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: P385605

Luminaire Tested: **GPC-SA1A-830-U-SL4**

Issue Date: 3/3/2020

Report Generated By 670245982

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:	P385605
	TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-24)
Test Lab:	INNOVATION CENTER
Issue Date:	3/3/2020
Manufacturer:	COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line:	McGRAW-EDISON
Catalog Number:	GPC-SA1A-830-U-SL4
Description:	GALLEON PEDESTRIAN LUMINAIRE
	(1) 80 CRI, 3000K, 615mA LIGHTSQUARE WITH 16 LEDS AND TYPE IV SPILL LIGHT ELIMINATOR OPTICS
Light Source:	-
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	3758 lumens
Efficiency:	N/A
Efficacy:	110.5 lumens/watt
Luminous Opening:	Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification:	Type IV - Short
BUG Rating:	B1 - U0 - G2

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:	28.75 FT

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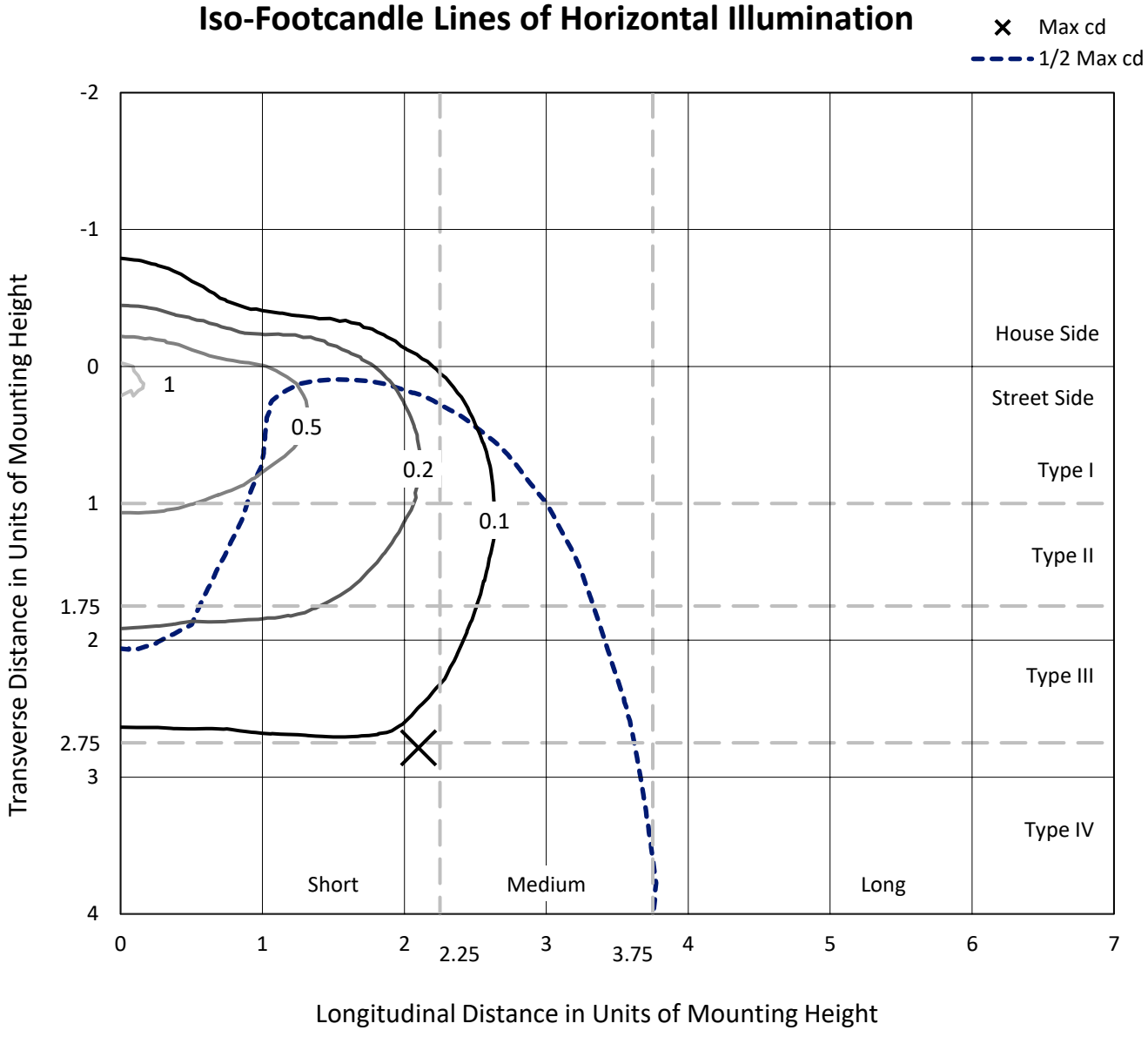
REPORT NUMBER: P385605
CATALOG NUMBER: GPC-SA1A-830-U-SL4

