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: P629567

Luminaire Tested: GWS-SA1B-830-U-SL3-W-HSS

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:	P629567
	TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-34)
Test Lab:	COOPER LIGHTING SOLUTIONS
Issue Date:	1/10/2023
Manufacturer:	COOPER LIGHTING SOLUTIONS
Product Line:	McGRAW-EDISON
Catalog Number:	GWS-SA1B-830-U-SL3-W-HSS
Description:	GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III SPILL LIGHT ELIMINATOR OPTICS WITH HOUSE SIDE SHIELD
Light Source:	(16) 3000K CCT, 80 CRI LEDS
Ballast/Driver:	-

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	2305.9 lumens
Efficiency:	N/A
Efficacy:	92.2 lumens/watt
Luminous Opening:	Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification:	Type III - Short
BUG Rating:	B0 - 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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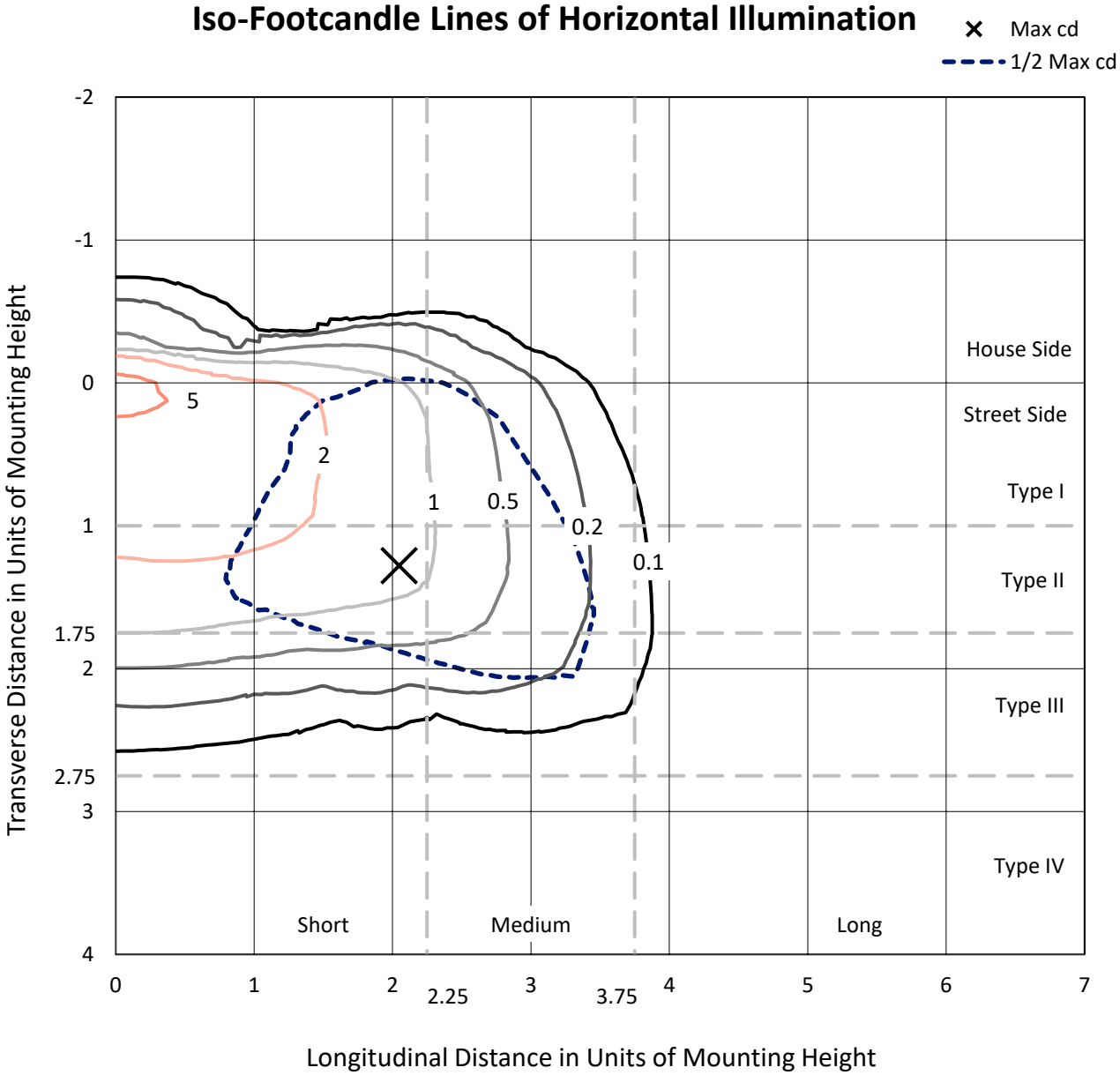
REPORT NUMBER: P629567
CATALOG NUMBER: GWS-SA1B-830-U-SL3-W-HSS

Iso-Footcandle Lines of Horizontal Illumination



Based on 10 foot mounting height. Maximum calculated value = 6.7 fc
Type III - Short - N/A

