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: P386053

Luminaire Tested: **GPC-SA1C-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:	P386053
	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-SA1C-830-U-SL4
Description:	GALLEON PEDESTRIAN LUMINAIRE
	(1) 80 CRI, 3000K, 1050mA 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:	5704 lumens
Efficiency:	N/A
Efficacy:	98.3 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):	58
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: P386053
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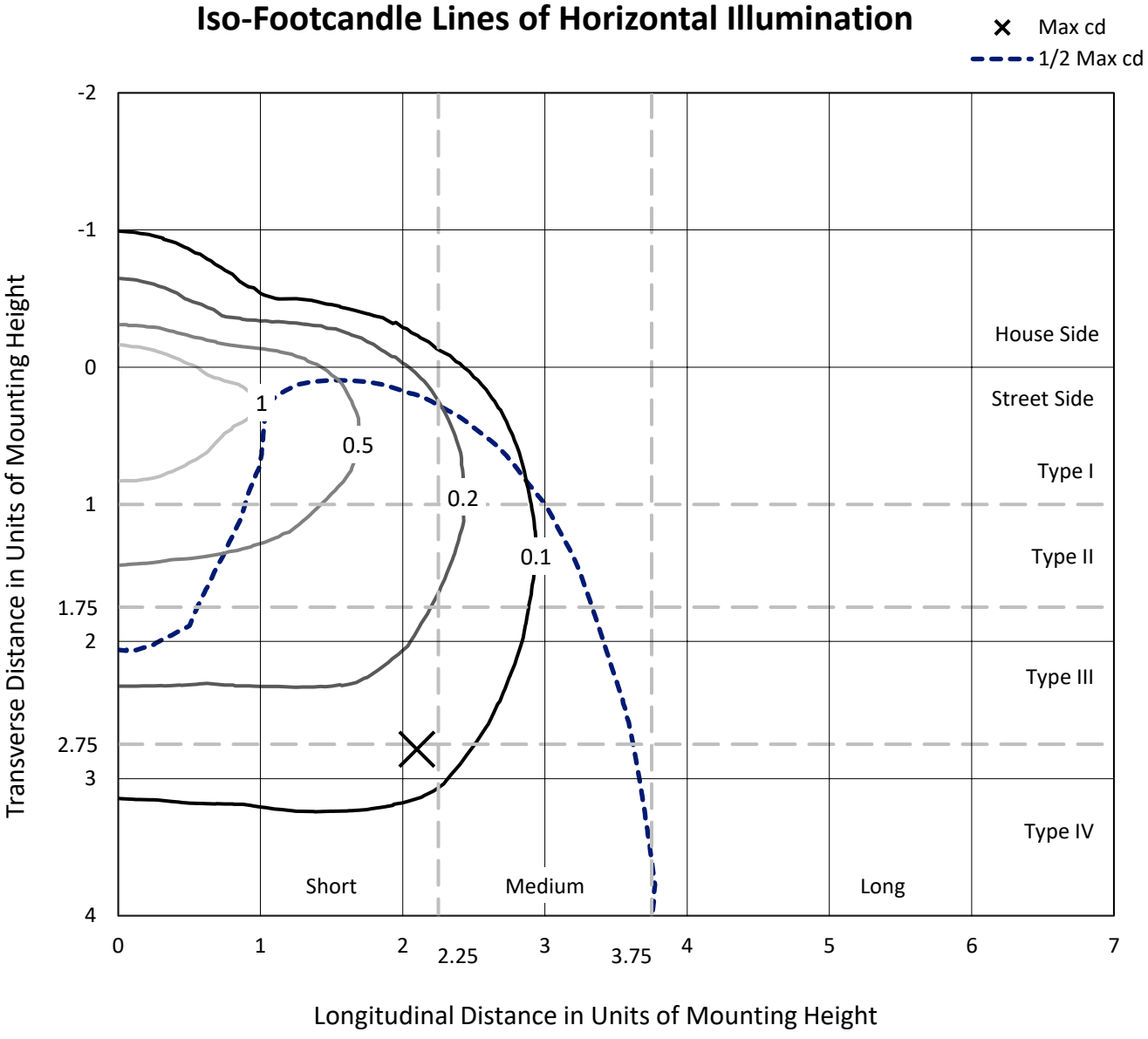
Iso-Footcandle Lines of Horizontal Illumination



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

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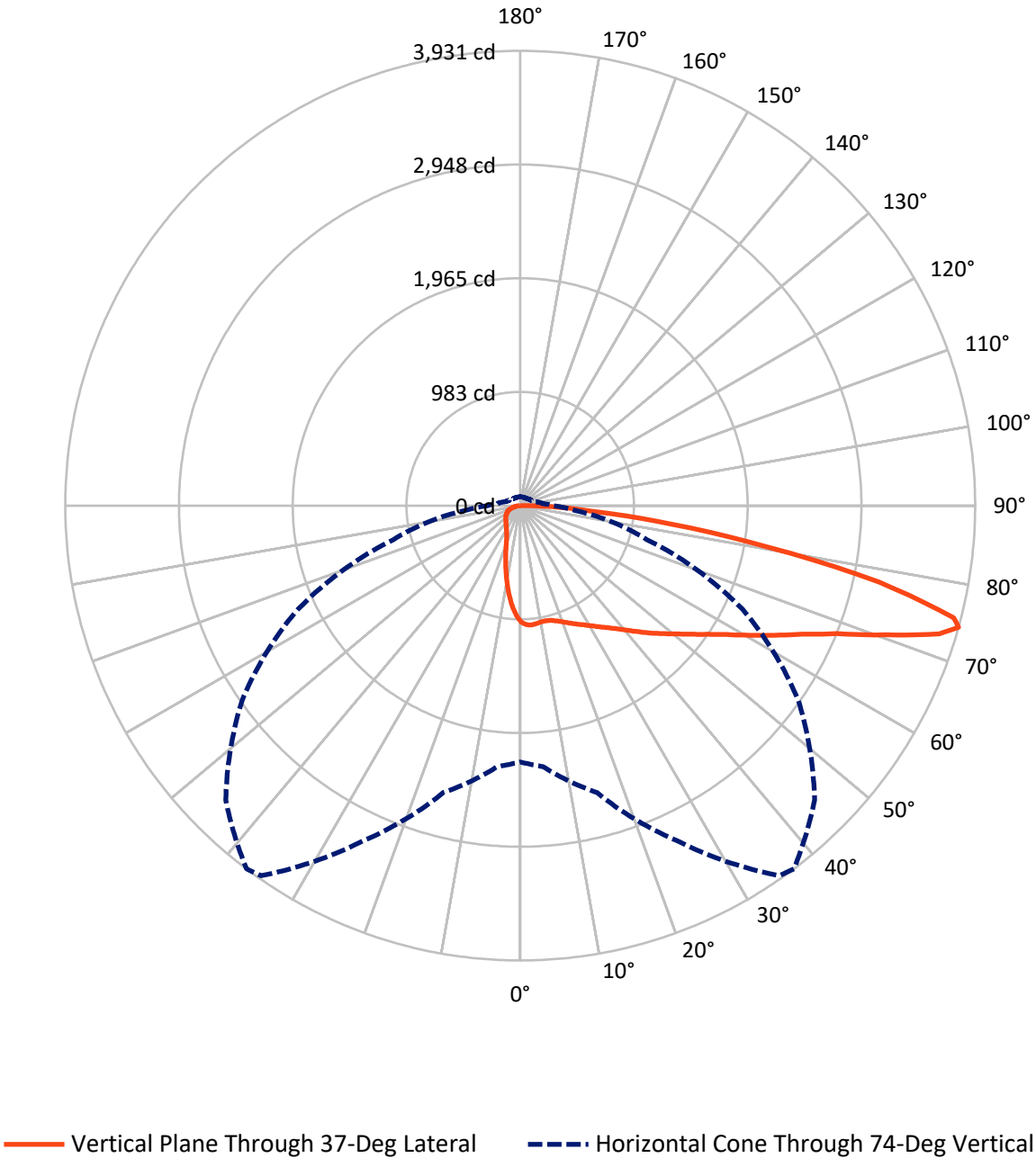
Luminous Intensity Polar Plot



