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: P643952

Luminaire Tested: GWS-SA6F-830-U-T4W-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:	P643952
	TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-52)
Test Lab:	COOPER LIGHTING SOLUTIONS
Issue Date:	1/10/2023
Manufacturer:	COOPER LIGHTING SOLUTIONS
Product Line:	McGRAW-EDISON
Catalog Number:	GWS-SA6F-830-U-T4W-W
Description:	GALLEON WALL SLIM LUMINAIRE. (6) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE IV WIDE OPTICS
Light Source:	(96) 3000K CCT, 80 CRI LEDS
Ballast/Driver:	-

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	39198.1 lumens
Efficiency:	N/A
Efficacy:	105.2 lumens/watt
Luminous Opening:	Rectangular (W 2' x L: 1' x H: 0')
IES Classification:	Type III - Short
BUG Rating:	B4 - 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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REPORT NUMBER: P643952
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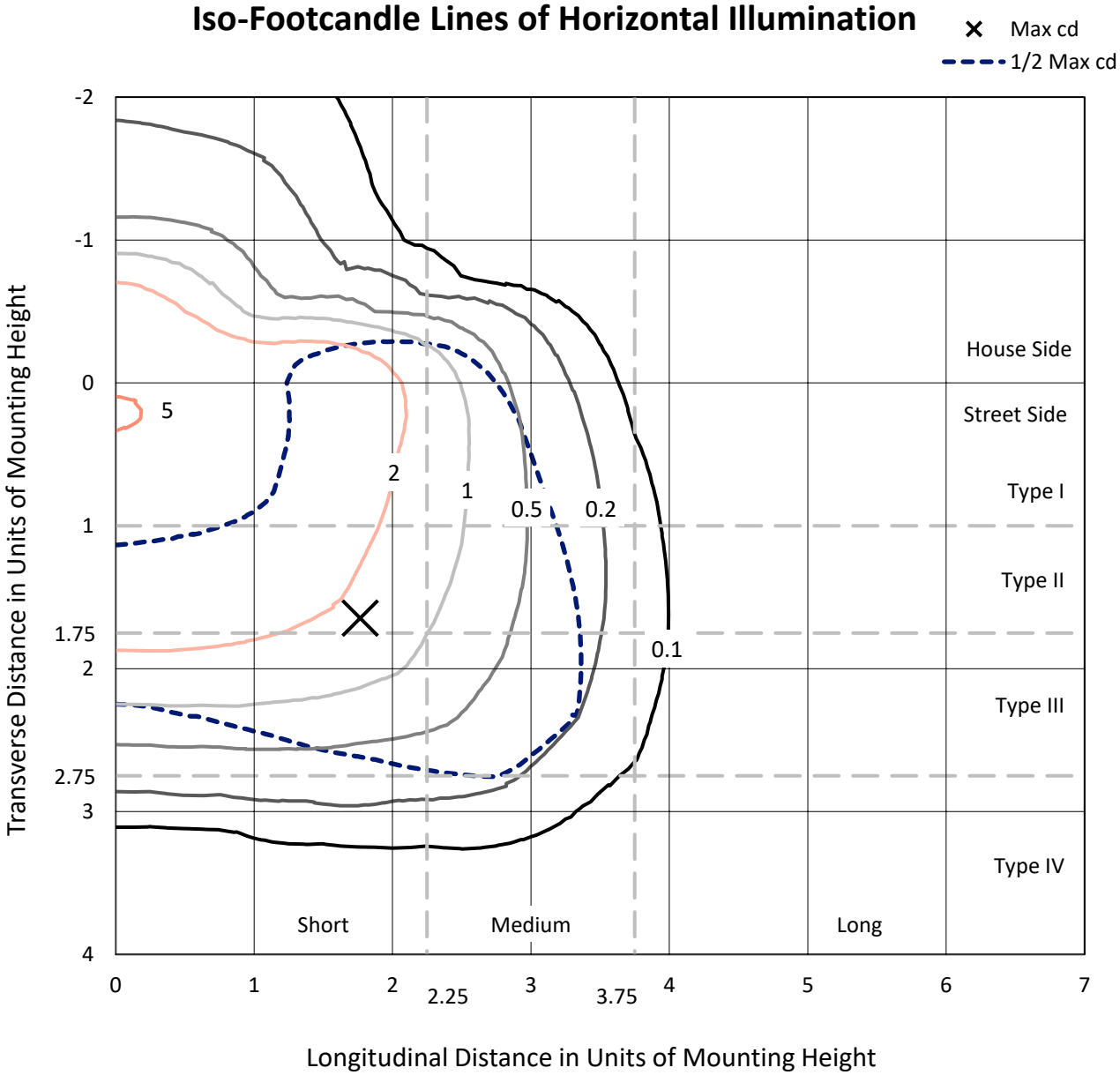
Iso-Footcandle Lines of Horizontal Illumination



Based on 30 foot mounting height. Maximum calculated value = 5.4 fc
Type III - Short - N/A

