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: P324001

Luminaire Tested: **GLEON-SA7B-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:	P324001
	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-SA7B-830-U-SL4-HSS
Description:	GALLEON AREA AND ROADWAY LUMINAIRE
	(7) 80 CRI, 3000K, 800mA 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:	26069 lumens
Efficiency:	N/A
Efficacy:	88.4 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):	295
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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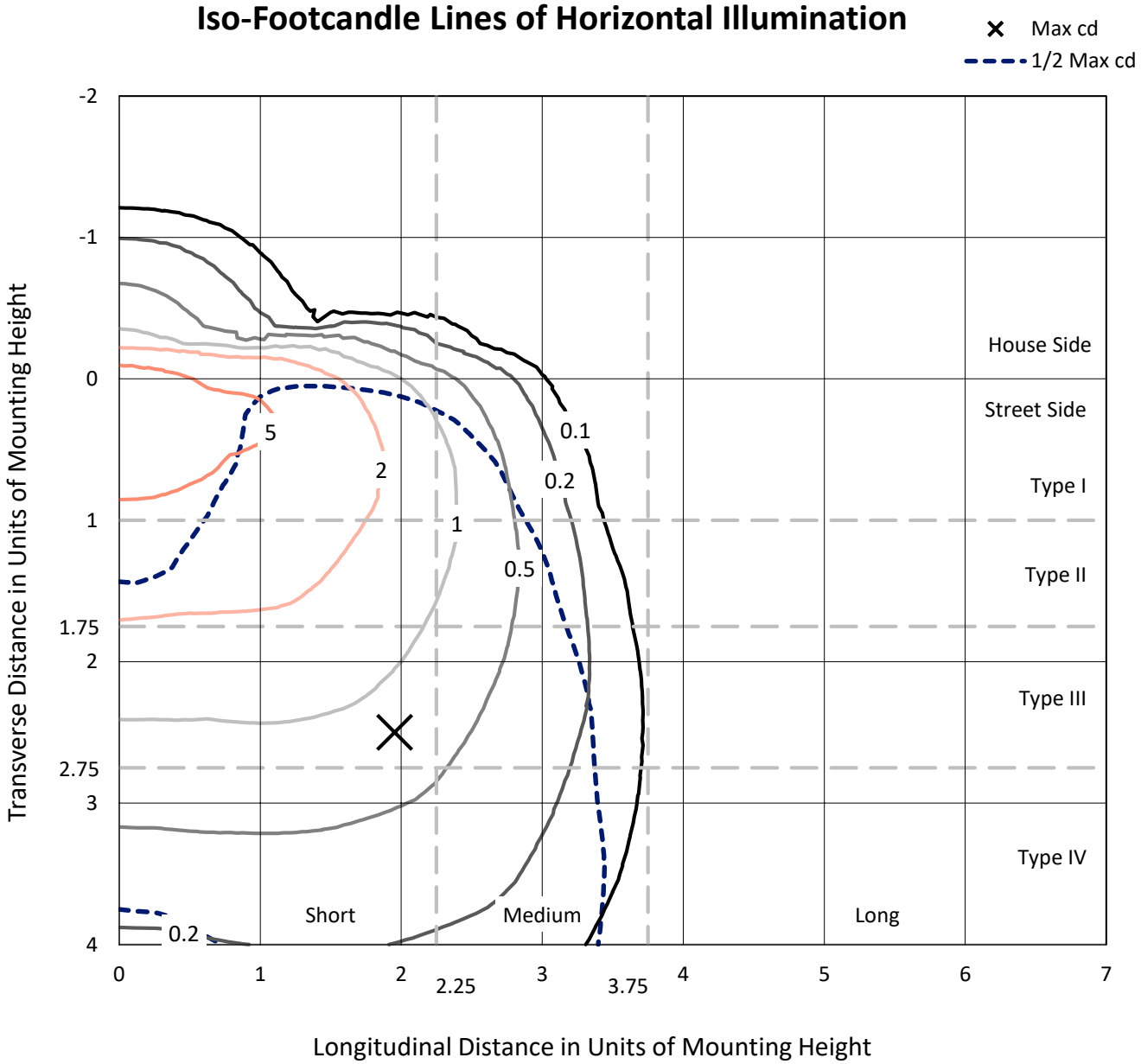
Scaled Data Report

REPORT NUMBER: P324001
CATALOG NUMBER: GLEON-SA7B-830-U-SL4-HSS

Iso-Footcandle Lines of Horizontal Illumination



Based on 25 foot mounting height. Maximum calculated value = 8.1 fc
Type IV - Short - N/A

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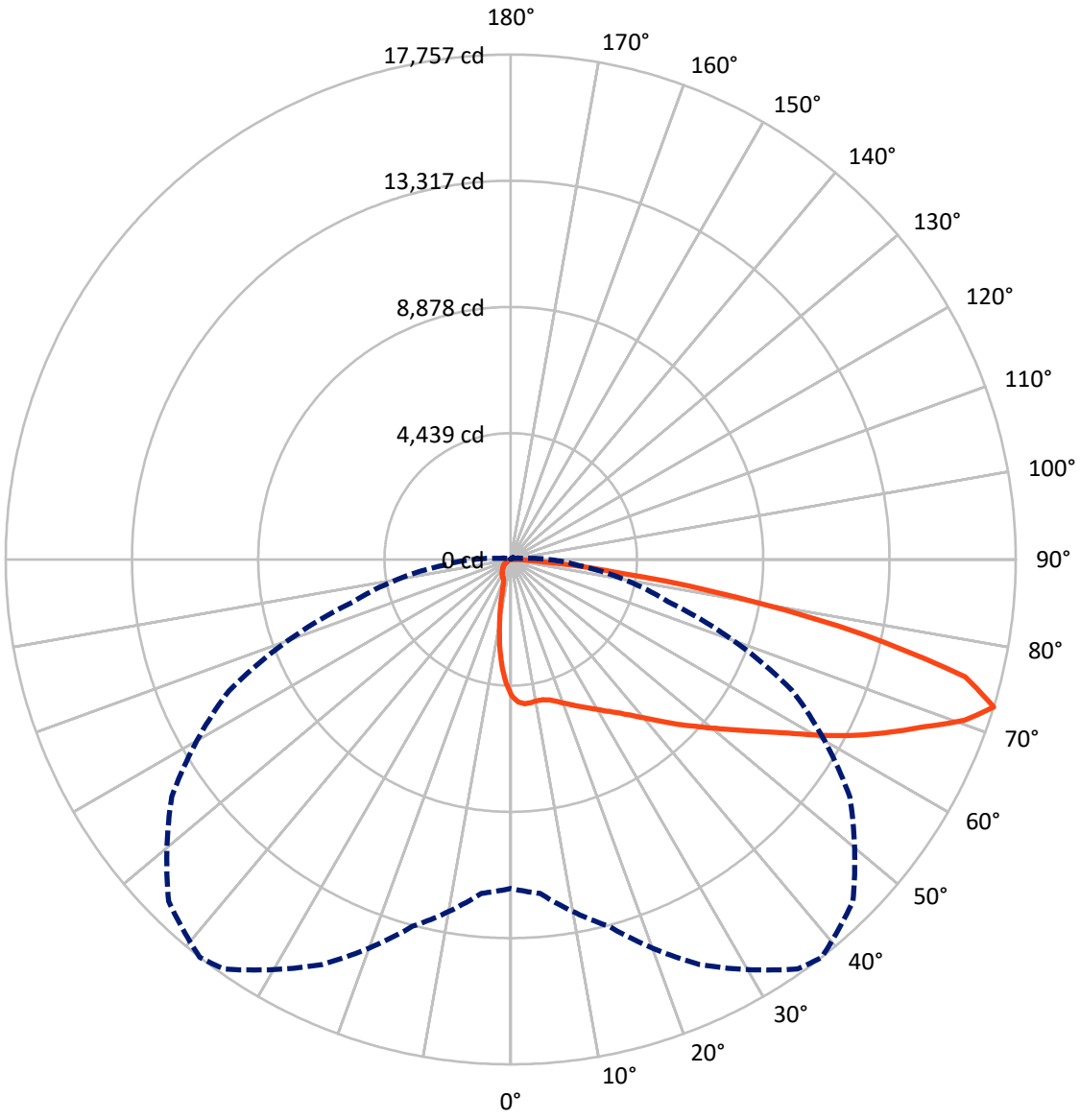
Luminous Intensity Polar Plot



