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: P385834

Luminaire Tested: **GPC-SA1B-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:	P385834
	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-SA1B-830-U-T2-HSS
Description:	GALLEON PEDESTRIAN LUMINAIRE
	(1) 80 CRI, 3000K, 800mA LIGHTSQUARE WITH 16 LEDS AND TYPE II OPTICS WITH HOUSE SIDE SHIELD
Light Source:	-
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	3450 lumens
Efficiency:	N/A
Efficacy:	78.4 lumens/watt
Luminous Opening:	Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification:	Type II - Medium
BUG Rating:	B0 - U0 - G1

Input Watts (W):	44
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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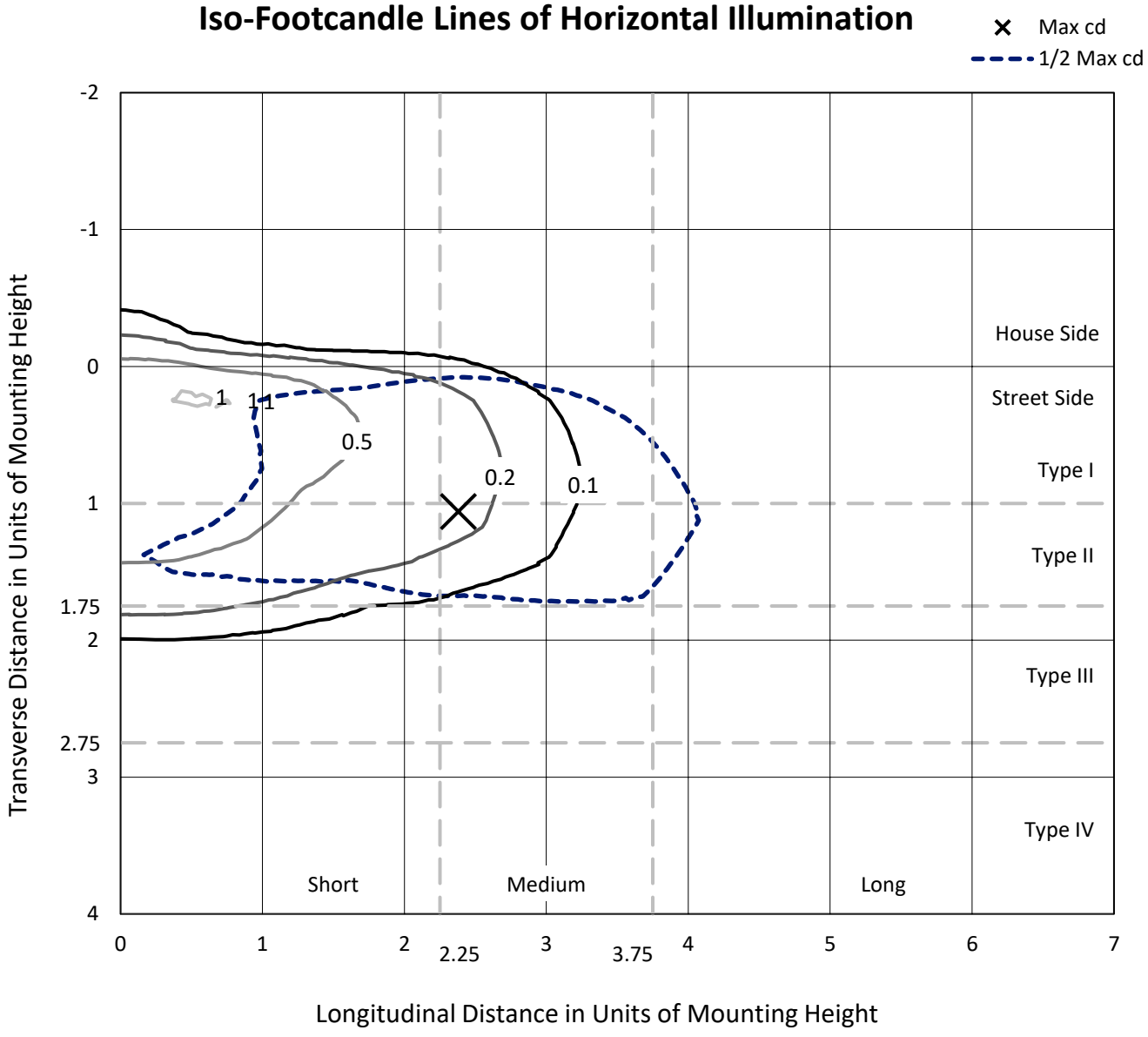
REPORT NUMBER: P385834
CATALOG NUMBER: GPC-SA1B-830-U-T2-HSS

