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: P317905

Luminaire Tested: **GLEON-SA1A-830-U-T3R**

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:	P317905
	TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-10)
Test Lab:	INNOVATION CENTER
Issue Date:	3/3/2020
Manufacturer:	COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line:	McGRAW-EDISON
Catalog Number:	GLEON-SA1A-830-U-T3R
Description:	GALLEON AREA AND ROADWAY LUMINAIRE
	(1) 80 CRI, 3000K, 615mA LIGHTSQUARE WITH 16 LEDS AND TYPE III ROADWAY OPTICS
Light Source:	-
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	3964 lumens
Efficiency:	N/A
Efficacy:	116.6 lumens/watt
Luminous Opening:	Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification:	Type IV - Medium
BUG Rating:	B1 - U0 - G1

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:	24 FT

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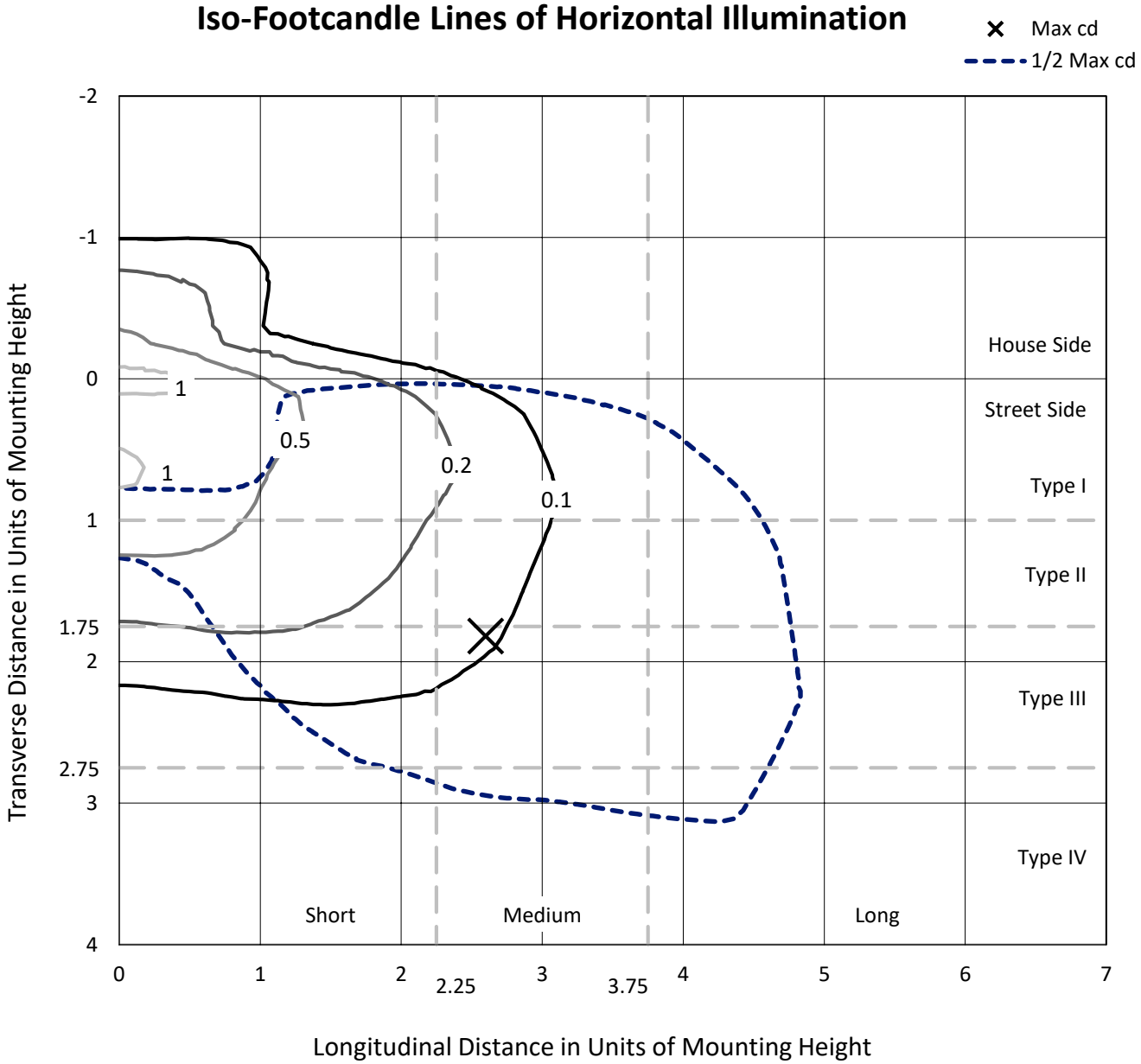
REPORT NUMBER: P317905
CATALOG NUMBER: GLEON-SA1A-830-U-T3R

Iso-Footcandle Lines of Horizontal Illumination



Based on 25 foot mounting height. Maximum calculated value = 1.1 fc
Type IV - Medium - N/A

