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: P1201240

Luminaire Tested: GWC-SB1A-830-U-SL3-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:	P1201240
	TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-13)
Test Lab:	INNOVATION CENTER
Issue Date:	3/14/2026
Manufacturer:	COOPER LIGHTING SOLUTIONS
Product Line:	McGRAW-EDISON
Catalog Number:	GWC-SB1A-830-U-SL3-HSS
Description:	GALLEON WALL LUMINAIRE
	(1) 80 CRI, 3000K, 350mA LIGHTSQUARE WITH 26 LEDS AND TYPE III SPILL LIGHT ELIMINATOR OPTICS WITH HOUSE SIDE SHIELD
Light Source:	-
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	3263 lumens
Efficiency:	N/A
Efficacy:	105.6 lumens/watt
Luminous Opening:	Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification:	Type III - Medium
BUG Rating:	B0 - 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

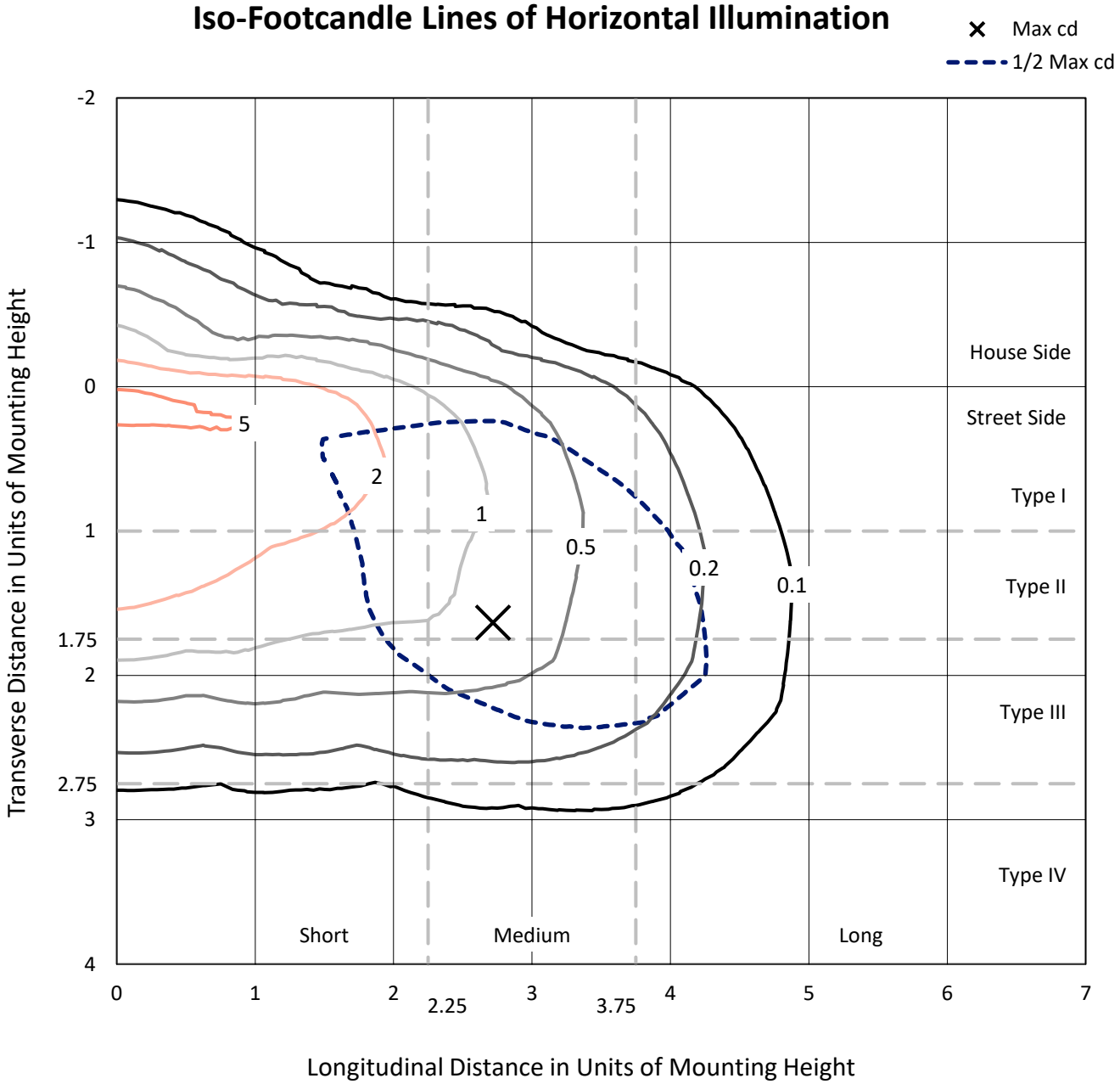


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Scaled Data Report

REPORT NUMBER: P1201240
CATALOG NUMBER: GWC-SB1A-830-U-SL3-HSS

