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

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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: P1198922

Luminaire Tested: GPC-SB1D-830-U-T3-HSS

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:	P1198922
	TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-6)
Test Lab:	INNOVATION CENTER
Issue Date:	3/15/2026
Manufacturer:	COOPER LIGHTING SOLUTIONS
Product Line:	McGRAW-EDISON
Catalog Number:	GPC-SB1D-830-U-T3-HSS
Description:	GALLEON PEDESTRIAN LUMINAIRE
	(1) 80 CRI, 3000K, 900mA LIGHTSQUARE WITH 26 LEDS AND TYPE III OPTICS WITH HOUSE SIDE SHIELD
Light Source:	-
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	7210 lumens
Efficiency:	N/A
Efficacy:	90.6 lumens/watt
Luminous Opening:	Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification:	Type III - Short
BUG Rating:	B1 - U0 - G2

Input Watts (W):	79.6
Input Voltage (V):	120.0
Input Current (Ain):	0.638
Voltage Rise (V):	NR
Power Factor:	0.997
Total Harmonic Distortion (THDi):	6.673
Frequency (hertz):	60
Stabilization Time:	NR
Operation Time:	NR
Ambient Temperature (°C):	NR
Test Distance:	28.75 FT

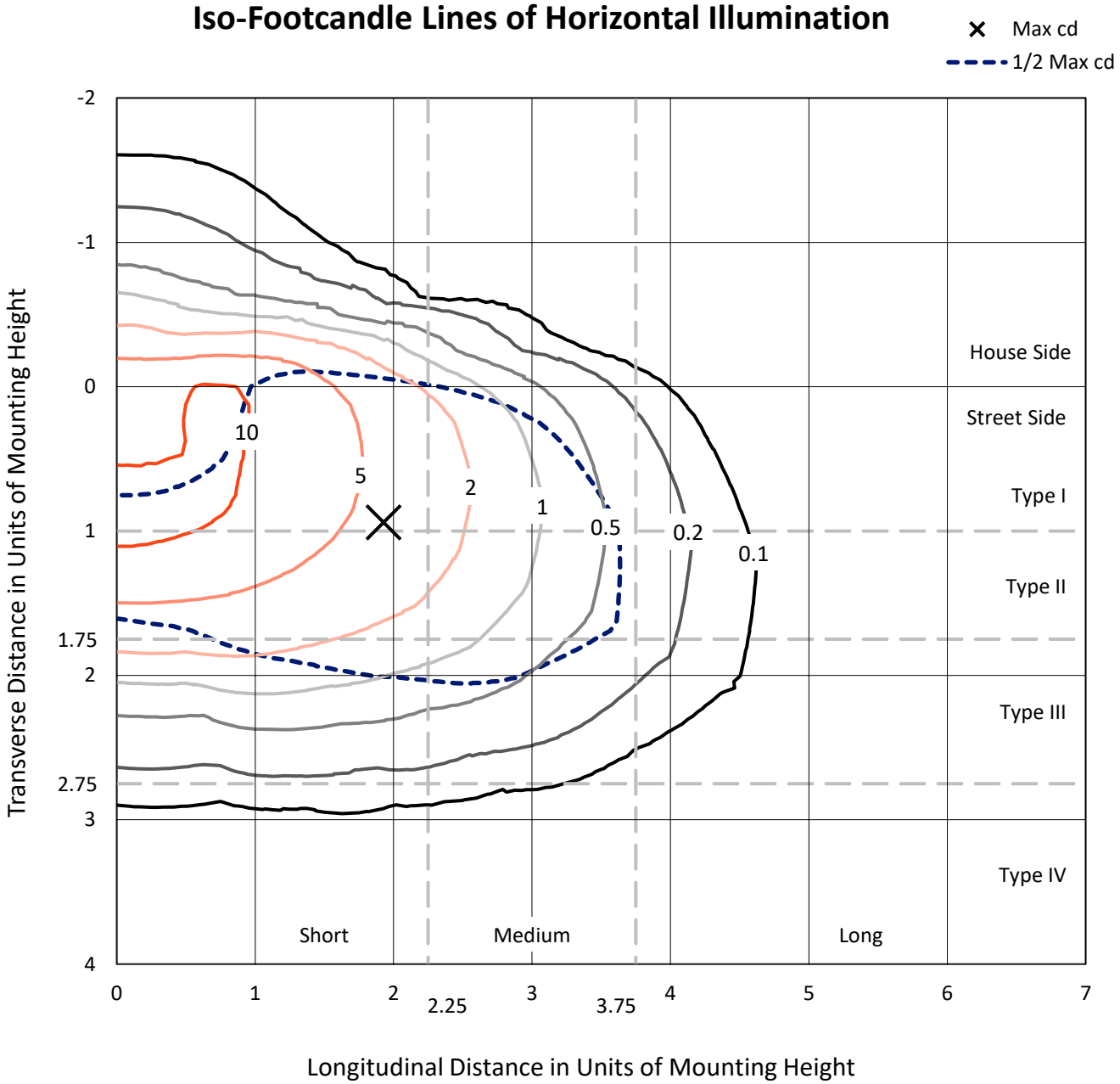


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REPORT NUMBER: P1198922
CATALOG NUMBER: GPC-SB1D-830-U-T3-HSS

Iso-Footcandle Lines of Horizontal Illumination



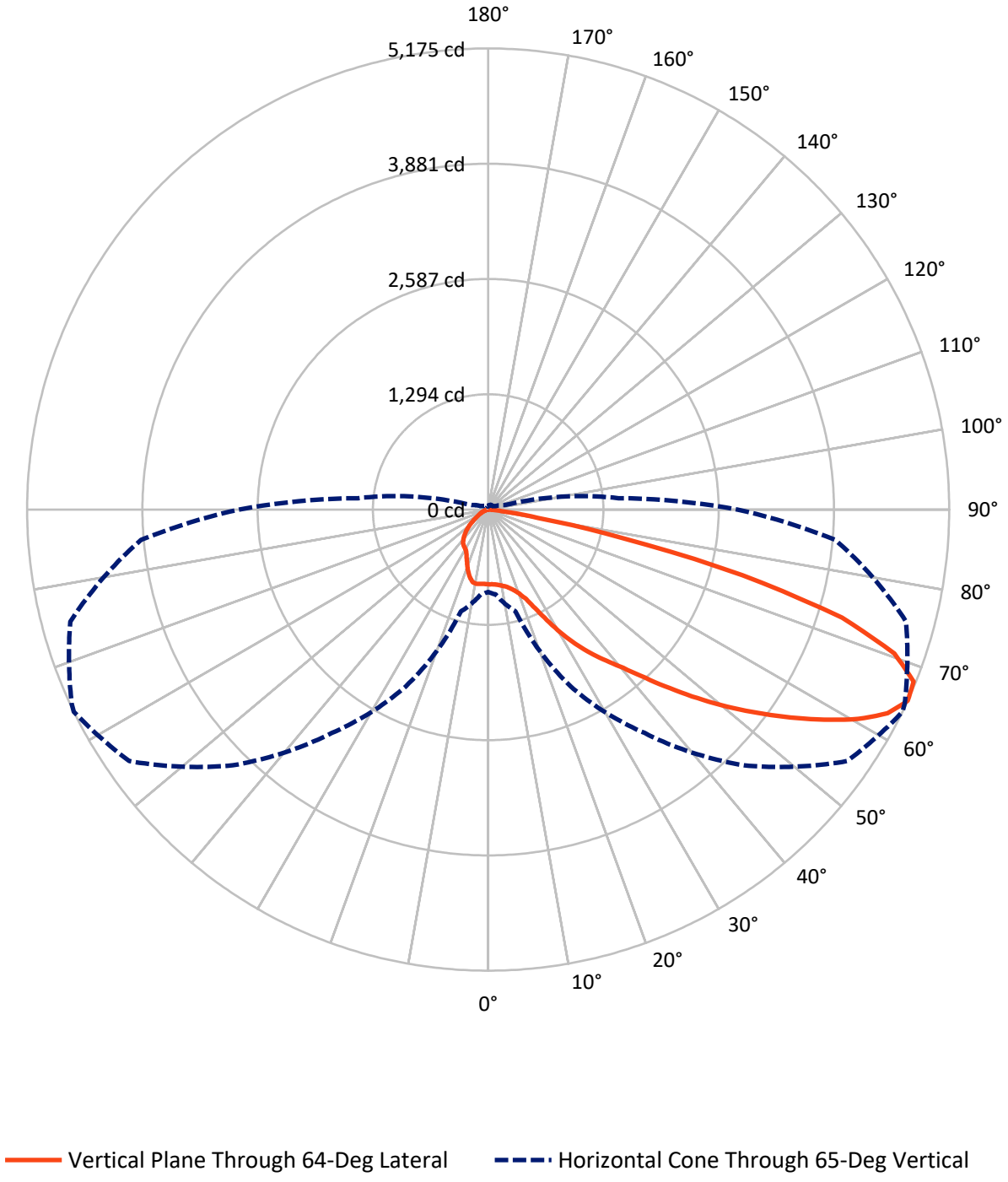
Based on 10 foot mounting height. Maximum calculated value = 13.2 fc
Type III - Short - N/A

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REPORT NUMBER: P1198922
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Luminous Intensity Polar Plot



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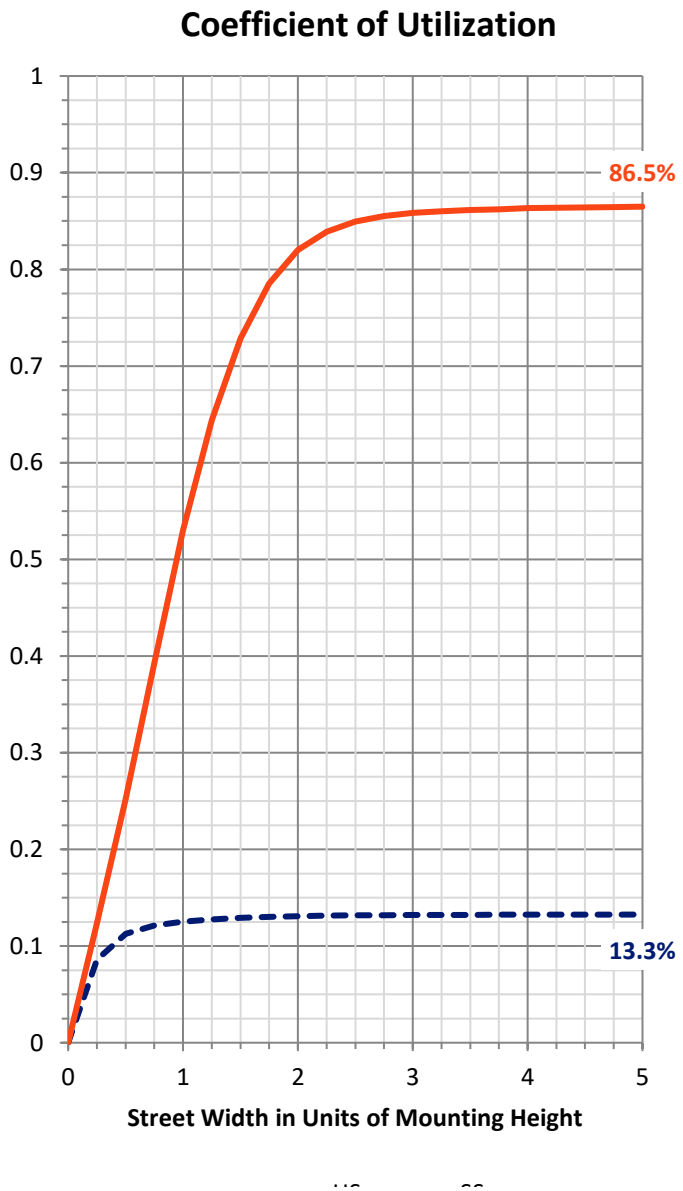
REPORT NUMBER: P1198922
CATALOG NUMBER: GPC-SB1D-830-U-T3-HSS

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	964.2	0.0	964.2
	% Fixture	13.4	0.0	13.4
Street Side	Lumens	6245.8	0.0	6245.8
	% Fixture	86.6	0.0	86.6
Total	Lumens	7210.0	0.0	7210.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	77.4	1.1
10°-20°	209.8	2.9
20°-30°	397.6	5.5
30°-40°	804.6	11.2
40°-50°	1370.7	19.0
50°-60°	1864.1	25.9
60°-70°	1750.4	24.3
70°-80°	701.3	9.7
80°-90°	34.0	0.5
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°	7210.0	100.0
0°-180°	7210.0	100.0



