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: P387178

Luminaire Tested: **GPC-SA2D-830-U-T2-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:	P387178
	TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-13)
Test Lab:	INNOVATION CENTER
Issue Date:	3/3/2020
Manufacturer:	COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line:	McGRAW-EDISON
Catalog Number:	GPC-SA2D-830-U-T2-HSS
Description:	GALLEON PEDESTRIAN LUMINAIRE
	(2) 80 CRI, 3000K, 1200mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II OPTICS WITH HOUSE SIDE SHIELD
Light Source:	-
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	9153 lumens
Efficiency:	N/A
Efficacy:	71.5 lumens/watt
Luminous Opening:	Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification:	Type II - Medium
BUG Rating:	B1 - U0 - G2

Input Watts (W):	128
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: P387178
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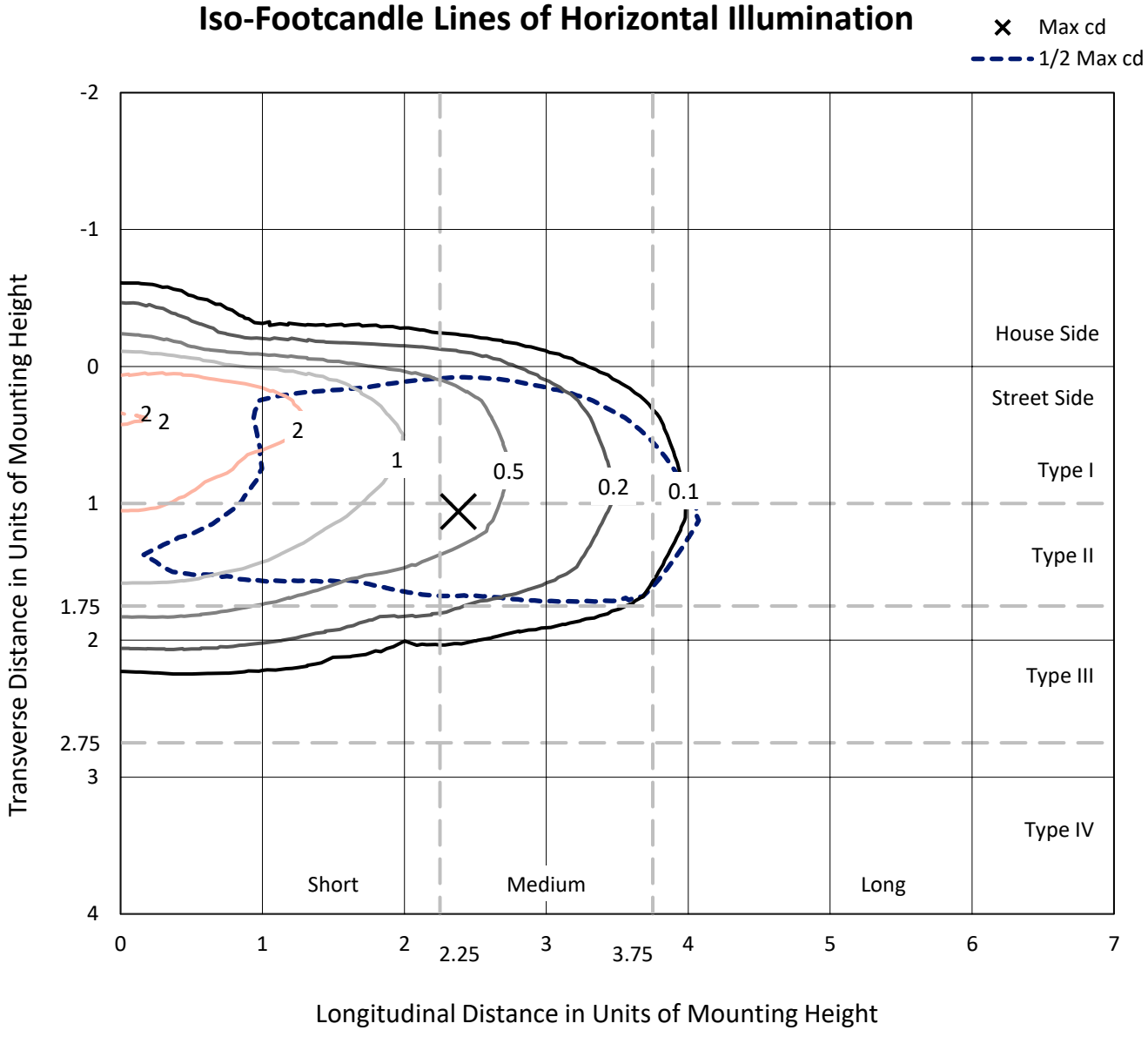
Iso-Footcandle Lines of Horizontal Illumination



Based on 25 foot mounting height. Maximum calculated value = 2.8 fc
Type II - Medium - N/A