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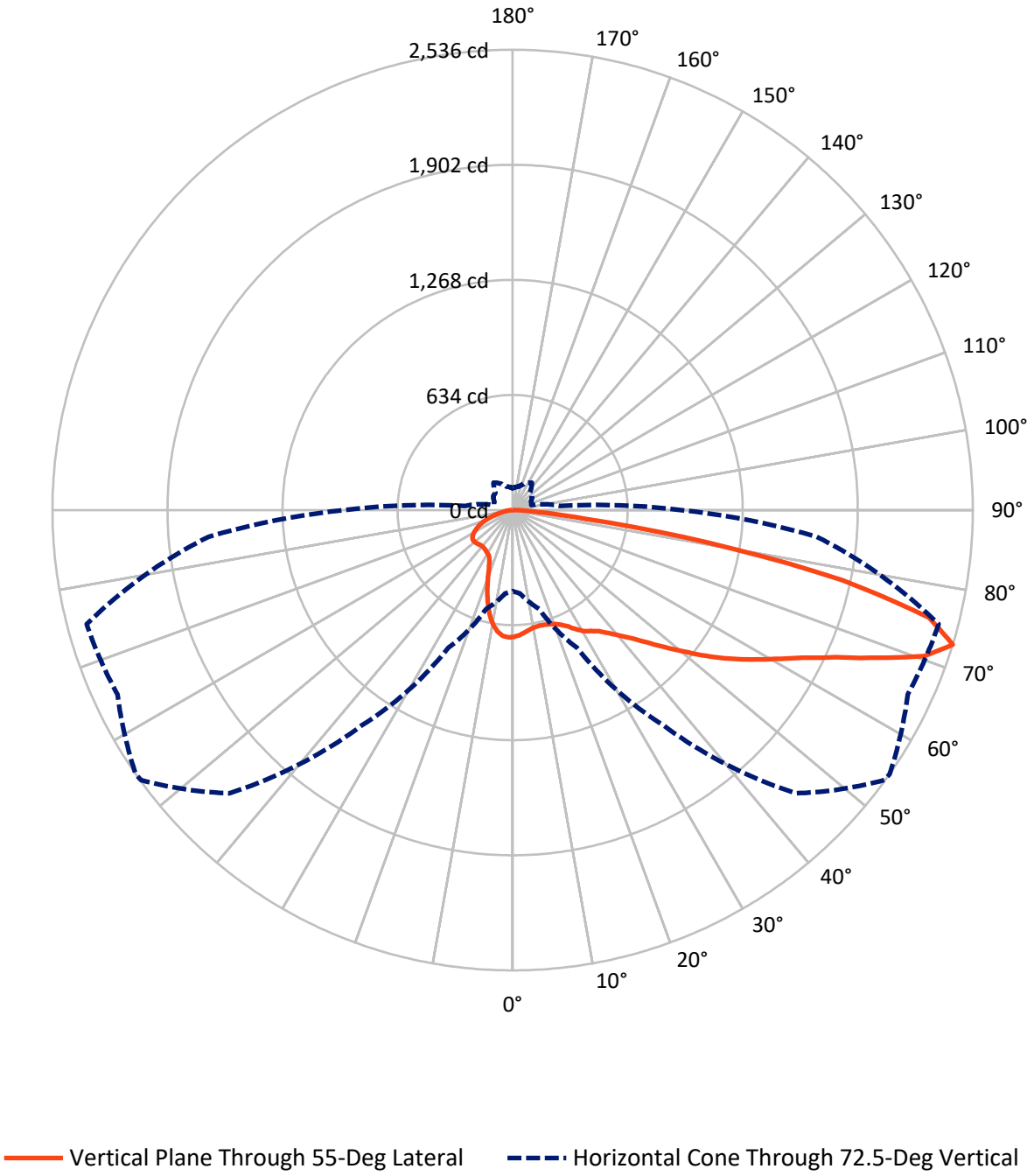
Luminous Intensity Polar Plot



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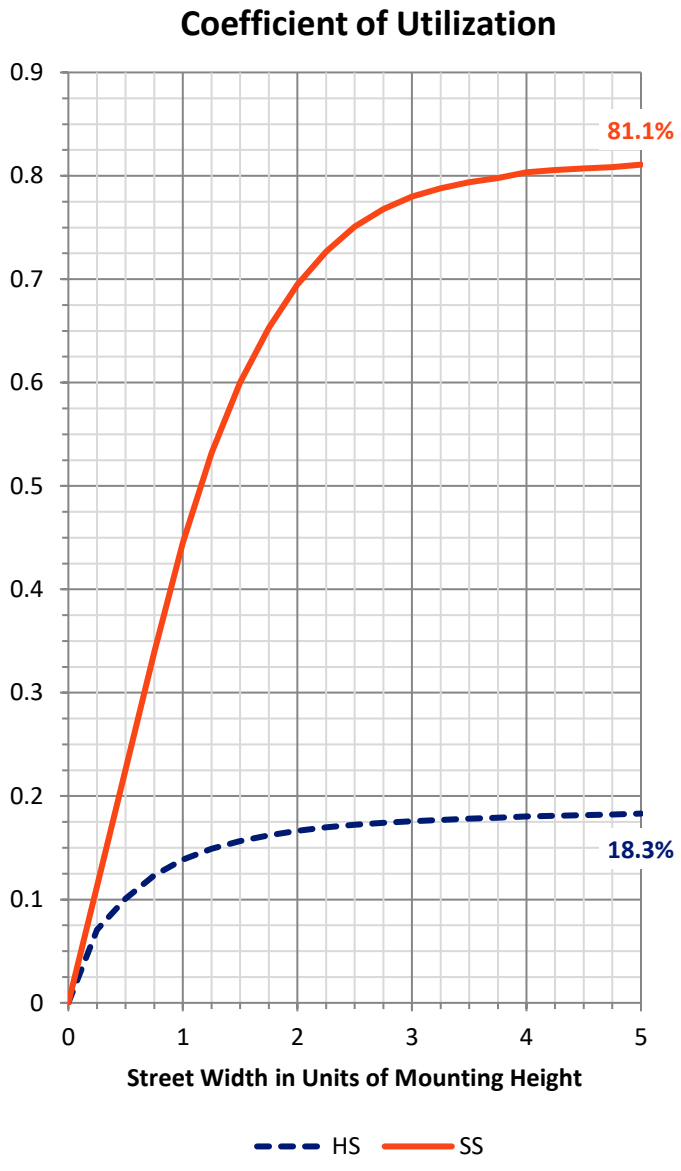
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	736.8	0.0	736.8
	% Fixture	18.6	0.0	18.6
Street Side	Lumens	3227.2	0.0	3227.2
	% Fixture	81.4	0.0	81.4
Total	Lumens	3964.0	0.0	3964.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	63.3	1.6
10°-20°	168.4	4.2
20°-30°	277.7	7.0
30°-40°	410.8	10.4
40°-50°	573.4	14.5
50°-60°	746.6	18.8
60°-70°	917.5	23.1
70°-80°	719.2	18.1
80°-90°	87.0	2.2
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°	3964.0	100.0
0°-180°	3964.0	100.0



