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: P385604

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

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:	P385604
	TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-25)
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-HSS
Description:	GALLEON PEDESTRIAN LUMINAIRE
	(1) 80 CRI, 3000K, 615mA LIGHTSQUARE WITH 16 LEDS AND TYPE IV SPILL LIGHT ELIMINATOR OPTICS WITH HOUSE SIDE SHIELD
Light Source:	-
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	3210 lumens
Efficiency:	N/A
Efficacy:	94.4 lumens/watt
Luminous Opening:	Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification:	Type IV - Short
BUG Rating:	B0 - 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:	28.75 FT

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REPORT NUMBER: P385604
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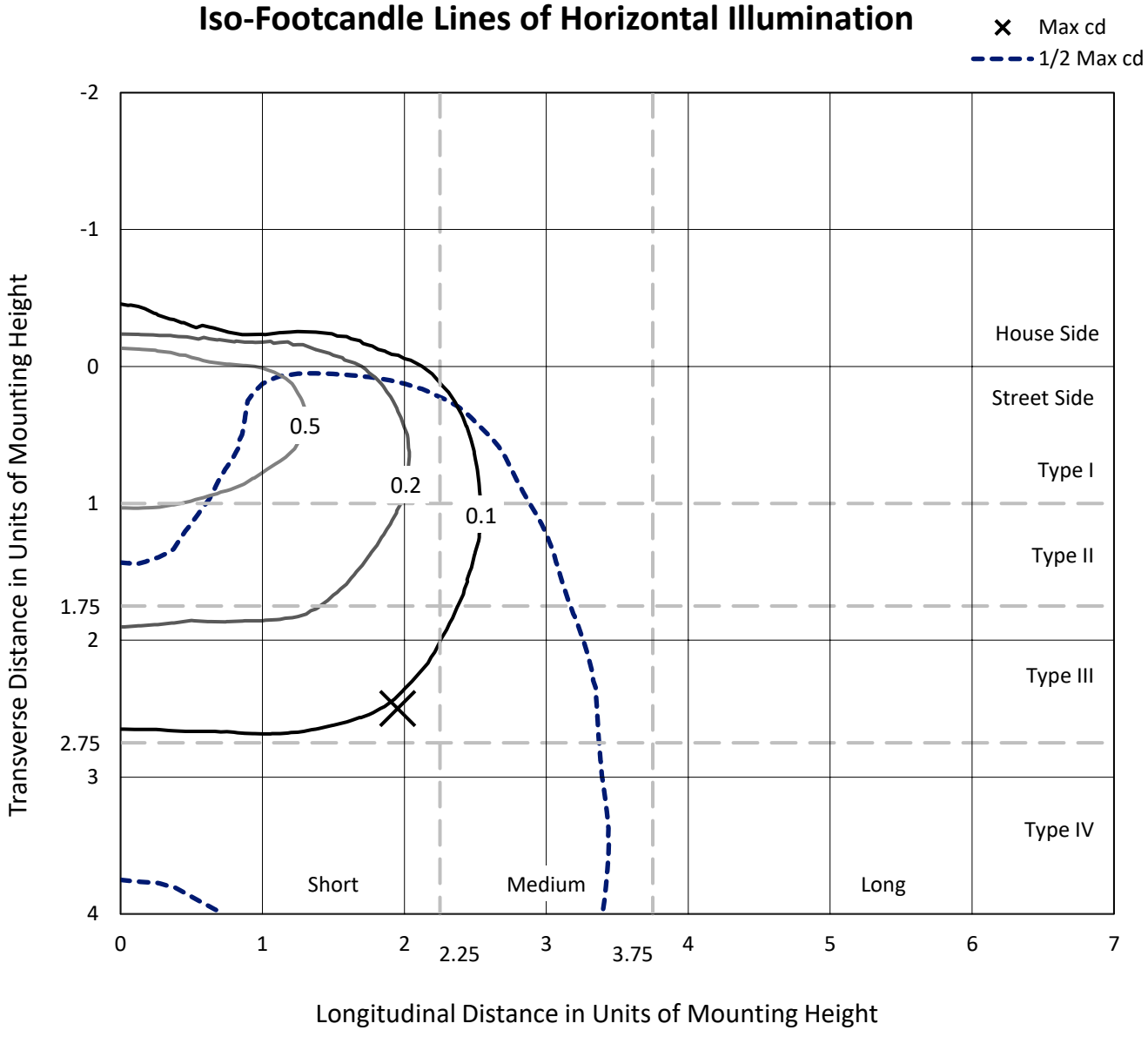
Iso-Footcandle Lines of Horizontal Illumination



Based on 25 foot mounting height. Maximum calculated value = 1 fc
Type IV - Short - N/A

