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: P323665

Luminaire Tested: **GLEON-SA1A-830-U-SL3-HSS**

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:	P323665
	TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-23)
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-SL3-HSS
Description:	GALLEON AREA AND ROADWAY LUMINAIRE
	(1) 80 CRI, 3000K, 615mA LIGHTSQUARE WITH 16 LEDS AND TYPE III SPILL
	LIGHT ELIMINATOR OPTICS WITH HOUSE SIDE SHIELD
Light Source:	-
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	3313 lumens
Efficiency:	N/A
Efficacy:	97.4 lumens/watt
Luminous Opening:	Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification:	Type III - 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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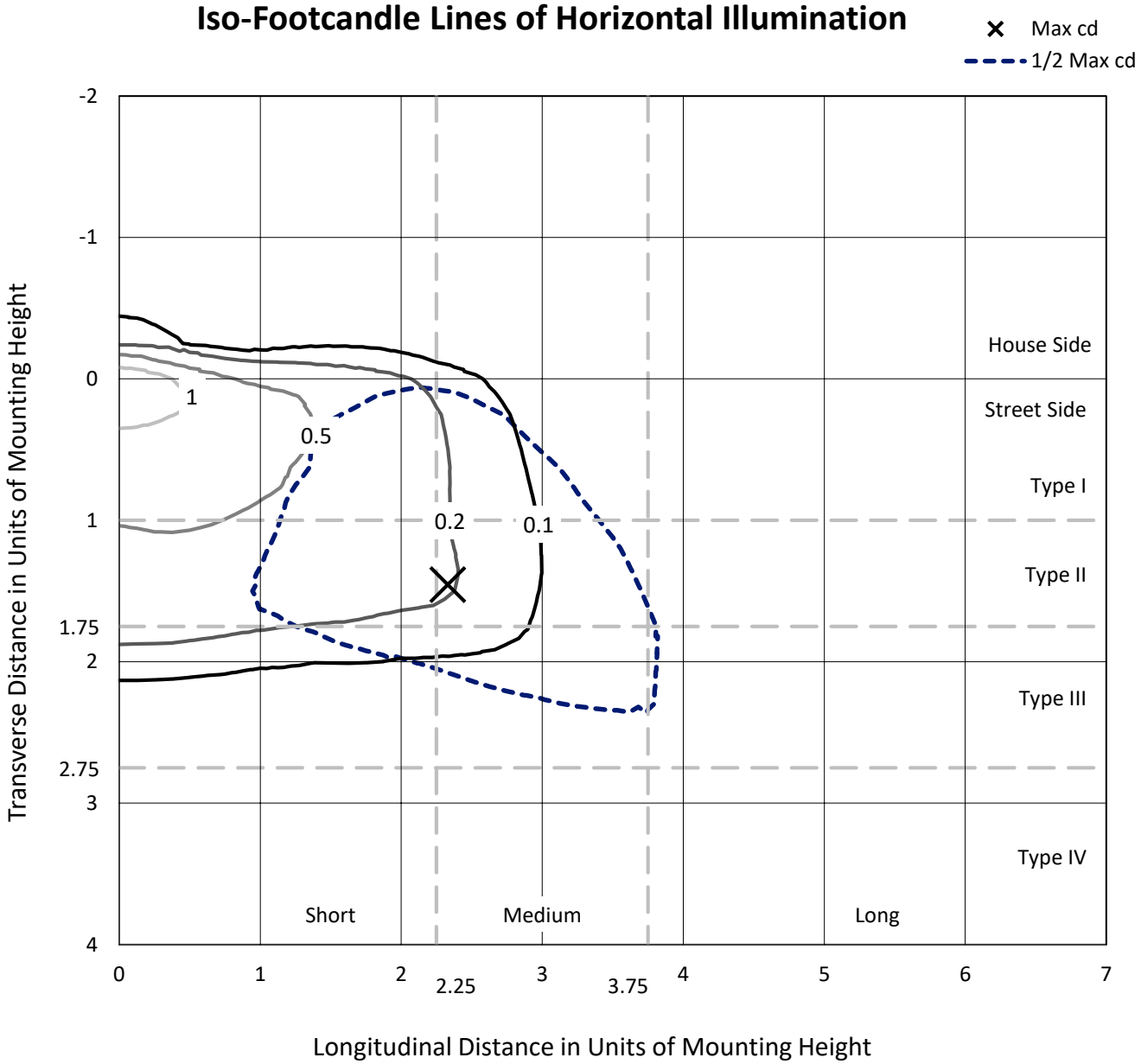
REPORT NUMBER: P323665
CATALOG NUMBER: GLEON-SA1A-830-U-SL3-HSS

Iso-Footcandle Lines of Horizontal Illumination



Based on 25 foot mounting height. Maximum calculated value = 1.6 fc
Type III - Medium - N/A

