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: P1201626

Luminaire Tested: GWC-SB1B-830-U-T4FT-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:	P1201626
	TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-25)
Test Lab:	INNOVATION CENTER
Issue Date:	3/14/2026
Manufacturer:	COOPER LIGHTING SOLUTIONS
Product Line:	McGRAW-EDISON
Catalog Number:	GWC-SB1B-830-U-T4FT-HSS
Description:	GALLEON WALL LUMINAIRE
	(1) 80 CRI, 3000K, 450mA LIGHTSQUARE WITH 26 LEDS AND TYPE IV FORWARD THROW OPT WITH HOUSE SIDE SHIELD
Light Source:	-
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	3851 lumens
Efficiency:	N/A
Efficacy:	96.8 lumens/watt
Luminous Opening:	Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification:	Type IV - Short
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

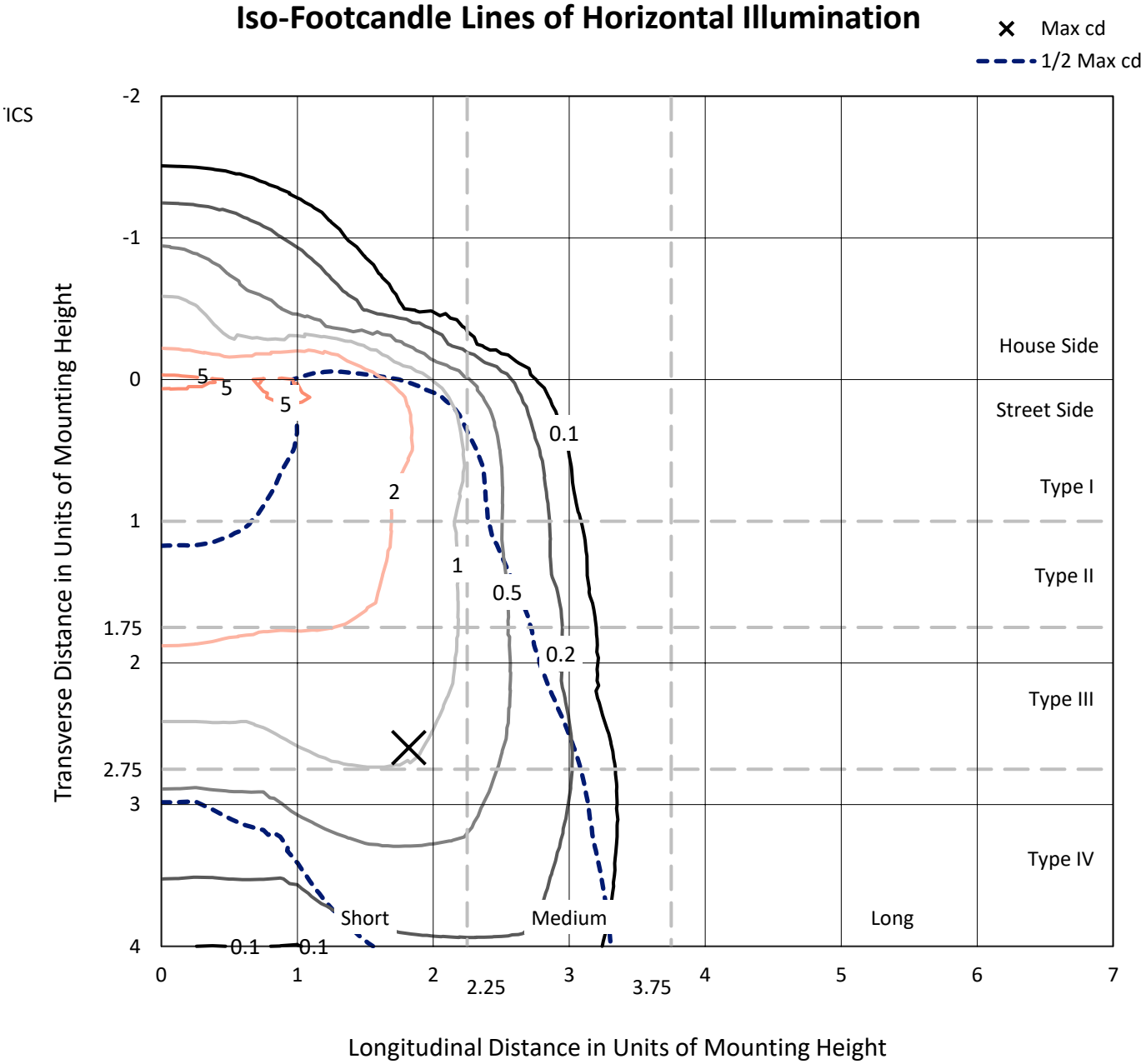


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REPORT NUMBER: P1201626
CATALOG NUMBER: GWC-SB1B-830-U-T4FT-HSS

