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: P1201238

Luminaire Tested: GWC-SB1A-830-U-SL2-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:	P1201238
	TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-11)
Test Lab:	INNOVATION CENTER
Issue Date:	3/14/2026
Manufacturer:	COOPER LIGHTING SOLUTIONS
Product Line:	McGRAW-EDISON
Catalog Number:	GWC-SB1A-830-U-SL2-HSS
Description:	GALLEON WALL LUMINAIRE
	(1) 80 CRI, 3000K, 350mA LIGHTSQUARE WITH 26 LEDS AND TYPE II SPILL LIGHT ELIMINATOR OPTICS WITH HOUSE SIDE SHIELD
Light Source:	-
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	3284 lumens
Efficiency:	N/A
Efficacy:	106.3 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):	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

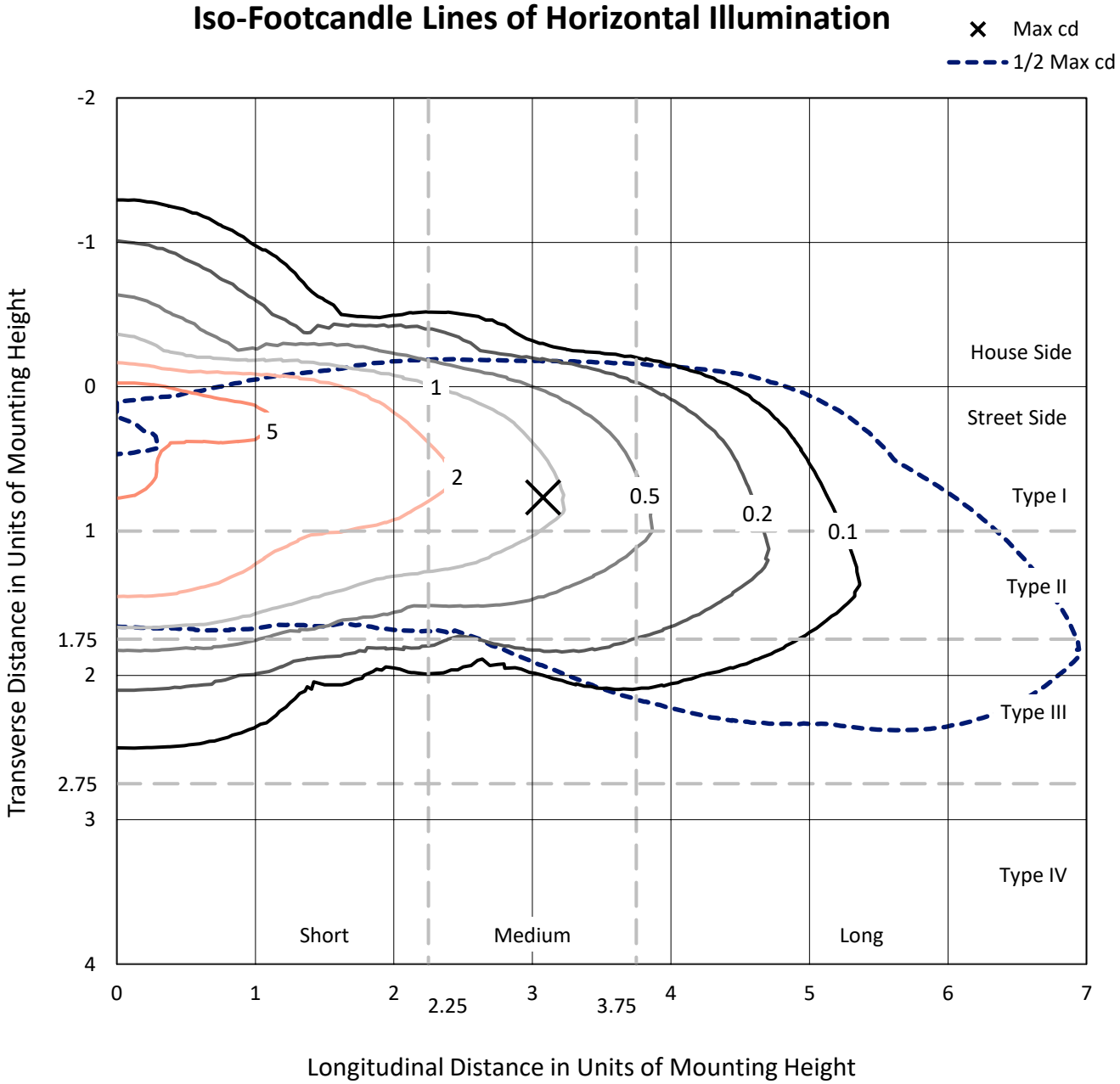


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Scaled Data Report

REPORT NUMBER: P1201238
CATALOG NUMBER: GWC-SB1A-830-U-SL2-HSS

Iso-Footcandle Lines of Horizontal Illumination



