Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

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Peachtree City, GA 30269

Scaled data based on original data using

LM-79-2024 Approved Method: Electrical and Photometric Measurements of Solid-State Lighting Products

Test Report Prepared for

Cooper Lighting Solutions

Brand: McGRAW-EDISON

Report Number: P1197496

Luminaire Tested: GPC-SB1A-830-U-T3R

Issue Date: 10/30/2025

Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

Scaled Data Report

Test Information

Test Method:	LM-79-2024
Report Number:	P1197496
	TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-5)
Test Lab:	INNOVATION CENTER
Issue Date:	3/15/2026
Manufacturer:	COOPER LIGHTING SOLUTIONS
Product Line:	McGRAW-EDISON
Catalog Number:	GPC-SB1A-830-U-T3R
Description:	GALLEON PEDESTRIAN LUMINAIRE
	(1) 80 CRI, 3000K, 350mA LIGHTSQUARE WITH 26 LEDS AND TYPE III ROADWAY OPTICS
Light Source:	-
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	4160 lumens
Efficiency:	N/A
Efficacy:	134.6 lumens/watt
Luminous Opening:	Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification:	Type III - Medium
BUG Rating:	B1 - U0 - G1

Input Watts (W):	30.9
Input Voltage (V):	120.0
Input Current (Ain):	0.263
Voltage Rise (V):	NR
Power Factor:	0.995
Total Harmonic Distortion (THDi):	6.356
Frequency (hertz):	60
Stabilization Time:	NR
Operation Time:	NR
Ambient Temperature (°C):	NR
Test Distance:	28.75 FT