Iso-Footcandle Lines of Horizontal Illumination



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

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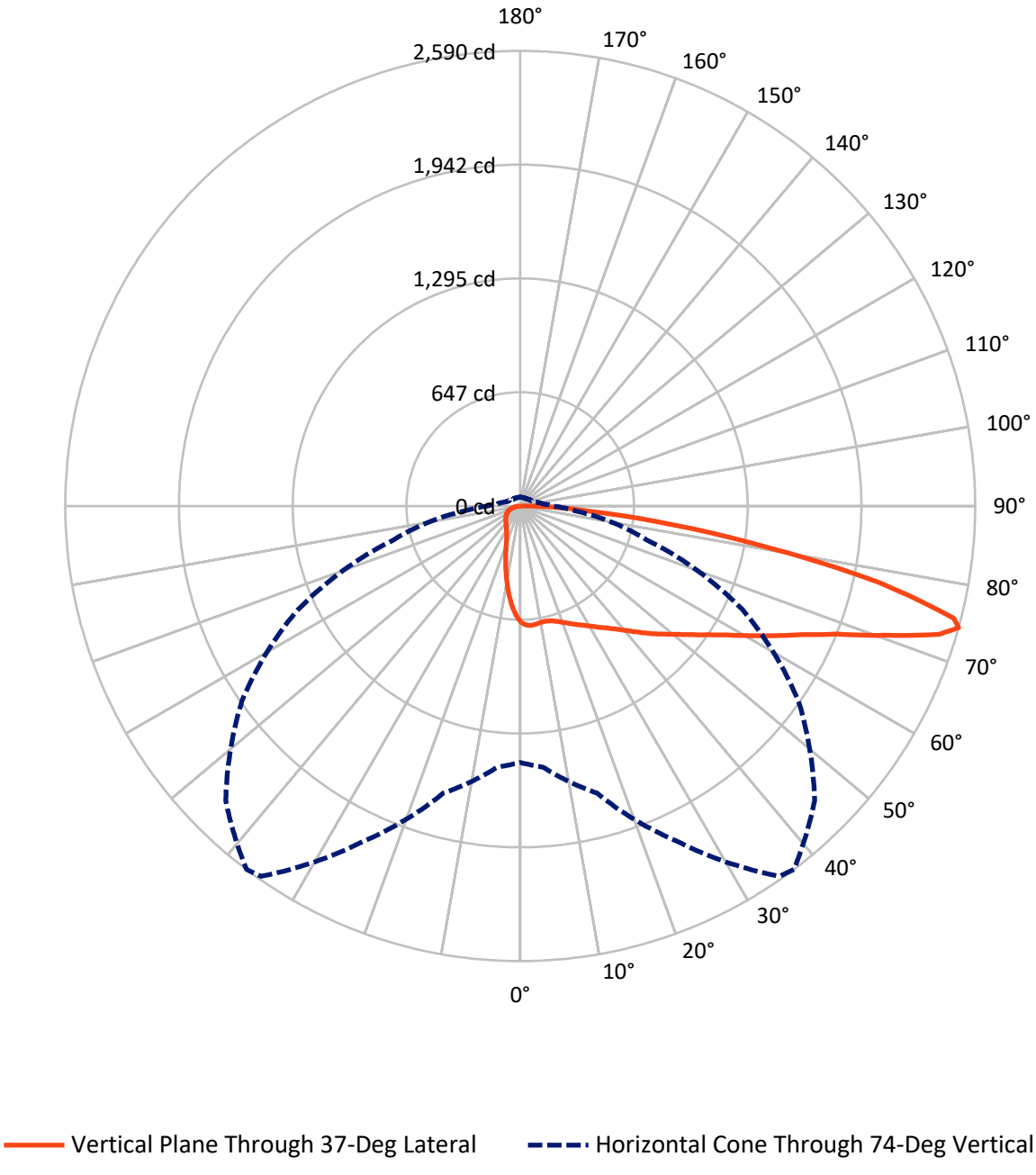
Luminous Intensity Polar Plot



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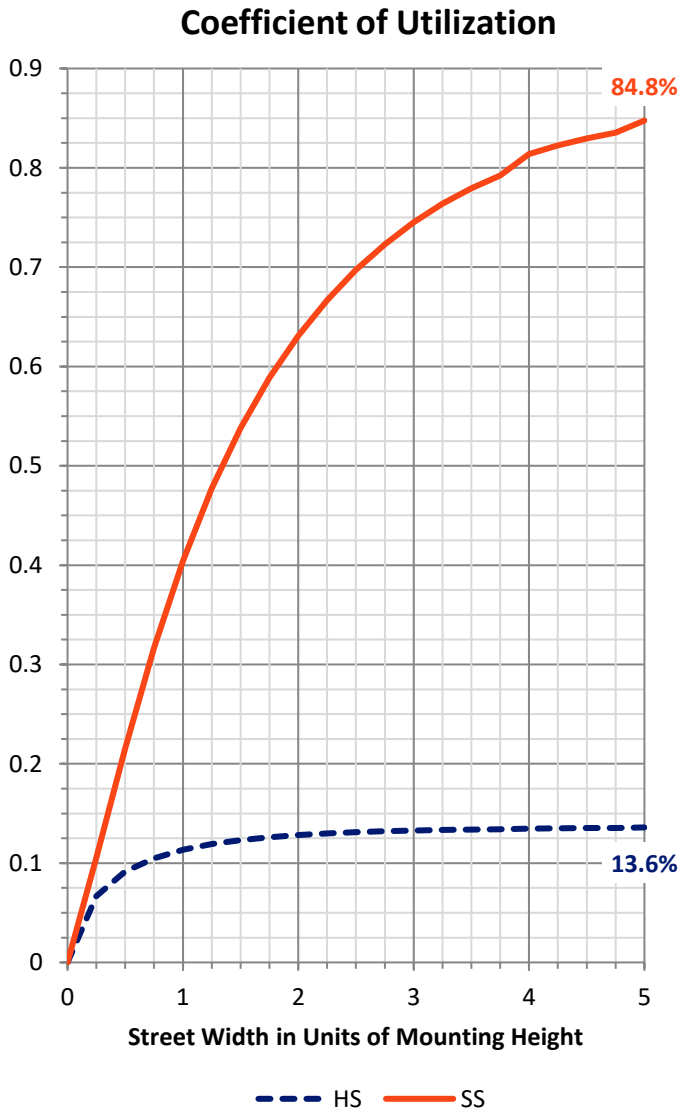
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	517.1	0.0	517.1
	% Fixture	13.8	0.0	13.8
Street Side	Lumens	3240.9	0.0	3240.9
	% Fixture	86.2	0.0	86.2
Total	Lumens	3758.0	0.0	3758.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	58.3	1.6
10°-20°	149.5	4.0
20°-30°	230.3	6.1
30°-40°	334.9	8.9
40°-50°	492.9	13.1
50°-60°	692.2	18.4
60°-70°	876.1	23.3
70°-80°	771.4	20.5
80°-90°	152.5	4.1
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°	3758.0	100.0
0°-180°	3758.0	100.0