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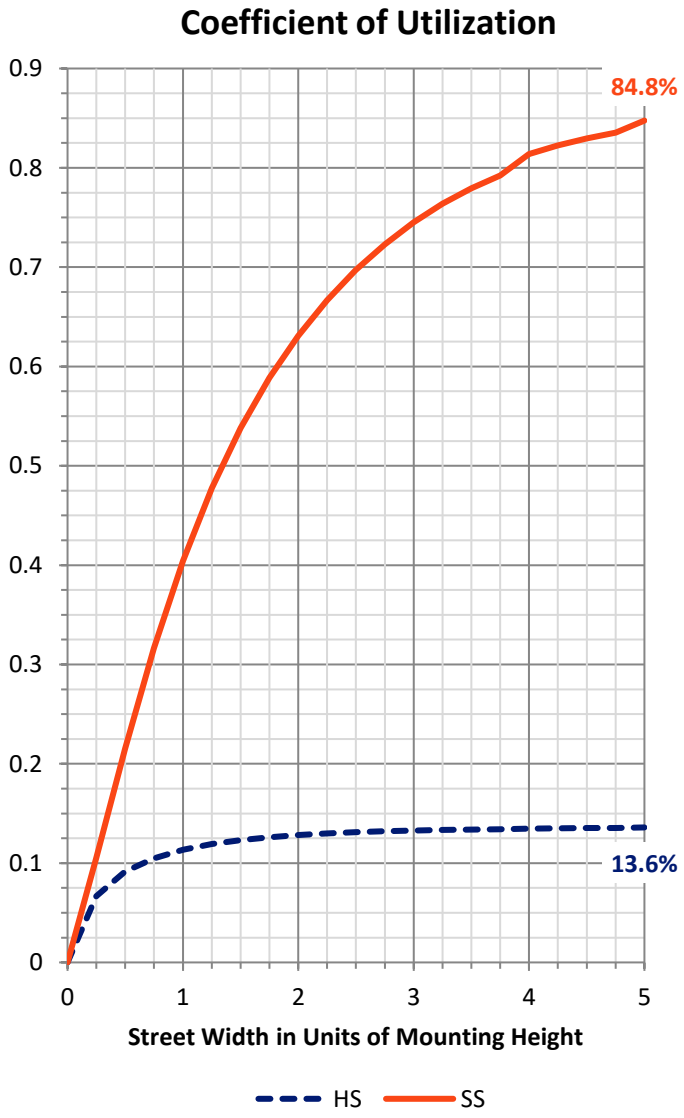
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	784.8	0.0	784.8
	% Fixture	13.8	0.0	13.8
Street Side	Lumens	4919.2	0.0	4919.2
	% Fixture	86.2	0.0	86.2
Total	Lumens	5704.0	0.0	5704.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	88.5	1.6
10°-20°	226.9	4.0
20°-30°	349.5	6.1
30°-40°	508.3	8.9
40°-50°	748.1	13.1
50°-60°	1050.6	18.4
60°-70°	1329.7	23.3
70°-80°	1170.9	20.5
80°-90°	231.5	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°	5704.0	100.0
0°-180°	5704.0	100.0



