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: P1197971

Luminaire Tested: GPC-SB1B-830-U-T3R-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:	P1197971
	TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-6)
Test Lab:	INNOVATION CENTER
Issue Date:	3/15/2026
Manufacturer:	COOPER LIGHTING SOLUTIONS
Product Line:	McGRAW-EDISON
Catalog Number:	GPC-SB1B-830-U-T3R-HSS
Description:	GALLEON PEDESTRIAN LUMINAIRE
	(1) 80 CRI, 3000K, 450mA LIGHTSQUARE WITH 26 LEDS AND TYPE III ROADWAY OPTICS WITH HOUSE SIDE SHIELD
Light Source:	-
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	4235 lumens
Efficiency:	N/A
Efficacy:	106.4 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):	39.8
Input Voltage (V):	120.0
Input Current (Ain):	0.33
Voltage Rise (V):	NR
Power Factor:	0.996
Total Harmonic Distortion (THDi):	5.305
Frequency (hertz):	60
Stabilization Time:	NR
Operation Time:	NR
Ambient Temperature (°C):	NR
Test Distance:	28.75 FT

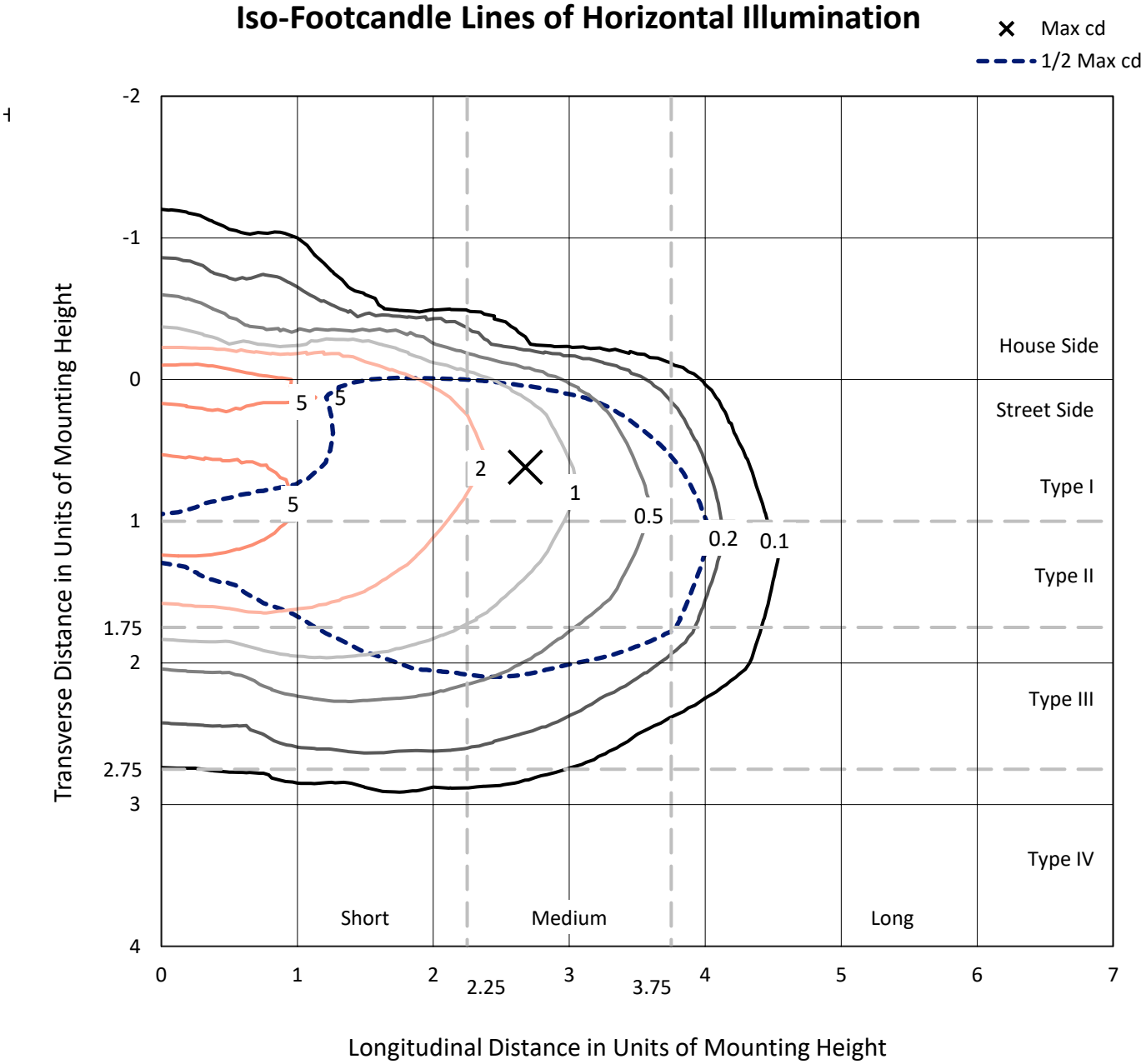


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REPORT NUMBER: P1197971
