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: P386962

Luminaire Tested: **GPC-SA2C-830-U-T4FT-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:	P386962
	TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-17)
Test Lab:	INNOVATION CENTER
Issue Date:	3/3/2020
Manufacturer:	COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line:	McGRAW-EDISON
Catalog Number:	GPC-SA2C-830-U-T4FT-HSS
Description:	GALLEON PEDESTRIAN LUMINAIRE
	(2) 80 CRI, 3000K, 1050mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE IV FORWARD THROW OPTICS WITH HOUSE SIDE SHIELD
Light Source:	-
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	8329 lumens
Efficiency:	N/A
Efficacy:	75.0 lumens/watt
Luminous Opening:	Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification:	Type IV - Short
BUG Rating:	B1 - U0 - G2

Input Watts (W):	111
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: P386962
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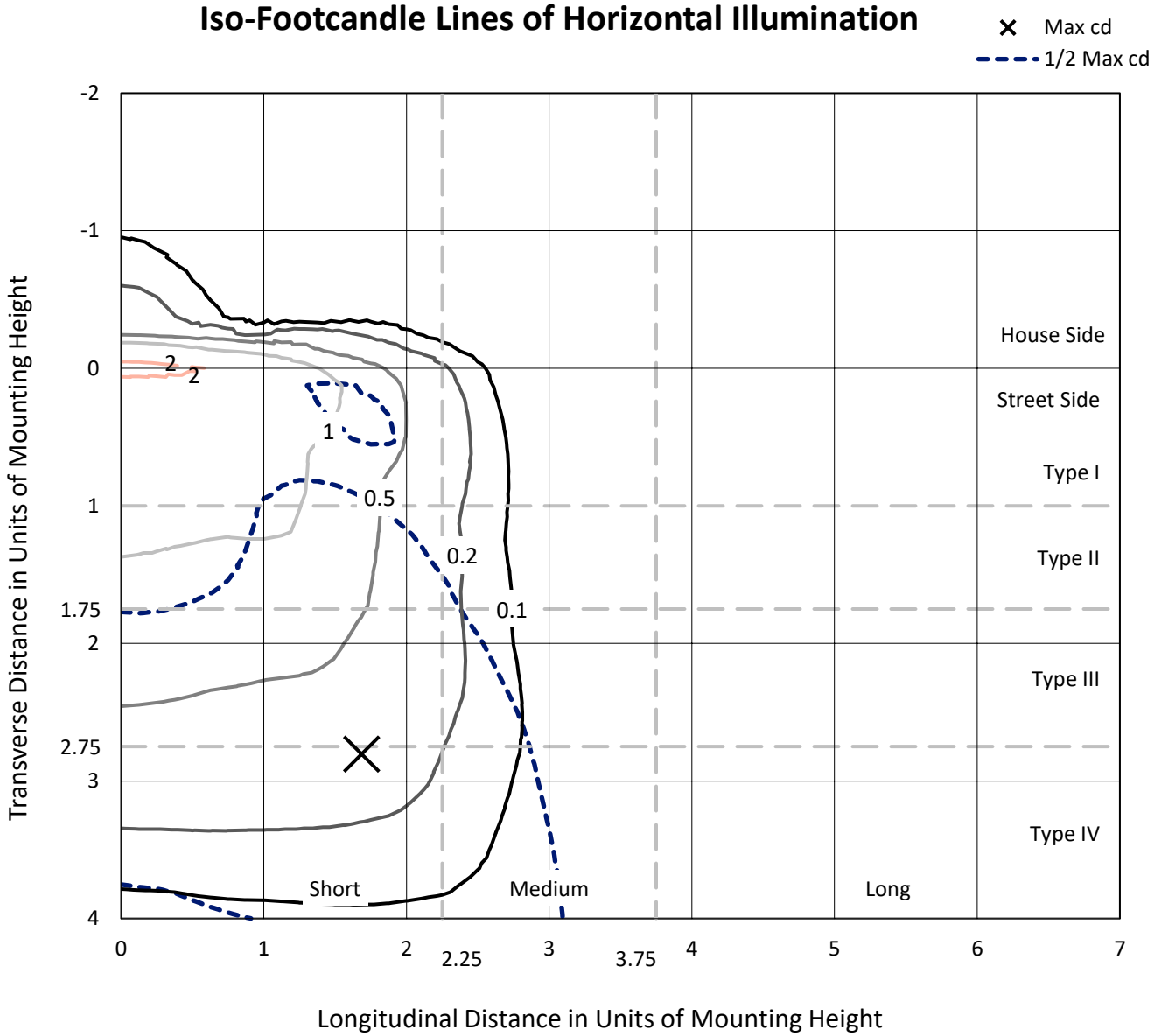
Iso-Footcandle Lines of Horizontal Illumination



Based on 25 foot mounting height. Maximum calculated value = 2.3 fc
Type IV - Short - N/A

