Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

Scaled data based on original data using

LM-79-2019 Approved Method: Electrical and Photometric Measurements of Solid-State Lighting Products

Test Report Prepared for

Cooper Lighting Solutions

Brand: McGRAW-EDISON

Report Number: P629584

Luminaire Tested: GWS-SA1B-830-U-T2R-W-GRSBK

Issue Date: 1/10/2023

Report Generated By 670246102 / DESKTOP-G35701P

Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

Scaled Data Report

Test Information

Test Method:	LM-79-2019
Report Number:	P629584
	TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-12)
Test Lab:	COOPER LIGHTING SOLUTIONS
Issue Date:	1/10/2023
Manufacturer:	COOPER LIGHTING SOLUTIONS
Product Line:	McGRAW-EDISON
Catalog Number:	GWS-SA1B-830-U-T2R-W-GRSBK
Description:	GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II ROADWAY OPTICS W/ FACTORY INSTALLED GLARE SHIELD, BK
Light Source:	(16) 3000K CCT, 80 CRI LEDS
Ballast/Driver:	-

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	1908.5 lumens
Efficiency:	N/A
Efficacy:	76.3 lumens/watt
Luminous Opening:	Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification:	Type II - Short
BUG Rating:	B0 - U0 - G0

Input Watts (W):	25
Input Voltage (V):	120
Input Current (Ain):	NR
Voltage Rise (V):	NR
Power Factor:	NR
Total Harmonic Distortion (THDi):	NR
Frequency (hertz):	0
Stabilization Time:	NR
Operation Time:	NR
Ambient Temperature (°C):	NR
Test Distance:	28.75 FT

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REPORT NUMBER: P629584
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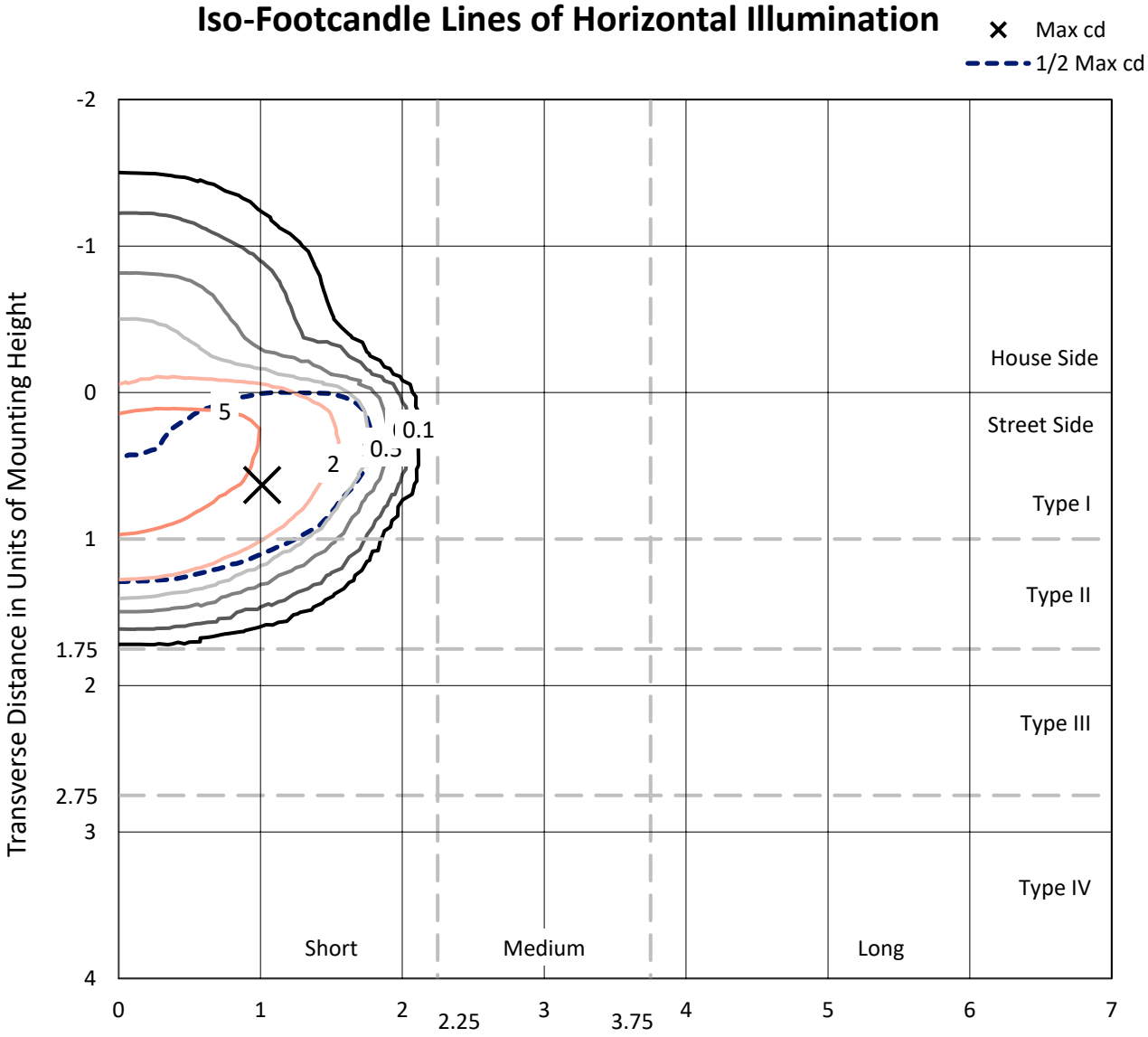
Iso-Footcandle Lines of Horizontal Illumination



Based on 10 foot mounting height. Maximum calculated value = 7 fc
Type II - Short - N/A