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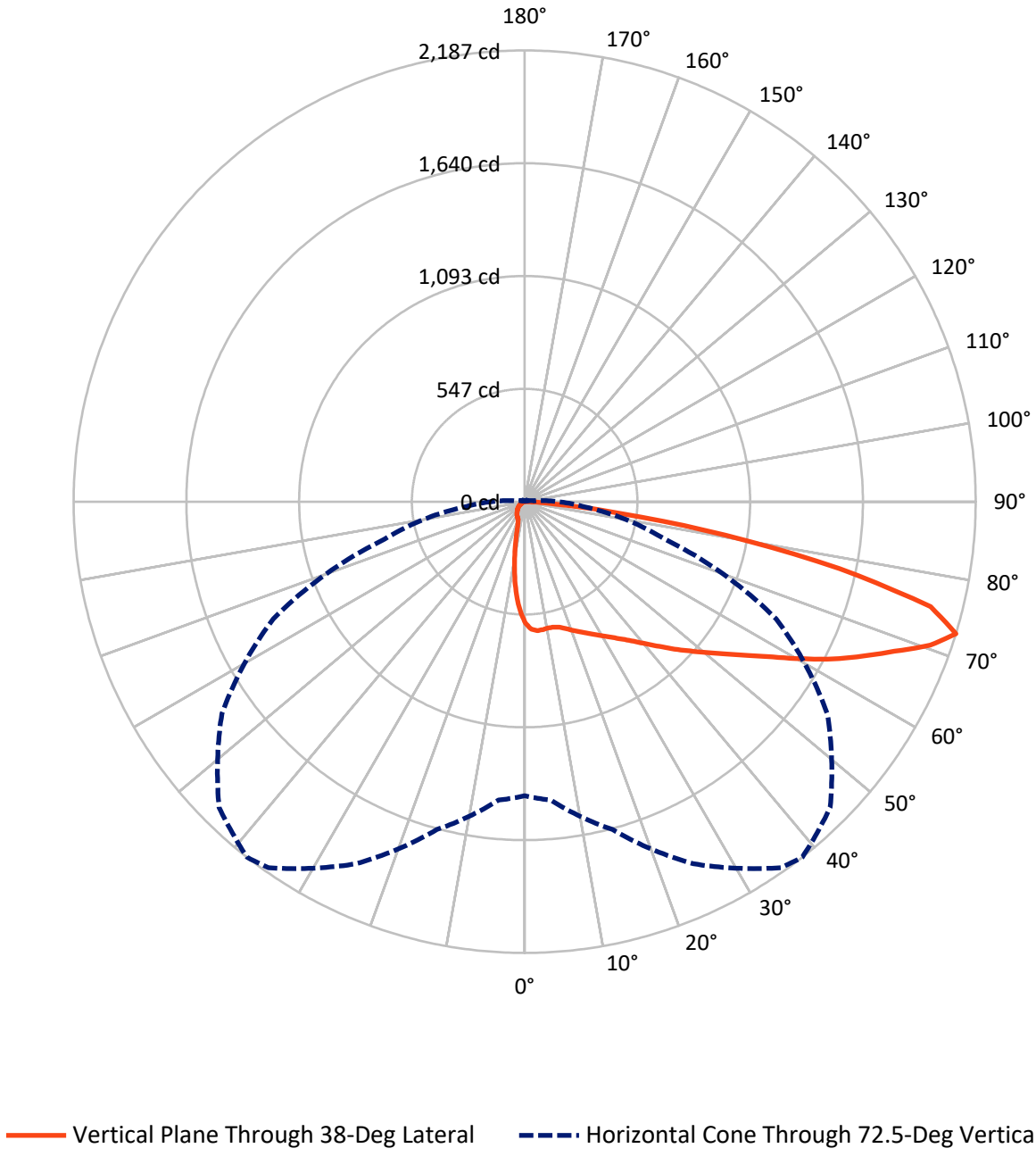
Luminous Intensity Polar Plot



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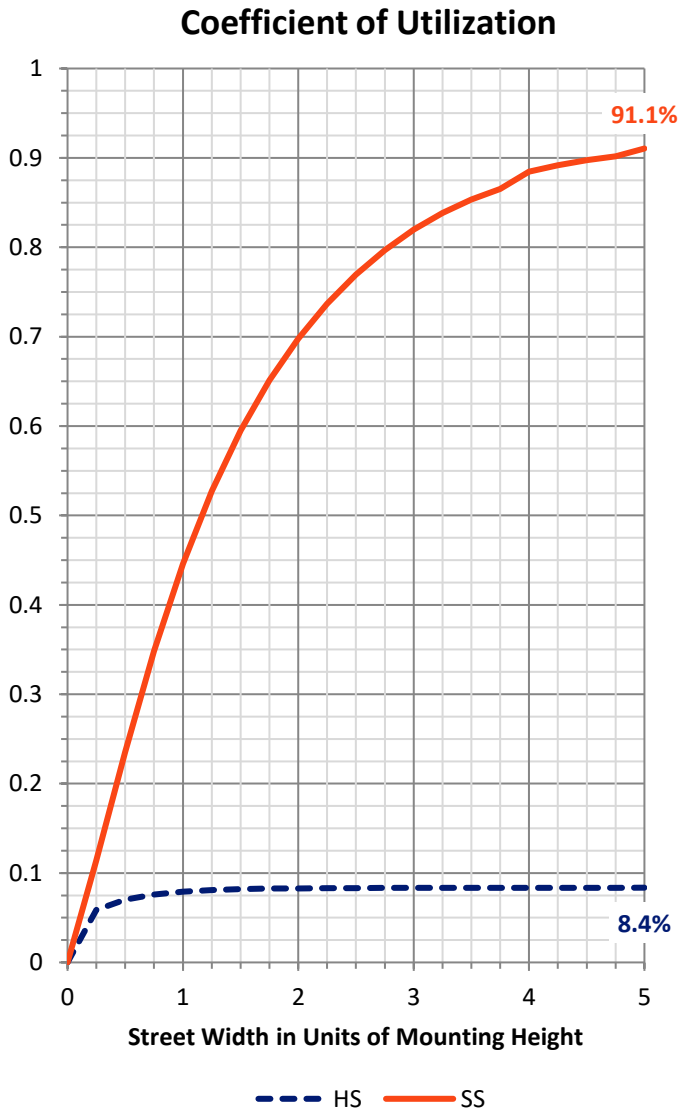
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	270.1	0.0	270.1
	% Fixture	8.4	0.0	8.4
Street Side	Lumens	2939.9	0.0	2939.9
	% Fixture	91.6	0.0	91.6
Total	Lumens	3210.0	0.0	3210.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	50.3	1.6
10°-20°	123.0	3.8
20°-30°	195.6	6.1
30°-40°	294.1	9.2
40°-50°	448.7	14.0
50°-60°	634.2	19.8
60°-70°	795.5	24.8
70°-80°	594.8	18.5
80°-90°	73.8	2.3
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°	3210.0	100.0
0°-180°	3210.0	100.0