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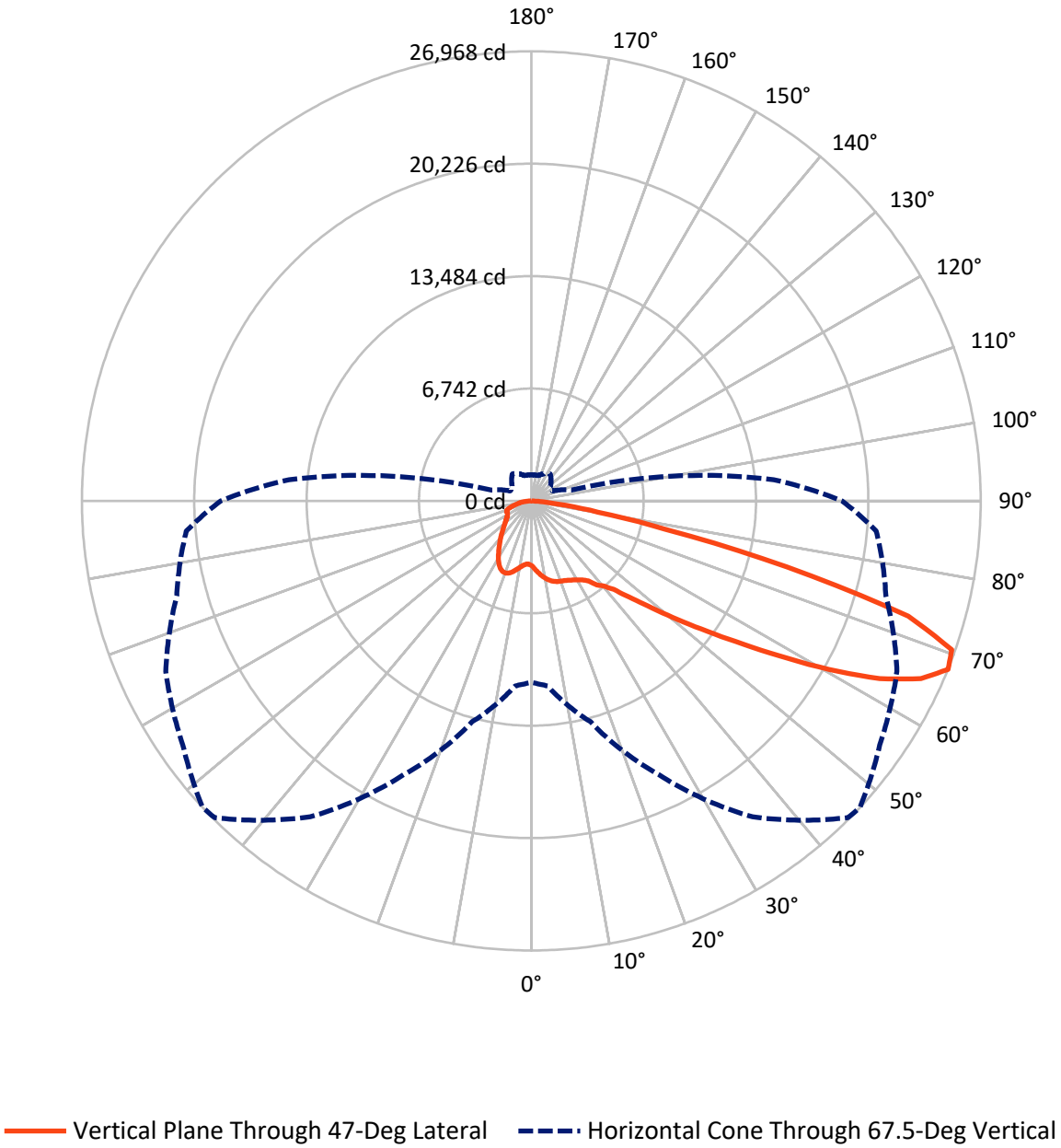
Luminous Intensity Polar Plot



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REPORT NUMBER: P643952
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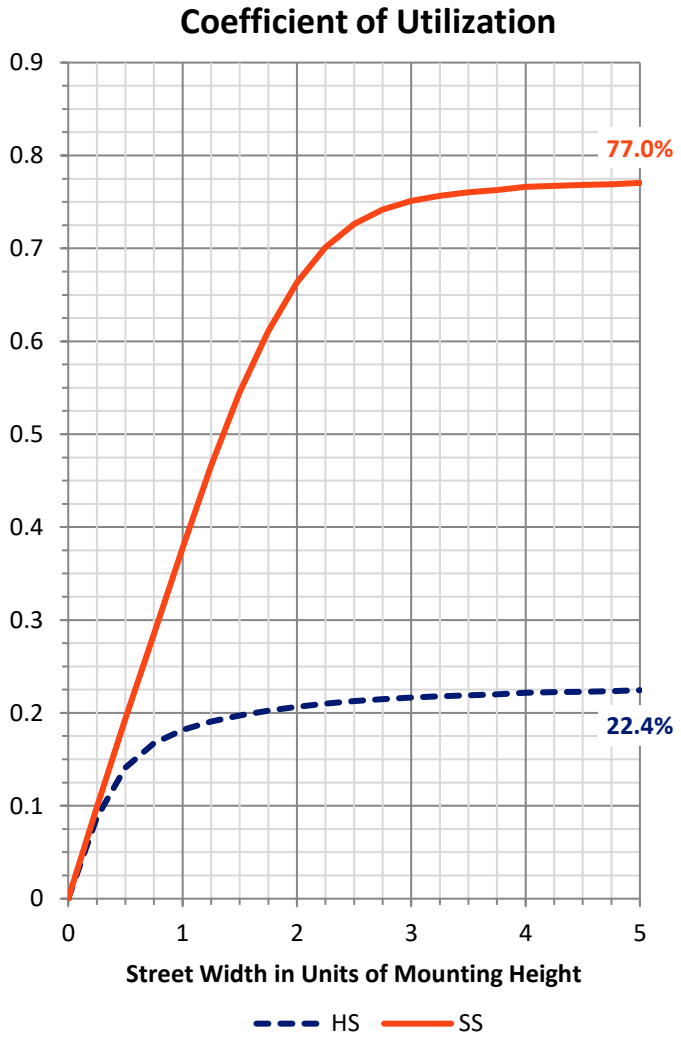
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	8933.5	0.0	8933.5
	% Fixture	22.8	0.0	22.8
Street Side	Lumens	30264.6	0.0	30264.6
	% Fixture	77.2	0.0	77.2
Total	Lumens	39198.1	0.0	39198.1
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	397.1	1.0
10°-20°	1323.1	3.4
20°-30°	2248.9	5.7
30°-40°	3294.4	8.4
40°-50°	5019.4	12.8
50°-60°	8980.8	22.9
60°-70°	11983.9	30.6
70°-80°	5419.4	13.8
80°-90°	531.0	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°	39198.1	100.0
0°-180°	39198.1	100.0