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REPORT NUMBER: P629567
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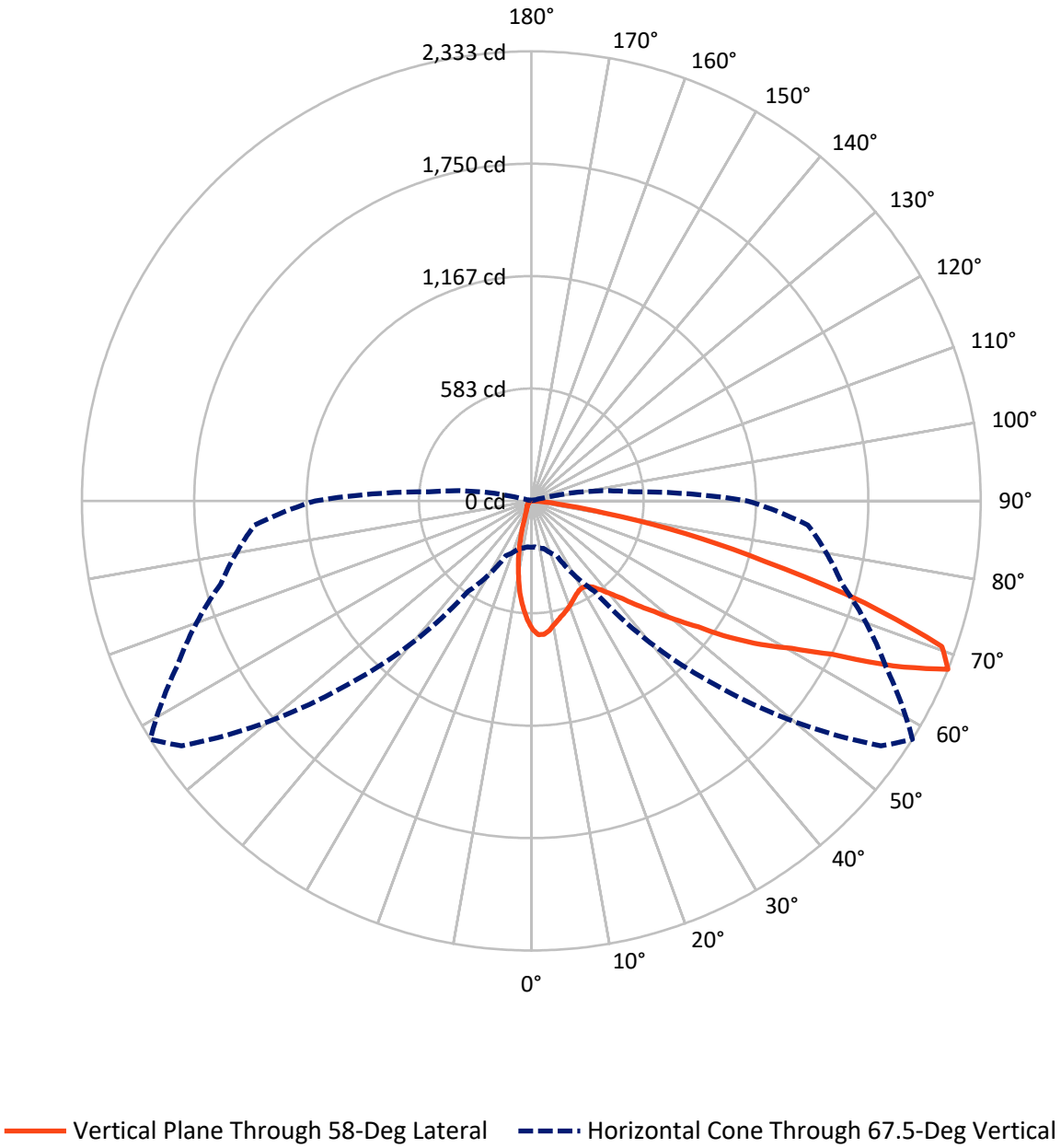
Luminous Intensity Polar Plot



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REPORT NUMBER: P629567
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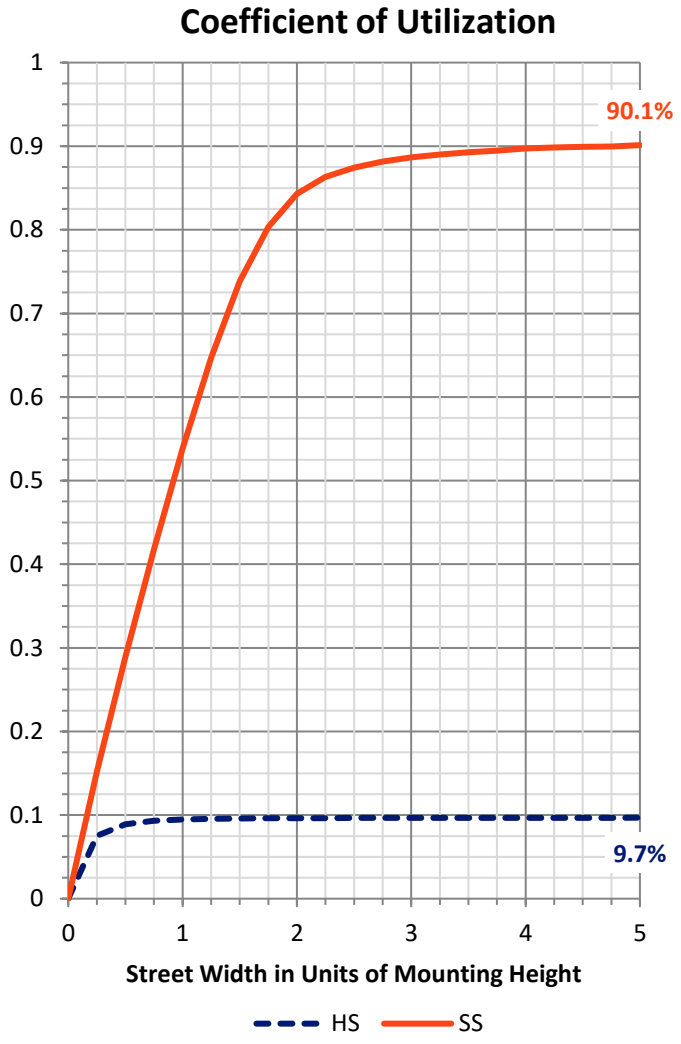
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	225.3	0.0	225.3
	% Fixture	9.8	0.0	9.8
Street Side	Lumens	2080.6	0.0	2080.6
	% Fixture	90.2	0.0	90.2
Total	Lumens	2305.9	0.0	2305.9
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	54.0	2.3
10°-20°	112.5	4.9
20°-30°	151.7	6.6
30°-40°	213.2	9.2
40°-50°	329.3	14.3
50°-60°	526.6	22.8
60°-70°	623.5	27.0
70°-80°	275.8	12.0
80°-90°	19.3	0.8
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°	2305.9	100.0
0°-180°	2305.9	100.0