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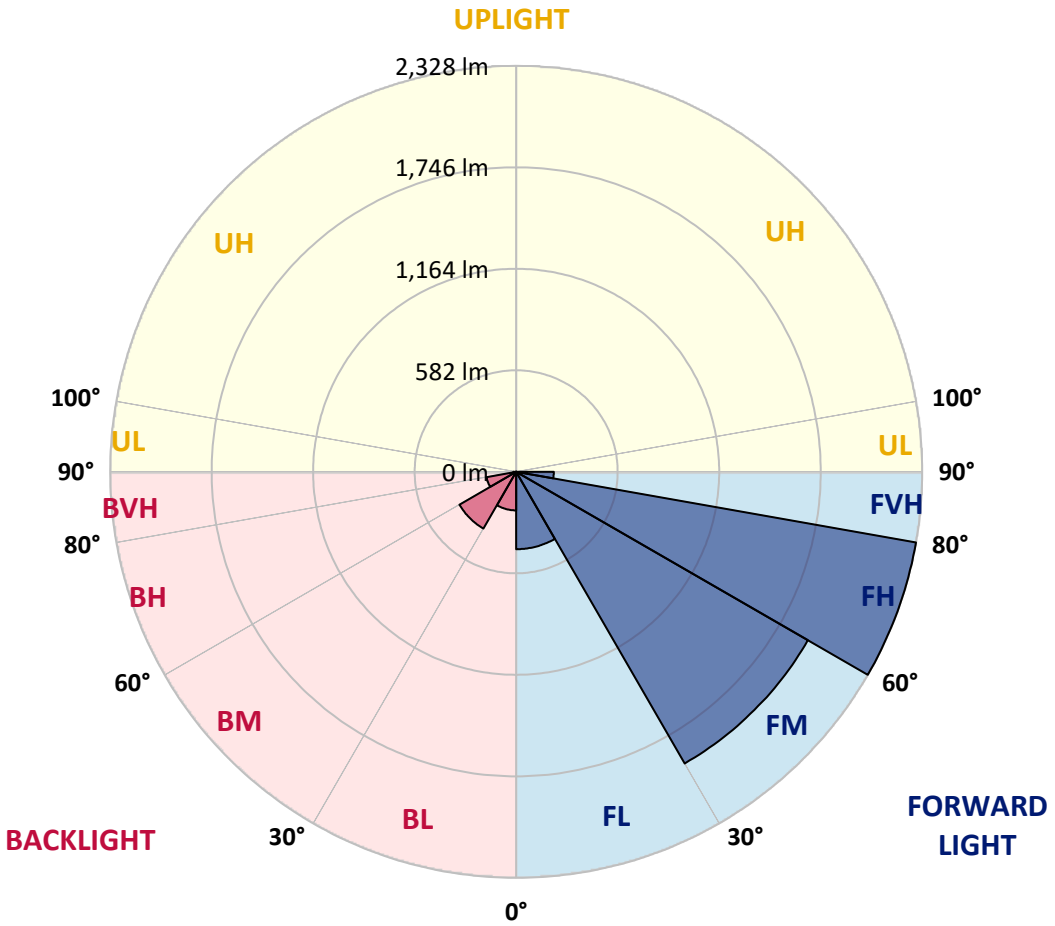
LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	443.8	7.8			
FM	(30°-60°)	1931.4	33.9			
FH	(60°-80°)	2328.1	40.8			G2/5000
FVH	(80°-90°)	215.8	3.8			G2/225
BL	(0°-30°)	221.1	3.9	B1/500		
BM	(30°-60°)	375.6	6.6	B1/1000		
BH	(60°-80°)	172.5	3.0	B1/500		G1/500
BVH	(80°-90°)	15.7	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

REPORT NUMBER: P386053
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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	37°	45°	55°	65°	75°	85°
0°	1005.0	1005.0	1005.0	1005.0	1005.0	*1005.0*	1005.0	1005.0	1005.0	1005.0	1005.0
2.5°	1039.4	1039.6	1039.4	1037.8	1034.0	*1030.7*	1028.1	1024.3	1015.9	1009.4	999.8
5°	1049.2	1048.0	1047.2	1044.2	1038.2	*1034.6*	1029.5	1022.3	1008.4	995.6	979.9
7.5°	1044.6	1043.2	1041.4	1037.8	1030.9	*1027.9*	1020.9	1011.5	994.8	977.9	955.4
10°	1030.3	1029.9	1029.1	1028.3	1022.5	*1020.1*	1013.7	1003.6	987.1	966.6	940.3
12.5°	1014.5	1015.5	1018.7	1022.9	1020.3	*1019.1*	1015.1	1008.2	991.4	969.3	937.5
15°	1004.4	1007.2	1015.9	1026.9	1029.1	*1028.7*	1027.7	1023.3	1005.4	980.9	943.9
17.5°	1001.0	1005.6	1022.1	1040.4	1046.8	*1048.2*	1048.6	1041.0	1021.1	995.2	950.6
20°	1007.2	1013.1	1037.2	1062.3	1072.5	*1073.3*	1071.5	1058.3	1036.0	1007.4	954.2
22.5°	1026.1	1031.3	1061.5	1089.8	1101.5	*1102.7*	1097.2	1077.2	1051.6	1021.9	959.2
25°	1062.5	1068.9	1099.1	1127.4	1133.4	*1133.6*	1125.8	1100.9	1072.1	1042.2	970.1
27.5°	1109.9	1116.3	1143.5	1171.2	1168.0	*1166.2*	1155.5	1130.6	1098.9	1070.1	989.4
30°	1162.7	1169.8	1195.5	1215.2	1207.6	*1203.9*	1195.3	1163.2	1136.0	1108.3	1018.9
32.5°	1217.4	1223.8	1246.3	1259.8	1250.2	*1248.5*	1235.5	1206.1	1184.4	1166.6	1066.7
35°	1273.5	1278.1	1300.2	1307.8	1295.0	*1294.6*	1290.9	1264.0	1250.4	1258.8	1136.2
37.5°	1330.7	1331.9	1350.8	1351.2	1347.4	*1349.0*	1352.8	1335.9	1339.8	1366.1	1226.6
40°	1381.8	1385.0	1398.6	1402.9	1409.5	*1415.1*	1434.2	1423.1	1452.7	1499.3	1339.2
42.5°	1419.5	1425.8	1447.7	1458.5	1480.0	*1488.8*	1515.8	1526.0	1585.5	1655.4	1473.0
45°	1451.5	1461.1	1496.3	1518.6	1555.0	*1570.4*	1609.0	1643.4	1735.6	1824.8	1613.8
47.5°	1486.0	1498.3	1542.3	1584.9	1634.3	*1651.8*	1721.9	1773.4	1895.7	1995.2	1746.6
50°	1536.9	1546.3	1589.3	1656.2	1717.9	*1740.4*	1837.5	1911.2	2058.5	2157.5	1861.8
52.5°	1607.8	1604.2	1640.5	1734.4	1817.2	*1844.9*	1960.8	2057.9	2223.4	2304.4	1959.0
55°	1679.1	1673.1	1698.6	1816.2	1932.9	*1962.0*	2096.6	2205.1	2380.3	2436.6	2033.6
57.5°	1758.5	1747.0	1768.5	1908.4	2064.7	*2099.5*	2248.7	2361.7	2534.7	2543.5	2081.0
60°	1840.3	1824.8	1848.9	2022.7	2232.1	*2273.1*	2426.8	2514.4	2680.1	2629.1	2096.2
62.5°	1911.8	1900.9	1938.1	2150.3	2420.7	*2465.7*	2601.6	2676.7	2823.6	2664.7	2041.2
65°	1974.3	1976.1	2040.4	2293.8	2631.1	*2679.1*	2802.1	2876.8	2936.5	2643.6	1912.4
67.5°	2048.8	2059.1	2168.8	2482.6	2895.9	*2948.6*	3093.8	3095.0	2999.6	2519.8	1658.8
70°	2157.5	2178.6	2345.4	2744.6	3272.5	*3344.8*	3456.9	3223.2	2911.0	2184.2	1305.2
72.5°	2254.0	2293.3	2533.3	3044.4	3731.4	*3786.2*	3669.3	3149.3	2540.7	1636.9	813.1
74°	*2214.8*	*2263.6*	*2567.4*	*3192.1*	*3904.2*	*3930.5*	*3597.5*	*2933.5*	*2118.3*	*1133.6*	*472.6*
75°	2130.4	2183.4	2517.6	3190.7	3882.3	*3867.6*	3424.4	2687.0	1744.6	773.2	314.4
77.5°	1719.3	1775.4	2121.4	2734.6	3183.2	*3169.4*	2630.5	1802.5	764.1	253.6	159.7
80°	999.6	1042.4	1316.9	1736.6	2146.5	*2171.6*	1730.0	891.9	300.6	142.5	108.3
82.5°	444.0	473.6	636.1	886.5	1295.4	*1327.7*	906.0	467.3	185.7	86.6	65.1
85°	291.3	313.2	386.2	422.1	616.8	*638.9*	443.4	363.9	122.6	47.6	47.8
87.5°	209.6	230.7	286.9	250.6	283.1	*268.0*	241.3	336.7	49.2	27.1	16.1
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: GPC-SA1C-830-U-SL4

