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: P385603

Luminaire Tested: **GPC-SA1A-830-U-SL3**

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:	P385603
	TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-22)
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-SL3
Description:	GALLEON PEDESTRIAN LUMINAIRE
	(1) 80 CRI, 3000K, 615mA LIGHTSQUARE WITH 16 LEDS AND TYPE III SPILL LIGHT ELIMINATOR OPTICS
Light Source:	-
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	3954 lumens
Efficiency:	N/A
Efficacy:	116.3 lumens/watt
Luminous Opening:	Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification:	Type III - Medium
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: P385603
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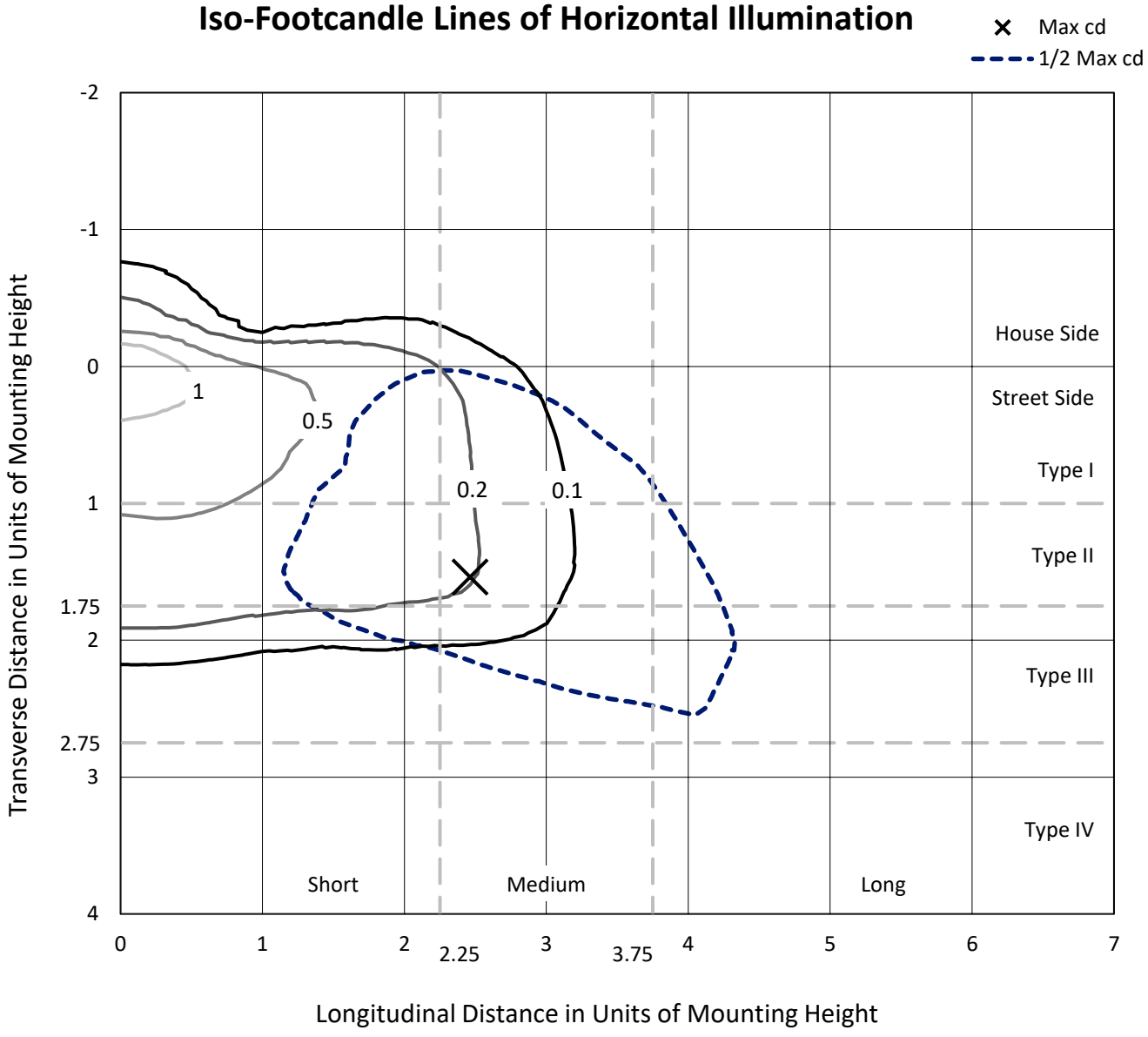
Iso-Footcandle Lines of Horizontal Illumination



Based on 25 foot mounting height. Maximum calculated value = 1.8 fc
Type III - Medium - N/A

