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: P319186

Luminaire Tested: **GLEON-SA2A-830-U-T4W**

Issue Date: 3/3/2020

Report Generated By E0585644

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:	P319186
	TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-18)
Test Lab:	INNOVATION CENTER
Issue Date:	3/3/2020
Manufacturer:	COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line:	McGRAW-EDISON
Catalog Number:	GLEON-SA2A-830-U-T4W
Description:	GALLEON AREA AND ROADWAY LUMINAIRE
	(2) 80 CRI, 3000K, 615mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE IV WIDE OPTICS
Light Source:	-
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	7524 lumens
Efficiency:	N/A
Efficacy:	114.0 lumens/watt
Luminous Opening:	Rectangular (W 0.5' x L: 1' x H: 0')
IES Classification:	Type IV - Short
BUG Rating:	B1 - U0 - G2

Input Watts (W):	66
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:	24 FT

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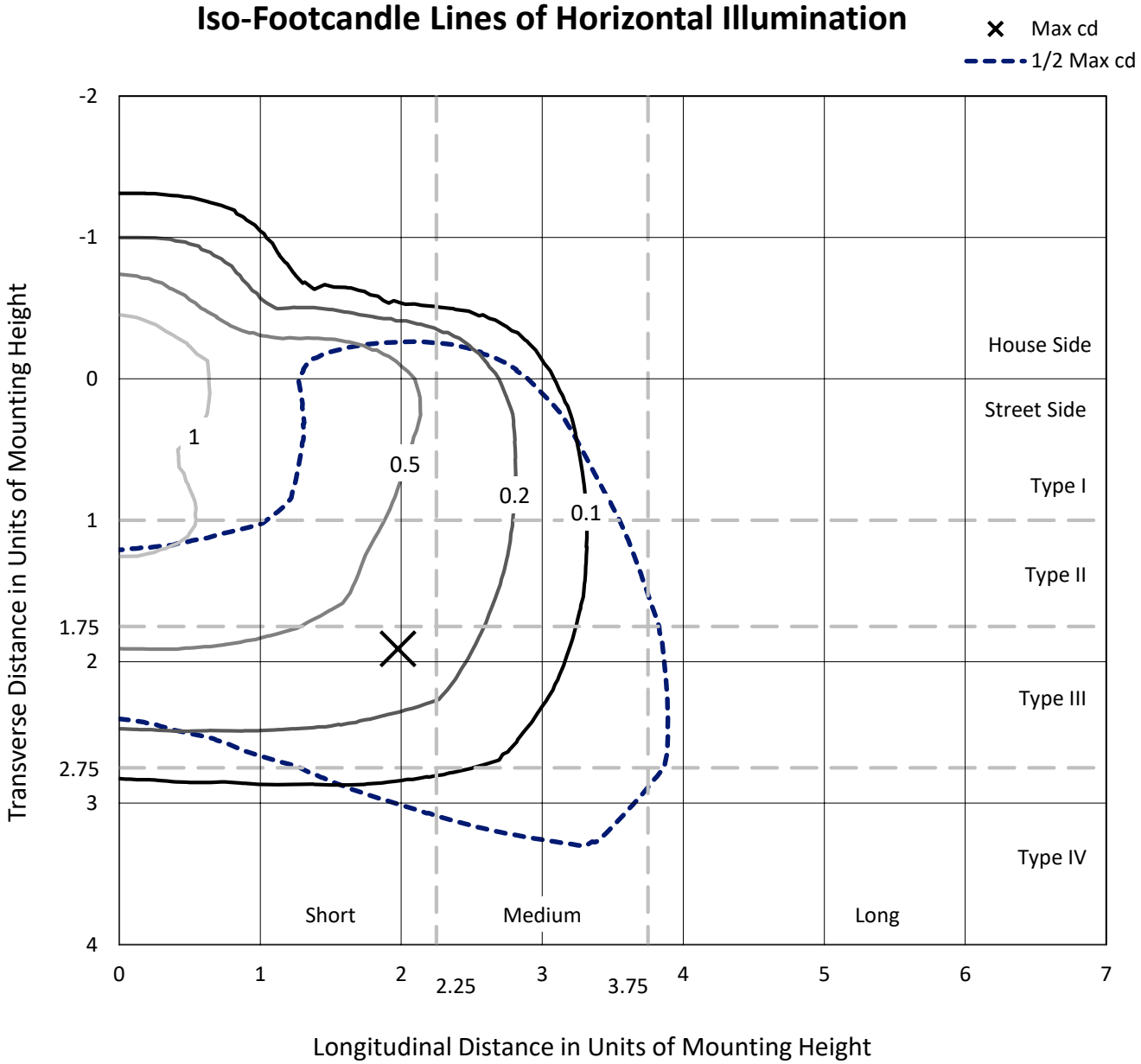
Scaled Data Report

