Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

Scaled data based on original data using

LM-79-2019 Approved Method: Electrical and Photometric Measurements of Solid-State Lighting Products

Test Report Prepared for

Cooper Lighting Solutions

Brand: McGRAW-EDISON

Report Number: P629595

Luminaire Tested: GWS-SA1B-830-U-T3R-W

Issue Date: 1/10/2023

Report Generated By 670246102 / DESKTOP-G35701P

Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

Scaled Data Report

Test Information

Test Method:	LM-79-2019
Report Number:	P629595
	TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-15)
Test Lab:	COOPER LIGHTING SOLUTIONS
Issue Date:	1/10/2023
Manufacturer:	COOPER LIGHTING SOLUTIONS
Product Line:	McGRAW-EDISON
Catalog Number:	GWS-SA1B-830-U-T3R-W
Description:	GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III ROADWAY OPTICS
Light Source:	(16) 3000K CCT, 80 CRI LEDS
Ballast/Driver:	-

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	2894.4 lumens
Efficiency:	N/A
Efficacy:	115.8 lumens/watt
Luminous Opening:	Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification:	Type III - Medium
BUG Rating:	B1 - U0 - G1

Input Watts (W):	25
Input Voltage (V):	120
Input Current (Ain):	NR
Voltage Rise (V):	NR
Power Factor:	NR
Total Harmonic Distortion (THDi):	NR
Frequency (hertz):	0
Stabilization Time:	NR
Operation Time:	NR
Ambient Temperature (°C):	NR
Test Distance:	28.75 FT

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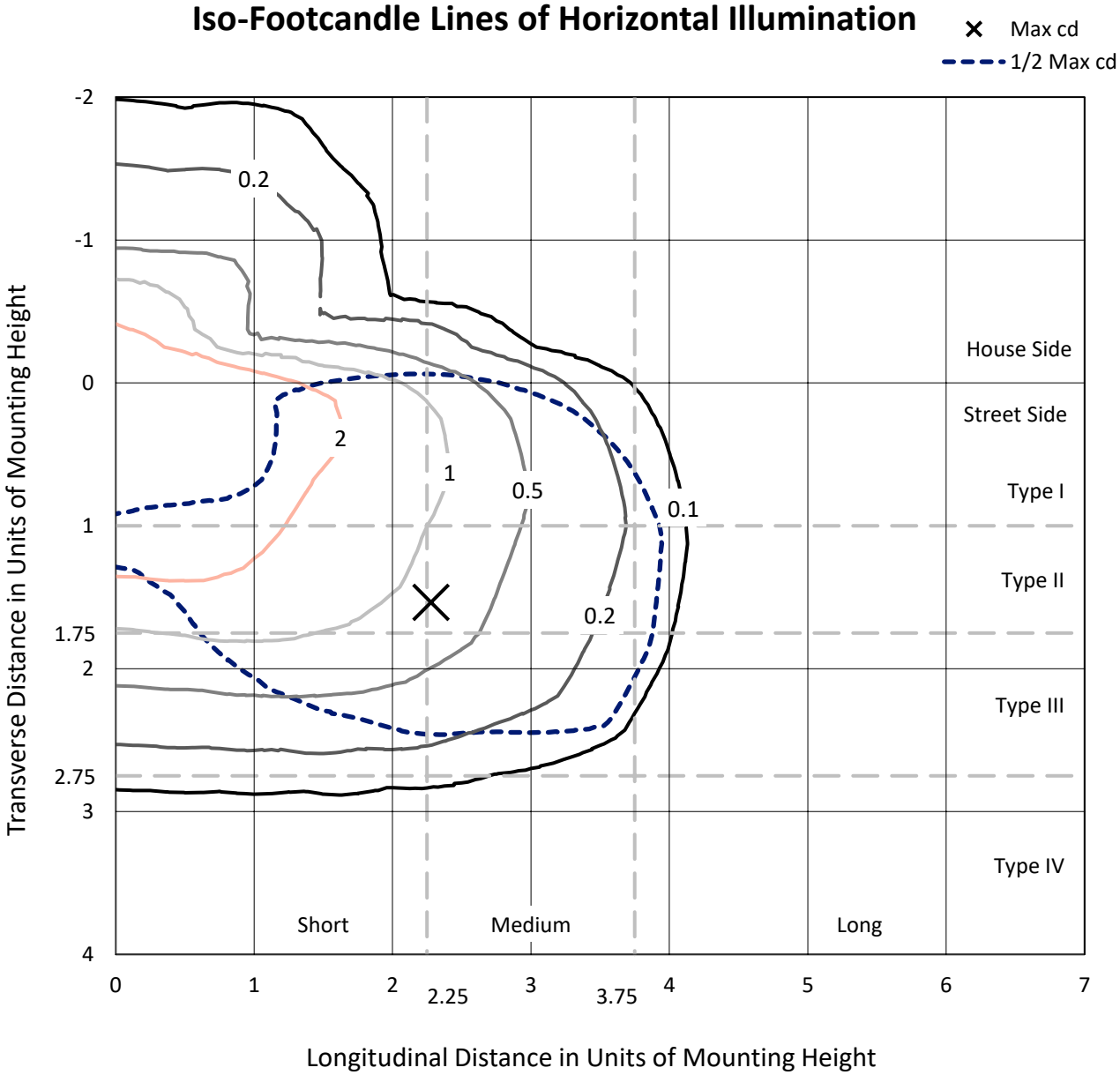
REPORT NUMBER: P629595
CATALOG NUMBER: GWS-SA1B-830-U-T3R-W

Iso-Footcandle Lines of Horizontal Illumination



Based on 10 foot mounting height. Maximum calculated value = 4.8 fc
Type III - Medium - N/A