Iso-Footcandle Lines of Horizontal Illumination



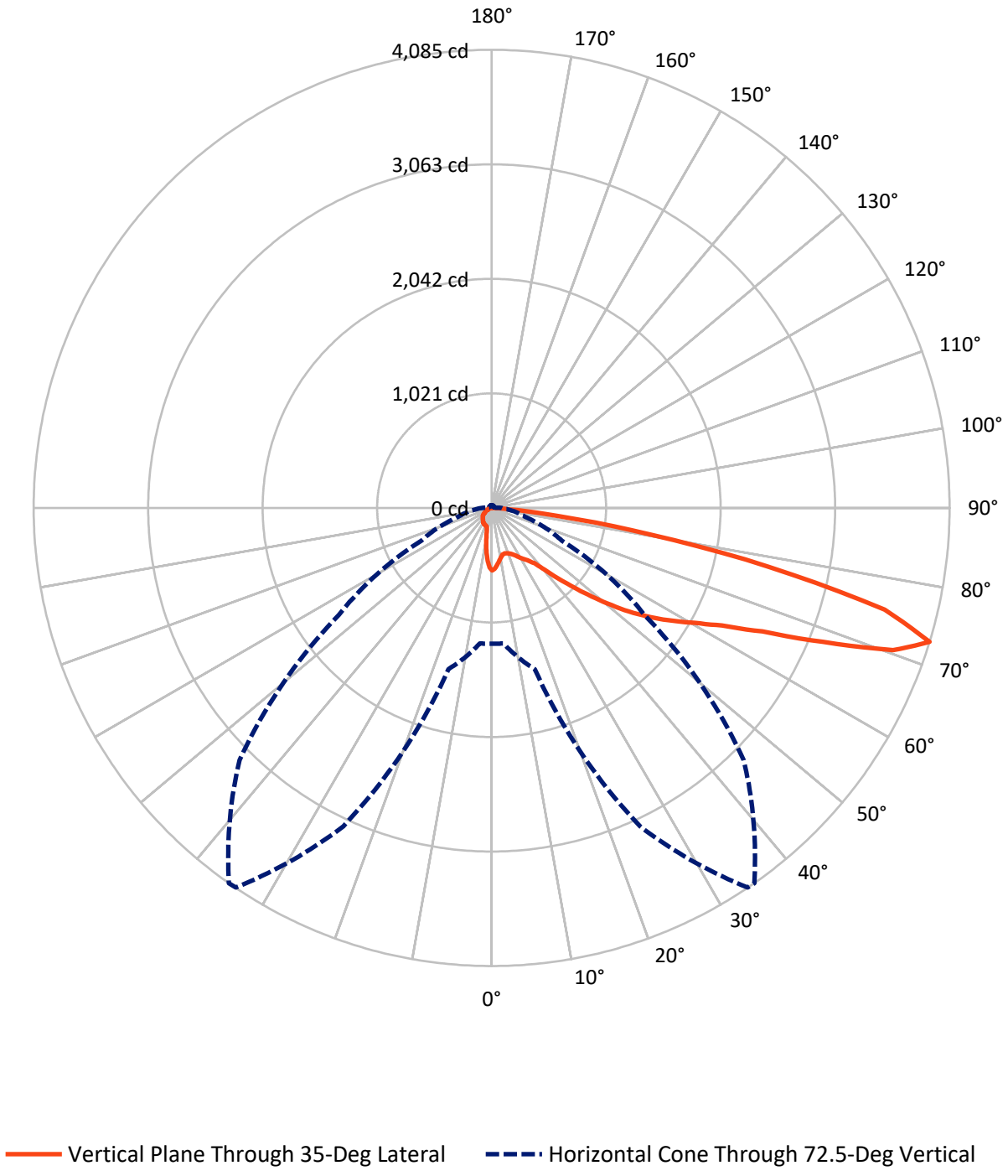
Based on 10 foot mounting height. Maximum calculated value = 8 fc
Type IV - Short - N/A

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REPORT NUMBER: P1201626
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Luminous Intensity Polar Plot



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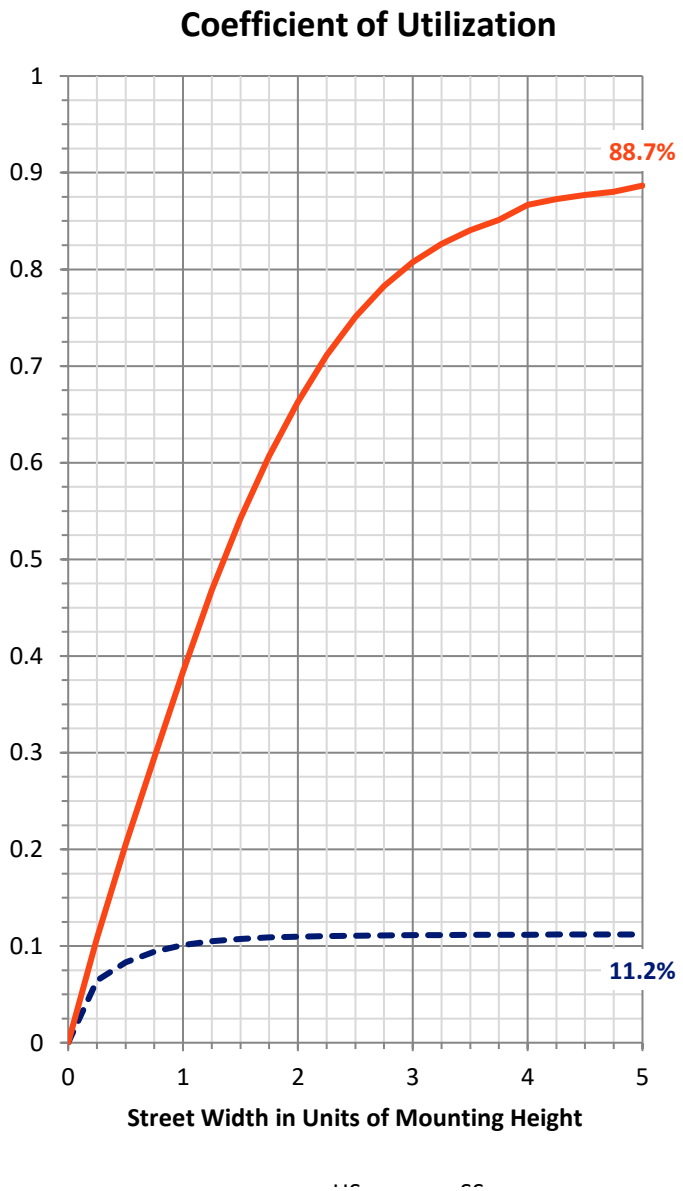
REPORT NUMBER: P1201626
CATALOG NUMBER: GWC-SB1B-830-U-T4FT-HSS

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	433.4	0.0	433.4
	% Fixture	11.3	0.0	11.3
Street Side	Lumens	3417.6	0.0	3417.6
	% Fixture	88.7	0.0	88.7
Total	Lumens	3851.0	0.0	3851.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	45.9	1.2
10°-20°	107.3	2.8
20°-30°	174.3	4.5
30°-40°	290.8	7.6
40°-50°	550.2	14.3
50°-60°	874.3	22.7
60°-70°	1081.6	28.1
70°-80°	672.3	17.5
80°-90°	54.3	1.4
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°	3851.0	100.0
0°-180°	3851.0	100.0



