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: P386068

Luminaire Tested: **GPC-SA1C-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:	P386068
	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-SA1C-830-U-T4W-HSS
Description:	GALLEON PEDESTRIAN LUMINAIRE
	(1) 80 CRI, 3000K, 1050mA 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:	4351 lumens
Efficiency:	N/A
Efficacy:	75.0 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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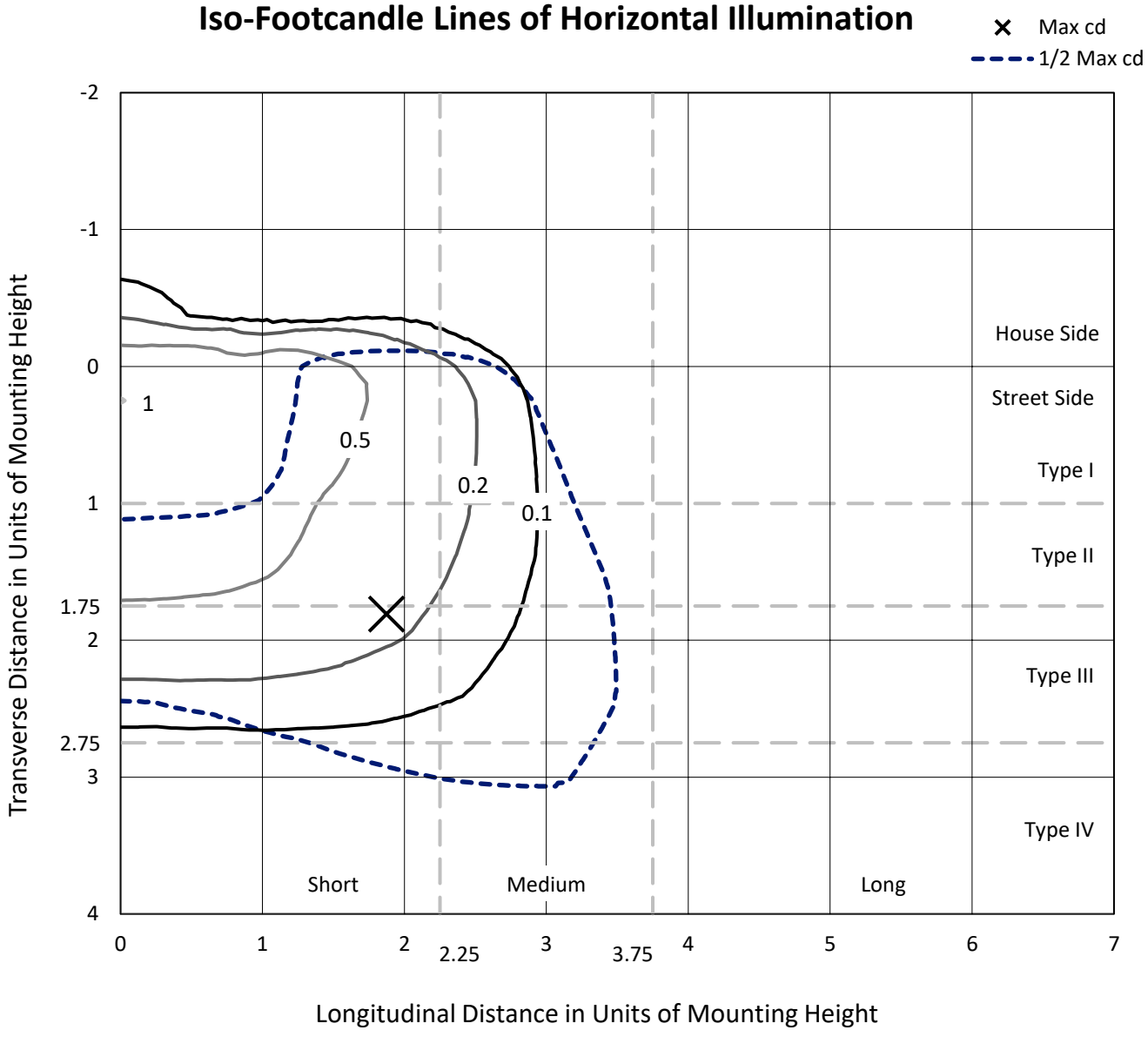
REPORT NUMBER: P386068
CATALOG NUMBER: GPC-SA1C-830-U-T4W-HSS

Iso-Footcandle Lines of Horizontal Illumination



Based on 25 foot mounting height. Maximum calculated value = 1 fc
Type IV - Short - N/A

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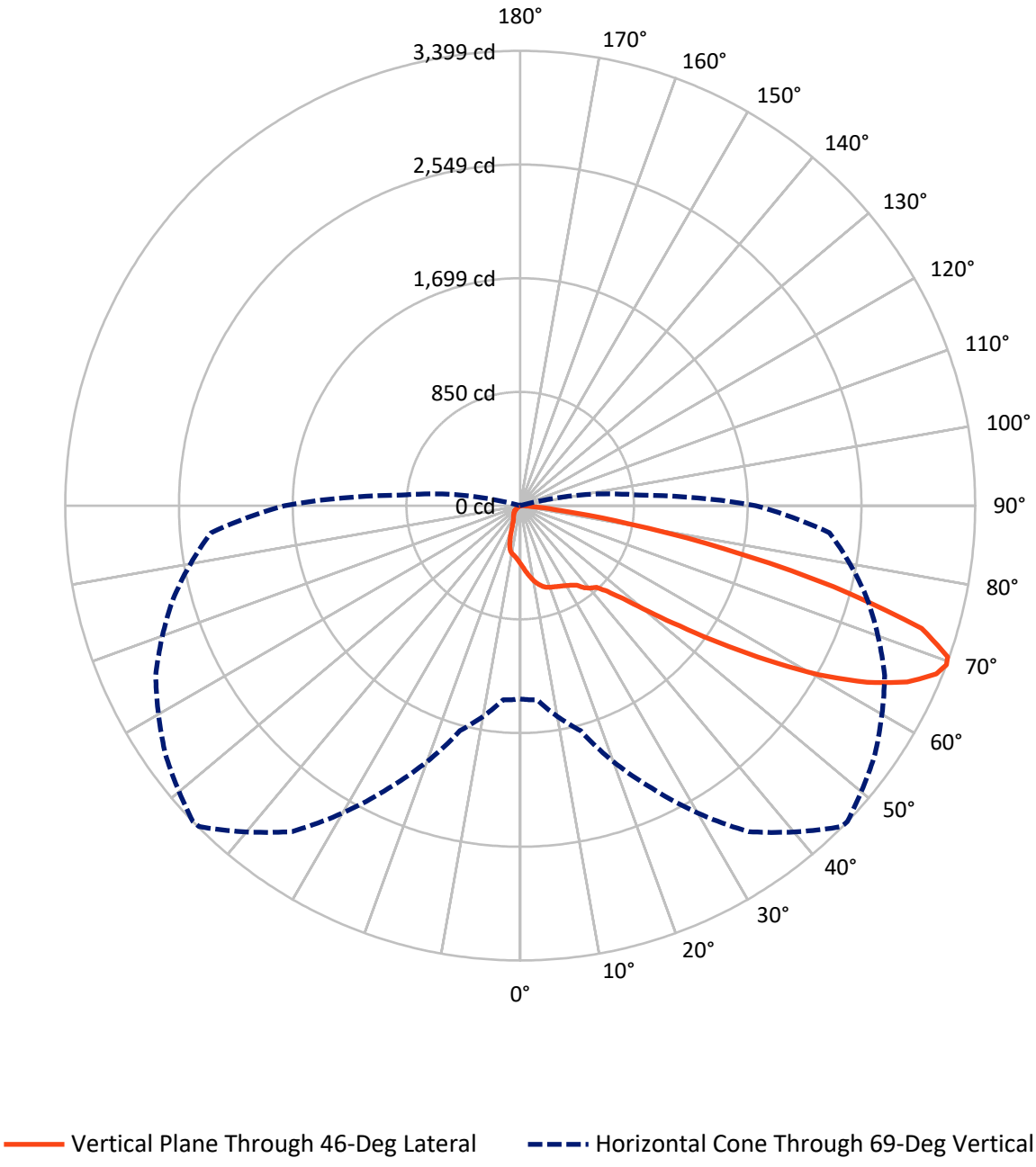
Luminous Intensity Polar Plot