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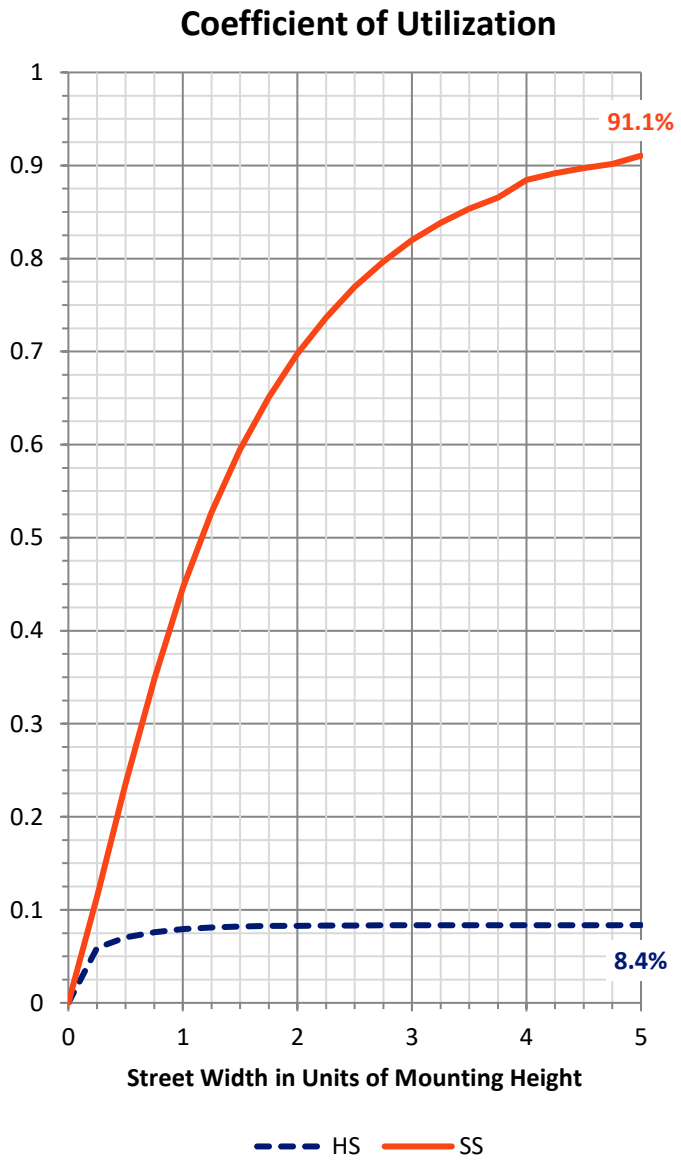
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2193.8	0.0	2193.8
	% Fixture	8.4	0.0	8.4
Street Side	Lumens	23875.2	0.0	23875.2
	% Fixture	91.6	0.0	91.6
Total	Lumens	26069.0	0.0	26069.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	408.5	1.6
10°-20°	999.0	3.8
20°-30°	1588.8	6.1
30°-40°	2388.7	9.2
40°-50°	3644.1	14.0
50°-60°	5150.3	19.8
60°-70°	6460.2	24.8
70°-80°	4830.4	18.5
80°-90°	599.0	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°	26069.0	100.0
0°-180°	26069.0	100.0