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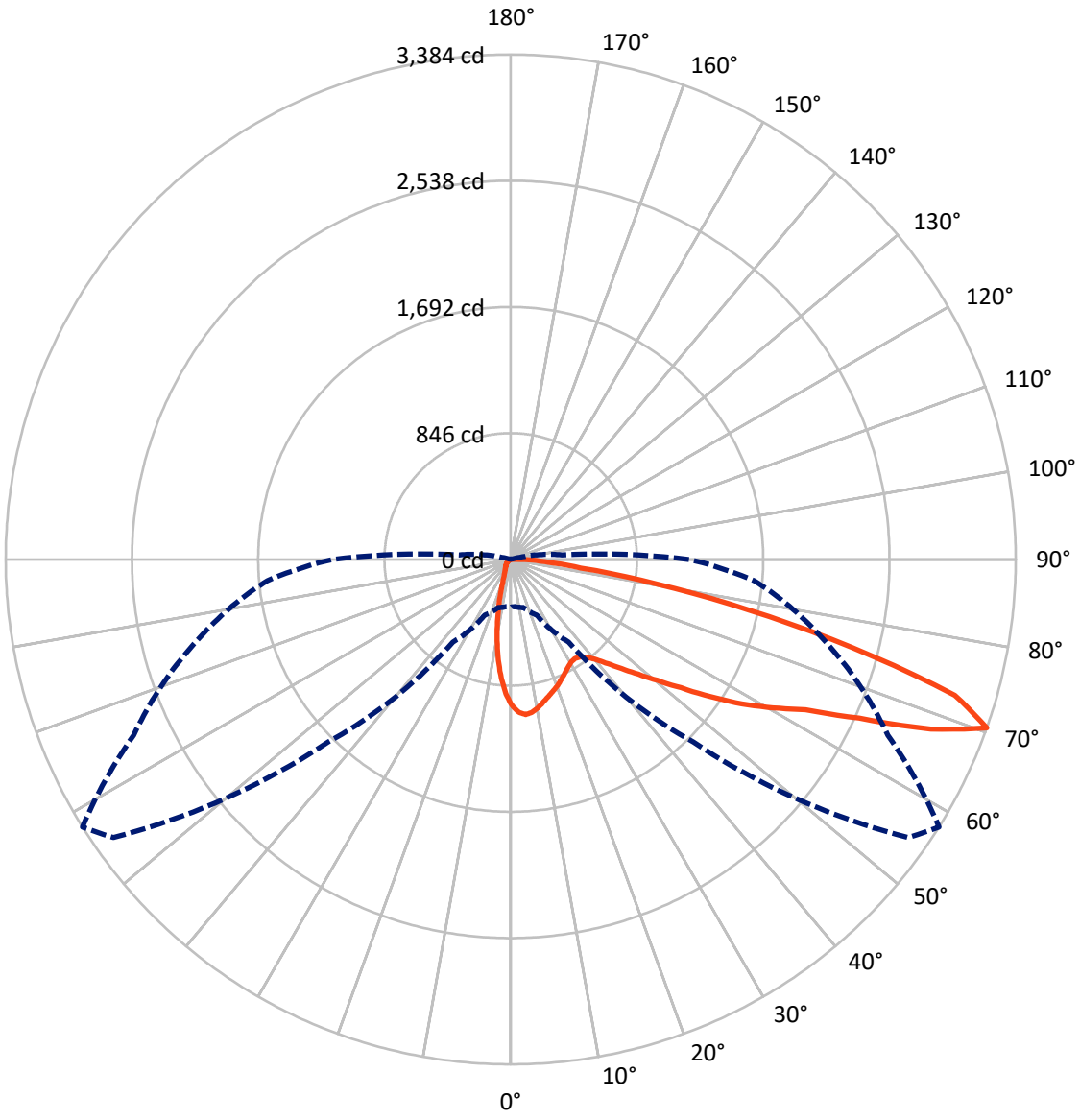
Luminous Intensity Polar Plot



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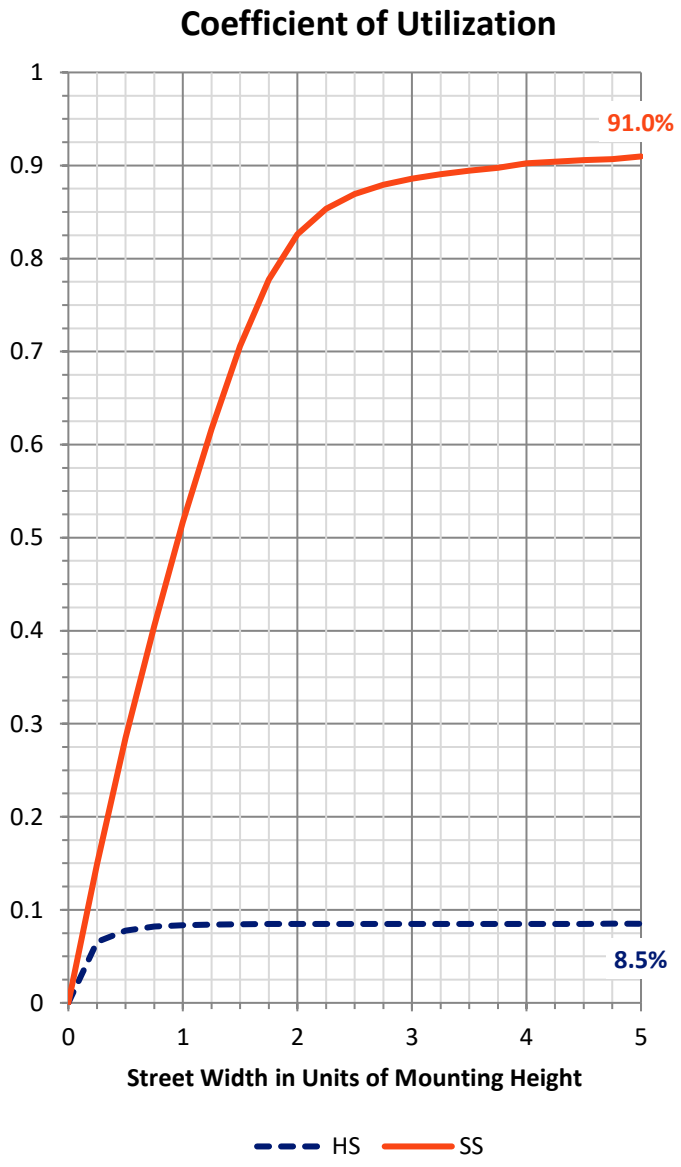
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	283.5	0.0	283.5
	% Fixture	8.6	0.0	8.6
Street Side	Lumens	3029.5	0.0	3029.5
	% Fixture	91.4	0.0	91.4
Total	Lumens	3313.0	0.0	3313.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	80.0	2.4
10°-20°	168.0	5.1
20°-30°	220.8	6.7
30°-40°	292.4	8.8
40°-50°	437.1	13.2
50°-60°	700.2	21.1
60°-70°	882.6	26.6
70°-80°	476.1	14.4
80°-90°	55.7	1.7
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°	3313.0	100.0
0°-180°	3313.0	100.0