Iso-Footcandle Lines of Horizontal Illumination



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

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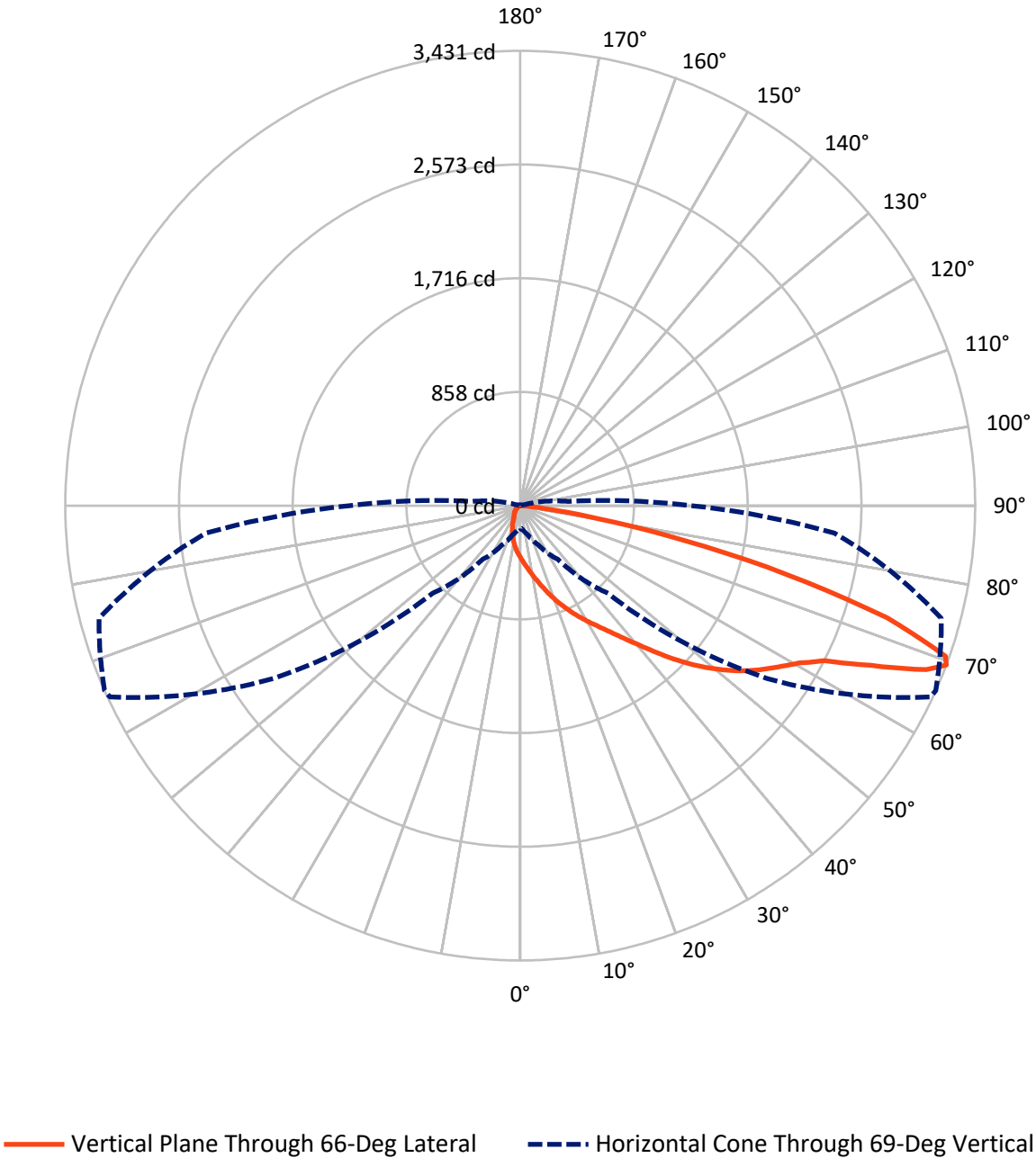
Luminous Intensity Polar Plot



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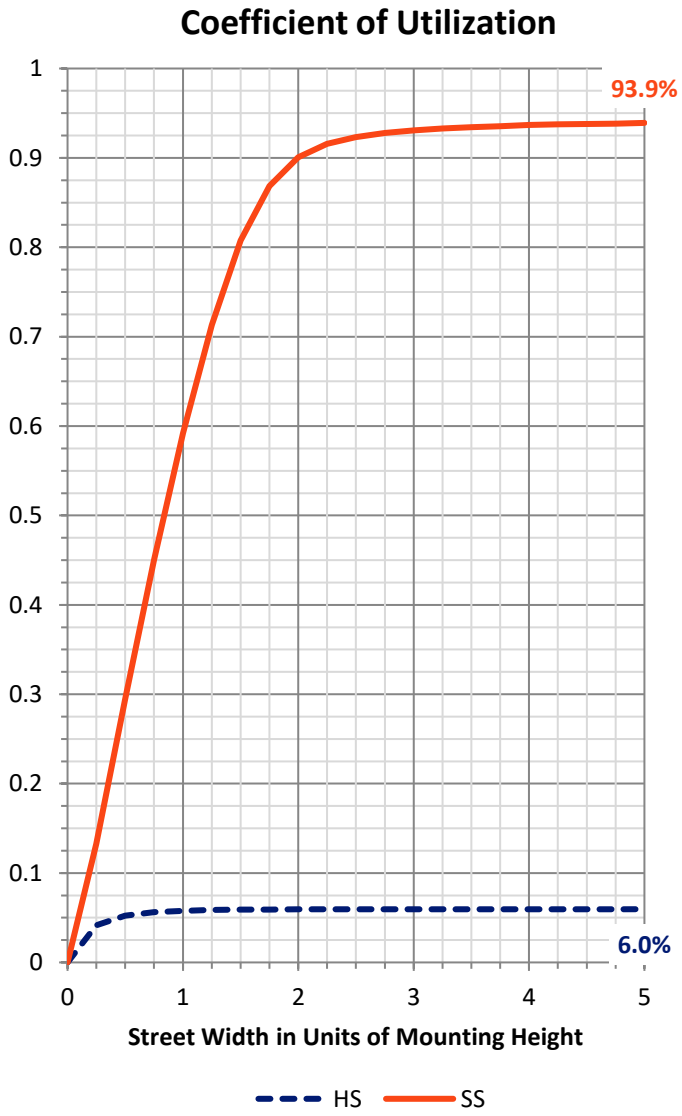
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	206.9	0.0	206.9
	% Fixture	6.0	0.0	6.0
Street Side	Lumens	3243.0	0.0	3243.0
	% Fixture	94.0	0.0	94.0
Total	Lumens	3450.0	0.0	3450.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	38.0	1.1
10°-20°	113.0	3.3
20°-30°	196.7	5.7
30°-40°	345.1	10.0
40°-50°	577.6	16.7
50°-60°	849.1	24.6
60°-70°	871.8	25.3
70°-80°	430.4	12.5
80°-90°	28.5	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°	3450.0	100.0
0°-180°	3450.0	100.0



