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: P319185

Luminaire Tested: **GLEON-SA1A-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:	P319185
	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-SA1A-830-U-T4W
Description:	GALLEON AREA AND ROADWAY LUMINAIRE
	(1) 80 CRI, 3000K, 615mA LIGHTSQUARE WITH 16 LEDS AND TYPE IV WIDE OPTICS
Light Source:	-
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	3850 lumens
Efficiency:	N/A
Efficacy:	113.2 lumens/watt
Luminous Opening:	Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification:	Type IV - Short
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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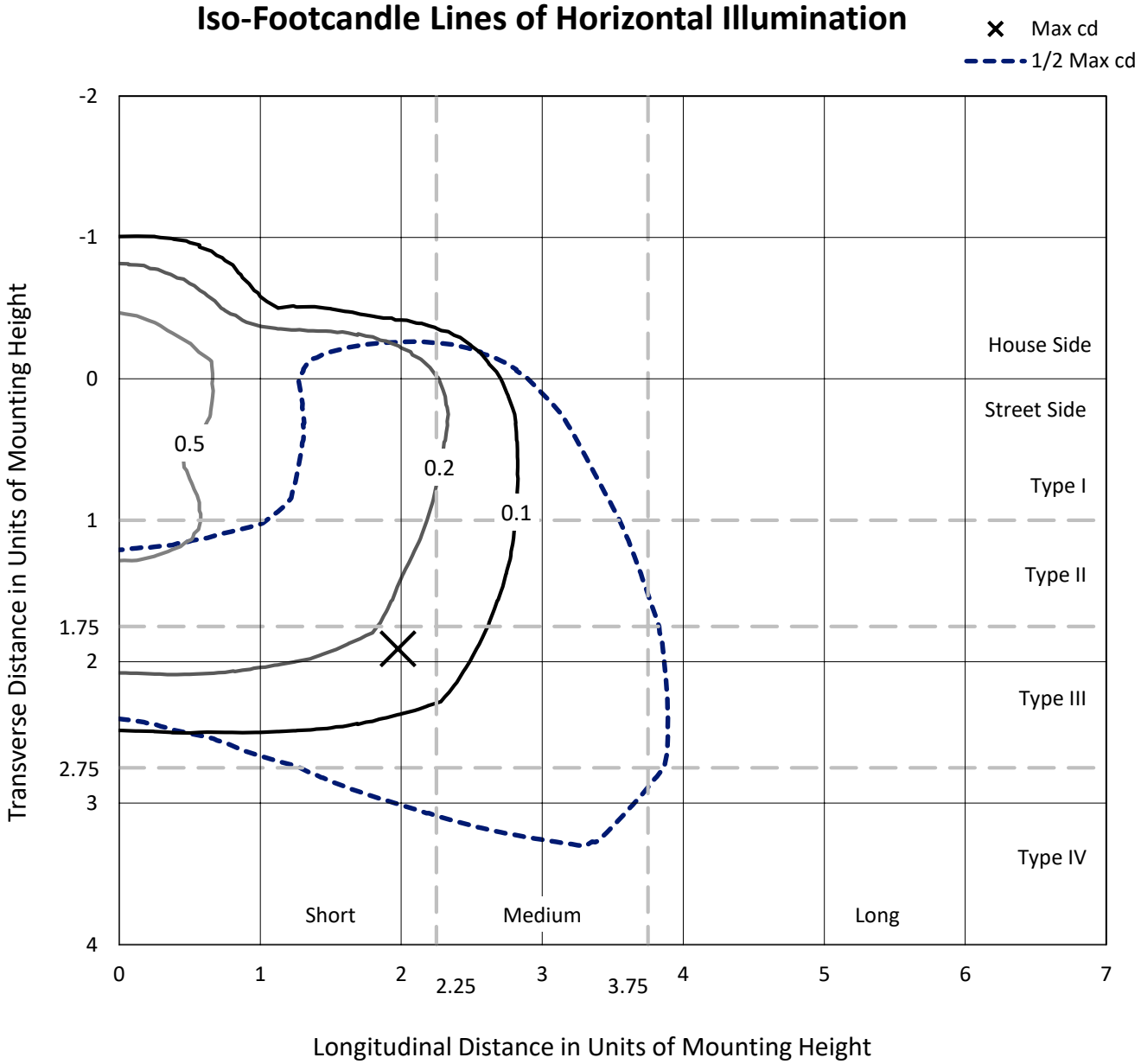
REPORT NUMBER: P319185
CATALOG NUMBER: GLEON-SA1A-830-U-T4W

Iso-Footcandle Lines of Horizontal Illumination



Based on 25 foot mounting height. Maximum calculated value = 0.8 fc
Type IV - Short - N/A