REPORT NUMBER: P319186
CATALOG NUMBER: GLEON-SA2A-830-U-T4W

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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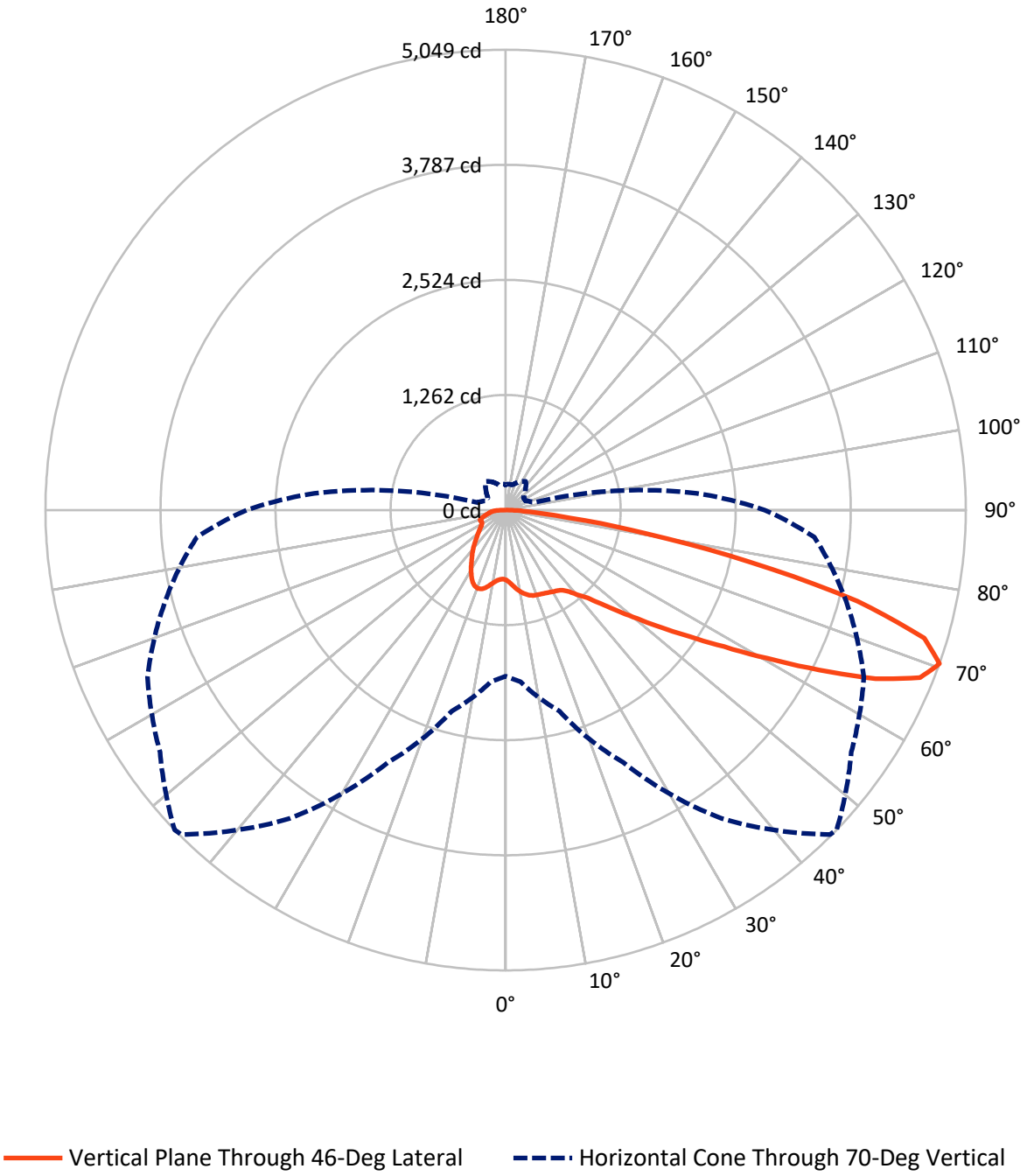
Luminous Intensity Polar Plot



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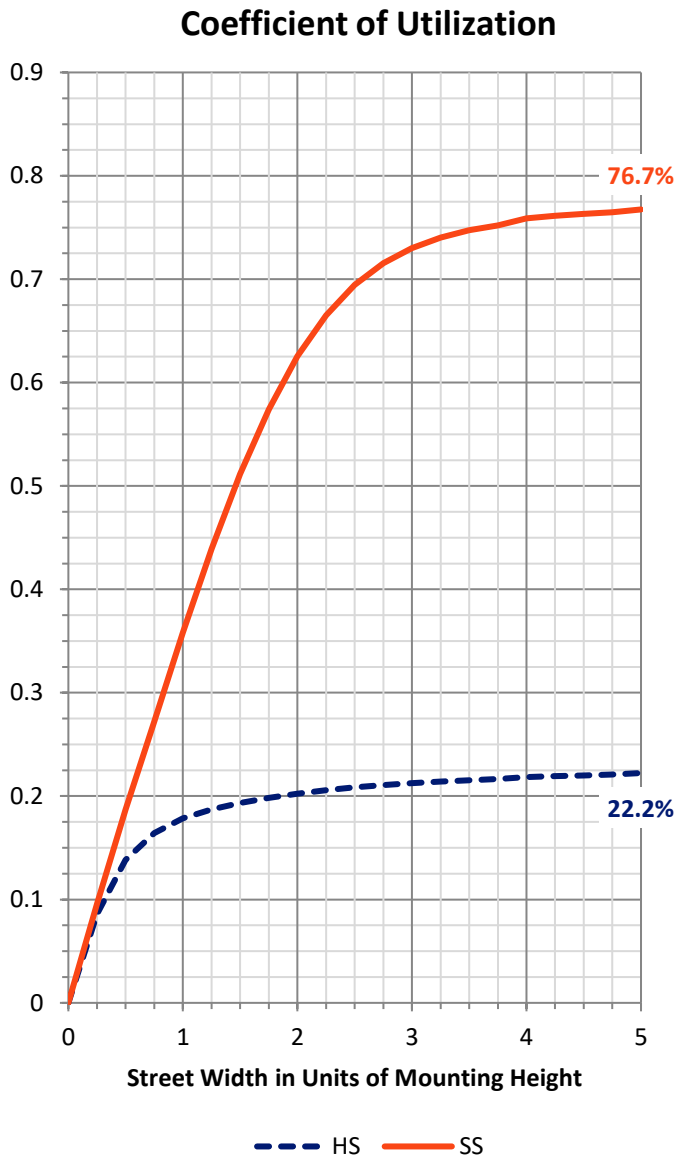
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1724.5	0.0	1724.5
	% Fixture	22.9	0.0	22.9
Street Side	Lumens	5799.5	0.0	5799.5
	% Fixture	77.1	0.0	77.1
Total	Lumens	7524.0	0.0	7524.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	78.1	1.0
10°-20°	260.4	3.5
20°-30°	434.1	5.8
30°-40°	616.0	8.2
40°-50°	906.1	12.0
50°-60°	1534.5	20.4
60°-70°	2178.3	29.0
70°-80°	1323.3	17.6
80°-90°	193.1	2.6
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°	7524.0	100.0
0°-180°	7524.0	100.0



