Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

Scaled data based on original data using

LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-State Lighting Products

Test Report Prepared for

Cooper Lighting Solutions

(formerly Eaton)

Brand: McGRAW-EDISON

Report Number: P386067

Luminaire Tested: **GPC-SA1C-830-U-T4FT**

Issue Date: 3/3/2020

Report Generated By 670245982

Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

Scaled Data Report

Test Information

Test Method:	LM-79-08
Report Number:	P386067
	TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-16)
Test Lab:	INNOVATION CENTER
Issue Date:	3/3/2020
Manufacturer:	COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line:	McGRAW-EDISON
Catalog Number:	GPC-SA1C-830-U-T4FT
Description:	GALLEON PEDESTRIAN LUMINAIRE
	(1) 80 CRI, 3000K, 1050mA LIGHTSQUARE WITH 16 LEDS AND TYPE IV FORWARD THROW OPTICS
Light Source:	-
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	6038 lumens
Efficiency:	N/A
Efficacy:	104.1 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):	58
Input Voltage (V):	NR
Input Current (Ain):	NR
Voltage Rise (V):	NR
Power Factor:	NR
Total Harmonic Distortion (THDi):	NR
Frequency (hertz):	60
Stabilization Time:	NR
Operation Time:	NR
Ambient Temperature (°C):	NR
Test Distance:	28.75 FT

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REPORT NUMBER: P386067
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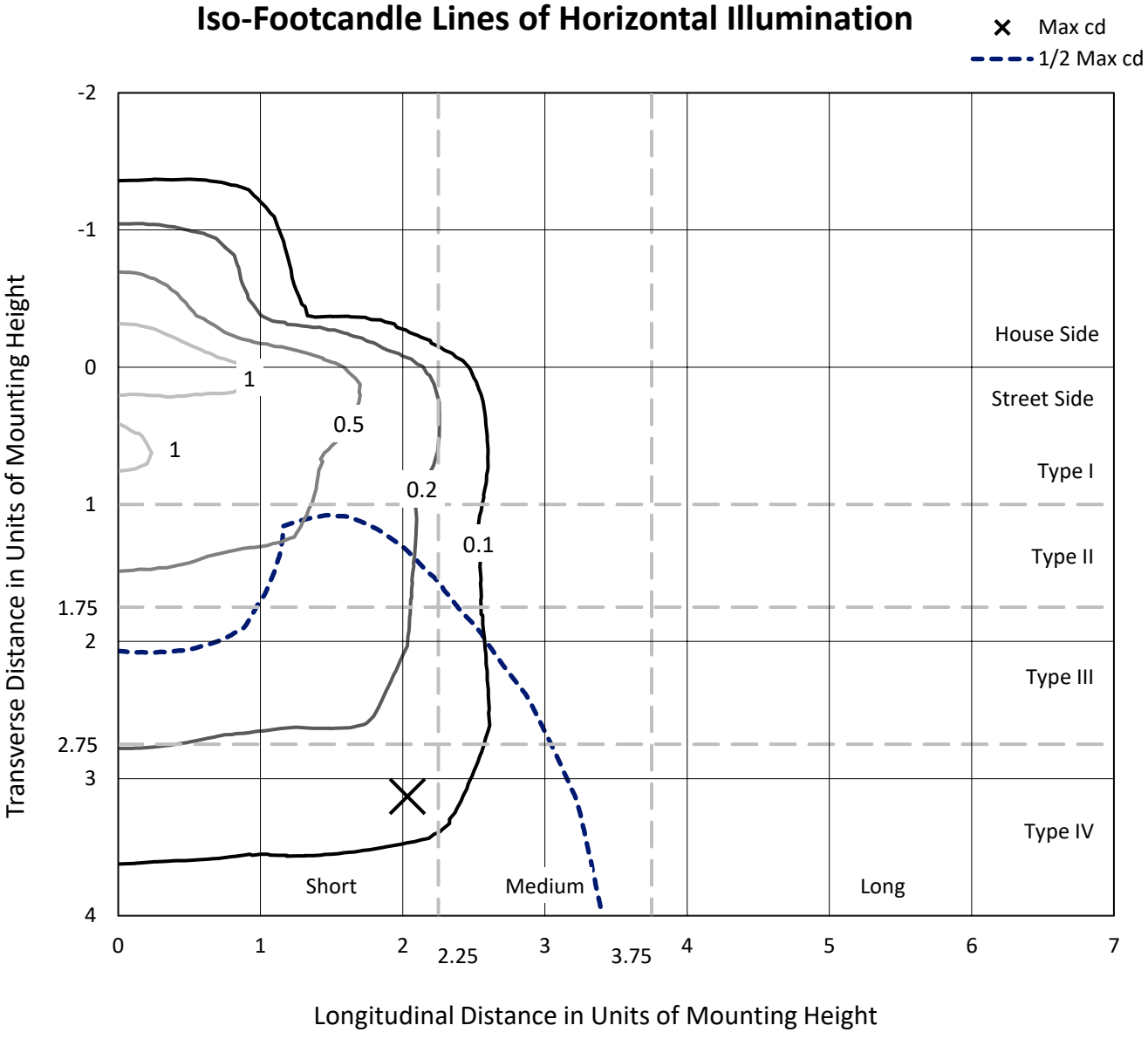
Iso-Footcandle Lines of Horizontal Illumination



Based on 25 foot mounting height. Maximum calculated value = 1.5 fc
Type IV - Short - N/A

