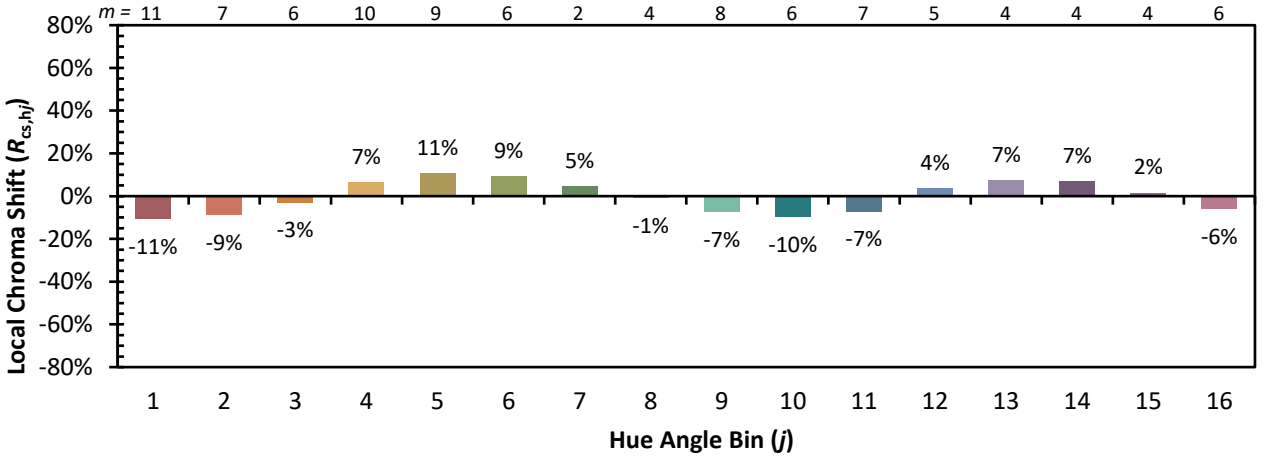
CES01 = 86	CES26 = 74	CES51 = 89	CES76 = 70
CES02 = 63	CES27 = 88	CES52 = 92	CES77 = 86
CES03 = 31	CES28 = 89	CES53 = 81	CES78 = 72
CES04 = 70	CES29 = 67	CES54 = 87	CES79 = 90
CES05 = 50	CES30 = 68	CES55 = 85	CES80 = 88
CES06 = 51	CES31 = 71	CES56 = 78	CES81 = 78
CES07 = 42	CES32 = 70	CES57 = 76	CES82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

