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: P386292

Luminaire Tested: **GPC-SA1D-830-U-T4W-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:	P386292
	TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-19)
Test Lab:	INNOVATION CENTER
Issue Date:	3/3/2020
Manufacturer:	COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line:	McGRAW-EDISON
Catalog Number:	GPC-SA1D-830-U-T4W-HSS
Description:	GALLEON PEDESTRIAN LUMINAIRE
	(1) 80 CRI, 3000K, 1200mA LIGHTSQUARE WITH 16 LEDS AND TYPE IV WIDE OPTICS WITH HOUSE SIDE SHIELD
Light Source:	-
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	4773 lumens
Efficiency:	N/A
Efficacy:	72.3 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):	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: P386292
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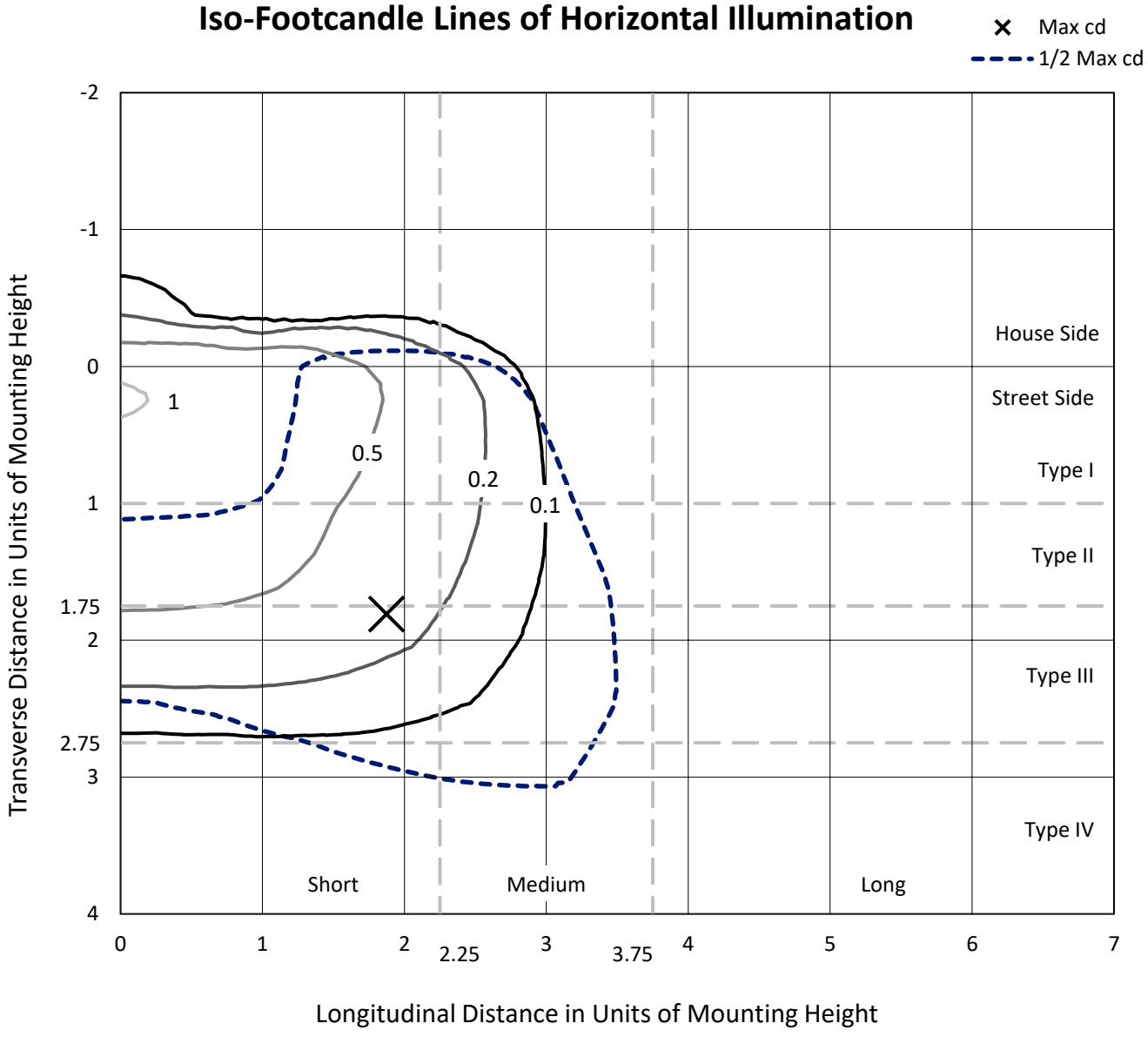
Iso-Footcandle Lines of Horizontal Illumination



Based on 25 foot mounting height. Maximum calculated value = 1.1 fc
Type IV - Short - N/A