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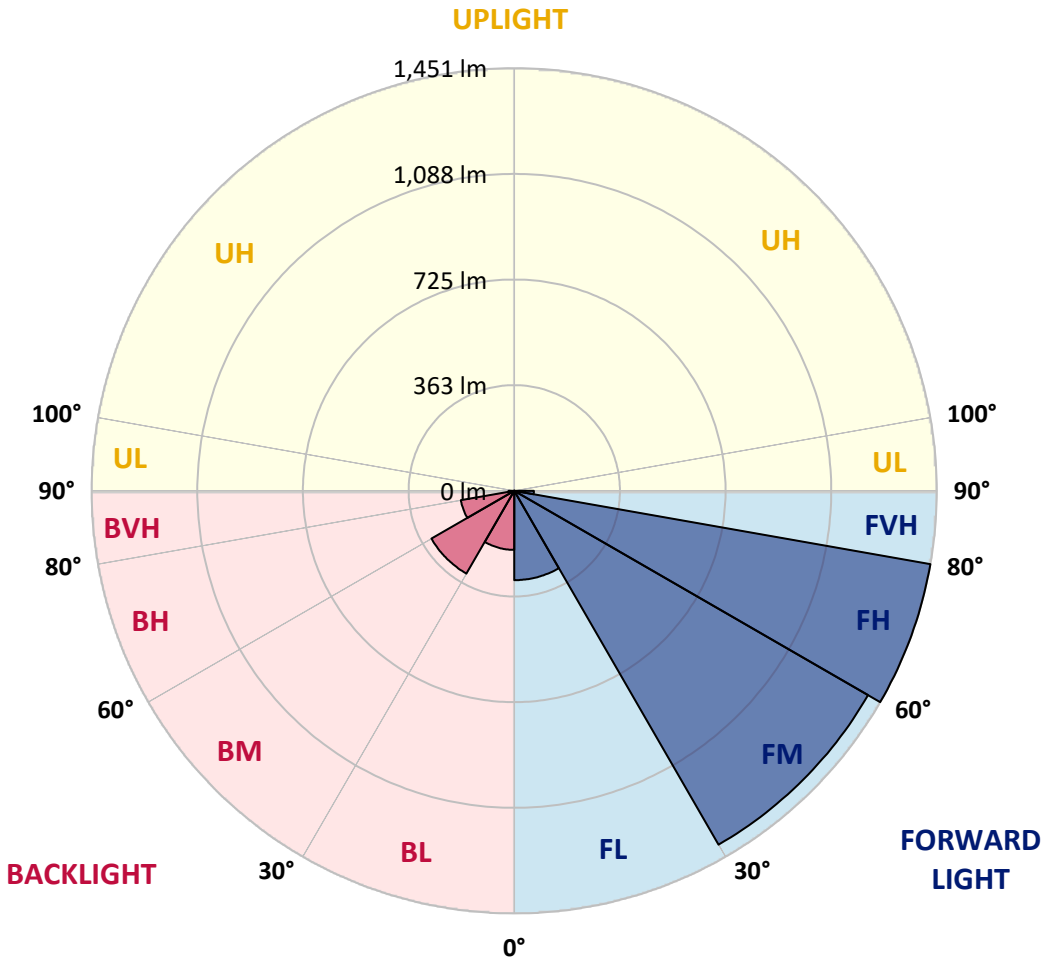
LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	306.7	7.7			
FM	(30°-60°)	1402.5	35.4			
FH	(60°-80°)	1450.7	36.6			G1/1800
FVH	(80°-90°)	67.3	1.7			G1/100
BL	(0°-30°)	202.7	5.1	B1/500		
BM	(30°-60°)	328.2	8.3	B1/1000		
BH	(60°-80°)	186.1	4.7	B1/500		G1/500
BVH	(80°-90°)	19.7	0.5			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G1
Type IV Medium



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Scaled Data Report

REPORT NUMBER: P317905
CATALOG NUMBER: GLEON-SA1A-830-U-T3R

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	54°	55°	65°	75°	85°
0°	699.2	699.2	699.2	699.2	699.2	699.2	699.2	699.2	699.2	699.2	699.2
2.5°	676.4	674.8	676.8	679.6	682.7	686.8	689.3	690.3	694.5	696.1	699.6
5°	645.1	644.3	647.6	652.4	659.3	668.9	676.7	678.1	689.1	696.9	704.0
7.5°	622.3	622.3	626.2	632.0	639.6	652.6	663.6	665.6	684.2	700.9	714.0
10°	604.2	604.9	609.5	616.3	625.3	639.0	653.6	655.9	682.8	710.3	731.2
12.5°	592.2	593.8	597.9	604.1	615.2	632.0	650.4	653.5	685.6	723.7	751.8
15°	599.8	602.5	602.9	605.4	611.6	629.8	652.3	655.5	691.7	737.3	775.2
17.5°	633.3	634.2	630.1	624.7	621.8	633.4	657.9	661.3	698.9	750.8	797.7
20°	684.2	683.6	674.7	660.2	645.2	647.1	667.2	670.6	708.7	762.8	820.2
22.5°	748.4	746.6	732.8	706.1	680.6	669.8	683.4	686.3	723.4	779.8	844.3
25°	826.4	822.2	804.0	768.3	730.6	703.0	707.7	710.5	744.8	798.8	866.4
27.5°	908.6	904.4	881.3	838.0	787.9	745.0	741.3	743.7	769.2	812.8	882.7
30°	994.5	990.1	968.9	920.5	848.7	788.3	772.7	773.6	786.3	820.5	896.1
32.5°	1080.9	1076.7	1053.0	996.8	914.7	834.9	795.3	794.1	796.6	828.4	911.2
35°	1168.4	1170.0	1142.3	1080.1	987.8	886.7	822.1	819.5	813.9	844.6	932.7
37.5°	1262.2	1261.1	1225.2	1160.1	1064.3	943.0	860.5	860.1	840.7	875.2	966.3
40°	1324.8	1325.5	1303.7	1242.1	1141.5	1005.2	909.8	908.8	883.4	921.2	1010.3
42.5°	1349.3	1353.7	1359.4	1320.3	1222.4	1077.4	968.5	967.2	943.0	987.0	1062.1
45°	1351.1	1359.9	1394.7	1389.8	1304.3	1160.0	1043.7	1039.9	1022.5	1074.6	1124.0
47.5°	1336.1	1345.2	1403.0	1431.1	1377.6	1247.2	1131.5	1128.5	1113.5	1184.1	1190.9
50°	1303.3	1312.0	1385.9	1451.3	1437.8	1331.0	1232.7	1224.9	1216.9	1310.6	1267.5
52.5°	1241.8	1258.5	1363.0	1456.2	1473.8	1405.4	1339.2	1334.1	1338.5	1444.1	1344.2
55°	1096.3	1115.0	1303.9	1452.2	1500.5	1468.0	1445.6	1445.3	1468.2	1584.2	1426.6
57.5°	1014.7	1028.0	1183.7	1445.3	1532.1	1530.1	1551.0	1553.5	1598.1	1736.7	1512.8
60°	968.7	982.6	1122.8	1420.0	1581.1	1610.4	1658.5	1663.6	1730.1	1905.5	1616.6
62.5°	926.8	942.0	1085.0	1368.5	1638.8	1725.3	1787.3	1791.8	1869.9	2079.0	1716.8
65°	855.1	872.4	1029.7	1334.6	1691.3	1875.1	1951.0	1954.1	2030.4	2260.8	1793.6
67.5°	753.9	769.7	925.4	1259.8	1730.1	2057.1	2168.7	2170.5	2189.6	2389.2	1832.8
70°	635.7	641.7	776.8	1105.2	1684.2	2227.2	2407.3	2407.7	2334.7	2471.4	1826.4
72.5°	446.7	460.8	563.9	836.7	1447.3	2206.5	2531.2	2535.7	2402.2	2429.9	1680.4
75°	273.9	288.9	353.7	507.0	918.2	1735.3	2338.6	2370.2	2275.7	2166.6	1372.8
77.5°	183.2	188.8	230.8	295.6	416.0	998.4	1798.0	1857.4	1890.5	1580.0	877.9
80°	102.2	112.9	153.0	183.7	185.0	396.7	1078.1	1092.0	1051.8	629.1	270.9
82.5°	54.1	60.0	102.2	107.9	101.0	132.8	401.8	402.2	336.1	168.7	80.5
85°	41.9	46.9	70.0	65.9	51.5	58.9	132.5	139.8	114.3	69.1	26.2
87.5°	20.9	26.0	47.5	41.8	20.2	16.9	47.4	50.6	45.1	27.0	9.5
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: P317905
CATALOG NUMBER: GLEON-SA1A-830-U-T3R

