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: P321442

Luminaire Tested: **GLEON-SA8B-830-U-T2R-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:	P321442
	TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-9)
Test Lab:	INNOVATION CENTER
Issue Date:	3/3/2020
Manufacturer:	COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line:	McGRAW-EDISON
Catalog Number:	GLEON-SA8B-830-U-T2R-HSS
Description:	GALLEON AREA AND ROADWAY LUMINAIRE
	(8) 80 CRI, 3000K, 800mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II ROADWAY OPTICS WITH HOUSE SIDE SHIELD
Light Source:	-
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	29376 lumens
Efficiency:	N/A
Efficacy:	88.0 lumens/watt
Luminous Opening:	Rectangular (W 2' x L: 1' x H: 0')
IES Classification:	Type II - Medium
BUG Rating:	B1 - U0 - G4

Input Watts (W):	334
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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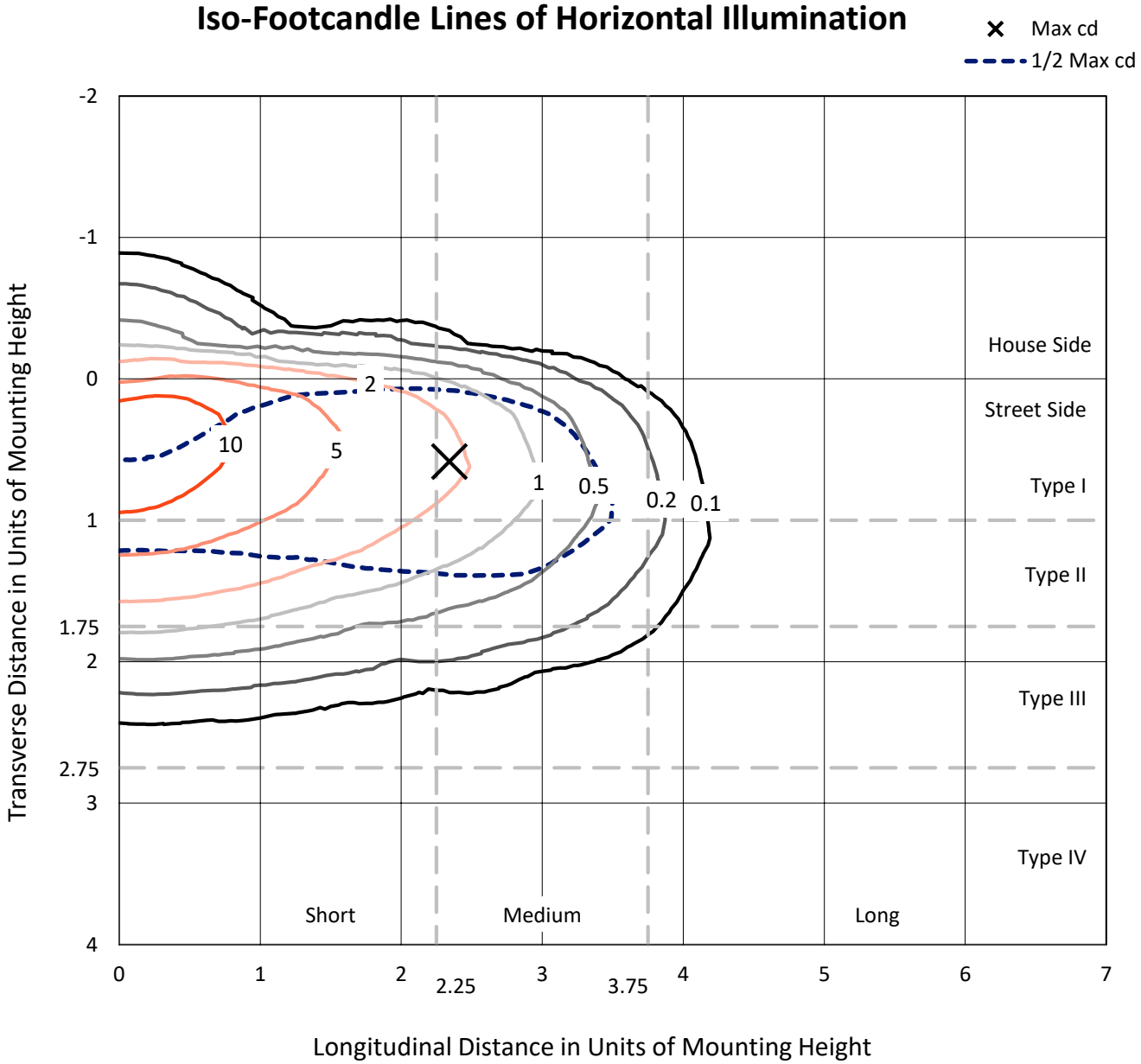
Scaled Data Report

REPORT NUMBER: P321442
CATALOG NUMBER: GLEON-SA8B-830-U-T2R-HSS

Iso-Footcandle Lines of Horizontal Illumination



Based on 25 foot mounting height. Maximum calculated value = 14 fc
Type II - Medium - N/A