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1005.0	1005.0	1005.0	1005.0	1005.0	1005.0	1005.0	1005.0	1005.0	1005.0	1005.0
2.5°	995.6	992.4	985.1	971.5	963.8	957.4	946.8	940.5	937.7	937.5	938.7
5°	970.9	963.4	944.7	921.8	903.6	886.9	866.2	853.7	844.9	839.7	841.1
7.5°	942.1	930.5	901.1	864.6	835.2	802.9	770.9	751.9	737.0	725.9	727.9
10°	922.4	906.4	863.6	810.9	762.1	715.1	671.1	644.8	623.9	607.8	609.0
12.5°	915.8	894.1	834.8	764.5	696.0	631.7	574.2	533.9	512.4	494.1	495.5
15°	916.8	887.7	810.7	722.7	636.5	555.6	485.8	438.6	409.5	396.8	397.0
17.5°	917.6	880.2	785.4	677.9	577.7	484.4	408.7	360.9	333.3	321.7	321.9
20°	915.0	868.2	754.1	626.5	516.2	419.1	345.8	305.2	284.3	275.3	275.3
22.5°	911.6	853.9	718.7	574.8	455.5	362.5	300.8	269.8	257.8	251.8	251.6
25°	913.2	843.3	682.5	521.8	399.6	317.3	270.8	250.4	242.3	238.5	238.3
27.5°	921.8	838.3	649.2	469.0	350.8	283.3	250.8	236.3	231.1	228.7	228.7
30°	937.5	838.3	614.4	423.9	310.2	258.2	235.3	225.4	221.8	220.2	220.2
32.5°	964.8	842.9	580.9	379.3	277.9	238.5	222.4	215.8	213.0	212.2	212.2
35°	1011.9	858.5	548.1	337.2	251.8	222.4	210.2	206.3	204.3	204.1	204.7
37.5°	1078.0	890.5	517.4	306.0	233.3	209.4	199.9	196.9	195.7	196.7	197.5
40°	1161.1	933.9	489.5	277.9	219.2	198.9	190.5	188.5	187.9	189.3	190.5
42.5°	1261.6	992.6	466.5	257.6	208.4	190.1	182.4	180.0	179.4	181.0	182.6
45°	1370.3	1055.7	450.5	242.5	199.9	183.4	175.4	172.8	171.6	172.4	174.2
47.5°	1469.2	1115.3	444.0	231.9	191.9	177.8	169.2	166.0	164.0	163.6	165.0
50°	1552.5	1159.7	447.1	225.4	185.5	171.6	163.2	159.5	156.5	154.7	155.7
52.5°	1613.2	1187.7	449.9	222.6	180.4	164.8	156.5	153.1	149.1	146.1	146.1
55°	1657.2	1194.1	443.6	220.4	176.6	157.3	149.1	145.9	141.9	138.4	138.0
57.5°	1674.5	1176.0	420.5	217.2	174.0	150.3	141.2	138.8	135.4	131.4	131.2
60°	1651.2	1120.2	375.9	210.4	170.6	144.5	133.4	131.8	130.2	126.4	126.2
62.5°	1557.6	997.6	318.3	196.5	163.8	138.2	126.2	127.0	127.2	124.6	124.2
65°	1387.8	829.2	262.0	178.4	153.5	130.8	118.7	122.6	124.8	124.4	123.8
67.5°	1141.0	645.4	222.0	159.3	140.0	120.6	110.7	115.1	116.9	118.3	117.9
70°	846.9	455.1	183.6	139.2	123.8	108.5	100.3	102.5	101.3	102.9	103.5
72.5°	472.2	273.1	149.7	119.1	106.9	94.4	88.6	88.2	85.6	85.6	85.6
74°	*283.3*	*200.3*	*131.6*	*106.7*	*96.6*	*85.2*	*80.2*	*78.4*	*75.9*	*76.2*	*75.9*
75°	227.8	172.2	120.8	98.5	89.4	79.8	74.7	72.3	70.5	70.5	70.3
77.5°	143.9	130.8	97.2	78.4	71.5	65.7	62.3	59.1	59.1	58.9	58.7
80°	108.7	104.1	75.7	59.3	54.9	50.4	48.2	46.8	46.8	47.4	47.2
82.5°	74.5	78.4	53.2	41.4	39.2	36.0	35.6	35.8	35.2	34.4	34.2
85°	54.5	58.9	36.0	26.1	23.9	21.9	23.5	24.3	23.3	21.5	20.7
87.5°	20.9	38.6	19.3	10.8	10.0	8.6	10.0	10.4	11.3	8.8	9.0
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