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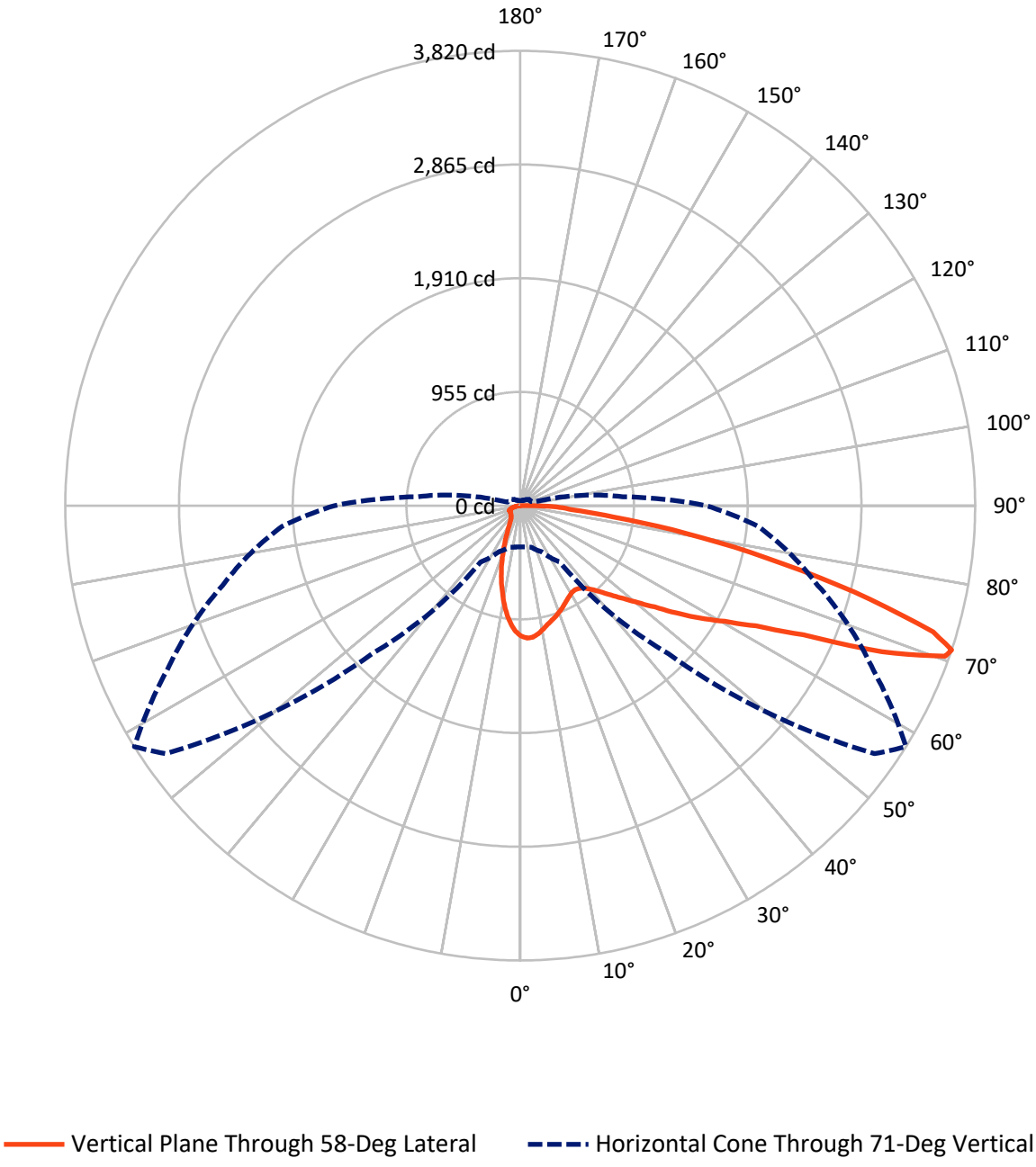
Luminous Intensity Polar Plot



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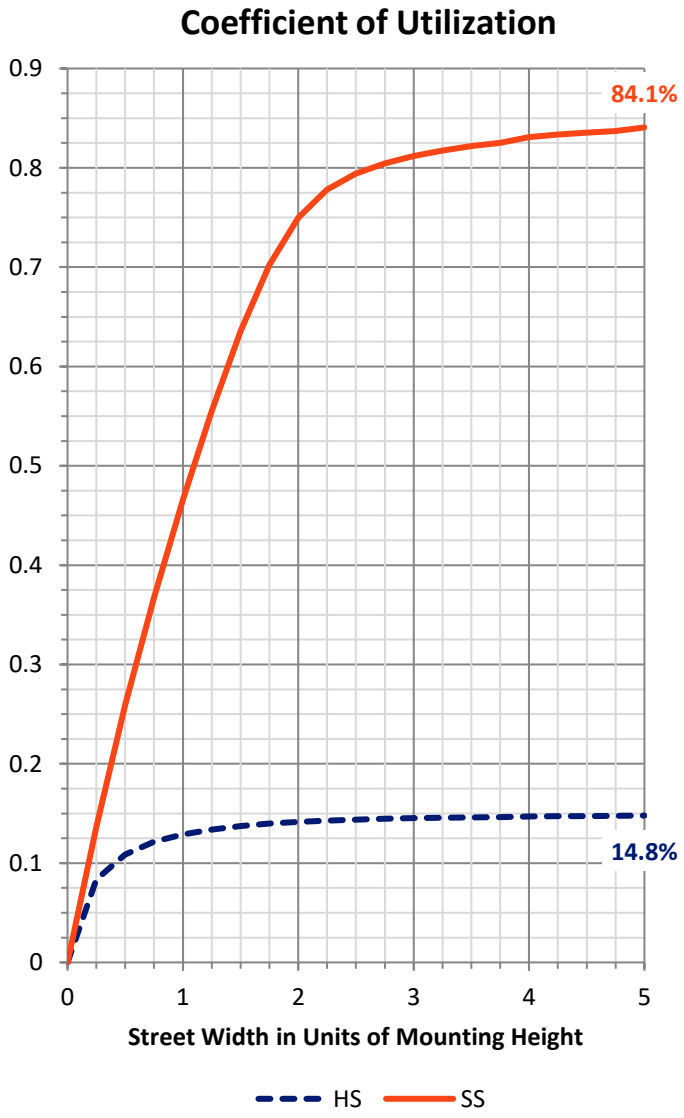
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	591.2	0.0	591.2
	% Fixture	15.0	0.0	15.0
Street Side	Lumens	3362.8	0.0	3362.8
	% Fixture	85.0	0.0	85.0
Total	Lumens	3954.0	0.0	3954.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	94.5	2.4
10°-20°	210.2	5.3
20°-30°	267.1	6.8
30°-40°	340.2	8.6
40°-50°	482.4	12.2
50°-60°	746.6	18.9
60°-70°	1016.4	25.7
70°-80°	678.1	17.1
80°-90°	118.6	3.0
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°	3954.0	100.0
0°-180°	3954.0	100.0