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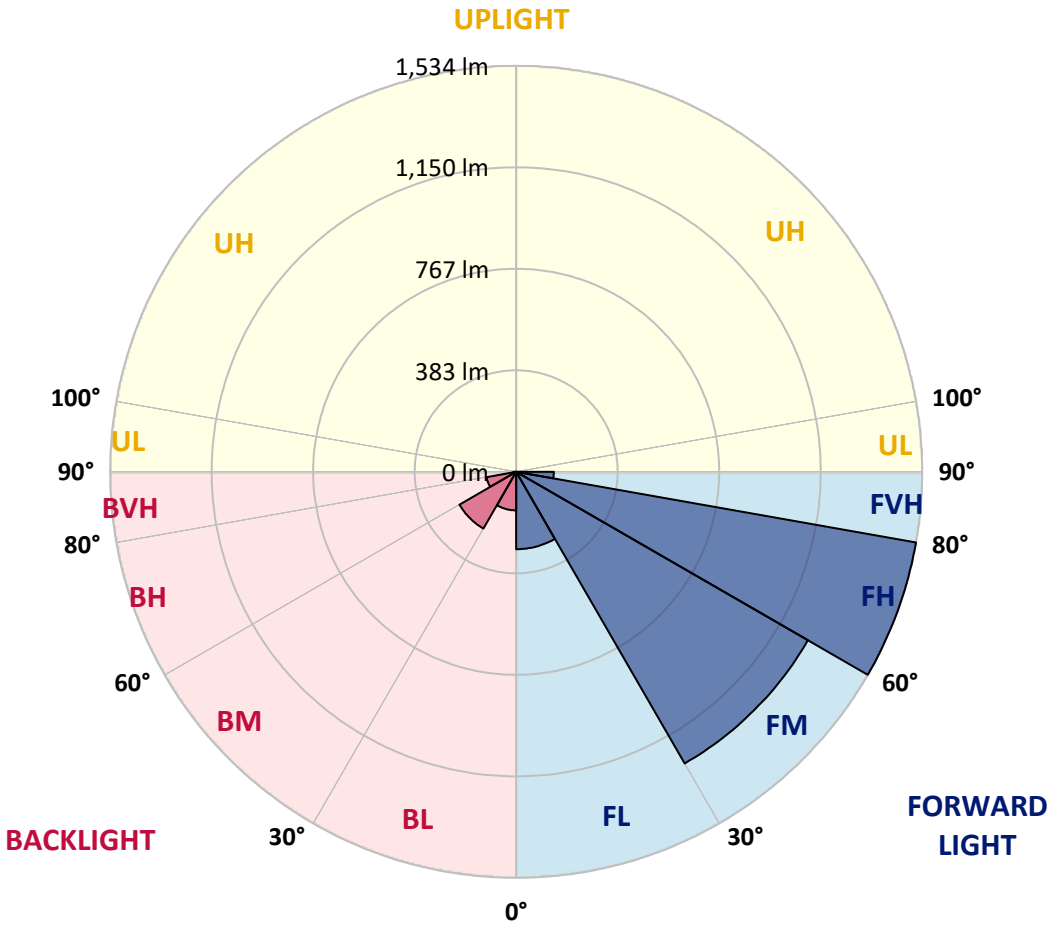
LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	292.4	7.8			
FM	(30°-60°)	1272.5	33.9			
FH	(60°-80°)	1533.8	40.8			G1/1800
FVH	(80°-90°)	142.2	3.8			G2/225
BL	(0°-30°)	145.6	3.9	B1/500		
BM	(30°-60°)	247.4	6.6	B1/1000		
BH	(60°-80°)	113.7	3.0	B1/500		G1/500
BVH	(80°-90°)	10.3	0.3			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

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CATALOG NUMBER: GPC-SA1A-830-U-SL4

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	37°	45°	55°	65°	75°	85°
0°	662.1	662.1	662.1	662.1	662.1	*662.1*	662.1	662.1	662.1	662.1	662.1
2.5°	684.8	684.9	684.8	683.7	681.2	*679.1*	677.4	674.9	669.3	665.1	658.7
5°	691.3	690.5	689.9	688.0	684.0	*681.6*	678.3	673.5	664.4	655.9	645.6
7.5°	688.2	687.3	686.1	683.7	679.2	*677.2*	672.6	666.4	655.4	644.3	629.4
10°	678.8	678.6	678.0	677.5	673.7	*672.1*	667.8	661.2	650.4	636.9	619.5
12.5°	668.4	669.0	671.1	673.9	672.2	*671.4*	668.8	664.3	653.1	638.6	617.7
15°	661.7	663.6	669.3	676.6	678.0	*677.8*	677.1	674.2	662.4	646.3	621.9
17.5°	659.5	662.5	673.4	685.4	689.7	*690.6*	690.9	685.8	672.7	655.7	626.3
20°	663.6	667.4	683.3	699.9	706.6	*707.2*	706.0	697.2	682.5	663.7	628.7
22.5°	676.0	679.5	699.3	718.0	725.7	*726.5*	722.9	709.7	692.9	673.3	632.0
25°	700.0	704.2	724.1	742.8	746.7	*746.9*	741.7	725.3	706.4	686.6	639.1
27.5°	731.2	735.5	753.4	771.6	769.5	*768.3*	761.3	744.9	724.0	705.0	651.8
30°	766.1	770.7	787.6	800.6	795.6	*793.2*	787.5	766.3	748.5	730.2	671.3
32.5°	802.1	806.3	821.1	830.0	823.6	*822.6*	814.0	794.7	780.4	768.6	702.8
35°	839.0	842.0	856.6	861.6	853.2	*852.9*	850.5	832.8	823.8	829.3	748.6
37.5°	876.7	877.5	890.0	890.2	887.7	*888.8*	891.3	880.2	882.7	900.0	808.2
40°	910.4	912.5	921.5	924.2	928.6	*932.3*	944.9	937.6	957.1	987.8	882.3
42.5°	935.2	939.3	953.8	960.9	975.1	*980.9*	998.6	1005.4	1044.6	1090.6	970.4
45°	956.3	962.6	985.8	1000.5	1024.5	*1034.7*	1060.1	1082.7	1143.5	1202.2	1063.2
47.5°	979.1	987.1	1016.1	1044.2	1076.7	*1088.3*	1134.5	1168.4	1249.0	1314.5	1150.7
50°	1012.5	1018.8	1047.1	1091.2	1131.8	*1146.6*	1210.6	1259.2	1356.2	1421.5	1226.6
52.5°	1059.3	1056.9	1080.9	1142.7	1197.2	*1215.5*	1291.9	1355.8	1464.9	1518.2	1290.7
55°	1106.3	1102.3	1119.1	1196.5	1273.5	*1292.7*	1381.3	1452.8	1568.3	1605.3	1339.8
57.5°	1158.6	1151.0	1165.2	1257.3	1360.3	*1383.2*	1481.6	1555.9	1669.9	1675.7	1371.0
60°	1212.4	1202.2	1218.1	1332.6	1470.6	*1497.6*	1598.8	1656.6	1765.8	1732.1	1381.1
62.5°	1259.6	1252.4	1276.9	1416.7	1594.9	*1624.5*	1714.0	1763.5	1860.3	1755.6	1344.8
65°	1300.7	1301.9	1344.3	1511.2	1733.5	*1765.1*	1846.1	1895.4	1934.7	1741.7	1260.0
67.5°	1349.8	1356.6	1428.9	1635.6	1907.9	*1942.6*	2038.3	2039.1	1976.2	1660.1	1092.9
70°	1421.5	1435.4	1545.2	1808.3	2156.0	*2203.7*	2277.5	2123.6	1917.9	1439.1	859.9
72.5°	1485.0	1510.9	1669.0	2005.8	2458.4	*2494.5*	2417.5	2074.9	1673.9	1078.5	535.7
74°	*1459.2*	*1491.3*	*1691.5*	*2103.1*	*2572.2*	*2589.5*	*2370.2*	*1932.7*	*1395.6*	*746.9*	*311.3*
75°	1403.6	1438.5	1658.7	2102.1	2557.8	*2548.1*	2256.1	1770.3	1149.4	509.4	207.2
77.5°	1132.7	1169.7	1397.6	1801.6	2097.2	*2088.1*	1733.1	1187.5	503.4	167.1	105.2
80°	658.6	686.8	867.6	1144.1	1414.2	*1430.7*	1139.8	587.6	198.0	93.9	71.4
82.5°	292.6	312.0	419.1	584.0	853.4	*874.7*	596.9	307.9	122.3	57.1	42.9
85°	191.9	206.4	254.4	278.1	406.4	*421.0*	292.2	239.7	80.7	31.4	31.5
87.5°	138.1	152.0	189.0	165.1	186.5	*176.6*	159.0	221.9	32.4	17.9	10.6
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