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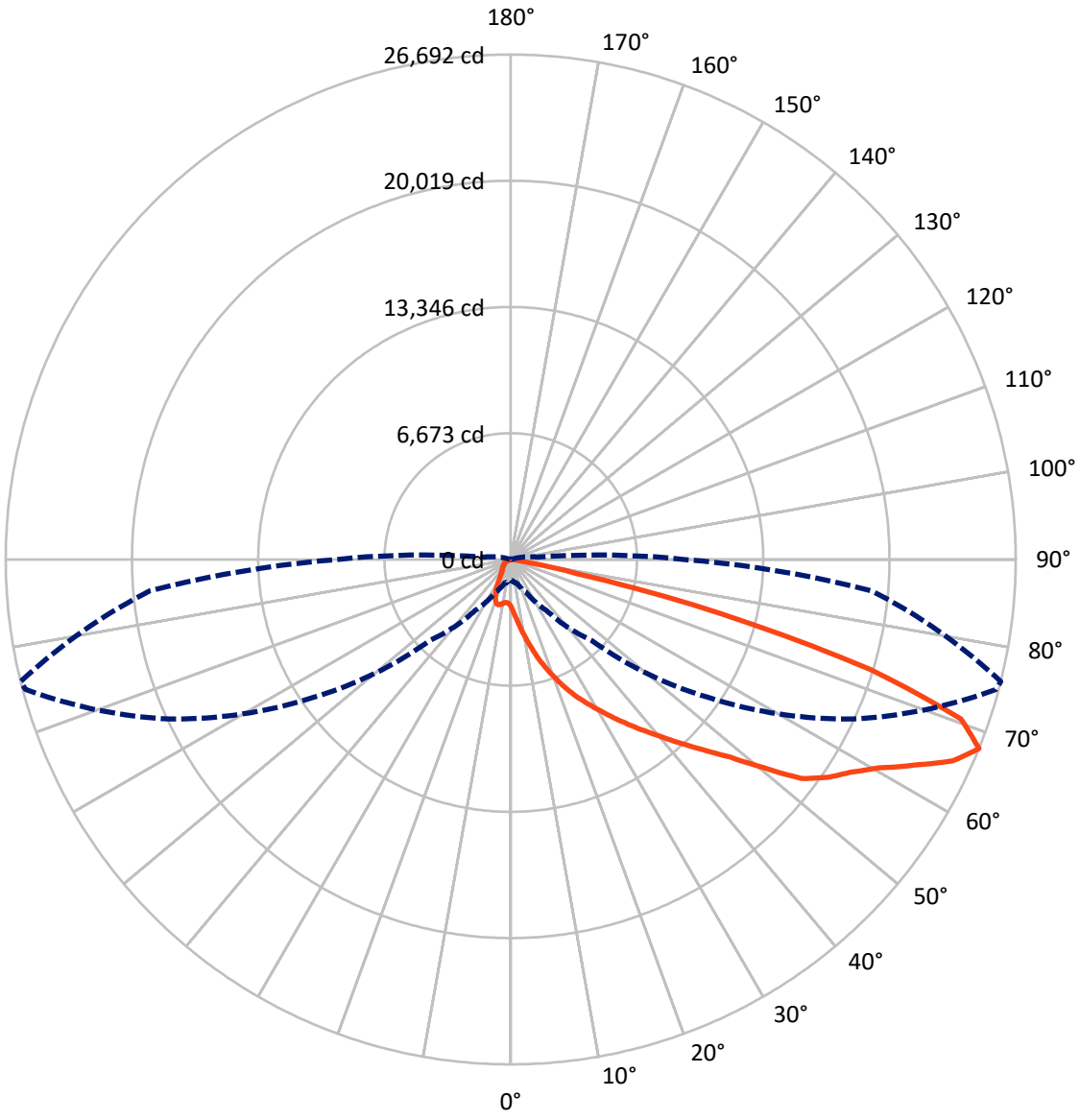
Luminous Intensity Polar Plot



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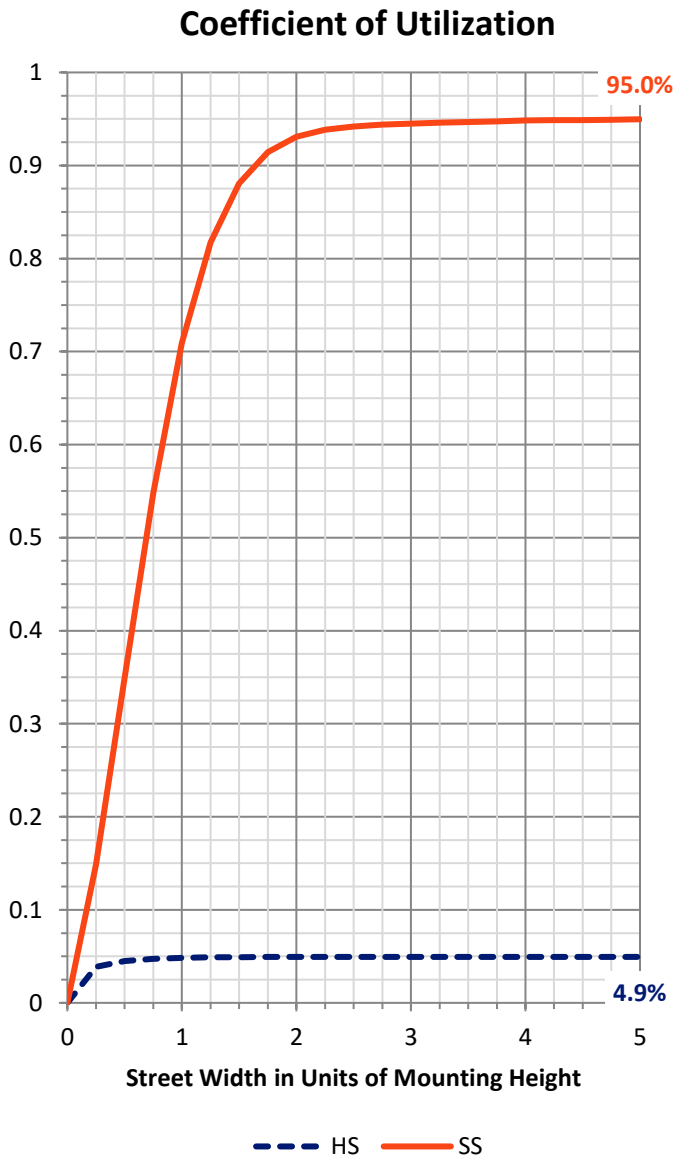
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1458.7	0.0	1458.7
	% Fixture	5.0	0.0	5.0
Street Side	Lumens	27917.3	0.0	27917.3
	% Fixture	95.0	0.0	95.0
Total	Lumens	29376.0	0.0	29376.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	309.9	1.1
10°-20°	1228.4	4.2
20°-30°	2499.3	8.5
30°-40°	4338.0	14.8
40°-50°	6129.0	20.9
50°-60°	6950.6	23.7
60°-70°	5764.9	19.6
70°-80°	2088.2	7.1
80°-90°	67.7	0.2
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°	29376.0	100.0
0°-180°	29376.0	100.0