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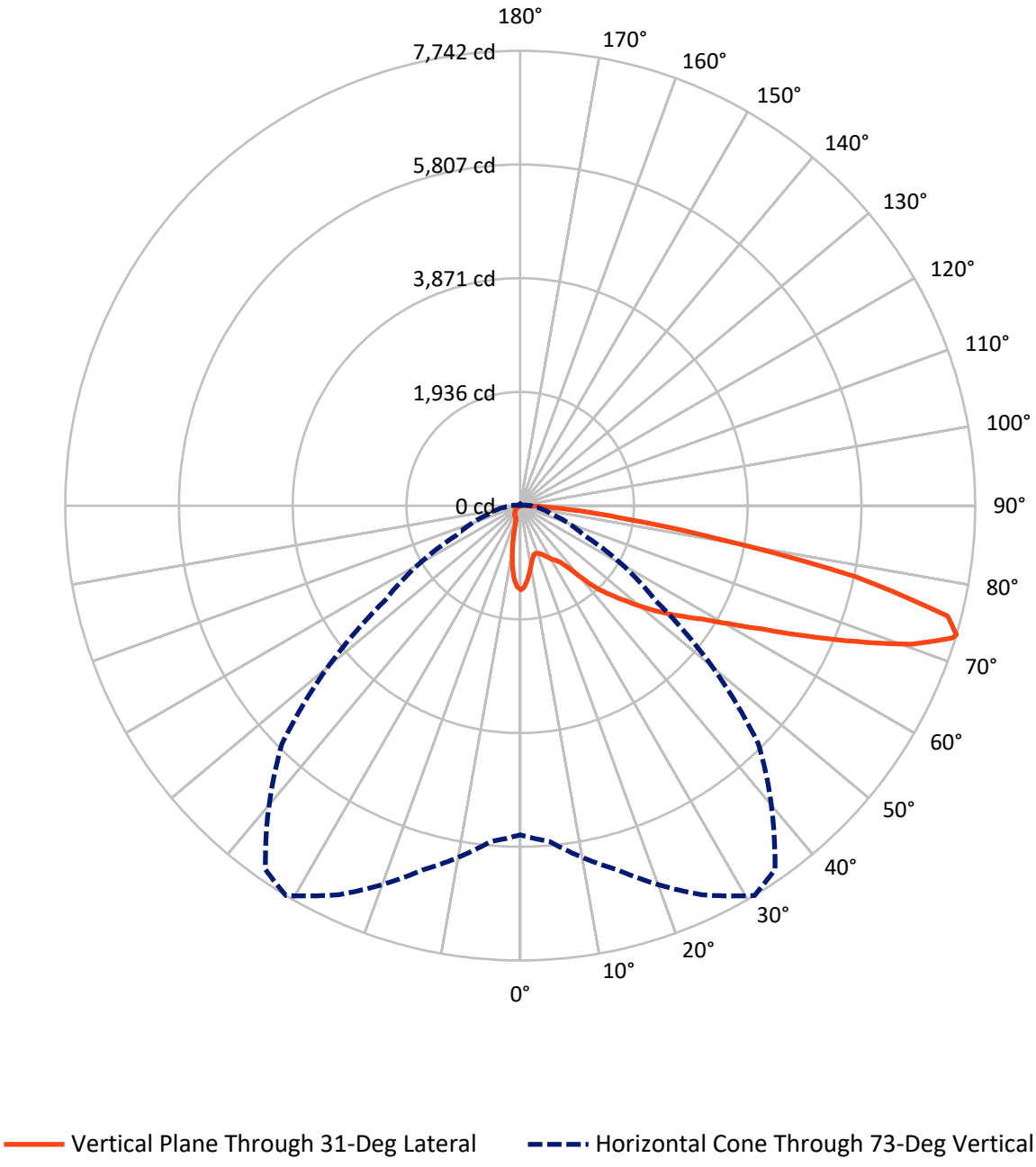
Luminous Intensity Polar Plot



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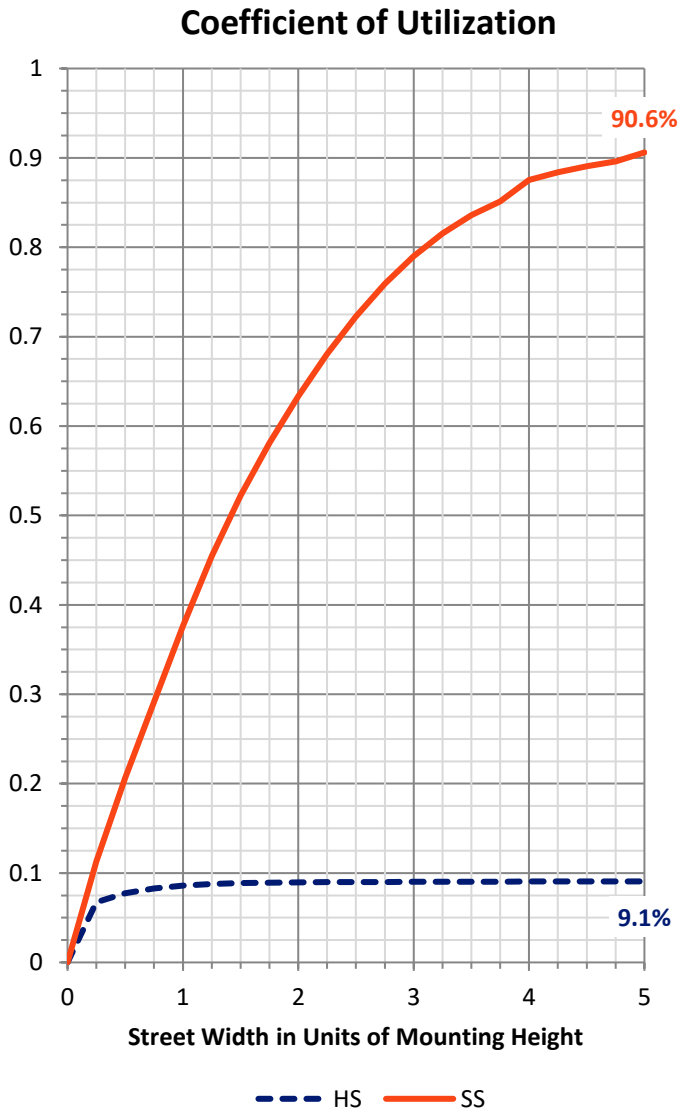
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	759.2	0.0	759.2
	% Fixture	9.1	0.0	9.1
Street Side	Lumens	7569.8	0.0	7569.8
	% Fixture	90.9	0.0	90.9
Total	Lumens	8329.0	0.0	8329.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	118.8	1.4
10°-20°	258.0	3.1
20°-30°	386.5	4.6
30°-40°	615.0	7.4
40°-50°	1098.2	13.2
50°-60°	1704.1	20.5
60°-70°	2265.3	27.2
70°-80°	1704.0	20.5
80°-90°	179.1	2.1
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°	8329.0	100.0
0°-180°	8329.0	100.0