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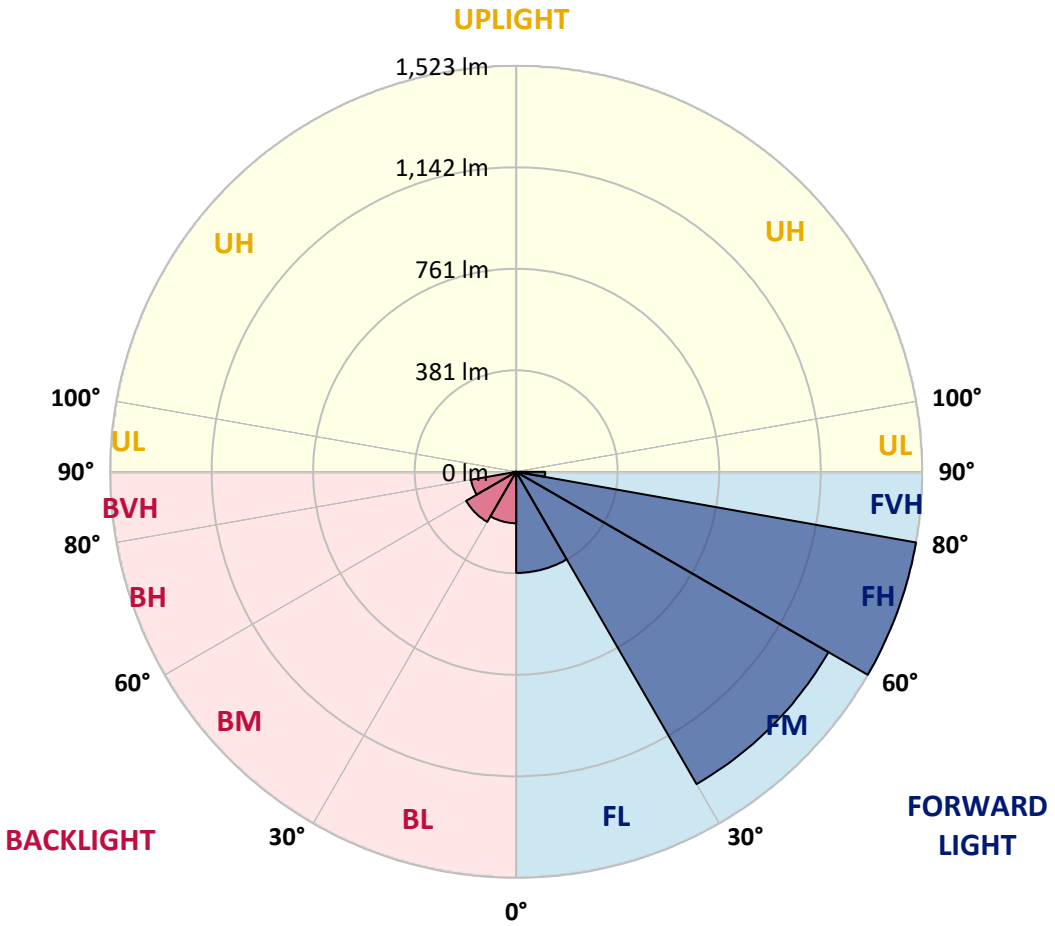
CATALOG NUMBER: GPC-SA1A-830-U-SL3

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	379.1	9.6			
FM	(30°-60°)	1352.5	34.2			
FH	(60°-80°)	1522.6	38.5			G1/1800
FVH	(80°-90°)	108.7	2.7			G2/225
BL	(0°-30°)	192.7	4.9	B1/500		
BM	(30°-60°)	216.8	5.5	B0/220		
BH	(60°-80°)	171.8	4.3	B1/500		G1/500
BVH	(80°-90°)	9.9	0.2			G0/10
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G2
Type III Medium



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Scaled Data Report

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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	58°	65°	75°	85°
0°	1095.5	1095.5	1095.5	1095.5	1095.5	1095.5	1095.5	*1095.5*	1095.5	1095.5	1095.5
2.5°	1124.6	1123.1	1123.6	1122.5	1119.9	1117.3	1113.4	*1114.1*	1108.7	1100.8	1090.8
5°	1103.4	1102.8	1107.0	1109.3	1111.2	1109.7	1108.6	*1110.0*	1102.1	1091.1	1073.9
7.5°	1058.9	1052.8	1058.1	1065.9	1073.3	1079.0	1086.4	*1087.4*	1082.4	1070.9	1048.3
10°	995.7	989.9	997.6	1009.9	1024.7	1038.2	1053.2	*1056.0*	1057.0	1046.5	1019.1
12.5°	930.1	925.7	933.4	950.6	975.3	996.1	1020.0	*1024.2*	1032.7	1025.7	992.1
15°	871.4	869.8	879.1	896.1	924.5	956.3	990.8	*998.4*	1012.9	1010.5	971.0
17.5°	820.7	820.3	827.5	845.3	876.7	916.9	961.8	*974.6*	996.1	998.8	953.7
20°	783.0	782.2	787.1	800.2	832.6	878.2	930.4	*948.0*	979.0	988.6	935.8
22.5°	762.8	762.6	762.8	769.0	795.4	837.8	899.8	*921.3*	962.3	980.5	915.9
25°	759.3	758.9	755.9	755.2	770.2	804.1	869.5	*893.2*	946.5	974.9	897.1
27.5°	768.3	768.8	764.8	758.4	761.4	781.9	843.2	*868.5*	933.8	973.8	884.0
30°	786.9	786.6	783.1	776.4	770.5	773.6	824.5	*849.8*	925.3	978.6	875.0
32.5°	807.4	808.9	808.2	804.5	795.7	783.0	818.8	*843.6*	922.8	990.2	871.2
35°	832.0	833.7	838.7	841.5	831.2	810.8	830.9	*852.4*	930.0	1011.9	877.4
37.5°	855.5	859.7	873.6	885.9	877.1	854.4	863.2	*878.5*	952.1	1046.2	894.0
40°	882.5	886.2	908.9	934.9	933.5	910.0	915.1	*925.3*	991.3	1095.4	924.2
42.5°	909.0	916.5	949.4	986.3	996.9	976.1	984.2	*989.6*	1046.4	1160.5	976.8
45°	944.4	952.4	998.1	1042.6	1067.4	1055.7	1068.7	*1070.7*	1115.6	1249.2	1053.2
47.5°	998.0	1007.1	1060.4	1107.1	1145.0	1146.2	1167.6	*1166.7*	1202.1	1350.7	1149.5
50°	1081.5	1094.6	1138.2	1181.9	1227.9	1253.5	1282.0	*1278.0*	1305.8	1458.9	1260.4
52.5°	1190.8	1196.9	1229.3	1261.5	1318.6	1376.1	1417.0	*1413.4*	1423.5	1570.0	1386.3
55°	1304.2	1308.7	1322.1	1339.7	1416.6	1510.2	1596.7	*1591.1*	1565.6	1685.4	1510.6
57.5°	1406.1	1415.3	1424.6	1431.9	1515.2	1650.4	1780.6	*1781.0*	1719.9	1809.9	1639.2
60°	1421.9	1430.1	1491.1	1548.7	1683.9	1837.5	1977.4	*1973.3*	1879.5	1945.1	1782.4
62.5°	1256.9	1275.3	1377.2	1530.3	1846.4	2179.6	2228.5	*2223.4*	2070.4	2111.6	1949.2
65°	900.8	921.6	1044.6	1274.7	1767.7	2556.6	2681.6	*2613.1*	2330.7	2316.4	2144.5
67.5°	519.7	524.6	577.9	762.8	1345.9	2576.3	3372.9	*3276.9*	2734.9	2548.7	2240.1
70°	384.3	384.1	396.8	469.4	728.3	2102.6	3701.7	*3787.8*	3160.5	2625.2	2105.0
71°	*347.5*	*347.9*	*362.1*	*427.2*	*576.8*	*1759.9*	*3631.9*	*3820.3*	*3272.7*	*2587.4*	*2007.2*
72.5°	297.2	298.6	318.3	383.2	485.2	1213.7	3331.1	*3625.3*	3325.8	2494.3	1854.2
75°	225.5	228.6	255.9	323.0	443.5	615.5	2444.7	*2894.9*	2954.5	2201.0	1377.7
77.5°	160.9	164.5	195.3	271.6	421.6	463.9	1637.2	*2111.6*	2174.2	1410.5	621.4
80°	101.6	105.9	129.2	216.1	396.1	440.5	1028.9	*1419.3*	1185.6	451.3	158.1
82.5°	59.6	62.9	80.2	141.2	323.5	424.2	605.3	*786.7*	461.4	136.4	71.9
85°	34.6	36.1	50.0	89.9	235.0	400.4	444.7	*439.8*	200.3	66.7	34.0
87.5°	16.1	17.9	29.6	47.0	130.4	290.2	351.5	*303.7*	124.5	31.3	16.0
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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Scaled Data Report