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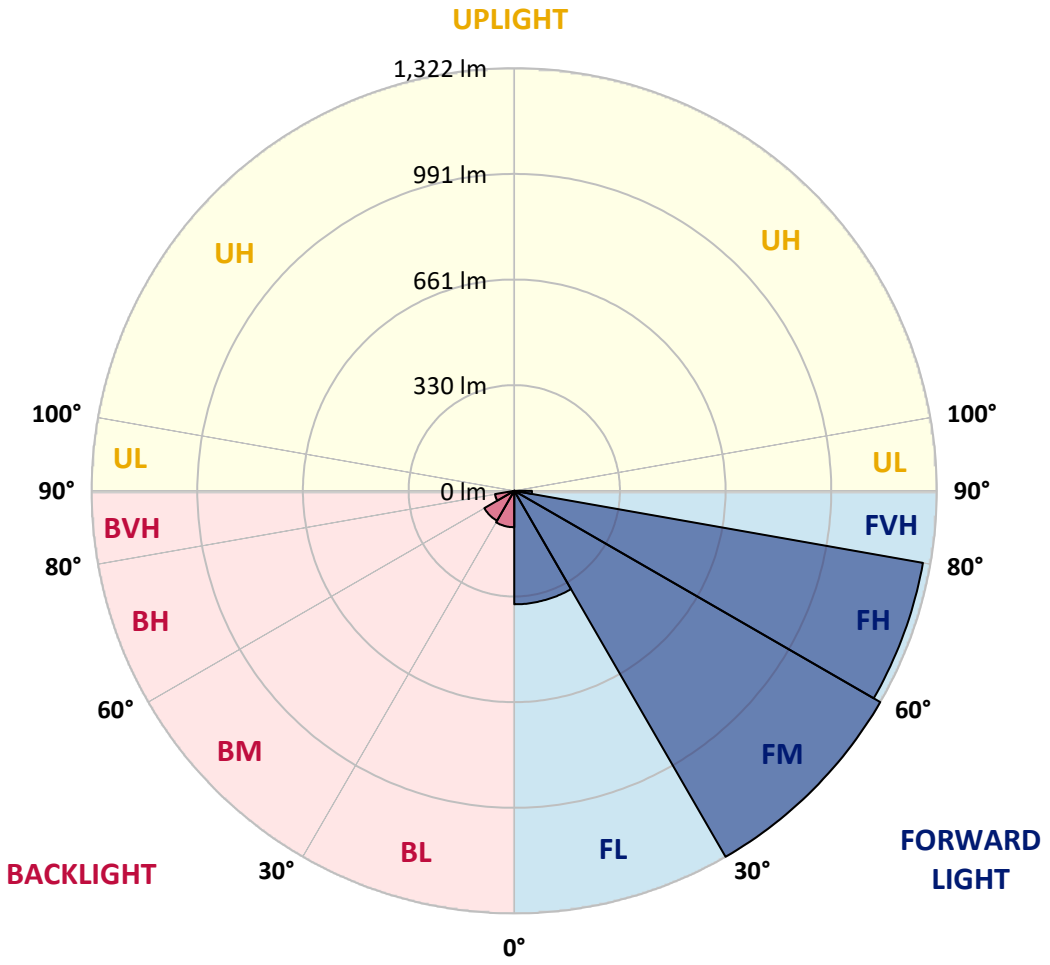
REPORT NUMBER: P323665
CATALOG NUMBER: GLEON-SA1A-830-U-SL3-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	354.9	10.7			
FM	(30°-60°)	1321.6	39.9			
FH	(60°-80°)	1297.7	39.2			G1/1800
FVH	(80°-90°)	55.2	1.7			G1/100
BL	(0°-30°)	113.9	3.4	B1/500		
BM	(30°-60°)	108.2	3.3	B0/220		
BH	(60°-80°)	61.0	1.8	B0/110		G0/110
BVH	(80°-90°)	0.5	0.0			G0/10
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G1
Type III Medium



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REPORT NUMBER: P323665
CATALOG NUMBER: GLEON-SA1A-830-U-SL3-HSS

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	58°	65°	75°	85°
0°	978.6	978.6	978.6	978.6	978.6	978.6	978.6	*978.6*	978.6	978.6	978.6
2.5°	1059.8	1057.2	1056.2	1054.6	1048.2	1042.0	1029.8	*1026.3*	1018.6	1000.3	980.8
5°	1060.6	1060.5	1063.4	1062.7	1060.5	1057.6	1048.8	*1044.2*	1031.1	1005.0	969.4
7.5°	1009.5	1012.1	1018.6	1023.8	1029.9	1037.7	1038.8	*1034.4*	1023.7	995.5	948.3
10°	940.9	945.0	954.1	964.5	980.3	996.0	1010.1	*1009.5*	1005.8	978.0	923.0
12.5°	872.2	877.0	887.4	902.7	925.2	950.8	975.9	*979.3*	985.5	962.3	899.6
15°	812.0	816.1	826.4	845.2	873.0	907.4	944.2	*950.5*	966.5	950.0	880.0
17.5°	760.8	763.5	771.0	791.8	824.1	865.8	913.6	*926.0*	949.9	940.3	863.1
20°	725.2	725.6	730.5	745.1	777.4	824.1	881.9	*899.7*	932.2	932.1	845.6
22.5°	707.5	706.2	707.1	715.5	739.2	784.3	850.3	*871.3*	916.4	925.1	827.8
25°	704.2	703.1	700.4	701.5	715.8	749.4	818.3	*842.7*	902.5	920.8	812.4
27.5°	714.6	715.7	711.0	706.0	707.1	726.8	789.9	*818.2*	891.2	920.8	801.5
30°	735.4	735.9	732.5	726.0	717.3	720.5	770.2	*798.5*	885.5	927.1	794.6
32.5°	758.4	761.4	761.0	755.7	743.4	730.5	765.5	*791.3*	885.1	941.2	793.9
35°	786.9	790.3	796.1	795.0	782.1	761.0	781.5	*801.8*	893.2	964.3	801.3
37.5°	817.2	822.4	834.8	840.7	832.3	808.5	817.3	*831.8*	915.0	1001.8	820.2
40°	846.5	852.5	875.0	898.3	892.0	867.5	871.6	*883.2*	953.7	1055.7	856.0
42.5°	875.3	884.1	917.3	955.6	963.2	943.7	945.9	*955.1*	1011.2	1129.8	914.6
45°	909.8	919.7	968.9	1016.1	1036.4	1027.8	1037.2	*1043.3*	1086.2	1227.7	993.5
47.5°	960.3	971.8	1032.1	1086.0	1121.5	1127.0	1145.9	*1149.9*	1181.2	1341.8	1096.4
50°	1059.0	1062.1	1116.7	1165.6	1216.8	1249.9	1271.4	*1274.4*	1296.0	1466.5	1225.0
52.5°	1183.1	1185.1	1216.0	1248.8	1307.1	1374.6	1424.8	*1429.1*	1433.7	1588.0	1351.8
55°	1306.4	1306.1	1326.5	1345.8	1412.4	1510.5	1619.6	*1622.3*	1589.6	1703.3	1448.8
57.5°	1383.4	1390.8	1421.8	1446.6	1539.7	1665.5	1816.9	*1826.6*	1753.4	1788.7	1544.7
60°	1358.9	1362.4	1431.2	1522.9	1698.3	1885.8	2016.5	*2019.0*	1876.6	1873.9	1665.9
62.5°	1157.7	1159.7	1267.7	1456.8	1778.6	2171.5	2257.3	*2217.0*	2018.2	1992.3	1811.0
65°	793.5	806.0	896.3	1130.0	1631.1	2350.7	2630.1	*2563.3*	2234.0	2162.8	1942.1
67.5°	467.3	464.7	509.3	681.5	1198.0	2231.7	3101.7	*3035.3*	2528.4	2277.0	1903.7
70°	*319.2*	*317.4*	*334.5*	*412.6*	*676.3*	*1731.2*	*3250.0*	*3384.1*	*2788.4*	*2200.2*	*1638.4*
72.5°	227.9	228.8	254.0	320.6	424.6	1008.7	2794.9	*3112.1*	2707.0	1918.0	1245.3
75°	154.7	157.3	193.4	263.0	372.2	513.2	1983.3	*2365.7*	2204.3	1394.0	715.8
77.5°	83.2	86.1	128.7	211.9	336.5	356.5	1275.8	*1628.2*	1384.6	626.7	207.5
80°	34.7	36.4	60.2	154.0	290.8	313.1	750.7	*987.3*	590.0	123.6	46.3
82.5°	15.0	15.8	25.1	91.9	217.4	264.4	397.4	*475.0*	178.8	27.1	23.3
85°	2.9	3.0	10.3	48.6	138.7	149.2	257.6	*252.5*	80.3	11.7	16.9
87.5°	0.0	0.0	2.5	15.3	40.8	81.3	157.2	*155.3*	27.3	5.6	6.3
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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Scaled Data Report