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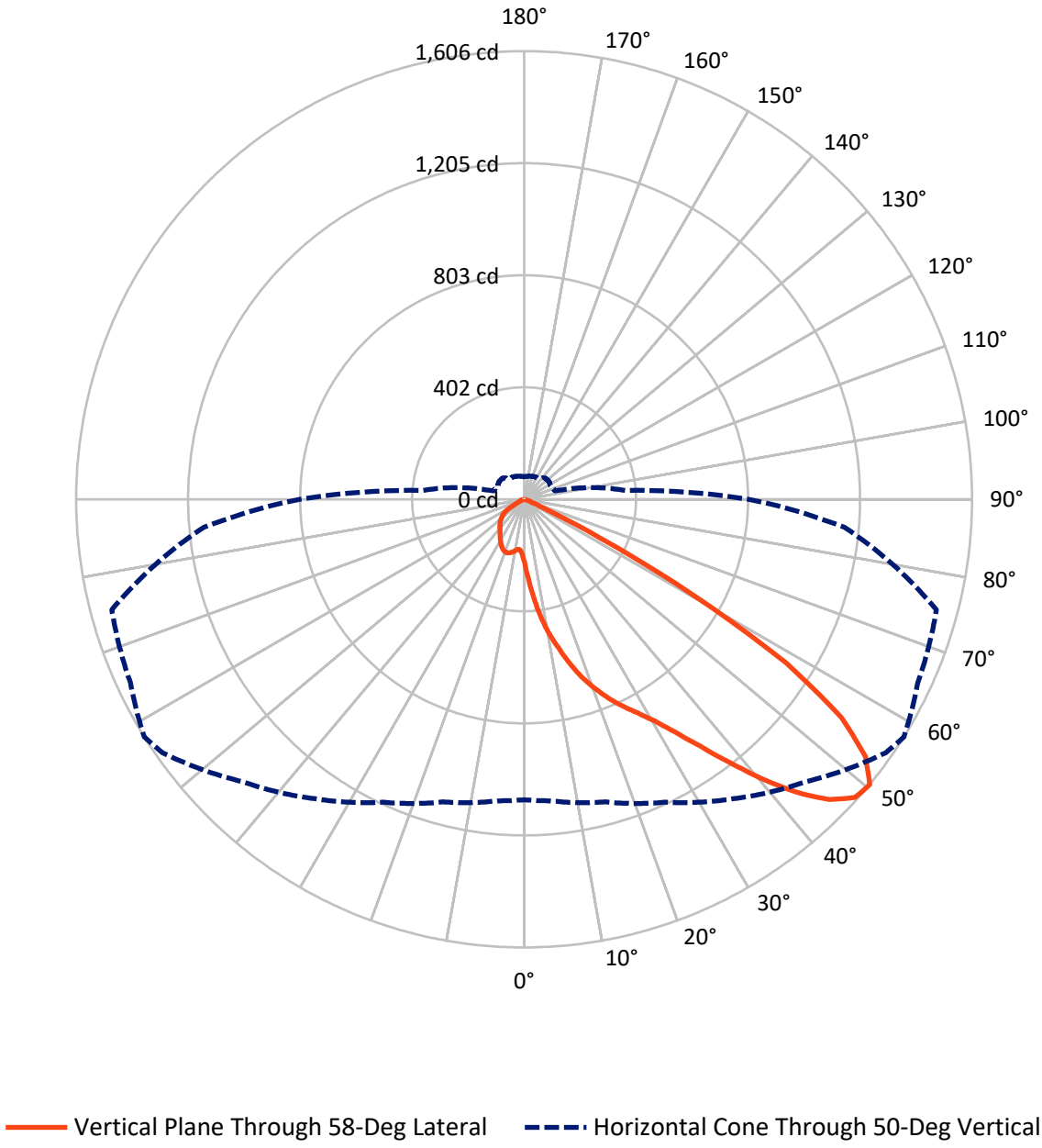
Luminous Intensity Polar Plot



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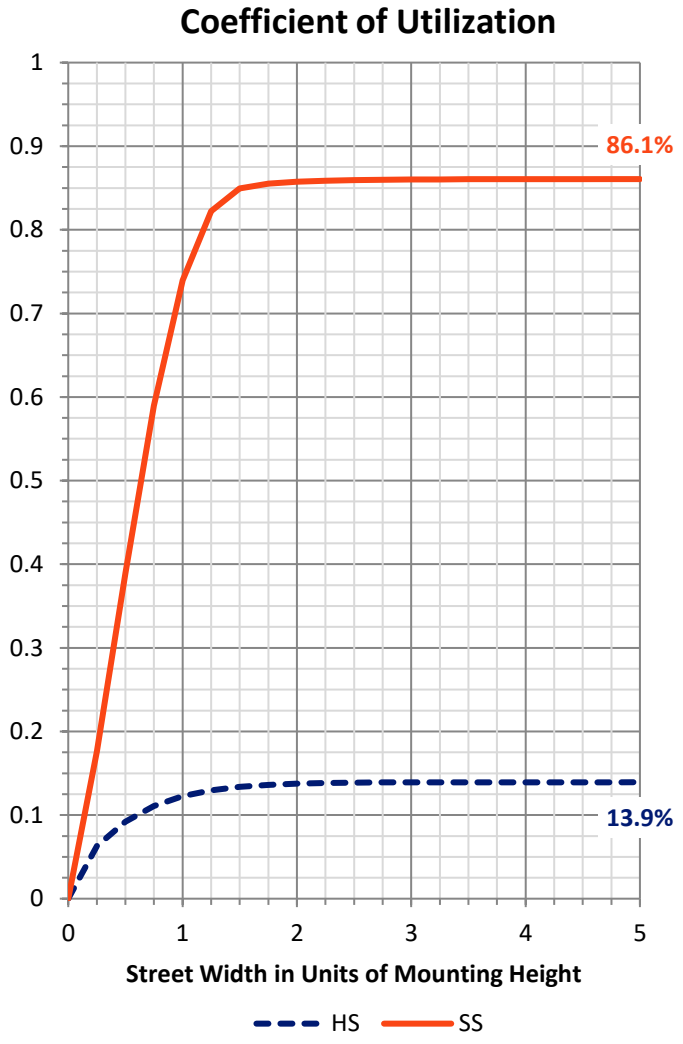
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	267.3	0.0	267.3
	% Fixture	14.0	0.0	14.0
Street Side	Lumens	1641.2	0.0	1641.2
	% Fixture	86.0	0.0	86.0
Total	Lumens	1908.5	0.0	1908.5
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	28.2	1.5
10°-20°	111.8	5.9
20°-30°	226.2	11.9
30°-40°	400.2	21.0
40°-50°	583.5	30.6
50°-60°	467.7	24.5
60°-70°	84.3	4.4
70°-80°	6.6	0.3
80°-90°	0.0	0.0
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°	1908.5	100.0
0°-180°	1908.5	100.0