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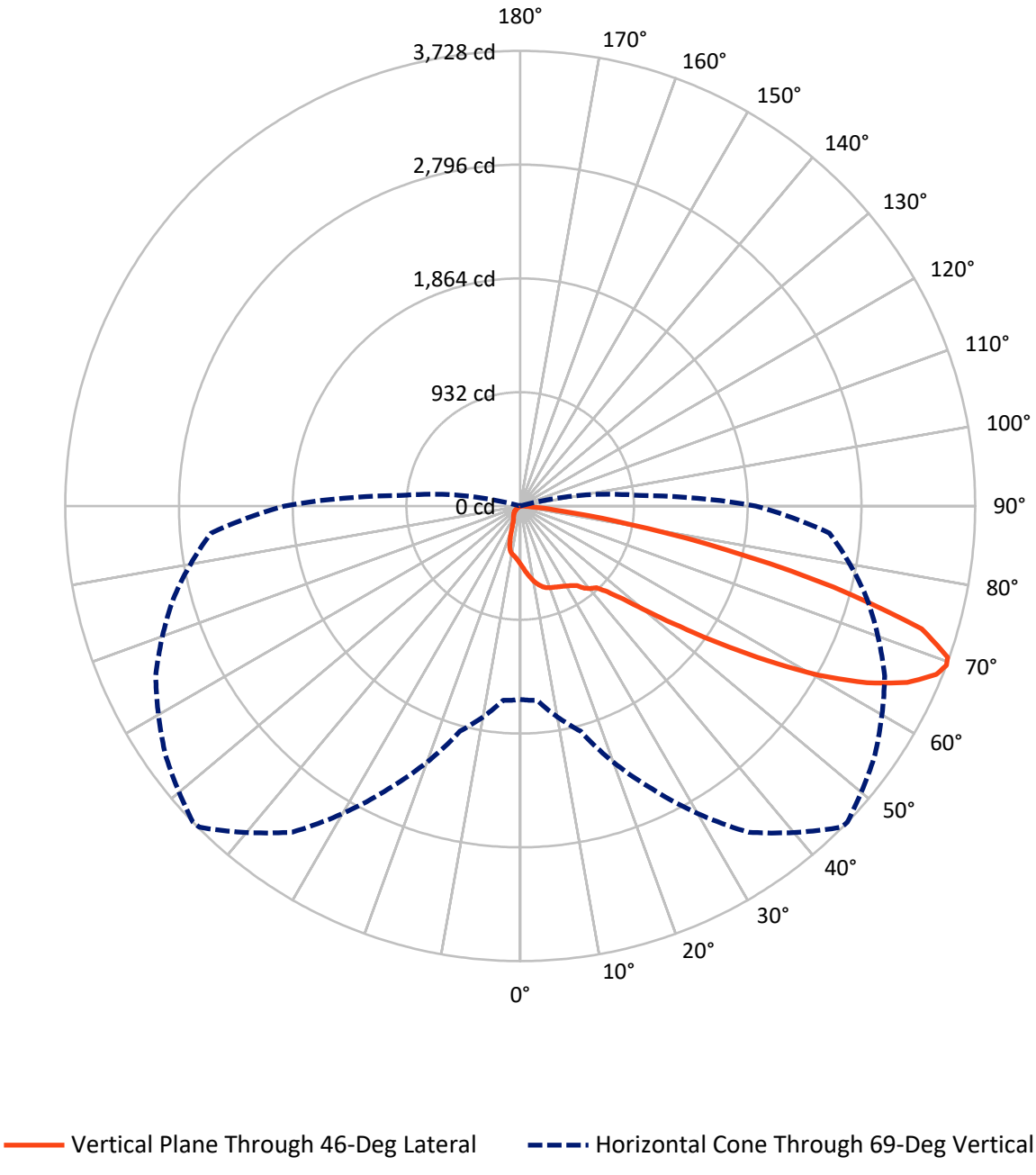
Luminous Intensity Polar Plot



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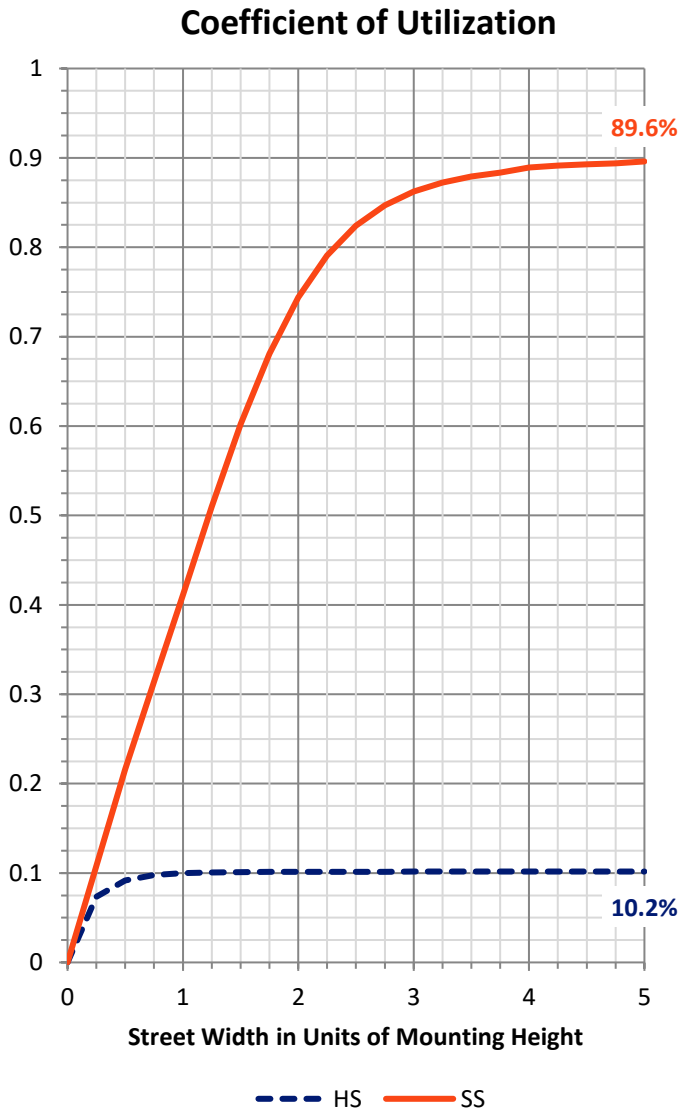
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	489.8	0.0	489.8
	% Fixture	10.3	0.0	10.3
Street Side	Lumens	4283.2	0.0	4283.2
	% Fixture	89.7	0.0	89.7
Total	Lumens	4773.0	0.0	4773.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	47.6	1.0
10°-20°	144.4	3.0
20°-30°	227.1	4.8
30°-40°	325.7	6.8
40°-50°	562.9	11.8
50°-60°	1112.0	23.3
60°-70°	1554.2	32.6
70°-80°	750.8	15.7
80°-90°	48.3	1.0
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°	4773.0	100.0
0°-180°	4773.0	100.0



