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: P1201254

Luminaire Tested: GWC-SB1A-830-U-T4W-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:	P1201254
	TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-2)
Test Lab:	INNOVATION CENTER
Issue Date:	3/14/2026
Manufacturer:	COOPER LIGHTING SOLUTIONS
Product Line:	McGRAW-EDISON
Catalog Number:	GWC-SB1A-830-U-T4W-HSS
Description:	GALLEON WALL LUMINAIRE
	(1) 80 CRI, 3000K, 350mA LIGHTSQUARE WITH 26 LEDS AND TYPE IV WIDE OPTICS WITH HOUSE SIDE SHIELD
Light Source:	-
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	3122 lumens
Efficiency:	N/A
Efficacy:	101.0 lumens/watt
Luminous Opening:	Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification:	Type IV - Short
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

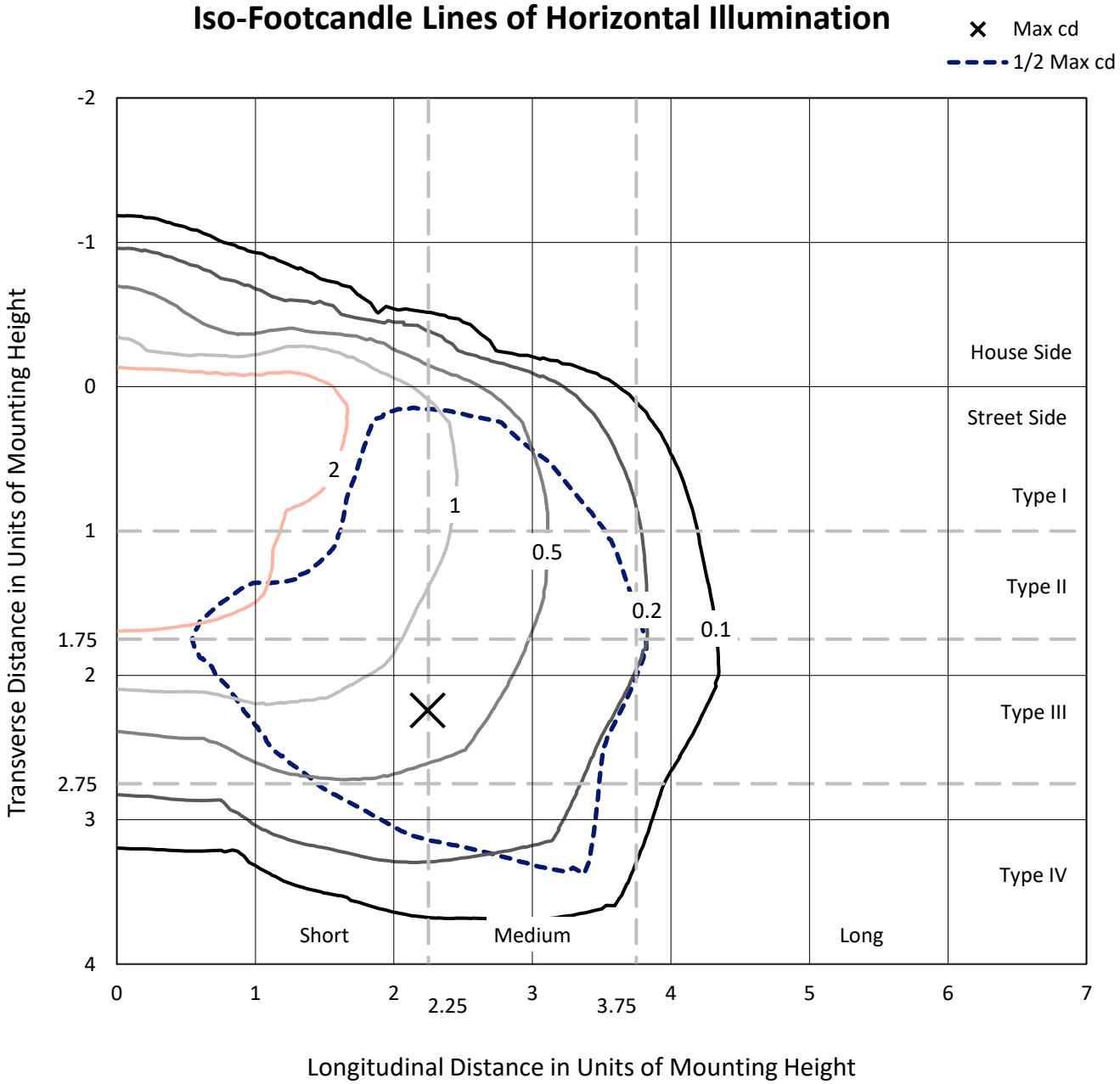


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Scaled Data Report

REPORT NUMBER: P1201254
CATALOG NUMBER: GWC-SB1A-830-U-T4W-HSS