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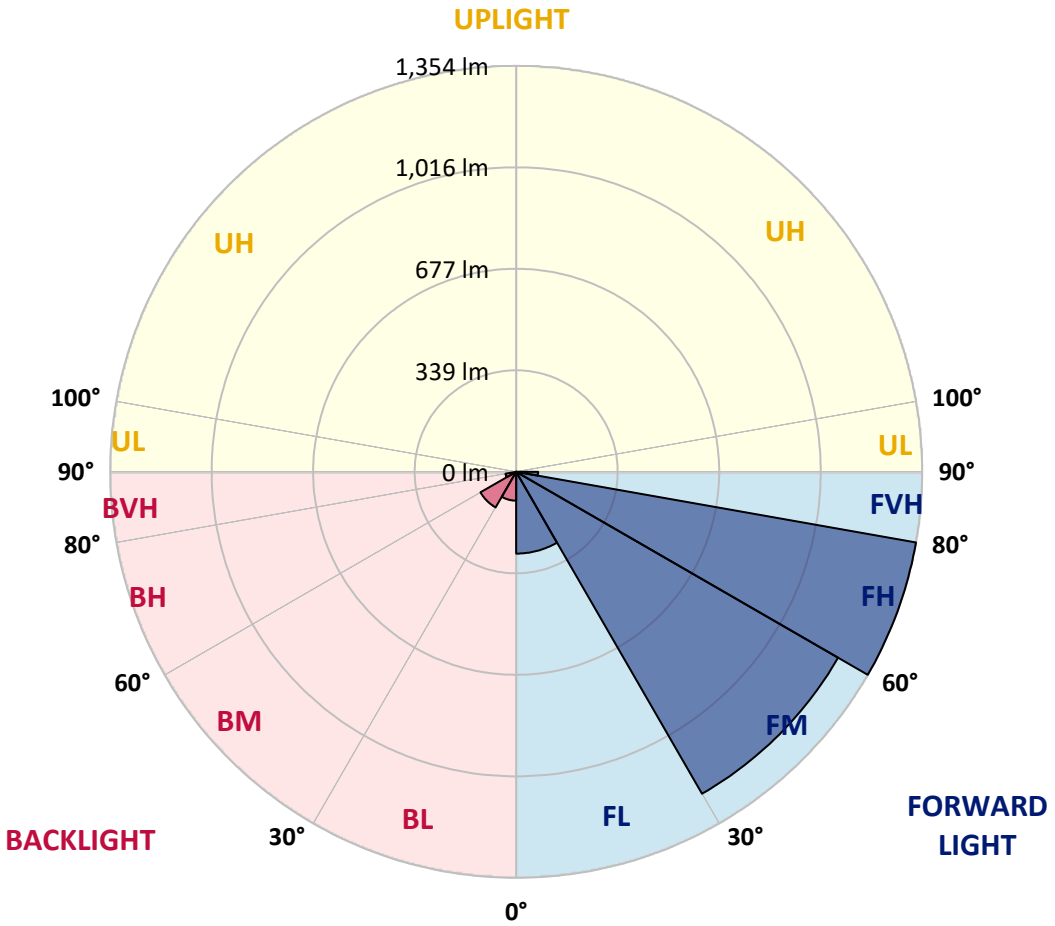
LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	272.8	8.5			
FM	(30°-60°)	1239.8	38.6			
FH	(60°-80°)	1354.2	42.2			G1/1800
FVH	(80°-90°)	73.1	2.3			G1/100
BL	(0°-30°)	96.2	3.0	B0/110		
BM	(30°-60°)	137.2	4.3	B0/220		
BH	(60°-80°)	36.1	1.1	B0/110		G0/110
BVH	(80°-90°)	0.7	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-G1
Type IV Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	38°	45°	55°	65°	75°	85°
0°	590.3	590.3	590.3	590.3	590.3	590.3	590.3	590.3	590.3	590.3	590.3
2.5°	626.6	626.7	625.2	622.8	619.8	618.2	615.5	611.2	606.7	598.6	589.8
5°	639.4	639.4	637.5	634.3	629.4	627.9	622.8	616.0	606.7	593.5	578.7
7.5°	638.0	638.3	635.8	632.4	627.5	626.2	620.0	612.4	600.8	584.8	565.9
10°	631.1	631.8	629.8	628.2	623.6	622.2	616.4	608.8	597.2	580.2	558.4
12.5°	624.0	624.7	625.4	626.8	624.0	623.5	619.0	612.6	601.5	583.8	559.2
15°	619.5	620.8	625.6	631.4	632.0	631.5	628.6	622.6	611.4	593.0	565.0
17.5°	619.5	621.6	631.6	642.6	646.4	646.8	644.3	635.9	622.6	602.8	570.3
20°	624.7	627.6	643.2	658.7	665.1	665.1	660.2	648.4	632.8	611.8	573.9
22.5°	638.0	641.9	661.5	679.4	686.2	684.7	678.0	661.0	643.5	621.9	578.4
25°	664.3	667.2	687.6	705.6	709.8	706.4	698.0	676.2	657.1	635.6	586.7
27.5°	698.2	698.6	719.6	734.8	732.3	730.0	719.5	695.2	676.7	655.2	601.0
30°	735.4	735.4	753.9	765.5	757.7	755.9	745.4	718.3	701.8	681.9	621.2
32.5°	771.3	772.9	788.0	795.3	786.7	784.8	774.5	747.5	735.1	722.6	652.8
35°	806.1	807.3	821.6	825.6	817.3	817.9	810.5	787.6	782.9	781.3	700.4
37.5°	839.9	840.1	854.7	857.2	853.1	857.6	858.3	838.0	846.7	859.6	767.5
40°	870.7	870.9	885.3	891.9	898.9	904.8	910.0	899.2	927.9	957.9	847.3
42.5°	895.3	898.1	916.4	928.8	947.5	958.7	972.8	972.2	1024.5	1069.6	943.9
45°	917.1	921.9	947.3	969.0	1001.0	1018.9	1041.0	1058.4	1133.3	1193.9	1041.6
47.5°	945.7	950.3	979.3	1014.9	1057.6	1081.0	1117.7	1155.2	1252.9	1316.1	1137.0
50°	986.1	984.1	1012.8	1063.8	1118.6	1149.4	1201.7	1257.8	1371.5	1422.4	1193.1
52.5°	1029.2	1028.4	1049.6	1117.0	1190.6	1226.6	1295.7	1363.9	1485.0	1495.8	1218.9
55°	1082.5	1076.8	1094.6	1177.7	1276.1	1314.7	1396.1	1469.0	1575.4	1537.1	1231.8
57.5°	1138.4	1128.9	1146.0	1245.3	1372.5	1418.2	1507.2	1571.4	1635.5	1565.4	1231.7
60°	1196.1	1184.9	1205.1	1329.8	1492.2	1545.1	1627.7	1640.5	1691.6	1579.6	1222.6
62.5°	1244.3	1237.7	1267.8	1420.2	1625.9	1677.9	1718.8	1703.5	1738.9	1590.7	1201.4
65°	1295.4	1295.8	1344.5	1525.6	1768.0	1803.1	1806.5	1785.1	1778.5	1588.4	1129.7
67.5°	1364.5	1370.9	1452.0	1668.8	1906.2	1933.3	1933.0	1873.4	1807.5	1498.3	970.6
70°	1437.5	1452.6	1576.0	1832.6	2057.1	2084.6	2070.5	1929.7	1701.9	1211.5	687.0
72.5°	1425.2	1451.4	1644.9	1936.0	2165.5	2186.5	2094.6	1791.5	1345.1	704.2	292.5
75°	1099.6	1129.8	1508.3	1833.6	2051.8	2033.0	1799.7	1394.1	735.1	196.5	65.9
77.5°	580.8	597.0	996.4	1396.8	1599.9	1560.6	1267.8	773.3	224.1	48.7	29.6
80°	304.2	308.0	434.2	792.5	987.4	987.7	751.4	339.7	92.4	24.9	19.9
82.5°	162.9	166.1	229.4	366.2	517.4	469.0	287.7	186.9	53.7	14.1	19.1
85°	39.2	39.9	130.1	167.3	203.4	145.3	85.5	156.9	14.5	8.3	15.5
87.5°	15.1	15.3	48.3	72.4	51.9	33.6	40.0	58.5	1.9	3.2	2.4
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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REPORT NUMBER: P385604
CATALOG NUMBER: GPC-SA1A-830-U-SL4-HSS