Iso-Footcandle Lines of Horizontal Illumination



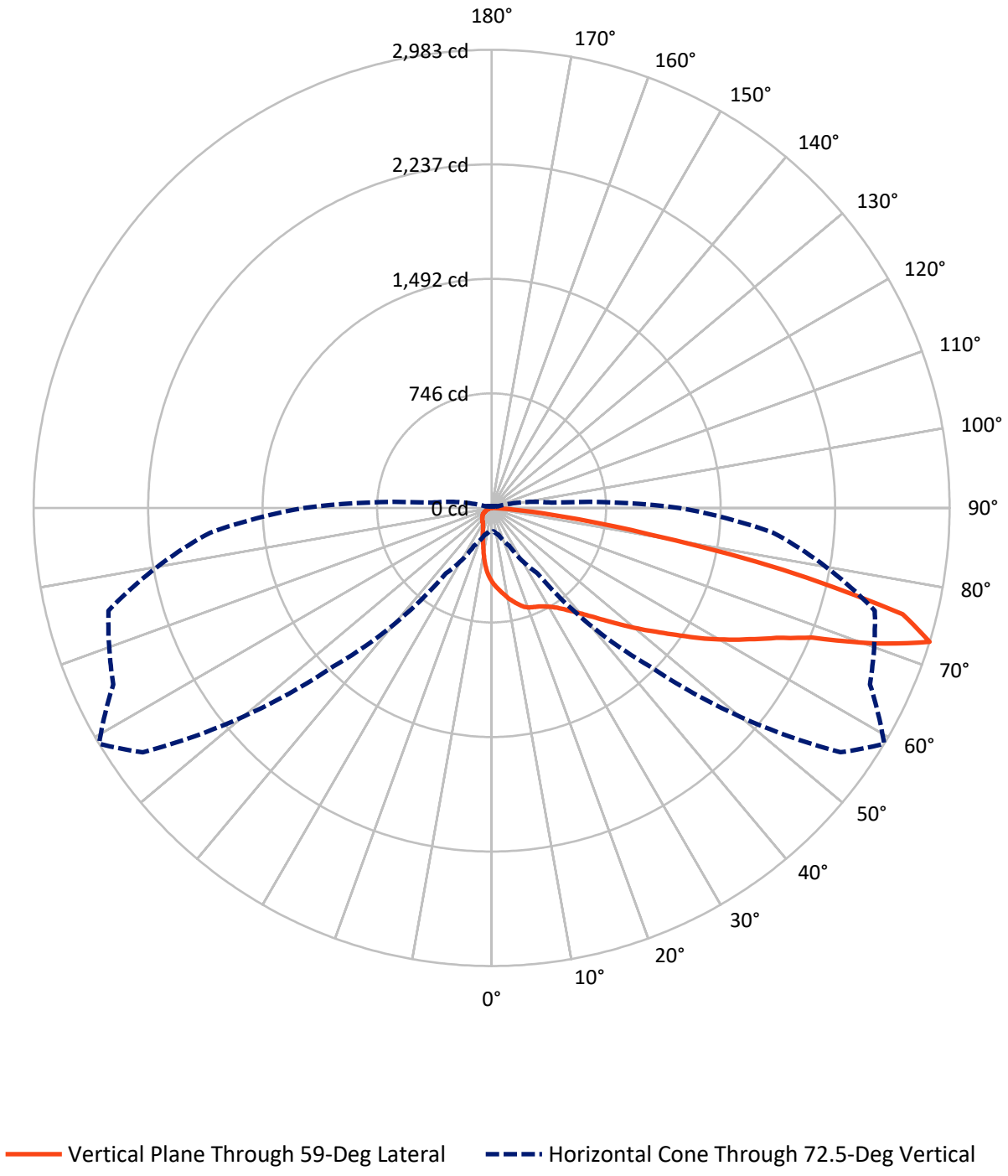
Based on 10 foot mounting height. Maximum calculated value = 8.1 fc
Type III - Medium - N/A

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Scaled Data Report

REPORT NUMBER: P1201240
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Luminous Intensity Polar Plot



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Scaled Data Report

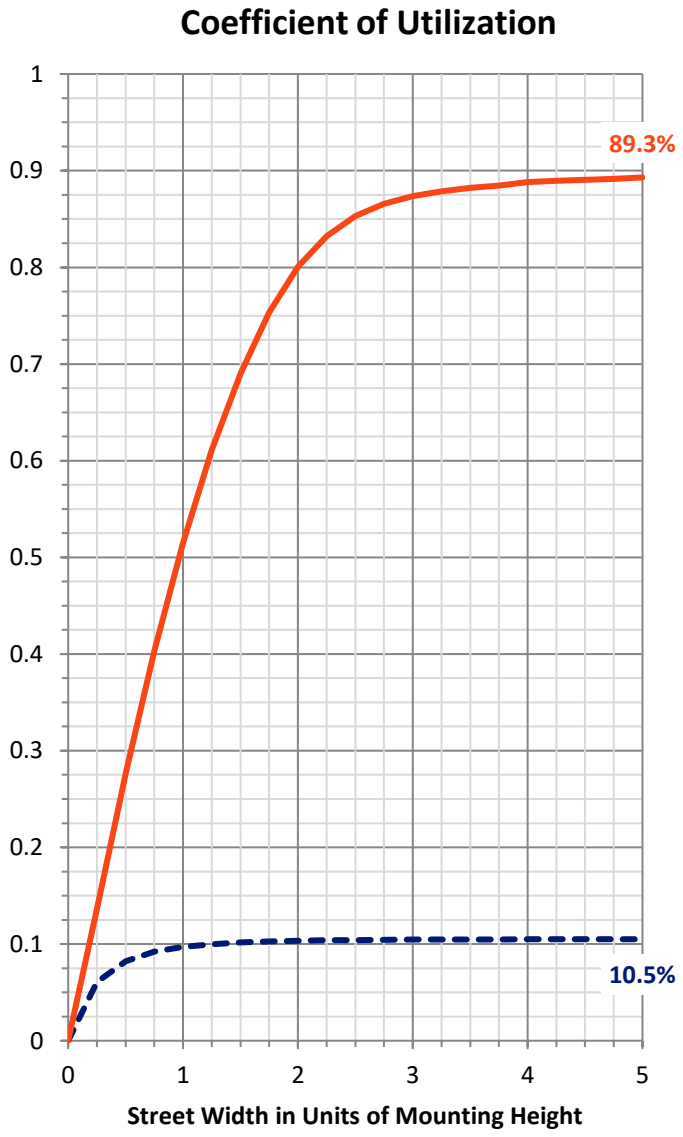
REPORT NUMBER: P1201240
CATALOG NUMBER: GWC-SB1A-830-U-SL3-HSS

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	344.6	0.0	344.6
	% Fixture	10.6	0.0	10.6
Street Side	Lumens	2918.4	0.0	2918.4
	% Fixture	89.4	0.0	89.4
Total	Lumens	3263.0	0.0	3263.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	43.7	1.3
10°-20°	116.0	3.6
20°-30°	183.8	5.6
30°-40°	294.9	9.0
40°-50°	471.0	14.4
50°-60°	682.0	20.9
60°-70°	809.4	24.8
70°-80°	600.8	18.4
80°-90°	61.4	1.9
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°	3263.0	100.0
0°-180°	3263.0	100.0