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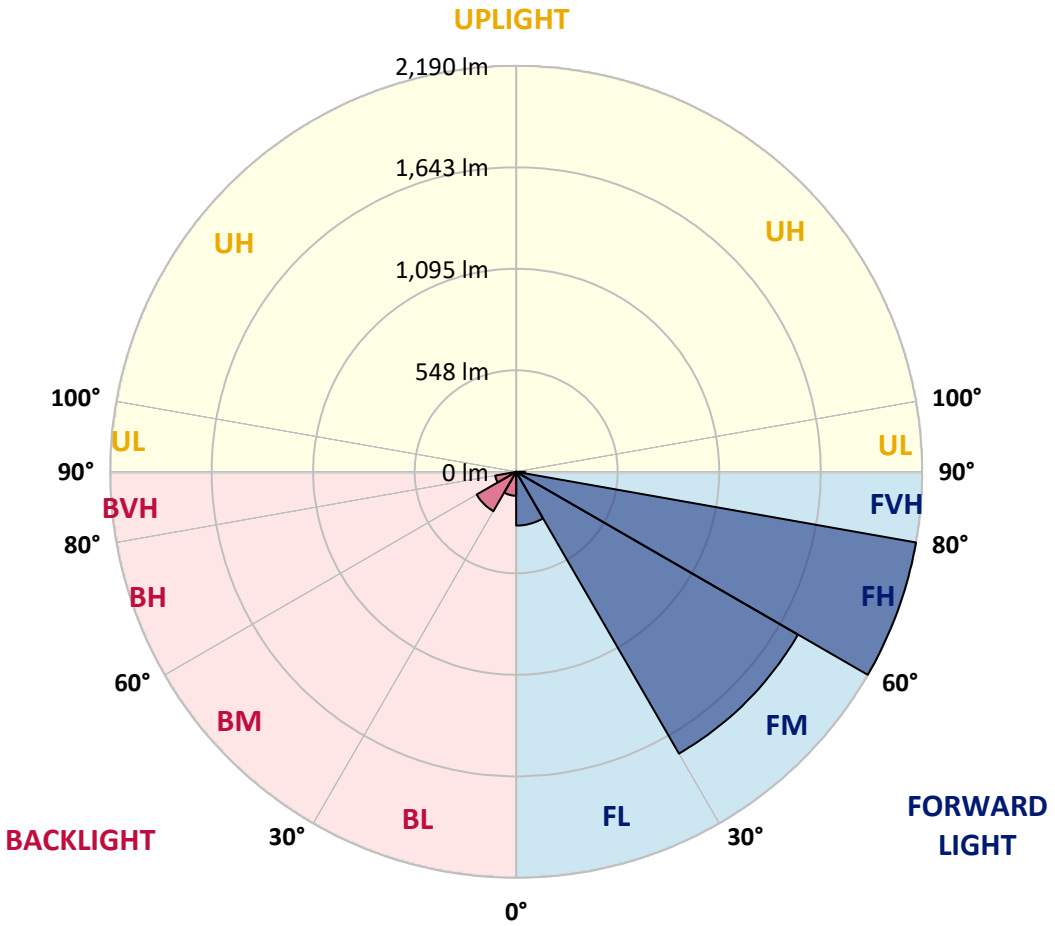
LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	290.0	6.1			
FM	(30°-60°)	1755.1	36.8			
FH	(60°-80°)	2190.2	45.9			G2/5000
FVH	(80°-90°)	47.9	1.0			G1/100
BL	(0°-30°)	129.1	2.7	B1/500		
BM	(30°-60°)	245.5	5.1	B1/1000		
BH	(60°-80°)	114.9	2.4	B1/500		G1/500
BVH	(80°-90°)	0.4	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: P386292
CATALOG NUMBER: GPC-SA1D-830-U-T4W-HSS

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	46°	55°	65°	75°	85°
0°	478.2	478.2	478.2	478.2	478.2	478.2	*478.2*	478.2	478.2	478.2	478.2
2.5°	531.3	530.6	527.5	526.1	518.5	514.0	*512.3*	506.7	498.6	490.5	481.6
5°	591.7	591.5	585.7	580.1	565.7	552.3	*549.8*	536.9	518.7	501.7	484.7
7.5°	653.5	650.6	644.7	634.0	613.2	591.7	*589.7*	571.3	545.6	521.0	496.6
10°	705.8	704.0	696.4	680.1	655.7	631.3	*628.8*	606.2	577.2	546.9	515.8
12.5°	746.6	745.2	735.1	714.8	688.8	663.5	*660.2*	640.0	608.9	575.1	538.4
15°	771.4	770.7	758.4	736.7	711.2	689.3	*686.4*	668.7	639.8	604.5	563.1
17.5°	777.2	777.4	764.7	742.8	721.7	706.1	*703.8*	690.4	666.2	631.1	587.7
20°	764.2	766.9	755.5	736.5	723.5	715.2	*713.4*	705.4	685.0	651.9	607.4
22.5°	745.9	747.2	739.4	726.6	721.3	722.8	*721.9*	717.5	700.2	669.8	626.8
25°	734.7	734.7	730.0	719.3	722.8	732.5	*732.7*	731.8	718.1	691.7	650.6
27.5°	734.3	732.9	727.5	719.5	729.3	744.1	*745.0*	751.0	742.5	718.4	680.1
30°	752.2	750.6	739.2	728.7	741.2	757.1	*759.3*	772.5	768.3	747.2	713.0
32.5°	794.0	788.4	763.1	745.9	755.3	774.3	*777.2*	798.3	805.0	782.8	744.8
35°	851.3	833.6	797.1	778.6	779.5	799.4	*802.1*	832.9	852.9	815.5	769.4
37.5°	930.3	921.6	862.3	812.6	816.6	846.8	*854.6*	888.2	882.6	833.4	797.4
40°	1103.5	1089.9	1026.7	907.9	852.2	885.3	*887.8*	905.7	906.1	873.9	855.5
42.5°	1339.4	1333.8	1267.3	1080.9	922.2	911.0	*915.5*	945.7	979.5	959.4	958.5
45°	1600.5	1597.6	1527.1	1310.5	1063.9	995.4	*1001.0*	1041.5	1106.2	1110.7	1139.1
47.5°	1810.7	1809.3	1768.8	1566.7	1280.7	1138.4	*1140.2*	1183.2	1296.9	1353.0	1398.5
50°	2002.2	2008.7	1976.7	1844.0	1576.1	1362.4	*1358.2*	1386.8	1569.4	1661.4	1717.8
52.5°	2268.5	2277.7	2188.0	2102.7	1886.1	1640.4	*1637.0*	1667.0	1897.1	1966.0	1976.1
55°	2503.7	2488.1	2417.1	2392.5	2264.1	1983.7	*1982.8*	2009.2	2213.9	2243.3	2261.8
57.5°	2607.6	2601.5	2635.8	2692.2	2660.0	2389.4	*2387.4*	2367.2	2497.5	2500.6	2557.7
60°	2673.2	2680.5	2785.5	2959.4	3039.7	2826.0	*2813.0*	2690.2	2768.3	2761.3	2822.4
62.5°	2623.9	2638.5	2827.3	3117.2	3323.9	3207.1	*3188.8*	2986.0	2999.7	2975.7	3032.6
65°	2362.5	2385.1	2694.6	3087.4	3464.9	3505.0	*3486.4*	3247.2	3183.4	3144.0	3112.5
67.5°	1918.3	1931.7	2254.9	2828.5	3401.4	3682.7	*3678.9*	3476.1	3322.1	3115.6	2870.8
69°	*1585.3*	*1598.5*	*1909.6*	*2555.9*	*3261.5*	*3720.7*	*3728.1*	*3549.5*	*3295.7*	*2942.8*	*2543.6*
70°	1342.7	1356.8	1646.6	2322.3	3099.3	3703.0	*3716.2*	3542.6	3220.1	2742.8	2256.5
72.5°	704.3	716.3	1013.8	1599.9	2526.6	3400.2	*3440.3*	3243.1	2729.6	1991.9	1334.2
75°	221.3	228.3	395.9	836.3	1729.9	2643.8	*2653.0*	2544.0	1938.2	1095.7	555.7
77.5°	84.4	82.4	131.8	308.2	874.6	1664.8	*1720.9*	1589.8	1017.1	387.4	128.2
80°	45.4	45.7	68.5	127.6	374.2	855.5	*903.0*	770.5	361.4	120.8	29.5
82.5°	19.7	20.6	38.5	67.6	171.9	315.5	*339.3*	282.4	138.1	81.2	11.0
85°	4.3	4.7	18.6	36.7	70.0	88.6	*92.9*	91.5	87.9	63.1	4.3
87.5°	0.0	0.0	8.3	13.2	17.7	20.1	*17.7*	23.1	48.6	42.5	2.2
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: P386292
CATALOG NUMBER: GPC-SA1D-830-U-T4W-HSS