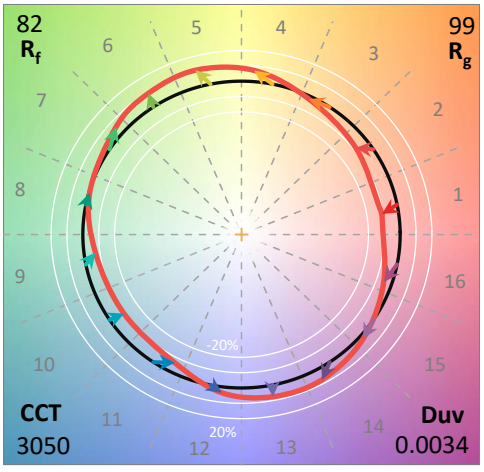
Test Information

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

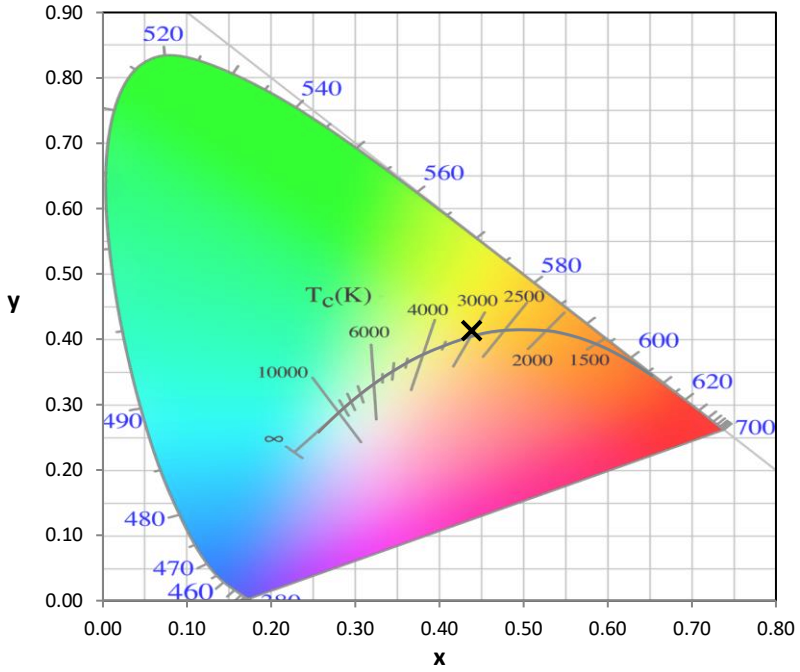
Stabilization Time:	20M
Operation Time:	1H 20M
Sphere Temperature (°C):	24.2

REPORT NUMBER: SP1-2408-195-9

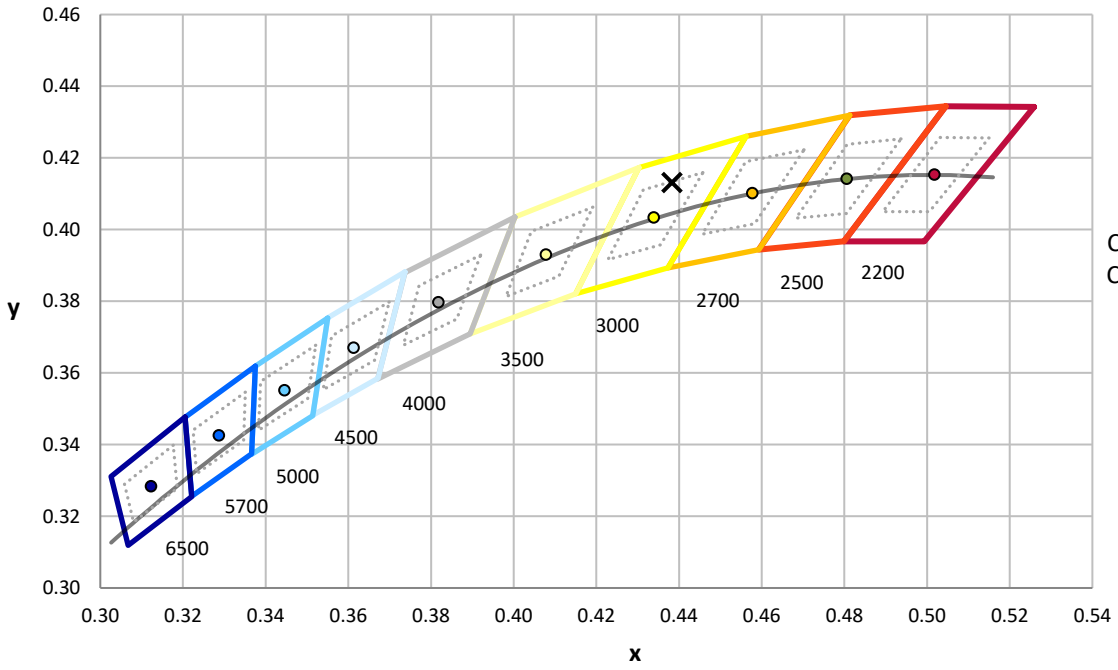
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