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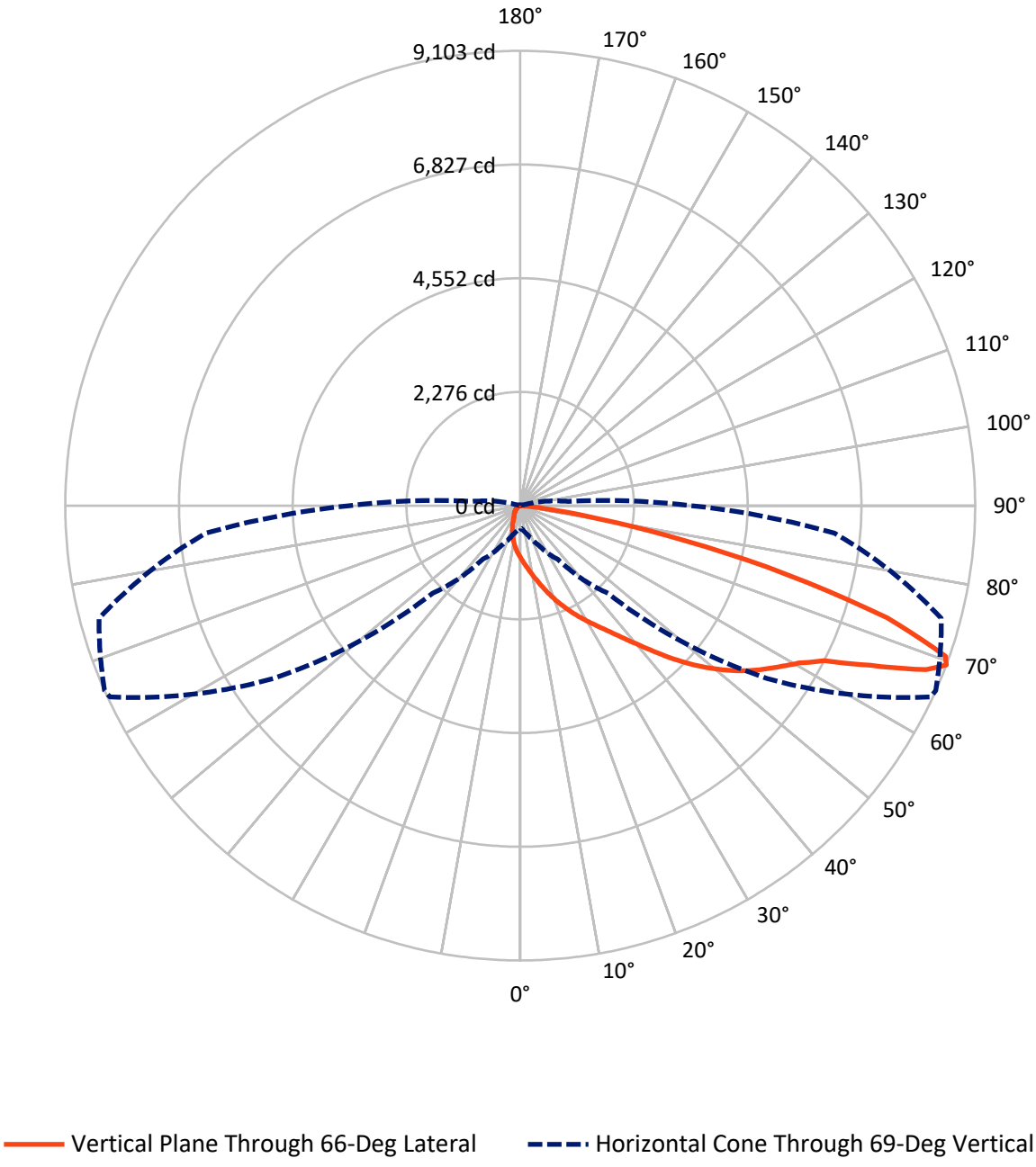
Luminous Intensity Polar Plot



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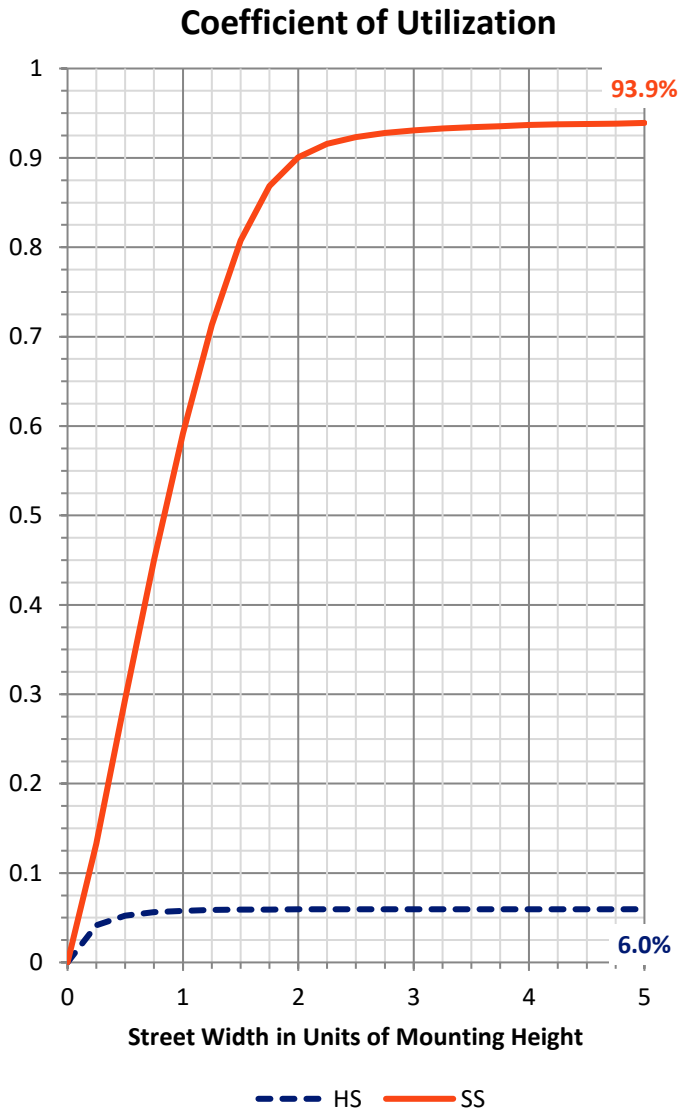
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	549.1	0.0	549.1
	% Fixture	6.0	0.0	6.0
Street Side	Lumens	8604.0	0.0	8604.0
	% Fixture	94.0	0.0	94.0
Total	Lumens	9153.0	0.0	9153.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	100.7	1.1
10°-20°	299.7	3.3
20°-30°	521.8	5.7
30°-40°	915.6	10.0
40°-50°	1532.5	16.7
50°-60°	2252.6	24.6
60°-70°	2312.9	25.3
70°-80°	1141.8	12.5
80°-90°	75.5	0.8
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°	9153.0	100.0
0°-180°	9153.0	100.0