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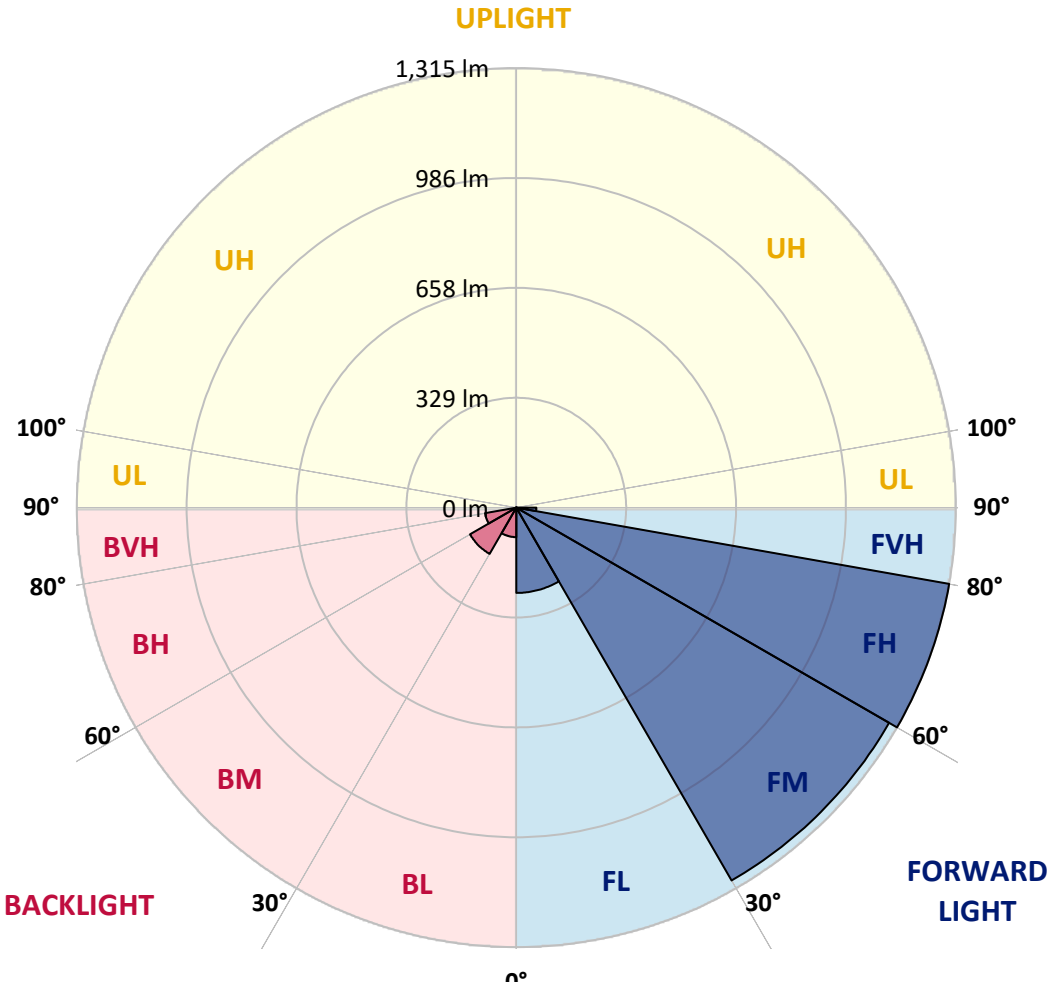
Scaled Data Report

REPORT NUMBER: P1201240
CATALOG NUMBER: GWC-SB1A-830-U-SL3-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	255.1	7.8			
FM	(30°-60°)	1288.2	39.5			
FH	(60°-80°)	1315.2	40.3			G1/1800
FVH	(80°-90°)	59.9	1.8			G1/100
BL	(0°-30°)	88.3	2.7	B0/110		
BM	(30°-60°)	159.8	4.9	B0/220		
BH	(60°-80°)	95.0	2.9	B0/110		G0/110
BVH	(80°-90°)	1.5	0.0			G0/10
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B0-U0-G1
Type III Medium



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Scaled Data Report

REPORT NUMBER: P1201240
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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	59°	65°	75°	85°
0°	482.5	482.5	482.5	482.5	482.5	482.5	482.5	*482.5*	482.5	482.5	482.5
2.5°	535.4	532.4	532.8	527.7	524.1	520.2	512.8	*511.7*	506.4	497.0	487.4
5°	582.0	580.1	578.4	572.6	565.2	555.8	543.2	*538.8*	529.0	512.8	494.0
7.5°	616.1	613.7	614.6	608.8	602.9	592.4	575.2	*566.9*	553.9	529.2	500.8
10°	622.7	621.4	627.0	629.1	629.1	622.5	605.7	*597.3*	578.4	546.9	507.9
12.5°	585.6	585.8	599.7	616.3	638.0	644.2	632.9	*624.0*	605.2	565.6	516.8
15°	542.4	542.6	556.0	577.3	612.9	648.5	657.4	*651.7*	632.3	585.8	527.3
17.5°	516.4	515.3	524.3	541.7	579.0	629.1	672.3	*676.2*	660.4	608.2	538.8
20°	512.8	510.9	515.5	524.3	550.9	604.8	674.0	*692.1*	689.4	633.6	552.0
22.5°	534.9	531.9	529.4	529.8	541.1	584.6	669.8	*701.1*	719.2	664.0	570.1
25°	578.8	574.1	565.8	555.2	552.8	580.3	666.8	*710.9*	746.9	703.0	593.9
27.5°	632.5	625.9	609.9	593.9	580.3	592.2	673.0	*726.4*	778.2	748.4	621.6
30°	691.5	683.4	667.4	637.2	615.5	618.9	687.7	*746.9*	818.3	799.7	656.4
32.5°	778.2	759.5	731.6	685.3	656.6	647.6	709.8	*772.9*	867.9	868.1	706.6
35°	852.6	842.1	814.0	756.5	697.5	685.8	739.0	*809.5*	936.7	958.6	776.9
37.5°	901.3	887.1	862.4	819.1	761.0	725.0	778.0	*854.5*	1009.6	1061.8	863.6
40°	955.9	941.8	909.0	868.3	834.7	792.3	827.2	*906.2*	1089.5	1167.6	962.7
42.5°	1021.7	1003.4	964.6	920.7	885.6	880.9	891.5	*970.8*	1171.5	1282.7	1065.8
45°	1099.0	1081.8	1037.3	981.9	951.0	942.7	972.5	*1046.0*	1262.9	1408.8	1170.0
47.5°	1171.5	1151.4	1103.5	1053.0	1018.7	992.5	1058.6	*1134.8*	1366.4	1540.7	1268.4
50°	1233.0	1212.6	1168.7	1114.8	1091.6	1057.3	1143.1	*1233.9*	1469.1	1674.7	1358.3
52.5°	1275.2	1257.1	1205.6	1168.9	1153.1	1135.9	1242.2	*1338.9*	1571.3	1797.4	1447.1
55°	1265.6	1249.4	1204.1	1201.5	1200.4	1218.5	1360.6	*1458.0*	1675.5	1913.5	1535.5
57.5°	1235.2	1216.8	1160.2	1199.2	1236.9	1292.3	1488.9	*1598.8*	1789.7	2023.0	1620.8
60°	1145.5	1139.1	1104.6	1194.7	1252.2	1364.5	1635.5	*1740.3*	1913.3	2119.3	1696.4
62.5°	955.7	961.2	961.0	1204.1	1279.9	1446.7	1768.6	*1883.4*	2034.0	2211.9	1763.7
65°	715.6	734.8	759.2	1119.7	1317.0	1593.5	1927.7	*2038.7*	2156.7	2319.7	1832.1
67.5°	480.8	496.2	512.8	918.6	1206.6	1747.7	2192.1	*2251.5*	2303.7	2439.2	1909.0
70°	275.2	280.1	303.4	573.7	930.1	1705.1	2622.7	*2644.2*	2523.0	2586.4	1965.0
72.5°	*154.2*	*152.5*	*183.2*	*272.3*	*519.8*	*1460.1*	*2773.5*	*2983.3*	*2719.2*	*2584.1*	*1840.0*
75°	103.1	103.3	126.1	171.7	202.6	1022.1	2390.0	*2766.2*	2601.6	2291.4	1503.4
77.5°	70.3	72.6	92.7	132.7	93.7	498.7	1581.1	*1937.7*	2106.3	1769.5	1037.9
80°	30.5	30.7	61.1	95.2	63.3	158.7	819.8	*1038.1*	1321.0	993.6	411.2
82.5°	15.8	17.9	39.0	61.6	39.8	55.6	387.3	*453.5*	554.3	291.6	84.4
85°	5.5	6.6	24.1	30.3	20.0	19.8	134.8	*137.4*	117.4	43.9	23.2
87.5°	0.0	1.1	9.4	7.5	2.6	2.3	16.0	*13.4*	10.7	6.2	7.7
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: P1201240
CATALOG NUMBER: GWC-SB1A-830-U-SL3-HSS