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REPORT NUMBER: P629584
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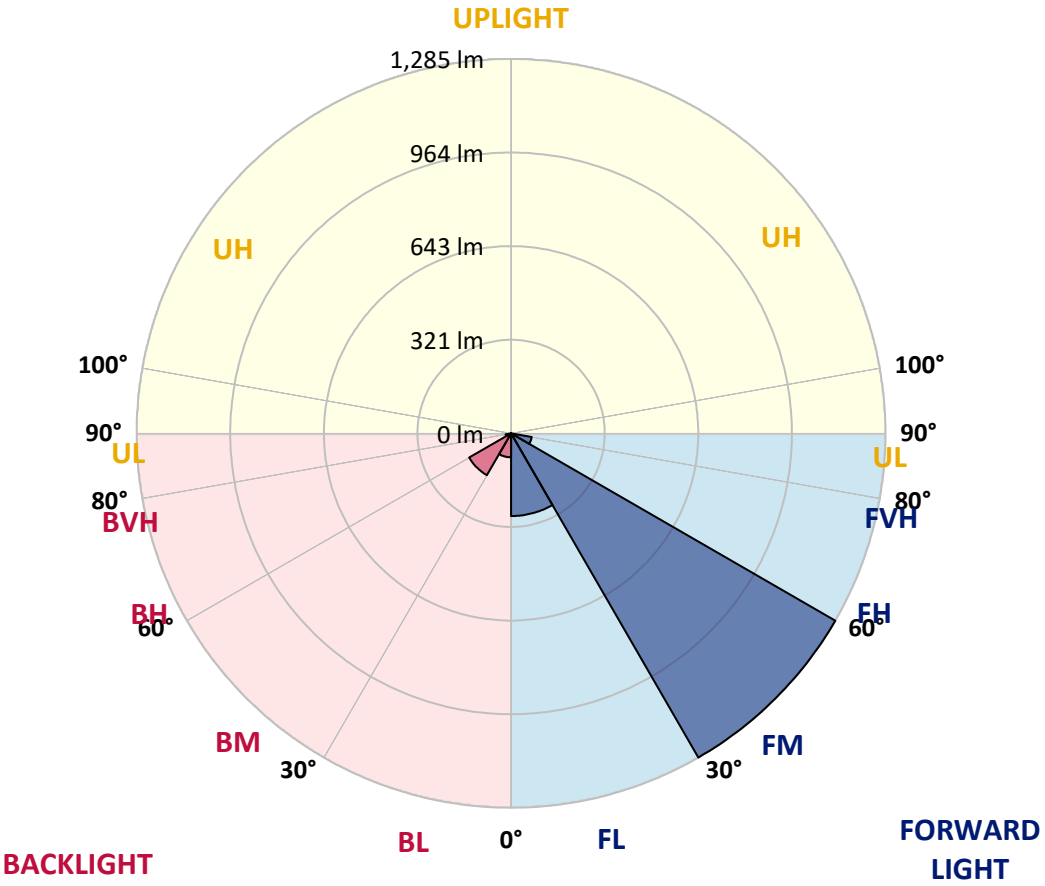
LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	284.0	14.9			
FM	(30°-60°)	1285.3	67.3			
FH	(60°-80°)	71.9	3.8			G0/660
FVH	(80°-90°)	0.0	0.0			G0/10
BL	(0°-30°)	82.3	4.3	B0/110		
BM	(30°-60°)	166.0	8.7	B0/220		
BH	(60°-80°)	19.0	1.0	B0/110		G0/110
BVH	(80°-90°)	0.0	0.0			G0/10
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B0-U0-G0
Type II Short



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Scaled Data Report

REPORT NUMBER: P629584
CATALOG NUMBER: GWS-SA1B-830-U-T2R-W-GRSBK

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	58°	65°	75°	85°
0°	228.0	228.0	228.0	228.0	228.0	228.0	228.0	*228.0*	228.0	228.0	228.0
2.5°	337.4	332.1	329.0	326.5	315.7	298.6	287.4	*281.4*	271.6	255.1	240.8
5°	440.2	436.3	429.2	424.3	410.4	386.1	361.0	*351.0*	328.8	291.4	258.0
7.5°	508.4	505.5	502.9	496.3	483.3	461.2	433.5	*423.1*	388.8	335.7	280.8
10°	560.8	558.6	555.5	555.3	545.1	525.3	498.2	*487.4*	450.2	383.9	307.8
12.5°	607.0	605.1	604.5	610.2	603.7	589.0	559.6	*546.1*	506.8	433.1	337.6
15°	638.6	638.2	640.8	652.1	655.7	649.0	624.3	*609.8*	564.5	482.5	370.4
17.5°	653.1	654.3	659.4	678.8	695.1	700.8	681.9	*669.6*	621.9	532.5	405.5
20°	677.8	677.4	680.4	698.8	718.8	739.2	733.5	*723.1*	679.8	585.3	444.5
22.5°	747.4	741.5	734.9	737.8	744.9	768.8	779.4	*774.1*	739.6	639.6	484.7
25°	854.3	848.2	827.2	806.8	793.3	804.1	818.6	*821.3*	799.0	695.3	526.8
27.5°	967.8	962.3	938.6	908.0	869.4	850.6	861.5	*866.8*	857.4	761.7	571.4
30°	1074.1	1066.8	1040.9	1002.9	958.2	929.4	917.2	*920.8*	926.4	840.2	623.9
32.5°	1166.4	1160.9	1129.8	1089.8	1046.8	1016.8	988.2	*994.3*	1007.8	936.4	691.0
35°	1244.5	1241.7	1208.8	1169.0	1123.5	1108.2	1083.7	*1084.9*	1098.4	1052.5	772.9
37.5°	1312.5	1307.6	1277.8	1240.9	1204.7	1202.3	1195.6	*1196.2*	1203.1	1187.8	867.0
40°	1355.4	1350.9	1329.6	1306.8	1281.1	1281.5	1316.4	*1319.0*	1311.1	1320.7	966.4
42.5°	1371.5	1368.2	1356.8	1357.0	1354.3	1366.4	1431.9	*1436.8*	1408.2	1424.9	1051.3
45°	1343.5	1342.1	1342.9	1372.3	1404.1	1441.3	1526.4	*1535.0*	1494.5	1494.1	1117.6
47.5°	1253.3	1250.5	1274.3	1324.3	1398.0	1470.3	1583.5	*1596.8*	1555.0	1533.7	1159.2
50°	*1076.6*	*1084.7*	*1122.5*	*1197.6*	*1309.6*	*1430.5*	*1582.9*	*1606.0*	*1557.2*	*1530.3*	*1152.3*
52.5°	779.8	778.2	860.8	964.1	1100.4	1303.1	1498.8	*1532.5*	1502.7	1496.2	1136.8
55°	424.3	439.2	494.9	631.7	801.9	1062.1	1306.8	*1380.3*	1414.7	1483.7	1164.7
57.5°	155.9	162.5	197.4	294.1	424.5	660.4	998.2	*1109.0*	1215.6	1449.0	1160.0
60°	62.9	64.1	78.0	108.2	178.4	336.1	598.8	*697.2*	797.6	1109.2	890.2
62.5°	45.7	47.3	52.9	63.3	90.2	146.9	258.2	*300.2*	328.2	549.4	438.6
65°	36.9	38.2	42.7	47.3	59.6	79.0	83.3	*80.2*	79.8	142.0	100.6
67.5°	30.6	31.8	35.1	38.4	42.9	39.4	28.6	*30.0*	24.5	24.3	19.8
70°	22.4	23.9	27.1	30.6	25.7	10.6	16.5	*24.5*	18.6	15.5	15.1
72.5°	16.9	18.0	21.0	20.0	7.6	4.1	11.0	*17.8*	14.3	11.4	11.2
75°	12.7	13.3	10.6	3.3	0.8	1.0	4.1	*7.3*	8.0	6.5	6.5
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.4	*0.6*	0.8	1.0	1.2
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	*0.0*	0.0	0.0	0.0
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	*0.0*	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	*0.0*	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	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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CATALOG NUMBER: GWS-SA1B-830-U-T2R-W-GRSBK

