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: P642932

Luminaire Tested: GWS-SA6D-830-U-SL4-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:	P642932
	TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-36)
Test Lab:	COOPER LIGHTING SOLUTIONS
Issue Date:	1/10/2023
Manufacturer:	COOPER LIGHTING SOLUTIONS
Product Line:	McGRAW-EDISON
Catalog Number:	GWS-SA6D-830-U-SL4-W-HSS
Description:	GALLEON WALL SLIM LUMINAIRE. (6) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE IV SPILL LIGHT ELIMINATOR OPTICS WITH HOUSE SIDE SHIELD
Light Source:	(96) 3000K CCT, 80 CRI LEDS
Ballast/Driver:	-

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	22421.1 lumens
Efficiency:	N/A
Efficacy:	91.3 lumens/watt
Luminous Opening:	Rectangular (W 2' x L: 1' x H: 0')
IES Classification:	Type IV - Short
BUG Rating:	B2 - U0 - G4

Input Watts (W):	245.7
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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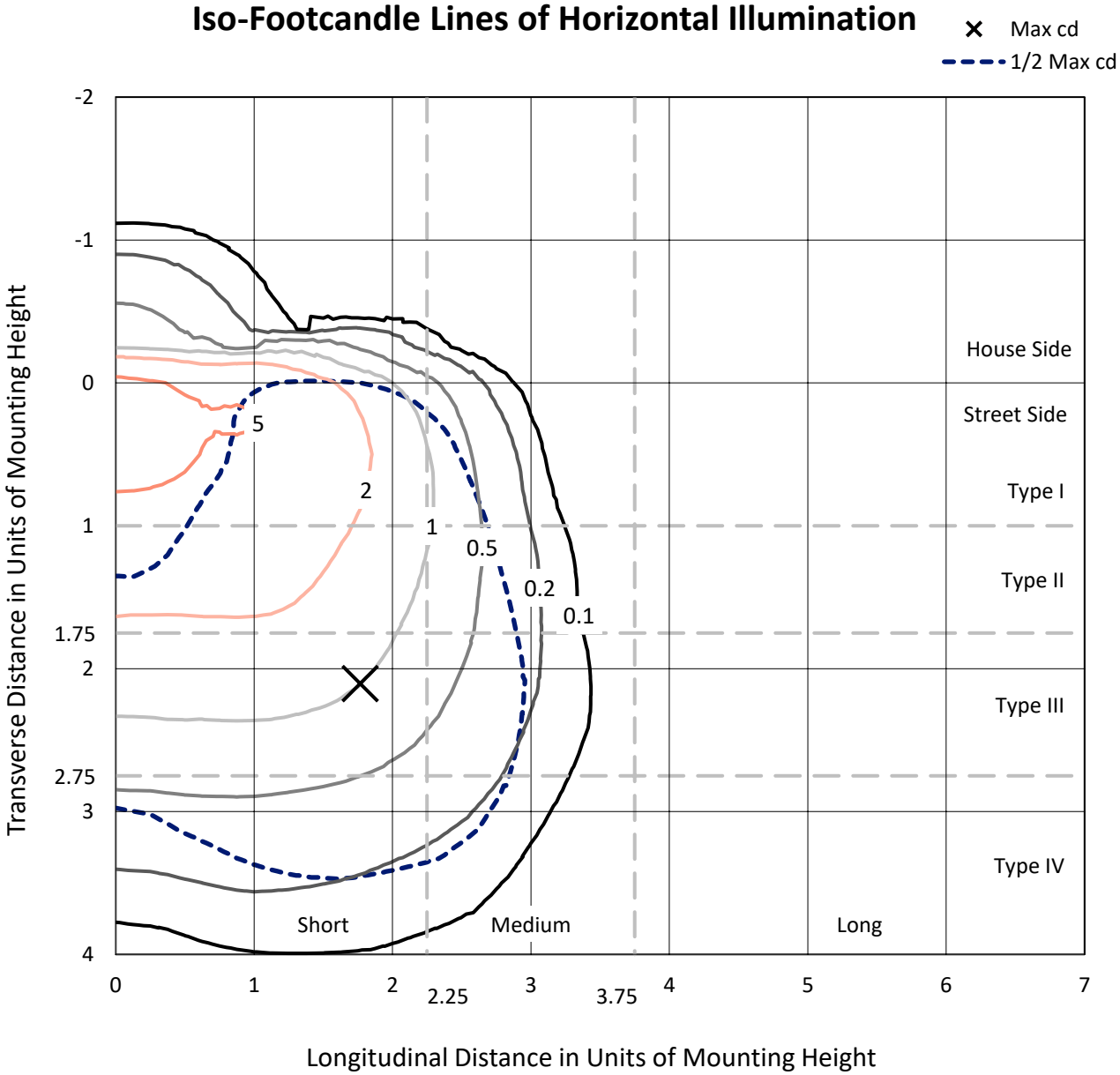
REPORT NUMBER: P642932
CATALOG NUMBER: GWS-SA6D-830-U-SL4-W-HSS

Iso-Footcandle Lines of Horizontal Illumination



Based on 25 foot mounting height. Maximum calculated value = 6.6 fc
Type IV - Short - N/A

