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: P385619

Luminaire Tested: **GPC-SA1A-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:	P385619
	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-SA1A-830-U-T4FT
Description:	GALLEON PEDESTRIAN LUMINAIRE
	(1) 80 CRI, 3000K, 615mA LIGHTSQUARE WITH 16 LEDS AND TYPE IV FORWARD THROW OPTICS
Light Source:	-
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	3980 lumens
Efficiency:	N/A
Efficacy:	117.1 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):	34
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: P385619
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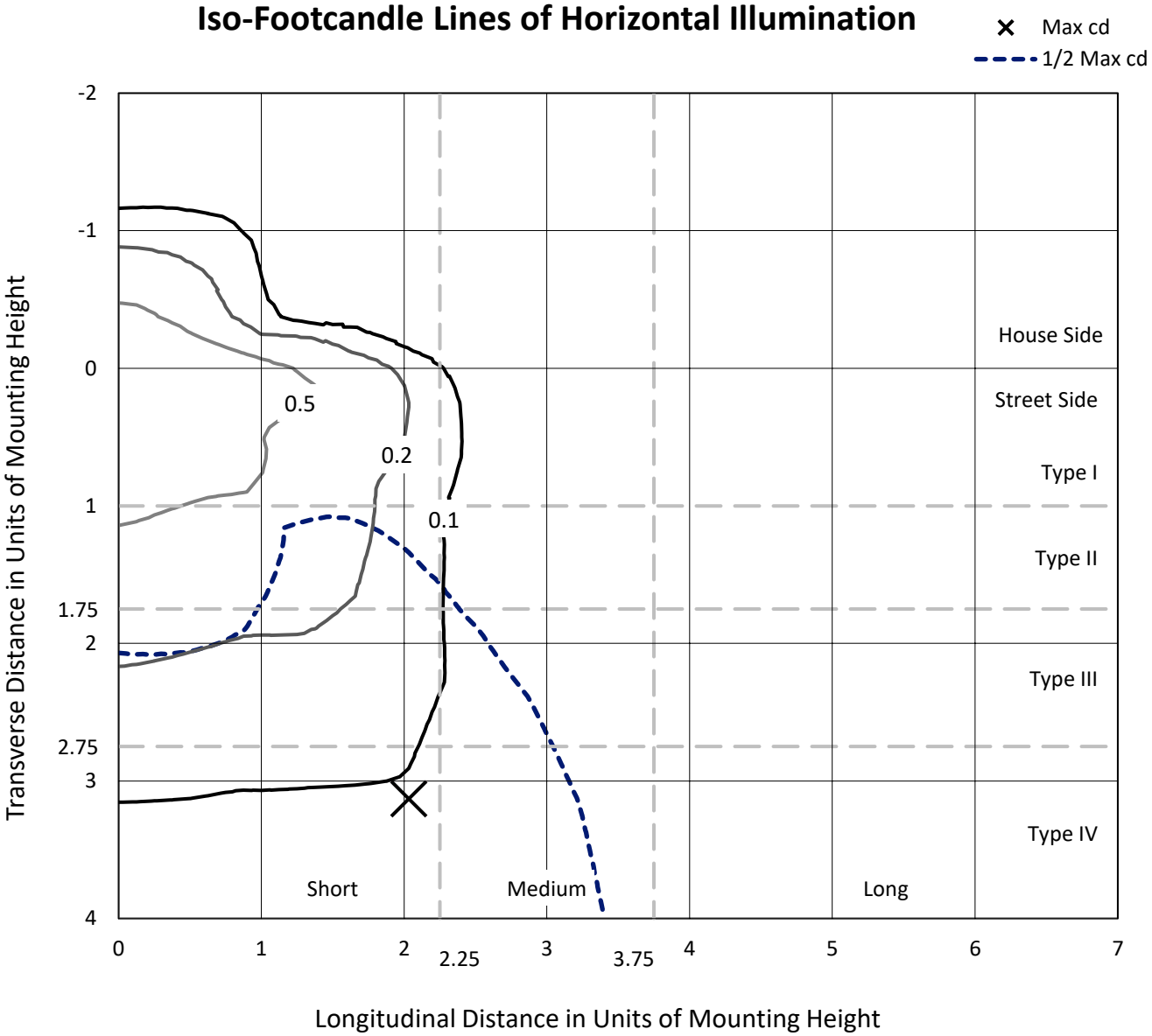
Iso-Footcandle Lines of Horizontal Illumination



Based on 25 foot mounting height. Maximum calculated value = 1 fc
Type IV - Short - N/A

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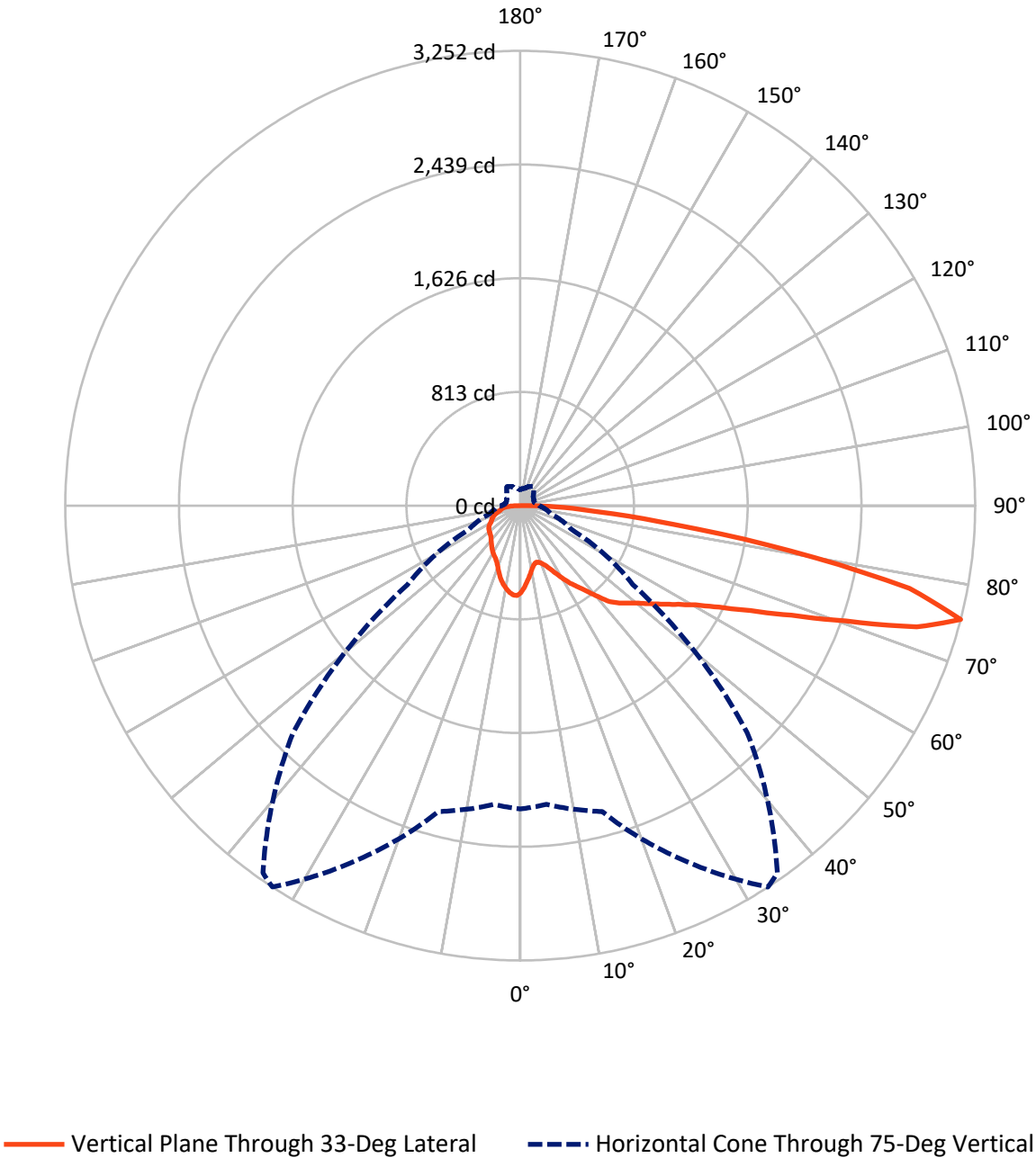
Luminous Intensity Polar Plot