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	228.0	228.0	228.0	228.0	228.0	228.0	228.0	228.0	228.0	228.0	228.0
2.5°	232.7	224.1	211.8	201.6	193.9	186.3	180.6	174.9	174.7	171.8	171.2
5°	242.5	226.9	204.5	188.4	178.6	172.7	168.6	166.5	165.5	164.5	164.1
7.5°	256.5	234.3	203.3	186.1	178.0	174.1	171.2	170.0	169.4	168.6	168.4
10°	273.9	244.9	207.8	190.4	183.3	179.6	176.5	174.7	173.7	172.3	171.8
12.5°	294.7	258.0	214.9	197.6	190.0	185.1	181.0	178.4	176.9	175.1	174.7
15°	317.2	272.1	222.9	204.1	195.1	188.8	183.7	179.6	176.9	174.7	174.1
17.5°	340.4	286.3	230.0	208.6	197.6	190.0	182.7	177.1	173.9	171.0	170.2
20°	366.5	301.0	234.7	209.4	196.7	186.7	178.2	171.2	168.0	164.1	163.3
22.5°	393.9	314.7	236.7	207.6	192.3	180.6	171.4	164.3	159.6	155.5	154.3
25°	420.4	327.0	235.7	202.5	185.5	172.0	162.7	155.3	150.2	146.1	145.1
27.5°	448.6	337.2	232.0	194.9	176.3	162.7	153.7	147.4	142.7	138.2	137.1
30°	480.2	346.5	226.1	185.7	165.5	153.1	146.1	141.8	136.7	132.0	130.6
32.5°	518.4	354.9	217.6	174.7	155.9	144.7	140.8	137.6	131.6	126.7	125.7
35°	562.1	361.8	206.7	163.3	146.5	139.4	138.6	134.3	126.5	120.8	119.6
37.5°	612.7	368.6	193.9	152.0	139.6	136.9	137.1	129.8	120.4	113.5	112.7
40°	667.2	375.3	179.6	142.2	133.3	135.5	133.7	123.3	108.0	101.2	100.4
42.5°	723.9	382.7	165.1	133.1	128.0	130.0	127.4	110.2	99.2	95.7	95.3
45°	775.1	391.4	149.4	123.9	122.7	122.0	117.6	99.8	95.1	92.7	92.5
47.5°	812.1	390.0	132.7	115.1	116.9	114.9	101.2	94.9	91.0	87.8	86.9
50°	*805.3*	*365.1*	*115.3*	*105.3*	*109.6*	*107.8*	*91.0*	*89.2*	*85.7*	*82.2*	*81.0*
52.5°	788.2	331.2	100.2	94.9	101.6	97.4	84.1	82.2	79.2	74.7	73.3
55°	797.4	299.4	88.4	86.5	93.5	80.6	76.3	73.5	70.2	65.3	64.7
57.5°	767.8	244.3	71.0	72.2	82.7	68.8	66.9	62.5	56.9	53.7	53.3
60°	531.4	131.2	44.5	45.9	59.8	57.8	60.0	55.9	49.2	46.1	45.5
62.5°	244.1	52.7	24.3	23.3	31.4	39.2	51.4	51.0	42.7	37.8	37.3
65°	59.2	24.1	17.3	16.3	17.8	23.5	33.5	40.2	34.5	28.8	28.2
67.5°	19.2	19.6	15.9	14.9	15.7	17.6	20.0	22.2	22.0	20.2	19.8
70°	15.3	17.8	14.7	13.5	13.5	14.1	13.5	10.8	9.4	10.2	10.6
72.5°	11.4	13.5	11.6	10.4	10.0	9.8	8.4	6.1	4.3	3.9	3.7
75°	6.7	7.6	7.1	6.1	5.7	5.1	4.1	2.7	1.4	1.0	0.6
77.5°	1.2	1.4	1.6	1.2	1.0	0.8	0.6	0.2	0.0	0.0	0.0
80°	0.0	0.2	0.2	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	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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Peachtree City, GA 30269