CATALOG NUMBER: GPC-SB1B-830-U-T3R-HSS

Iso-Footcandle Lines of Horizontal Illumination



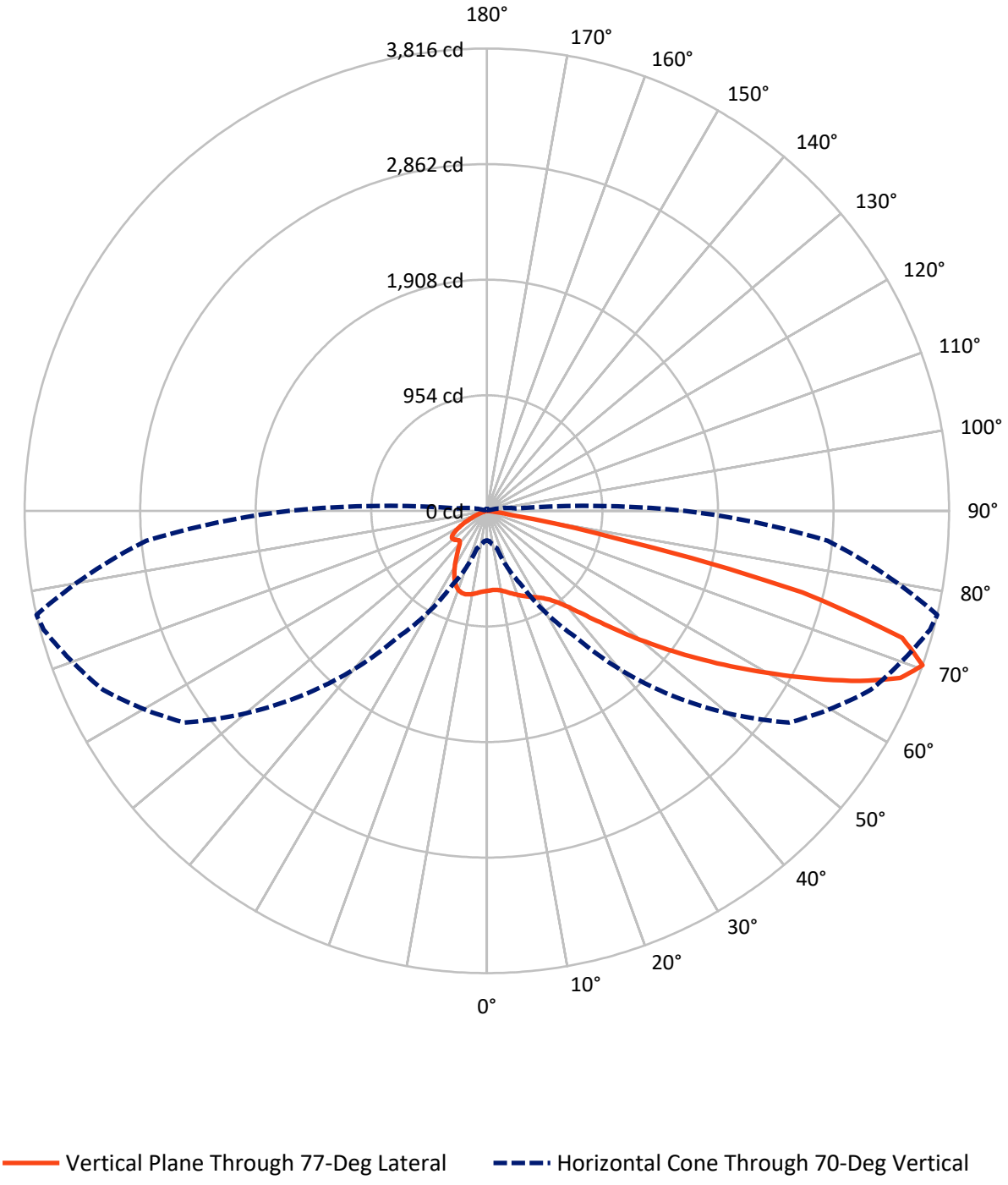
Based on 10 foot mounting height. Maximum calculated value = 7.8 fc
Type III - Medium - N/A

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REPORT NUMBER: P1197971
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Luminous Intensity Polar Plot



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Scaled Data Report

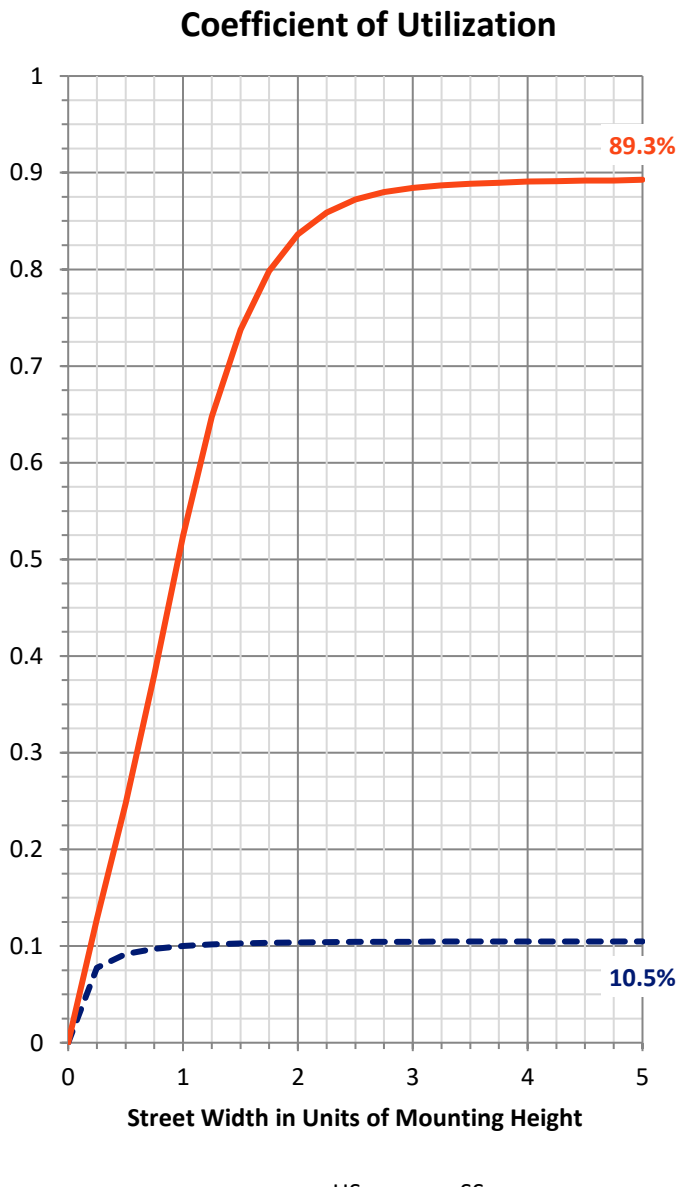
REPORT NUMBER: P1197971
CATALOG NUMBER: GPC-SB1B-830-U-T3R-HSS

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	446.4	0.0	446.4
	% Fixture	10.5	0.0	10.5
Street Side	Lumens	3788.6	0.0	3788.6
	% Fixture	89.5	0.0	89.5
Total	Lumens	4235.0	0.0	4235.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	56.9	1.3
10°-20°	135.1	3.2
20°-30°	209.0	4.9
30°-40°	379.3	9.0
40°-50°	716.0	16.9
50°-60°	1034.6	24.4
60°-70°	1101.3	26.0
70°-80°	583.6	13.8
80°-90°	19.2	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°	4235.0	100.0
0°-180°	4235.0	100.0