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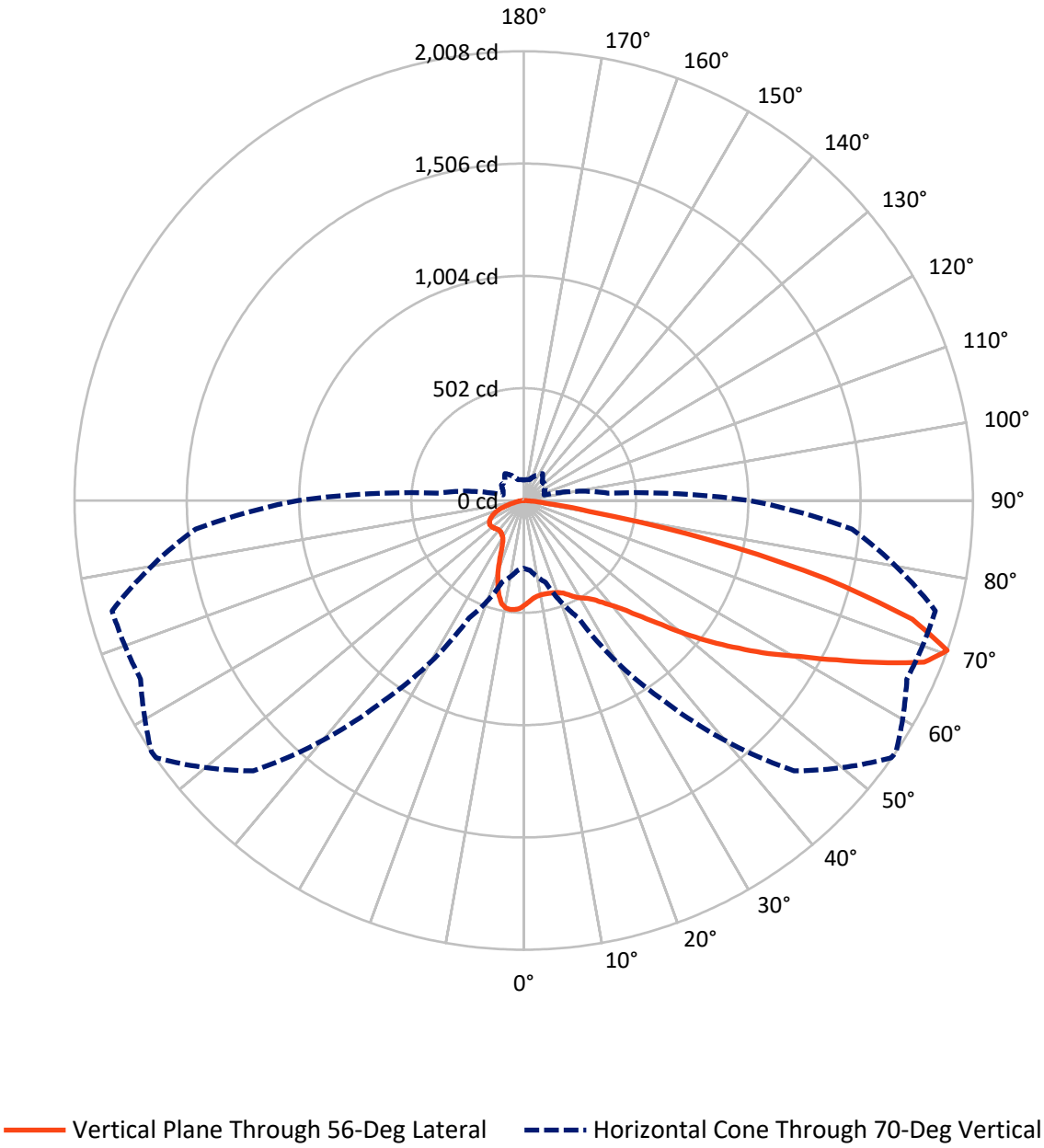
Luminous Intensity Polar Plot



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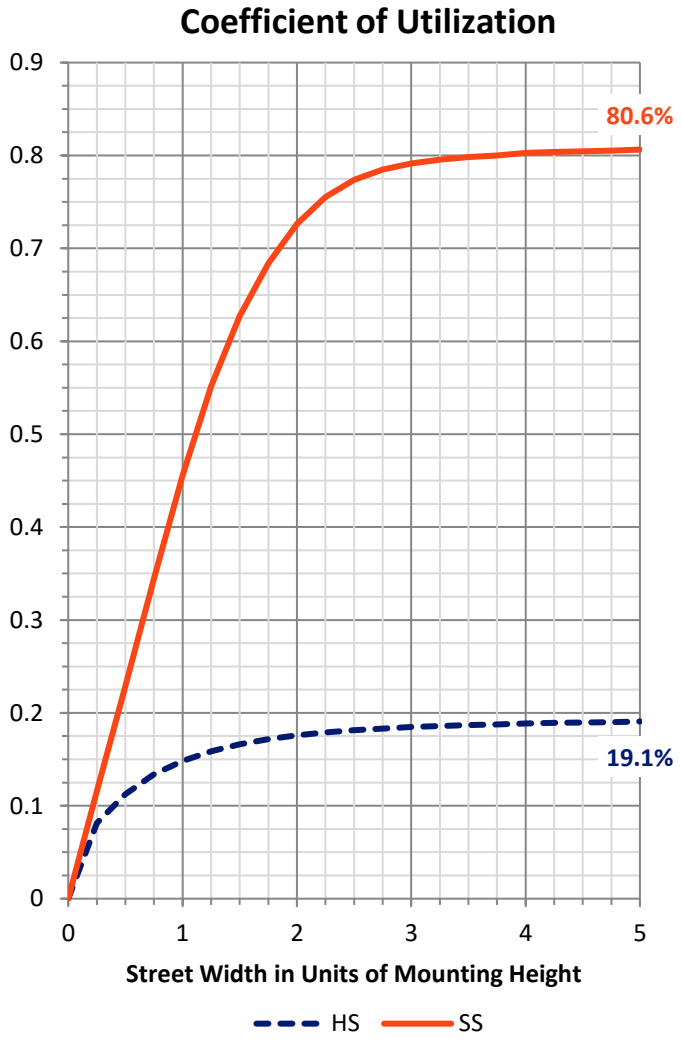
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	556.5	0.0	556.5
	% Fixture	19.2	0.0	19.2
Street Side	Lumens	2338.0	0.0	2338.0
	% Fixture	80.8	0.0	80.8
Total	Lumens	2894.4	0.0	2894.4
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	43.2	1.5
10°-20°	117.1	4.0
20°-30°	193.7	6.7
30°-40°	289.6	10.0
40°-50°	430.9	14.9
50°-60°	612.6	21.2
60°-70°	758.8	26.2
70°-80°	419.0	14.5
80°-90°	29.5	1.0
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°	2894.4	100.0
0°-180°	2894.4	100.0



