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: P386517

Luminaire Tested: **GPC-SA2A-830-U-T4W**

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:	P386517
	TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-18)
Test Lab:	INNOVATION CENTER
Issue Date:	3/3/2020
Manufacturer:	COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line:	McGRAW-EDISON
Catalog Number:	GPC-SA2A-830-U-T4W
Description:	GALLEON PEDESTRIAN LUMINAIRE
	(2) 80 CRI, 3000K, 615mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE IV WIDE OPTICS
Light Source:	-
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	7675 lumens
Efficiency:	N/A
Efficacy:	116.3 lumens/watt
Luminous Opening:	Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification:	Type IV - Short
BUG Rating:	B2 - U0 - G2

Input Watts (W):	66
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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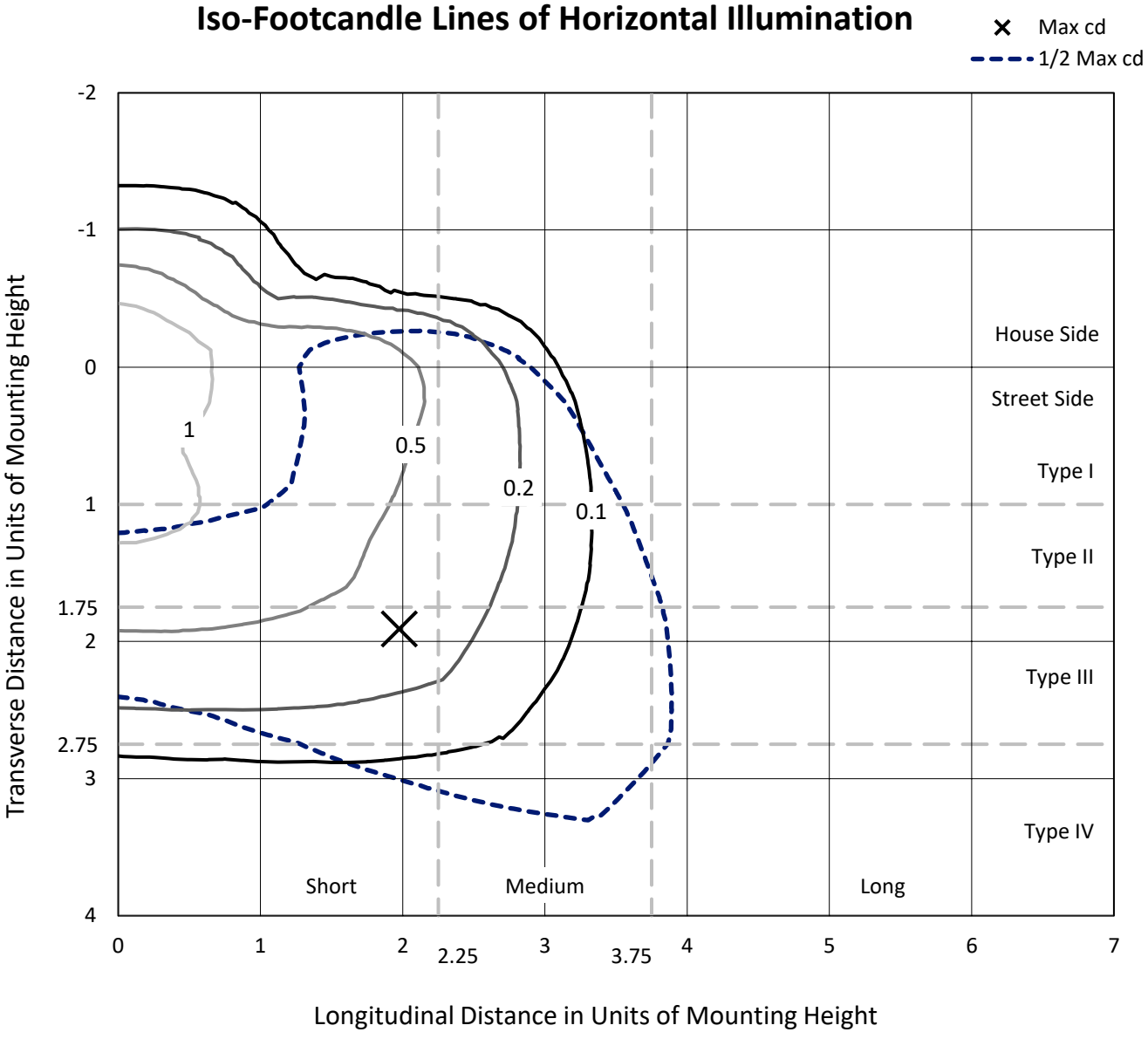
REPORT NUMBER: P386517
CATALOG NUMBER: GPC-SA2A-830-U-T4W