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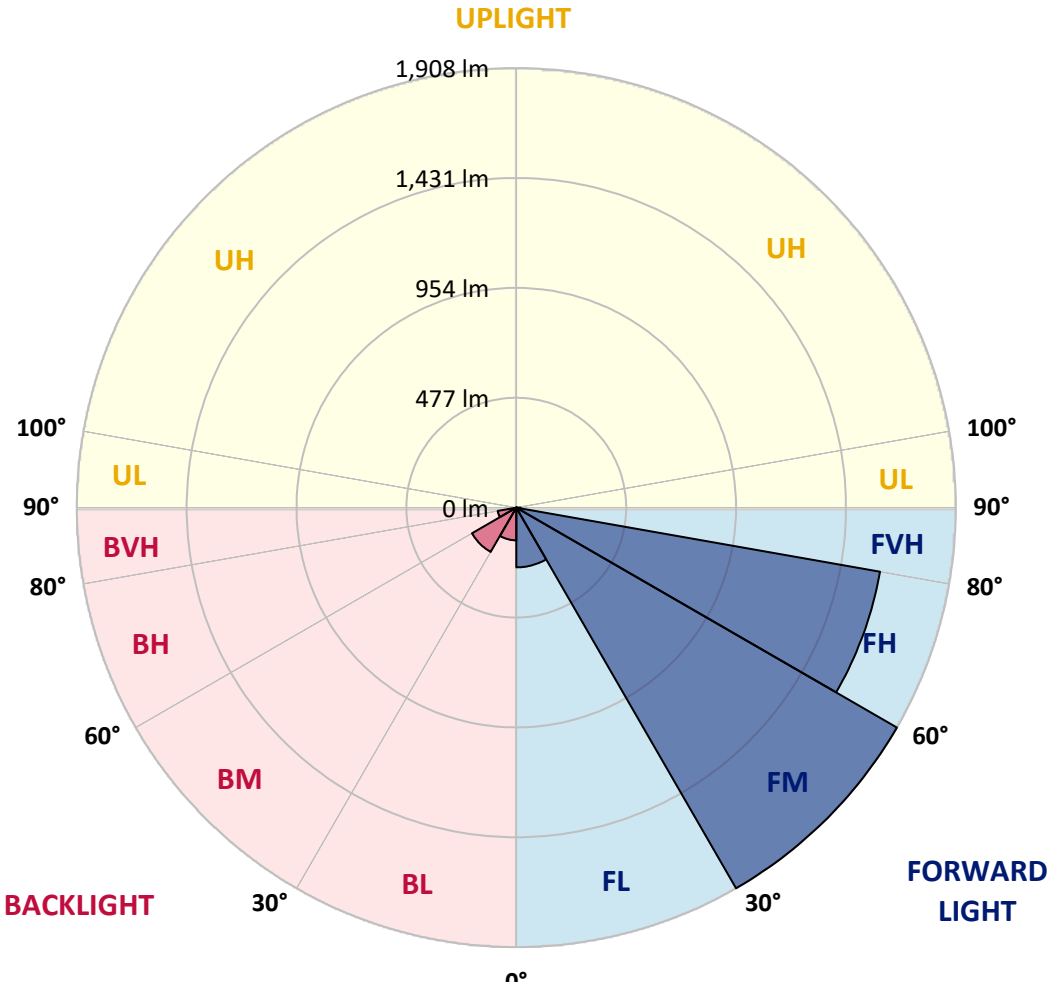
Scaled Data Report

REPORT NUMBER: P1197971
CATALOG NUMBER: GPC-SB1B-830-U-T3R-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	259.3	6.1			
FM	(30°-60°)	1907.6	45.0			
FH	(60°-80°)	1603.0	37.9			G1/1800
FVH	(80°-90°)	18.6	0.4			G1/100
BL	(0°-30°)	141.8	3.3	B1/500		
BM	(30°-60°)	222.2	5.2	B1/1000		
BH	(60°-80°)	81.8	1.9	B0/110		G0/110
BVH	(80°-90°)	0.5	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-G1
Type III Medium



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REPORT NUMBER: P1197971
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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	77°	85°
0°	660.6	660.6	660.6	660.6	660.6	660.6	660.6	660.6	660.6	*660.6*	660.6
2.5°	620.2	625.8	625.0	628.8	630.1	635.4	640.8	648.0	656.0	*655.8*	661.1
5°	585.2	590.8	592.1	597.2	603.6	611.9	622.9	637.3	652.3	*654.7*	665.4
7.5°	543.7	549.6	553.1	563.2	575.0	592.1	610.0	631.2	656.0	*659.5*	680.1
10°	502.3	507.6	512.2	526.6	545.3	570.7	599.9	630.4	663.8	*668.9*	698.0
12.5°	476.6	481.7	486.7	499.3	522.6	553.6	593.2	634.1	676.6	*683.9*	722.4
15°	467.5	472.0	476.0	487.3	508.9	544.2	591.9	641.9	692.9	*702.6*	751.8
17.5°	468.8	471.2	473.9	482.5	503.6	540.0	594.3	655.2	712.2	*720.8*	781.2
20°	476.6	477.9	478.2	484.1	502.8	539.4	599.1	668.1	730.4	*741.9*	810.4
22.5°	486.5	487.0	486.5	490.5	507.9	543.4	605.5	683.6	750.7	*761.4*	839.8
25°	532.7	522.6	509.7	502.0	516.4	551.2	615.1	704.4	772.9	*783.3*	868.4
27.5°	676.4	647.2	601.2	549.6	534.1	562.4	628.5	725.6	795.4	*804.7*	899.1
30°	909.6	871.3	793.2	676.9	590.8	586.0	645.9	746.7	819.2	*829.3*	932.0
32.5°	1143.3	1134.0	1043.8	882.8	718.4	638.4	674.8	775.3	850.7	*858.8*	976.4
35°	1379.7	1360.7	1286.9	1127.8	914.9	745.1	722.9	812.8	892.2	*901.3*	1041.2
37.5°	1560.8	1549.3	1503.6	1372.5	1148.1	909.8	805.3	870.8	952.4	*962.5*	1124.1
40°	1720.7	1715.4	1699.9	1613.5	1408.9	1125.4	933.4	960.7	1035.8	*1047.8*	1225.7
42.5°	1846.4	1859.0	1867.8	1843.8	1677.7	1371.4	1105.6	1086.9	1152.1	*1164.4*	1355.1
45°	1975.1	1979.3	2014.9	2049.7	1944.6	1628.7	1299.8	1234.8	1296.8	*1312.1*	1510.2
47.5°	2057.7	2074.8	2137.4	2198.6	2169.0	1883.9	1508.4	1409.4	1464.5	*1493.1*	1684.1
50°	2063.9	2096.2	2182.3	2289.0	2332.4	2126.7	1735.2	1608.4	1667.0	*1698.5*	1869.7
52.5°	1961.4	2011.7	2145.2	2301.3	2420.6	2332.4	1969.7	1807.4	1882.5	*1923.7*	2062.3
55°	1503.8	1569.6	2005.3	2234.5	2424.1	2488.3	2198.1	2014.6	2122.7	*2169.2*	2270.3
57.5°	1310.2	1343.4	1576.6	2118.4	2359.6	2551.1	2404.6	2212.0	2384.0	*2441.8*	2466.9
60°	1090.1	1133.7	1322.2	1928.5	2272.2	2557.3	2587.0	2466.6	2667.2	*2732.2*	2647.1
62.5°	740.8	788.2	975.6	1602.2	2152.6	2554.3	2736.5	2728.7	2982.0	*3051.8*	2799.9
65°	458.9	488.6	612.2	1308.3	1985.5	2557.6	2892.9	3047.0	3314.2	*3385.0*	2918.1
67.5°	362.7	376.3	440.7	1004.5	1697.5	2485.3	3049.1	3346.2	3626.8	*3683.0*	2954.2
70°	*243.6*	*251.9*	*320.7*	*673.4*	*1262.9*	*2152.1*	*3046.2*	*3496.5*	*3787.8*	*3815.9*	*2822.6*
72.5°	128.4	134.8	187.5	311.8	762.7	1529.8	2567.7	3316.8	3627.6	*3585.3*	2412.6
75°	64.2	74.9	126.2	158.3	325.7	853.1	1594.5	2615.1	2855.2	*2691.5*	1548.0
77.5°	48.7	58.8	104.3	104.3	113.4	287.2	675.3	1426.3	1315.6	*1095.4*	454.4
80°	31.0	40.1	91.2	78.9	47.3	73.0	176.0	399.6	279.5	*212.6*	82.6
82.5°	18.2	26.2	76.0	52.2	26.5	27.0	49.7	85.0	72.5	*56.4*	25.4
85°	7.2	17.1	52.2	20.6	10.4	6.7	15.0	18.2	15.0	*11.2*	6.4
87.5°	0.0	4.0	9.1	0.0	0.8	0.5	1.1	1.3	1.3	*1.1*	2.1
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: P1197971
CATALOG NUMBER: GPC-SB1B-830-U-T3R-HSS