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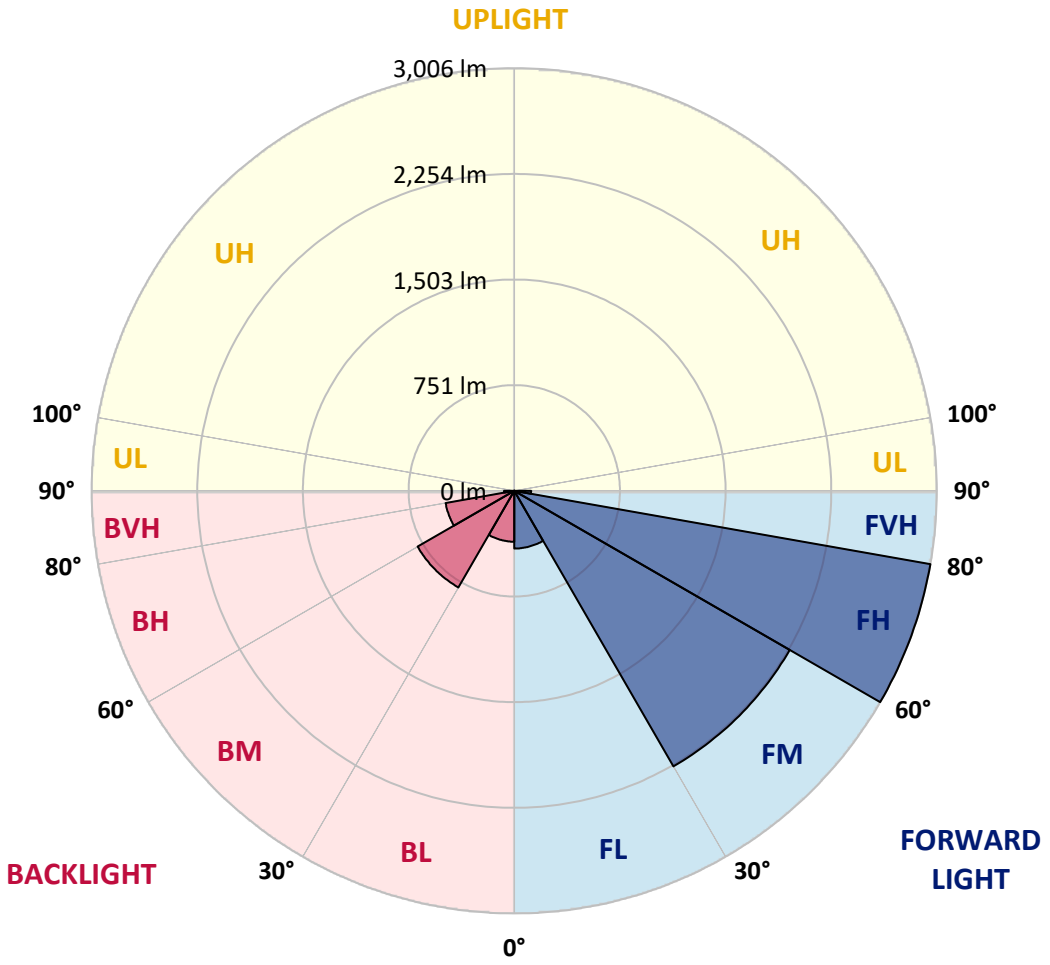
LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	410.5	5.5			
FM	(30°-60°)	2262.9	30.1			
FH	(60°-80°)	3005.8	39.9			G2/5000
FVH	(80°-90°)	120.3	1.6			G2/225
BL	(0°-30°)	362.1	4.8	B1/500		
BM	(30°-60°)	793.8	10.6	B1/1000		
BH	(60°-80°)	495.8	6.6	B1/500		G1/500
BVH	(80°-90°)	72.8	1.0			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: P319186
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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	46°	55°	65°	75°	85°
0°	766.5	766.5	766.5	766.5	766.5	766.5	*766.5*	766.5	766.5	766.5	766.5
2.5°	804.9	805.4	806.5	803.9	796.7	794.6	*793.8*	786.4	781.5	774.3	768.1
5°	869.3	869.8	868.3	861.0	845.1	833.2	*832.2*	815.2	799.8	783.3	770.9
7.5°	936.5	937.3	932.4	918.7	896.3	875.7	*874.4*	851.3	827.8	802.9	784.3
10°	996.0	992.9	984.9	965.8	939.3	914.1	*913.1*	888.9	861.8	831.7	807.0
12.5°	1035.6	1033.1	1022.8	999.6	970.5	947.3	*945.2*	922.8	896.6	863.6	834.0
15°	1057.5	1059.3	1045.4	1019.1	990.8	971.3	*969.5*	953.5	930.1	896.8	862.8
17.5°	1060.3	1061.9	1048.5	1022.5	999.3	985.9	*985.2*	974.6	957.6	925.7	890.1
20°	1043.9	1044.9	1033.8	1012.5	997.3	993.1	*992.9*	988.2	975.6	947.3	912.8
22.5°	1019.9	1020.7	1012.7	997.3	992.1	998.5	*1000.3*	998.5	989.5	963.0	930.6
25°	1014.0	1013.5	1005.2	989.5	993.9	1007.6	*1009.9*	1010.6	1004.5	981.3	953.2
27.5°	1042.6	1040.8	1025.1	999.8	1002.7	1019.1	*1022.2*	1029.7	1025.8	1005.5	979.0
30°	1125.2	1122.1	1090.0	1039.0	1025.1	1033.6	*1037.4*	1049.3	1050.0	1033.1	1013.2
32.5°	1264.8	1260.9	1203.3	1112.1	1062.9	1048.2	*1051.8*	1069.6	1079.1	1066.0	1044.6
35°	1441.2	1436.8	1361.1	1236.5	1126.3	1076.3	*1078.9*	1093.0	1112.1	1093.6	1065.2
37.5°	1625.0	1614.5	1541.6	1382.7	1226.9	1136.3	*1136.3*	1138.1	1147.1	1108.5	1089.4
40°	1807.8	1797.3	1731.4	1554.7	1357.2	1230.8	*1224.9*	1185.0	1177.8	1144.5	1138.1
42.5°	1977.8	1974.7	1935.8	1749.1	1510.2	1323.8	*1315.5*	1247.8	1249.3	1228.7	1229.0
45°	2158.5	2158.5	2126.9	1945.3	1688.4	1473.1	*1464.9*	1365.2	1380.7	1371.1	1394.1
47.5°	2306.1	2310.7	2306.3	2149.8	1895.6	1662.9	*1647.9*	1527.9	1571.2	1603.9	1670.6
50°	2456.7	2463.9	2464.7	2374.1	2146.2	1888.4	*1871.4*	1744.0	1840.5	1934.3	2065.3
52.5°	2675.3	2691.5	2626.9	2597.8	2453.1	2156.2	*2139.5*	2021.8	2183.0	2314.6	2540.4
55°	2878.0	2863.8	2817.7	2835.7	2781.7	2461.1	*2448.5*	2345.2	2564.6	2735.6	3028.9
57.5°	2987.7	2986.6	3033.0	3110.2	3136.0	2837.0	*2826.5*	2726.0	2994.9	3123.4	3487.4
60°	3116.4	3118.2	3233.0	3408.4	3514.5	3305.1	*3300.5*	3224.3	3412.8	3485.4	3847.2
62.5°	3134.4	3166.9	3364.6	3666.4	3868.8	3852.1	*3862.4*	3673.1	3786.7	3774.3	4115.7
65°	2927.1	2969.9	3327.8	3744.4	4221.0	4450.2	*4459.7*	4124.5	4081.5	4021.2	4211.8
67.5°	2502.3	2565.6	2954.4	3574.7	4337.2	4892.3	*4905.7*	4474.4	4326.1	4104.9	3980.5
70°	*1821.0*	*1891.3*	*2282.7*	*3053.1*	*4130.1*	*5033.7*	*5048.9*	*4629.2*	*4335.4*	*3866.7*	*3398.1*
72.5°	1100.0	1155.1	1477.7	2247.6	3485.9	4776.2	*4803.2*	4433.0	3958.1	3275.3	2509.2
75°	483.1	519.1	714.5	1295.2	2495.6	3951.7	*3985.4*	3794.4	3216.1	2380.2	1483.1
77.5°	205.7	216.0	293.0	562.6	1410.8	2700.3	*2746.6*	2772.4	2182.0	1295.2	626.7
80°	128.2	132.3	165.8	254.7	660.2	1516.6	*1566.6*	1631.2	1083.5	476.1	218.9
82.5°	78.0	82.7	110.2	154.0	343.7	687.5	*711.4*	757.0	420.5	205.7	113.3
85°	46.9	50.2	67.5	97.3	195.7	270.4	*270.1*	298.7	198.0	132.3	59.7
87.5°	22.4	25.0	36.0	50.5	98.6	101.5	*95.0*	107.6	120.2	86.8	30.1
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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CATALOG NUMBER: GLEON-SA2A-830-U-T4W