Iso-Footcandle Lines of Horizontal Illumination



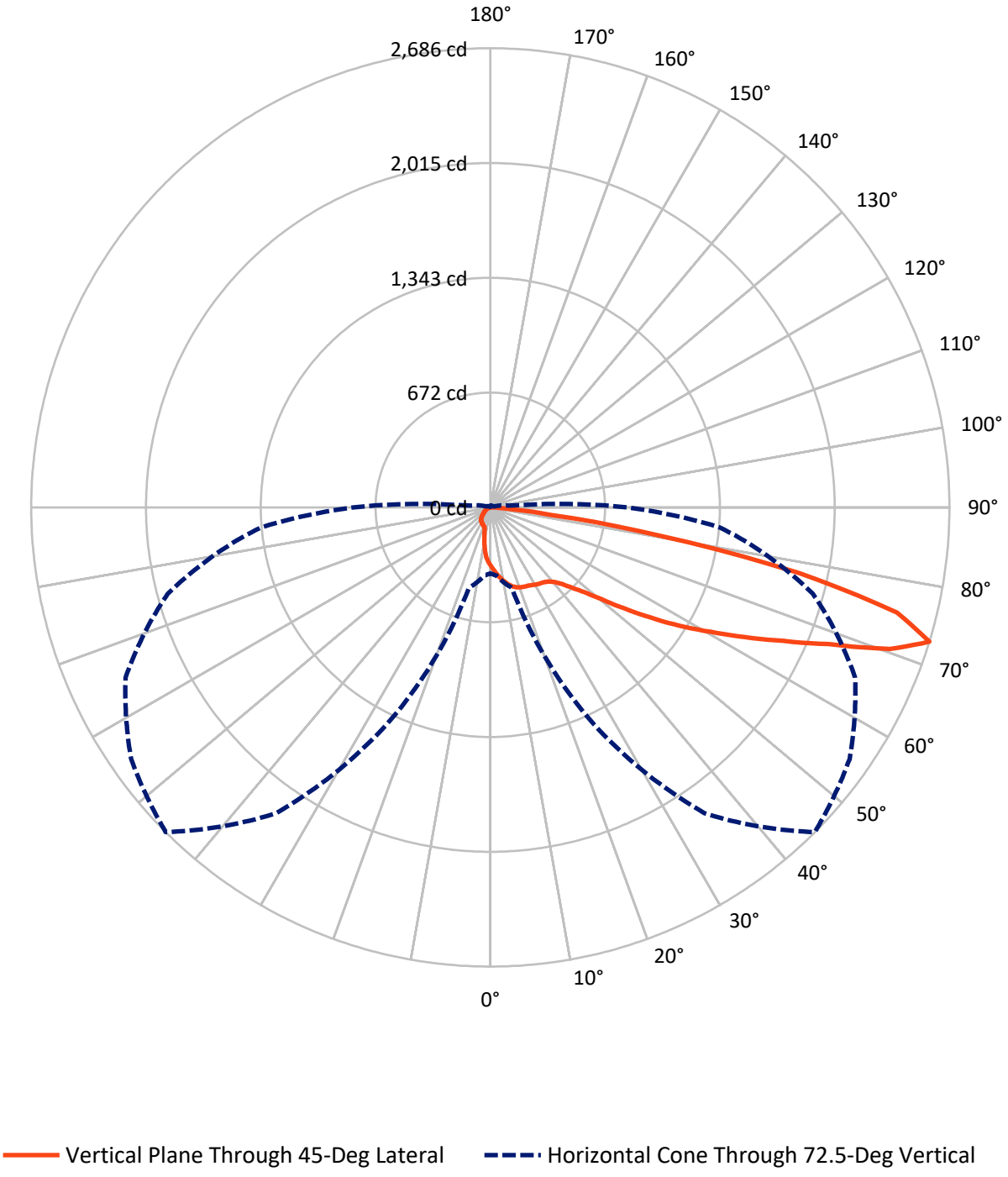
Based on 10 foot mounting height. Maximum calculated value = 5.9 fc
Type IV - Short - N/A

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REPORT NUMBER: P1201254
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Luminous Intensity Polar Plot



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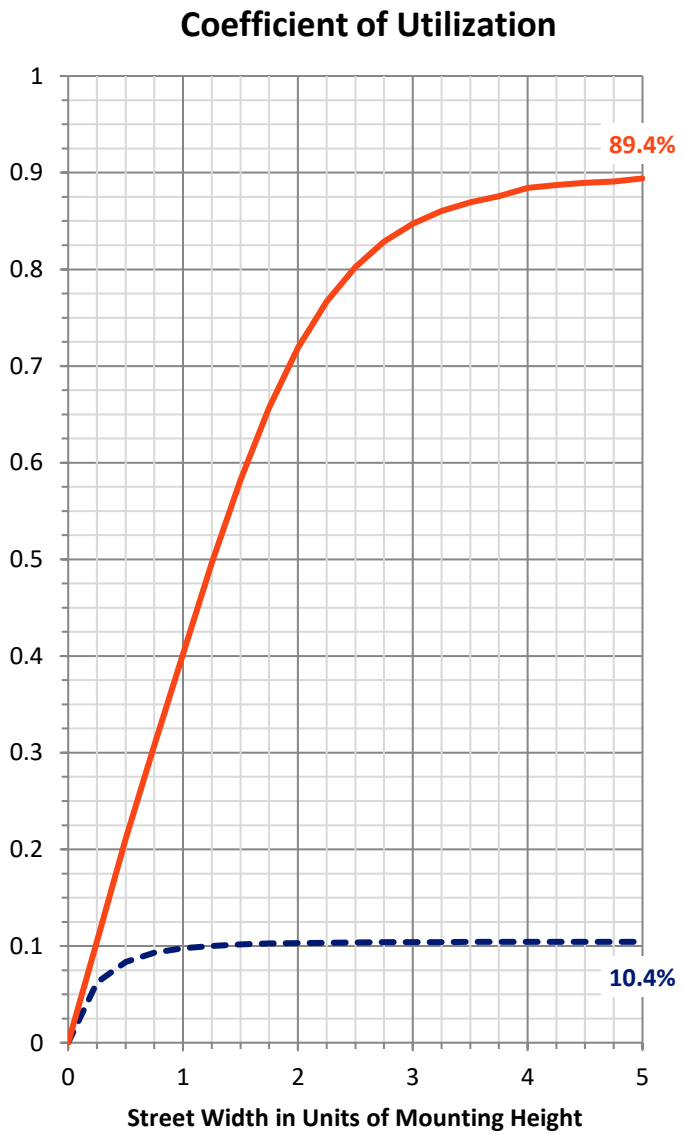
REPORT NUMBER: P1201254
CATALOG NUMBER: GWC-SB1A-830-U-T4W-HSS

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	328.0	0.0	328.0
	% Fixture	10.5	0.0	10.5
Street Side	Lumens	2794.0	0.0	2794.0
	% Fixture	89.5	0.0	89.5
Total	Lumens	3122.0	0.0	3122.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	32.2	1.0
10°-20°	94.2	3.0
20°-30°	154.7	5.0
30°-40°	219.3	7.0
40°-50°	362.6	11.6
50°-60°	651.3	20.9
60°-70°	904.3	29.0
70°-80°	656.0	21.0
80°-90°	47.4	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°	3122.0	100.0
0°-180°	3122.0	100.0