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	660.6	660.6	660.6	660.6	660.6	660.6	660.6	660.6	660.6	660.6	660.6
2.5°	663.5	664.1	665.7	665.9	662.2	657.4	655.5	654.7	651.5	651.2	651.8
5°	671.5	674.0	671.5	664.6	648.0	624.7	607.1	592.7	579.5	575.5	573.1
7.5°	687.6	690.0	682.8	655.5	613.8	567.5	525.8	496.4	469.9	460.0	456.0
10°	710.6	713.8	691.1	636.0	562.2	487.8	417.2	367.5	328.7	312.9	306.2
12.5°	739.5	740.8	695.6	606.3	495.0	388.9	288.8	235.6	201.1	188.3	184.3
15°	771.3	769.4	696.2	565.9	403.6	274.9	188.5	154.8	140.9	136.7	136.7
17.5°	804.7	797.0	685.5	507.6	303.3	188.0	139.9	131.8	129.4	128.4	128.1
20°	837.6	820.2	665.9	431.4	217.7	140.4	127.0	124.6	123.3	122.8	122.2
22.5°	867.6	837.9	632.5	342.9	158.1	124.1	120.1	117.9	115.5	114.5	114.2
25°	896.7	848.1	585.4	260.2	126.5	116.1	112.9	108.8	105.6	104.3	103.8
27.5°	925.1	854.5	526.6	192.6	112.9	108.6	102.7	97.1	94.7	94.1	93.6
30°	955.3	856.6	459.7	143.6	104.6	99.2	90.7	84.2	82.9	83.2	83.2
32.5°	992.2	859.8	392.3	117.7	97.6	88.0	77.8	71.1	70.1	71.1	70.9
35°	1036.3	866.2	327.3	108.3	91.5	76.5	65.5	59.9	58.8	59.6	59.4
37.5°	1096.2	876.7	266.6	106.4	86.4	66.9	55.1	50.5	50.5	50.8	50.5
40°	1175.9	904.5	212.3	105.1	83.7	59.6	46.5	44.7	45.5	46.0	46.0
42.5°	1273.0	963.6	175.7	103.5	80.8	56.4	42.3	41.5	42.8	43.3	43.3
45°	1381.9	1038.5	162.9	100.8	78.1	58.6	40.4	39.3	40.9	41.2	41.5
47.5°	1494.5	1111.8	161.3	97.9	75.4	61.8	39.8	37.4	39.3	39.6	39.8
50°	1608.4	1159.6	162.9	93.3	71.1	61.8	40.1	35.6	37.2	38.0	38.2
52.5°	1723.1	1181.6	161.8	83.4	63.7	58.0	40.1	34.0	35.6	36.1	36.1
55°	1834.4	1177.3	145.5	68.7	54.0	51.3	39.0	32.6	33.7	34.0	34.0
57.5°	1922.4	1117.6	115.3	53.5	43.9	42.8	35.6	31.0	31.8	31.6	31.6
60°	1968.4	986.6	82.4	41.2	34.5	33.7	31.3	28.9	29.4	28.1	27.8
62.5°	1968.9	813.3	55.1	32.6	27.5	26.7	26.7	25.9	25.4	22.7	21.9
65°	1926.9	621.0	36.6	25.9	22.2	20.9	22.5	22.2	20.3	16.6	16.0
67.5°	1831.7	407.0	27.8	20.3	17.1	16.3	17.9	18.7	17.4	13.9	13.6
70°	*1635.9*	*237.0*	*23.0*	*15.8*	*12.8*	*12.0*	*14.4*	*16.0*	*14.4*	*11.2*	*10.7*
72.5°	1358.9	127.8	18.7	11.8	8.8	8.0	11.5	13.1	11.5	8.3	8.0
75°	881.8	68.5	14.4	7.8	4.5	5.1	8.6	9.6	8.0	5.3	4.8
77.5°	296.1	30.2	9.1	3.7	2.1	2.1	5.1	5.9	3.7	1.9	1.6
80°	66.1	12.6	3.7	1.6	0.8	0.8	1.1	1.1	0.5	0.0	0.0
82.5°	21.7	5.1	1.6	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	8.3	1.9	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	3.2	0.3	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