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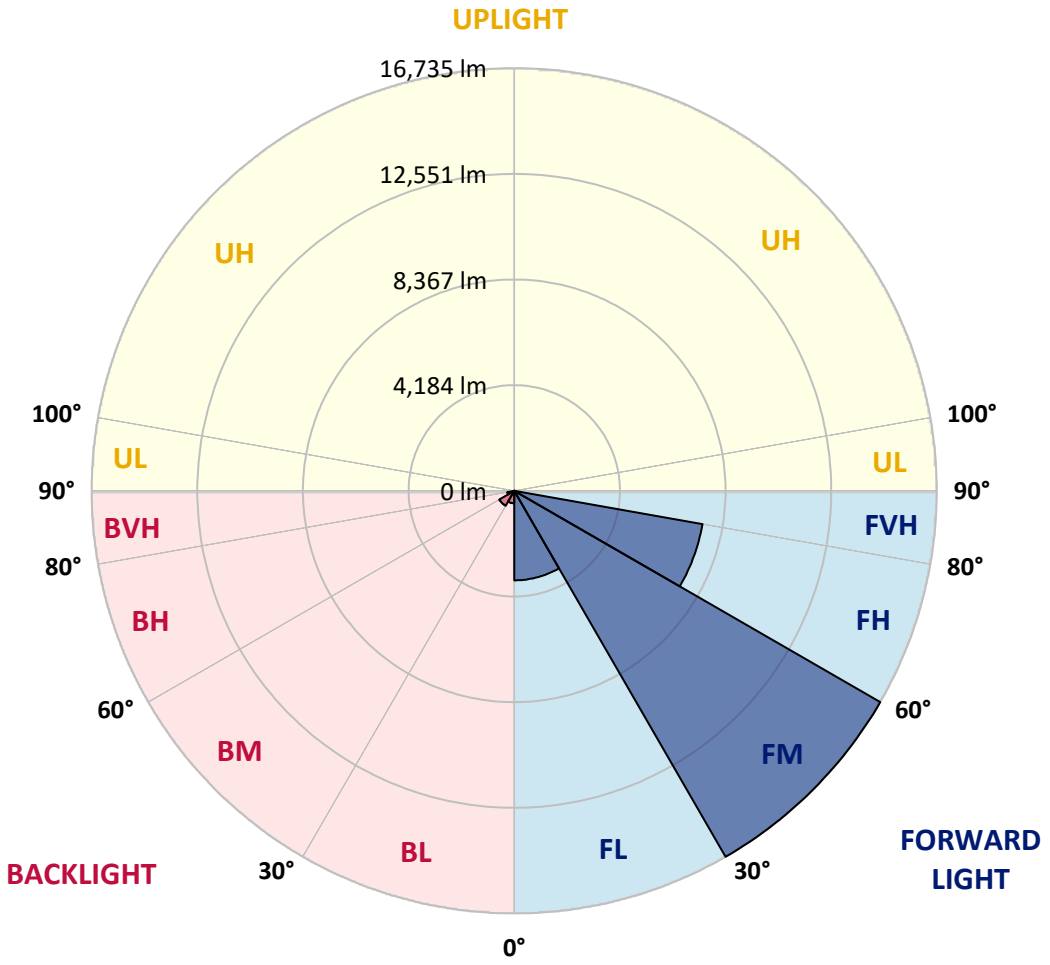
LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	3545.6	12.1			
FM	(30°-60°)	16734.9	57.0			
FH	(60°-80°)	7571.2	25.8			G4/12000
FVH	(80°-90°)	65.6	0.2			G1/100
BL	(0°-30°)	492.0	1.7	B1/500		
BM	(30°-60°)	682.7	2.3	B1/1000		
BH	(60°-80°)	281.9	1.0	B1/500		G1/500
BVH	(80°-90°)	2.1	0.0			G0/10
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G4
Type II Medium



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Scaled Data Report

REPORT NUMBER: P321442
CATALOG NUMBER: GLEON-SA8B-830-U-T2R-HSS

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	76°	85°
0°	2491.9	2491.9	2491.9	2491.9	2491.9	2491.9	2491.9	2491.9	2491.9	*2491.9*	2491.9
2.5°	3719.9	3636.2	3655.5	3601.5	3503.6	3302.8	3131.7	2969.5	2780.3	*2773.8*	2618.1
5°	5016.1	4945.3	4936.2	4826.8	4649.2	4308.1	3976.0	3597.6	3175.4	*3144.5*	2813.7
7.5°	6192.5	6135.9	6115.3	5985.3	5654.5	5322.4	4889.9	4333.9	3673.5	*3616.9*	3077.6
10°	7096.1	7069.1	7074.2	6981.5	6698.4	6389.4	5821.8	5112.6	4238.6	*4151.1*	3394.2
12.5°	7780.9	7787.3	7833.6	7777.0	7618.7	7389.6	6783.3	5942.8	4864.2	*4744.5*	3755.9
15°	8284.1	8316.3	8401.3	8472.1	8460.5	8262.3	7706.2	6785.9	5528.3	*5395.8*	4158.8
17.5°	8609.8	8645.8	8769.4	8926.4	9070.6	9024.3	8596.9	7599.4	6200.2	*6047.1*	4590.0
20°	8895.5	8938.0	9070.6	9277.8	9546.8	9604.8	9324.2	8388.4	6870.8	*6684.2*	5035.4
22.5°	9514.7	9513.4	9594.5	9715.5	9971.6	10120.9	9943.3	9120.8	7533.7	*7339.4*	5489.7
25°	10634.5	10592.0	10563.7	10468.4	10525.1	10617.8	10518.6	9805.6	8200.5	*8003.5*	5950.5
27.5°	11965.4	11991.2	11762.0	11505.9	11307.7	11212.4	11050.2	10440.1	8841.5	*8625.2*	6401.0
30°	13369.7	13377.4	13107.1	12780.2	12343.8	11982.1	11701.5	11046.4	9500.5	*9265.0*	6838.7
32.5°	14636.3	14586.1	14318.3	13873.0	13322.1	12915.3	12332.2	11723.4	10198.1	*9970.3*	7325.2
35°	15640.2	15581.0	15255.4	14849.9	14278.4	13869.1	13167.6	12399.2	10931.8	*10709.1*	7813.0
37.5°	16373.9	16304.4	15969.8	15552.7	15059.7	14821.6	14136.8	13134.1	11732.4	*11493.0*	8326.6
40°	16628.8	16568.3	16358.5	16053.4	15657.0	15602.9	15165.3	13979.8	12603.8	*12349.0*	8908.4
42.5°	16476.9	16417.7	16343.0	16240.1	16075.3	16126.8	16135.8	14943.9	13571.8	*13320.8*	9550.7
45°	15874.5	15821.7	15899.0	16049.6	16254.2	16509.1	17021.4	15980.1	14653.0	*14385.3*	10293.4
47.5°	14987.7	14949.0	15162.7	15538.6	16137.1	16839.9	17831.0	17069.0	15866.8	*15618.4*	11220.1
50°	13726.2	13719.8	14147.1	14833.2	15753.5	16999.5	18667.6	18307.2	17553.0	*17291.7*	12508.6
52.5°	11762.0	11774.9	12615.4	13713.4	15080.3	16891.4	19205.7	19898.2	19514.6	*19243.0*	13624.6
55°	9891.8	9969.0	10565.0	12148.2	14048.0	16489.8	19391.0	20640.8	20597.1	*20339.7*	14245.0
57.5°	8060.2	8200.5	8774.5	10253.5	12540.8	15564.3	19289.3	20962.6	21402.8	*21205.9*	15063.6
60°	6075.4	6139.7	6801.3	8183.7	10606.2	13875.6	18551.8	21137.7	22504.6	*22368.2*	16251.6
62.5°	3865.3	4026.2	4613.2	5946.7	8258.4	11530.4	17308.4	21135.1	23883.2	*23957.8*	17784.6
65°	2036.3	2224.2	2535.7	3685.1	5675.1	8911.0	15438.2	20936.9	25574.5	*25678.8*	18983.0
67.5°	*1097.9*	*1152.0*	*1316.8*	*1912.7*	*3291.3*	*6036.8*	*12690.1*	*19958.7*	*26554.0*	*26691.8*	*19150.3*
70°	803.2	832.8	894.6	1058.0	1656.6	3506.2	9259.8	17740.9	25291.3	*25239.9*	17014.9
72.5°	616.5	662.9	709.2	774.9	952.5	1871.5	5765.2	13892.3	20180.0	*19840.2*	12718.4
75°	486.5	494.3	559.9	619.1	714.4	1065.8	2560.2	8091.1	12316.8	*11512.3*	6595.4
77.5°	388.7	393.9	432.5	484.0	574.1	700.2	792.9	3183.1	3932.3	*3508.8*	1431.3
80°	230.4	243.3	321.8	373.3	476.2	441.5	289.6	691.2	614.0	*556.1*	240.7
82.5°	128.7	139.0	181.5	294.8	332.1	211.1	144.2	186.6	144.2	*140.3*	68.2
85°	0.0	6.4	117.1	182.8	135.2	46.3	60.5	61.8	42.5	*39.9*	27.0
87.5°	0.0	0.0	36.0	34.8	5.1	7.7	14.2	20.6	16.7	*16.7*	14.2
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	*0.0*	0.0