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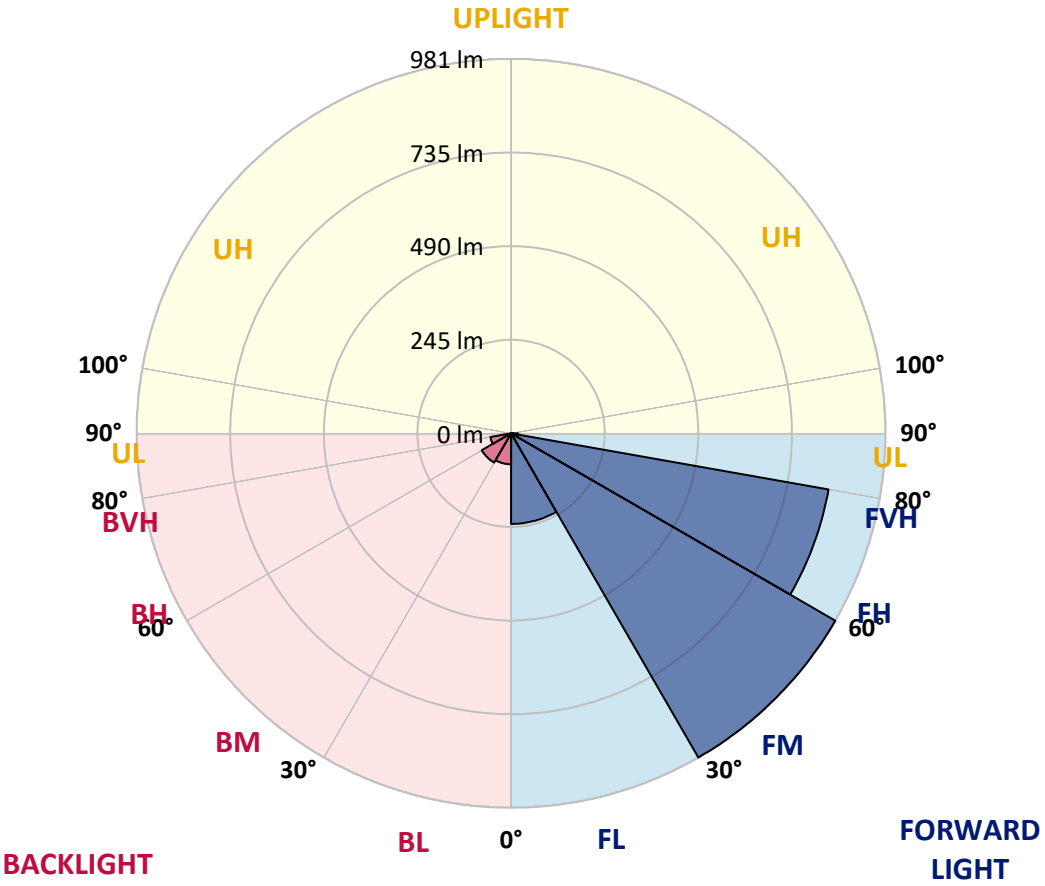
LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	237.2	10.3			
FM	(30°-60°)	980.7	42.5			
FH	(60°-80°)	844.3	36.6			G1/1800
FVH	(80°-90°)	18.5	0.8			G1/100
BL	(0°-30°)	81.1	3.5	B0/110		
BM	(30°-60°)	88.4	3.8	B0/220		
BH	(60°-80°)	55.0	2.4	B0/110		G0/110
BVH	(80°-90°)	0.8	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 III Short



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REPORT NUMBER: P629567
CATALOG NUMBER: GWS-SA1B-830-U-SL3-W-HSS

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	58°	65°	75°	85°
0°	665.1	665.1	665.1	665.1	665.1	665.1	665.1	665.1	665.1	665.1	665.1
2.5°	699.6	700.8	702.5	704.5	704.1	702.3	700.0	694.9	691.7	681.5	669.0
5°	677.2	677.0	681.0	684.9	691.9	695.5	700.6	695.9	694.3	682.1	661.9
7.5°	633.3	635.5	640.2	646.4	656.4	667.2	679.4	678.0	682.9	674.7	649.6
10°	590.2	589.0	596.4	605.5	620.8	634.7	652.5	652.3	665.1	664.3	635.7
12.5°	552.5	552.3	558.0	568.4	586.4	605.7	629.8	630.4	646.4	652.9	623.9
15°	520.6	521.0	526.6	537.4	555.9	579.6	607.6	612.7	630.6	643.9	612.3
17.5°	498.0	498.2	501.4	510.8	529.0	554.3	588.0	594.9	618.0	637.2	602.9
20°	487.6	486.8	487.4	492.1	506.1	529.2	568.0	577.0	606.4	632.5	594.3
22.5°	489.0	487.8	484.9	484.3	490.6	508.2	546.8	557.8	593.7	629.6	586.6
25°	501.7	499.0	494.9	488.8	486.3	495.1	528.2	539.6	581.9	629.8	580.6
27.5°	521.0	518.2	513.1	504.9	495.3	491.7	515.5	526.3	573.5	634.5	577.8
30°	545.7	543.5	538.6	528.8	515.9	500.8	512.9	521.9	569.4	644.1	579.0
32.5°	574.9	573.3	569.2	560.2	545.5	522.5	521.9	528.8	572.7	658.0	583.7
35°	603.1	603.7	603.9	599.0	583.3	555.3	546.6	549.0	586.1	678.8	594.3
37.5°	633.5	632.1	639.4	642.9	627.8	598.0	584.7	584.9	611.9	709.6	614.3
40°	656.6	657.0	672.9	687.2	680.8	652.1	633.1	632.9	651.5	751.9	646.6
42.5°	678.2	680.8	704.3	728.8	737.6	712.1	698.4	693.3	707.0	809.0	694.9
45°	701.3	705.1	738.0	772.9	796.0	780.8	770.0	772.1	773.7	875.5	760.0
47.5°	728.2	730.6	771.3	820.4	863.5	859.6	860.2	857.8	857.0	959.4	846.2
50°	760.8	766.6	813.3	872.1	930.9	956.6	965.1	966.2	952.9	1050.9	935.3
52.5°	830.2	837.2	877.2	928.6	1004.3	1058.4	1093.3	1086.4	1066.0	1139.4	1033.1
55°	912.1	917.4	956.0	1009.2	1094.1	1170.0	1252.9	1250.1	1200.1	1232.7	1113.5
57.5°	919.8	925.8	985.6	1067.2	1209.4	1308.0	1395.2	1404.3	1331.1	1298.8	1185.4
60°	832.7	844.7	926.4	1036.2	1253.5	1493.5	1551.1	1552.9	1427.2	1366.0	1273.1
62.5°	667.4	673.1	755.3	898.6	1185.6	1601.7	1789.3	1750.5	1550.7	1469.9	1412.1
65°	349.8	373.1	444.7	603.3	961.5	1563.9	2075.8	2065.2	1772.7	1618.6	1520.3
67.5°	240.0	239.8	256.7	314.5	573.3	1346.6	2216.4	2333.2	2029.5	1669.7	1441.9
70°	182.7	183.3	198.4	235.9	297.0	896.4	2062.1	2261.7	2077.2	1516.0	1166.2
72.5°	121.2	122.5	147.6	190.6	237.2	439.4	1602.5	1809.7	1747.8	1217.6	820.9
75°	72.5	73.5	91.4	138.6	210.8	245.9	1018.2	1251.1	1203.1	839.2	440.0
77.5°	29.8	30.6	46.9	86.3	154.3	191.0	563.1	818.6	720.6	333.7	120.2
80°	12.4	12.9	22.7	60.4	111.2	119.8	260.8	384.7	295.3	71.8	36.7
82.5°	4.5	4.7	8.4	33.3	69.2	90.2	131.6	152.0	83.3	23.5	19.8
85°	0.2	0.2	2.0	11.2	26.3	25.5	75.3	72.9	27.6	9.8	11.8
87.5°	0.0	0.0	0.2	0.2	0.4	1.0	7.1	12.7	5.9	2.4	5.1
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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REPORT NUMBER: P629567
CATALOG NUMBER: GWS-SA1B-830-U-SL3-W-HSS

