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: P1201255

Luminaire Tested: GWC-SB1A-830-U-T4W

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:	P1201255
	TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-1)
Test Lab:	INNOVATION CENTER
Issue Date:	3/14/2026
Manufacturer:	COOPER LIGHTING SOLUTIONS
Product Line:	McGRAW-EDISON
Catalog Number:	GWC-SB1A-830-U-T4W
Description:	GALLEON WALL LUMINAIRE
	(1) 80 CRI, 3000K, 350mA LIGHTSQUARE WITH 26 LEDS AND TYPE IV WIDE OPTICS
Light Source:	-
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	4044 lumens
Efficiency:	N/A
Efficacy:	130.9 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):	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

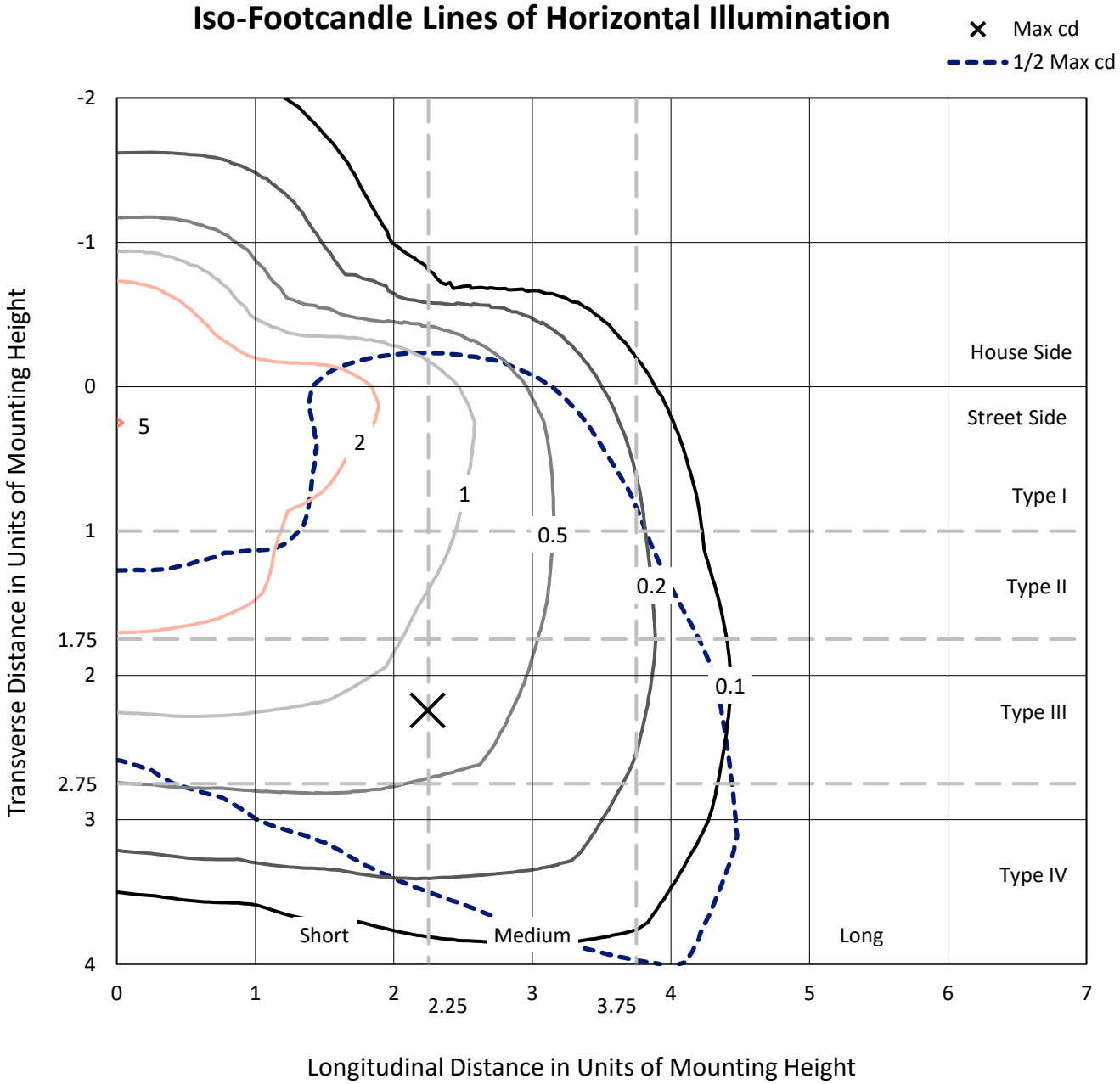


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REPORT NUMBER: P1201255
CATALOG NUMBER: GWC-SB1A-830-U-T4W