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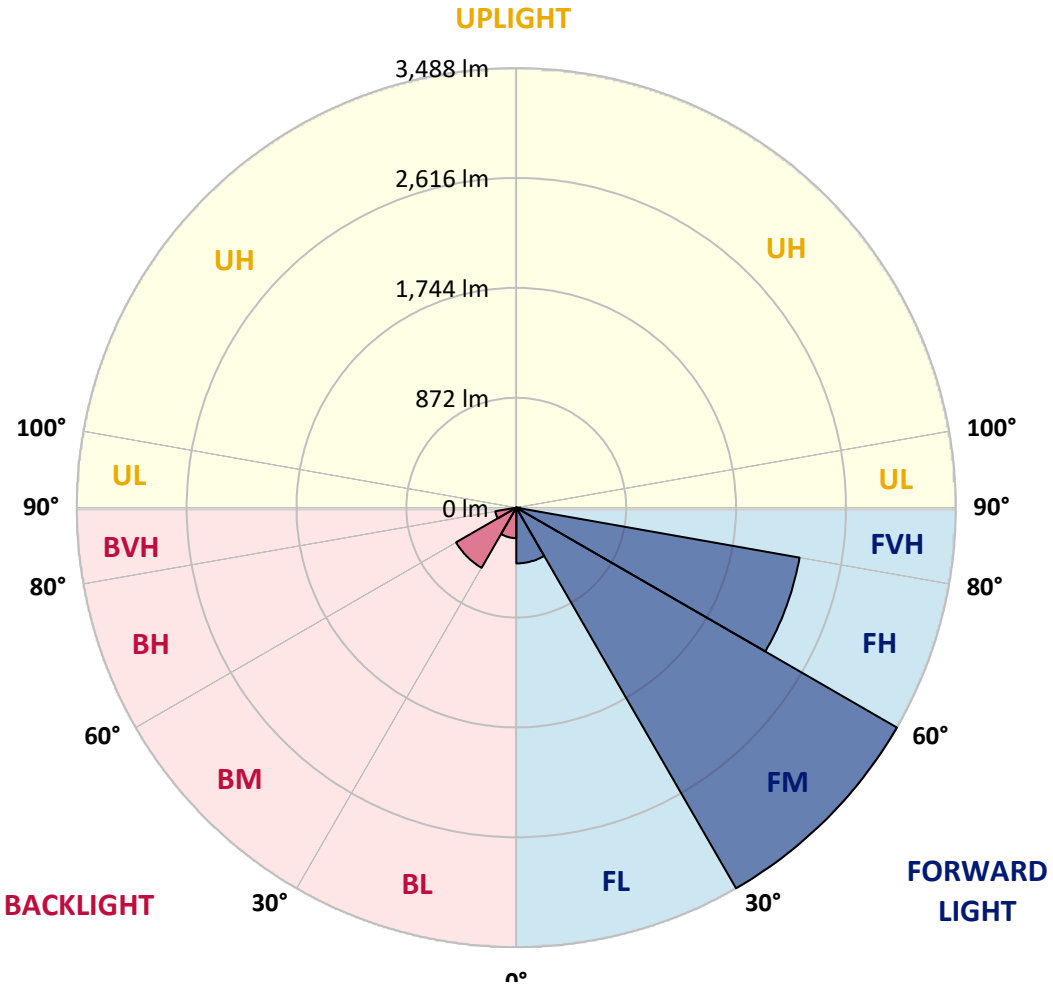
Scaled Data Report

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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°)	442.8	6.1			
FM	(30°-60°)	3488.2	48.4			
FH	(60°-80°)	2282.5	31.7			G2/5000
FVH	(80°-90°)	32.3	0.4			G1/100
BL	(0°-30°)	242.1	3.4	B1/500		
BM	(30°-60°)	551.2	7.6	B1/1000		
BH	(60°-80°)	169.2	2.3	B1/500		G1/500
BVH	(80°-90°)	1.7	0.0			G0/10
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G2
Type III Short



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REPORT NUMBER: P1198922
CATALOG NUMBER: GPC-SB1D-830-U-T3-HSS

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	64°	65°	75°	85°
0°	838.6	838.6	838.6	838.6	838.6	838.6	838.6	*838.6*	838.6	838.6	838.6
2.5°	835.7	841.5	840.0	838.6	838.1	839.1	839.6	*839.1*	839.1	839.1	839.6
5°	819.7	824.6	824.6	828.0	832.8	838.6	842.9	*843.9*	844.9	846.3	845.8
7.5°	789.3	793.2	796.1	807.2	819.3	834.7	847.8	*854.5*	855.5	860.8	862.8
10°	768.5	773.3	778.2	789.8	807.2	830.4	852.6	*869.0*	871.5	884.0	889.8
12.5°	767.5	772.4	778.7	791.2	811.5	836.2	863.2	*886.9*	891.3	909.6	921.7
15°	777.7	783.5	789.3	804.8	826.5	856.5	885.5	*915.0*	919.3	945.4	958.5
17.5°	798.5	806.2	810.6	826.0	849.2	882.6	920.8	*954.6*	958.5	988.9	1005.4
20°	839.6	848.7	850.2	862.8	885.5	921.2	966.7	*1008.7*	1013.6	1048.4	1066.7
22.5°	924.6	937.7	926.1	932.4	952.7	988.4	1037.7	*1090.9*	1097.7	1137.3	1153.7
25°	1074.5	1092.8	1062.9	1052.2	1060.9	1098.2	1160.0	*1227.2*	1234.9	1266.8	1275.1
27.5°	1368.8	1345.1	1299.7	1255.2	1229.1	1250.4	1320.0	*1403.1*	1412.8	1443.7	1434.1
30°	1692.2	1671.4	1610.0	1511.4	1449.5	1446.2	1510.4	*1603.2*	1614.4	1643.8	1614.4
32.5°	2016.0	1996.2	1929.5	1808.2	1700.9	1647.7	1692.2	*1795.1*	1800.9	1819.8	1776.3
35°	2334.5	2314.2	2247.5	2123.3	1991.4	1870.5	1861.8	*1977.8*	1979.8	1999.6	1934.8
37.5°	2655.0	2638.1	2567.0	2445.2	2315.2	2148.5	2067.7	*2150.9*	2153.3	2172.6	2105.4
40°	2883.6	2890.9	2842.0	2747.8	2636.1	2453.9	2298.8	*2335.0*	2320.5	2352.9	2312.8
42.5°	3079.9	3094.4	3051.8	3004.5	2939.7	2779.2	2584.9	*2578.6*	2555.4	2572.8	2531.3
45°	3249.5	3261.6	3223.4	3212.3	3210.8	3098.2	2897.6	*2859.9*	2827.5	2824.2	2774.4
47.5°	3311.9	3335.1	3351.5	3388.7	3461.2	3413.8	3221.0	*3162.5*	3126.3	3099.7	3020.9
50°	3335.5	3360.2	3416.3	3524.5	3696.1	3716.4	3542.9	*3477.2*	3432.7	3384.4	3268.4
52.5°	3303.6	3347.6	3423.0	3605.2	3854.2	3959.1	3851.8	*3794.2*	3743.5	3664.7	3492.6
55°	3115.6	3159.6	3313.8	3604.3	3933.0	4129.2	4143.7	*4118.1*	4061.0	3936.8	3673.9
57.5°	2719.3	2784.5	3028.6	3481.5	3931.5	4275.6	4429.8	*4448.2*	4384.4	4206.5	3816.5
60°	2170.2	2258.7	2556.4	3209.4	3810.2	4354.9	4680.7	*4772.5*	4704.8	4472.4	3932.0
62.5°	1514.3	1616.8	1898.6	2783.1	3532.7	4297.9	4863.9	*5033.5*	4982.3	4710.2	3976.5
65°	*923.7*	*956.5*	*1183.7*	*2190.0*	*3061.0*	*4059.1*	*4920.4*	*5174.7*	*5157.7*	*4855.7*	*3910.7*
67.5°	615.3	642.8	708.1	1501.7	2376.1	3582.0	4785.1	*5150.0*	5154.8	4832.0	3670.0
70°	370.7	394.4	436.9	873.4	1539.9	2835.3	4366.0	*4835.8*	4863.9	4515.4	3213.7
72.5°	152.7	168.7	207.4	395.9	797.5	1799.5	3476.7	*4151.9*	4217.2	3796.6	2466.5
75°	86.5	94.7	121.8	198.7	346.1	838.6	2105.9	*2947.4*	3043.6	2616.8	1483.9
77.5°	57.5	61.4	78.8	128.6	194.8	286.1	900.0	*1535.6*	1719.2	1429.2	642.4
80°	38.7	42.1	54.1	86.0	126.6	122.8	286.6	*568.9*	699.9	491.1	156.6
82.5°	26.1	26.6	38.7	56.6	80.2	59.5	84.6	*176.9*	222.3	142.1	59.5
85°	15.0	14.5	28.5	32.9	35.8	24.7	25.6	*53.2*	69.6	59.9	33.8
87.5°	1.9	2.9	11.1	8.7	4.8	5.3	5.3	*9.2*	13.5	14.5	7.3
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: P1198922
CATALOG NUMBER: GPC-SB1D-830-U-T3-HSS