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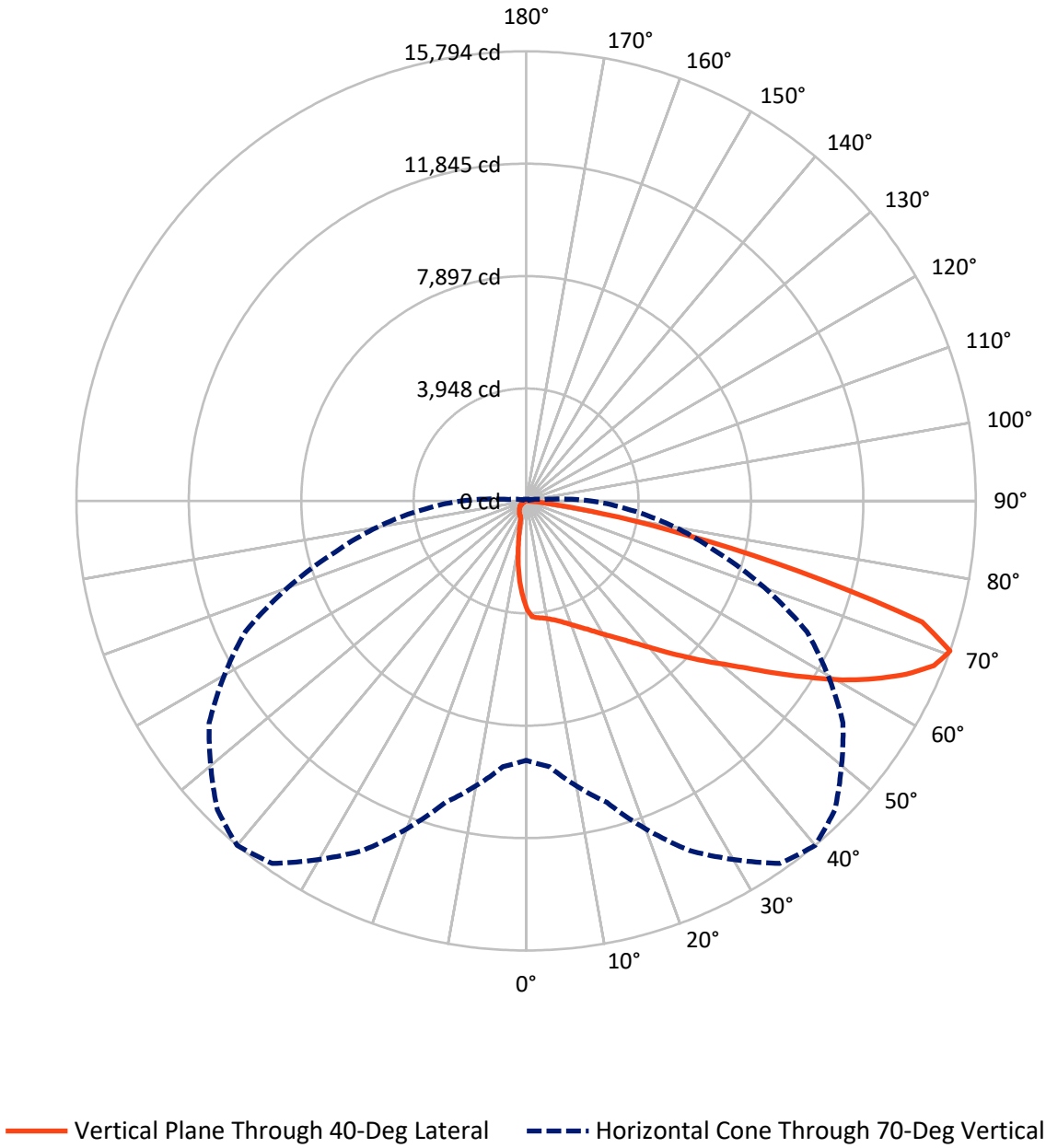
Luminous Intensity Polar Plot



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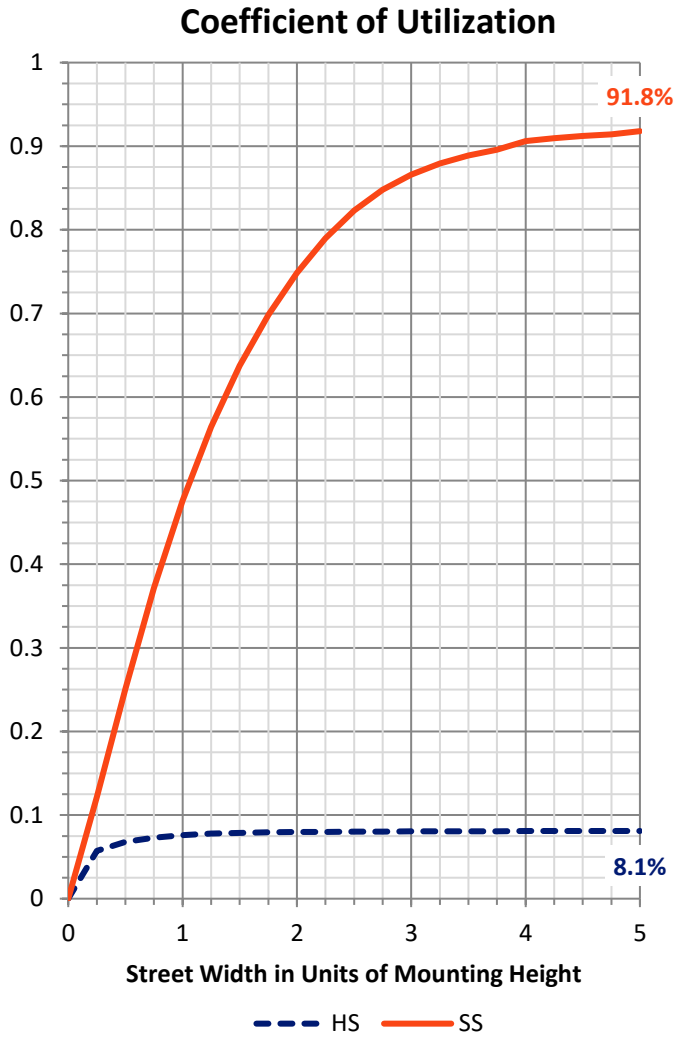
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1833.5	0.0	1833.5
	% Fixture	8.2	0.0	8.2
Street Side	Lumens	20587.6	0.0	20587.6
	% Fixture	91.8	0.0	91.8
Total	Lumens	22421.1	0.0	22421.1
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	321.6	1.4
10°-20°	815.6	3.6
20°-30°	1365.0	6.1
30°-40°	2143.9	9.6
40°-50°	3391.1	15.1
50°-60°	4946.7	22.1
60°-70°	6132.2	27.4
70°-80°	3102.5	13.8
80°-90°	202.5	0.9
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°	22421.1	100.0
0°-180°	22421.1	100.0