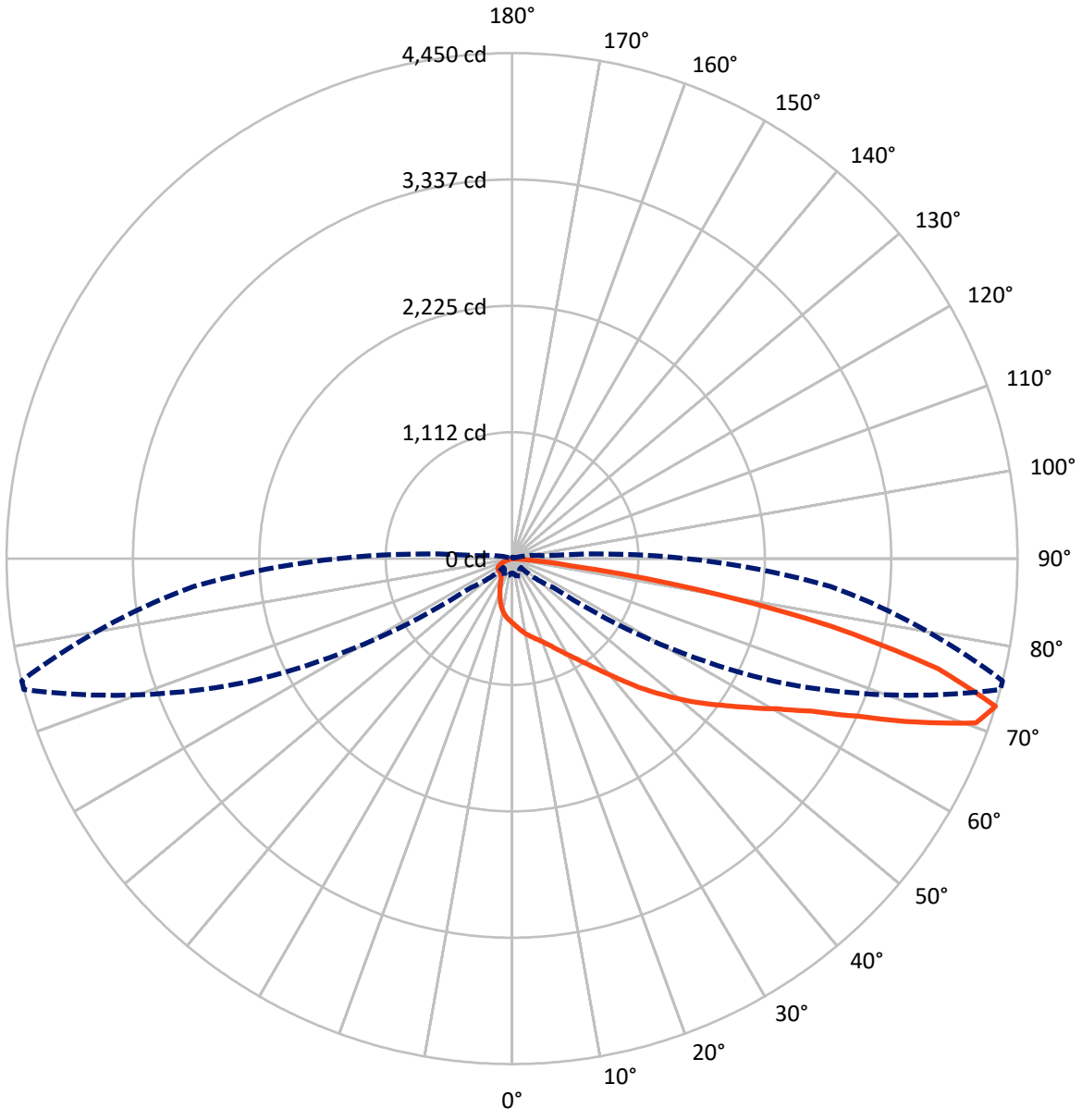
Based on 10 foot mounting height. Maximum calculated value = 4.9 fc
Type II - Medium - N/A

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REPORT NUMBER: P1201238
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Luminous Intensity Polar Plot



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Scaled Data Report

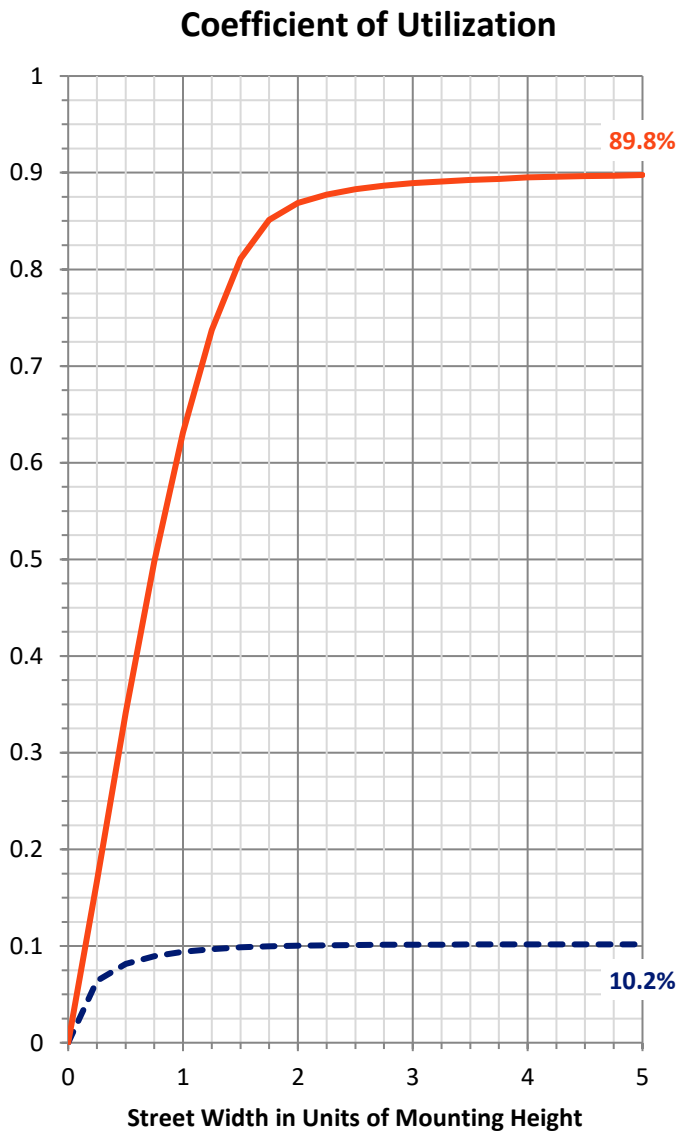
REPORT NUMBER: P1201238
CATALOG NUMBER: GWC-SB1A-830-U-SL2-HSS

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	336.1	0.0	336.1
	% Fixture	10.2	0.0	10.2
Street Side	Lumens	2947.9	0.0	2947.9
	% Fixture	89.8	0.0	89.8
Total	Lumens	3284.0	0.0	3284.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	51.6	1.6
10°-20°	138.4	4.2
20°-30°	219.0	6.7
30°-40°	338.9	10.3
40°-50°	514.7	15.7
50°-60°	709.6	21.6
60°-70°	749.6	22.8
70°-80°	514.3	15.7
80°-90°	47.9	1.5
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°	3284.0	100.0
0°-180°	3284.0	100.0