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	838.6	838.6	838.6	838.6	838.6	838.6	838.6	838.6	838.6	838.6	838.6
2.5°	839.6	839.1	837.6	836.2	832.8	830.9	831.8	830.9	830.4	830.9	832.8
5°	845.8	844.4	840.5	835.7	828.9	820.7	815.4	807.7	800.4	796.1	797.0
7.5°	862.8	861.3	856.0	842.5	820.7	786.4	755.0	727.4	706.6	694.6	695.0
10°	889.8	887.4	879.2	849.2	792.2	717.3	654.9	603.2	569.4	553.4	552.0
12.5°	921.7	918.8	904.3	842.9	738.1	621.1	535.1	477.5	446.1	432.1	430.7
15°	959.4	955.6	927.0	813.0	659.3	514.8	436.0	393.0	372.7	360.1	360.6
17.5°	1006.3	999.6	944.0	768.0	573.7	433.6	375.1	342.7	324.8	312.7	311.8
20°	1067.2	1056.1	957.5	714.4	494.9	382.3	334.0	306.9	293.4	282.8	280.8
22.5°	1152.3	1136.3	973.9	656.4	439.4	347.0	303.5	283.7	272.6	260.5	258.6
25°	1257.7	1238.8	994.2	602.7	401.2	316.6	281.3	264.9	251.8	237.8	236.4
27.5°	1405.1	1371.2	1018.4	558.7	368.3	290.5	261.0	242.6	227.7	216.1	213.6
30°	1569.4	1513.8	1039.7	532.2	338.3	266.3	234.4	216.1	202.0	193.8	192.4
32.5°	1725.0	1649.6	1053.7	520.6	311.3	238.8	205.4	185.6	175.0	172.6	174.0
35°	1872.0	1772.4	1052.2	509.4	287.1	211.2	176.9	156.6	148.4	149.8	149.8
37.5°	2041.2	1903.4	1042.1	492.0	267.3	186.1	152.3	134.4	127.1	127.6	129.5
40°	2237.9	2054.7	1035.8	459.2	245.5	162.9	132.0	117.5	112.1	110.2	109.7
42.5°	2447.6	2201.1	1036.8	422.0	218.5	142.1	117.9	105.9	101.0	99.6	99.1
45°	2658.4	2340.8	1038.2	383.3	190.0	126.2	107.8	97.6	94.7	92.8	92.8
47.5°	2856.5	2459.7	1011.2	341.7	161.9	114.1	99.6	92.8	90.4	88.0	88.0
50°	3041.2	2539.0	945.9	293.4	139.7	104.4	93.3	88.5	86.0	83.6	83.6
52.5°	3184.7	2551.6	838.1	243.6	124.2	97.2	89.4	85.1	82.2	79.8	79.3
55°	3248.5	2472.8	684.9	197.2	112.1	90.9	85.6	81.2	77.8	75.4	74.9
57.5°	3232.1	2307.0	534.1	158.5	100.5	84.6	80.7	77.8	74.0	70.1	69.6
60°	3151.4	2085.1	402.6	132.0	89.9	77.8	75.4	73.0	67.7	61.9	60.9
62.5°	3011.7	1806.2	287.1	109.2	78.3	70.1	69.1	67.2	59.5	48.8	47.9
65°	*2798.1*	*1467.4*	*193.3*	*90.9*	*67.2*	*61.4*	*61.9*	*58.5*	*48.3*	*36.3*	*35.3*
67.5°	2485.8	1073.0	123.7	74.4	56.1	51.2	51.7	49.8	41.1	30.9	29.5
70°	2088.0	710.5	80.7	56.6	45.0	39.6	42.5	43.0	34.8	25.1	24.2
72.5°	1530.7	419.5	56.6	42.1	32.9	27.6	34.8	35.8	28.0	18.9	17.9
75°	872.4	199.1	42.5	30.5	20.3	19.3	27.1	27.1	19.3	12.6	11.6
77.5°	366.4	83.1	30.0	19.8	11.6	11.1	18.4	16.9	9.7	5.8	5.8
80°	105.9	37.2	16.0	9.7	4.8	4.4	7.3	5.3	2.4	1.0	1.0
82.5°	41.6	16.4	6.3	3.9	1.9	1.9	1.0	0.0	0.0	0.0	0.0
85°	24.7	6.8	2.9	1.5	0.5	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	6.3	1.5	1.0	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


HS
SS

0

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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