REPORT NUMBER: P385603
CATALOG NUMBER: GPC-SA1A-830-U-SL3

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1095.5	1095.5	1095.5	1095.5	1095.5	1095.5	1095.5	1095.5	1095.5	1095.5	1095.5
2.5°	1086.0	1083.7	1073.9	1065.2	1056.1	1044.3	1031.2	1029.5	1021.6	1023.1	1020.3
5°	1064.5	1058.6	1035.1	1013.7	988.5	965.9	941.4	930.1	913.9	912.8	908.6
7.5°	1033.8	1022.8	986.3	945.8	905.3	866.7	828.6	803.5	777.9	767.0	766.1
10°	999.2	980.5	926.8	866.9	808.5	752.2	697.6	657.3	620.9	603.7	603.0
12.5°	966.5	938.8	865.1	783.6	703.7	630.7	555.9	502.9	457.3	442.0	435.5
15°	938.6	899.7	805.0	700.8	603.8	502.4	417.3	361.5	319.4	304.8	302.0
17.5°	911.6	861.5	743.5	617.2	500.0	388.5	303.3	261.8	239.4	233.5	233.3
20°	884.8	822.3	679.2	531.6	399.6	290.6	233.2	214.6	207.0	206.3	205.2
22.5°	854.4	780.7	611.5	445.8	311.8	228.5	198.2	190.8	189.8	192.3	192.3
25°	825.8	739.3	542.9	361.8	242.5	190.6	177.0	175.5	178.1	182.5	182.9
27.5°	799.3	699.5	476.0	287.2	194.3	167.9	162.2	164.0	168.7	173.8	174.0
30°	777.4	661.9	411.0	226.3	164.2	151.0	150.0	153.6	158.7	162.7	163.6
32.5°	760.4	629.8	348.2	181.9	144.5	138.3	139.1	142.1	145.3	147.5	149.0
35°	752.6	602.3	290.2	153.4	131.9	128.5	129.6	131.3	132.6	134.3	135.5
37.5°	753.9	581.0	238.4	135.7	123.5	121.8	121.8	121.8	121.8	122.6	122.7
40°	766.8	568.7	196.3	124.4	117.9	116.0	114.5	113.1	112.0	112.5	112.3
42.5°	799.5	567.6	165.4	117.2	113.4	110.2	107.2	105.2	103.9	104.4	104.7
45°	855.2	581.4	144.6	112.1	109.1	104.3	100.4	98.3	97.4	99.2	99.4
47.5°	927.2	611.4	131.9	108.4	105.1	98.8	94.6	92.7	93.0	95.6	96.3
50°	1020.0	660.2	125.9	106.1	102.3	94.1	89.8	88.1	89.0	92.7	93.5
52.5°	1122.0	730.4	126.6	105.4	100.5	90.6	86.1	84.2	85.5	89.0	89.7
55°	1239.6	814.8	138.0	106.3	97.9	88.4	83.1	79.7	80.8	84.0	84.6
57.5°	1370.3	911.5	161.0	106.1	94.6	86.4	79.9	74.9	75.8	77.7	78.2
60°	1506.4	1028.3	196.7	106.9	93.1	83.9	75.6	69.4	69.1	70.8	71.1
62.5°	1669.7	1163.4	237.5	107.4	94.1	80.7	70.0	63.9	63.1	63.5	63.8
65°	1838.0	1261.2	222.2	105.2	97.1	78.1	65.0	58.5	57.0	56.7	56.9
67.5°	1843.3	1156.4	155.8	100.8	98.3	76.7	61.3	54.0	51.5	50.5	50.4
70°	1653.1	939.5	121.3	96.1	93.4	74.5	57.8	50.3	46.6	45.0	44.9
71°	*1560.2*	*864.8*	*115.0*	*93.8*	*89.7*	*72.3*	*56.3*	*48.6*	*44.8*	*43.1*	*42.8*
72.5°	1414.6	775.3	107.3	90.1	82.5	66.7	53.4	46.3	42.3	40.4	39.9
75°	1015.2	507.0	92.1	80.3	68.3	53.2	46.8	41.6	38.2	35.8	35.5
77.5°	391.2	201.8	69.7	66.8	52.3	41.6	38.6	35.9	33.5	31.1	31.0
80°	120.9	90.2	50.8	50.3	37.9	31.0	30.0	29.3	28.4	25.9	25.3
82.5°	64.6	51.8	35.0	32.5	24.8	20.7	21.8	22.0	22.2	19.6	19.3
85°	30.9	27.4	19.7	18.5	14.5	11.6	13.4	14.5	14.6	12.0	11.2
87.5°	14.7	14.3	9.2	7.0	5.4	3.9	4.7	5.8	6.3	4.5	4.0
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