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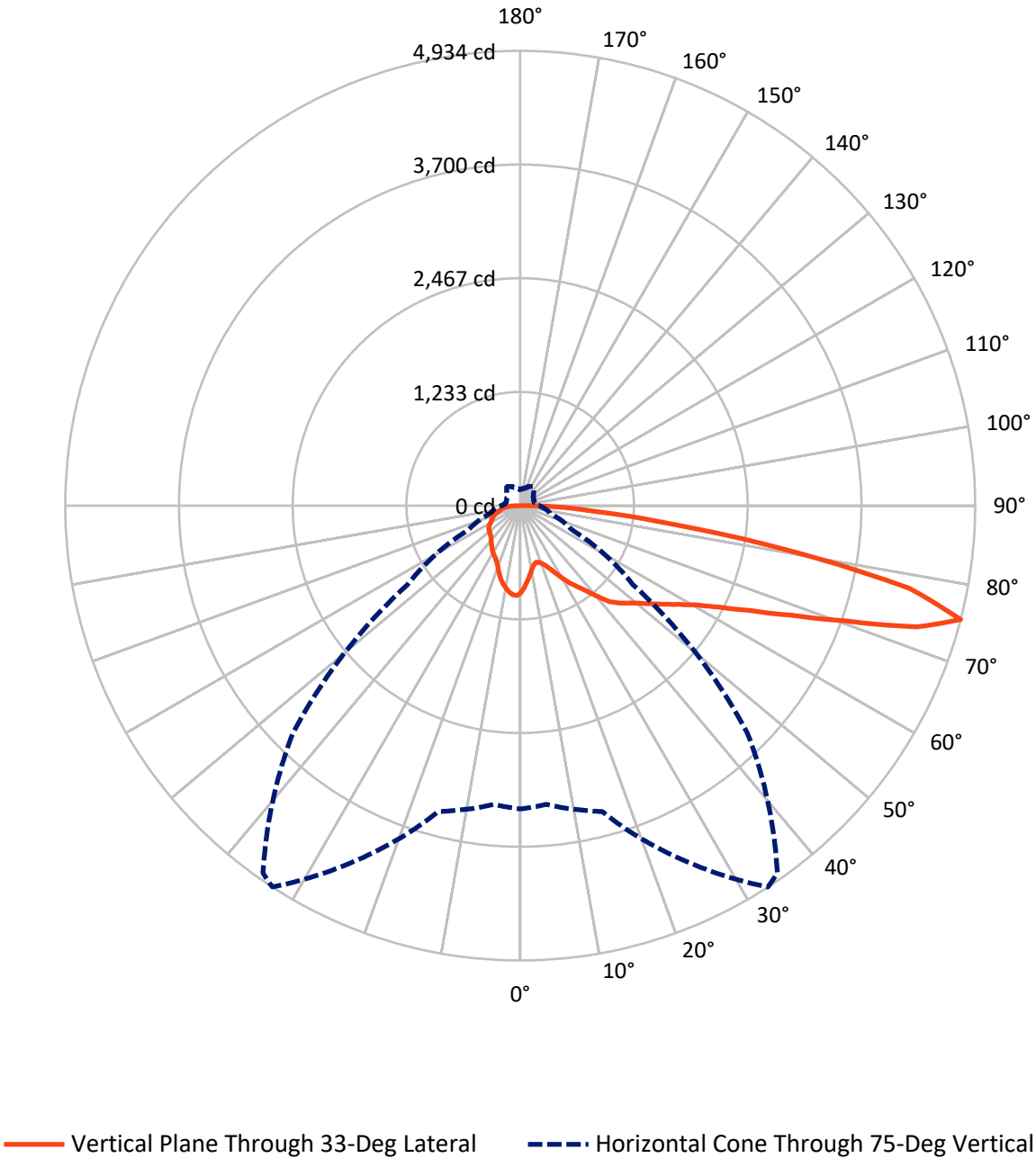
Luminous Intensity Polar Plot



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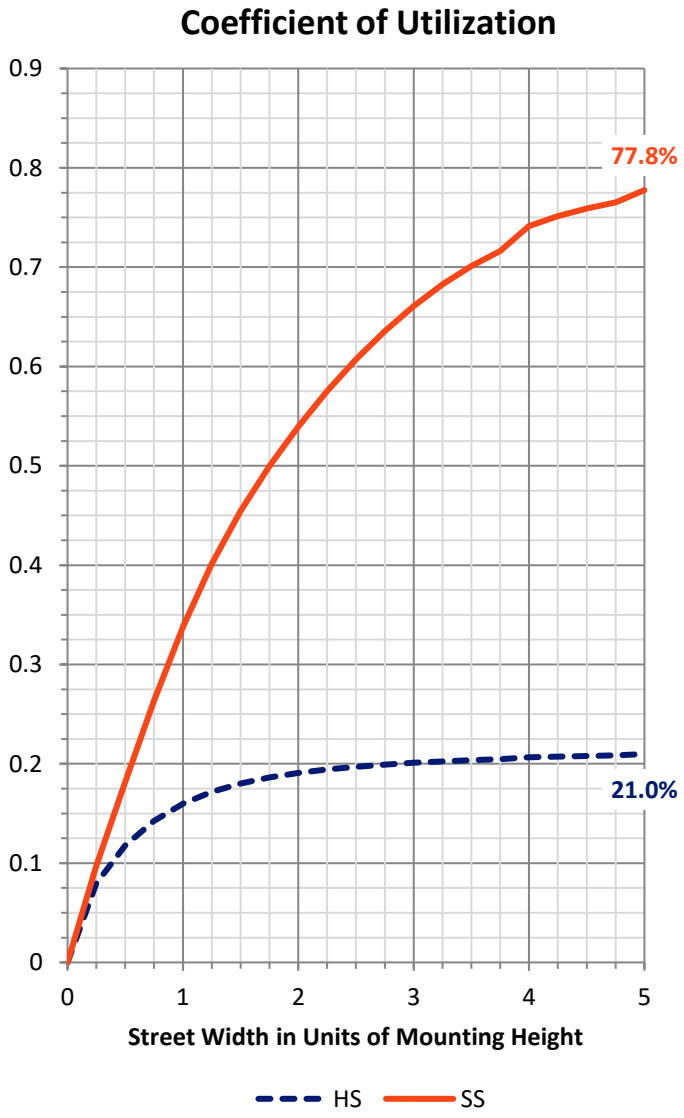
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1296.5	0.0	1296.5
	% Fixture	21.5	0.0	21.5
Street Side	Lumens	4741.5	0.0	4741.5
	% Fixture	78.5	0.0	78.5
Total	Lumens	6038.0	0.0	6038.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	85.4	1.4
10°-20°	231.2	3.8
20°-30°	377.5	6.3
30°-40°	562.2	9.3
40°-50°	806.4	13.4
50°-60°	1107.1	18.3
60°-70°	1386.0	23.0
70°-80°	1253.8	20.8
80°-90°	228.4	3.8
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°	6038.0	100.0
0°-180°	6038.0	100.0