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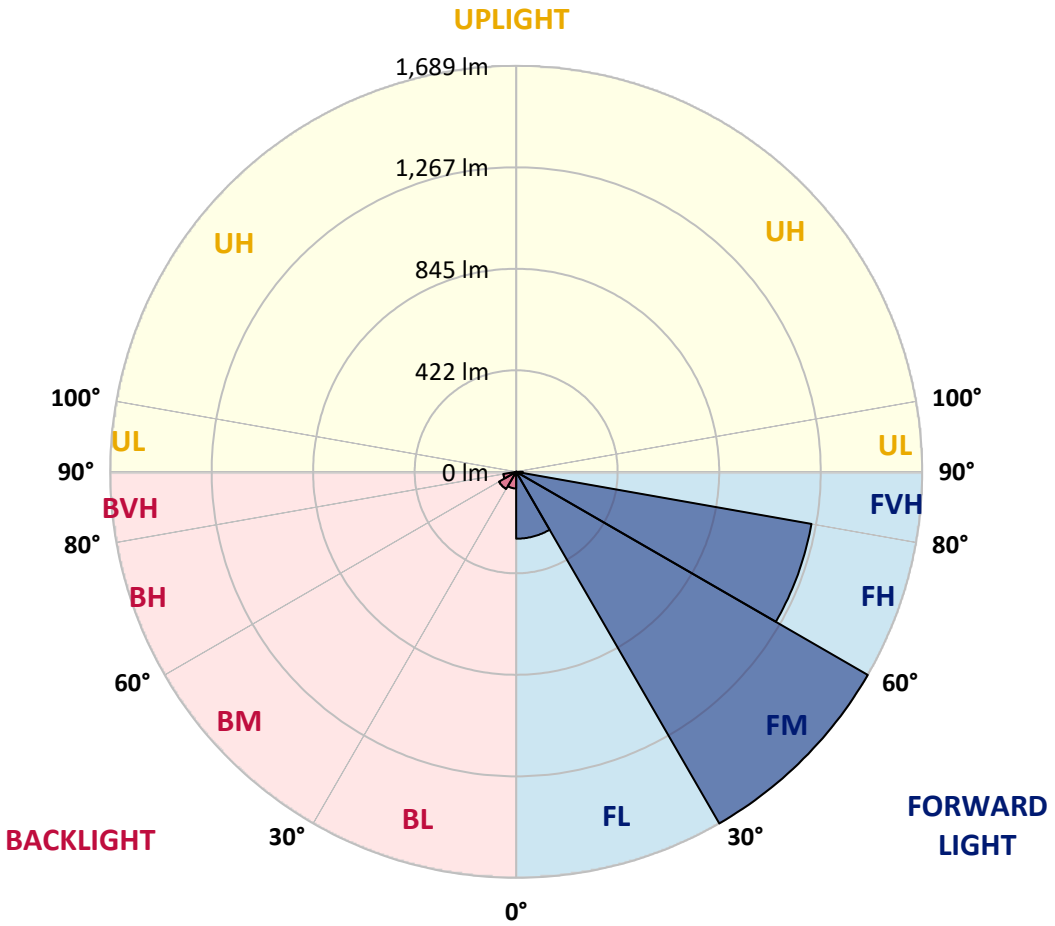
LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	278.4	8.1			
FM	(30°-60°)	1689.3	49.0			
FH	(60°-80°)	1247.6	36.2			G1/1800
FVH	(80°-90°)	27.8	0.8			G1/100
BL	(0°-30°)	69.2	2.0	B0/110		
BM	(30°-60°)	82.5	2.4	B0/220		
BH	(60°-80°)	54.5	1.6	B0/110		G0/110
BVH	(80°-90°)	0.7	0.0			G0/10
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B0-U0-G1
Type II Medium



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Scaled Data Report

REPORT NUMBER: P385834
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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	66°	75°	85°
0°	392.6	392.6	392.6	392.6	392.6	392.6	392.6	392.6	*392.6*	392.6	392.6
2.5°	462.1	460.1	459.3	455.7	449.5	444.7	435.6	424.9	*422.9*	412.6	400.0
5°	522.1	520.4	519.3	514.2	507.8	495.9	479.1	459.3	*455.5*	435.9	410.6
7.5°	563.9	566.8	566.8	563.5	555.5	546.5	526.0	499.0	*494.2*	464.1	424.9
10°	588.3	591.9	594.7	597.5	596.3	592.7	573.4	542.9	*537.2*	497.2	441.5
12.5°	590.6	594.2	602.0	613.7	625.0	633.2	621.0	591.6	*585.0*	535.5	461.1
15°	577.8	581.6	593.7	616.3	643.7	667.6	671.5	645.5	*638.7*	581.2	485.7
17.5°	555.5	558.0	575.3	606.6	649.6	693.5	717.2	703.3	*697.1*	633.5	513.1
20°	539.0	540.8	556.0	589.6	646.0	709.7	760.5	764.8	*758.2*	689.5	542.7
22.5°	567.3	570.6	571.1	587.0	636.1	717.7	798.5	825.2	*820.3*	749.0	571.9
25°	644.8	648.6	636.1	626.3	644.5	721.3	831.1	887.2	*883.2*	813.1	601.2
27.5°	747.2	751.2	735.1	705.8	688.2	734.9	860.1	950.1	*949.9*	880.9	632.8
30°	847.8	851.8	835.4	806.1	765.7	773.4	885.2	1016.0	*1016.9*	950.9	666.4
32.5°	953.4	958.3	941.4	903.7	861.6	840.0	920.4	1082.2	*1087.7*	1032.0	704.3
35°	1073.3	1074.0	1050.2	1010.7	962.2	929.0	977.0	1156.4	*1169.7*	1132.5	752.3
37.5°	1191.0	1195.7	1176.2	1114.0	1069.4	1031.7	1061.0	1249.1	*1268.0*	1255.2	815.1
40°	1278.1	1288.1	1285.4	1218.2	1175.9	1149.0	1165.4	1359.4	*1383.4*	1398.1	894.2
42.5°	1332.9	1340.4	1353.2	1312.7	1274.4	1278.8	1288.6	1487.9	*1517.4*	1561.0	985.2
45°	1395.6	1399.2	1409.9	1392.0	1366.1	1410.7	1419.4	1632.6	*1663.6*	1736.2	1086.1
47.5°	1472.3	1480.9	1483.8	1467.4	1455.6	1527.4	1545.4	1764.2	*1807.6*	1923.8	1192.9
50°	1570.0	1572.3	1577.4	1566.7	1554.9	1627.7	1658.5	1902.3	*1941.8*	2112.1	1298.3
52.5°	1665.5	1673.7	1691.4	1684.7	1679.9	1713.0	1759.3	2026.8	*2070.9*	2269.0	1403.5
55°	1693.1	1700.1	1761.2	1803.0	1841.7	1818.2	1855.6	2138.4	*2186.1*	2409.3	1504.8
57.5°	1583.1	1597.4	1703.2	1812.0	1972.4	1981.8	1988.0	2253.0	*2295.8*	2516.8	1610.1
60°	1305.2	1308.0	1481.7	1668.3	1950.8	2124.5	2181.4	2376.0	*2411.9*	2616.9	1736.3
62.5°	830.1	858.5	1049.1	1312.6	1722.1	2103.9	2415.2	2562.2	*2575.3*	2737.0	1917.2
65°	395.4	413.8	551.1	811.0	1247.3	1839.6	2576.6	2898.9	*2904.8*	2975.1	2158.9
67.5°	218.9	227.8	293.2	436.5	729.2	1300.9	2511.4	3297.8	*3303.4*	3218.3	2371.0
69°	*171.2*	*178.8*	*230.2*	*329.0*	*494.4*	*935.0*	*2272.6*	*3414.6*	*3431.2*	*3288.0*	*2378.5*
70°	145.3	152.7	198.3	277.9	397.5	722.5	2022.9	3385.6	*3403.2*	3281.4	2322.3
72.5°	89.0	93.2	132.1	195.7	266.4	363.5	1247.5	2863.2	*2892.9*	3010.0	1995.9
75°	60.0	62.3	82.6	135.0	190.6	187.1	648.1	2018.2	*2082.4*	2341.5	1474.1
77.5°	42.9	45.1	55.4	87.3	133.6	123.6	293.5	1254.2	*1268.0*	1404.3	803.9
80°	24.4	26.4	39.2	51.9	90.6	82.4	116.7	599.1	*606.0*	602.2	268.4
82.5°	12.8	14.4	21.5	34.2	58.2	53.9	48.5	200.6	*201.6*	167.6	58.8
85°	2.5	2.9	10.7	23.4	30.0	23.4	19.8	47.0	*48.0*	42.4	14.6
87.5°	0.0	0.2	4.3	5.2	5.9	6.1	6.4	9.2	*9.8*	13.3	3.9
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: P385834
CATALOG NUMBER: GPC-SA1B-830-U-T2-HSS