Iso-Footcandle Lines of Horizontal Illumination



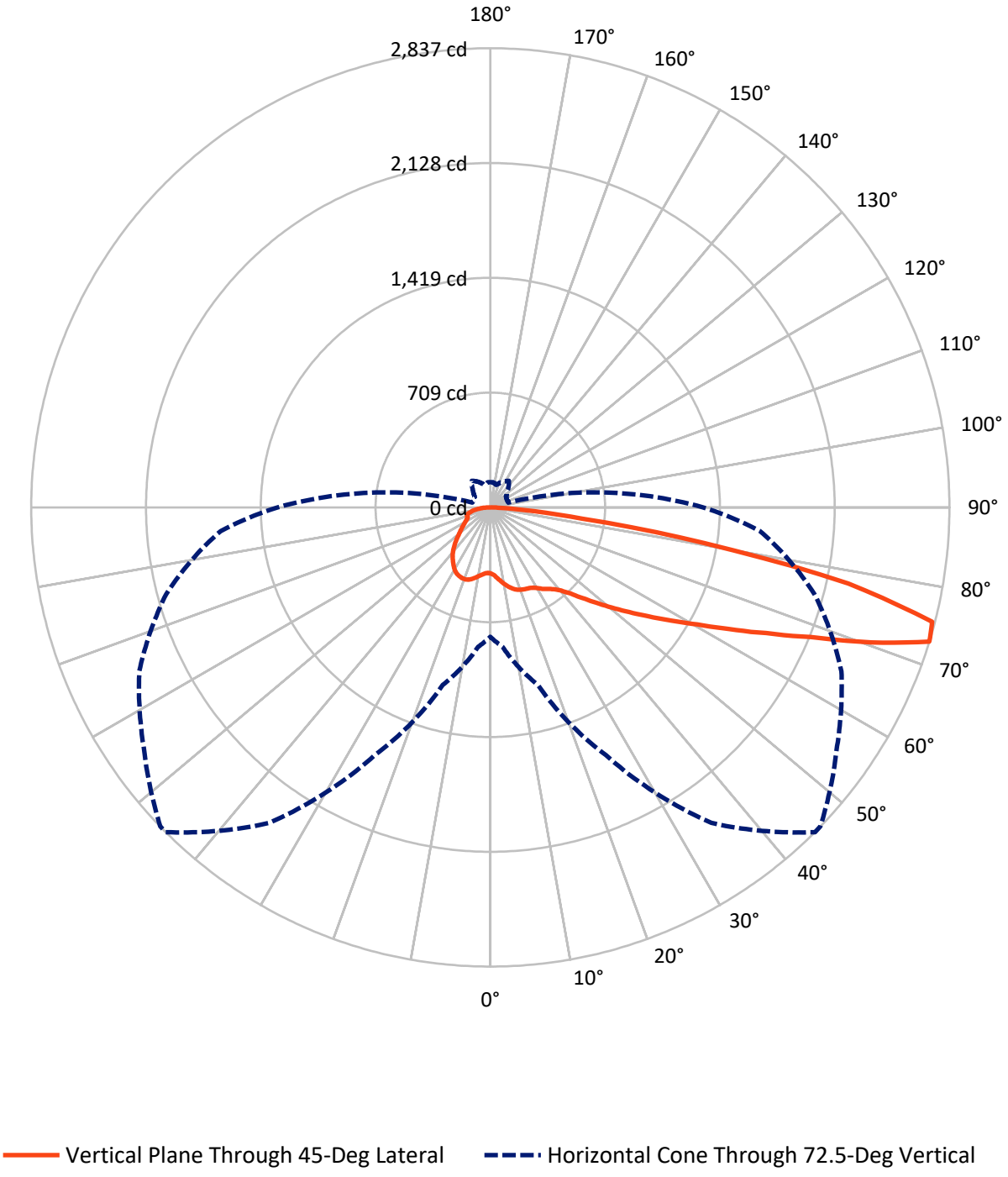
Based on 10 foot mounting height. Maximum calculated value = 4.7 fc
Type IV - Short - N/A

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Luminous Intensity Polar Plot



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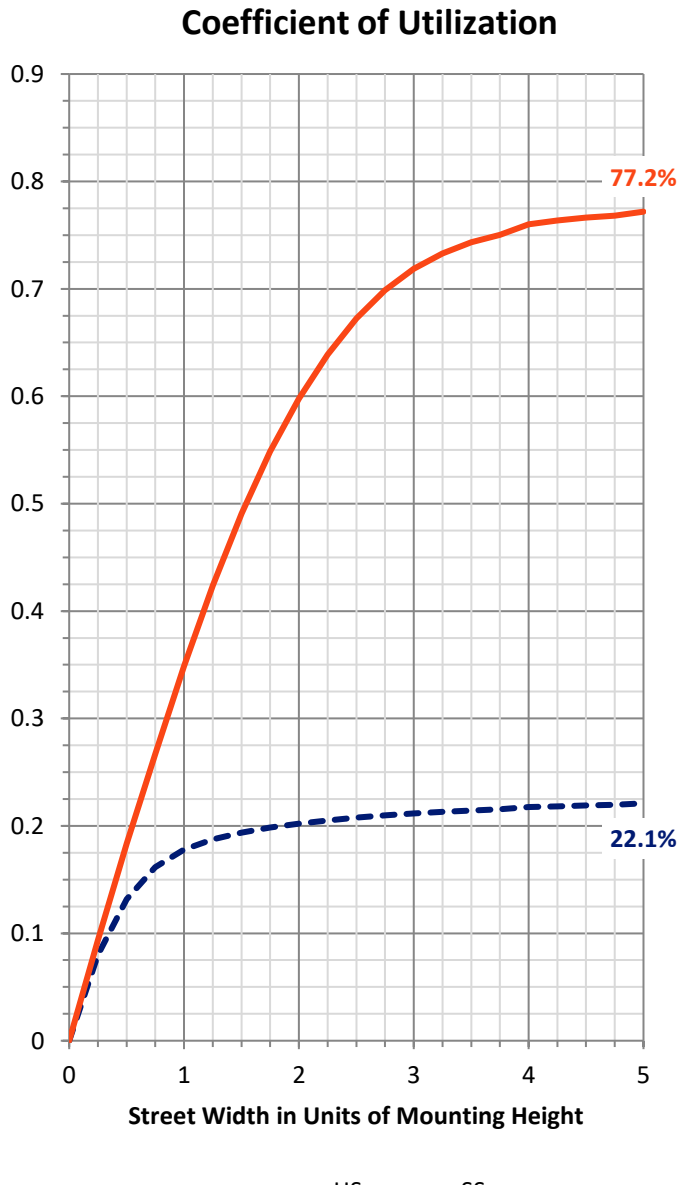
REPORT NUMBER: P1201255
CATALOG NUMBER: GWC-SB1A-830-U-T4W

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	914.2	0.0	914.2
	% Fixture	22.6	0.0	22.6
Street Side	Lumens	3129.8	0.0	3129.8
	% Fixture	77.4	0.0	77.4
Total	Lumens	4044.0	0.0	4044.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	41.5	1.0
10°-20°	138.4	3.4
20°-30°	240.8	6.0
30°-40°	345.2	8.5
40°-50°	486.1	12.0
50°-60°	744.6	18.4
60°-70°	1078.6	26.7
70°-80°	861.4	21.3
80°-90°	107.3	2.7
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°	4044.0	100.0
0°-180°	4044.0	100.0