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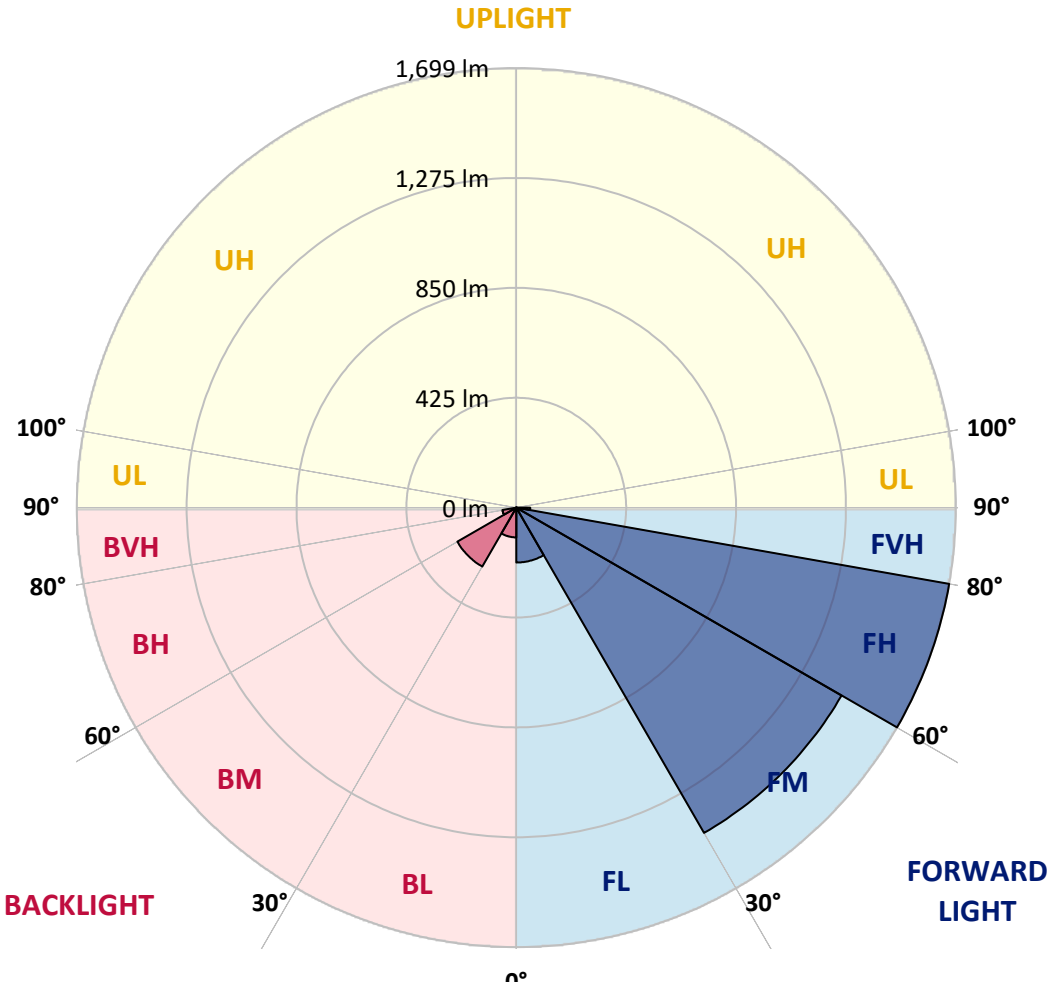
Scaled Data Report

REPORT NUMBER: P1201626
CATALOG NUMBER: GWC-SB1B-830-U-T4FT-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	212.3	5.5			
FM	(30°-60°)	1452.2	37.7			
FH	(60°-80°)	1699.5	44.1			G1/1800
FVH	(80°-90°)	53.6	1.4			G1/100
BL	(0°-30°)	115.2	3.0	B1/500		
BM	(30°-60°)	263.1	6.8	B1/1000		
BH	(60°-80°)	54.4	1.4	B0/110		G0/110
BVH	(80°-90°)	0.7	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-G1
Type IV Short



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Scaled Data Report

REPORT NUMBER: P1201626
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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	34°	35°	45°	55°	65°	75°	85°
0°	558.1	558.1	558.1	558.1	558.1	*558.1*	558.1	558.1	558.1	558.1	558.1
2.5°	533.3	537.8	538.7	540.1	540.1	*541.8*	544.6	548.5	555.0	558.4	560.7
5°	491.5	494.9	499.2	502.6	509.0	*509.9*	520.9	531.6	546.6	557.9	565.8
7.5°	449.5	453.5	459.1	467.3	475.7	*478.3*	494.9	513.0	536.7	557.9	571.1
10°	419.9	420.2	425.2	433.4	447.0	*450.1*	470.4	496.1	525.7	554.5	576.2
12.5°	403.2	405.2	407.5	413.7	426.6	*428.6*	450.3	480.5	514.7	552.5	582.1
15°	403.2	404.6	406.0	409.2	419.6	*421.3*	440.5	470.7	509.0	553.3	591.7
17.5°	407.5	409.7	408.6	412.3	423.3	*424.4*	441.3	467.8	508.8	558.7	606.4
20°	417.6	419.3	417.1	419.3	430.3	*432.6*	450.1	473.2	513.6	568.0	624.7
22.5°	433.7	434.5	429.2	430.9	442.2	*445.0*	465.3	488.4	525.1	583.0	649.3
25°	454.0	455.7	447.5	449.5	460.2	*463.6*	487.0	511.3	543.5	603.6	680.6
27.5°	477.4	478.3	471.2	470.9	484.8	*489.6*	513.3	539.5	568.0	629.5	720.1
30°	504.2	506.8	500.0	498.9	516.4	*520.3*	543.7	574.2	604.1	668.5	776.3
32.5°	525.4	527.4	523.4	526.3	544.0	*547.1*	580.7	623.3	660.9	723.8	852.7
35°	555.9	557.0	548.0	553.1	573.4	*581.3*	631.2	692.2	732.2	793.2	952.6
37.5°	666.2	666.2	627.8	602.7	622.2	*629.2*	700.4	778.8	820.3	886.3	1078.5
40°	818.9	816.3	760.2	708.8	706.3	*720.1*	798.8	888.0	934.0	998.0	1220.1
42.5°	981.7	977.7	901.3	850.5	842.0	*846.8*	912.5	1022.6	1069.4	1134.3	1372.5
45°	1126.2	1125.0	1055.0	986.8	971.5	*986.8*	1054.5	1180.0	1213.6	1281.9	1524.6
47.5°	1247.2	1247.2	1196.1	1151.5	1143.6	*1152.7*	1246.6	1354.7	1351.6	1439.1	1672.7
50°	1386.6	1385.5	1336.9	1317.7	1325.9	*1338.6*	1467.9	1538.7	1494.4	1593.4	1805.1
52.5°	1484.2	1491.0	1474.4	1471.3	1513.0	*1535.0*	1692.5	1718.7	1622.2	1739.9	1904.1
55°	1561.5	1569.4	1588.6	1610.4	1690.8	*1719.6*	1910.0	1889.4	1729.2	1866.9	1961.1
57.5°	1671.0	1659.7	1689.4	1732.3	1862.3	*1897.1*	2120.8	2050.6	1815.2	1969.9	1967.3
60°	1803.9	1805.6	1810.7	1864.9	2033.6	*2078.2*	2328.5	2202.9	1870.5	2033.1	1898.5
62.5°	1963.6	1966.2	1976.6	2059.9	2263.6	*2305.6*	2549.7	2327.6	1895.9	2015.3	1720.7
65°	1952.6	1963.4	2079.9	2364.6	2613.2	*2654.7*	2807.9	2415.1	1857.5	1852.8	1401.0
67.5°	1778.8	1796.3	1991.3	2728.6	3140.3	*3186.6*	3120.0	2432.3	1691.9	1440.8	914.0
70°	1550.8	1557.0	1791.5	3055.9	3750.6	*3797.5*	3399.3	2243.0	1283.9	803.6	409.4
72.5°	*1211.1*	*1212.5*	*1487.6*	*3131.8*	*4081.9*	*4084.5*	*3180.1*	*1665.1*	*690.5*	*308.7*	*142.2*
75°	865.1	856.7	996.4	2539.8	3591.2	*3620.0*	2384.1	781.1	263.8	145.9	70.8
77.5°	463.9	473.2	563.8	1506.2	2480.9	*2530.0*	1300.8	225.2	134.3	99.3	46.8
80°	143.3	151.2	231.1	689.6	1405.2	*1434.9*	482.2	100.2	93.7	70.8	30.8
82.5°	45.1	46.8	107.8	289.8	583.3	*596.8*	139.7	56.7	64.1	46.8	18.1
85°	13.0	13.3	48.0	108.1	144.2	*147.0*	39.2	22.0	36.7	29.1	9.3
87.5°	1.4	4.5	18.1	18.1	12.7	*12.4*	4.2	4.8	10.4	3.7	1.7
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: P1201626
CATALOG NUMBER: GWC-SB1B-830-U-T4FT-HSS