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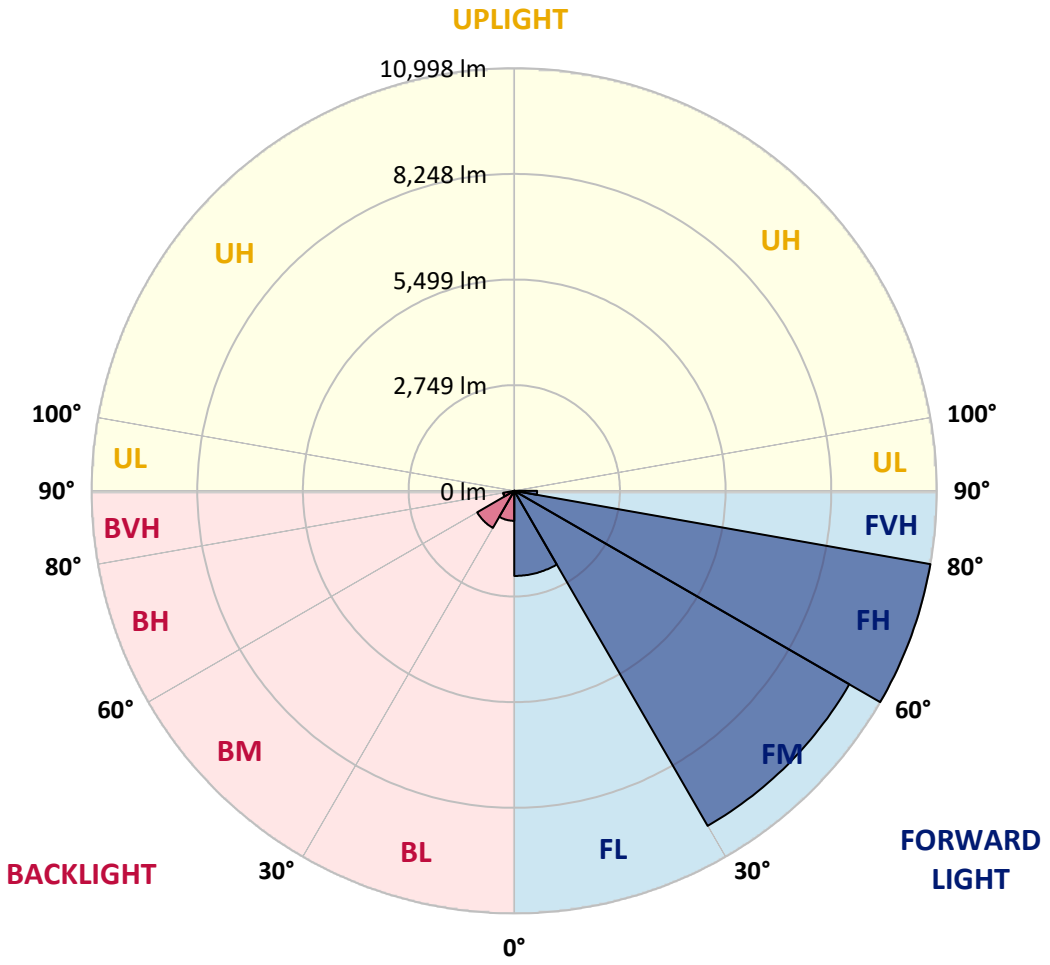
REPORT NUMBER: P324001
CATALOG NUMBER: GLEON-SA7B-830-U-SL4-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	2215.2	8.5			
FM	(30°-60°)	10069.0	38.6			
FH	(60°-80°)	10997.6	42.2			G4/12000
FVH	(80°-90°)	593.4	2.3			G4/750
BL	(0°-30°)	781.1	3.0	B2/1000		
BM	(30°-60°)	1114.0	4.3	B2/2500		
BH	(60°-80°)	293.0	1.1	B1/500		G1/500
BVH	(80°-90°)	5.6	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: P324001
CATALOG NUMBER: GLEON-SA7B-830-U-SL4-HSS

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	38°	45°	55°	65°	75°	85°
0°	4794.0	4794.0	4794.0	4794.0	4794.0	4794.0	4794.0	4794.0	4794.0	4794.0	4794.0
2.5°	5088.5	5089.6	5077.7	5058.2	5033.3	5020.3	4998.6	4964.0	4927.2	4861.1	4789.7
5°	5192.4	5192.4	5177.3	5151.3	5111.2	5099.3	5058.2	5003.0	4927.2	4820.0	4699.8
7.5°	5181.6	5183.8	5163.2	5136.1	5096.1	5085.2	5035.4	4973.7	4879.5	4749.6	4595.9
10°	5125.3	5130.7	5114.5	5101.5	5064.7	5052.8	5006.2	4944.5	4850.3	4711.7	4535.2
12.5°	5067.9	5073.3	5078.7	5090.7	5067.9	5063.6	5026.8	4974.8	4884.9	4741.0	4541.7
15°	5031.1	5041.9	5080.9	5127.5	5132.9	5128.5	5104.7	5056.0	4965.1	4815.7	4588.3
17.5°	5031.1	5048.4	5129.6	5218.4	5249.8	5253.0	5232.5	5164.3	5056.0	4895.8	4631.6
20°	5073.3	5097.1	5223.8	5349.4	5401.4	5401.4	5361.3	5266.0	5139.4	4968.3	4660.8
22.5°	5181.6	5213.0	5372.1	5517.2	5572.4	5560.5	5506.4	5367.8	5226.0	5050.6	4697.6
25°	5394.9	5418.7	5584.3	5730.5	5764.1	5737.0	5668.8	5491.2	5336.4	5162.1	4764.8
27.5°	5669.9	5673.1	5844.2	5967.6	5947.0	5928.6	5843.1	5646.1	5495.6	5321.3	4880.6
30°	5971.9	5971.9	6122.4	6216.6	6153.8	6138.7	6053.1	5833.4	5699.1	5537.8	5045.2
32.5°	6264.3	6277.2	6399.6	6459.1	6388.8	6373.6	6290.2	6070.5	5969.8	5868.0	5301.8
35°	6546.8	6556.6	6672.4	6704.9	6637.8	6642.1	6582.6	6396.3	6358.4	6345.5	5688.3
37.5°	6820.7	6822.9	6940.9	6961.5	6927.9	6964.7	6970.1	6805.6	6876.0	6981.0	6232.9
40°	7070.8	7073.0	7189.9	7243.0	7300.4	7348.0	7390.2	7302.5	7535.3	7778.9	6881.4
42.5°	7271.1	7293.9	7442.2	7542.9	7694.4	7785.4	7900.1	7895.8	8320.2	8686.2	7665.2
45°	7447.6	7486.6	7693.4	7869.8	8129.7	8274.7	8454.5	8595.2	9203.7	9696.3	8458.8
47.5°	7680.4	7717.2	7953.2	8242.3	8588.7	8779.3	9077.0	9381.2	10174.8	10688.0	9234.0
50°	8008.4	7992.2	8224.9	8639.6	9084.6	9334.7	9759.1	10214.9	11138.4	11551.9	9689.8
52.5°	8358.1	8351.6	8523.8	9071.6	9669.2	9961.5	10522.3	11076.7	12059.7	12147.4	9898.7
55°	8791.2	8744.6	8889.7	9564.2	10363.2	10677.2	11337.6	11929.8	12793.8	12483.0	10003.7
57.5°	9244.8	9167.9	9306.5	10113.1	11145.9	11517.3	12240.5	12761.3	13282.0	12712.6	10002.7
60°	9713.6	9622.7	9787.2	10799.5	12118.2	12548.0	13219.2	13323.2	13737.8	12828.4	9929.0
62.5°	10105.5	10051.4	10296.1	11533.5	13204.1	13626.3	13958.7	13834.2	14122.2	12918.3	9756.9
65°	10520.2	10523.4	10918.6	12389.9	14358.2	14642.9	14671.1	14496.8	14443.7	12899.9	9174.4
67.5°	11081.0	11133.0	11792.3	13552.7	15480.9	15700.7	15698.5	15214.6	14678.7	12168.0	7882.8
70°	11674.3	11796.6	12799.2	14883.3	16706.5	16929.5	16814.7	15671.5	13821.2	9839.2	5578.9
72.5°	11574.7	11786.9	13358.9	15722.3	17586.7	17756.6	17010.7	14548.7	10924.0	5718.6	2375.3
75°	8929.8	9175.5	12249.2	14890.9	16663.2	16510.5	14615.9	11321.3	5969.8	1595.8	534.8
77.5°	4717.1	4848.1	8091.8	11344.1	12993.0	12673.6	10296.1	6280.5	1819.9	395.2	240.3
80°	2470.6	2500.9	3526.2	6436.4	8019.2	8021.4	6101.9	2758.6	750.3	202.5	161.3
82.5°	1323.0	1349.0	1863.3	2974.1	4201.8	3808.8	2336.4	1517.9	436.3	114.8	154.8
85°	318.3	323.7	1056.7	1358.7	1652.1	1180.1	694.0	1274.3	118.0	67.1	125.6
87.5°	122.3	124.5	391.9	587.9	421.2	272.8	324.8	475.3	15.2	26.0	19.5
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: P324001
CATALOG NUMBER: GLEON-SA7B-830-U-SL4-HSS