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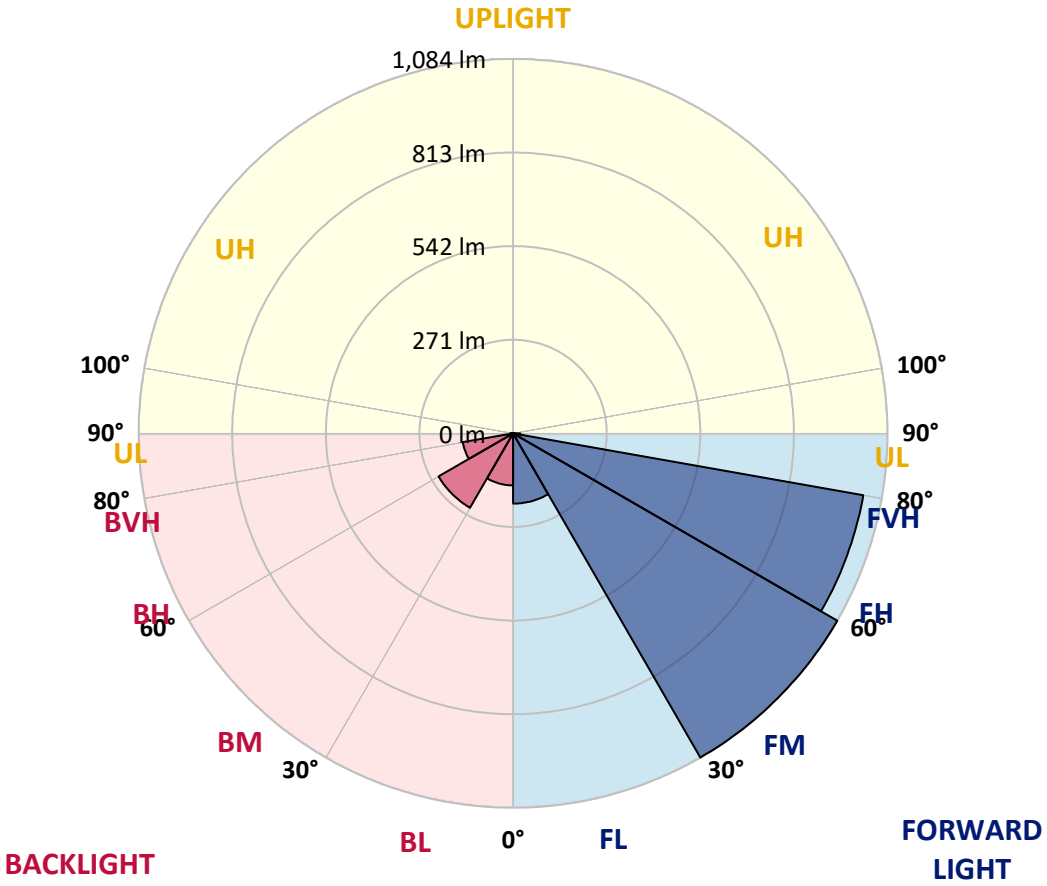
LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	203.4	7.0			
FM	(30°-60°)	1084.2	37.5			
FH	(60°-80°)	1029.8	35.6			G1/1800
FVH	(80°-90°)	20.5	0.7			G1/100
BL	(0°-30°)	150.6	5.2	B1/500		
BM	(30°-60°)	248.9	8.6	B1/1000		
BH	(60°-80°)	147.9	5.1	B1/500		G1/500
BVH	(80°-90°)	9.0	0.3			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 III Medium



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REPORT NUMBER: P629595
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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	56°	65°	75°	85°
0°	467.2	467.2	467.2	467.2	467.2	467.2	467.2	467.2	467.2	467.2	467.2
2.5°	437.2	434.7	437.6	439.0	442.7	448.0	452.7	452.9	455.4	461.3	467.0
5°	417.4	416.2	417.0	421.3	425.2	431.9	439.0	439.6	446.6	458.2	469.6
7.5°	402.1	400.5	403.5	409.0	413.9	421.5	430.9	431.7	441.5	459.0	476.6
10°	380.0	378.8	384.5	391.9	402.5	414.9	427.4	428.4	441.3	464.3	488.8
12.5°	370.5	370.5	372.9	379.8	391.5	408.0	426.8	428.4	444.5	472.5	504.6
15°	385.4	386.4	384.3	383.9	388.6	404.3	427.6	430.1	450.7	480.9	520.1
17.5°	415.4	416.4	411.1	402.7	398.0	407.8	430.7	433.3	457.2	490.1	536.8
20°	457.4	458.6	447.0	434.1	418.0	417.8	436.6	439.0	465.6	500.1	554.6
22.5°	506.6	507.4	492.7	472.3	447.6	436.4	446.8	449.2	476.4	513.9	573.7
25°	563.5	566.0	548.2	518.6	485.2	461.9	463.7	466.6	495.8	532.5	596.4
27.5°	624.4	627.4	607.0	574.4	528.2	490.1	485.6	488.0	516.4	543.9	608.4
30°	686.6	688.9	668.5	631.1	574.6	521.9	503.9	505.4	525.4	549.5	620.7
32.5°	755.8	754.0	734.4	691.3	628.0	560.1	521.1	520.7	535.4	560.5	638.2
35°	820.7	823.4	802.5	755.0	686.8	607.2	546.8	545.2	556.6	578.4	662.9
37.5°	899.3	898.5	873.6	822.1	745.8	652.3	582.9	580.1	584.2	606.4	697.4
40°	955.4	961.1	945.0	897.0	814.8	707.8	625.2	618.9	619.9	640.9	743.6
42.5°	1001.3	1006.7	1008.3	977.7	893.8	776.4	677.8	671.5	672.1	701.9	800.3
45°	1036.7	1043.8	1066.9	1057.9	982.8	855.6	749.1	742.5	742.9	776.0	868.9
47.5°	1051.2	1058.9	1105.6	1127.1	1077.3	950.3	837.7	828.1	829.5	866.0	947.3
50°	1046.5	1056.9	1120.1	1180.4	1156.5	1046.7	943.6	936.9	931.3	984.4	1032.4
52.5°	1006.0	1017.5	1118.7	1214.2	1221.2	1137.7	1053.0	1049.1	1047.9	1110.1	1127.5
55°	887.0	906.2	1069.5	1223.2	1271.8	1223.4	1171.6	1165.0	1171.4	1244.8	1223.6
57.5°	821.1	835.4	973.2	1213.2	1313.2	1305.1	1290.0	1290.6	1297.7	1391.2	1340.2
60°	783.6	800.3	919.7	1185.9	1353.0	1404.3	1413.8	1413.8	1426.7	1549.0	1458.5
62.5°	733.8	750.7	869.7	1133.2	1389.8	1521.0	1569.6	1569.0	1574.1	1718.2	1574.3
65°	632.7	648.4	769.3	1050.1	1407.7	1649.6	1746.5	1744.7	1734.5	1868.8	1650.8
67.5°	459.4	474.3	589.3	892.2	1343.0	1753.3	1928.8	1929.6	1868.6	1963.7	1654.9
70°	302.9	313.1	378.8	579.5	1092.2	1708.6	2005.1	2007.6	1889.2	1904.5	1472.8
72.5°	189.0	196.1	236.6	345.6	645.4	1352.4	1809.2	1815.9	1699.6	1673.7	1210.1
75°	125.5	130.4	157.4	201.5	298.6	731.9	1375.3	1396.9	1362.2	1312.0	843.2
77.5°	75.5	79.6	100.2	128.0	132.3	286.0	802.8	858.7	863.6	685.0	353.1
80°	34.5	39.2	55.3	73.1	70.4	99.6	283.1	296.2	349.4	217.6	111.4
82.5°	20.4	22.5	36.7	36.3	30.0	48.4	101.8	104.5	88.8	79.6	47.6
85°	8.2	9.6	15.5	13.7	11.0	15.7	38.4	40.2	38.6	34.7	17.6
87.5°	0.0	0.0	0.0	0.0	0.2	0.4	3.5	3.7	5.3	9.6	5.3
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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REPORT NUMBER: P629595
CATALOG NUMBER: GWS-SA1B-830-U-T3R-W