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CATALOG NUMBER: GPC-SA1A-830-U-SL4

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	662.1	662.1	662.1	662.1	662.1	662.1	662.1	662.1	662.1	662.1	662.1
2.5°	655.9	653.8	649.0	640.0	635.0	630.8	623.8	619.7	617.8	617.7	618.5
5°	639.6	634.7	622.4	607.3	595.3	584.3	570.7	562.5	556.6	553.2	554.1
7.5°	620.7	613.0	593.7	569.6	550.3	529.0	507.9	495.4	485.6	478.3	479.6
10°	607.7	597.1	569.0	534.3	502.1	471.1	442.1	424.8	411.0	400.4	401.2
12.5°	603.4	589.1	550.0	503.7	458.6	416.2	378.3	351.7	337.6	325.5	326.4
15°	604.0	584.8	534.1	476.2	419.4	366.0	320.1	289.0	269.8	261.4	261.6
17.5°	604.6	579.9	517.5	446.6	380.6	319.2	269.3	237.7	219.6	211.9	212.1
20°	602.8	572.0	496.8	412.7	340.1	276.1	227.8	201.1	187.3	181.4	181.4
22.5°	600.6	562.6	473.5	378.7	300.1	238.8	198.2	177.8	169.8	165.9	165.7
25°	601.6	555.6	449.7	343.8	263.3	209.0	178.4	164.9	159.6	157.1	157.0
27.5°	607.3	552.3	427.7	309.0	231.1	186.7	165.2	155.7	152.2	150.6	150.6
30°	617.7	552.3	404.8	279.3	204.4	170.1	155.0	148.5	146.1	145.1	145.1
32.5°	635.7	555.3	382.7	249.9	183.1	157.1	146.5	142.2	140.3	139.8	139.8
35°	666.6	565.6	361.1	222.1	165.9	146.5	138.5	136.0	134.6	134.5	134.9
37.5°	710.2	586.7	340.9	201.6	153.7	137.9	131.7	129.7	128.9	129.6	130.1
40°	765.0	615.3	322.5	183.1	144.4	131.1	125.5	124.2	123.8	124.7	125.5
42.5°	831.2	653.9	307.4	169.7	137.3	125.2	120.2	118.6	118.2	119.3	120.3
45°	902.8	695.5	296.8	159.8	131.7	120.9	115.6	113.8	113.0	113.6	114.8
47.5°	967.9	734.8	292.6	152.8	126.4	117.2	111.5	109.3	108.0	107.8	108.7
50°	1022.9	764.1	294.5	148.5	122.2	113.0	107.5	105.1	103.1	101.9	102.6
52.5°	1062.8	782.5	296.4	146.7	118.9	108.5	103.1	100.9	98.2	96.2	96.2
55°	1091.8	786.7	292.3	145.2	116.4	103.7	98.2	96.1	93.5	91.2	90.9
57.5°	1103.2	774.8	277.1	143.1	114.6	99.0	93.1	91.5	89.2	86.6	86.4
60°	1087.9	738.0	247.7	138.6	112.4	95.2	87.9	86.8	85.8	83.3	83.1
62.5°	1026.2	657.2	209.7	129.5	107.9	91.1	83.1	83.7	83.8	82.1	81.8
65°	914.3	546.3	172.6	117.5	101.1	86.2	78.2	80.7	82.2	81.9	81.5
67.5°	751.8	425.2	146.3	105.0	92.3	79.4	72.9	75.9	77.0	78.0	77.7
70°	558.0	299.8	121.0	91.7	81.5	71.5	66.1	67.5	66.7	67.8	68.2
72.5°	311.1	179.9	98.6	78.5	70.4	62.2	58.4	58.1	56.4	56.4	56.4
74°	*186.7*	*132.0*	*86.7*	*70.3*	*63.7*	*56.1*	*52.8*	*51.6*	*50.0*	*50.2*	*50.0*
75°	150.1	113.4	79.6	64.9	58.9	52.6	49.2	47.7	46.5	46.5	46.3
77.5°	94.8	86.2	64.1	51.6	47.1	43.3	41.0	38.9	38.9	38.8	38.7
80°	71.6	68.6	49.9	39.1	36.1	33.2	31.8	30.8	30.8	31.2	31.1
82.5°	49.1	51.6	35.1	27.3	25.8	23.7	23.4	23.6	23.2	22.6	22.5
85°	35.9	38.8	23.7	17.2	15.8	14.4	15.5	16.0	15.4	14.2	13.6
87.5°	13.8	25.4	12.7	7.1	6.6	5.7	6.6	6.9	7.4	5.8	6.0
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