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	482.5	482.5	482.5	482.5	482.5	482.5	482.5	482.5	482.5	482.5	482.5
2.5°	482.9	477.2	467.8	456.3	442.9	435.7	425.2	418.8	413.1	413.3	418.0
5°	483.6	474.0	450.1	424.8	396.7	376.0	353.0	336.8	324.4	321.5	325.9
7.5°	485.5	469.3	430.3	388.1	341.3	306.6	274.8	254.8	243.5	240.5	243.5
10°	488.1	464.2	408.0	343.4	285.3	243.5	217.1	204.3	199.2	195.4	197.7
12.5°	490.2	458.9	379.8	297.2	235.4	202.8	182.8	172.1	167.7	164.9	166.4
15°	493.8	451.8	349.4	254.1	201.7	175.1	156.2	148.3	147.0	147.4	148.1
17.5°	497.4	445.0	315.3	220.5	177.0	150.8	139.3	138.0	139.7	141.5	142.1
20°	501.5	435.2	280.8	195.1	154.2	134.0	131.0	131.9	132.7	135.7	136.6
22.5°	507.4	422.9	250.5	173.6	135.3	125.9	124.4	125.1	125.7	128.7	129.5
25°	516.0	409.7	226.0	153.8	123.3	119.3	117.8	117.8	118.7	121.4	122.5
27.5°	524.9	390.9	206.2	135.5	116.3	112.1	109.5	109.5	110.6	113.8	115.0
30°	534.9	373.9	190.7	121.9	110.4	104.8	101.4	100.6	101.8	105.9	106.9
32.5°	553.0	362.8	179.6	115.5	105.0	98.2	93.5	91.2	92.5	97.1	98.4
35°	580.5	360.2	171.9	112.3	99.9	92.2	85.6	82.0	83.1	88.0	89.5
37.5°	612.7	365.6	164.5	108.0	95.0	86.5	77.8	73.1	74.8	79.2	80.5
40°	658.9	387.7	158.7	104.8	90.1	79.7	69.9	65.2	68.0	71.8	72.4
42.5°	714.7	427.1	157.2	101.8	84.1	72.4	62.6	59.2	61.4	65.0	65.6
45°	784.0	477.4	164.0	98.0	77.5	65.4	56.9	55.0	55.6	59.2	60.9
47.5°	858.3	529.0	182.8	94.6	71.8	59.6	52.4	50.7	50.3	53.7	55.8
50°	933.5	574.8	204.9	92.0	67.7	55.0	49.0	46.9	45.8	47.9	48.8
52.5°	1007.9	611.2	219.4	87.8	63.7	50.3	46.0	42.8	40.9	42.0	42.8
55°	1083.3	643.1	220.3	81.4	59.9	47.3	43.0	39.4	37.1	37.1	37.5
57.5°	1153.8	671.3	207.7	72.9	54.5	44.5	39.0	36.0	33.4	32.6	32.8
60°	1216.2	692.1	186.8	63.3	49.8	40.9	34.9	32.6	29.4	27.7	27.3
62.5°	1271.8	702.4	158.3	53.5	44.1	36.6	31.1	28.5	24.3	22.2	21.9
65°	1318.9	691.9	128.5	44.3	39.2	32.0	26.6	24.1	19.4	16.8	16.8
67.5°	1365.5	644.2	97.1	37.3	34.1	26.8	21.9	19.6	16.2	14.1	14.1
70°	1371.5	543.9	68.0	31.3	28.3	20.7	17.7	16.2	13.2	11.3	11.1
72.5°	*1220.9*	*391.3*	*41.3*	*25.6*	*22.2*	*14.7*	*14.1*	*12.8*	*9.8*	*8.5*	*8.3*
75°	975.9	239.9	24.3	19.2	14.7	10.4	10.4	9.2	6.6	5.5	5.5
77.5°	674.5	125.5	14.3	12.4	8.7	6.2	6.8	5.5	3.2	2.6	2.6
80°	270.1	47.7	7.7	5.8	4.0	2.8	2.3	1.3	0.6	0.4	0.6
82.5°	53.9	12.6	2.6	1.5	1.5	0.6	0.0	0.0	0.0	0.0	0.0
85°	13.8	2.8	0.6	0.4	0.4	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	4.3	0.0	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