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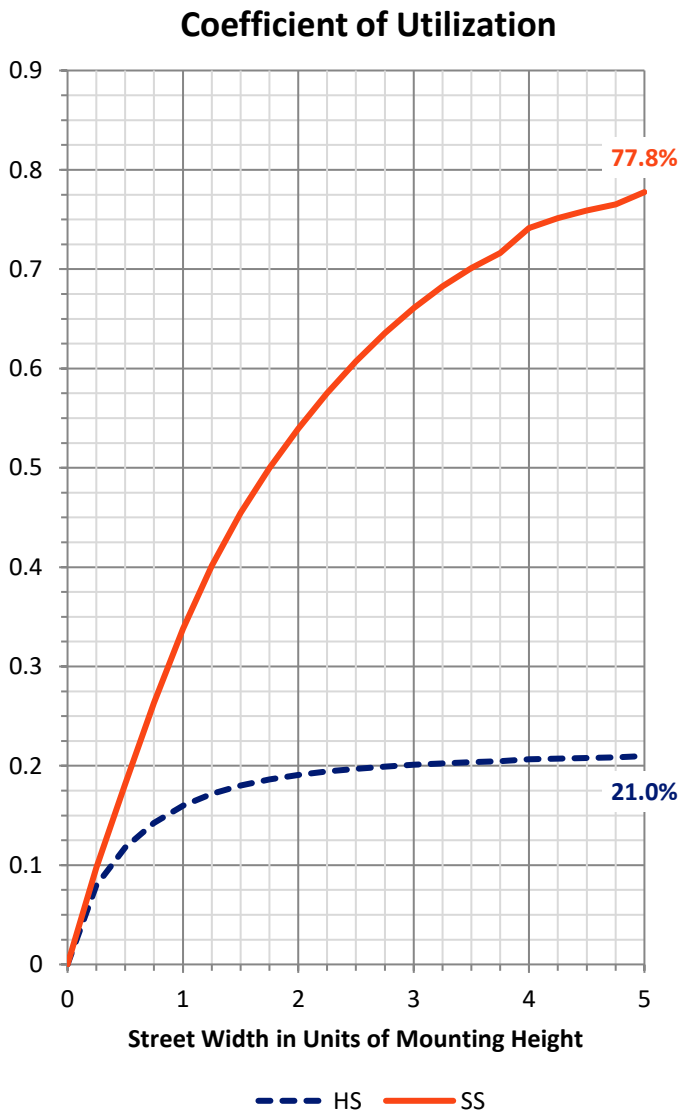
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	854.6	0.0	854.6
	% Fixture	21.5	0.0	21.5
Street Side	Lumens	3125.4	0.0	3125.4
	% Fixture	78.5	0.0	78.5
Total	Lumens	3980.0	0.0	3980.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	56.3	1.4
10°-20°	152.4	3.8
20°-30°	248.9	6.3
30°-40°	370.6	9.3
40°-50°	531.5	13.4
50°-60°	729.7	18.3
60°-70°	913.6	23.0
70°-80°	826.5	20.8
80°-90°	150.5	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°	3980.0	100.0
0°-180°	3980.0	100.0