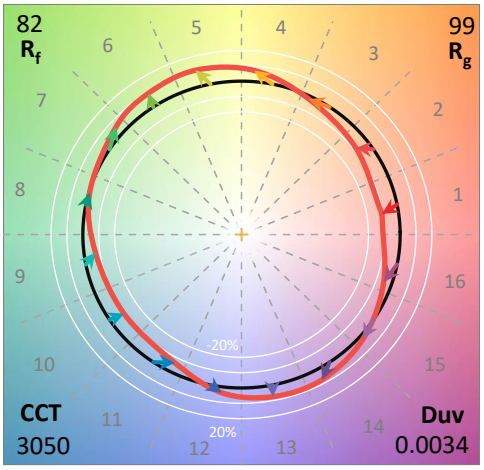
Test Information

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

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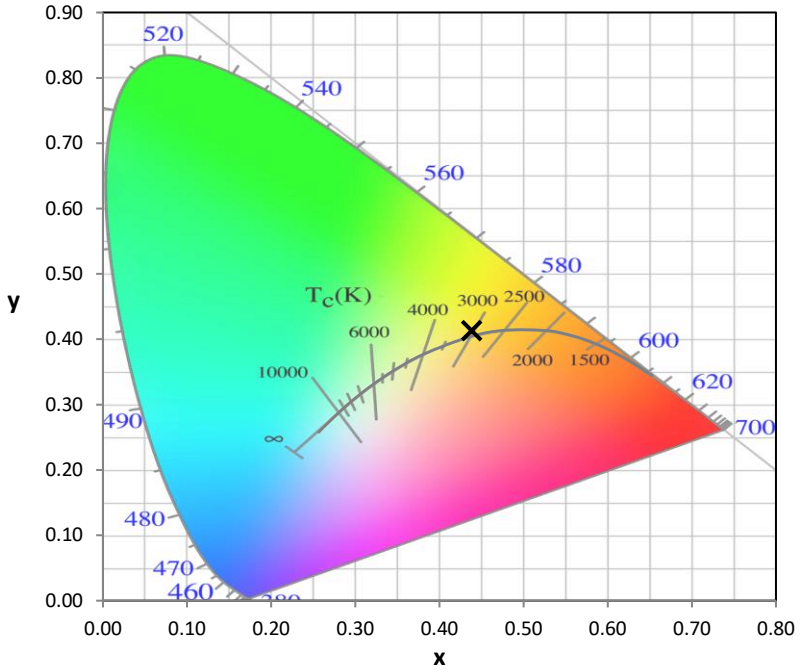
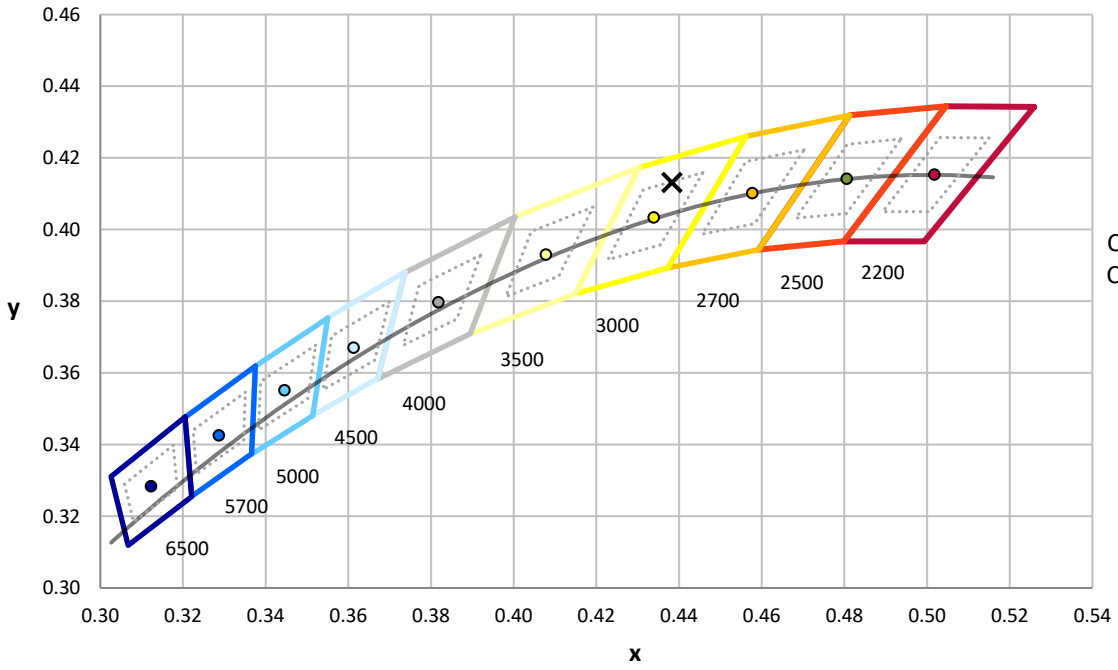
CIE 1931 Chromaticity Diagram