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	699.2	699.2	699.2	699.2	699.2	699.2	699.2	699.2	699.2	699.2	699.2
2.5°	700.9	702.1	703.6	702.0	701.4	699.3	695.7	694.9	693.0	693.1	694.2
5°	707.1	709.1	708.3	702.1	694.7	684.4	673.7	664.6	658.6	658.2	657.8
7.5°	718.8	720.2	713.9	696.4	675.7	651.9	629.4	609.7	597.8	594.9	594.2
10°	737.3	737.1	719.8	684.4	643.3	600.8	564.6	537.3	521.4	516.7	515.5
12.5°	757.9	754.9	721.8	662.7	597.5	538.5	492.7	462.3	445.7	440.4	439.0
15°	779.2	771.6	716.8	630.3	541.3	471.4	423.4	395.2	386.3	383.3	382.8
17.5°	799.0	784.3	702.6	586.4	477.2	404.6	367.1	355.9	358.0	361.9	362.0
20°	818.5	792.9	679.9	531.0	409.6	349.6	336.9	345.2	355.3	363.2	364.3
22.5°	837.6	798.9	650.6	467.0	349.0	318.7	327.6	342.8	354.4	363.0	364.4
25°	853.7	800.4	610.1	398.7	307.0	307.0	323.2	337.5	349.0	357.5	359.0
27.5°	859.6	790.5	553.1	335.5	285.9	301.7	317.0	329.0	338.7	347.7	349.3
30°	861.8	772.1	487.2	284.8	277.1	295.9	308.7	318.9	328.2	336.6	338.1
32.5°	862.2	750.0	417.3	256.0	271.1	289.9	298.4	307.4	317.3	320.7	321.2
35°	864.8	723.9	343.7	241.3	265.5	284.2	291.1	297.5	281.4	282.6	283.7
37.5°	872.1	698.1	282.1	233.0	261.9	281.3	289.5	266.2	253.6	250.6	250.2
40°	885.9	670.5	236.4	226.3	260.5	282.8	279.2	248.5	226.8	210.6	208.2
42.5°	905.1	640.8	207.3	221.9	261.5	289.9	264.8	231.5	195.5	185.0	183.7
45°	926.6	609.6	191.5	218.8	264.7	295.4	261.9	208.9	180.9	173.0	172.3
47.5°	947.5	571.4	183.3	217.4	269.1	290.9	249.4	201.9	173.9	169.8	170.2
50°	971.5	537.0	178.3	216.0	273.0	288.1	235.4	198.3	171.2	176.3	181.7
52.5°	991.7	501.4	173.9	213.0	274.5	283.2	231.8	199.0	171.2	181.0	186.1
55°	1015.7	474.5	168.8	206.9	271.7	269.1	229.2	203.0	173.3	167.1	167.6
57.5°	1046.6	465.7	163.2	197.2	262.3	248.6	228.0	206.9	172.0	168.2	169.5
60°	1089.4	475.0	160.9	184.6	247.7	232.6	228.1	204.8	163.6	156.9	157.1
62.5°	1130.3	485.5	160.8	176.7	229.8	218.2	225.1	198.3	159.3	155.4	156.9
65°	1143.7	474.9	154.4	167.9	209.5	201.1	219.4	191.3	156.1	150.2	150.0
67.5°	1125.7	442.1	141.4	153.6	186.4	181.2	212.1	183.0	151.0	146.2	145.4
70°	1072.4	368.9	125.3	134.7	160.0	158.7	200.4	173.4	144.2	140.0	136.6
72.5°	*929.1*	*262.8*	*105.6*	*112.1*	*130.3*	*134.6*	*184.4*	*160.8*	*134.6*	*125.6*	*120.2*
75°	763.0	194.5	86.8	88.1	98.9	110.6	162.3	146.1	123.2	107.9	103.8
77.5°	467.3	119.0	69.1	69.6	71.0	88.2	133.6	129.6	108.7	90.0	87.0
80°	151.3	64.9	49.9	52.5	48.5	64.7	103.4	110.3	93.3	75.2	72.0
82.5°	57.6	37.9	33.7	35.5	33.6	43.4	75.4	88.4	76.5	61.9	50.3
85°	27.8	21.4	19.9	22.4	20.8	22.2	48.2	65.1	58.0	40.3	37.5
87.5°	9.9	9.5	7.6	10.3	8.8	7.9	14.7	32.8	38.3	27.7	24.8
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Cooper Lighting Solutions Photometric Lab
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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

