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

Scaled data based on original data using

LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-State Lighting Products

Test Report Prepared for

Cooper Lighting Solutions

(formerly Eaton)

Brand: McGRAW-EDISON

Report Number: P323990

Luminaire Tested: **GLEON-SA6A-830-U-SL4-HSS**

Issue Date: 3/3/2020

Report Generated By E0585644

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

Scaled Data Report

Test Information

Test Method:	LM-79-08
Report Number:	P323990
	TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-25)
Test Lab:	INNOVATION CENTER
Issue Date:	3/3/2020
Manufacturer:	COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line:	McGRAW-EDISON
Catalog Number:	GLEON-SA6A-830-U-SL4-HSS
Description:	GALLEON AREA AND ROADWAY LUMINAIRE
	(6) 80 CRI, 3000K, 615mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE IV SPILL LIGHT ELIMINATOR OPTICS WITH HOUSE SIDE SHIELD
Light Source:	-
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	17976 lumens
Efficiency:	N/A
Efficacy:	93.1 lumens/watt
Luminous Opening:	Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification:	Type IV - Short
BUG Rating:	B2 - U0 - G4

Input Watts (W):	193
Input Voltage (V):	NR
Input Current (Ain):	NR
Voltage Rise (V):	NR
Power Factor:	NR
Total Harmonic Distortion (THDi):	NR
Frequency (hertz):	60
Stabilization Time:	NR
Operation Time:	NR
Ambient Temperature (°C):	NR
Test Distance:	24 FT

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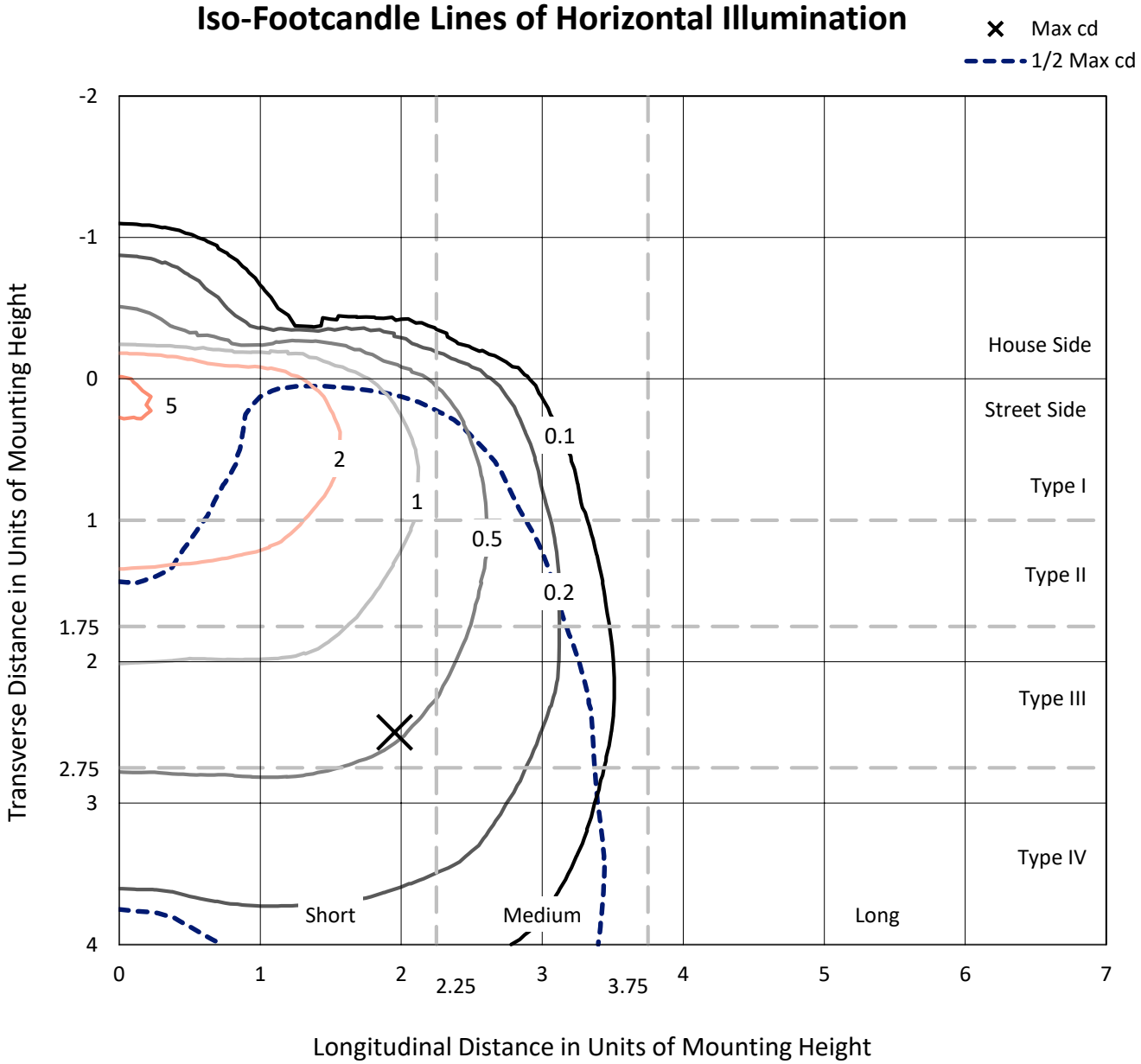
Scaled Data Report

REPORT NUMBER: P323990
CATALOG NUMBER: GLEON-SA6A-830-U-SL4-HSS

Iso-Footcandle Lines of Horizontal Illumination



Based on 25 foot mounting height. Maximum calculated value = 5.6 fc
Type IV - Short - N/A