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	665.1	665.1	665.1	665.1	665.1	665.1	665.1	665.1	665.1	665.1	665.1
2.5°	660.8	650.0	638.2	627.2	609.6	599.2	586.4	580.6	572.5	570.4	571.7
5°	647.4	628.8	600.4	574.7	541.5	514.7	487.8	476.3	461.7	451.9	447.8
7.5°	628.4	604.1	559.8	513.1	467.4	418.6	381.4	357.0	334.7	322.5	320.0
10°	609.2	577.6	514.1	447.2	376.3	318.0	267.8	230.6	200.4	186.7	176.1
12.5°	589.4	550.0	467.6	380.2	298.0	218.4	156.3	120.2	98.6	90.0	91.4
15°	571.2	523.5	421.4	313.3	209.8	131.8	86.3	72.9	67.8	66.1	65.9
17.5°	553.9	498.4	375.5	248.2	138.4	80.8	66.1	62.9	61.4	60.6	60.6
20°	538.2	474.3	330.6	186.9	89.4	64.1	59.8	58.2	56.9	56.3	56.3
22.5°	523.5	451.0	286.7	132.3	65.9	57.6	54.9	53.3	51.8	51.0	51.0
25°	510.2	430.0	244.9	91.0	56.7	52.7	49.8	48.0	45.5	44.1	44.1
27.5°	500.6	411.2	204.7	66.3	51.2	47.3	44.1	41.6	39.0	37.3	36.9
30°	494.9	395.3	164.1	54.5	46.1	42.2	38.6	35.5	32.5	30.8	30.6
32.5°	491.7	380.6	126.9	47.6	41.8	37.3	33.3	30.0	26.9	25.1	24.9
35°	492.9	369.2	95.1	42.9	37.8	33.1	28.6	25.3	22.7	21.0	20.6
37.5°	503.5	364.1	71.4	39.2	34.3	29.4	24.7	21.6	19.2	18.0	17.8
40°	524.1	365.1	56.1	36.3	31.4	25.7	21.2	18.4	16.5	15.5	15.3
42.5°	556.1	373.7	46.3	33.9	28.4	22.4	18.4	16.1	14.3	13.3	13.1
45°	603.9	391.4	40.4	31.0	25.1	19.4	15.9	13.9	12.2	11.0	10.8
47.5°	673.1	422.3	36.5	28.4	22.2	16.7	13.7	11.6	10.2	9.2	9.0
50°	746.8	459.2	33.3	25.7	19.8	14.5	11.6	9.6	8.4	7.3	7.1
52.5°	825.3	499.0	30.8	23.3	17.6	12.4	9.8	8.0	6.7	5.7	5.5
55°	900.9	539.0	28.0	21.6	14.9	10.6	8.2	6.5	5.3	4.5	4.5
57.5°	974.3	575.7	24.9	19.0	12.2	9.0	6.7	5.3	4.3	3.7	3.5
60°	1062.1	626.6	21.4	16.1	10.2	7.6	5.5	4.3	3.5	2.9	2.9
62.5°	1192.5	679.4	18.4	13.5	8.6	6.3	4.5	3.5	2.9	2.4	2.2
65°	1235.2	650.8	15.5	11.0	6.9	5.1	3.7	3.1	2.4	2.2	2.0
67.5°	*1121.3*	*533.5*	*12.9*	*9.0*	*5.7*	*4.3*	*3.3*	*2.7*	*2.2*	*2.0*	*1.8*
70°	874.9	378.6	10.0	6.7	4.7	3.5	2.9	2.4	2.0	1.8	1.8
72.5°	595.1	223.9	8.0	5.1	3.9	3.1	2.4	2.2	2.0	1.8	1.6
75°	293.1	79.6	6.1	3.9	3.1	2.7	2.2	2.0	1.8	1.6	1.6
77.5°	79.0	22.0	4.7	3.1	2.4	2.0	2.0	2.0	1.8	1.4	1.4
80°	26.7	9.2	3.5	2.2	2.0	1.6	1.4	1.8	1.6	1.4	1.2
82.5°	14.7	4.5	2.4	1.8	1.4	1.2	1.2	1.2	1.2	1.0	1.0
85°	9.4	2.4	1.6	1.4	1.4	1.0	0.8	0.8	0.6	0.6	0.6
87.5°	4.3	1.4	1.4	1.2	1.2	1.0	0.6	0.4	0.2	0.2	0.2
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