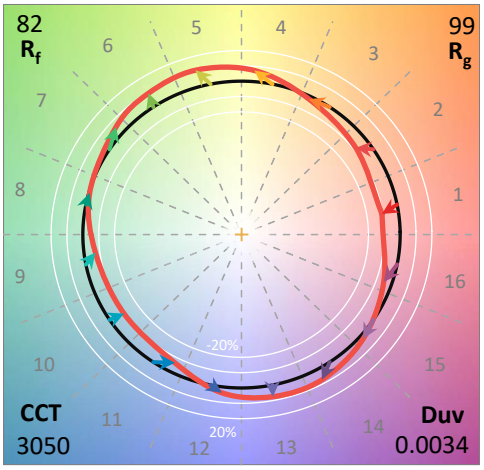
Test Information

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

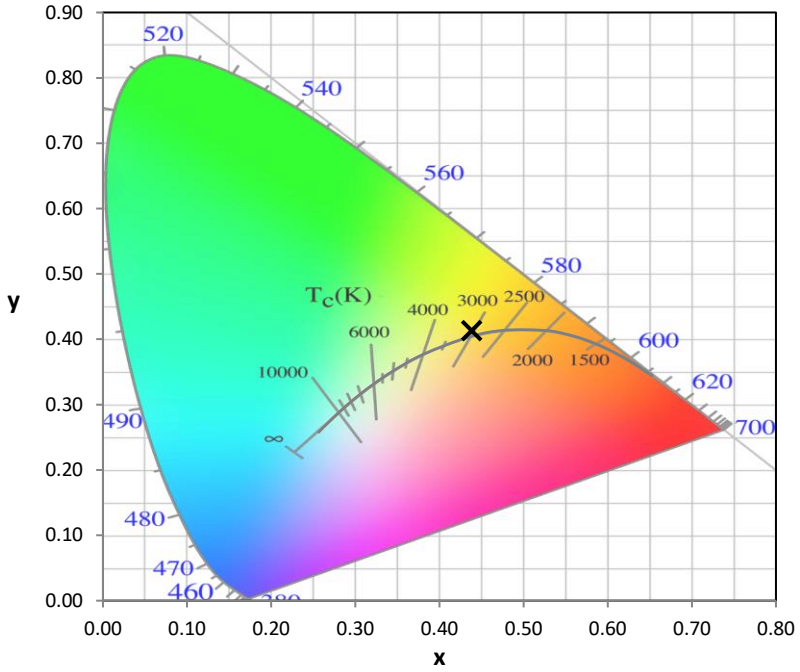
Stabilization Time:	20M
Operation Time:	1H 20M
Sphere Temperature (°C):	24.2

REPORT NUMBER: SP1-2408-195-9

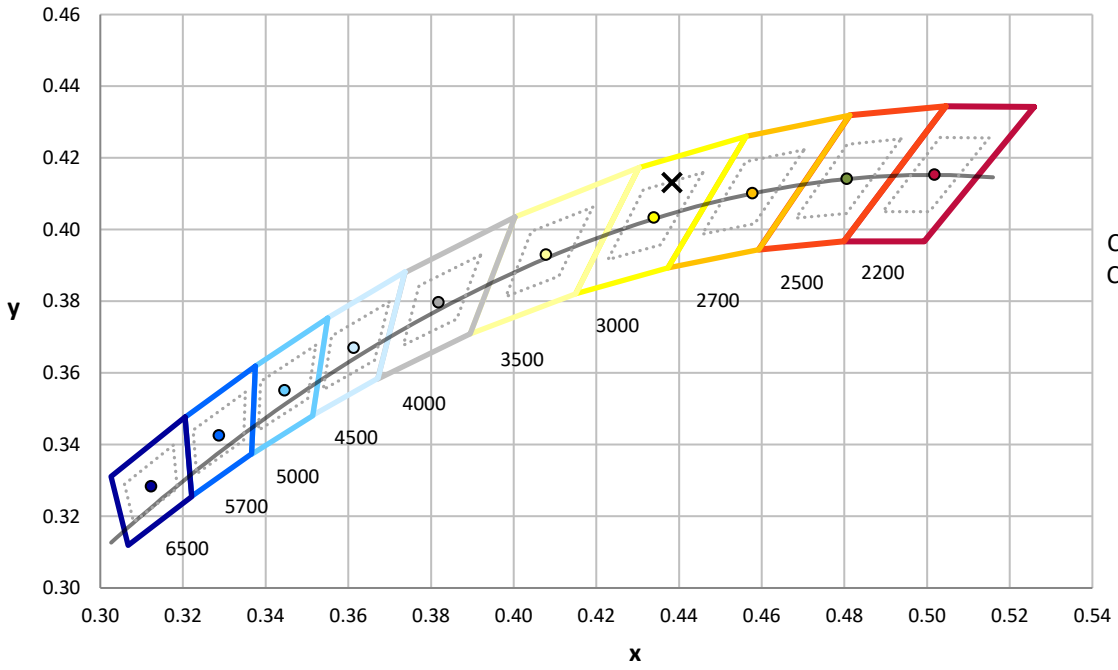
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