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

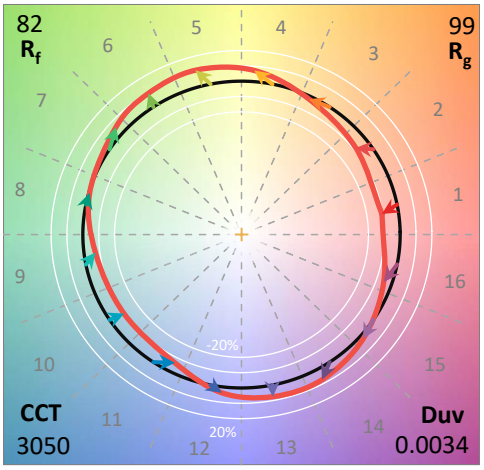
Test Information

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

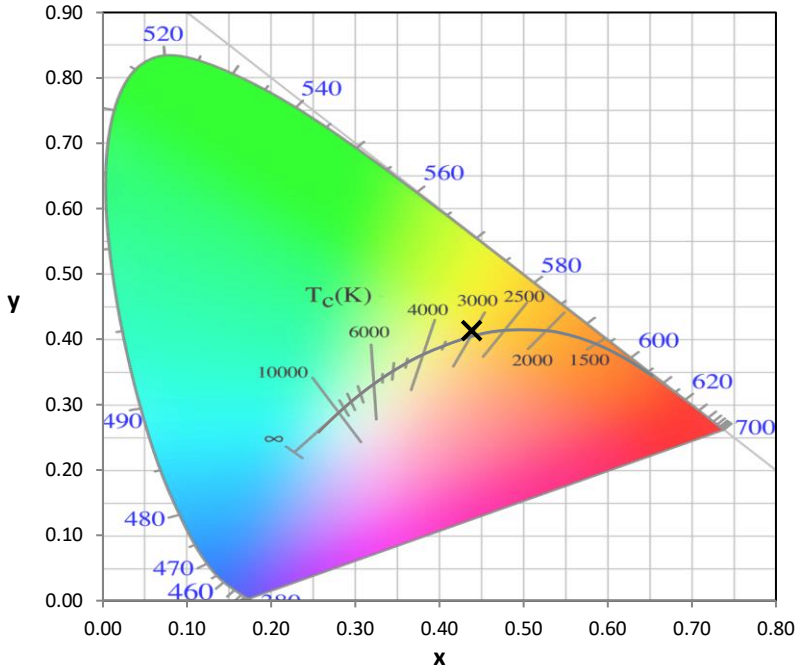
Stabilization Time:	20M
Operation Time:	1H 20M
Sphere Temperature (°C):	24.2

REPORT NUMBER: SP1-2408-195-9

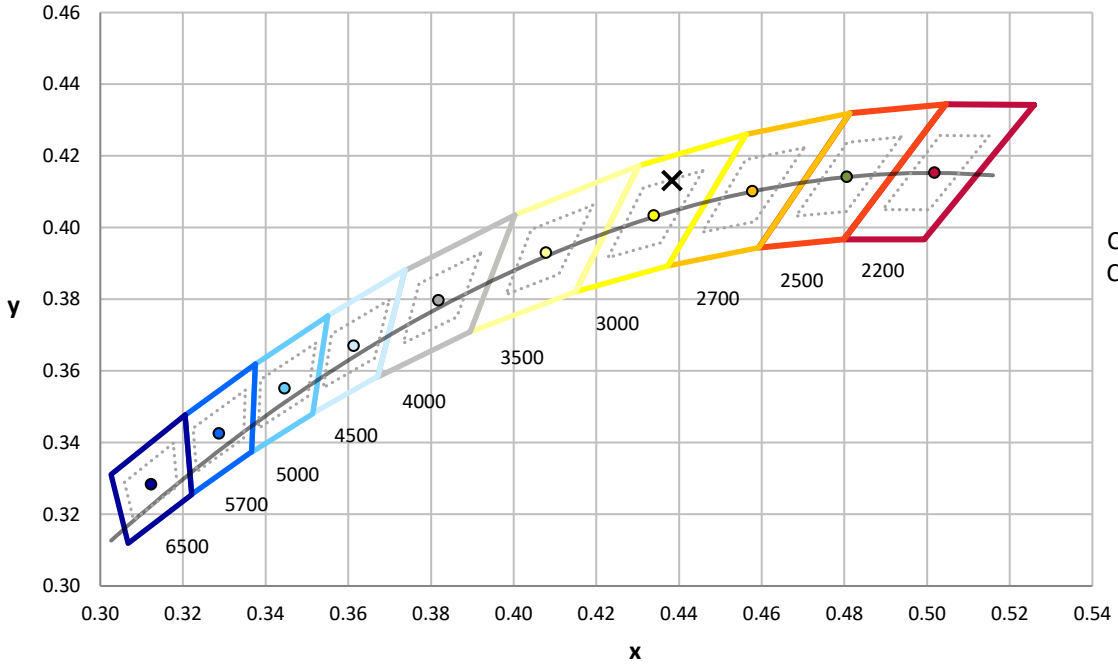
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