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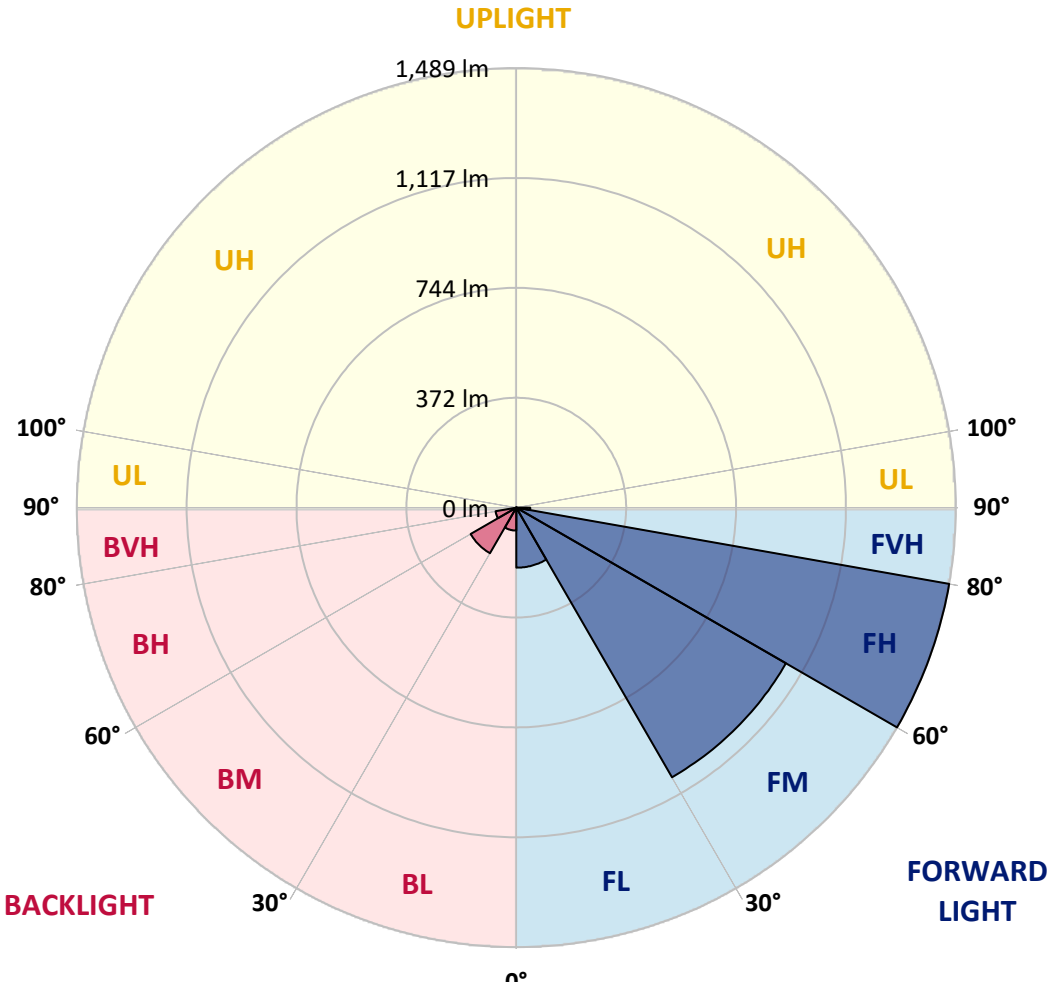
Scaled Data Report

REPORT NUMBER: P1201254
CATALOG NUMBER: GWC-SB1A-830-U-T4W-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	203.4	6.5			
FM	(30°-60°)	1054.8	33.8			
FH	(60°-80°)	1488.8	47.7			G1/1800
FVH	(80°-90°)	47.0	1.5			G1/100
BL	(0°-30°)	77.7	2.5	B0/110		
BM	(30°-60°)	178.4	5.7	B0/220		
BH	(60°-80°)	71.5	2.3	B0/110		G0/110
BVH	(80°-90°)	0.4	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 IV Short



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REPORT NUMBER: P1201254
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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	46°	55°	65°	75°	85°
0°	342.0	342.0	342.0	342.0	342.0	*342.0*	342.0	342.0	342.0	342.0	342.0
2.5°	373.6	374.2	373.8	371.2	367.0	*364.6*	363.3	359.1	356.3	351.4	346.3
5°	407.9	410.4	408.9	403.8	395.7	*390.0*	388.3	379.5	371.6	362.5	351.8
7.5°	444.3	445.6	442.8	436.2	425.3	*415.5*	414.0	401.9	389.3	375.3	360.8
10°	475.8	477.3	473.1	463.5	451.1	*439.0*	436.9	423.4	408.5	391.2	372.7
12.5°	502.3	503.8	498.2	486.7	473.1	*460.5*	458.4	444.3	427.9	408.7	385.7
15°	522.3	525.1	517.6	505.3	490.6	*478.0*	476.9	463.1	447.1	425.8	401.3
17.5°	534.0	536.8	529.8	514.8	502.3	*491.6*	490.3	478.8	463.9	443.5	416.4
20°	535.9	538.5	531.0	518.0	507.6	*499.1*	498.4	490.1	479.3	459.7	432.8
22.5°	530.2	533.4	526.6	516.1	508.9	*504.4*	503.5	498.9	492.7	476.1	448.1
25°	524.2	526.8	521.7	512.5	508.7	*508.2*	508.9	508.0	506.7	492.7	466.0
27.5°	523.8	526.6	520.8	512.1	509.9	*514.4*	515.1	519.1	520.2	507.8	483.3
30°	527.4	529.3	523.8	514.6	513.6	*523.8*	524.0	531.3	533.0	520.6	500.4
32.5°	535.3	537.4	531.9	518.5	517.0	*531.3*	531.9	541.5	544.3	534.2	518.3
35°	553.8	556.4	550.0	529.1	523.8	*538.3*	540.2	551.5	557.0	548.7	536.8
37.5°	600.1	592.6	583.9	550.6	539.4	*549.4*	552.6	565.8	575.6	566.0	559.0
40°	714.9	691.5	664.2	587.3	566.6	*573.0*	575.6	588.8	602.2	592.8	589.4
42.5°	887.3	859.6	815.7	671.7	607.8	*611.0*	612.9	624.4	643.3	635.9	636.7
45°	1041.0	1031.0	986.2	815.7	684.7	*668.9*	671.3	677.2	705.1	702.4	707.9
47.5°	1159.0	1153.3	1118.8	981.1	814.7	*739.9*	746.5	749.3	789.5	799.3	814.2
50°	1249.8	1247.7	1216.8	1128.1	984.5	*844.5*	846.9	840.9	901.2	925.5	953.8
52.5°	1335.5	1342.7	1319.9	1264.7	1165.9	*981.5*	981.1	953.0	1034.4	1071.0	1119.4
55°	1412.8	1415.4	1417.7	1404.1	1348.3	*1137.5*	1133.5	1087.4	1188.9	1226.8	1279.2
57.5°	1485.5	1486.6	1507.5	1535.4	1538.1	*1305.0*	1297.6	1242.4	1357.6	1384.7	1416.9
60°	1534.3	1539.2	1583.3	1660.9	1694.8	*1477.8*	1473.8	1417.5	1529.4	1542.0	1536.0
62.5°	1464.0	1493.8	1605.1	1758.9	1842.7	*1669.4*	1667.5	1614.6	1710.1	1699.9	1648.7
65°	1185.0	1235.5	1431.2	1825.2	1987.8	*1883.4*	1886.1	1829.9	1895.7	1862.5	1740.4
67.5°	828.9	882.2	1113.6	1830.5	2149.9	*2134.6*	2150.6	2062.4	2092.8	2018.2	1762.1
70°	573.2	600.7	751.4	1715.9	2276.3	*2480.7*	2480.2	2347.9	2288.9	2089.2	1651.3
72.5°	*385.5*	*399.8*	*488.0*	*1361.3*	*2183.4*	*2686.3*	*2673.9*	*2566.1*	*2354.9*	*1953.9*	*1349.1*
75°	162.6	173.0	225.9	765.0	1727.4	*2457.7*	2424.2	2267.8	2092.4	1538.6	841.7
77.5°	51.6	56.0	89.1	273.8	951.5	*1847.3*	1812.0	1416.2	1402.4	771.8	307.7
80°	24.5	28.6	50.1	110.0	374.4	*1004.8*	999.9	642.5	603.3	208.4	61.8
82.5°	10.7	12.6	27.7	58.8	167.5	*358.4*	365.7	218.6	180.9	79.1	19.0
85°	3.4	4.5	12.8	27.1	70.7	*89.1*	88.0	52.0	72.9	43.0	6.6
87.5°	0.0	0.0	4.3	6.2	7.2	*5.1*	5.8	4.5	20.2	11.9	2.3
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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Peachtree City, GA 30269