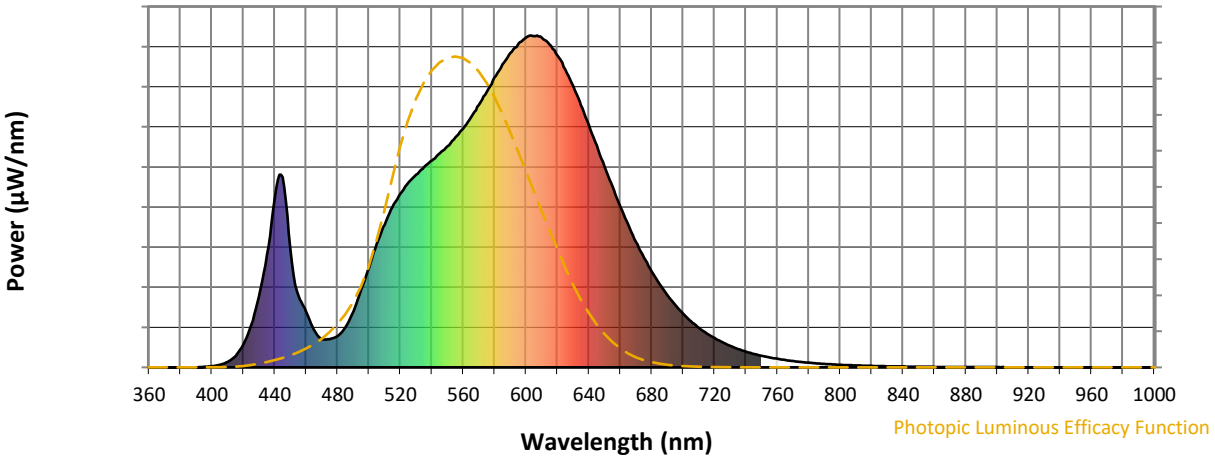


CCT = 3050K
CIE x = 0.4383
CIE y = 0.4131
Duv = 0.0034

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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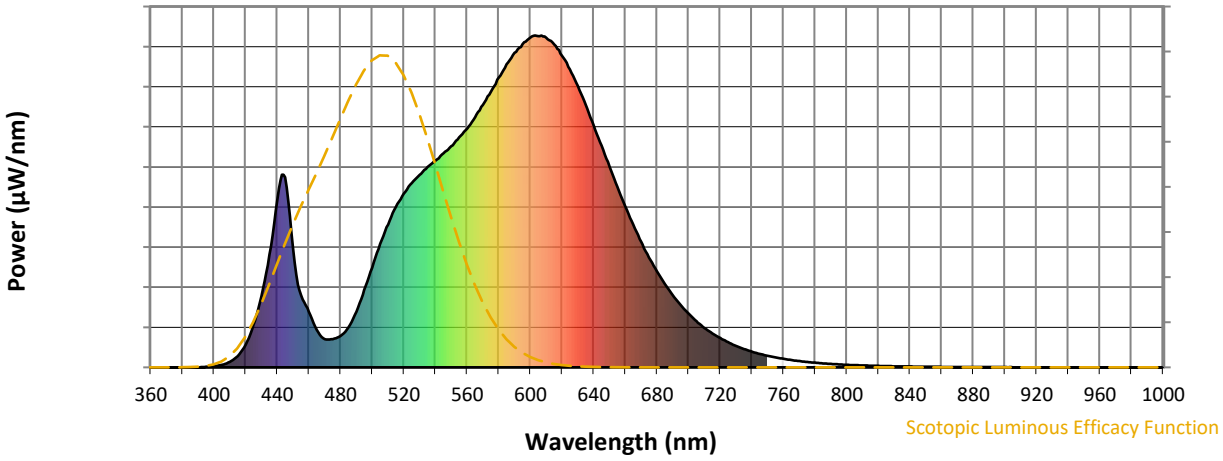
Scotopic Flux vs. Wavelength



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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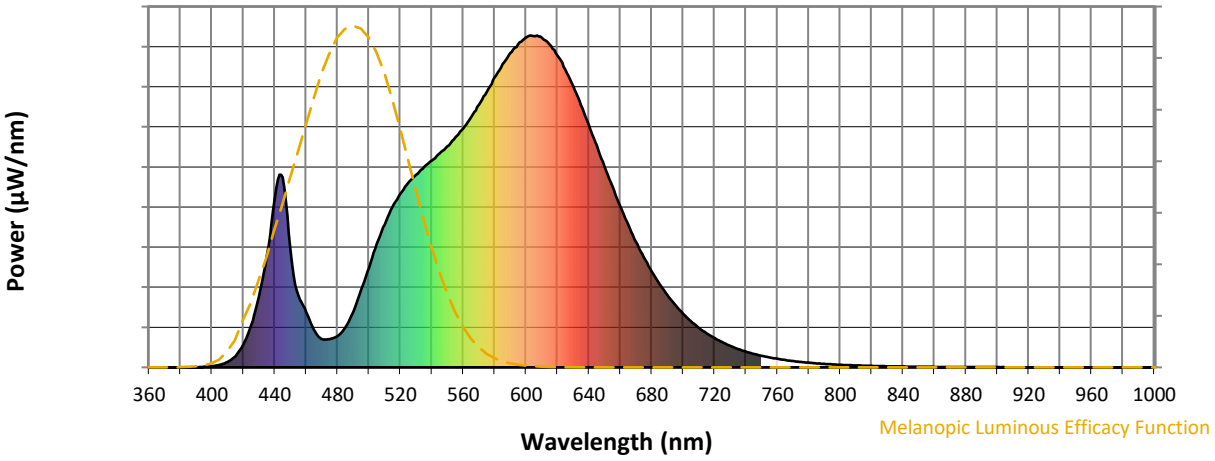
Melanopic Flux vs. Wavelength



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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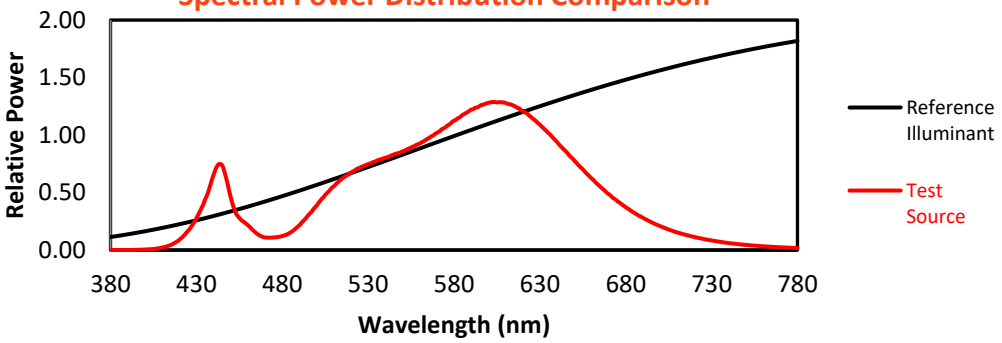
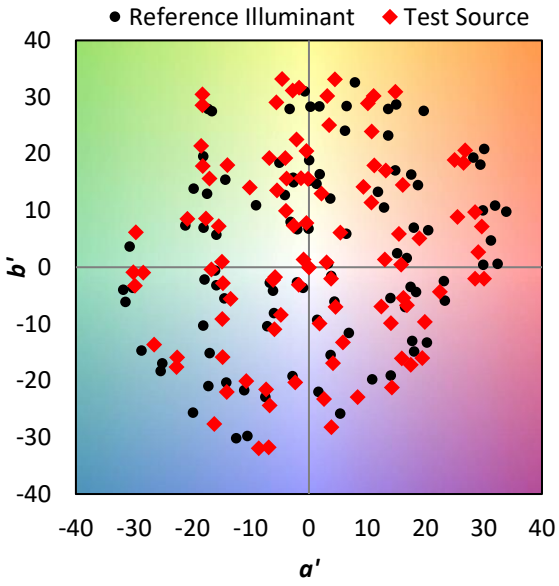
Summary

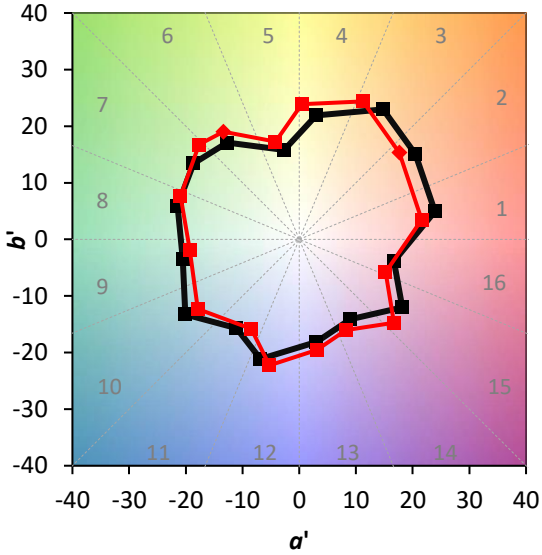
R_f = 81.5
R_g = 99.2
CIE R_a = 81.0
R_9 = 7.1