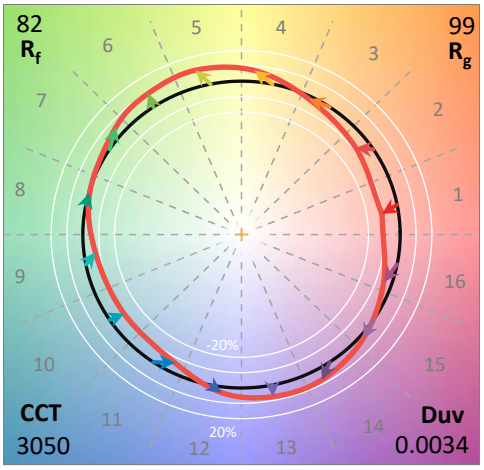
Test Information

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

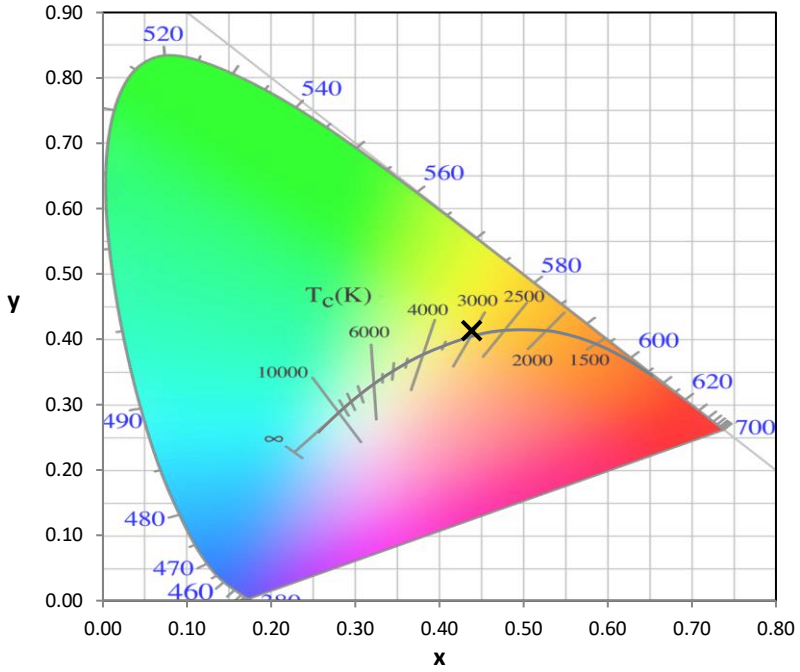
Stabilization Time:	20M
Operation Time:	1H 20M
Sphere Temperature (°C):	24.2

REPORT NUMBER: SP1-2408-195-9

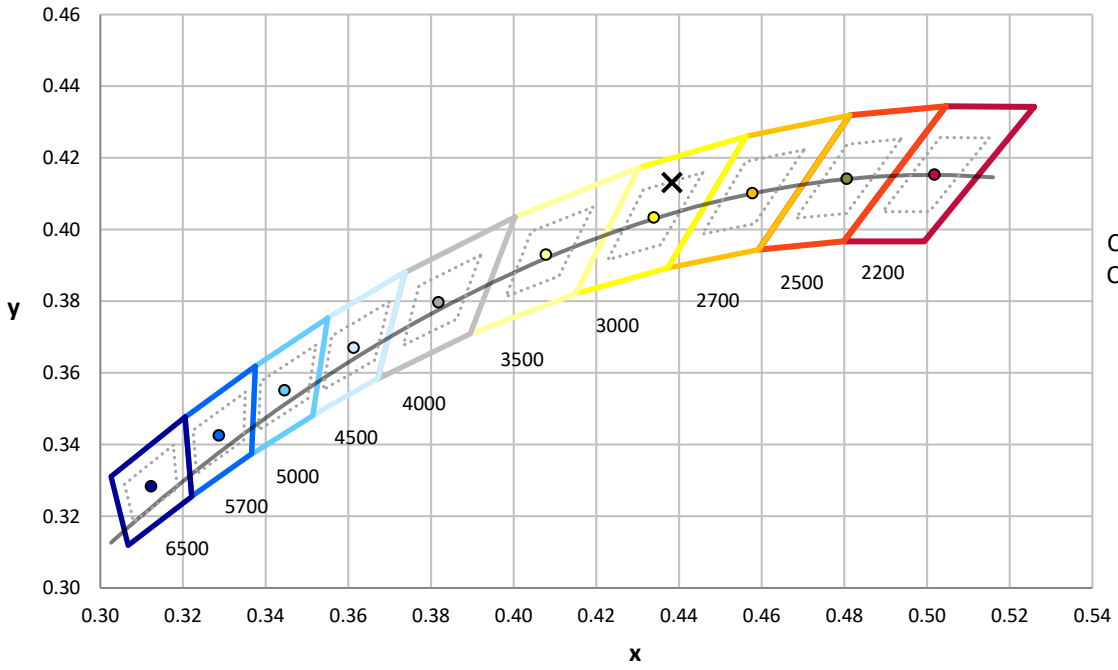
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