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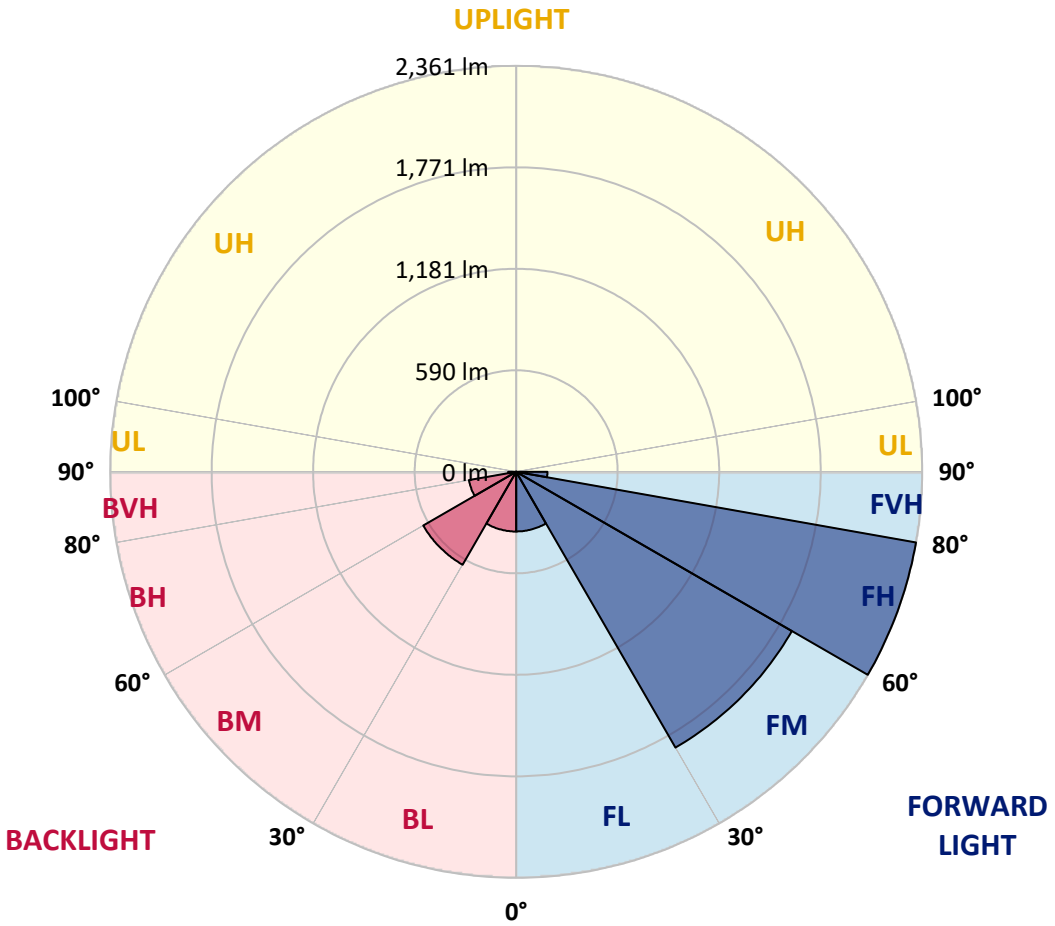
REPORT NUMBER: P386067
CATALOG NUMBER: GPC-SA1C-830-U-T4FT

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	346.8	5.7			
FM	(30°-60°)	1851.7	30.7			
FH	(60°-80°)	2361.1	39.1			G2/5000
FVH	(80°-90°)	181.9	3.0			G2/225
BL	(0°-30°)	347.3	5.8	B1/500		
BM	(30°-60°)	624.0	10.3	B1/1000		
BH	(60°-80°)	278.8	4.6	B1/500		G1/500
BVH	(80°-90°)	46.5	0.8			G1/100
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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Scaled Data Report

REPORT NUMBER: P386067
CATALOG NUMBER: GPC-SA1C-830-U-T4FT

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	33°	35°	45°	55°	65°	75°	85°
0°	943.8	943.8	943.8	943.8	*943.8*	943.8	943.8	943.8	943.8	943.8	943.8
2.5°	876.4	873.1	879.3	880.2	*885.6*	887.7	895.2	906.9	916.5	927.5	937.5
5°	796.9	794.6	803.4	809.7	*821.6*	826.6	844.3	869.1	891.2	916.2	939.0
7.5°	721.4	720.2	730.0	744.2	*757.9*	764.8	795.5	831.6	868.5	908.9	943.8
10°	657.8	657.4	666.8	680.8	*701.0*	708.7	748.3	795.9	847.6	903.3	951.9
12.5°	622.2	623.6	628.0	639.7	*658.5*	666.2	710.2	766.1	830.1	901.4	963.8
15°	630.9	633.2	625.7	625.3	*638.6*	644.7	686.0	744.8	817.6	904.6	981.1
17.5°	668.3	668.7	648.9	636.3	*644.5*	647.6	678.5	732.7	810.3	911.7	1002.8
20°	720.8	719.8	684.7	663.9	*668.3*	669.1	689.1	732.9	809.7	924.0	1031.0
22.5°	790.5	782.8	735.6	707.3	*706.2*	705.0	716.4	748.3	818.8	944.0	1064.5
25°	881.4	874.1	809.2	770.5	*762.1*	759.0	760.6	781.3	837.0	965.5	1102.1
27.5°	982.6	969.8	907.3	852.4	*835.1*	830.7	820.7	827.8	856.8	986.1	1146.7
30°	1067.2	1060.4	1005.7	940.6	*920.2*	913.9	887.7	880.0	885.4	1014.3	1203.0
32.5°	1114.6	1110.0	1076.8	1024.3	*1005.3*	996.5	959.4	944.0	931.3	1058.7	1279.4
35°	1171.9	1169.0	1149.0	1110.8	*1082.7*	1073.5	1044.7	1028.7	995.9	1119.8	1378.0
37.5°	1244.9	1241.8	1242.2	1211.4	*1177.8*	1169.2	1150.3	1133.4	1079.8	1200.1	1485.2
40°	1327.5	1321.5	1319.2	1317.7	*1296.5*	1291.7	1281.7	1258.7	1184.9	1296.0	1591.0
42.5°	1451.8	1430.4	1384.5	1401.8	*1422.9*	1420.4	1428.5	1395.5	1301.7	1409.5	1694.2
45°	1571.8	1536.5	1457.3	1461.0	*1507.1*	1521.1	1582.0	1558.6	1428.3	1533.8	1801.0
47.5°	1626.4	1599.7	1532.4	1532.6	*1578.2*	1607.2	1740.7	1724.0	1561.3	1675.0	1931.3
50°	1687.5	1660.8	1600.3	1623.1	*1662.9*	1693.8	1894.0	1885.5	1687.9	1829.6	2087.6
52.5°	1754.3	1709.0	1670.6	1711.3	*1767.2*	1803.1	2047.5	2024.2	1804.1	1985.2	2267.1
55°	1755.1	1742.8	1772.0	1801.8	*1885.5*	1929.5	2208.3	2146.6	1898.8	2138.0	2413.3
57.5°	1855.0	1835.0	1896.9	1910.7	*2020.0*	2069.6	2368.3	2253.2	1995.2	2255.3	2492.2
60°	1987.2	1970.1	2020.8	2057.1	*2186.4*	2252.8	2539.1	2362.7	2070.9	2343.7	2488.4
62.5°	2215.6	2196.2	2195.6	2246.5	*2420.6*	2497.8	2730.8	2470.1	2100.9	2361.2	2382.3
65°	2550.0	2519.1	2460.9	2485.1	*2744.1*	2821.1	2945.0	2547.9	2061.3	2267.4	2108.8
67.5°	2875.3	2874.3	2802.7	2852.4	*3171.3*	3233.0	3189.0	2555.6	1937.6	1940.5	1623.7
70°	3199.7	3203.8	3191.7	3364.4	*3748.4*	3812.6	3448.9	2451.9	1659.6	1401.4	972.8
72.5°	3456.6	3455.6	3516.5	3961.8	*4497.4*	4483.0	3667.9	2137.8	1191.6	756.5	464.9
75°	*3290.2*	*3253.9*	*3435.3*	*4257.5*	*4933.9*	*4863.6*	*3481.6*	*1491.3*	*618.4*	*344.3*	*250.3*
77.5°	2146.0	2180.4	2446.7	3517.1	*4315.7*	4230.2	2554.3	695.8	291.4	225.9	181.5
80°	777.1	813.4	1145.7	1992.2	*2973.4*	2959.4	1257.9	285.9	197.1	170.6	132.2
82.5°	267.4	280.7	452.0	884.7	*1678.8*	1741.3	473.2	162.5	143.3	121.0	90.5
85°	104.9	120.1	206.7	425.7	*846.8*	853.0	191.7	97.2	99.7	79.3	49.6
87.5°	39.8	48.4	98.9	197.7	*386.7*	355.2	68.6	46.3	56.7	47.1	23.6
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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REPORT NUMBER: P386067
CATALOG NUMBER: GPC-SA1C-830-U-T4FT