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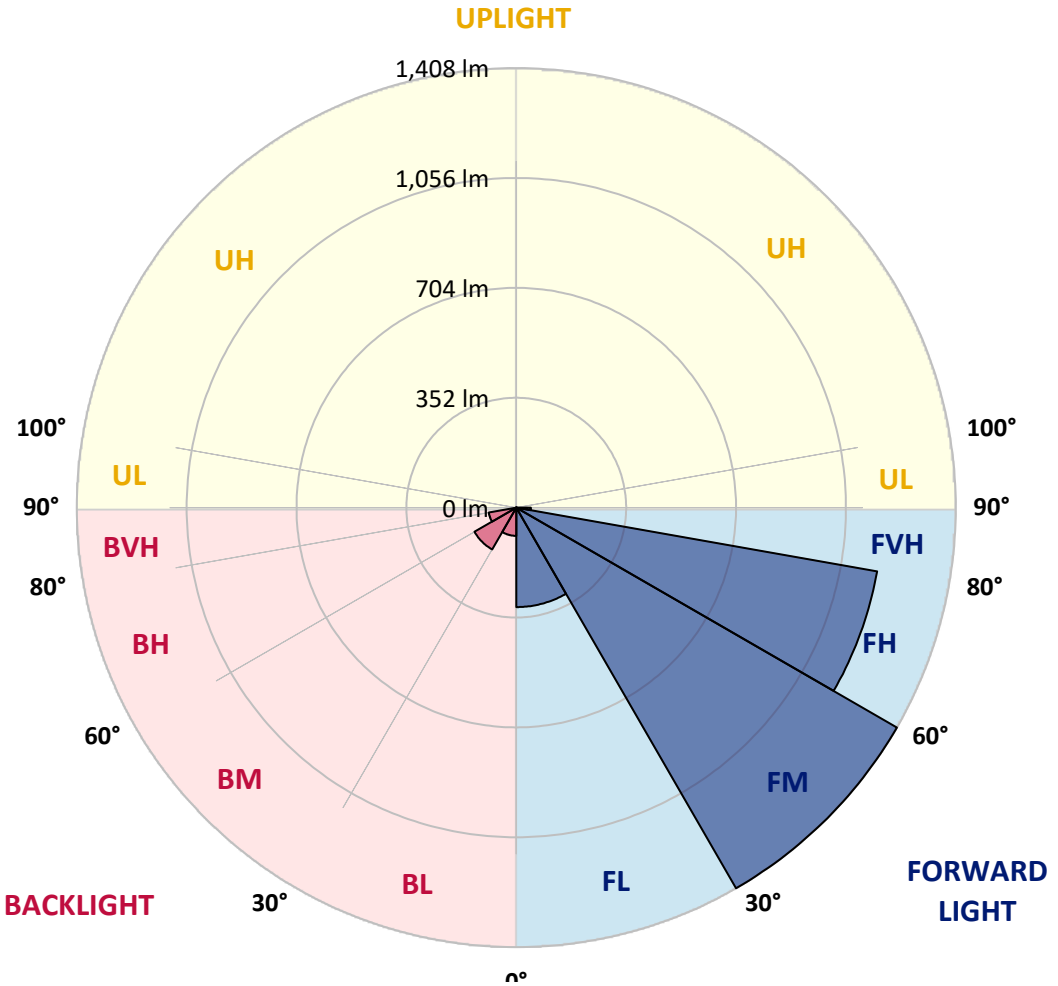
Scaled Data Report

REPORT NUMBER: P1201238
CATALOG NUMBER: GWC-SB1A-830-U-SL2-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	318.7	9.7			
FM	(30°-60°)	1408.4	42.9			
FH	(60°-80°)	1174.2	35.8			G1/1800
FVH	(80°-90°)	46.6	1.4			G1/100
BL	(0°-30°)	90.3	2.8	B0/110		
BM	(30°-60°)	154.8	4.7	B0/220		
BH	(60°-80°)	89.7	2.7	B0/110		G0/110
BVH	(80°-90°)	1.3	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: P1201238
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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	76°	85°
0°	567.5	567.5	567.5	567.5	567.5	567.5	567.5	567.5	567.5	*567.5*	567.5
2.5°	659.7	651.0	652.7	644.0	639.9	630.1	619.9	606.5	591.6	*591.6*	577.1
5°	729.2	723.7	723.7	713.4	705.5	690.2	671.9	648.2	620.1	*617.4*	589.9
7.5°	771.8	768.4	770.5	764.6	758.2	742.2	720.5	689.6	649.7	*646.3*	605.0
10°	780.1	779.9	785.9	787.6	791.8	783.7	764.3	728.8	678.9	*674.0*	618.0
12.5°	747.9	743.9	758.6	775.8	800.1	811.0	801.0	764.6	705.5	*698.7*	630.1
15°	695.1	696.0	710.0	736.6	777.1	815.9	828.9	799.5	732.6	*724.5*	641.6
17.5°	664.9	661.7	673.8	697.7	742.4	797.1	841.9	832.1	761.4	*752.2*	653.4
20°	661.2	661.0	663.8	674.7	708.7	770.3	840.4	863.8	795.2	*784.6*	670.2
22.5°	686.4	685.9	683.6	681.5	690.8	744.1	834.0	894.1	835.7	*824.2*	694.0
25°	724.9	724.3	720.7	707.7	698.5	730.0	828.0	922.2	883.6	*870.9*	723.0
27.5°	772.0	771.6	765.0	745.4	721.7	731.3	825.1	951.2	939.0	*926.5*	756.5
30°	829.7	828.9	815.3	787.6	756.7	751.6	829.1	983.8	996.8	*987.2*	795.0
32.5°	902.2	899.8	881.9	840.2	796.9	778.6	836.8	1017.2	1065.1	*1056.2*	846.6
35°	958.2	954.6	944.1	907.3	843.6	811.8	854.7	1056.8	1147.4	*1139.5*	912.4
37.5°	1006.3	1002.7	994.2	963.9	910.5	854.2	883.4	1109.7	1244.5	*1240.7*	992.7
40°	1058.3	1052.4	1048.3	1015.9	967.6	915.4	924.5	1171.4	1356.3	*1356.8*	1089.2
42.5°	1098.4	1096.0	1096.4	1071.5	1022.7	987.8	979.1	1241.1	1490.3	*1494.4*	1205.3
45°	1132.7	1130.7	1138.6	1121.2	1078.3	1035.3	1043.0	1319.9	1636.9	*1645.2*	1335.3
47.5°	1159.1	1161.2	1172.5	1161.2	1136.1	1068.8	1099.6	1404.9	1790.9	*1792.0*	1469.5
50°	1185.5	1186.3	1205.1	1199.6	1189.3	1111.1	1151.8	1499.9	1953.2	*1955.2*	1594.9
52.5°	1193.8	1192.5	1222.3	1236.0	1236.4	1163.6	1219.4	1603.5	2112.4	*2118.6*	1724.0
55°	1151.2	1154.8	1203.0	1258.4	1280.3	1236.0	1310.5	1734.5	2281.9	*2284.5*	1851.8
57.5°	942.9	962.9	1069.4	1197.9	1308.6	1339.7	1441.6	1887.6	2477.7	*2475.4*	1981.4
60°	572.2	596.0	723.4	1004.6	1216.2	1443.9	1634.6	2124.9	2691.6	*2685.0*	2112.4
62.5°	320.0	327.2	367.9	601.4	925.0	1377.6	1823.1	2429.8	2978.8	*2956.4*	2241.3
65°	235.8	238.2	247.8	294.6	454.6	1059.6	1781.8	2794.3	3382.2	*3342.4*	2395.7
67.5°	204.9	207.3	216.6	223.0	203.0	556.6	1468.0	2996.4	3894.6	*3842.4*	2604.7
70°	172.6	173.8	189.0	193.2	145.3	211.7	943.1	2934.0	4368.8	*4331.5*	2829.0
72.5°	*128.7*	*133.8*	*155.7*	*165.9*	*116.5*	*112.5*	*443.9*	*2565.3*	*4449.1*	*4449.5*	*2813.9*
75°	87.3	92.0	117.2	136.6	89.9	78.8	179.2	1915.5	3874.1	*3874.1*	2466.6
77.5°	59.6	63.5	81.6	107.2	68.2	54.1	92.9	1215.7	2779.4	*2877.1*	1758.1
80°	26.4	28.8	52.6	77.8	51.8	34.9	52.6	665.7	1680.8	*1660.1*	689.1
82.5°	13.0	14.9	33.7	48.6	33.4	21.5	27.7	316.6	544.7	*517.7*	107.6
85°	2.6	3.4	18.1	20.7	15.6	9.6	10.4	97.4	65.6	*75.0*	22.8
87.5°	0.0	0.0	5.5	3.8	1.7	2.1	2.1	8.7	5.1	*6.0*	6.0
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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Scaled Data Report