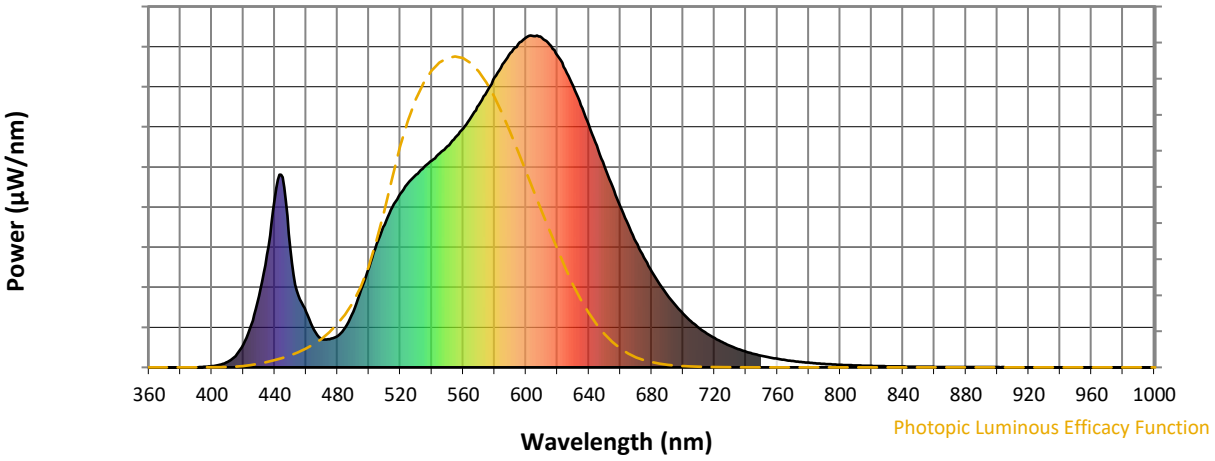


CCT = 3050K
CIE x = 0.4383
CIE y = 0.4131
Duv = 0.0034

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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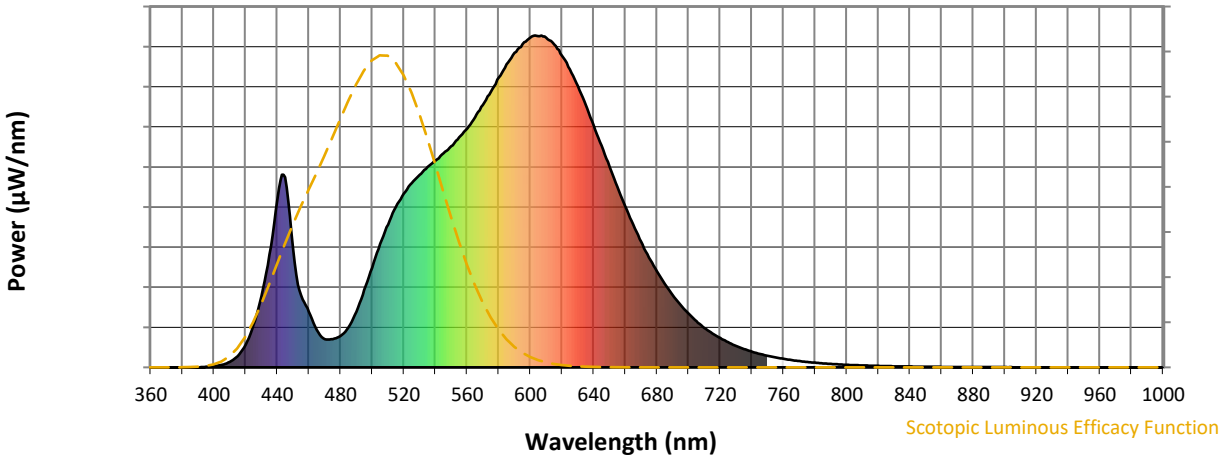
Scotopic Flux vs. Wavelength



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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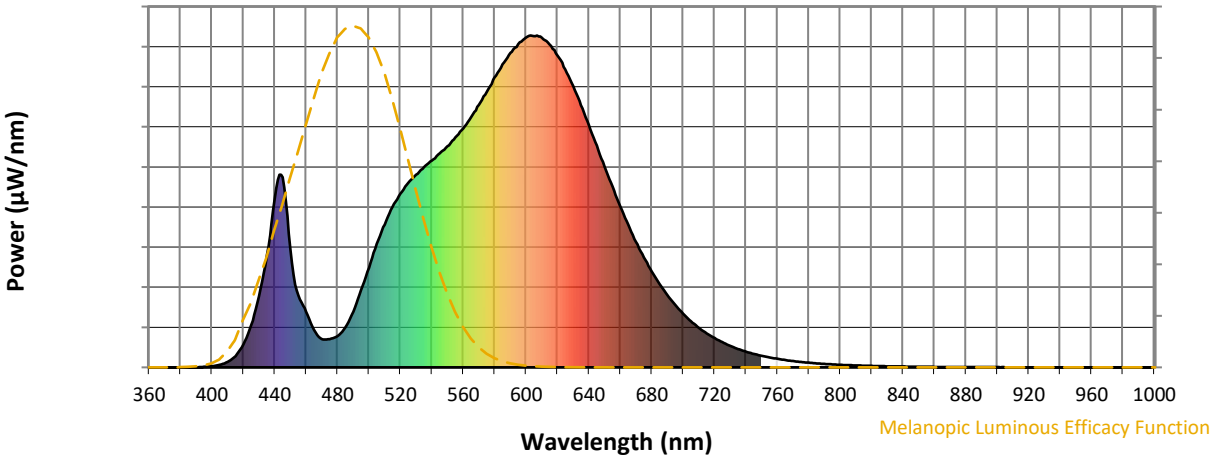
Melanopic Flux vs. Wavelength



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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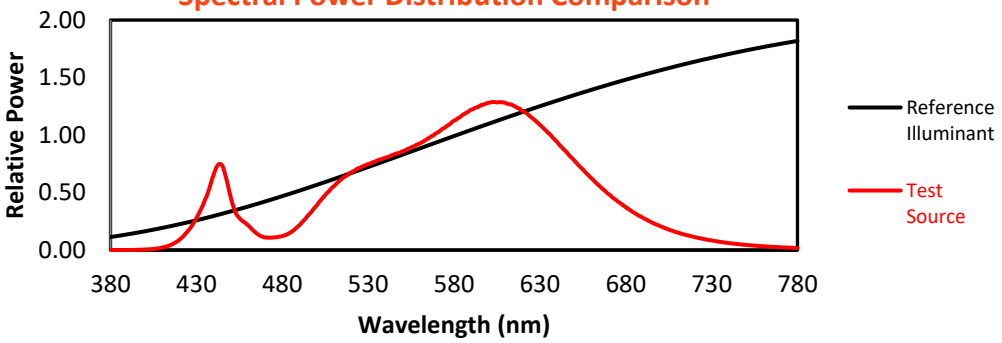
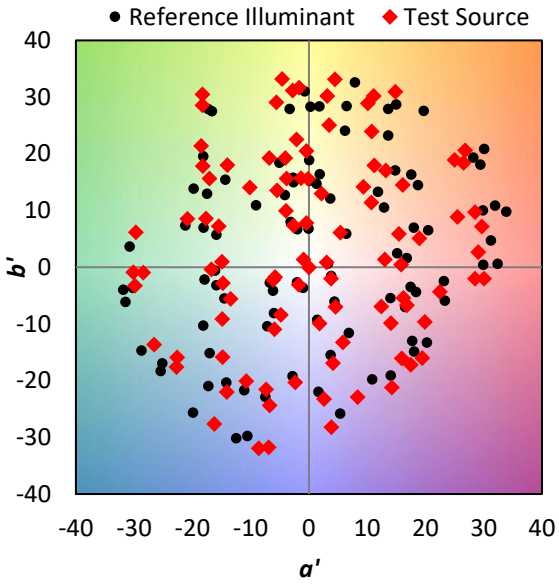
Summary

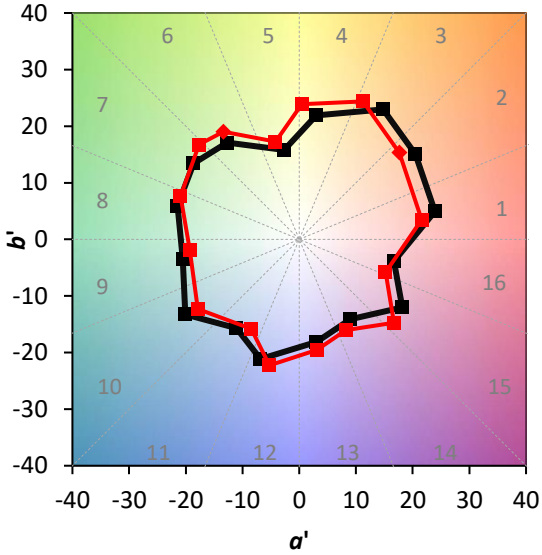
R_f = 81.5
R_g = 99.2
CIE R_a = 81.0
R_9 = 7.1