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	943.8	943.8	943.8	943.8	943.8	943.8	943.8	943.8	943.8	943.8	943.8
2.5°	945.2	949.6	958.8	965.0	971.7	973.6	974.4	976.1	977.8	977.1	977.4
5°	951.1	959.6	974.4	980.7	983.6	980.3	973.8	968.6	964.8	962.8	962.1
7.5°	960.7	972.8	988.6	987.6	980.9	966.1	949.4	936.9	926.5	922.7	920.6
10°	973.4	987.6	998.6	986.7	967.3	941.7	916.7	897.3	881.6	875.6	874.5
12.5°	989.7	1004.0	1006.1	980.9	948.8	913.7	879.7	854.1	830.7	823.2	821.6
15°	1010.7	1024.3	1011.3	970.7	925.8	878.7	834.7	799.9	775.2	766.1	762.7
17.5°	1032.8	1045.8	1012.4	953.8	895.8	837.2	781.9	746.3	718.1	707.5	706.2
20°	1059.3	1065.2	1008.0	929.6	854.5	783.4	725.2	691.6	676.6	669.1	668.3
22.5°	1092.1	1085.8	998.0	896.8	802.2	721.2	673.9	658.2	654.5	652.8	653.4
25°	1126.7	1107.5	983.2	854.1	736.0	659.1	636.3	640.7	645.7	645.1	645.1
27.5°	1164.9	1129.6	960.5	797.4	662.8	608.2	610.9	627.0	634.5	634.3	634.0
30°	1213.9	1154.6	931.5	729.2	594.4	572.3	588.8	608.4	618.6	618.2	618.4
32.5°	1274.1	1182.2	892.0	653.0	545.0	545.8	564.8	584.2	596.1	595.0	595.3
35°	1344.6	1213.0	838.7	577.9	512.2	524.8	539.8	553.3	564.6	563.1	561.7
37.5°	1421.4	1243.3	767.7	510.8	485.5	505.2	517.7	520.0	525.2	521.4	518.7
40°	1494.4	1266.4	676.4	455.7	458.6	488.5	496.6	487.4	478.0	476.8	473.0
42.5°	1558.0	1274.1	584.0	411.7	430.3	470.9	476.0	456.8	439.9	431.9	428.6
45°	1625.2	1276.9	497.9	374.8	403.0	455.3	460.7	435.1	411.3	394.2	388.6
47.5°	1713.0	1296.5	430.9	347.5	382.1	444.9	452.6	417.8	386.9	362.5	357.3
50°	1827.9	1335.3	376.5	326.6	368.5	438.0	446.8	400.9	366.9	337.5	332.2
52.5°	1955.5	1370.9	332.5	309.7	355.4	425.9	439.2	388.8	348.1	314.3	308.7
55°	2044.8	1343.6	297.0	292.2	338.3	408.6	428.8	378.6	321.2	291.8	286.8
57.5°	2061.9	1250.2	270.1	274.1	317.7	386.9	412.8	355.8	306.6	282.0	276.8
60°	2015.2	1120.0	250.1	257.4	295.5	359.6	382.7	339.8	292.6	271.6	267.2
62.5°	1897.8	986.7	235.3	242.4	274.9	331.8	364.0	322.9	278.4	259.7	255.3
65°	1660.6	828.4	221.1	229.0	255.7	307.8	347.1	307.2	264.5	250.1	245.9
67.5°	1253.5	620.5	207.7	214.8	238.6	287.0	328.7	291.8	250.9	241.7	236.7
70°	738.1	388.6	192.5	200.0	220.7	265.3	309.1	274.9	234.0	229.8	223.4
72.5°	343.5	233.8	175.2	182.5	198.1	236.3	283.9	252.8	214.0	204.8	196.1
75°	*205.0*	*171.0*	*154.8*	*161.2*	*172.3*	*205.4*	*252.2*	*230.3*	*195.0*	*182.9*	*173.7*
77.5°	153.3	130.8	132.2	139.1	148.1	179.8	223.4	212.5	180.4	171.0	164.8
80°	110.3	99.3	107.8	115.3	124.7	163.5	214.0	196.5	163.1	150.6	144.7
82.5°	73.6	71.3	81.1	88.9	98.0	143.1	201.1	172.1	139.3	123.5	110.5
85°	40.7	43.0	54.6	58.0	65.9	100.7	164.8	138.3	104.9	84.5	80.7
87.5°	16.9	19.8	29.4	28.4	35.0	60.1	108.5	83.4	66.7	49.8	38.8
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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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