CIE 1931 Chromaticity Diagram with 2017 ANSI 7-Step and 4-Step Quadrangles

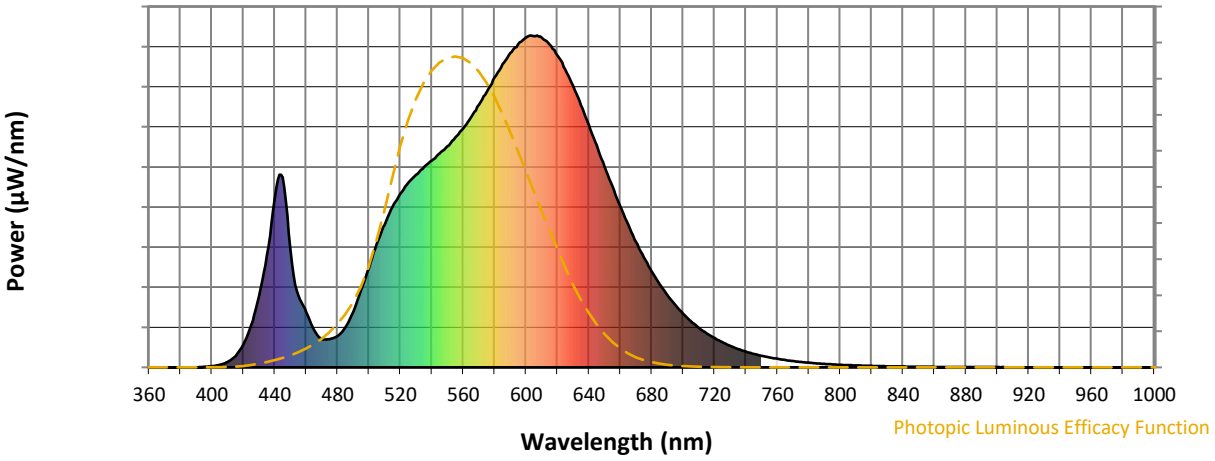


CCT = 3050K
CIE x = 0.4383
CIE y = 0.4131
Duv = 0.0034

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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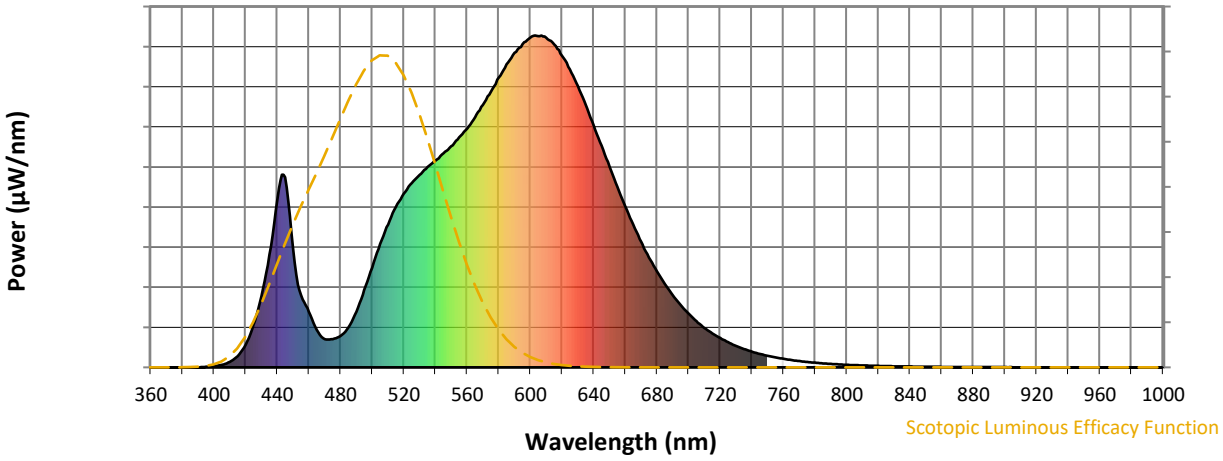
Scotopic Flux vs. Wavelength



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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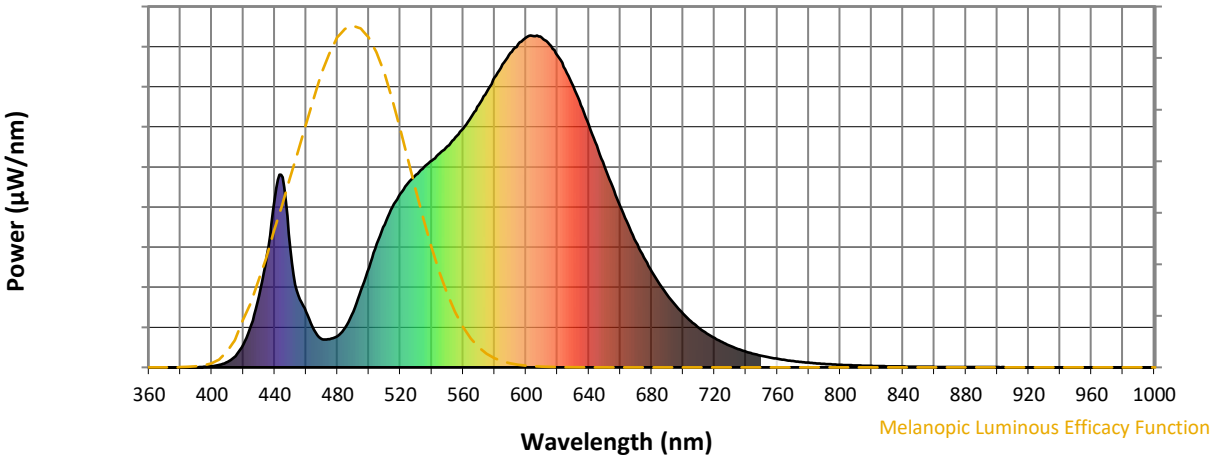
Melanopic Flux vs. Wavelength



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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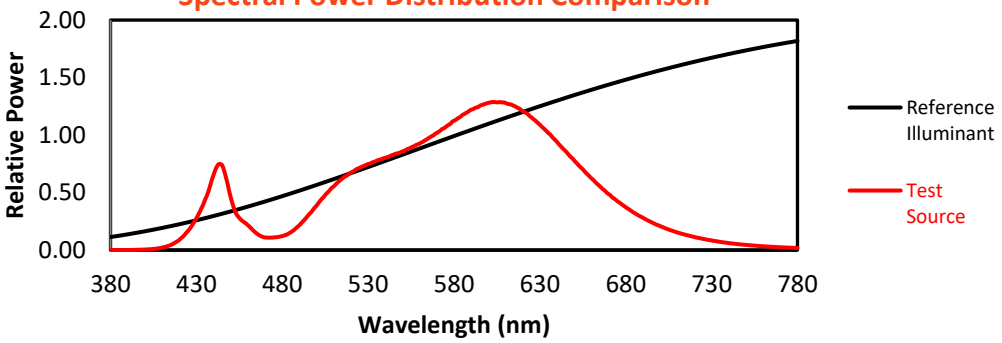
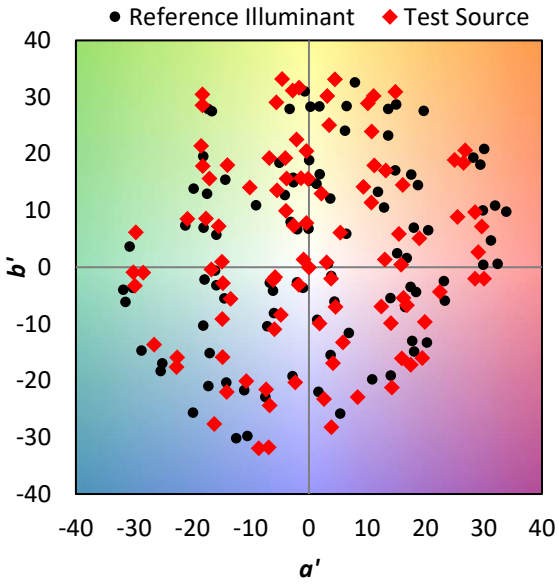
Summary

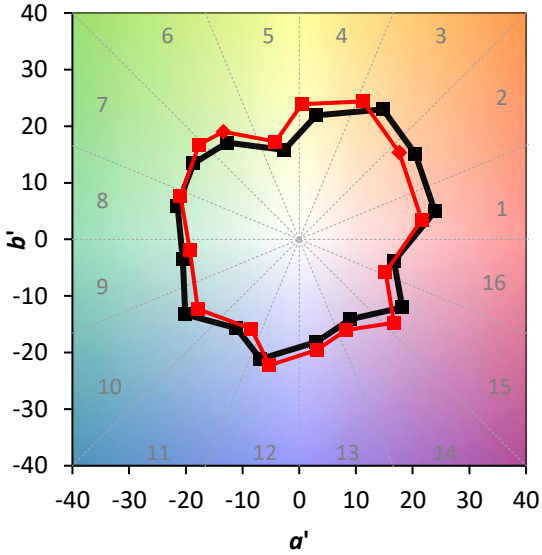
R_f = 81.5
R_g = 99.2
CIE R_a = 81.0
R_9 = 7.1