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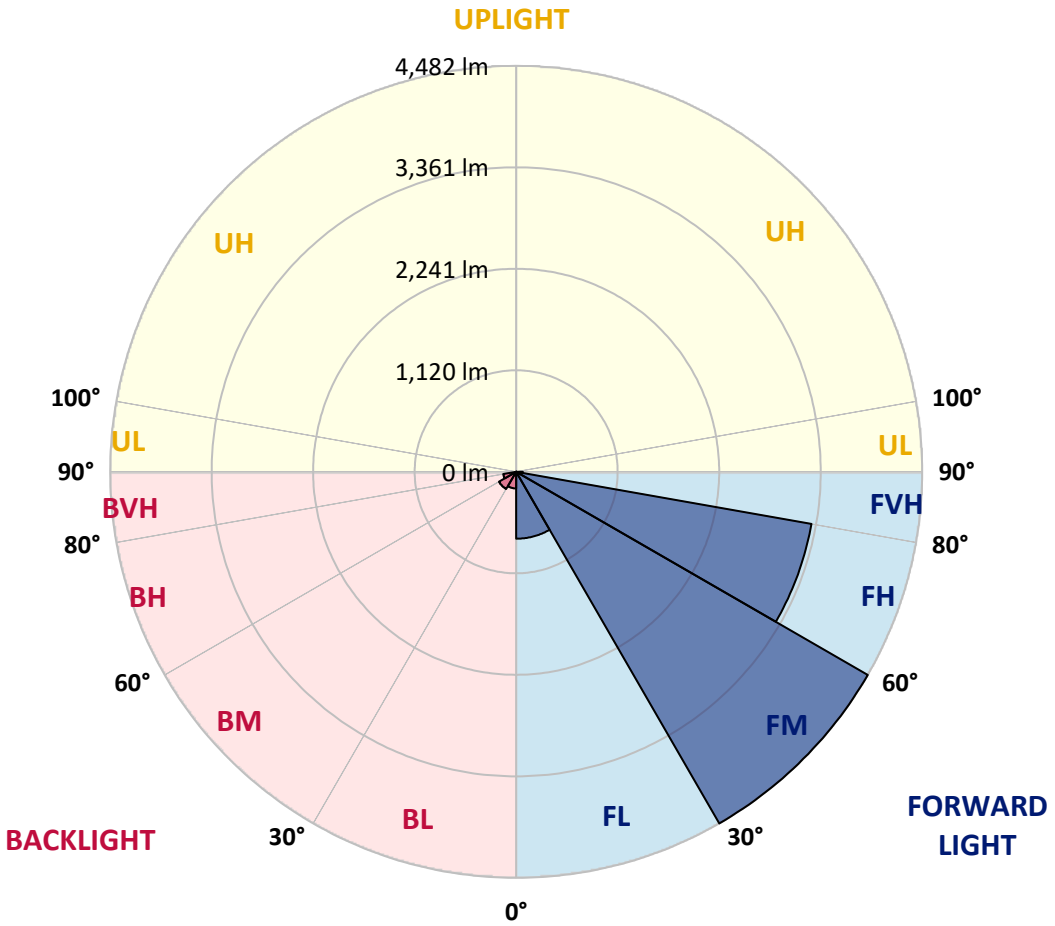
LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	738.6	8.1			
FM	(30°-60°)	4481.7	49.0			
FH	(60°-80°)	3310.0	36.2			G2/5000
FVH	(80°-90°)	73.7	0.8			G1/100
BL	(0°-30°)	183.6	2.0	B1/500		
BM	(30°-60°)	218.9	2.4	B0/220		
BH	(60°-80°)	144.7	1.6	B1/500		G1/500
BVH	(80°-90°)	1.8	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 II Medium



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REPORT NUMBER: P387178
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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	66°	75°	85°
0°	1041.6	1041.6	1041.6	1041.6	1041.6	1041.6	1041.6	1041.6	*1041.6*	1041.6	1041.6
2.5°	1226.0	1220.8	1218.6	1209.0	1192.5	1179.9	1155.5	1127.3	*1122.1*	1094.7	1061.2
5°	1385.1	1380.7	1377.7	1364.2	1347.3	1315.5	1271.2	1218.6	*1208.6*	1156.4	1089.5
7.5°	1495.9	1503.8	1503.8	1495.1	1473.8	1449.9	1395.5	1323.8	*1311.2*	1231.2	1127.3
10°	1560.7	1570.3	1577.7	1585.1	1582.0	1572.5	1521.2	1440.3	*1425.1*	1319.0	1171.2
12.5°	1566.8	1576.4	1597.2	1628.1	1658.1	1679.8	1647.7	1569.4	*1552.0*	1420.7	1223.4
15°	1532.9	1542.9	1575.1	1635.1	1707.7	1771.1	1781.6	1712.4	*1694.6*	1542.0	1288.6
17.5°	1473.8	1480.3	1526.4	1609.4	1723.3	1839.8	1902.9	1865.9	*1849.4*	1680.7	1361.2
20°	1429.9	1434.6	1475.1	1564.2	1713.8	1882.9	2017.6	2028.9	*2011.5*	1829.4	1439.9
22.5°	1505.1	1513.8	1515.1	1557.2	1687.7	1904.2	2118.5	2189.4	*2176.3*	1987.2	1517.2
25°	1710.7	1720.7	1687.7	1661.6	1709.8	1913.7	2205.0	2353.7	*2343.3*	2157.2	1595.1
27.5°	1982.4	1992.9	1950.3	1872.4	1825.9	1949.8	2282.0	2520.6	*2520.2*	2337.2	1679.0
30°	2249.4	2259.8	2216.3	2138.5	2031.5	2052.0	2348.5	2695.4	*2698.0*	2522.8	1768.1
32.5°	2529.3	2542.4	2497.6	2397.6	2285.9	2228.5	2441.9	2871.0	*2885.8*	2738.0	1868.5
35°	2847.6	2849.3	2786.3	2681.5	2552.8	2464.5	2591.9	3068.0	*3103.2*	3004.5	1995.9
37.5°	3159.7	3172.3	3120.6	2955.4	2837.1	2737.1	2815.0	3314.0	*3364.0*	3330.1	2162.4
40°	3391.0	3417.5	3410.1	3231.9	3119.7	3048.4	3091.9	3606.6	*3670.1*	3709.2	2372.4
42.5°	3536.2	3556.2	3590.1	3482.7	3381.0	3392.7	3418.8	3947.5	*4025.7*	4141.3	2613.7
45°	3702.7	3712.3	3740.5	3693.1	3624.4	3742.7	3765.7	4331.3	*4413.5*	4606.1	2881.5
47.5°	3906.2	3928.8	3936.6	3893.1	3861.8	4052.2	4100.0	4680.4	*4795.6*	5103.9	3164.9
50°	4165.3	4171.3	4184.8	4156.6	4125.3	4318.3	4400.0	5046.9	*5151.7*	5603.4	3444.5
52.5°	4418.7	4440.5	4487.4	4469.6	4457.0	4544.8	4667.4	5377.3	*5494.3*	6019.9	3723.6
55°	4491.7	4510.4	4672.6	4783.5	4886.1	4823.9	4923.0	5673.4	*5799.9*	6392.0	3992.2
57.5°	4200.0	4237.9	4518.7	4807.4	5233.0	5257.8	5274.3	5977.3	*6090.7*	6677.2	4271.8
60°	3462.7	3470.1	3930.9	4426.1	5175.6	5636.4	5787.3	6303.8	*6399.0*	6942.8	4606.5
62.5°	2202.4	2277.6	2783.2	3482.3	4568.7	5581.6	6407.7	6797.6	*6832.4*	7261.5	5086.5
65°	1049.0	1097.7	1462.0	2151.5	3309.3	4880.4	6835.9	7691.0	*7706.7*	7893.2	5727.7
67.5°	580.8	604.3	777.8	1158.2	1934.6	3451.4	6662.8	8749.2	*8764.0*	8538.3	6290.3
69°	*454.3*	*474.3*	*610.8*	*873.0*	*1311.6*	*2480.6*	*6029.4*	*9059.1*	*9103.1*	*8723.1*	*6310.3*
70°	385.6	405.2	526.0	737.3	1054.7	1916.8	5366.9	8982.2	*9028.7*	8705.7	6161.2
72.5°	236.1	247.4	350.4	519.1	706.9	964.3	3309.7	7596.2	*7674.9*	7985.8	5295.2
75°	159.1	165.2	219.1	358.2	505.6	496.5	1719.4	5354.3	*5524.7*	6212.0	3910.9
77.5°	113.9	119.6	146.9	231.7	354.3	327.8	778.6	3327.5	*3364.0*	3725.7	2132.8
80°	64.8	70.0	103.9	137.8	240.4	218.7	309.5	1589.4	*1607.7*	1597.7	712.1
82.5°	33.9	38.3	57.0	90.9	154.3	143.0	128.7	532.1	*534.7*	444.7	156.1
85°	6.5	7.8	28.3	62.2	79.6	62.2	52.6	124.8	*127.4*	112.6	38.7
87.5°	0.0	0.4	11.3	13.9	15.7	16.1	17.0	24.3	*26.1*	35.2	10.4
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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Scaled Data Report