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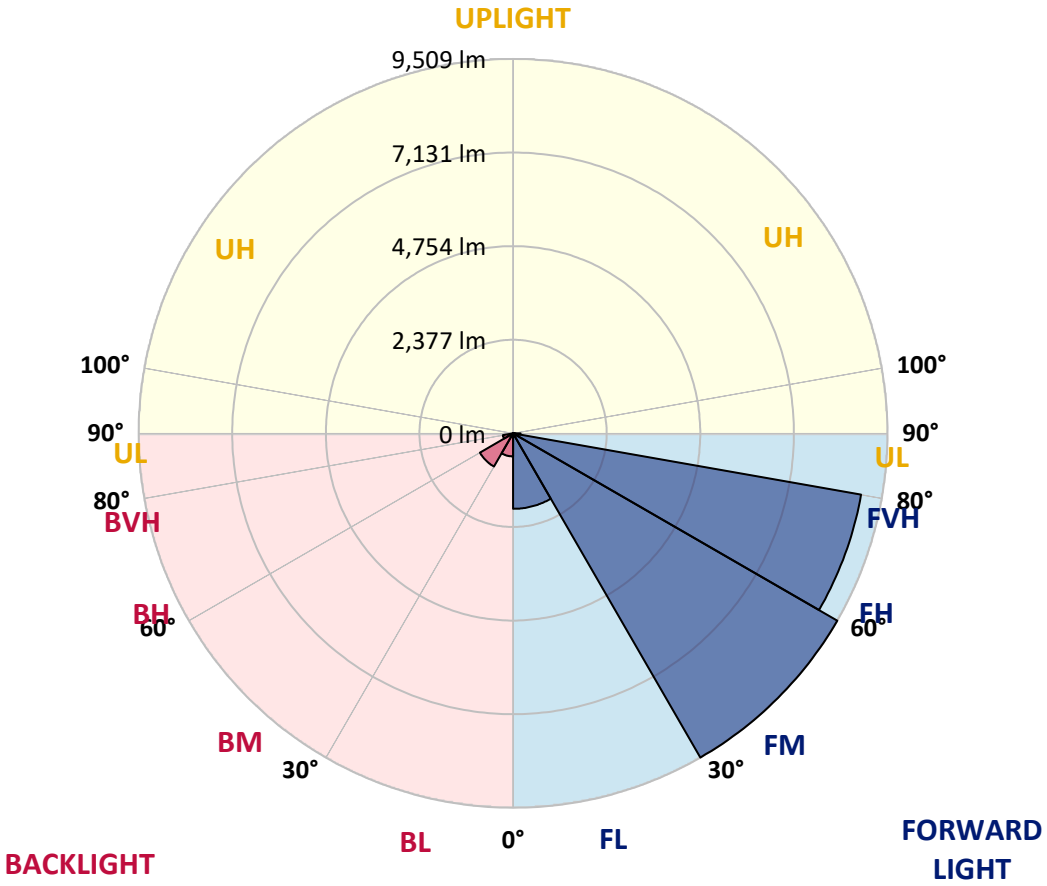
REPORT NUMBER: P642932
CATALOG NUMBER: GWS-SA6D-830-U-SL4-W-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	1916.6	8.5			
FM	(30°-60°)	9508.5	42.4			
FH	(60°-80°)	8973.3	40.0			G4/12000
FVH	(80°-90°)	189.2	0.8			G2/225
BL	(0°-30°)	585.5	2.6	B2/1000		
BM	(30°-60°)	973.2	4.3	B1/1000		
BH	(60°-80°)	261.4	1.2	B1/500		G1/500
BVH	(80°-90°)	13.4	0.1			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G4
Type IV Short



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REPORT NUMBER: P642932
CATALOG NUMBER: GWS-SA6D-830-U-SL4-W-HSS

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	40°	45°	55°	65°	75°	85°
0°	3804.6	3804.6	3804.6	3804.6	3804.6	*3804.6*	3804.6	3804.6	3804.6	3804.6	3804.6
2.5°	4090.2	4104.5	4102.4	4108.6	4094.3	*4071.8*	4067.8	4037.2	3982.1	3912.7	3835.2
5°	4173.8	4190.2	4177.9	4171.8	4145.3	*4120.8*	4114.7	4082.0	4018.8	3925.0	3790.3
7.5°	4245.2	4249.3	4241.2	4226.9	4188.1	*4155.5*	4133.0	4088.2	4012.7	3918.8	3763.8
10°	4257.5	4255.4	4259.5	4261.6	4237.1	*4208.5*	4190.2	4129.0	4033.1	3933.1	3765.8
12.5°	4243.2	4243.2	4269.7	4300.3	4300.3	*4286.0*	4267.7	4212.6	4100.4	3982.1	3806.6
15°	4261.6	4267.7	4318.7	4375.8	4394.2	*4379.9*	4371.7	4314.6	4198.3	4067.8	3880.1
17.5°	4326.8	4333.0	4414.6	4500.2	4522.7	*4506.4*	4490.0	4432.9	4308.5	4165.7	3963.7
20°	4422.7	4439.0	4543.1	4653.2	4673.6	*4653.2*	4620.6	4541.0	4416.6	4271.8	4043.3
22.5°	4598.2	4608.4	4720.5	4836.8	4847.0	*4814.4*	4765.4	4655.3	4524.7	4384.0	4133.0
25°	4830.7	4845.0	4957.2	5069.4	5042.9	*4993.9*	4926.6	4802.1	4653.2	4516.6	4247.3
27.5°	5108.1	5124.5	5234.6	5332.5	5263.2	*5206.1*	5130.6	4975.5	4824.6	4700.1	4394.2
30°	5408.0	5422.3	5520.2	5607.9	5516.1	*5448.8*	5359.1	5199.9	5046.9	4953.1	4602.2
32.5°	5697.7	5695.7	5789.5	5860.9	5767.1	*5714.0*	5632.4	5471.3	5348.9	5308.1	4912.3
35°	5967.0	5967.0	6044.5	6115.9	6048.6	*6020.0*	5944.5	5816.0	5746.7	5795.6	5326.4
37.5°	6238.3	6224.0	6297.5	6377.0	6370.9	*6372.9*	6330.1	6268.9	6273.0	6446.4	5895.6
40°	6462.7	6456.6	6542.3	6646.3	6727.9	*6793.2*	6766.7	6789.1	6917.6	7242.0	6623.9
42.5°	6642.2	6656.5	6766.7	6931.9	7137.9	*7270.5*	7288.9	7380.7	7711.2	8213.0	7446.0
45°	6848.3	6850.3	7003.3	7256.3	7584.7	*7794.8*	7868.3	8104.9	8574.1	9220.8	8347.7
47.5°	7101.2	7076.7	7248.1	7603.1	8078.4	*8388.5*	8519.0	8814.8	9541.1	10204.1	9082.1
50°	7380.7	7335.8	7529.6	8013.1	8631.2	*9018.8*	9284.0	9716.5	10499.9	11011.9	9628.8
52.5°	7705.1	7662.2	7882.5	8484.3	9294.2	*9765.5*	10106.1	10542.7	11322.0	11628.0	9955.2
55°	8117.1	8074.3	8306.9	9049.4	10077.6	*10689.6*	11046.6	11413.8	12087.0	12082.9	10191.8
57.5°	8574.1	8514.9	8837.3	9763.4	11054.7	*11691.2*	12054.3	12233.9	12668.4	12435.8	10350.9
60°	9098.4	9045.3	9492.1	10614.1	12182.9	*12772.4*	13000.9	12927.5	13145.7	12643.9	10295.9
62.5°	9571.7	9547.2	10102.1	11515.8	13257.9	*13755.7*	13818.9	13498.7	13496.6	12648.0	9924.6
65°	10063.3	10110.2	10934.4	12554.1	14339.1	*14673.7*	14565.6	14065.8	13637.4	12148.2	8827.1
67.5°	10246.9	10383.6	11483.1	13492.5	15191.8	*15453.0*	15263.2	14349.3	13051.9	10467.2	6721.8
70°	*9112.7*	*9369.7*	*10965.0*	*13545.6*	*15544.8*	*15793.6*	*15338.7*	*13586.4*	*10881.3*	*6933.9*	*3682.2*
72.5°	6929.9	7229.7	9137.1	11091.5	13980.1	*14547.2*	13770.0	11069.0	7013.5	3037.6	1236.2
75°	3878.0	4202.4	6805.4	8351.7	9386.0	*9904.2*	9618.6	7101.2	3106.9	793.6	369.2
77.5°	1311.7	1419.8	3166.1	5167.3	6195.5	*5730.3*	4851.1	3527.2	1142.4	301.9	195.8
80°	777.2	818.0	1179.1	2572.4	3259.9	*2703.0*	2133.8	1303.6	581.4	161.2	136.7
82.5°	232.6	275.4	650.8	954.7	1277.0	*795.6*	673.2	744.6	301.9	87.7	114.2
85°	0.0	0.0	138.7	295.8	334.6	*130.6*	130.6	422.3	55.1	36.7	83.6
87.5°	0.0	0.0	0.0	0.0	0.0	*0.0*	2.0	10.2	6.1	8.2	18.4
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: P642932
CATALOG NUMBER: GWS-SA6D-830-U-SL4-W-HSS