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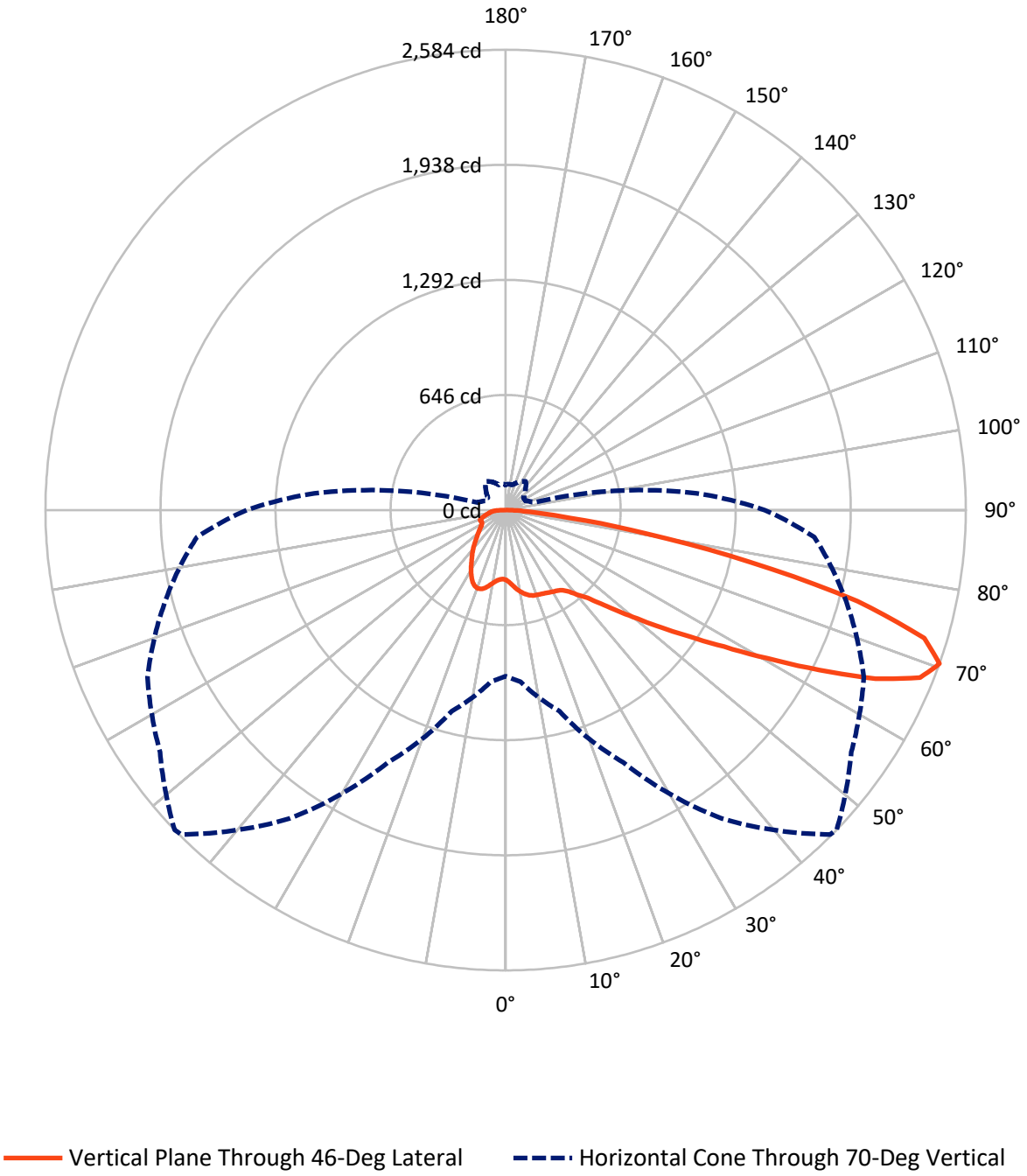
Luminous Intensity Polar Plot



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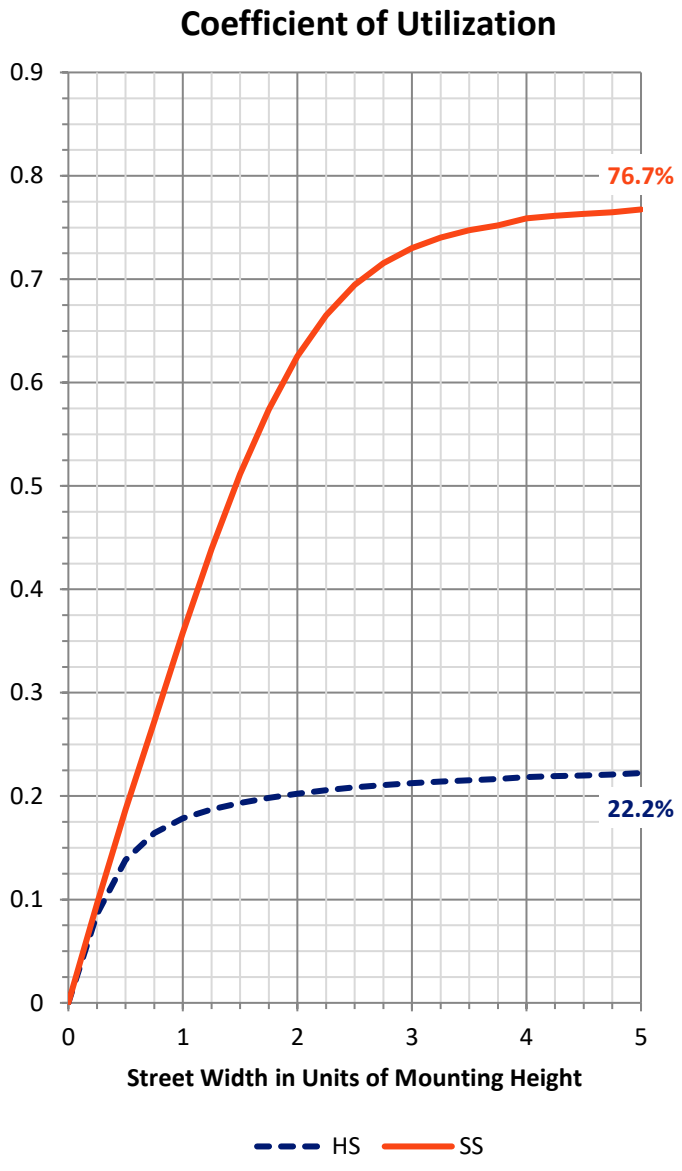
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	882.4	0.0	882.4
	% Fixture	22.9	0.0	22.9
Street Side	Lumens	2967.6	0.0	2967.6
	% Fixture	77.1	0.0	77.1
Total	Lumens	3850.0	0.0	3850.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	40.0	1.0
10°-20°	133.2	3.5
20°-30°	222.1	5.8
30°-40°	315.2	8.2
40°-50°	463.7	12.0
50°-60°	785.2	20.4
60°-70°	1114.6	29.0
70°-80°	677.1	17.6
80°-90°	98.8	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°	3850.0	100.0
0°-180°	3850.0	100.0