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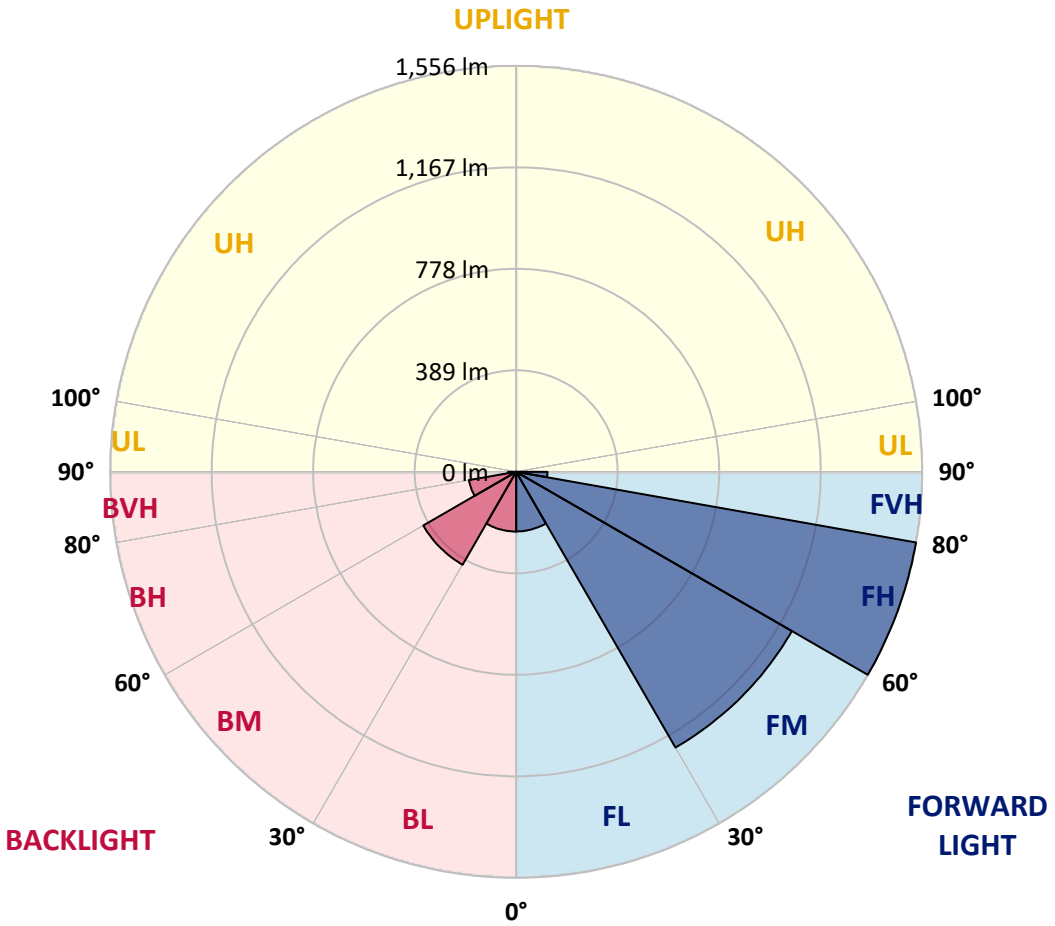
LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	228.6	5.7			
FM	(30°-60°)	1220.6	30.7			
FH	(60°-80°)	1556.3	39.1			G1/1800
FVH	(80°-90°)	119.9	3.0			G2/225
BL	(0°-30°)	228.9	5.8	B1/500		
BM	(30°-60°)	411.3	10.3	B1/1000		
BH	(60°-80°)	183.8	4.6	B1/500		G1/500
BVH	(80°-90°)	30.6	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: P385619
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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	33°	35°	45°	55°	65°	75°	85°
0°	622.1	622.1	622.1	622.1	*622.1*	622.1	622.1	622.1	622.1	622.1	622.1
2.5°	577.7	575.5	579.6	580.2	*583.7*	585.1	590.1	597.8	604.1	611.4	618.0
5°	525.3	523.8	529.6	533.7	*541.5*	544.8	556.5	572.9	587.5	603.9	618.9
7.5°	475.5	474.7	481.2	490.5	*499.6*	504.1	524.3	548.1	572.5	599.1	622.1
10°	433.6	433.3	439.5	448.7	*462.1*	467.2	493.3	524.6	558.7	595.4	627.5
12.5°	410.1	411.1	414.0	421.7	*434.0*	439.1	468.1	505.0	547.2	594.2	635.3
15°	415.9	417.4	412.4	412.2	*421.0*	425.0	452.2	490.9	538.9	596.3	646.7
17.5°	440.5	440.8	427.7	419.5	*424.8*	426.9	447.2	483.0	534.1	600.9	661.0
20°	475.1	474.4	451.3	437.6	*440.5*	441.0	454.2	483.1	533.7	609.0	679.6
22.5°	521.0	516.0	484.9	466.2	*465.5*	464.7	472.2	493.3	539.7	622.2	701.7
25°	581.0	576.2	533.4	507.9	*502.4*	500.3	501.4	515.0	551.7	636.4	726.4
27.5°	647.7	639.3	598.0	561.9	*550.5*	547.6	541.0	545.7	564.8	650.0	755.9
30°	703.5	698.9	662.9	620.0	*606.6*	602.4	585.1	580.0	583.6	668.6	793.0
32.5°	734.7	731.7	709.8	675.2	*662.7*	656.9	632.4	622.2	613.8	697.8	843.3
35°	772.5	770.6	757.4	732.2	*713.7*	707.6	688.6	678.1	656.5	738.1	908.3
37.5°	820.6	818.6	818.8	798.5	*776.3*	770.7	758.2	747.1	711.7	791.1	979.0
40°	875.1	871.1	869.6	868.6	*854.6*	851.4	844.8	829.7	781.0	854.3	1048.7
42.5°	957.0	942.8	912.6	924.0	*937.9*	936.2	941.6	919.9	858.0	929.1	1116.7
45°	1036.0	1012.8	960.6	963.0	*993.4*	1002.6	1042.8	1027.4	941.5	1011.0	1187.1
47.5°	1072.1	1054.5	1010.1	1010.2	*1040.3*	1059.4	1147.4	1136.4	1029.2	1104.1	1273.1
50°	1112.3	1094.8	1054.9	1069.9	*1096.1*	1116.5	1248.5	1242.8	1112.6	1206.0	1376.0
52.5°	1156.3	1126.5	1101.2	1128.0	*1164.9*	1188.5	1349.6	1334.2	1189.2	1308.5	1494.4
55°	1156.9	1148.8	1168.0	1187.7	*1242.8*	1271.8	1455.6	1414.9	1251.6	1409.3	1590.8
57.5°	1222.7	1209.5	1250.4	1259.5	*1331.5*	1364.2	1561.1	1485.2	1315.1	1486.6	1642.7
60°	1309.9	1298.6	1332.0	1356.0	*1441.2*	1484.9	1673.7	1557.4	1365.0	1544.9	1640.3
62.5°	1460.4	1447.7	1447.3	1480.8	*1595.6*	1646.5	1800.0	1628.2	1384.8	1556.4	1570.3
65°	1680.8	1660.5	1622.1	1638.1	*1808.8*	1859.6	1941.2	1679.5	1358.7	1494.5	1390.1
67.5°	1895.3	1894.6	1847.5	1880.2	*2090.4*	2131.1	2102.1	1684.5	1277.2	1279.1	1070.3
70°	2109.1	2111.8	2103.9	2217.7	*2470.8*	2513.1	2273.4	1616.2	1093.9	923.7	641.2
72.5°	2278.5	2277.8	2317.9	2611.4	*2964.5*	2955.0	2417.7	1409.2	785.4	498.6	306.4
75°	*2168.7*	*2144.8*	*2264.4*	*2806.4*	*3252.2*	*3205.9*	*2295.0*	*983.0*	*407.6*	*227.0*	*165.0*
77.5°	1414.5	1437.2	1612.8	2318.3	*2844.7*	2788.4	1683.7	458.6	192.1	148.9	119.6
80°	512.2	536.2	755.2	1313.2	*1959.9*	1950.7	829.1	188.5	129.9	112.5	87.2
82.5°	176.2	185.0	297.9	583.2	*1106.6*	1147.8	311.9	107.1	94.4	79.7	59.7
85°	69.2	79.2	136.2	280.6	*558.2*	562.3	126.3	64.1	65.7	52.2	32.7
87.5°	26.3	31.9	65.2	130.3	*254.9*	234.1	45.2	30.5	37.4	31.1	15.5
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: P385619
CATALOG NUMBER: GPC-SA1A-830-U-T4FT