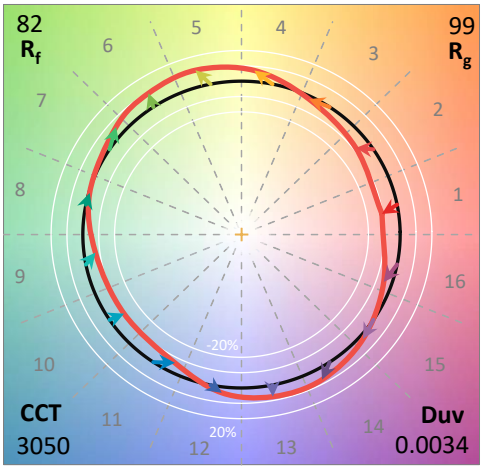
Test Information

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

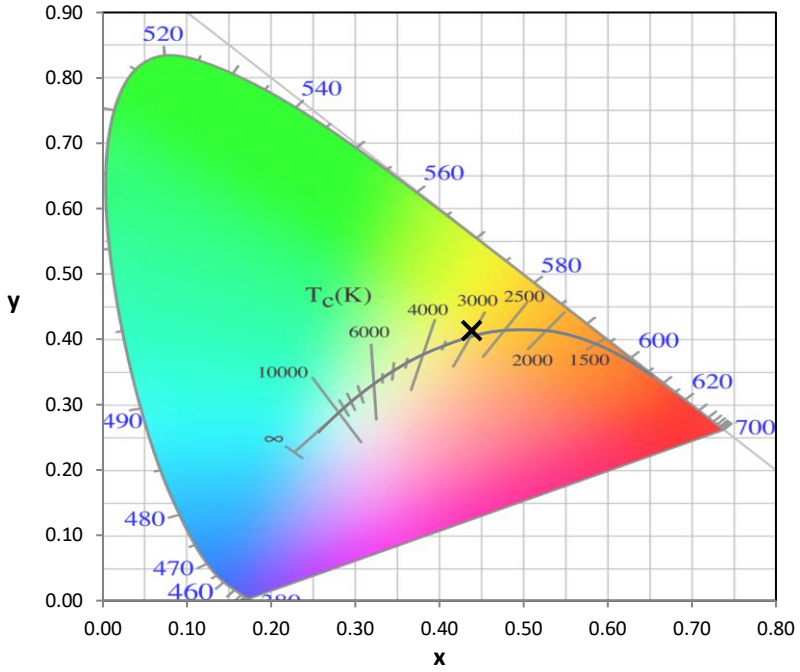
Stabilization Time:	20M
Operation Time:	1H 20M
Sphere Temperature (°C):	24.2

REPORT NUMBER: SP1-2408-195-9

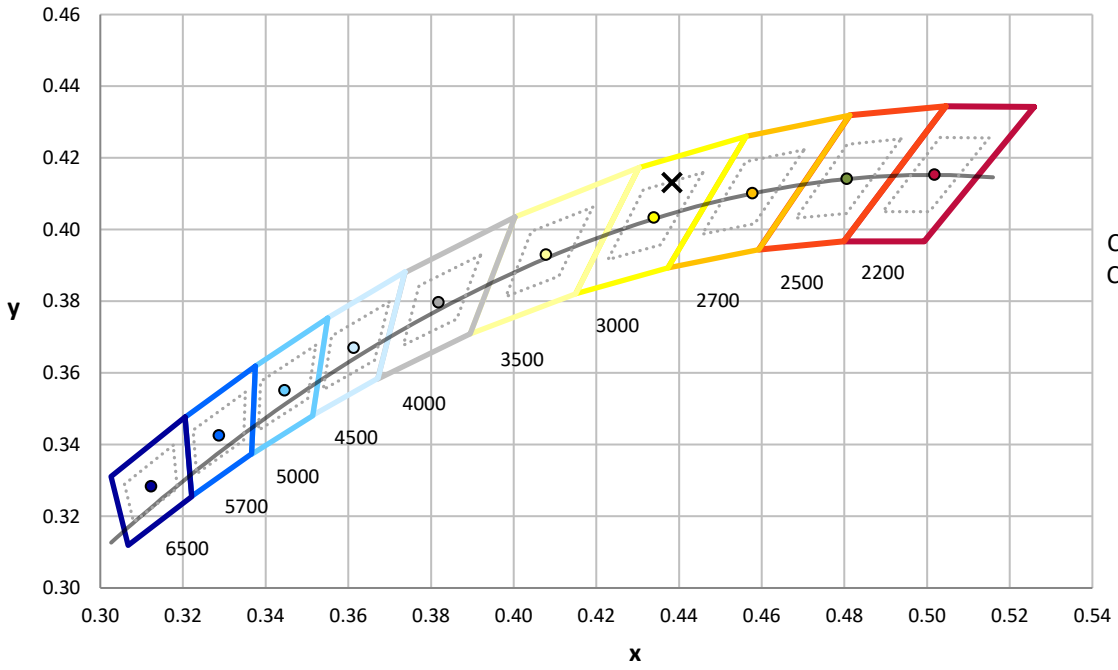
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