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	3804.6	3804.6	3804.6	3804.6	3804.6	3804.6	3804.6	3804.6	3804.6	3804.6	3804.6
2.5°	3780.1	3708.7	3625.1	3545.5	3470.0	3372.1	3325.2	3268.1	3219.1	3192.6	3206.9
5°	3704.6	3592.4	3421.1	3247.7	3072.2	2907.0	2758.1	2658.1	2568.4	2521.4	2531.6
7.5°	3639.4	3488.4	3221.2	2937.6	2656.1	2372.5	2142.0	1962.5	1823.8	1766.6	1756.4
10°	3610.8	3421.1	3043.7	2635.7	2203.2	1821.7	1495.3	1297.4	1156.7	1087.3	1099.6
12.5°	3625.1	3386.4	2892.7	2339.9	1778.9	1334.2	1022.0	836.4	736.4	695.6	685.4
15°	3665.9	3378.2	2758.1	2038.0	1372.9	932.3	705.8	630.4	610.0	605.9	605.9
17.5°	3712.8	3380.3	2619.4	1732.0	1042.4	691.6	603.8	589.6	583.4	579.4	581.4
20°	3759.7	3380.3	2460.2	1421.9	783.4	597.7	575.3	565.1	559.0	556.9	556.9
22.5°	3816.8	3380.3	2282.8	1134.2	628.3	567.1	548.8	542.6	536.5	534.5	532.4
25°	3886.2	3382.3	2086.9	887.4	571.2	540.6	526.3	520.2	514.1	510.0	510.0
27.5°	3986.2	3398.6	1870.7	691.6	538.6	516.1	503.9	497.8	491.6	485.5	485.5
30°	4131.0	3439.4	1627.9	571.2	508.0	489.6	477.4	473.3	467.2	461.0	459.0
32.5°	4347.2	3510.8	1377.0	512.0	479.4	461.0	446.8	442.7	436.6	430.4	428.4
35°	4649.2	3641.4	1132.2	475.3	442.7	424.3	416.2	414.1	406.0	399.8	399.8
37.5°	5091.8	3853.6	897.6	438.6	412.1	397.8	387.6	383.5	375.4	369.2	367.2
40°	5632.4	4129.0	697.7	410.0	383.5	369.2	359.0	352.9	342.7	334.6	330.5
42.5°	6321.9	4465.6	550.8	379.4	357.0	342.7	334.6	322.3	308.0	295.8	293.8
45°	7040.0	4812.3	454.9	350.9	332.5	320.3	310.1	293.8	273.4	259.1	255.0
47.5°	7590.8	5028.6	397.8	320.3	306.0	295.8	283.6	263.2	238.7	222.4	218.3
50°	7984.5	5061.2	355.0	291.7	283.6	273.4	255.0	230.5	204.0	187.7	183.6
52.5°	8178.3	4914.3	320.3	265.2	259.1	248.9	226.4	199.9	171.4	155.0	151.0
55°	8266.1	4636.9	287.6	242.8	234.6	222.4	197.9	169.3	140.8	126.5	122.4
57.5°	8231.4	4226.9	259.1	220.3	210.1	195.8	169.3	138.7	116.3	102.0	100.0
60°	7974.3	3651.6	230.5	197.9	185.6	169.3	142.8	114.2	93.8	83.6	81.6
62.5°	7419.5	2937.6	202.0	171.4	163.2	146.9	122.4	93.8	77.5	71.4	69.4
65°	6283.2	2076.7	173.4	144.8	140.8	124.4	102.0	77.5	67.3	63.2	61.2
67.5°	4516.6	1262.8	146.9	124.4	120.4	106.1	85.7	67.3	61.2	59.2	59.2
70°	*2270.5*	*597.7*	*116.3*	*102.0*	*102.0*	*87.7*	*73.4*	*61.2*	*59.2*	*57.1*	*57.1*
72.5°	771.1	255.0	87.7	79.6	83.6	75.5	63.2	57.1	57.1	57.1	57.1
75°	263.2	134.6	61.2	57.1	61.2	61.2	55.1	55.1	57.1	57.1	57.1
77.5°	171.4	89.8	42.8	38.8	46.9	46.9	46.9	51.0	55.1	55.1	55.1
80°	140.8	49.0	28.6	26.5	34.7	34.7	38.8	46.9	51.0	51.0	51.0
82.5°	120.4	30.6	16.3	18.4	24.5	26.5	32.6	38.8	44.9	46.9	46.9
85°	81.6	16.3	12.2	14.3	16.3	20.4	26.5	32.6	36.7	40.8	40.8
87.5°	22.4	6.1	8.2	10.2	10.2	14.3	20.4	24.5	28.6	30.6	30.6
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