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	467.2	467.2	467.2	467.2	467.2	467.2	467.2	467.2	467.2	467.2	467.2
2.5°	470.7	469.4	475.6	480.3	482.3	484.3	482.5	481.9	481.9	477.8	475.8
5°	475.8	476.4	484.8	488.6	488.6	487.0	482.1	478.6	477.4	472.1	470.7
7.5°	485.4	488.0	495.8	495.6	489.9	480.9	468.6	459.2	450.7	447.0	444.7
10°	501.1	504.6	509.9	501.3	485.4	461.7	435.8	415.4	403.1	393.3	393.3
12.5°	519.0	522.3	521.3	501.5	468.6	424.3	387.0	363.5	346.4	337.4	337.4
15°	537.0	539.7	528.6	492.1	433.7	374.7	333.9	305.8	290.9	282.5	282.5
17.5°	555.2	555.0	531.7	470.5	388.2	319.8	279.8	258.0	252.9	251.5	251.3
20°	572.7	568.0	527.8	434.3	335.3	264.5	239.2	240.6	248.2	251.5	251.9
22.5°	592.5	580.9	516.4	388.2	275.3	226.2	227.8	239.6	250.6	255.5	256.2
25°	612.7	591.9	497.2	334.1	225.1	212.1	224.7	238.0	250.4	256.8	257.4
27.5°	620.9	591.9	464.5	271.5	198.4	206.1	220.0	232.9	245.9	253.3	254.7
30°	627.6	586.8	418.8	214.9	187.4	200.4	212.5	224.3	237.2	246.2	247.8
32.5°	637.0	582.3	363.5	180.6	182.3	194.9	203.3	213.3	224.9	230.8	230.2
35°	648.0	575.4	296.8	164.3	178.0	190.2	196.1	202.1	196.8	196.6	197.2
37.5°	663.8	569.3	238.6	157.0	175.1	187.0	191.9	179.2	171.9	168.8	167.6
40°	686.4	566.8	188.2	152.7	174.7	186.8	183.3	163.7	153.7	143.1	142.9
42.5°	715.0	565.0	155.5	150.6	176.1	191.5	171.4	153.5	132.9	128.2	127.8
45°	751.7	562.1	139.2	150.2	179.6	195.1	170.2	139.4	125.3	123.3	123.3
47.5°	796.0	557.6	131.9	150.2	183.5	193.5	166.6	136.3	121.9	124.1	125.5
50°	846.8	551.9	128.0	149.8	187.4	193.5	158.8	135.7	121.0	132.7	137.4
52.5°	901.1	545.4	125.3	148.2	190.0	193.7	159.2	137.8	121.9	134.7	138.6
55°	961.1	544.4	121.6	144.7	190.8	188.4	160.2	142.3	123.1	122.1	122.3
57.5°	1036.9	556.6	119.0	139.6	187.6	177.6	162.3	145.5	121.6	121.9	123.3
60°	1116.1	579.7	121.2	134.7	180.8	167.4	163.7	143.9	114.7	111.4	111.9
62.5°	1183.4	597.2	123.1	132.5	171.0	158.4	162.3	140.2	110.8	110.0	111.9
65°	1211.6	582.7	118.6	127.8	156.8	147.4	159.2	135.5	107.6	104.5	104.7
67.5°	1180.4	514.8	109.8	117.4	140.6	133.3	154.3	129.4	103.1	99.4	98.6
70°	*1008.3*	*378.2*	*94.7*	*100.8*	*121.0*	*116.7*	*146.8*	*121.4*	*95.9*	*93.3*	*91.4*
72.5°	812.5	267.8	78.6	80.2	94.9	98.4	133.7	111.4	87.8	80.2	77.6
75°	565.6	168.2	65.5	63.9	68.6	75.1	104.3	92.5	75.7	67.8	65.3
77.5°	243.3	86.3	51.2	50.4	45.7	52.0	80.0	77.2	63.5	54.3	52.9
80°	81.4	50.0	36.9	35.5	30.4	36.5	56.3	61.6	49.8	40.2	37.8
82.5°	40.8	29.0	23.5	21.2	20.4	23.1	33.3	38.4	34.5	27.8	23.5
85°	20.0	16.5	12.9	12.7	10.6	10.0	13.9	16.3	15.5	11.4	10.8
87.5°	7.3	6.5	4.1	3.3	2.0	1.4	0.8	0.8	0.6	0.6	0.6
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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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