REPORT NUMBER: P1201238
CATALOG NUMBER: GWC-SB1A-830-U-SL2-HSS

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	567.5	567.5	567.5	567.5	567.5	567.5	567.5	567.5	567.5	567.5	567.5
2.5°	569.4	561.5	544.3	527.2	509.8	493.8	482.7	471.6	464.8	461.8	462.3
5°	573.9	557.9	521.7	483.8	446.3	409.7	382.2	356.4	348.3	334.9	335.7
7.5°	580.9	554.9	497.8	433.9	373.0	319.3	280.6	249.7	237.3	225.4	225.2
10°	585.6	549.4	466.3	380.9	298.5	238.2	201.1	178.7	170.6	163.4	163.2
12.5°	587.5	539.2	430.1	321.5	232.2	181.5	159.3	148.9	146.1	143.6	143.6
15°	589.2	529.2	389.6	264.2	183.4	151.9	143.2	139.7	137.8	136.1	136.1
17.5°	590.7	516.4	343.4	214.7	154.9	140.0	135.7	132.1	130.6	128.7	128.7
20°	595.8	504.0	302.1	177.2	139.3	131.4	126.8	122.9	121.6	120.4	120.6
22.5°	605.4	494.0	262.0	151.9	129.9	122.7	116.7	112.5	111.6	110.8	110.1
25°	616.9	481.7	224.3	135.5	120.8	112.7	106.1	102.5	101.6	101.8	101.4
27.5°	631.6	468.0	191.9	125.0	112.7	103.3	95.9	93.1	93.5	94.4	93.9
30°	647.8	455.5	166.6	117.8	105.4	95.0	87.6	85.6	87.1	88.4	88.0
32.5°	671.9	444.4	148.9	112.1	99.1	88.2	82.2	79.9	81.6	83.3	82.9
35°	704.7	438.8	138.9	107.2	93.5	82.9	76.9	75.2	76.9	77.3	77.1
37.5°	745.0	438.4	134.6	103.1	88.4	78.4	71.8	71.2	72.4	72.6	72.2
40°	796.9	441.2	131.4	100.1	83.1	73.3	67.1	66.5	66.9	68.4	68.2
42.5°	862.8	452.7	127.0	96.3	77.3	68.2	63.3	61.8	61.6	63.3	63.1
45°	945.4	478.0	121.0	90.1	72.2	63.9	59.0	57.3	56.7	57.1	57.7
47.5°	1035.5	509.1	115.0	84.4	68.6	60.5	55.6	53.5	52.4	52.4	52.4
50°	1122.9	544.3	111.0	78.4	66.0	57.3	52.0	49.8	48.1	47.7	47.5
52.5°	1209.4	578.8	107.8	72.4	63.1	53.3	48.6	46.2	44.3	43.5	43.0
55°	1288.2	611.6	102.3	66.7	59.2	49.0	45.2	42.8	40.5	39.0	38.3
57.5°	1363.8	638.9	92.0	60.7	53.3	44.9	41.5	39.0	36.2	34.3	33.4
60°	1432.6	652.9	79.2	54.3	47.3	40.7	37.5	35.1	31.5	28.3	27.5
62.5°	1485.0	647.4	65.4	47.1	41.1	36.9	32.8	30.5	26.2	22.4	20.9
65°	1538.7	617.1	52.2	39.4	36.0	31.7	27.5	25.1	20.2	16.2	15.1
67.5°	1608.4	552.6	41.1	32.8	31.1	25.1	21.5	20.0	16.6	12.8	11.9
70°	1653.1	429.2	32.0	26.6	25.6	18.3	16.6	16.4	13.2	9.8	8.7
72.5°	*1530.4*	*281.4*	*24.5*	*20.2*	*18.3*	*11.9*	*12.8*	*12.8*	*9.6*	*6.6*	*5.8*
75°	1277.5	164.7	17.7	14.5	10.4	7.7	8.7	8.7	6.0	3.2	2.6
77.5°	912.4	87.8	11.7	8.9	5.3	3.4	4.7	4.5	1.9	0.2	0.0
80°	348.9	30.2	5.5	3.6	1.5	0.6	0.4	0.2	0.2	0.0	0.0
82.5°	53.3	7.9	1.1	0.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	9.6	1.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	2.1	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