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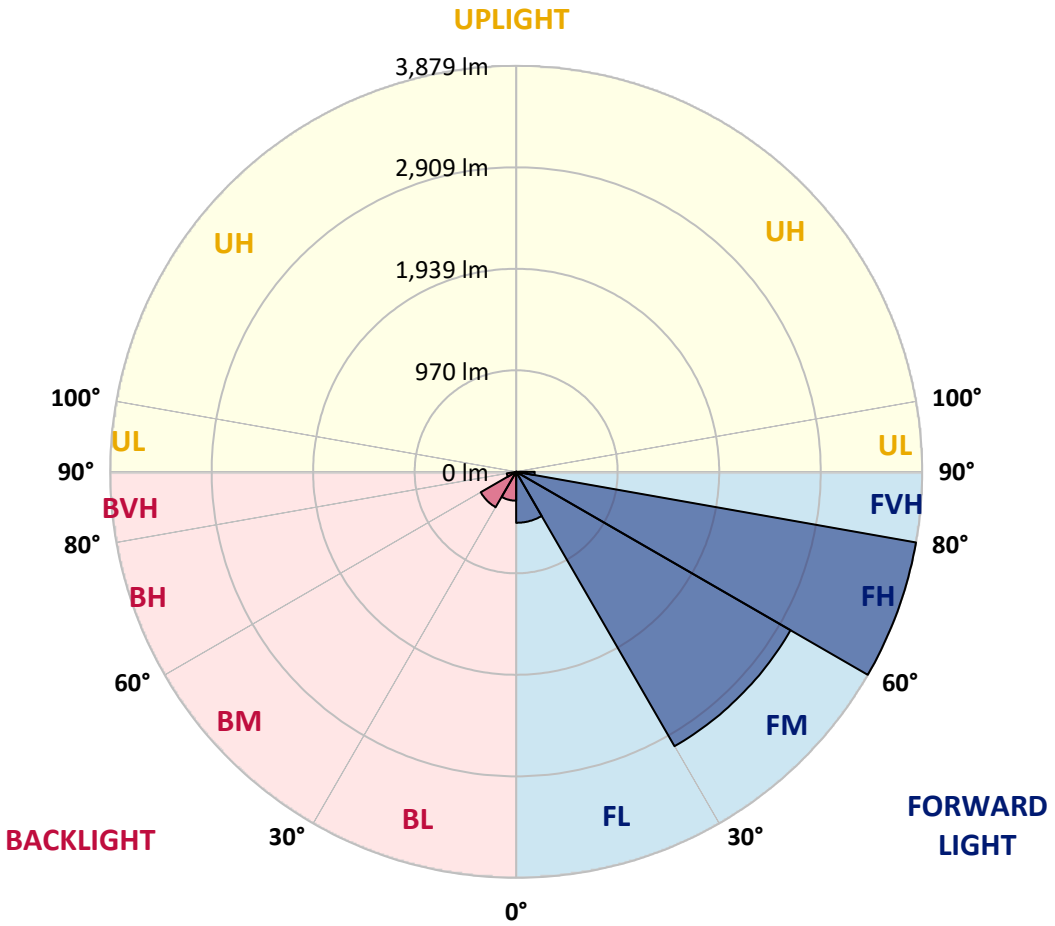
LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	487.3	5.9			
FM	(30°-60°)	3026.5	36.3			
FH	(60°-80°)	3878.5	46.6			G2/5000
FVH	(80°-90°)	177.5	2.1			G2/225
BL	(0°-30°)	276.1	3.3	B1/500		
BM	(30°-60°)	390.8	4.7	B1/1000		
BH	(60°-80°)	90.8	1.1	B0/110		G0/110
BVH	(80°-90°)	1.5	0.0			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 IV Short



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REPORT NUMBER: P386962
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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	31°	35°	45°	55°	65°	75°	85°
0°	1433.0	1433.0	1433.0	1433.0	*1433.0*	1433.0	1433.0	1433.0	1433.0	1433.0	1433.0
2.5°	1358.0	1363.7	1369.8	1371.1	*1381.3*	1381.7	1396.3	1407.3	1418.3	1428.9	1432.6
5°	1218.6	1228.0	1239.0	1250.0	*1271.6*	1280.2	1316.0	1352.7	1387.8	1421.2	1437.5
7.5°	1069.9	1080.5	1096.0	1123.3	*1147.3*	1164.0	1220.7	1285.9	1351.1	1412.6	1448.1
10°	934.2	943.9	960.2	989.2	*1026.3*	1049.1	1125.3	1215.8	1311.6	1404.9	1464.0
12.5°	847.7	853.0	862.0	893.0	*926.4*	952.1	1041.8	1153.8	1279.0	1404.5	1489.7
15°	831.9	833.5	826.1	840.0	*866.1*	891.0	981.8	1103.7	1254.1	1411.0	1523.1
17.5°	857.1	856.3	831.9	830.2	*851.0*	871.4	952.5	1069.1	1236.6	1426.1	1566.3
20°	895.4	892.6	850.2	842.5	*864.5*	883.6	950.5	1056.0	1230.1	1451.4	1618.9
22.5°	946.4	941.5	875.1	866.9	*890.5*	910.5	975.7	1068.7	1235.8	1485.2	1680.0
25°	1009.6	1002.2	917.9	908.9	*932.9*	952.9	1021.0	1104.9	1252.9	1526.4	1757.4
27.5°	1080.9	1070.3	986.3	963.1	*990.4*	1011.2	1081.3	1160.4	1279.8	1570.0	1852.4
30°	1148.1	1134.3	1058.5	1020.2	*1053.6*	1076.8	1146.5	1226.4	1323.0	1637.2	1982.4
32.5°	1215.8	1200.3	1122.9	1077.2	*1107.4*	1132.6	1213.7	1317.3	1404.1	1739.9	2155.2
35°	1371.5	1355.2	1260.2	1184.8	*1184.4*	1198.7	1307.9	1441.6	1511.3	1883.0	2361.5
37.5°	1633.5	1624.2	1533.7	1390.6	*1352.3*	1336.4	1436.3	1589.9	1665.3	2079.8	2594.2
40°	1920.5	1912.3	1810.8	1681.2	*1622.9*	1583.8	1620.5	1796.6	1883.0	2320.3	2831.8
42.5°	2244.5	2205.8	2024.8	1986.1	*1933.9*	1904.2	1871.2	2051.3	2150.3	2582.0	3067.4
45°	2538.8	2473.6	2238.8	2180.1	*2168.3*	2175.6	2194.0	2393.7	2451.1	2892.9	3302.1
47.5°	2714.0	2662.7	2482.5	2426.3	*2423.0*	2471.5	2610.1	2780.5	2750.7	3164.0	3508.8
50°	2880.7	2834.3	2684.7	2698.5	*2713.6*	2779.6	3082.5	3178.2	3024.2	3409.7	3698.3
52.5°	3015.6	2944.7	2866.5	2944.3	*3018.5*	3124.9	3569.9	3535.3	3218.2	3605.4	3860.5
55°	3093.5	3061.3	3099.2	3177.4	*3316.8*	3489.6	4030.1	3832.4	3360.0	3783.9	3968.5
57.5°	3378.8	3315.6	3391.0	3458.7	*3640.4*	3882.1	4424.2	4053.7	3462.3	3894.3	3993.4
60°	3724.0	3673.0	3717.5	3829.9	*4075.3*	4359.4	4792.6	4234.3	3515.7	3965.3	3929.0
62.5°	4273.4	4206.1	4178.4	4304.4	*4629.6*	4939.8	5072.2	4359.4	3503.9	3933.9	3708.1
65°	5009.5	4939.8	4815.9	4930.0	*5343.7*	5562.5	5384.8	4385.9	3422.4	3680.0	3149.7
67.5°	5763.5	5712.9	5607.0	5799.3	*6172.7*	6243.2	5715.4	4321.5	3159.9	2983.8	2225.3
70°	6261.5	6239.9	6308.8	6734.3	*7067.3*	7046.9	6018.6	3975.5	2463.0	1834.9	1100.9
72.5°	5902.5	6006.0	6514.6	7286.2	*7692.9*	7526.6	5862.9	3052.7	1407.8	705.9	318.3
73°	*5604.9*	*5737.4*	*6422.1*	*7306.9*	*7742.2*	*7560.0*	*5732.1*	*2802.1*	*1199.9*	*557.2*	*241.3*
75°	3899.2	4061.9	5316.8	6805.2	*7511.5*	7203.0	4778.0	1715.1	555.9	247.0	97.4
77.5°	1893.2	2013.4	2927.6	4916.9	*5841.7*	5627.7	2974.5	639.1	251.1	154.5	44.8
80°	706.7	785.8	1270.8	2502.5	*3375.9*	3464.4	1308.3	241.7	167.1	124.3	22.8
82.5°	185.0	206.2	468.7	1115.9	*1730.1*	1810.8	412.5	121.9	122.3	102.3	13.9
85°	59.1	67.7	146.3	500.9	*815.1*	715.7	107.6	59.1	88.9	76.2	7.7
87.5°	7.3	9.4	46.5	117.8	*179.7*	99.9	16.7	17.5	37.9	42.4	4.5
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: P386962
CATALOG NUMBER: GPC-SA2C-830-U-T4FT-HSS