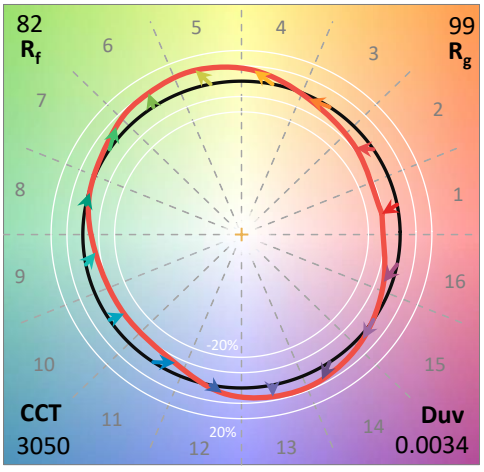
Test Information

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

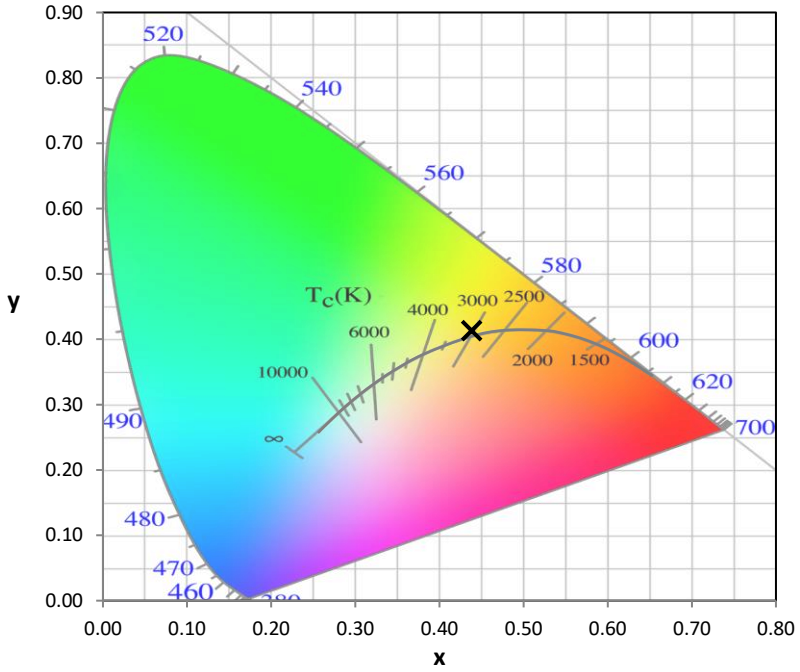
Stabilization Time:	20M
Operation Time:	1H 20M
Sphere Temperature (°C):	24.2

REPORT NUMBER: SP1-2408-195-9

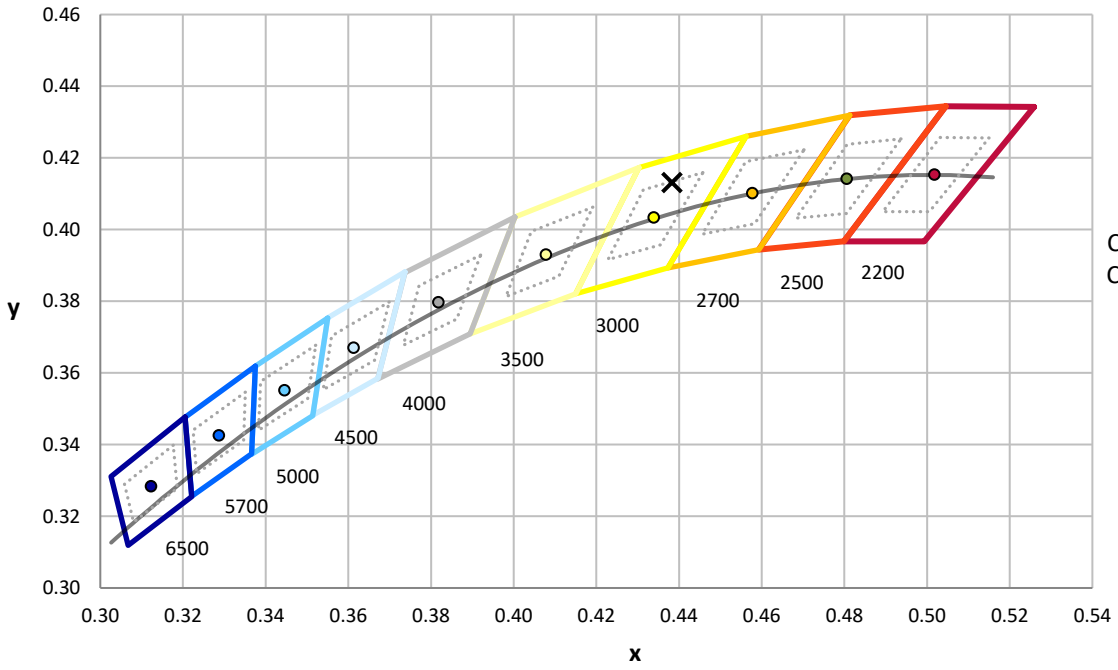
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