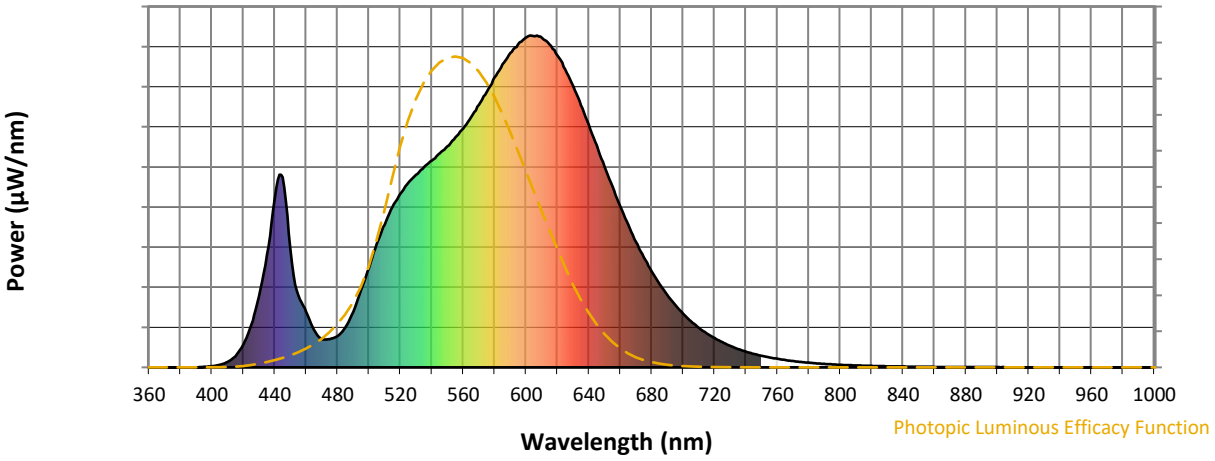


CCT = 3050K
CIE x = 0.4383
CIE y = 0.4131
Duv = 0.0034

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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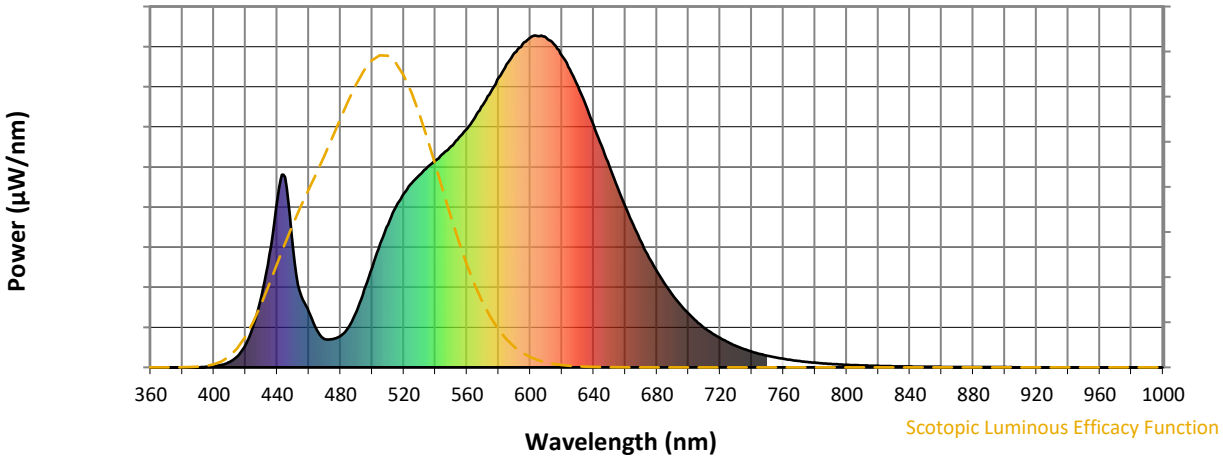
Scotopic Flux vs. Wavelength



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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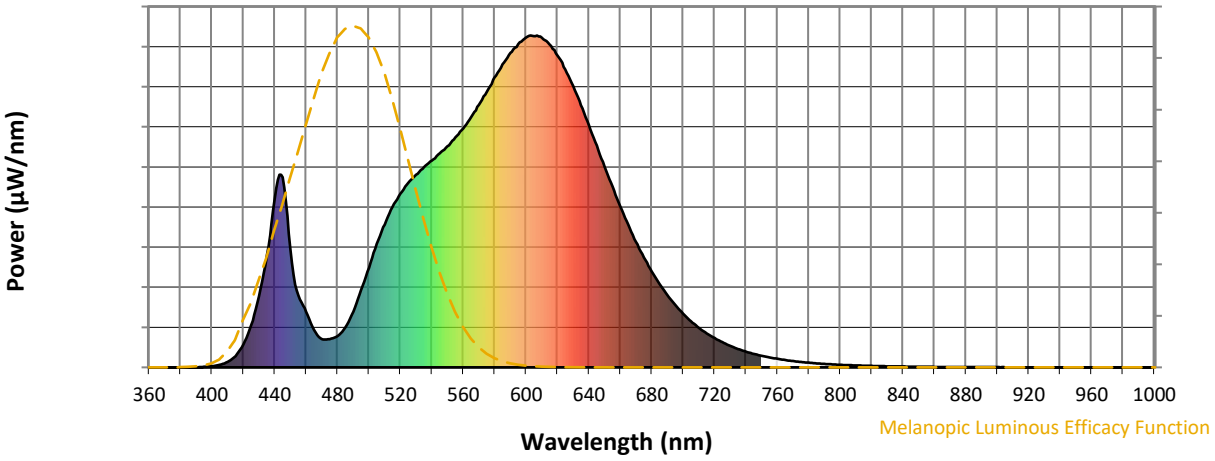
Melanopic Flux vs. Wavelength



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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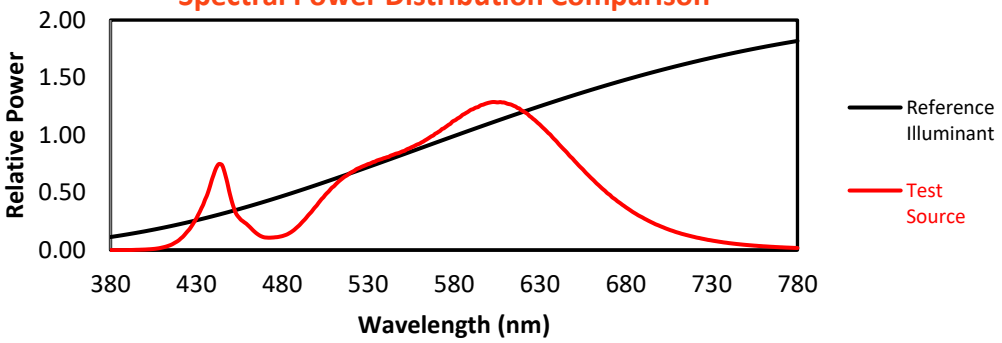
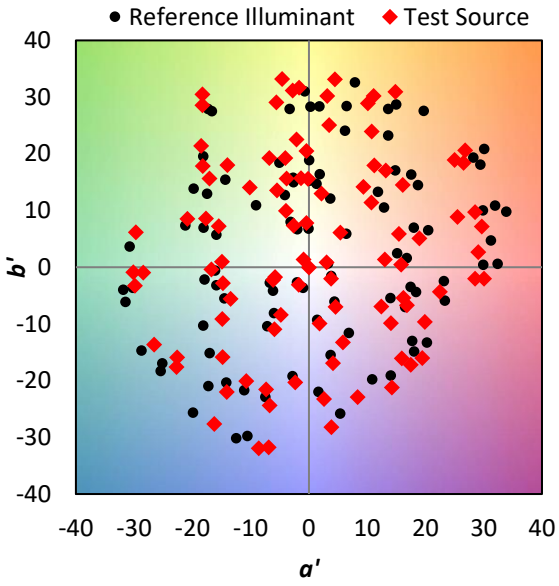
Summary

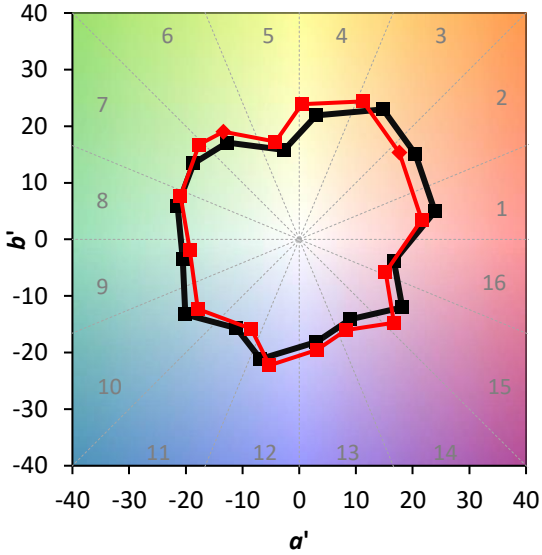
R_f = 81.5
R_g = 99.2
CIE R_a = 81.0
R_9 = 7.1