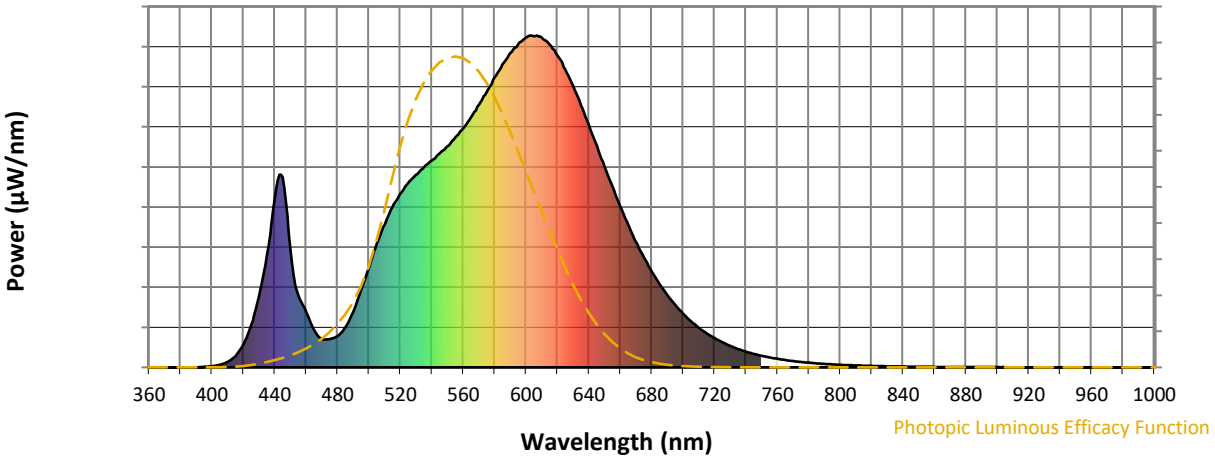


CCT = 3050K
CIE x = 0.4383
CIE y = 0.4131
Duv = 0.0034

Point lies inside the ANSI 3000K 4-step quadrangle

REPORT NUMBER: SP1-2408-195-9

Photopic Flux vs. Wavelength

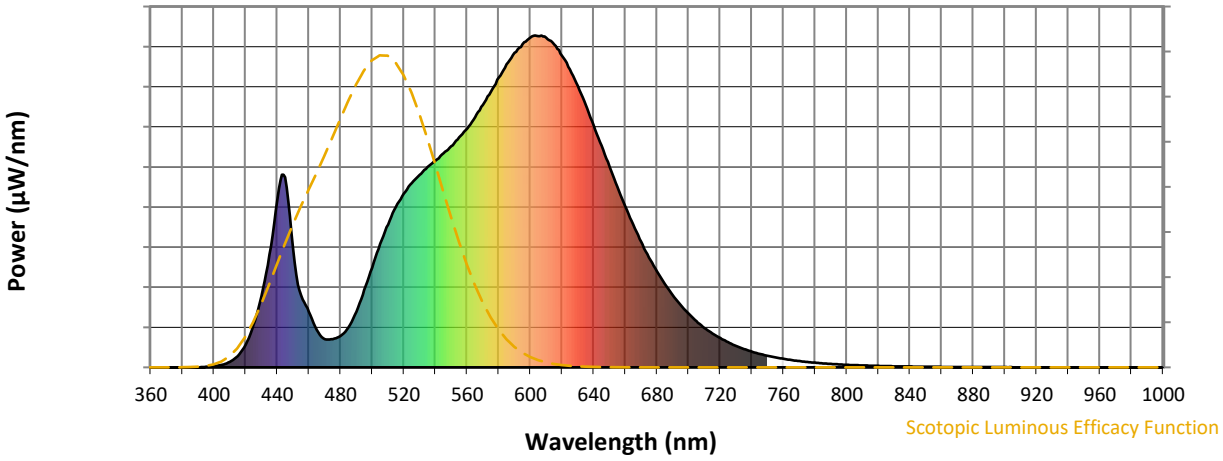


Photopic Lumens: NR

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

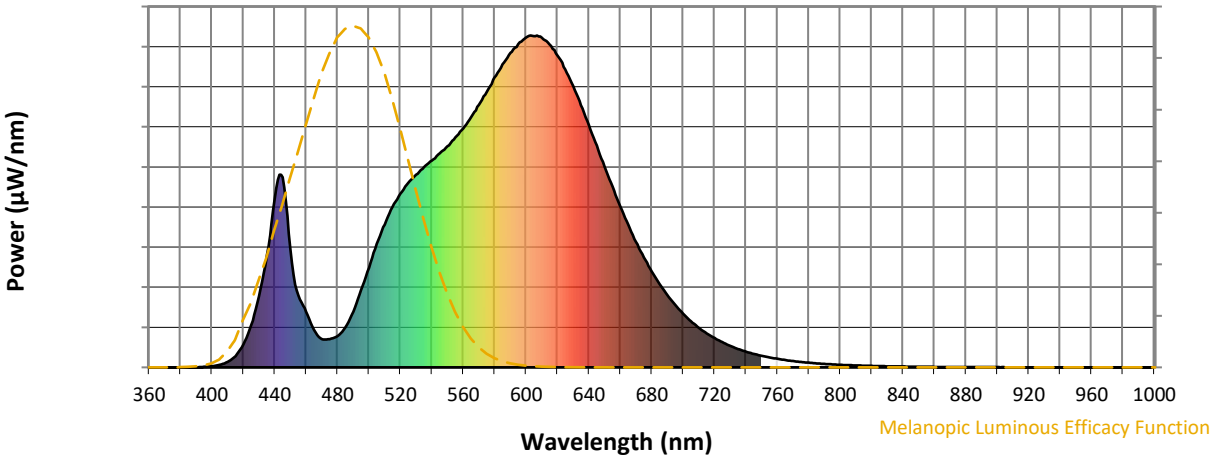


Scotopic Lumens: NR **S/P: 1.27**

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			

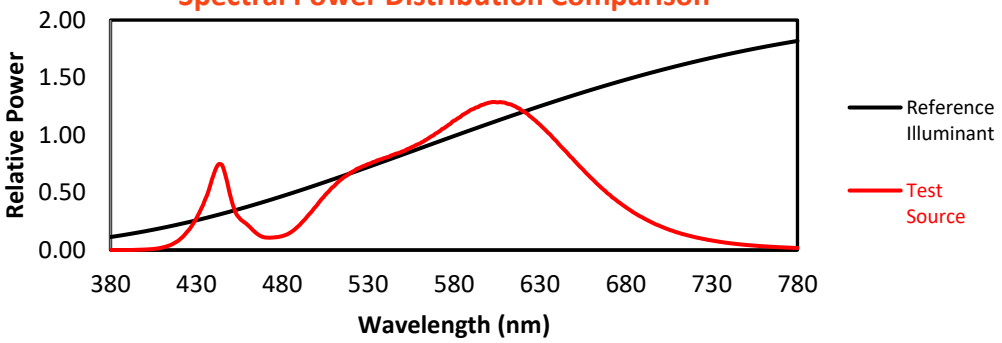
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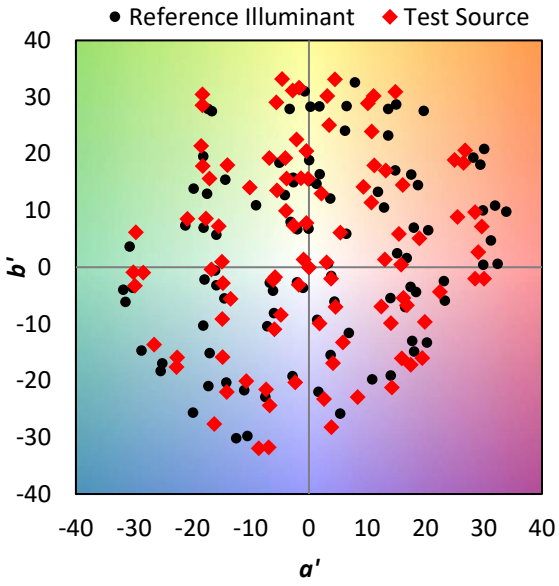
Summary

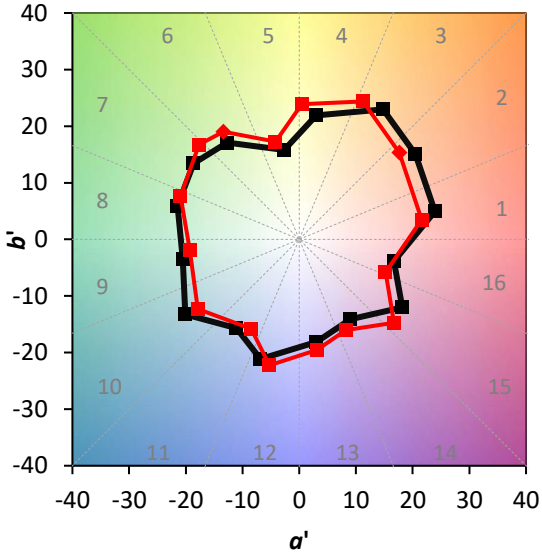
R_f = 81.5
R_g = 99.2
CIE R_a = 81.0
R_9 = 7.1