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	558.1	558.1	558.1	558.1	558.1	558.1	558.1	558.1	558.1	558.1	558.1
2.5°	559.3	559.5	555.9	549.7	542.9	537.3	530.2	524.6	520.6	519.5	521.5
5°	563.2	561.2	550.8	531.9	509.3	489.9	468.1	450.9	439.6	434.8	436.5
7.5°	569.1	563.5	540.6	503.4	460.2	421.8	382.9	352.7	333.5	323.9	325.3
10°	574.2	562.9	523.7	462.2	396.2	338.0	285.6	249.2	228.8	219.2	219.5
12.5°	579.0	562.7	501.7	413.4	323.9	252.8	204.0	186.0	180.3	178.3	177.8
15°	588.0	563.5	474.1	357.5	252.0	191.0	173.3	173.0	174.1	173.5	173.3
17.5°	600.5	564.3	442.7	298.3	194.4	168.5	167.6	170.2	171.8	171.0	170.7
20°	616.5	567.7	409.4	239.6	167.0	162.8	164.8	167.0	168.5	167.0	166.8
22.5°	639.1	573.7	373.0	192.4	158.3	159.4	161.1	163.7	165.1	163.1	162.8
25°	666.8	583.0	337.2	167.3	154.1	155.5	158.0	160.8	162.5	160.6	160.3
27.5°	702.6	597.9	304.2	161.7	149.8	150.7	154.3	158.6	160.8	158.3	158.3
30°	754.5	622.5	275.7	164.2	147.3	145.3	150.4	156.3	158.9	156.6	156.3
32.5°	823.4	657.2	258.2	168.2	146.2	139.1	143.9	151.5	155.8	154.3	154.3
35°	913.7	709.9	251.4	172.7	145.3	132.6	136.0	144.2	151.5	152.9	152.9
37.5°	1023.2	783.3	253.4	174.7	142.8	127.3	129.0	136.0	145.6	150.1	151.2
40°	1147.6	868.8	264.7	172.7	140.0	122.7	123.0	128.4	136.9	143.6	145.9
42.5°	1276.0	968.7	285.6	165.4	137.4	118.8	117.9	121.6	127.3	132.1	134.0
45°	1398.2	1071.4	306.2	155.2	134.3	114.8	112.9	114.3	115.4	117.4	118.5
47.5°	1504.8	1143.6	300.2	145.9	130.1	110.3	106.9	106.4	103.0	102.7	102.4
50°	1578.5	1159.5	266.7	136.6	123.9	105.3	99.9	96.5	90.6	87.8	88.0
52.5°	1601.9	1097.1	217.8	127.3	113.7	98.5	90.9	85.5	78.2	75.6	75.3
55°	1570.9	974.9	174.1	116.0	99.6	89.4	81.0	73.9	68.0	64.9	64.9
57.5°	1495.0	819.4	137.7	102.7	84.7	79.3	70.8	63.8	58.7	55.6	55.0
60°	1369.1	650.7	108.9	86.9	72.2	68.3	59.5	55.0	50.5	46.8	46.0
62.5°	1178.1	464.5	85.5	68.9	60.4	55.9	50.8	47.4	42.0	37.0	36.1
65°	919.3	284.1	66.0	50.5	48.5	46.3	43.2	40.1	33.6	28.5	27.7
67.5°	579.9	134.6	47.1	38.1	38.4	37.2	35.8	33.3	28.5	24.0	23.4
70°	255.4	65.2	31.0	29.1	28.5	28.5	29.6	28.8	24.3	20.0	19.2
72.5°	*86.9*	*35.0*	*23.1*	*22.0*	*20.6*	*20.3*	*24.8*	*24.0*	*19.5*	*15.5*	*14.7*
75°	45.4	23.4	16.9	15.8	12.4	15.0	19.8	18.6	13.8	10.2	9.3
77.5°	29.6	16.6	11.6	10.2	7.1	9.9	14.7	13.0	8.2	5.1	4.5
80°	18.6	11.0	6.8	4.8	3.4	5.4	7.9	5.6	3.1	1.1	0.8
82.5°	9.9	5.6	2.5	1.7	1.4	1.7	2.0	1.4	0.6	0.0	0.0
85°	4.0	2.0	0.8	0.6	0.3	0.0	0.6	0.3	0.0	0.0	0.0
87.5°	1.4	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