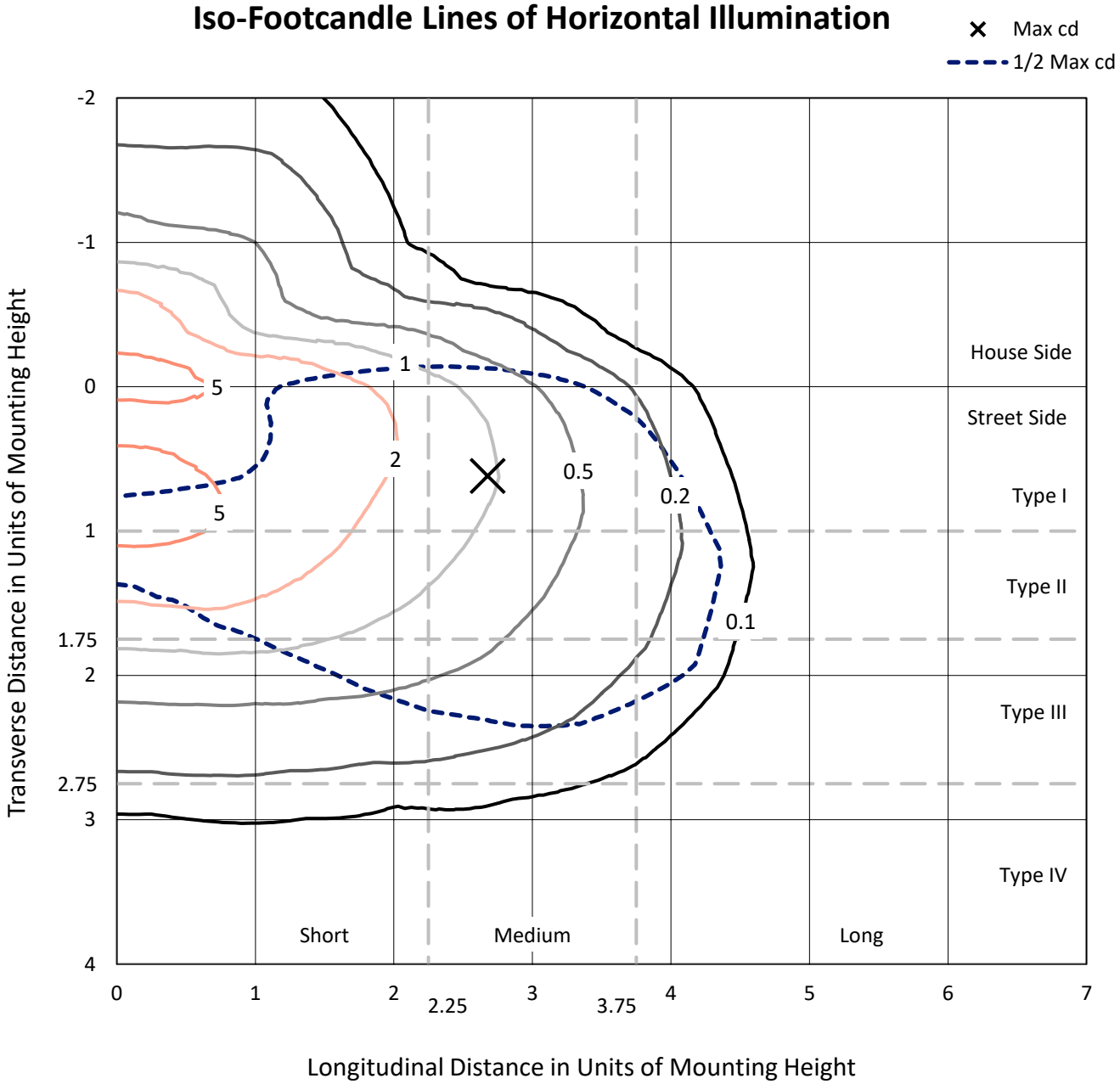


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Scaled Data Report

REPORT NUMBER: P1197496
CATALOG NUMBER: GPC-SB1A-830-U-T3R

Iso-Footcandle Lines of Horizontal Illumination



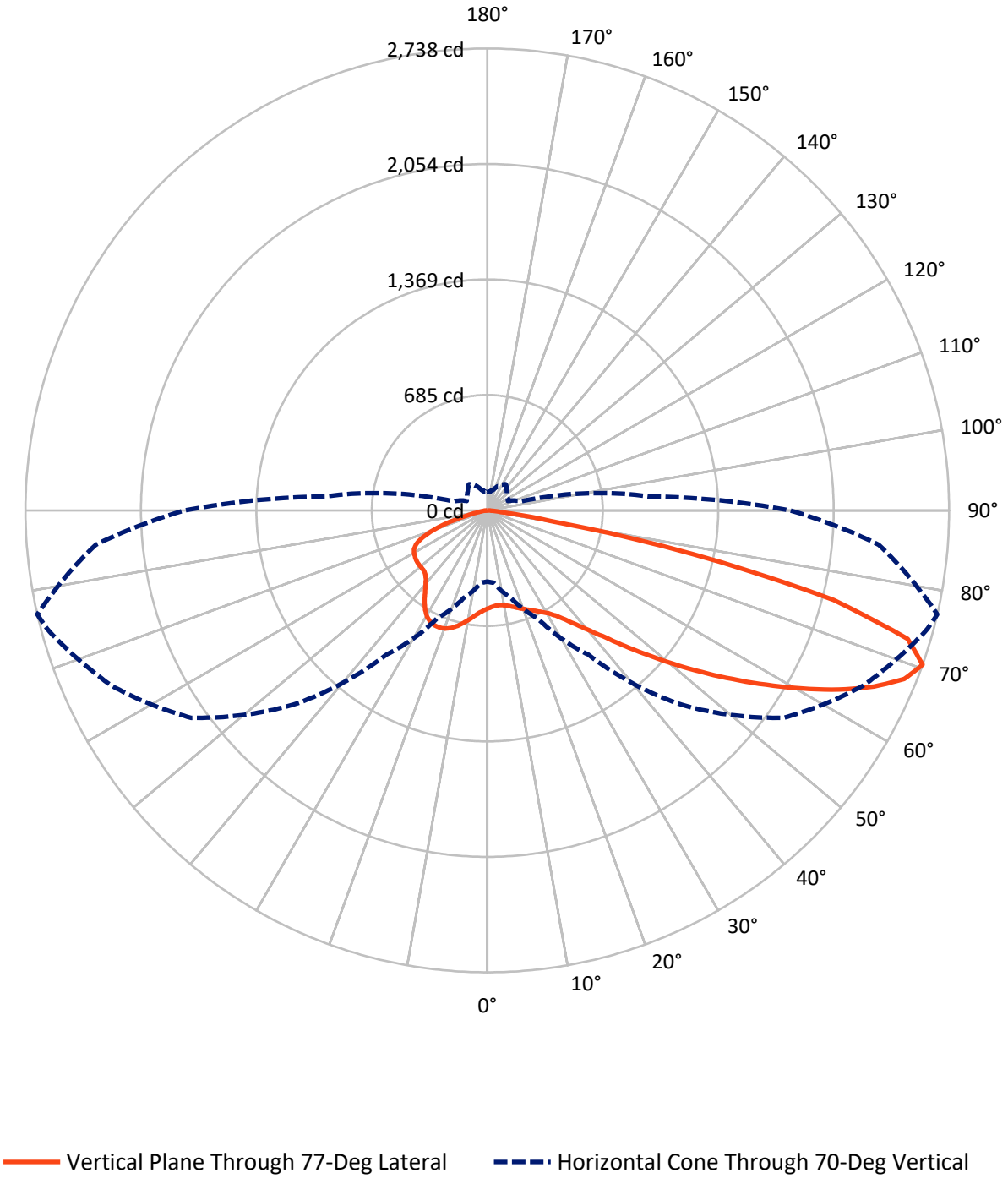
Based on 10 foot mounting height. Maximum calculated value = 6.9 fc
Type III - Medium - N/A

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Luminous Intensity Polar Plot



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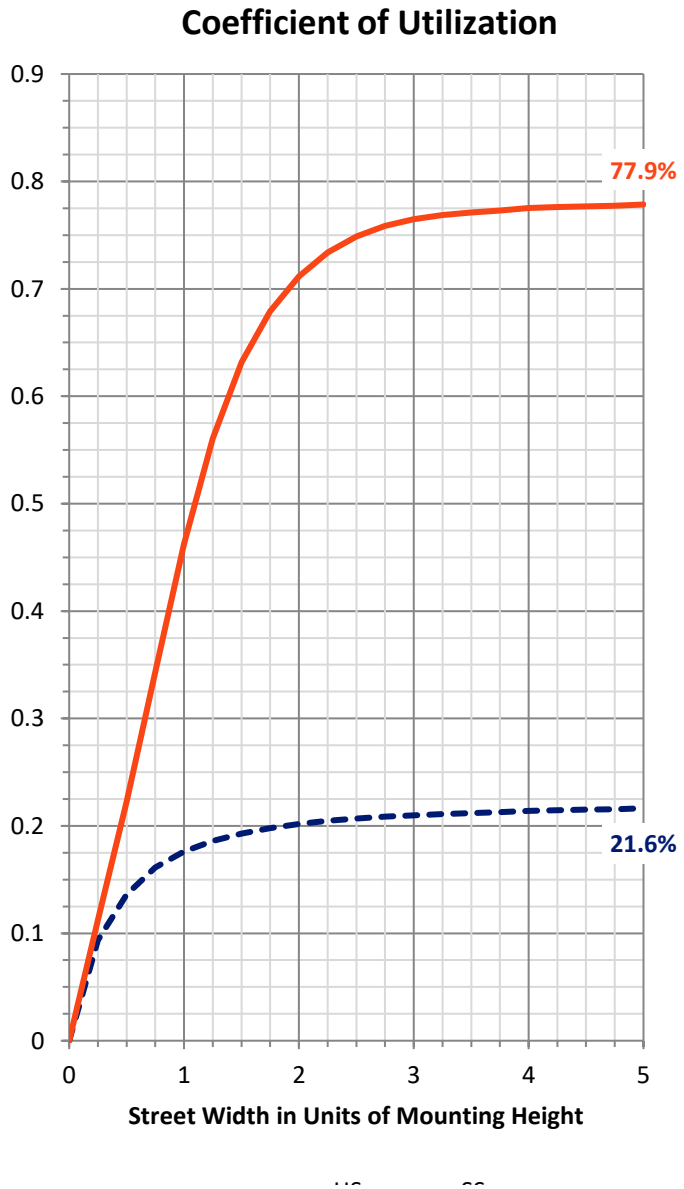
REPORT NUMBER: P1197496
CATALOG NUMBER: GPC-SB1A-830-U-T3R

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	911.0	0.0	911.0
	% Fixture	21.9	0.0	21.9
Street Side	Lumens	3249.0	0.0	3249.0
	% Fixture	78.1	0.0	78.1
Total	Lumens	4160.0	0.0	4160.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	55.4	1.3
10°-20°	159.7	3.8
20°-30°	273.2	6.6
30°-40°	439.3	10.6
40°-50°	685.9	16.5
50°-60°	916.2	22.0
60°-70°	976.5	23.5
70°-80°	601.1	14.5
80°-90°	52.7	1.3
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°	4160.0	100.0
0°-180°	4160.0	100.0