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

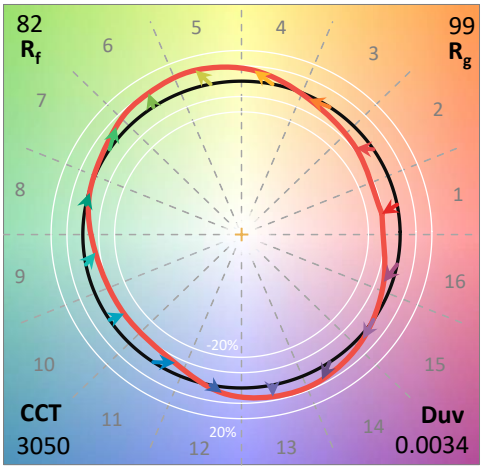
Test Information

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

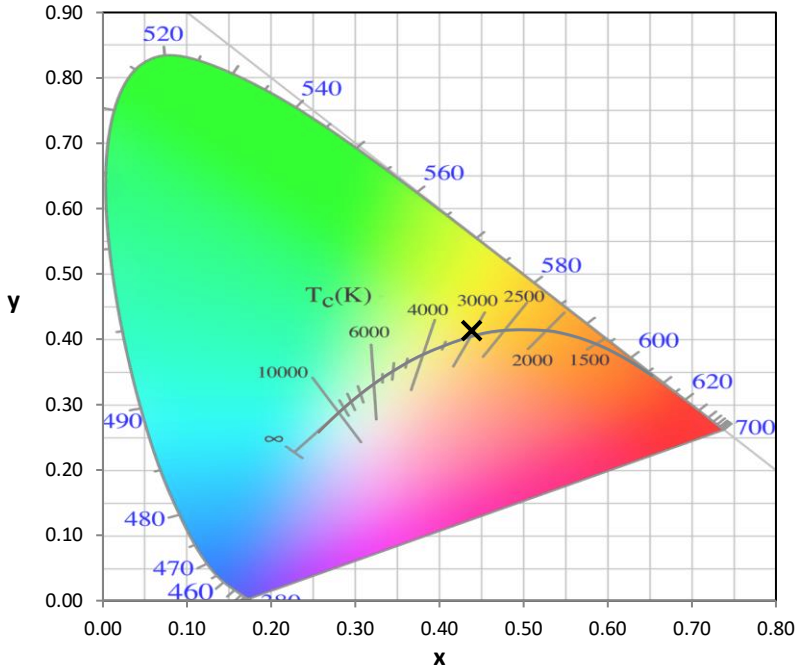
Stabilization Time:	20M
Operation Time:	1H 20M
Sphere Temperature (°C):	24.2

REPORT NUMBER: SP1-2408-195-9

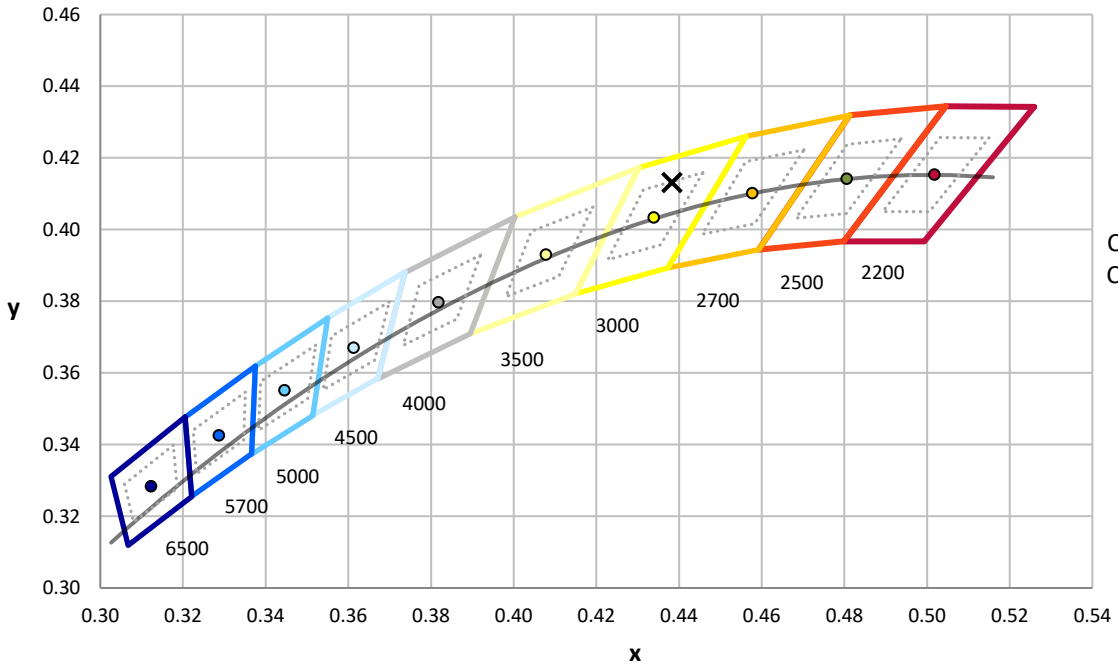
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