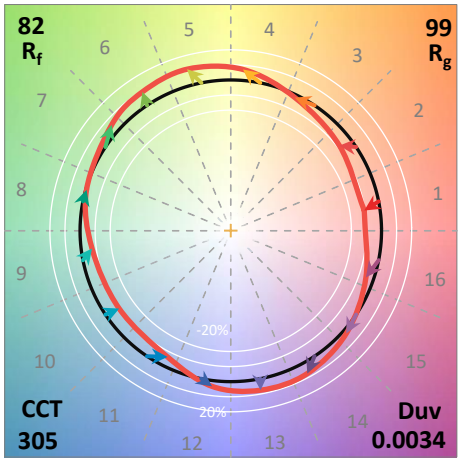
Spectral Power Distribution Comparison

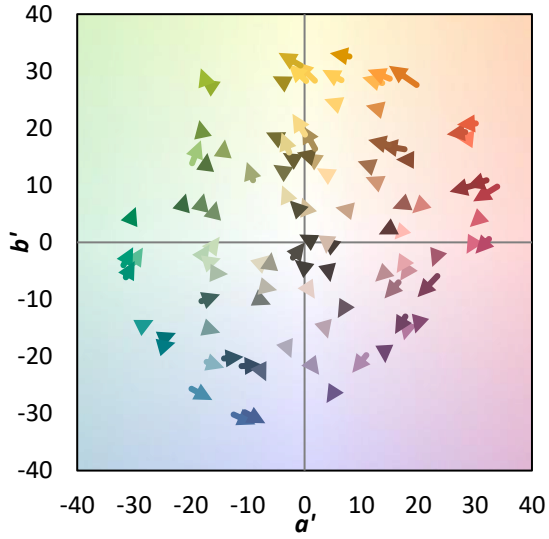


Color Vector Graphics









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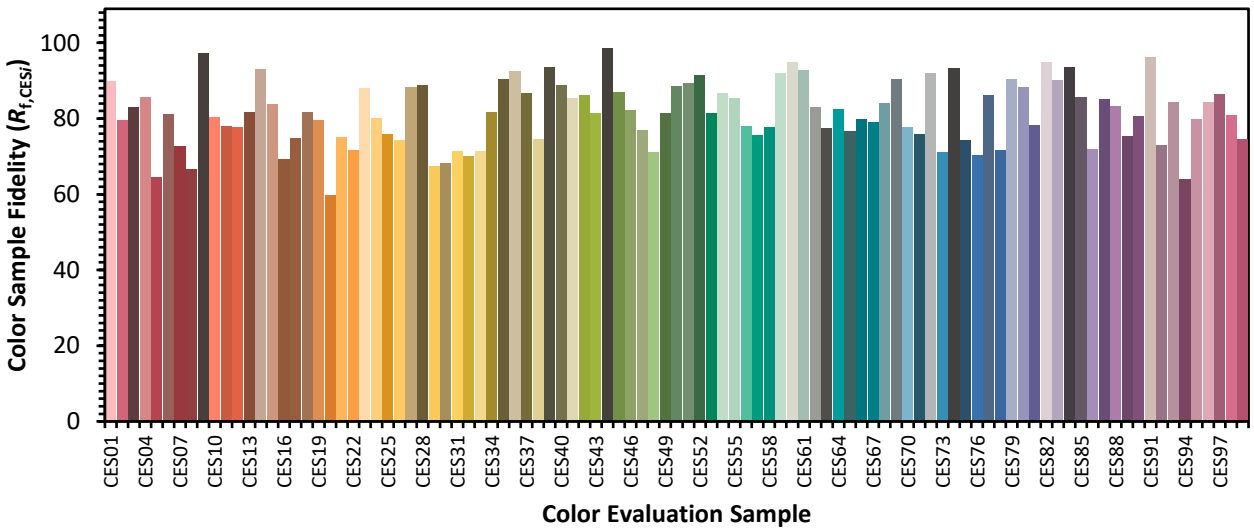
Individual Sample Fidelity Index ($R_{f,i}$)