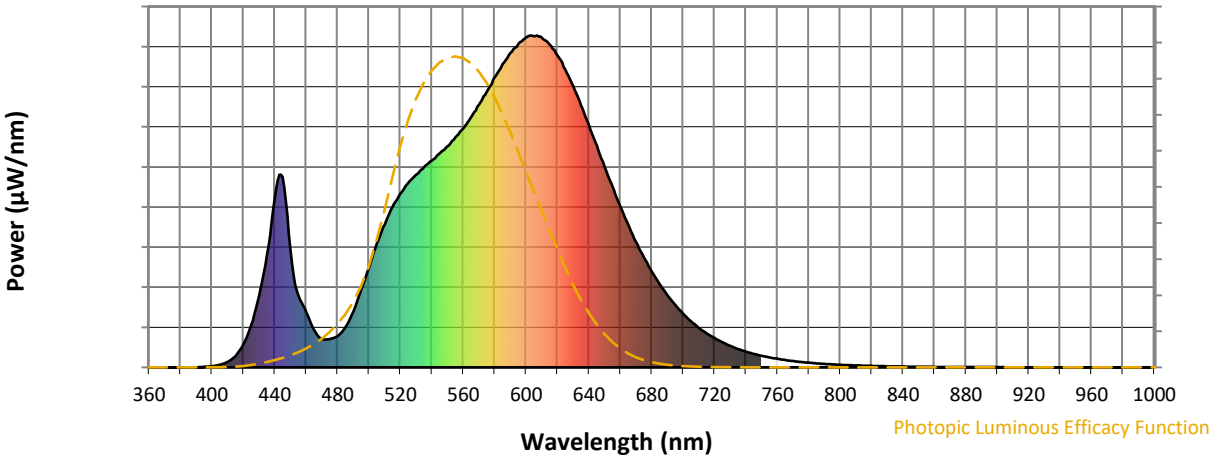


CCT = 3050K
CIE x = 0.4383
CIE y = 0.4131
Duv = 0.0034

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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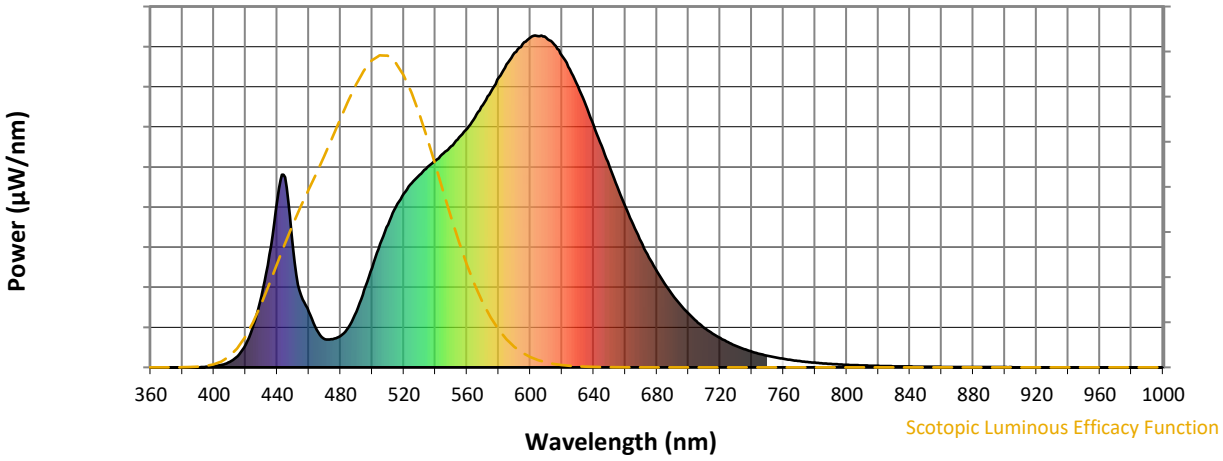
Scotopic Flux vs. Wavelength



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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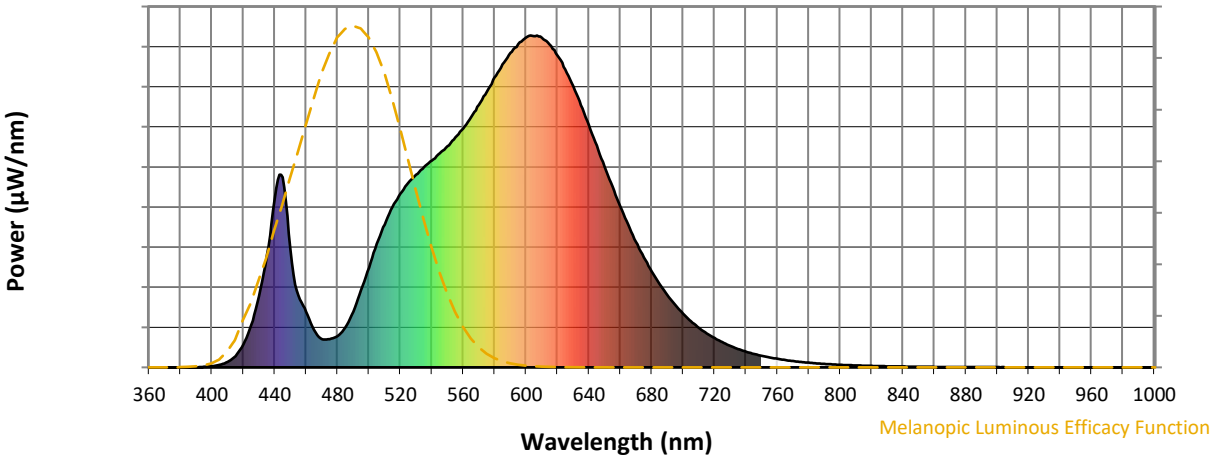
Melanopic Flux vs. Wavelength



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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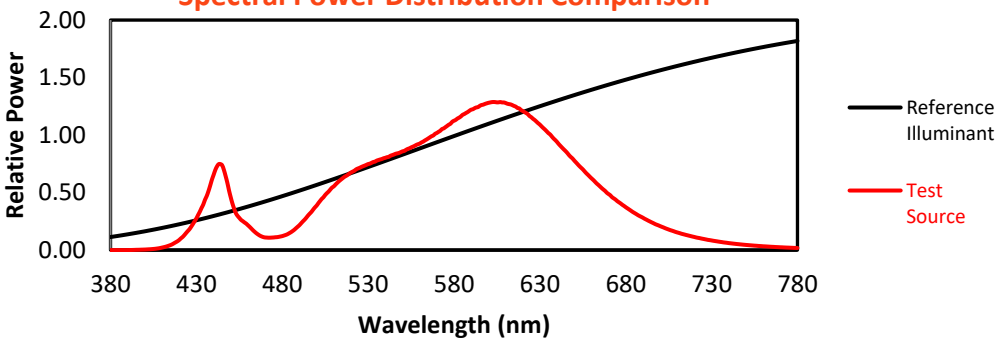
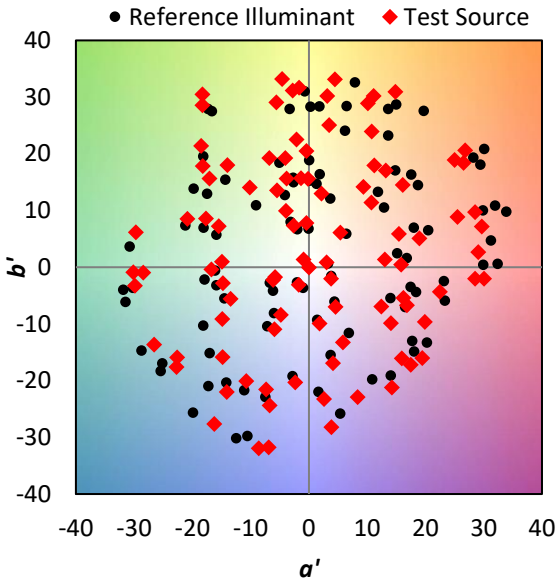
Summary

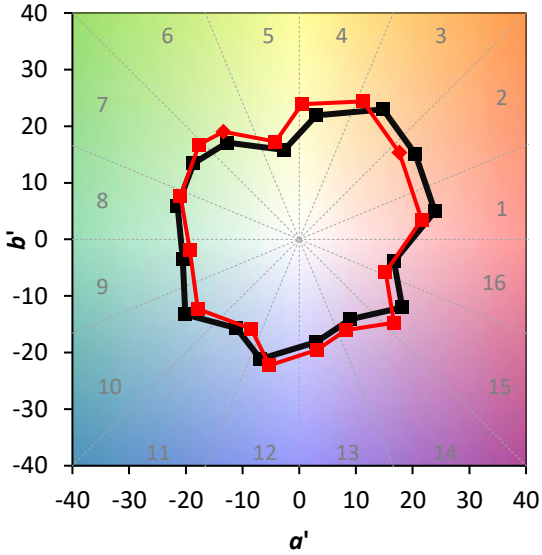
R_f = 81.5
R_g = 99.2
CIE R_a = 81.0
R_9 = 7.1