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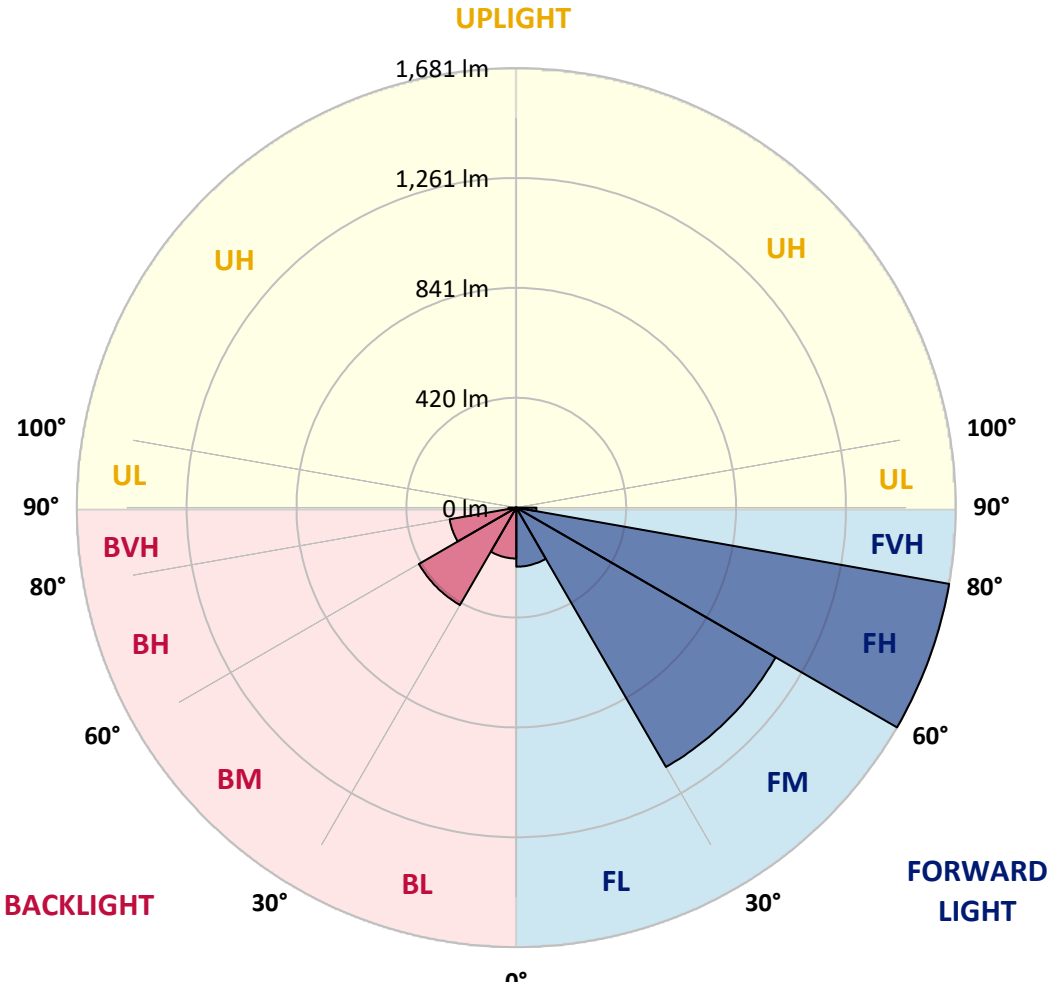
Scaled Data Report

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CATALOG NUMBER: GWC-SB1A-830-U-T4W

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	226.1	5.6			
FM	(30°-60°)	1145.5	28.3			
FH	(60°-80°)	1681.2	41.6			G1/1800
FVH	(80°-90°)	77.0	1.9			G1/100
BL	(0°-30°)	194.6	4.8	B1/500		
BM	(30°-60°)	430.5	10.6	B1/1000		
BH	(60°-80°)	258.8	6.4	B1/500		G1/500
BVH	(80°-90°)	30.3	0.7			G1/100
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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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	46°	55°	65°	75°	85°
0°	408.0	408.0	408.0	408.0	408.0	408.0	408.0	408.0	408.0	408.0	408.0
2.5°	423.9	426.7	424.2	421.8	420.7	418.0	417.8	416.1	415.0	412.0	411.2
5°	453.6	457.2	452.9	448.2	444.0	437.1	436.3	431.4	425.9	419.5	415.8
7.5°	487.0	490.2	485.3	478.3	470.8	459.5	459.3	450.4	441.6	430.8	424.6
10°	516.2	520.4	513.8	504.3	494.9	482.1	480.6	470.4	459.3	445.2	435.9
12.5°	542.0	544.9	538.6	526.8	516.0	503.2	501.3	490.0	477.6	461.6	449.7
15°	562.4	566.2	557.7	545.2	533.7	521.1	519.4	509.2	496.8	480.0	464.6
17.5°	575.8	579.0	570.3	556.2	545.2	534.7	533.4	524.9	514.1	497.0	480.6
20°	580.9	584.4	575.2	560.9	550.7	542.6	542.0	535.8	528.3	512.8	496.2
22.5°	586.1	589.3	577.3	562.4	553.5	548.4	548.1	544.1	541.1	528.3	512.1
25°	606.7	607.6	591.6	570.1	557.3	552.8	552.6	552.4	553.7	543.7	529.4
27.5°	624.6	624.4	610.8	590.5	570.7	561.3	561.1	563.3	567.3	559.0	547.3
30°	650.8	648.5	632.3	611.2	593.1	578.6	577.3	575.4	578.6	572.0	565.2
32.5°	706.4	699.0	672.8	635.3	611.6	600.5	598.8	586.9	588.2	584.1	580.7
35°	786.1	776.3	741.4	680.9	634.6	618.9	618.0	602.9	600.3	596.7	598.0
37.5°	880.9	868.8	828.1	746.9	674.3	640.2	638.9	625.3	614.8	611.0	618.2
40°	976.1	960.8	927.1	827.4	732.6	675.7	671.7	651.0	639.1	632.7	648.1
42.5°	1068.6	1055.8	1027.0	917.8	804.6	727.7	718.8	683.4	674.5	668.5	696.2
45°	1150.4	1138.9	1117.8	1014.3	889.0	798.5	789.7	732.0	729.2	729.2	769.3
47.5°	1216.9	1214.3	1191.9	1112.7	988.5	879.0	863.9	799.5	807.0	818.5	873.0
50°	1290.6	1283.5	1259.7	1209.6	1105.4	971.2	958.9	882.4	910.3	941.8	1023.0
52.5°	1358.3	1362.1	1335.5	1310.6	1237.5	1074.1	1052.4	980.2	1040.5	1092.7	1198.7
55°	1428.0	1428.2	1420.7	1417.3	1376.0	1187.9	1164.0	1097.8	1193.6	1258.4	1403.7
57.5°	1493.4	1493.8	1504.9	1534.9	1536.6	1319.1	1292.1	1242.2	1363.8	1429.9	1615.0
60°	1551.7	1554.7	1585.0	1655.3	1677.9	1469.5	1443.9	1412.8	1539.8	1606.3	1837.2
62.5°	1571.3	1582.2	1649.5	1749.4	1817.4	1654.0	1628.9	1610.3	1724.7	1786.5	2023.0
65°	1538.1	1563.0	1693.2	1827.2	1961.0	1873.2	1848.3	1828.0	1916.9	1975.0	2175.5
67.5°	1456.5	1488.7	1690.6	1908.8	2135.2	2136.9	2113.7	2066.2	2122.9	2145.3	2225.1
70°	1241.6	1289.7	1541.7	1939.3	2335.3	2497.6	2475.2	2353.0	2328.5	2220.2	2085.4
72.5°	799.9	864.7	1135.3	1688.5	2379.8	2837.0	2835.7	2611.8	2393.4	2074.5	1672.5
75°	291.9	331.5	527.5	1059.8	1997.6	2819.7	2828.0	2567.5	2184.9	1602.4	1042.0
77.5°	106.3	116.3	172.1	407.3	1228.6	2262.4	2279.7	2052.6	1555.2	804.2	412.9
80°	55.8	61.4	88.2	158.1	526.4	1343.6	1370.7	1219.8	730.9	242.2	123.8
82.5°	30.9	33.4	49.4	85.9	237.1	574.6	590.7	481.9	257.1	102.7	51.1
85°	16.6	17.7	23.2	46.9	115.9	199.2	203.7	144.0	102.5	60.3	24.7
87.5°	4.9	6.0	7.7	14.9	45.4	44.7	45.8	28.5	40.5	30.5	8.1
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: P1201255
CATALOG NUMBER: GWC-SB1A-830-U-T4W