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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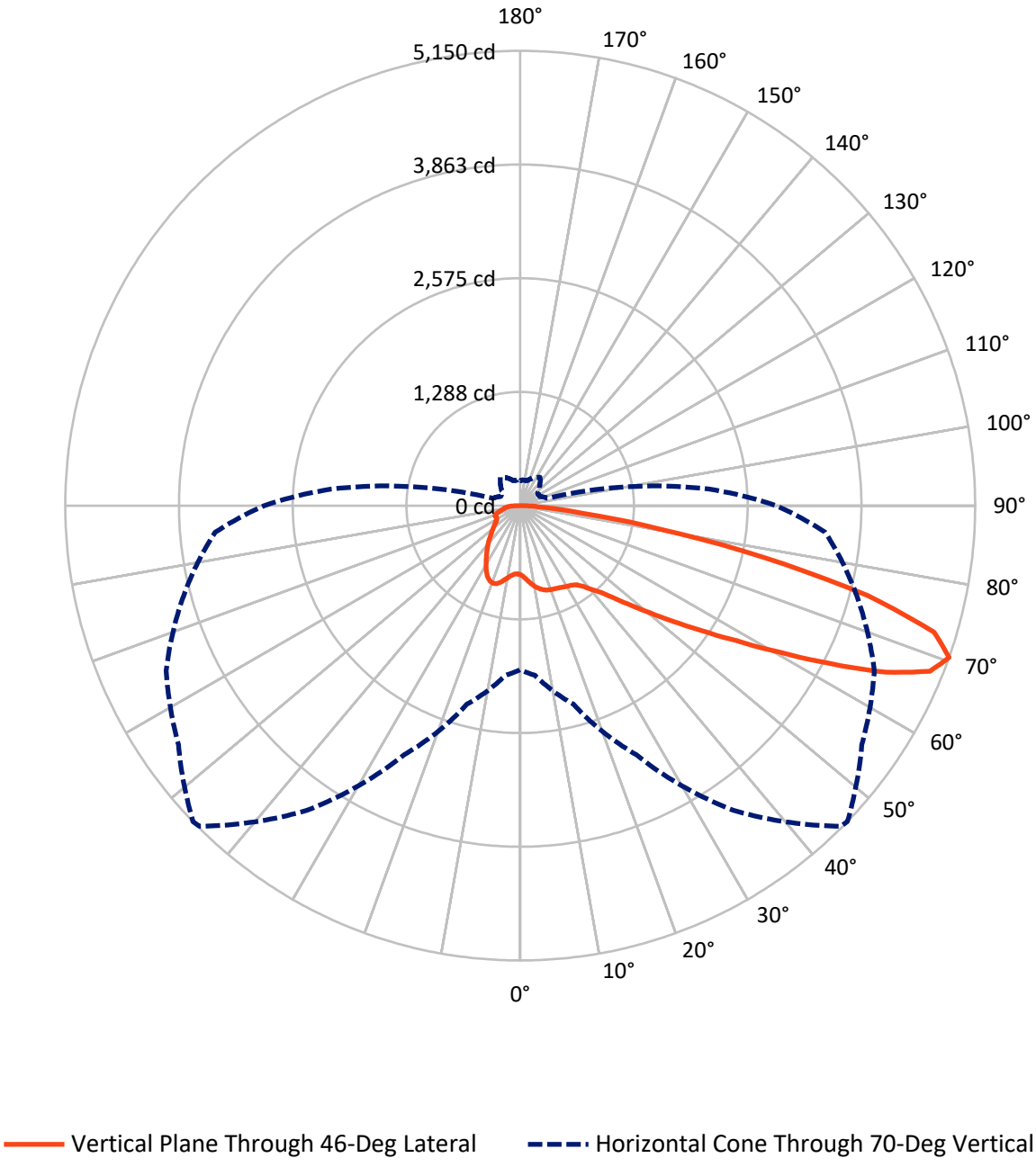
Luminous Intensity Polar Plot



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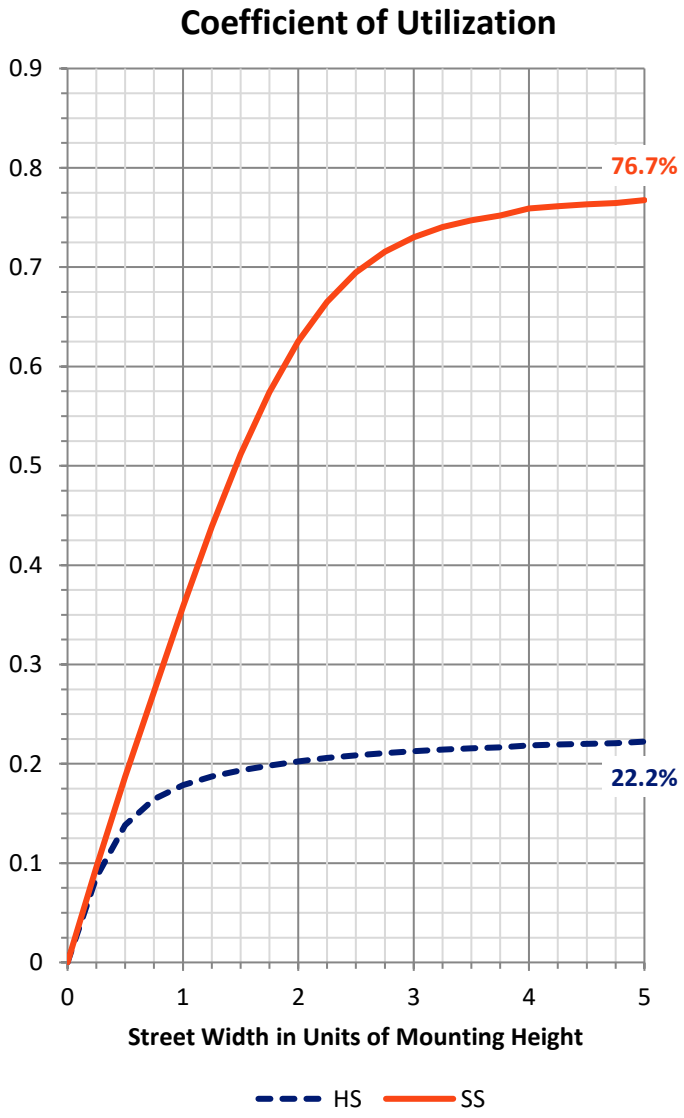
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1759.1	0.0	1759.1
	% Fixture	22.9	0.0	22.9
Street Side	Lumens	5915.9	0.0	5915.9
	% Fixture	77.1	0.0	77.1
Total	Lumens	7675.0	0.0	7675.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	79.7	1.0
10°-20°	265.6	3.5
20°-30°	442.8	5.8
30°-40°	628.4	8.2
40°-50°	924.3	12.0
50°-60°	1565.3	20.4
60°-70°	2222.0	29.0
70°-80°	1349.9	17.6
80°-90°	197.0	2.6
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°	7675.0	100.0
0°-180°	7675.0	100.0