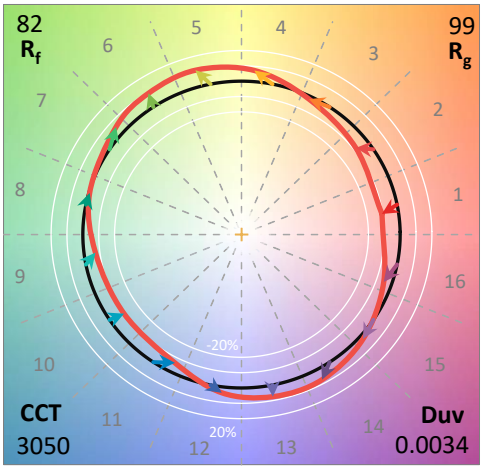
Test Information

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

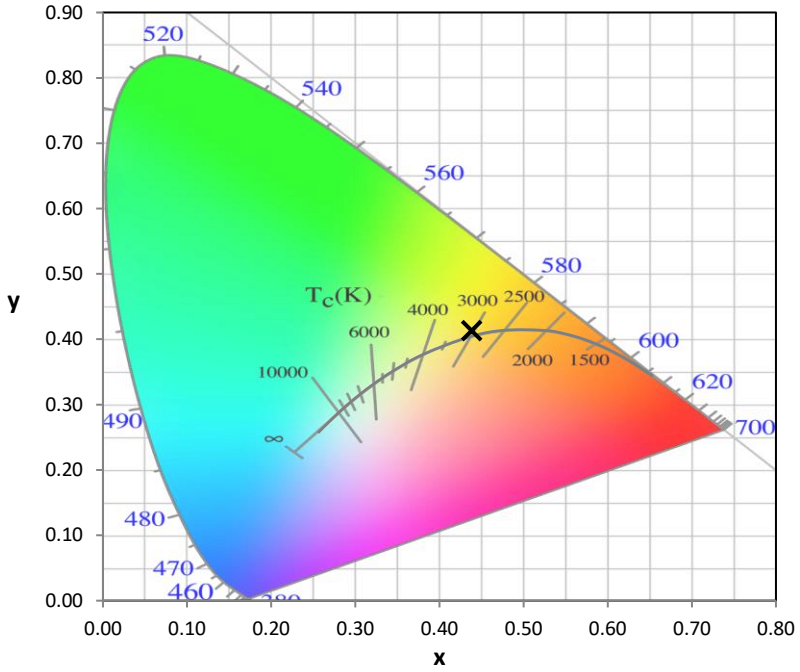
Stabilization Time:	20M
Operation Time:	1H 20M
Sphere Temperature (°C):	24.2

REPORT NUMBER: SP1-2408-195-9

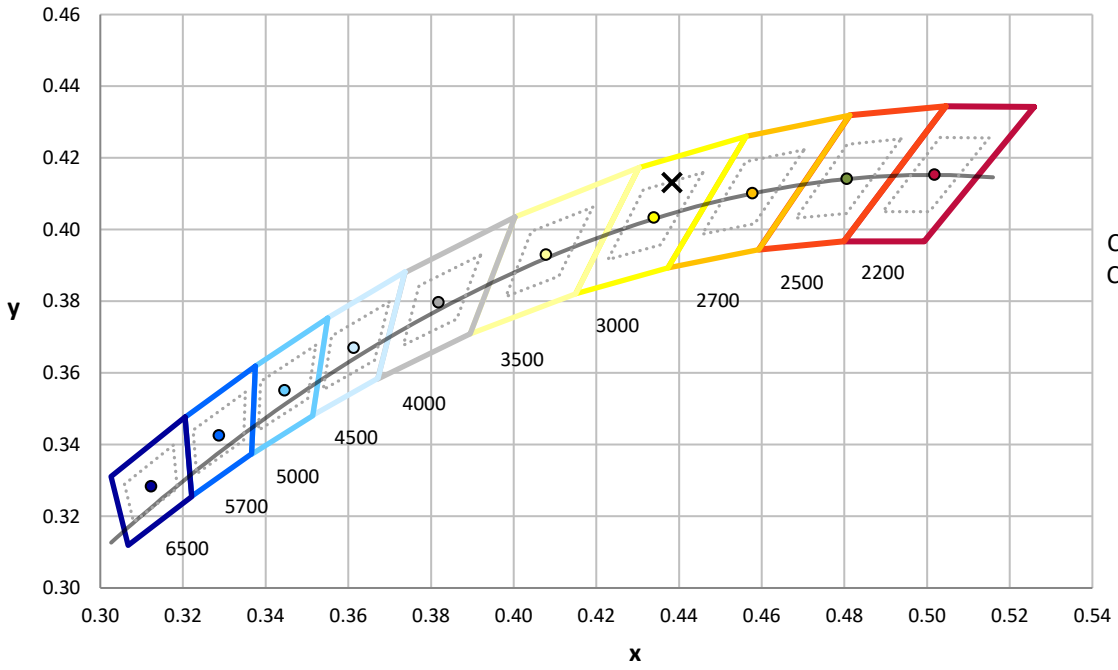
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