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	478.2	478.2	478.2	478.2	478.2	478.2	478.2	478.2	478.2	478.2	478.2
2.5°	478.7	474.7	467.7	460.1	454.7	449.1	444.7	442.7	440.4	438.8	440.9
5°	477.8	470.0	456.5	443.5	434.2	426.5	420.3	417.8	415.4	413.6	413.3
7.5°	485.6	474.7	454.1	435.0	420.5	410.2	401.7	398.1	395.2	393.9	392.7
10°	500.6	486.5	459.0	434.2	415.4	397.9	379.5	365.4	356.3	352.0	350.5
12.5°	520.1	502.4	468.4	438.8	411.5	378.0	339.0	305.5	283.8	276.6	272.4
15°	542.9	521.0	480.7	444.9	397.7	336.4	270.3	226.5	206.3	202.3	197.8
17.5°	564.8	540.7	495.5	446.0	367.2	268.8	198.1	168.3	160.5	163.1	163.8
20°	584.1	560.1	510.0	436.2	312.0	201.6	153.3	145.9	148.8	154.0	154.9
22.5°	603.6	578.9	523.4	410.2	241.2	153.1	138.1	139.9	142.8	147.9	148.8
25°	627.3	601.8	536.0	362.5	181.0	130.2	131.1	133.8	136.7	141.4	141.9
27.5°	654.6	630.6	544.3	300.5	134.3	119.7	122.6	126.7	129.6	134.0	134.9
30°	690.8	668.7	546.9	236.3	112.6	110.3	111.7	116.6	120.8	124.9	125.5
32.5°	724.9	706.3	538.0	178.4	104.3	101.6	101.6	104.5	109.4	113.2	114.1
35°	756.2	744.1	509.3	130.5	98.0	93.5	91.3	91.3	94.4	97.6	98.5
37.5°	797.6	797.1	463.0	104.1	92.0	86.8	82.1	78.5	77.4	78.1	78.5
40°	868.5	869.2	402.6	93.3	86.8	79.9	72.7	66.2	60.2	58.2	58.0
42.5°	979.3	969.2	339.3	88.2	82.4	72.7	62.0	53.3	43.9	41.0	40.7
45°	1155.2	1095.4	272.1	83.5	77.7	64.7	51.2	39.4	31.8	29.5	29.5
47.5°	1411.4	1261.3	210.8	78.3	71.4	55.5	38.7	28.4	23.3	22.2	22.4
50°	1676.4	1423.7	161.6	71.8	63.8	45.9	28.6	20.6	17.7	17.7	17.9
52.5°	1911.4	1542.8	126.0	64.9	54.4	36.0	21.7	16.1	14.8	14.5	14.8
55°	2131.4	1619.6	96.5	56.8	43.2	26.9	16.6	13.2	12.3	11.9	11.6
57.5°	2343.5	1657.6	72.3	45.9	31.3	19.5	13.2	11.2	10.3	9.6	9.4
60°	2484.7	1626.7	49.7	33.8	21.7	14.1	11.0	9.6	8.5	7.8	7.6
62.5°	2564.4	1542.4	32.0	24.4	15.4	10.5	8.7	8.1	6.5	5.8	5.8
65°	2532.2	1403.2	22.4	17.5	11.2	7.8	6.5	6.5	4.7	3.8	3.6
67.5°	2243.9	1185.4	17.0	13.0	8.1	5.8	4.9	5.6	2.9	1.8	1.8
69°	*1930.6*	*982.4*	*14.5*	*10.7*	*6.7*	*4.7*	*4.3*	*5.1*	*2.0*	*1.3*	*1.1*
70°	1678.0	847.5	13.2	9.4	5.6	4.0	3.8	4.9	2.0	1.1	0.9
72.5°	1003.9	472.6	10.1	6.7	3.6	3.1	3.1	5.6	2.0	1.1	0.9
75°	405.7	166.5	7.4	4.7	2.7	2.7	3.8	7.2	1.8	0.9	0.7
77.5°	92.0	36.5	4.3	2.9	1.8	2.7	4.5	5.6	1.1	0.4	0.0
80°	22.4	9.0	2.7	1.8	1.1	2.0	3.4	3.1	0.2	0.0	0.0
82.5°	7.4	3.1	1.1	0.9	0.2	0.7	1.6	0.9	0.0	0.0	0.0
85°	3.1	1.8	0.4	0.2	0.0	0.0	0.2	0.0	0.0	0.0	0.0
87.5°	2.0	0.7	0.0	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