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	590.3	590.3	590.3	590.3	590.3	590.3	590.3	590.3	590.3	590.3	590.3
2.5°	584.4	581.0	572.4	561.6	552.0	545.1	534.7	527.9	523.4	523.3	521.5
5°	569.6	562.6	544.2	522.3	502.5	484.6	463.5	446.9	434.5	432.5	428.2
7.5°	553.8	542.2	513.9	479.8	446.5	412.6	373.3	348.9	327.9	318.0	316.9
10°	544.0	527.8	487.7	438.3	386.1	331.0	279.6	244.0	218.2	210.9	205.4
12.5°	542.0	520.6	467.4	399.4	324.7	252.0	195.0	157.2	136.6	130.1	128.4
15°	544.0	517.3	450.3	360.9	262.6	178.8	130.9	108.9	101.2	99.3	99.2
17.5°	545.2	513.3	431.0	318.1	202.4	127.7	100.3	93.9	92.7	92.5	92.8
20°	545.1	507.1	407.9	270.4	150.5	100.4	90.7	89.3	89.1	89.2	89.1
22.5°	544.2	499.9	382.6	221.2	113.7	89.7	86.5	85.7	85.6	85.6	85.6
25°	545.9	494.2	354.7	174.1	93.7	84.8	82.8	82.1	82.0	82.0	81.7
27.5°	552.2	491.0	324.2	134.0	84.7	80.4	78.8	78.7	78.3	78.1	78.4
30°	562.3	491.0	290.8	104.3	79.2	75.9	74.7	74.4	74.3	74.1	74.3
32.5°	580.2	494.7	254.2	86.7	74.0	70.8	70.0	70.4	70.0	70.0	70.0
35°	612.4	505.9	216.0	75.6	68.5	65.9	65.1	65.6	65.3	65.3	65.2
37.5°	659.5	526.7	177.4	68.9	63.7	60.9	59.9	60.7	60.4	60.4	60.3
40°	716.8	557.0	140.8	63.9	59.1	56.1	55.2	55.6	54.9	54.9	55.2
42.5°	787.6	595.4	108.8	58.9	54.4	51.6	51.1	50.7	49.5	48.8	48.9
45°	866.3	635.4	84.8	54.1	50.0	47.7	46.9	45.9	43.9	42.5	42.7
47.5°	936.5	666.2	68.9	49.5	46.0	44.3	43.1	41.1	38.1	36.5	36.7
50°	973.4	670.8	58.7	44.8	42.3	40.5	38.8	35.7	32.3	30.5	30.4
52.5°	982.9	649.0	51.1	40.5	38.5	36.5	34.3	30.1	26.3	24.4	24.1
55°	986.4	615.6	44.3	36.5	34.5	32.3	29.3	24.7	21.1	19.2	19.1
57.5°	974.9	565.9	38.9	32.9	30.5	27.7	24.1	19.7	16.3	14.8	14.8
60°	949.5	498.6	34.8	29.1	26.4	23.2	19.5	15.3	12.1	10.9	10.9
62.5°	898.7	411.4	30.9	25.1	22.5	19.2	15.7	11.6	8.5	7.9	8.0
65°	802.8	312.1	27.1	21.5	19.2	15.9	12.3	8.3	5.7	5.7	6.0
67.5°	654.7	216.8	23.1	18.3	16.5	12.9	9.3	5.7	4.0	4.5	5.1
70°	433.4	121.6	19.7	15.1	14.1	10.3	6.9	3.9	3.2	4.3	5.2
72.5°	*163.6*	*47.3*	*16.5*	*12.1*	*12.3*	*7.9*	*4.9*	*2.9*	*2.9*	*4.7*	*6.1*
75°	45.6	23.2	11.9	8.9	9.6	5.7	3.6	2.5	2.8	5.3	7.2
77.5°	26.8	17.1	7.7	5.2	6.5	4.0	2.4	2.0	2.4	4.5	6.9
80°	21.6	9.1	4.5	2.7	3.6	2.3	1.6	1.2	0.7	1.7	3.6
82.5°	21.6	5.5	2.1	1.9	1.9	1.2	0.8	0.5	0.1	0.0	0.9
85°	14.5	2.3	1.3	1.2	0.9	0.4	0.3	0.1	0.0	0.0	0.0
87.5°	2.4	0.9	0.5	0.3	0.1	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