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	4794.0	4794.0	4794.0	4794.0	4794.0	4794.0	4794.0	4794.0	4794.0	4794.0	4794.0
2.5°	4746.4	4718.2	4648.9	4561.2	4483.3	4427.0	4342.5	4287.3	4250.5	4249.4	4235.4
5°	4626.2	4568.8	4419.4	4241.8	4080.5	3935.5	3764.4	3629.1	3528.4	3512.1	3477.5
7.5°	4497.4	4403.2	4173.6	3896.5	3625.8	3350.8	3031.4	2833.3	2663.3	2582.1	2573.5
10°	4418.3	4286.2	3960.4	3559.8	3135.4	2688.2	2270.3	1981.3	1772.3	1712.8	1668.4
12.5°	4402.1	4227.8	3795.8	3243.6	2637.4	2046.2	1583.9	1276.5	1109.7	1056.7	1042.6
15°	4418.3	4200.7	3657.2	2930.8	2132.8	1451.8	1063.2	884.5	821.7	806.6	805.5
17.5°	4428.1	4168.2	3500.2	2583.2	1643.5	1037.2	814.2	762.2	752.4	751.4	753.5
20°	4427.0	4118.4	3312.9	2195.6	1222.3	815.2	736.2	725.4	723.2	724.3	723.2
22.5°	4419.4	4060.0	3107.2	1796.1	923.5	728.6	702.6	696.1	695.1	695.1	695.1
25°	4433.5	4013.4	2880.9	1413.9	761.1	688.6	672.3	666.9	665.8	665.8	663.7
27.5°	4484.4	3987.4	2633.0	1088.1	687.5	652.8	639.9	638.8	635.5	634.4	636.6
30°	4566.6	3987.4	2361.3	846.6	643.1	616.0	606.3	604.1	603.0	602.0	603.0
32.5°	4711.7	4017.7	2064.6	703.7	600.9	574.9	568.4	571.6	568.4	568.4	568.4
35°	4973.7	4108.7	1753.9	613.9	556.5	534.8	528.3	532.7	530.5	530.5	529.4
37.5°	5355.9	4277.6	1441.0	559.7	517.5	494.8	486.1	492.6	490.4	490.4	489.4
40°	5821.4	4523.3	1143.3	518.6	479.6	455.8	448.2	451.5	446.1	446.1	448.2
42.5°	6396.3	4835.1	883.4	478.5	441.7	419.0	414.7	411.4	401.7	396.3	397.3
45°	7035.1	5159.9	688.6	439.6	406.0	387.6	381.1	372.4	356.2	345.4	346.5
47.5°	7605.7	5410.0	559.7	401.7	373.5	359.4	349.7	333.5	309.6	296.6	297.7
50°	7905.6	5447.9	476.4	363.8	343.2	329.1	315.1	290.2	262.0	247.9	246.8
52.5°	7982.4	5270.4	414.7	329.1	312.9	296.6	278.2	244.7	213.3	198.1	196.0
55°	8010.6	4999.7	359.4	296.6	280.4	262.0	238.2	200.3	171.1	155.9	154.8
57.5°	7917.5	4595.9	316.1	267.4	247.9	225.2	196.0	160.2	132.1	120.2	120.2
60°	7710.7	4049.1	282.6	236.0	214.4	188.4	158.1	124.5	98.5	88.8	88.8
62.5°	7298.2	3341.1	251.2	203.5	183.0	155.9	127.8	94.2	69.3	63.9	65.0
65°	6519.8	2534.5	219.8	174.3	155.9	128.8	99.6	67.1	46.6	46.6	48.7
67.5°	5316.9	1760.4	187.3	148.3	134.2	105.0	75.8	46.6	32.5	36.8	41.1
70°	3519.7	987.4	160.2	122.3	114.8	83.4	56.3	31.4	26.0	34.6	42.2
72.5°	*1328.4*	*384.3*	*134.2*	*98.5*	*99.6*	*63.9*	*40.1*	*23.8*	*23.8*	*37.9*	*49.8*
75°	370.3	188.4	96.4	72.5	78.0	46.6	29.2	20.6	22.7	43.3	58.5
77.5°	217.6	138.6	62.8	42.2	53.1	32.5	19.5	16.2	19.5	36.8	56.3
80°	175.4	73.6	36.8	21.7	29.2	18.4	13.0	9.7	5.4	14.1	29.2
82.5°	175.4	44.4	17.3	15.2	15.2	9.7	6.5	4.3	1.1	0.0	7.6
85°	118.0	18.4	10.8	9.7	7.6	3.2	2.2	1.1	0.0	0.0	0.0
87.5°	19.5	7.6	4.3	2.2	1.1	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