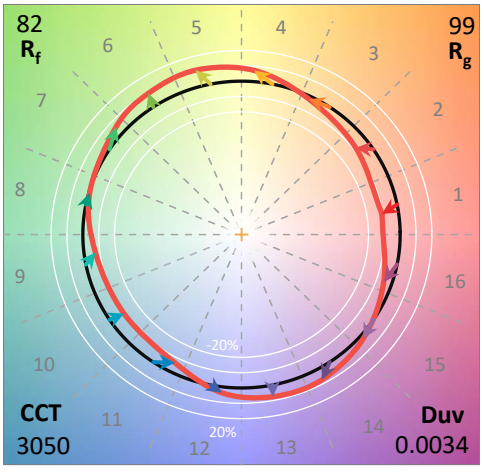
Test Information

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

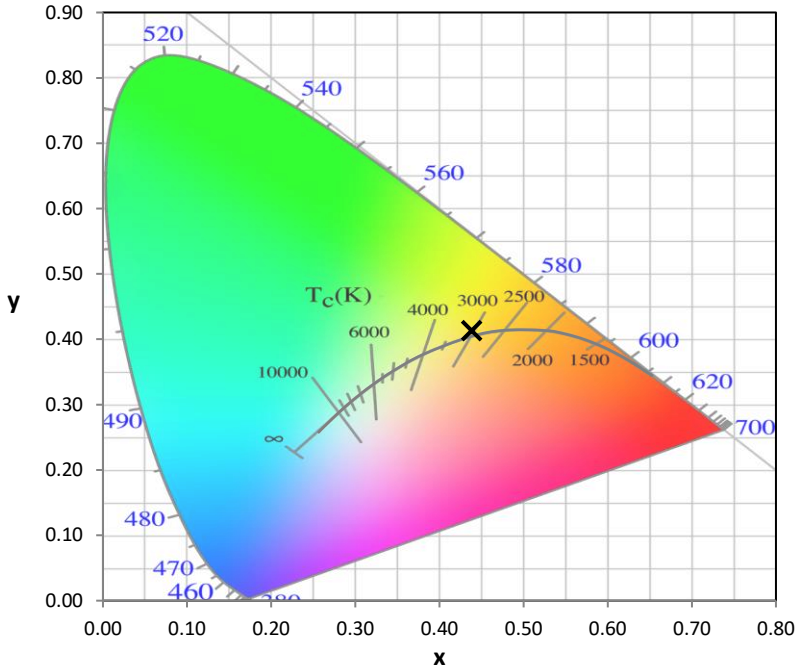
Stabilization Time:	20M
Operation Time:	1H 20M
Sphere Temperature (°C):	24.2

REPORT NUMBER: SP1-2408-195-9

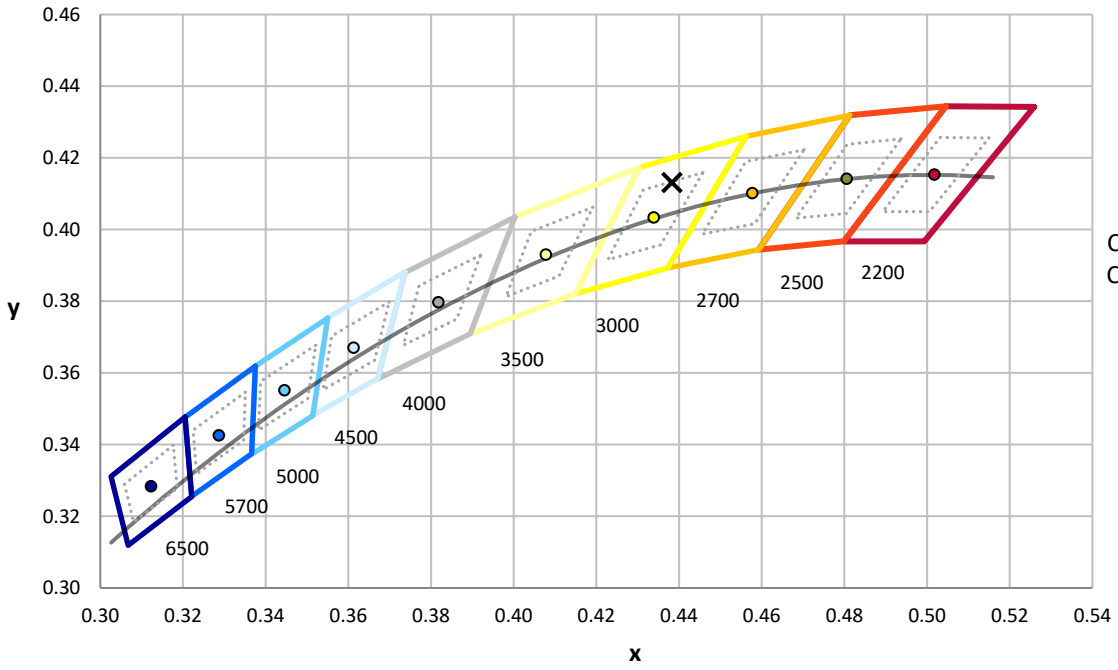
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