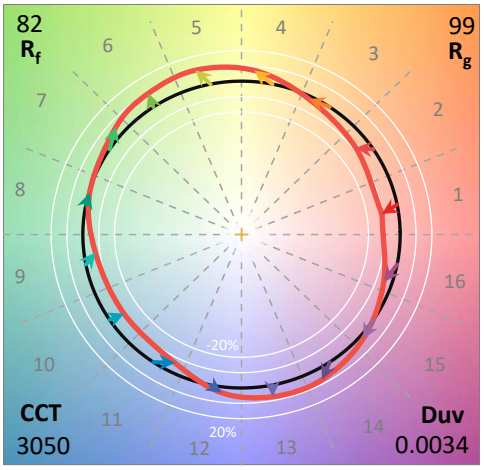
Test Information

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

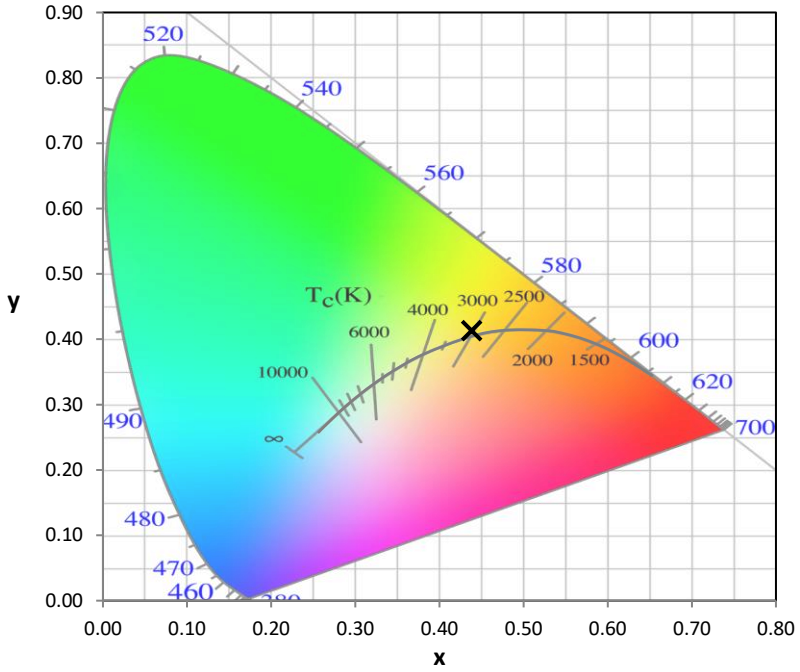
Stabilization Time:	20M
Operation Time:	1H 20M
Sphere Temperature (°C):	24.2

REPORT NUMBER: SP1-2408-195-9

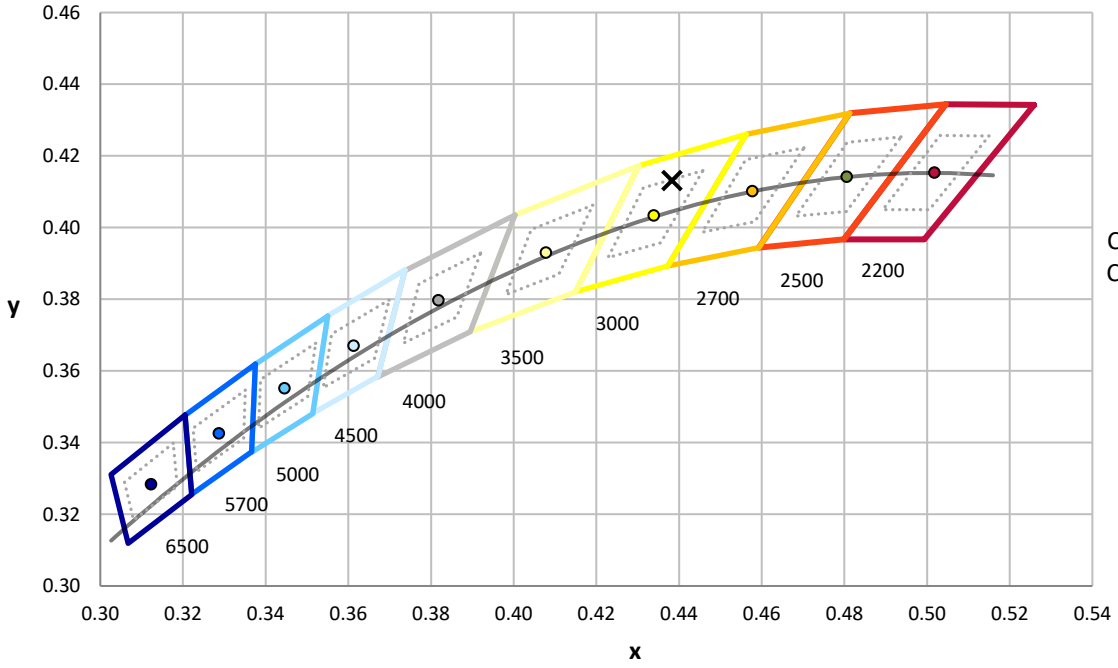
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