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	766.5	766.5	766.5	766.5	766.5	766.5	766.5	766.5	766.5	766.5	766.5
2.5°	766.0	765.0	761.7	759.1	758.6	757.0	755.7	756.5	757.5	757.8	757.8
5°	765.8	762.9	758.6	756.8	759.1	762.2	766.0	771.2	774.3	776.6	778.1
7.5°	778.1	772.7	767.8	766.8	771.4	779.7	788.4	799.2	806.7	811.9	812.9
10°	798.7	792.0	787.1	788.2	796.4	808.3	820.6	834.5	845.9	852.8	853.3
12.5°	822.4	816.0	811.4	815.7	829.4	843.8	856.7	868.8	879.1	886.0	886.0
15°	849.7	845.1	839.7	849.7	868.3	881.1	886.5	892.5	898.1	903.3	902.2
17.5°	876.0	871.6	868.8	880.6	899.9	905.9	902.2	897.9	897.9	900.7	901.2
20°	898.6	894.8	896.6	908.2	918.2	912.0	898.6	884.7	879.1	880.6	882.2
22.5°	918.5	916.7	922.1	927.5	920.3	898.6	873.9	855.1	848.2	847.7	848.2
25°	941.6	941.4	948.1	938.3	906.4	866.5	833.2	815.0	811.1	814.2	819.3
27.5°	970.5	973.3	976.7	940.9	878.0	817.8	784.1	771.4	775.3	782.8	787.7
30°	1007.3	1015.0	1007.8	934.4	837.4	762.2	730.0	726.4	736.9	747.5	752.6
32.5°	1043.1	1055.2	1037.7	917.7	784.8	703.2	678.2	677.2	690.1	700.4	707.6
35°	1071.9	1095.9	1060.1	884.5	724.1	648.9	630.6	623.6	628.3	640.4	648.6
37.5°	1109.5	1149.4	1075.5	833.8	658.1	604.1	582.7	566.7	562.6	567.5	571.6
40°	1178.3	1231.1	1082.7	762.9	593.8	559.3	537.6	514.2	498.0	486.1	486.4
42.5°	1290.5	1337.4	1078.1	676.9	534.3	515.5	491.0	464.0	437.7	411.0	408.9
45°	1472.8	1495.5	1064.2	585.8	482.0	469.7	446.7	419.7	384.7	354.3	351.5
47.5°	1764.6	1714.4	1042.6	506.2	435.9	430.8	409.7	378.5	341.4	317.0	314.9
50°	2162.4	2030.3	1032.0	442.9	395.2	396.8	379.5	346.6	311.6	293.5	291.5
52.5°	2638.2	2398.3	1052.4	394.0	362.5	368.0	355.1	324.2	294.8	280.7	278.6
55°	3131.9	2779.3	1074.2	358.4	331.6	342.2	337.8	312.3	285.8	272.7	270.9
57.5°	3554.4	3063.9	1030.5	329.6	304.1	320.6	324.4	304.9	281.2	269.3	267.3
60°	3820.4	3178.5	915.6	302.6	282.2	303.3	316.7	302.8	283.0	282.0	280.4
62.5°	3946.6	3168.4	743.4	281.2	268.6	295.9	322.4	314.4	303.6	312.9	313.6
65°	3889.9	3017.0	553.6	267.0	258.8	298.7	339.4	336.3	309.5	318.8	320.1
67.5°	3517.1	2655.8	409.9	254.7	248.0	306.7	370.3	343.5	297.9	304.6	300.5
70°	*2842.7*	*2105.5*	*316.2*	*240.8*	*236.9*	*305.6*	*384.2*	*339.1*	*285.3*	*286.8*	*275.8*
72.5°	1960.3	1435.8	257.2	227.9	220.9	278.6	374.4	328.3	274.7	262.9	248.2
75°	1066.0	770.7	218.6	214.5	192.9	244.6	356.4	320.6	265.2	249.5	241.3
77.5°	419.5	319.8	189.8	196.2	168.7	216.0	336.3	305.9	252.1	231.5	227.4
80°	171.2	163.2	157.3	169.7	145.0	189.0	312.1	288.6	236.4	214.7	206.5
82.5°	97.1	101.5	122.3	133.9	117.7	174.1	300.5	274.7	217.6	192.3	182.6
85°	49.7	59.5	85.2	96.0	86.5	148.1	276.8	240.5	174.6	147.3	148.1
87.5°	23.9	33.2	53.8	60.3	56.1	107.1	206.8	174.3	136.0	107.6	104.3
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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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

