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: P643944

Luminaire Tested: GWS-SA6F-830-U-T3-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:	P643944
	TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-23)
Test Lab:	COOPER LIGHTING SOLUTIONS
Issue Date:	1/10/2023
Manufacturer:	COOPER LIGHTING SOLUTIONS
Product Line:	McGRAW-EDISON
Catalog Number:	GWS-SA6F-830-U-T3-W
Description:	GALLEON WALL SLIM LUMINAIRE. (6) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III OPTICS
Light Source:	(96) 3000K CCT, 80 CRI LEDS
Ballast/Driver:	-

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	39563.7 lumens
Efficiency:	N/A
Efficacy:	106.2 lumens/watt
Luminous Opening:	Rectangular (W 2' x L: 1' x H: 0')
IES Classification:	Type III - Short
BUG Rating:	B3 - U0 - G5

Input Watts (W):	372.6
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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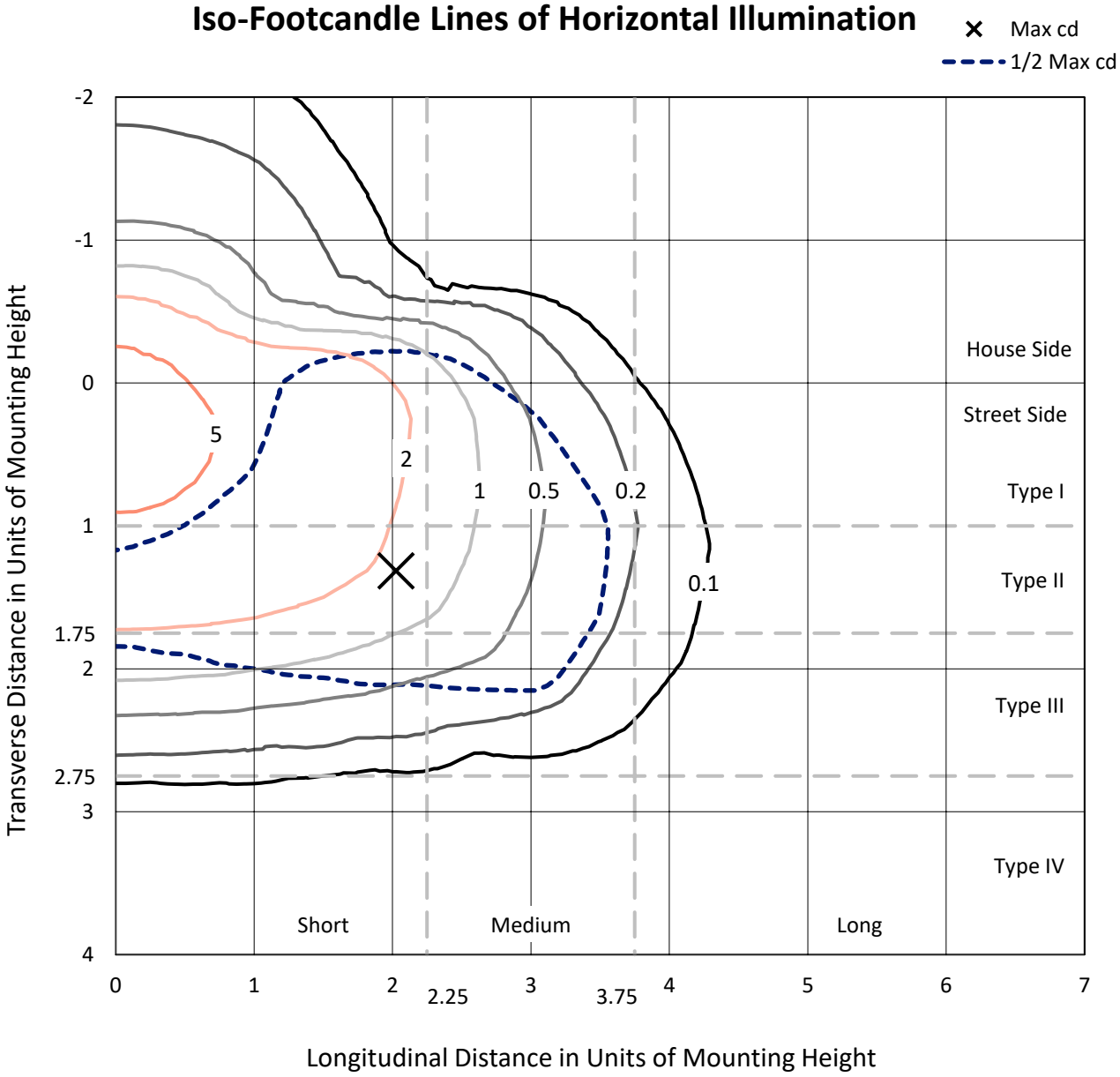
Scaled Data Report

REPORT NUMBER: P643944
CATALOG NUMBER: GWS-SA6F-830-U-T3-W

Iso-Footcandle Lines of Horizontal Illumination



Based on 30 foot mounting height. Maximum calculated value = 6.2 fc
Type III - Short - N/A