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	408.0	408.0	408.0	408.0	408.0	408.0	408.0	408.0	408.0	408.0	408.0
2.5°	409.9	409.2	406.9	405.8	404.6	404.3	405.4	405.6	405.8	406.0	406.9
5°	413.7	411.6	409.5	408.2	408.6	408.8	410.9	412.4	413.5	414.4	414.8
7.5°	421.2	419.5	415.8	415.6	416.3	418.2	421.0	424.4	426.3	427.8	428.2
10°	432.2	429.1	424.8	425.4	426.7	429.5	435.2	438.0	441.2	444.0	443.3
12.5°	443.5	440.8	435.9	436.3	438.4	443.3	448.9	452.3	454.4	456.5	457.4
15°	458.2	453.3	448.0	448.0	451.8	457.2	459.7	462.5	463.8	466.1	467.0
17.5°	473.4	467.0	459.9	459.5	464.2	466.8	468.2	468.7	469.1	471.7	472.5
20°	488.5	481.5	471.4	470.6	471.7	471.2	471.0	470.6	471.2	474.4	475.7
22.5°	503.4	495.3	481.5	477.6	474.6	470.6	470.4	470.2	470.6	473.8	475.9
25°	520.9	511.1	492.5	481.0	471.0	465.5	466.1	466.3	466.8	469.3	472.7
27.5°	539.8	529.0	502.8	480.0	461.9	458.0	457.0	457.6	459.1	463.1	467.2
30°	558.8	546.0	512.1	475.7	450.4	445.0	441.6	443.1	447.8	451.8	456.3
32.5°	576.0	563.3	519.6	466.3	435.7	427.3	422.9	424.8	429.5	431.0	436.3
35°	596.3	581.8	522.8	451.4	419.7	406.9	400.9	398.2	400.5	399.0	403.7
37.5°	618.9	603.7	522.4	431.8	400.9	386.2	377.9	367.5	362.6	357.5	360.7
40°	652.3	630.6	517.2	408.2	377.7	364.3	349.4	331.7	320.6	310.6	311.2
42.5°	697.9	667.9	507.9	382.2	351.5	338.9	318.7	298.0	280.6	263.9	262.5
45°	765.9	716.6	496.2	354.5	323.2	310.8	288.9	265.7	245.8	224.5	222.0
47.5°	863.9	782.3	485.1	323.0	293.3	282.1	262.2	240.7	217.3	196.6	194.3
50°	998.5	876.4	474.9	292.3	263.9	255.4	239.7	217.7	194.1	177.5	176.4
52.5°	1169.8	1004.5	470.6	262.7	236.5	233.3	220.7	200.3	177.9	163.8	162.8
55°	1366.4	1157.6	470.6	234.3	212.4	213.5	204.7	185.8	166.4	153.8	152.5
57.5°	1567.1	1312.7	462.1	208.1	191.9	196.4	190.9	174.3	156.8	143.8	141.7
60°	1752.0	1442.7	427.6	184.3	173.8	180.9	177.2	163.0	141.7	130.8	129.1
62.5°	1894.1	1516.0	361.1	165.3	158.9	167.0	165.1	148.1	138.9	134.4	132.9
65°	1965.2	1504.0	276.1	148.5	146.4	158.9	154.9	154.2	147.0	141.9	140.2
67.5°	1921.6	1401.3	200.3	136.1	139.1	151.5	167.0	169.6	156.2	146.1	144.4
70°	1730.1	1215.6	149.1	124.4	130.0	151.7	190.5	177.5	153.2	141.5	139.5
72.5°	*1316.1*	*906.5*	*115.7*	*112.1*	*118.0*	*152.7*	*200.9*	*173.8*	*144.7*	*156.4*	*155.1*
75°	752.7	497.6	92.9	96.9	103.1	142.7	195.6	164.5	138.0	143.6	143.6
77.5°	287.0	191.3	76.7	82.0	82.9	124.6	187.0	163.8	131.4	128.2	117.0
80°	99.5	74.8	63.5	65.2	64.1	110.8	179.4	142.5	107.6	96.3	93.1
82.5°	40.7	37.3	50.3	48.1	45.6	86.1	144.9	116.5	88.0	77.8	76.9
85°	17.7	23.6	33.2	29.2	26.4	59.6	116.1	98.6	74.3	64.1	63.9
87.5°	3.6	8.9	14.1	13.2	13.6	39.8	82.4	70.1	52.6	39.4	30.9
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