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REPORT NUMBER: P319185
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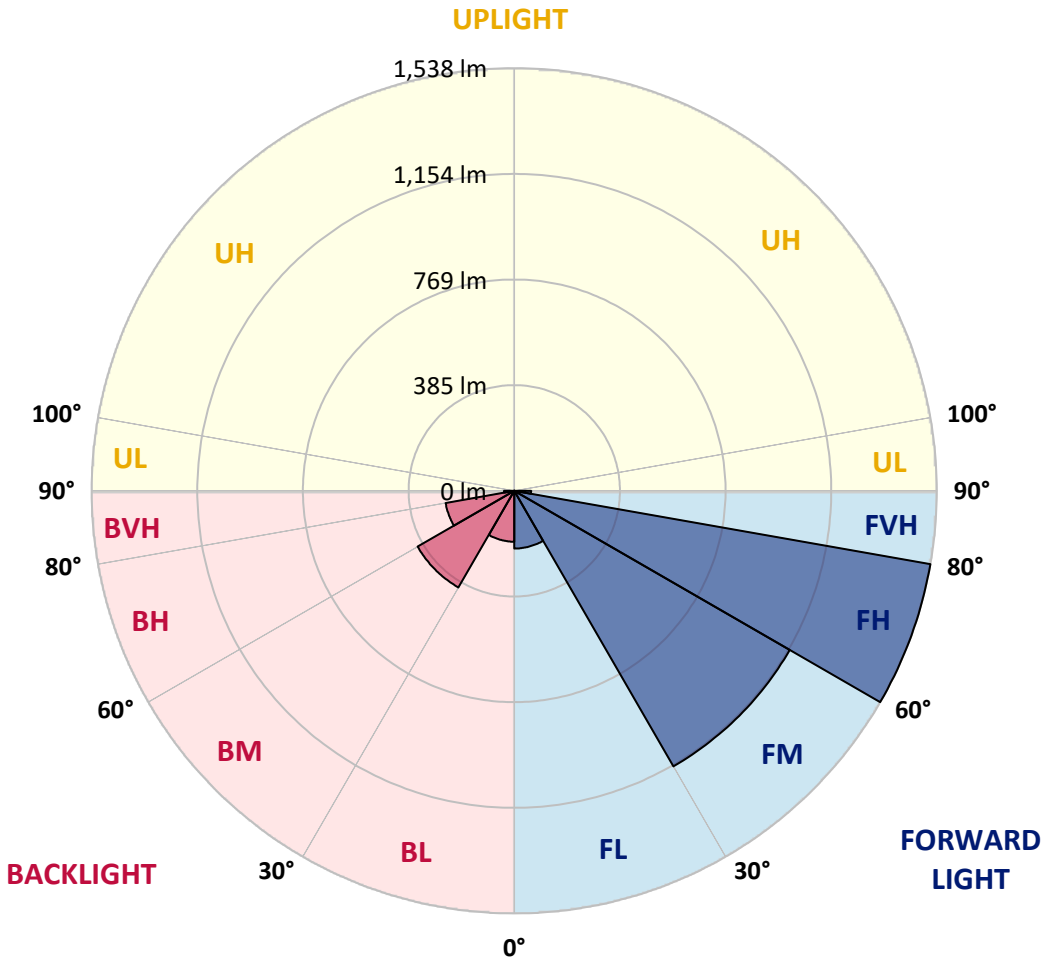
LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	210.1	5.5			
FM	(30°-60°)	1157.9	30.1			
FH	(60°-80°)	1538.1	39.9			G1/1800
FVH	(80°-90°)	61.6	1.6			G1/100
BL	(0°-30°)	185.3	4.8	B1/500		
BM	(30°-60°)	406.2	10.6	B1/1000		
BH	(60°-80°)	253.7	6.6	B1/500		G1/500
BVH	(80°-90°)	37.3	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-G1
Type IV Short



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Scaled Data Report

REPORT NUMBER: P319185
CATALOG NUMBER: GLEON-SA1A-830-U-T4W

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	46°	55°	65°	75°	85°
0°	392.2	392.2	392.2	392.2	392.2	392.2	*392.2*	392.2	392.2	392.2	392.2
2.5°	411.9	412.1	412.7	411.3	407.7	406.6	*406.2*	402.4	399.9	396.2	393.0
5°	444.8	445.1	444.3	440.6	432.4	426.4	*425.8*	417.1	409.2	400.8	394.5
7.5°	479.2	479.6	477.1	470.1	458.6	448.1	*447.4*	435.6	423.6	410.8	401.3
10°	509.6	508.1	504.0	494.2	480.6	467.7	*467.2*	454.8	441.0	425.6	412.9
12.5°	529.9	528.6	523.3	511.5	496.6	484.7	*483.7*	472.2	458.8	441.9	426.8
15°	541.1	542.0	534.9	521.5	507.0	497.0	*496.1*	487.9	475.9	458.9	441.5
17.5°	542.6	543.4	536.5	523.2	511.3	504.5	*504.1*	498.7	490.0	473.7	455.5
20°	534.1	534.7	529.0	518.1	510.3	508.2	*508.1*	505.7	499.2	484.7	467.1
22.5°	521.9	522.3	518.2	510.3	507.7	511.0	*511.9*	511.0	506.3	492.8	476.2
25°	518.9	518.6	514.4	506.3	508.6	515.6	*516.7*	517.1	514.0	502.1	487.8
27.5°	533.5	532.6	524.5	511.6	513.1	521.5	*523.1*	526.9	524.9	514.5	500.9
30°	575.8	574.2	557.7	531.6	524.5	528.9	*530.8*	536.9	537.3	528.6	518.5
32.5°	647.2	645.2	615.7	569.1	543.9	536.4	*538.2*	547.3	552.2	545.5	534.5
35°	737.4	735.2	696.5	632.7	576.3	550.7	*552.1*	559.3	569.1	559.6	545.1
37.5°	831.5	826.1	788.8	707.5	627.8	581.4	*581.4*	582.4	587.0	567.2	557.5
40°	925.1	919.7	885.9	795.5	694.5	629.8	*626.8*	606.3	602.7	585.7	582.4
42.5°	1012.0	1010.4	990.5	895.0	772.8	677.4	*673.1*	638.5	639.3	628.7	628.9
45°	1104.5	1104.5	1088.3	995.4	863.9	753.8	*749.6*	698.6	706.5	701.6	713.3
47.5°	1180.0	1182.4	1180.1	1100.0	970.0	850.9	*843.2*	781.8	804.0	820.7	854.8
50°	1257.1	1260.8	1261.2	1214.8	1098.2	966.3	*957.6*	892.4	941.8	989.8	1056.8
52.5°	1369.0	1377.3	1344.2	1329.3	1255.2	1103.3	*1094.8*	1034.6	1117.0	1184.4	1299.9
55°	1472.6	1465.4	1441.8	1451.0	1423.4	1259.3	*1252.9*	1200.0	1312.3	1399.8	1549.9
57.5°	1528.8	1528.2	1552.0	1591.5	1604.7	1451.7	*1446.3*	1394.9	1532.5	1598.2	1784.5
60°	1594.7	1595.6	1654.3	1744.1	1798.3	1691.2	*1688.9*	1649.9	1746.3	1783.5	1968.6
62.5°	1603.9	1620.5	1721.7	1876.1	1979.6	1971.1	*1976.4*	1879.5	1937.6	1931.3	2106.0
65°	1497.8	1519.7	1702.8	1916.0	2159.9	2277.2	*2282.0*	2110.5	2088.5	2057.6	2155.1
67.5°	1280.4	1312.8	1511.8	1829.2	2219.3	2503.4	*2510.2*	2289.5	2213.6	2100.5	2036.8
70°	*931.8*	*967.8*	*1168.0*	*1562.2*	*2113.4*	*2575.7*	*2583.5*	*2368.7*	*2218.4*	*1978.6*	*1738.8*
72.5°	562.9	591.1	756.2	1150.1	1783.7	2444.0	*2457.8*	2268.3	2025.4	1675.9	1284.0
75°	247.2	265.6	365.6	662.7	1277.0	2022.1	*2039.3*	1941.6	1645.6	1218.0	758.9
77.5°	105.3	110.5	149.9	287.9	721.9	1381.7	*1405.4*	1418.6	1116.5	662.7	320.7
80°	65.6	67.7	84.9	130.3	337.8	776.0	*801.6*	834.7	554.4	243.6	112.0
82.5°	39.9	42.3	56.4	78.8	175.9	351.8	*364.0*	387.4	215.2	105.3	58.0
85°	24.0	25.7	34.5	49.8	100.1	138.3	*138.2*	152.8	101.3	67.7	30.6
87.5°	11.5	12.8	18.4	25.8	50.5	51.9	*48.6*	55.1	61.5	44.4	15.4
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: P319185
CATALOG NUMBER: GLEON-SA1A-830-U-T4W