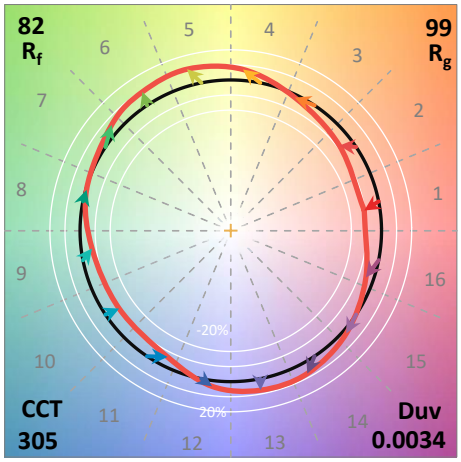
Spectral Power Distribution Comparison

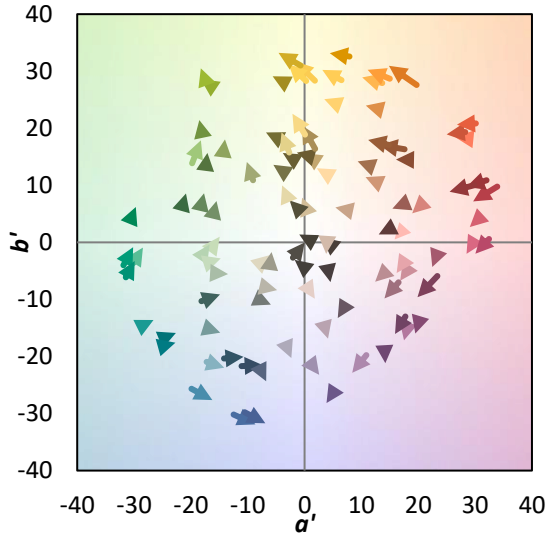


Color Vector Graphics









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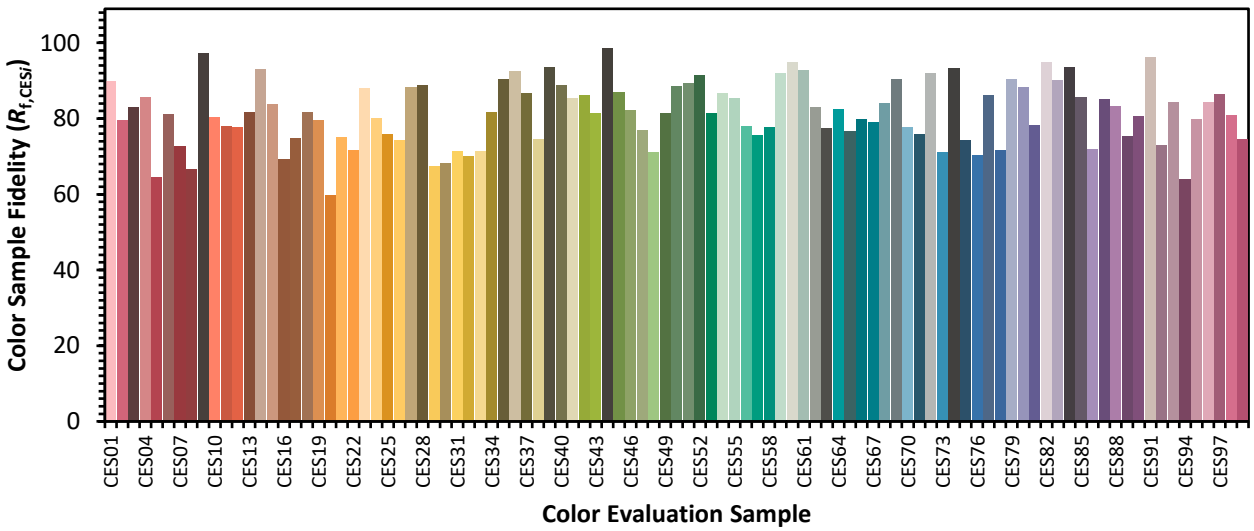
Individual Sample Fidelity Index ($R_{f,i}$)