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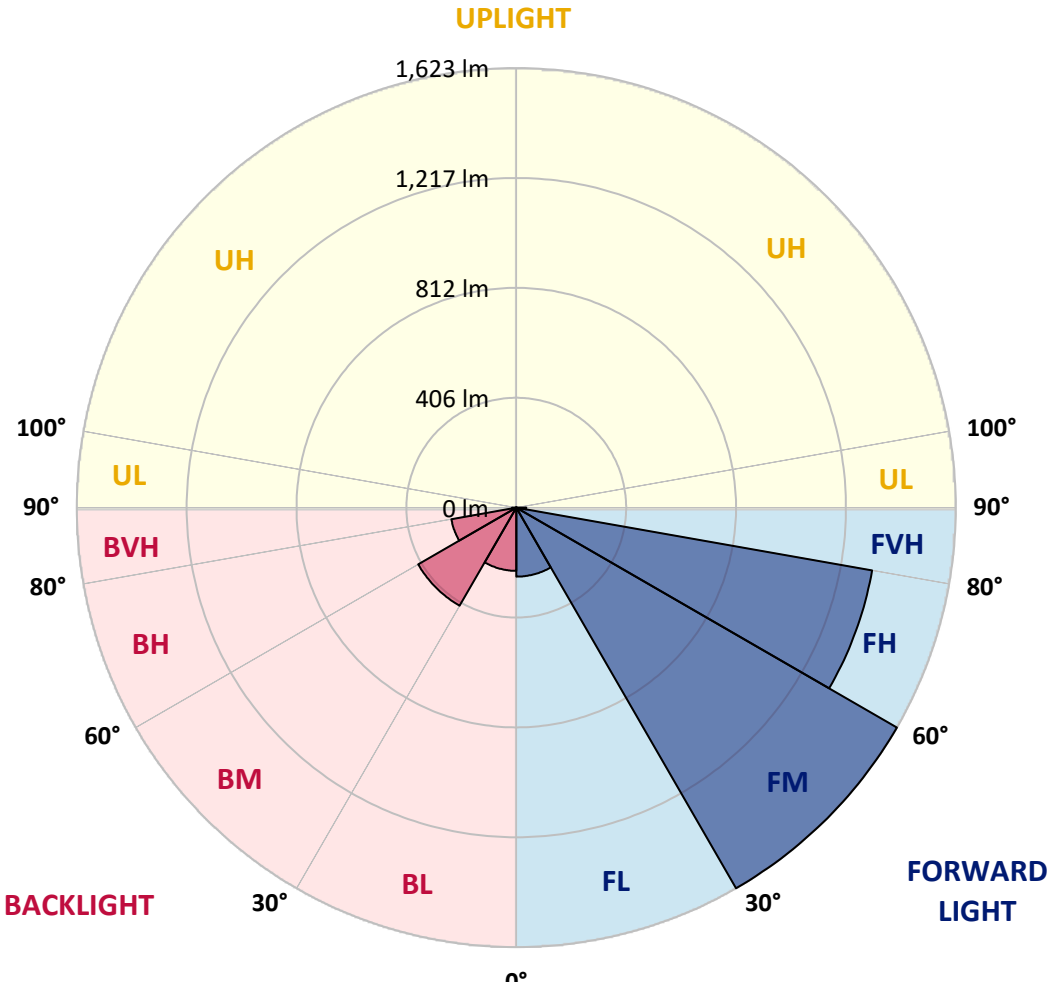
Scaled Data Report

REPORT NUMBER: P1197496
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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°)	254.9	6.1			
FM	(30°-60°)	1623.1	39.0			
FH	(60°-80°)	1334.2	32.1			G1/1800
FVH	(80°-90°)	36.8	0.9			G1/100
BL	(0°-30°)	233.4	5.6	B1/500		
BM	(30°-60°)	418.2	10.1	B1/1000		
BH	(60°-80°)	243.5	5.9	B1/500		G1/500
BVH	(80°-90°)	15.8	0.4			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G1
Type III Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	77°	85°
0°	580.4	580.4	580.4	580.4	580.4	580.4	580.4	580.4	580.4	*580.4*	580.4
2.5°	535.0	534.8	537.5	538.4	543.5	547.1	553.9	561.2	570.6	*571.6*	577.4
5°	504.1	504.1	507.3	510.7	517.3	524.5	535.0	547.5	563.7	*566.3*	580.6
7.5°	477.9	479.6	482.4	489.0	496.6	507.1	523.0	540.9	562.2	*566.3*	589.3
10°	456.8	458.7	462.1	467.4	478.9	493.4	514.3	537.3	565.9	*572.3*	602.1
12.5°	450.2	452.1	454.0	458.1	468.7	485.8	510.7	539.0	574.6	*581.0*	619.6
15°	465.5	467.9	466.4	465.3	470.8	486.4	512.4	545.2	585.5	*594.6*	641.1
17.5°	500.9	501.7	498.3	488.3	487.5	495.8	520.5	553.7	599.1	*609.1*	662.8
20°	558.0	556.5	549.5	529.7	518.4	516.7	534.3	566.5	613.2	*623.8*	686.2
22.5°	635.5	633.8	619.8	588.5	563.3	546.7	554.4	583.1	628.9	*640.9*	709.0
25°	732.3	729.9	709.3	666.6	627.7	586.5	581.6	605.1	648.3	*659.4*	732.9
27.5°	845.2	843.3	820.9	764.6	708.4	641.1	615.5	630.9	668.6	*681.1*	759.7
30°	966.6	972.2	932.5	872.0	800.9	712.2	661.1	662.6	694.8	*706.1*	792.3
32.5°	1109.4	1119.0	1071.2	994.5	897.4	789.6	718.6	706.9	732.9	*742.3*	833.5
35°	1250.8	1261.7	1222.1	1137.3	1025.4	880.8	778.7	757.8	783.6	*793.8*	888.0
37.5°	1373.1	1387.6	1367.2	1293.4	1162.4	990.7	857.1	817.7	846.0	*858.8*	961.3
40°	1469.6	1491.8	1490.3	1444.3	1323.9	1124.1	956.6	891.6	923.6	*937.4*	1050.1
42.5°	1548.0	1567.2	1583.8	1581.5	1492.4	1275.6	1073.6	987.7	1012.0	*1028.0*	1150.1
45°	1602.2	1622.6	1658.4	1697.0	1654.6	1437.7	1207.6	1101.7	1123.9	*1147.9*	1269.2
47.5°	1650.5	1673.7	1720.2	1781.3	1792.2	1600.5	1354.4	1234.4	1254.7	*1279.6*	1388.7
50°	1654.8	1674.8	1746.8	1833.5	1890.0	1756.8	1512.0	1383.4	1402.3	*1429.0*	1516.7
52.5°	1551.9	1583.4	1709.1	1832.0	1935.0	1887.7	1668.6	1538.2	1559.6	*1591.5*	1649.2
55°	1204.6	1250.8	1598.5	1774.9	1919.0	1972.2	1817.6	1702.9	1730.2	*1763.7*	1782.6
57.5°	1037.6	1057.8	1268.9	1671.0	1846.1	1994.2	1943.3	1869.3	1913.2	*1949.9*	1923.7
60°	932.5	949.4	1074.2	1509.3	1750.2	1959.5	2040.4	2024.4	2100.3	*2144.0*	2067.9
62.5°	820.0	836.0	949.6	1260.2	1627.5	1901.7	2101.8	2167.6	2292.0	*2339.8*	2203.8
65°	708.4	722.0	830.9	1058.9	1471.6	1844.0	2133.5	2291.4	2469.5	*2518.9*	2316.7
67.5°	584.0	595.3	698.2	893.3	1281.9	1764.9	2149.3	2388.8	2624.0	*2666.4*	2372.6
70°	*421.4*	*430.2*	*536.5*	*706.5*	*1044.0*	*1629.0*	*2142.9*	*2457.8*	*2704.1*	*2738.0*	*2330.4*
72.5°	199.2	207.1	331.9	458.7	737.4	1364.4	2013.6	2403.0	2622.7	*2605.9*	2072.2
75°	106.3	113.1	190.7	251.6	389.5	935.3	1647.8	2070.0	2202.3	*2120.5*	1531.4
77.5°	72.0	77.3	118.0	151.1	177.9	444.0	1059.1	1433.2	1378.9	*1243.8*	767.0
80°	57.1	62.6	96.7	102.3	86.1	160.4	437.6	663.4	476.6	*381.2*	218.2
82.5°	43.9	50.1	81.4	74.1	46.9	65.8	127.4	209.9	122.1	*92.9*	52.8
85°	26.8	33.4	63.9	47.3	26.4	30.0	43.2	58.4	37.3	*31.1*	19.0
87.5°	13.6	19.2	32.4	17.3	11.9	7.0	11.5	11.5	9.8	*8.5*	4.9
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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Scaled Data Report