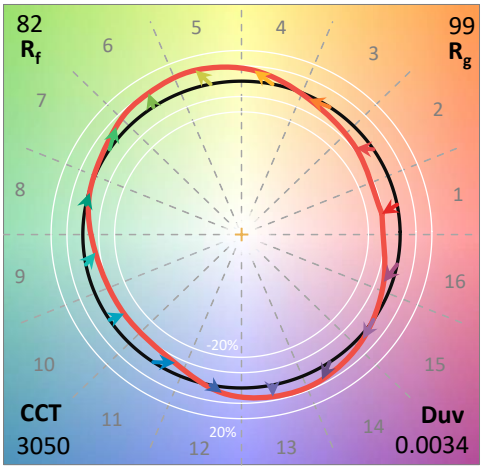
Test Information

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

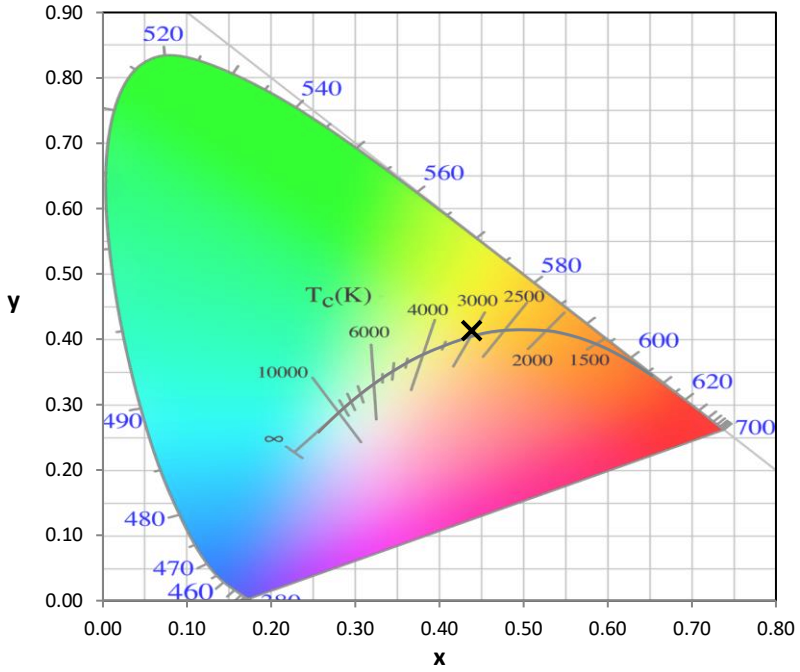
Stabilization Time:	20M
Operation Time:	1H 20M
Sphere Temperature (°C):	24.2

REPORT NUMBER: SP1-2408-195-9

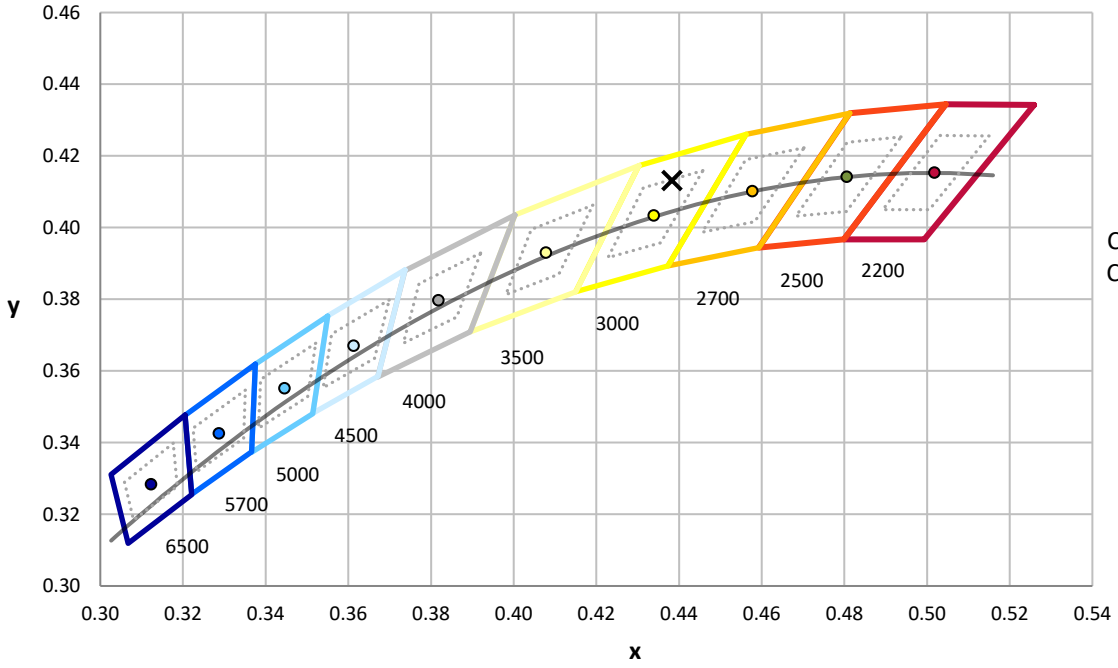
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