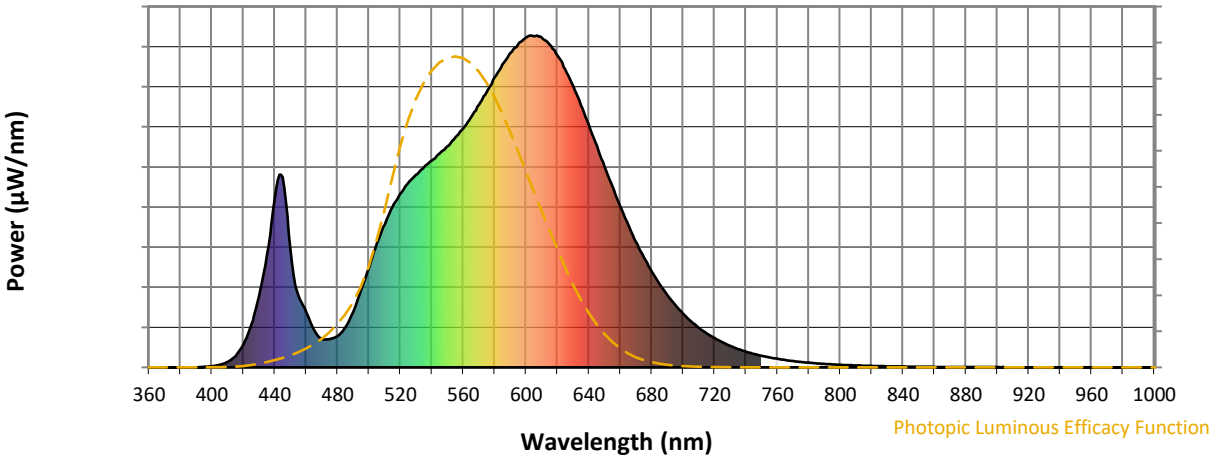


CCT = 3050K
CIE x = 0.4383
CIE y = 0.4131
Duv = 0.0034

Point lies inside the ANSI 3000K 4-step quadrangle

REPORT NUMBER: SP1-2408-195-9

Photopic Flux vs. Wavelength

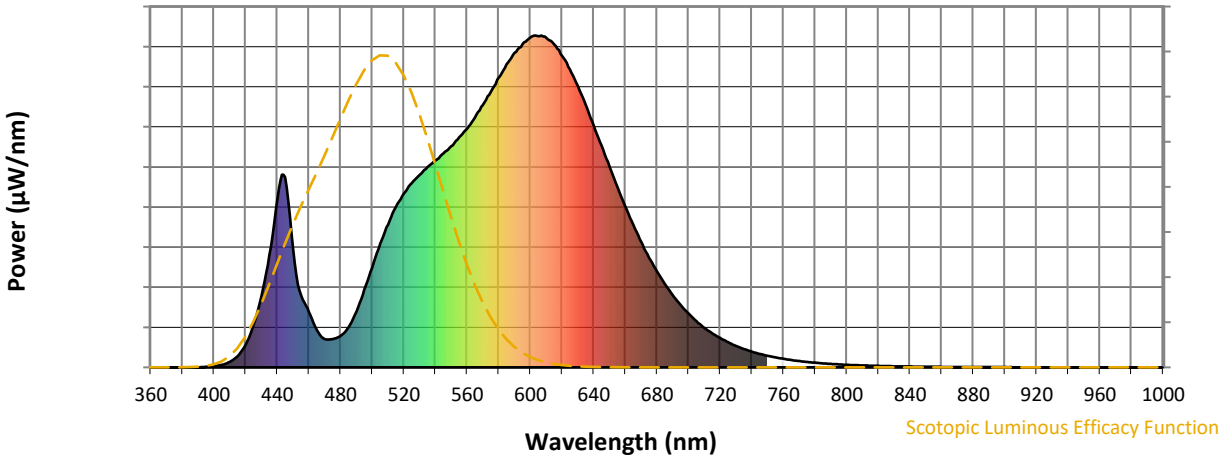


Photopic Lumens: NR

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

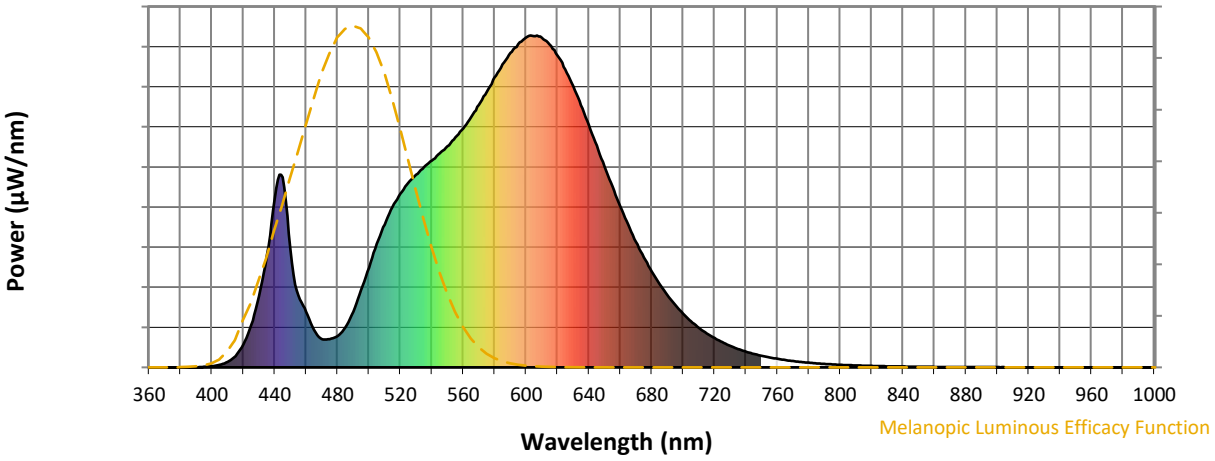


Scotopic Lumens: NR **S/P: 1.27**

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			

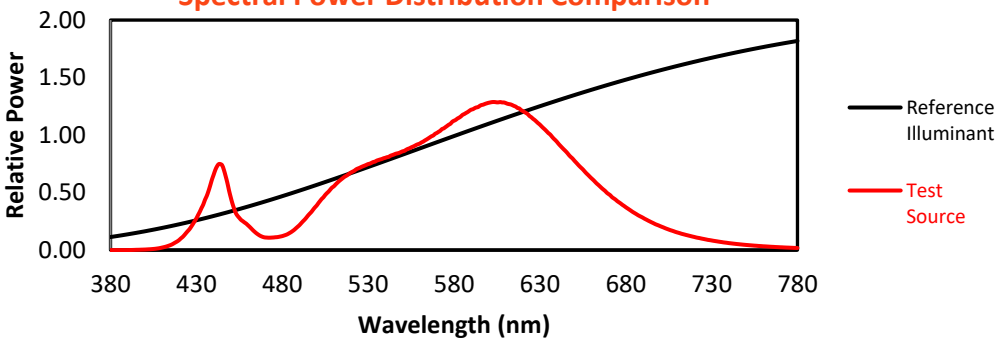
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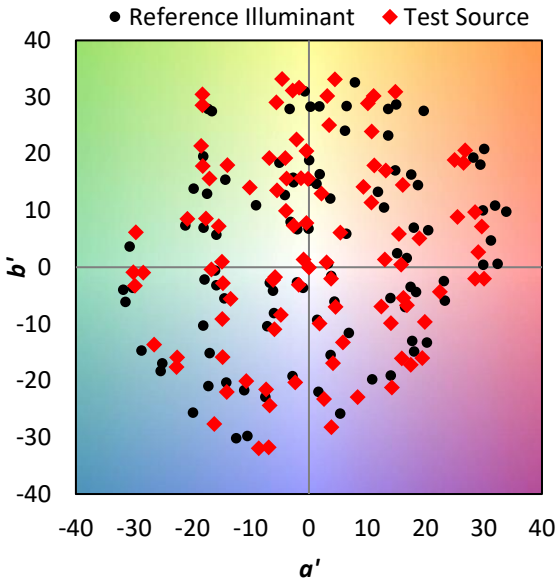
Summary

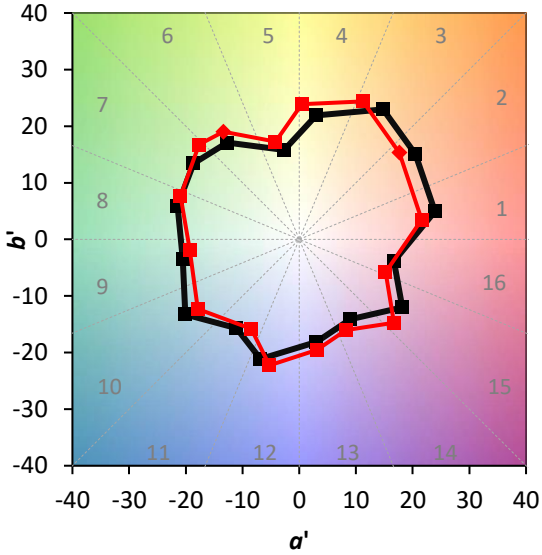
R_f = 81.5
R_g = 99.2
CIE R_a = 81.0
R_9 = 7.1