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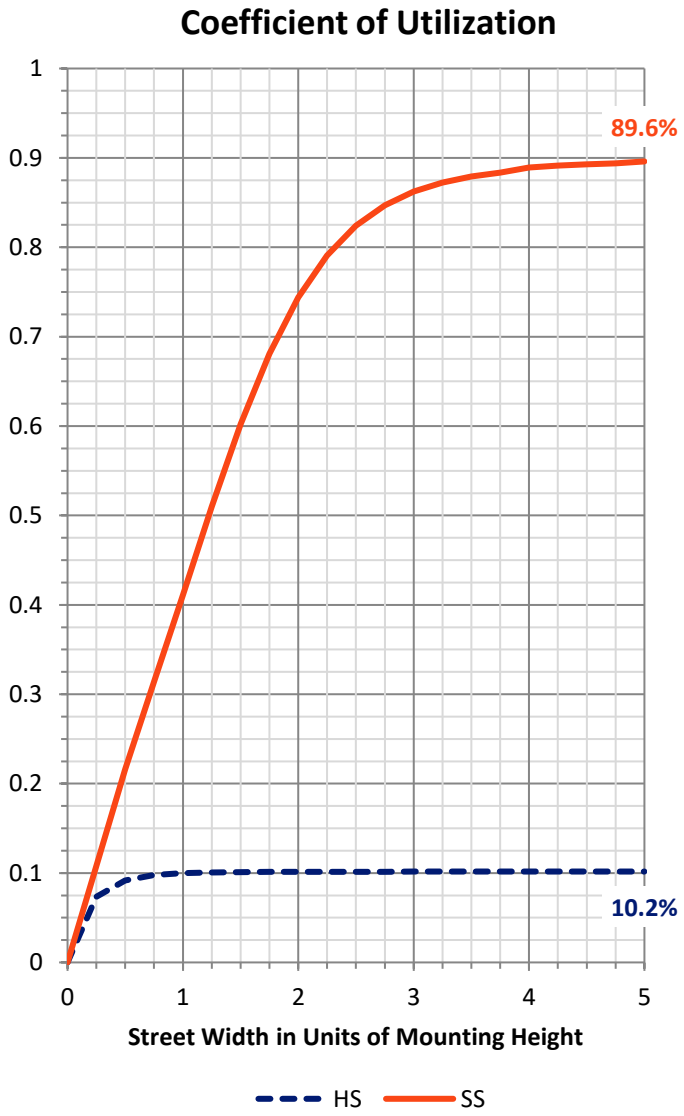
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	446.5	0.0	446.5
	% Fixture	10.3	0.0	10.3
Street Side	Lumens	3904.5	0.0	3904.5
	% Fixture	89.7	0.0	89.7
Total	Lumens	4351.0	0.0	4351.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	43.4	1.0
10°-20°	131.6	3.0
20°-30°	207.0	4.8
30°-40°	296.9	6.8
40°-50°	513.1	11.8
50°-60°	1013.7	23.3
60°-70°	1416.8	32.6
70°-80°	684.5	15.7
80°-90°	44.0	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°	4351.0	100.0
0°-180°	4351.0	100.0