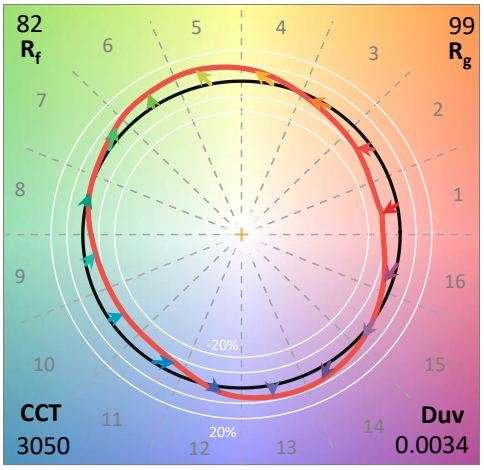
Test Information

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

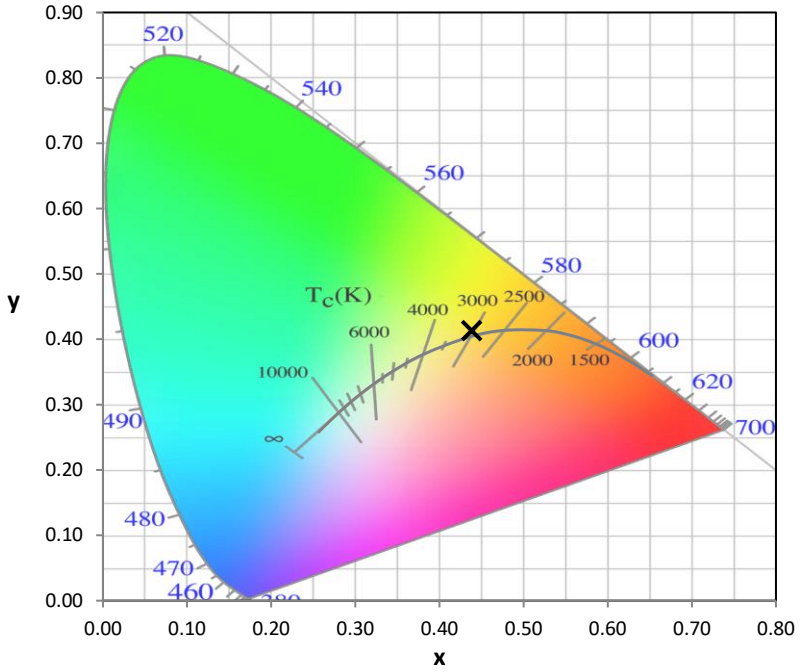
Stabilization Time:	20M
Operation Time:	1H 20M
Sphere Temperature (°C):	24.2

REPORT NUMBER: SP1-2408-195-9

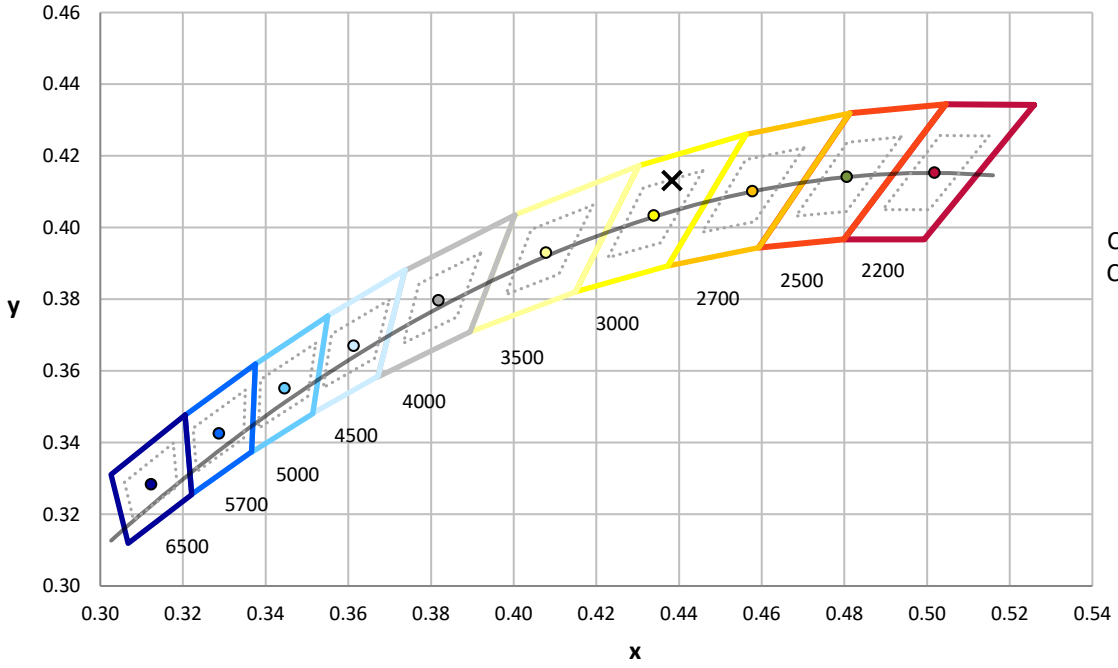
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