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1433.0	1433.0	1433.0	1433.0	1433.0	1433.0	1433.0	1433.0	1433.0	1433.0	1433.0
2.5°	1436.3	1434.2	1434.7	1424.1	1417.1	1403.3	1389.0	1382.5	1375.6	1372.7	1375.6
5°	1443.6	1440.0	1429.4	1396.7	1362.1	1317.3	1275.3	1243.5	1203.6	1192.6	1204.0
7.5°	1455.0	1447.7	1416.7	1350.3	1273.3	1187.7	1091.5	1021.4	963.9	926.8	940.3
10°	1471.7	1457.9	1395.5	1282.6	1144.9	993.3	856.7	750.3	674.9	644.0	642.7
12.5°	1499.9	1473.8	1369.4	1194.6	988.0	785.8	606.9	491.5	430.4	390.9	390.0
15°	1530.8	1492.5	1336.4	1089.0	805.4	562.9	390.9	303.2	263.7	251.1	249.4
17.5°	1568.7	1514.1	1293.6	959.0	614.2	372.9	255.1	229.9	228.2	227.0	227.0
20°	1616.4	1539.8	1238.6	810.3	435.7	249.0	216.8	218.5	219.3	217.6	218.1
22.5°	1671.9	1565.9	1173.0	650.5	294.7	208.3	207.5	209.5	210.3	209.5	209.9
25°	1736.3	1596.1	1093.1	483.0	212.8	197.7	199.7	202.6	204.6	204.6	204.6
27.5°	1816.1	1632.7	996.9	337.1	183.8	186.7	192.4	197.7	200.5	201.3	201.3
30°	1920.1	1678.4	881.6	231.1	167.1	172.0	182.6	192.8	198.1	198.9	199.3
32.5°	2051.3	1729.7	747.9	170.8	152.8	156.5	167.9	185.0	195.2	196.9	196.9
35°	2201.7	1789.2	604.0	148.8	142.7	143.9	152.8	172.4	190.3	194.8	195.2
37.5°	2366.4	1847.9	459.3	139.0	134.1	134.1	140.6	157.3	178.5	192.4	194.0
40°	2520.0	1883.4	322.0	131.2	126.3	126.3	132.1	144.3	164.3	185.0	189.5
42.5°	2661.8	1895.6	224.2	123.9	119.0	120.2	125.1	134.9	150.0	170.8	174.8
45°	2807.8	1893.6	163.4	115.3	111.7	115.3	119.0	126.3	137.4	149.2	150.0
47.5°	2917.8	1876.5	129.6	107.2	104.7	109.6	112.9	117.8	123.9	123.1	123.1
50°	3020.9	1834.9	104.3	96.2	97.8	103.5	105.2	106.8	107.2	99.4	98.6
52.5°	3099.2	1770.1	83.6	84.4	90.9	96.6	95.0	92.5	88.4	79.1	77.4
55°	3125.3	1645.4	65.6	69.7	80.7	88.0	81.9	76.6	68.9	61.1	59.5
57.5°	3078.0	1484.4	53.4	54.2	68.1	74.2	67.2	61.1	52.6	46.1	44.8
60°	2977.7	1305.5	44.0	40.8	52.6	57.9	53.4	47.3	39.5	34.6	34.2
62.5°	2778.8	1114.7	36.3	31.8	39.9	44.4	41.6	37.1	30.6	27.3	26.9
65°	2360.7	891.8	29.3	25.7	31.0	34.6	32.2	28.9	24.0	21.6	21.2
67.5°	1647.8	602.8	24.0	21.2	24.5	27.3	25.3	23.6	19.2	18.7	19.2
70°	794.8	290.6	20.0	17.1	19.2	21.2	20.4	19.2	18.3	21.2	24.5
72.5°	227.8	97.4	15.9	14.3	15.5	16.7	17.5	17.1	20.0	25.7	29.8
73°	*175.3*	*78.7*	*15.1*	*13.4*	*14.7*	*16.3*	*17.1*	*16.7*	*20.4*	*26.1*	*29.8*
75°	75.0	37.9	11.4	11.0	12.2	14.3	15.1	15.1	20.4	26.5	28.5
77.5°	33.8	20.4	7.3	8.6	10.6	11.4	12.6	12.6	16.3	20.4	20.4
80°	19.2	11.0	5.7	6.5	7.7	7.7	7.7	6.9	7.3	8.2	9.0
82.5°	12.2	7.3	4.5	5.3	4.9	4.1	3.3	3.3	2.9	3.3	4.1
85°	6.9	4.1	4.1	3.3	2.0	1.6	2.0	1.6	0.4	0.0	0.4
87.5°	4.1	2.4	1.2	0.0	0.0	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