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	392.6	392.6	392.6	392.6	392.6	392.6	392.6	392.6	392.6	392.6	392.6
2.5°	394.4	388.5	377.2	364.1	353.9	344.0	336.1	327.9	324.9	323.5	323.3
5°	398.4	385.9	362.0	337.4	317.2	298.2	284.6	271.7	265.6	262.8	261.7
7.5°	404.9	384.9	346.4	308.9	279.9	256.1	237.3	223.2	216.1	213.2	212.0
10°	412.6	383.6	328.2	278.7	241.7	217.1	198.4	184.5	176.8	173.5	171.9
12.5°	421.6	381.3	307.2	248.3	209.1	184.5	161.9	144.7	135.8	132.1	130.3
15°	432.8	379.0	285.3	219.6	180.4	150.4	125.7	114.1	112.2	111.6	111.8
17.5°	443.7	375.4	261.4	191.2	150.3	117.5	104.9	104.2	104.5	104.5	104.5
20°	453.6	367.2	235.3	167.0	121.6	99.1	96.5	95.4	94.6	93.9	93.1
22.5°	461.3	356.2	210.2	142.9	99.3	90.8	86.7	83.1	80.1	78.2	77.2
25°	466.5	341.7	187.3	119.8	89.3	82.6	75.2	69.2	64.6	61.8	60.6
27.5°	470.5	325.9	166.8	100.3	82.4	73.1	63.4	56.2	51.5	49.0	48.0
30°	473.2	308.1	148.8	88.2	74.7	63.1	52.8	45.7	42.3	41.0	40.3
32.5°	475.9	288.2	131.7	82.4	67.5	53.9	44.2	38.8	36.7	35.1	34.6
35°	482.4	269.9	115.5	76.4	60.1	46.0	38.0	34.1	32.0	31.0	30.6
37.5°	498.0	256.3	100.0	70.1	52.8	39.8	33.3	30.5	28.5	27.5	27.2
40°	523.1	249.4	86.8	63.4	45.6	35.1	30.2	27.5	25.4	23.9	23.6
42.5°	559.9	250.4	77.7	56.7	39.8	31.3	27.2	24.1	21.8	20.5	20.2
45°	604.7	257.6	71.3	50.1	35.1	28.3	23.9	20.6	18.5	17.4	17.0
47.5°	653.2	269.2	66.0	44.2	31.3	25.6	20.6	17.2	15.4	14.4	14.3
50°	704.3	280.5	60.6	38.5	28.0	22.8	17.4	14.3	12.8	12.0	11.6
52.5°	756.1	293.6	55.7	33.3	25.2	19.5	14.4	11.6	10.5	9.8	9.5
55°	811.8	303.5	51.0	29.2	22.4	16.6	12.0	9.7	8.7	7.9	7.7
57.5°	877.3	318.7	46.0	25.2	19.2	13.8	9.8	7.7	6.9	6.1	5.9
60°	965.8	336.6	40.8	22.3	15.7	11.3	8.0	6.2	5.2	4.6	4.4
62.5°	1082.5	356.4	34.2	19.5	12.8	9.2	6.4	4.9	3.8	2.9	2.9
65°	1230.5	388.7	28.0	16.4	10.5	7.5	4.9	3.6	2.1	1.3	1.3
67.5°	1316.8	394.3	22.6	13.4	8.5	6.4	4.1	2.5	0.7	0.2	0.0
69°	*1289.1*	*362.0*	*19.2*	*11.5*	*7.4*	*6.1*	*3.8*	*1.8*	*0.3*	*0.0*	*0.0*
70°	1237.0	331.0	16.9	10.2	6.7	5.7	3.6	1.3	0.3	0.0	0.0
72.5°	1022.2	235.6	12.8	7.5	4.9	5.1	3.3	0.8	0.3	0.0	0.0
75°	744.6	143.2	9.2	5.2	3.1	3.8	2.3	0.3	0.2	0.0	0.0
77.5°	414.3	67.5	5.7	2.9	2.0	2.3	1.1	0.0	0.0	0.0	0.0
80°	134.5	18.4	2.6	1.6	1.1	1.3	0.5	0.0	0.0	0.0	0.0
82.5°	24.9	5.2	1.5	0.8	0.3	0.3	0.0	0.0	0.0	0.0	0.0
85°	5.4	2.1	0.8	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	1.8	0.7	0.2	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