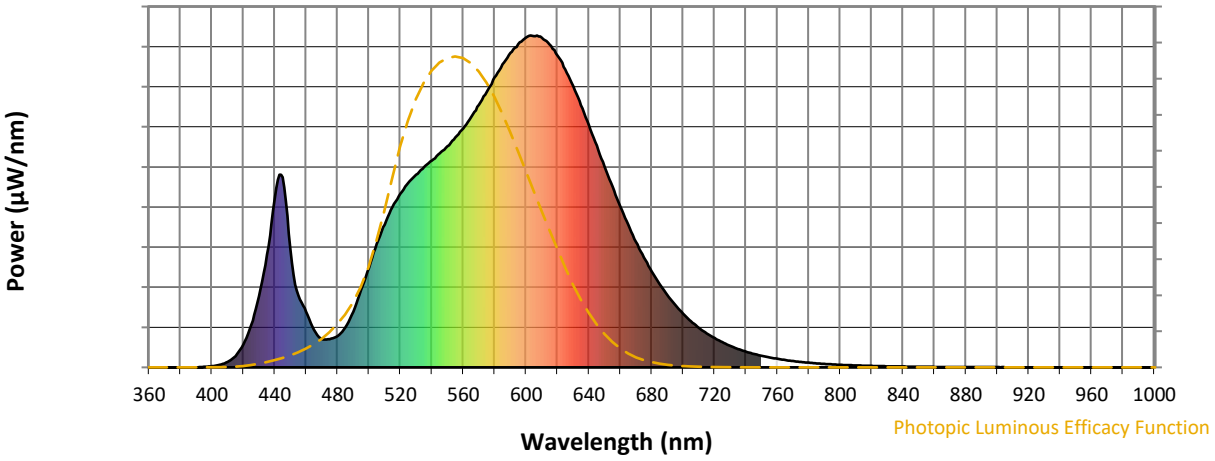


CCT = 3050K
CIE x = 0.4383
CIE y = 0.4131
Duv = 0.0034

Point lies inside the ANSI 3000K 4-step quadrangle

REPORT NUMBER: SP1-2408-195-9

Photopic Flux vs. Wavelength

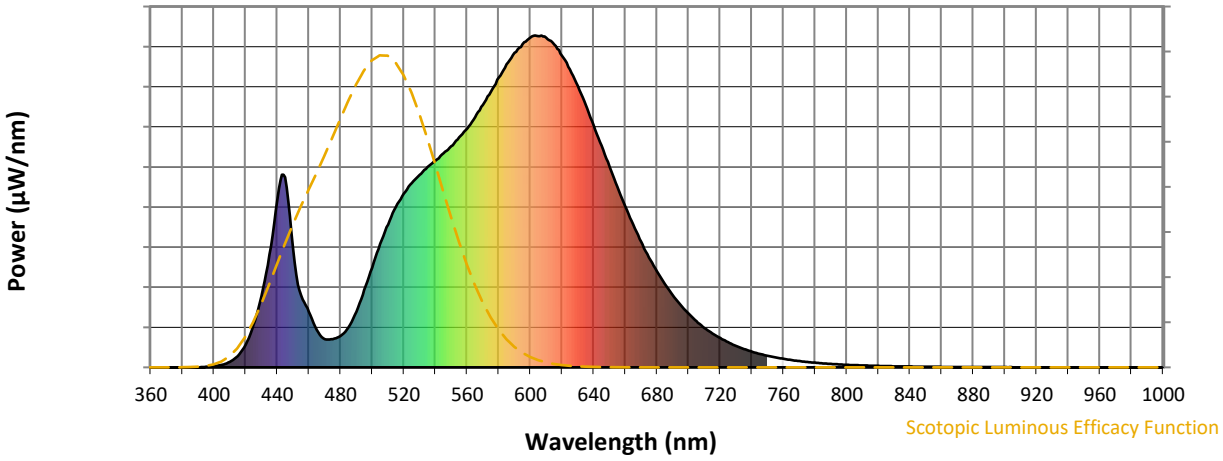


Photopic Lumens: NR

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

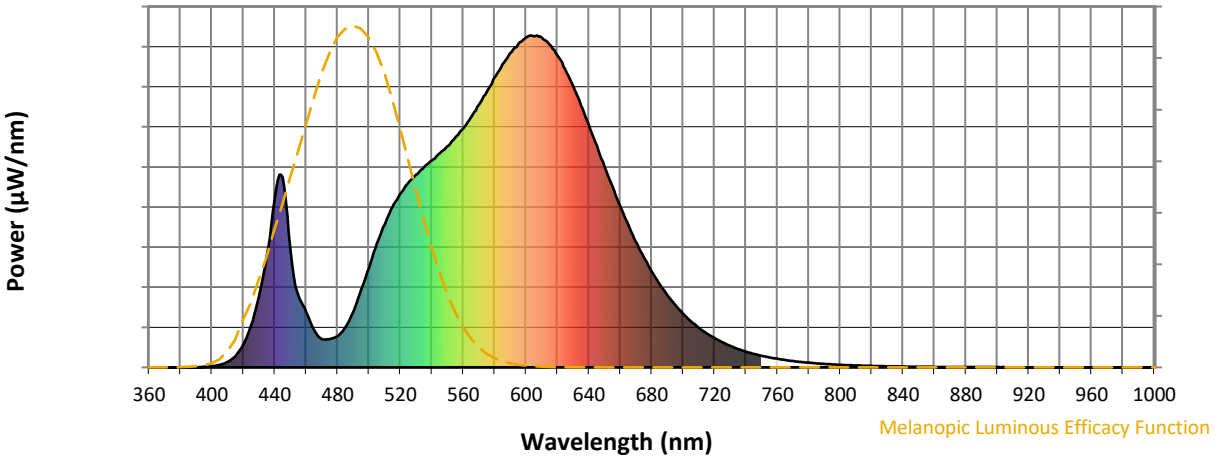


Scotopic Lumens: NR **S/P: 1.27**

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			

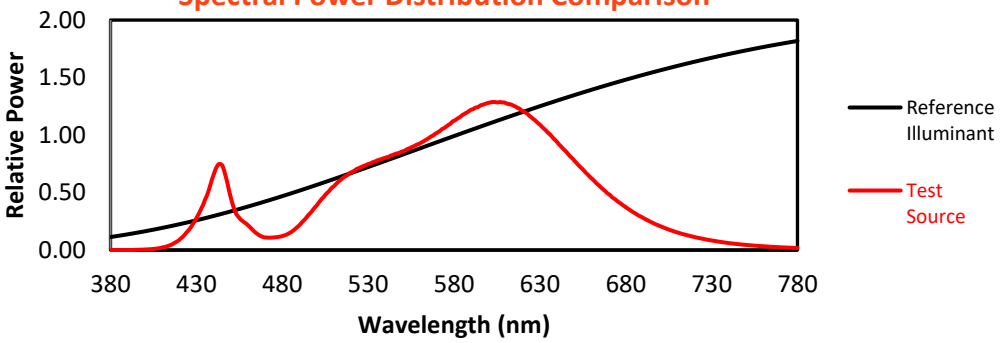
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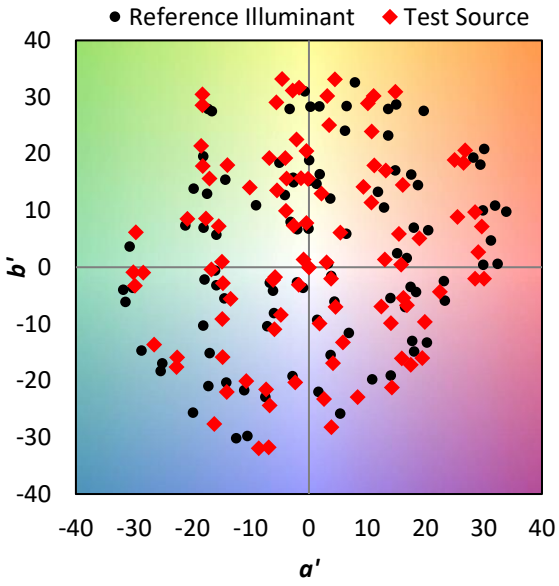
Summary

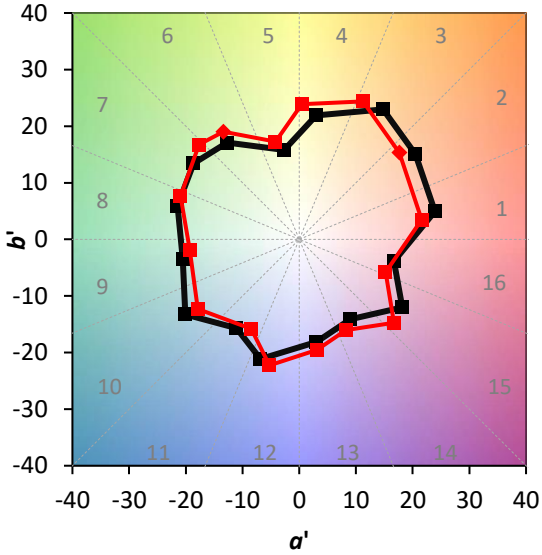
R_f = 81.5
R_g = 99.2
CIE R_a = 81.0
R_9 = 7.1