REPORT NUMBER: P387178
CATALOG NUMBER: GPC-SA2D-830-U-T2-HSS

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1041.6	1041.6	1041.6	1041.6	1041.6	1041.6	1041.6	1041.6	1041.6	1041.6	1041.6
2.5°	1046.4	1030.8	1000.8	966.0	939.0	912.5	891.7	869.9	862.1	858.2	857.7
5°	1056.9	1023.8	960.3	895.1	841.7	791.2	755.1	720.8	704.7	697.3	694.3
7.5°	1074.2	1021.2	919.0	819.5	742.5	679.5	629.5	592.1	573.4	565.6	562.6
10°	1094.7	1017.7	870.8	739.5	641.2	576.0	526.5	489.5	469.1	460.4	456.0
12.5°	1118.6	1011.6	815.1	658.6	554.7	489.5	429.5	383.9	360.4	350.4	345.6
15°	1148.2	1005.6	756.9	582.6	478.7	399.1	333.4	302.6	297.8	296.1	296.5
17.5°	1177.3	996.0	693.4	507.3	398.7	311.7	278.2	276.5	277.4	277.4	277.4
20°	1203.4	974.3	624.3	443.0	322.6	263.0	256.1	253.0	250.8	249.1	246.9
22.5°	1223.8	945.1	557.8	379.1	263.5	240.8	230.0	220.4	212.6	207.4	204.8
25°	1237.7	906.4	496.9	317.8	236.9	219.1	199.5	183.5	171.3	163.9	160.9
27.5°	1248.1	864.7	442.6	266.1	218.7	193.9	168.2	149.1	136.5	130.0	127.4
30°	1255.5	817.3	394.7	233.9	198.2	167.4	140.0	121.3	112.2	108.7	106.9
32.5°	1262.5	764.7	349.5	218.7	179.1	143.0	117.4	103.0	97.4	93.0	91.7
35°	1279.9	716.0	306.5	202.6	159.6	122.2	100.9	90.4	84.8	82.2	81.3
37.5°	1321.2	679.9	265.2	186.1	140.0	105.6	88.3	80.9	75.6	73.0	72.2
40°	1387.7	661.7	230.4	168.2	120.9	93.0	80.0	73.0	67.4	63.5	62.6
42.5°	1485.5	664.3	206.1	150.4	105.6	83.0	72.2	63.9	57.8	54.3	53.5
45°	1604.2	683.4	189.1	133.0	93.0	75.2	63.5	54.8	49.1	46.1	45.2
47.5°	1732.9	714.3	175.2	117.4	83.0	67.8	54.8	45.6	40.9	38.3	37.8
50°	1868.5	744.3	160.9	102.2	74.3	60.4	46.1	37.8	33.9	31.7	30.9
52.5°	2005.9	779.1	147.8	88.3	67.0	51.7	38.3	30.9	27.8	26.1	25.2
55°	2153.7	805.1	135.2	77.4	59.6	43.9	31.7	25.6	23.0	20.9	20.4
57.5°	2327.6	845.6	122.2	67.0	50.9	36.5	26.1	20.4	18.3	16.1	15.7
60°	2562.4	893.0	108.3	59.1	41.7	30.0	21.3	16.5	13.9	12.2	11.7
62.5°	2871.9	945.6	90.9	51.7	33.9	24.3	17.0	13.0	10.0	7.8	7.8
65°	3264.5	1031.2	74.3	43.5	27.8	20.0	13.0	9.6	5.7	3.5	3.5
67.5°	3493.6	1046.0	60.0	35.6	22.6	17.0	10.9	6.5	1.7	0.4	0.0
69°	*3420.1*	*960.3*	*50.9*	*30.4*	*19.6*	*16.1*	*10.0*	*4.8*	*0.9*	*0.0*	*0.0*
70°	3281.9	878.2	44.8	27.0	17.8	15.2	9.6	3.5	0.9	0.0	0.0
72.5°	2711.9	625.2	33.9	20.0	13.0	13.5	8.7	2.2	0.9	0.0	0.0
75°	1975.5	380.0	24.3	13.9	8.3	10.0	6.1	0.9	0.4	0.0	0.0
77.5°	1099.0	179.1	15.2	7.8	5.2	6.1	3.0	0.0	0.0	0.0	0.0
80°	356.9	48.7	7.0	4.3	3.0	3.5	1.3	0.0	0.0	0.0	0.0
82.5°	66.1	13.9	3.9	2.2	0.9	0.9	0.0	0.0	0.0	0.0	0.0
85°	14.3	5.7	2.2	0.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	4.8	1.7	0.4	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