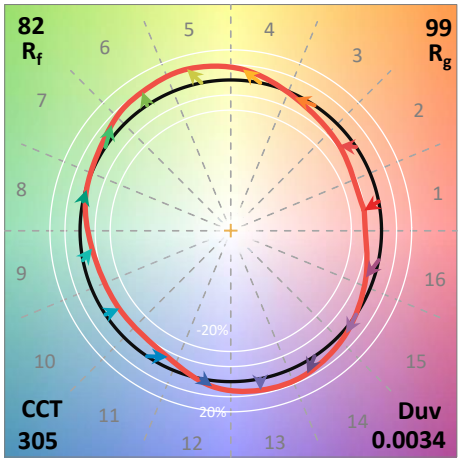
Spectral Power Distribution Comparison

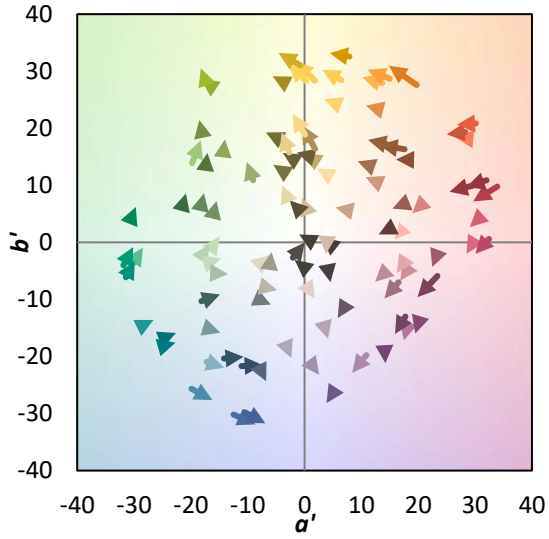


Color Vector Graphics







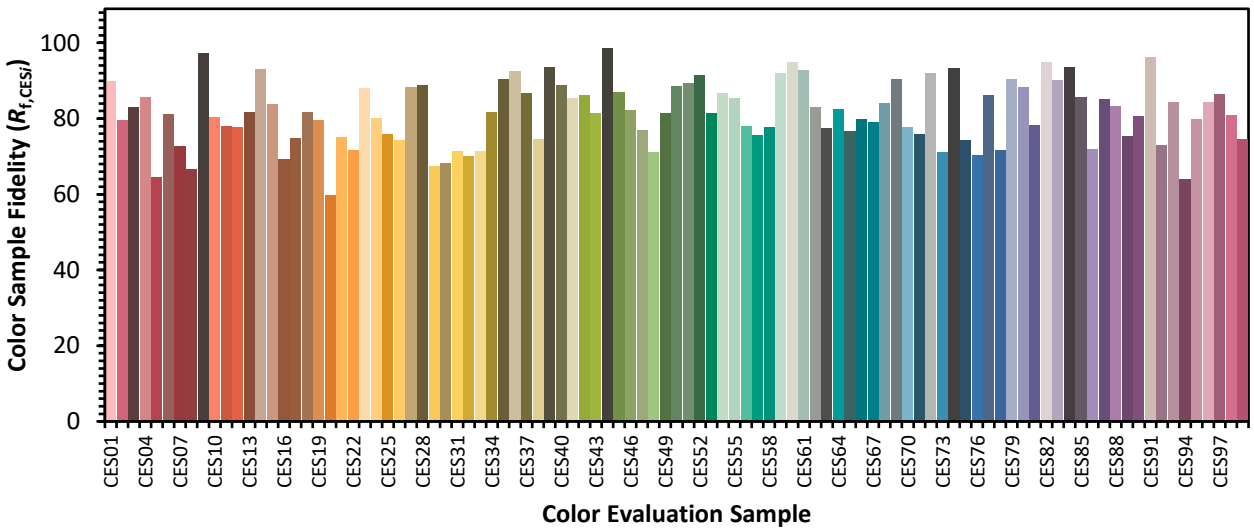


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Individual Sample Fidelity Index ($R_{f,i}$)

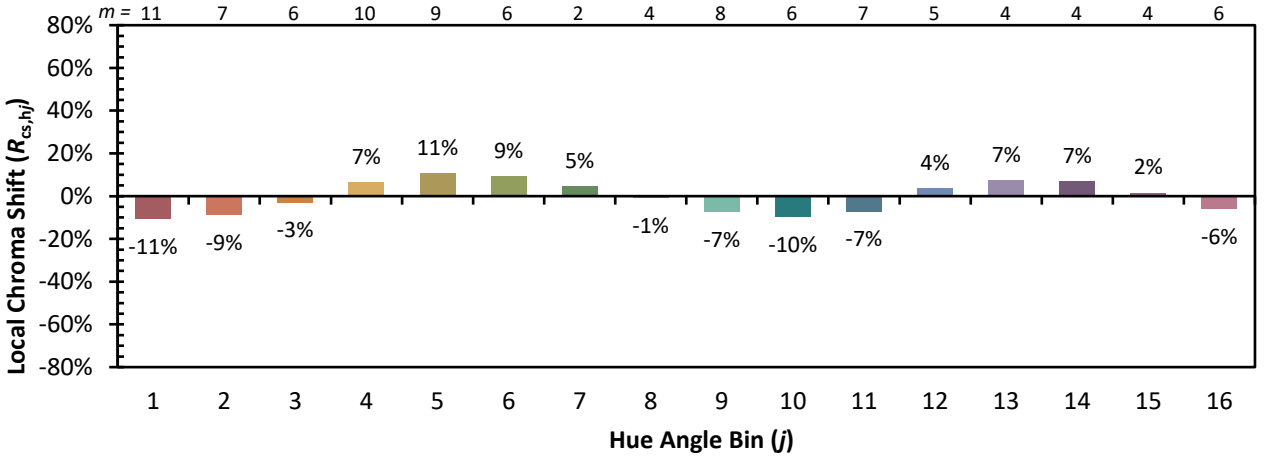
CES01 = 86	CES26 = 74	CES51 = 89	CES76 = 70
CES02 = 63	CES27 = 88	CES52 = 92	CES77 = 86
CES03 = 31	CES28 = 89	CES53 = 81	CES78 = 72
CES04 = 70	CES29 = 67	CES54 = 87	CES79 = 90
CES05 = 50	CES30 = 68	CES55 = 85	CES80 = 88
CES06 = 51	CES31 = 71	CES56 = 78	CES81 = 78
CES07 = 42	CES32 = 70	CES57 = 76	CES82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