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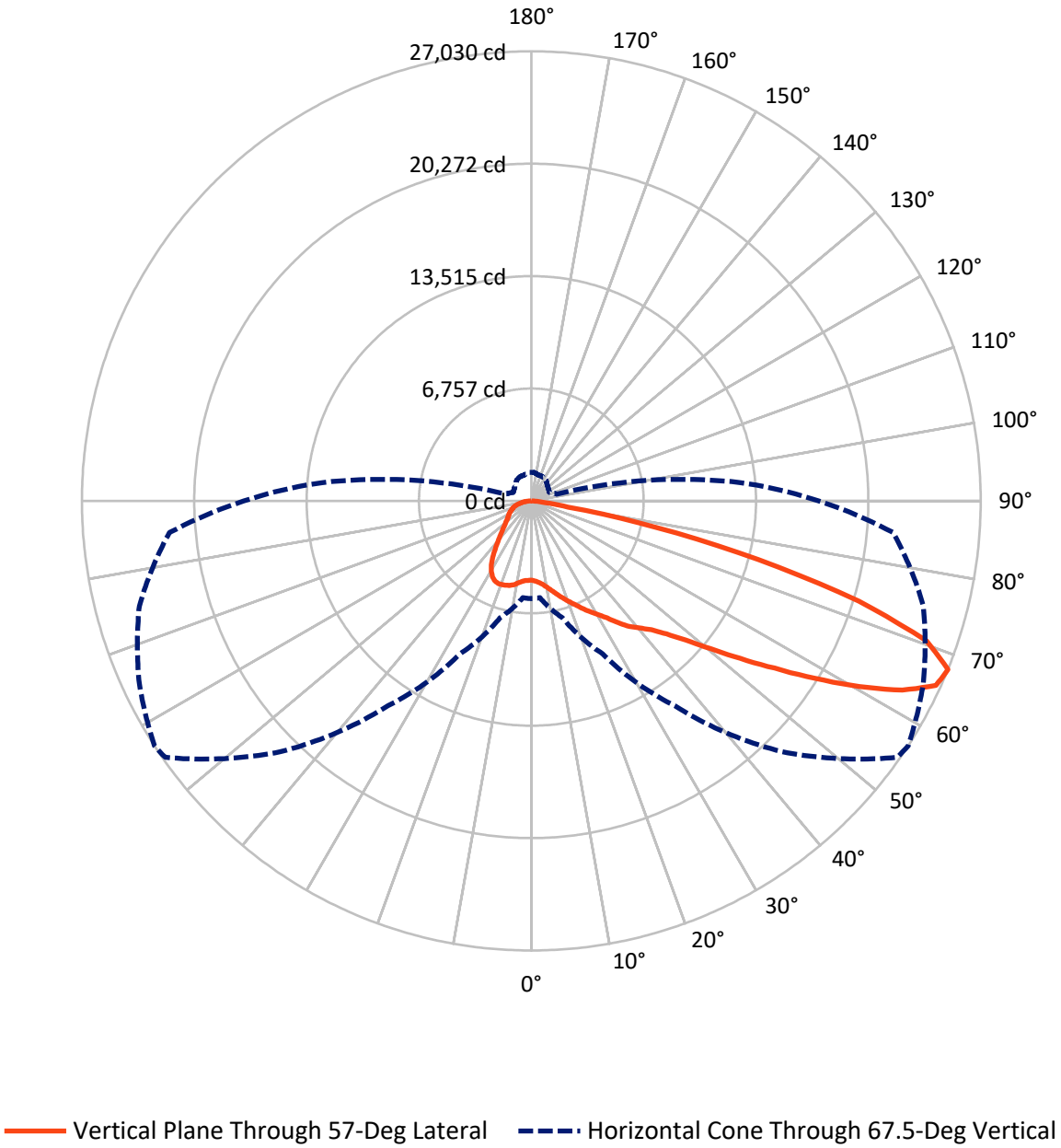
Luminous Intensity Polar Plot



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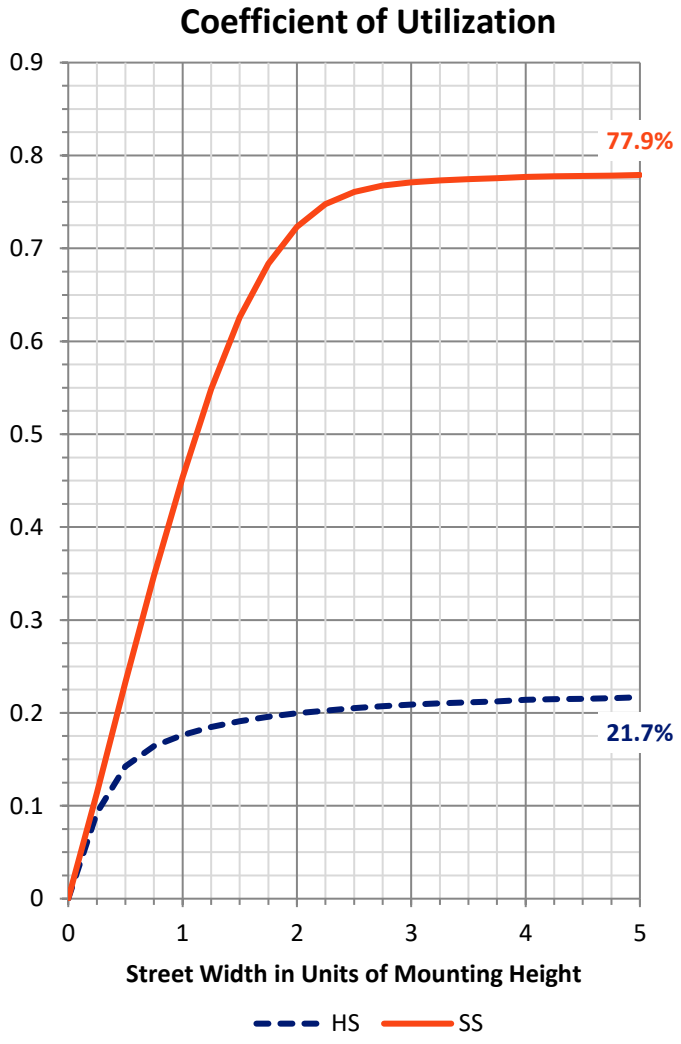
REPORT NUMBER: P643944
CATALOG NUMBER: GWS-SA6F-830-U-T3-W

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	8698.6	0.0	8698.6
	% Fixture	22.0	0.0	22.0
Street Side	Lumens	30865.1	0.0	30865.1
	% Fixture	78.0	0.0	78.0
Total	Lumens	39563.7	0.0	39563.7
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	472.8	1.2
10°-20°	1565.2	4.0
20°-30°	2790.5	7.1
30°-40°	4057.0	10.3
40°-50°	5871.9	14.8
50°-60°	9189.3	23.2
60°-70°	10719.9	27.1
70°-80°	4474.9	11.3
80°-90°	422.3	1.1
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°	39563.7	100.0
0°-180°	39563.7	100.0