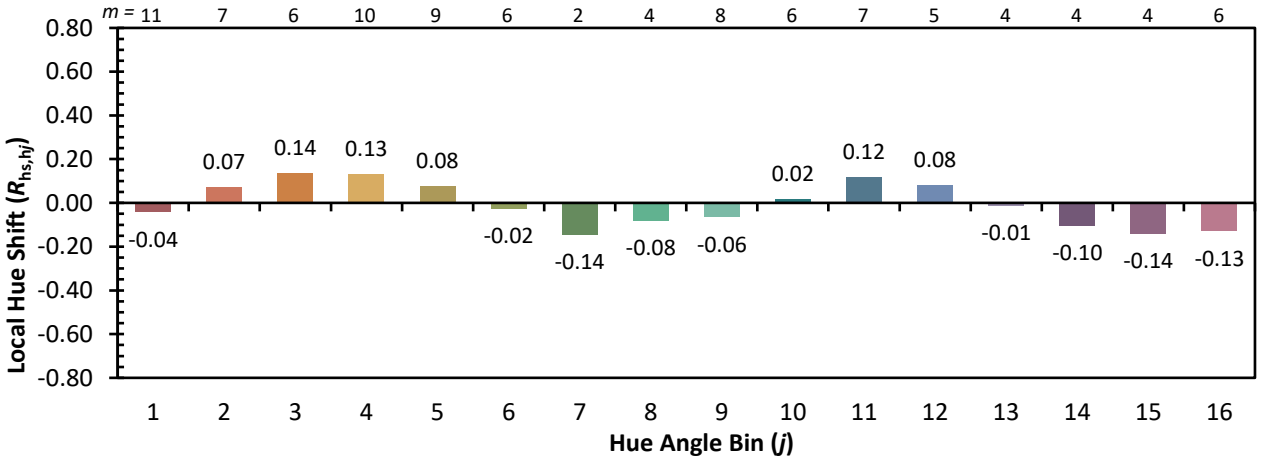


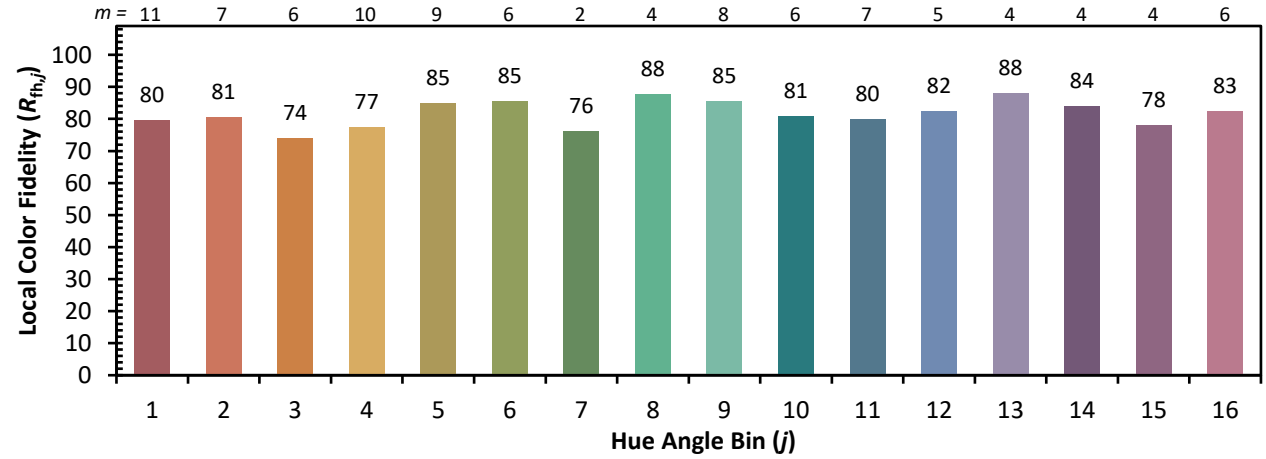
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Color Rendition by Hue-Angle Bin



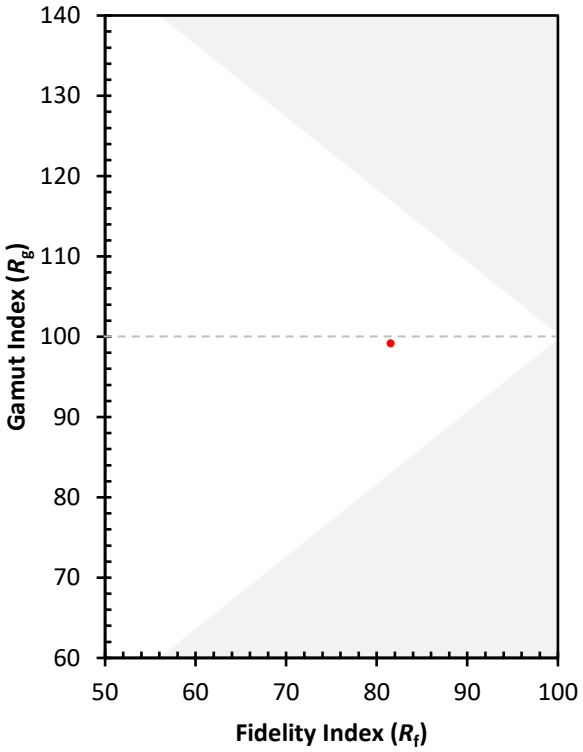


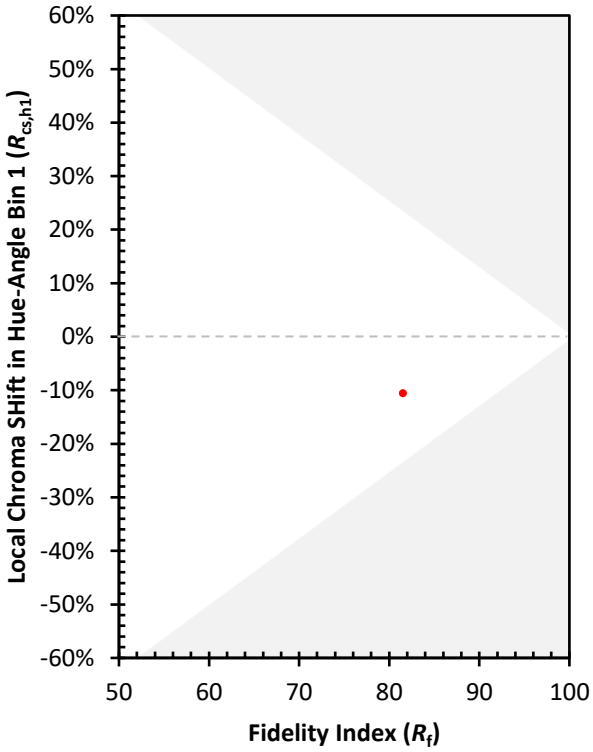


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Measure Comparisons





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