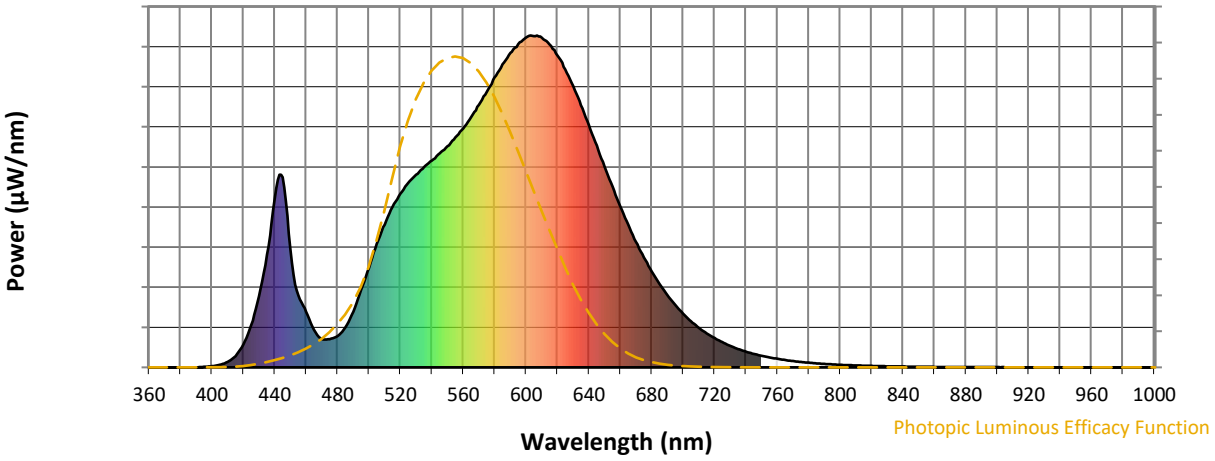


CCT = 3050K
CIE x = 0.4383
CIE y = 0.4131
Duv = 0.0034

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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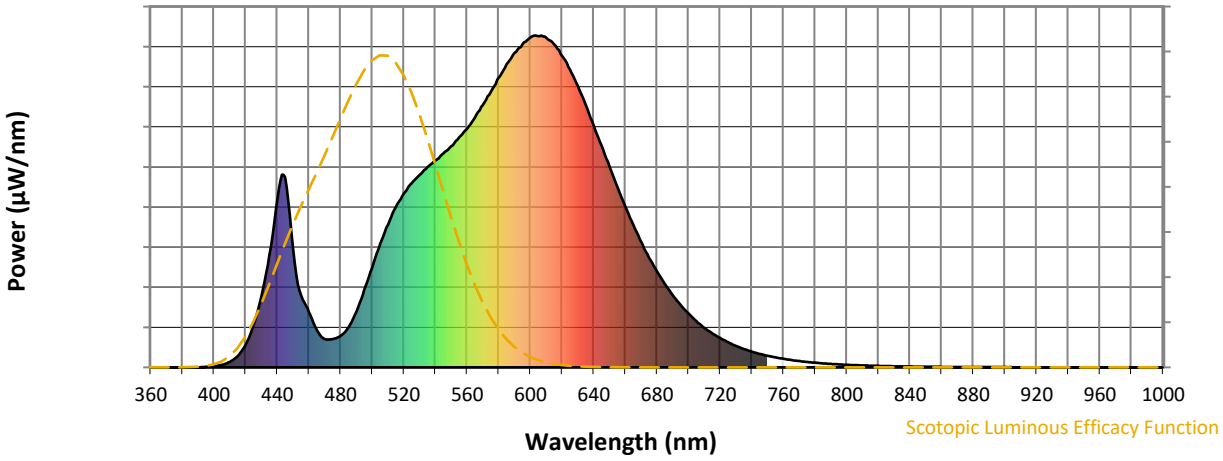
Scotopic Flux vs. Wavelength



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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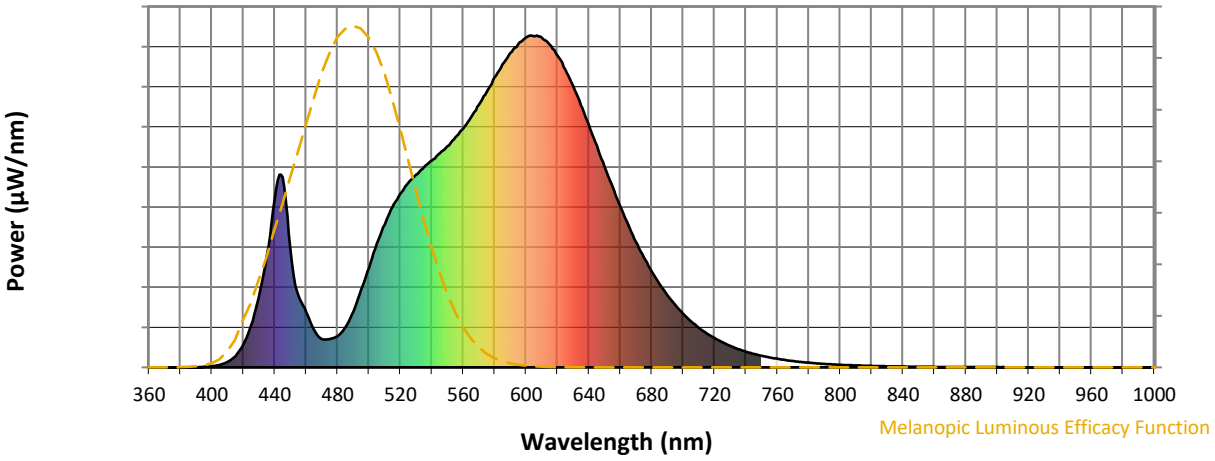
Melanopic Flux vs. Wavelength



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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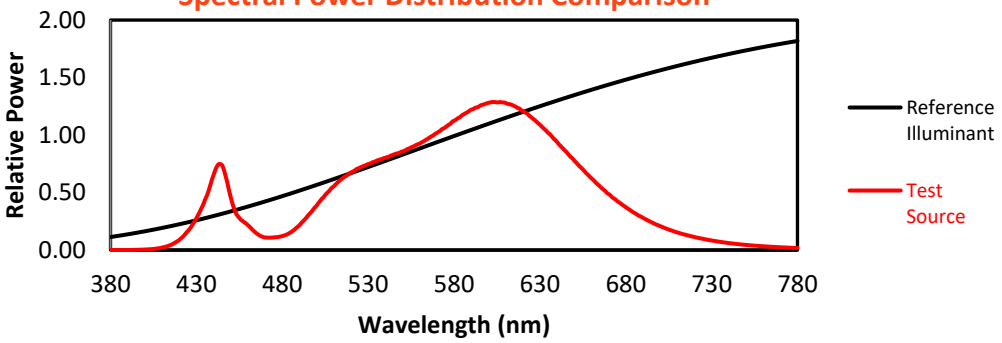
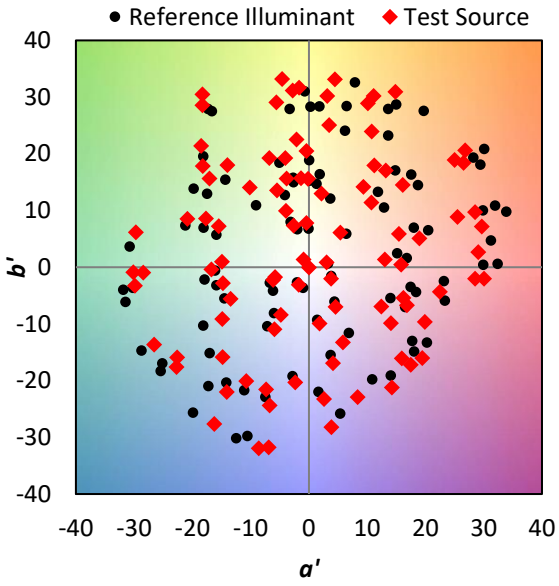
Summary

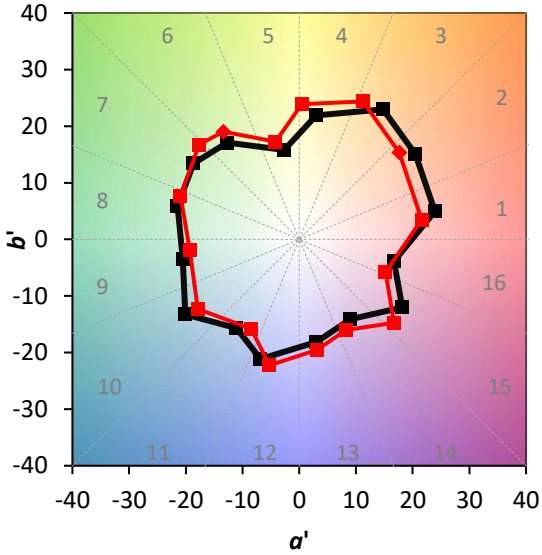
R_f = 81.5
R_g = 99.2
CIE R_a = 81.0
R_9 = 7.1