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REPORT NUMBER: P643944
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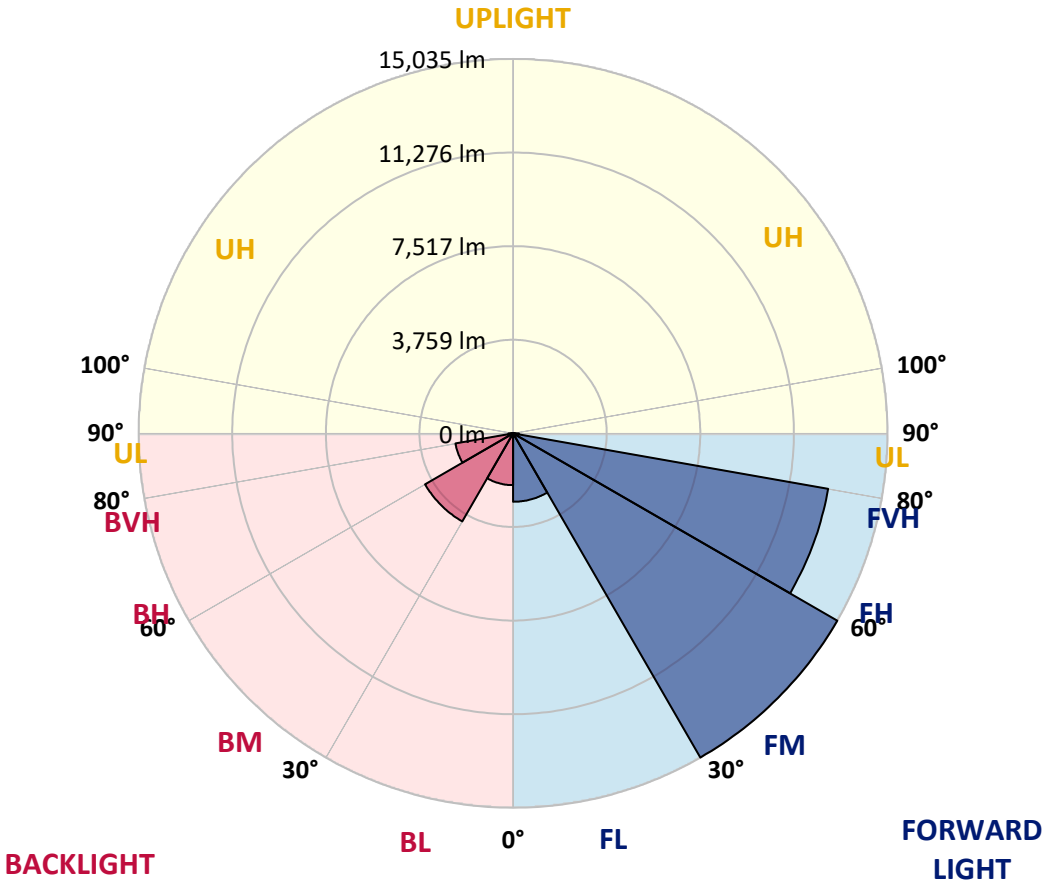
LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	2748.1	6.9			
FM	(30°-60°)	15034.8	38.0			
FH	(60°-80°)	12847.0	32.5			G5
FVH	(80°-90°)	235.3	0.6			G3/500
BL	(0°-30°)	2080.4	5.3	B3/2500		
BM	(30°-60°)	4083.3	10.3	B3/5000		
BH	(60°-80°)	2347.8	5.9	B3/2500		G3/2500
BVH	(80°-90°)	187.0	0.5			G2/225
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G5
Type III Short



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Scaled Data Report

REPORT NUMBER: P643944
CATALOG NUMBER: GWS-SA6F-830-U-T3-W

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	57°	65°	75°	85°
0°	4767.2	4767.2	4767.2	4767.2	4767.2	4767.2	4767.2	4767.2	4767.2	4767.2	4767.2
2.5°	4835.2	4829.5	4826.7	4843.7	4838.0	4835.2	4835.2	4832.3	4826.7	4804.0	4772.8
5°	4968.4	4957.0	4945.7	4959.9	4948.5	4937.2	4934.4	4928.7	4908.9	4874.9	4826.7
7.5°	5107.3	5095.9	5098.8	5107.3	5098.8	5093.1	5084.6	5078.9	5047.7	4993.9	4928.7
10°	5302.8	5302.8	5308.5	5317.0	5319.8	5311.3	5294.3	5285.8	5249.0	5181.0	5090.3
12.5°	5586.2	5580.6	5580.6	5574.9	5583.4	5574.9	5557.9	5543.7	5498.4	5410.5	5280.2
15°	5960.4	5937.7	5917.8	5881.0	5869.7	5838.5	5844.2	5835.7	5793.1	5674.1	5509.7
17.5°	6360.0	6357.2	6326.0	6252.3	6178.6	6127.6	6138.9	6136.1	6113.4	5951.9	5742.1
20°	6711.4	6725.6	6697.3	6640.6	6541.4	6445.0	6439.3	6453.5	6425.2	6263.6	5971.7
22.5°	7105.4	7094.1	7065.7	6992.0	6918.3	6816.3	6782.3	6770.9	6759.6	6575.4	6206.9
25°	7479.5	7513.5	7476.7	7408.6	7295.3	7184.7	7156.4	7167.7	7136.6	6892.8	6459.2
27.5°	7952.8	7967.0	7944.3	7850.8	7754.4	7598.5	7544.7	7544.7	7533.4	7190.4	6657.6
30°	8457.3	8497.0	8457.3	8380.8	8281.6	8057.7	7941.5	7930.1	7896.1	7496.5	6890.0
32.5°	8964.6	8993.0	8964.6	8890.9	8777.6	8582.0	8414.8	8389.3	8343.9	7830.9	7128.1
35°	9415.3	9440.8	9435.1	9452.1	9358.6	9112.0	9010.0	8998.6	8879.6	8267.4	7451.2
37.5°	9908.4	9939.6	9897.1	9931.1	9894.3	9661.9	9630.7	9574.0	9403.9	8678.4	7791.3
40°	10469.6	10497.9	10429.9	10444.1	10401.6	10271.2	10112.5	10036.0	9783.7	9123.4	8326.9
42.5°	11070.5	11135.6	11166.8	11141.3	11042.1	10968.4	10690.7	10594.3	10384.6	9925.4	9208.4
45°	11940.6	12036.9	12082.3	12017.1	11974.6	11869.7	11529.6	11413.4	11302.9	11056.3	10438.4
47.5°	12878.7	12966.6	13111.1	13139.4	13173.5	13094.1	12615.1	12501.7	12521.6	12493.2	11951.9
50°	13626.9	13700.6	14026.6	14375.2	14664.2	14686.9	14074.7	13952.9	14060.6	14151.3	13774.3
52.5°	14171.1	14236.3	14667.1	15387.0	16041.7	16526.3	15866.0	15727.1	15814.9	16019.0	15846.1
55°	14613.2	14703.9	15154.6	16259.9	17583.5	18348.7	17926.4	17750.7	17713.9	17966.1	18065.3
57.5°	14845.6	14874.0	15506.0	16943.0	18714.3	20137.1	20321.4	20123.0	19771.5	19910.4	20426.2
60°	14315.6	14363.8	15228.3	17118.7	19607.1	21911.3	22835.3	22670.9	21922.7	21999.2	22568.9
62.5°	12850.3	12918.4	13958.5	16282.6	19680.8	23096.1	25156.5	25051.7	24048.3	23634.6	23804.6
65°	10308.1	10330.7	11407.7	14213.6	18215.5	23243.4	26774.9	26749.4	25533.5	24564.2	23835.8
67.5°	5878.2	5838.5	7278.3	10138.0	15032.7	21327.5	26879.7	27029.9	26015.3	24411.1	21851.8
70°	2548.0	2553.6	3216.8	5002.4	9729.9	17237.7	24966.6	25224.5	24620.9	21863.2	17385.1
72.5°	1179.0	1196.0	1482.3	2165.3	4155.0	10693.5	20358.2	20590.6	20071.9	17498.5	12649.1
75°	833.3	847.4	989.1	1241.4	1910.3	4166.3	13618.4	14105.9	14358.2	13088.4	8335.4
77.5°	632.0	651.9	722.7	861.6	1179.0	1476.6	6515.9	7677.9	9146.0	8142.7	4293.8
80°	402.5	402.5	479.0	575.3	719.9	768.1	1881.9	2230.5	4475.2	3355.7	1686.4
82.5°	272.1	280.6	325.9	365.6	413.8	436.5	807.8	861.6	1292.4	1142.2	694.4
85°	144.5	150.2	170.1	167.2	198.4	172.9	340.1	337.3	473.3	518.7	263.6
87.5°	0.0	0.0	2.8	2.8	5.7	8.5	36.8	39.7	99.2	158.7	87.9
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: P643944
CATALOG NUMBER: GWS-SA6F-830-U-T3-W