Scaled Data Report

REPORT NUMBER: P1201254
CATALOG NUMBER: GWC-SB1A-830-U-T4W-HSS

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	342.0	342.0	342.0	342.0	342.0	342.0	342.0	342.0	342.0	342.0	342.0
2.5°	343.7	340.3	334.4	328.8	323.9	319.0	316.0	311.8	311.3	311.3	312.4
5°	346.1	340.5	329.9	318.6	305.6	293.2	280.9	268.9	265.1	262.3	263.6
7.5°	352.9	344.2	327.3	305.8	281.1	254.0	235.0	214.6	206.7	202.4	203.1
10°	362.7	350.8	325.2	287.5	247.4	210.5	183.5	161.3	152.8	149.2	149.2
12.5°	373.6	358.9	321.4	264.7	210.5	166.4	140.0	129.8	128.5	128.5	128.5
15°	386.6	368.7	314.7	237.8	172.0	131.7	122.3	122.7	124.0	124.9	124.9
17.5°	400.0	379.1	304.3	207.8	137.9	118.5	118.7	119.3	120.4	121.3	121.3
20°	414.5	389.5	290.5	175.8	118.3	114.6	115.3	115.9	116.8	117.2	117.4
22.5°	430.0	399.3	274.0	144.5	111.7	111.5	111.7	112.3	113.4	113.4	113.8
25°	446.7	410.2	255.3	121.7	108.3	108.3	108.7	109.1	110.0	110.0	110.2
27.5°	463.7	420.2	235.5	109.7	105.3	105.1	105.1	105.7	106.1	106.3	106.5
30°	482.5	431.9	215.7	107.2	102.9	101.9	101.2	101.6	102.1	102.3	102.7
32.5°	501.6	443.2	198.0	108.3	100.6	98.7	96.5	96.1	96.1	97.0	97.6
35°	522.9	455.6	184.3	111.9	99.3	94.0	90.6	88.6	88.9	90.1	90.8
37.5°	548.5	470.5	174.3	115.1	98.5	88.6	83.1	80.8	79.3	80.8	80.3
40°	582.0	492.5	167.1	117.6	97.4	82.5	75.0	71.2	68.4	69.3	68.8
42.5°	631.2	527.0	164.3	117.8	95.0	75.2	66.7	61.6	57.5	57.7	56.9
45°	700.2	581.5	178.6	115.1	89.9	67.3	58.0	51.1	48.6	47.9	47.1
47.5°	794.9	661.0	211.6	109.3	82.5	59.7	49.4	43.7	41.8	40.7	40.1
50°	921.6	763.1	248.3	102.9	75.0	52.4	42.4	38.8	37.5	36.4	36.2
52.5°	1068.7	866.7	278.3	96.5	67.6	46.0	37.9	35.8	34.7	33.9	33.7
55°	1203.6	938.1	276.6	89.7	60.3	40.9	34.7	33.5	32.2	31.3	30.9
57.5°	1287.5	948.1	228.0	82.3	52.0	36.9	31.8	30.9	29.4	28.3	28.1
60°	1326.1	891.0	159.8	72.5	43.7	33.0	28.6	28.1	26.2	24.7	24.3
62.5°	1333.1	784.8	106.5	60.3	36.4	29.4	25.4	24.7	22.2	19.6	18.3
65°	1304.6	633.1	73.7	47.1	31.1	25.6	21.7	20.5	17.7	15.1	14.3
67.5°	1214.2	444.5	51.4	33.9	26.4	20.2	17.3	16.8	14.7	12.6	11.9
70°	1048.7	253.4	34.3	25.4	20.9	13.9	13.6	14.1	11.9	10.2	9.4
72.5°	*804.0*	*115.9*	*21.3*	*18.5*	*14.3*	*9.4*	*10.9*	*11.1*	*9.2*	*7.7*	*6.8*
75°	473.3	49.7	13.4	11.9	7.2	6.2	7.9	8.1	6.2	4.9	4.3
77.5°	161.1	18.8	8.5	7.0	3.6	3.4	5.1	5.1	3.4	1.9	1.5
80°	36.7	7.0	4.3	2.8	1.7	1.5	1.7	1.5	0.9	0.2	0.0
82.5°	10.4	2.8	1.7	1.1	0.6	0.6	0.2	0.0	0.0	0.0	0.0
85°	3.0	1.3	0.4	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	1.3	0.2	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