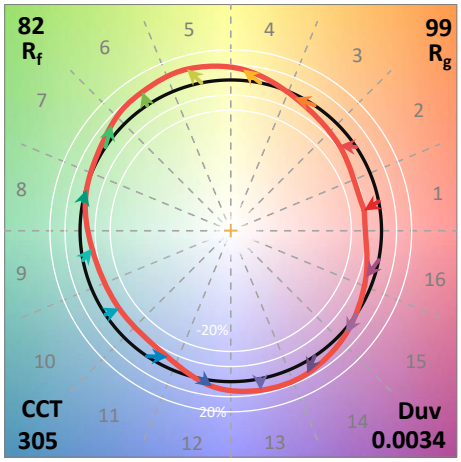
Spectral Power Distribution Comparison

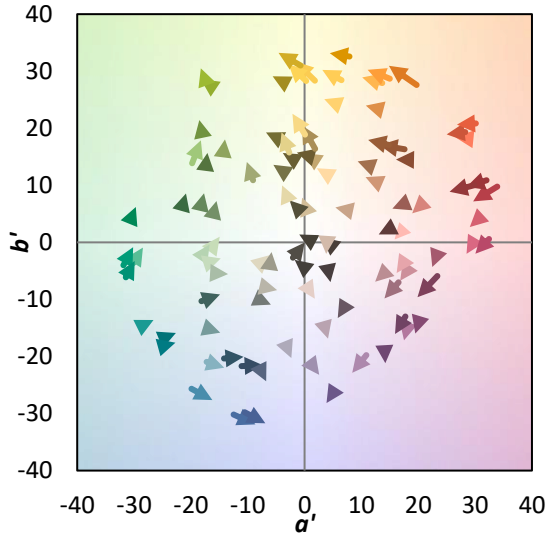


Color Vector Graphics







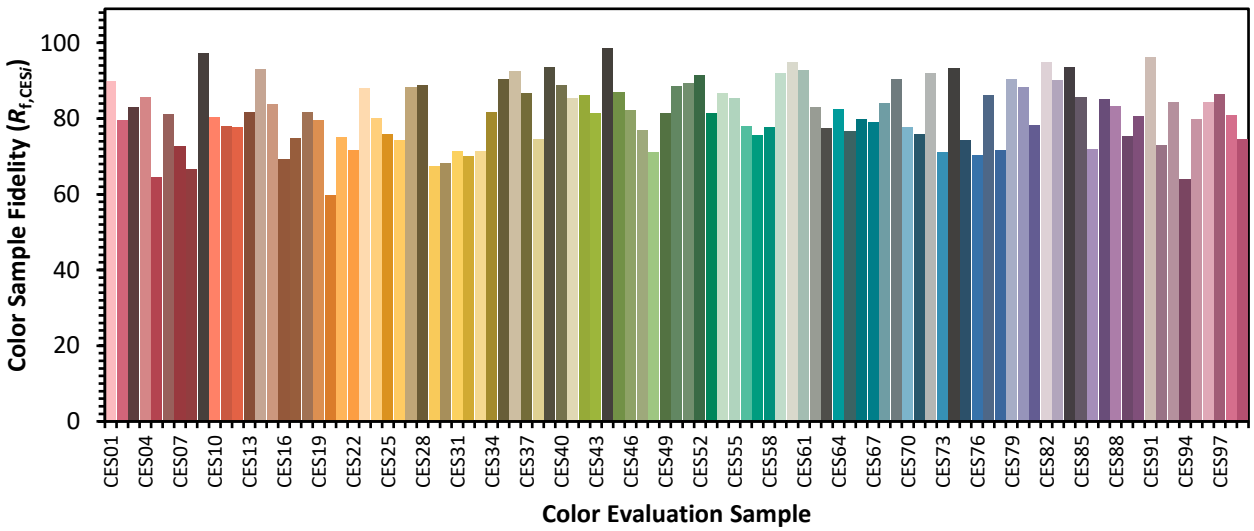


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Individual Sample Fidelity Index ($R_{f,i}$)

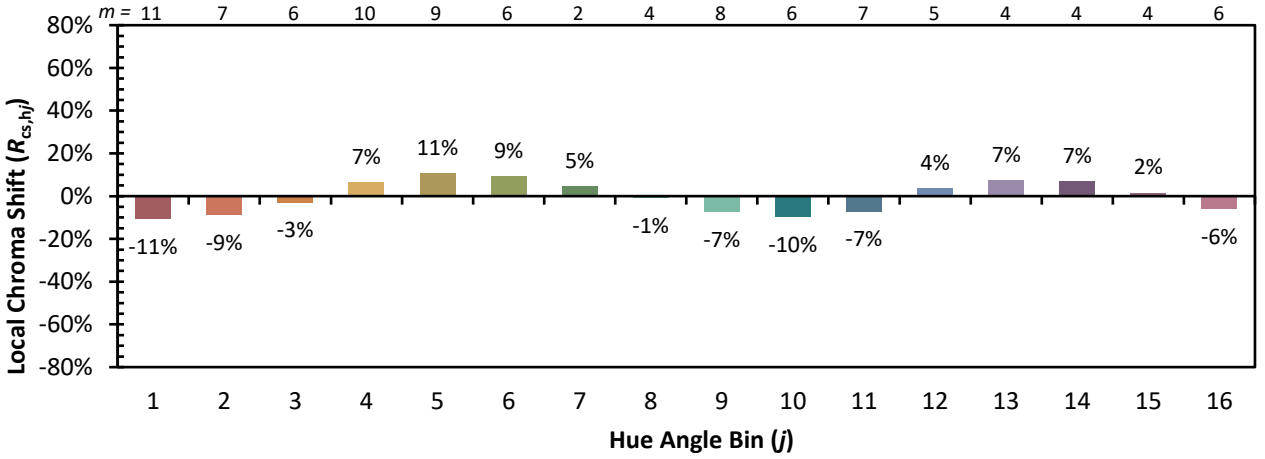
CES01 = 86	CES26 = 74	CES51 = 89	CES76 = 70
CES02 = 63	CES27 = 88	CES52 = 92	CES77 = 86
CES03 = 31	CES28 = 89	CES53 = 81	CES78 = 72
CES04 = 70	CES29 = 67	CES54 = 87	CES79 = 90
CES05 = 50	CES30 = 68	CES55 = 85	CES80 = 88
CES06 = 51	CES31 = 71	CES56 = 78	CES81 = 78
CES07 = 42	CES32 = 70	CES57 = 76	CES82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