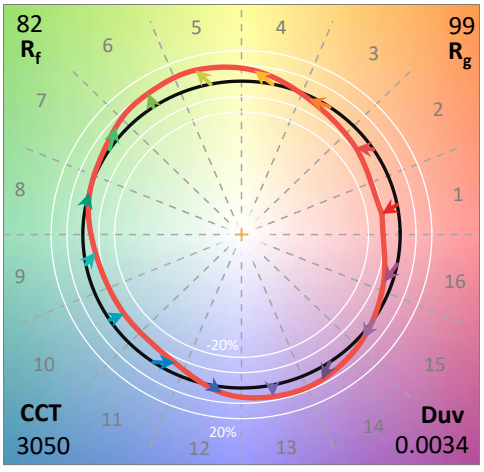
Test Information

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

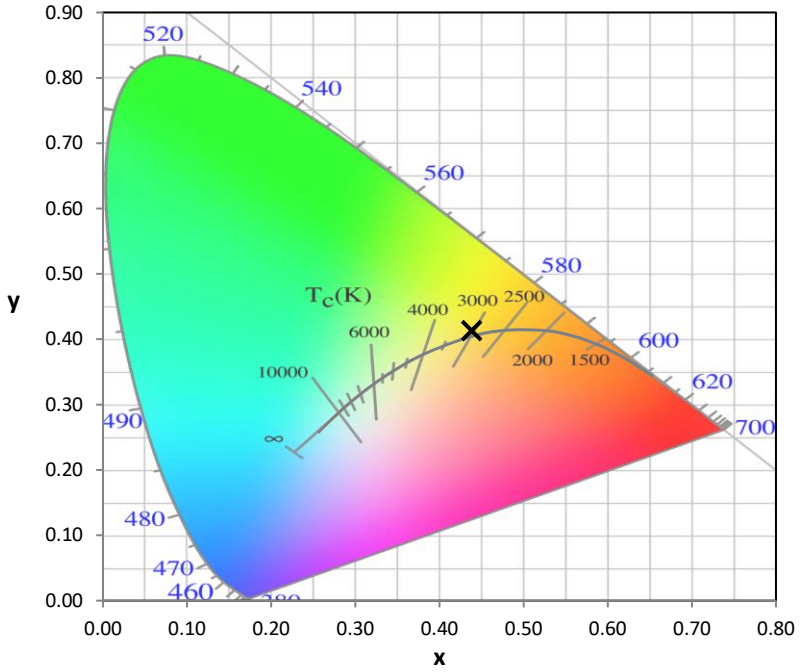
Stabilization Time:	20M
Operation Time:	1H 20M
Sphere Temperature (°C):	24.2

REPORT NUMBER: SP1-2408-195-9

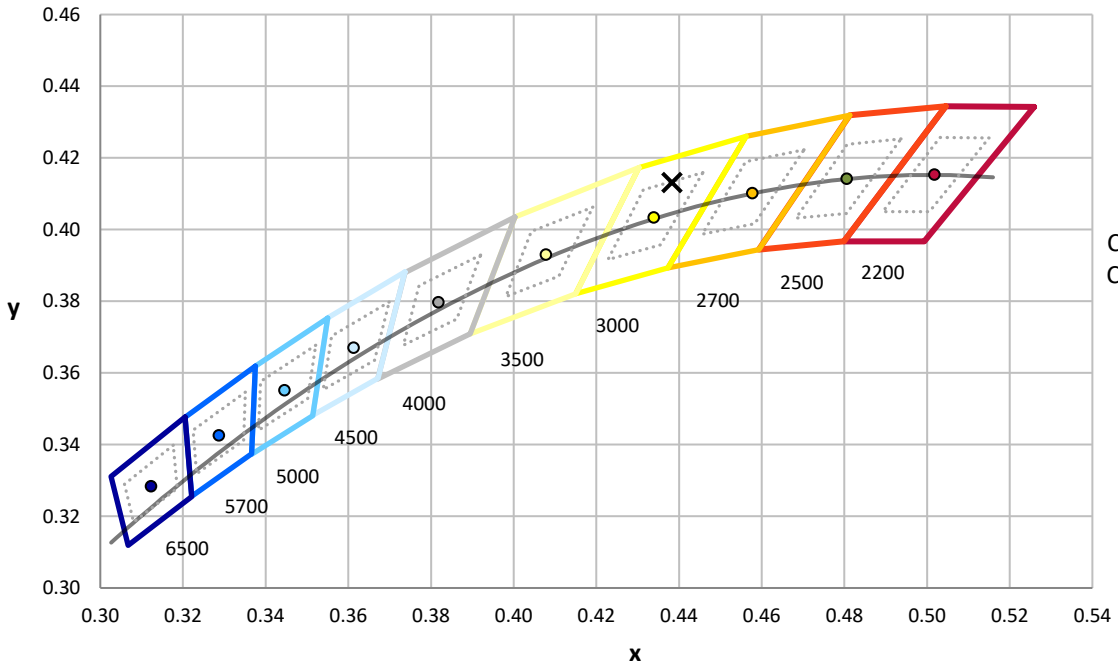
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