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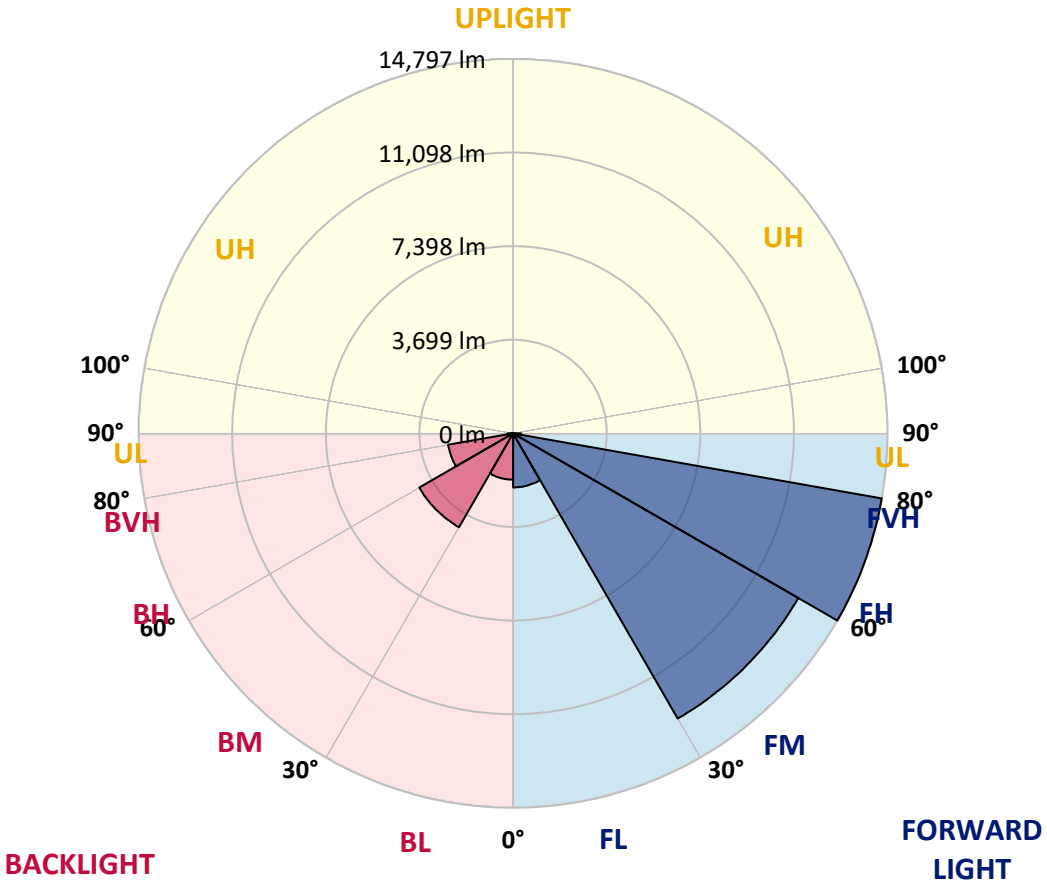
REPORT NUMBER: P643952
CATALOG NUMBER: GWS-SA6F-830-U-T4W-W

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	2137.7	5.5			
FM	(30°-60°)	13014.2	33.2			
FH	(60°-80°)	14796.8	37.7			G5
FVH	(80°-90°)	315.8	0.8			G3/500
BL	(0°-30°)	1831.4	4.7	B3/2500		
BM	(30°-60°)	4280.5	10.9	B3/5000		
BH	(60°-80°)	2606.5	6.6	B4/5000		G4/5000
BVH	(80°-90°)	215.1	0.5			G2/225
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B4-U0-G5
Type III Short



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REPORT NUMBER: P643952
CATALOG NUMBER: GWS-SA6F-830-U-T4W-W

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	47°	55°	65°	75°	85°
0°	3885.8	3885.8	3885.8	3885.8	3885.8	3885.8	*3885.8*	3885.8	3885.8	3885.8	3885.8
2.5°	4143.7	4157.9	4155.0	4132.4	4118.2	4092.7	*4095.5*	4055.8	3996.3	3956.6	3911.3
5°	4509.3	4532.0	4503.6	4466.8	4410.1	4327.9	*4319.4*	4228.7	4115.3	4036.0	3953.8
7.5°	4826.7	4840.9	4806.9	4744.6	4662.4	4551.8	*4532.0*	4424.3	4282.6	4157.9	4038.8
10°	5073.3	5090.3	5045.0	4962.8	4855.1	4744.6	*4730.4*	4619.8	4469.6	4322.2	4172.0
12.5°	5283.1	5288.7	5240.5	5130.0	5013.8	4900.4	*4886.3*	4784.2	4645.4	4495.1	4330.8
15°	5404.9	5407.8	5348.3	5226.4	5115.8	5016.6	*5008.1*	4920.3	4792.7	4651.0	4475.3
17.5°	5396.4	5402.1	5359.6	5251.9	5155.5	5096.0	*5087.5*	5030.8	4931.6	4804.1	4628.3
20°	5291.6	5297.2	5268.9	5198.0	5147.0	5130.0	*5132.8*	5115.8	5056.3	4951.5	4772.9
22.5°	5209.4	5217.9	5192.4	5141.3	5135.7	5175.4	*5183.9*	5192.4	5164.0	5070.5	4897.6
25°	5249.1	5263.2	5223.5	5152.7	5164.0	5251.9	*5268.9*	5297.2	5274.6	5195.2	5045.0
27.5°	5524.0	5532.5	5430.4	5285.9	5251.9	5345.4	*5370.9*	5416.3	5399.3	5325.6	5209.4
30°	6161.7	6156.0	5937.8	5583.5	5441.8	5478.6	*5498.5*	5563.7	5569.3	5521.1	5410.6
32.5°	7060.1	7031.8	6694.5	6130.5	5719.5	5628.8	*5651.5*	5739.4	5804.6	5753.6	5603.3
35°	8009.6	7984.1	7612.8	6952.4	6232.5	5917.9	*5892.4*	5960.5	6059.7	5917.9	5702.5
37.5°	8913.8	8874.1	8494.3	7678.0	6864.6	6425.3	*6388.4*	6320.4	6260.9	5988.8	5824.4
40°	9917.1	9871.7	9540.1	8616.2	7561.8	6813.6	*6720.0*	6450.8	6396.9	6224.0	6141.8
42.5°	10988.4	10988.4	10713.5	9803.7	8403.6	7369.1	*7247.2*	6841.9	6898.6	6785.2	6688.9
45°	12059.8	12091.0	11872.7	10999.8	9528.8	8417.8	*8222.2*	7646.8	7782.9	7731.9	7683.7
47.5°	12972.4	13031.9	12989.4	12221.3	10906.2	9693.2	*9395.6*	8797.5	9089.5	9211.3	9347.4
50°	13955.9	14021.1	13978.6	13675.3	12518.9	11237.8	*10971.4*	10353.6	10855.2	11220.8	11665.8
52.5°	15415.5	15509.1	15154.8	15038.6	14477.4	12992.3	*12754.2*	12051.3	12961.1	13567.6	14559.6
55°	16648.5	16645.6	16520.9	16787.3	16580.4	15137.8	*14874.2*	14236.5	15398.5	16041.9	17493.1
57.5°	17221.0	17289.0	17717.0	18470.9	18884.7	17759.5	*17507.2*	16855.4	18014.6	18349.0	19916.4
60°	17515.7	17600.8	18428.4	19919.2	21033.1	20622.1	*20522.9*	19692.4	20344.3	20304.6	21959.9
62.5°	17101.9	17272.0	18601.3	20582.4	22566.4	23498.9	*23467.7*	22212.1	22325.5	21937.2	23226.8
65°	15203.0	15387.2	17473.2	20250.8	23442.2	25686.9	*25695.4*	24493.7	23847.5	22730.8	23014.2
67.5°	*10872.2*	*11135.8*	*13715.0*	*18119.4*	*23133.2*	*26868.8*	*26968.0*	*25528.2*	*24204.6*	*22027.9*	*20780.8*
70°	5926.4	6119.2	8140.0	13170.8	20350.0	26585.4	*26769.6*	25029.4	22628.7	19054.7	15996.6
72.5°	2692.5	2754.9	3786.6	7227.4	13902.1	22883.8	*23654.7*	22336.8	18584.3	14074.9	10172.2
75°	1232.9	1261.2	1649.5	3457.8	7264.2	15313.5	*15854.9*	16637.1	12932.7	8888.2	5302.9
77.5°	773.8	782.3	938.1	1581.5	3622.2	7644.0	*8213.7*	9905.7	7573.1	4398.8	2216.4
80°	456.3	464.8	583.9	855.9	1700.6	3497.5	*4038.8*	3916.9	3559.8	1899.0	1009.0
82.5°	229.6	238.1	337.3	487.5	926.8	1391.6	*1638.2*	1646.7	1326.4	1028.8	569.7
85°	82.2	85.0	110.5	192.7	394.0	459.2	*513.0*	626.4	649.0	598.0	274.9
87.5°	0.0	0.0	2.8	5.7	11.3	45.3	*48.2*	90.7	189.9	212.6	110.5
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: P643952
CATALOG NUMBER: GWS-SA6F-830-U-T4W-W