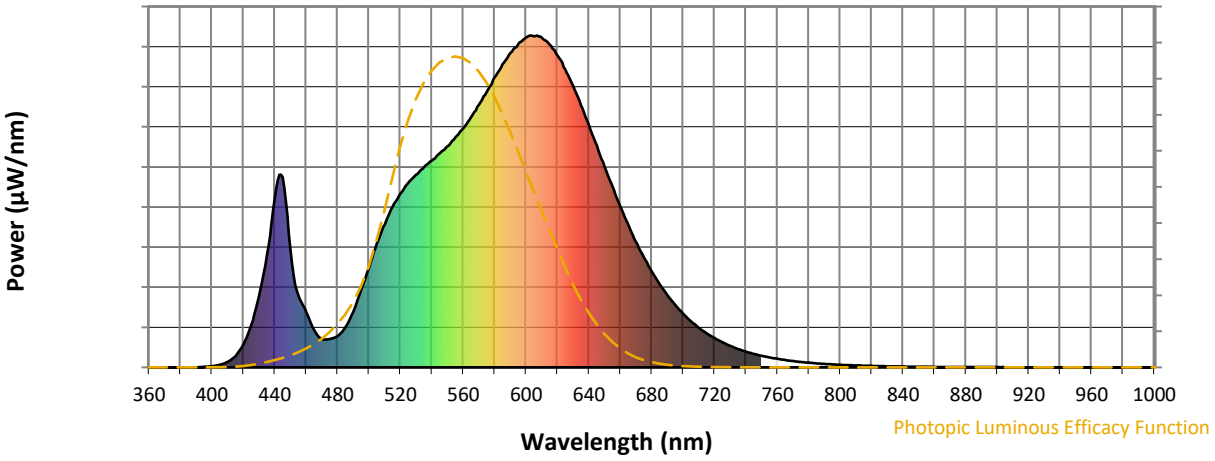


CCT = 3050K
CIE x = 0.4383
CIE y = 0.4131
Duv = 0.0034

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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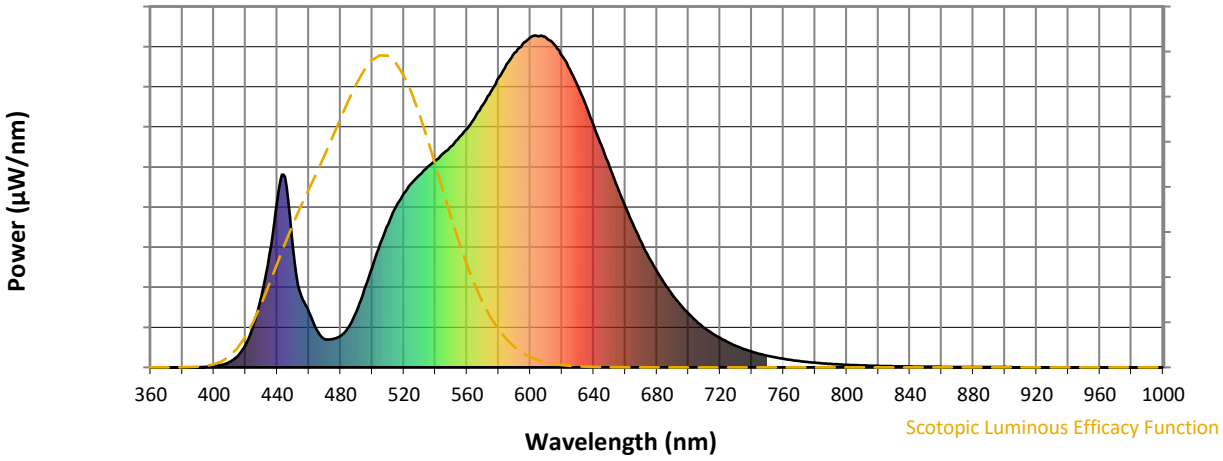
Scotopic Flux vs. Wavelength



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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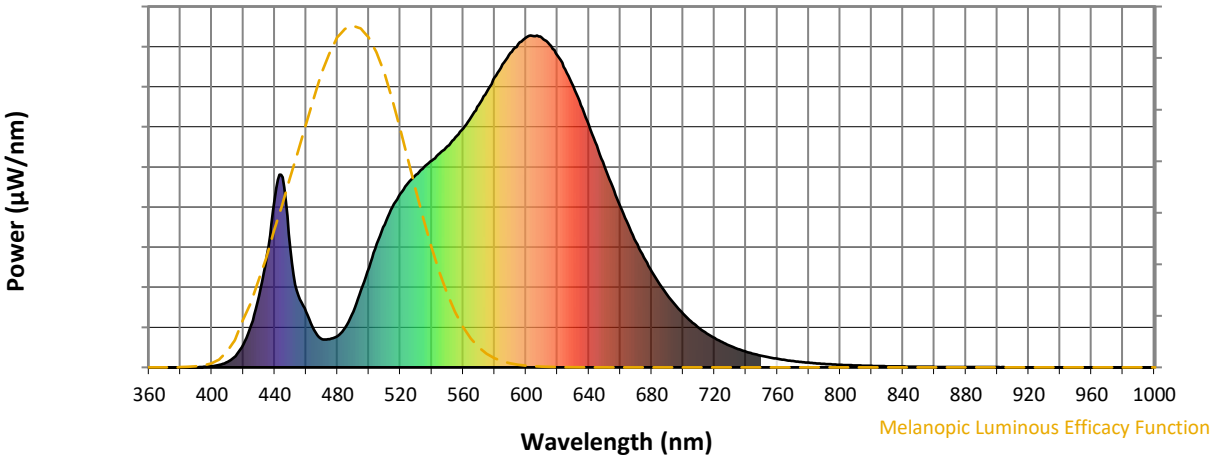
Melanopic Flux vs. Wavelength



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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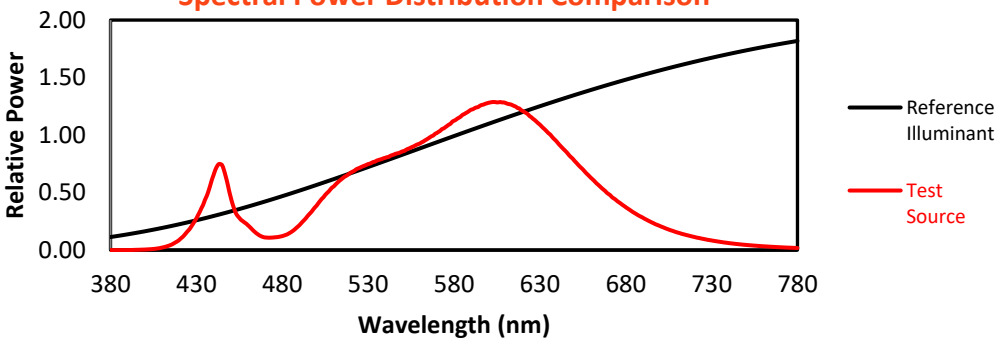
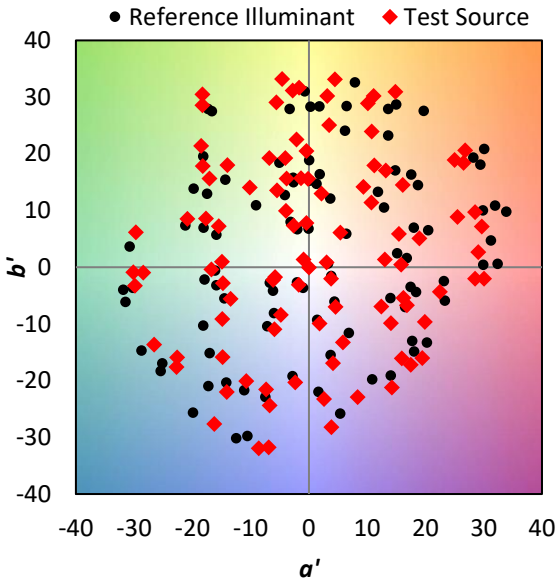
Summary

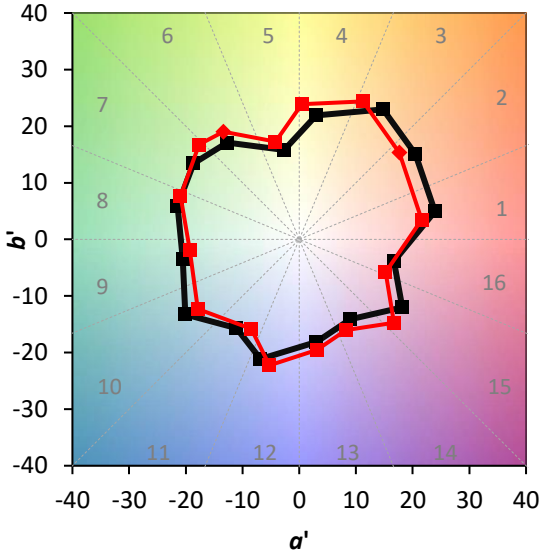
R_f = 81.5
R_g = 99.2
CIE R_a = 81.0
R_9 = 7.1