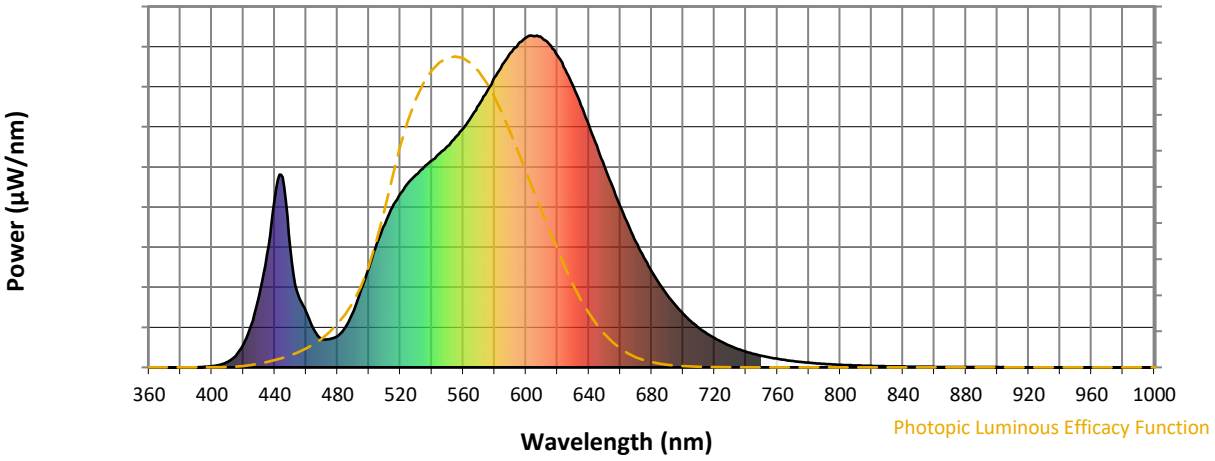


CCT = 3050K
CIE x = 0.4383
CIE y = 0.4131
Duv = 0.0034

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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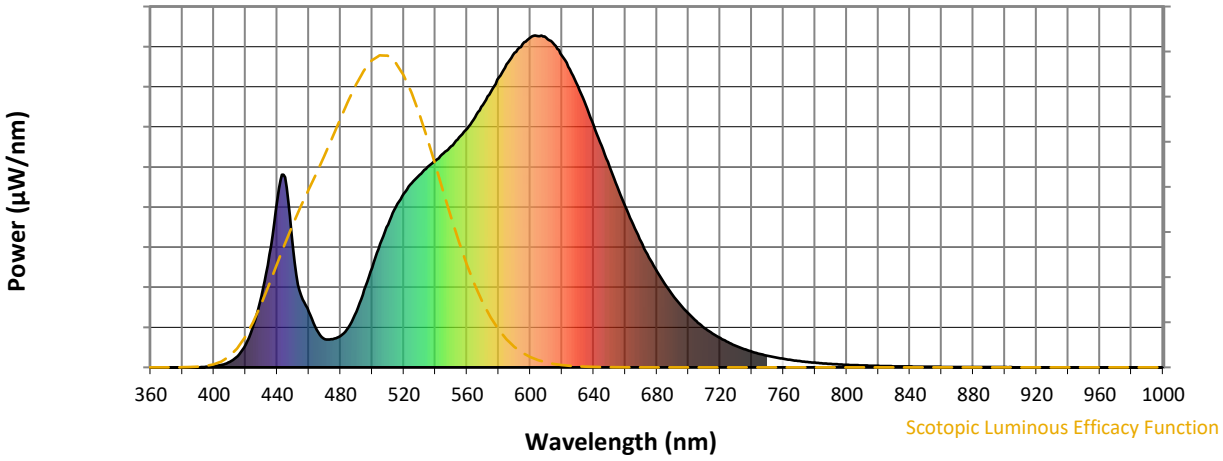
Scotopic Flux vs. Wavelength



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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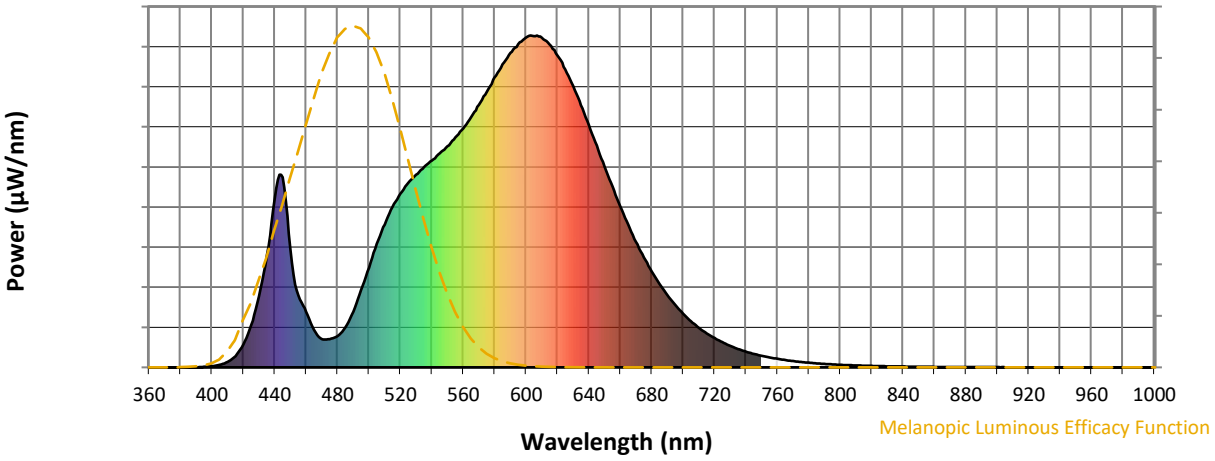
Melanopic Flux vs. Wavelength



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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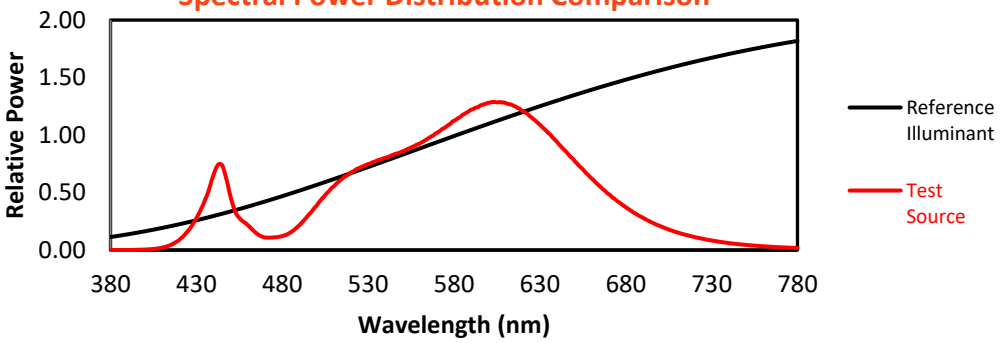
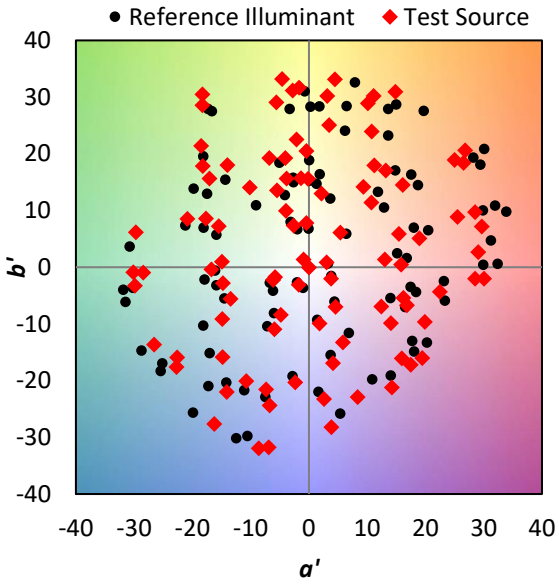
Summary

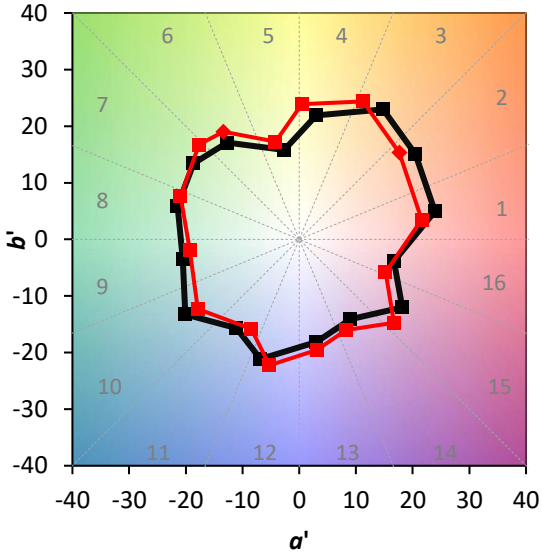
R_f = 81.5
R_g = 99.2
CIE R_a = 81.0
R_9 = 7.1