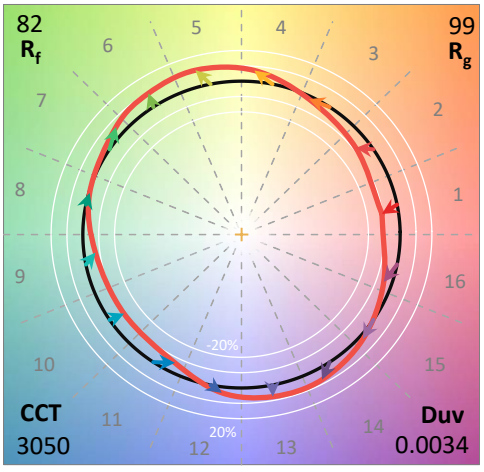
Test Information

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

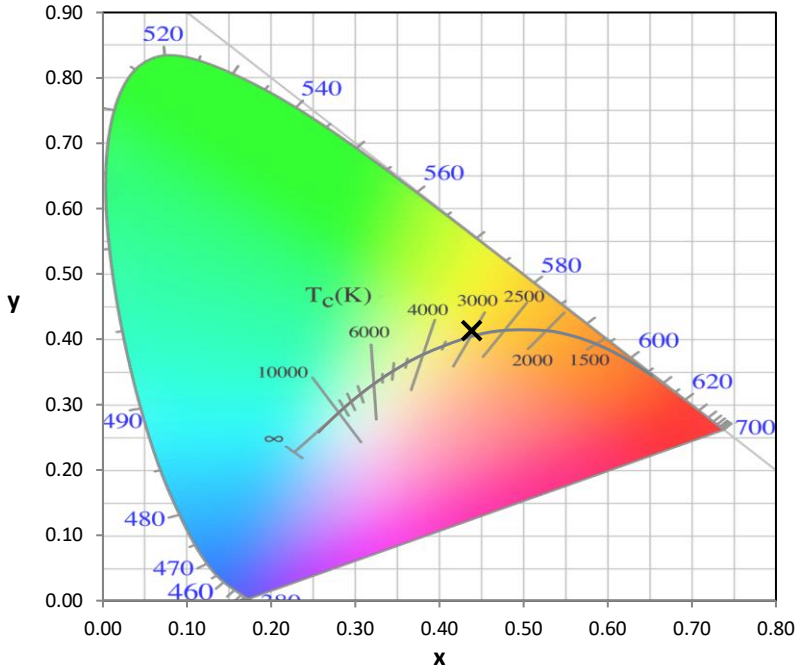
Stabilization Time:	20M
Operation Time:	1H 20M
Sphere Temperature (°C):	24.2

REPORT NUMBER: SP1-2408-195-9

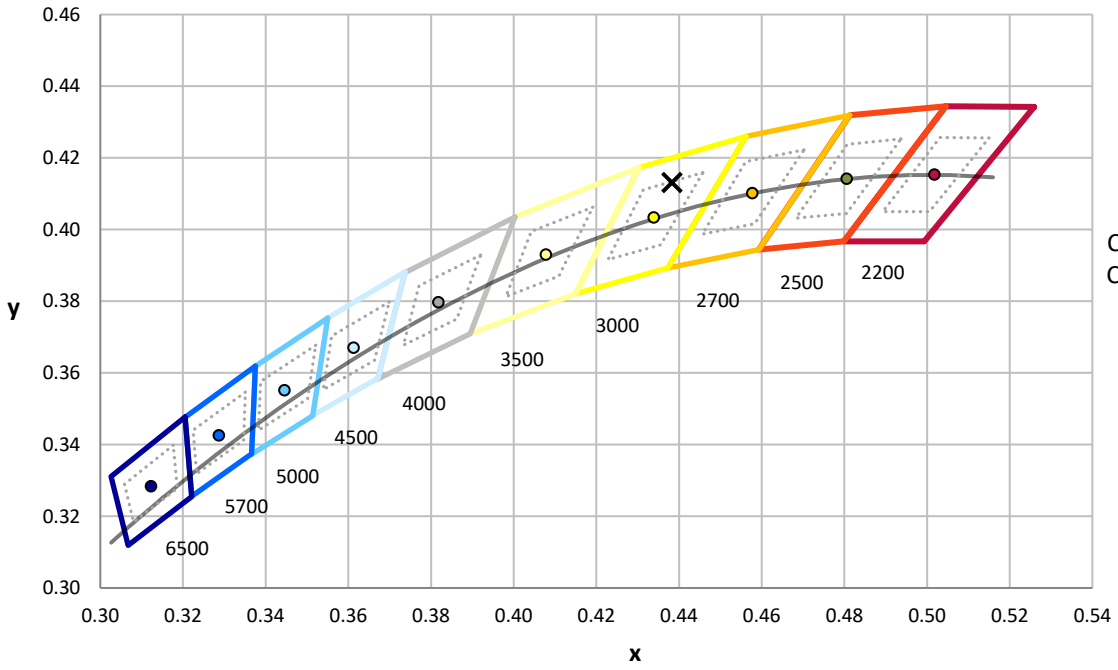
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