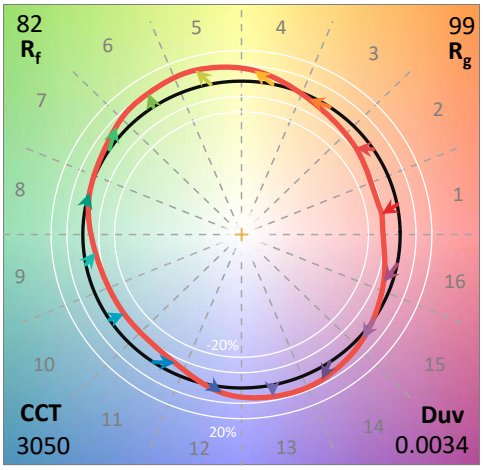
Test Information

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

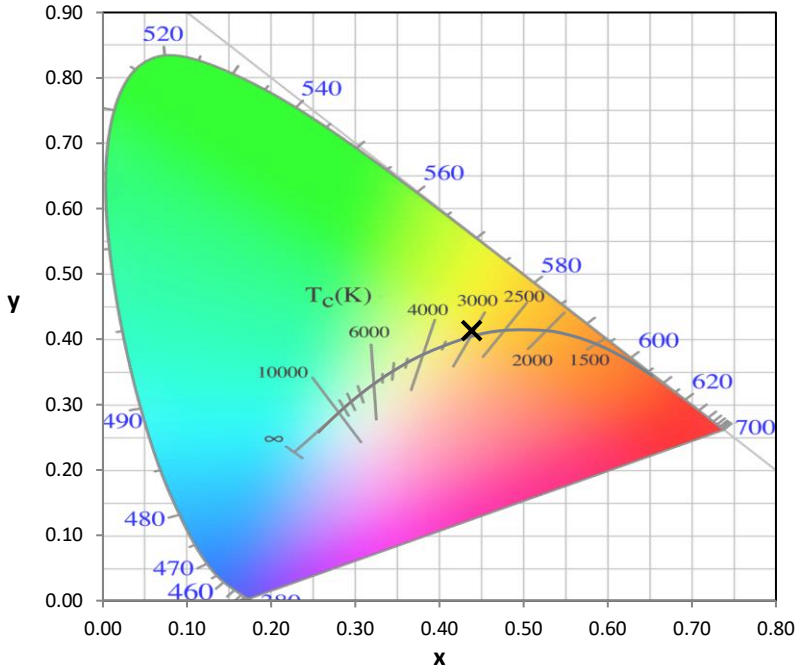
Stabilization Time:	20M
Operation Time:	1H 20M
Sphere Temperature (°C):	24.2

REPORT NUMBER: SP1-2408-195-9

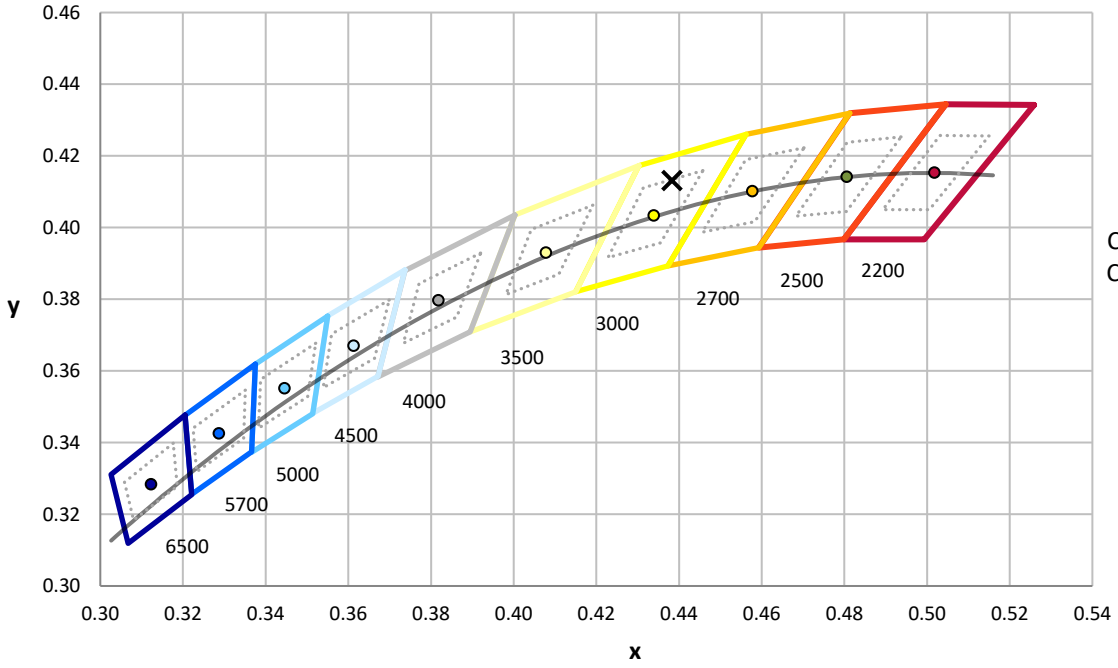
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