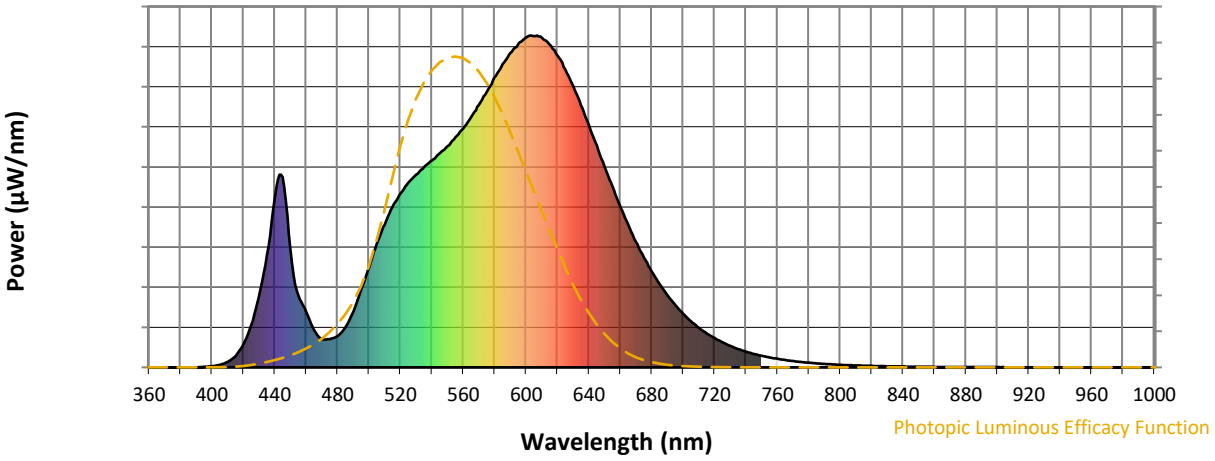


CCT = 3050K
CIE x = 0.4383
CIE y = 0.4131
Duv = 0.0034

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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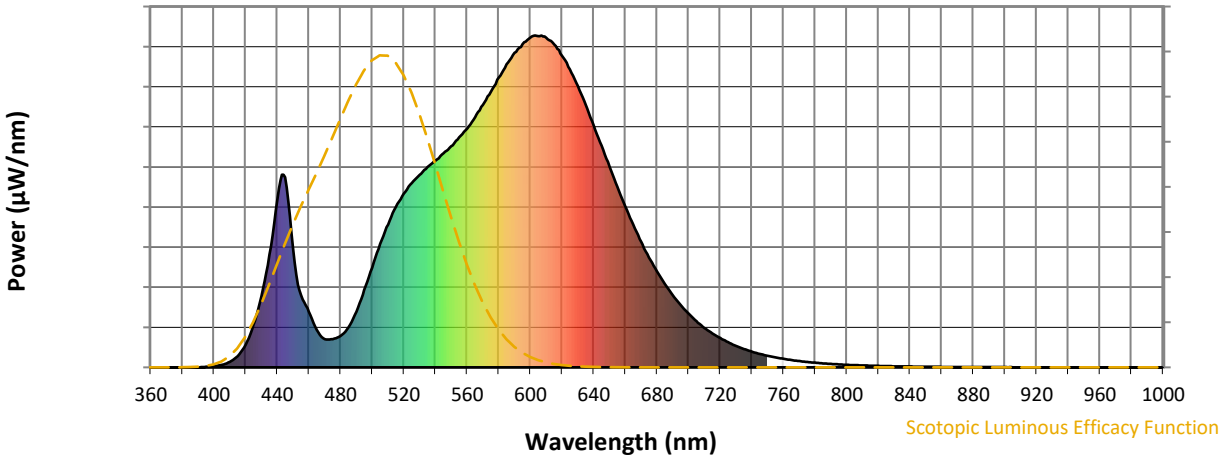
Scotopic Flux vs. Wavelength



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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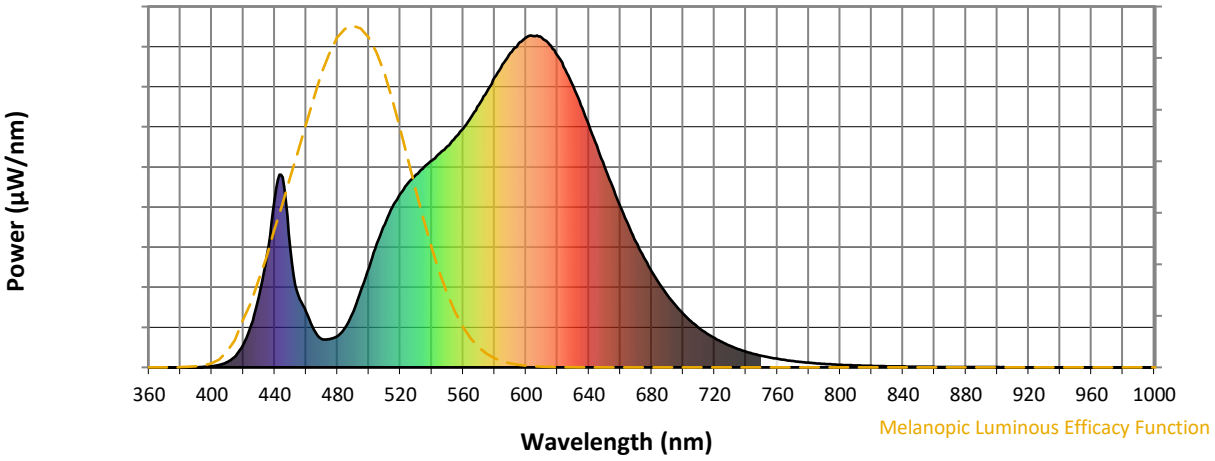
Melanopic Flux vs. Wavelength



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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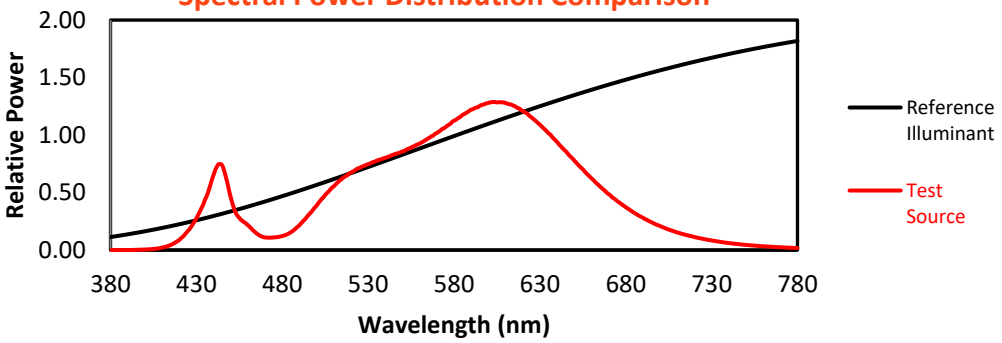
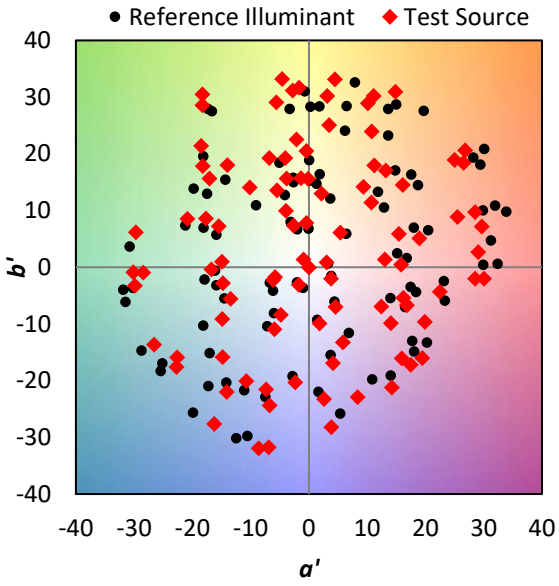
Summary

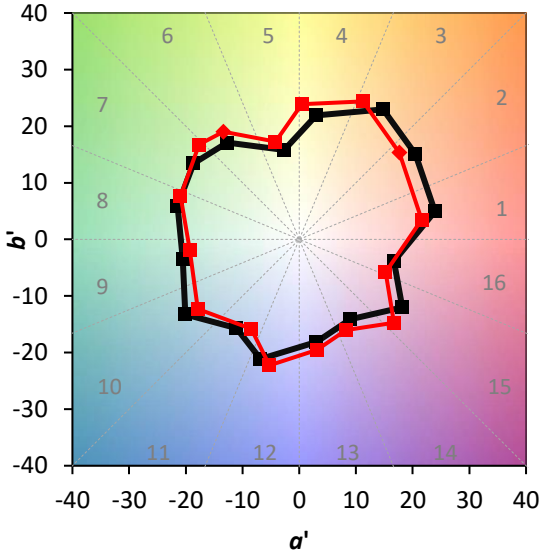
R_f = 81.5
R_g = 99.2
CIE R_a = 81.0
R_9 = 7.1