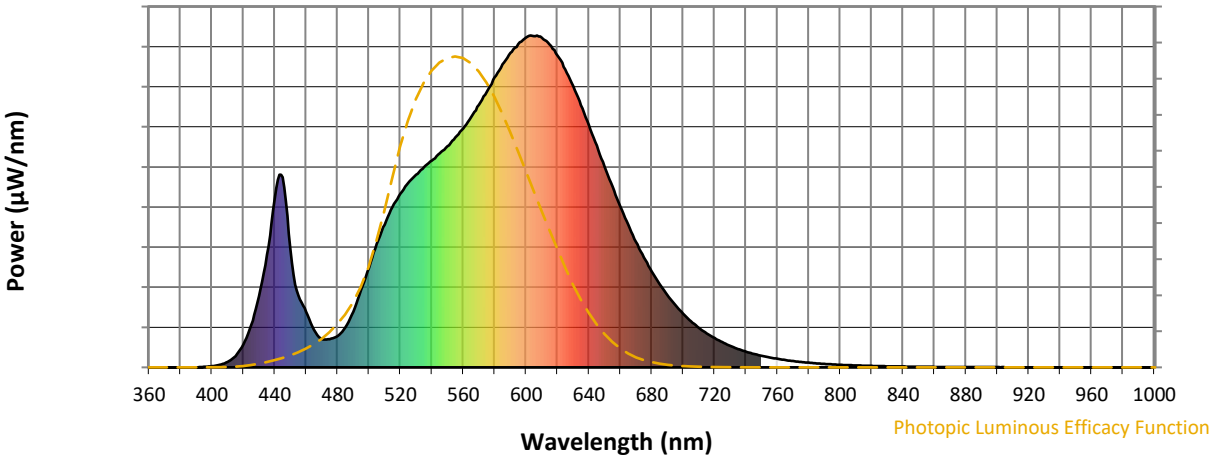


CCT = 3050K
CIE x = 0.4383
CIE y = 0.4131
Duv = 0.0034

Point lies inside the ANSI 3000K 4-step quadrangle

REPORT NUMBER: SP1-2408-195-9

Photopic Flux vs. Wavelength

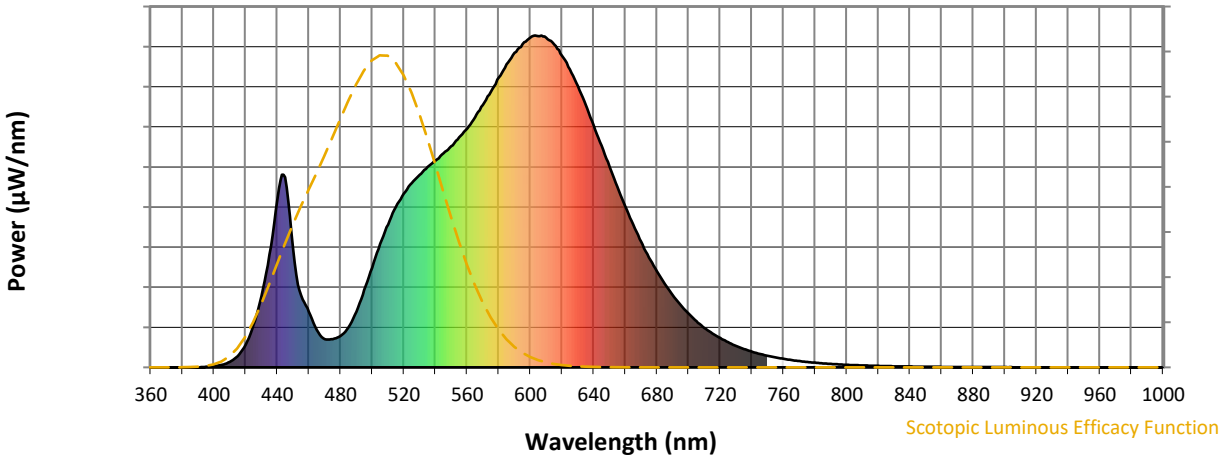


Photopic Lumens: NR

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			

REPORT NUMBER: SP1-2408-195-9

Scotopic Flux vs. Wavelength

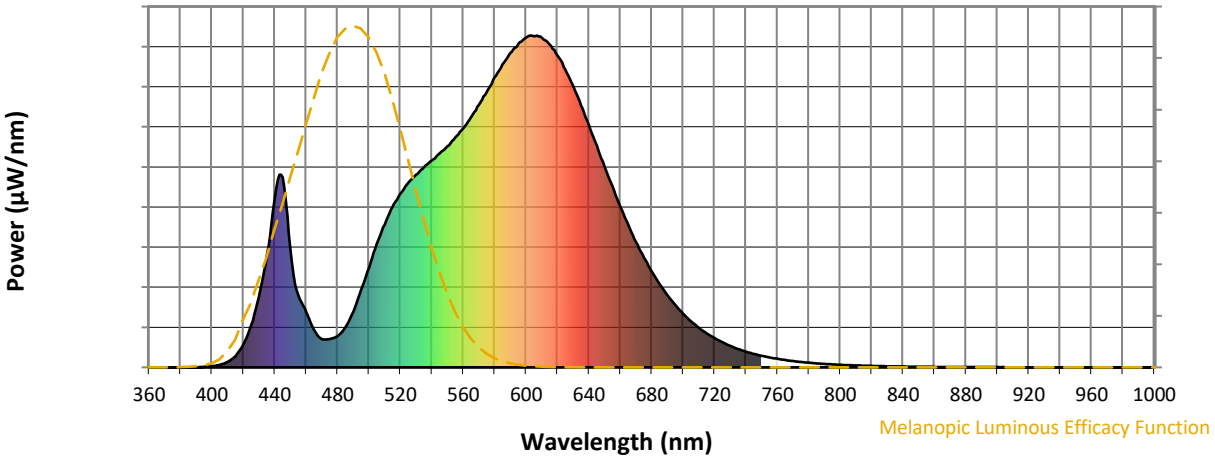


Scotopic Lumens: NR **S/P: 1.27**

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			

REPORT NUMBER: SP1-2408-195-9

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			

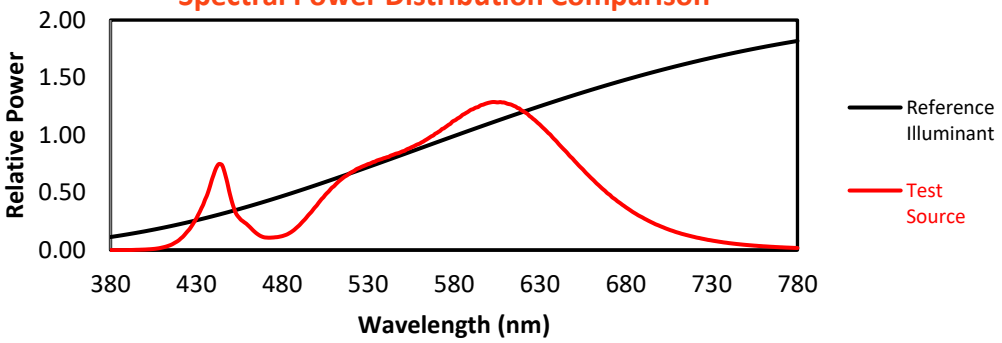
REPORT NUMBER: SP1-2408-195-9

TM-30-18

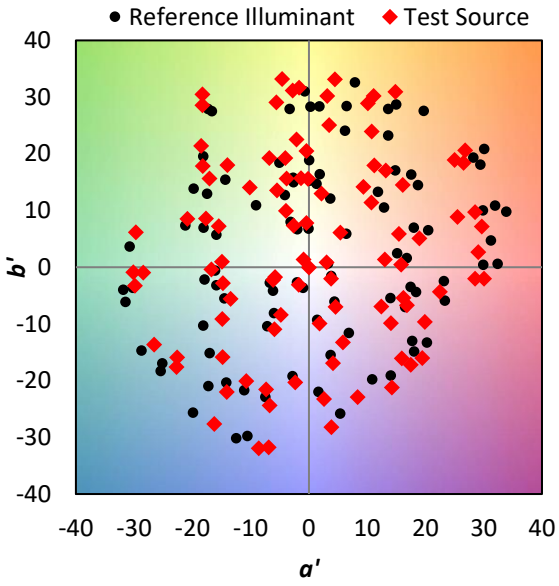
Summary

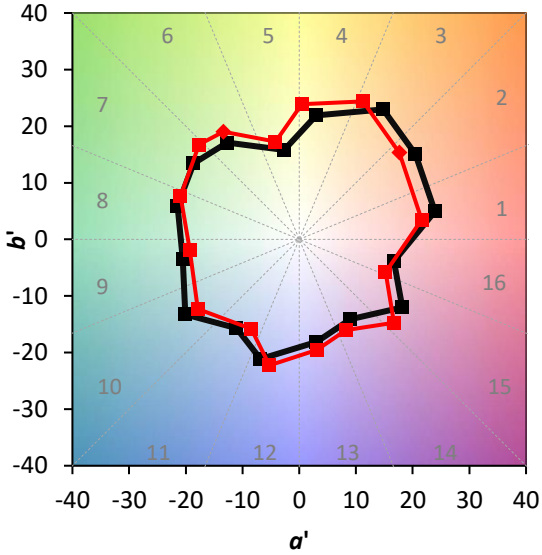
R_f = 81.5
R_g = 99.2
CIE R_a = 81.0
R_9 = 7.1

