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: P321764

Luminaire Tested: **GLEON-SA0B-830-U-T3R-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:	P321764
	TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-11)
Test Lab:	INNOVATION CENTER
Issue Date:	3/3/2020
Manufacturer:	COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line:	McGRAW-EDISON
Catalog Number:	GLEON-SA0B-830-U-T3R-HSS
Description:	GALLEON AREA AND ROADWAY LUMINAIRE
	(10) 80 CRI, 3000K, 800mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III ROADWAY OPTICS WITH HOUSE SIDE SHIELD
Light Source:	-
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	34569 lumens
Efficiency:	N/A
Efficacy:	82.5 lumens/watt
Luminous Opening:	Rectangular (W 2.5' x L: 1' x H: 0')
IES Classification:	Type III - Medium
BUG Rating:	B3 - U0 - G5

Input Watts (W):	419
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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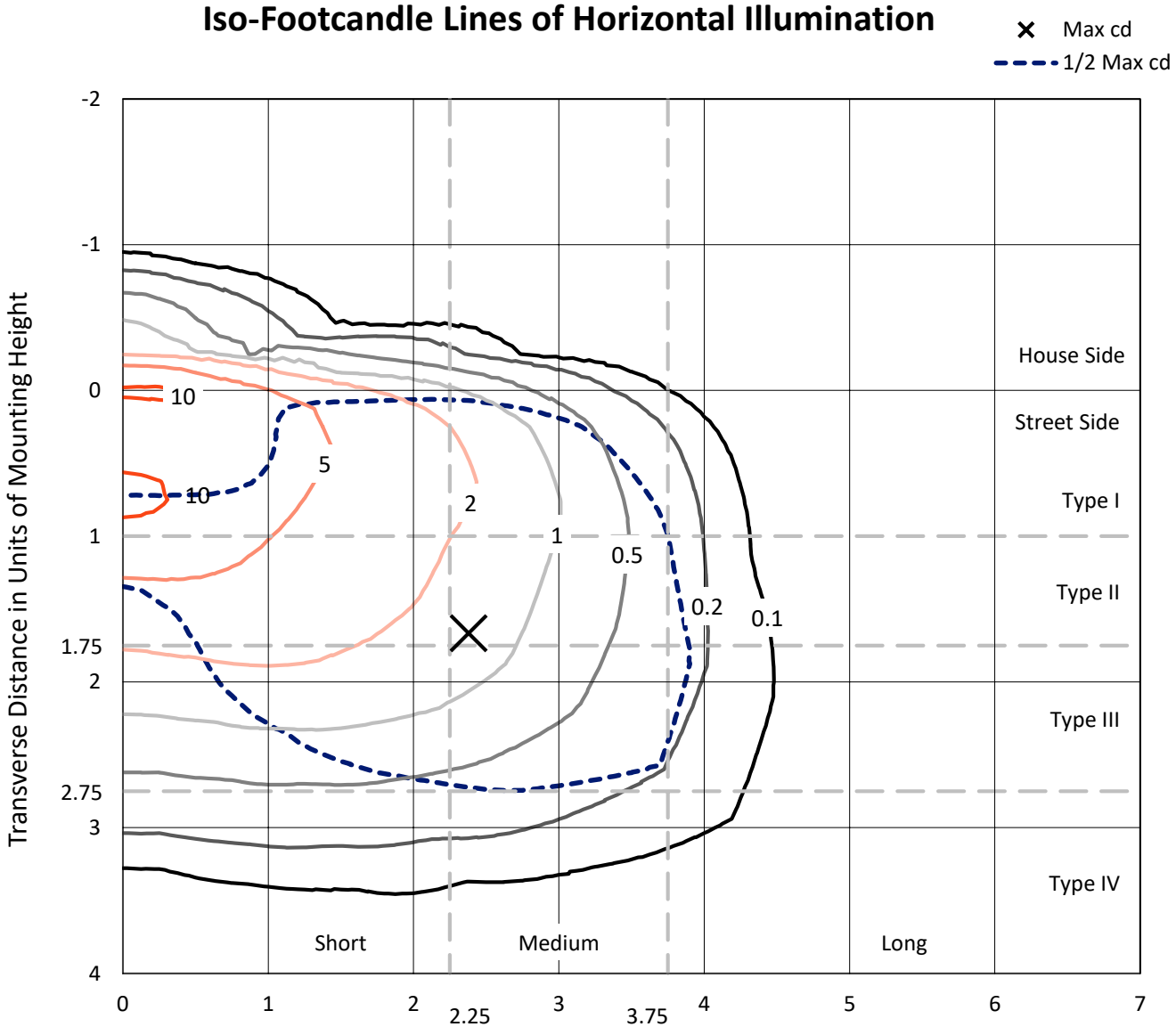
Scaled Data Report