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REPORT NUMBER: P321442
CATALOG NUMBER: GLEON-SA8B-830-U-T2R-HSS

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	2491.9	2491.9	2491.9	2491.9	2491.9	2491.9	2491.9	2491.9	2491.9	2491.9	2491.9
2.5°	2540.8	2471.3	2340.1	2211.3	2103.2	2014.4	1934.6	1902.4	1876.7	1872.8	1852.2
5°	2654.1	2513.8	2262.8	2056.9	1919.2	1821.3	1737.7	1686.2	1646.3	1630.8	1616.7
7.5°	2825.3	2612.9	2252.5	2015.7	1850.9	1686.2	1531.7	1364.4	1260.1	1220.2	1197.1
10°	3033.8	2744.2	2291.1	2004.1	1715.8	1368.2	1112.1	899.7	813.5	785.2	777.4
12.5°	3277.1	2907.7	2358.1	1932.0	1427.5	971.8	767.1	695.1	675.8	666.7	666.7
15°	3556.4	3086.6	2405.7	1723.5	1055.5	735.0	664.2	630.7	610.1	598.5	599.8
17.5°	3842.2	3261.7	2382.5	1421.0	778.7	653.9	601.1	565.1	536.7	525.2	522.6
20°	4130.5	3423.8	2253.8	1058.0	659.0	593.4	534.2	494.3	466.0	454.4	451.8
22.5°	4429.1	3561.6	2027.3	776.2	592.1	526.4	468.5	428.6	401.6	391.3	386.1
25°	4720.0	3673.5	1710.6	628.1	529.0	463.4	408.0	370.7	346.2	335.9	334.7
27.5°	4991.6	3744.3	1343.8	554.8	473.7	406.7	356.5	323.1	302.5	294.8	293.5
30°	5236.2	3750.8	993.7	500.7	424.8	357.8	311.5	281.9	263.9	256.1	253.6
32.5°	5483.3	3696.7	723.4	451.8	379.7	315.4	270.3	247.1	234.3	227.8	227.8
35°	5716.3	3571.9	563.8	409.3	335.9	274.2	238.1	221.4	213.7	207.2	207.2
37.5°	5944.1	3392.9	478.8	372.0	294.8	239.4	209.8	199.5	193.1	186.6	186.6
40°	6175.8	3167.7	435.1	337.2	261.3	212.4	186.6	177.6	171.2	166.0	164.8
42.5°	6460.2	2907.7	406.7	305.1	231.7	187.9	164.8	154.5	149.3	144.2	141.6
45°	6789.8	2683.7	383.6	272.9	207.2	167.3	142.9	132.6	124.9	118.4	117.1
47.5°	7264.7	2521.5	352.7	238.1	184.1	145.4	123.6	112.0	100.4	94.0	92.7
50°	7871.0	2387.7	312.8	207.2	160.9	123.6	103.0	88.8	78.5	72.1	72.1
52.5°	8172.2	2212.6	276.7	180.2	135.2	104.3	83.7	66.9	61.8	55.3	55.3
55°	8293.2	2078.8	240.7	153.2	112.0	86.2	65.6	51.5	47.6	43.8	42.5
57.5°	8633.0	2040.1	209.8	130.0	92.7	68.2	50.2	38.6	36.0	30.9	30.9
60°	9180.0	2059.5	181.5	110.7	74.7	52.8	37.3	29.6	27.0	21.9	21.9
62.5°	9770.8	2035.0	153.2	95.2	57.9	38.6	25.7	21.9	21.9	12.9	11.6
65°	9884.1	1812.3	131.3	78.5	45.1	28.3	16.7	14.2	19.3	2.6	0.0
67.5°	*9173.6*	*1405.6*	*113.3*	*60.5*	*33.5*	*21.9*	*12.9*	*6.4*	*16.7*	*0.0*	*0.0*
70°	7335.5	893.3	91.4	43.8	25.7	18.0	10.3	2.6	12.9	0.0	0.0
72.5°	5187.2	518.7	72.1	30.9	21.9	14.2	7.7	0.0	7.7	0.0	0.0
75°	2623.2	276.7	45.1	23.2	16.7	10.3	5.1	0.0	1.3	0.0	0.0
77.5°	567.6	128.7	28.3	16.7	11.6	6.4	2.6	0.0	0.0	0.0	0.0
80°	123.6	56.6	18.0	10.3	6.4	3.9	0.0	0.0	0.0	0.0	0.0
82.5°	45.1	29.6	9.0	5.1	2.6	0.0	0.0	0.0	0.0	0.0	0.0
85°	24.5	15.4	5.1	2.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	12.9	5.1	1.3	1.3	0.0	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