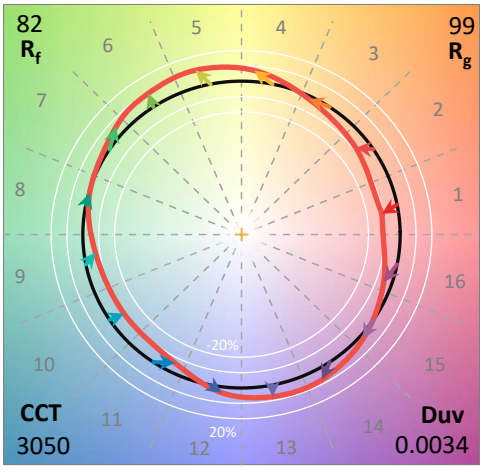
Test Information

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

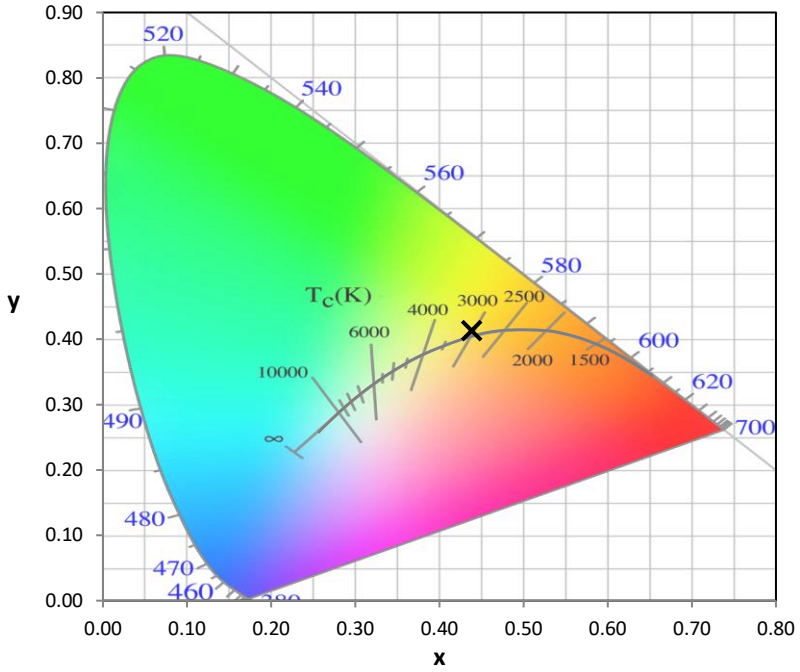
Stabilization Time:	20M
Operation Time:	1H 20M
Sphere Temperature (°C):	24.2

REPORT NUMBER: SP1-2408-195-9

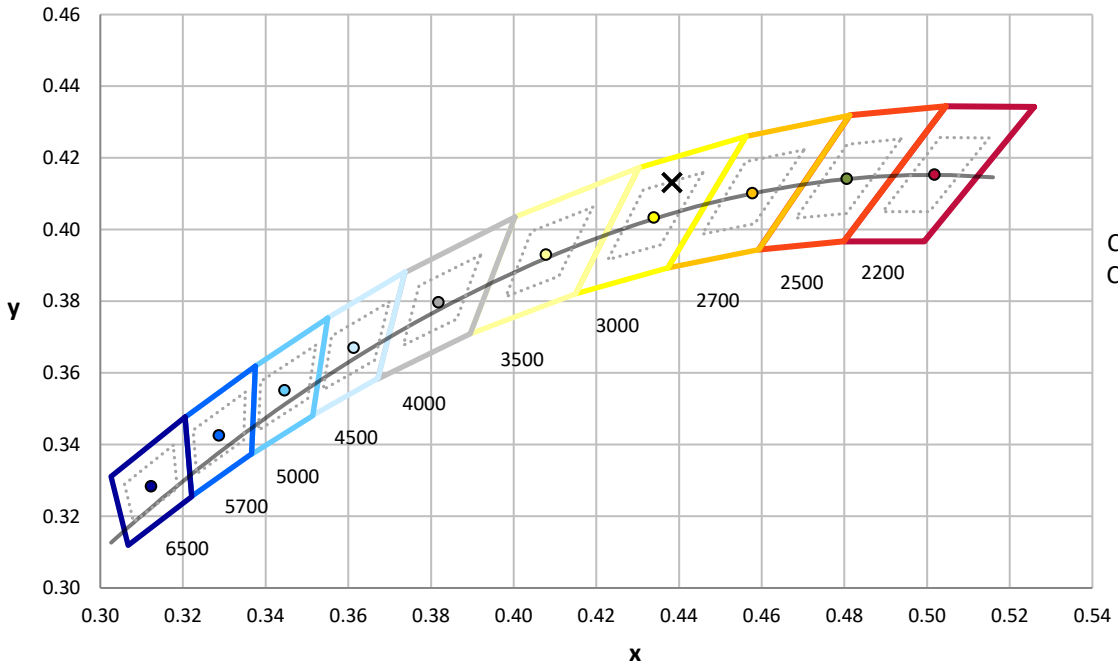
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