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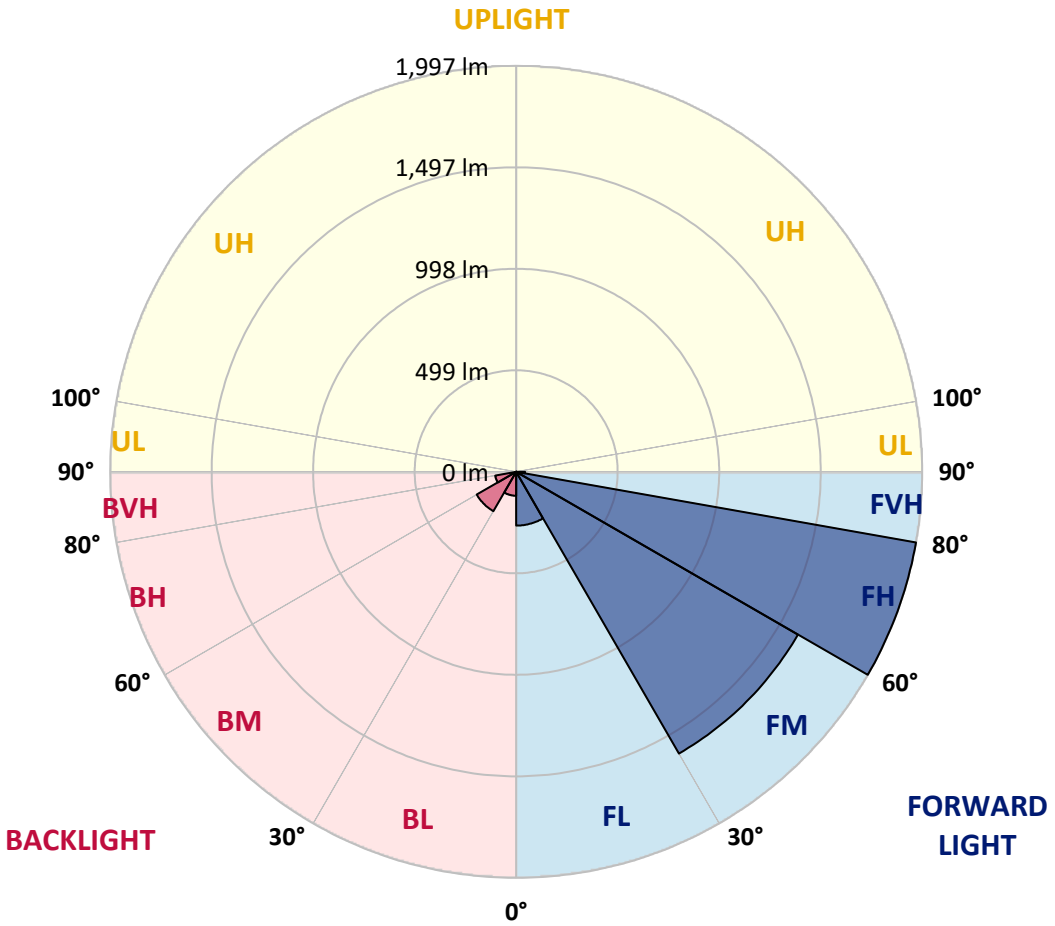
LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	264.4	6.1			
FM	(30°-60°)	1600.0	36.8			
FH	(60°-80°)	1996.5	45.9			G2/5000
FVH	(80°-90°)	43.6	1.0			G1/100
BL	(0°-30°)	117.7	2.7	B1/500		
BM	(30°-60°)	223.8	5.1	B1/1000		
BH	(60°-80°)	104.7	2.4	B0/110		G0/110
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: P386068
CATALOG NUMBER: GPC-SA1C-830-U-T4W-HSS

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	46°	55°	65°	75°	85°
0°	436.0	436.0	436.0	436.0	436.0	436.0	*436.0*	436.0	436.0	436.0	436.0
2.5°	484.3	483.7	480.8	479.6	472.7	468.6	*467.0*	461.9	454.5	447.2	439.0
5°	539.4	539.2	533.9	528.8	515.7	503.5	*501.2*	489.4	472.9	457.4	441.9
7.5°	595.7	593.0	587.7	577.9	559.0	539.4	*537.5*	520.8	497.4	474.9	452.7
10°	643.4	641.8	634.9	620.0	597.7	575.5	*573.2*	552.6	526.1	498.6	470.2
12.5°	680.6	679.3	670.1	651.6	627.9	604.9	*601.8*	583.4	555.1	524.3	490.8
15°	703.2	702.6	691.4	671.6	648.3	628.3	*625.7*	609.6	583.2	551.0	513.3
17.5°	708.5	708.7	697.1	677.1	657.9	643.6	*641.6*	629.3	607.3	575.3	535.7
20°	696.7	699.1	688.7	671.4	659.5	652.0	*650.4*	643.0	624.5	594.3	553.7
22.5°	679.9	681.2	674.0	662.4	657.5	658.9	*658.1*	654.0	638.3	610.6	571.4
25°	669.7	669.7	665.5	655.7	658.9	667.7	*667.9*	667.1	654.6	630.6	593.0
27.5°	669.3	668.1	663.2	655.9	664.8	678.3	*679.1*	684.6	676.9	654.8	620.0
30°	685.7	684.2	673.8	664.2	675.7	690.1	*692.2*	704.2	700.3	681.2	650.0
32.5°	723.8	718.7	695.6	679.9	688.5	705.8	*708.5*	727.7	733.8	713.6	678.9
35°	776.0	759.9	726.7	709.7	710.5	728.7	*731.1*	759.3	777.5	743.4	701.4
37.5°	848.0	840.1	786.0	740.7	744.4	771.9	*779.1*	809.7	804.6	759.7	726.9
40°	1005.9	993.5	936.0	827.6	776.8	807.0	*809.3*	825.6	826.0	796.6	779.9
42.5°	1221.0	1215.9	1155.3	985.3	840.7	830.5	*834.6*	862.1	892.9	874.6	873.7
45°	1459.0	1456.4	1392.1	1194.6	969.8	907.4	*912.5*	949.4	1008.4	1012.5	1038.4
47.5°	1650.6	1649.4	1612.4	1428.2	1167.5	1037.8	*1039.4*	1078.6	1182.2	1233.4	1274.8
50°	1825.2	1831.1	1802.0	1681.0	1436.8	1242.0	*1238.1*	1264.2	1430.7	1514.5	1565.9
52.5°	2068.0	2076.3	1994.5	1916.8	1719.3	1495.3	*1492.3*	1519.6	1729.3	1792.2	1801.3
55°	2282.4	2268.1	2203.4	2181.0	2063.9	1808.3	*1807.5*	1831.5	2018.2	2044.9	2061.9
57.5°	2377.0	2371.5	2402.7	2454.2	2424.8	2178.1	*2176.3*	2157.9	2276.7	2279.5	2331.5
60°	2436.8	2443.5	2539.2	2697.7	2771.0	2576.1	*2564.3*	2452.3	2523.5	2517.2	2572.9
62.5°	2391.9	2405.2	2577.4	2841.6	3030.1	2923.6	*2906.8*	2722.0	2734.5	2712.6	2764.4
65°	2153.7	2174.3	2456.4	2814.4	3158.6	3195.1	*3178.2*	2960.1	2901.9	2866.0	2837.3
67.5°	1748.7	1761.0	2055.5	2578.4	3100.6	3357.1	*3353.6*	3168.8	3028.4	2840.1	2616.9
69°	*1445.2*	*1457.2*	*1740.8*	*2329.9*	*2973.1*	*3391.8*	*3398.5*	*3235.7*	*3004.3*	*2682.6*	*2318.7*
70°	1224.0	1236.9	1501.1	2116.9	2825.2	3375.6	*3387.7*	3229.4	2935.4	2500.3	2057.0
72.5°	642.0	653.0	924.1	1458.4	2303.2	3099.6	*3136.1*	2956.4	2488.2	1815.8	1216.3
75°	201.8	208.1	360.9	762.4	1576.9	2410.1	*2418.5*	2319.1	1766.9	998.8	506.5
77.5°	76.9	75.1	120.2	280.9	797.2	1517.6	*1568.8*	1449.2	927.2	353.1	116.9
80°	41.4	41.6	62.4	116.3	341.1	779.9	*823.2*	702.4	329.5	110.2	26.9
82.5°	18.0	18.8	35.1	61.6	156.7	287.6	*309.3*	257.5	125.9	74.1	10.0
85°	3.9	4.3	16.9	33.5	63.9	80.8	*84.7*	83.4	80.2	57.5	3.9
87.5°	0.0	0.0	7.5	12.0	16.1	18.4	*16.1*	21.0	44.3	38.8	2.0
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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REPORT NUMBER: P386068
CATALOG NUMBER: GPC-SA1C-830-U-T4W-HSS