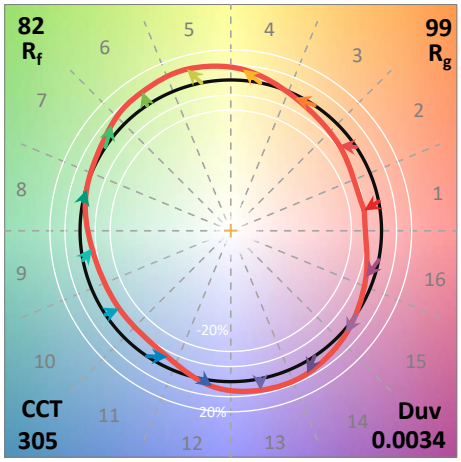
Spectral Power Distribution Comparison

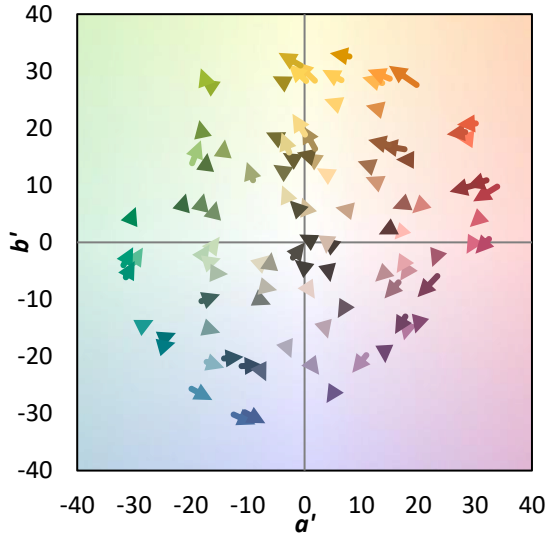


Color Vector Graphics







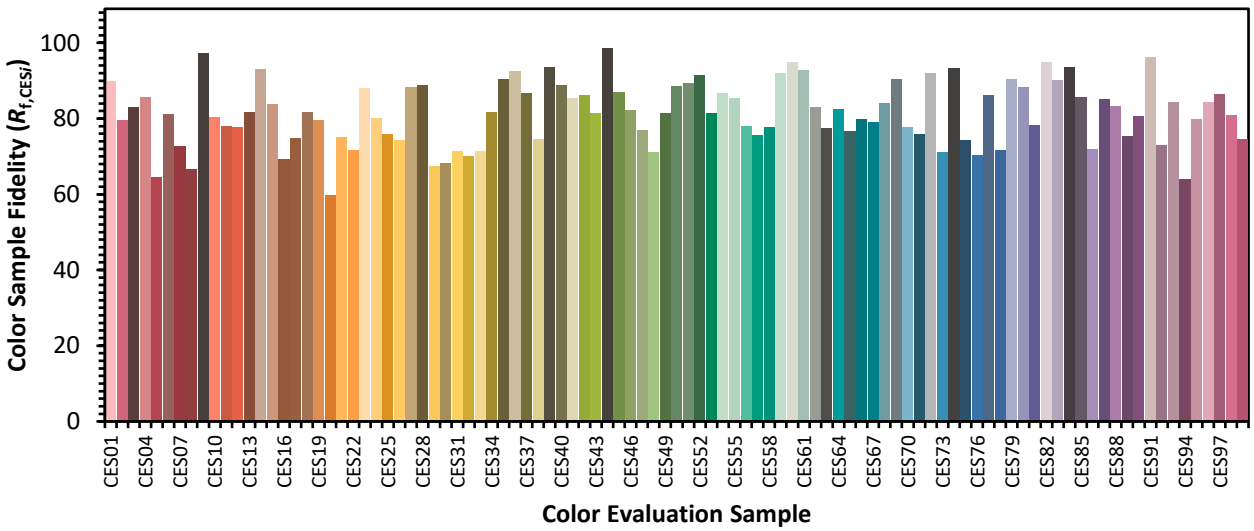


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Individual Sample Fidelity Index ($R_{f,i}$)

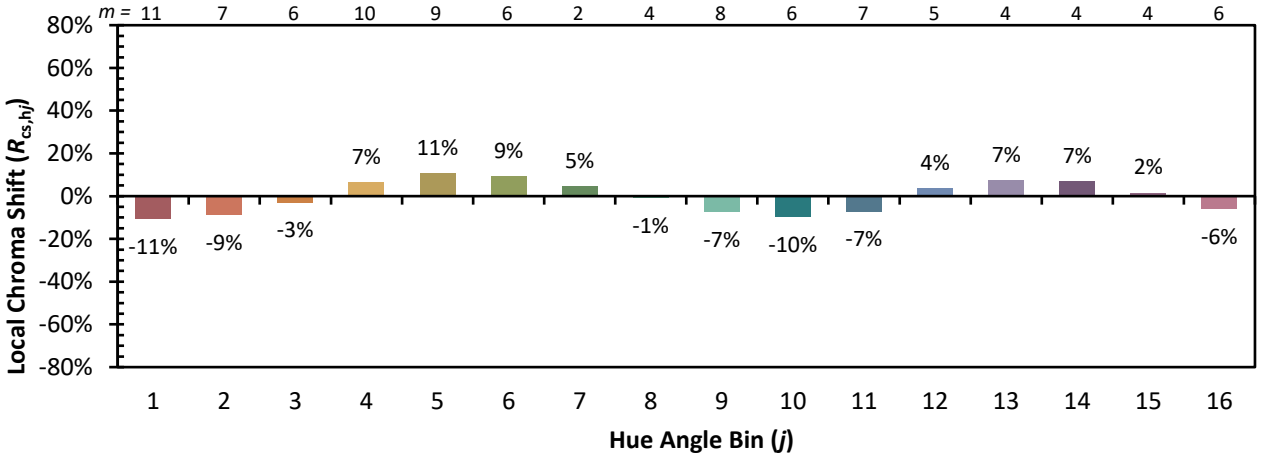
CES01 = 86	CES26 = 74	CES51 = 89	CES76 = 70
CES02 = 63	CES27 = 88	CES52 = 92	CES77 = 86
CES03 = 31	CES28 = 89	CES53 = 81	CES78 = 72
CES04 = 70	CES29 = 67	CES54 = 87	CES79 = 90
CES05 = 50	CES30 = 68	CES55 = 85	CES80 = 88
CES06 = 51	CES31 = 71	CES56 = 78	CES81 = 78
CES07 = 42	CES32 = 70	CES57 = 76	CES82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