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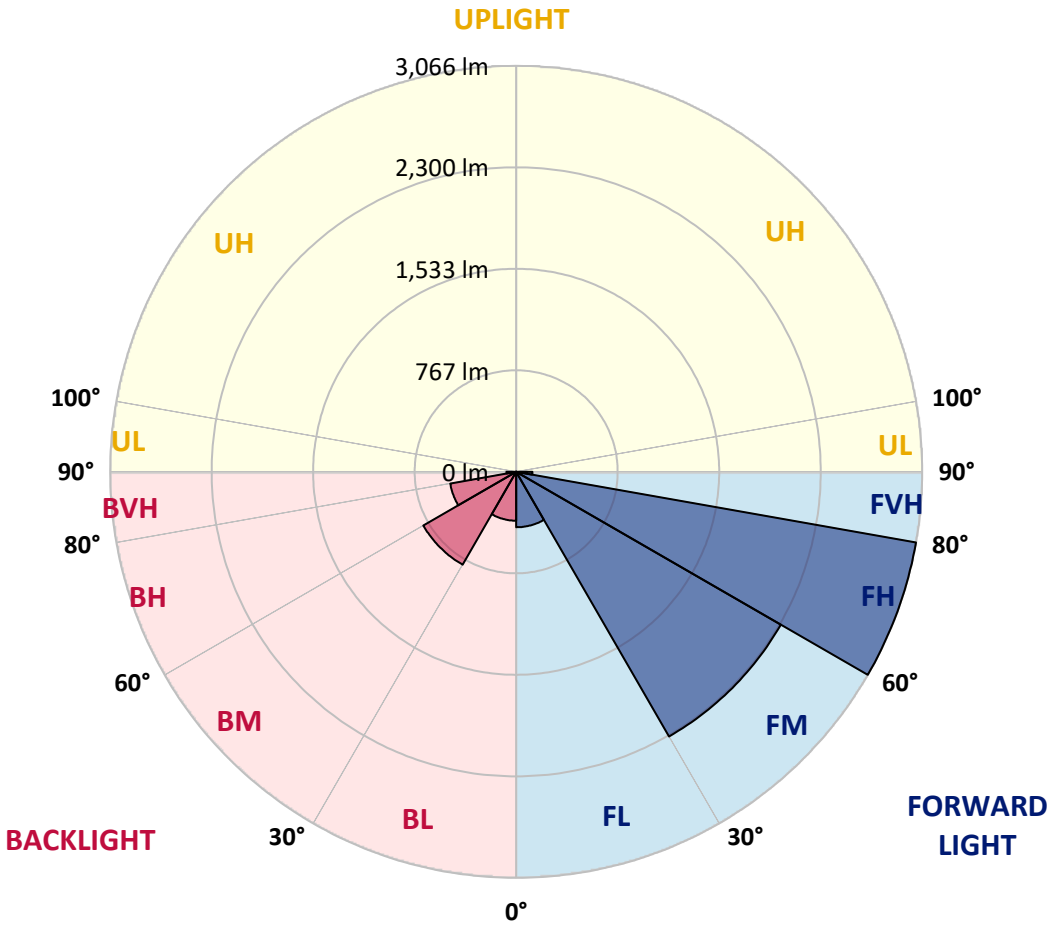
REPORT NUMBER: P386517
CATALOG NUMBER: GPC-SA2A-830-U-T4W

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	418.8	5.5			
FM	(30°-60°)	2308.3	30.1			
FH	(60°-80°)	3066.1	39.9			G2/5000
FVH	(80°-90°)	122.7	1.6			G2/225
BL	(0°-30°)	369.3	4.8	B1/500		
BM	(30°-60°)	809.8	10.6	B1/1000		
BH	(60°-80°)	505.7	6.6	B2/1000		G2/1000
BVH	(80°-90°)	74.3	1.0			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G2
Type IV Short



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Scaled Data Report

REPORT NUMBER: P386517
CATALOG NUMBER: GPC-SA2A-830-U-T4W

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	46°	55°	65°	75°	85°
0°	781.9	781.9	781.9	781.9	781.9	781.9	*781.9*	781.9	781.9	781.9	781.9
2.5°	821.1	821.6	822.6	820.0	812.7	810.6	*809.8*	802.2	797.2	789.8	783.5
5°	886.7	887.3	885.7	878.3	862.0	850.0	*848.9*	831.6	815.8	799.0	786.4
7.5°	955.3	956.1	951.1	937.2	914.3	893.3	*892.0*	868.3	844.4	819.0	800.1
10°	1016.0	1012.8	1004.7	985.2	958.2	932.4	*931.4*	906.7	879.1	848.4	823.2
12.5°	1056.4	1053.8	1043.3	1019.6	990.0	966.3	*964.2*	941.4	914.6	881.0	850.7
15°	1078.7	1080.6	1066.4	1039.6	1010.7	990.7	*988.9*	972.6	948.7	914.8	880.2
17.5°	1081.6	1083.2	1069.5	1043.0	1019.4	1005.7	*1004.9*	994.2	976.8	944.3	908.0
20°	1064.8	1065.9	1054.6	1032.8	1017.3	1013.1	*1012.8*	1008.1	995.2	966.3	931.1
22.5°	1040.4	1041.2	1033.0	1017.3	1012.0	1018.6	*1020.4*	1018.6	1009.4	982.3	949.2
25°	1034.3	1033.8	1025.4	1009.4	1013.9	1027.8	*1030.1*	1030.9	1024.6	1001.0	972.4
27.5°	1063.5	1061.7	1045.6	1019.9	1022.8	1039.6	*1042.8*	1050.4	1046.4	1025.7	998.6
30°	1147.8	1144.7	1111.8	1059.8	1045.6	1054.3	*1058.2*	1070.3	1071.1	1053.8	1033.6
32.5°	1290.2	1286.2	1227.4	1134.4	1084.3	1069.3	*1073.0*	1091.1	1100.8	1087.4	1065.6
35°	1470.1	1465.6	1388.4	1261.3	1148.9	1097.9	*1100.5*	1115.0	1134.4	1115.5	1086.6
37.5°	1657.6	1646.9	1572.5	1410.5	1251.6	1159.1	*1159.1*	1160.9	1170.1	1130.7	1111.3
40°	1844.1	1833.4	1766.1	1585.9	1384.5	1255.5	*1249.5*	1208.8	1201.4	1167.5	1160.9
42.5°	2017.5	2014.3	1974.7	1784.2	1540.5	1350.3	*1341.9*	1272.8	1274.4	1253.4	1253.7
45°	2201.9	2201.9	2169.6	1984.4	1722.2	1502.7	*1494.3*	1392.6	1408.4	1398.7	1422.0
47.5°	2352.4	2357.1	2352.6	2192.9	1933.7	1696.2	*1681.0*	1558.6	1602.7	1636.1	1704.1
50°	2506.0	2513.4	2514.2	2421.7	2189.3	1926.3	*1909.0*	1779.0	1877.5	1973.1	2106.8
52.5°	2729.0	2745.6	2679.6	2650.0	2502.3	2199.5	*2182.4*	2062.4	2226.8	2361.0	2591.4
55°	2935.7	2921.3	2874.3	2892.7	2837.5	2510.5	*2497.6*	2392.3	2616.1	2790.5	3089.6
57.5°	3047.6	3046.6	3093.8	3172.6	3198.9	2894.0	*2883.2*	2780.8	3055.0	3186.0	3557.4
60°	3178.9	3180.8	3297.9	3476.8	3585.0	3371.5	*3366.7*	3289.0	3481.3	3555.3	3924.4
62.5°	3197.3	3230.4	3432.1	3740.0	3946.4	3929.4	*3939.9*	3746.8	3862.6	3850.0	4198.3
65°	2985.9	3029.5	3394.6	3819.6	4305.7	4539.5	*4549.2*	4207.3	4163.4	4101.9	4296.3
67.5°	2552.5	2617.1	3013.7	3646.5	4424.2	4990.5	*5004.2*	4564.2	4412.9	4187.3	4060.4
70°	*1857.5*	*1929.2*	*2328.5*	*3114.3*	*4213.0*	*5134.7*	*5150.2*	*4722.1*	*4422.4*	*3944.3*	*3466.3*
72.5°	1122.1	1178.3	1507.4	2292.7	3555.9	4872.0	*4899.6*	4521.9	4037.6	3341.0	2559.6
75°	492.7	529.5	728.9	1321.2	2545.7	4031.0	*4065.4*	3870.5	3280.6	2428.0	1512.9
77.5°	209.9	220.4	298.9	573.9	1439.1	2754.5	*2801.8*	2828.0	2225.8	1321.2	639.3
80°	130.8	135.0	169.2	259.8	673.5	1547.1	*1598.0*	1663.9	1105.3	485.7	223.3
82.5°	79.6	84.3	112.4	157.1	350.6	701.3	*725.7*	772.2	428.9	209.9	115.6
85°	47.8	51.2	68.8	99.3	199.6	275.8	*275.5*	304.7	202.0	135.0	60.9
87.5°	22.9	25.5	36.8	51.5	100.6	103.5	*96.9*	109.8	122.7	88.5	30.7
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-SA2A-830-U-T4W