REPORT NUMBER: P1197496
CATALOG NUMBER: GPC-SB1A-830-U-T3R

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	580.4	580.4	580.4	580.4	580.4	580.4	580.4	580.4	580.4	580.4	580.4
2.5°	582.5	586.7	594.0	600.8	606.1	611.3	616.4	619.1	620.0	623.4	625.3
5°	589.3	597.2	611.3	624.5	632.8	637.9	641.5	643.6	644.1	645.1	646.8
7.5°	601.9	614.4	634.0	647.3	653.4	653.0	651.5	646.2	644.1	642.1	642.6
10°	619.6	636.2	660.3	669.4	665.6	655.4	642.1	626.6	619.3	612.3	610.2
12.5°	641.5	662.6	686.2	685.8	666.9	640.7	610.0	586.1	571.0	560.1	557.6
15°	668.1	692.4	710.5	696.0	654.5	607.4	562.5	531.4	517.7	505.8	504.5
17.5°	695.6	721.6	729.9	692.9	623.4	558.2	507.3	482.8	469.4	463.0	464.9
20°	722.5	748.2	741.4	674.5	576.1	502.4	457.0	443.6	440.8	442.3	441.7
22.5°	750.8	773.8	743.8	639.2	515.8	445.3	420.4	420.8	427.0	431.4	432.5
25°	779.8	795.3	737.6	588.0	451.0	403.3	397.1	403.9	416.1	424.8	427.2
27.5°	807.7	814.5	724.2	524.8	395.4	373.3	374.3	388.4	406.7	418.9	421.8
30°	839.2	831.5	698.4	453.6	356.9	347.5	356.4	372.8	391.2	402.0	404.6
32.5°	874.8	846.2	657.5	387.8	329.6	326.8	341.5	352.2	360.3	363.5	365.2
35°	919.1	866.9	605.1	341.5	305.1	311.7	325.8	320.4	317.2	315.5	317.2
37.5°	976.6	894.8	543.7	311.5	285.3	300.8	306.6	290.0	277.4	271.2	272.7
40°	1045.9	935.7	484.7	288.3	272.7	291.5	281.4	261.4	245.4	236.7	237.3
42.5°	1122.8	978.6	435.1	270.8	265.7	283.8	262.9	239.0	213.3	210.5	213.3
45°	1203.5	1022.7	401.2	257.4	262.3	277.2	252.3	213.7	195.4	206.7	212.6
47.5°	1284.3	1063.1	380.7	247.4	260.6	269.7	242.9	199.6	186.6	203.0	210.7
50°	1374.2	1099.4	371.6	240.1	258.6	266.7	228.8	196.0	177.5	188.3	196.4
52.5°	1463.5	1127.5	364.7	232.9	255.9	264.4	222.0	191.7	166.4	167.0	171.5
55°	1552.5	1145.8	357.3	223.3	249.7	259.3	221.4	187.1	158.1	155.1	157.2
57.5°	1647.5	1156.2	348.1	212.6	239.0	246.3	220.7	183.4	155.5	150.6	151.3
60°	1744.3	1171.6	336.2	199.6	224.8	230.7	219.2	182.2	154.0	145.7	146.4
62.5°	1831.0	1176.9	321.9	187.3	206.4	215.4	216.0	181.1	150.0	135.7	135.7
65°	1887.9	1153.9	297.0	173.2	186.6	199.6	209.9	177.5	142.7	128.5	128.5
67.5°	1885.5	1088.3	258.0	155.1	167.5	182.2	200.9	171.3	134.0	119.5	120.2
70°	*1797.7*	*958.7*	*208.6*	*134.0*	*146.4*	*163.4*	*189.4*	*162.1*	*123.6*	*109.7*	*111.0*
72.5°	1541.9	750.4	151.5	109.3	121.9	144.0	174.5	151.1	112.9	101.0	100.3
75°	1101.5	474.9	102.7	83.9	94.8	122.1	156.0	138.1	103.1	101.4	95.7
77.5°	562.7	226.9	68.0	61.4	66.0	96.3	131.0	123.4	104.6	83.7	74.6
80°	183.0	83.7	42.8	41.8	43.9	64.1	101.4	101.2	79.3	56.9	50.3
82.5°	58.4	36.0	27.9	26.8	25.8	40.3	70.7	80.1	53.5	36.0	35.8
85°	23.2	21.5	16.4	15.1	10.9	19.0	37.1	53.3	39.8	26.0	26.6
87.5°	8.5	8.5	4.5	3.2	2.3	6.4	10.0	16.0	22.8	13.4	13.2
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0