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	392.2	392.2	392.2	392.2	392.2	392.2	392.2	392.2	392.2	392.2	392.2
2.5°	392.0	391.4	389.7	388.4	388.2	387.4	386.7	387.1	387.6	387.8	387.8
5°	391.8	390.4	388.2	387.2	388.4	390.0	392.0	394.6	396.2	397.4	398.2
7.5°	398.2	395.4	392.9	392.4	394.7	399.0	403.4	409.0	412.8	415.4	416.0
10°	408.7	405.3	402.8	403.3	407.5	413.6	419.9	427.0	432.8	436.4	436.6
12.5°	420.8	417.5	415.2	417.4	424.4	431.8	438.4	444.5	449.8	453.4	453.4
15°	434.8	432.4	429.7	434.8	444.3	450.9	453.6	456.7	459.6	462.2	461.7
17.5°	448.2	446.0	444.5	450.6	460.5	463.5	461.7	459.4	459.4	460.9	461.1
20°	459.8	457.9	458.8	464.7	469.8	466.7	459.8	452.7	449.8	450.6	451.4
22.5°	470.0	469.1	471.8	474.6	470.9	459.8	447.2	437.6	434.0	433.7	434.0
25°	481.8	481.7	485.1	480.1	463.8	443.4	426.4	417.0	415.0	416.6	419.2
27.5°	496.6	498.0	499.8	481.4	449.3	418.5	401.2	394.7	396.7	400.5	403.0
30°	515.4	519.4	515.7	478.1	428.5	390.0	373.5	371.7	377.1	382.5	385.1
32.5°	533.7	539.9	531.0	469.6	401.6	359.8	347.0	346.5	353.1	358.4	362.1
35°	548.5	560.8	542.4	452.6	370.5	332.0	322.7	319.1	321.5	327.7	331.9
37.5°	567.7	588.2	550.3	426.6	336.8	309.1	298.2	290.0	287.9	290.4	292.5
40°	602.9	629.9	554.0	390.4	303.8	286.2	275.1	263.1	254.8	248.8	248.9
42.5°	660.4	684.3	551.7	346.4	273.4	263.8	251.3	237.4	224.0	210.3	209.2
45°	753.6	765.2	544.6	299.7	246.6	240.3	228.6	214.8	196.8	181.3	179.8
47.5°	902.9	877.2	533.5	259.0	223.1	220.4	209.6	193.7	174.7	162.2	161.1
50°	1106.5	1038.9	528.1	226.6	202.2	203.0	194.2	177.3	159.4	150.2	149.1
52.5°	1350.0	1227.2	538.5	201.6	185.5	188.3	181.7	165.9	150.9	143.6	142.6
55°	1602.6	1422.2	549.7	183.4	169.7	175.1	172.9	159.8	146.2	139.5	138.6
57.5°	1818.8	1567.8	527.3	168.6	155.6	164.0	166.0	156.0	143.9	137.8	136.8
60°	1954.9	1626.4	468.5	154.8	144.4	155.2	162.1	154.9	144.8	144.3	143.5
62.5°	2019.4	1621.3	380.4	143.9	137.4	151.4	165.0	160.9	155.3	160.1	160.5
65°	1990.4	1543.8	283.3	136.6	132.4	152.8	173.7	172.1	158.4	163.1	163.8
67.5°	1799.7	1358.9	209.8	130.3	126.9	156.9	189.5	175.8	152.4	155.9	153.8
70°	*1454.6*	*1077.4*	*161.8*	*123.2*	*121.2*	*156.4*	*196.6*	*173.5*	*146.0*	*146.8*	*141.1*
72.5°	1003.1	734.7	131.6	116.6	113.0	142.6	191.6	168.0	140.6	134.5	127.0
75°	545.5	394.3	111.9	109.8	98.7	125.2	182.4	164.0	135.7	127.7	123.5
77.5°	214.6	163.6	97.1	100.4	86.3	110.5	172.1	156.5	129.0	118.4	116.3
80°	87.6	83.5	80.5	86.8	74.2	96.7	159.7	147.7	121.0	109.9	105.7
82.5°	49.7	51.9	62.6	68.5	60.2	89.1	153.8	140.6	111.3	98.4	93.4
85°	25.4	30.4	43.6	49.1	44.3	75.8	141.6	123.1	89.3	75.4	75.8
87.5°	12.3	17.0	27.5	30.8	28.7	54.8	105.8	89.2	69.6	55.1	53.4
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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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