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	781.9	781.9	781.9	781.9	781.9	781.9	781.9	781.9	781.9	781.9	781.9
2.5°	781.4	780.4	776.9	774.3	773.8	772.2	770.9	771.7	772.7	773.0	773.0
5°	781.1	778.3	773.8	772.0	774.3	777.5	781.4	786.7	789.8	792.2	793.8
7.5°	793.8	788.2	783.2	782.2	786.9	795.3	804.3	815.3	822.9	828.2	829.2
10°	814.8	807.9	802.9	804.0	812.4	824.5	837.1	851.3	862.8	869.9	870.4
12.5°	838.9	832.4	827.6	832.1	846.0	860.7	873.9	886.2	896.7	903.8	903.8
15°	866.8	862.0	856.5	866.8	885.7	898.8	904.3	910.4	916.2	921.4	920.4
17.5°	893.6	889.1	886.2	898.3	918.0	924.0	920.4	915.9	915.9	918.8	919.3
20°	916.7	912.7	914.6	926.4	936.6	930.3	916.7	902.5	896.7	898.3	899.9
22.5°	936.9	935.1	940.6	946.1	938.7	916.7	891.5	872.3	865.2	864.7	865.2
25°	960.5	960.3	967.1	957.1	924.6	883.8	850.0	831.3	827.4	830.5	835.8
27.5°	990.0	992.8	996.3	959.8	895.7	834.2	799.8	786.9	790.9	798.5	803.5
30°	1027.5	1035.4	1028.0	953.2	854.2	777.5	744.6	741.0	751.7	762.5	767.7
32.5°	1064.0	1076.4	1058.5	936.1	800.6	717.3	691.8	690.8	703.9	714.4	721.8
35°	1093.4	1117.9	1081.4	902.2	738.6	661.9	643.2	636.2	640.9	653.2	661.6
37.5°	1131.8	1172.5	1097.1	850.5	671.4	616.2	594.4	578.1	573.9	578.9	583.1
40°	1201.9	1255.8	1104.5	778.3	605.7	570.5	548.4	524.5	508.0	495.9	496.2
42.5°	1316.4	1364.2	1099.7	690.5	545.0	525.8	500.9	473.3	446.5	419.2	417.1
45°	1502.4	1525.5	1085.6	597.5	491.7	479.1	455.7	428.1	392.4	361.4	358.5
47.5°	1800.0	1748.8	1063.5	516.4	444.7	439.4	417.9	386.1	348.3	323.3	321.2
50°	2205.8	2071.1	1052.7	451.8	403.2	404.8	387.2	353.5	317.8	299.4	297.3
52.5°	2691.2	2446.4	1073.5	401.9	369.8	375.3	362.2	330.7	300.7	286.3	284.2
55°	3194.7	2835.1	1095.8	365.6	338.3	349.1	344.6	318.6	291.6	278.2	276.3
57.5°	3625.7	3125.4	1051.2	336.2	310.2	327.0	330.9	311.0	286.8	274.7	272.6
60°	3897.1	3242.2	934.0	308.6	287.9	309.4	323.1	308.9	288.7	287.6	286.0
62.5°	4025.8	3232.0	758.3	286.8	274.0	301.8	328.8	320.7	309.7	319.1	319.9
65°	3968.0	3077.6	564.7	272.4	264.0	304.7	346.2	343.0	315.7	325.2	326.5
67.5°	3587.6	2709.1	418.2	259.8	252.9	312.8	377.7	350.4	303.9	310.7	306.5
70°	*2899.7*	*2147.8*	*322.5*	*245.6*	*241.6*	*311.8*	*391.9*	*345.9*	*291.0*	*292.6*	*281.3*
72.5°	1999.6	1464.6	262.4	232.5	225.4	284.2	381.9	334.9	280.3	268.2	253.2
75°	1087.4	786.1	223.0	218.8	196.7	249.5	363.5	327.0	270.5	254.5	246.1
77.5°	427.9	326.2	193.6	200.1	172.0	220.4	343.0	312.0	257.1	236.1	231.9
80°	174.7	166.5	160.5	173.1	147.9	192.8	318.3	294.4	241.1	219.1	210.7
82.5°	99.0	103.5	124.8	136.6	120.0	177.6	306.5	280.3	221.9	196.2	186.2
85°	50.7	60.7	86.9	98.0	88.3	151.0	282.4	245.3	178.1	150.2	151.0
87.5°	24.4	33.9	54.9	61.5	57.3	109.3	210.9	177.8	138.7	109.8	106.4
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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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