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	3885.8	3885.8	3885.8	3885.8	3885.8	3885.8	3885.8	3885.8	3885.8	3885.8	3885.8
2.5°	3897.1	3854.6	3840.4	3826.3	3803.6	3795.1	3778.1	3761.1	3761.1	3744.1	3735.6
5°	3916.9	3860.3	3823.4	3806.4	3792.2	3800.7	3800.7	3806.4	3826.3	3814.9	3820.6
7.5°	3987.8	3922.6	3871.6	3857.4	3857.4	3891.4	3914.1	3942.5	3979.3	3985.0	3985.0
10°	4112.5	4036.0	3982.1	3973.6	3987.8	4036.0	4070.0	4104.0	4149.4	4152.2	4157.9
12.5°	4248.6	4172.0	4118.2	4129.5	4143.7	4206.0	4242.9	4271.2	4316.6	4316.6	4313.7
15°	4390.3	4305.2	4259.9	4282.6	4325.1	4395.9	4401.6	4404.4	4427.1	4421.4	4418.6
17.5°	4537.7	4447.0	4412.9	4447.0	4492.3	4526.3	4498.0	4458.3	4449.8	4438.5	4432.8
20°	4682.2	4588.7	4574.5	4600.0	4614.2	4585.8	4498.0	4424.3	4390.3	4373.3	4367.6
22.5°	4806.9	4727.5	4719.0	4719.0	4648.2	4549.0	4418.6	4319.4	4274.1	4251.4	4245.7
25°	4954.3	4880.6	4866.4	4789.9	4608.5	4427.1	4251.4	4160.7	4123.9	4112.5	4115.3
27.5°	5127.2	5076.2	5030.8	4812.6	4495.1	4211.7	4013.3	3973.6	3959.5	3973.6	3982.1
30°	5339.7	5288.7	5186.7	4784.2	4313.7	3931.1	3741.2	3738.4	3780.9	3817.7	3823.4
32.5°	5512.6	5490.0	5322.7	4693.5	4058.7	3622.2	3460.6	3472.0	3548.5	3599.5	3608.0
35°	5648.7	5685.5	5436.1	4543.3	3755.4	3330.3	3202.7	3208.4	3250.9	3321.8	3324.6
37.5°	5841.4	5966.1	5538.1	4313.7	3406.8	3078.0	2961.8	2919.3	2913.6	2933.5	2939.1
40°	6229.7	6416.8	5611.8	3979.3	3069.5	2851.3	2720.9	2638.7	2567.8	2514.0	2497.0
42.5°	6816.4	7031.8	5654.4	3574.0	2769.1	2627.4	2480.0	2375.1	2250.4	2137.0	2097.4
45°	7893.4	7964.3	5654.4	3143.2	2502.7	2417.6	2270.2	2145.5	1986.8	1853.6	1825.3
47.5°	9616.6	9389.9	5660.0	2726.6	2267.4	2233.4	2105.9	1964.1	1788.4	1677.9	1660.9
50°	12212.8	11416.4	5776.2	2380.8	2071.8	2077.5	1984.0	1828.1	1669.4	1587.2	1573.0
52.5°	15154.8	13913.4	6088.0	2125.7	1907.5	1950.0	1899.0	1748.7	1607.0	1536.2	1522.0
55°	17921.0	16209.1	6354.4	1944.3	1768.6	1842.3	1839.4	1700.6	1573.0	1502.2	1493.7
57.5°	20273.5	17782.2	6314.7	1796.9	1649.5	1743.1	1785.6	1669.4	1550.3	1490.8	1482.3
60°	21735.9	18615.4	5750.7	1660.9	1558.8	1672.2	1754.4	1660.9	1561.7	1547.5	1550.3
62.5°	22370.8	18462.4	4668.0	1558.8	1499.3	1638.2	1788.4	1720.4	1666.5	1700.6	1720.4
65°	21384.5	17147.3	3435.1	1482.3	1442.6	1646.7	1867.8	1813.9	1666.5	1689.2	1697.7
67.5°	*18646.6*	*14596.4*	*2482.8*	*1405.8*	*1371.8*	*1672.2*	*1981.1*	*1799.8*	*1570.2*	*1570.2*	*1553.2*
70°	13437.2	10498.1	1802.6	1329.3	1300.9	1635.4	1986.8	1703.4	1459.6	1451.1	1408.6
72.5°	8086.1	6192.9	1405.8	1244.2	1193.2	1451.1	1862.1	1590.0	1351.9	1281.1	1230.1
75°	4200.4	3103.5	1179.1	1150.7	1023.2	1230.1	1703.4	1414.3	1156.4	1094.0	1065.7
77.5°	1799.8	1451.1	1011.8	1026.0	850.3	1034.5	1374.6	1224.4	1026.0	946.6	921.1
80°	887.1	824.8	799.3	821.9	680.2	799.3	1184.7	1071.4	870.1	779.4	742.6
82.5°	507.3	481.8	575.4	583.9	484.7	668.9	1000.5	907.0	719.9	620.7	561.2
85°	235.2	252.2	348.6	351.4	300.4	459.2	654.7	510.2	382.6	317.4	303.3
87.5°	93.5	110.5	153.1	150.2	87.9	85.0	56.7	31.2	25.5	22.7	19.8
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