HS
SS

0

Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

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

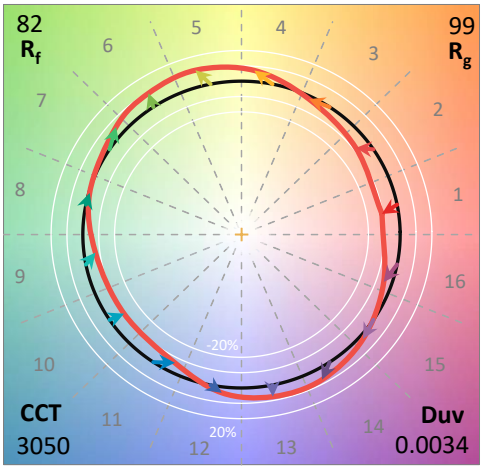
Test Information

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

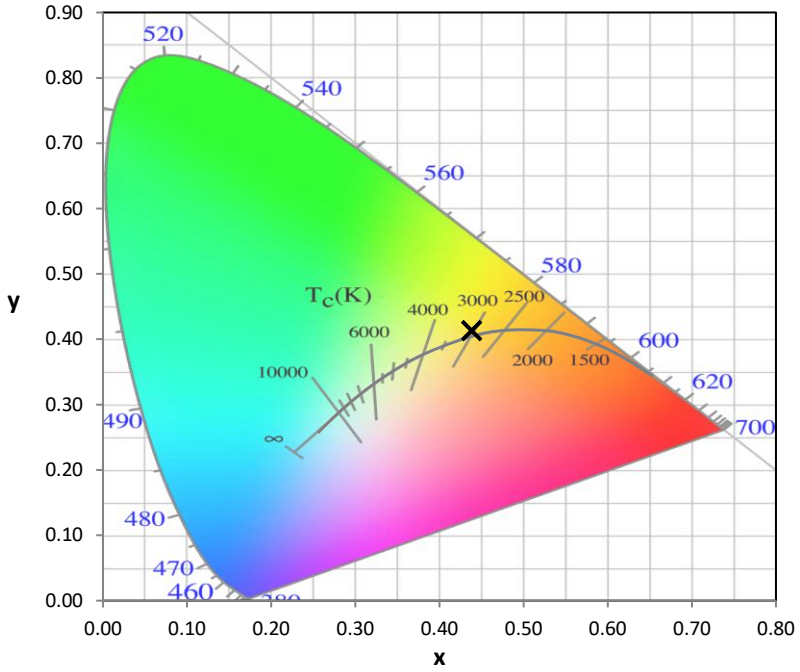
Stabilization Time:	20M
Operation Time:	1H 20M
Sphere Temperature (°C):	24.2

REPORT NUMBER: SP1-2408-195-9

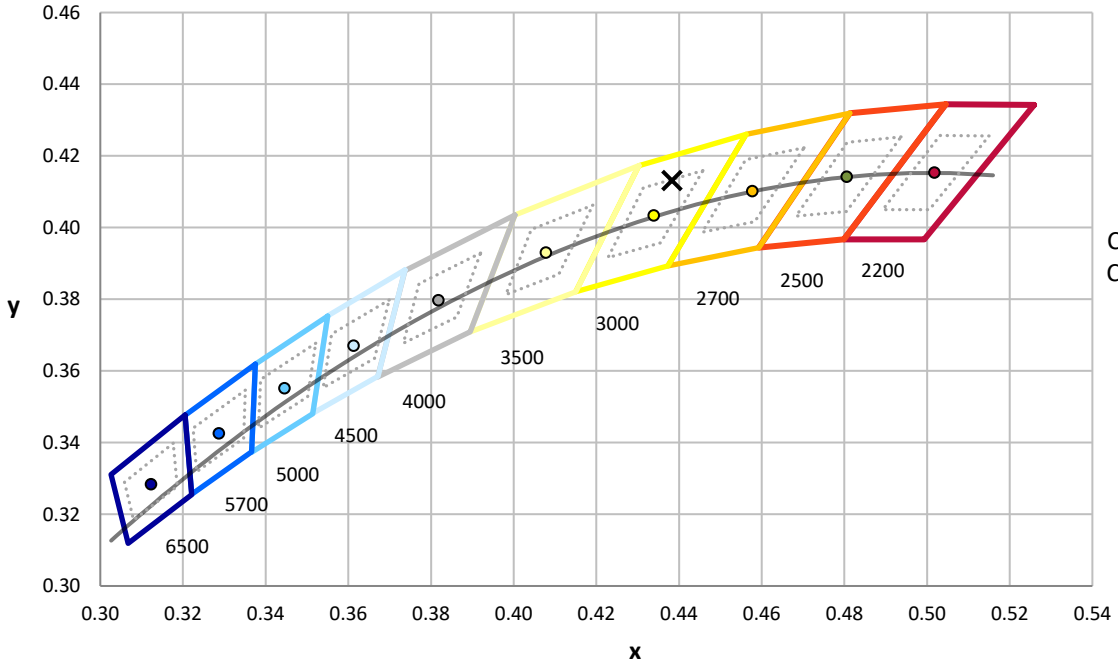
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