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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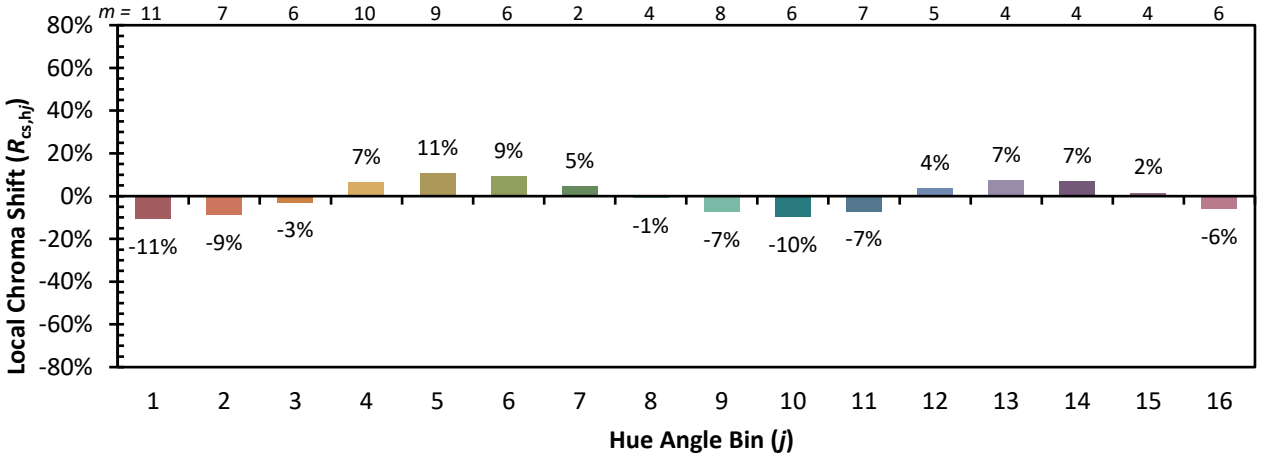
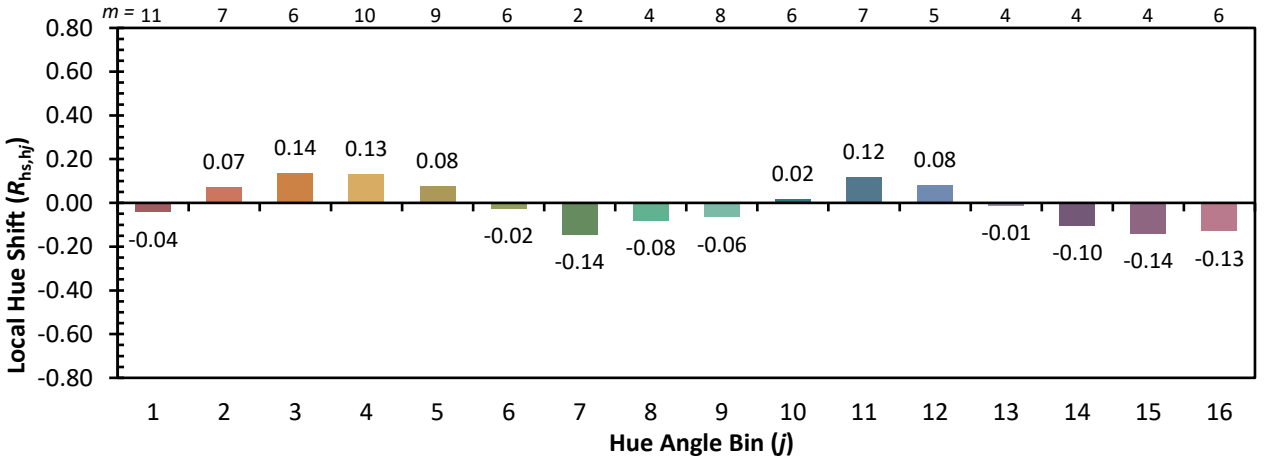
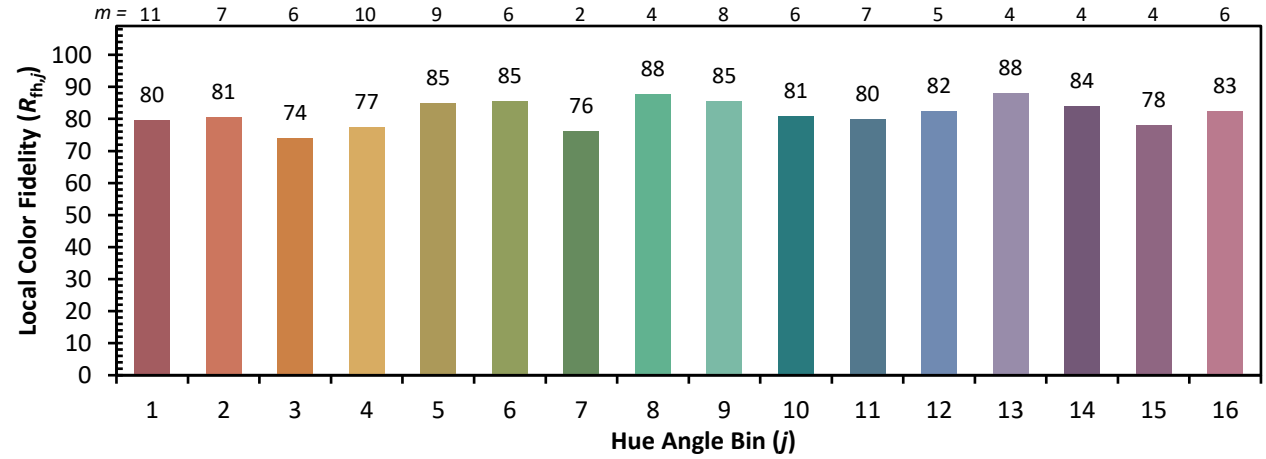
Color Rendition by Hue-Angle Bin







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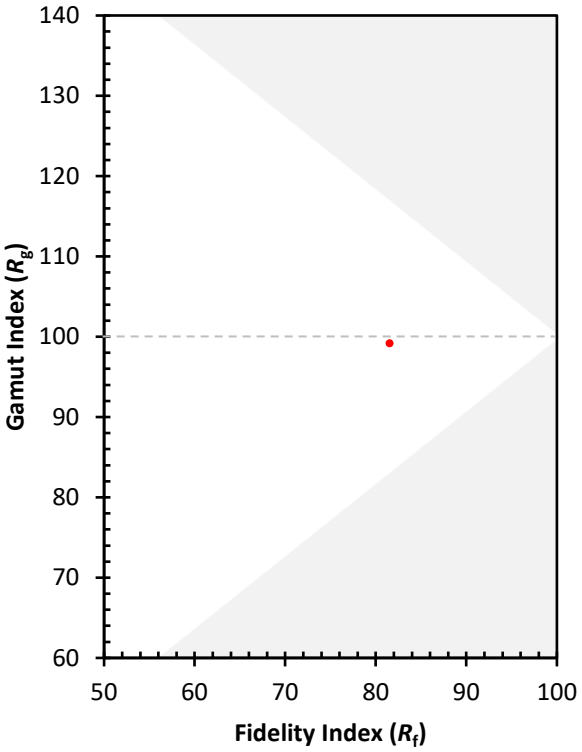
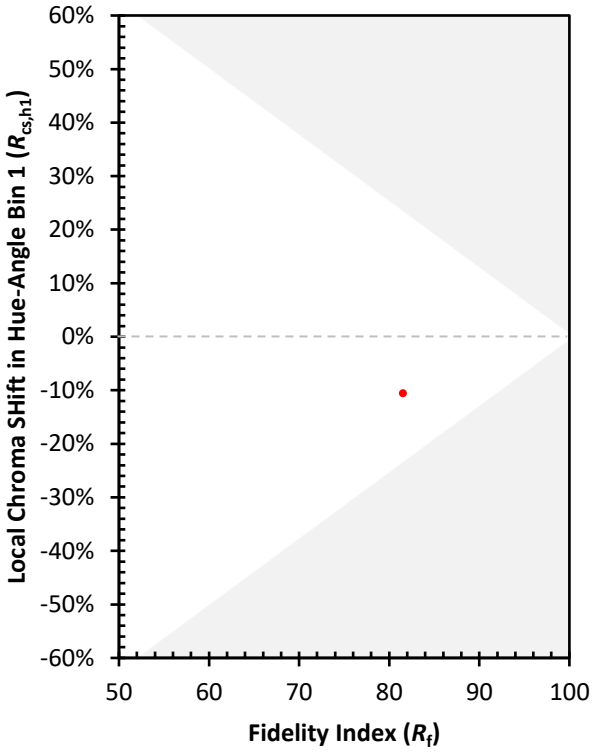
Measure Comparisons





(END OF REPORT)