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	436.0	436.0	436.0	436.0	436.0	436.0	436.0	436.0	436.0	436.0	436.0
2.5°	436.4	432.7	426.4	419.4	414.5	409.4	405.4	403.5	401.5	400.0	401.9
5°	435.5	428.4	416.2	404.3	395.8	388.8	383.1	380.9	378.6	377.0	376.8
7.5°	442.7	432.7	413.9	396.6	383.3	373.9	366.2	362.9	360.3	359.0	358.0
10°	456.4	443.5	418.4	395.8	378.6	362.7	346.0	333.1	324.8	320.9	319.5
12.5°	474.1	458.0	427.0	400.0	375.2	344.6	309.1	278.5	258.7	252.1	248.3
15°	494.9	474.9	438.2	405.6	362.5	306.6	246.4	206.5	188.1	184.4	180.3
17.5°	514.9	492.9	451.7	406.6	334.8	245.0	180.5	153.4	146.3	148.7	149.3
20°	532.4	510.6	464.9	397.6	284.4	183.8	139.7	133.0	135.7	140.4	141.2
22.5°	550.2	527.8	477.2	373.9	219.9	139.5	125.9	127.5	130.2	134.8	135.7
25°	571.8	548.6	488.6	330.5	165.0	118.7	119.5	122.0	124.6	128.9	129.3
27.5°	596.7	574.9	496.1	274.0	122.4	109.1	111.8	115.5	118.1	122.2	123.0
30°	629.8	609.6	498.6	215.4	102.6	100.6	101.8	106.3	110.2	113.8	114.4
32.5°	660.8	643.8	490.4	162.6	95.1	92.6	92.6	95.3	99.8	103.2	104.0
35°	689.3	678.3	464.3	118.9	89.4	85.3	83.2	83.2	86.1	88.9	89.8
37.5°	727.1	726.7	422.1	94.9	83.8	79.2	74.9	71.6	70.6	71.2	71.6
40°	791.7	792.3	367.0	85.1	79.2	72.8	66.3	60.4	54.9	53.0	52.8
42.5°	892.7	883.5	309.3	80.4	75.1	66.3	56.5	48.6	40.0	37.3	37.1
45°	1053.1	998.6	248.1	76.1	70.8	59.0	46.7	35.9	29.0	26.9	26.9
47.5°	1286.6	1149.8	192.2	71.4	65.1	50.6	35.3	25.9	21.2	20.2	20.4
50°	1528.2	1297.9	147.3	65.5	58.1	41.8	26.1	18.8	16.1	16.1	16.3
52.5°	1742.4	1406.4	114.9	59.2	49.6	32.8	19.8	14.7	13.5	13.3	13.5
55°	1942.9	1476.4	87.9	51.8	39.4	24.5	15.1	12.0	11.2	10.8	10.6
57.5°	2136.3	1511.0	65.9	41.8	28.6	17.7	12.0	10.2	9.4	8.8	8.6
60°	2265.0	1482.9	45.3	30.8	19.8	12.9	10.0	8.8	7.8	7.1	6.9
62.5°	2337.7	1406.0	29.2	22.2	14.1	9.6	8.0	7.3	5.9	5.3	5.3
65°	2308.3	1279.1	20.4	15.9	10.2	7.1	5.9	5.9	4.3	3.5	3.3
67.5°	2045.5	1080.6	15.5	11.8	7.3	5.3	4.5	5.1	2.7	1.6	1.6
69°	*1759.9*	*895.6*	*13.3*	*9.8*	*6.1*	*4.3*	*3.9*	*4.7*	*1.8*	*1.2*	*1.0*
70°	1529.6	772.6	12.0	8.6	5.1	3.7	3.5	4.5	1.8	1.0	0.8
72.5°	915.2	430.9	9.2	6.1	3.3	2.9	2.9	5.1	1.8	1.0	0.8
75°	369.9	151.8	6.7	4.3	2.4	2.4	3.5	6.5	1.6	0.8	0.6
77.5°	83.8	33.3	3.9	2.7	1.6	2.4	4.1	5.1	1.0	0.4	0.0
80°	20.4	8.2	2.4	1.6	1.0	1.8	3.1	2.9	0.2	0.0	0.0
82.5°	6.7	2.9	1.0	0.8	0.2	0.6	1.4	0.8	0.0	0.0	0.0
85°	2.9	1.6	0.4	0.2	0.0	0.0	0.2	0.0	0.0	0.0	0.0
87.5°	1.8	0.6	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