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	4767.2	4767.2	4767.2	4767.2	4767.2	4767.2	4767.2	4767.2	4767.2	4767.2	4767.2
2.5°	4789.8	4755.8	4772.8	4767.2	4784.2	4784.2	4753.0	4744.5	4747.3	4713.3	4702.0
5°	4832.3	4792.7	4801.2	4789.8	4806.8	4821.0	4806.8	4806.8	4823.8	4798.3	4784.2
7.5°	4928.7	4883.4	4883.4	4869.2	4889.0	4900.4	4889.0	4906.0	4937.2	4911.7	4897.5
10°	5081.8	5027.9	5030.7	5013.7	5022.2	5016.6	4971.2	4957.0	4965.6	4942.9	4931.5
12.5°	5280.2	5206.5	5206.5	5172.4	5152.6	5093.1	4999.6	4965.6	4971.2	4951.4	4942.9
15°	5470.0	5402.0	5387.9	5319.8	5229.1	5118.6	5033.6	5010.9	5016.6	4996.7	4982.6
17.5°	5693.9	5606.1	5555.1	5430.4	5263.1	5149.8	5064.7	5010.9	4965.6	4920.2	4908.9
20°	5900.8	5790.3	5696.8	5504.1	5300.0	5144.1	4985.4	4852.2	4741.6	4682.1	4668.0
22.5°	6113.4	5971.7	5807.3	5555.1	5297.2	5042.1	4750.2	4548.9	4384.5	4296.7	4313.7
25°	6314.6	6136.1	5912.2	5603.3	5206.5	4815.3	4418.5	4118.1	3931.1	3863.0	3843.2
27.5°	6481.9	6260.8	6008.5	5580.6	5019.4	4489.4	3965.1	3630.6	3449.2	3372.7	3352.9
30°	6668.9	6419.5	6147.4	5475.7	4724.6	4033.1	3452.1	3180.0	3049.6	2975.9	2978.8
32.5°	6884.3	6623.6	6343.0	5274.5	4347.7	3539.9	3029.8	2842.7	2737.9	2664.2	2652.8
35°	7173.4	6915.5	6473.4	4971.2	3868.7	3086.5	2740.7	2587.6	2457.3	2360.9	2341.1
37.5°	7530.5	7354.8	6487.5	4565.9	3355.7	2774.7	2533.8	2369.4	2210.7	2083.2	2069.0
40°	8142.7	7941.5	6371.3	4058.6	2919.2	2573.5	2360.9	2171.0	1986.8	1845.1	1825.2
42.5°	9015.7	8601.9	6121.9	3486.1	2590.5	2414.8	2196.5	1955.6	1768.6	1669.4	1655.2
45°	10126.7	9338.8	5747.8	2947.6	2346.7	2258.9	2023.6	1771.4	1672.2	1601.3	1587.2
47.5°	11487.1	10197.5	5317.0	2528.1	2156.8	2117.2	1847.9	1709.0	1621.2	1561.7	1547.5
50°	13113.9	11291.5	4962.7	2199.4	1986.8	1952.8	1791.2	1672.2	1601.3	1553.2	1541.8
52.5°	14970.3	12507.4	4789.8	1964.1	1839.4	1805.4	1771.4	1663.7	1604.2	1567.3	1553.2
55°	16897.6	13788.5	4628.3	1782.7	1714.7	1734.5	1774.2	1692.0	1646.7	1598.5	1584.3
57.5°	18759.7	14990.2	4231.5	1641.0	1624.0	1700.5	1788.4	1720.4	1666.5	1618.3	1601.3
60°	20043.6	15647.7	3559.8	1527.6	1556.0	1658.0	1751.5	1677.9	1609.8	1590.0	1581.5
62.5°	20389.4	15568.4	2763.4	1411.4	1473.8	1564.5	1655.2	1607.0	1536.1	1567.3	1570.2
65°	19581.6	14718.1	2074.6	1298.1	1366.1	1442.6	1556.0	1536.1	1510.6	1595.7	1598.5
67.5°	*17294.4*	*12629.3*	*1581.5*	*1198.9*	*1255.6*	*1349.1*	*1524.8*	*1607.0*	*1612.7*	*1720.4*	*1709.0*
70°	13085.6	9435.1	1238.6	1105.3	1170.5	1349.1	1624.0	1660.9	1592.8	1692.0	1669.4
72.5°	9046.8	6226.8	1054.3	1023.2	1065.7	1286.7	1621.2	1621.2	1547.5	1547.5	1505.0
75°	5620.3	3661.8	918.3	918.3	918.3	1125.2	1575.8	1493.6	1363.3	1303.7	1269.7
77.5°	2774.7	1779.9	770.9	799.2	768.1	941.0	1286.7	1221.5	1142.2	1079.8	1057.2
80°	1184.7	889.9	623.5	654.7	617.9	708.6	1020.3	1006.1	929.6	847.4	821.9
82.5°	544.2	459.1	498.8	513.0	450.6	532.8	745.4	745.4	702.9	589.5	547.0
85°	232.4	243.7	345.8	345.8	283.4	300.4	399.6	379.8	340.1	277.8	255.1
87.5°	79.4	119.0	175.7	153.0	59.5	25.5	14.2	5.7	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

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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