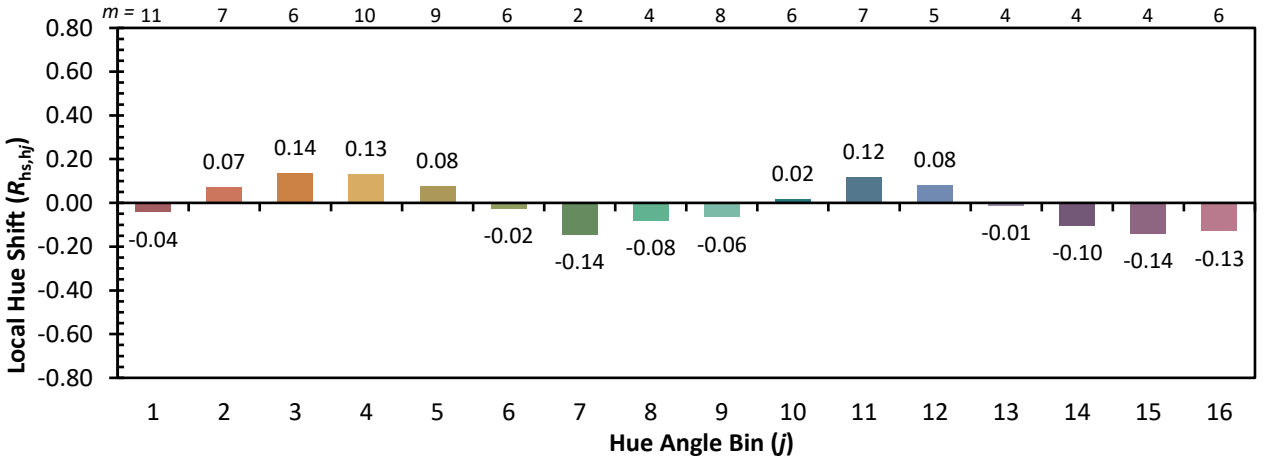


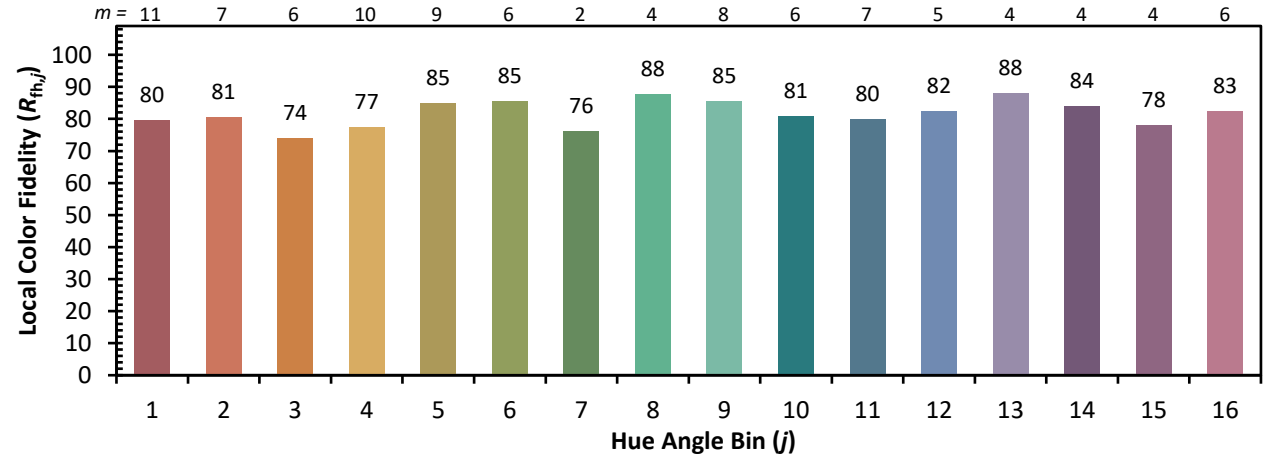
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Color Rendition by Hue-Angle Bin



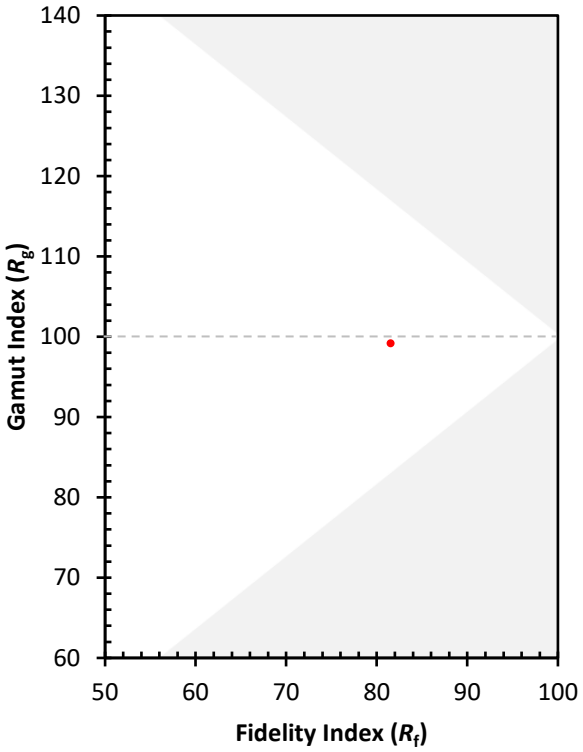


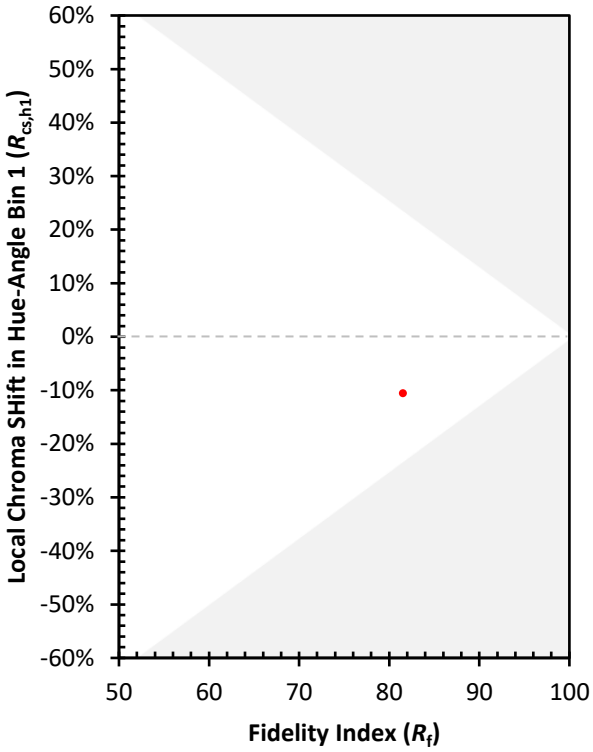


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Measure Comparisons





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