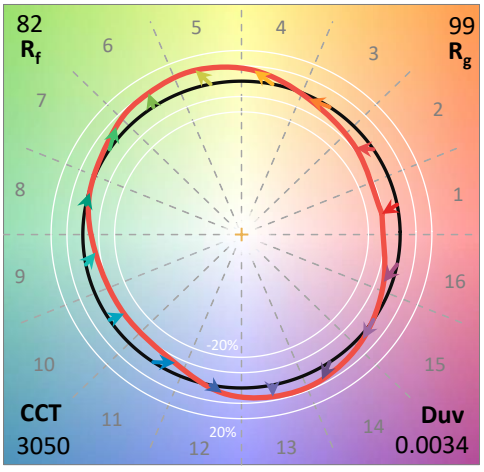
Test Information

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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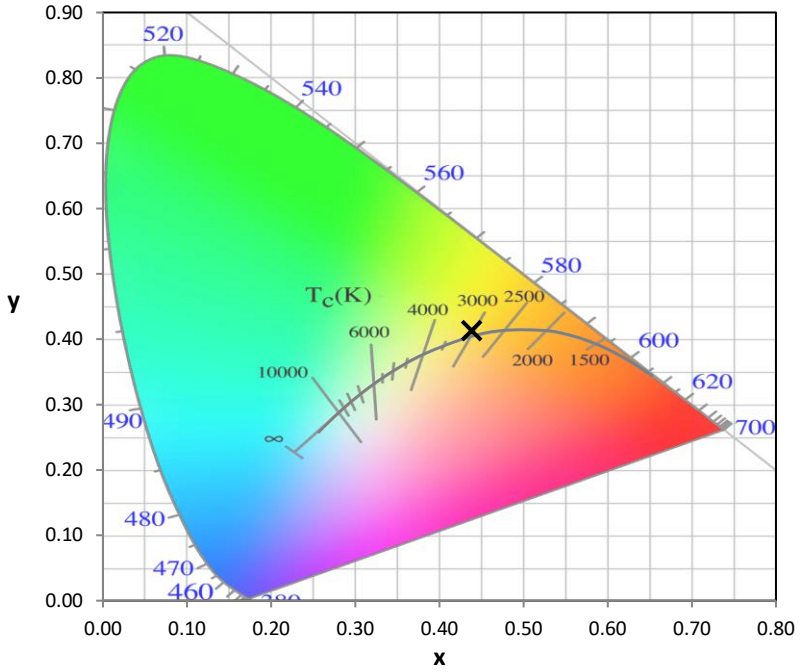
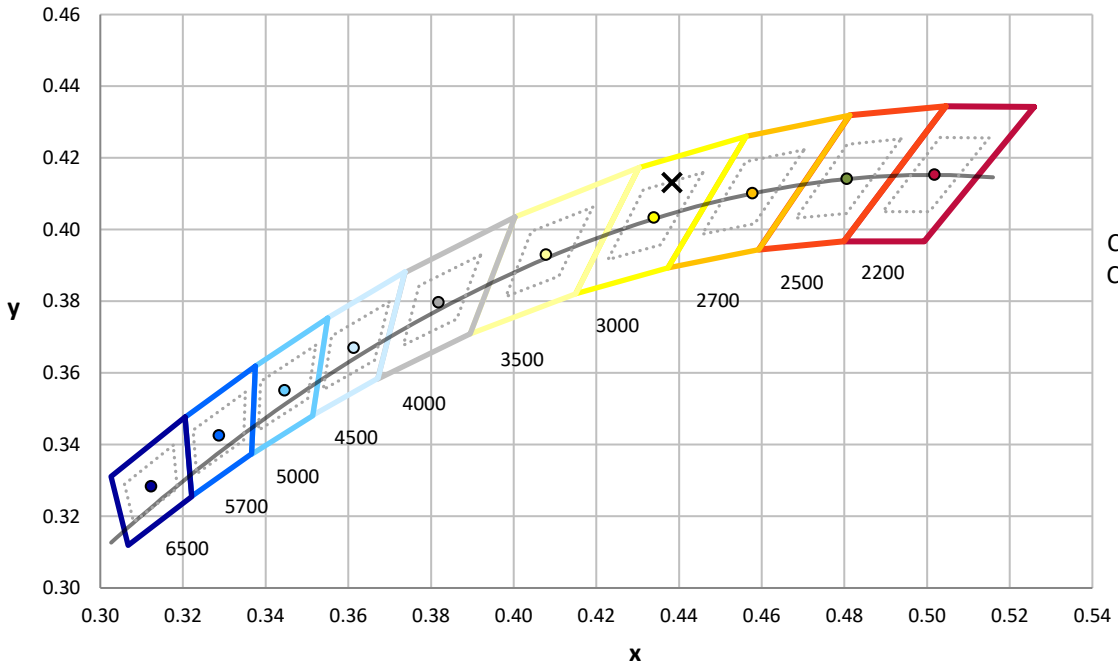
CIE 1931 Chromaticity Diagram