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	622.1	622.1	622.1	622.1	622.1	622.1	622.1	622.1	622.1	622.1	622.1
2.5°	623.1	625.9	632.0	636.1	640.5	641.8	642.3	643.4	644.5	644.1	644.2
5°	626.9	632.5	642.3	646.4	648.4	646.2	641.9	638.5	636.0	634.6	634.2
7.5°	633.2	641.2	651.7	651.0	646.6	636.8	625.8	617.6	610.7	608.2	606.8
10°	641.6	651.0	658.3	650.4	637.6	620.7	604.2	591.4	581.1	577.1	576.5
12.5°	652.3	661.8	663.2	646.6	625.4	602.3	579.9	563.0	547.6	542.6	541.5
15°	666.2	675.2	666.6	639.8	610.3	579.2	550.2	527.2	511.0	505.0	502.8
17.5°	680.8	689.3	667.3	628.7	590.5	551.8	515.4	491.9	473.3	466.3	465.5
20°	698.3	702.1	664.4	612.7	563.3	516.4	478.0	455.9	446.0	441.0	440.5
22.5°	719.8	715.7	657.8	591.2	528.7	475.4	444.2	433.9	431.4	430.3	430.7
25°	742.7	730.0	648.1	563.0	485.2	434.4	419.5	422.3	425.6	425.2	425.2
27.5°	767.8	744.6	633.1	525.6	436.9	400.9	402.7	413.3	418.2	418.1	417.9
30°	800.1	761.1	614.0	480.6	391.8	377.2	388.1	401.0	407.8	407.5	407.6
32.5°	839.9	779.2	588.0	430.4	359.2	359.8	372.3	385.1	392.9	392.2	392.4
35°	886.3	799.6	552.8	381.0	337.7	345.9	355.8	364.7	372.2	371.2	370.2
37.5°	936.9	819.5	506.1	336.7	320.1	333.0	341.2	342.7	346.2	343.7	341.9
40°	985.0	834.8	445.8	300.4	302.3	322.0	327.3	321.3	315.1	314.3	311.8
42.5°	1027.0	839.9	384.9	271.4	283.6	310.4	313.7	301.1	289.9	284.7	282.5
45°	1071.2	841.7	328.2	247.1	265.6	300.1	303.7	286.8	271.1	259.8	256.1
47.5°	1129.1	854.6	284.0	229.0	251.9	293.2	298.3	275.4	255.0	238.9	235.5
50°	1204.9	880.1	248.2	215.3	242.9	288.7	294.5	264.2	241.8	222.4	219.0
52.5°	1289.0	903.7	219.1	204.2	234.3	280.7	289.5	256.3	229.5	207.2	203.5
55°	1347.9	885.6	195.8	192.6	223.0	269.3	282.7	249.5	211.7	192.3	189.0
57.5°	1359.1	824.1	178.0	180.6	209.4	255.0	272.1	234.5	202.1	185.9	182.4
60°	1328.3	738.3	164.8	169.7	194.8	237.0	252.3	224.0	192.9	179.0	176.1
62.5°	1250.9	650.4	155.1	159.8	181.2	218.7	239.9	212.8	183.5	171.2	168.3
65°	1094.6	546.1	145.7	151.0	168.6	202.9	228.8	202.5	174.3	164.8	162.1
67.5°	826.3	409.0	136.9	141.6	157.3	189.2	216.7	192.3	165.4	159.3	156.0
70°	486.5	256.1	126.9	131.8	145.5	174.9	203.7	181.2	154.3	151.5	147.2
72.5°	226.4	154.1	115.5	120.3	130.6	155.8	187.1	166.6	141.1	135.0	129.2
75°	*135.1*	*112.7*	*102.0*	*106.3*	*113.6*	*135.4*	*166.2*	*151.8*	*128.5*	*120.6*	*114.5*
77.5°	101.0	86.2	87.2	91.7	97.6	118.5	147.2	140.1	118.9	112.7	108.6
80°	72.7	65.4	71.1	76.0	82.2	107.8	141.1	129.5	107.5	99.3	95.4
82.5°	48.5	47.0	53.5	58.6	64.6	94.3	132.5	113.4	91.8	81.4	72.9
85°	26.8	28.3	36.0	38.2	43.4	66.4	108.6	91.1	69.2	55.7	53.2
87.5°	11.1	13.1	19.4	18.7	23.1	39.6	71.5	55.0	44.0	32.9	25.6
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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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