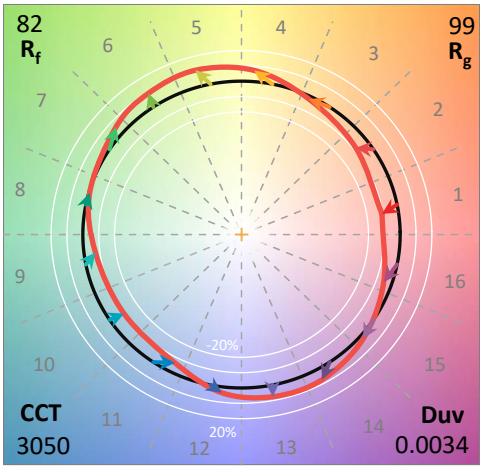
Test Information

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

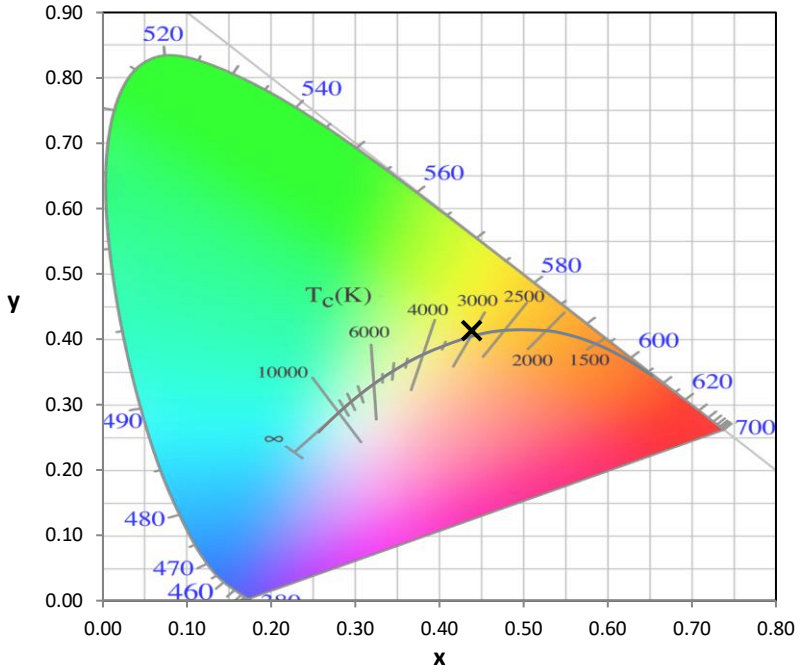
Stabilization Time:	20M
Operation Time:	1H 20M
Sphere Temperature (°C):	24.2

REPORT NUMBER: SP1-2408-195-9

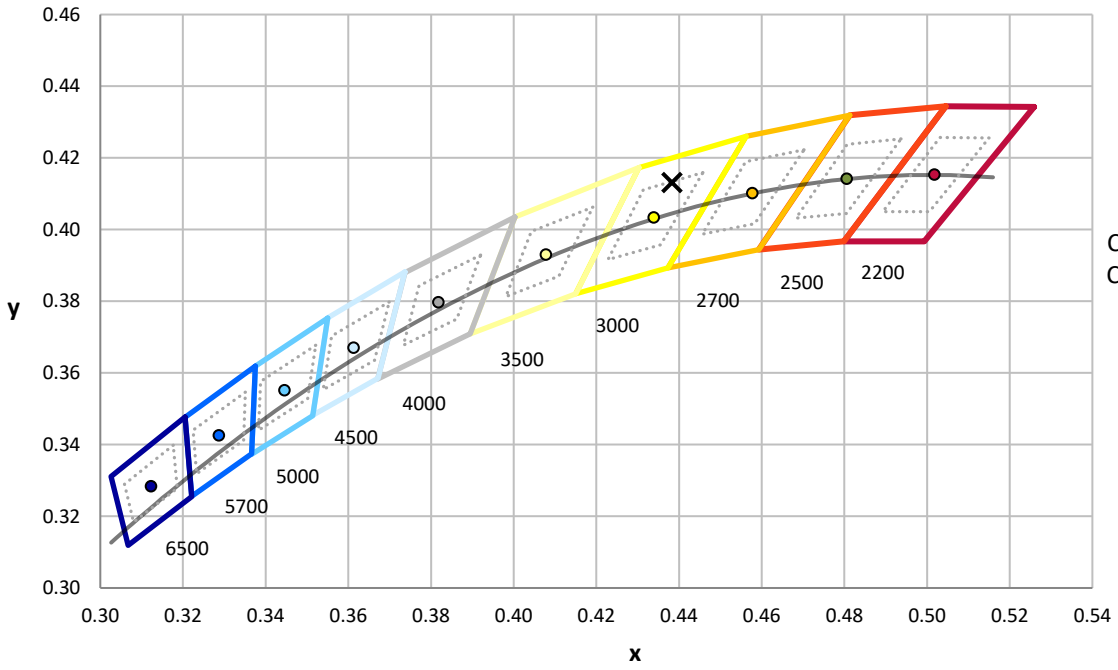
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