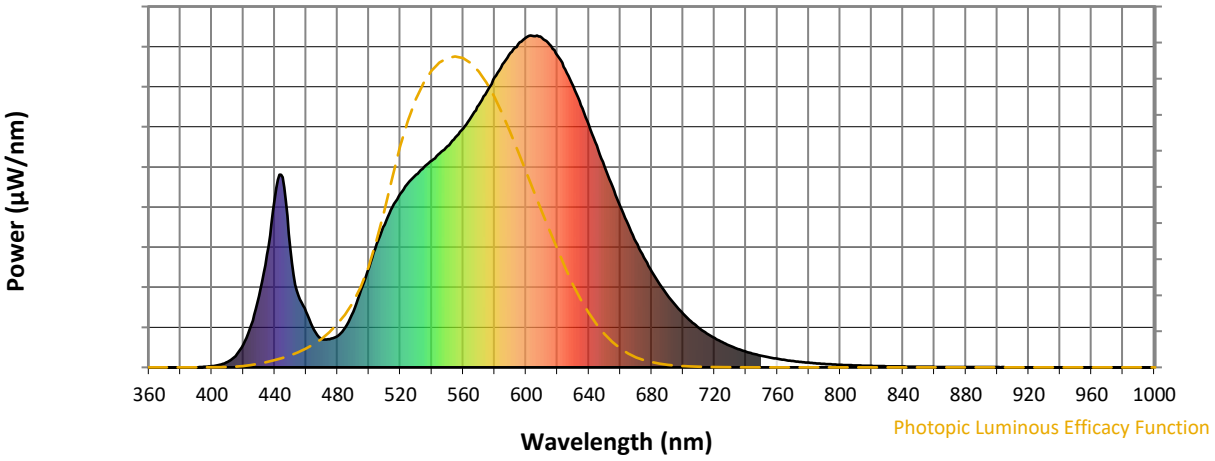


CCT = 3050K
CIE x = 0.4383
CIE y = 0.4131
Duv = 0.0034

Point lies inside the ANSI 3000K 4-step quadrangle

REPORT NUMBER: SP1-2408-195-9

Photopic Flux vs. Wavelength

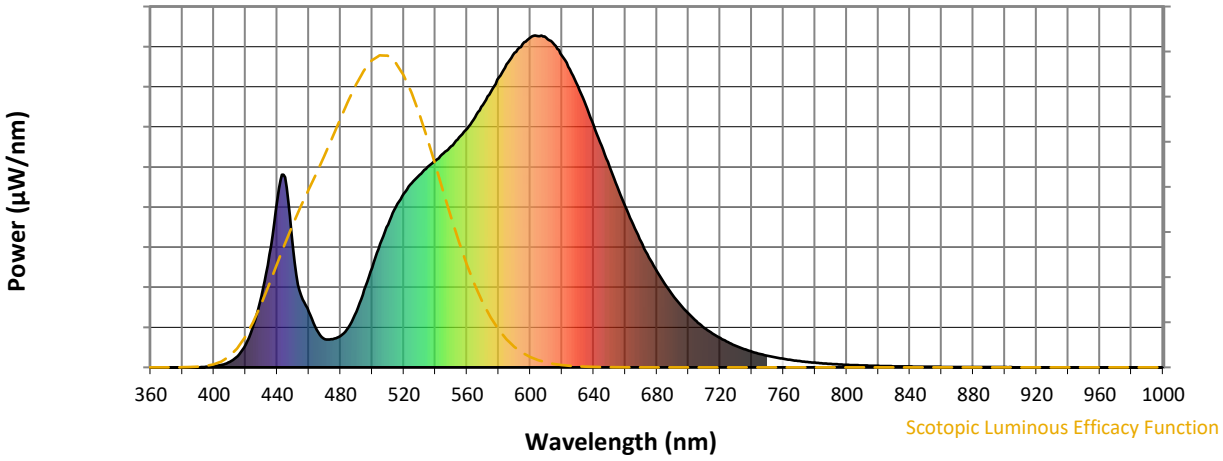


Photopic Lumens: NR

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

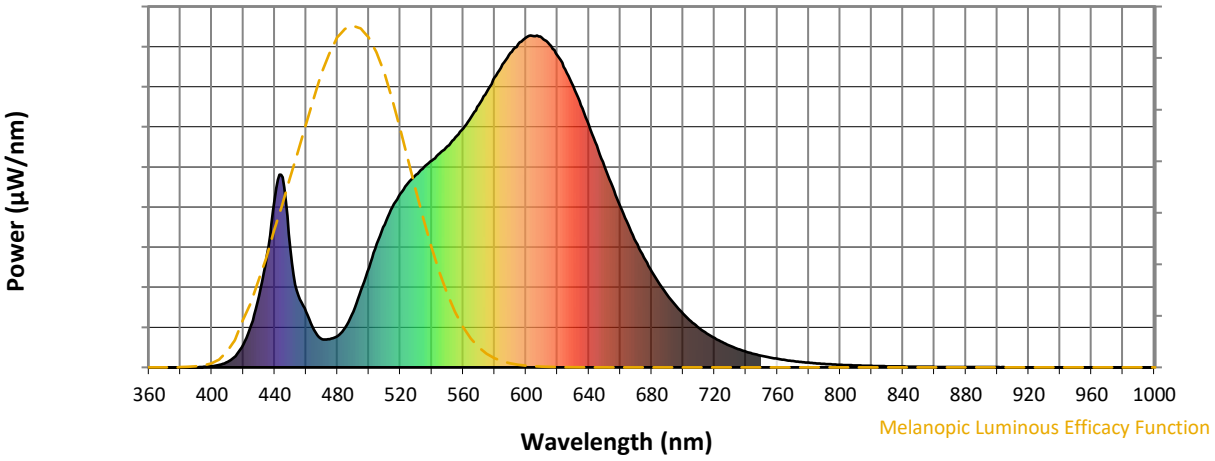


Scotopic Lumens: NR **S/P: 1.27**

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			

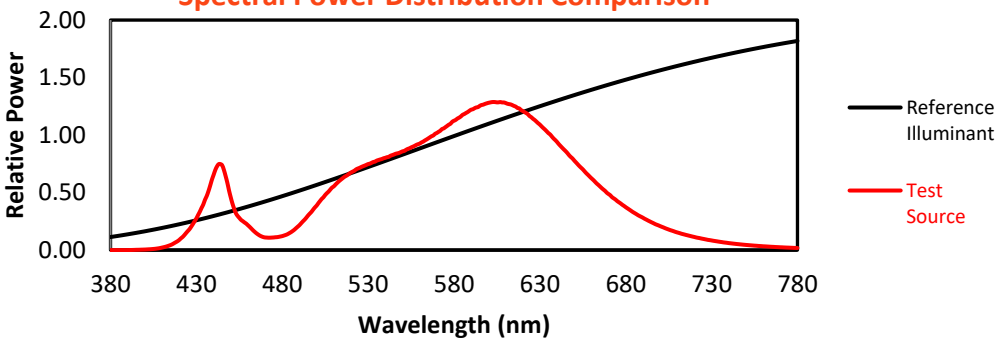
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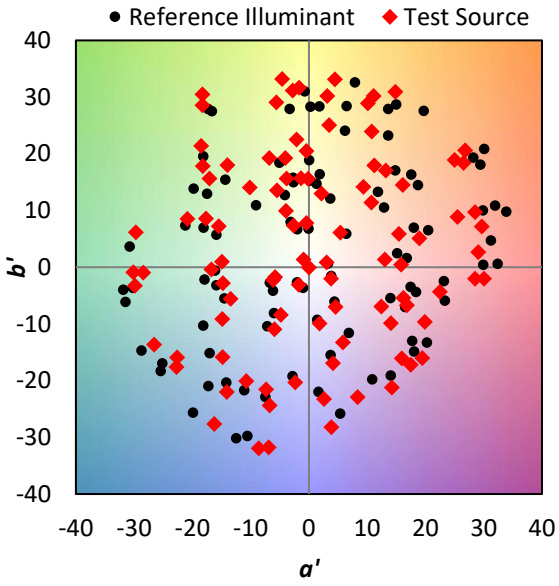
Summary

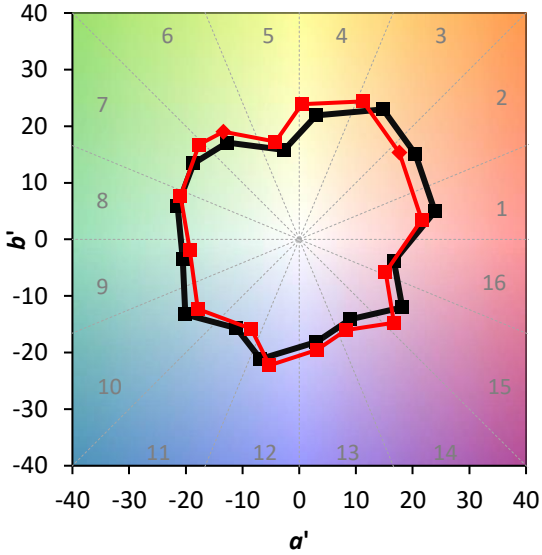
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R_g = 99.2
CIE R_a = 81.0
R_9 = 7.1