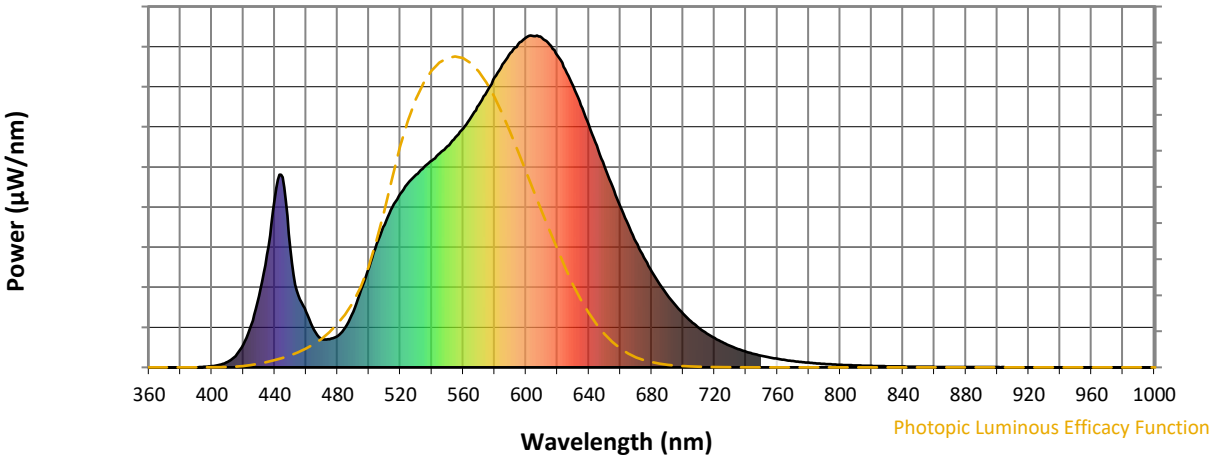


CCT = 3050K
CIE x = 0.4383
CIE y = 0.4131
Duv = 0.0034

Point lies inside the ANSI 3000K 4-step quadrangle

REPORT NUMBER: SP1-2408-195-9

Photopic Flux vs. Wavelength

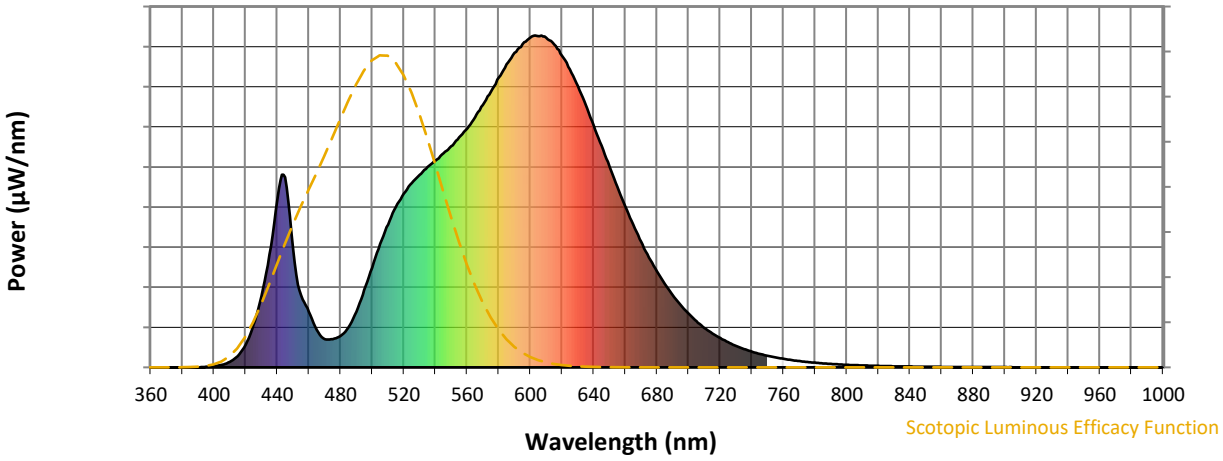


Photopic Lumens: NR

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

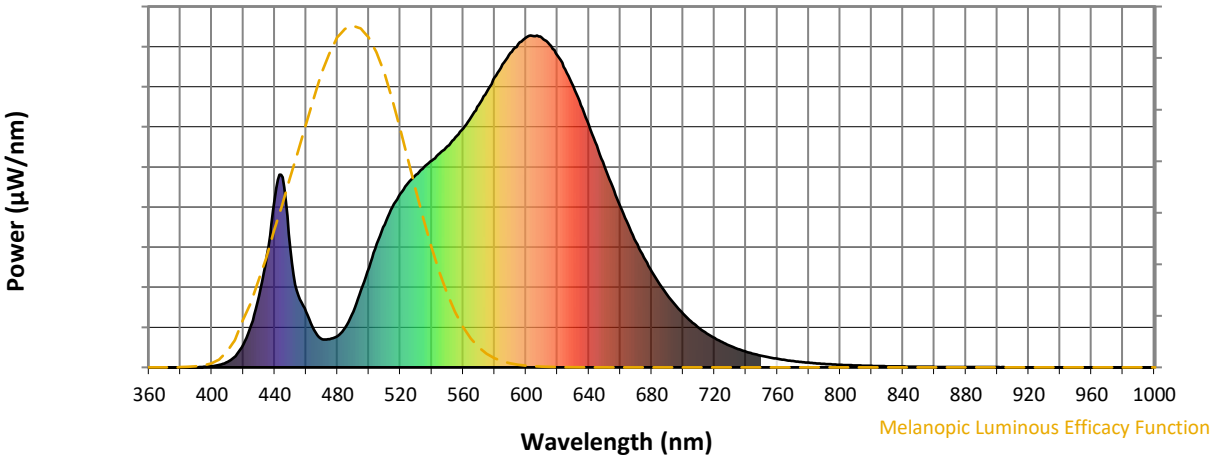


Scotopic Lumens: NR **S/P: 1.27**

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			

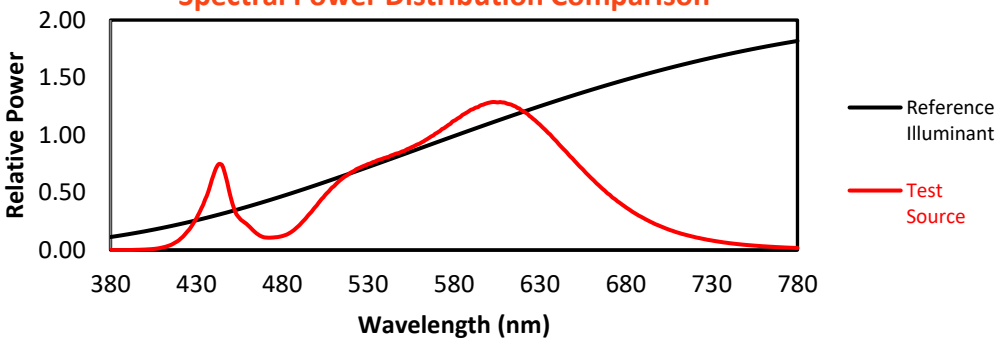
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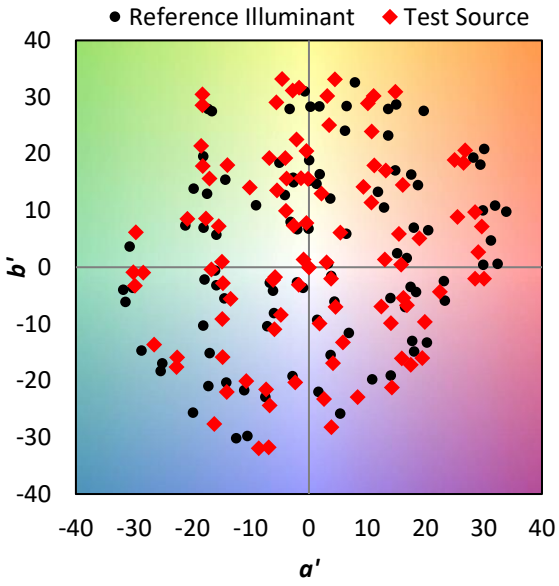
Summary

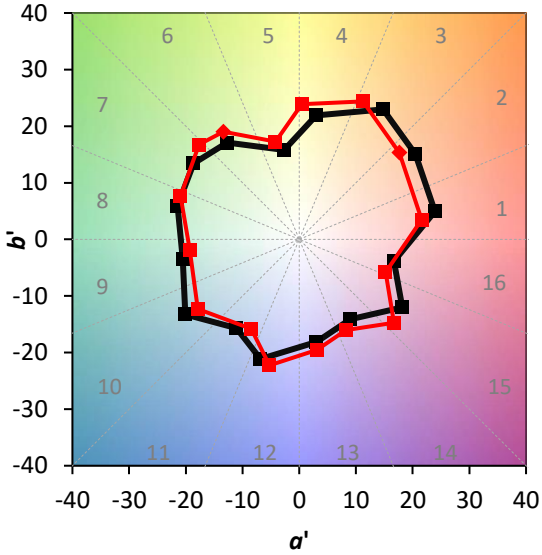
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R_g = 99.2
CIE R_a = 81.0
R_9 = 7.1