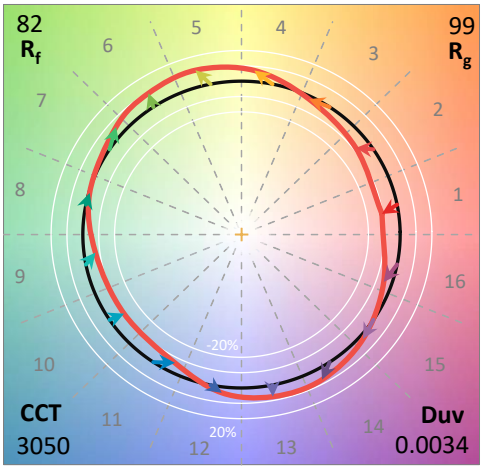
Test Information

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

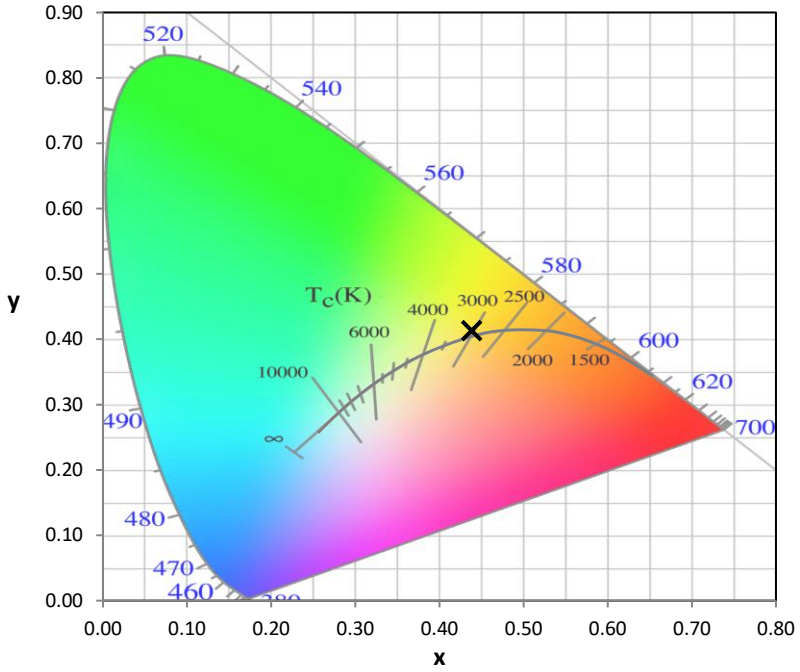
Stabilization Time:	20M
Operation Time:	1H 20M
Sphere Temperature (°C):	24.2

REPORT NUMBER: SP1-2408-195-9

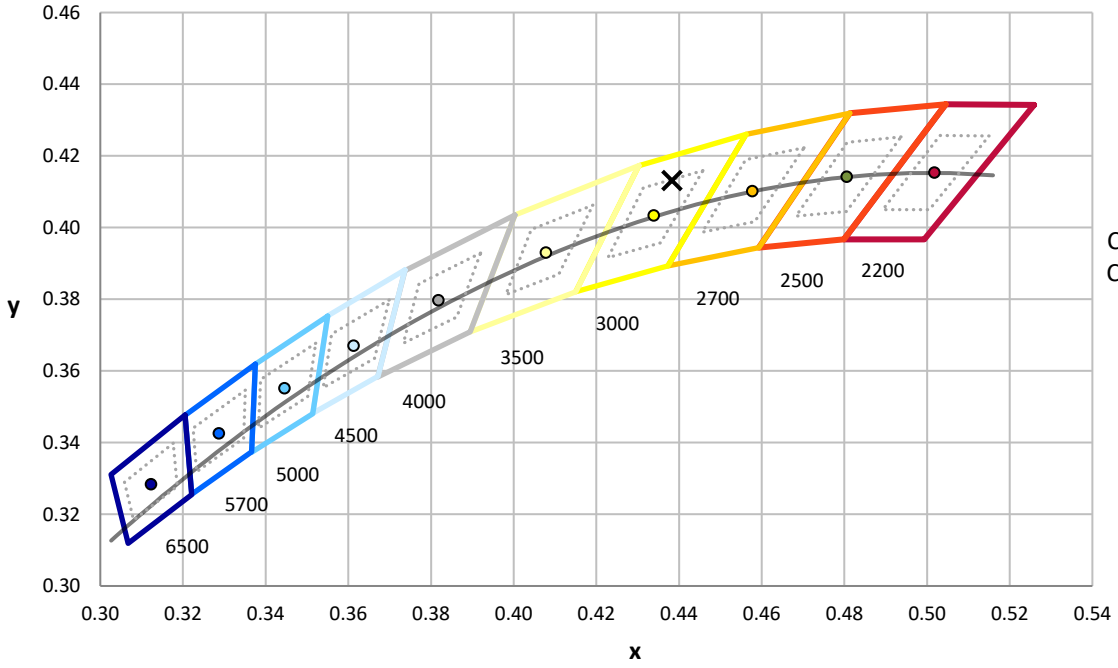
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