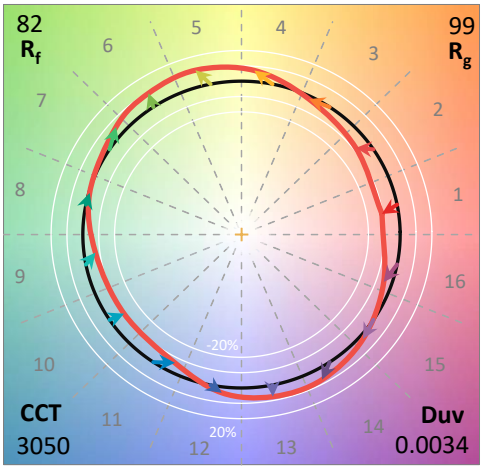
Test Information

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

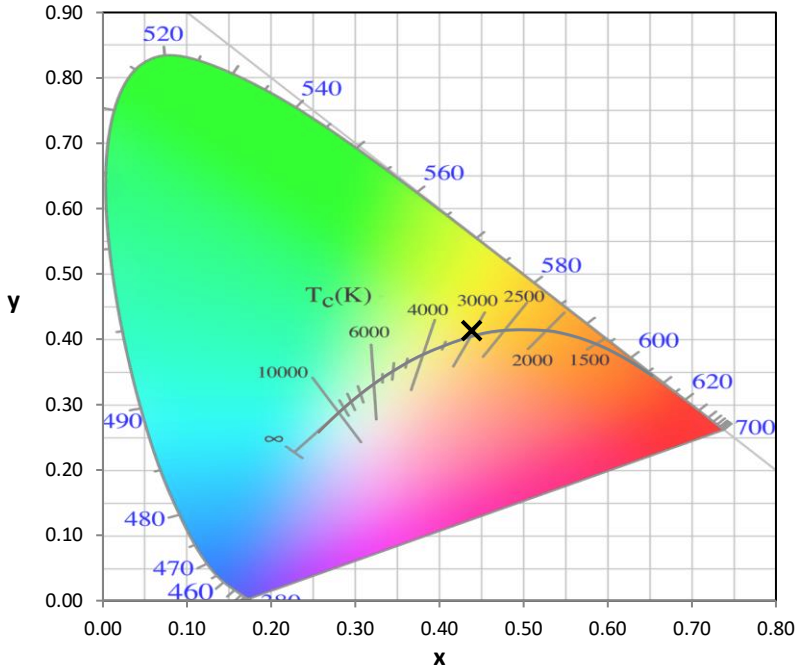
Stabilization Time:	20M
Operation Time:	1H 20M
Sphere Temperature (°C):	24.2

REPORT NUMBER: SP1-2408-195-9

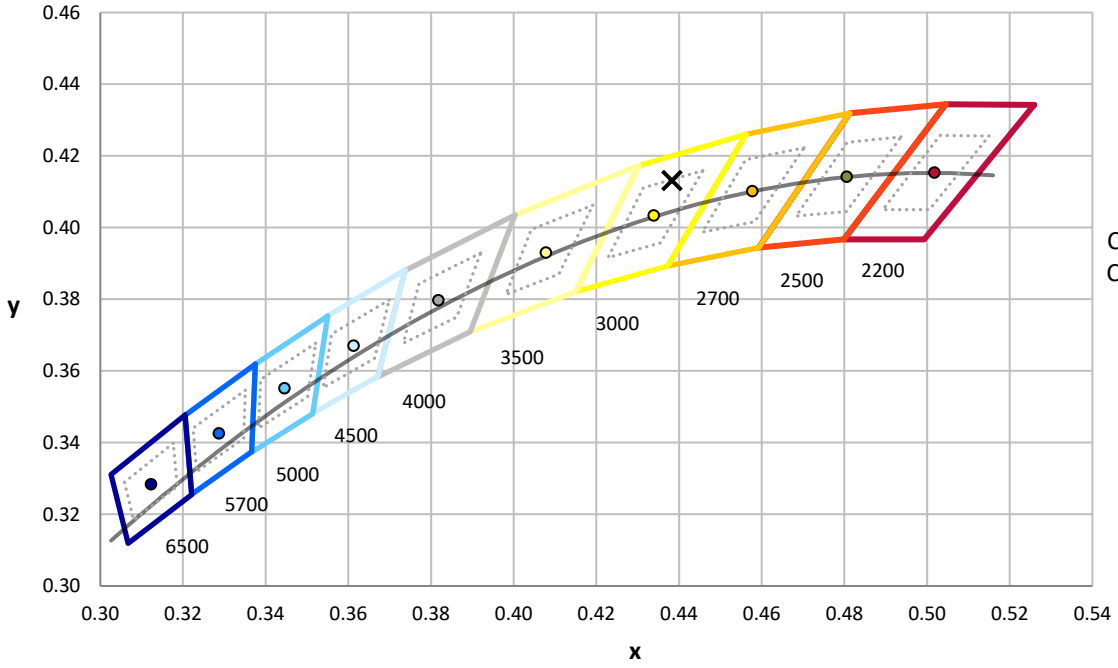
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