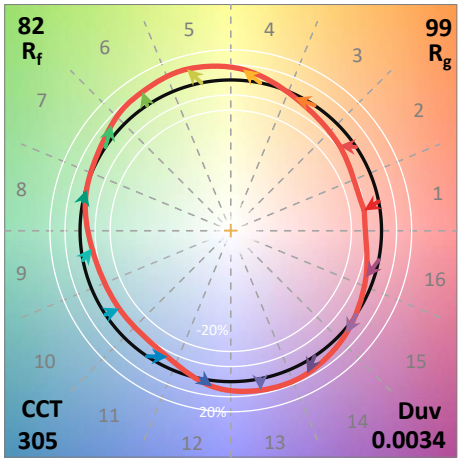
Spectral Power Distribution Comparison

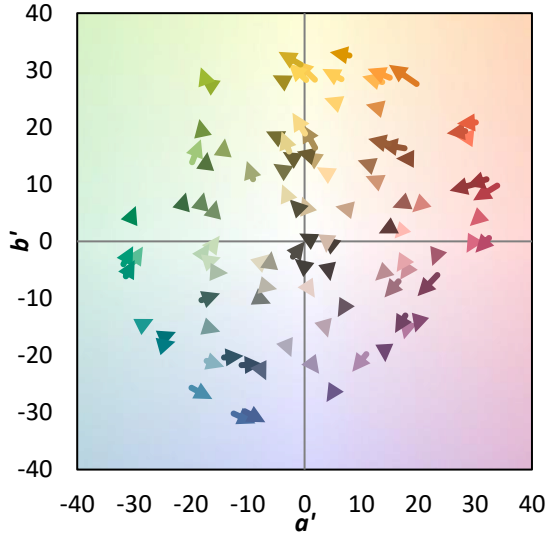


Color Vector Graphics









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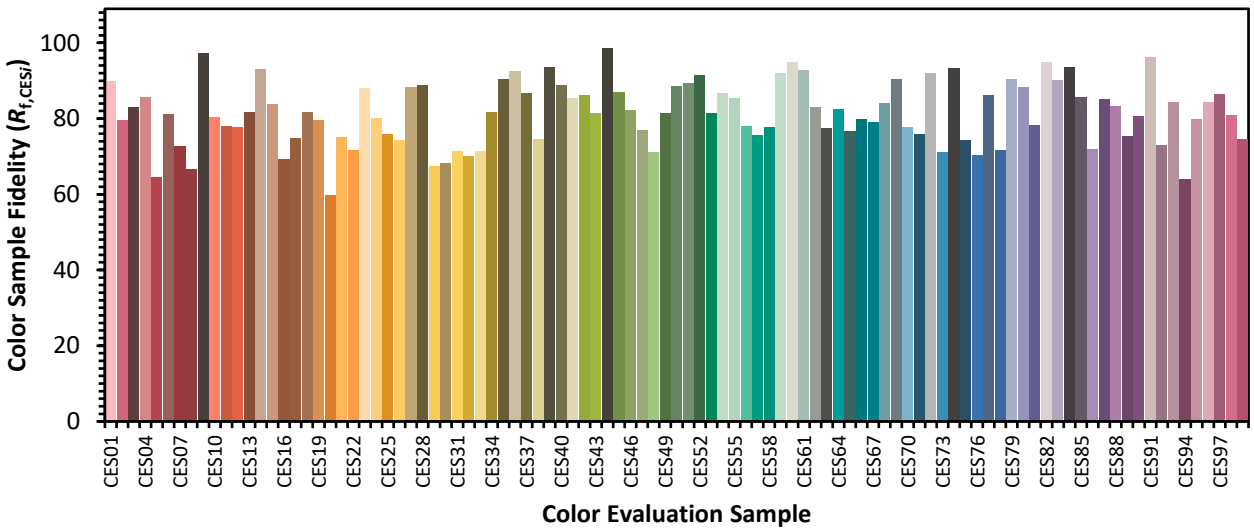
Individual Sample Fidelity Index ($R_{f,i}$)