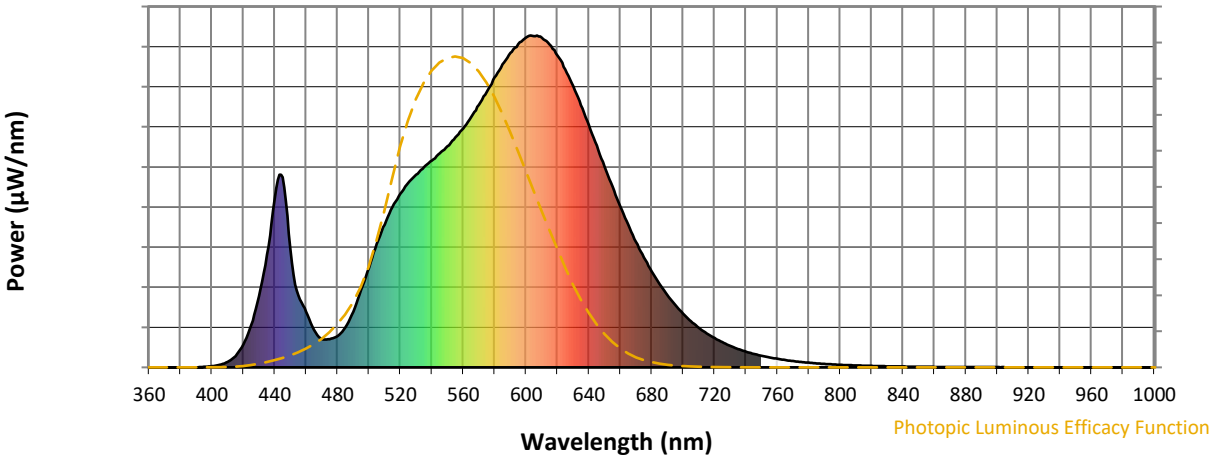


CCT = 3050K
CIE x = 0.4383
CIE y = 0.4131
Duv = 0.0034

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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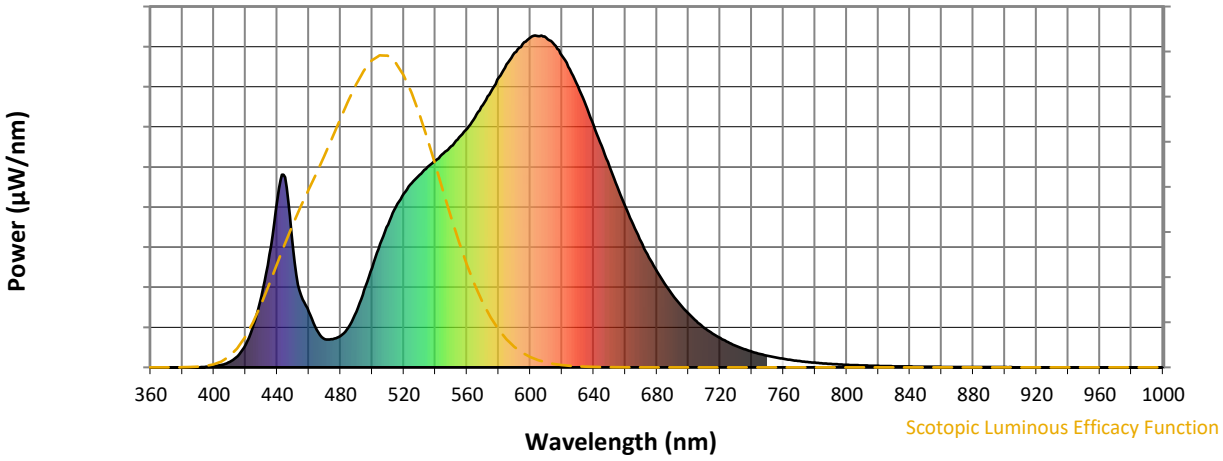
Scotopic Flux vs. Wavelength



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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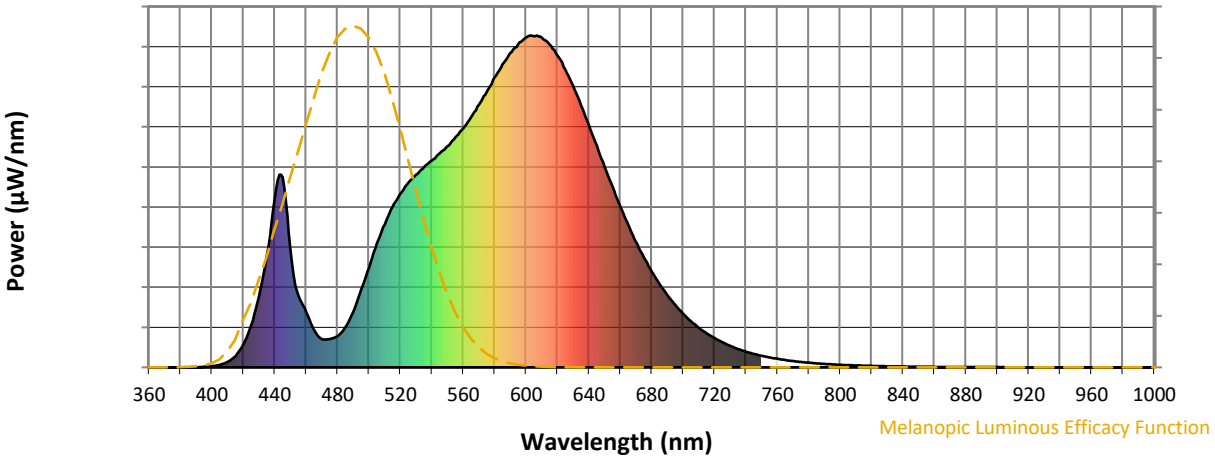
Melanopic Flux vs. Wavelength



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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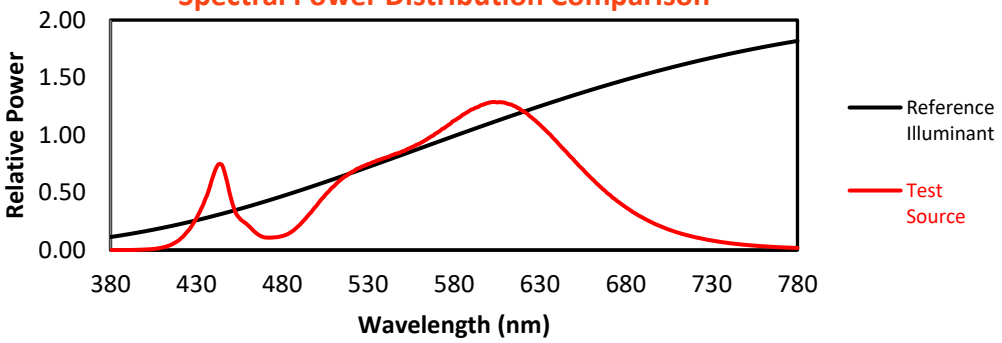
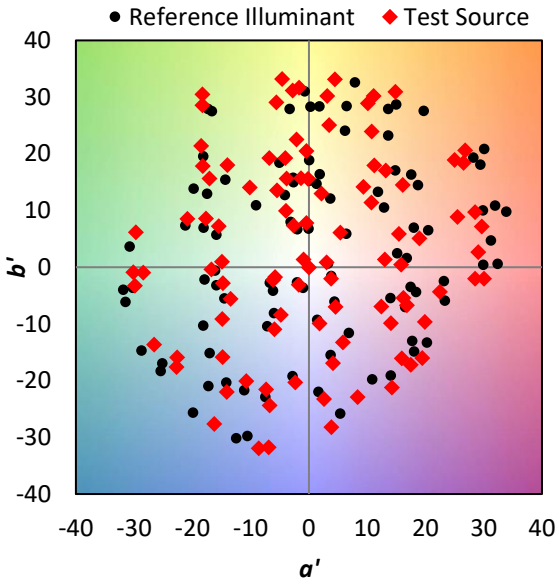
Summary

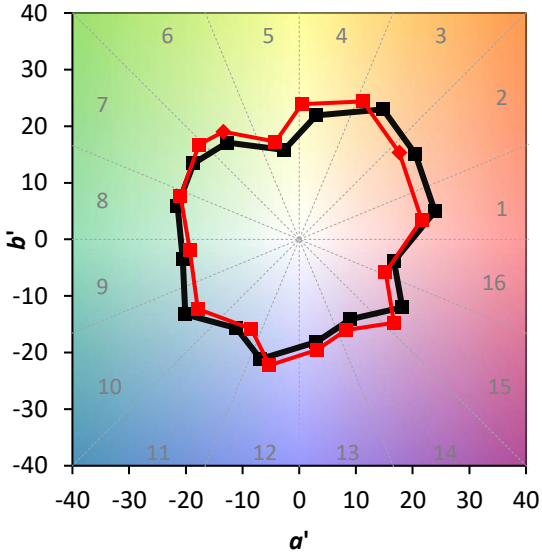
R_f = 81.5
R_g = 99.2
CIE R_a = 81.0
R_9 = 7.1