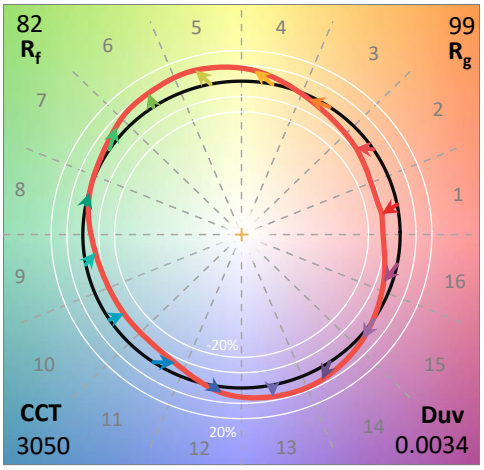
Test Information

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

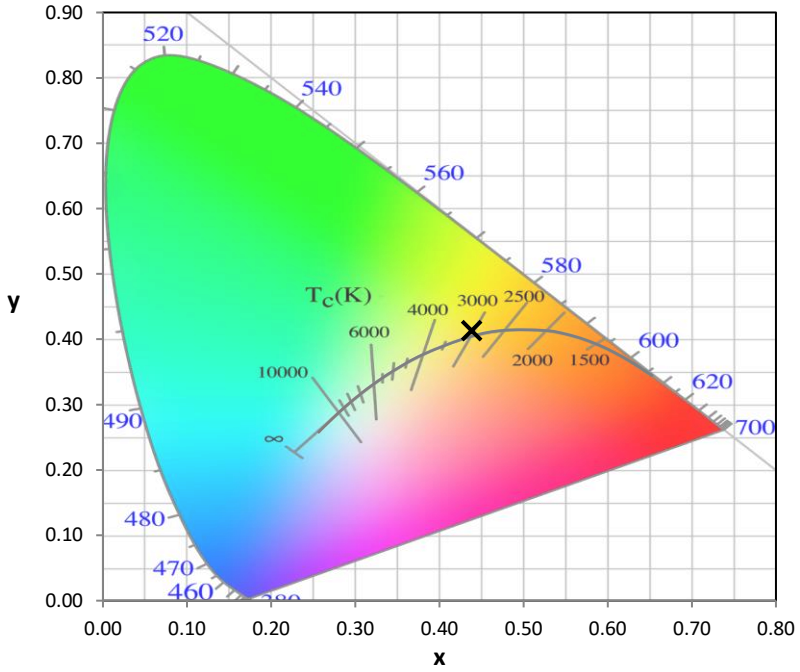
Stabilization Time:	20M
Operation Time:	1H 20M
Sphere Temperature (°C):	24.2

REPORT NUMBER: SP1-2408-195-9

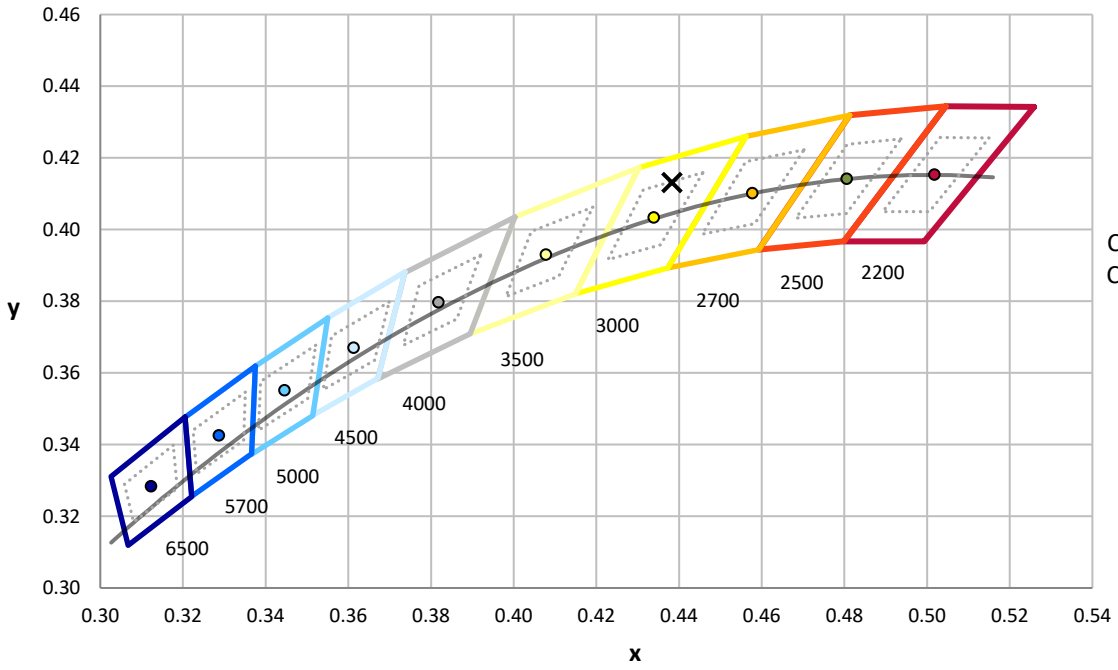
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