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

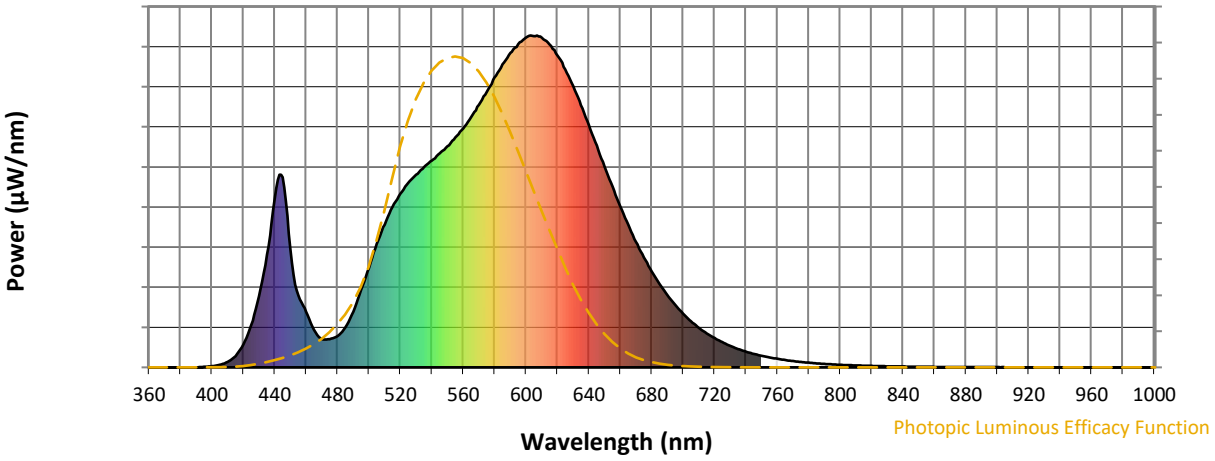


CCT = 3050K
CIE x = 0.4383
CIE y = 0.4131
Duv = 0.0034

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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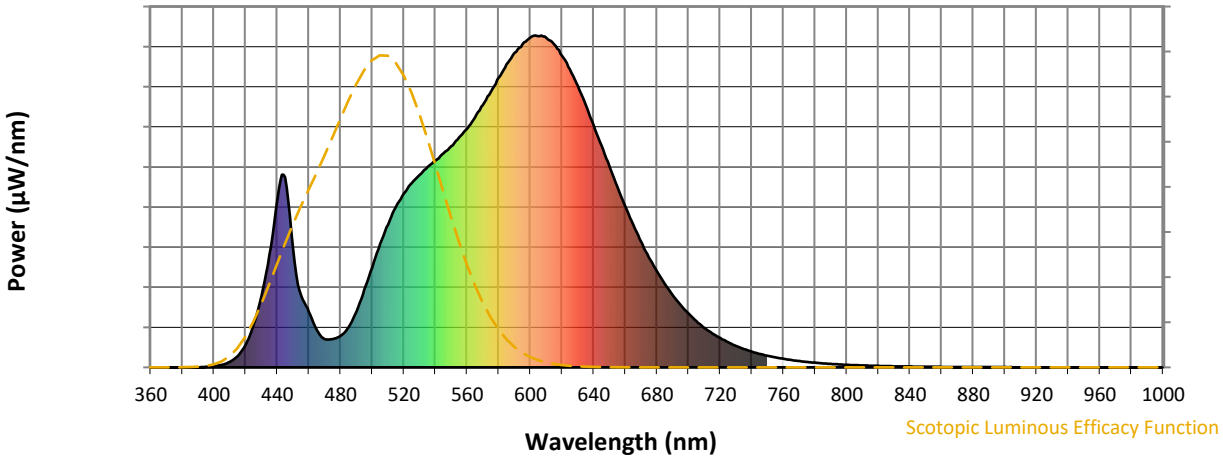
Scotopic Flux vs. Wavelength



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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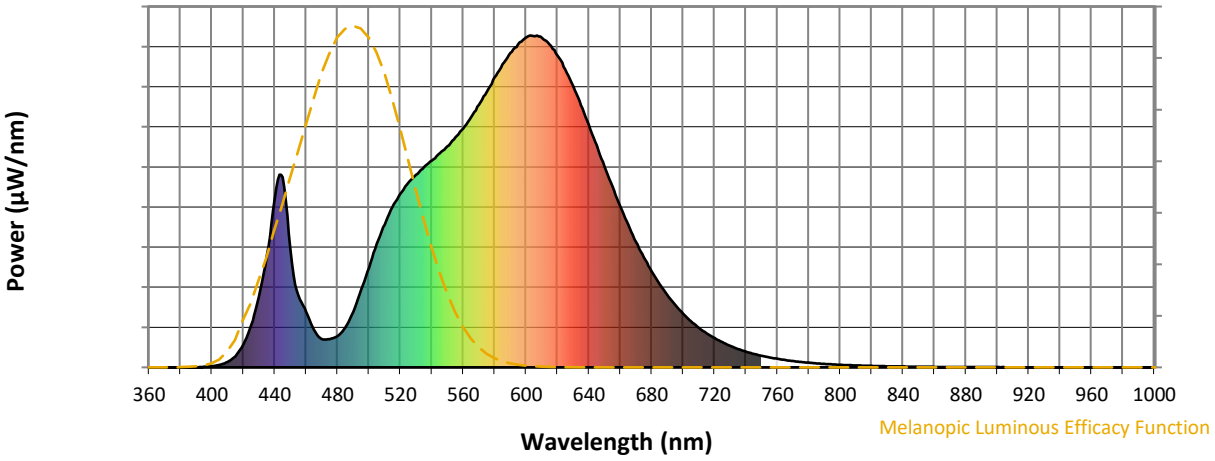
Melanopic Flux vs. Wavelength



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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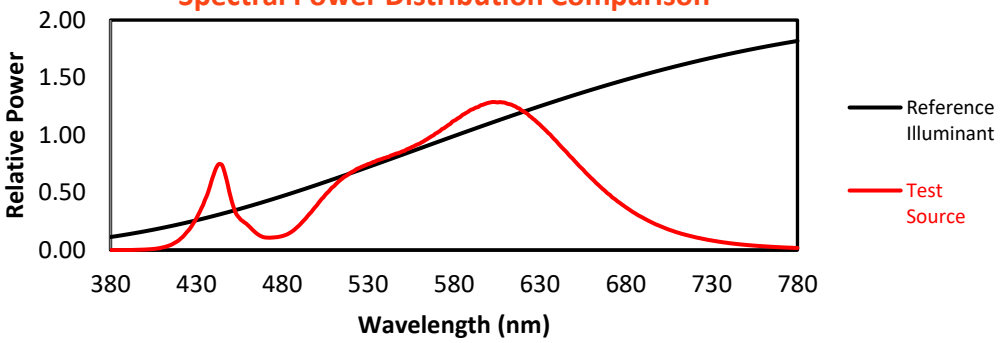
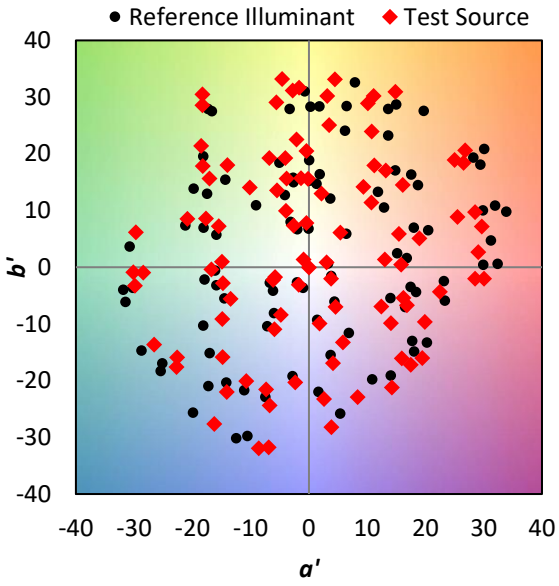
Summary

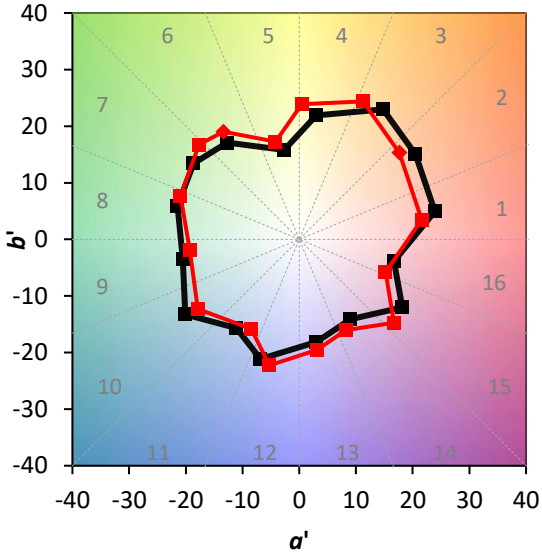
R_f = 81.5
R_g = 99.2
CIE R_a = 81.0
R_9 = 7.1