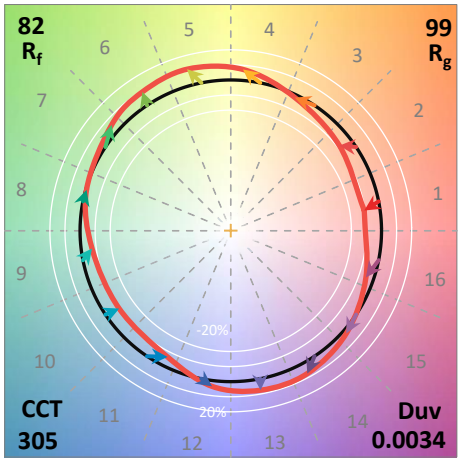
Spectral Power Distribution Comparison

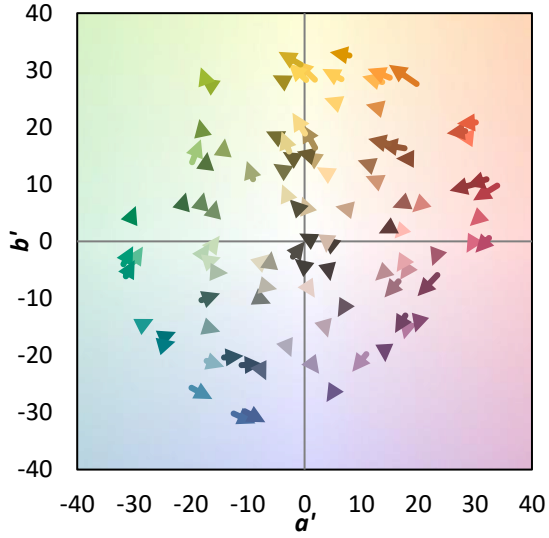


Color Vector Graphics









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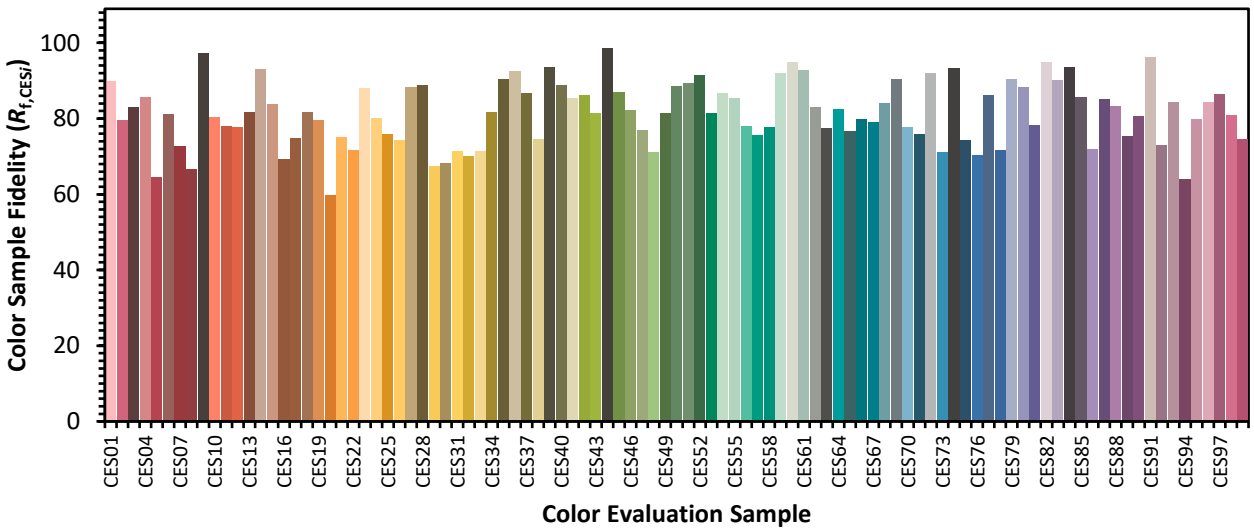
Individual Sample Fidelity Index ($R_{f,i}$)