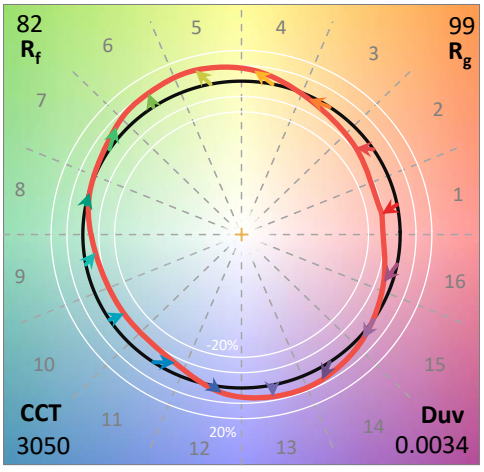
Test Information

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

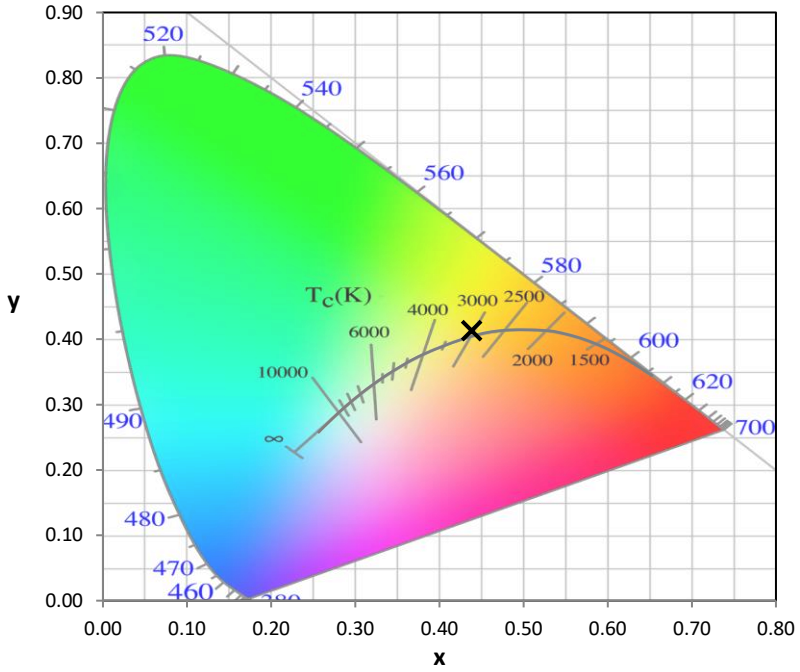
Stabilization Time:	20M
Operation Time:	1H 20M
Sphere Temperature (°C):	24.2

REPORT NUMBER: SP1-2408-195-9

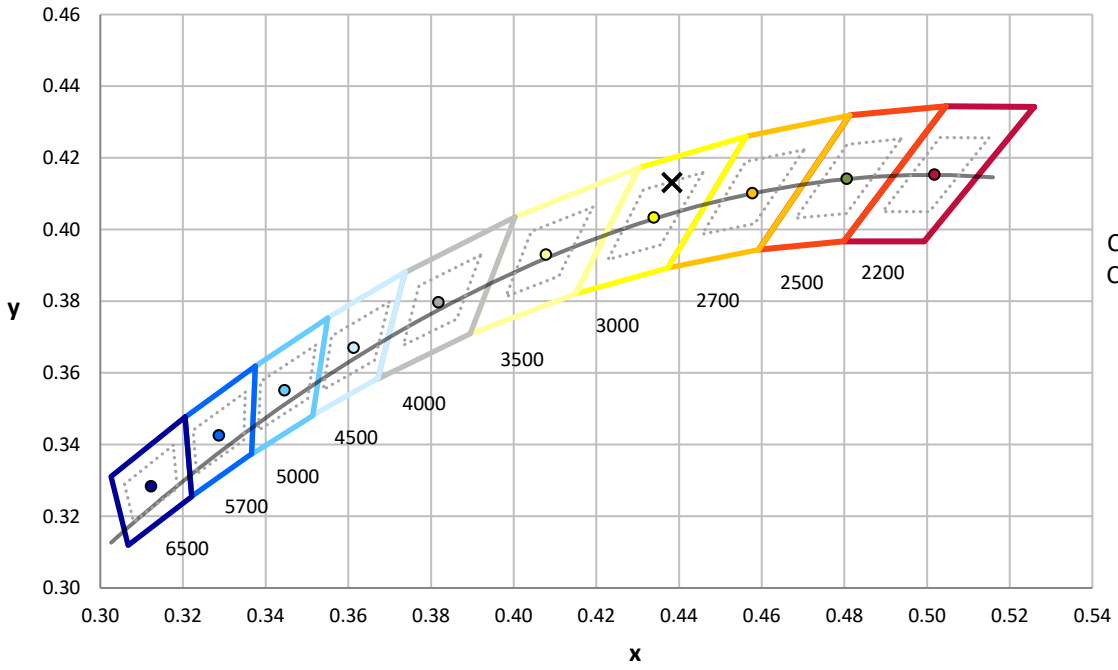
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

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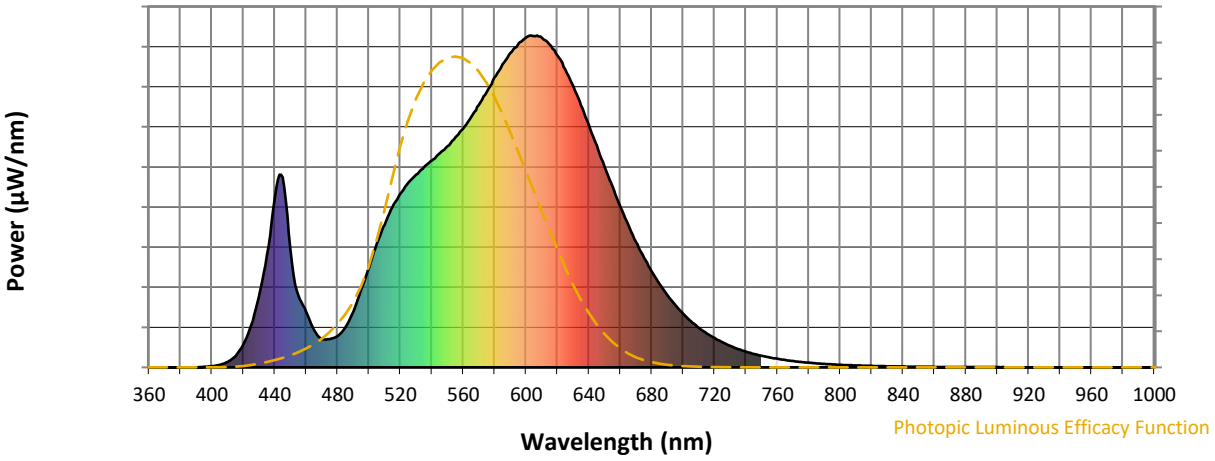
Photopic Flux vs. Wavelength