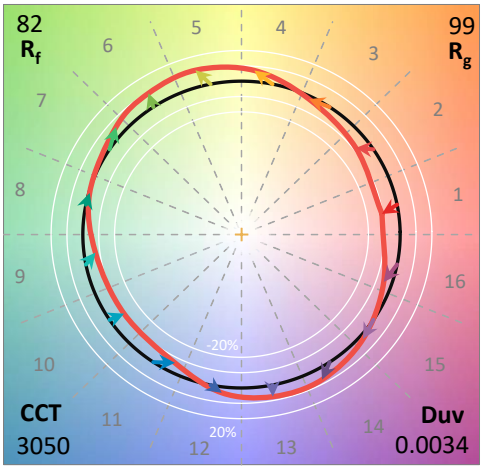
Test Information

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

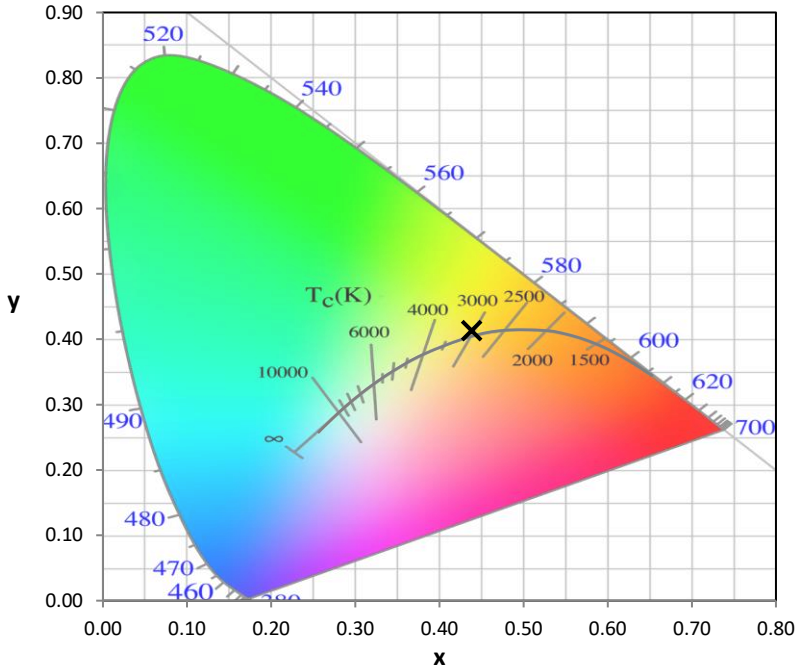
Stabilization Time:	20M
Operation Time:	1H 20M
Sphere Temperature (°C):	24.2

REPORT NUMBER: SP1-2408-195-9

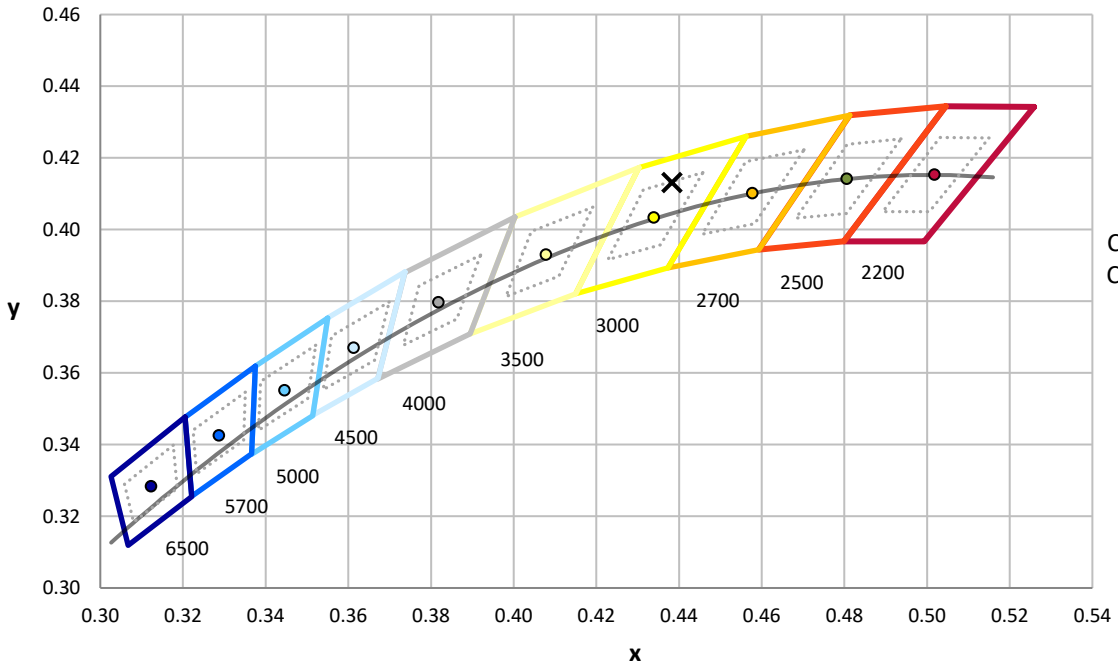
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