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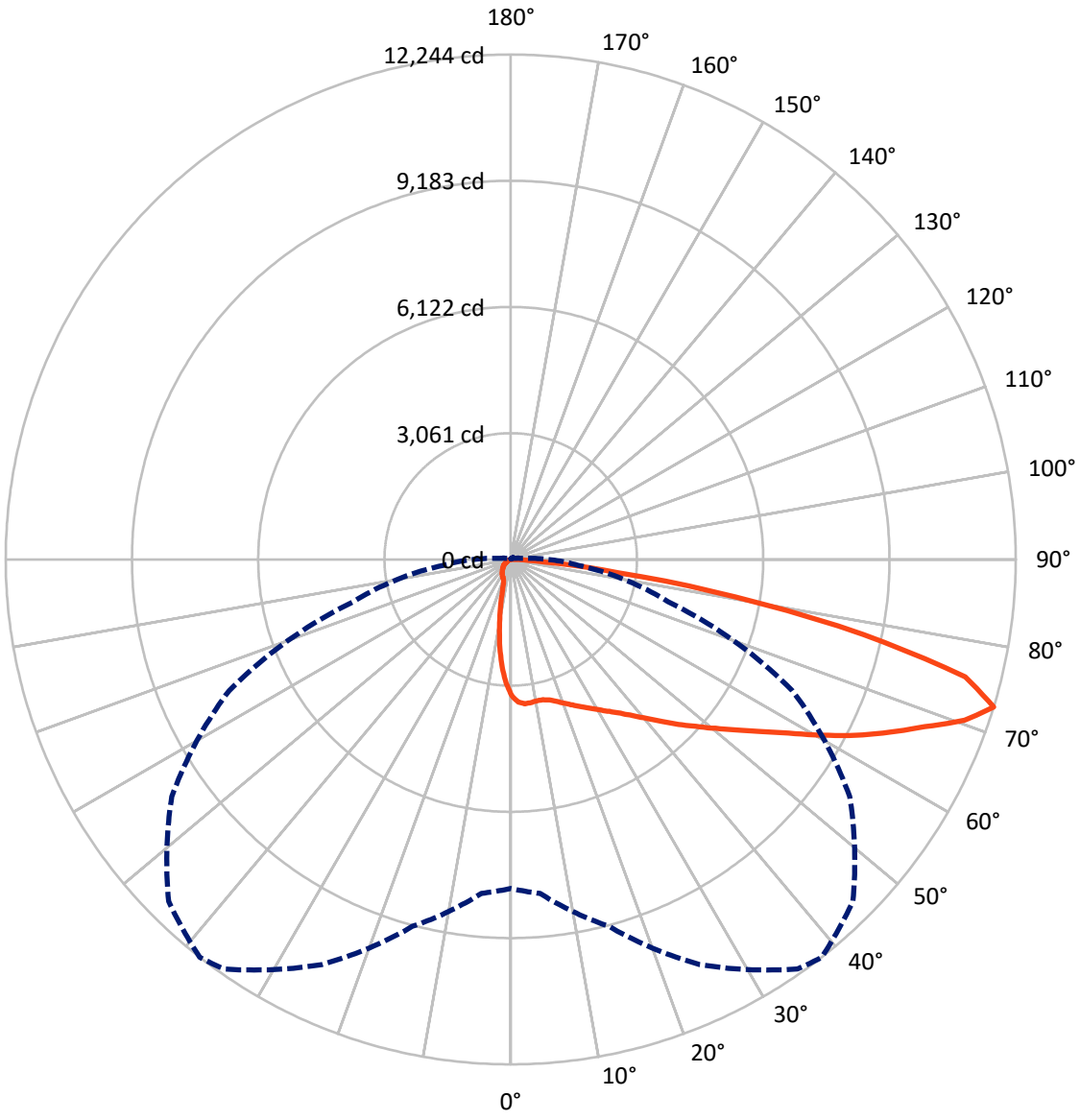
Luminous Intensity Polar Plot



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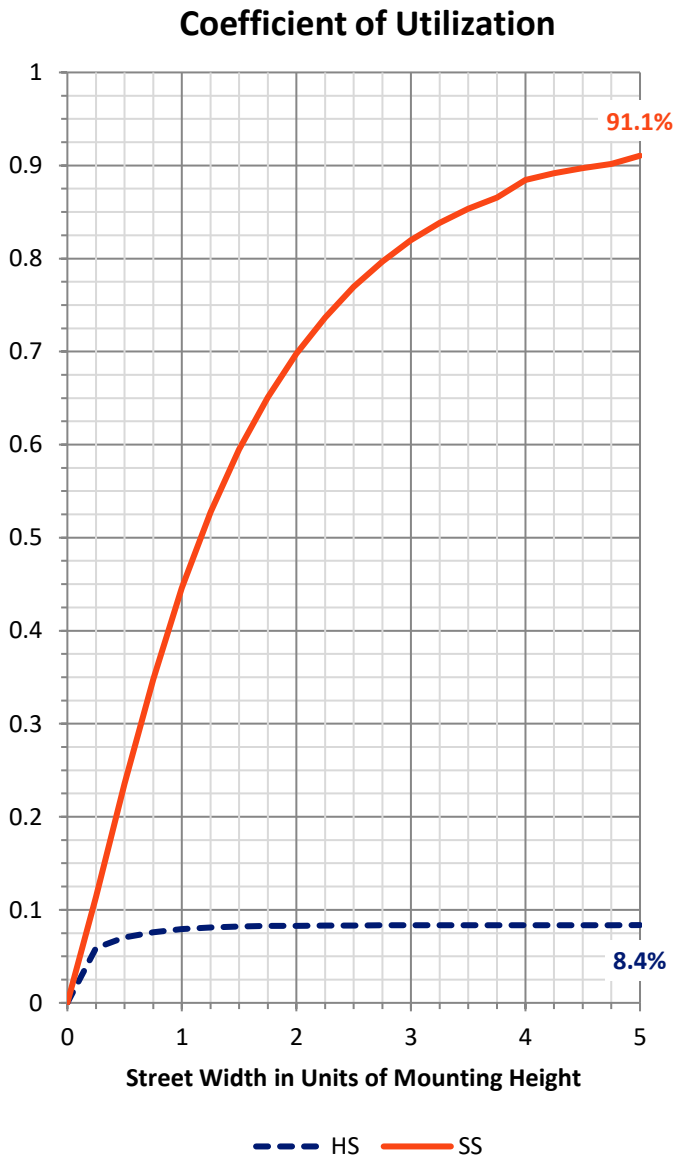
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1512.8	0.0	1512.8
	% Fixture	8.4	0.0	8.4
Street Side	Lumens	16463.3	0.0	16463.3
	% Fixture	91.6	0.0	91.6
Total	Lumens	17976.0	0.0	17976.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	281.7	1.6
10°-20°	688.8	3.8
20°-30°	1095.6	6.1
30°-40°	1647.1	9.2
40°-50°	2512.8	14.0
50°-60°	3551.4	19.8
60°-70°	4454.7	24.8
70°-80°	3330.8	18.5
80°-90°	413.0	2.3
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°	17976.0	100.0
0°-180°	17976.0	100.0