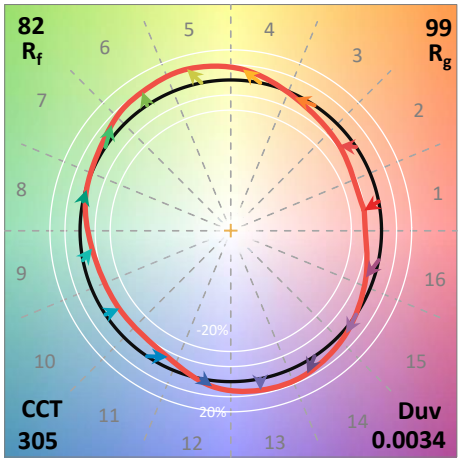
Spectral Power Distribution Comparison

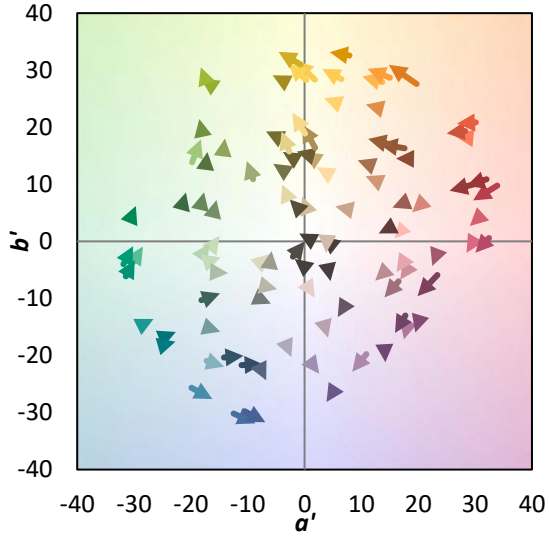


Color Vector Graphics









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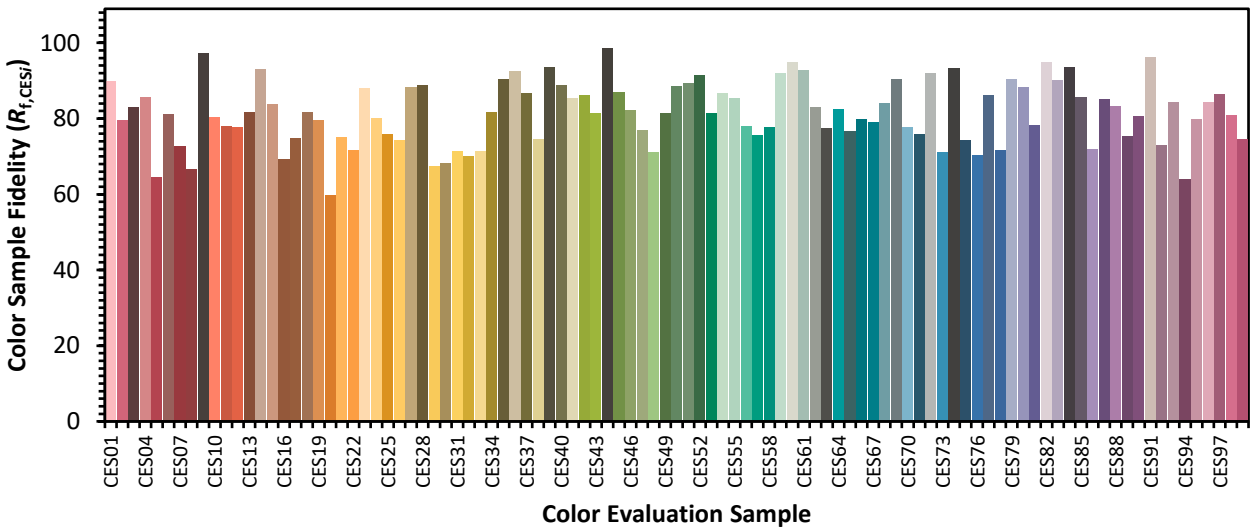
Individual Sample Fidelity Index ($R_{f,i}$)