REPORT NUMBER: P323665
CATALOG NUMBER: GLEON-SA1A-830-U-SL3-HSS

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	978.6	978.6	978.6	978.6	978.6	978.6	978.6	978.6	978.6	978.6	978.6
2.5°	970.9	961.4	941.4	916.8	897.9	877.1	860.6	839.6	830.6	831.0	826.0
5°	949.2	929.6	885.4	829.6	786.6	742.2	704.1	666.1	643.6	636.3	629.4
7.5°	918.0	887.0	816.5	730.5	657.8	586.7	524.9	470.4	436.0	419.2	413.0
10°	882.9	839.4	737.3	624.1	520.2	424.0	343.8	274.1	246.3	227.4	222.6
12.5°	852.0	793.1	659.9	514.8	391.5	275.5	199.1	155.7	136.8	129.4	128.1
15°	823.0	749.8	585.3	415.9	271.1	169.6	126.6	111.9	107.5	106.2	106.2
17.5°	795.6	708.6	512.5	318.5	179.4	118.9	104.8	101.5	100.2	100.0	100.2
20°	766.9	667.4	440.8	233.4	125.2	100.7	96.8	95.1	94.6	94.6	94.6
22.5°	739.5	626.3	371.1	166.7	100.4	91.9	90.0	88.7	88.3	88.2	87.9
25°	713.2	587.1	303.1	117.8	88.2	84.2	82.5	80.9	79.6	78.9	78.5
27.5°	691.6	552.3	239.7	94.5	79.6	76.2	74.1	71.6	68.6	67.2	66.7
30°	674.3	520.5	184.7	79.8	71.6	68.2	65.0	60.8	56.3	54.0	53.9
32.5°	660.8	489.2	140.2	70.5	64.5	60.2	55.7	50.3	45.2	42.6	42.4
35°	654.2	461.6	107.2	63.8	58.1	52.8	47.1	41.2	36.2	33.8	33.5
37.5°	658.6	438.4	83.6	58.1	52.8	46.6	40.0	33.8	29.3	27.1	27.0
40°	674.7	423.5	67.9	53.3	48.2	40.6	33.5	27.7	24.0	22.2	22.0
42.5°	709.0	418.0	58.0	49.3	43.8	35.1	27.8	22.9	19.4	18.2	17.9
45°	766.4	426.1	51.2	45.5	39.3	29.9	23.0	18.7	15.7	14.7	14.6
47.5°	842.7	447.4	46.4	41.7	35.1	25.2	19.1	15.2	12.8	11.8	11.7
50°	941.0	481.3	42.4	38.0	31.3	21.4	15.8	12.0	9.9	9.2	9.2
52.5°	1048.1	521.7	38.8	34.6	27.4	17.8	12.8	9.2	7.9	7.0	7.0
55°	1136.5	557.0	35.0	32.0	22.7	14.7	9.8	7.0	5.8	5.4	5.4
57.5°	1224.8	594.6	30.6	27.4	18.2	12.0	7.4	5.2	4.3	4.0	4.0
60°	1339.3	640.6	26.3	22.3	14.3	9.1	5.5	3.7	3.2	3.0	3.0
62.5°	1465.2	667.6	22.5	17.9	11.2	6.8	4.0	2.5	2.3	2.3	2.2
65°	1542.2	629.4	18.9	14.3	8.7	5.1	2.6	1.8	2.1	1.9	1.7
67.5°	1444.0	492.8	15.4	11.2	6.8	3.9	1.7	1.2	2.2	1.8	1.4
70°	*1195.6*	*345.0*	*12.0*	*7.9*	*5.4*	*3.3*	*1.1*	*0.8*	*2.3*	*1.8*	*1.1*
72.5°	894.7	230.9	9.5	5.2	4.0	2.9	1.0	0.4	2.1	1.5	1.0
75°	488.9	93.0	7.6	3.3	2.5	2.1	0.7	0.3	1.4	1.1	0.7
77.5°	128.7	24.5	5.5	2.2	1.4	0.8	0.4	0.1	0.7	0.6	0.3
80°	32.8	9.5	3.6	1.5	1.0	0.4	0.0	0.0	0.1	0.0	0.0
82.5°	17.5	4.0	2.2	1.1	0.6	0.0	0.0	0.0	0.0	0.0	0.0
85°	13.2	2.6	1.2	0.7	0.1	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	5.1	0.8	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
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