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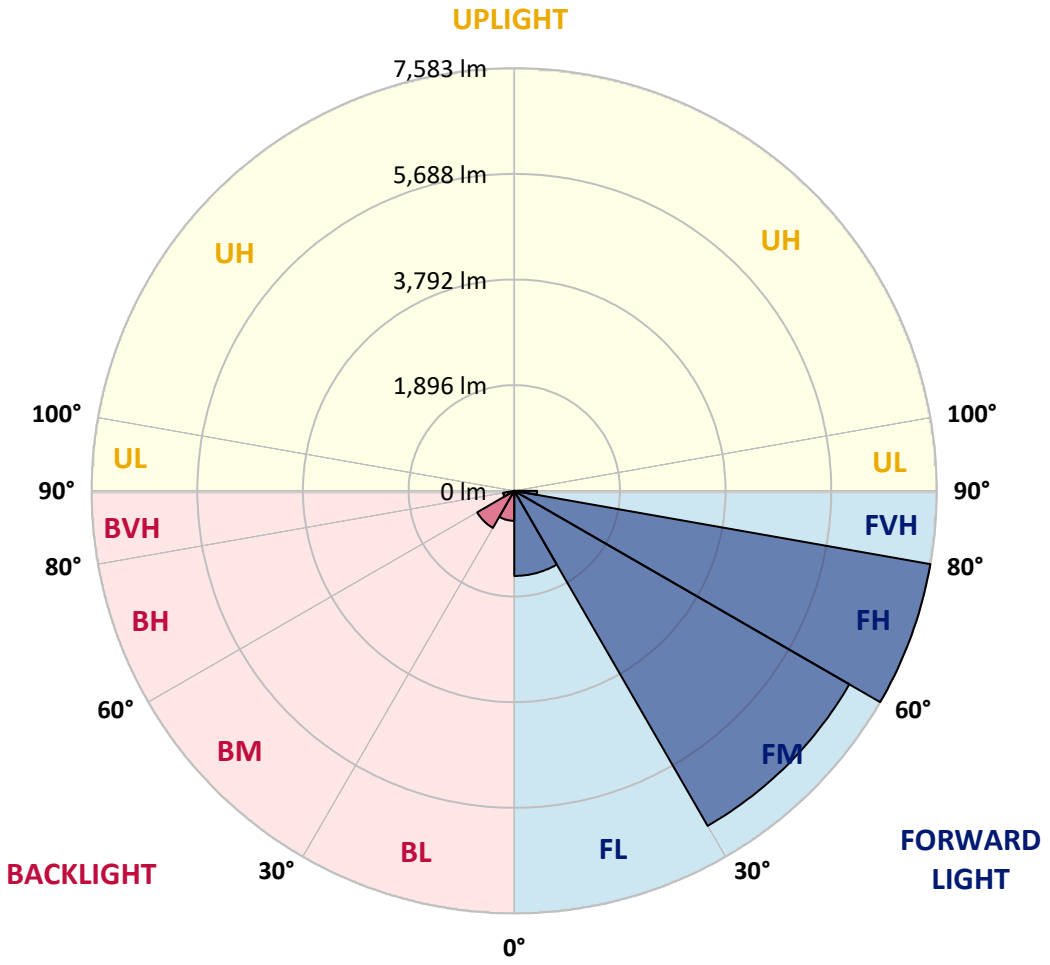
REPORT NUMBER: P323990
CATALOG NUMBER: GLEON-SA6A-830-U-SL4-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	1527.5	8.5			
FM	(30°-60°)	6943.1	38.6			
FH	(60°-80°)	7583.4	42.2			G4/12000
FVH	(80°-90°)	409.2	2.3			G3/500
BL	(0°-30°)	538.6	3.0	B2/1000		
BM	(30°-60°)	768.2	4.3	B1/1000		
BH	(60°-80°)	202.1	1.1	B1/500		G1/500
BVH	(80°-90°)	3.9	0.0			G0/10
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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Scaled Data Report

REPORT NUMBER: P323990
CATALOG NUMBER: GLEON-SA6A-830-U-SL4-HSS

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	38°	45°	55°	65°	75°	85°
0°	3305.7	3305.7	3305.7	3305.7	3305.7	3305.7	3305.7	3305.7	3305.7	3305.7	3305.7
2.5°	3508.8	3509.5	3501.3	3487.9	3470.7	3461.8	3446.8	3422.9	3397.6	3352.0	3302.7
5°	3580.5	3580.5	3570.0	3552.1	3524.5	3516.3	3487.9	3449.8	3397.6	3323.6	3240.8
7.5°	3573.0	3574.5	3560.3	3541.6	3514.0	3506.5	3472.2	3429.7	3364.7	3275.1	3169.1
10°	3534.2	3537.9	3526.7	3517.7	3492.4	3484.2	3452.1	3409.5	3344.5	3249.0	3127.3
12.5°	3494.6	3498.3	3502.1	3510.3	3494.6	3491.6	3466.2	3430.4	3368.4	3269.1	3131.8
15°	3469.2	3476.7	3503.6	3535.7	3539.4	3536.4	3520.0	3486.4	3423.7	3320.7	3163.9
17.5°	3469.2	3481.2	3537.2	3598.4	3620.0	3622.3	3608.1	3561.0	3486.4	3375.9	3193.7
20°	3498.3	3514.8	3602.1	3688.7	3724.5	3724.5	3696.9	3631.2	3543.9	3425.9	3213.9
22.5°	3573.0	3594.6	3704.4	3804.4	3842.5	3834.3	3797.0	3701.4	3603.6	3482.7	3239.3
25°	3720.1	3736.5	3850.7	3951.5	3974.6	3956.0	3908.9	3786.5	3679.7	3559.6	3285.6
27.5°	3909.7	3911.9	4029.9	4115.0	4100.8	4088.1	4029.1	3893.3	3789.5	3669.3	3365.5
30°	4118.0	4118.0	4221.7	4286.7	4243.4	4232.9	4174.0	4022.4	3929.8	3818.6	3478.9
32.5°	4319.5	4328.5	4412.9	4453.9	4405.4	4394.9	4337.5	4185.9	4116.5	4046.3	3655.9
35°	4514.4	4521.1	4601.0	4623.4	4577.1	4580.1	4539.0	4410.6	4384.5	4375.5	3922.4
37.5°	4703.3	4704.8	4786.1	4800.3	4777.2	4802.6	4806.3	4692.8	4741.3	4813.8	4297.9
40°	4875.7	4877.2	4957.8	4994.4	5034.0	5066.8	5096.0	5035.5	5196.0	5364.0	4745.1
42.5°	5013.8	5029.5	5131.8	5201.2	5305.7	5368.4	5447.6	5444.6	5737.2	5989.6	5285.6
45°	5135.5	5162.4	5305.0	5426.7	5605.9	5705.9	5829.8	5926.9	6346.4	6686.1	5832.8
47.5°	5296.0	5321.4	5484.2	5683.5	5922.4	6053.8	6259.1	6468.9	7016.1	7369.9	6367.3
50°	5522.2	5511.0	5671.5	5957.5	6264.3	6436.8	6729.4	7043.7	7680.5	7965.7	6681.6
52.5°	5763.4	5758.9	5877.6	6255.3	6667.4	6869.0	7255.7	7638.0	8315.8	8376.3	6825.7
55°	6062.0	6029.9	6129.9	6595.0	7146.0	7362.5	7817.9	8226.2	8822.0	8607.7	6898.1
57.5°	6374.8	6321.8	6417.4	6973.5	7685.7	7941.8	8440.5	8799.6	9158.7	8766.0	6897.4
60°	6698.1	6635.3	6748.8	7446.8	8356.1	8652.5	9115.4	9187.1	9473.0	8845.9	6846.6
62.5°	6968.3	6931.0	7099.7	7953.0	9104.9	9396.1	9625.3	9539.4	9738.0	8907.8	6727.9
65°	7254.2	7256.5	7529.0	8543.5	9900.8	10097.1	10116.5	9996.3	9959.7	8895.2	6326.3
67.5°	7640.9	7676.8	8131.4	9345.3	10674.9	10826.5	10825.0	10491.3	10121.7	8390.5	5435.6
70°	8050.1	8134.4	8825.7	10262.8	11520.0	11673.8	11594.7	10806.3	9530.5	6784.7	3847.0
72.5°	7981.4	8127.7	9211.7	10841.4	12127.0	12244.2	11729.8	10032.2	7532.7	3943.3	1637.9
75°	6157.6	6327.0	8446.5	10268.1	11490.2	11384.9	10078.4	7806.7	4116.5	1100.4	368.8
77.5°	3252.7	3343.1	5579.7	7822.4	8959.4	8739.1	7099.7	4330.7	1255.0	272.5	165.7
80°	1703.6	1724.5	2431.5	4438.2	5529.7	5531.2	4207.6	1902.2	517.4	139.6	111.2
82.5°	912.3	930.2	1284.8	2050.8	2897.4	2626.4	1611.1	1046.7	300.9	79.1	106.8
85°	219.5	223.2	728.6	936.9	1139.2	813.7	478.5	878.7	81.4	46.3	86.6
87.5°	84.4	85.9	270.3	405.4	290.4	188.1	224.0	327.7	10.5	17.9	13.4
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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CATALOG NUMBER: GLEON-SA6A-830-U-SL4-HSS