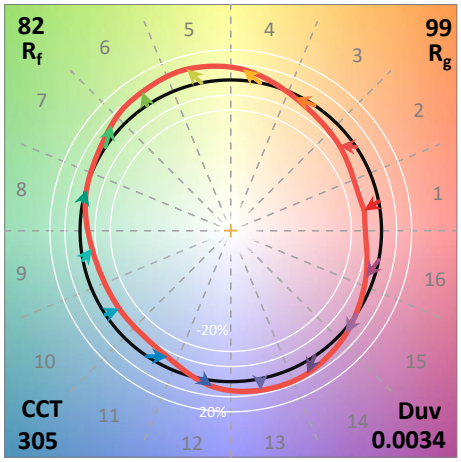
Spectral Power Distribution Comparison

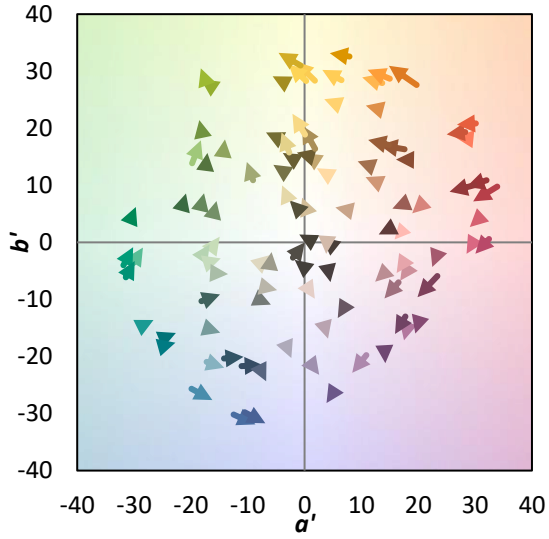


Color Vector Graphics









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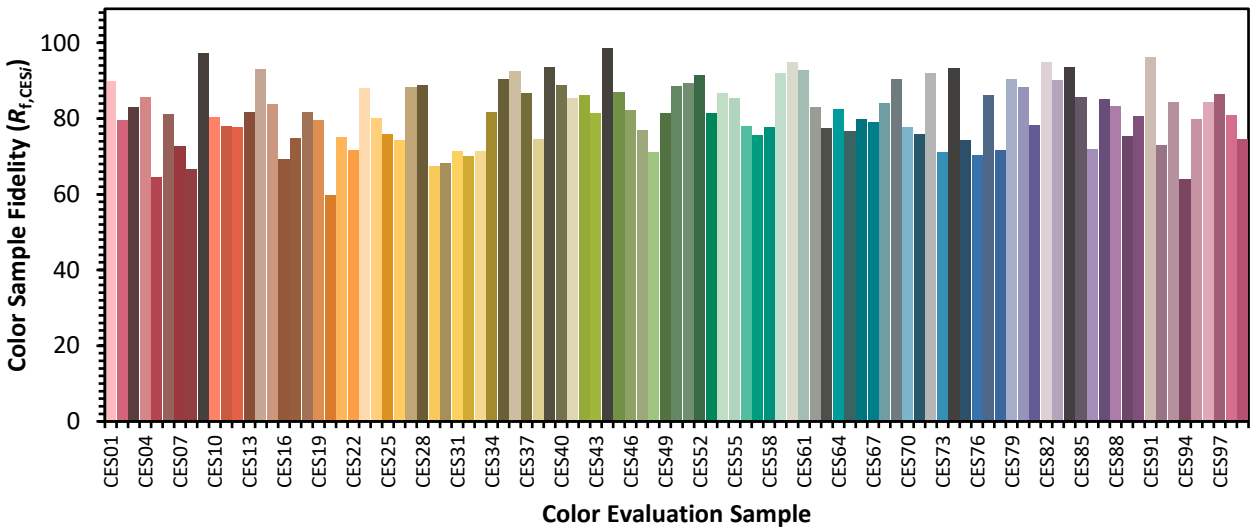
Individual Sample Fidelity Index ($R_{f,i}$)