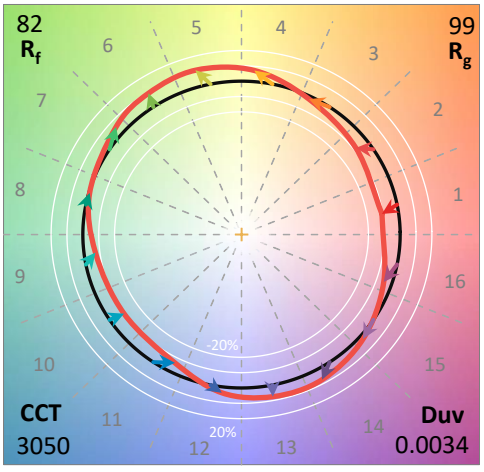
Test Information

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

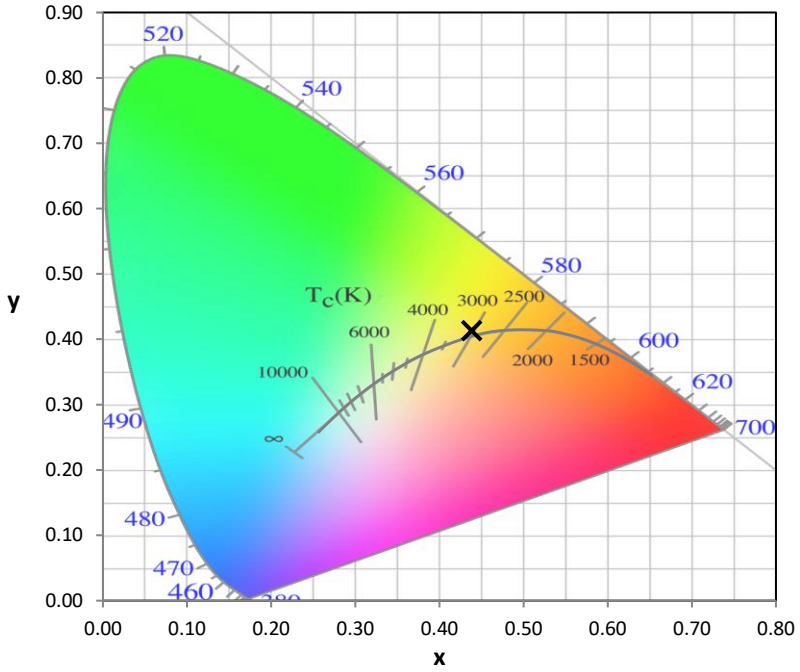
Stabilization Time:	20M
Operation Time:	1H 20M
Sphere Temperature (°C):	24.2

REPORT NUMBER: SP1-2408-195-9

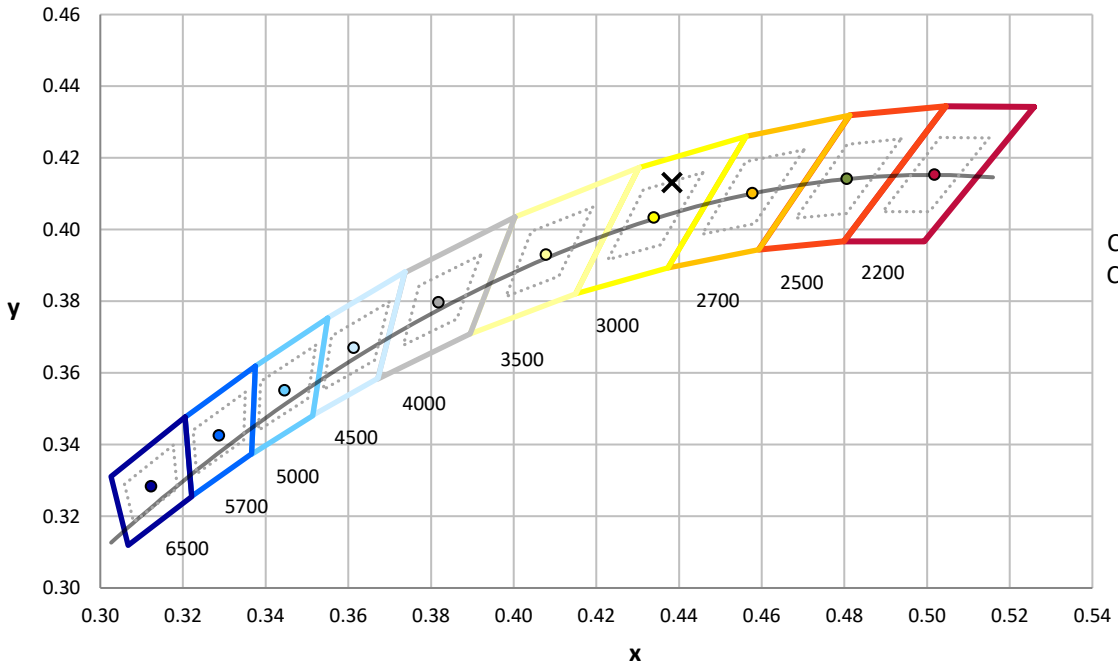
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