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	3305.7	3305.7	3305.7	3305.7	3305.7	3305.7	3305.7	3305.7	3305.7	3305.7	3305.7
2.5°	3272.9	3253.5	3205.7	3145.2	3091.5	3052.6	2994.4	2956.3	2931.0	2930.2	2920.5
5°	3190.0	3150.4	3047.4	2925.0	2813.8	2713.7	2595.8	2502.4	2433.0	2421.8	2397.9
7.5°	3101.2	3036.2	2878.0	2686.8	2500.2	2310.6	2090.3	1953.7	1836.5	1780.5	1774.6
10°	3046.7	2955.6	2730.9	2454.7	2162.0	1853.7	1565.5	1366.2	1222.1	1181.0	1150.4
12.5°	3035.5	2915.3	2617.4	2236.7	1818.6	1411.0	1092.2	880.2	765.2	728.6	718.9
15°	3046.7	2896.6	2521.8	2020.9	1470.7	1001.1	733.1	609.9	566.6	556.2	555.4
17.5°	3053.4	2874.2	2413.6	1781.3	1133.3	715.2	561.4	525.6	518.9	518.1	519.6
20°	3052.6	2839.9	2284.4	1514.0	842.9	562.2	507.7	500.2	498.7	499.4	498.7
22.5°	3047.4	2799.6	2142.6	1238.5	636.8	502.4	484.5	480.0	479.3	479.3	479.3
25°	3057.1	2767.5	1986.6	975.0	524.8	474.8	463.6	459.9	459.1	459.1	457.6
27.5°	3092.2	2749.5	1815.6	750.3	474.1	450.2	441.2	440.5	438.2	437.5	439.0
30°	3149.0	2749.5	1628.2	583.8	443.5	424.8	418.1	416.6	415.8	415.1	415.8
32.5°	3249.0	2770.5	1423.7	485.3	414.3	396.4	391.9	394.2	391.9	391.9	391.9
35°	3429.7	2833.2	1209.4	423.3	383.7	368.8	364.3	367.3	365.8	365.8	365.1
37.5°	3693.2	2949.6	993.7	386.0	356.9	341.2	335.2	339.7	338.2	338.2	337.4
40°	4014.2	3119.1	788.4	357.6	330.7	314.3	309.1	311.3	307.6	307.6	309.1
42.5°	4410.6	3334.1	609.2	330.0	304.6	288.9	285.9	283.7	277.0	273.2	274.0
45°	4851.1	3558.1	474.8	303.1	280.0	267.3	262.8	256.8	245.6	238.1	238.9
47.5°	5244.5	3730.5	386.0	277.0	257.6	247.9	241.1	229.9	213.5	204.6	205.3
50°	5451.3	3756.6	328.5	250.8	236.7	227.0	217.2	200.1	180.7	171.0	170.2
52.5°	5504.3	3634.2	285.9	227.0	215.8	204.6	191.9	168.7	147.1	136.6	135.1
55°	5523.7	3447.6	247.9	204.6	193.4	180.7	164.2	138.1	118.0	107.5	106.8
57.5°	5459.5	3169.1	218.0	184.4	171.0	155.3	135.1	110.5	91.1	82.9	82.9
60°	5316.9	2792.1	194.8	162.7	147.8	129.9	109.0	85.9	67.9	61.2	61.2
62.5°	5032.5	2303.9	173.2	140.4	126.2	107.5	88.1	64.9	47.8	44.0	44.8
65°	4495.7	1747.7	151.5	120.2	107.5	88.8	68.7	46.3	32.1	32.1	33.6
67.5°	3666.3	1213.9	129.2	102.3	92.6	72.4	52.3	32.1	22.4	25.4	28.4
70°	2427.0	680.9	110.5	84.4	79.1	57.5	38.8	21.6	17.9	23.9	29.1
72.5°	*916.0*	*265.0*	*92.6*	*67.9*	*68.7*	*44.0*	*27.6*	*16.4*	*16.4*	*26.1*	*34.3*
75°	255.3	129.9	66.4	50.0	53.8	32.1	20.2	14.2	15.7	29.9	40.3
77.5°	150.1	95.6	43.3	29.1	36.6	22.4	13.4	11.2	13.4	25.4	38.8
80°	120.9	50.8	25.4	14.9	20.2	12.7	9.0	6.7	3.7	9.7	20.2
82.5°	120.9	30.6	11.9	10.5	10.5	6.7	4.5	3.0	0.7	0.0	5.2
85°	81.4	12.7	7.5	6.7	5.2	2.2	1.5	0.7	0.0	0.0	0.0
87.5°	13.4	5.2	3.0	1.5	0.7	0.0	0.0	0.0	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