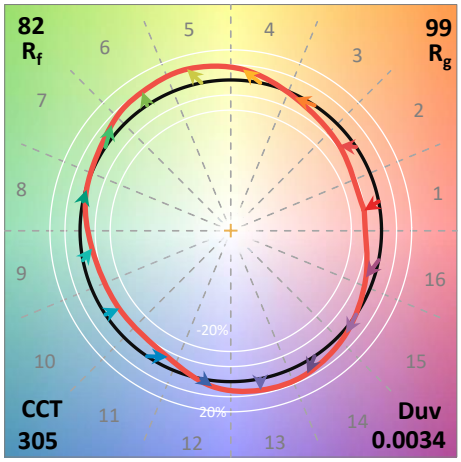
Spectral Power Distribution Comparison

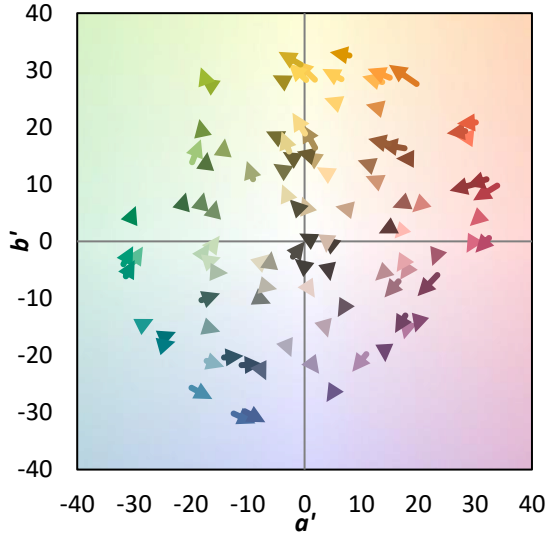


Color Vector Graphics









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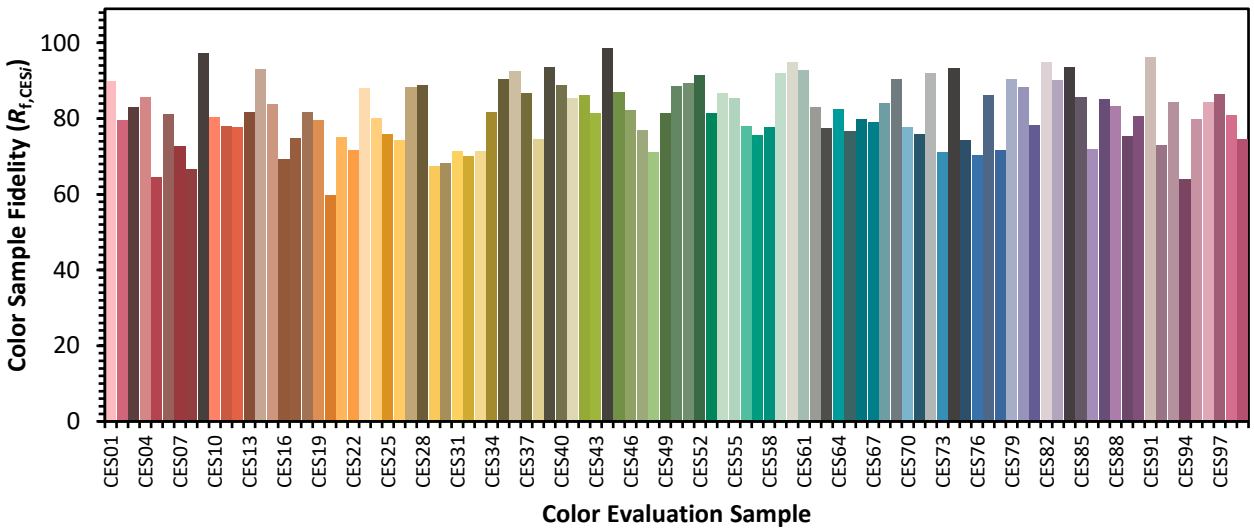
Individual Sample Fidelity Index ($R_{f,i}$)