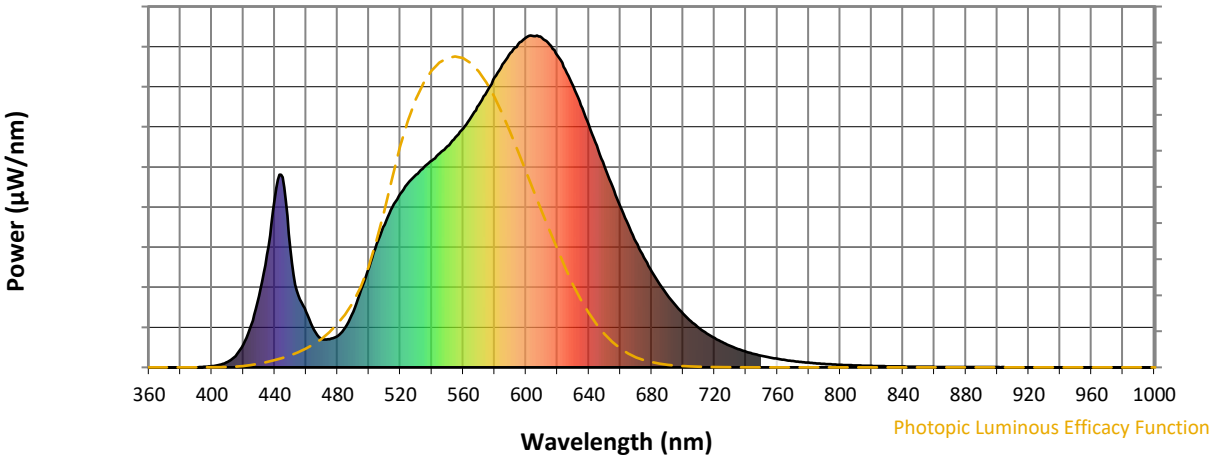


CCT = 3050K
CIE x = 0.4383
CIE y = 0.4131
Duv = 0.0034

Point lies inside the ANSI 3000K 4-step quadrangle

REPORT NUMBER: SP1-2408-195-9

Photopic Flux vs. Wavelength

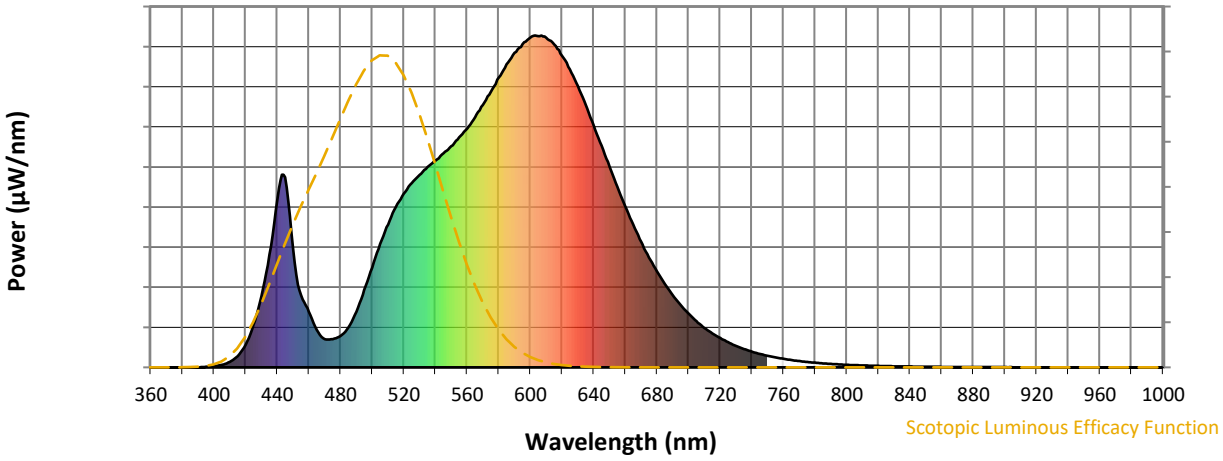


Photopic Lumens: NR

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

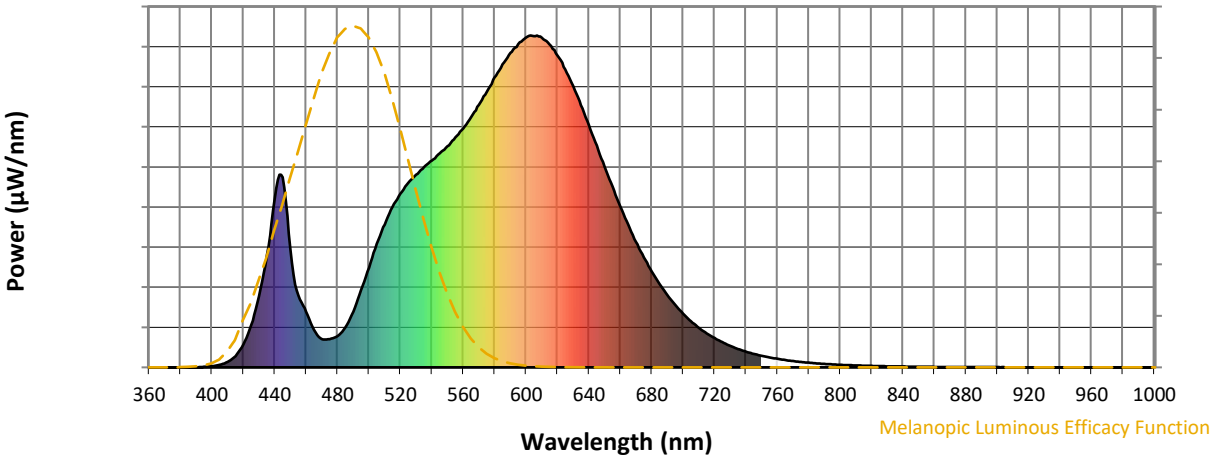


Scotopic Lumens: NR **S/P: 1.27**

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			

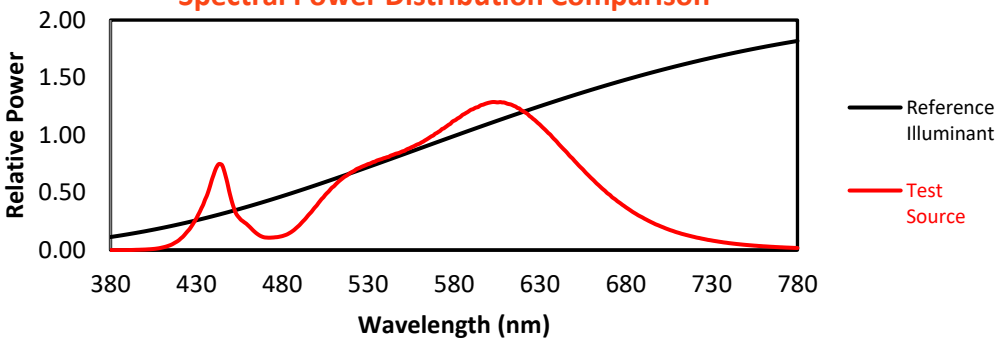
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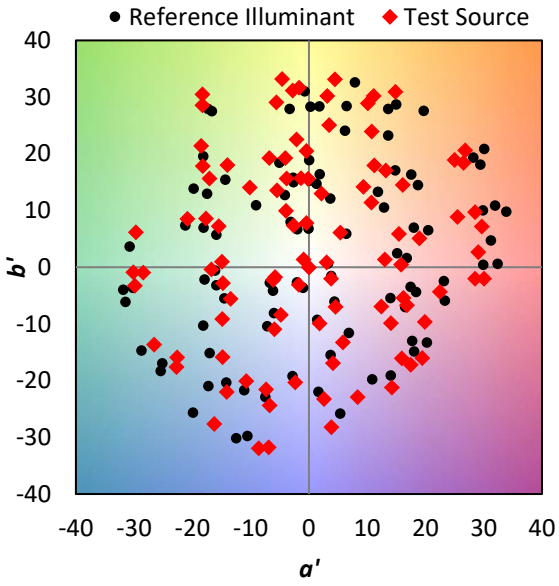
Summary

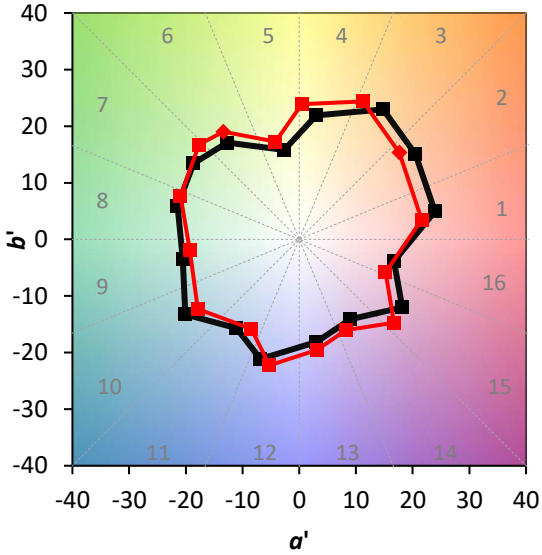
R_f = 81.5
R_g = 99.2
CIE R_a = 81.0
R_9 = 7.1