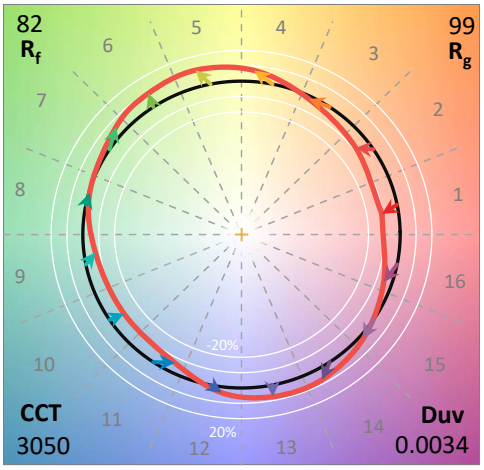
Test Information

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

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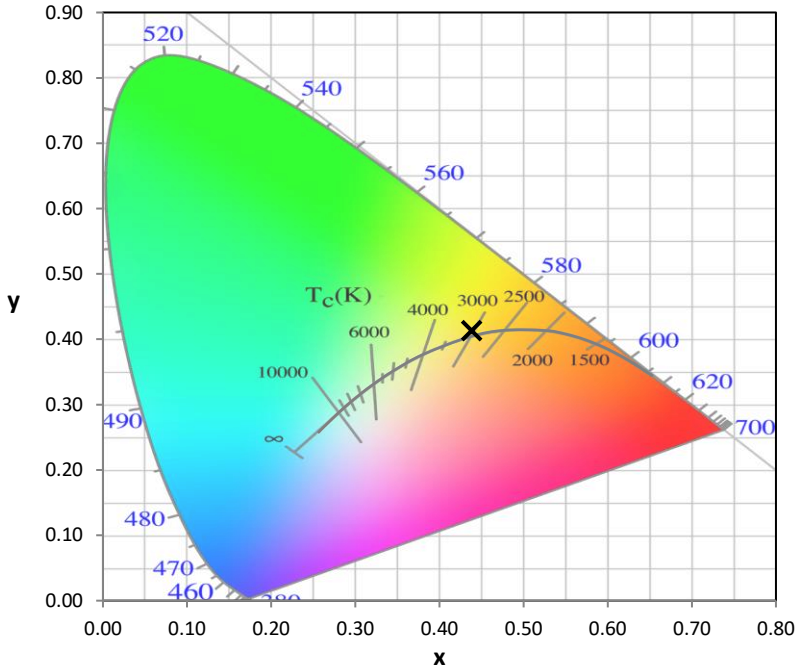
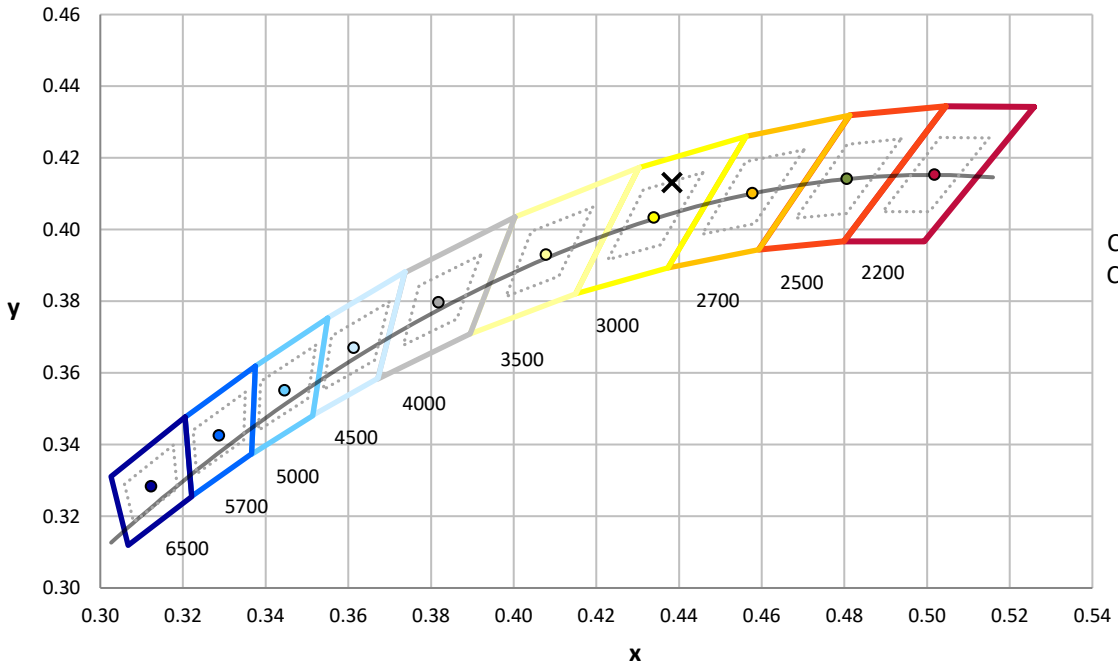
CIE 1931 Chromaticity Diagram