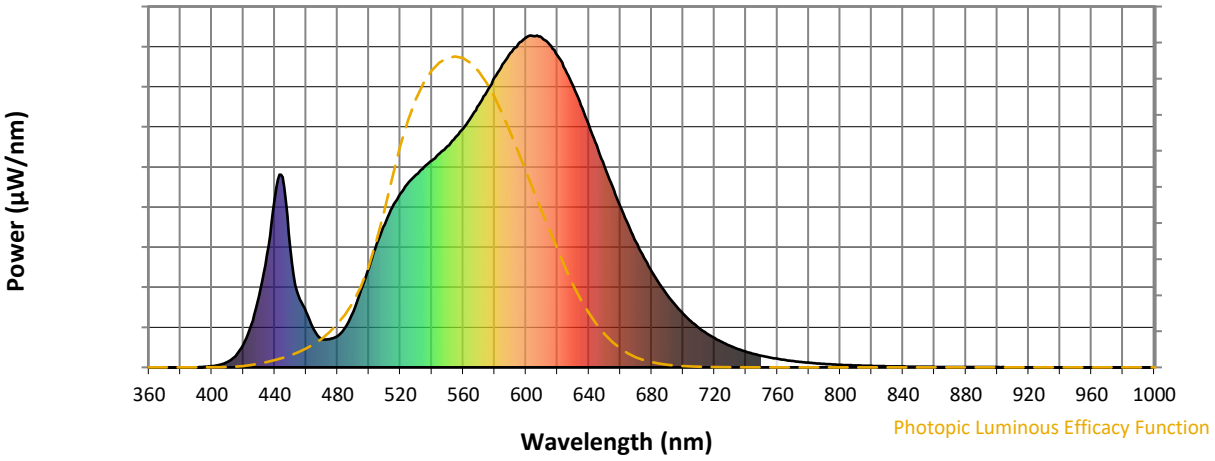


CCT = 3050K
CIE x = 0.4383
CIE y = 0.4131
Duv = 0.0034

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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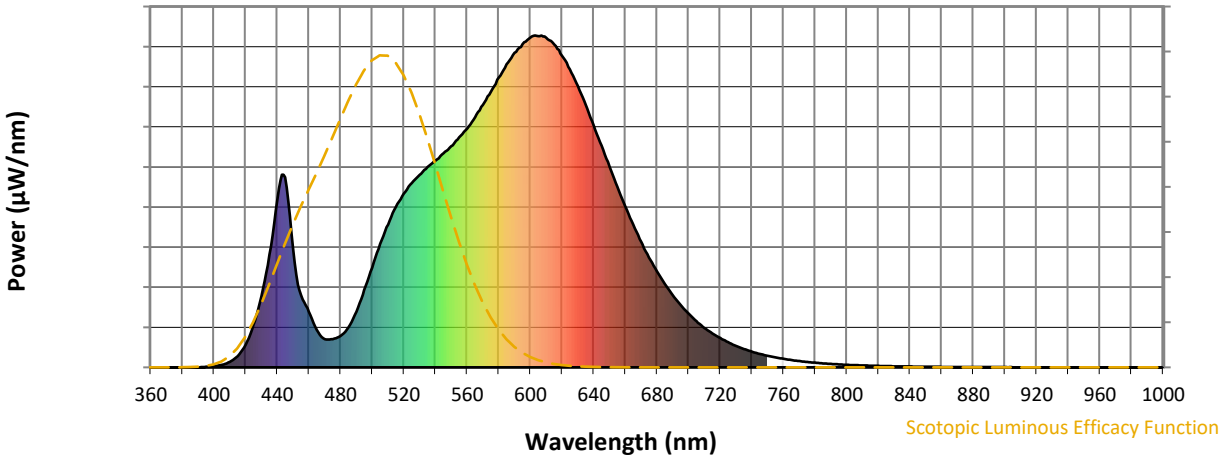
Scotopic Flux vs. Wavelength



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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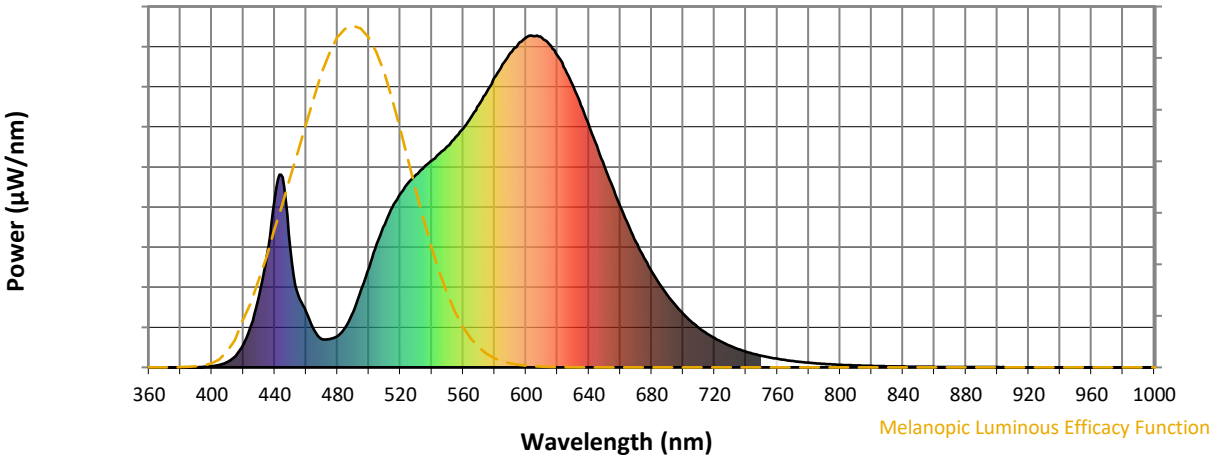
Melanopic Flux vs. Wavelength



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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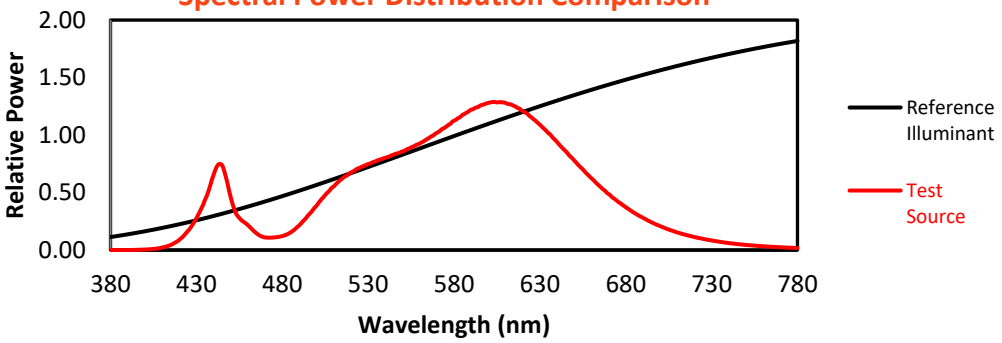
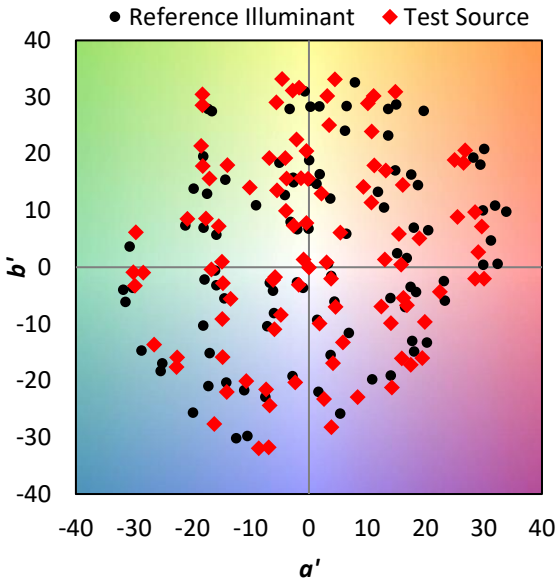
Summary

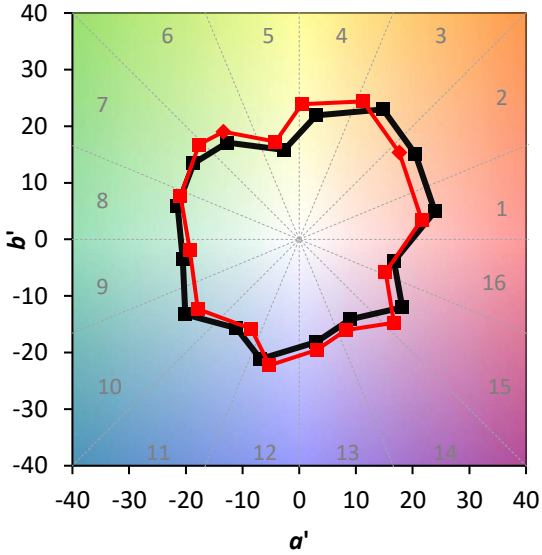
R_f = 81.5
R_g = 99.2
CIE R_a = 81.0
R_9 = 7.1