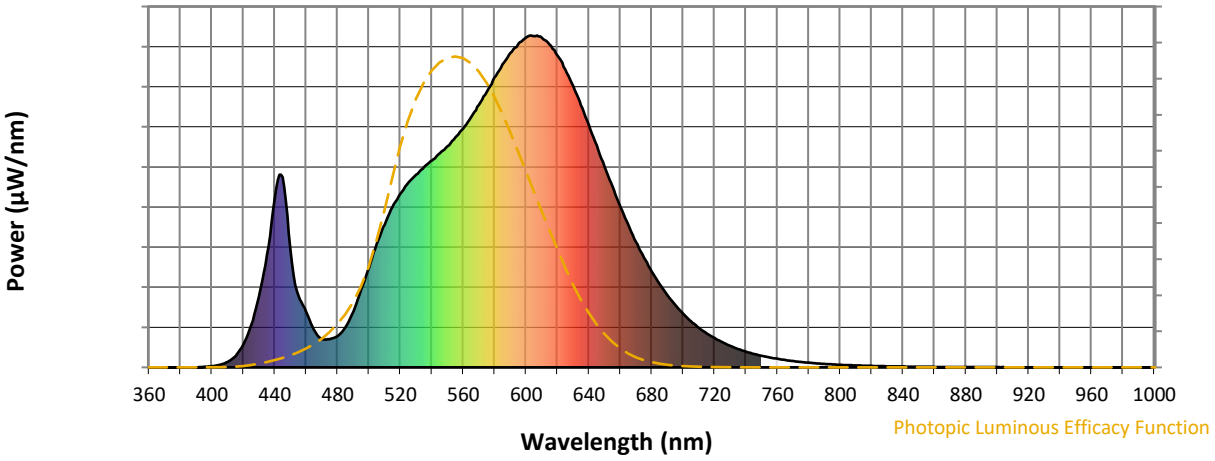


CCT = 3050K
CIE x = 0.4383
CIE y = 0.4131
Duv = 0.0034

Point lies inside the ANSI 3000K 4-step quadrangle

REPORT NUMBER: SP1-2408-195-9

Photopic Flux vs. Wavelength

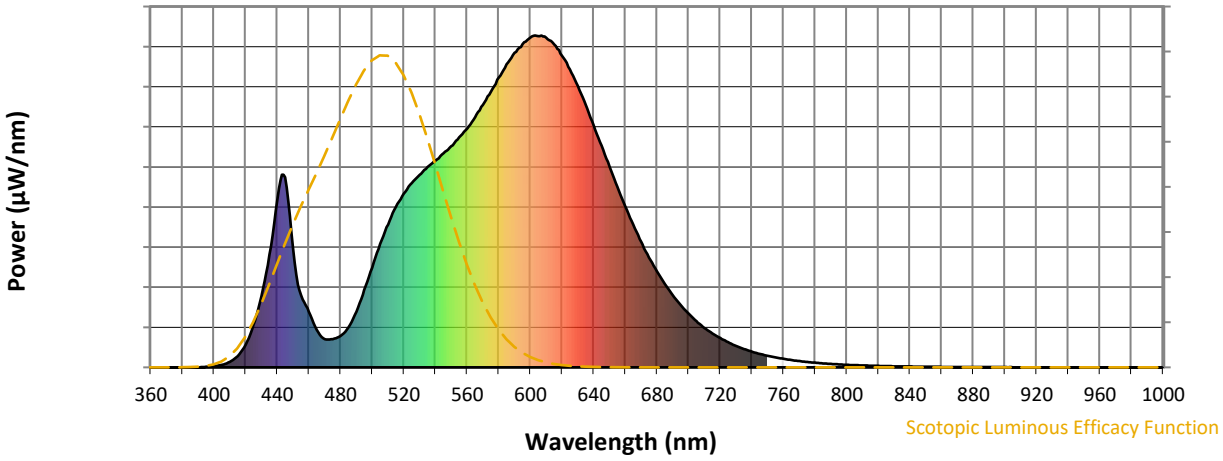


Photopic Lumens: NR

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

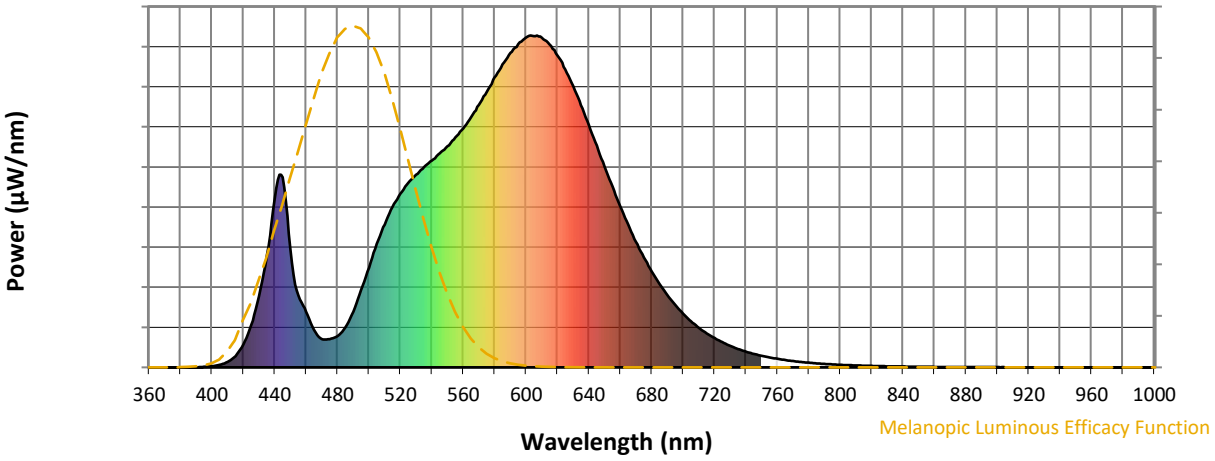


Scotopic Lumens: NR **S/P: 1.27**

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			

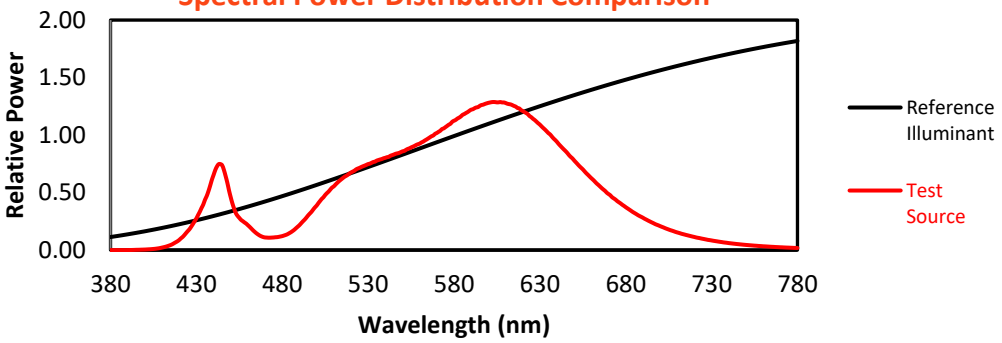
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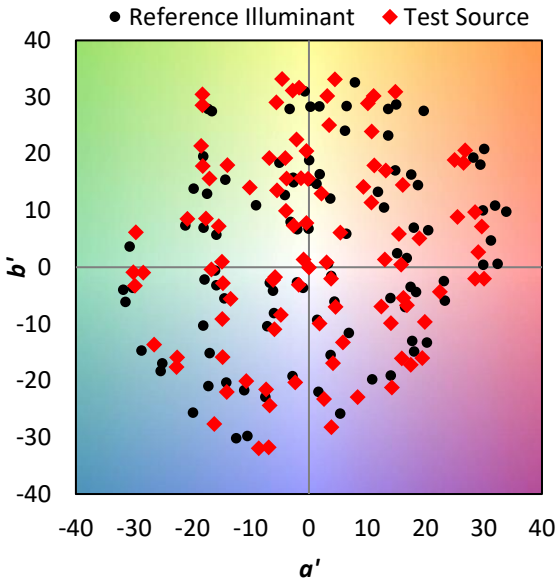
Summary

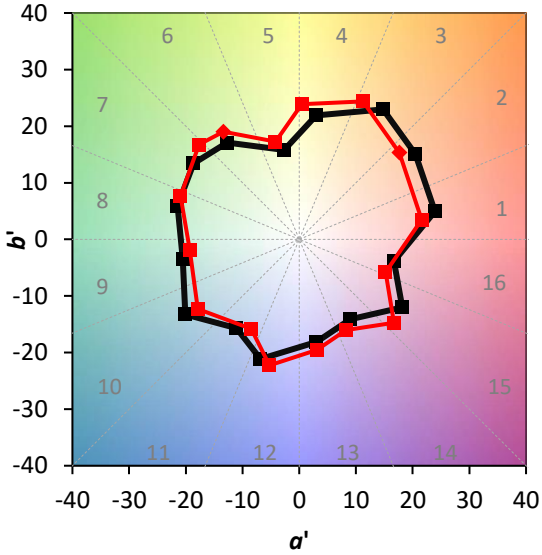
R_f = 81.5
R_g = 99.2
CIE R_a = 81.0
R_9 = 7.1