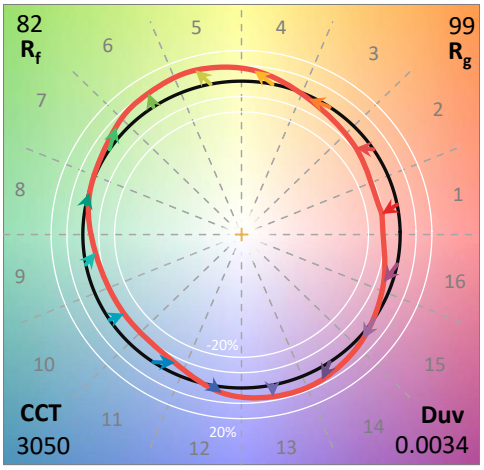
Test Information

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

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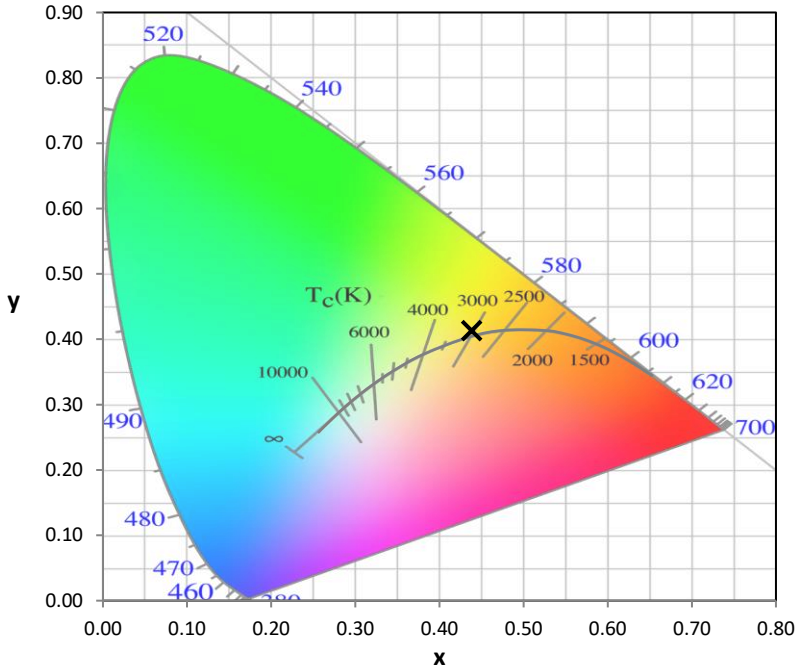
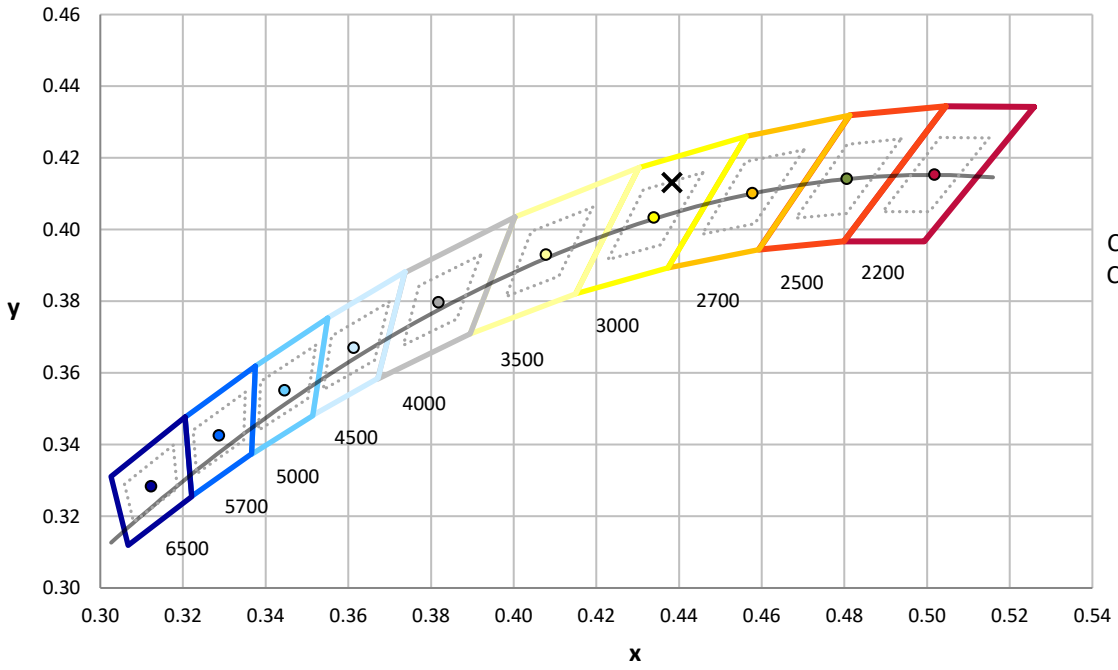
CIE 1931 Chromaticity Diagram