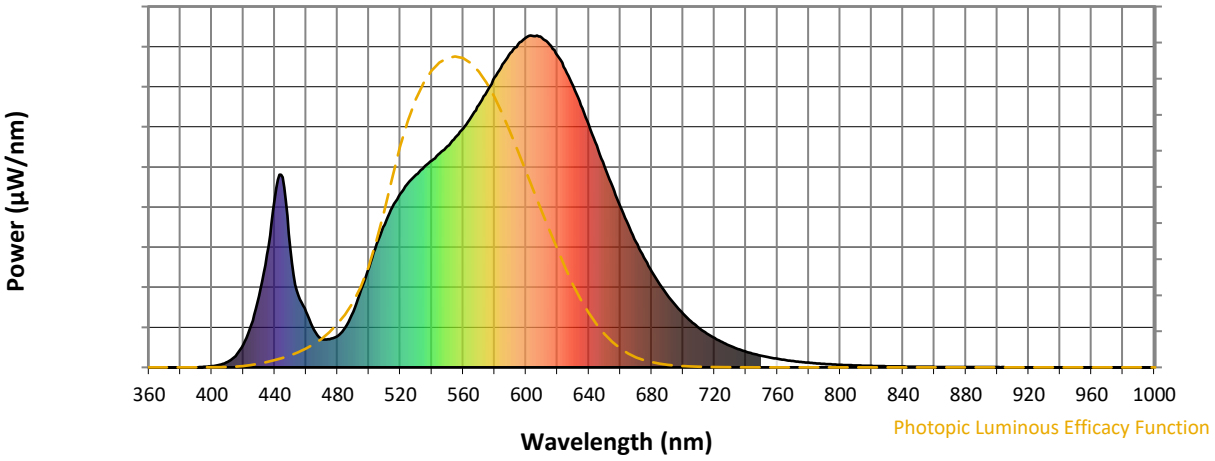


CCT = 3050K
CIE x = 0.4383
CIE y = 0.4131
Duv = 0.0034

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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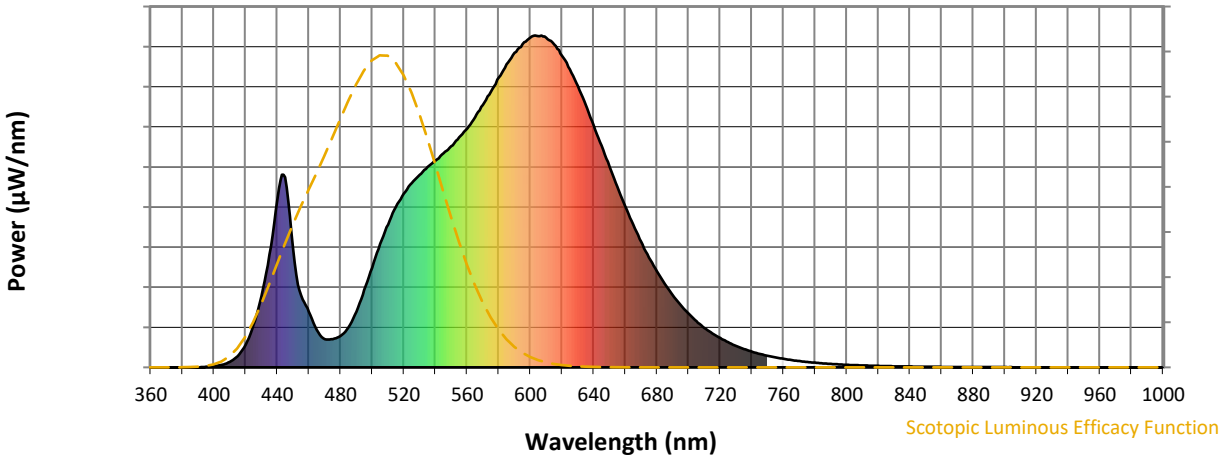
Scotopic Flux vs. Wavelength



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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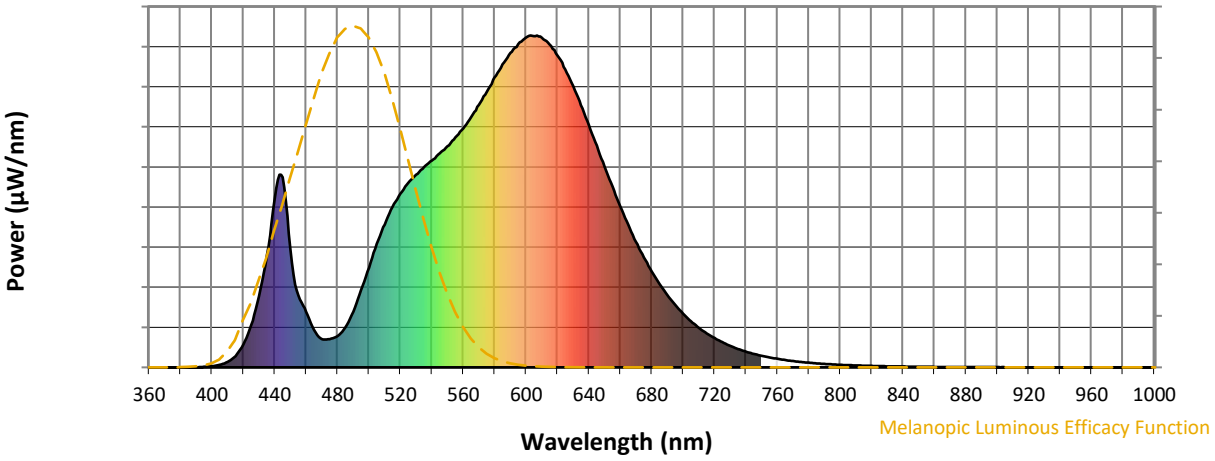
Melanopic Flux vs. Wavelength



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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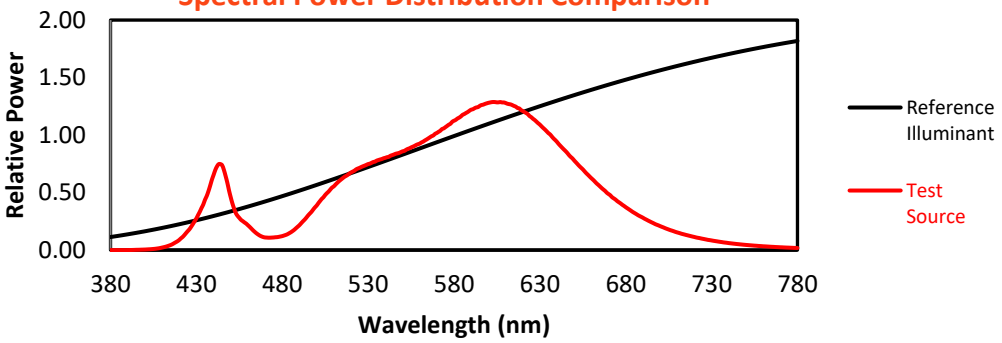
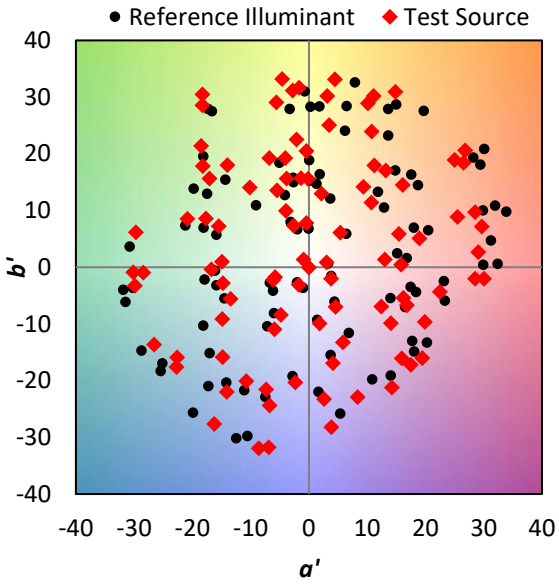
Summary

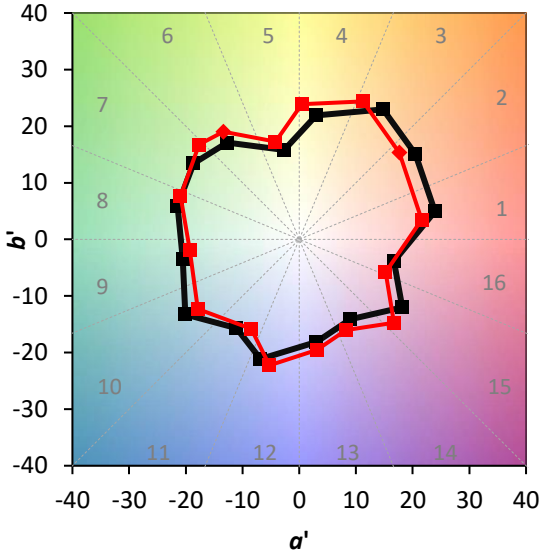
R_f = 81.5
R_g = 99.2
CIE R_a = 81.0
R_9 = 7.1