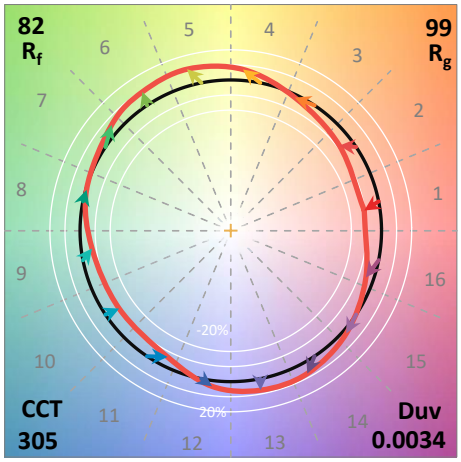
Spectral Power Distribution Comparison

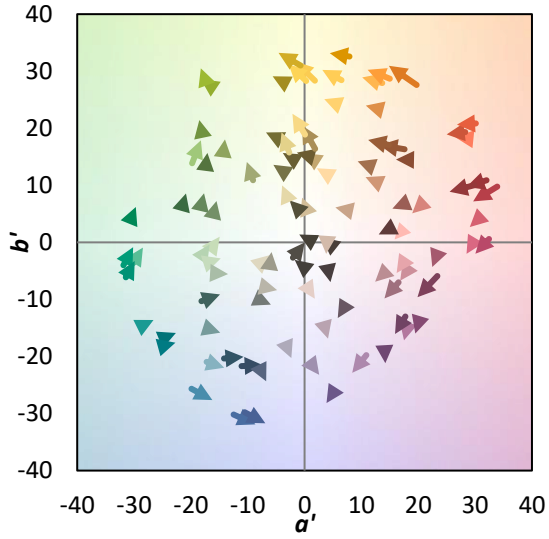


Color Vector Graphics







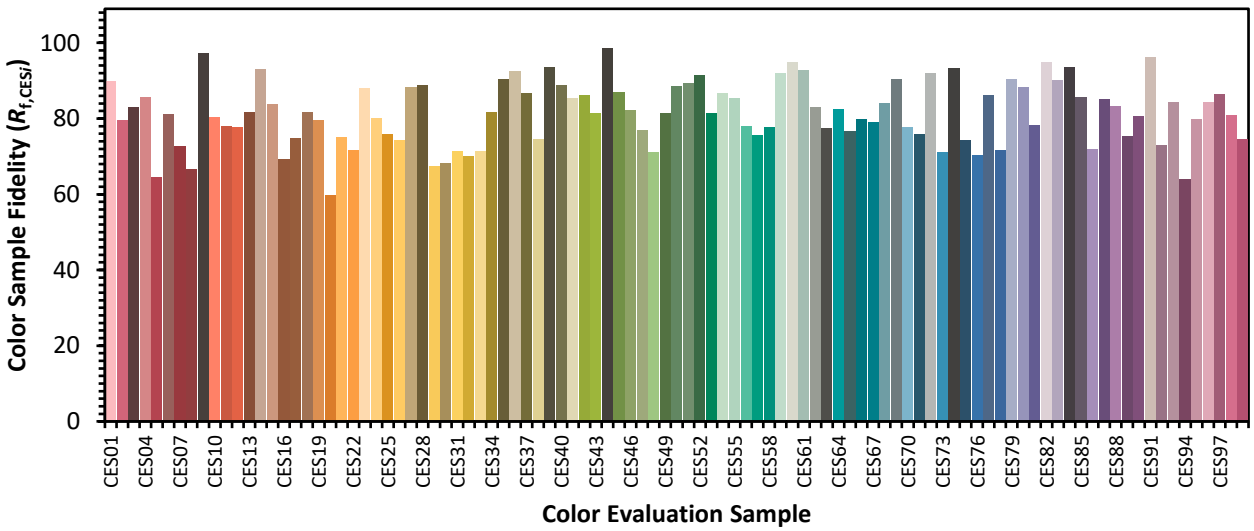


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Individual Sample Fidelity Index ($R_{f,i}$)

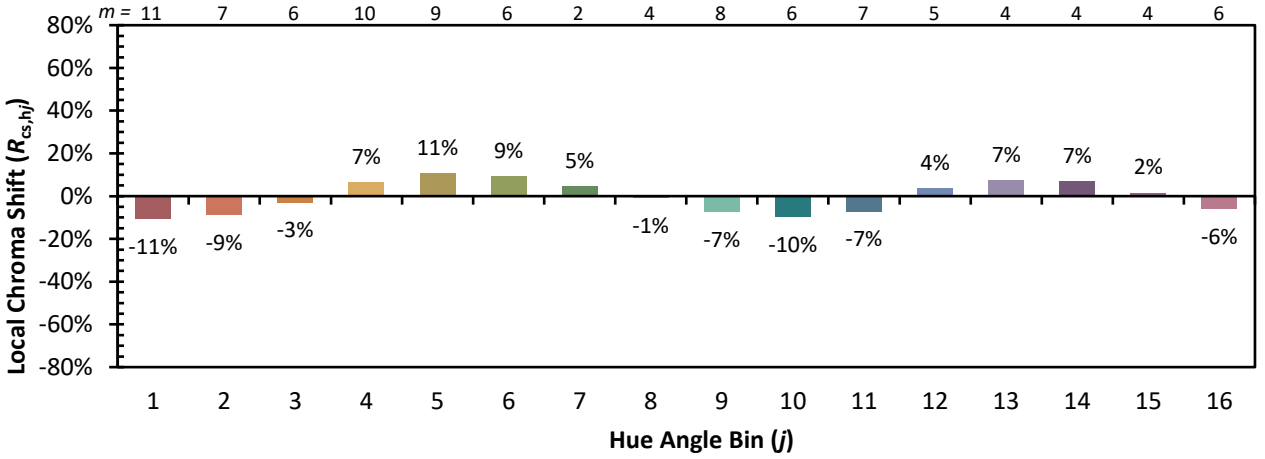
CES01 = 86	CES26 = 74	CES51 = 89	CES76 = 70
CES02 = 63	CES27 = 88	CES52 = 92	CES77 = 86
CES03 = 31	CES28 = 89	CES53 = 81	CES78 = 72
CES04 = 70	CES29 = 67	CES54 = 87	CES79 = 90
CES05 = 50	CES30 = 68	CES55 = 85	CES80 = 88
CES06 = 51	CES31 = 71	CES56 = 78	CES81 = 78
CES07 = 42	CES32 = 70	CES57 = 76	CES82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