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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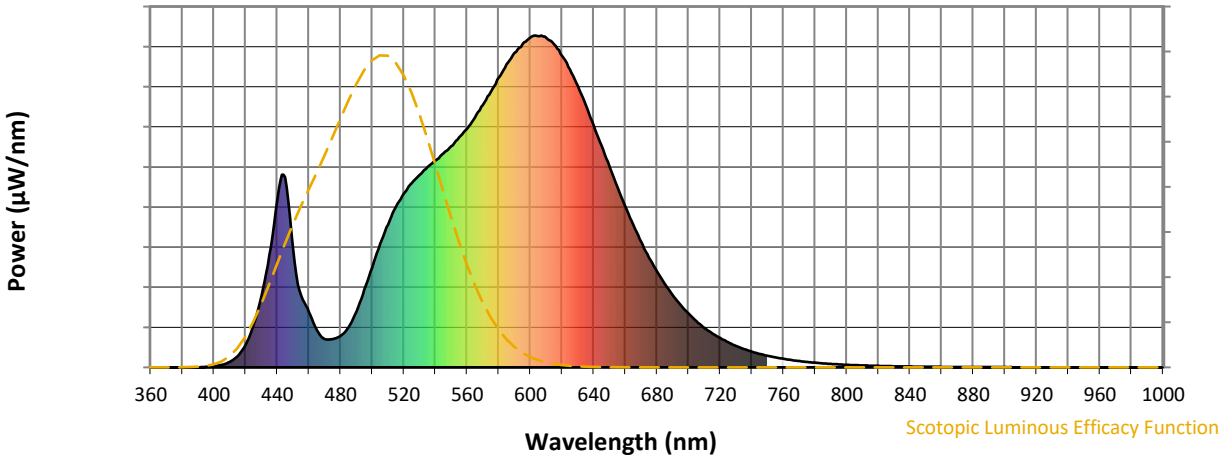
Scotopic Flux vs. Wavelength



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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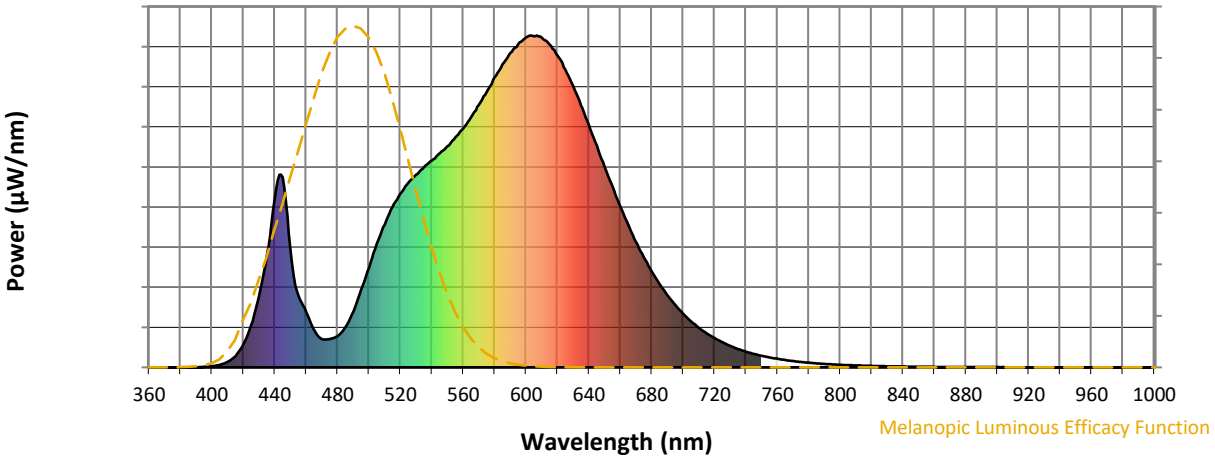
Melanopic Flux vs. Wavelength



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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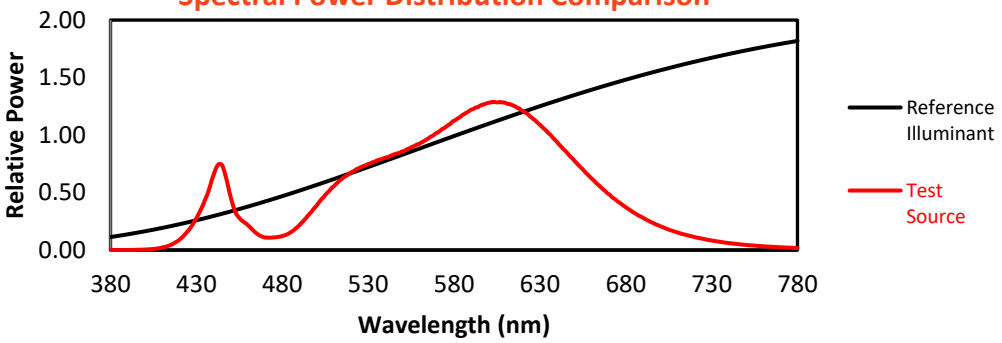
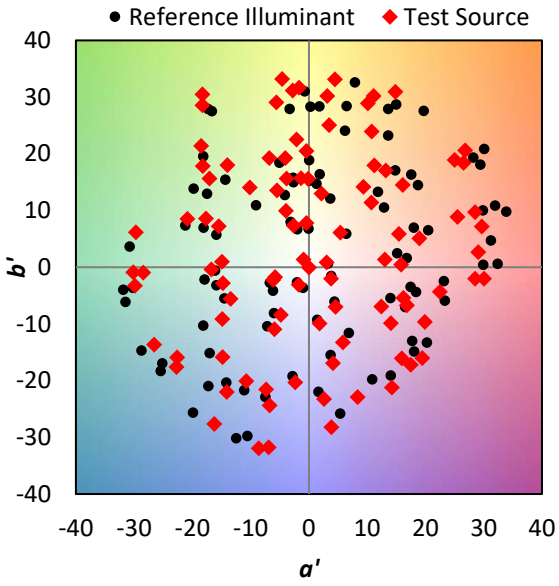
Summary

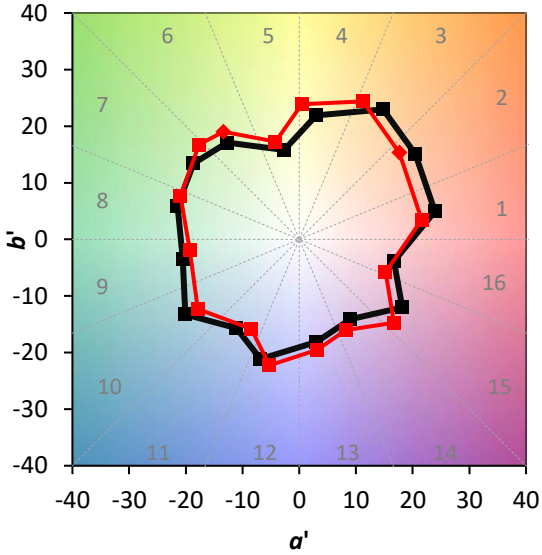
R_f = 81.5
R_g = 99.2
CIE R_a = 81.0
R_9 = 7.1