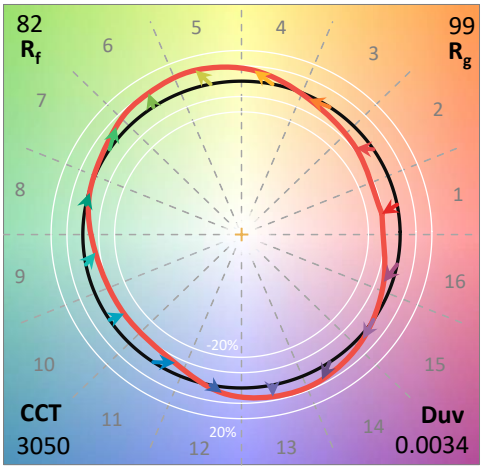
Test Information

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

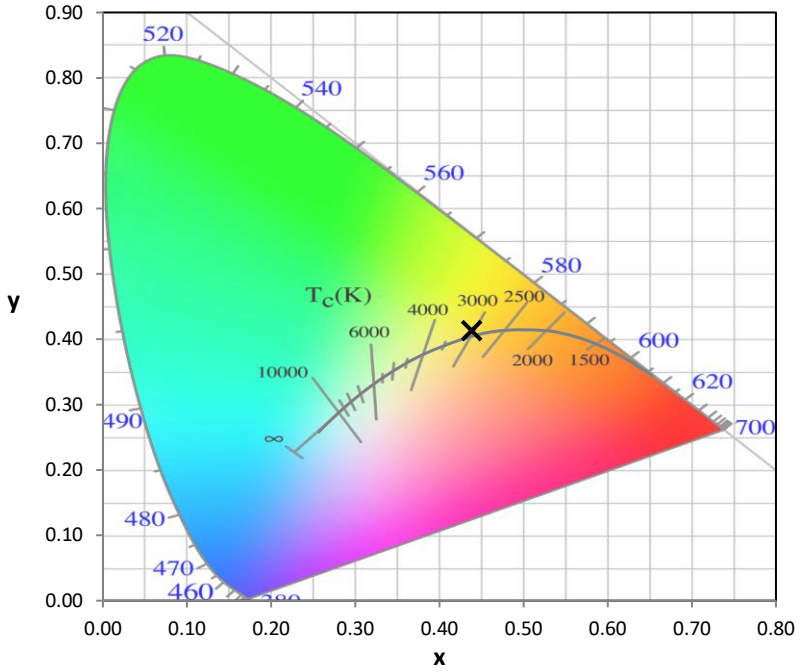
Stabilization Time:	20M
Operation Time:	1H 20M
Sphere Temperature (°C):	24.2

REPORT NUMBER: SP1-2408-195-9

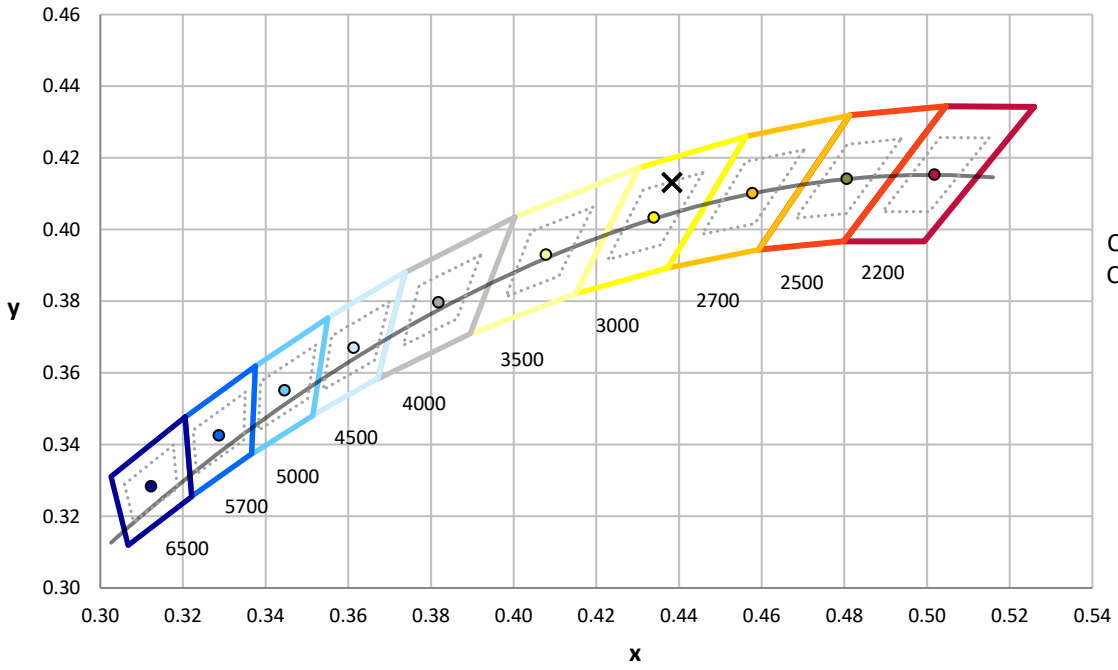
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