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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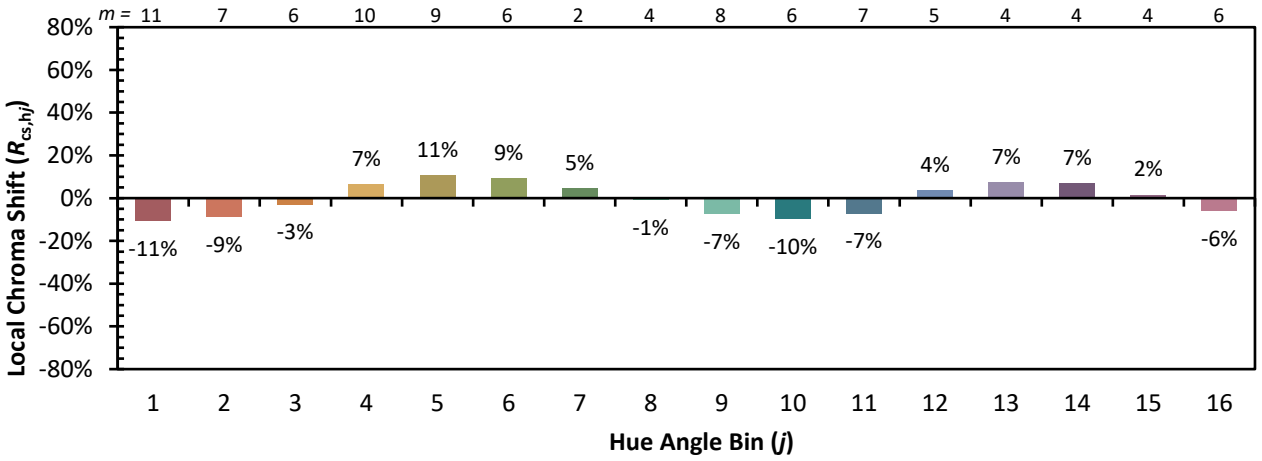
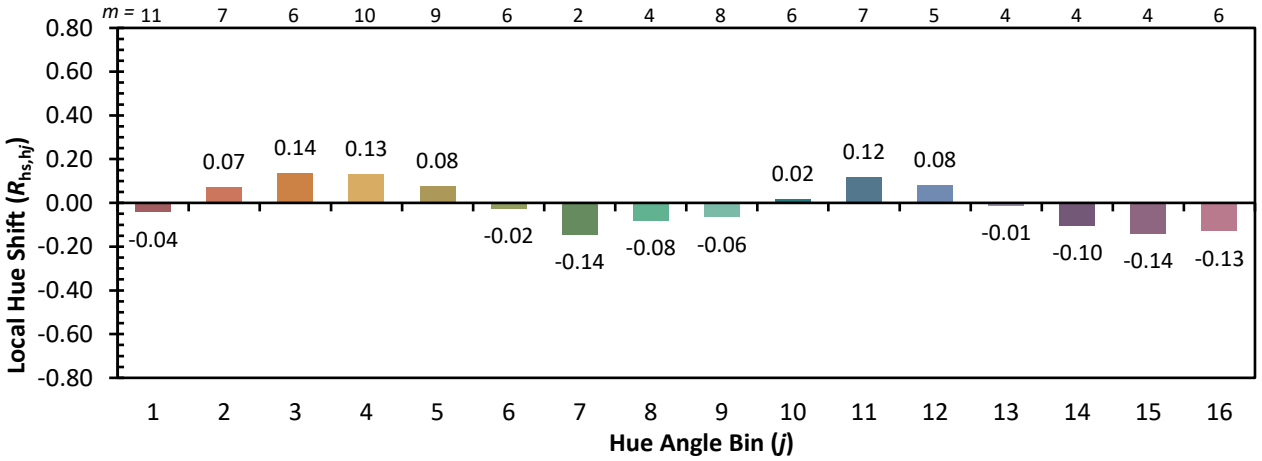
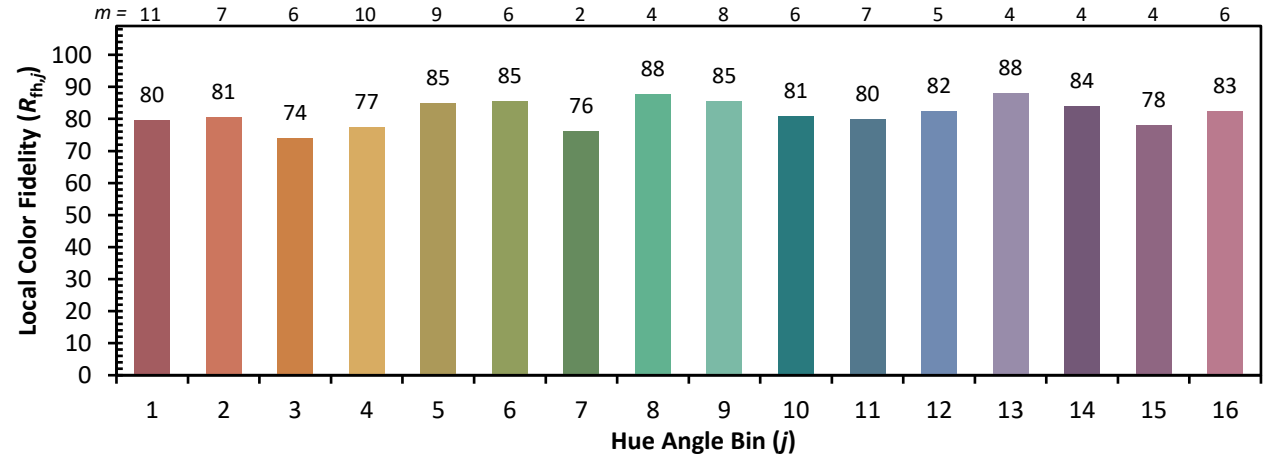
Color Rendition by Hue-Angle Bin







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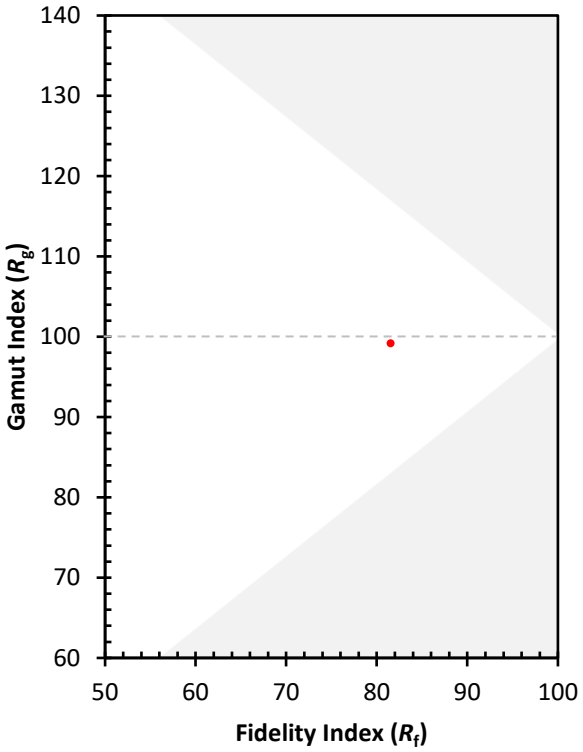
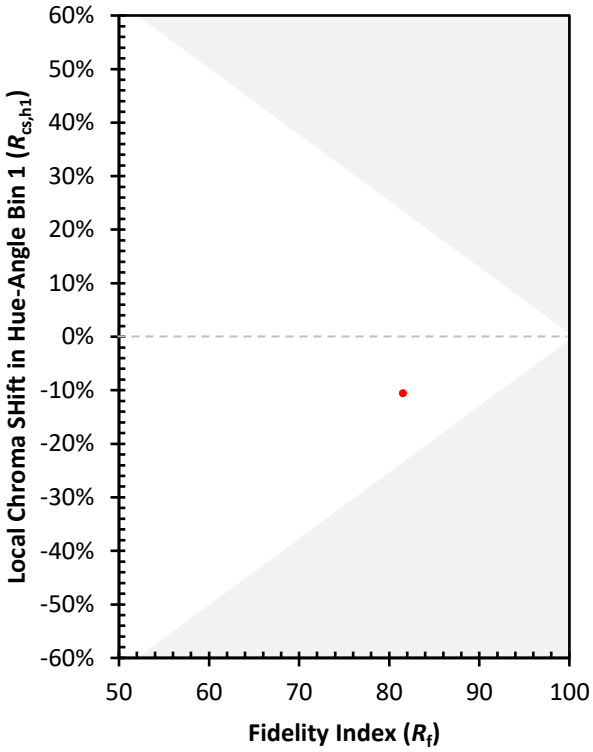
Measure Comparisons





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