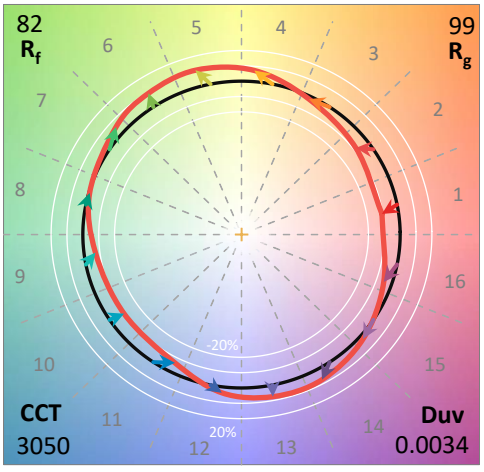
Test Information

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

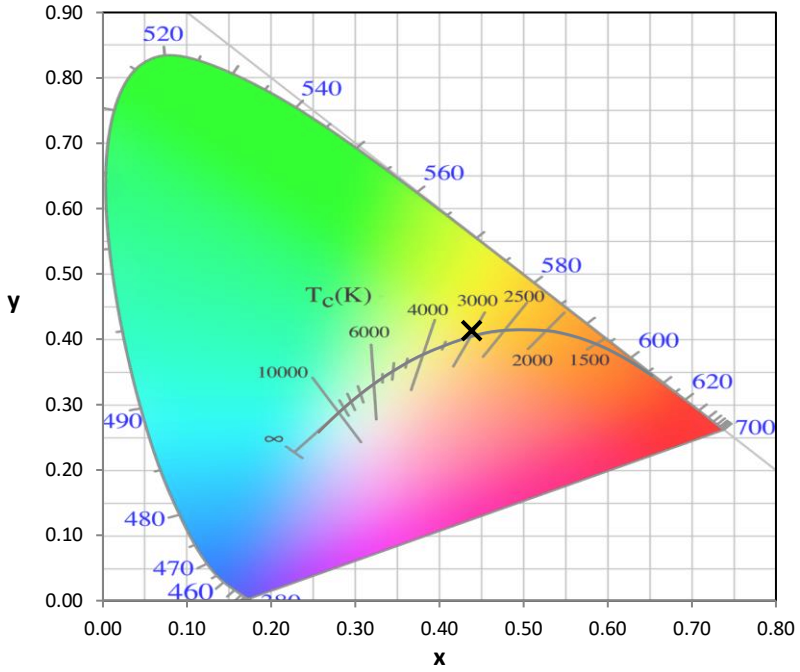
Stabilization Time:	20M
Operation Time:	1H 20M
Sphere Temperature (°C):	24.2

REPORT NUMBER: SP1-2408-195-9

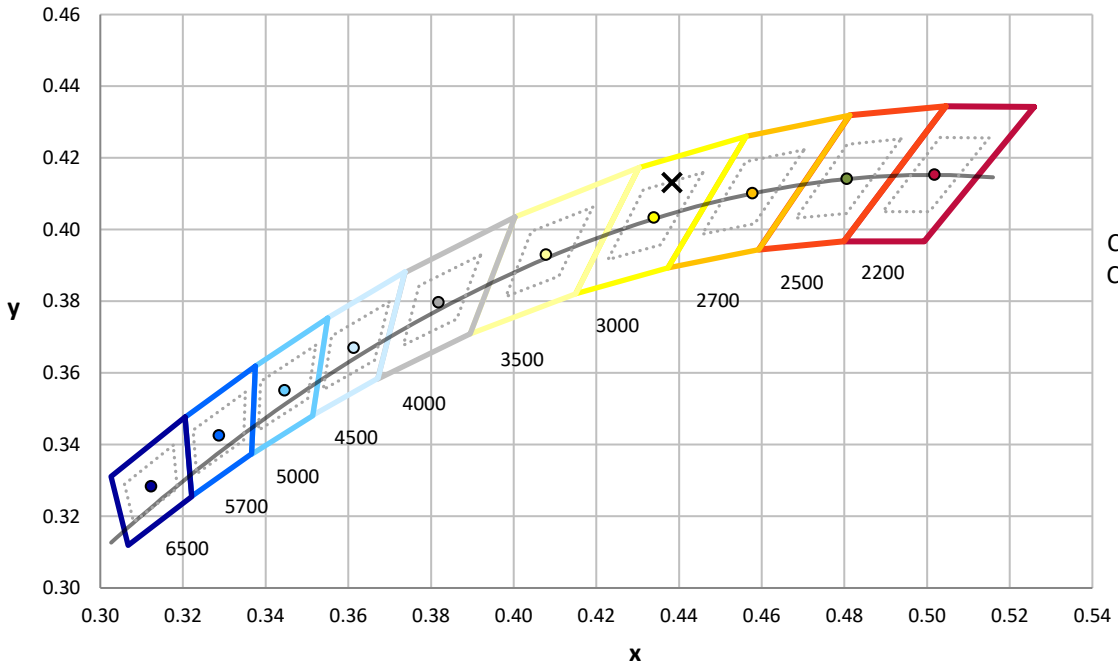
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