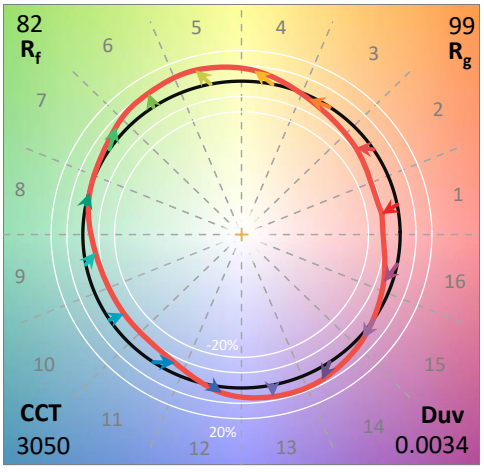
Test Information

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

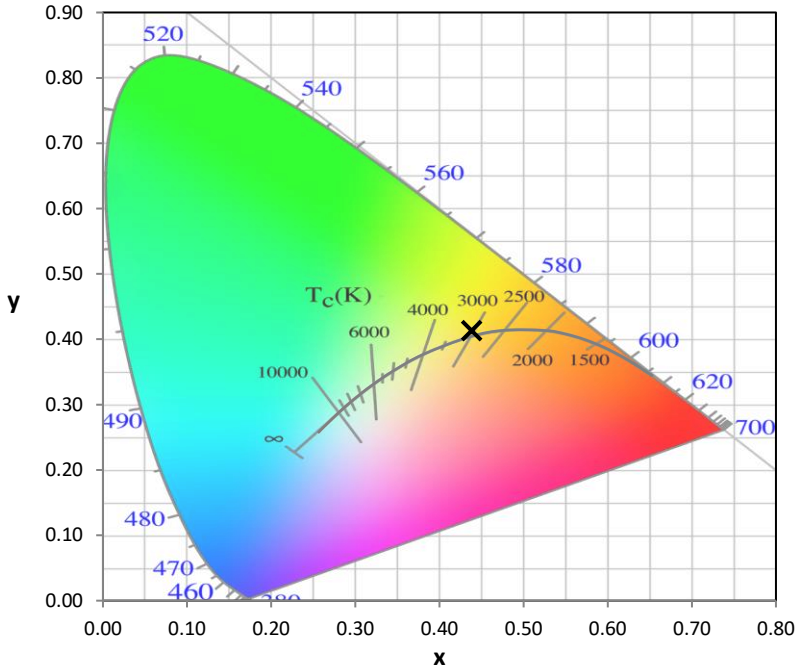
Stabilization Time:	20M
Operation Time:	1H 20M
Sphere Temperature (°C):	24.2

REPORT NUMBER: SP1-2408-195-9

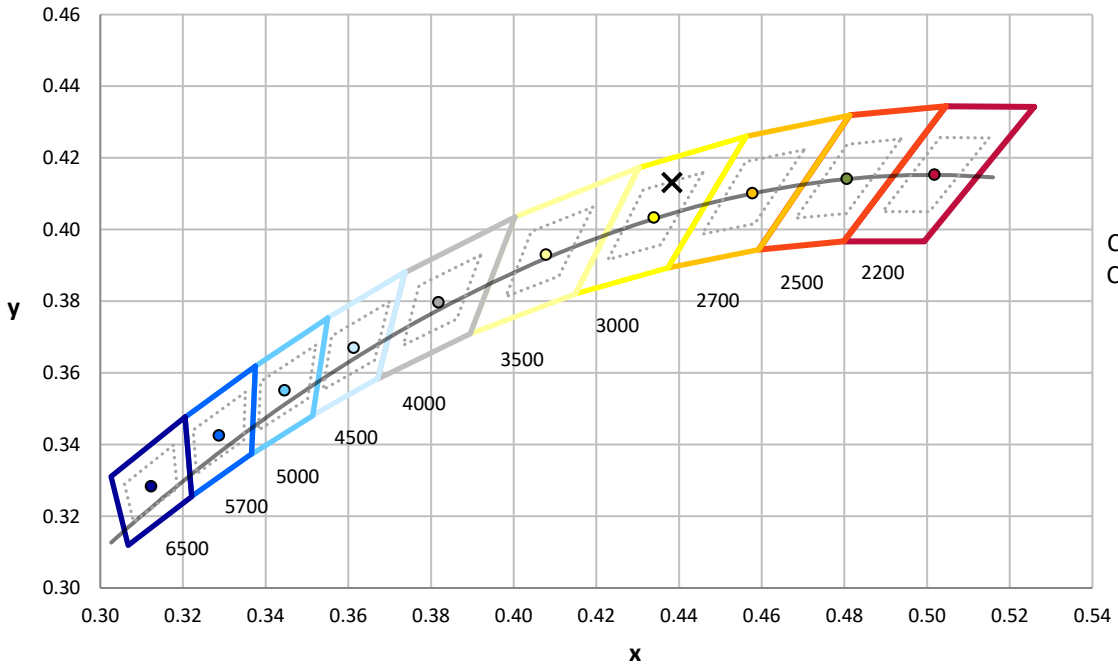
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