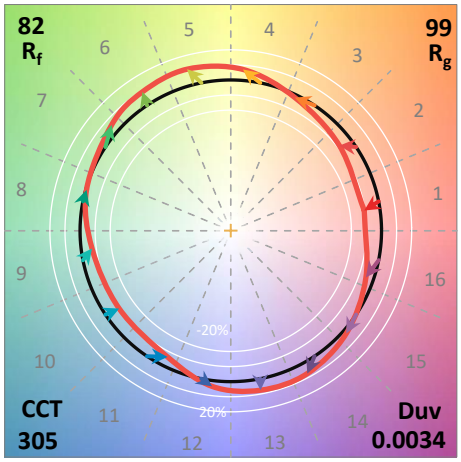
Spectral Power Distribution Comparison

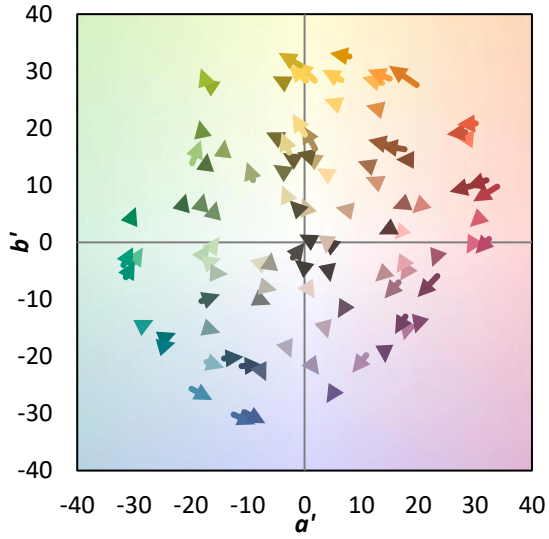


Color Vector Graphics







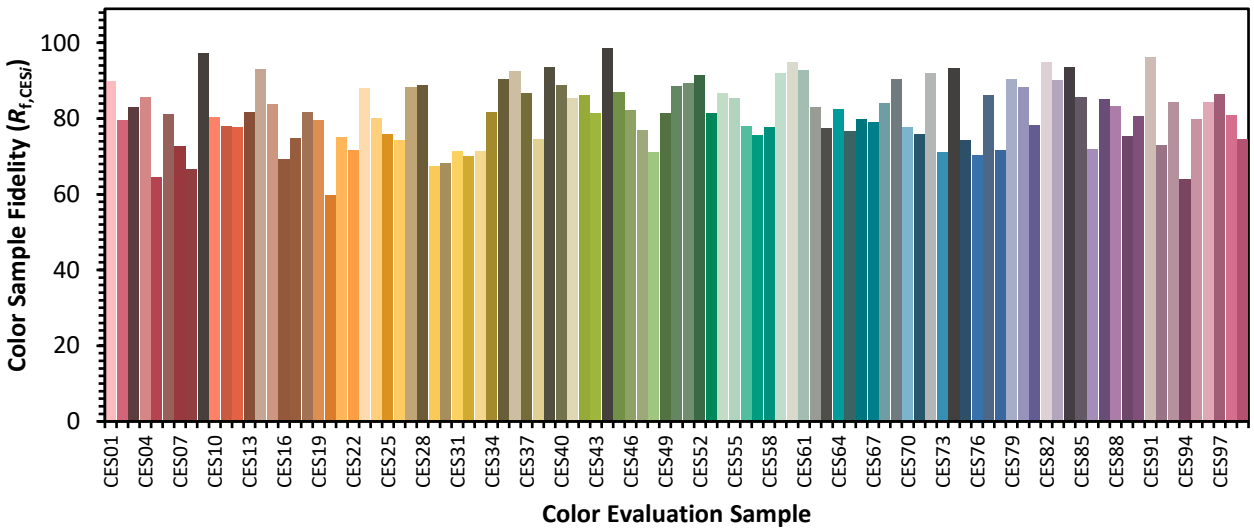


REPORT NUMBER: SP1-2408-195-9

TM-30-18

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

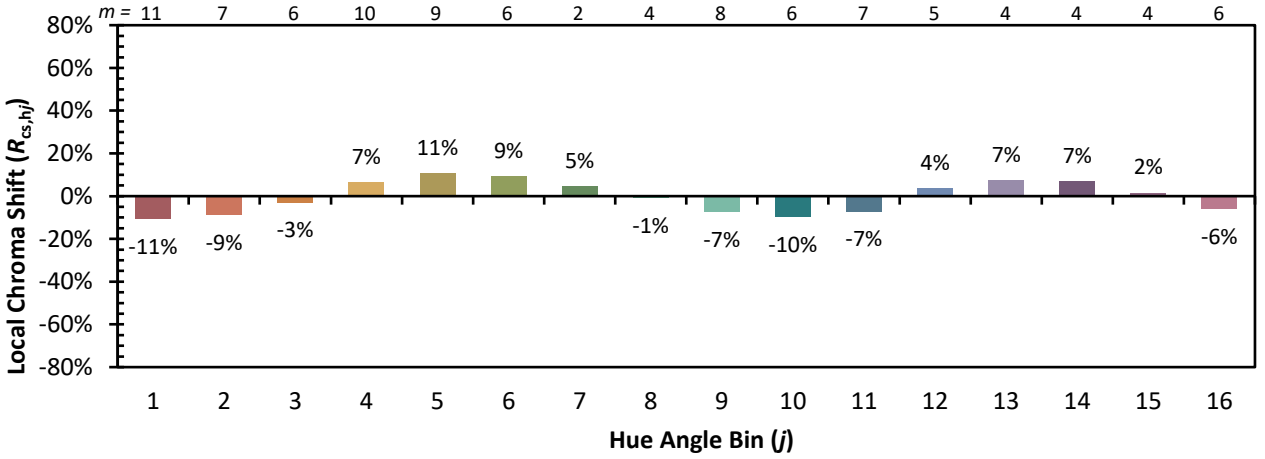
CES01 = 86	CES26 = 74	CES51 = 89	CES76 = 70
CES02 = 63	CES27 = 88	CES52 = 92	CES77 = 86
CES03 = 31	CES28 = 89	CES53 = 81	CES78 = 72
CES04 = 70	CES29 = 67	CES54 = 87	CES79 = 90
CES05 = 50	CES30 = 68	CES55 = 85	CES80 = 88
CES06 = 51	CES31 = 71	CES56 = 78	CES81 = 78
CES07 = 42	CES32 = 70	CES57 = 76	CES82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