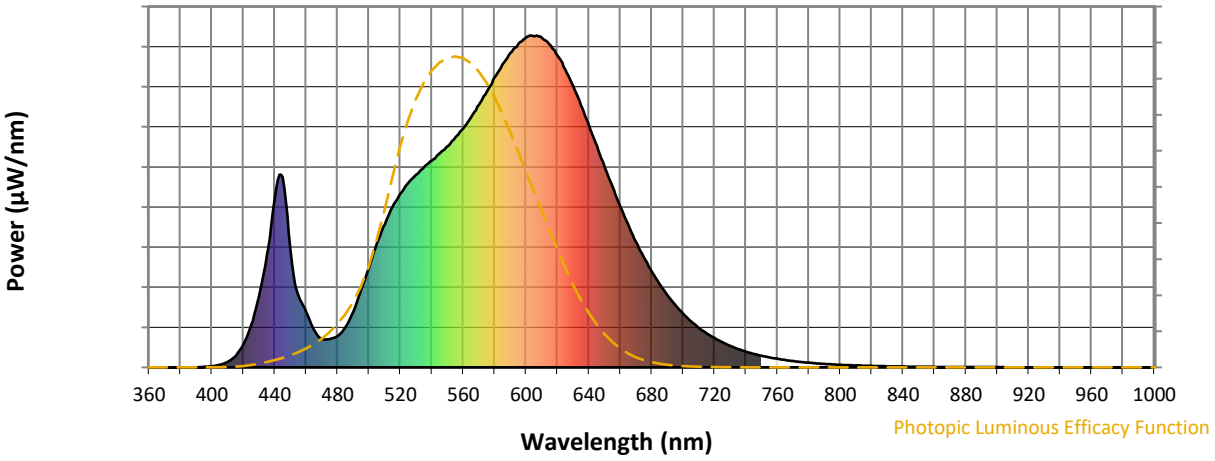


CCT = 3050K
CIE x = 0.4383
CIE y = 0.4131
Duv = 0.0034

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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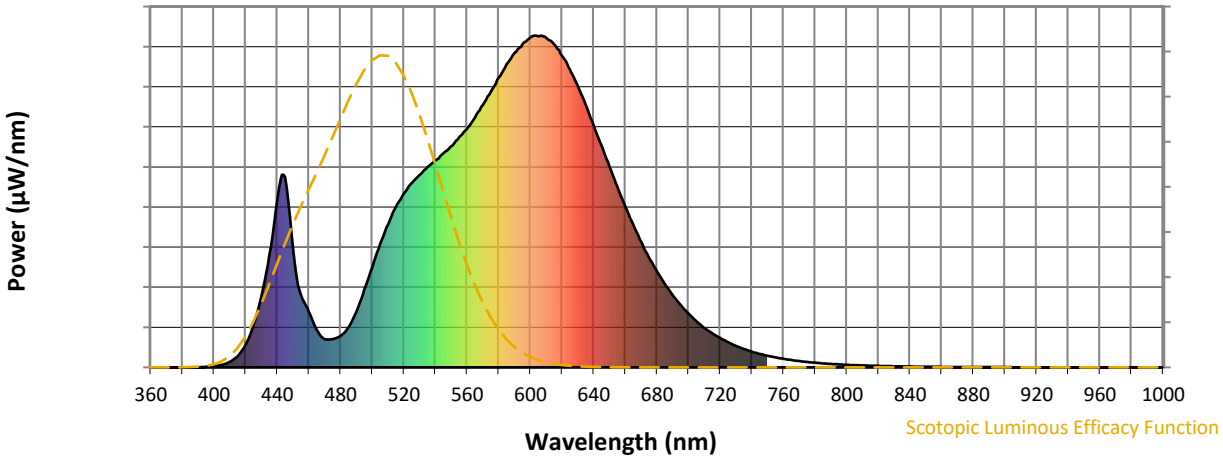
Scotopic Flux vs. Wavelength



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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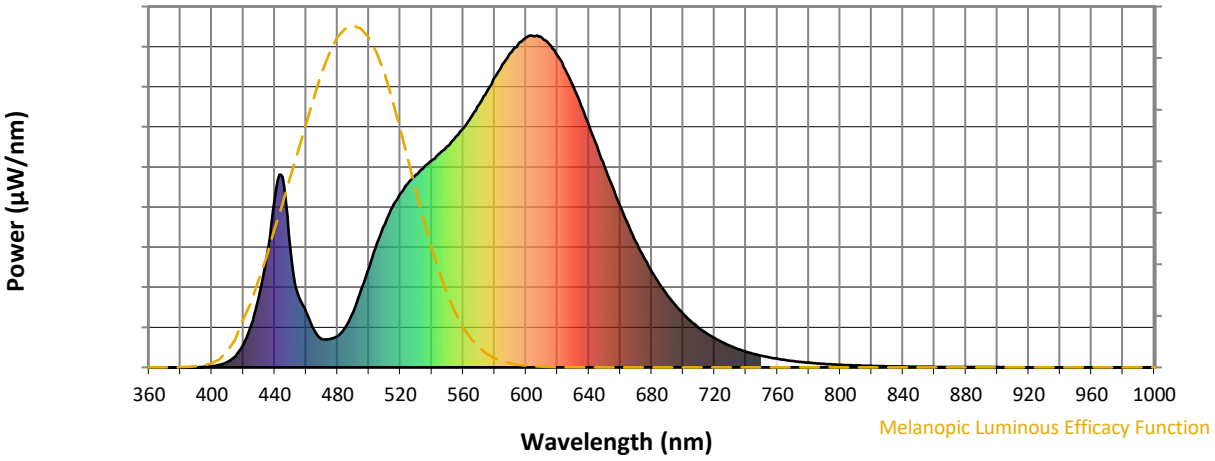
Melanopic Flux vs. Wavelength



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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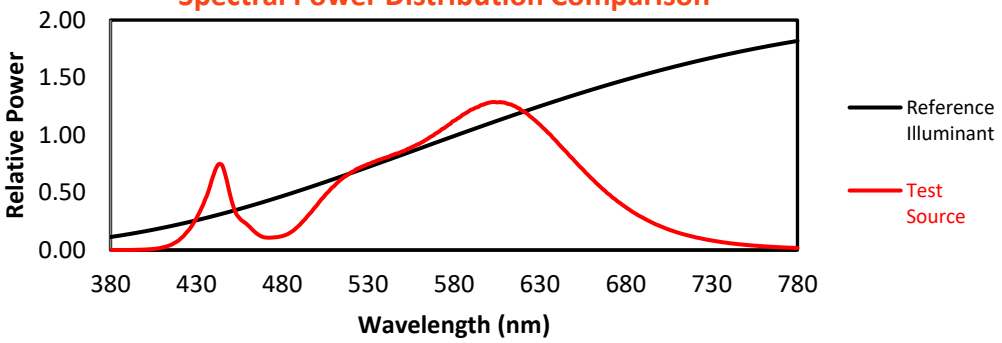
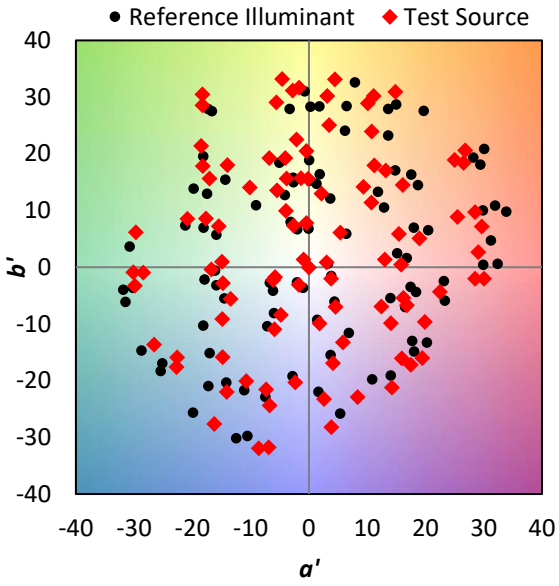
Summary

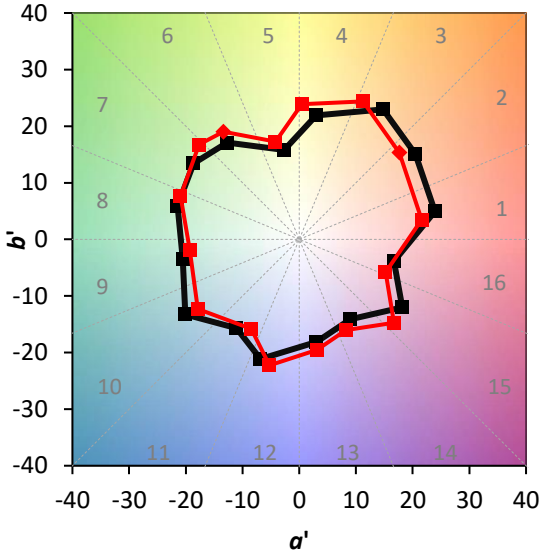
R_f = 81.5
R_g = 99.2
CIE R_a = 81.0
R_9 = 7.1