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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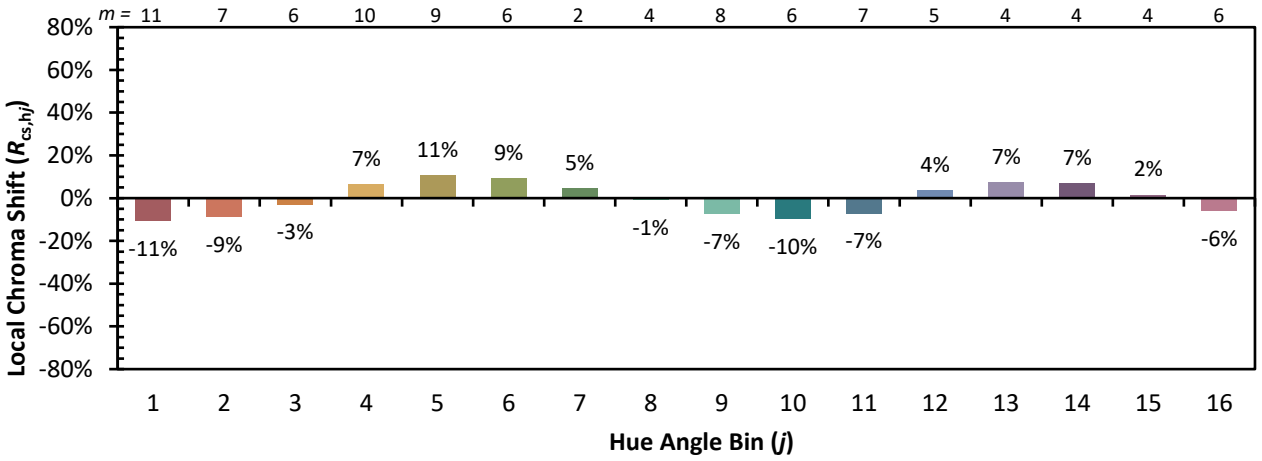
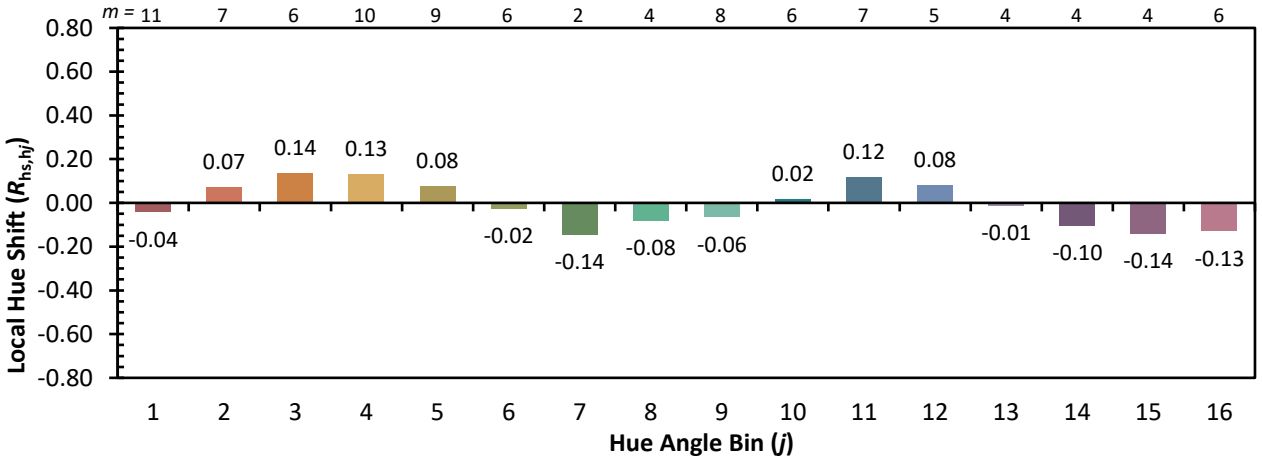
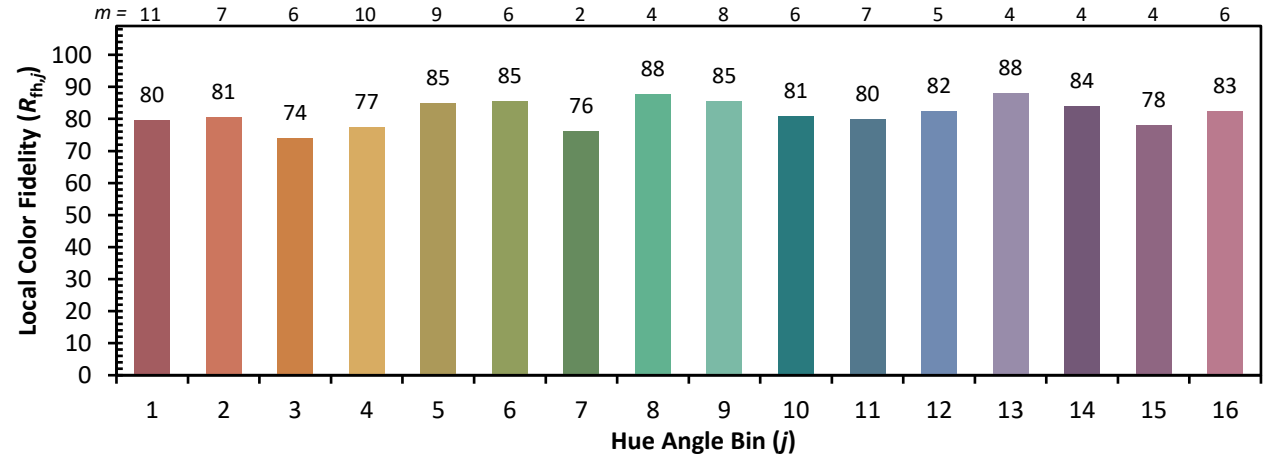
Color Rendition by Hue-Angle Bin







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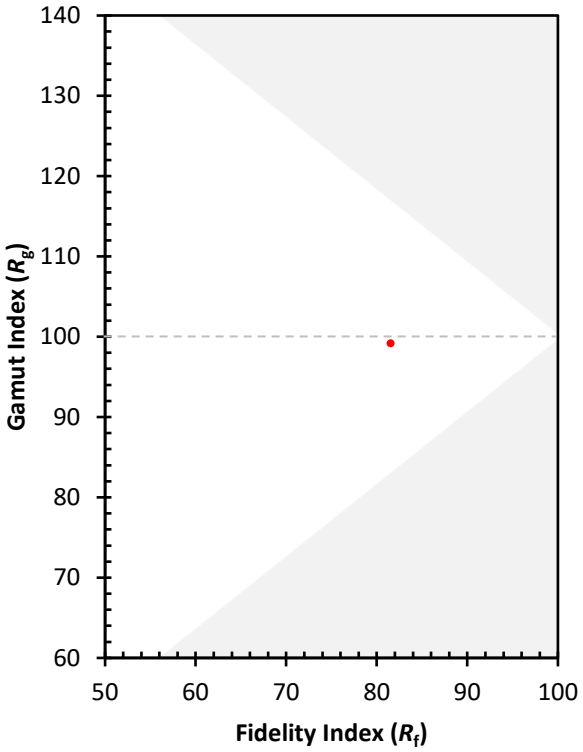
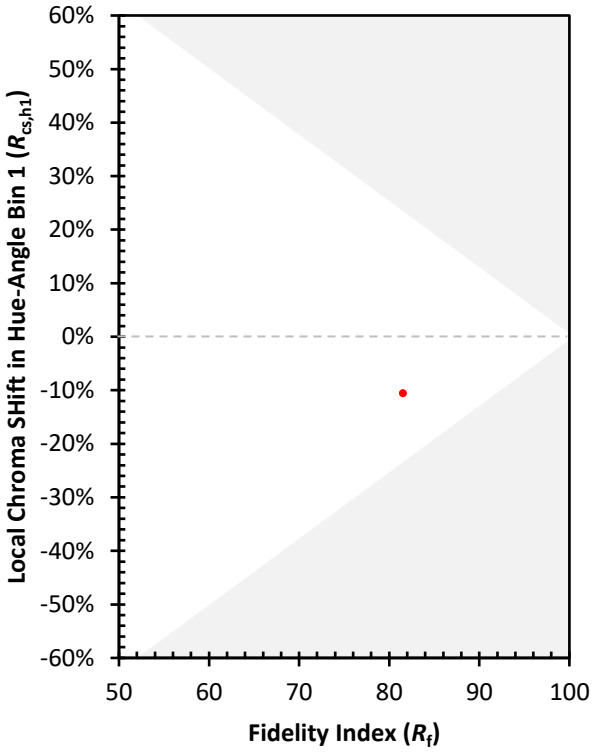
Measure Comparisons





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