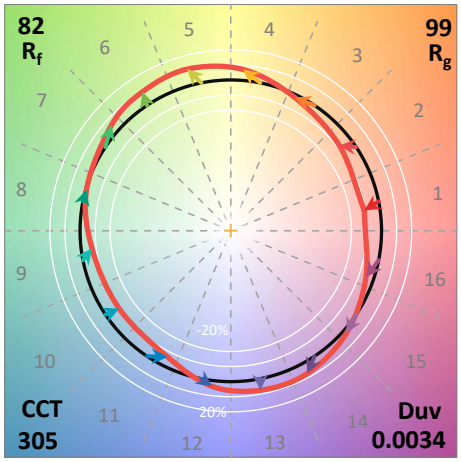
Spectral Power Distribution Comparison

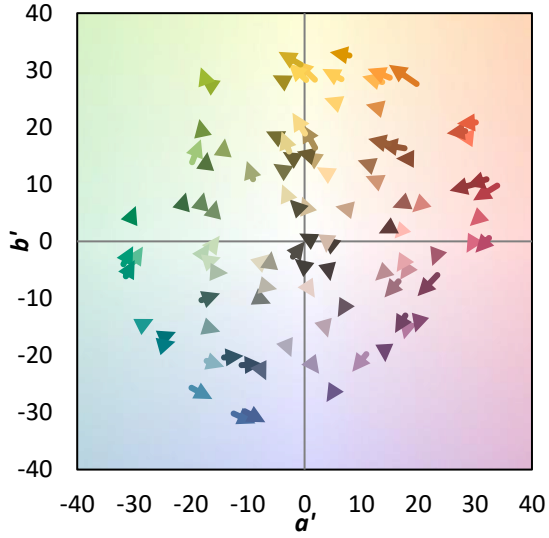


Color Vector Graphics









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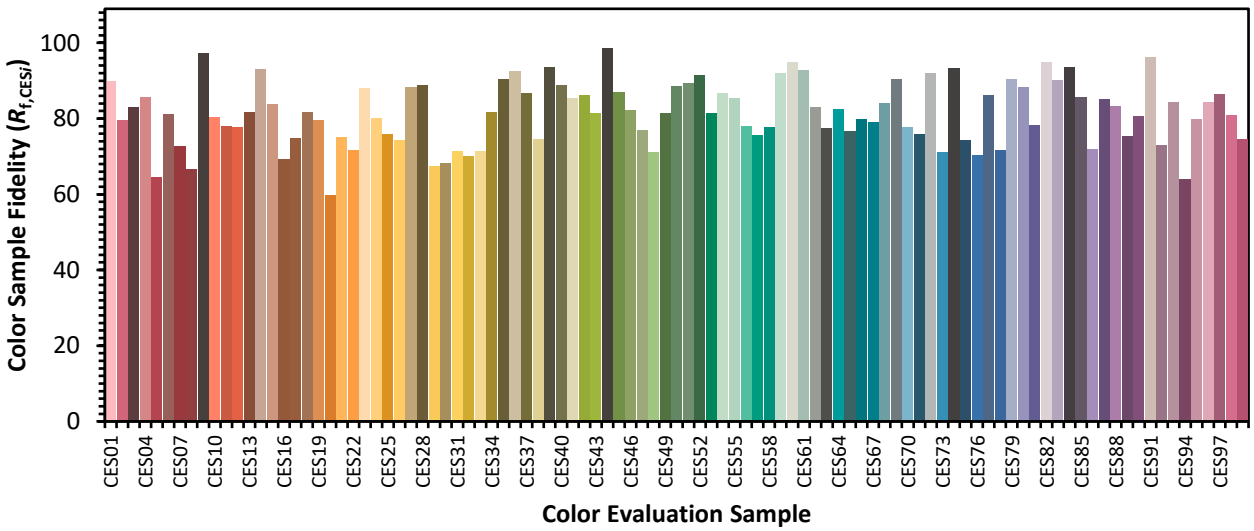
Individual Sample Fidelity Index ($R_{f,i}$)