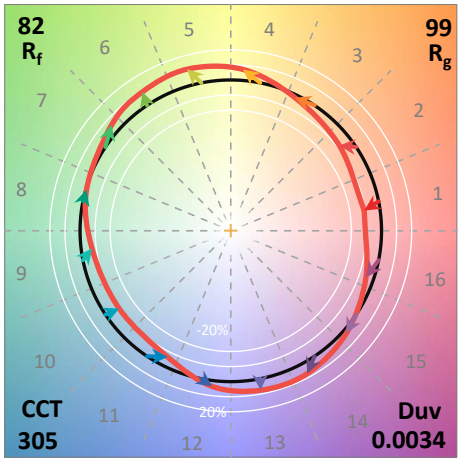
Spectral Power Distribution Comparison

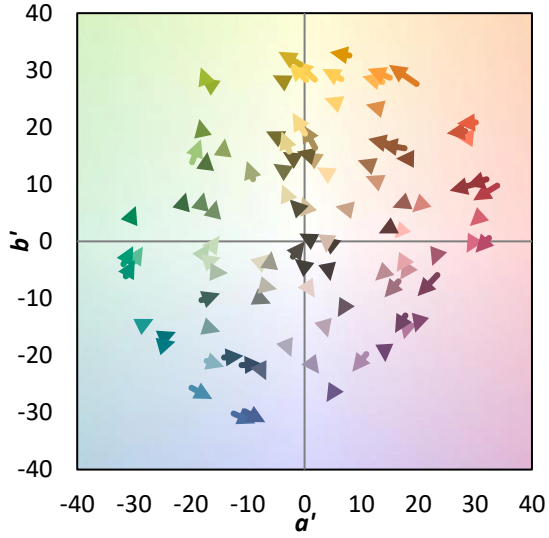


Color Vector Graphics









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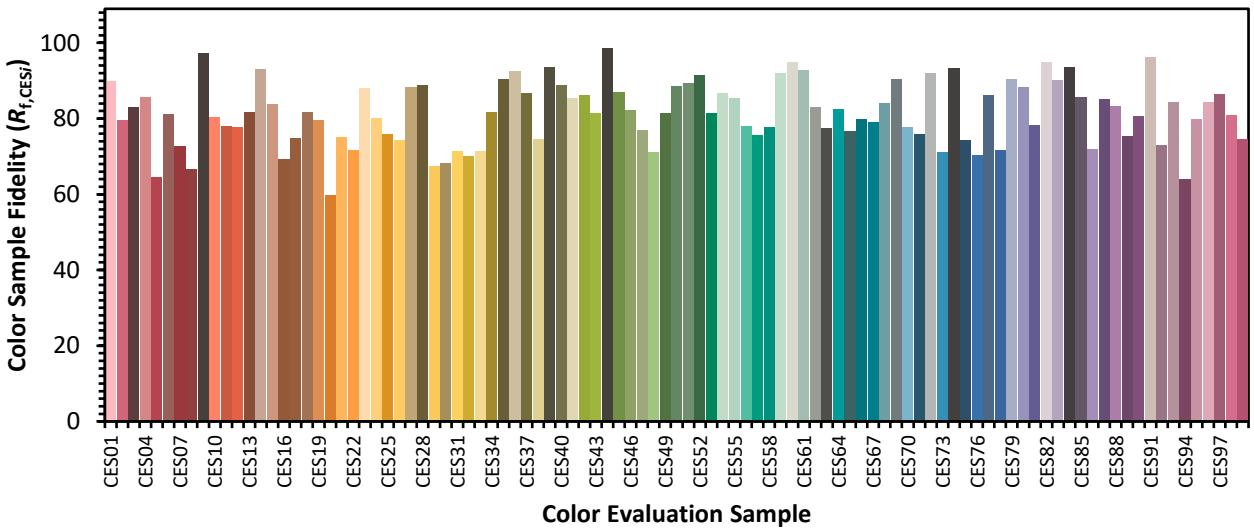
Individual Sample Fidelity Index ($R_{f,i}$)