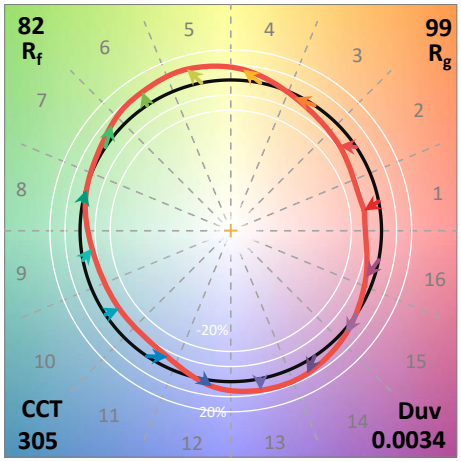
Spectral Power Distribution Comparison

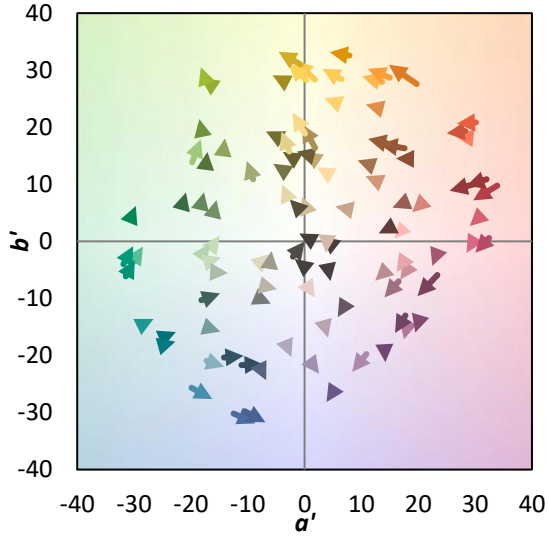


Color Vector Graphics









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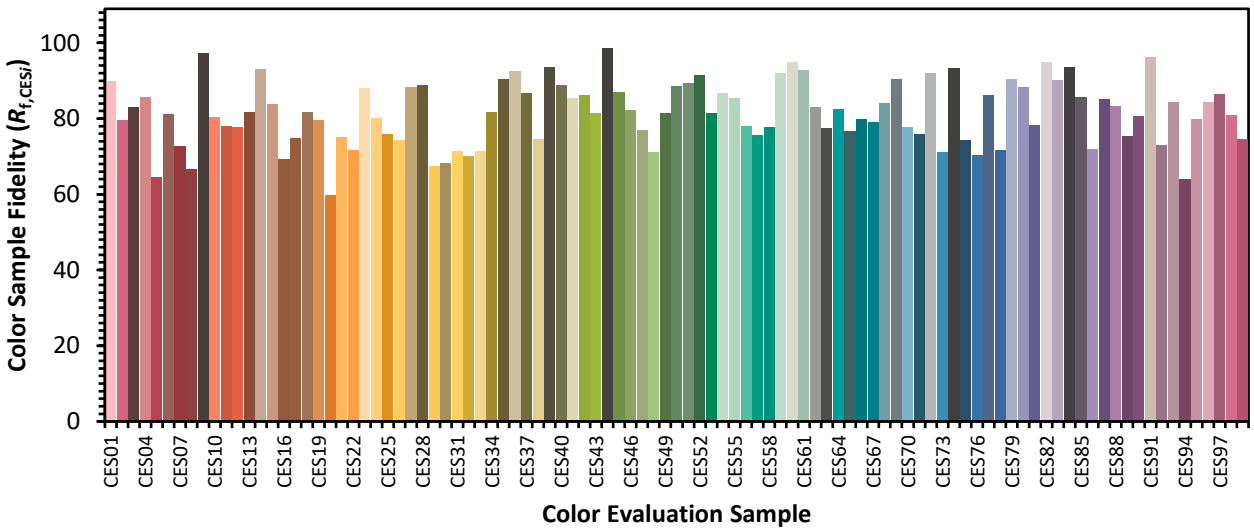
Individual Sample Fidelity Index ($R_{f,i}$)