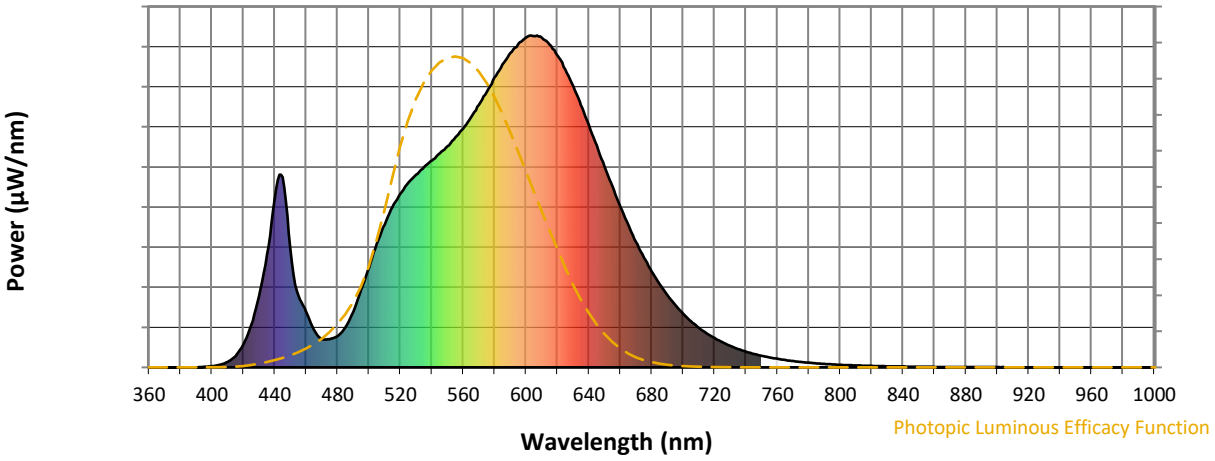


CCT = 3050K
CIE x = 0.4383
CIE y = 0.4131
Duv = 0.0034

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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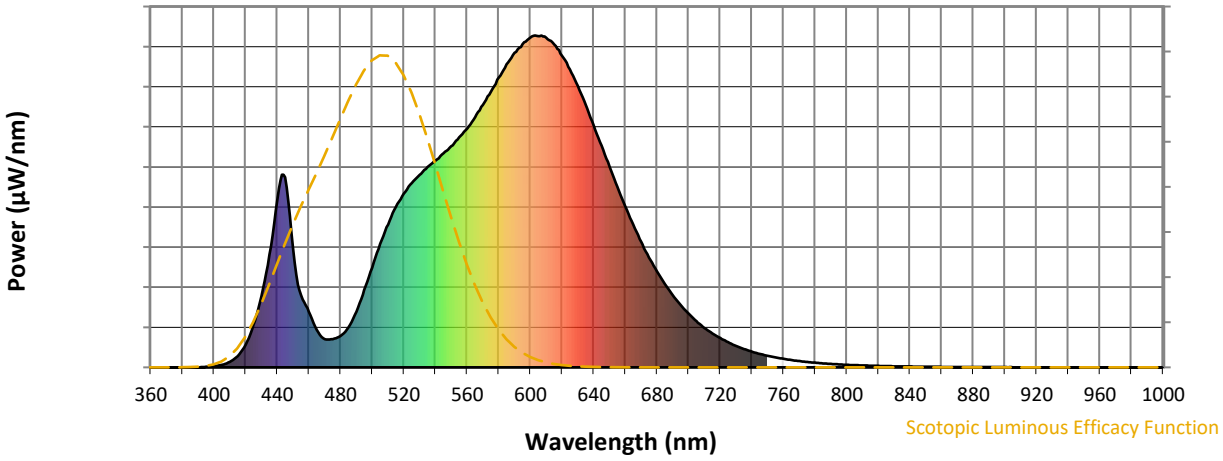
Scotopic Flux vs. Wavelength



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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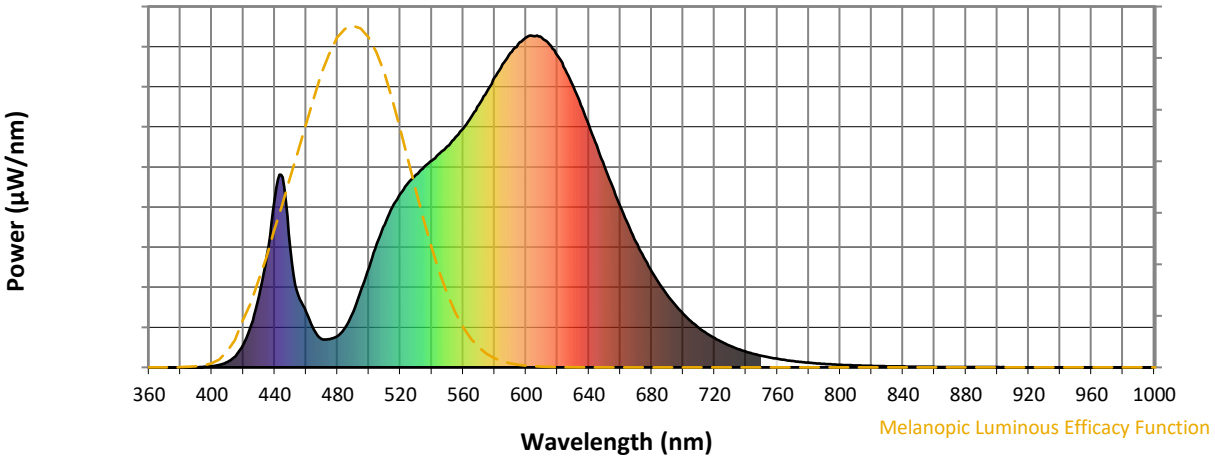
Melanopic Flux vs. Wavelength



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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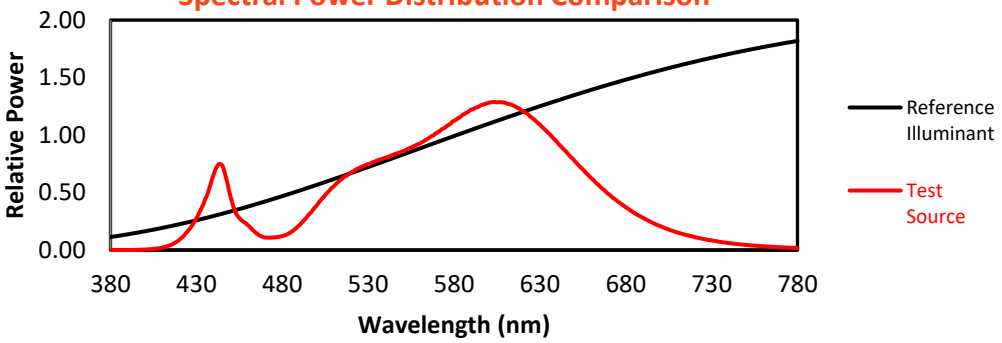
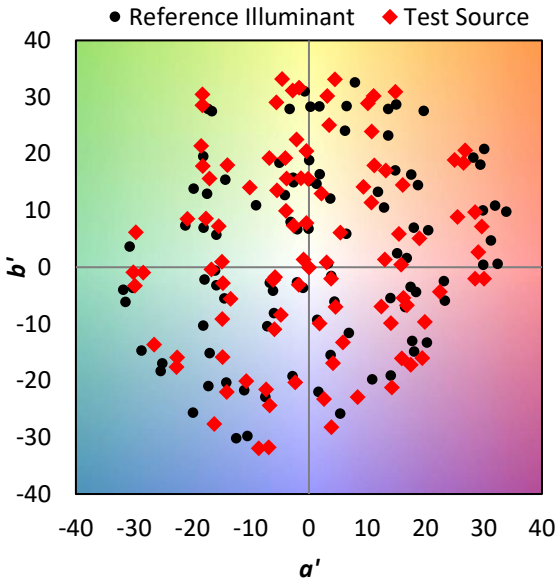
Summary

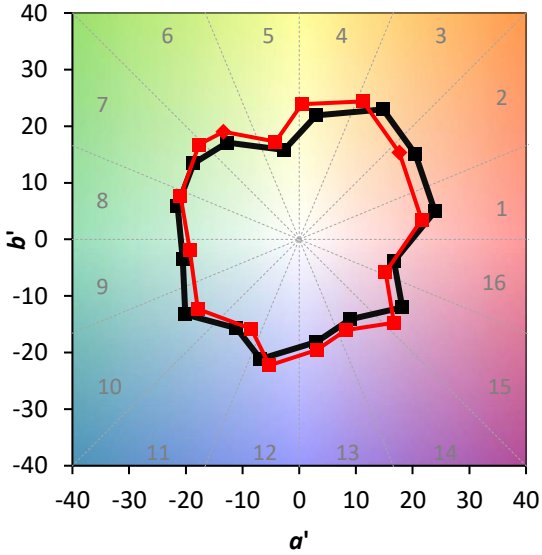
R_f = 81.5
R_g = 99.2
CIE R_a = 81.0
R_9 = 7.1