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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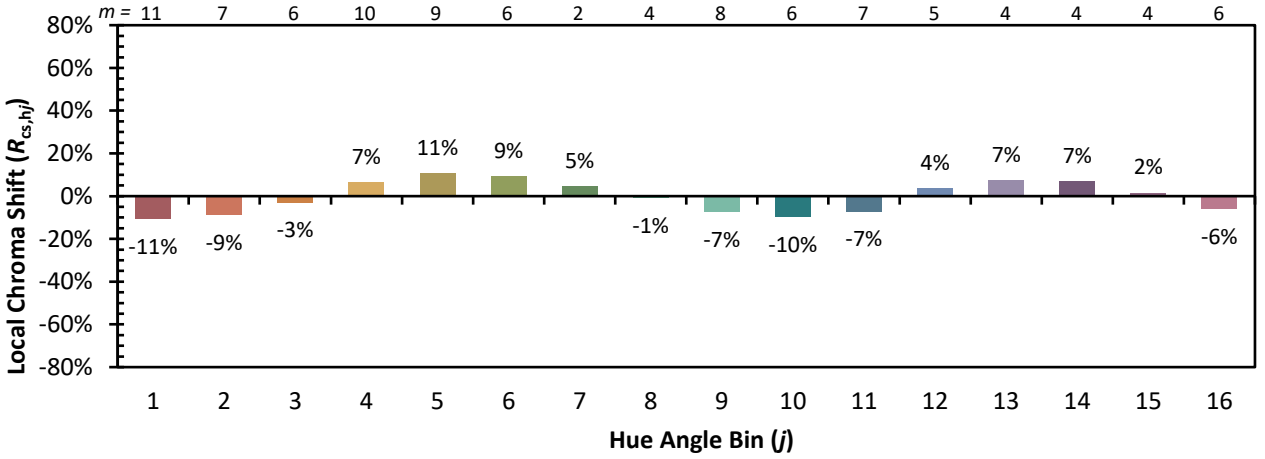
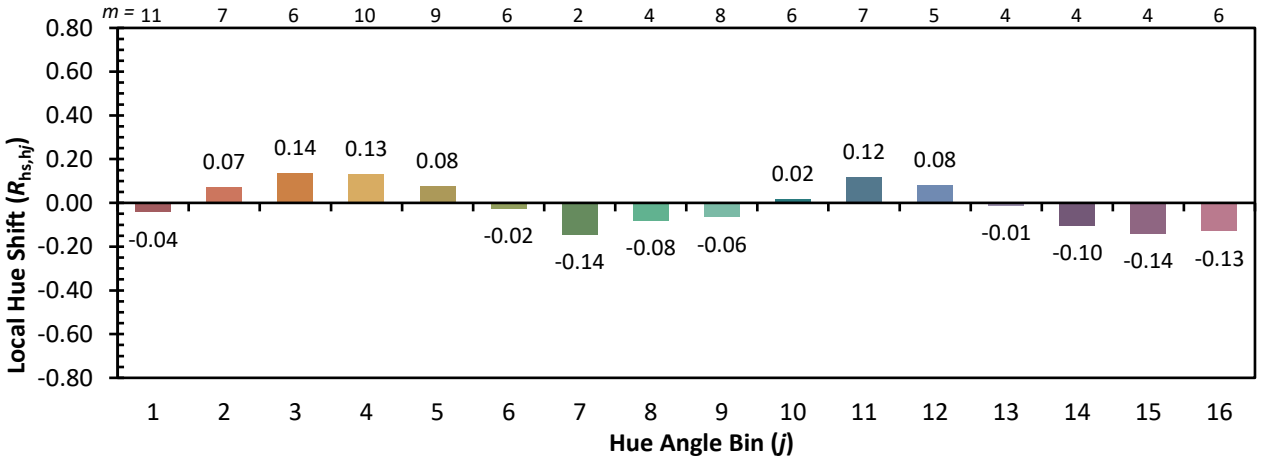
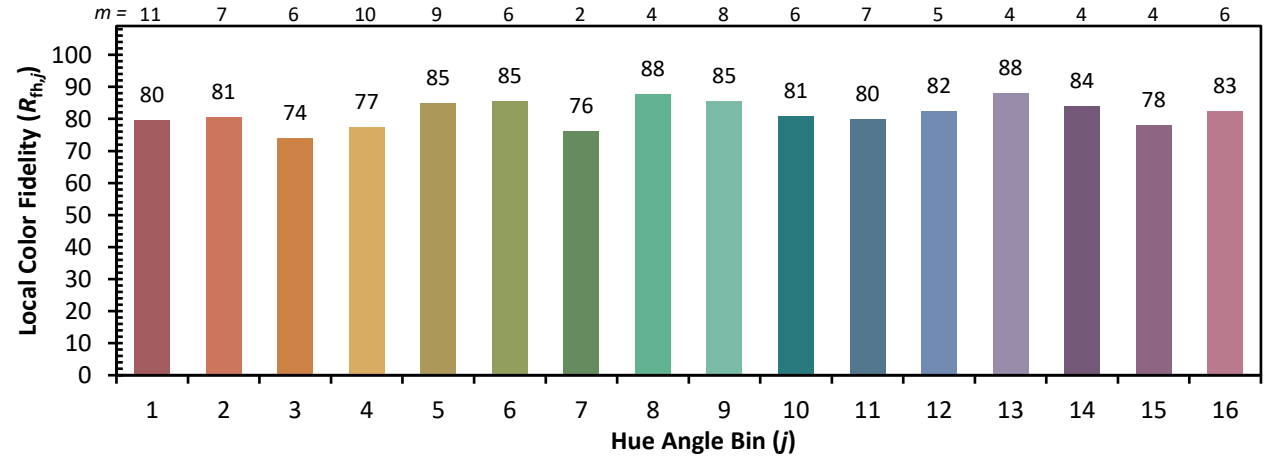
Color Rendition by Hue-Angle Bin







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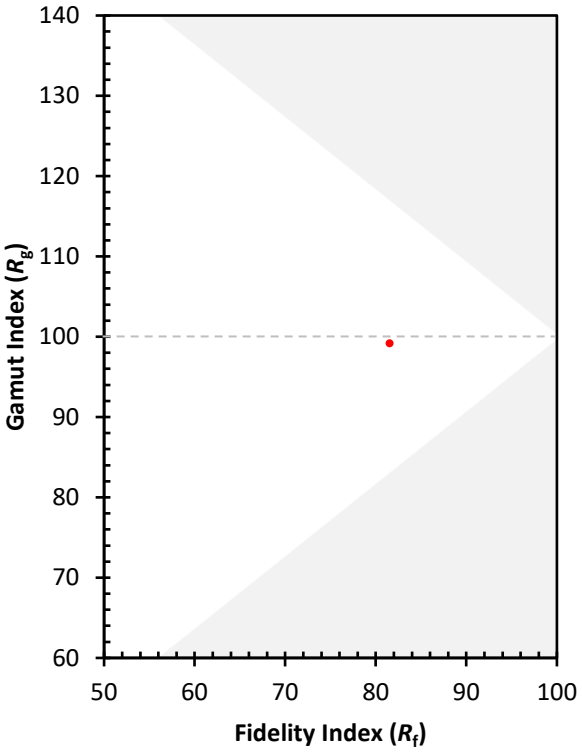
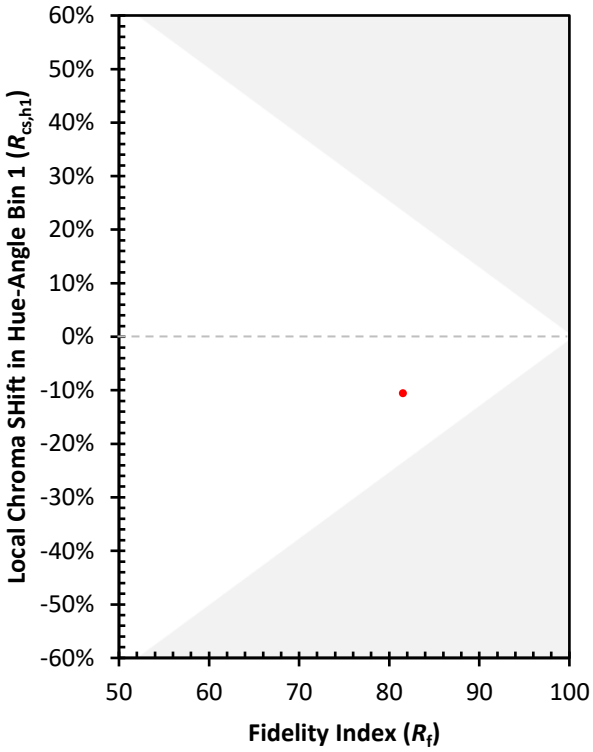
Measure Comparisons





(END OF REPORT)