REPORT NUMBER: P321764
CATALOG NUMBER: GLEON-SA0B-830-U-T3R-HSS

Iso-Footcandle Lines of Horizontal Illumination



Based on 25 foot mounting height. Maximum calculated value = 10.9 fc
Type III - Medium - N/A

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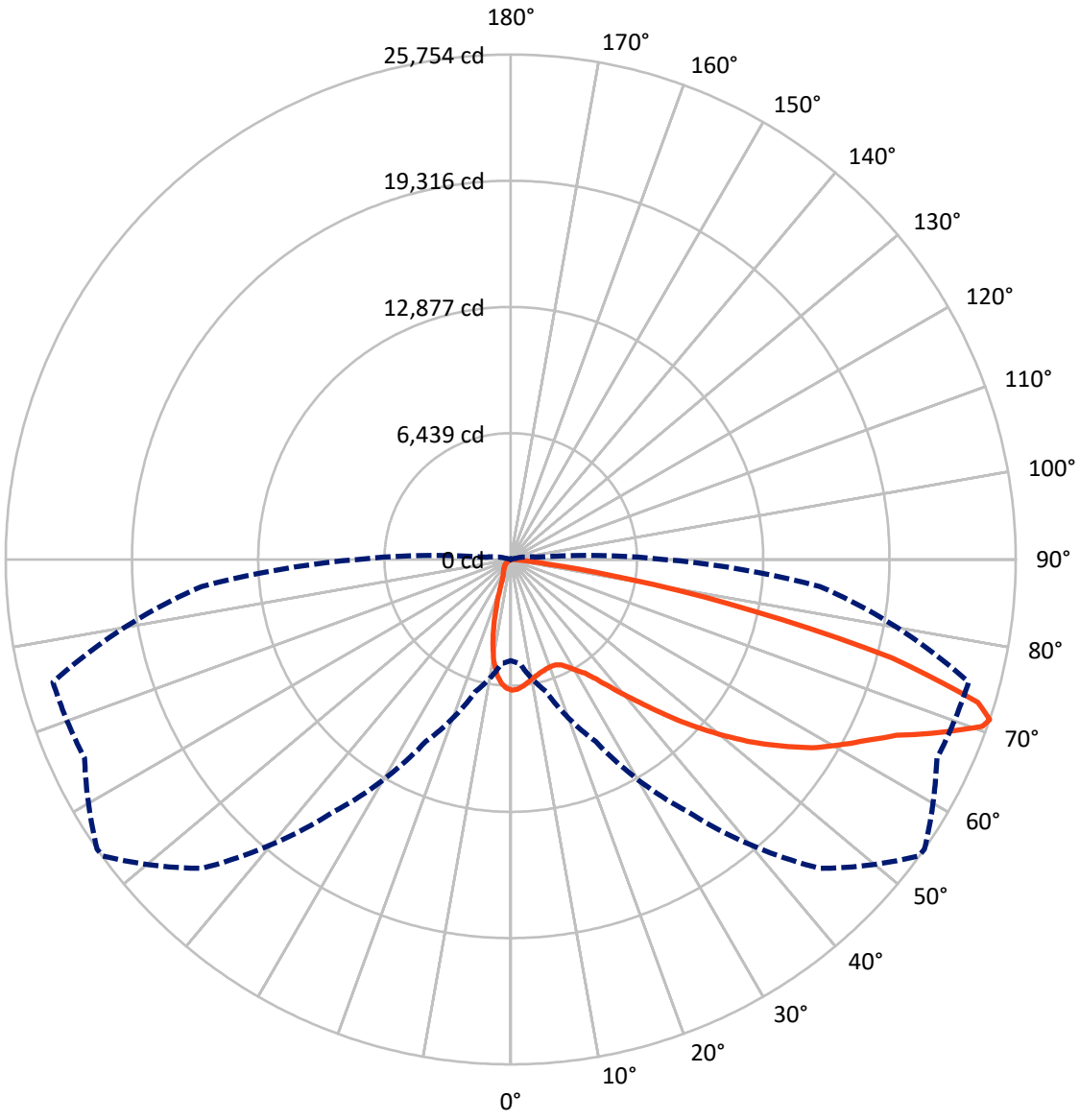
Luminous Intensity Polar Plot