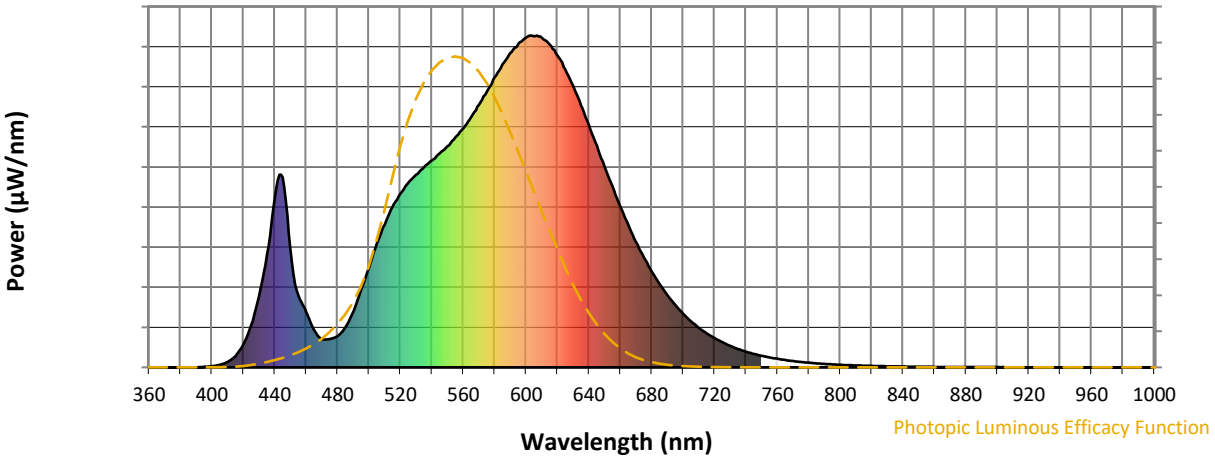


CCT = 3050K
CIE x = 0.4383
CIE y = 0.4131
Duv = 0.0034

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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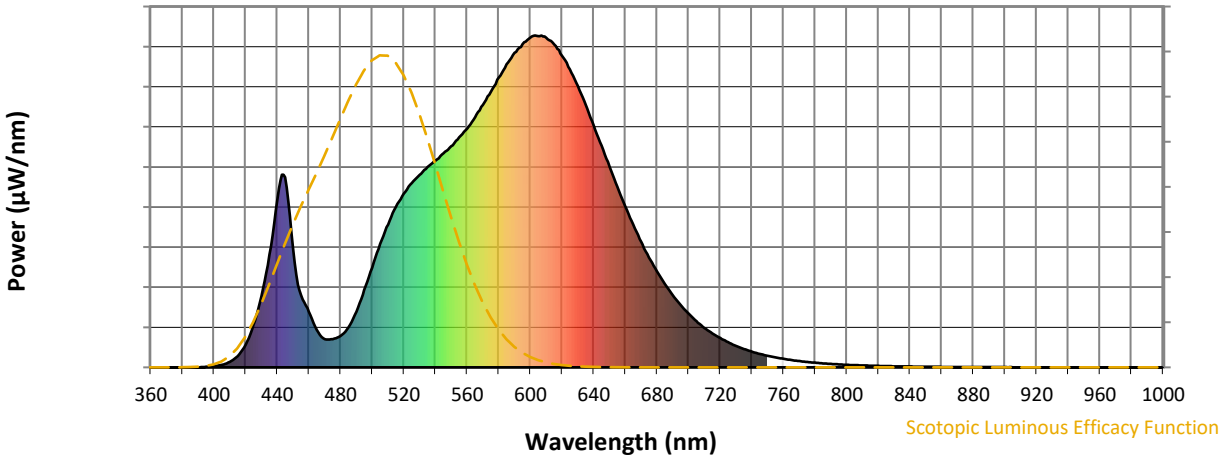
Scotopic Flux vs. Wavelength



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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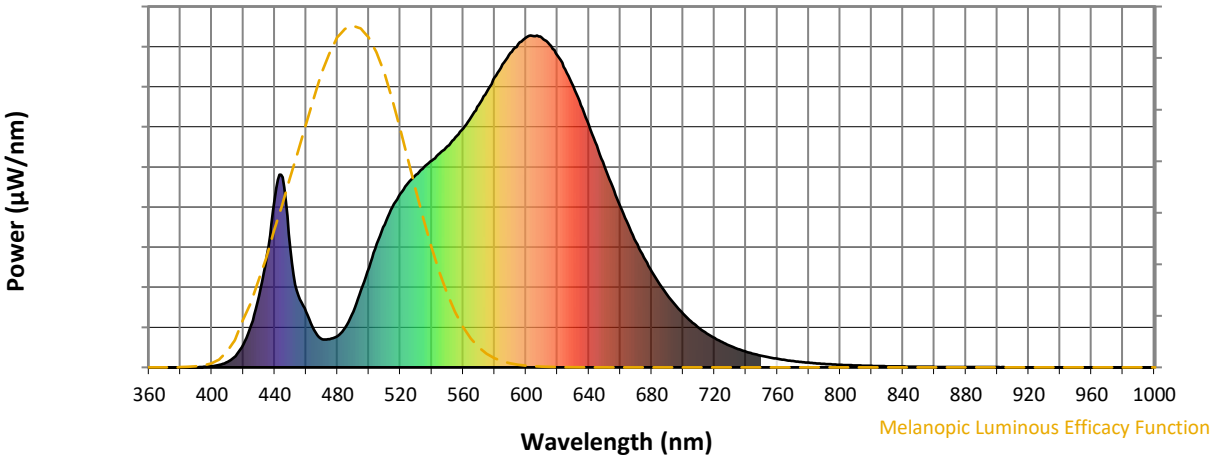
Melanopic Flux vs. Wavelength



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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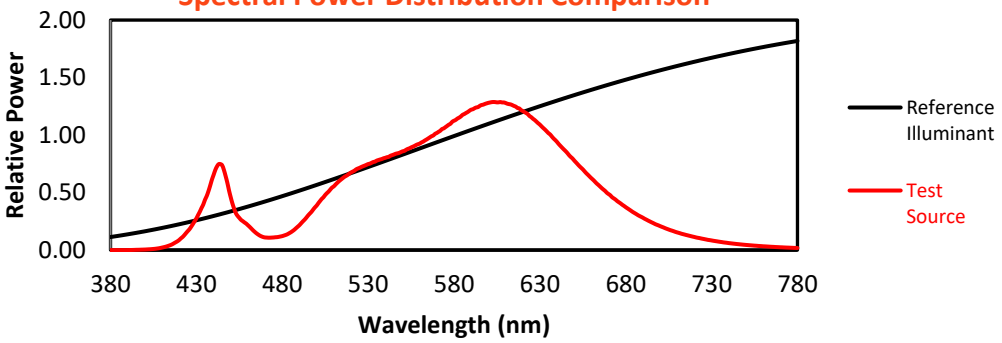
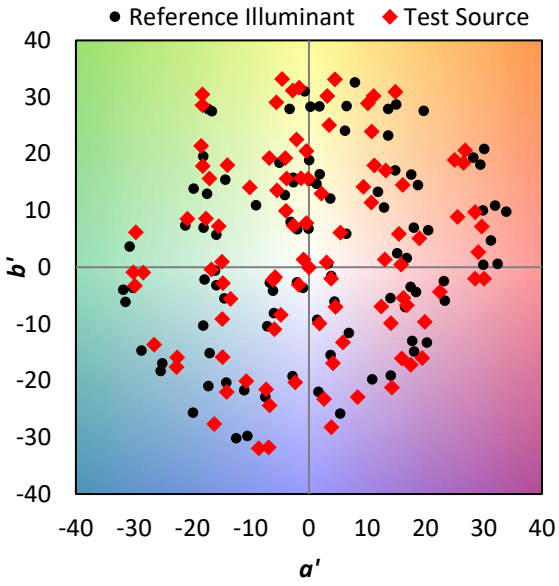
Summary

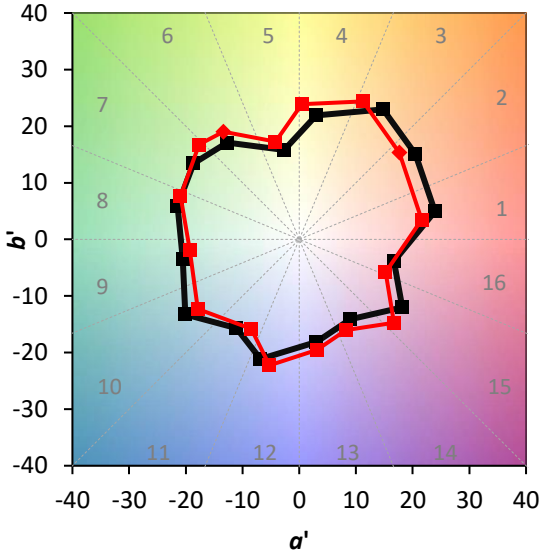
R_f = 81.5
R_g = 99.2
CIE R_a = 81.0
R_9 = 7.1