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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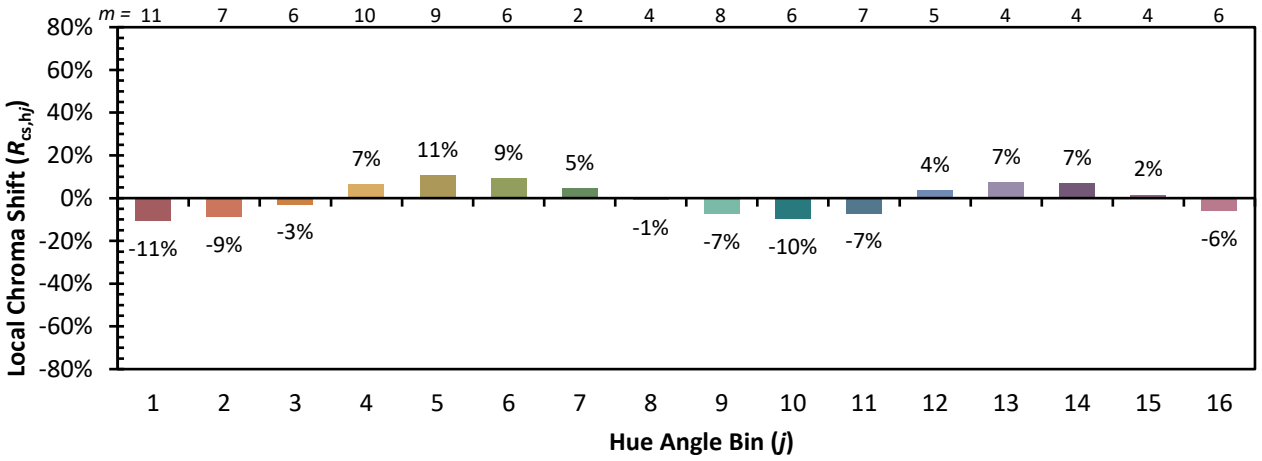
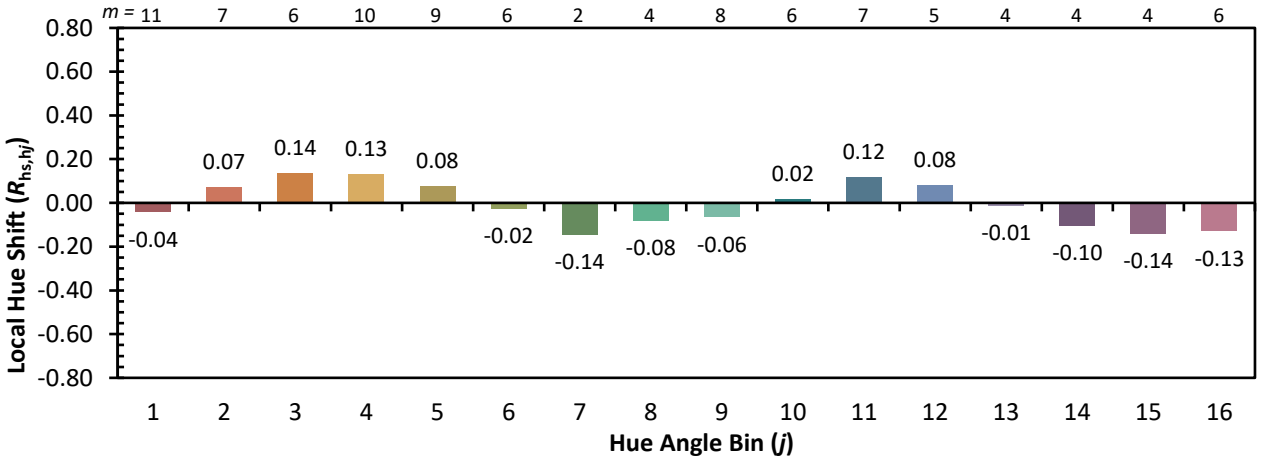
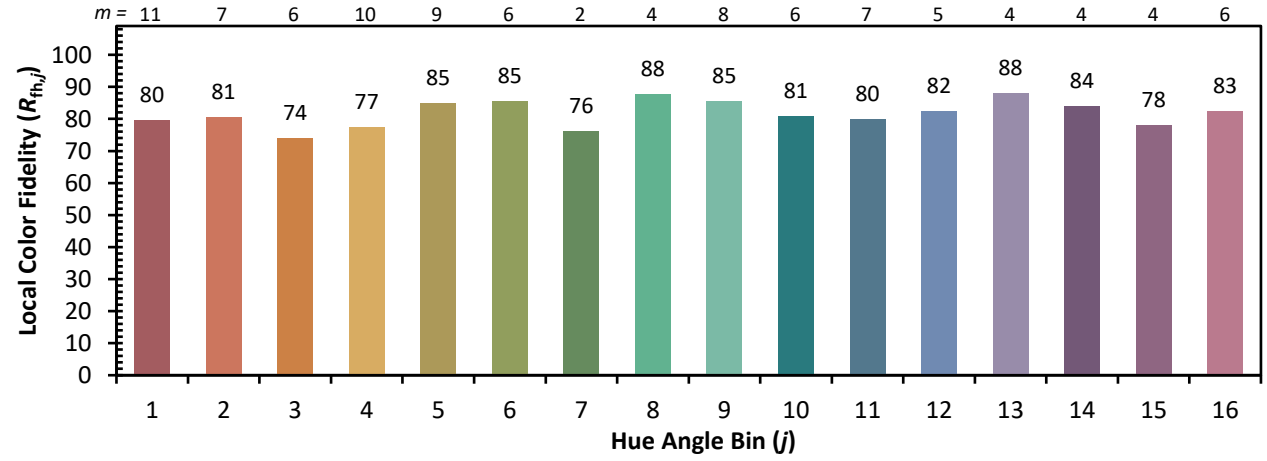
Color Rendition by Hue-Angle Bin







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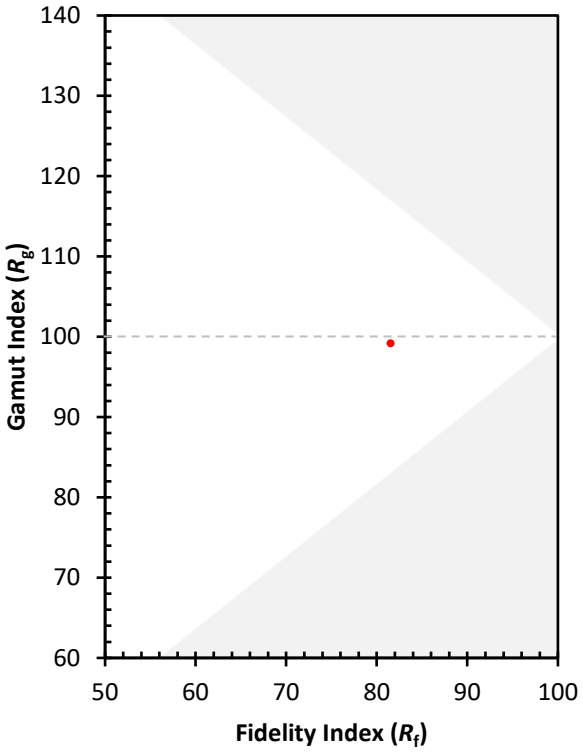
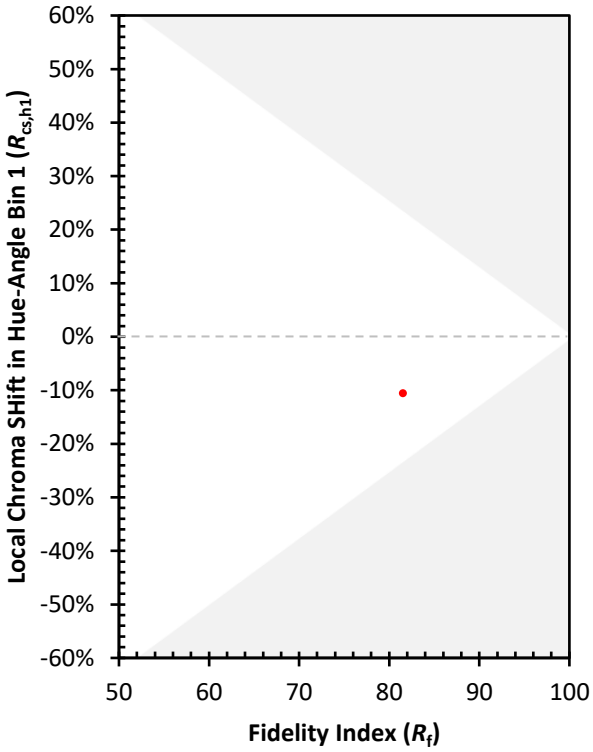
Measure Comparisons





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