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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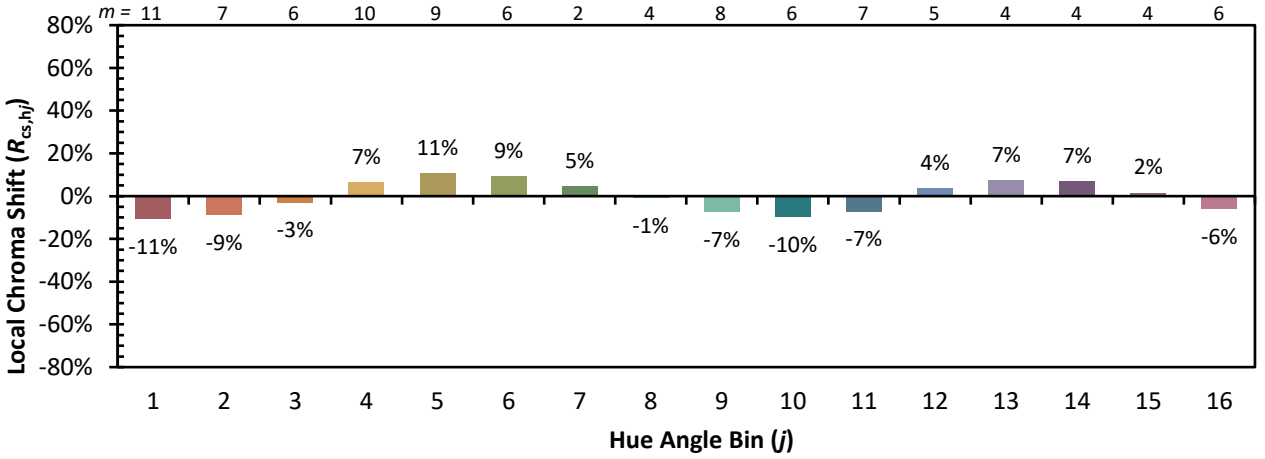
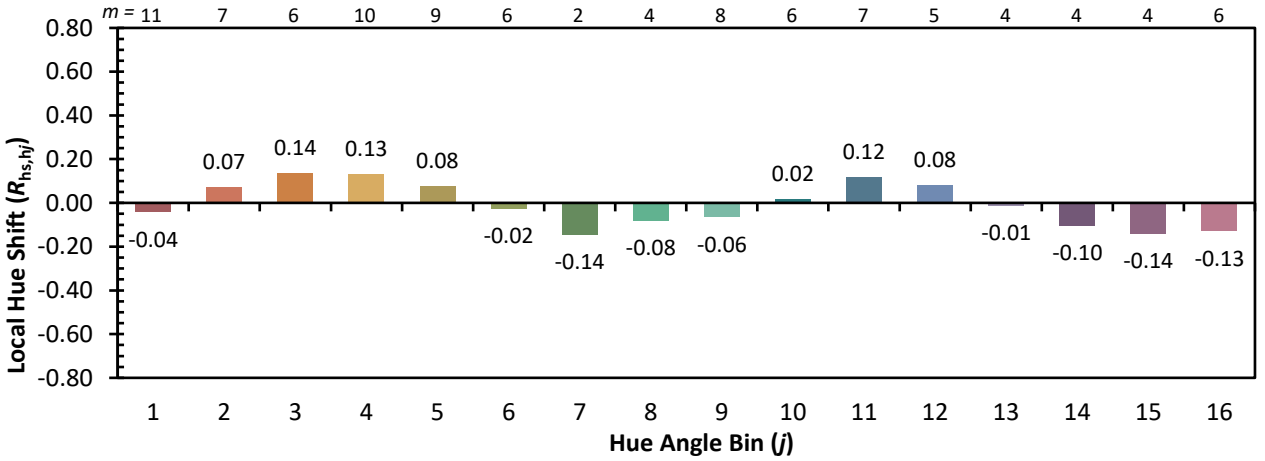
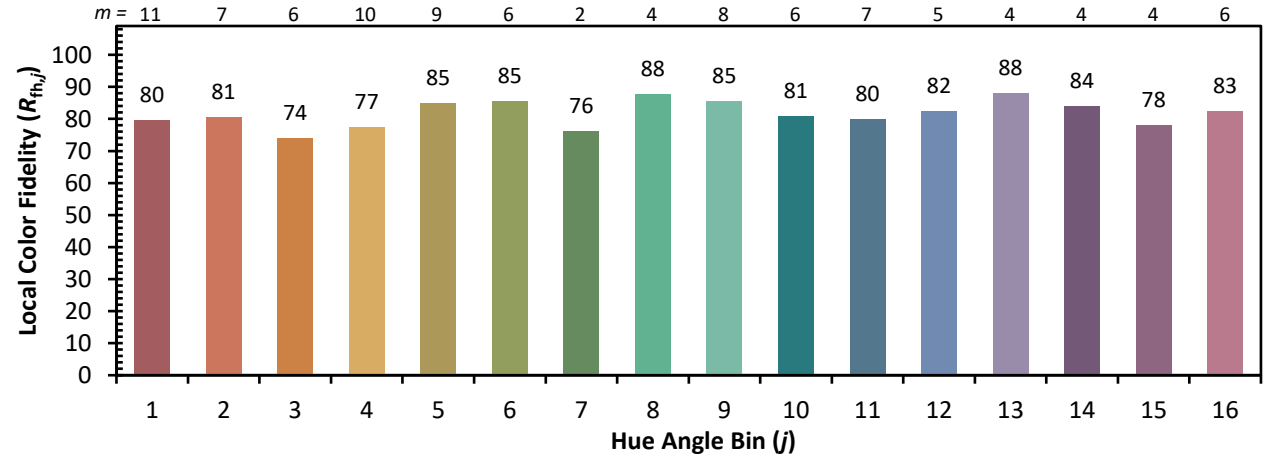
Color Rendition by Hue-Angle Bin







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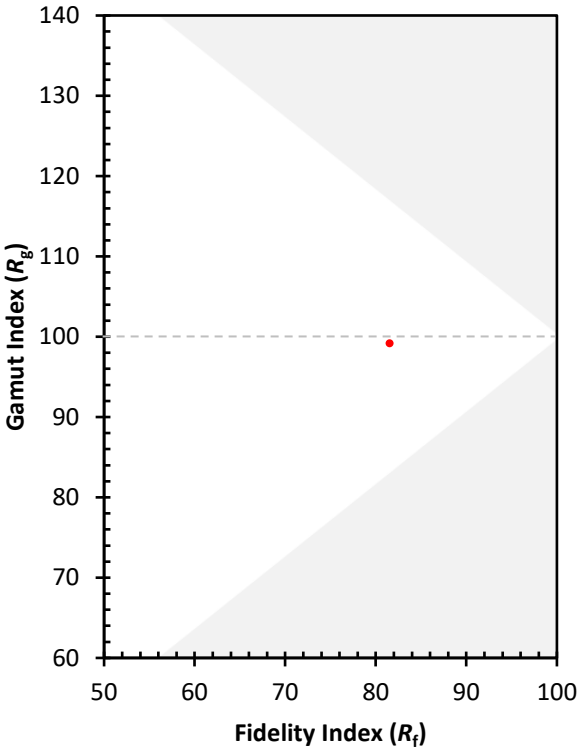
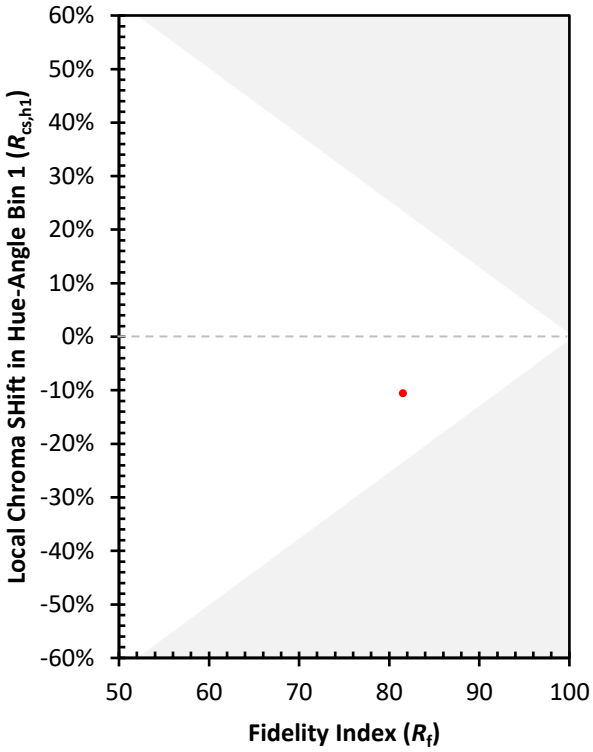
Measure Comparisons





(END OF REPORT)