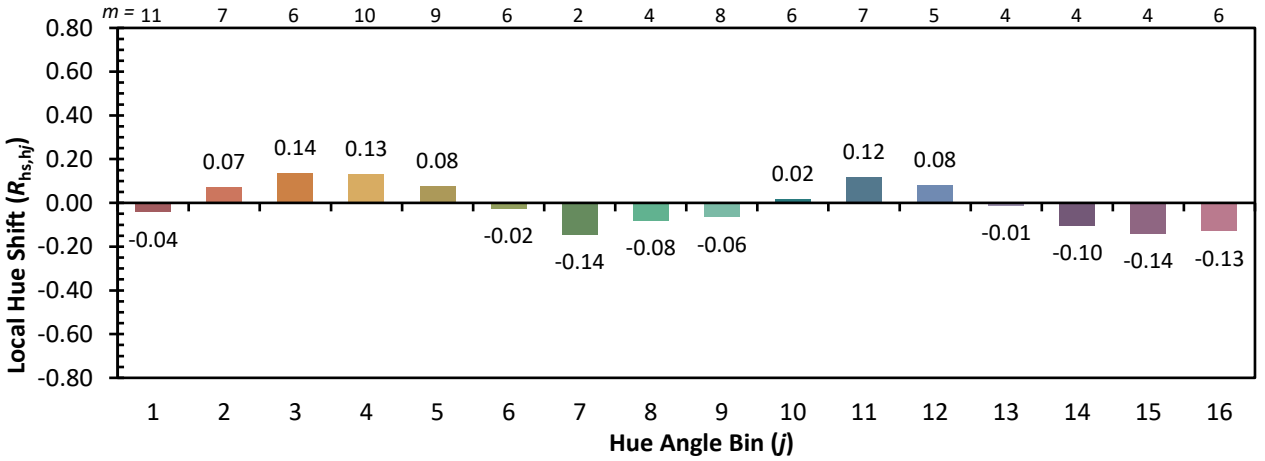


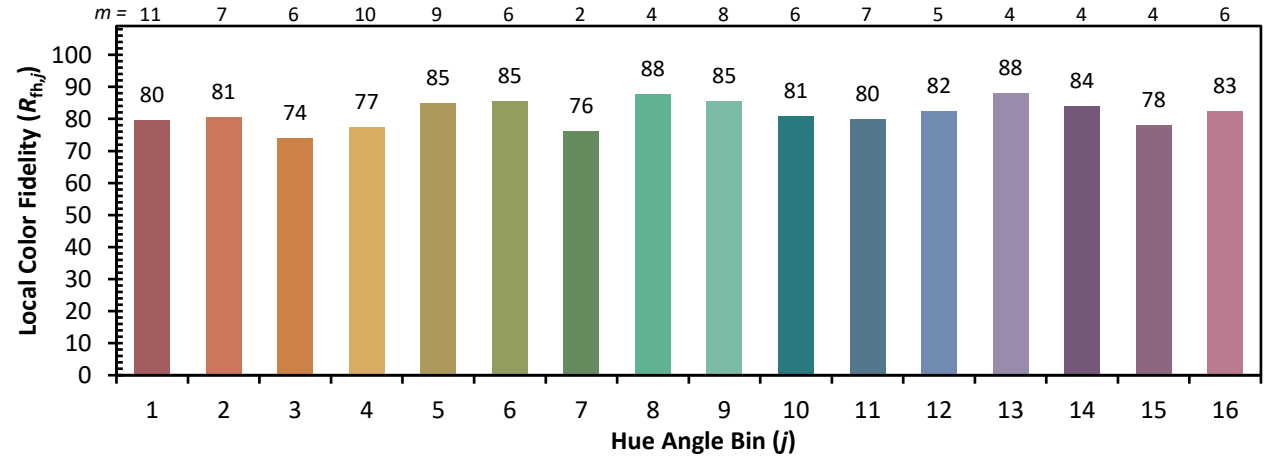
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Color Rendition by Hue-Angle Bin



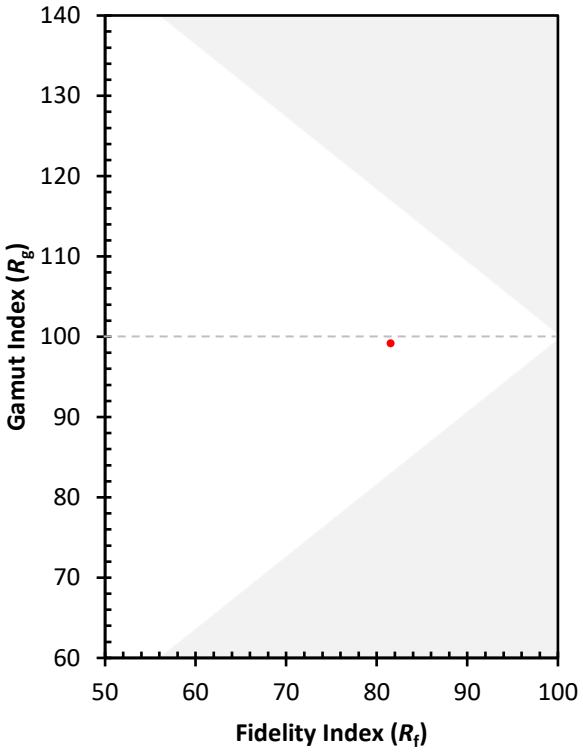


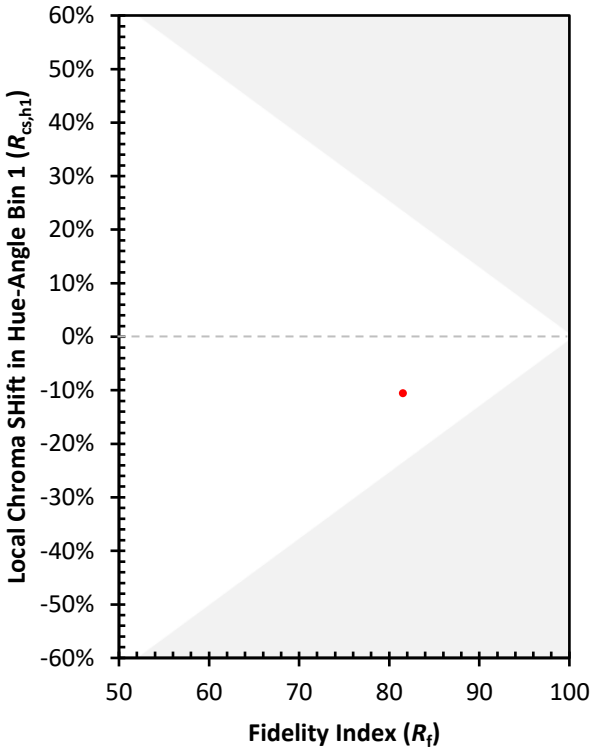


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Measure Comparisons





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