CIE 1931 Chromaticity Diagram with 2017 ANSI 7-Step and 4-Step Quadrangles

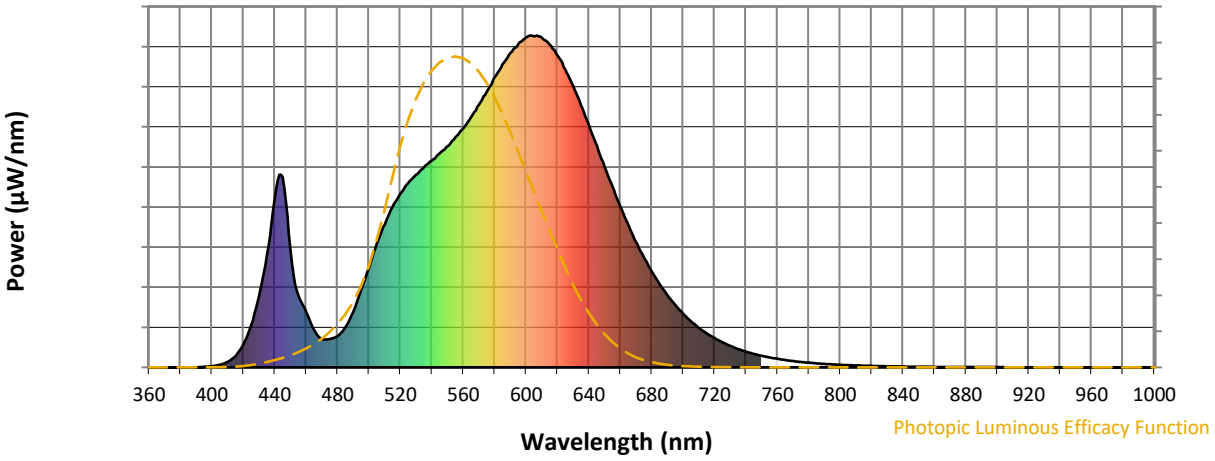


CCT = 3050K
CIE x = 0.4383
CIE y = 0.4131
Duv = 0.0034

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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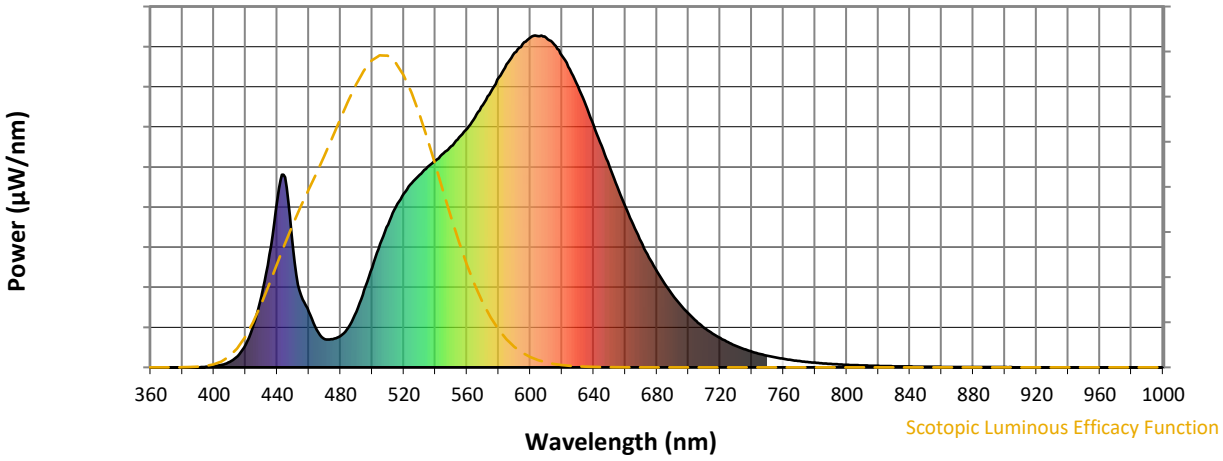
Scotopic Flux vs. Wavelength



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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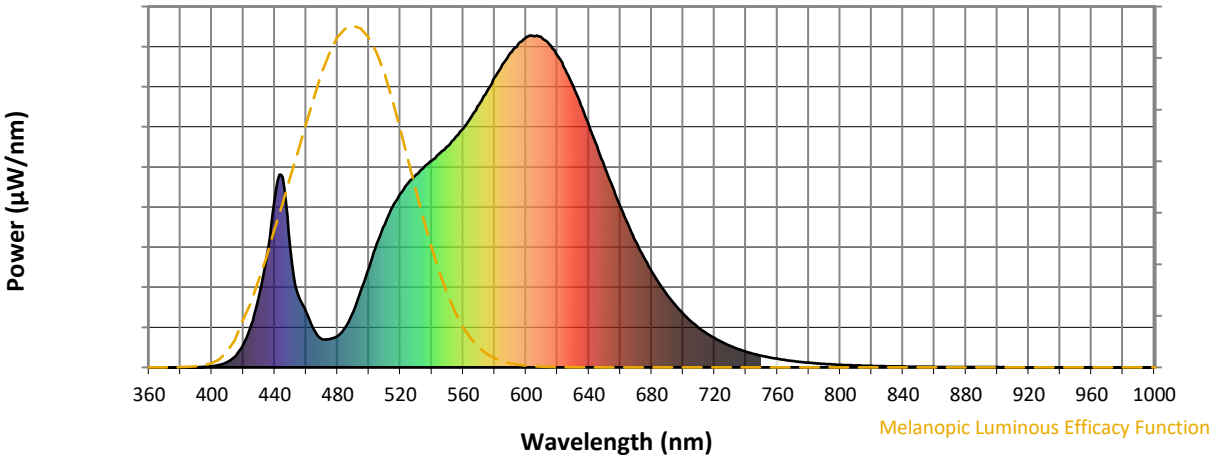
Melanopic Flux vs. Wavelength



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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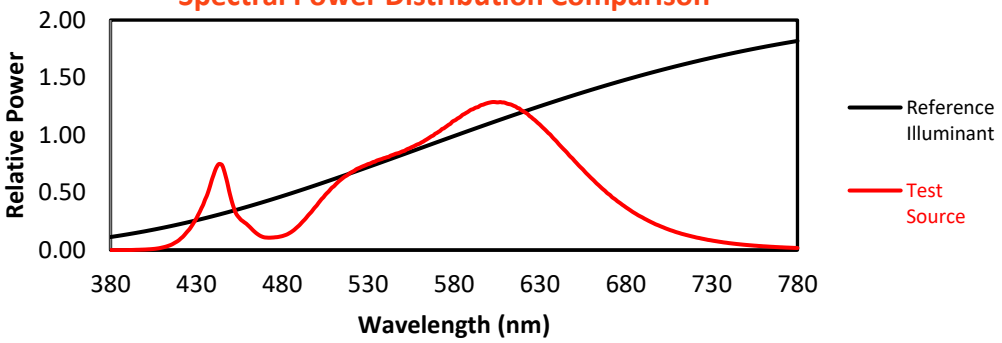
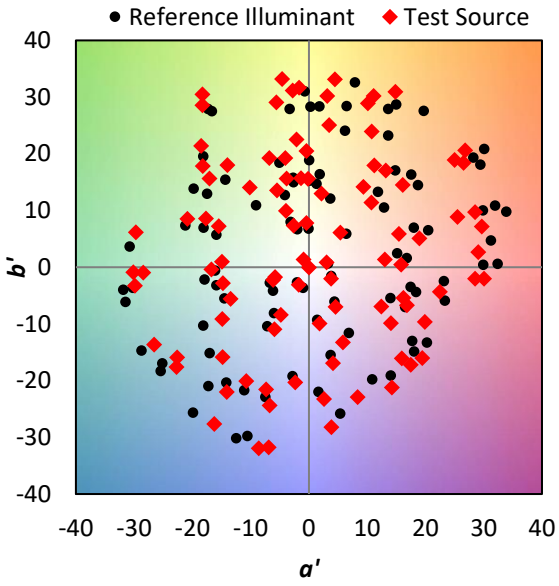
Summary

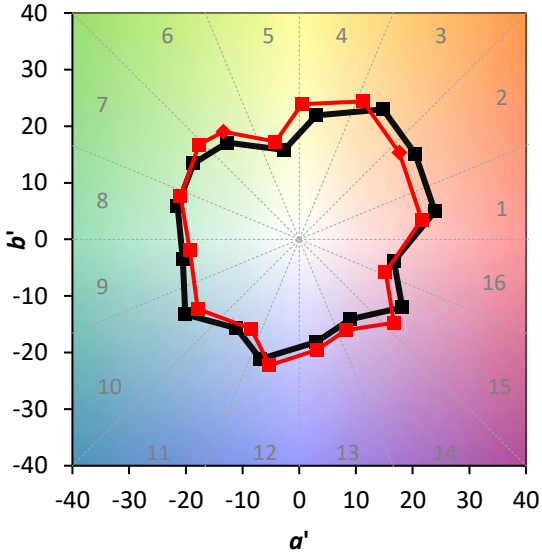
R_f = 81.5
R_g = 99.2
CIE R_a = 81.0
R_9 = 7.1