CIE 1931 Chromaticity Diagram with 2017 ANSI 7-Step and 4-Step Quadrangles

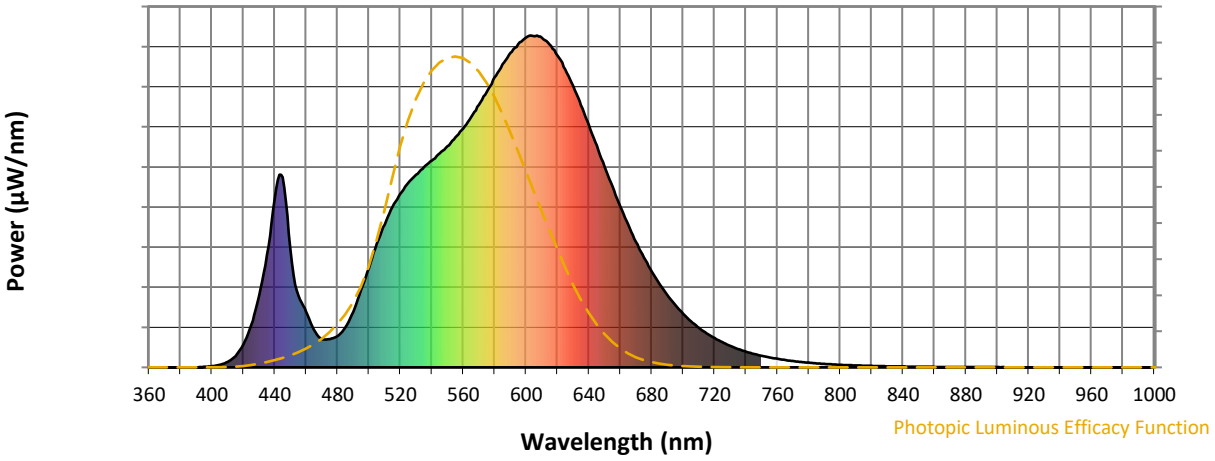


CCT = 3050K
CIE x = 0.4383
CIE y = 0.4131
Duv = 0.0034

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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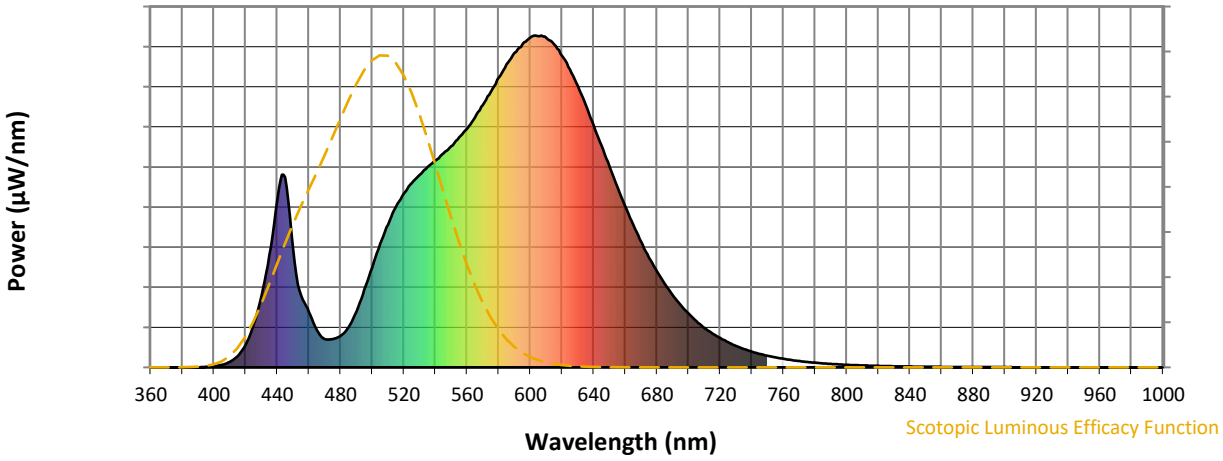
Scotopic Flux vs. Wavelength



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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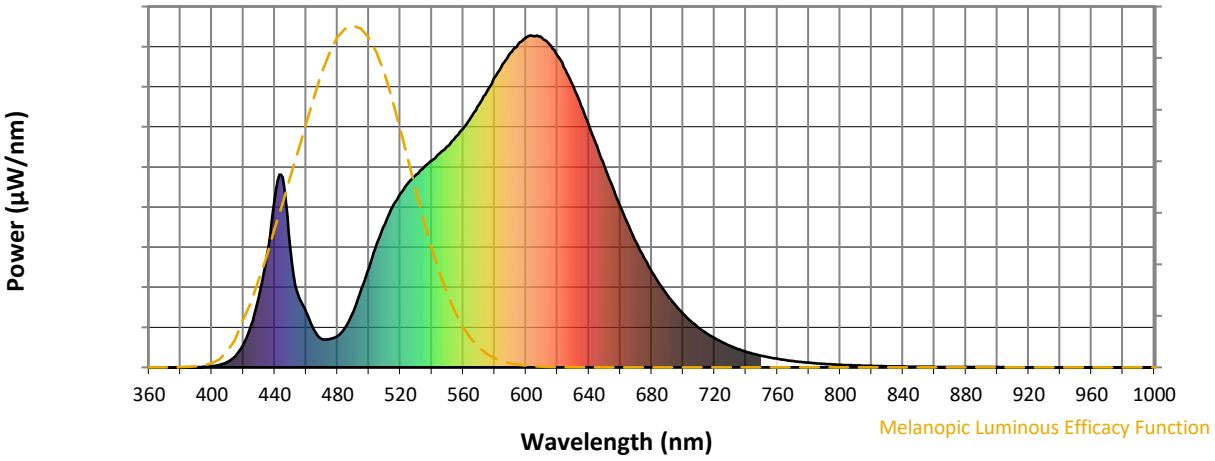
Melanopic Flux vs. Wavelength



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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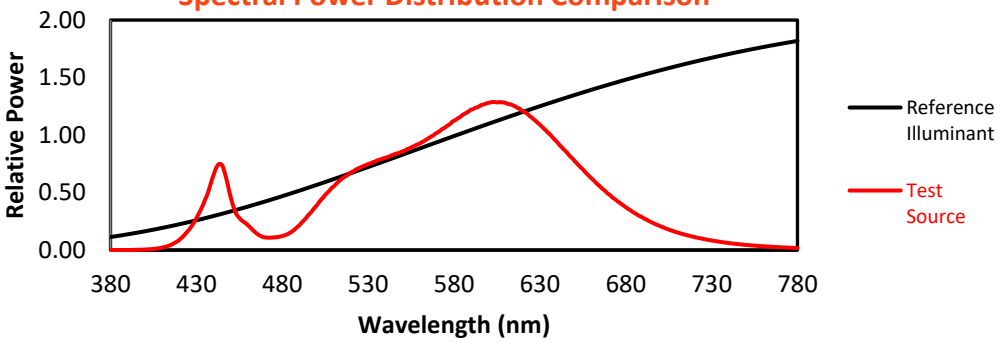
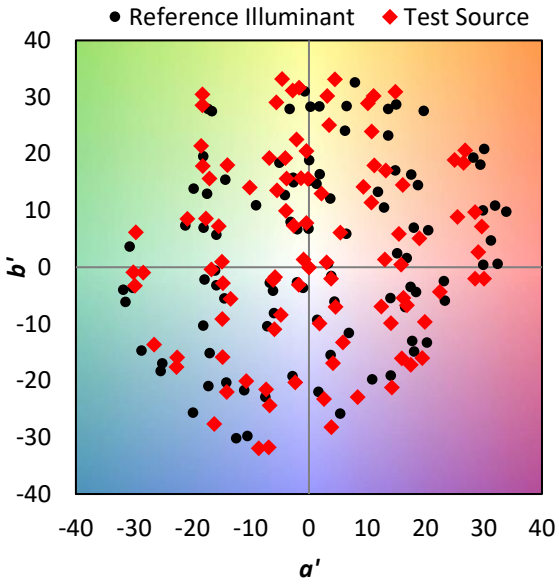
Summary