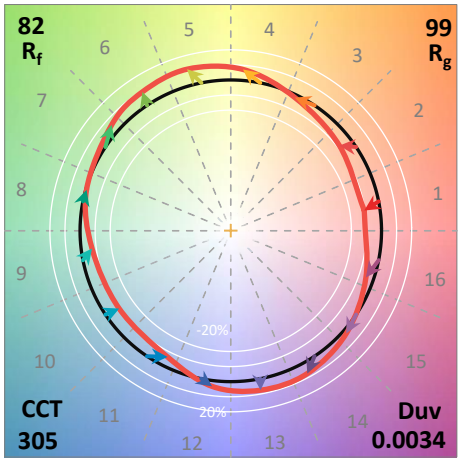
Spectral Power Distribution Comparison

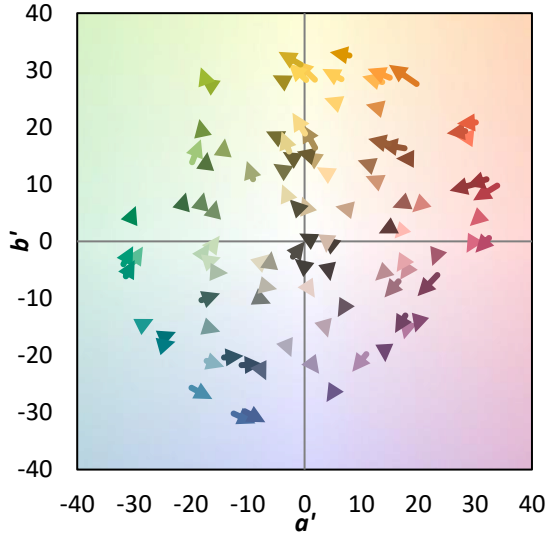


Color Vector Graphics









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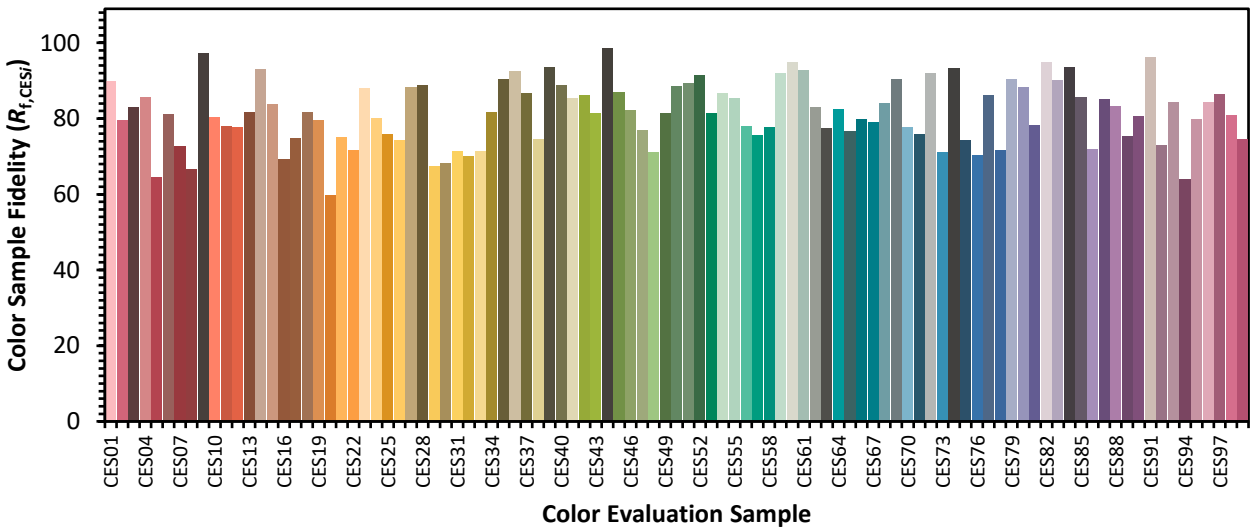
Individual Sample Fidelity Index ($R_{f,i}$)