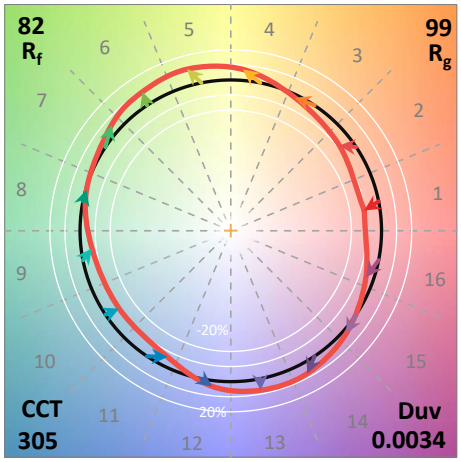
Spectral Power Distribution Comparison

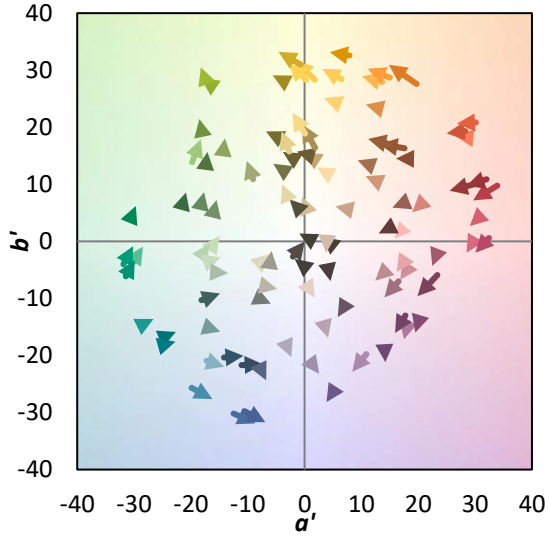


Color Vector Graphics









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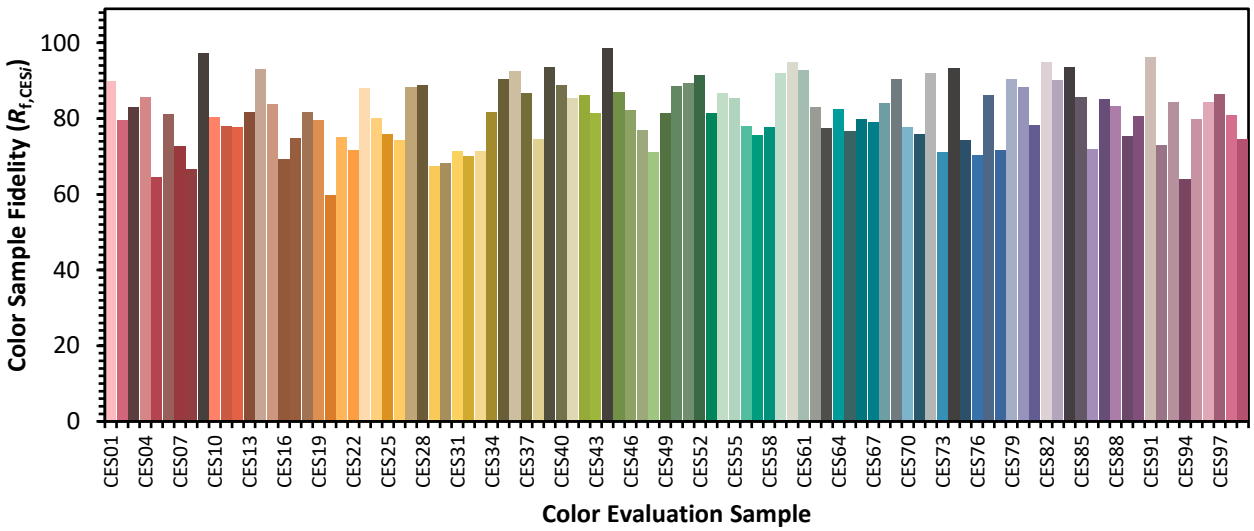
Individual Sample Fidelity Index ($R_{f,i}$)