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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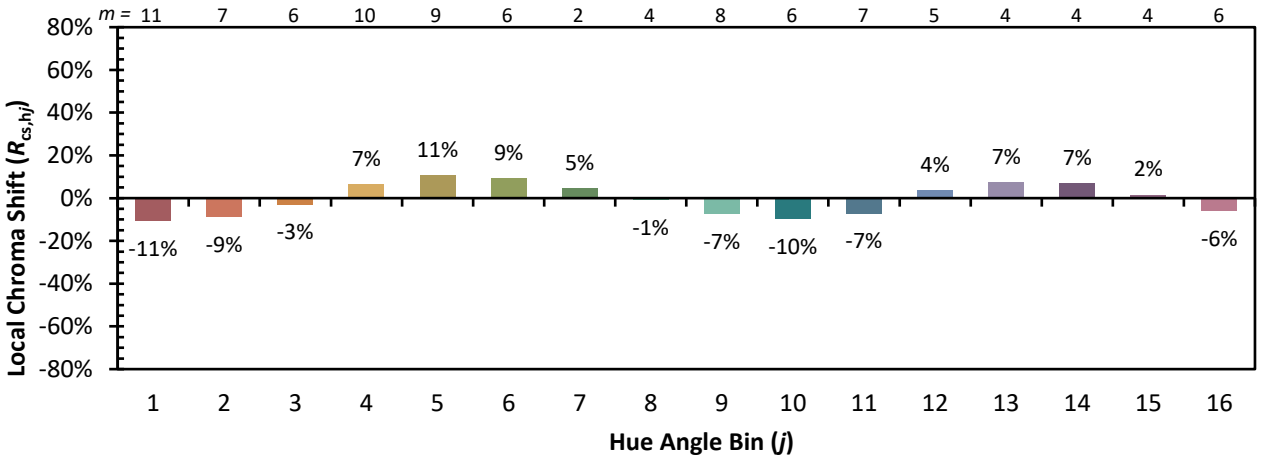
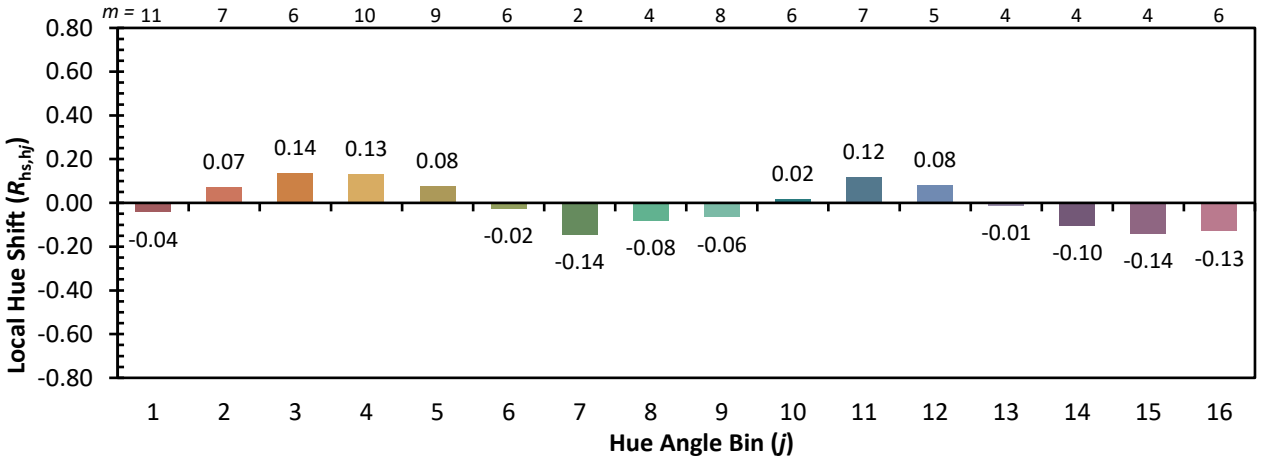
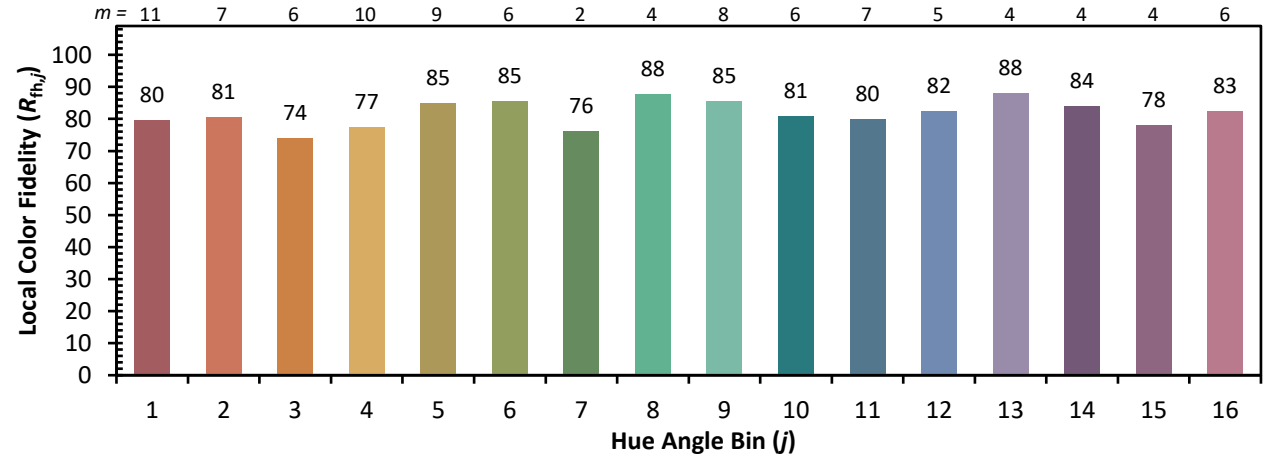
Color Rendition by Hue-Angle Bin







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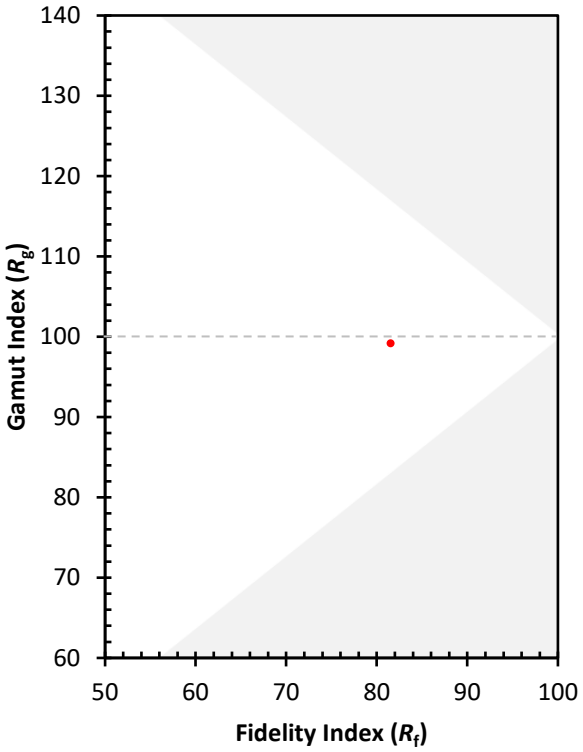
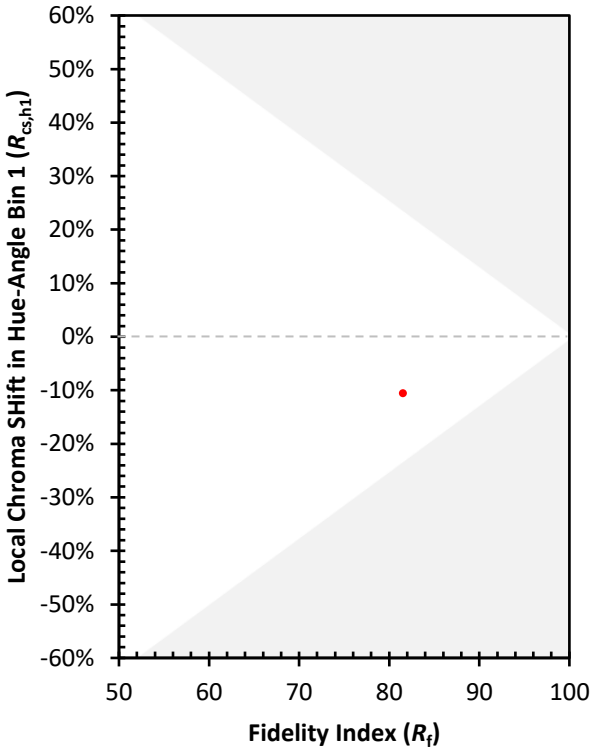
Measure Comparisons





(END OF REPORT)