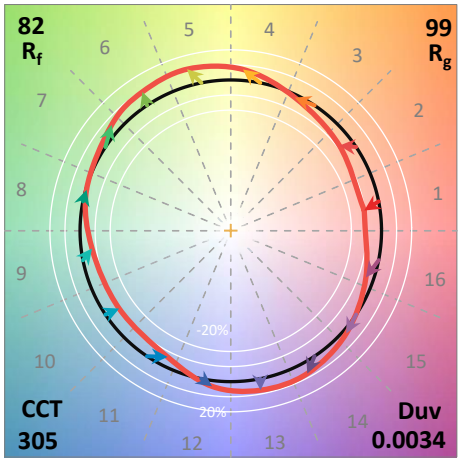
Spectral Power Distribution Comparison

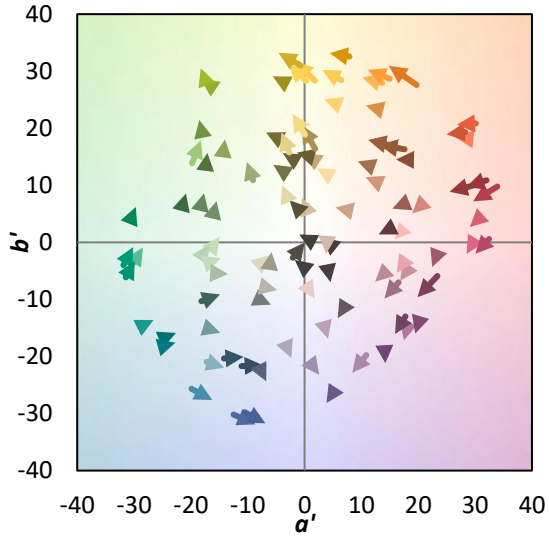


Color Vector Graphics







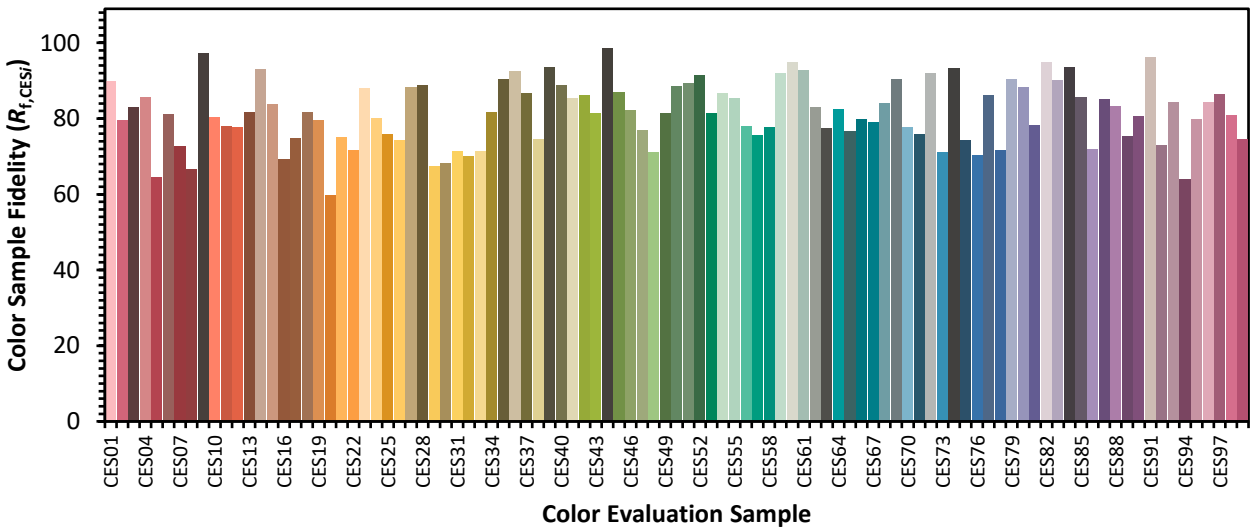


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Individual Sample Fidelity Index ($R_{f,i}$)

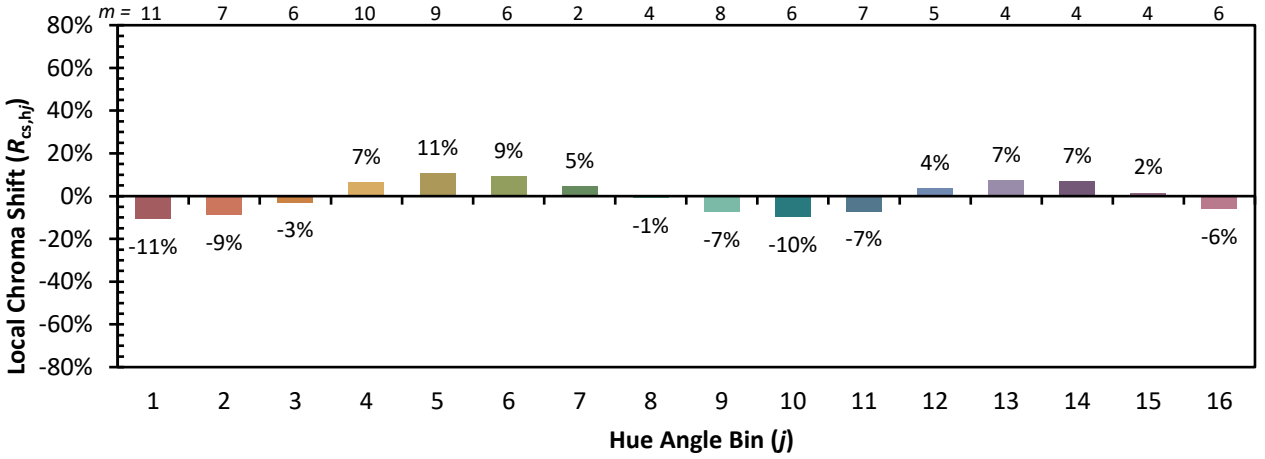
CES01 = 86	CES26 = 74	CES51 = 89	CES76 = 70
CES02 = 63	CES27 = 88	CES52 = 92	CES77 = 86
CES03 = 31	CES28 = 89	CES53 = 81	CES78 = 72
CES04 = 70	CES29 = 67	CES54 = 87	CES79 = 90
CES05 = 50	CES30 = 68	CES55 = 85	CES80 = 88
CES06 = 51	CES31 = 71	CES56 = 78	CES81 = 78
CES07 = 42	CES32 = 70	CES57 = 76	CES82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