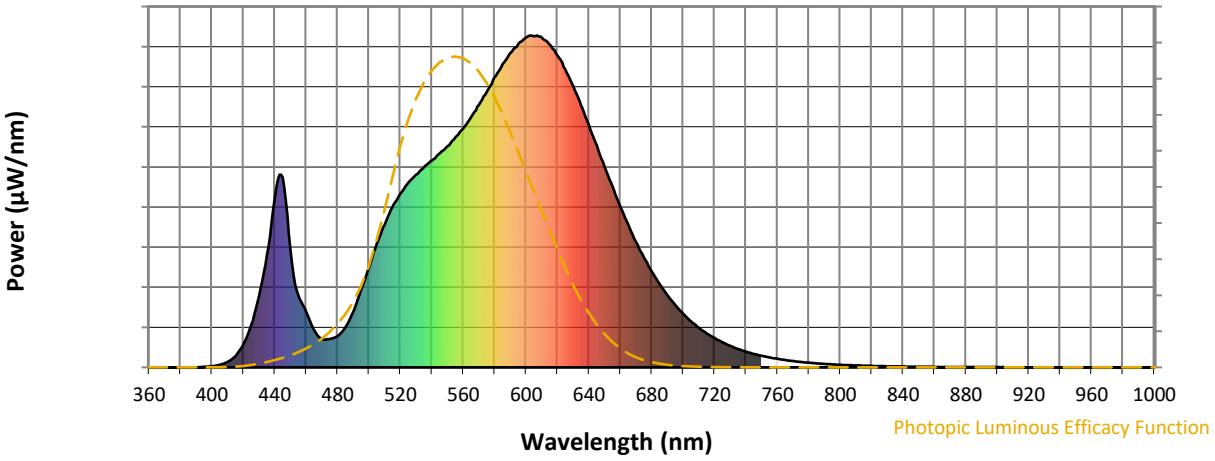


CCT = 3050K
CIE x = 0.4383
CIE y = 0.4131
Duv = 0.0034

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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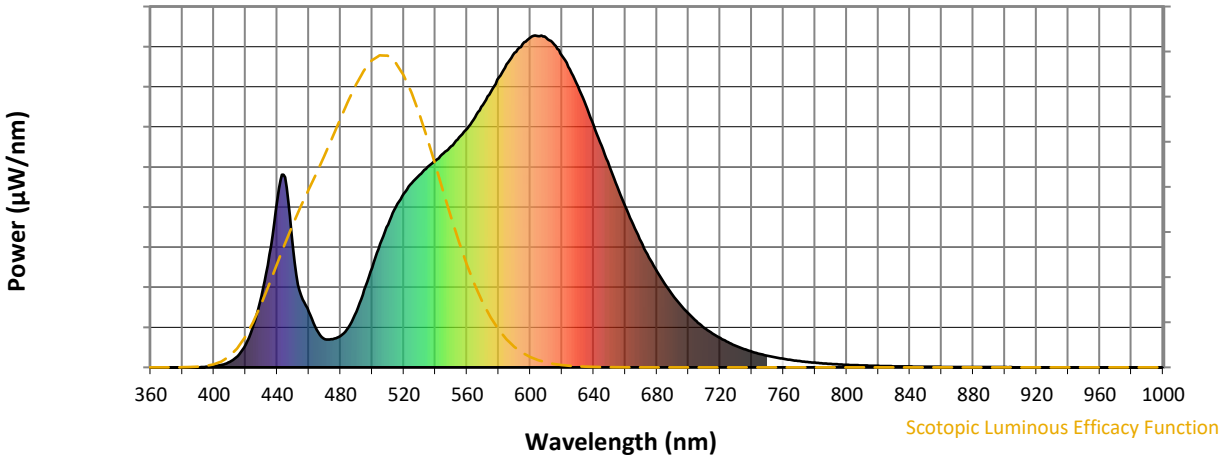
Scotopic Flux vs. Wavelength



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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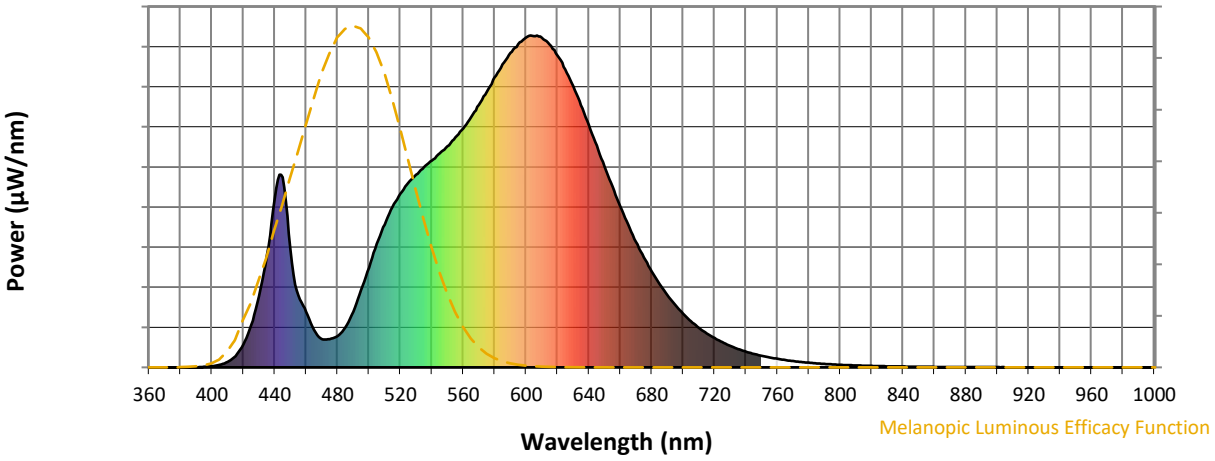
Melanopic Flux vs. Wavelength



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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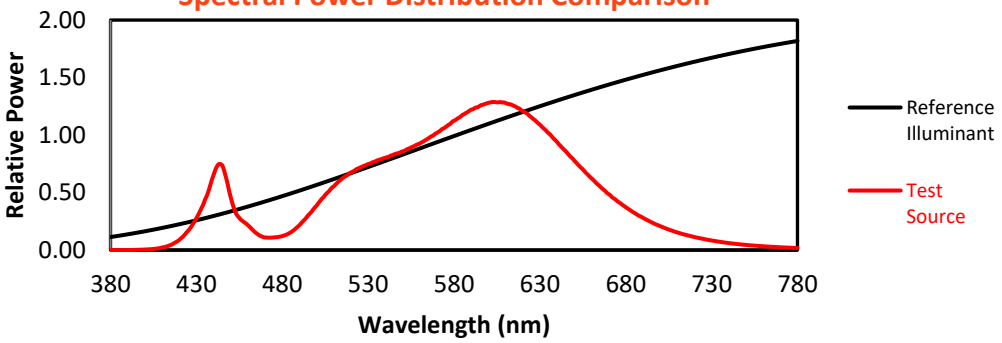
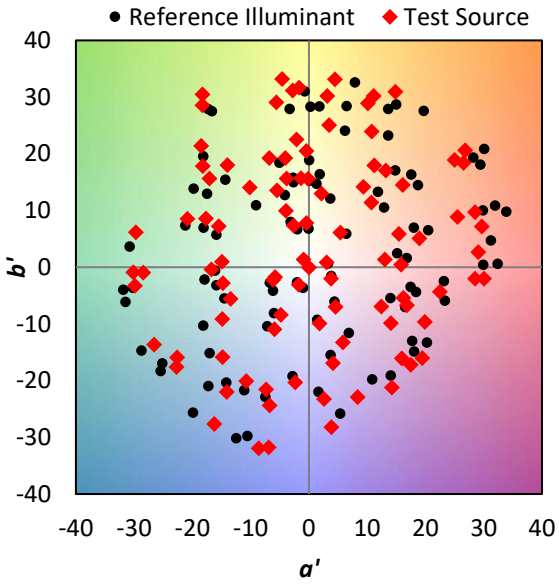
Summary

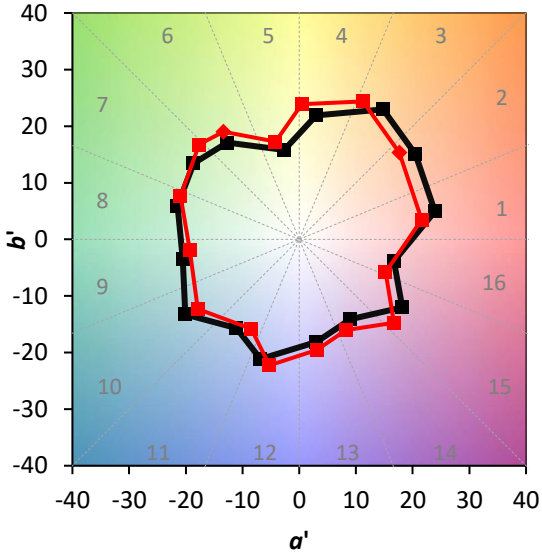
R_f = 81.5
R_g = 99.2
CIE R_a = 81.0
R_9 = 7.1