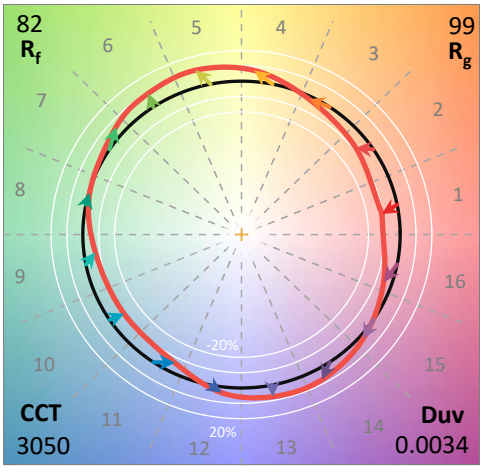
Test Information

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

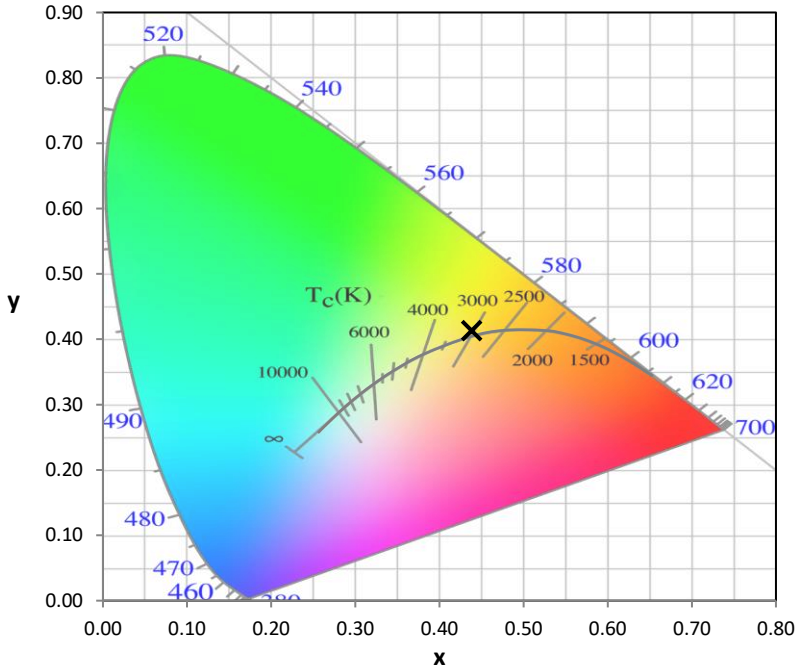
Stabilization Time:	20M
Operation Time:	1H 20M
Sphere Temperature (°C):	24.2

REPORT NUMBER: SP1-2408-195-9

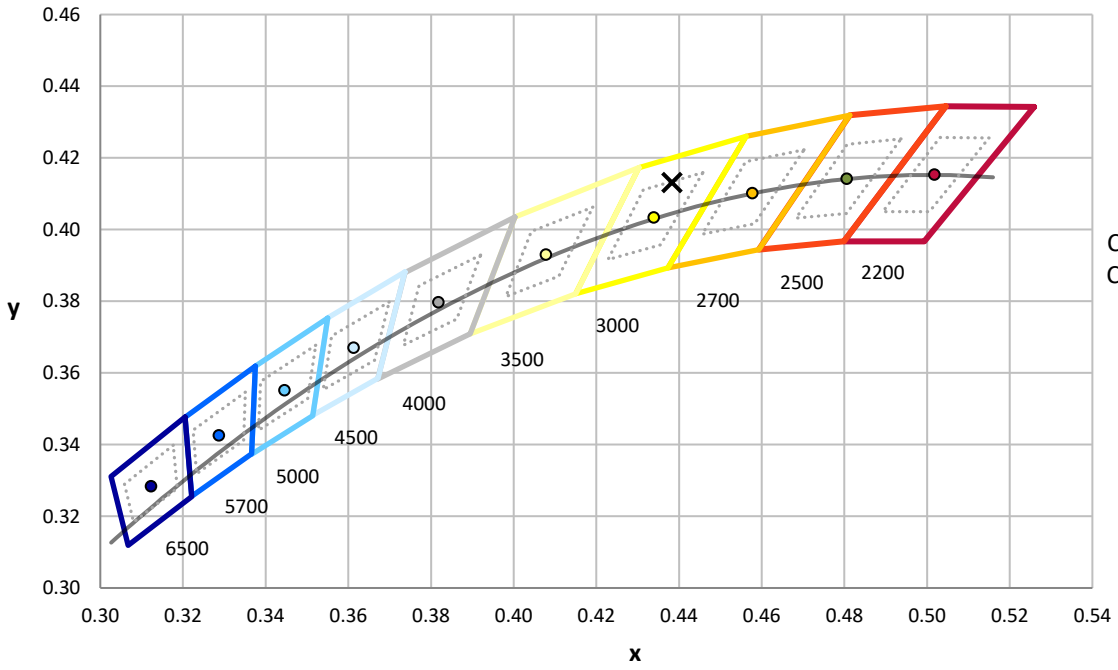
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