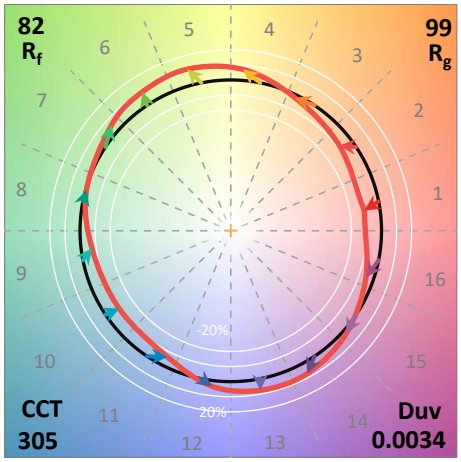
Spectral Power Distribution Comparison

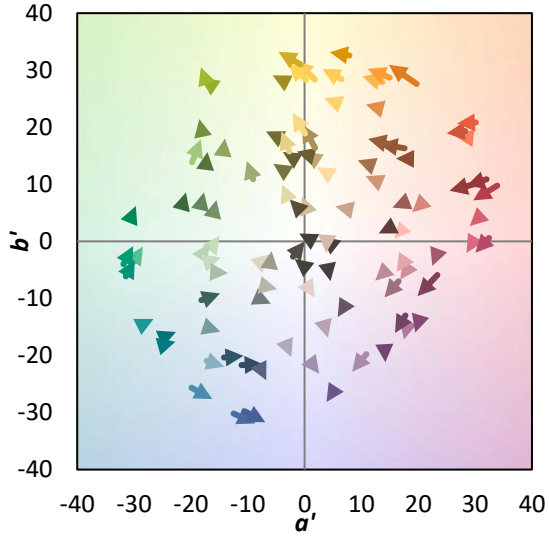


Color Vector Graphics









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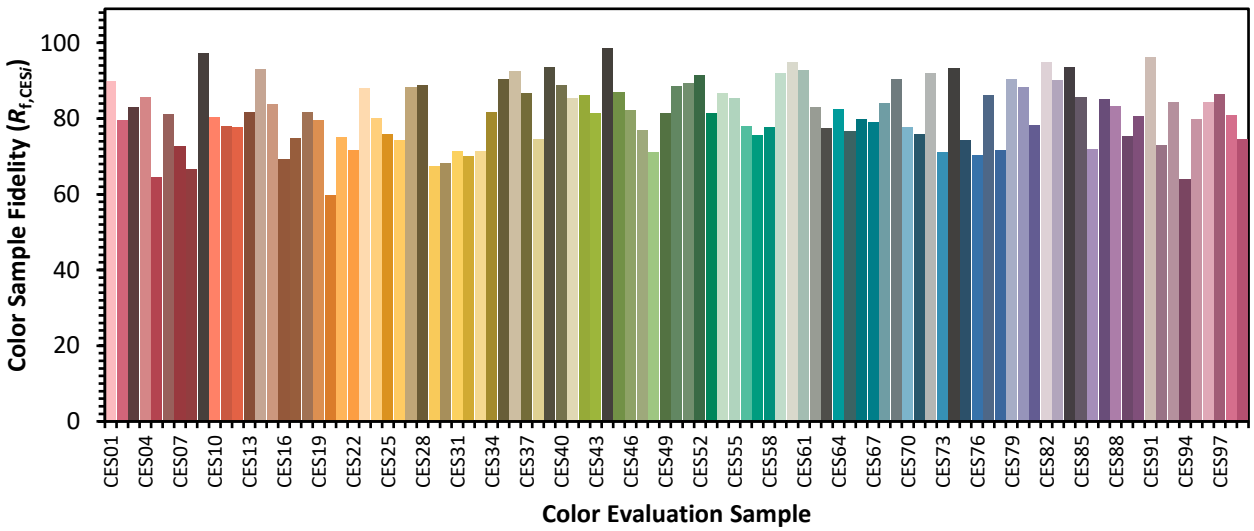
Individual Sample Fidelity Index ($R_{f,i}$)