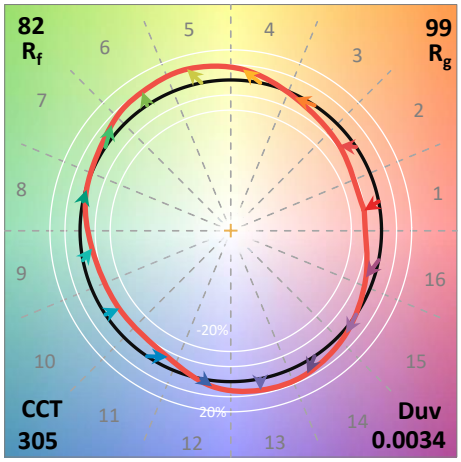
Spectral Power Distribution Comparison

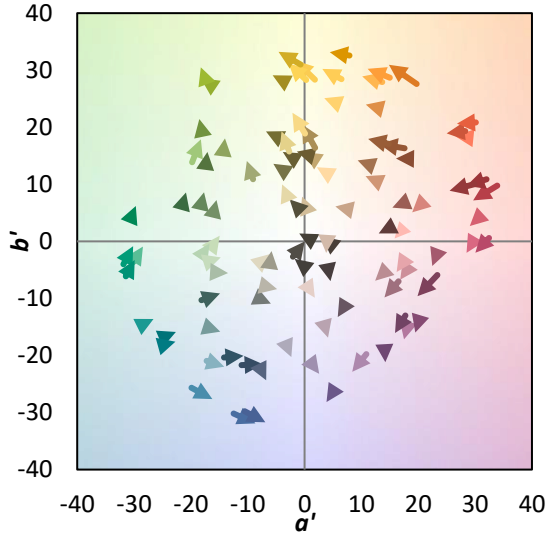


Color Vector Graphics









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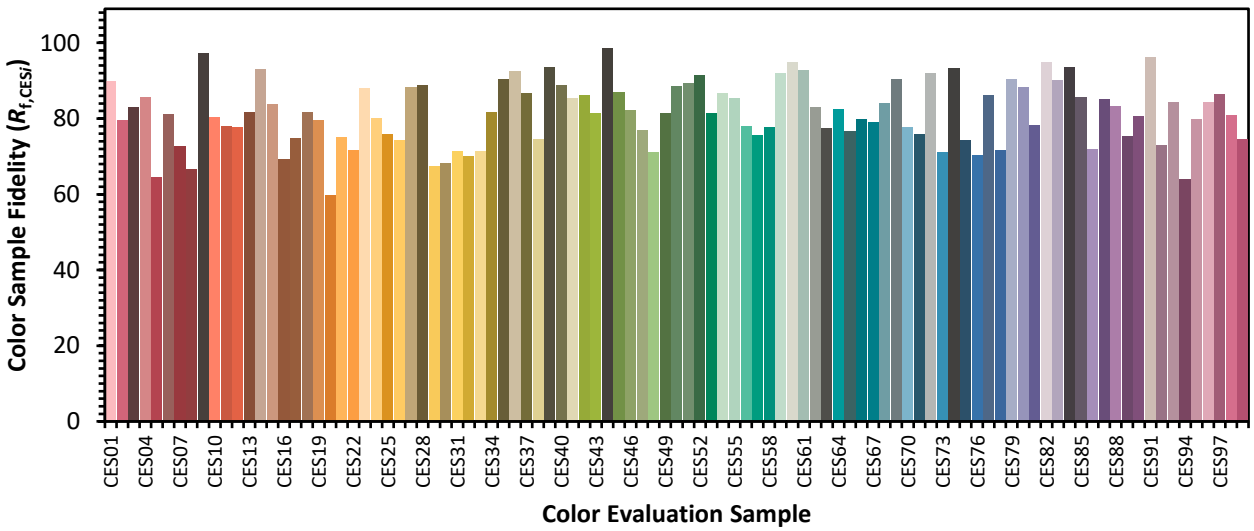
Individual Sample Fidelity Index ($R_{f,i}$)