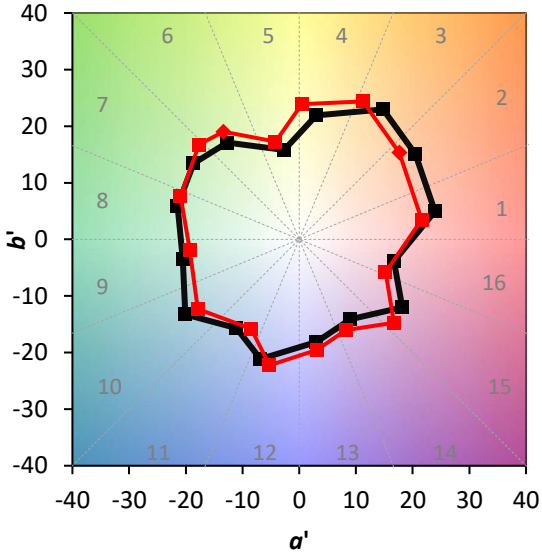
R_f = 81.5
R_g = 99.2
CIE R_a = 81.0
R_9 = 7.1

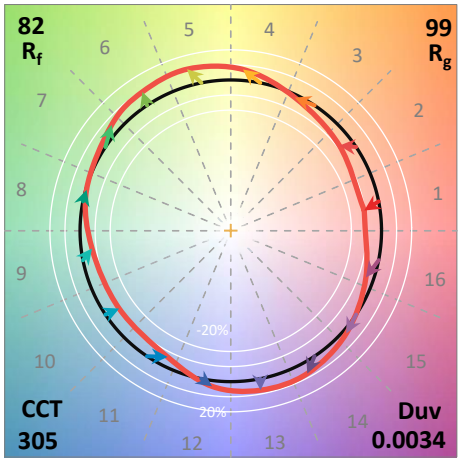
Spectral Power Distribution Comparison

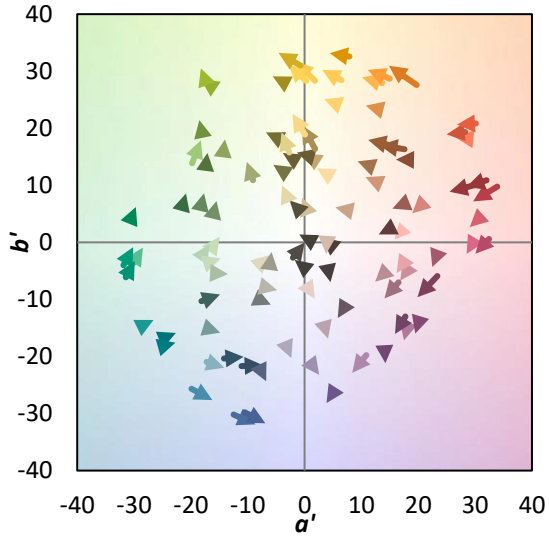


Color Vector Graphics









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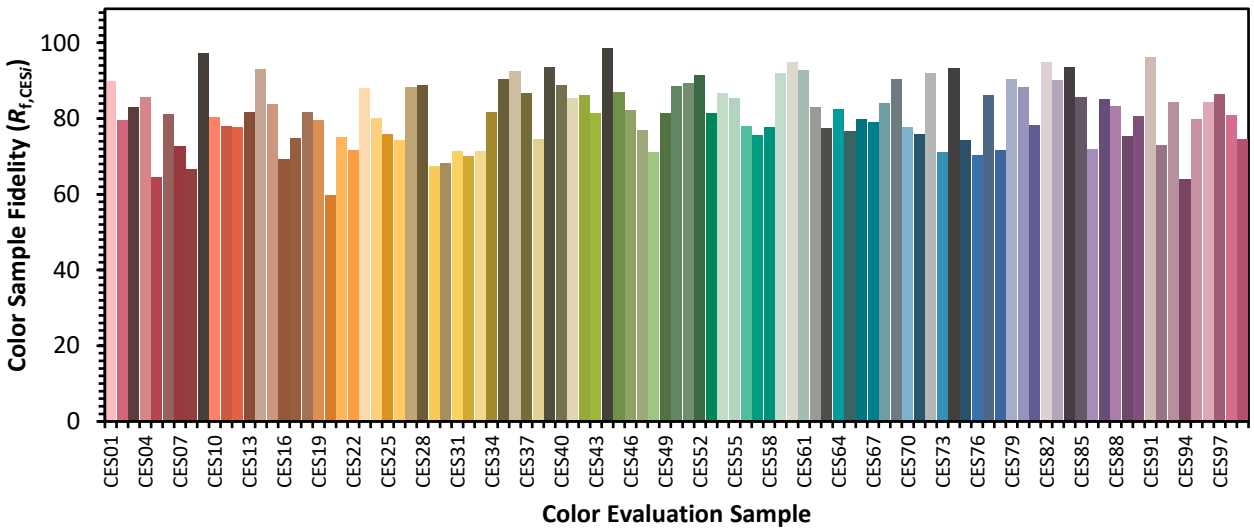
Individual Sample Fidelity Index ($R_{f,i}$)