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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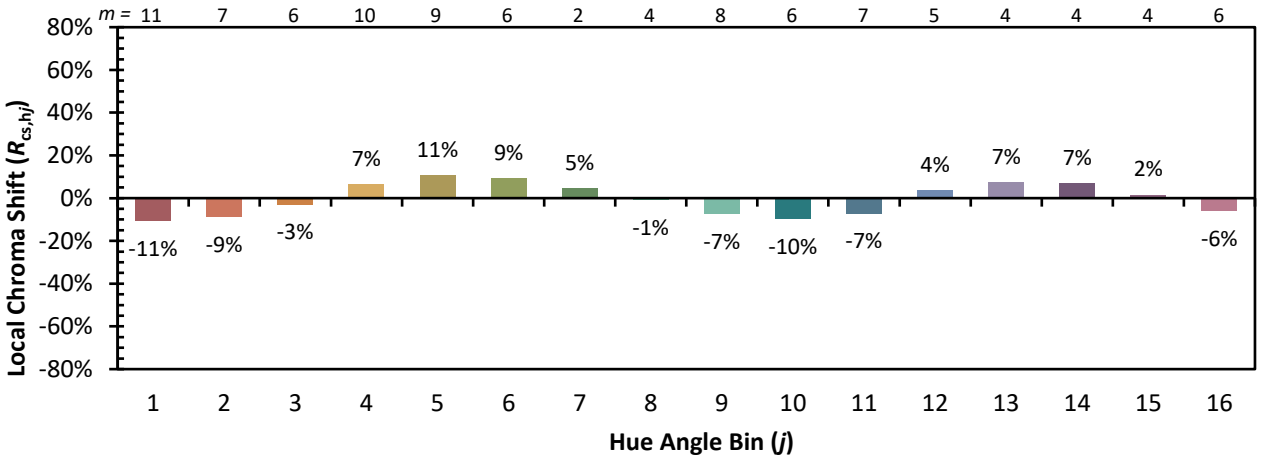
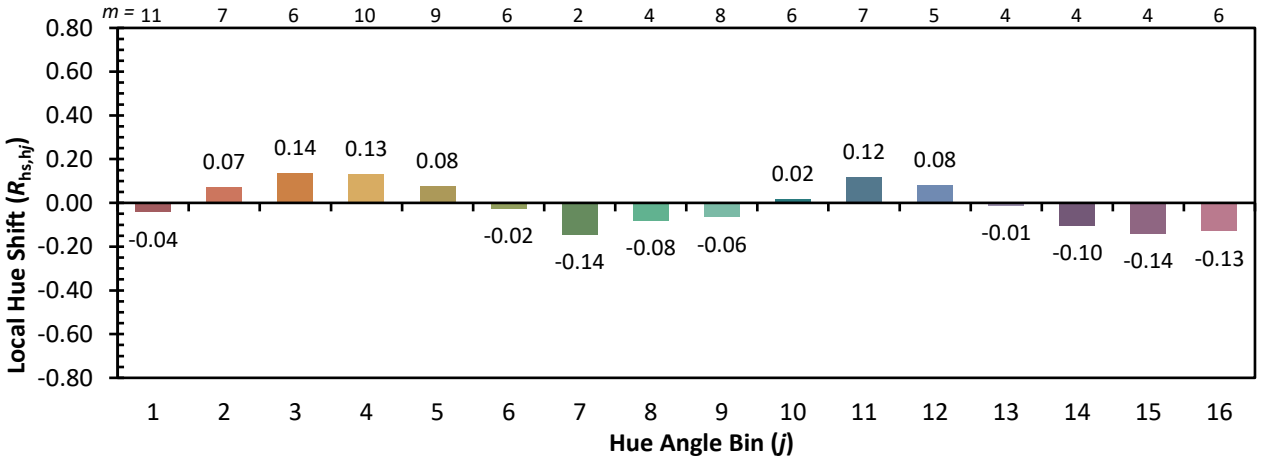
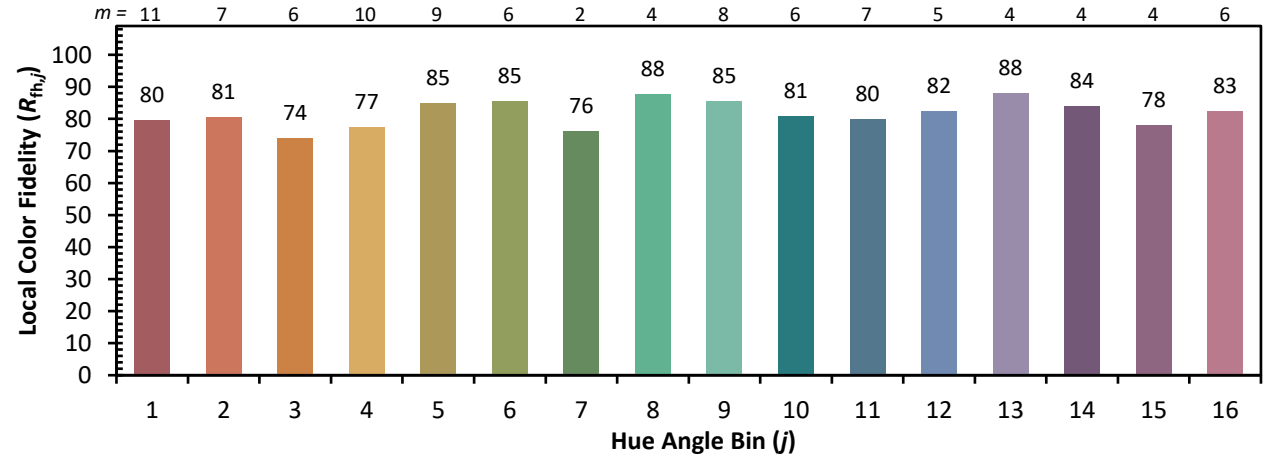
Color Rendition by Hue-Angle Bin







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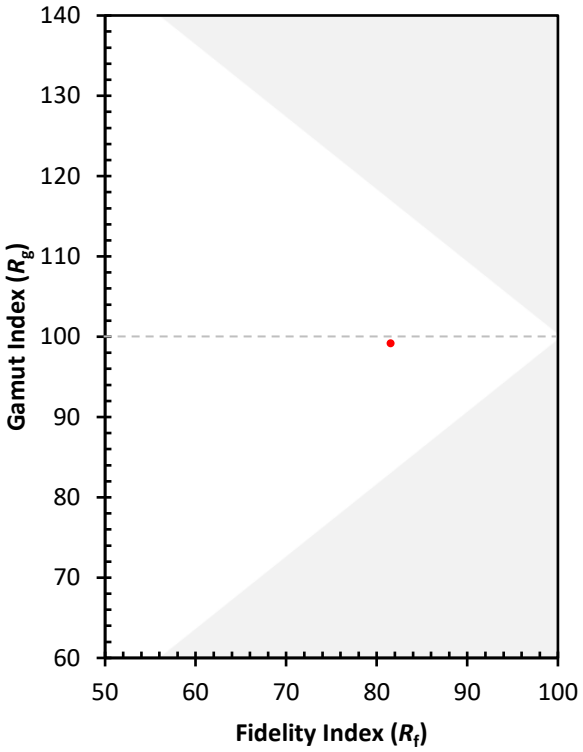
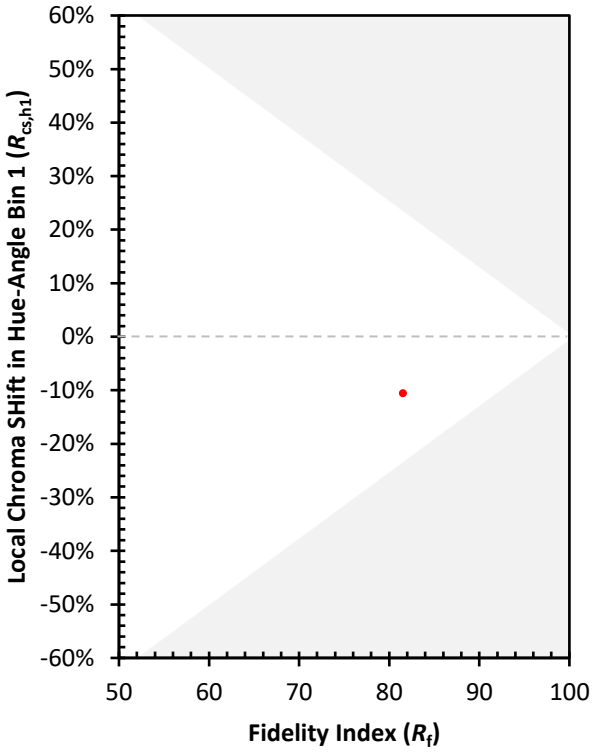
Measure Comparisons





(END OF REPORT)