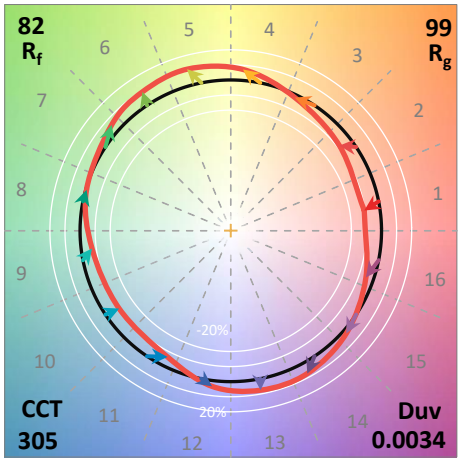
Spectral Power Distribution Comparison

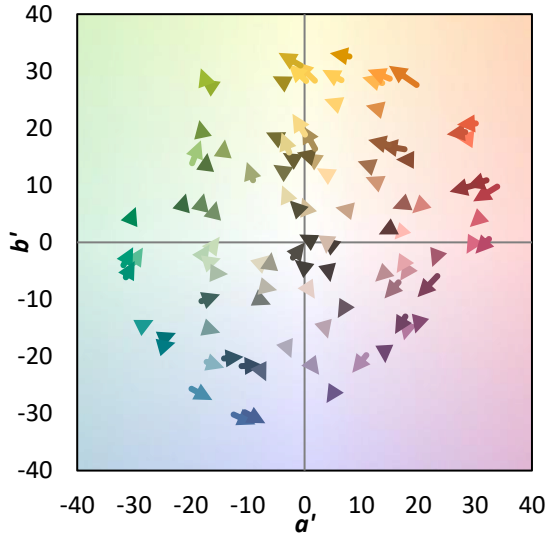


Color Vector Graphics







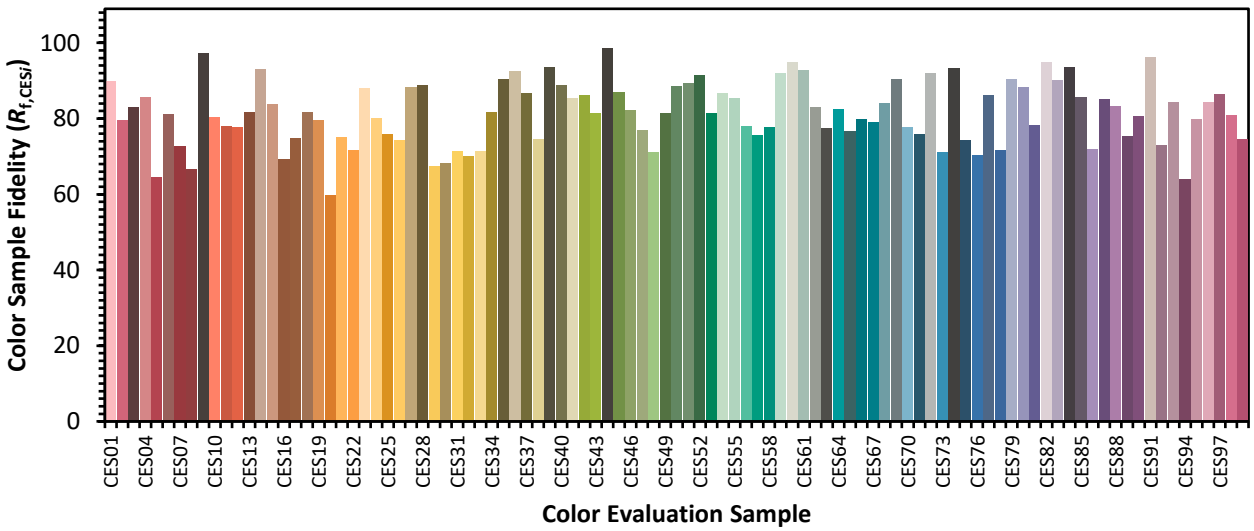


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Individual Sample Fidelity Index ($R_{f,i}$)

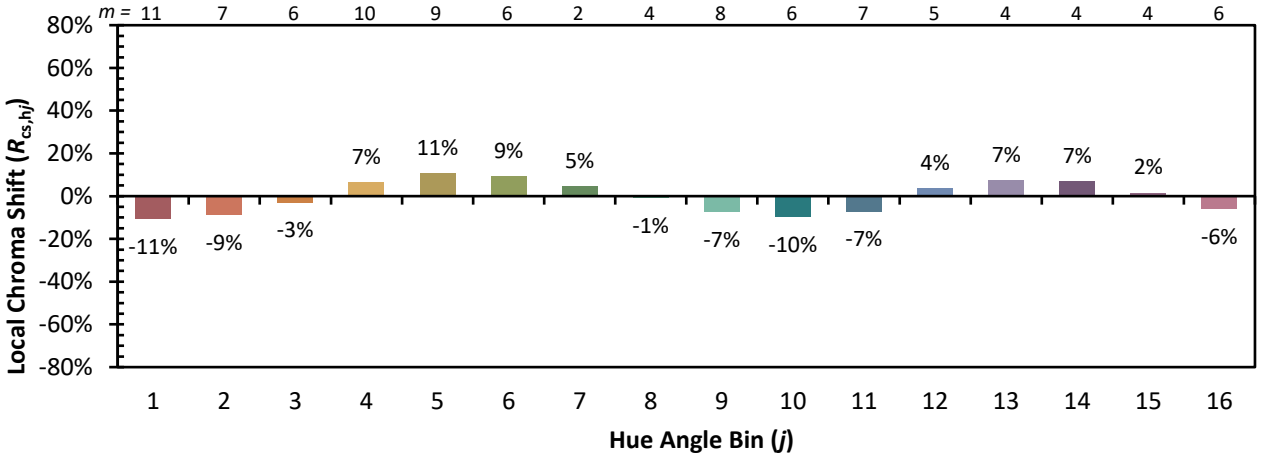
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CES02 = 63	CES27 = 88	CES52 = 92	CES77 = 86
CES03 = 31	CES28 = 89	CES53 = 81	CES78 = 72
CES04 = 70	CES29 = 67	CES54 = 87	CES79 = 90
CES05 = 50	CES30 = 68	CES55 = 85	CES80 = 88
CES06 = 51	CES31 = 71	CES56 = 78	CES81 = 78
CES07 = 42	CES32 = 70	CES57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