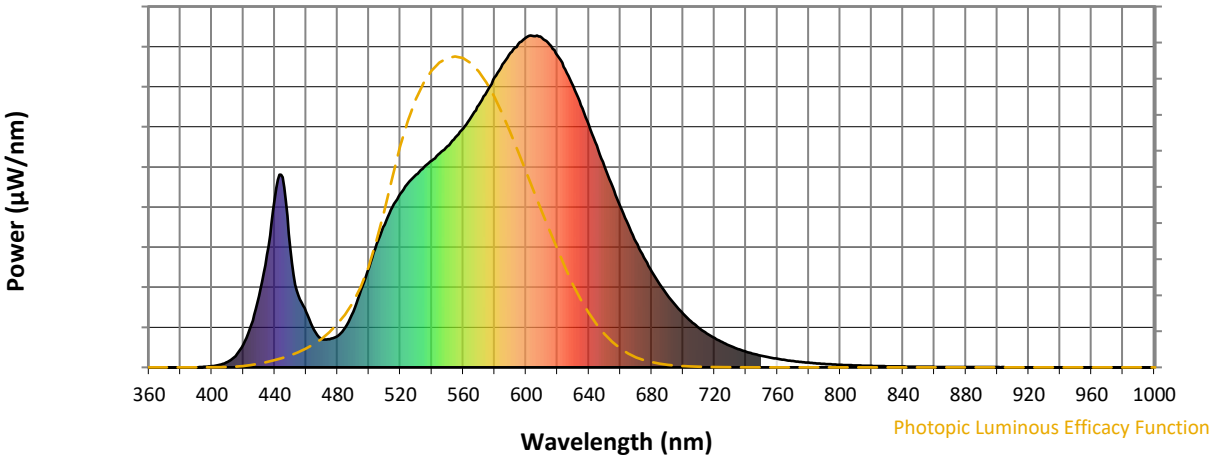


CCT = 3050K
CIE x = 0.4383
CIE y = 0.4131
Duv = 0.0034

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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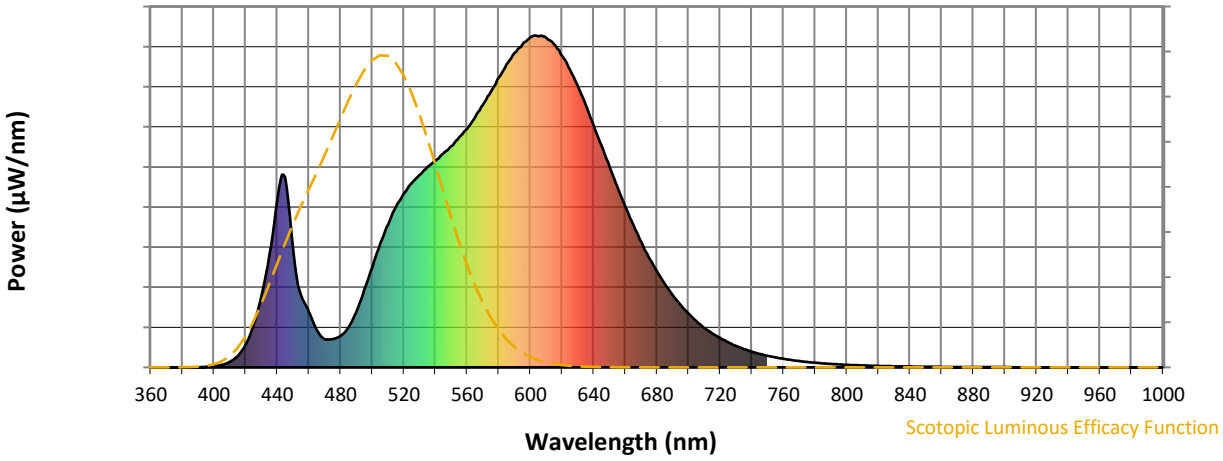
Scotopic Flux vs. Wavelength



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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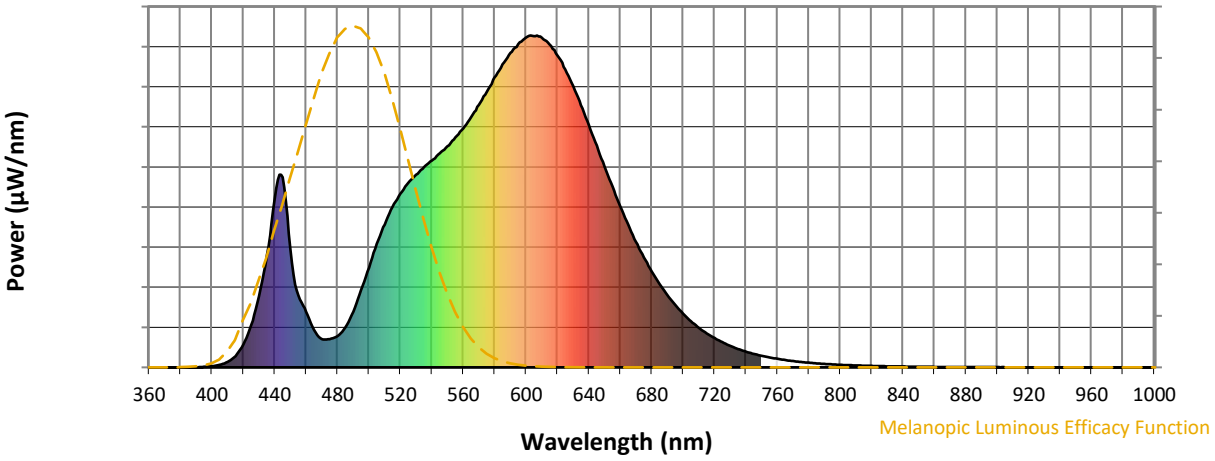
Melanopic Flux vs. Wavelength



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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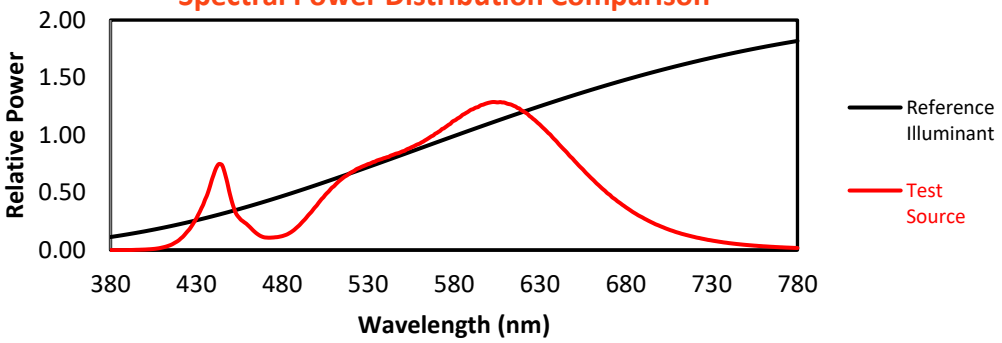
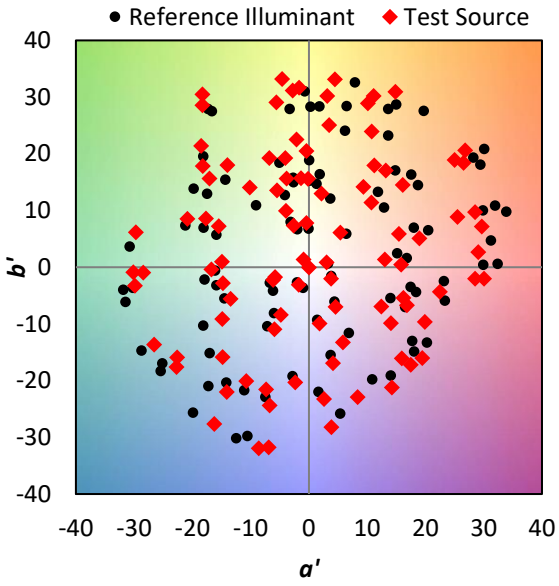
Summary

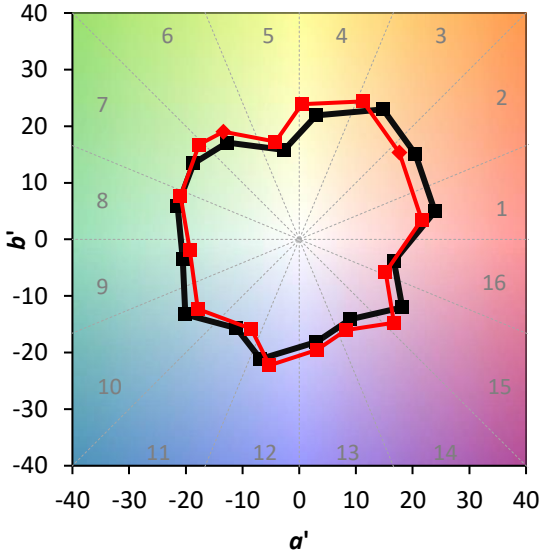
R_f = 81.5
R_g = 99.2
CIE R_a = 81.0
R_9 = 7.1