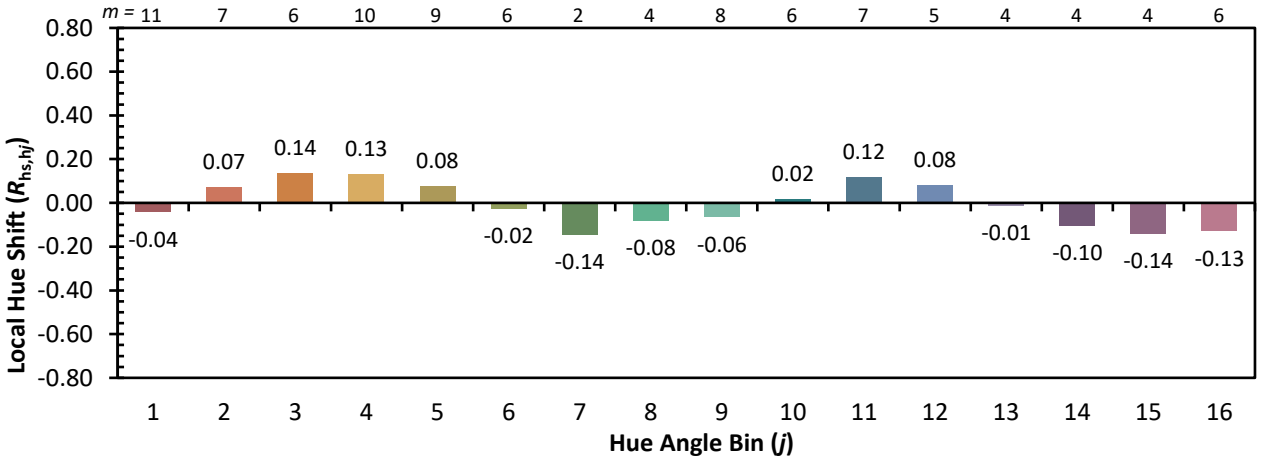


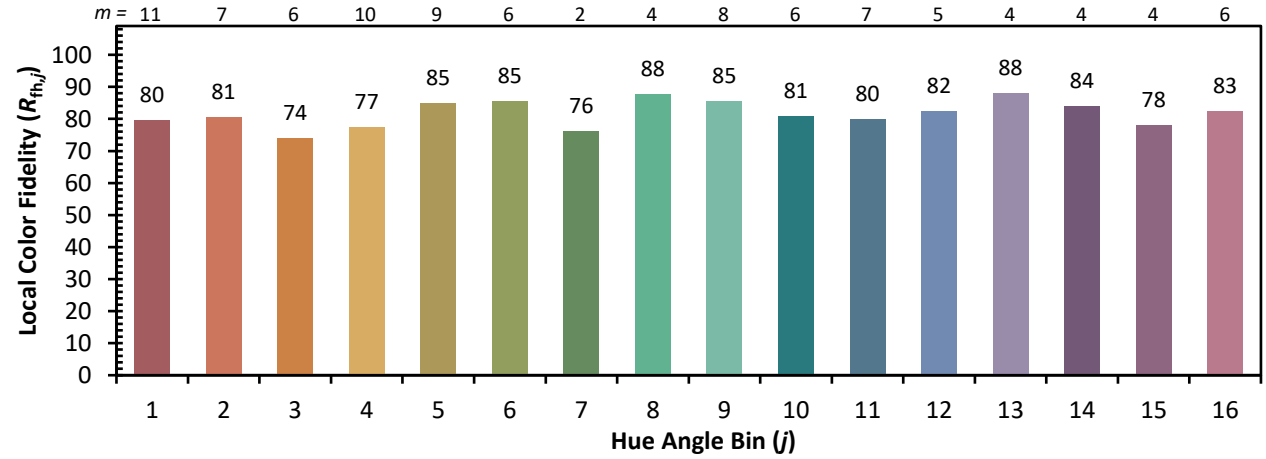
REPORT NUMBER: SP1-2408-195-9

TM-30-18

Color Rendition by Hue-Angle Bin



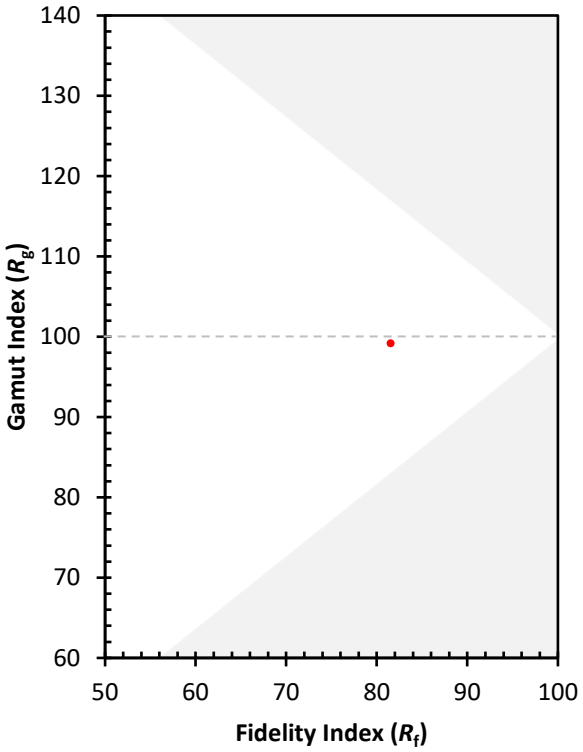


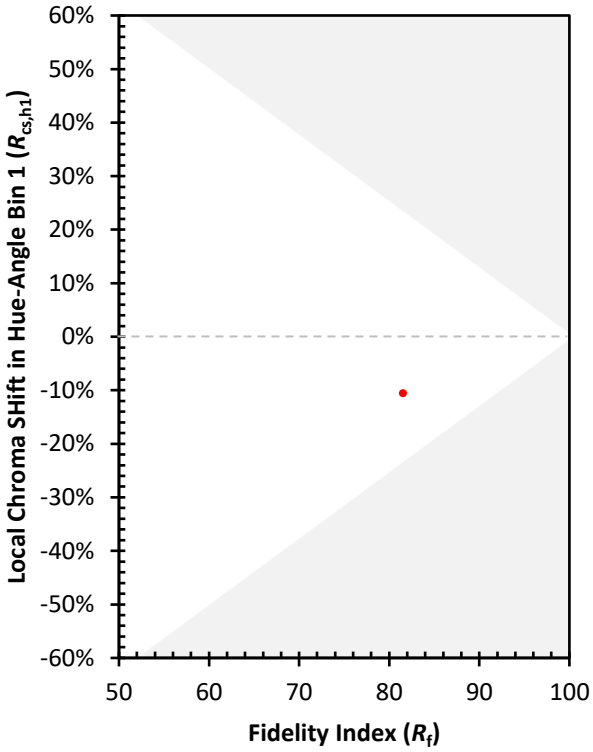


REPORT NUMBER: SP1-2408-195-9

TM-30-18

Measure Comparisons





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