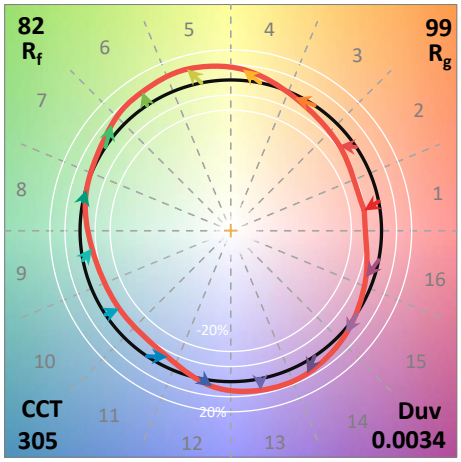
Spectral Power Distribution Comparison

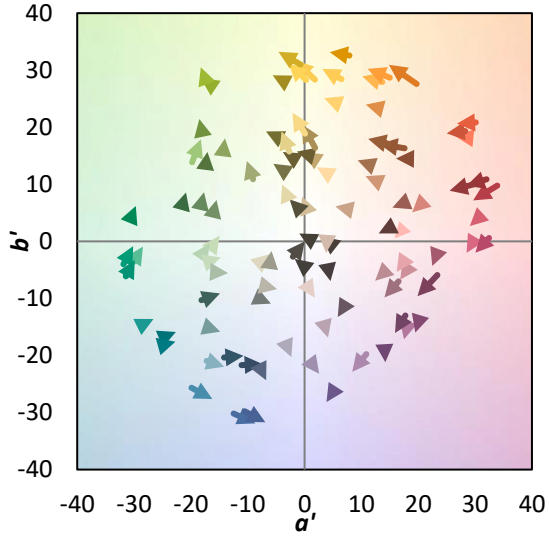


Color Vector Graphics









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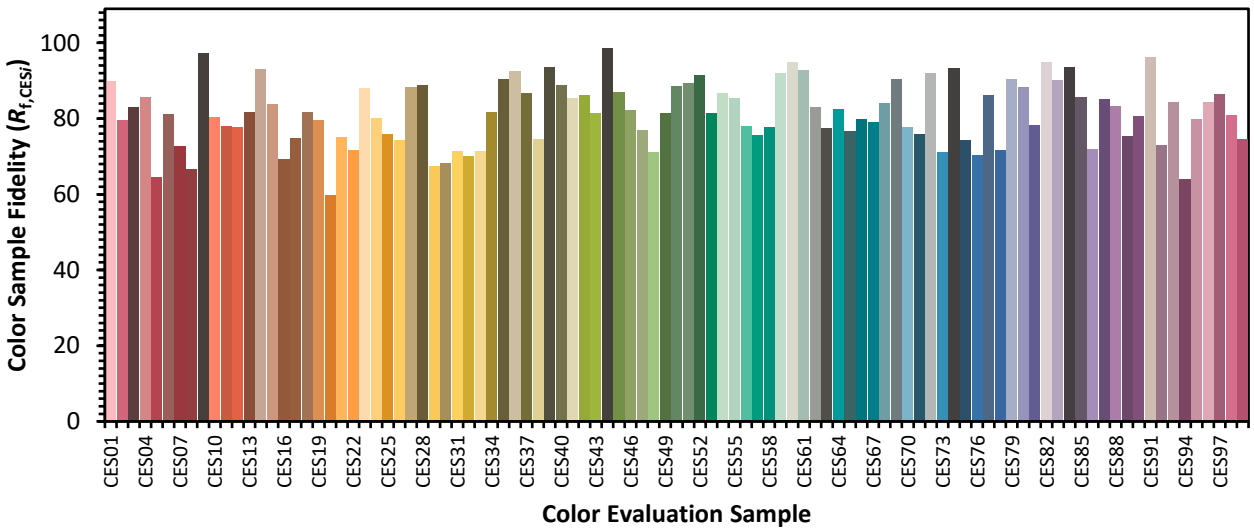
Individual Sample Fidelity Index ($R_{f,i}$)