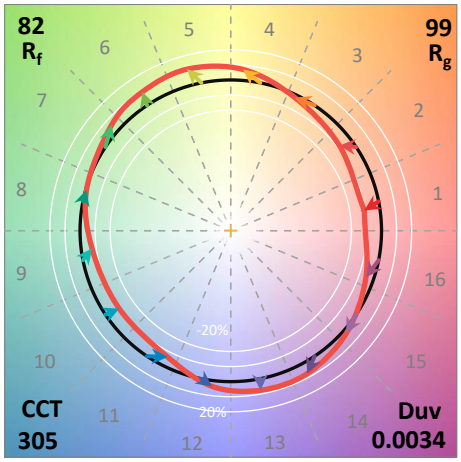
Spectral Power Distribution Comparison

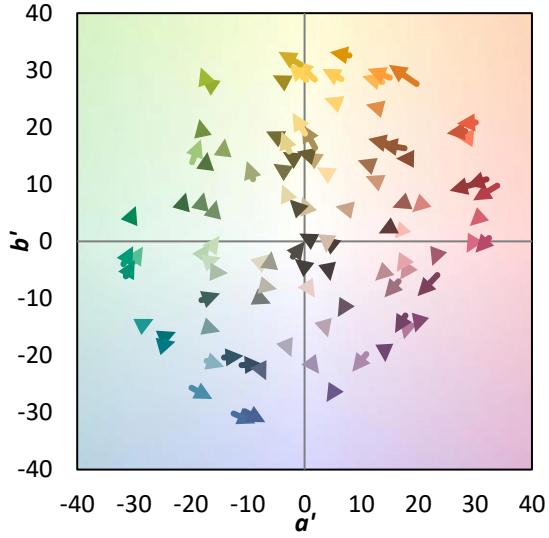


Color Vector Graphics









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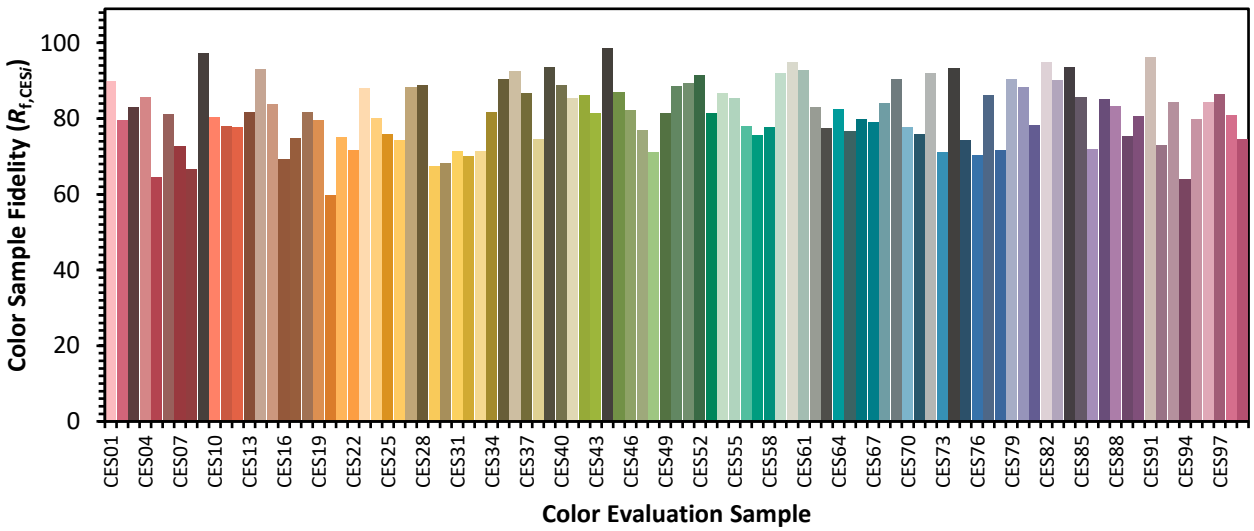
Individual Sample Fidelity Index ($R_{f,i}$)