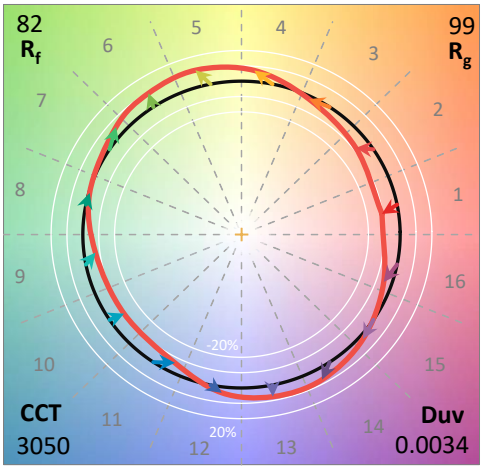
Test Information

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

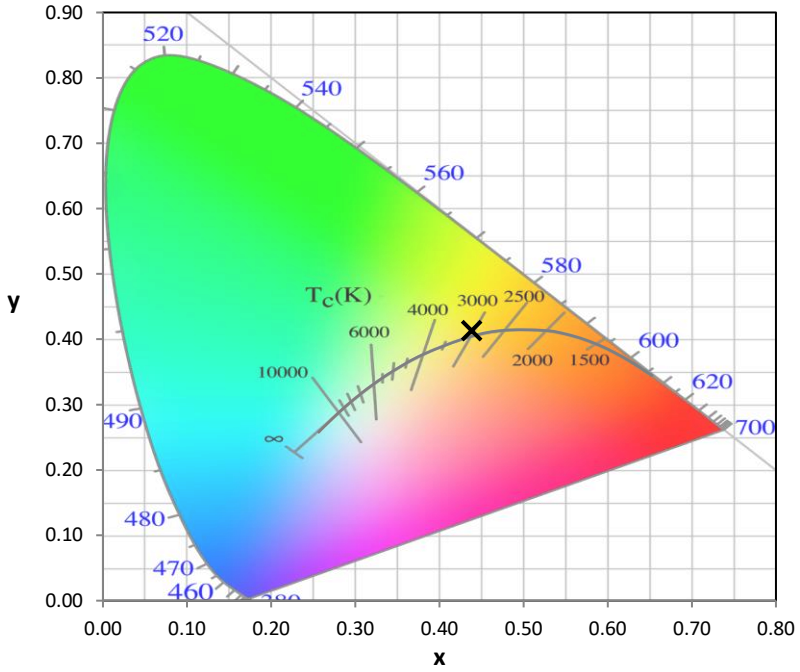
Stabilization Time:	20M
Operation Time:	1H 20M
Sphere Temperature (°C):	24.2

REPORT NUMBER: SP1-2408-195-9

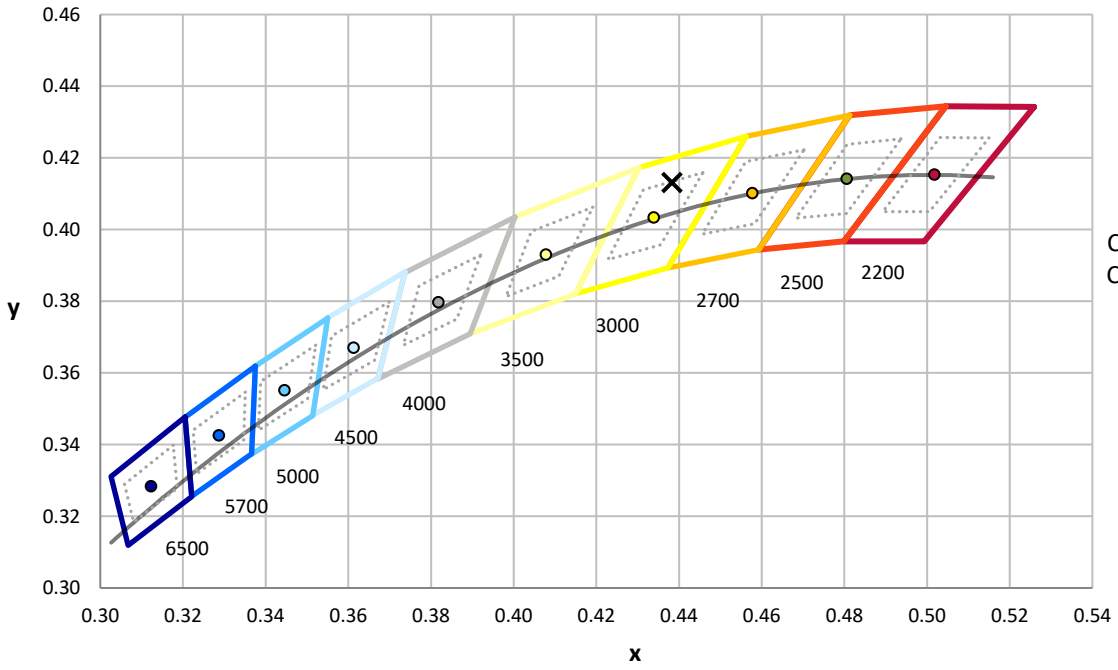
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085	10/24/2023	10/24/2024
Room Thermometer	IN0046	10/24/2023	10/24/2024