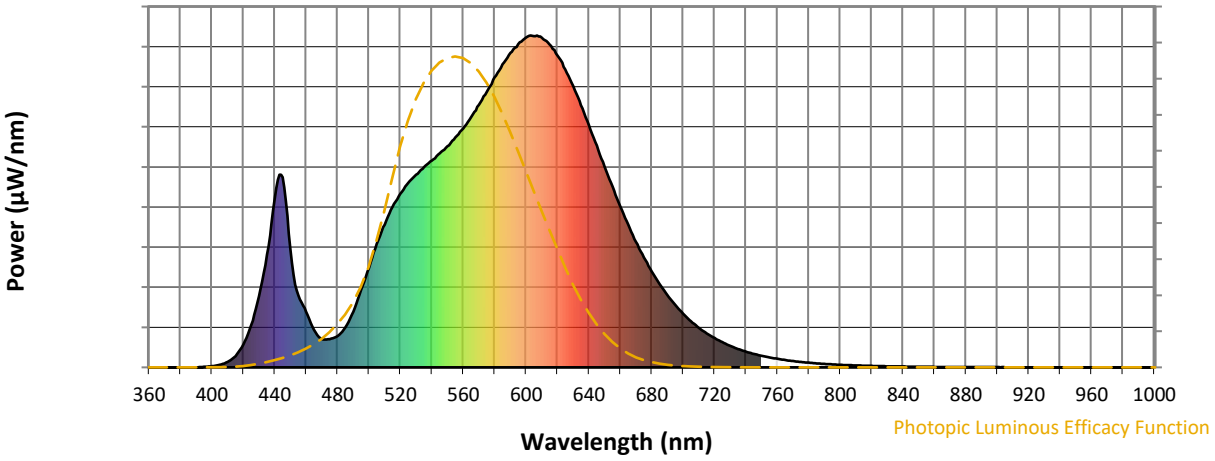


CCT = 3050K
CIE x = 0.4383
CIE y = 0.4131
Duv = 0.0034

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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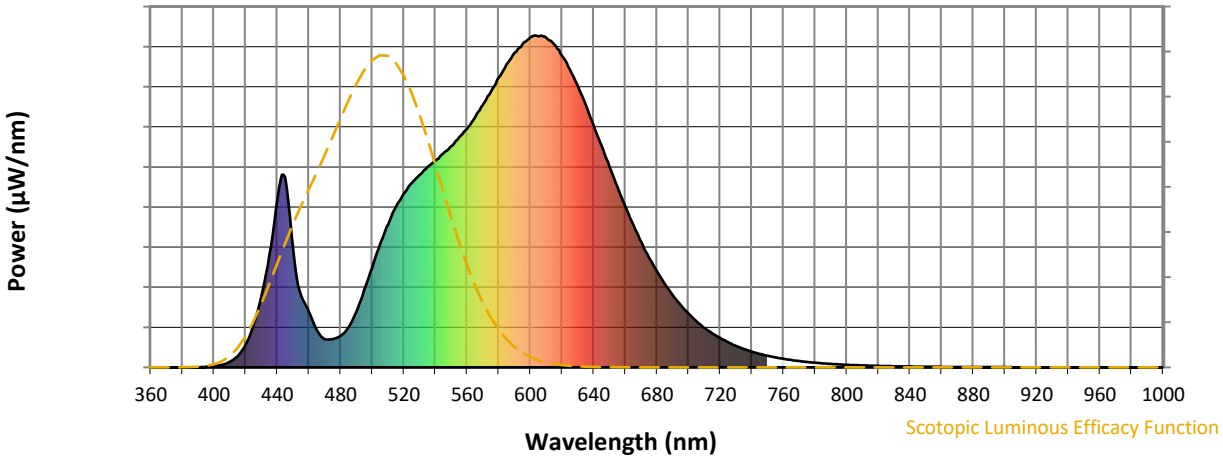
Scotopic Flux vs. Wavelength



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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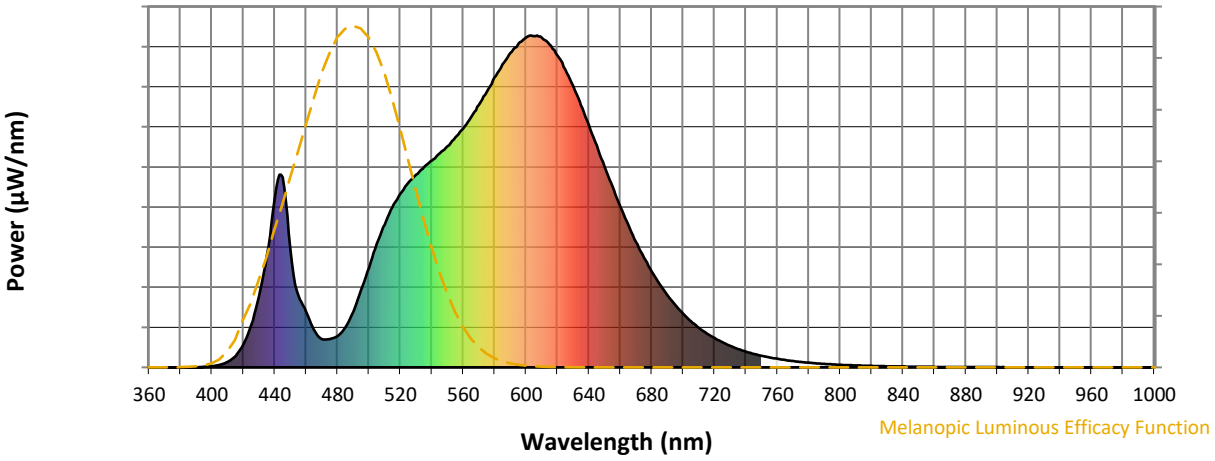
Melanopic Flux vs. Wavelength



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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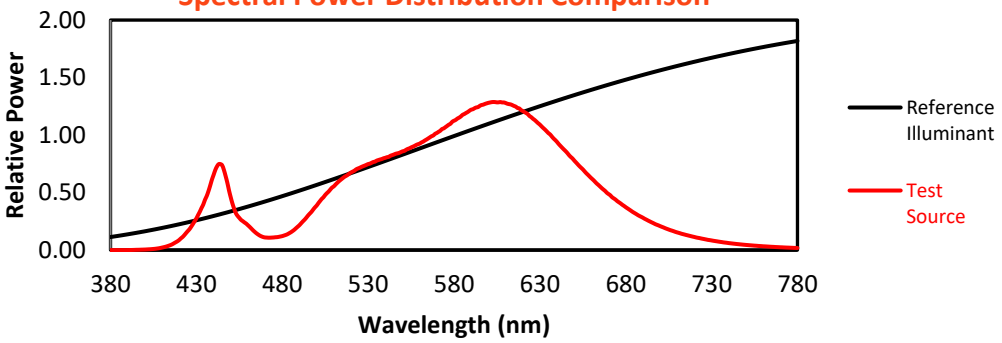
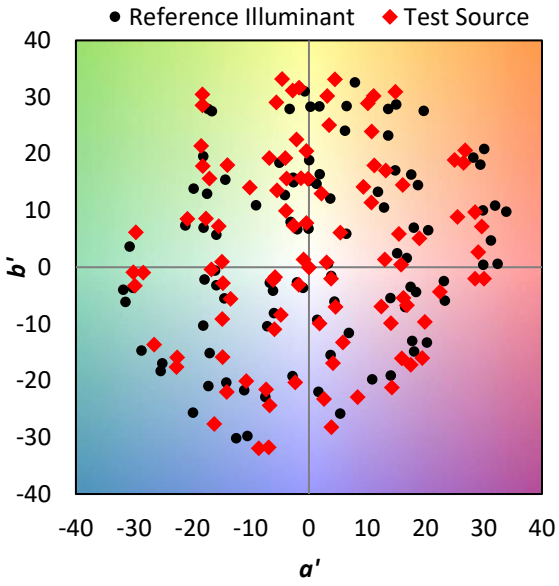
Summary

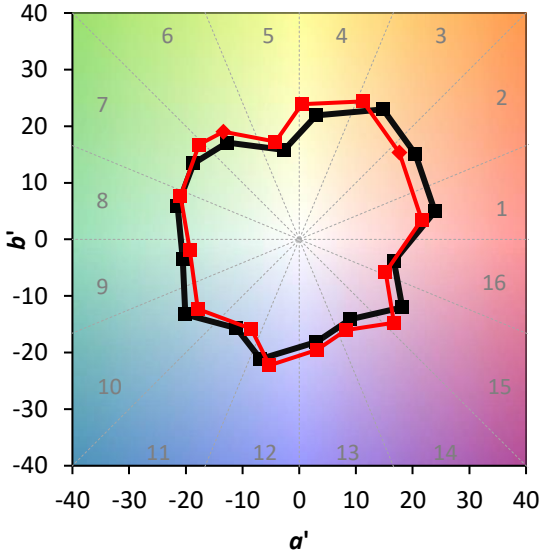
R_f = 81.5
R_g = 99.2
CIE R_a = 81.0
R_9 = 7.1