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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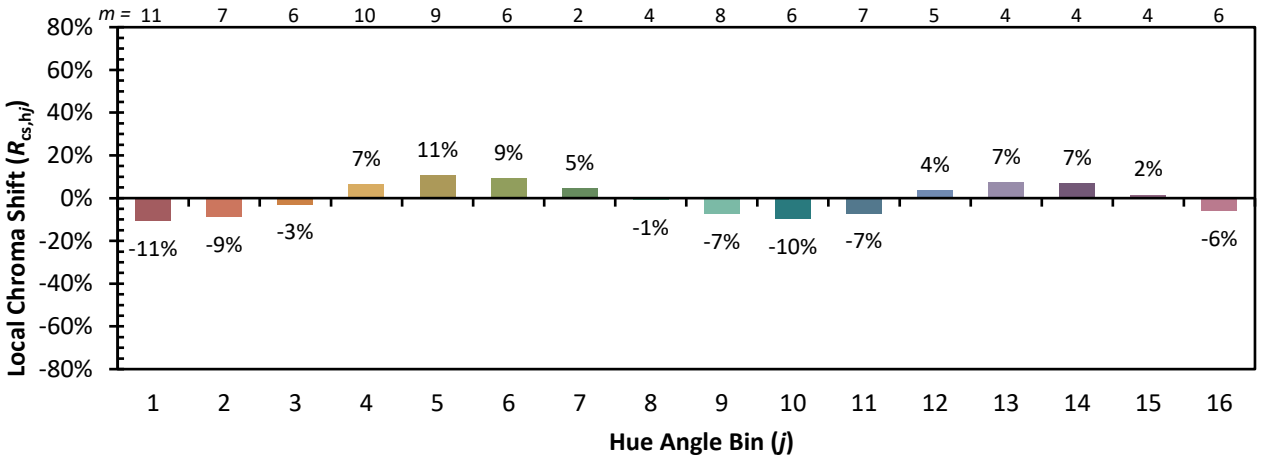
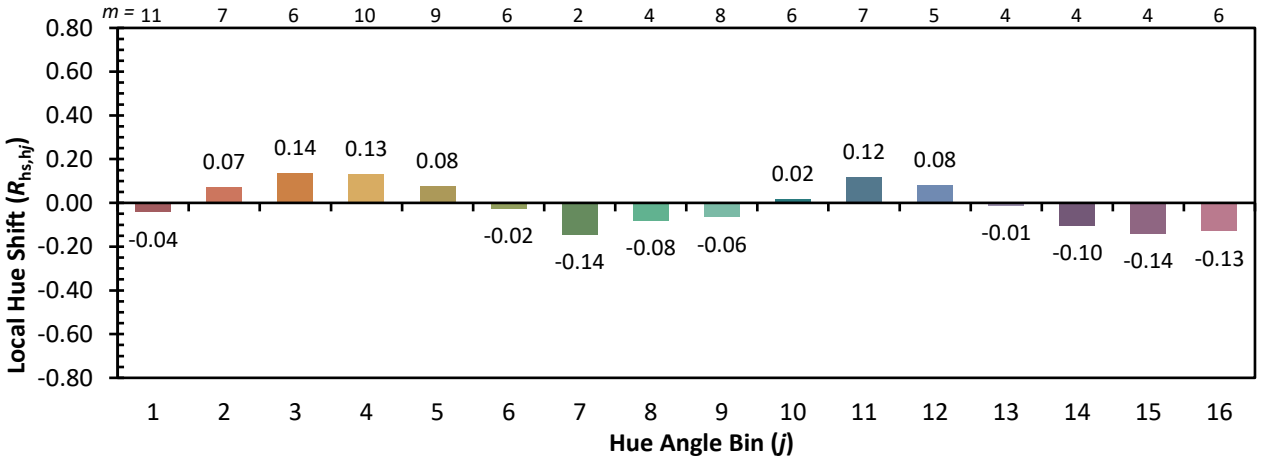
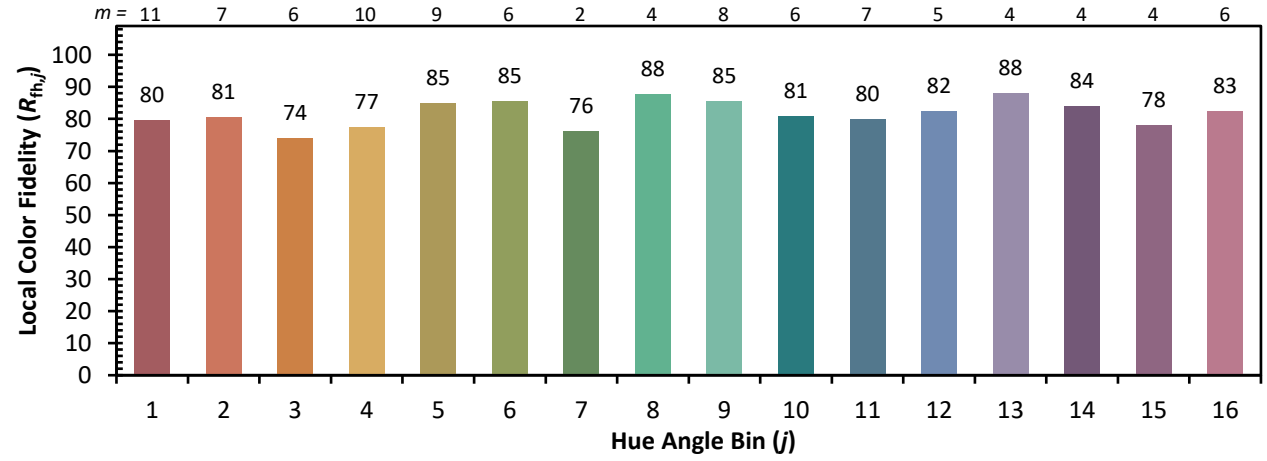
Color Rendition by Hue-Angle Bin







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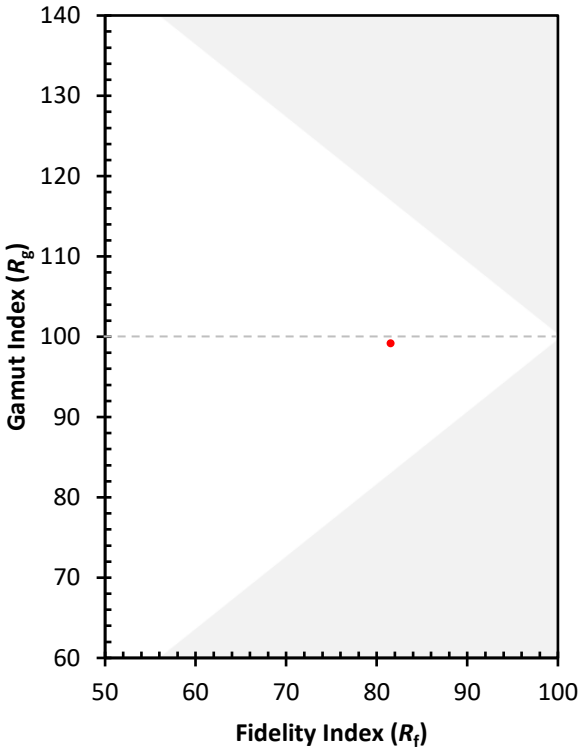
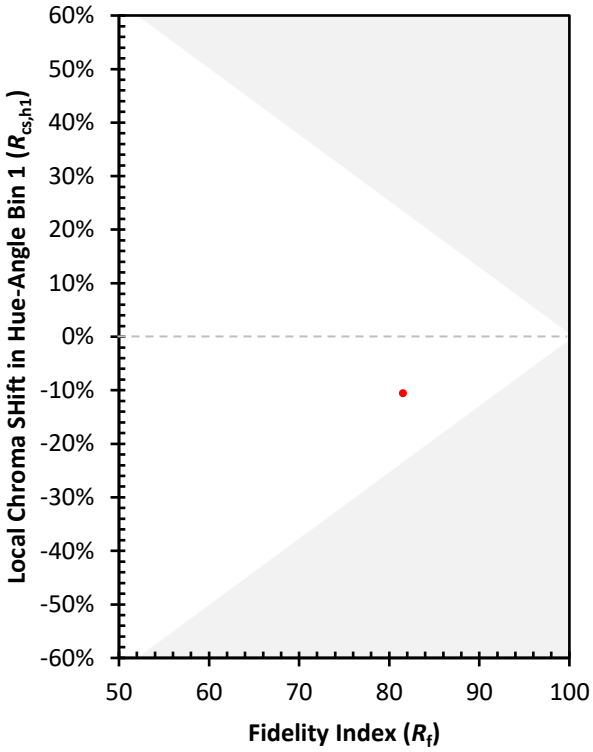
Measure Comparisons





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