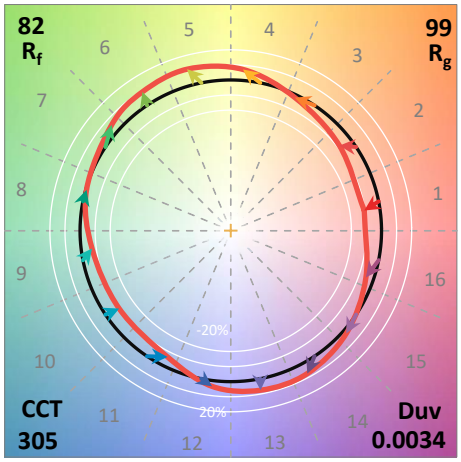
Spectral Power Distribution Comparison

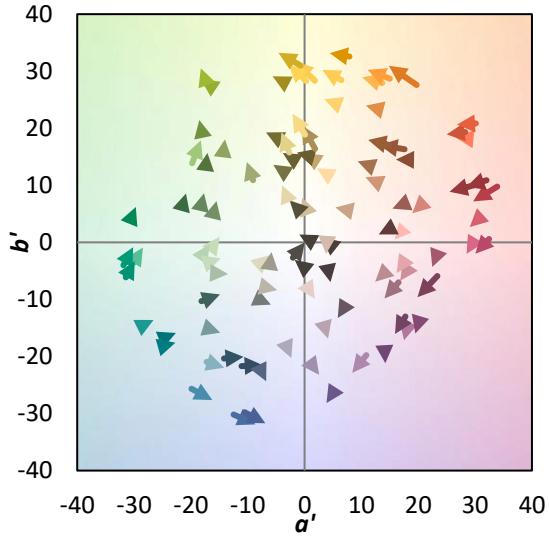


Color Vector Graphics









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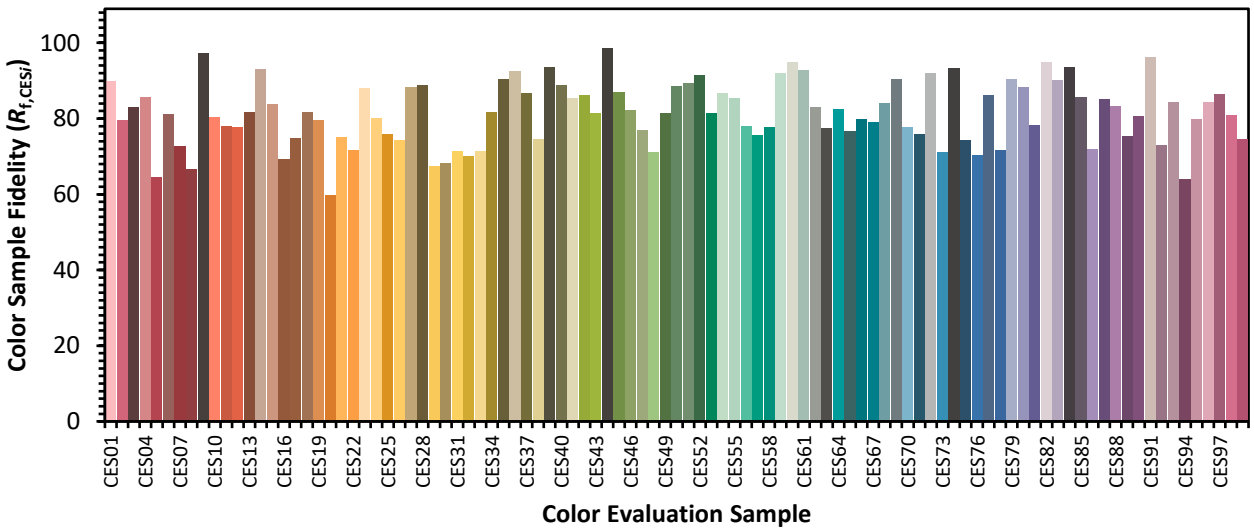
Individual Sample Fidelity Index ($R_{f,i}$)