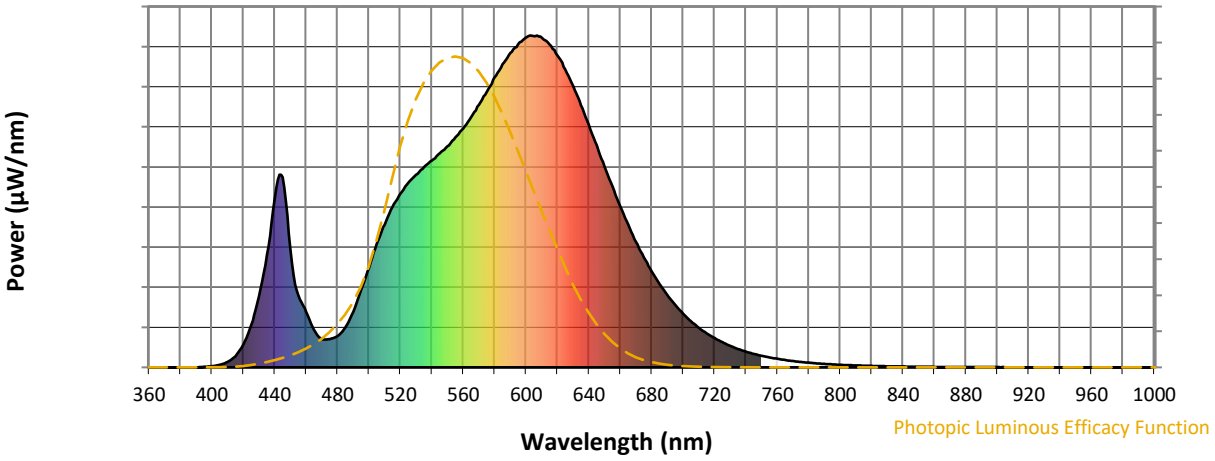


CCT = 3050K
CIE x = 0.4383
CIE y = 0.4131
Duv = 0.0034

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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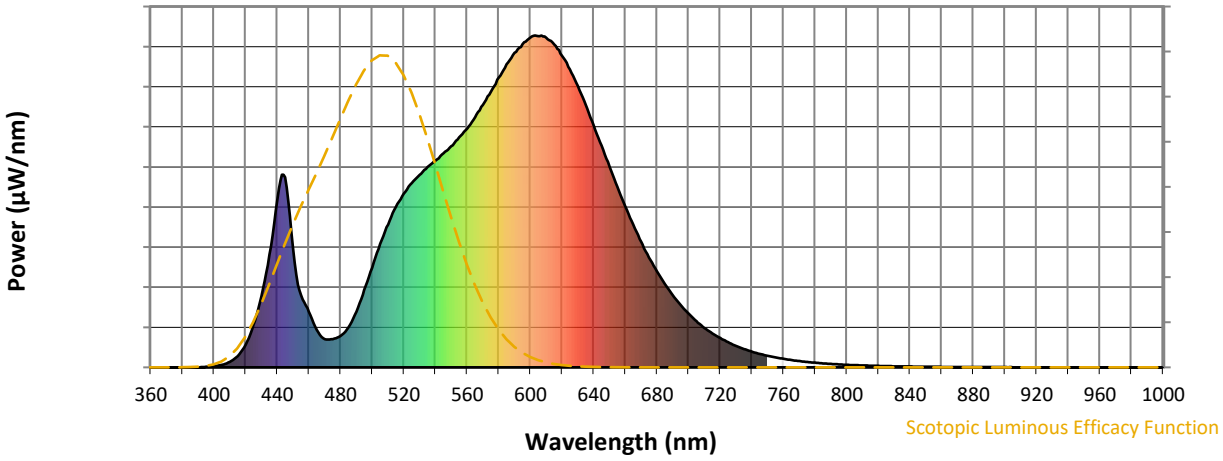
Scotopic Flux vs. Wavelength



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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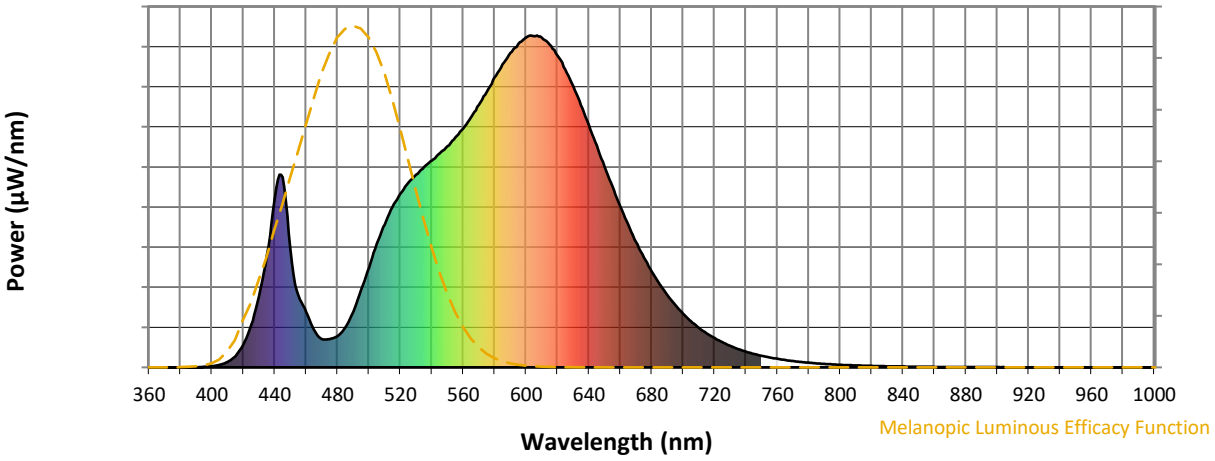
Melanopic Flux vs. Wavelength



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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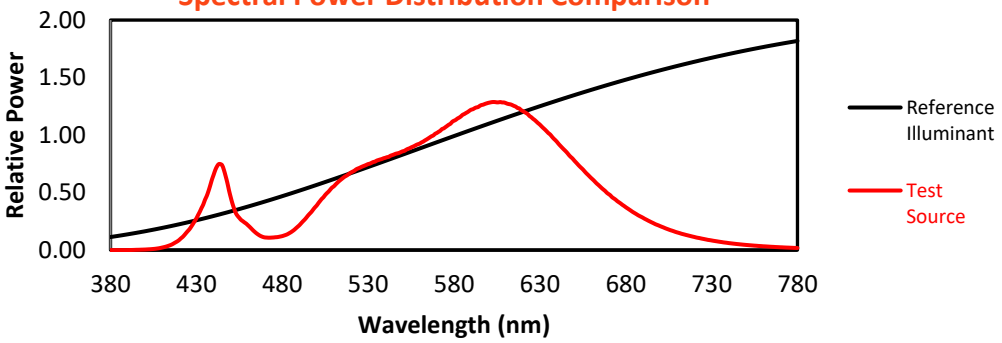
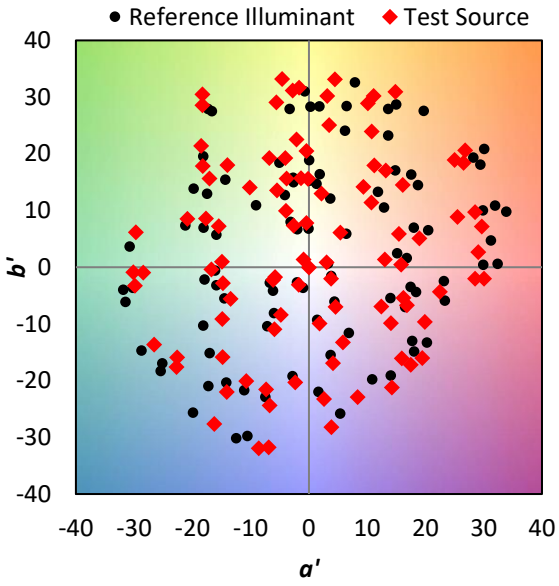
Summary

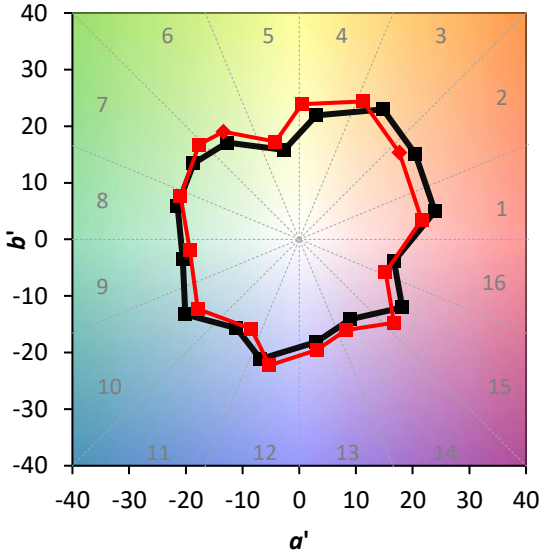
R_f = 81.5
R_g = 99.2
CIE R_a = 81.0
R_9 = 7.1