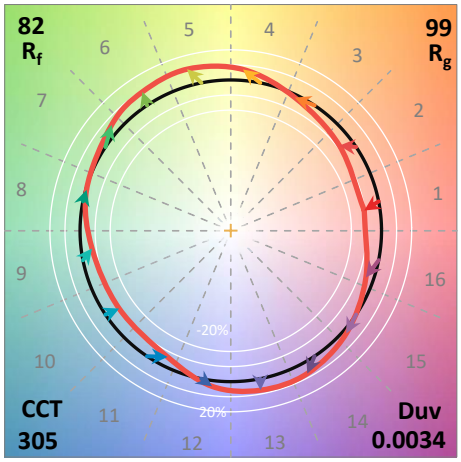
Spectral Power Distribution Comparison

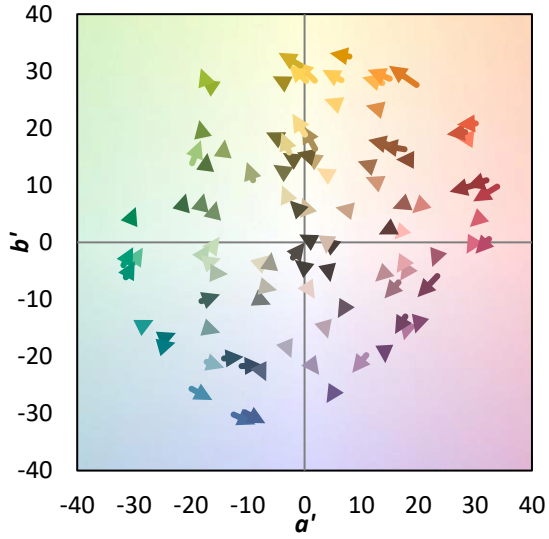


Color Vector Graphics







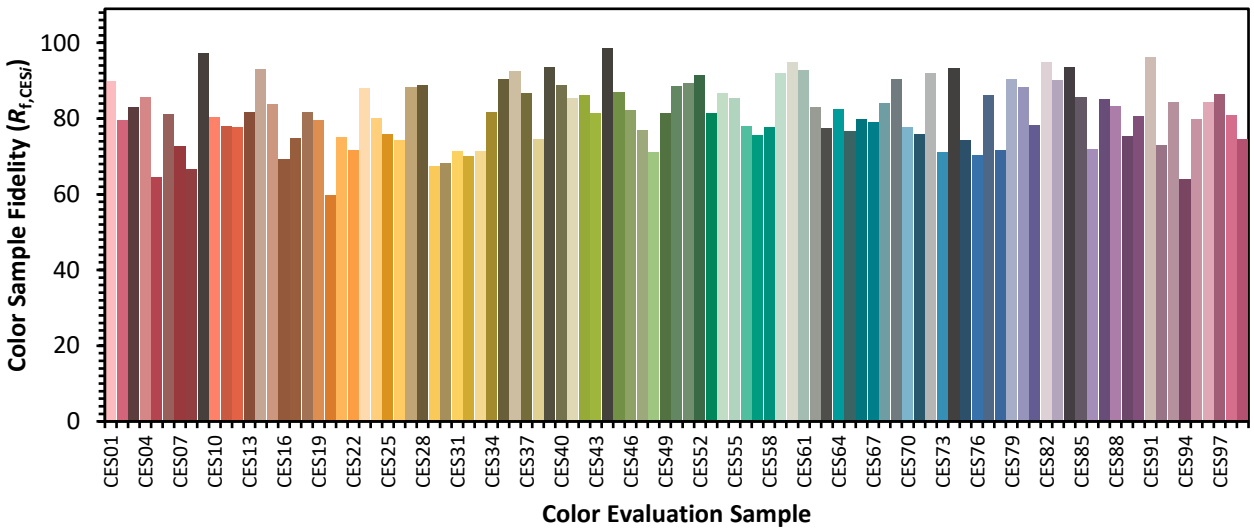


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Individual Sample Fidelity Index ($R_{f,i}$)

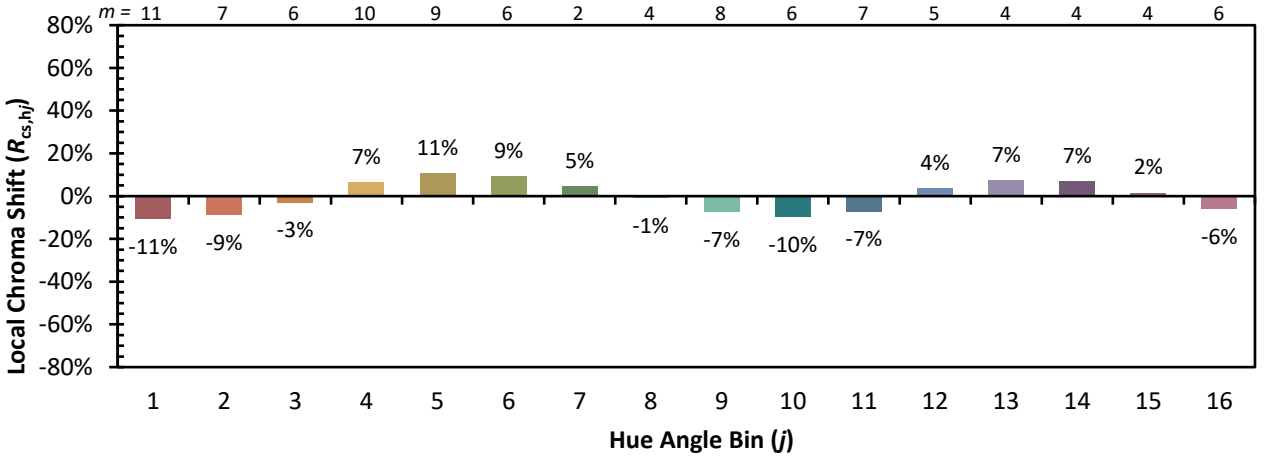
CES01 = 86	CES26 = 74	CES51 = 89	CES76 = 70
CES02 = 63	CES27 = 88	CES52 = 92	CES77 = 86
CES03 = 31	CES28 = 89	CES53 = 81	CES78 = 72
CES04 = 70	CES29 = 67	CES54 = 87	CES79 = 90
CES05 = 50	CES30 = 68	CES55 = 85	CES80 = 88
CES06 = 51	CES31 = 71	CES56 = 78	CES81 = 78
CES07 = 42	CES32 = 70	CES57 = 76	CES82 = 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	