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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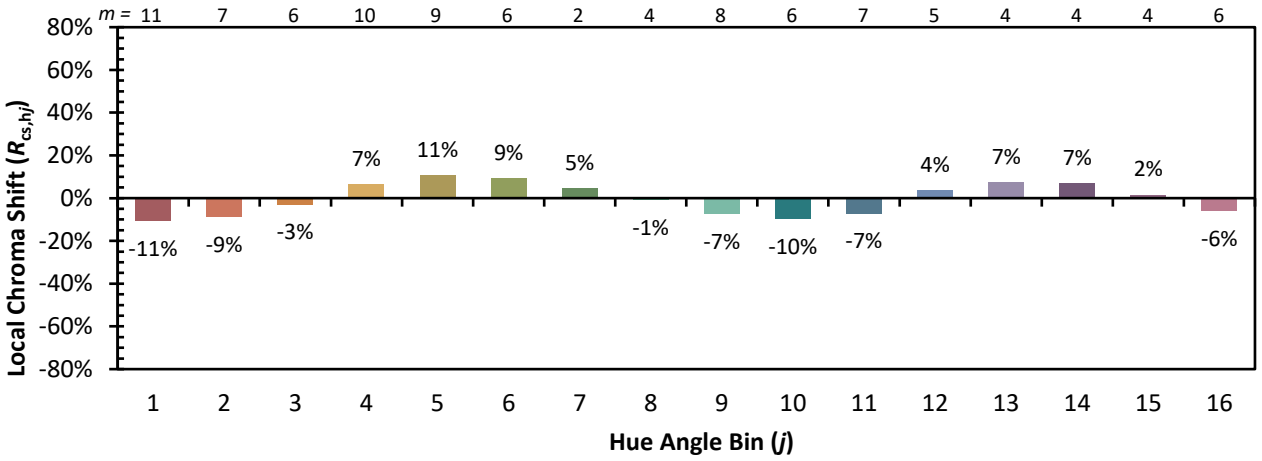
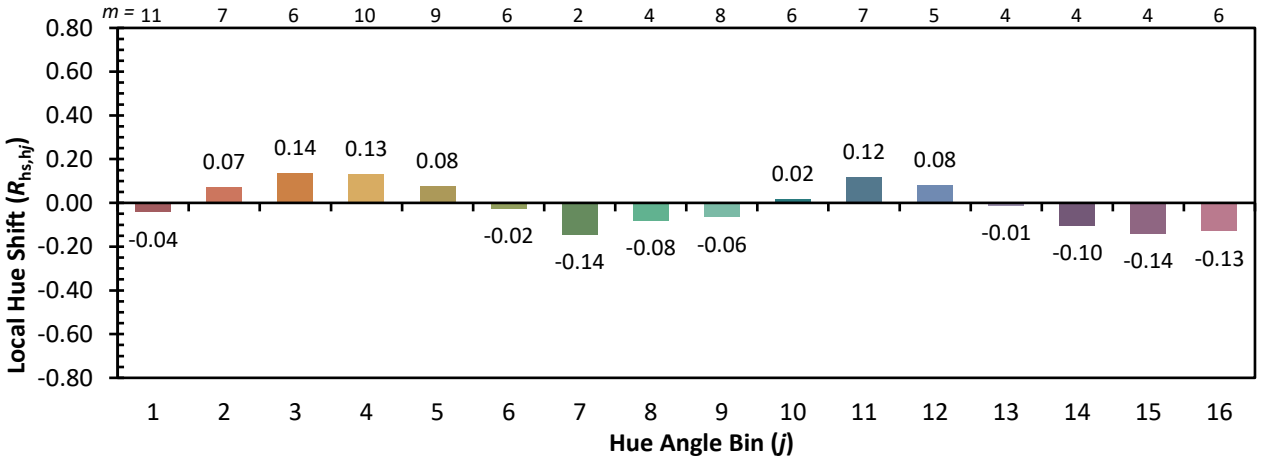
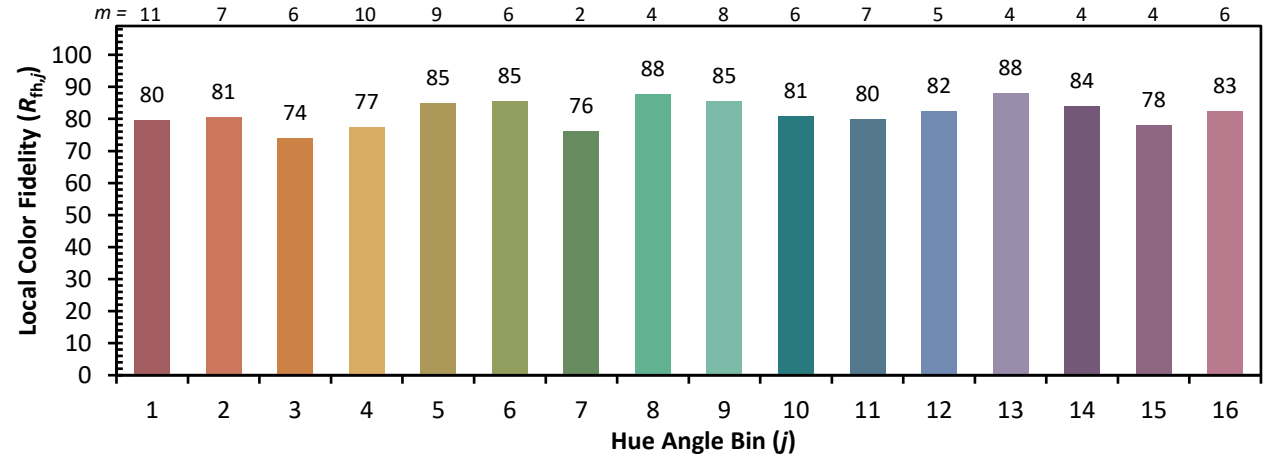
Color Rendition by Hue-Angle Bin







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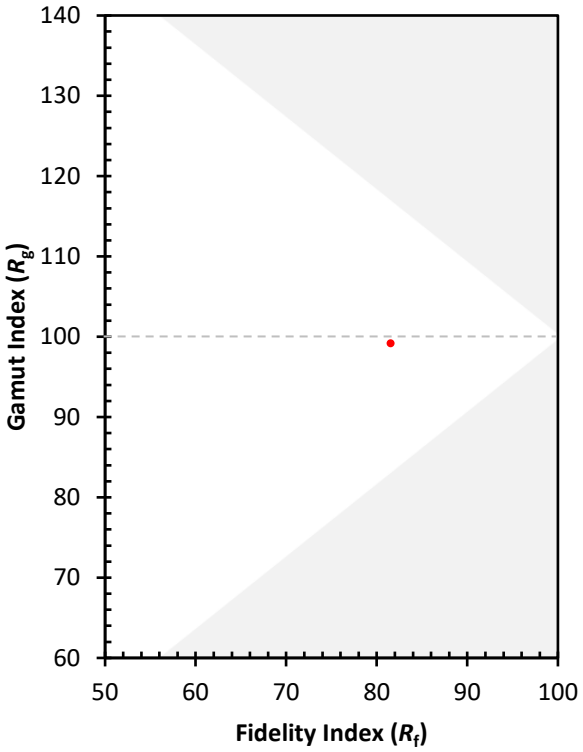
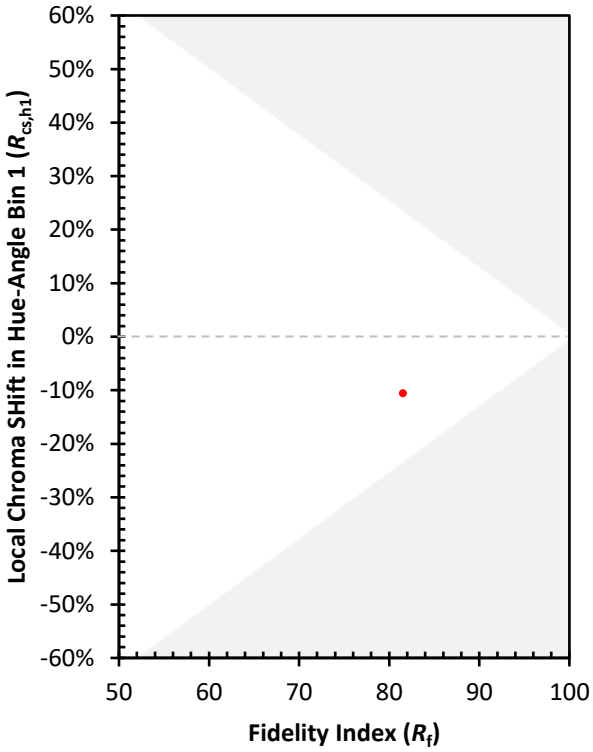
Measure Comparisons





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