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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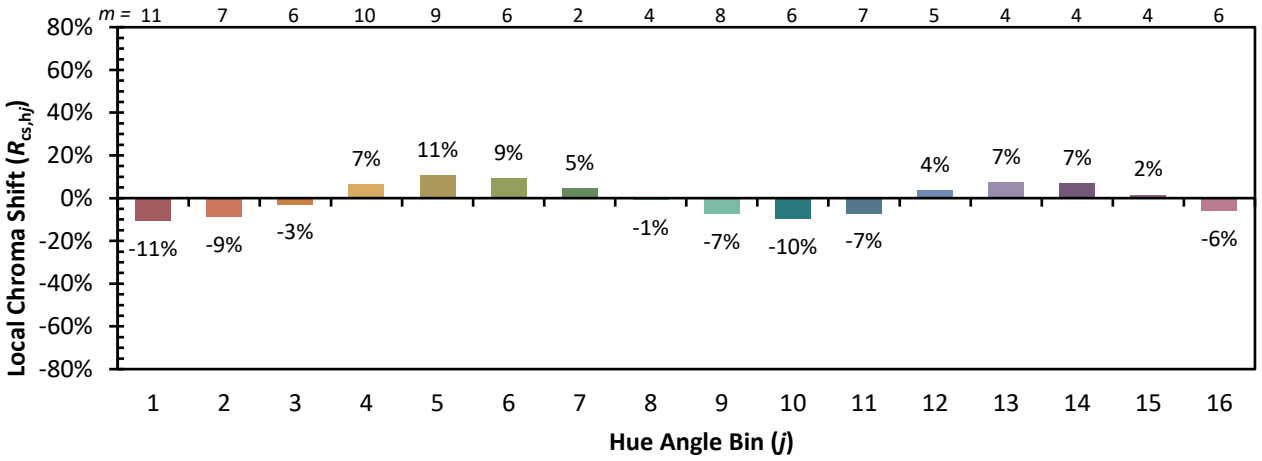
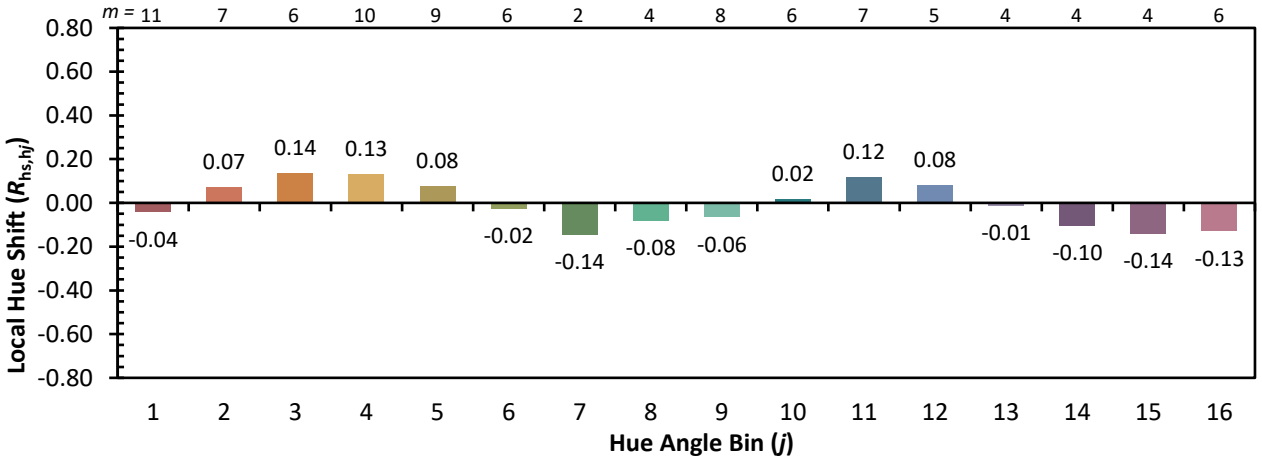
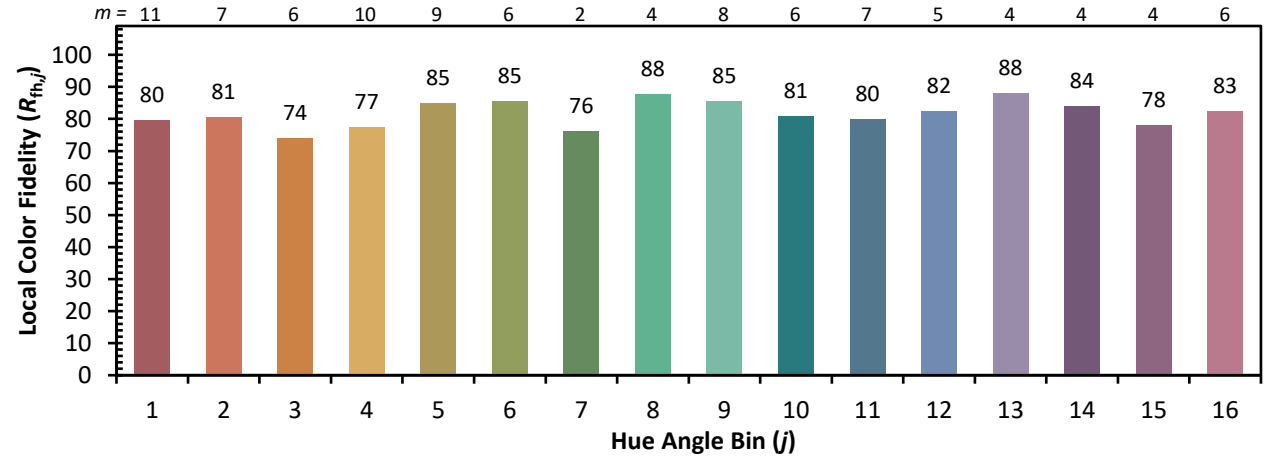
Color Rendition by Hue-Angle Bin







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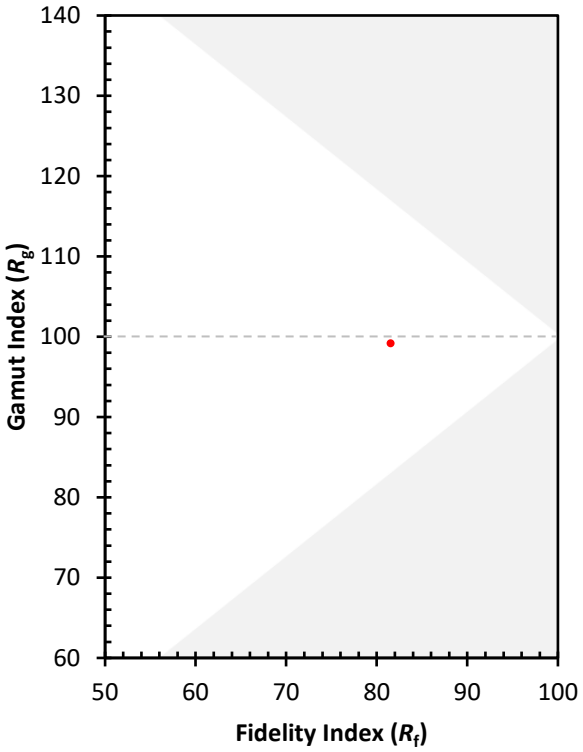
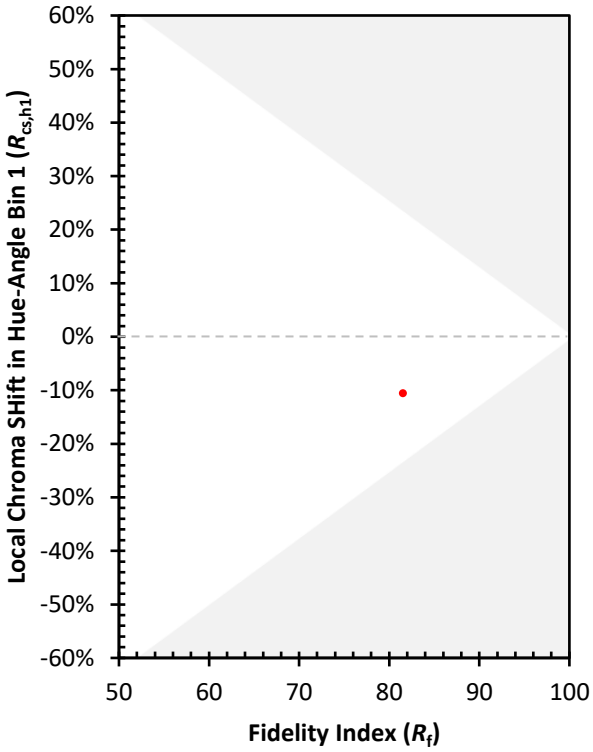
Measure Comparisons





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