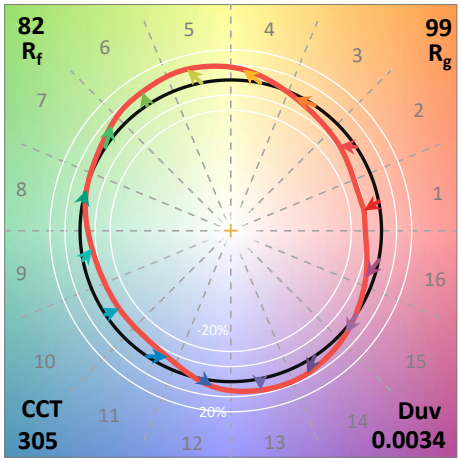
Spectral Power Distribution Comparison

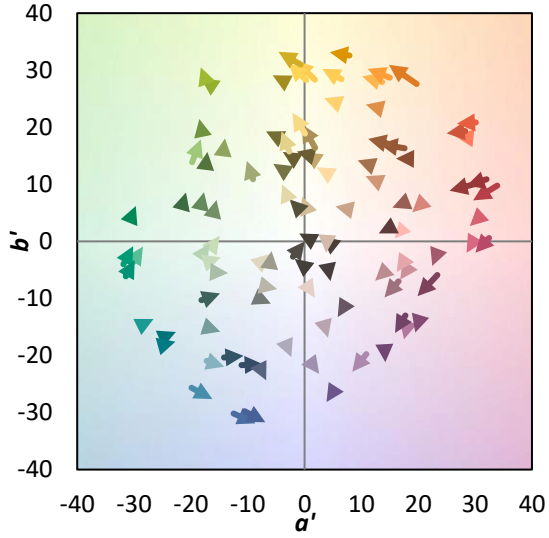


Color Vector Graphics









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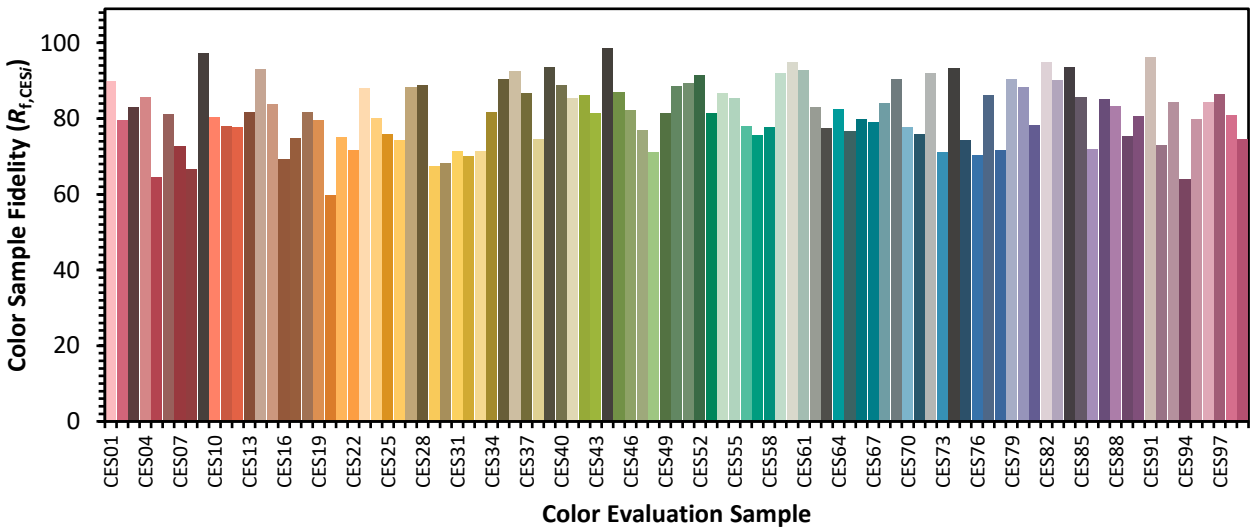
Individual Sample Fidelity Index ($R_{f,i}$)