REPORT NUMBER: SP1-2408-195-9

CIE 1931 Chromaticity Diagram



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

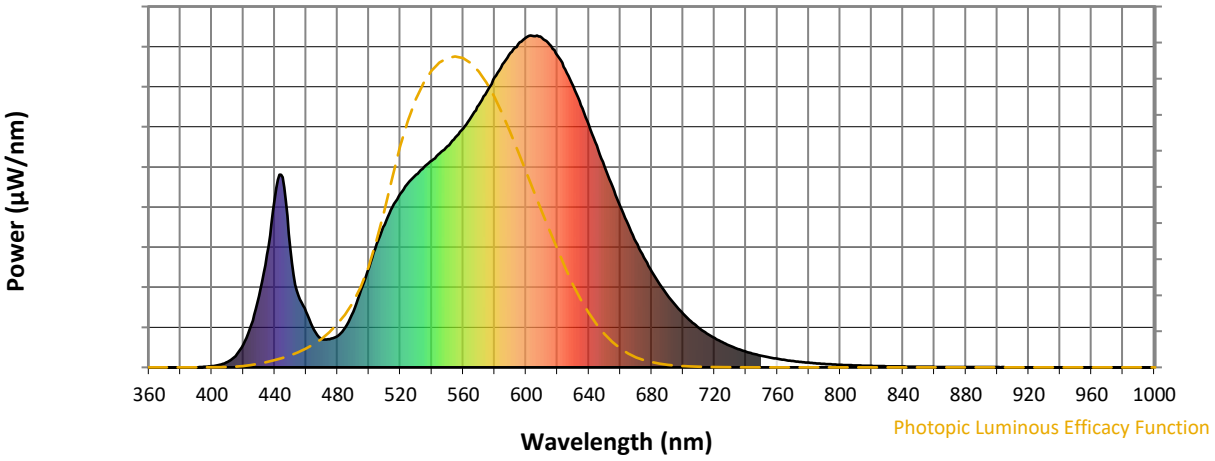


CCT = 3050K
CIE x = 0.4383
CIE y = 0.4131
Duv = 0.0034

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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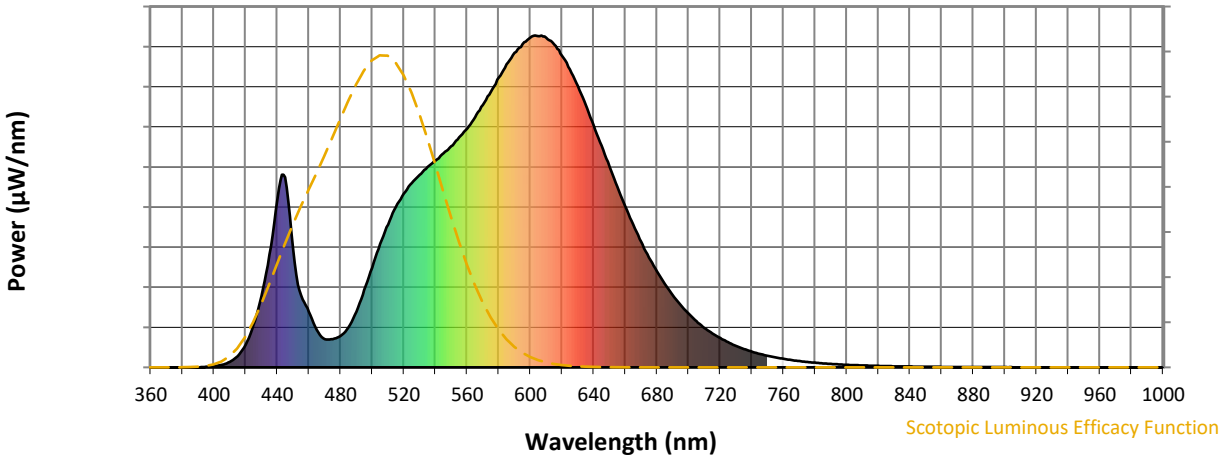
Scotopic Flux vs. Wavelength



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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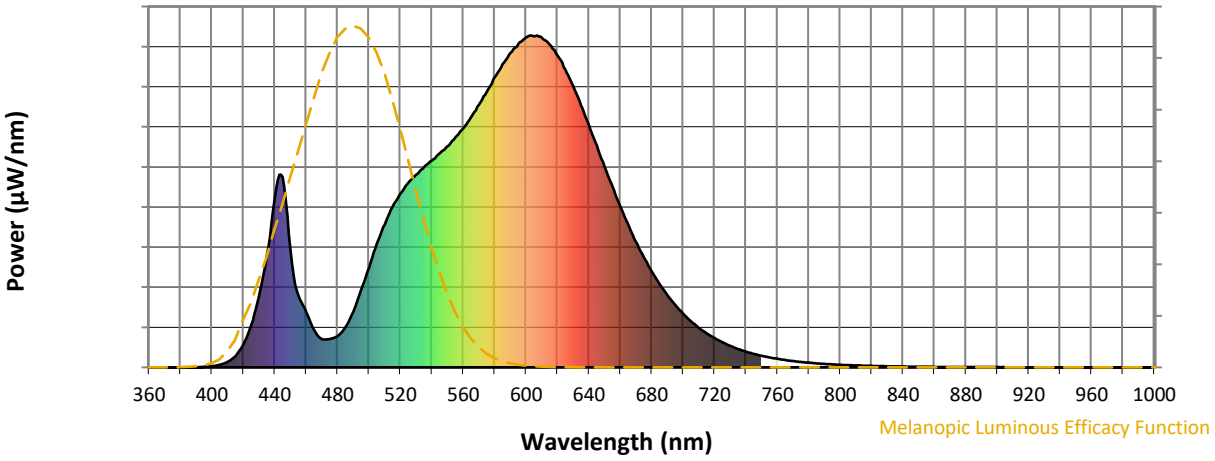
Melanopic Flux vs. Wavelength



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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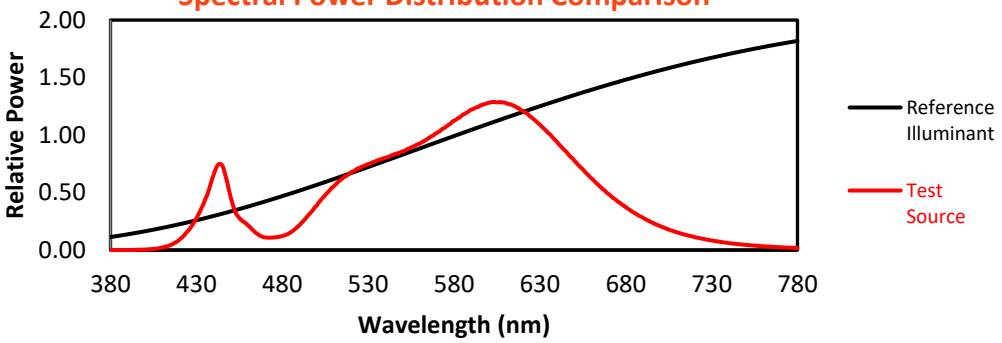
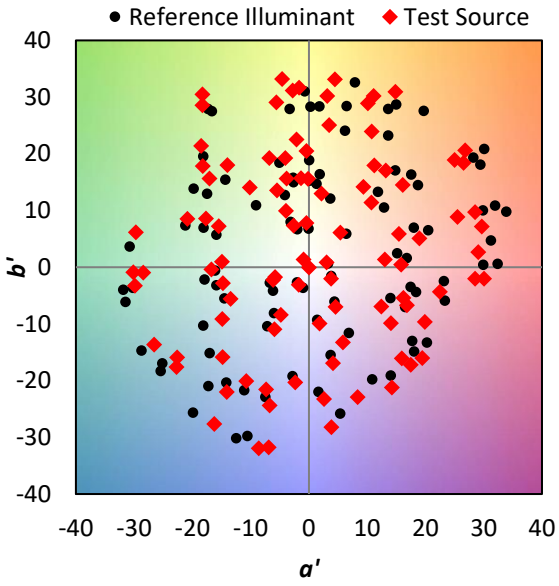
Summary

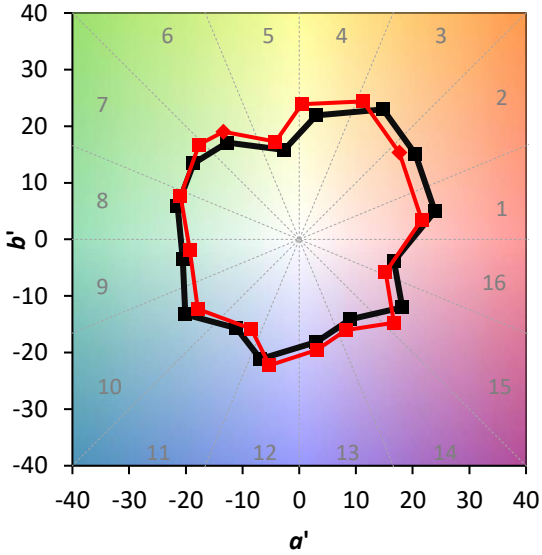
R_f = 81.5
R_g = 99.2
CIE R_a = 81.0
R_9 = 7.1