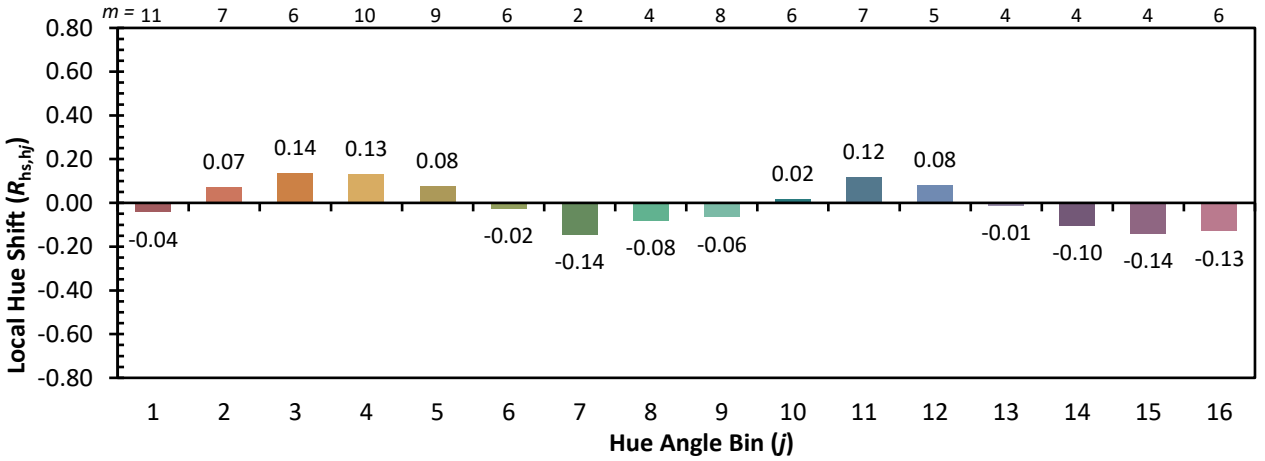


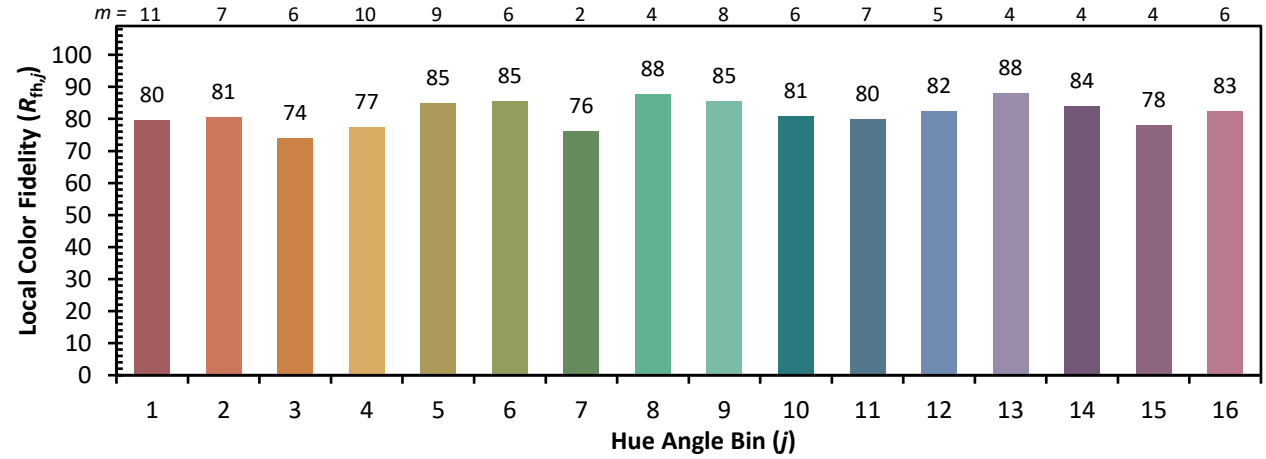
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Color Rendition by Hue-Angle Bin



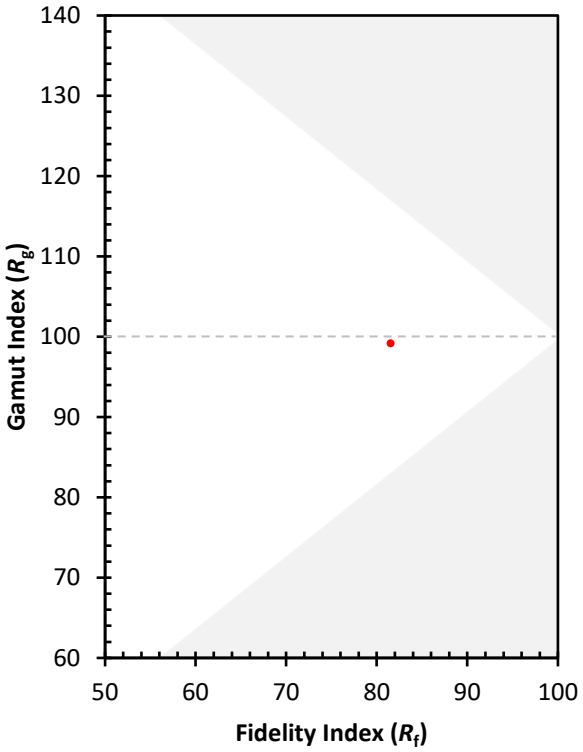


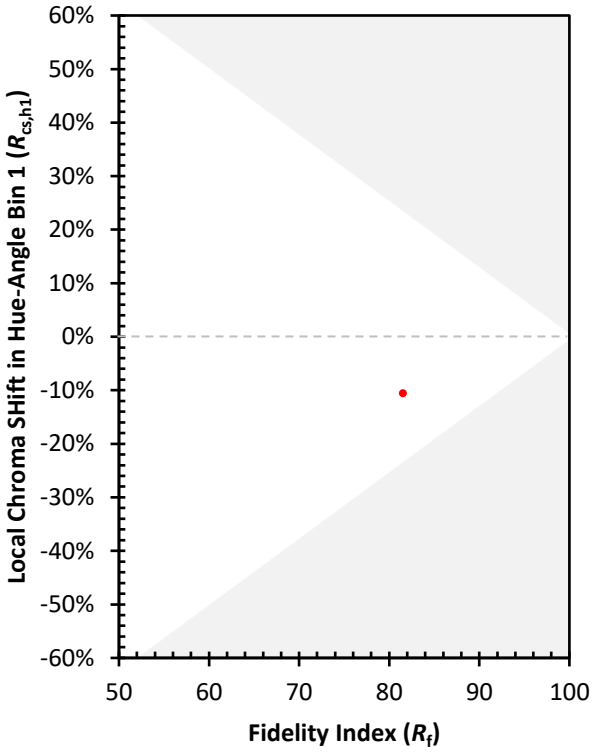


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Measure Comparisons





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