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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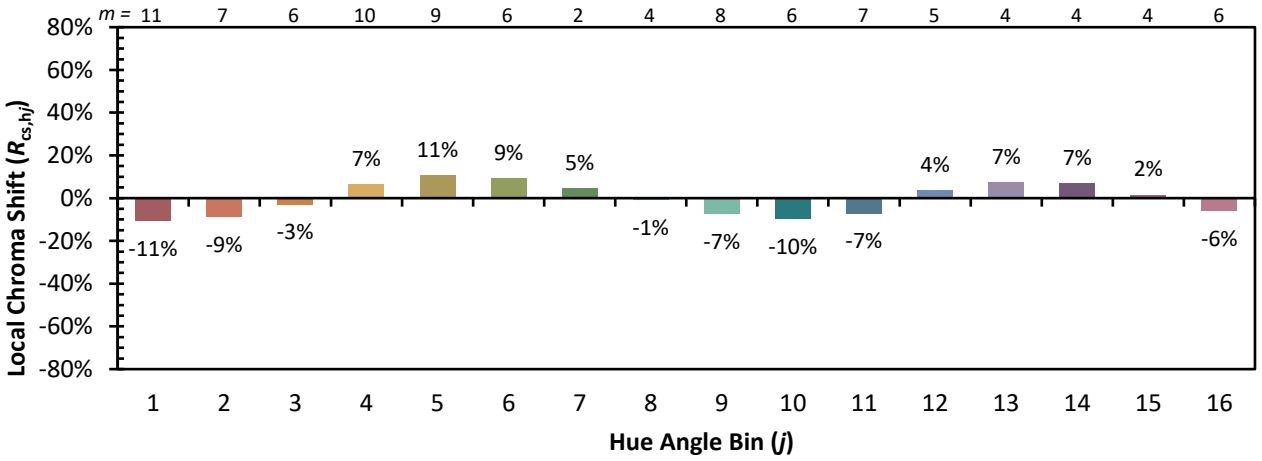
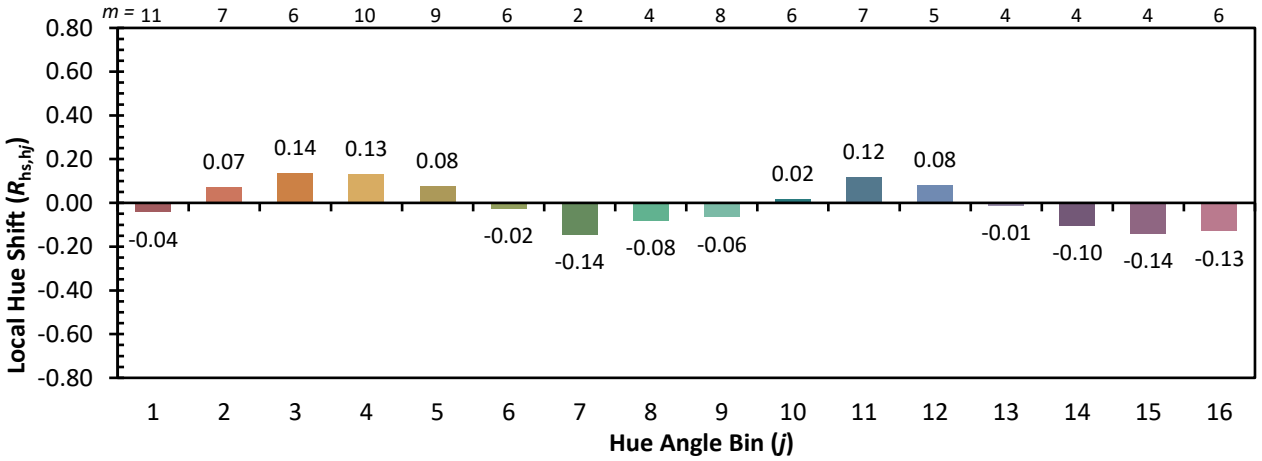
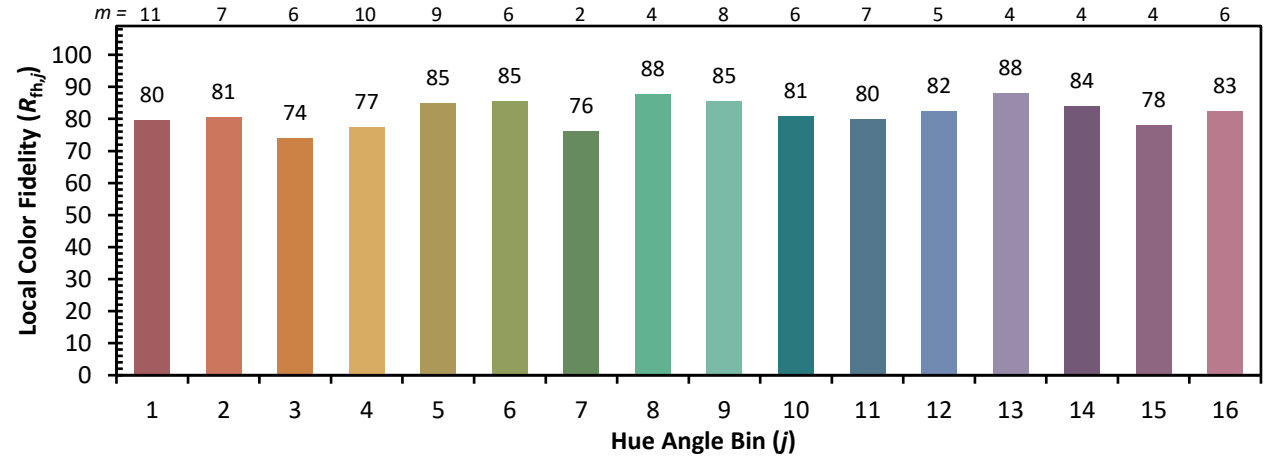
Color Rendition by Hue-Angle Bin







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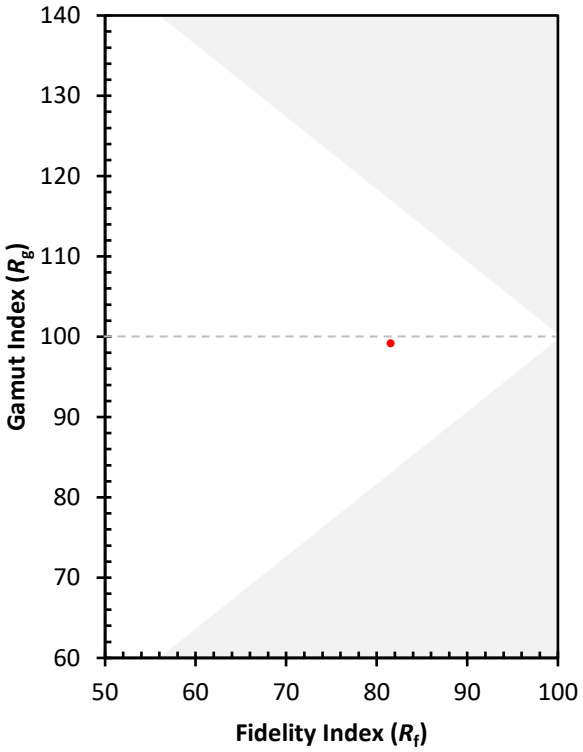
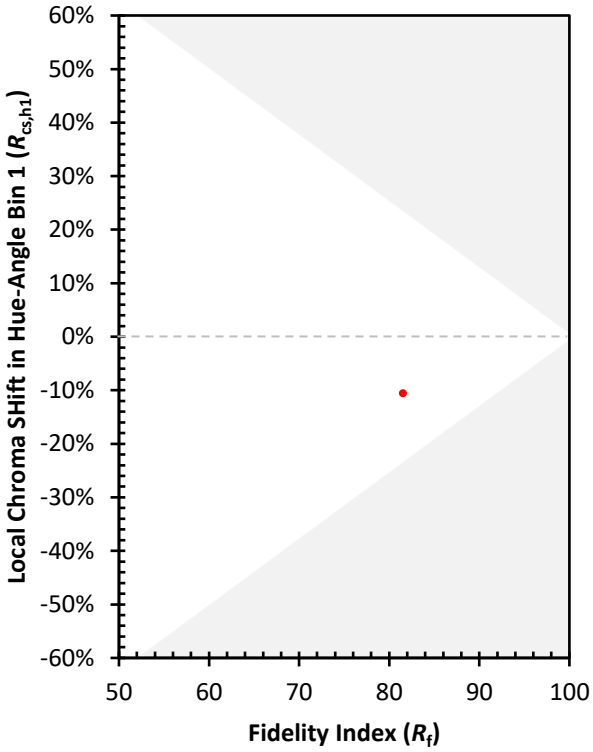
Measure Comparisons





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