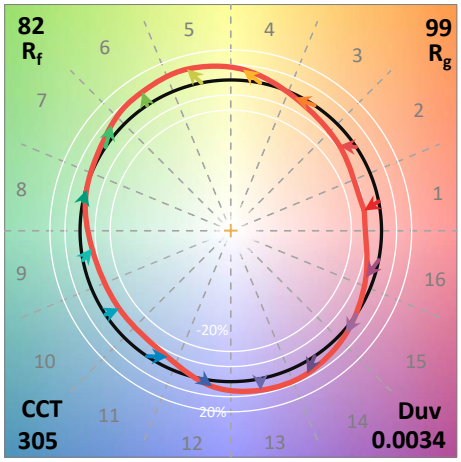
Spectral Power Distribution Comparison

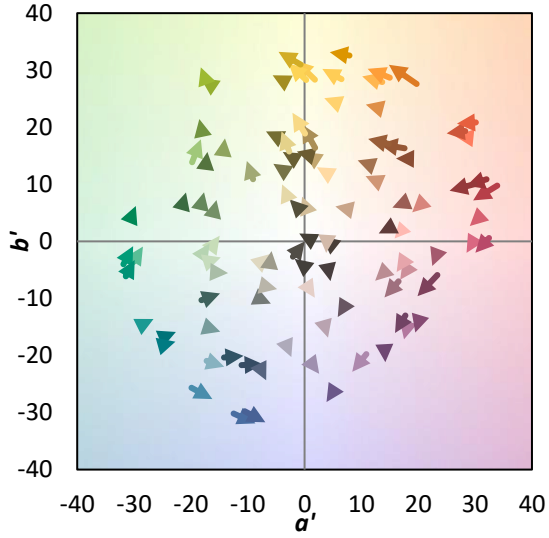


Color Vector Graphics









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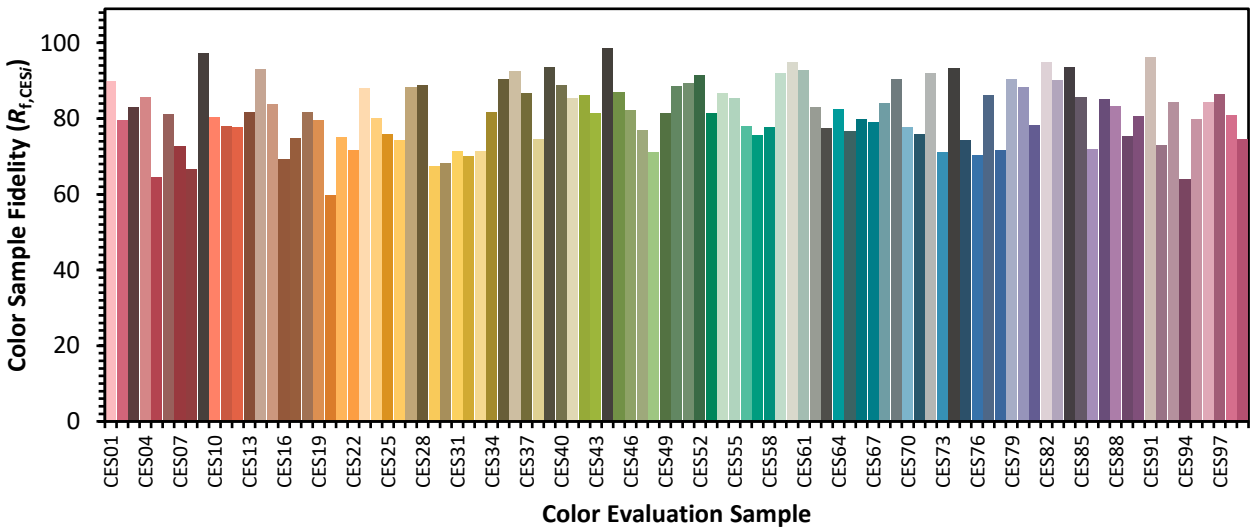
Individual Sample Fidelity Index ($R_{f,i}$)