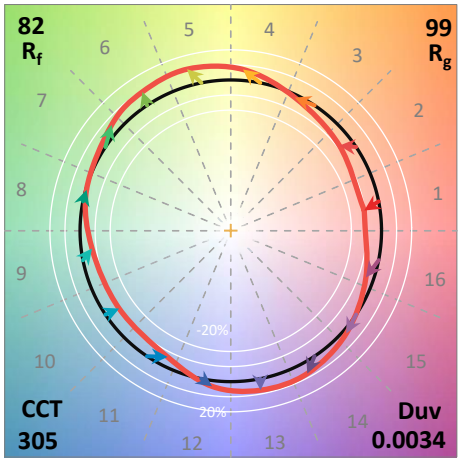
Spectral Power Distribution Comparison

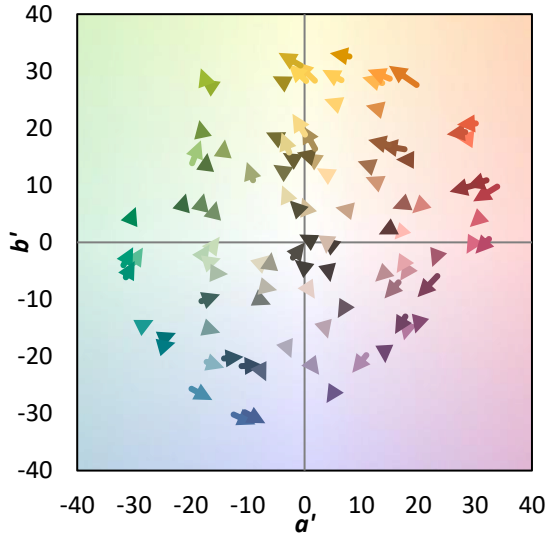


Color Vector Graphics









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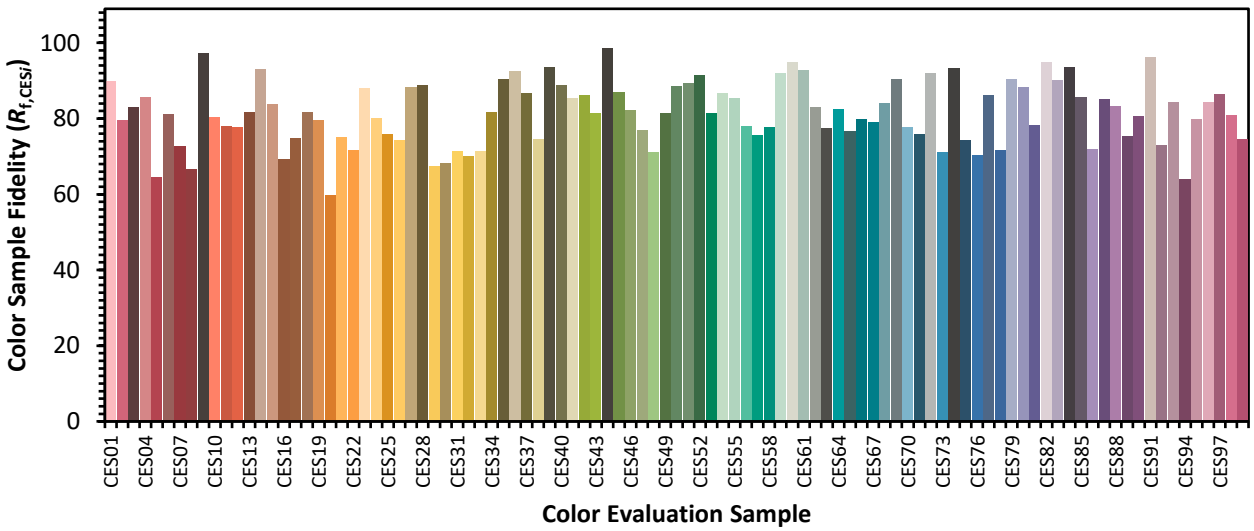
Individual Sample Fidelity Index ($R_{f,i}$)