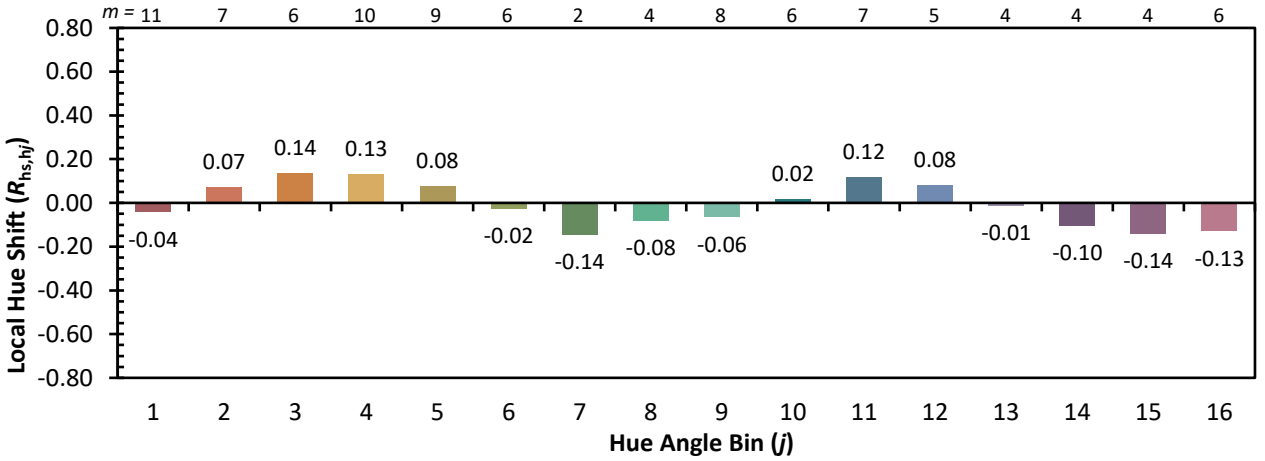


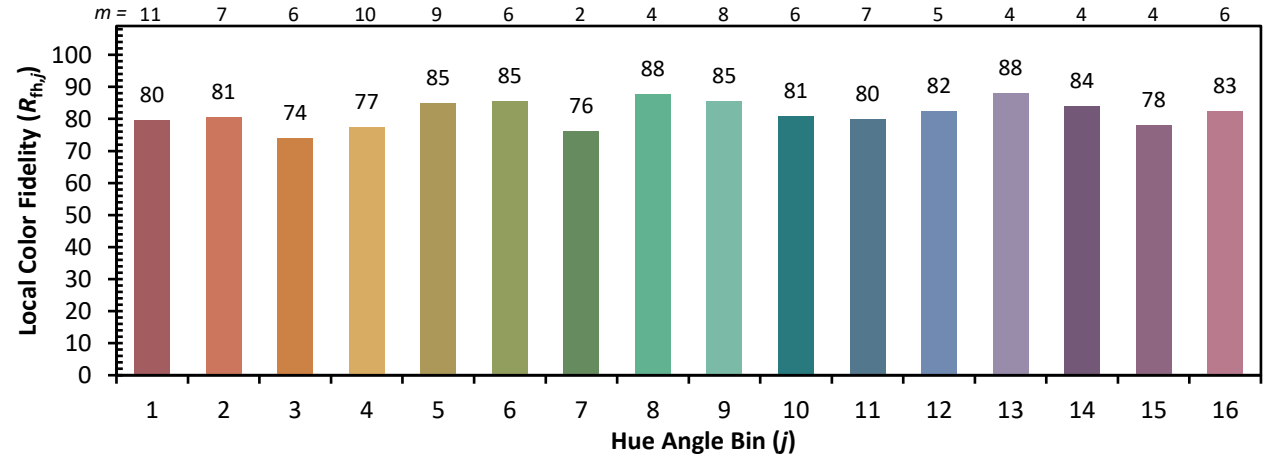
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Color Rendition by Hue-Angle Bin



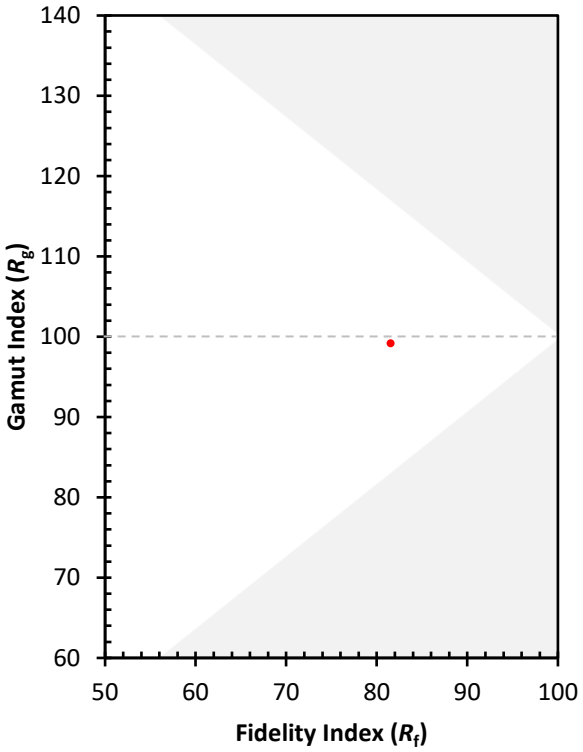


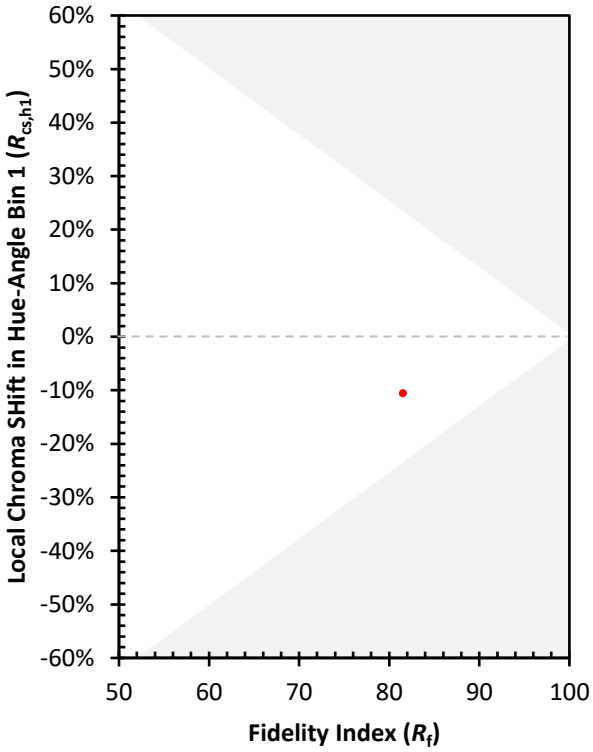


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Measure Comparisons





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