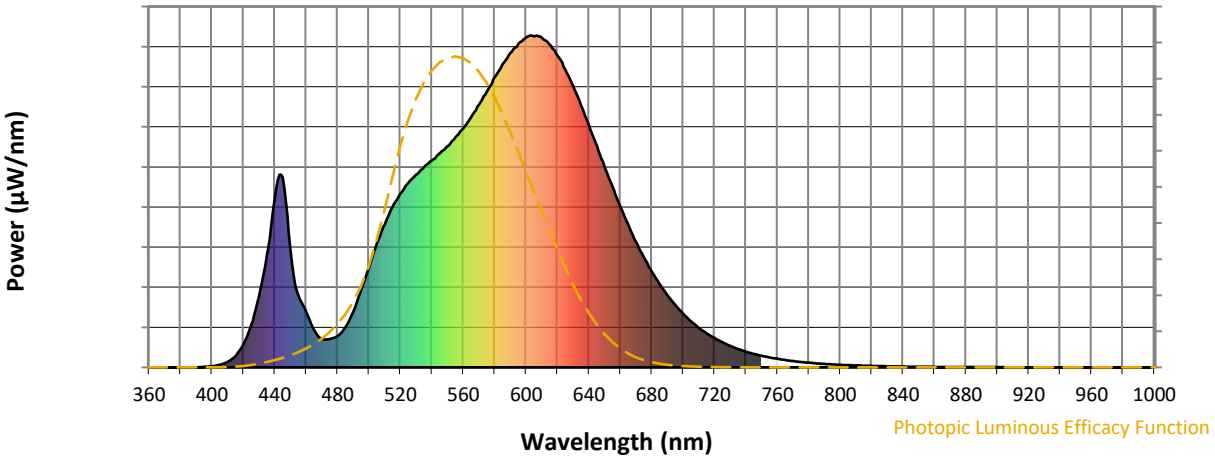


CCT = 3050K
CIE x = 0.4383
CIE y = 0.4131
Duv = 0.0034

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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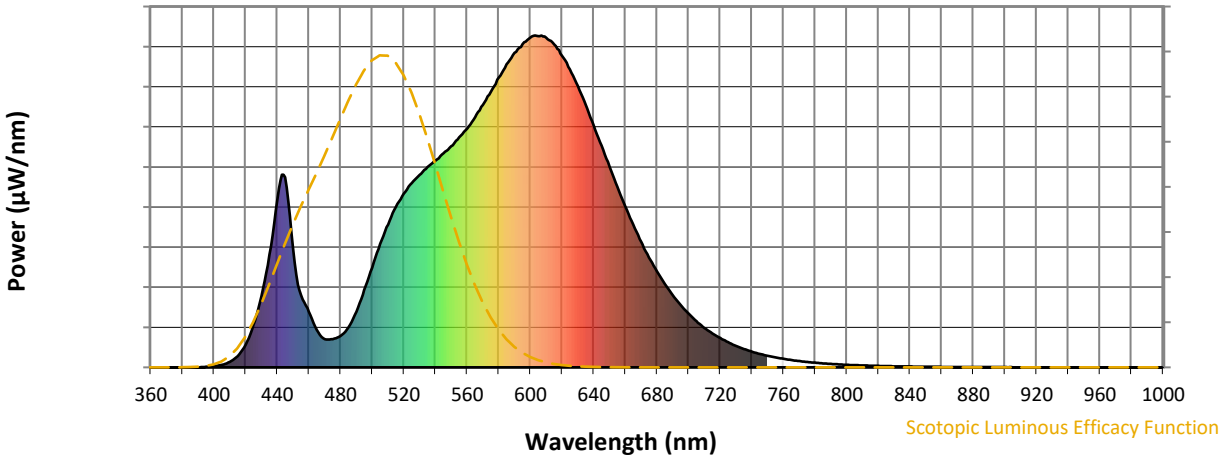
Scotopic Flux vs. Wavelength



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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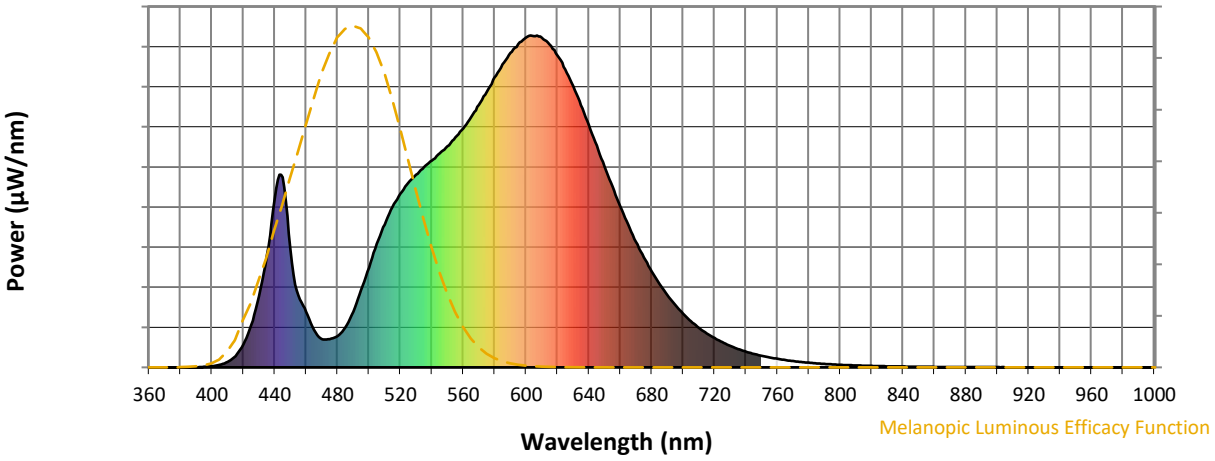
Melanopic Flux vs. Wavelength



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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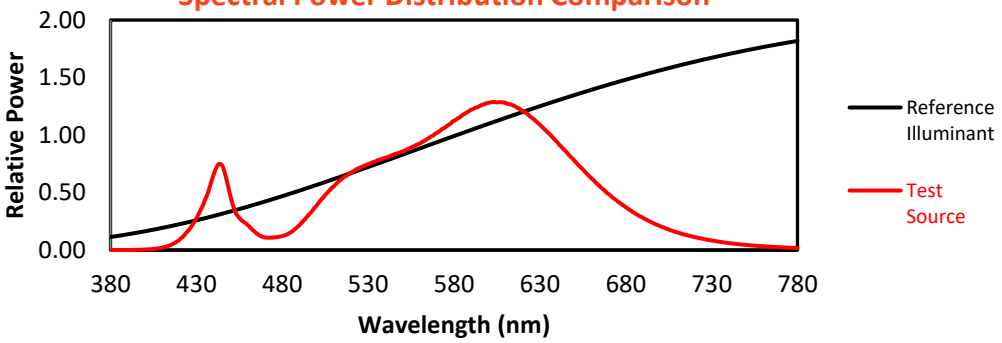
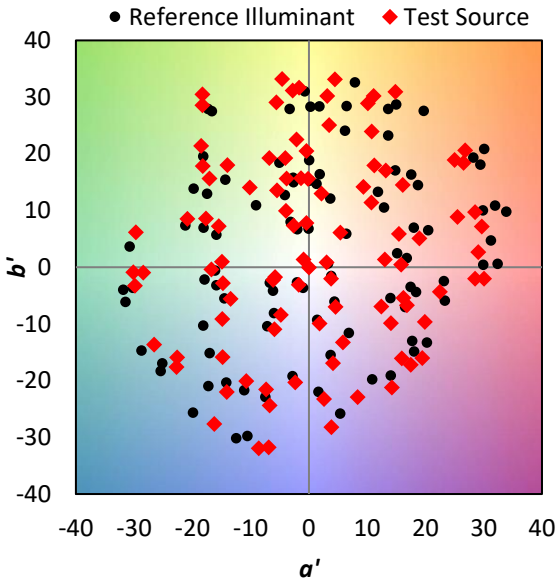
Summary

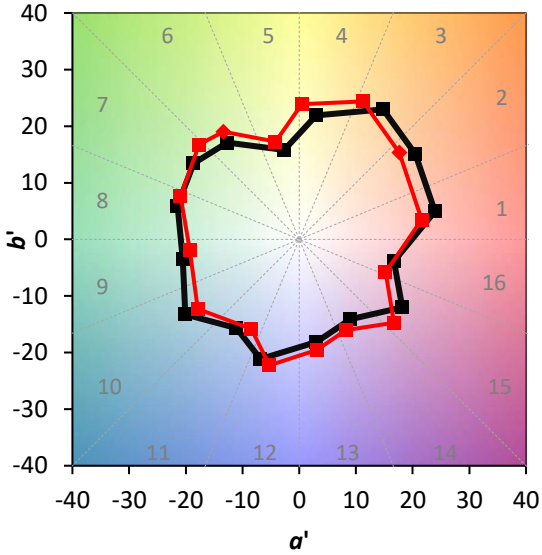
R_f = 81.5
R_g = 99.2
CIE R_a = 81.0
R_9 = 7.1