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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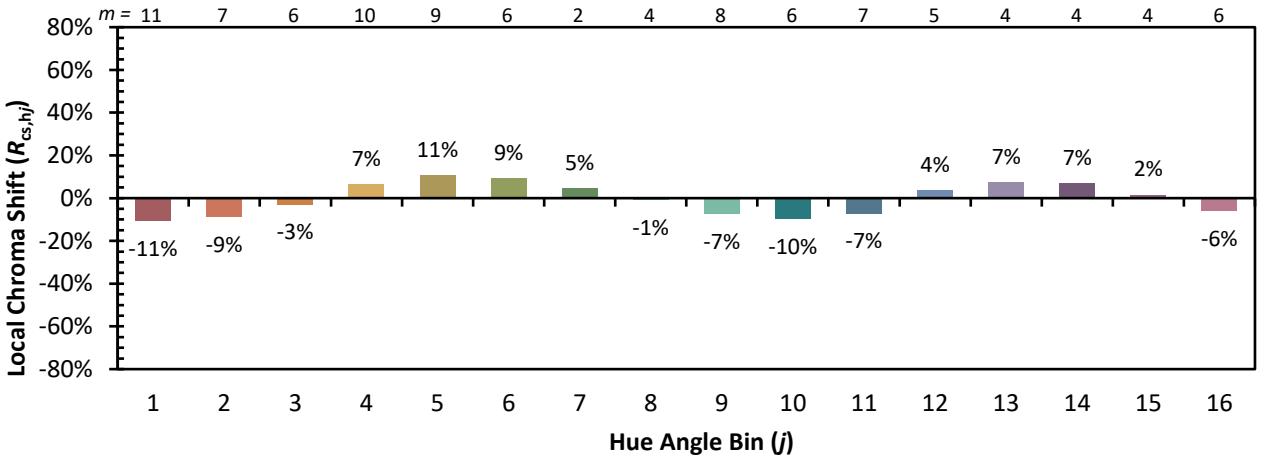
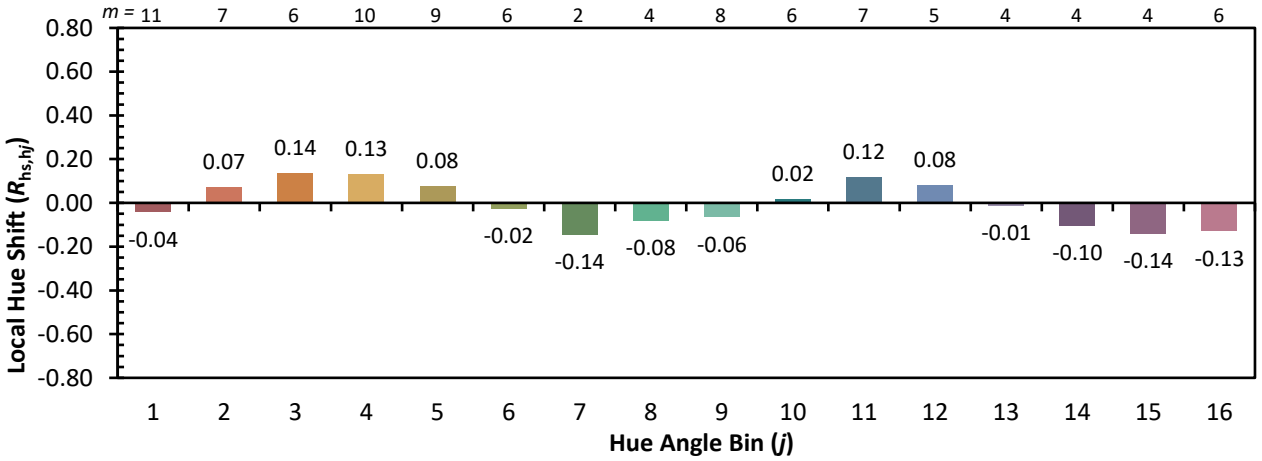
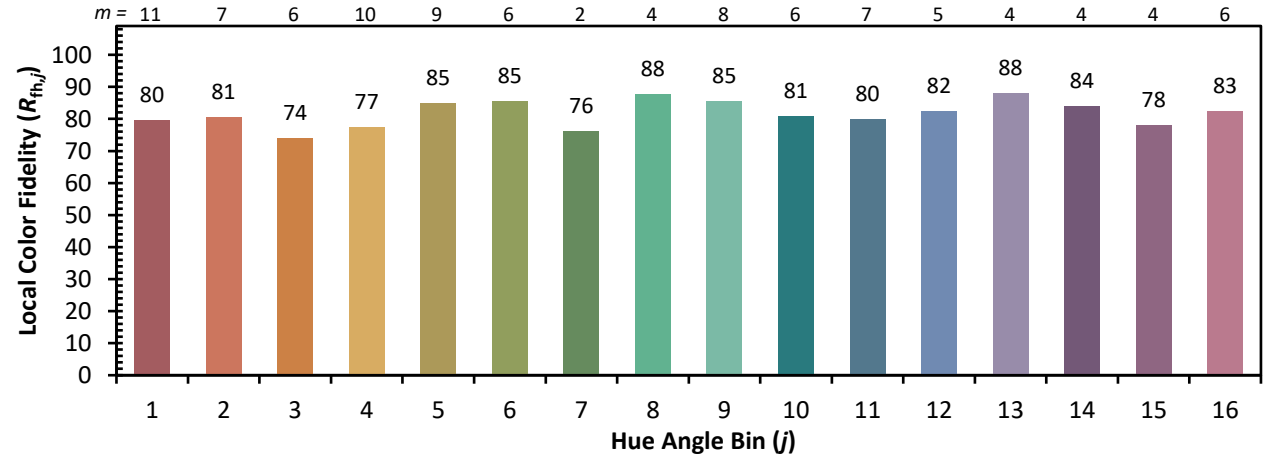
Color Rendition by Hue-Angle Bin







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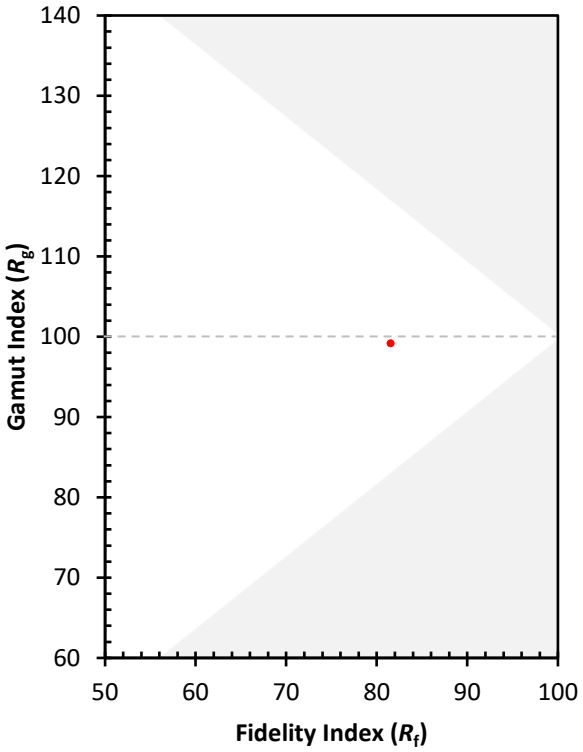
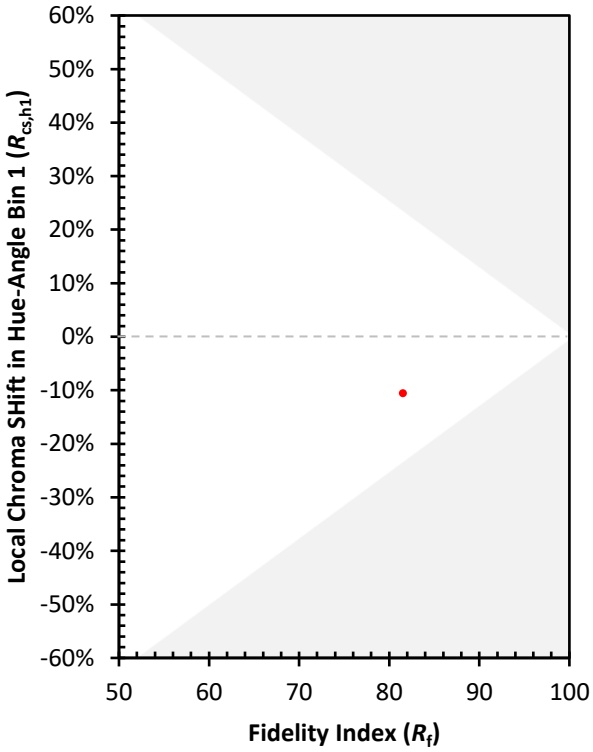
Measure Comparisons





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