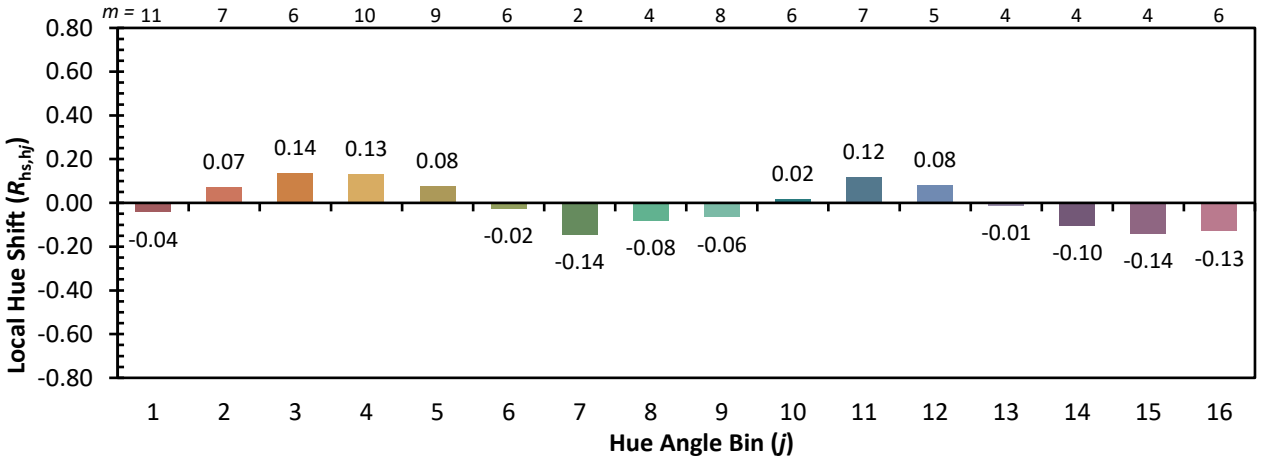


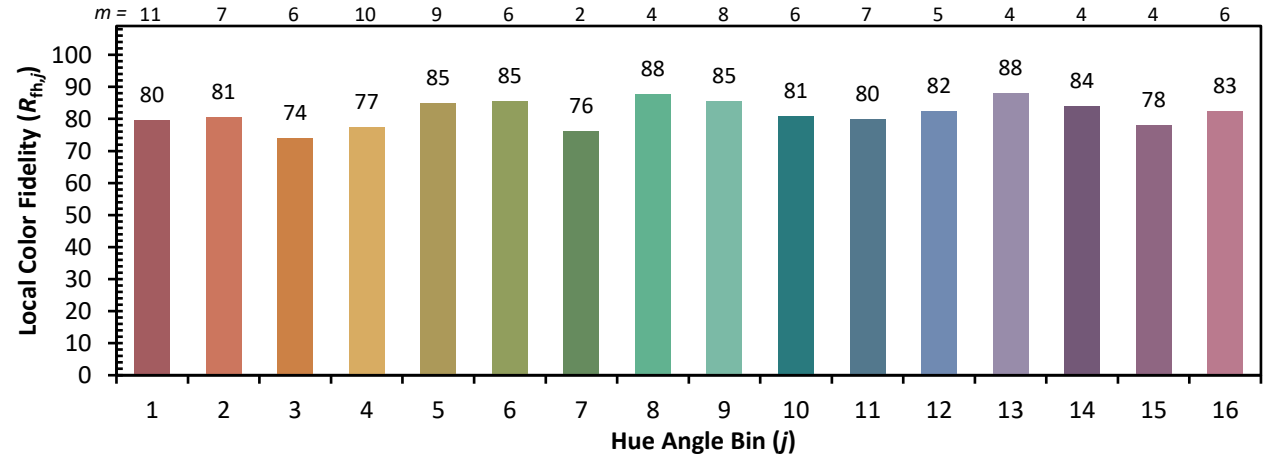
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Color Rendition by Hue-Angle Bin



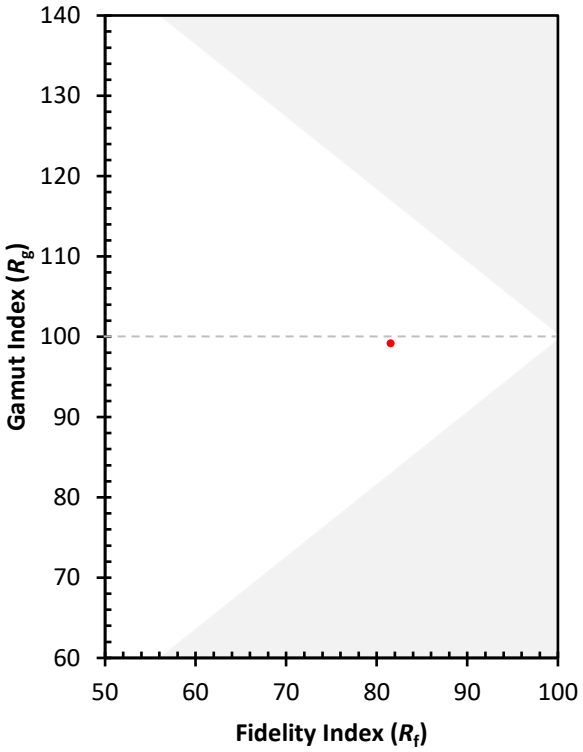


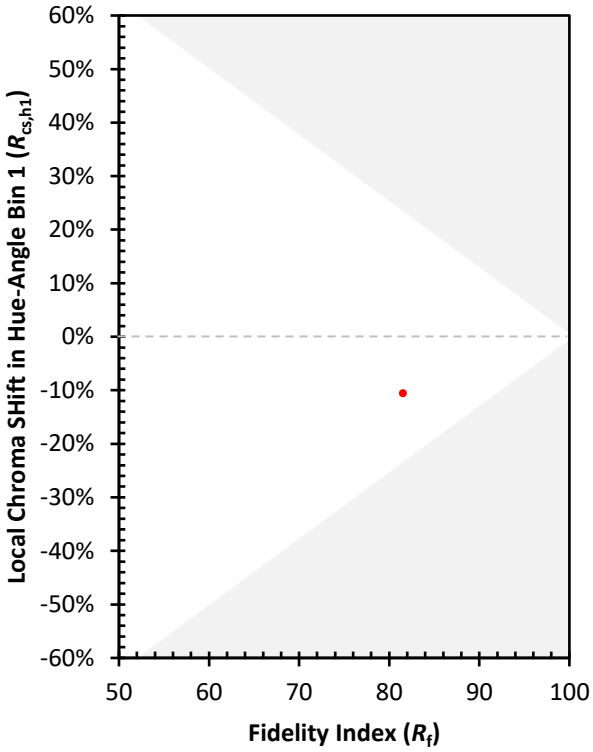


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Measure Comparisons





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