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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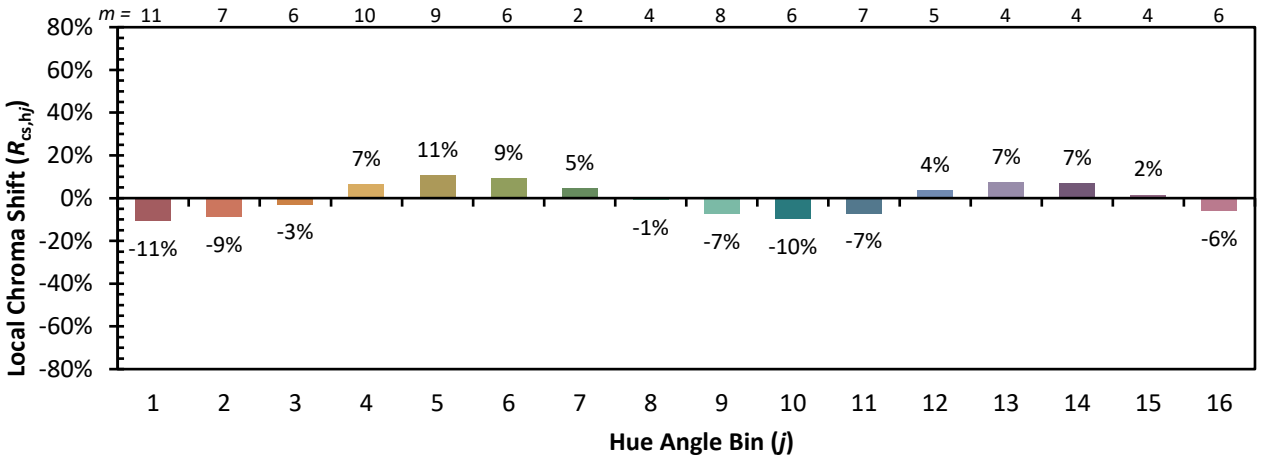
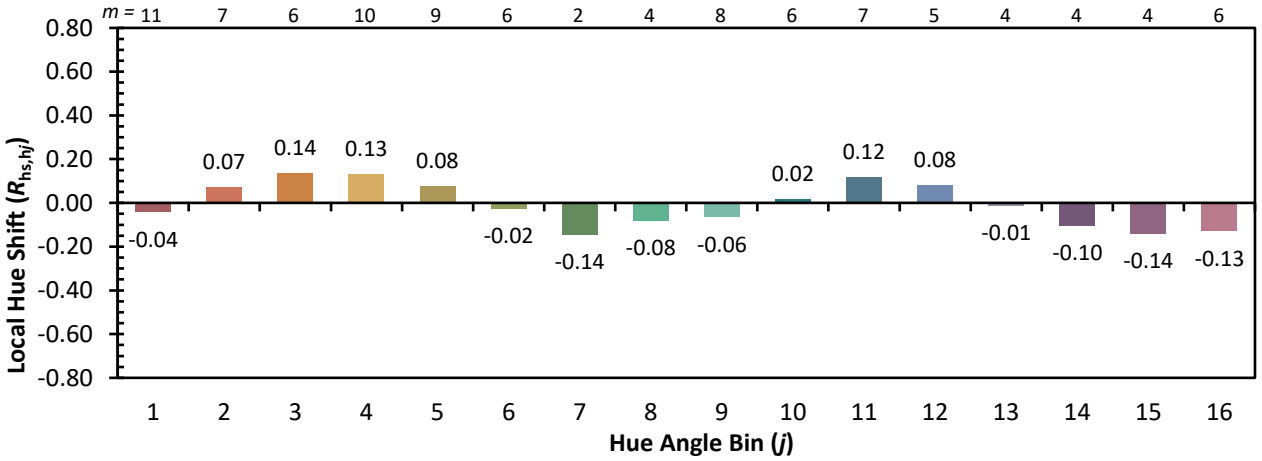
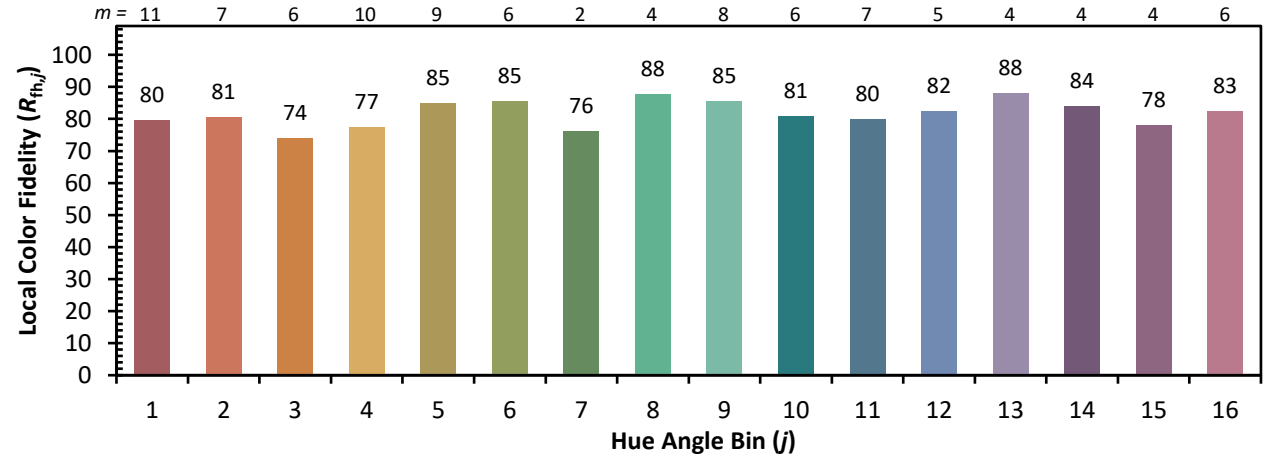
Color Rendition by Hue-Angle Bin







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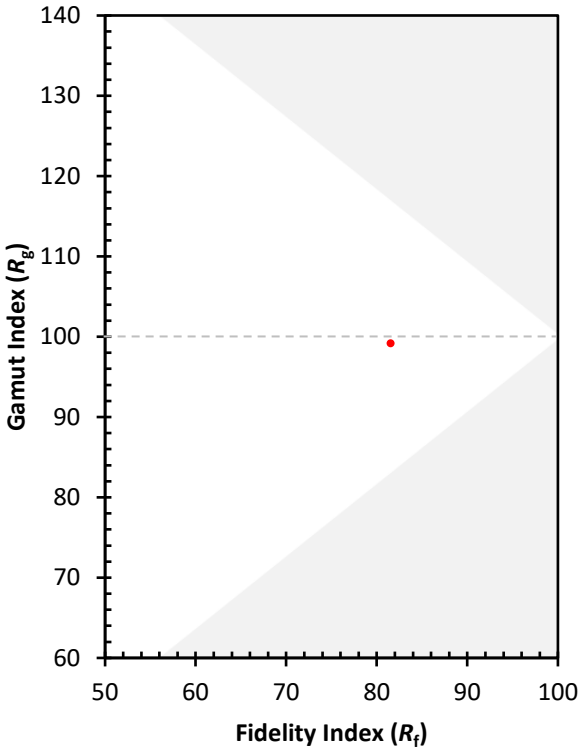
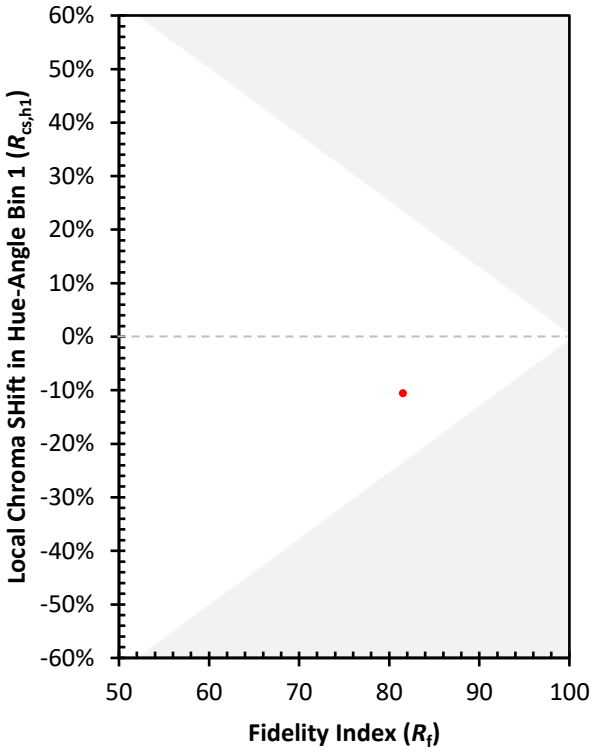
Measure Comparisons





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