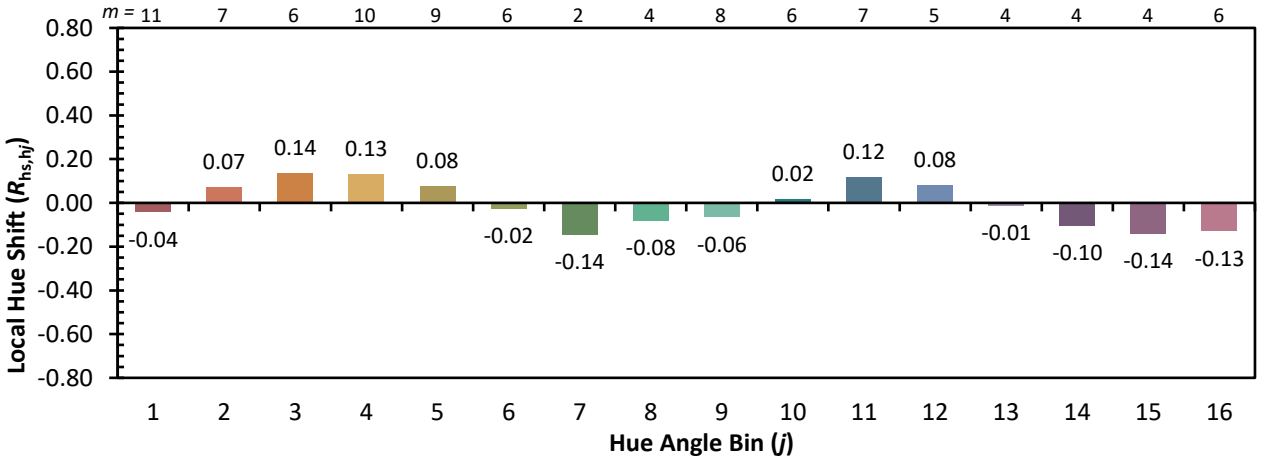


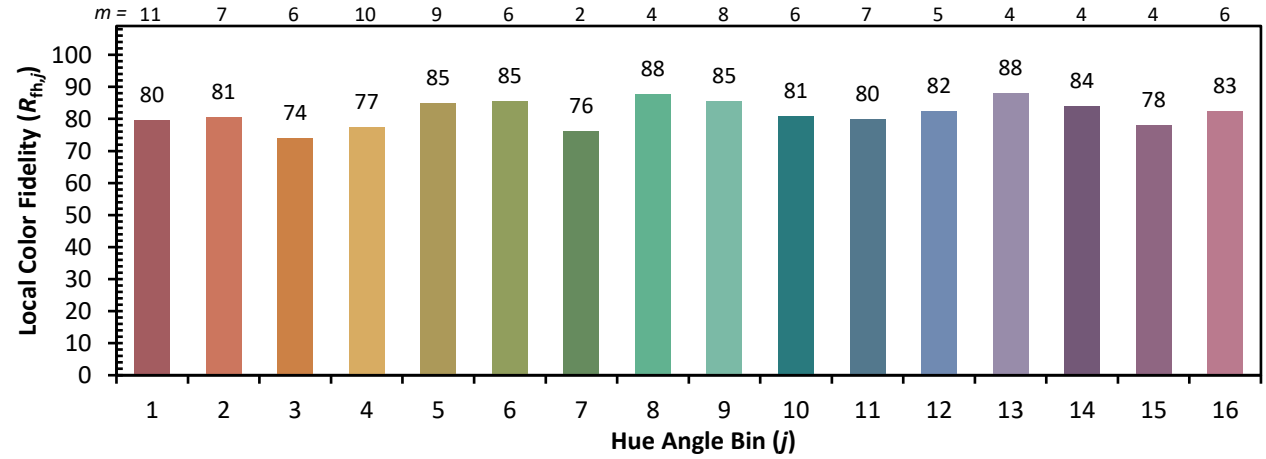
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Color Rendition by Hue-Angle Bin



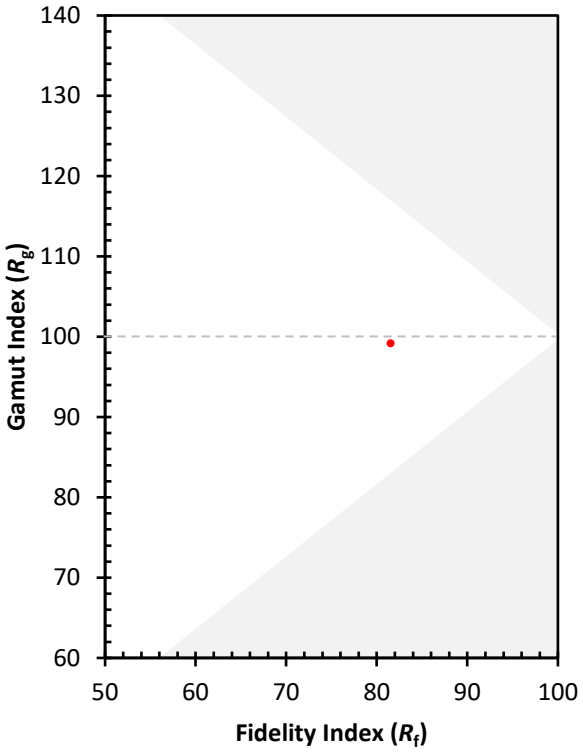


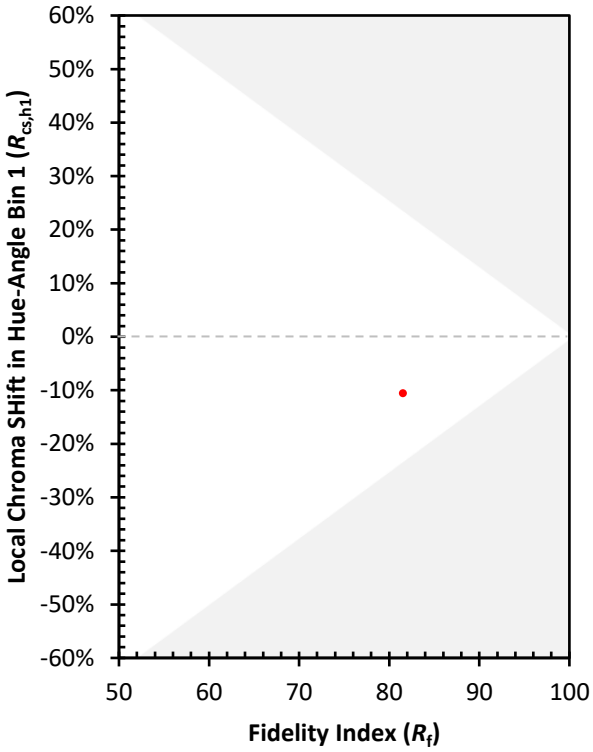


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Measure Comparisons





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