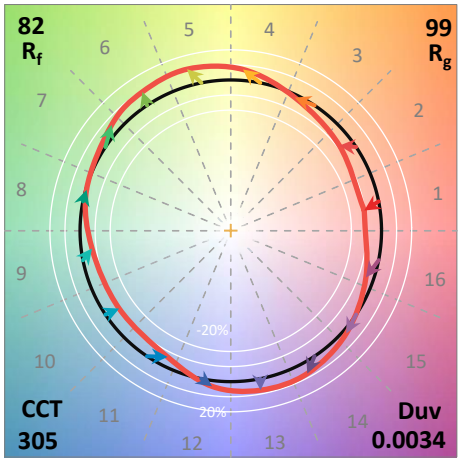
Spectral Power Distribution Comparison

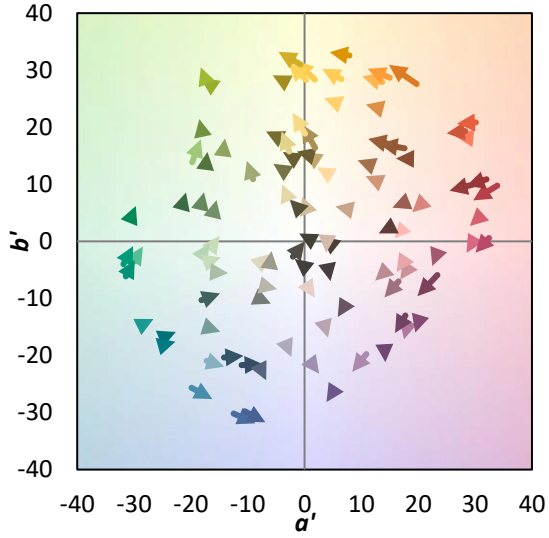


Color Vector Graphics









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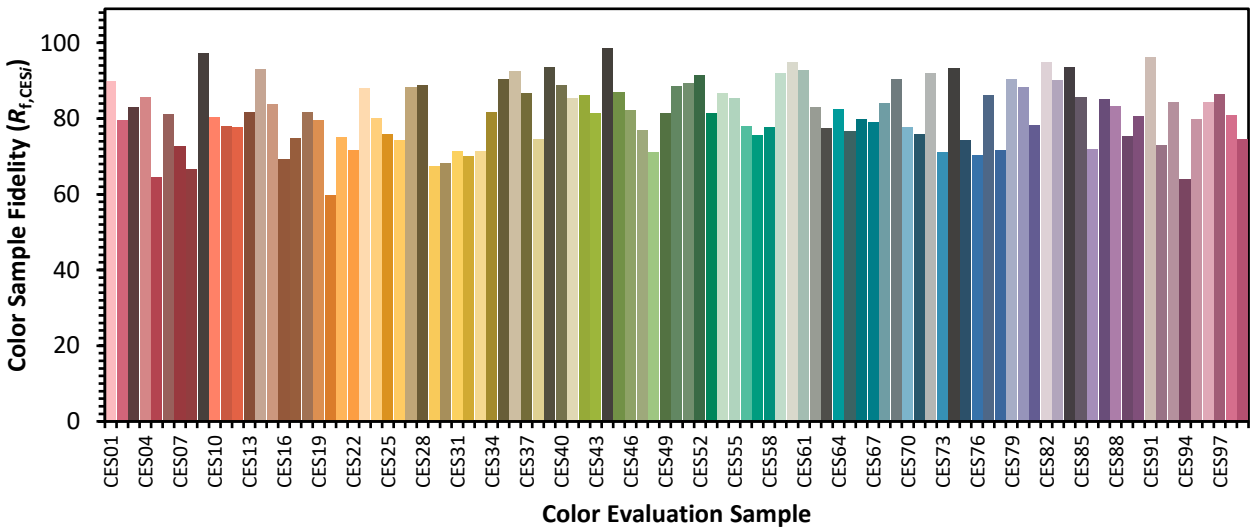
Individual Sample Fidelity Index ($R_{f,i}$)