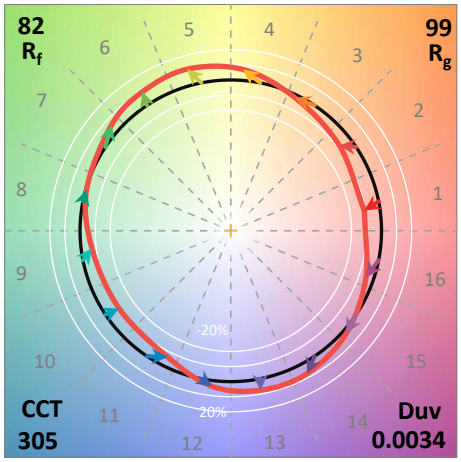
Spectral Power Distribution Comparison

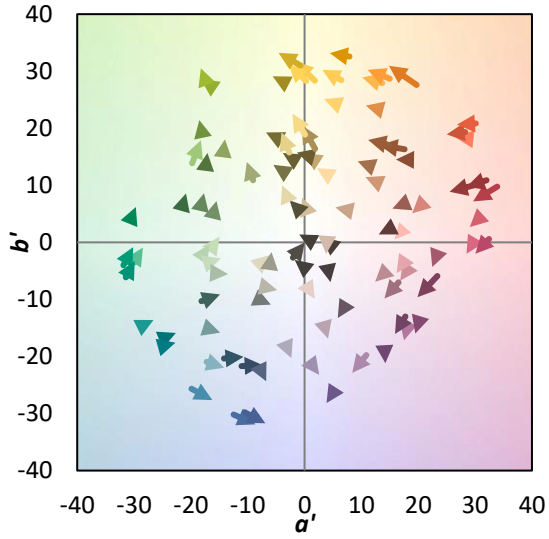


Color Vector Graphics









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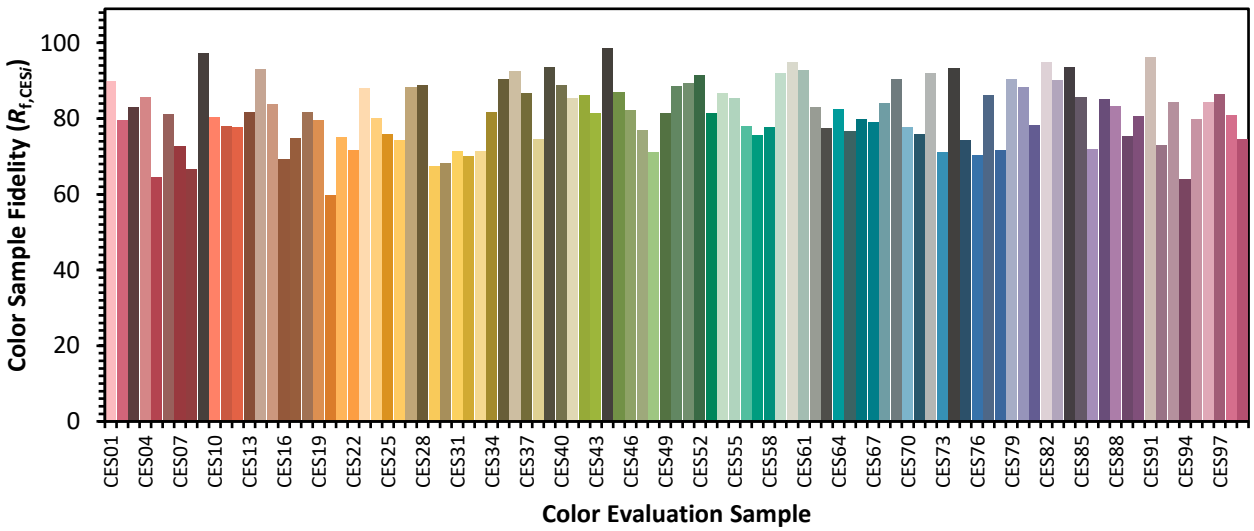
Individual Sample Fidelity Index ($R_{f,i}$)