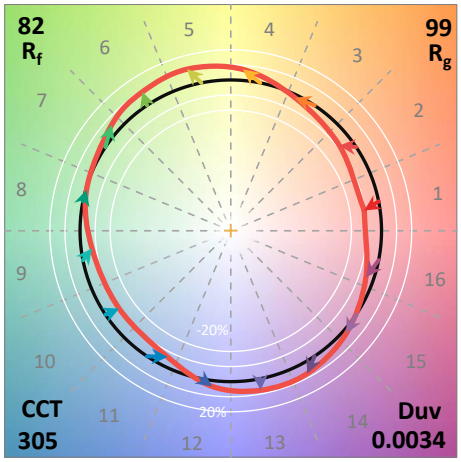
Spectral Power Distribution Comparison

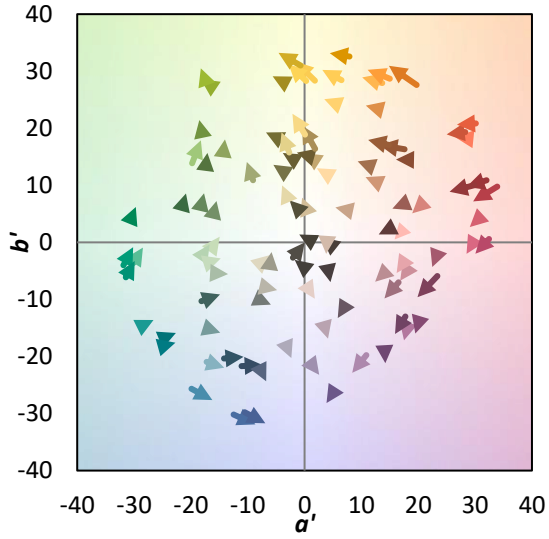


Color Vector Graphics









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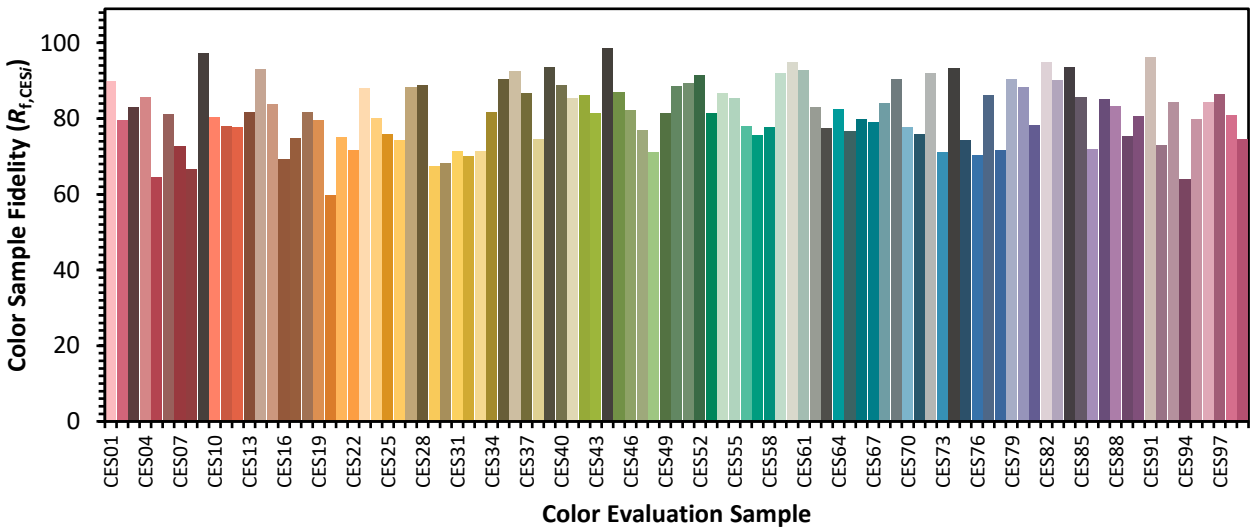
Individual Sample Fidelity Index ($R_{f,i}$)