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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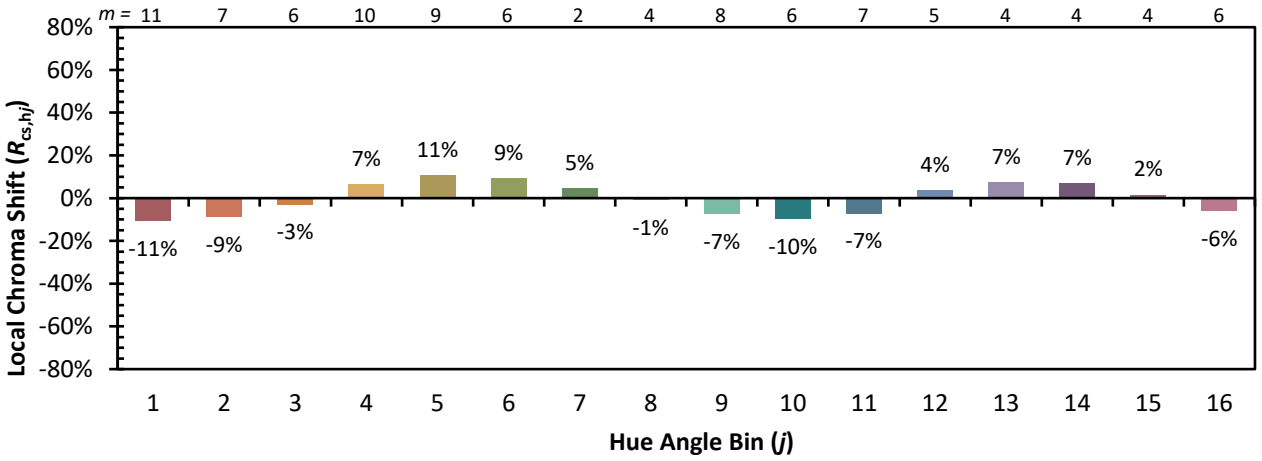
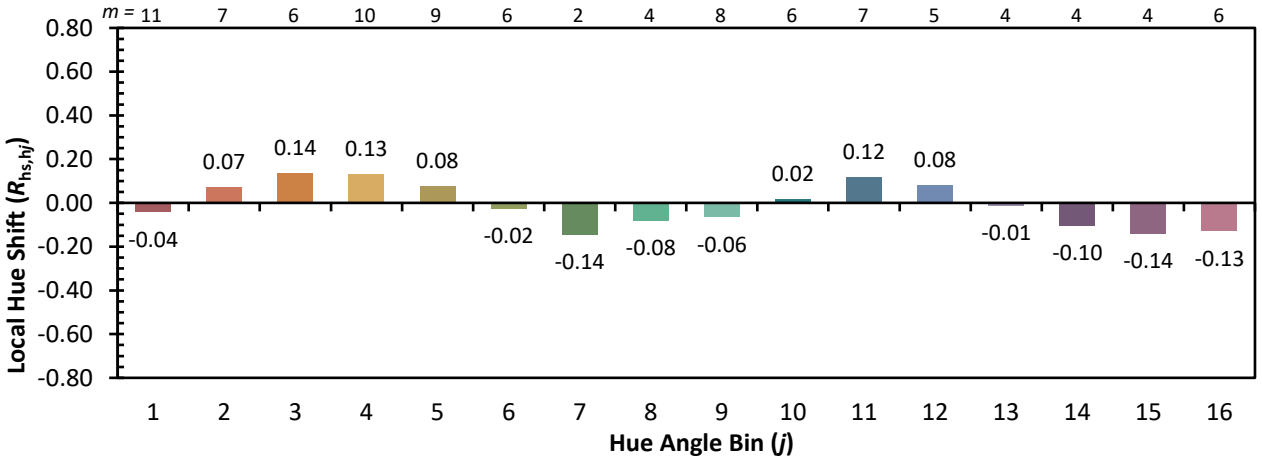
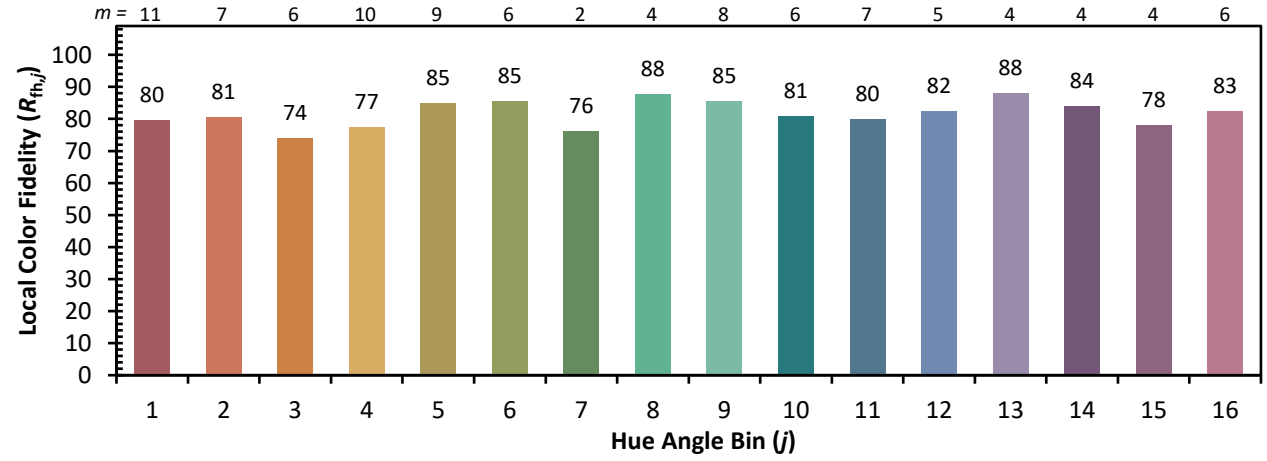
Color Rendition by Hue-Angle Bin







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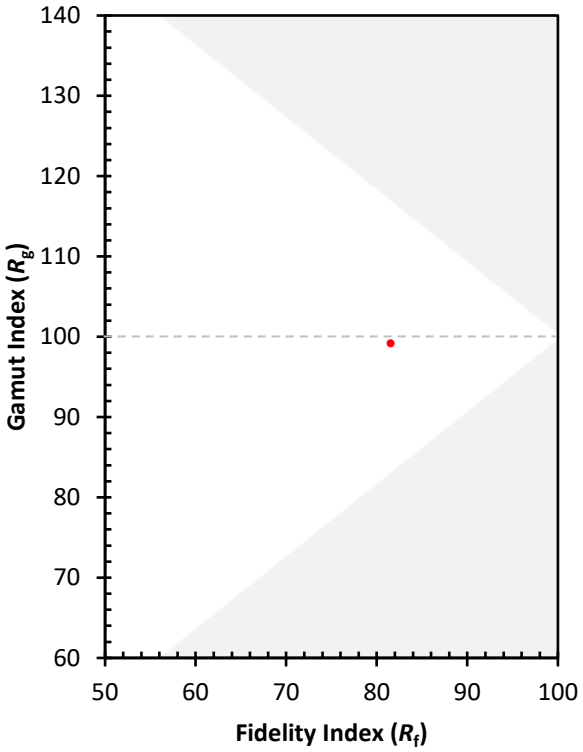
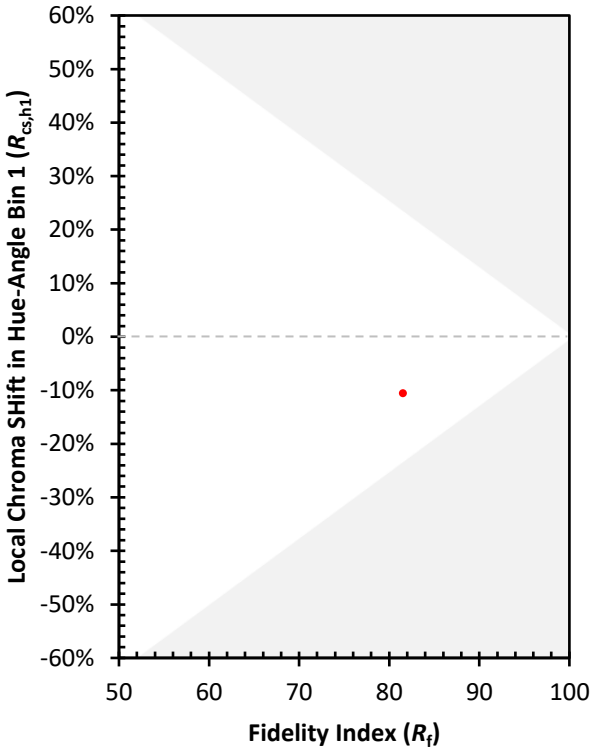
Measure Comparisons





(END OF REPORT)