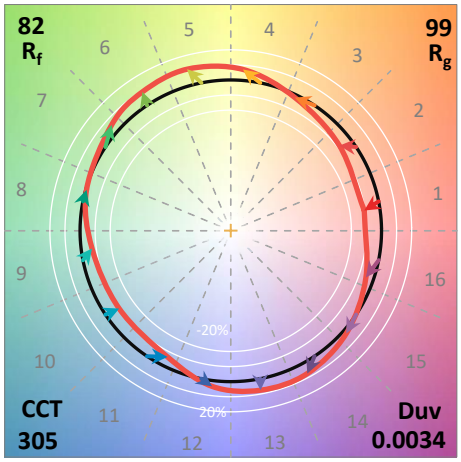
Spectral Power Distribution Comparison

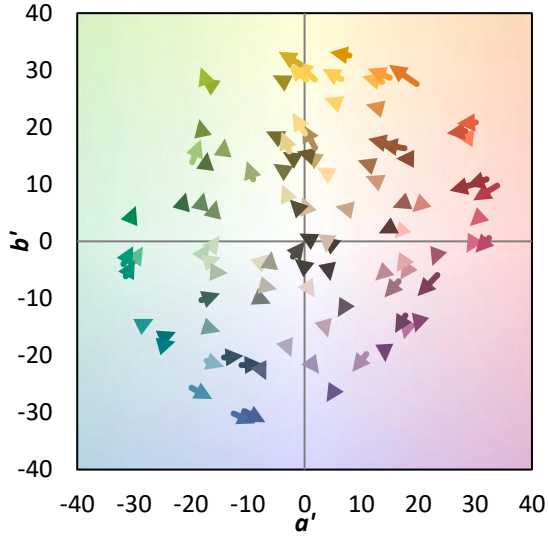


Color Vector Graphics









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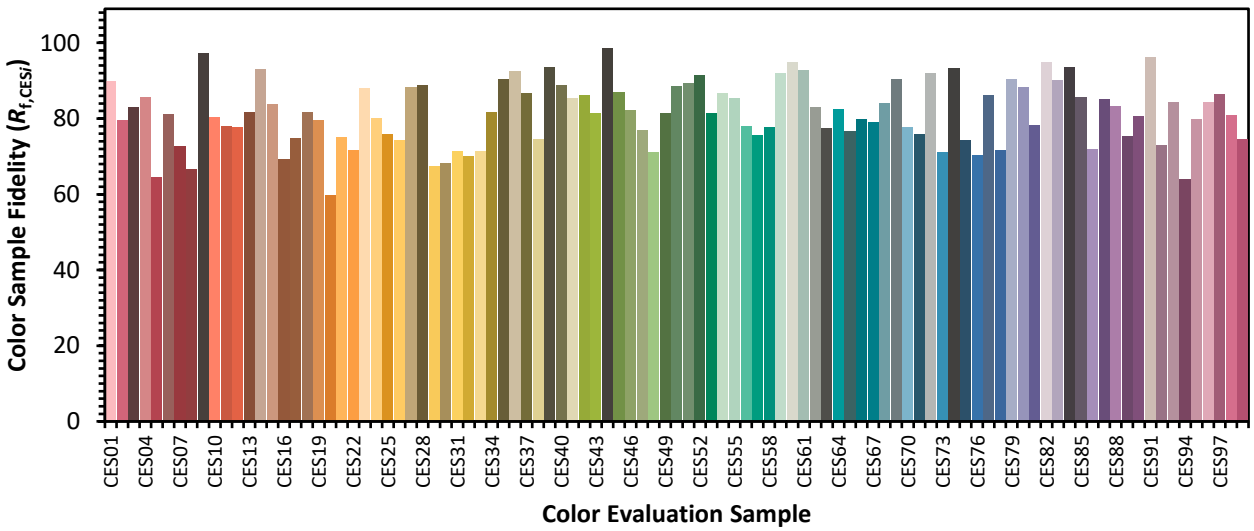
Individual Sample Fidelity Index ($R_{f,i}$)