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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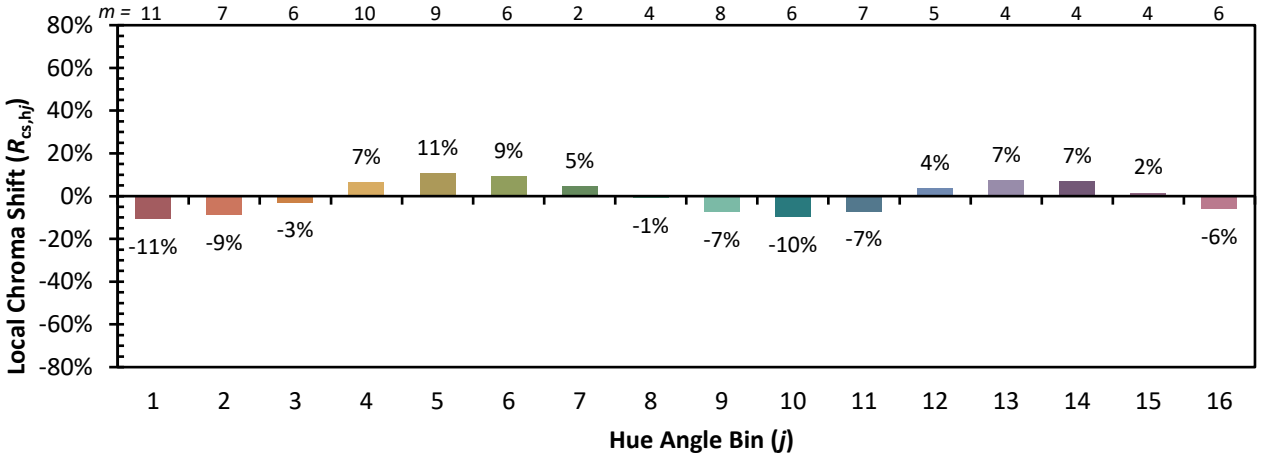
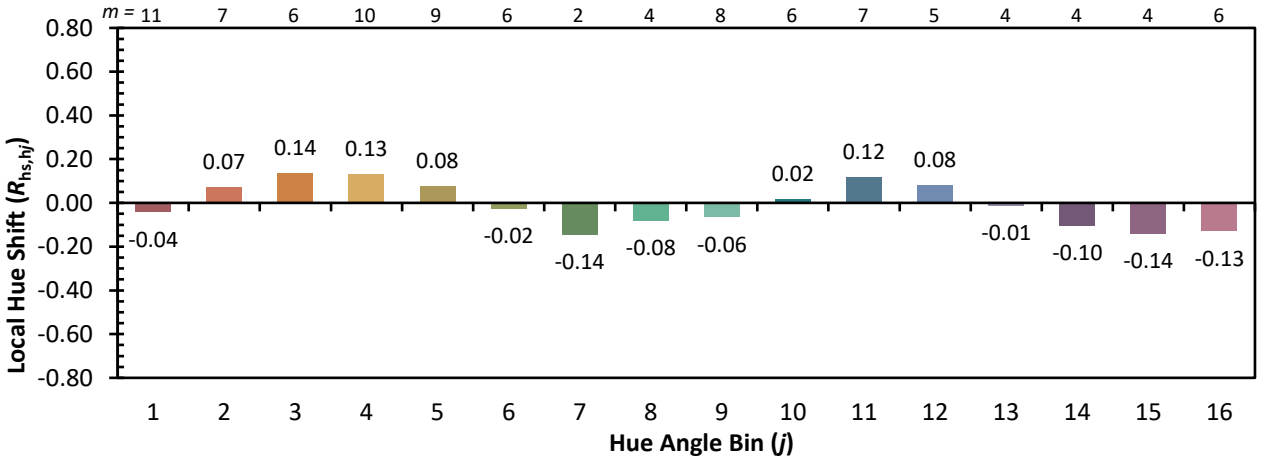
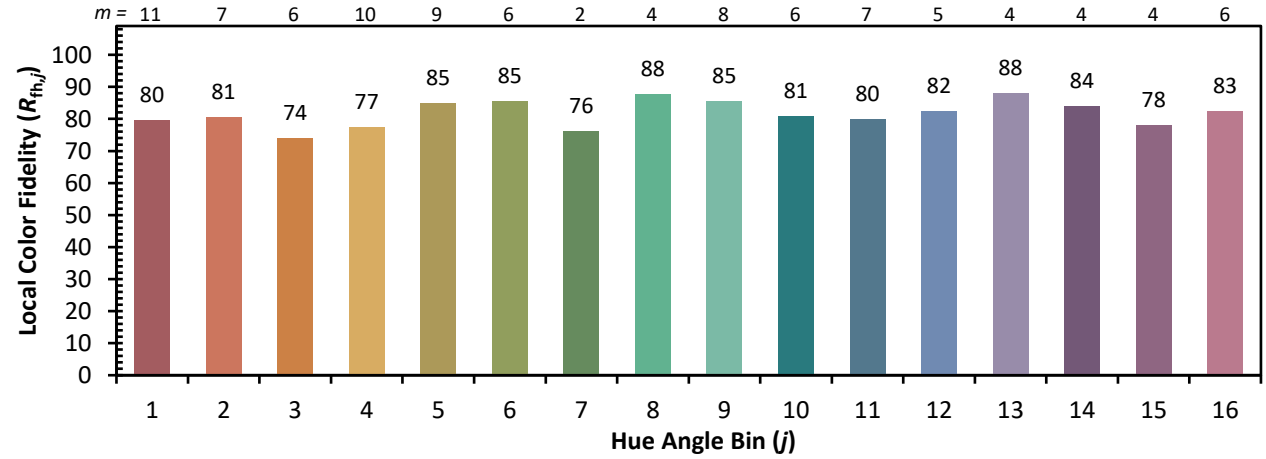
Color Rendition by Hue-Angle Bin







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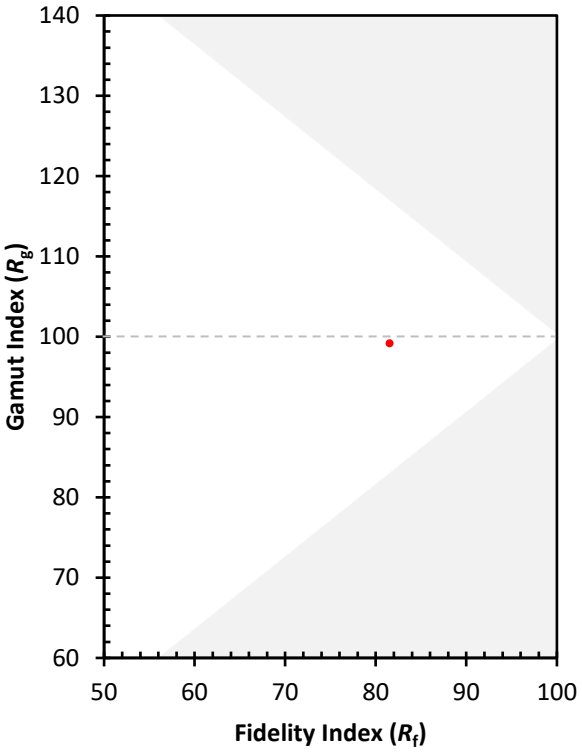
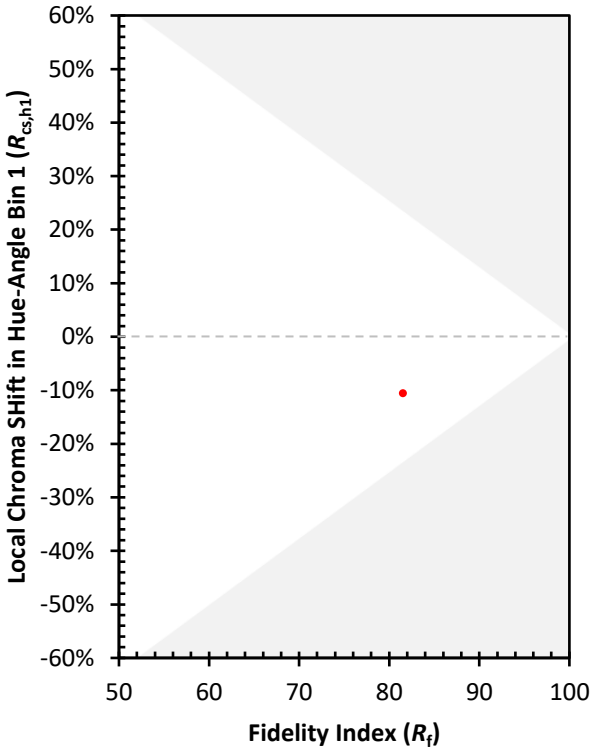
Measure Comparisons





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