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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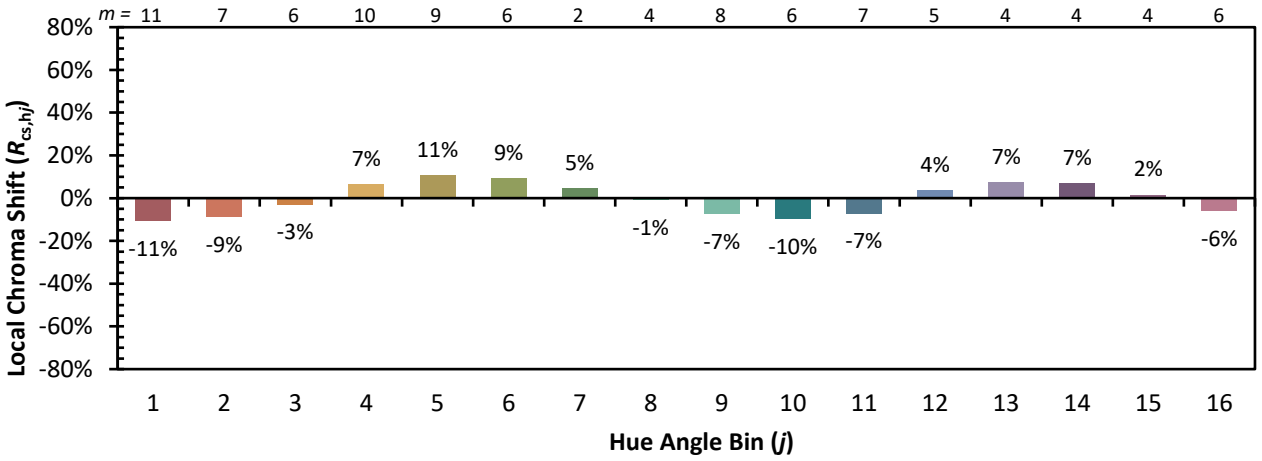
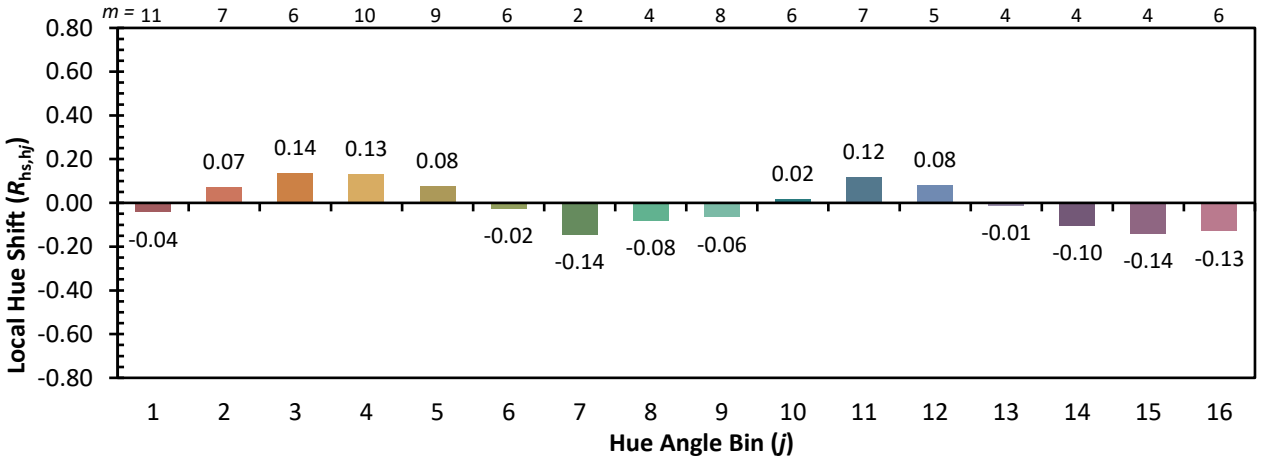
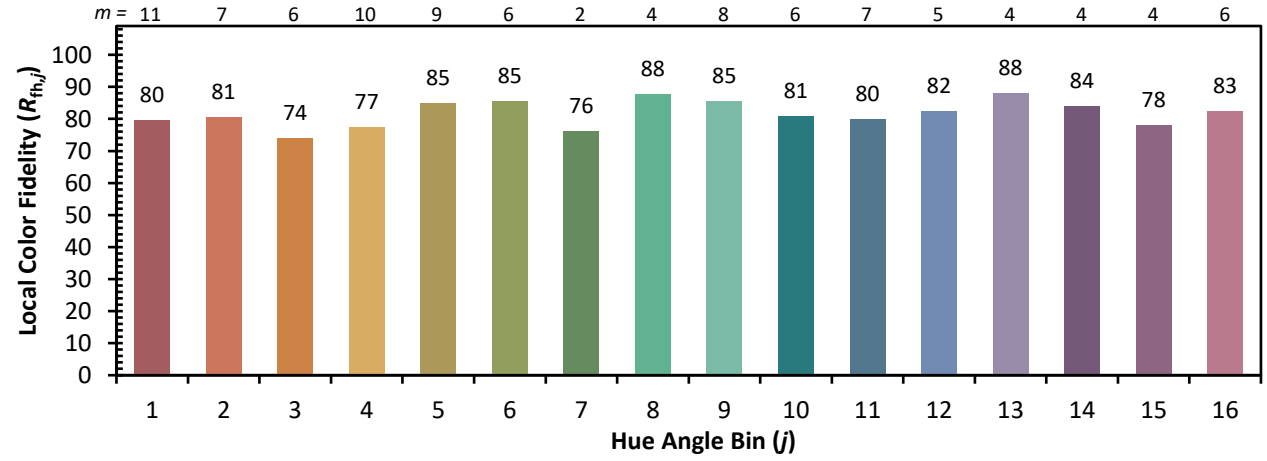
Color Rendition by Hue-Angle Bin







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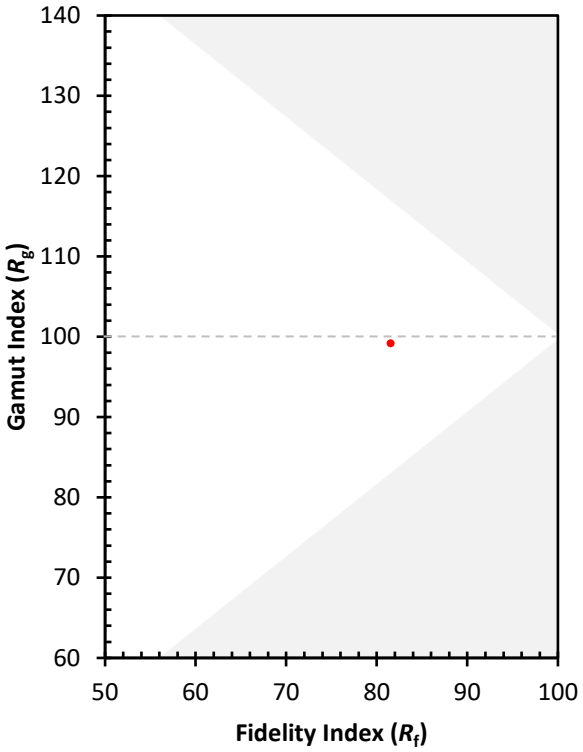
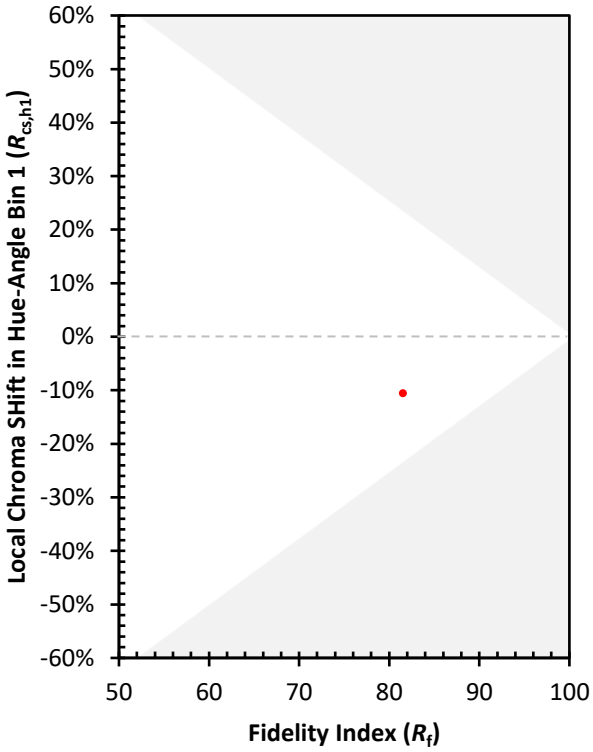
Measure Comparisons





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