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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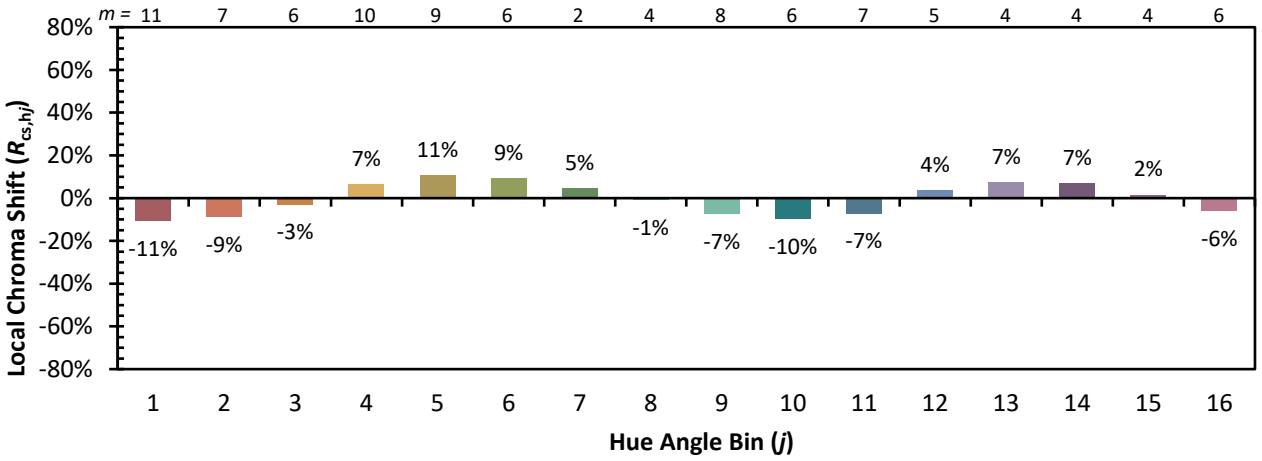
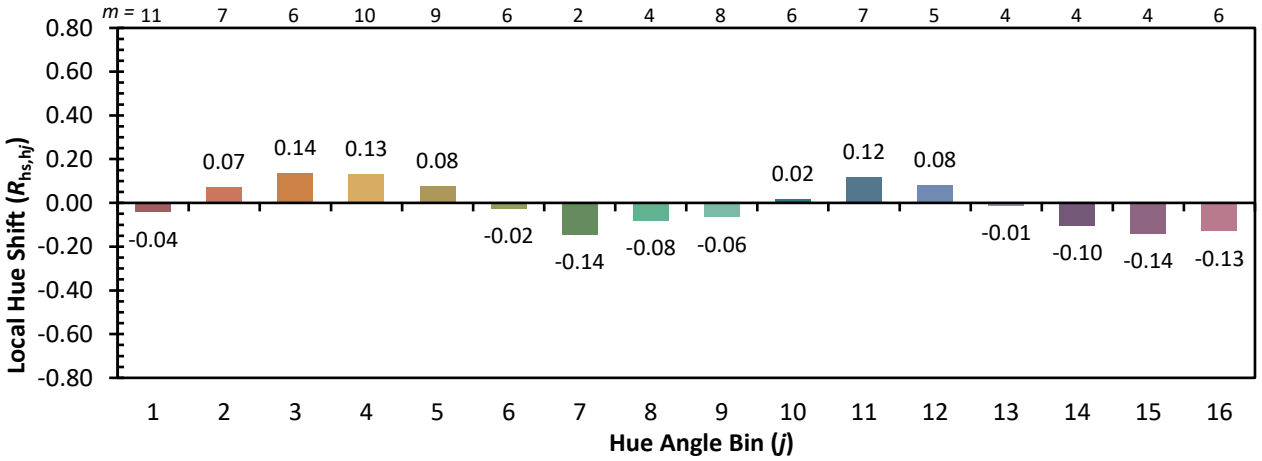
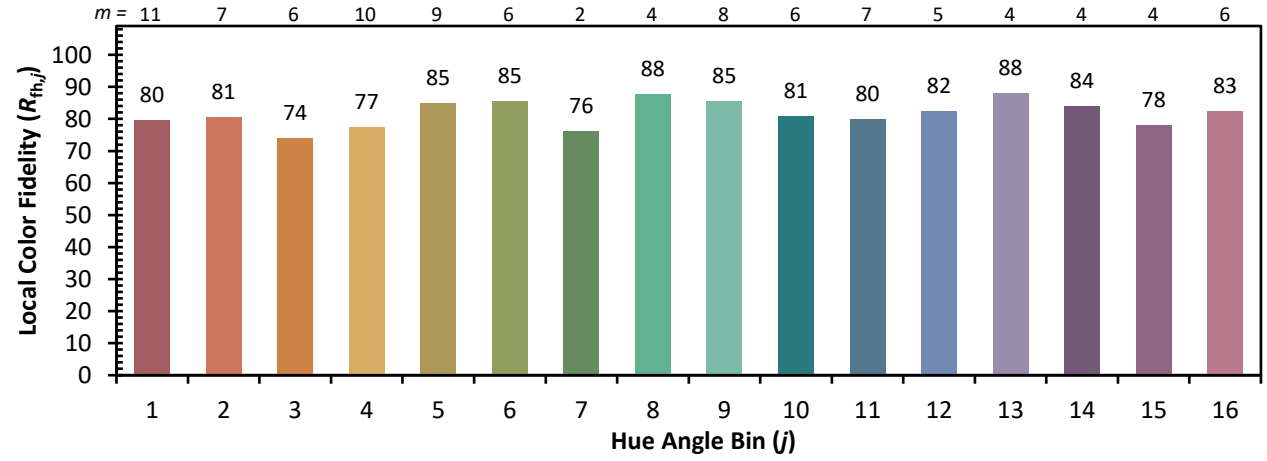
Color Rendition by Hue-Angle Bin







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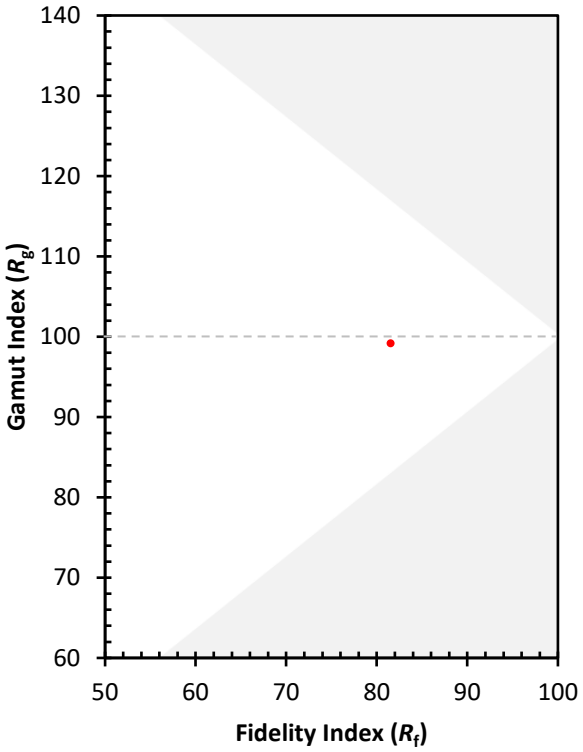
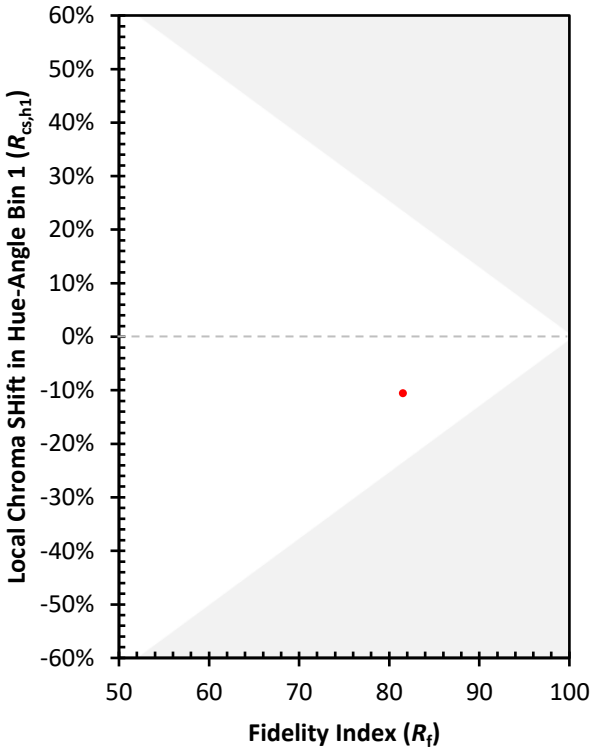
Measure Comparisons





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