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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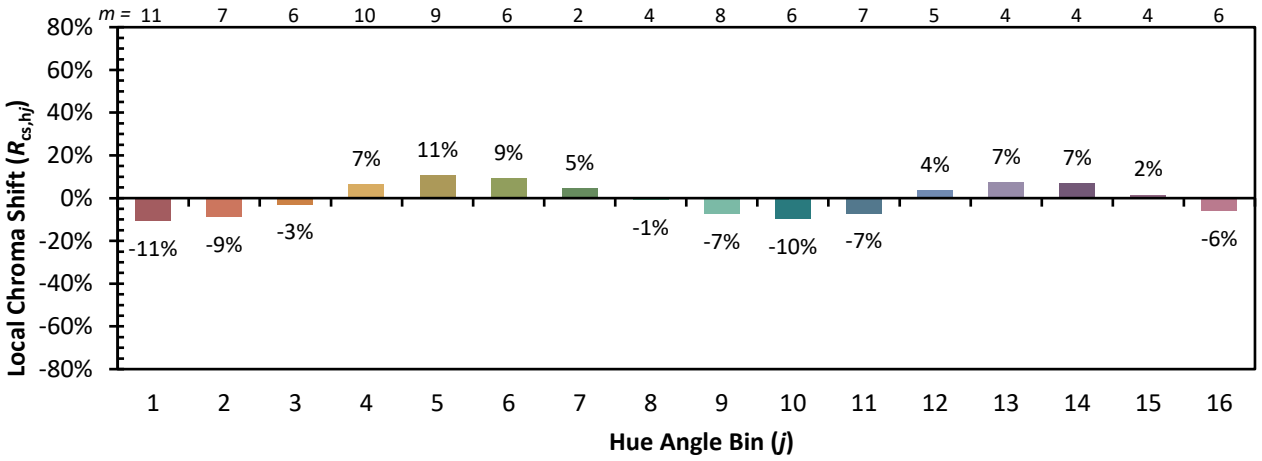
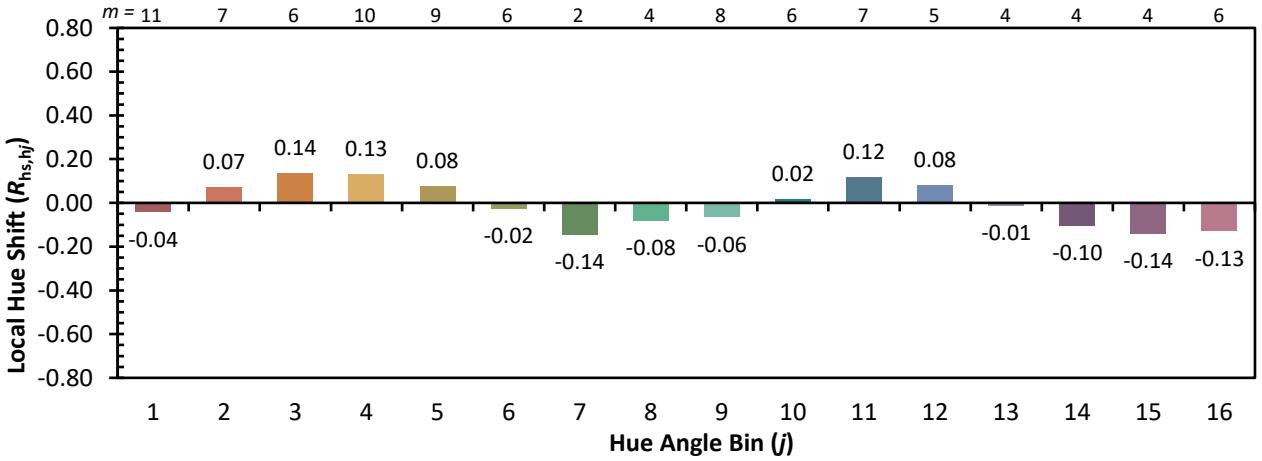
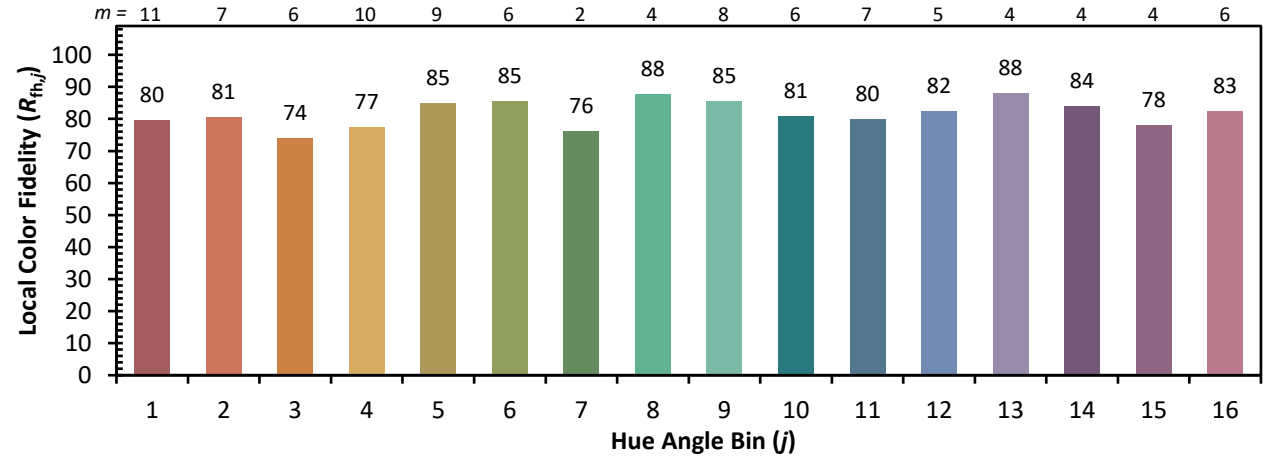
Color Rendition by Hue-Angle Bin







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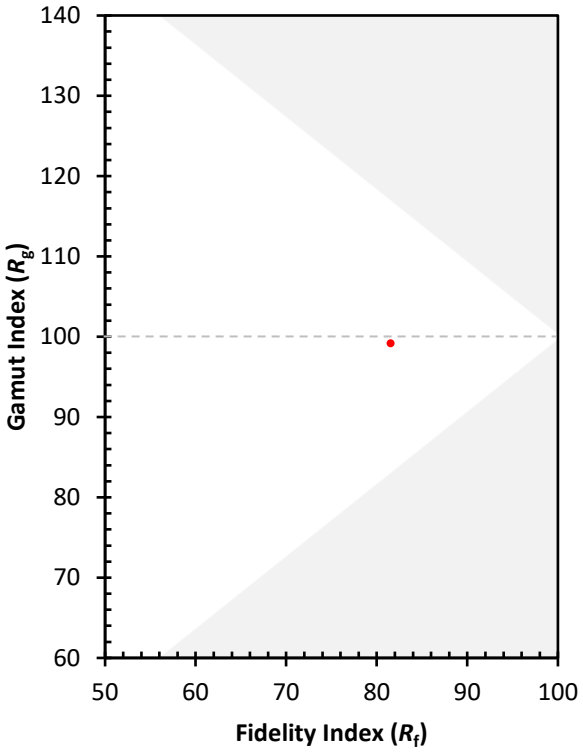
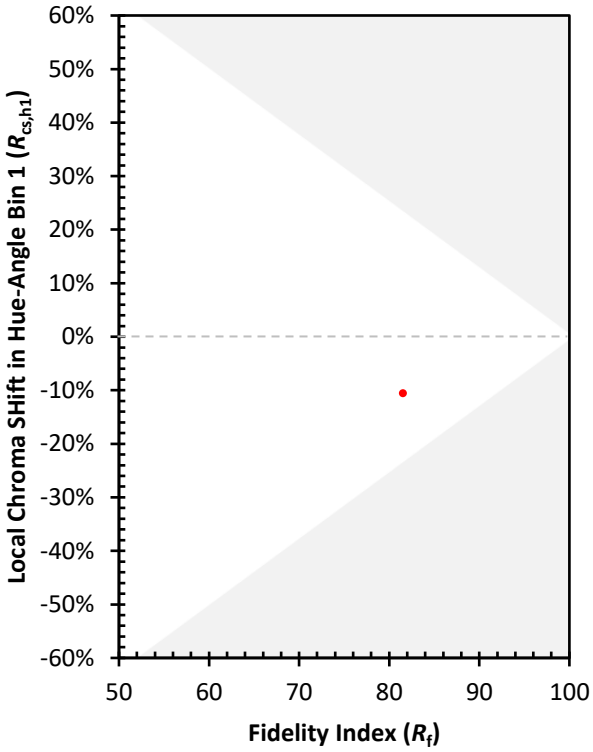
Measure Comparisons





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