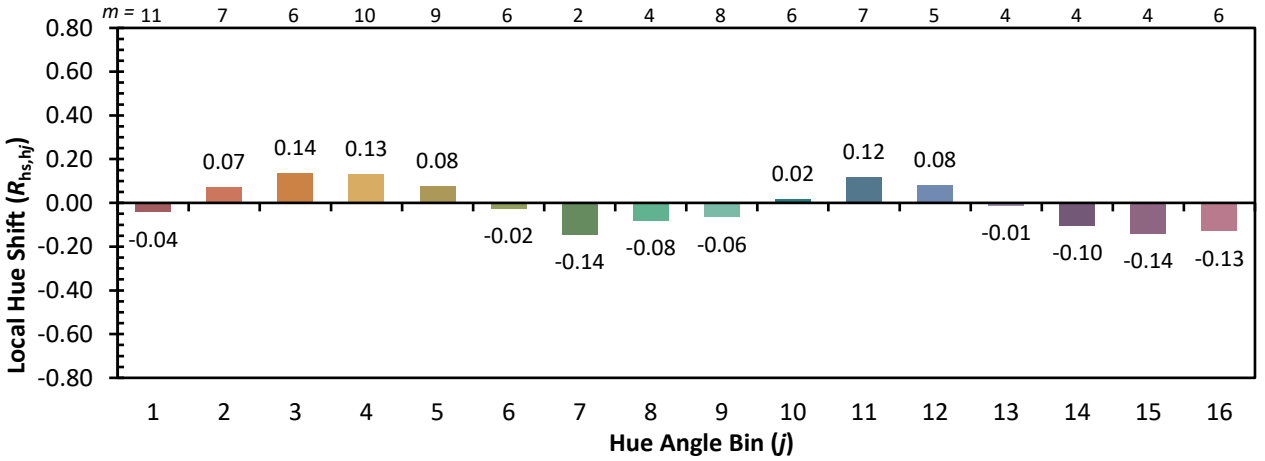


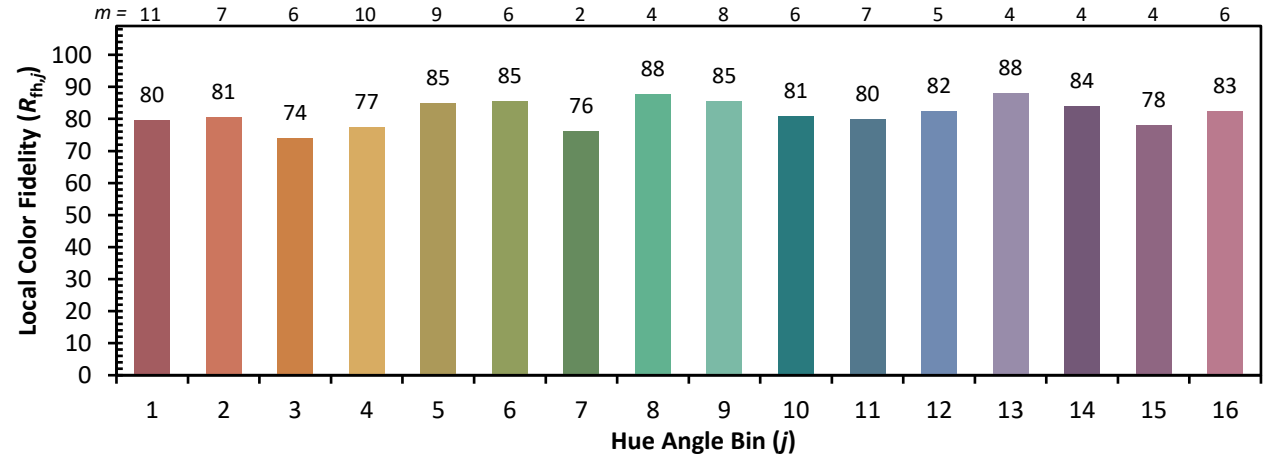
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Color Rendition by Hue-Angle Bin



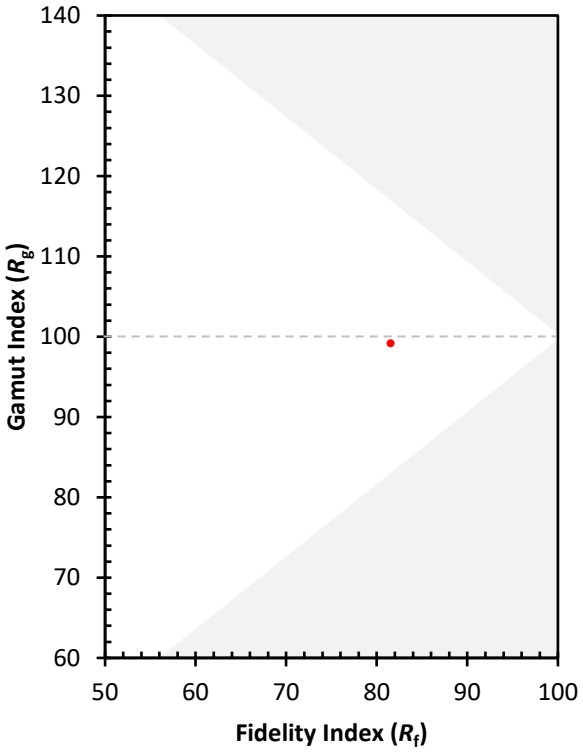


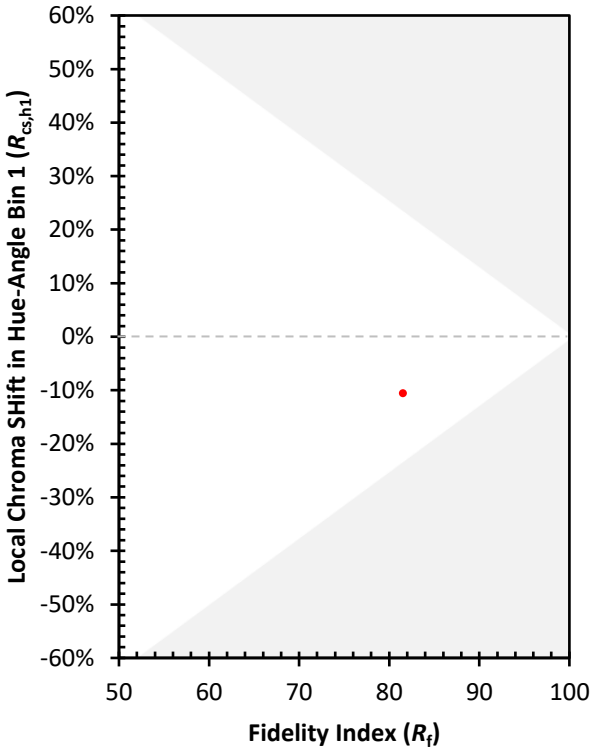


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Measure Comparisons





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