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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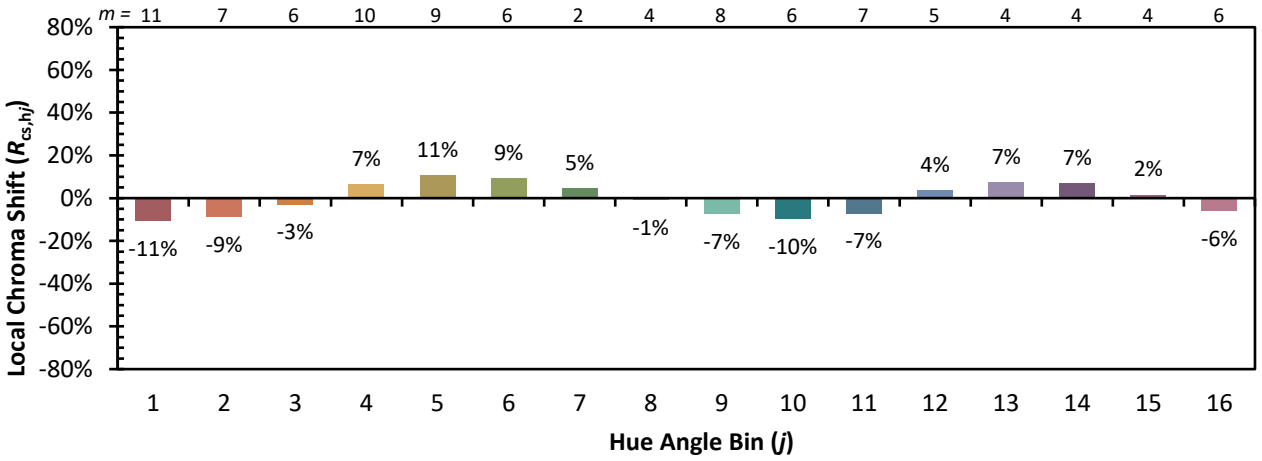
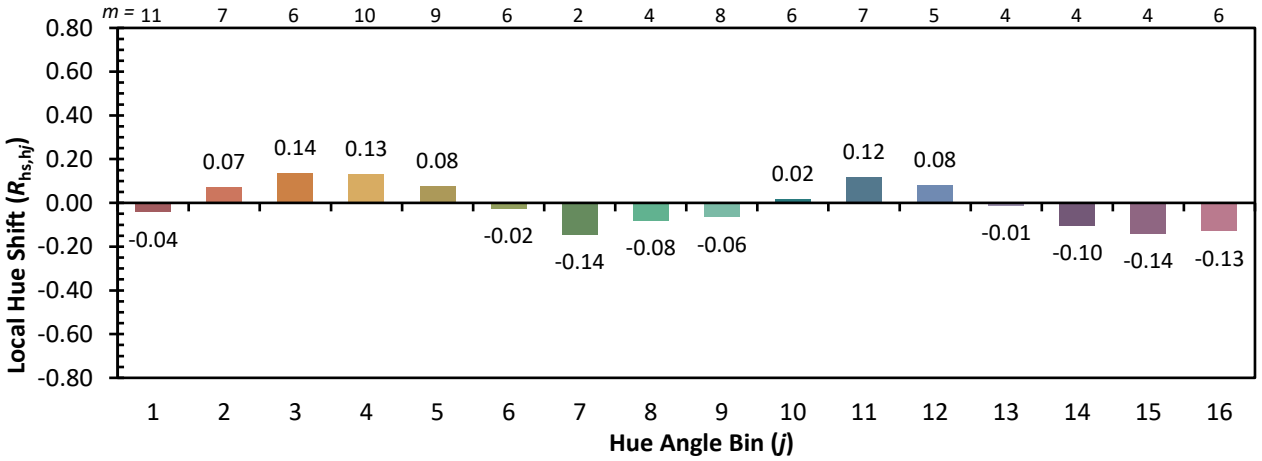
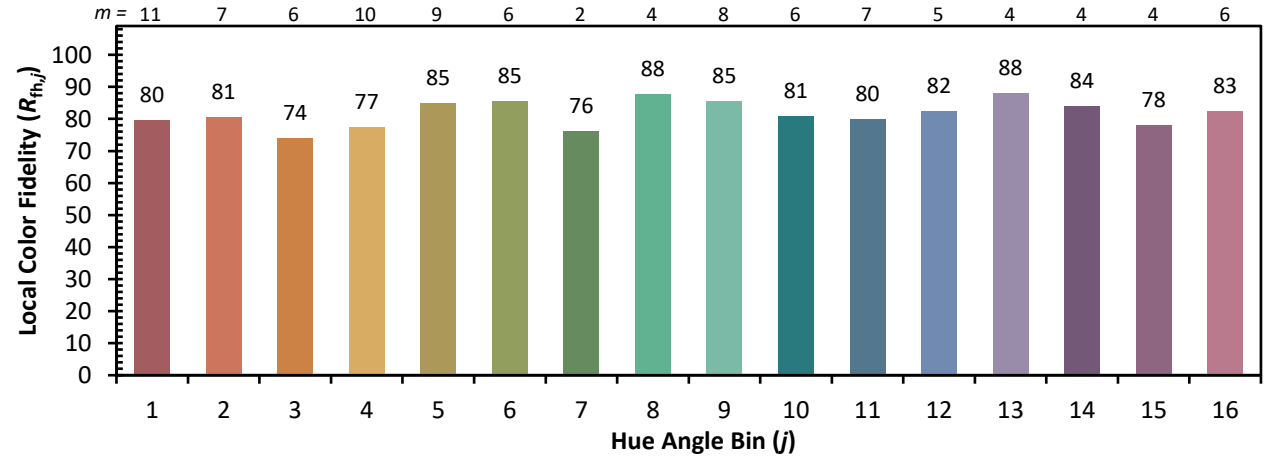
Color Rendition by Hue-Angle Bin







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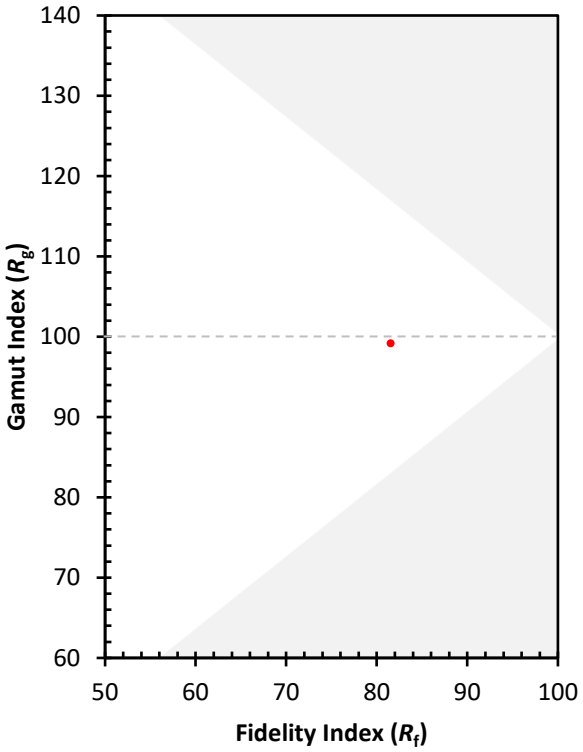
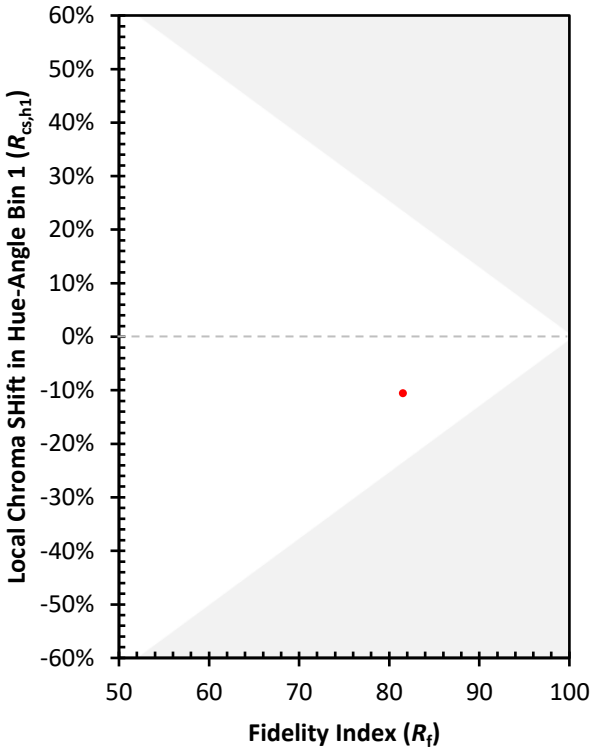
Measure Comparisons





(END OF REPORT)