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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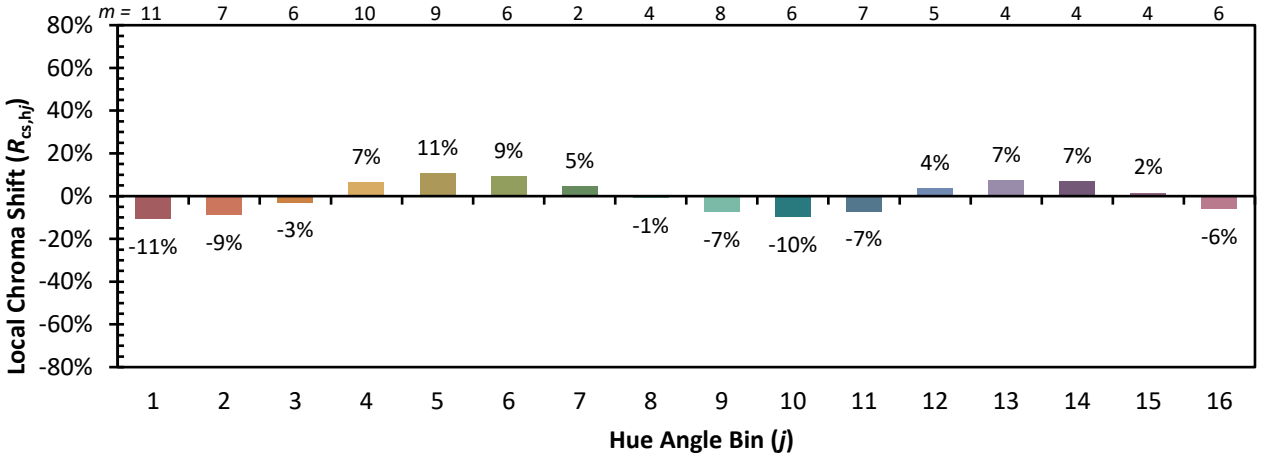
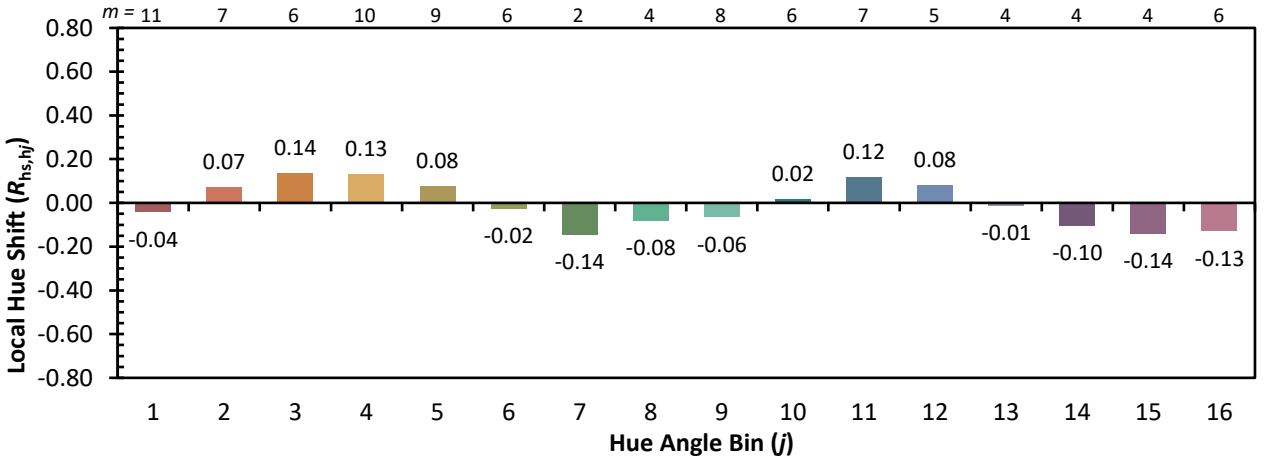
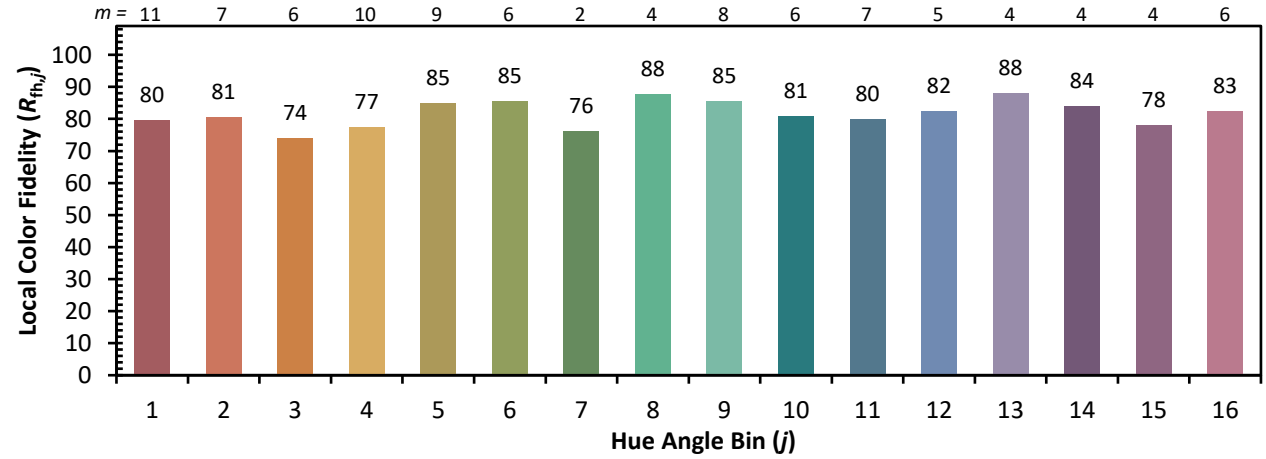
Color Rendition by Hue-Angle Bin







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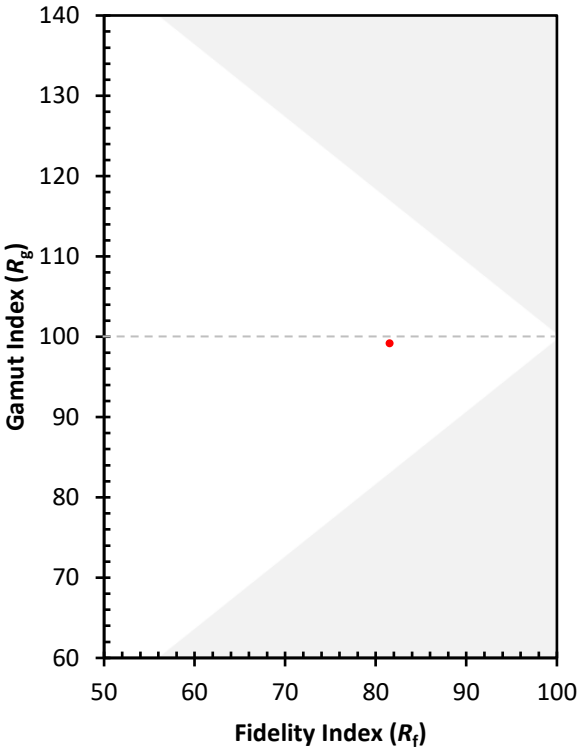
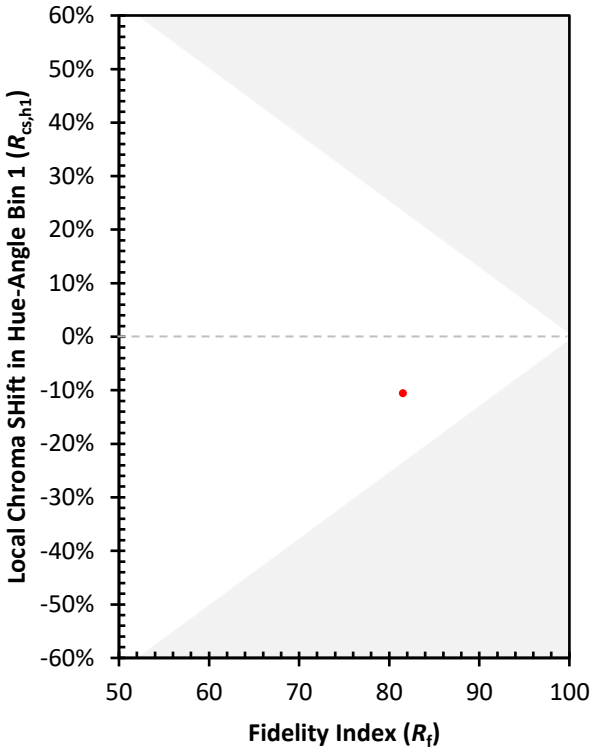
Measure Comparisons





(END OF REPORT)