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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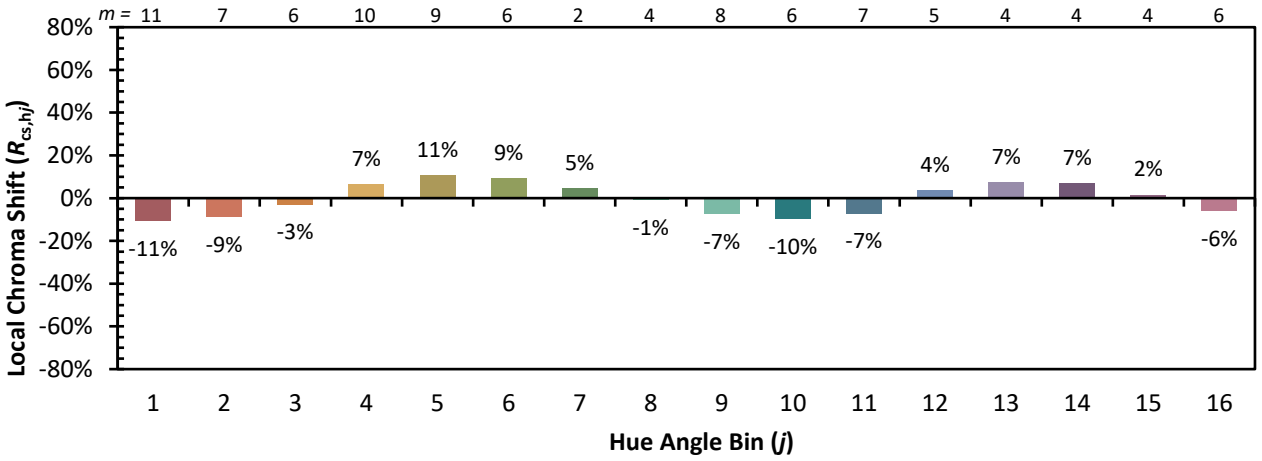
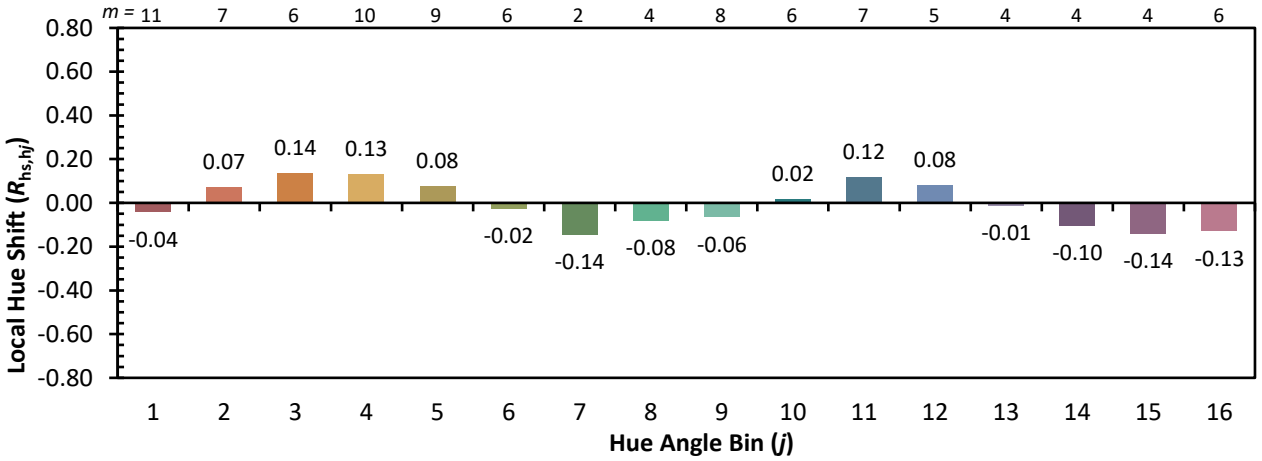
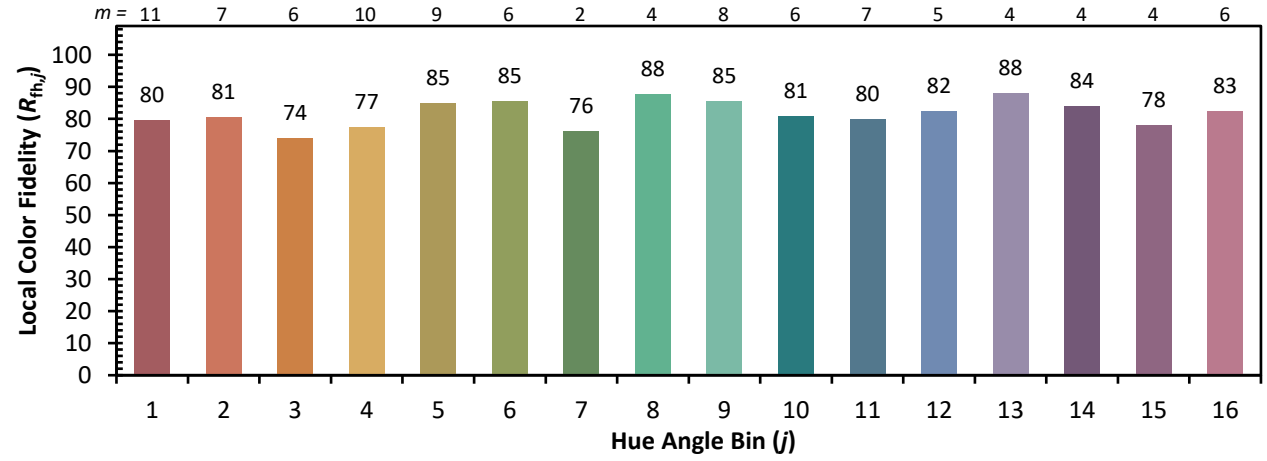
Color Rendition by Hue-Angle Bin







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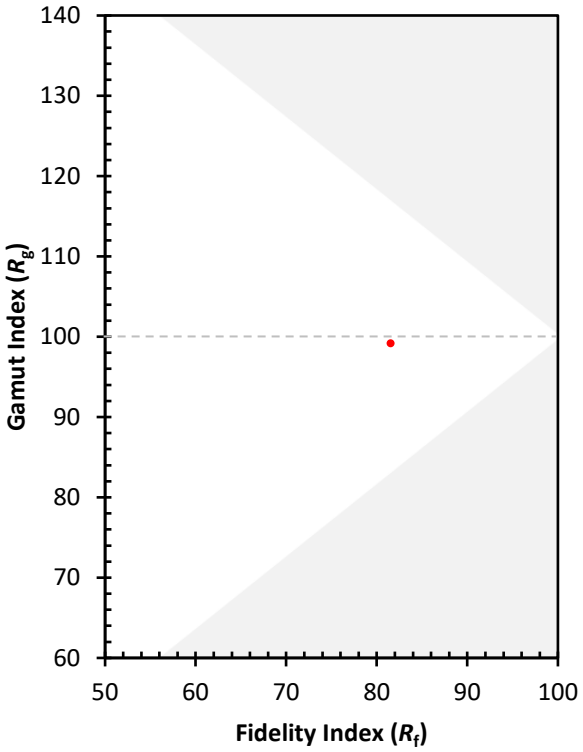
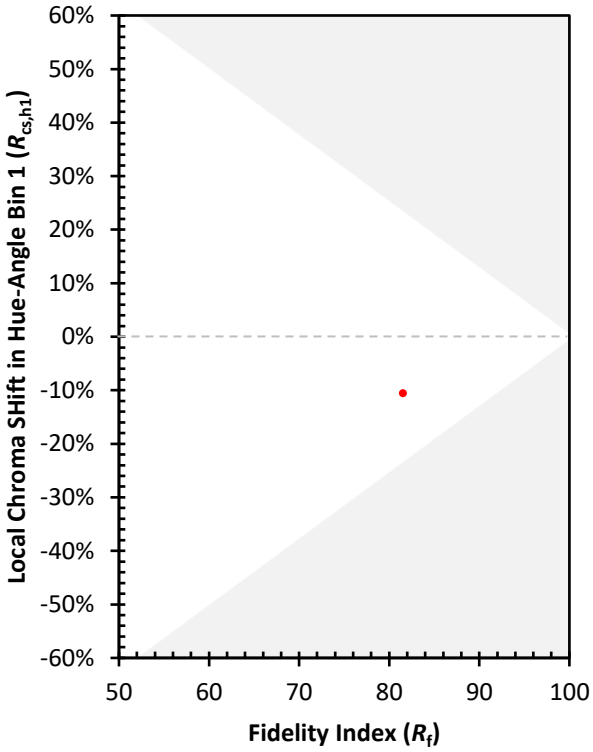
Measure Comparisons





(END OF REPORT)