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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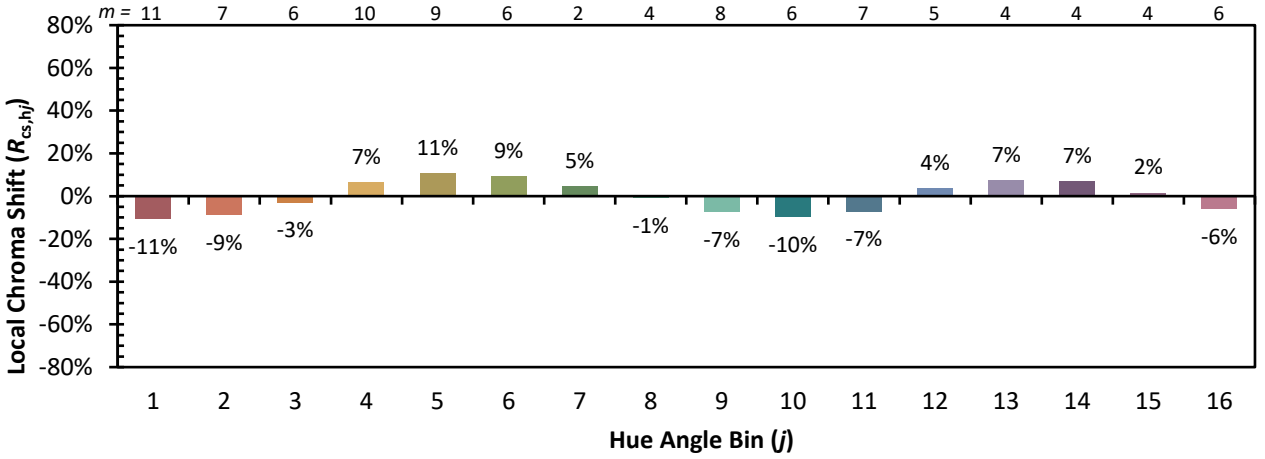
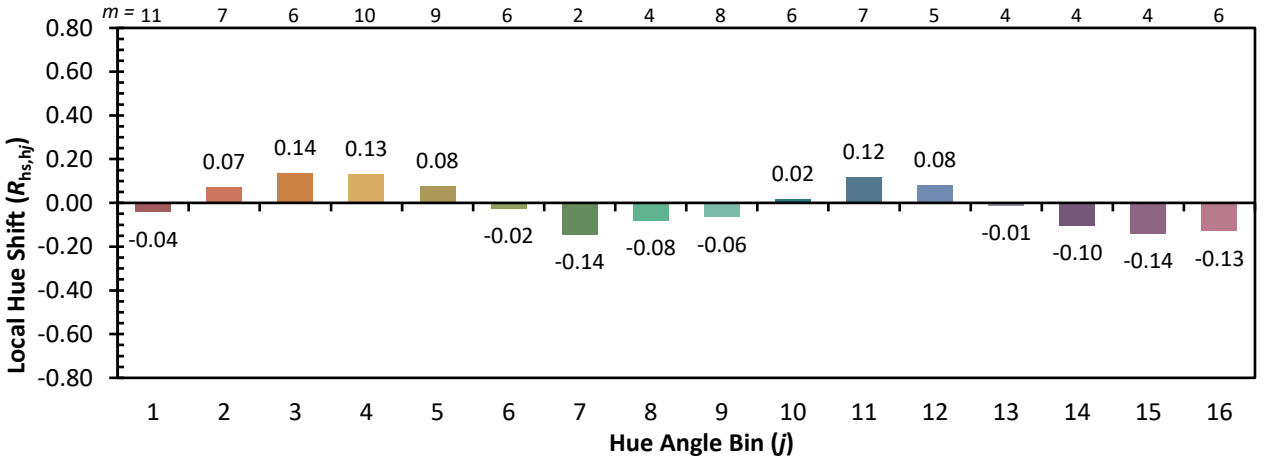
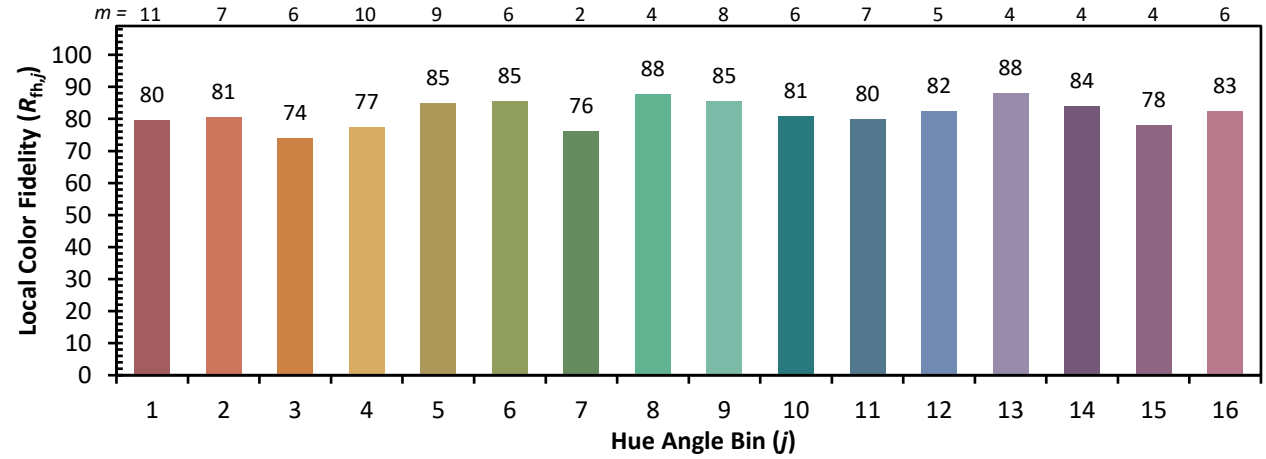
Color Rendition by Hue-Angle Bin







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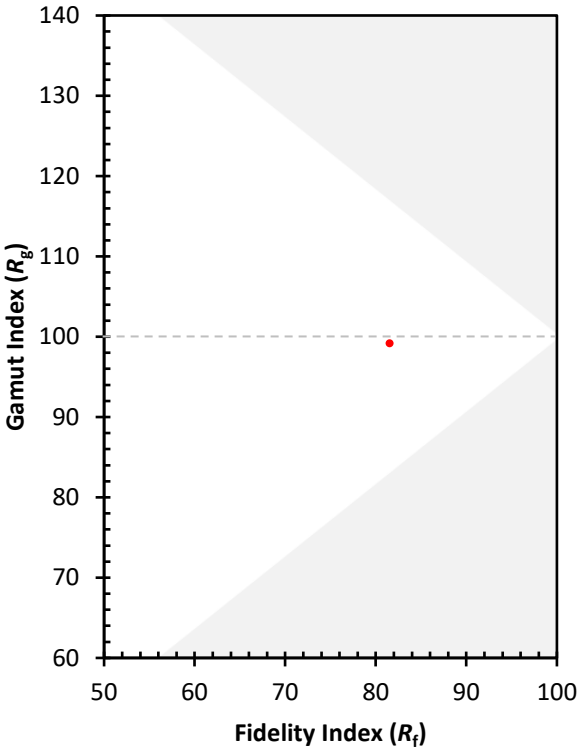
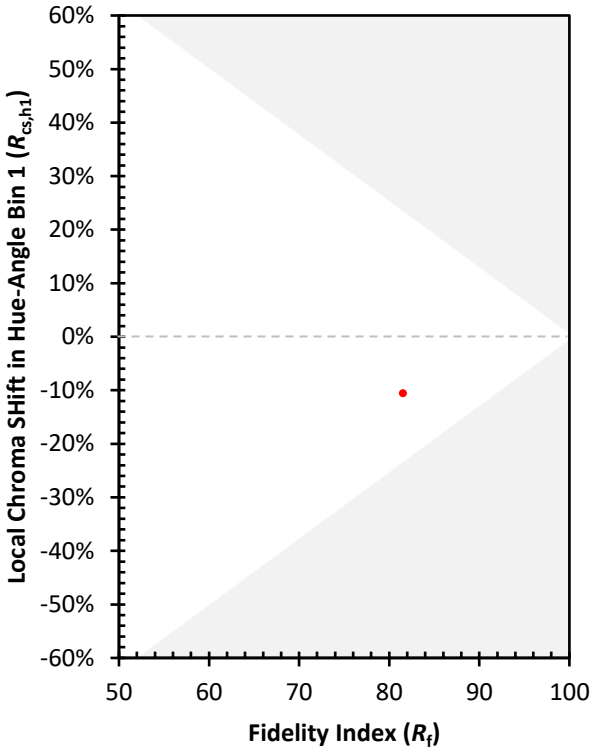
Measure Comparisons





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