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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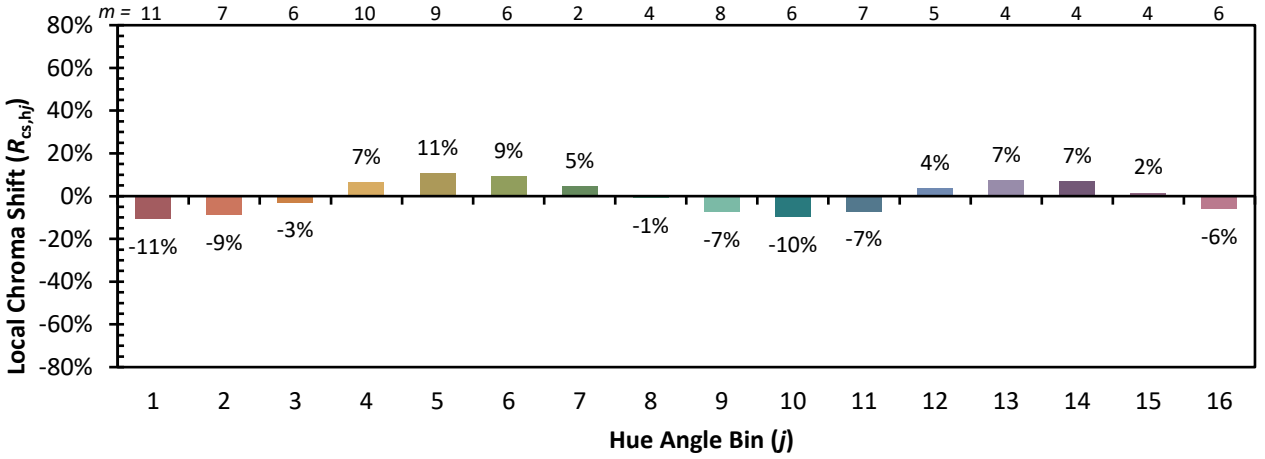
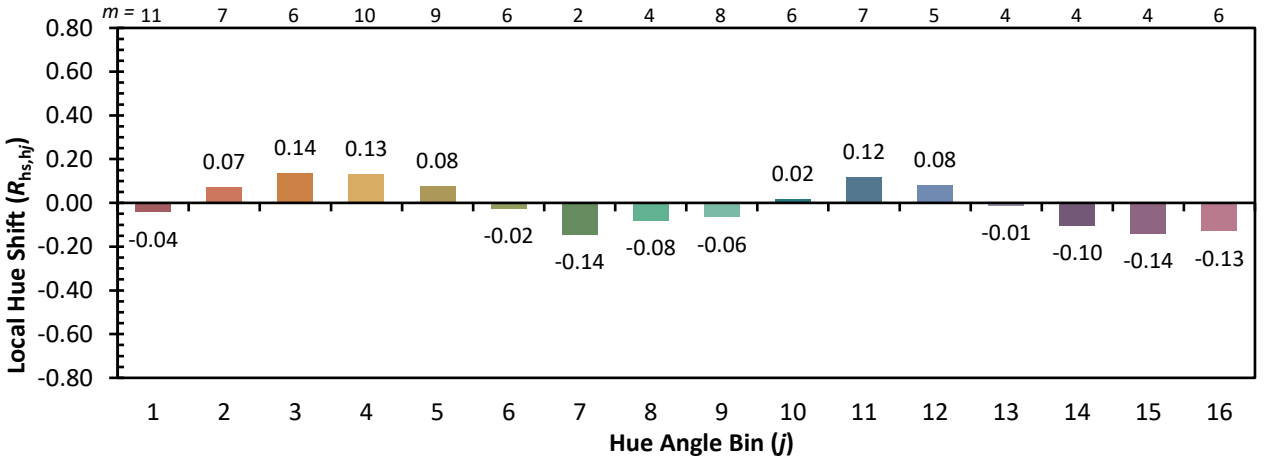
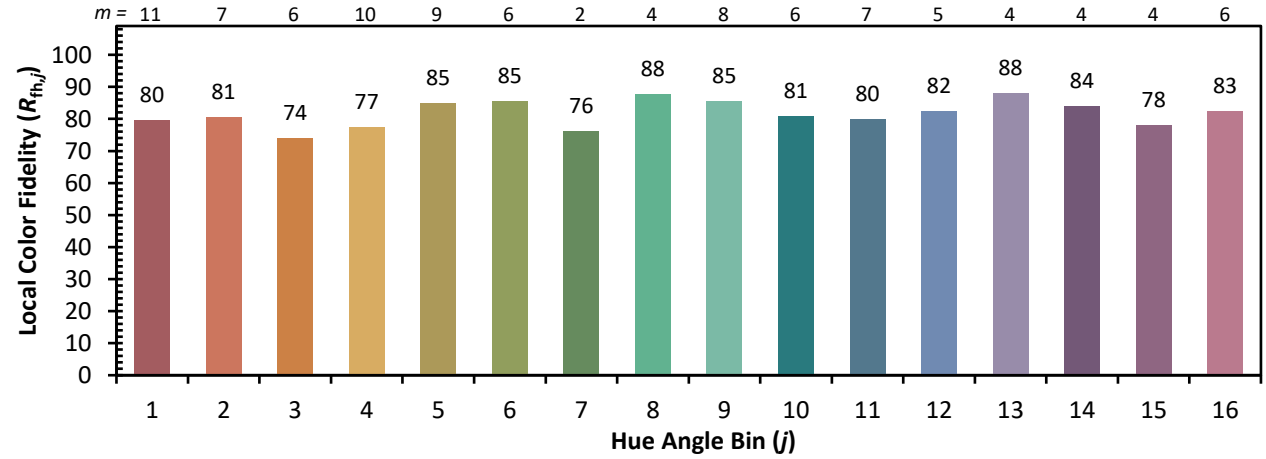
Color Rendition by Hue-Angle Bin







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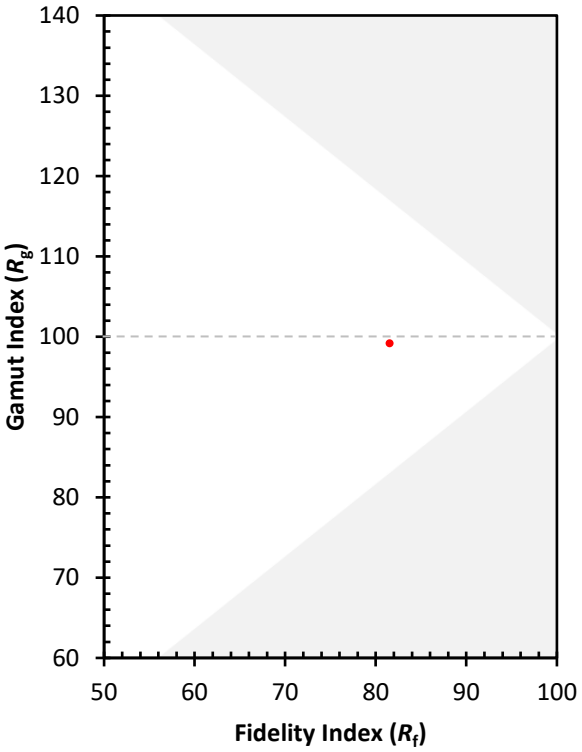
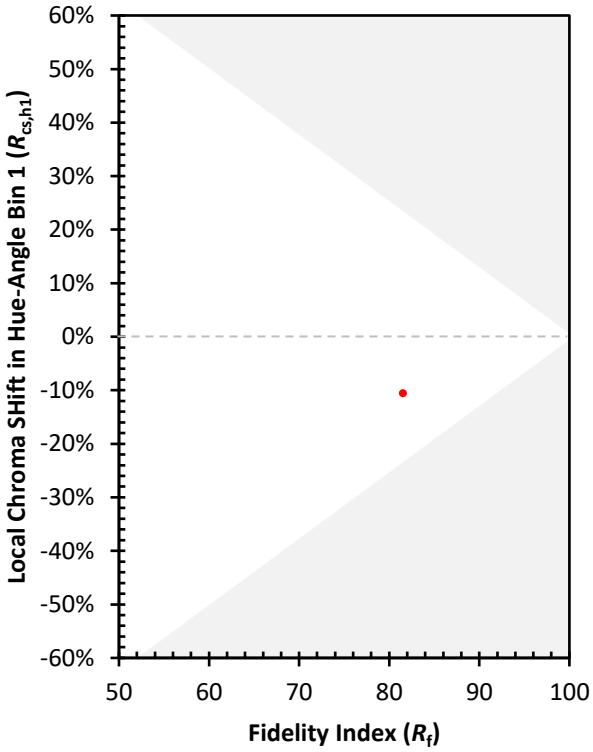
Measure Comparisons





(END OF REPORT)