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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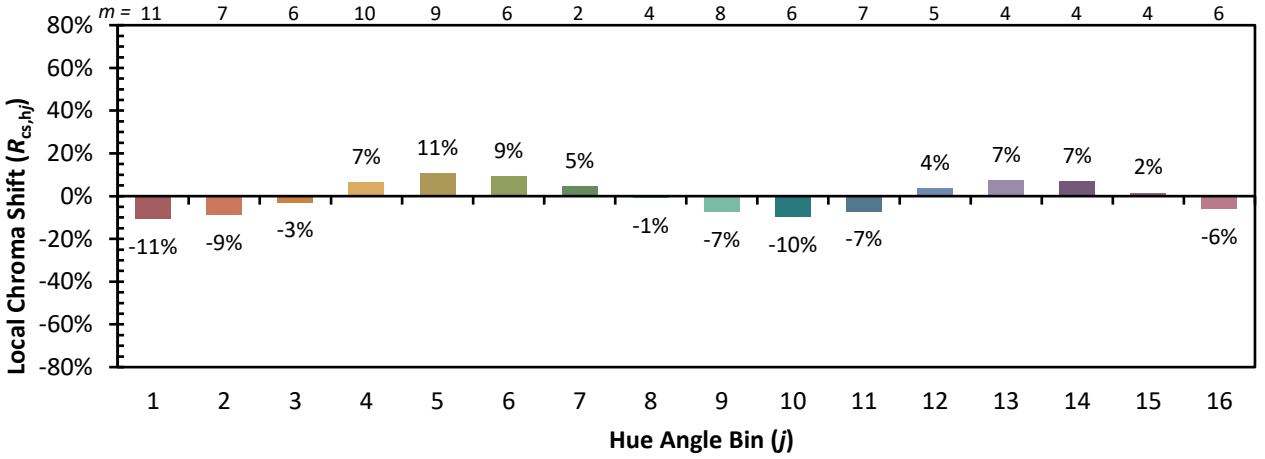
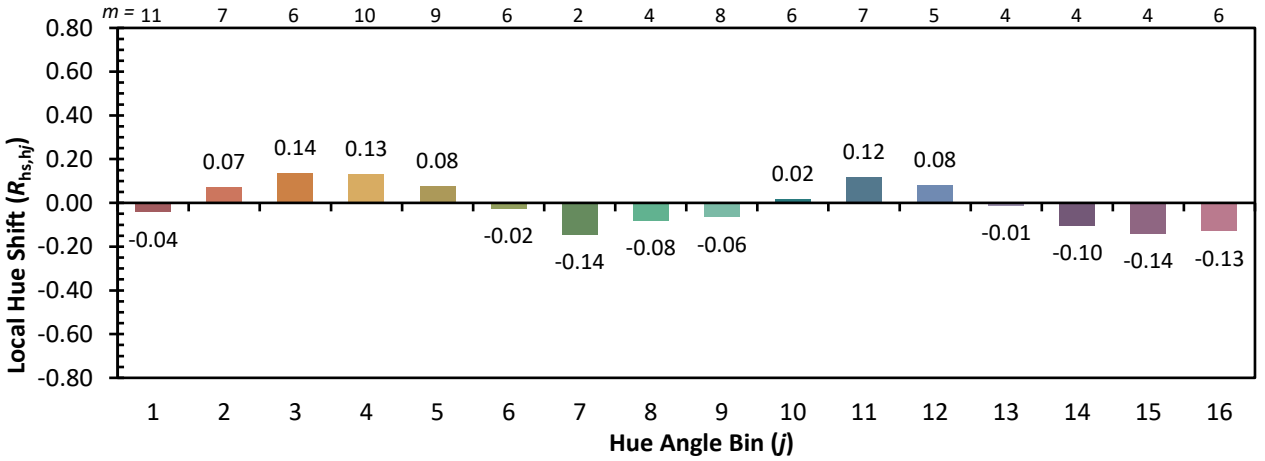
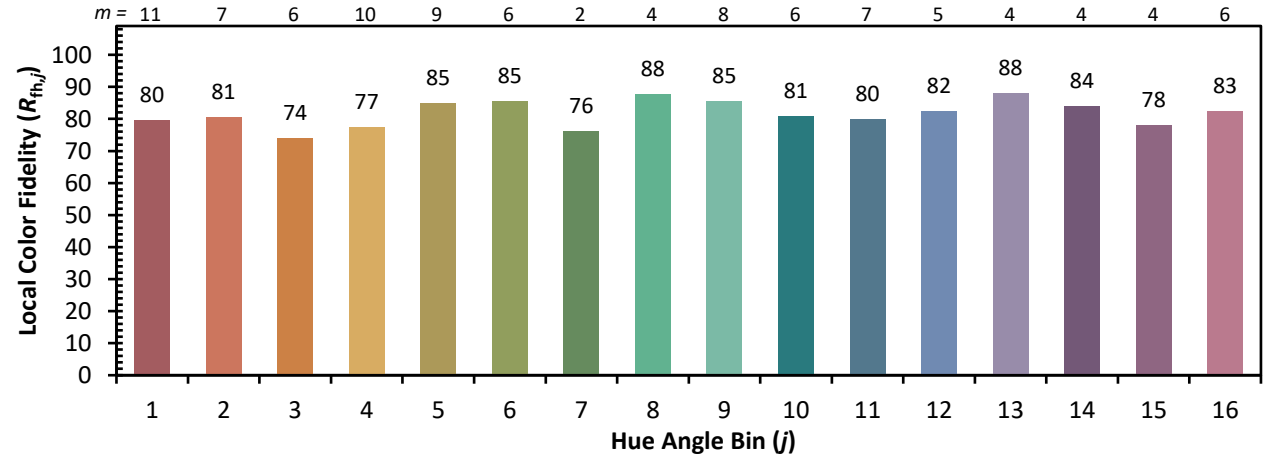
Color Rendition by Hue-Angle Bin







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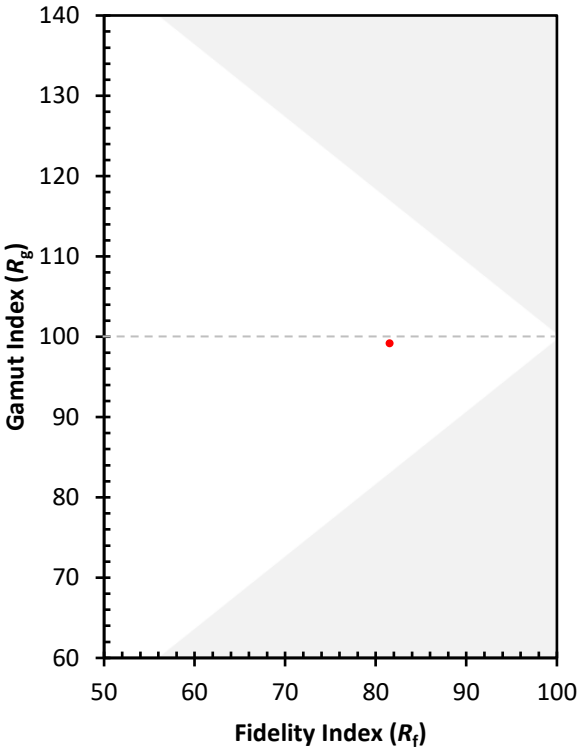
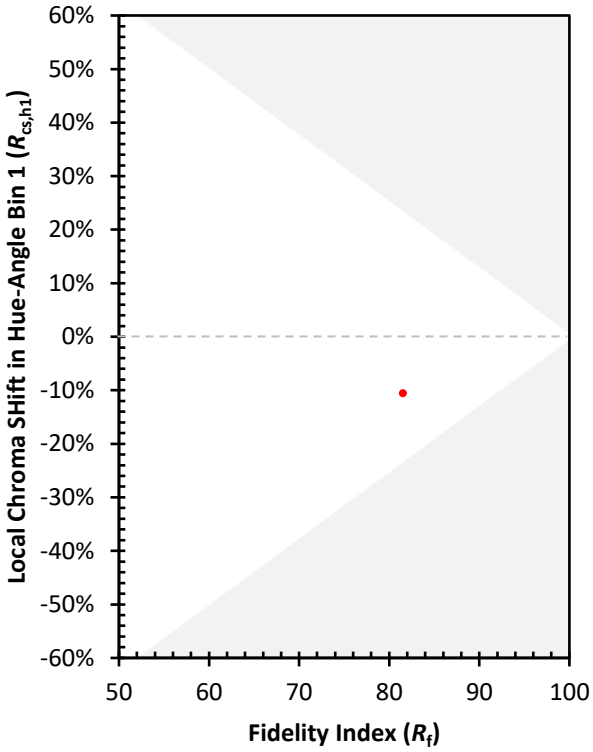
Measure Comparisons





(END OF REPORT)