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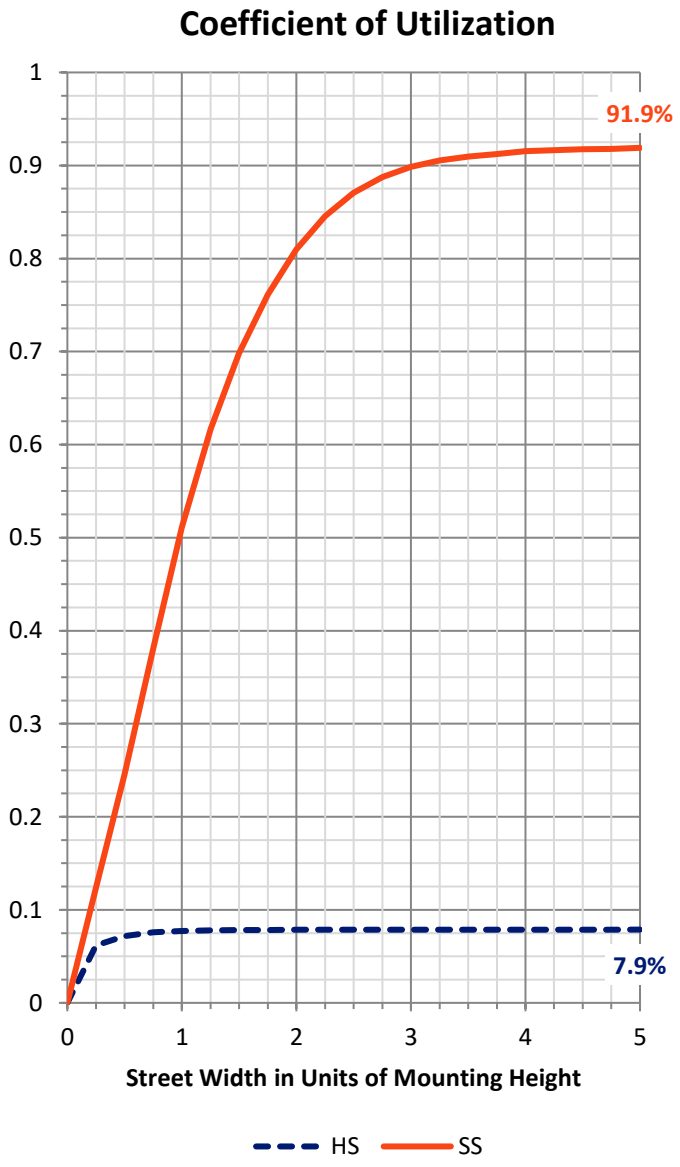
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2736.9	0.0	2736.9
	% Fixture	7.9	0.0	7.9
Street Side	Lumens	31832.1	0.0	31832.1
	% Fixture	92.1	0.0	92.1
Total	Lumens	34569.0	0.0	34569.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	568.4	1.6
10°-20°	1283.3	3.7
20°-30°	2062.3	6.0
30°-40°	3503.9	10.1
40°-50°	5438.5	15.7
50°-60°	7311.9	21.2
60°-70°	8944.9	25.9
70°-80°	5229.9	15.1
80°-90°	226.1	0.7
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°	34569.0	100.0
0°-180°	34569.0	100.0



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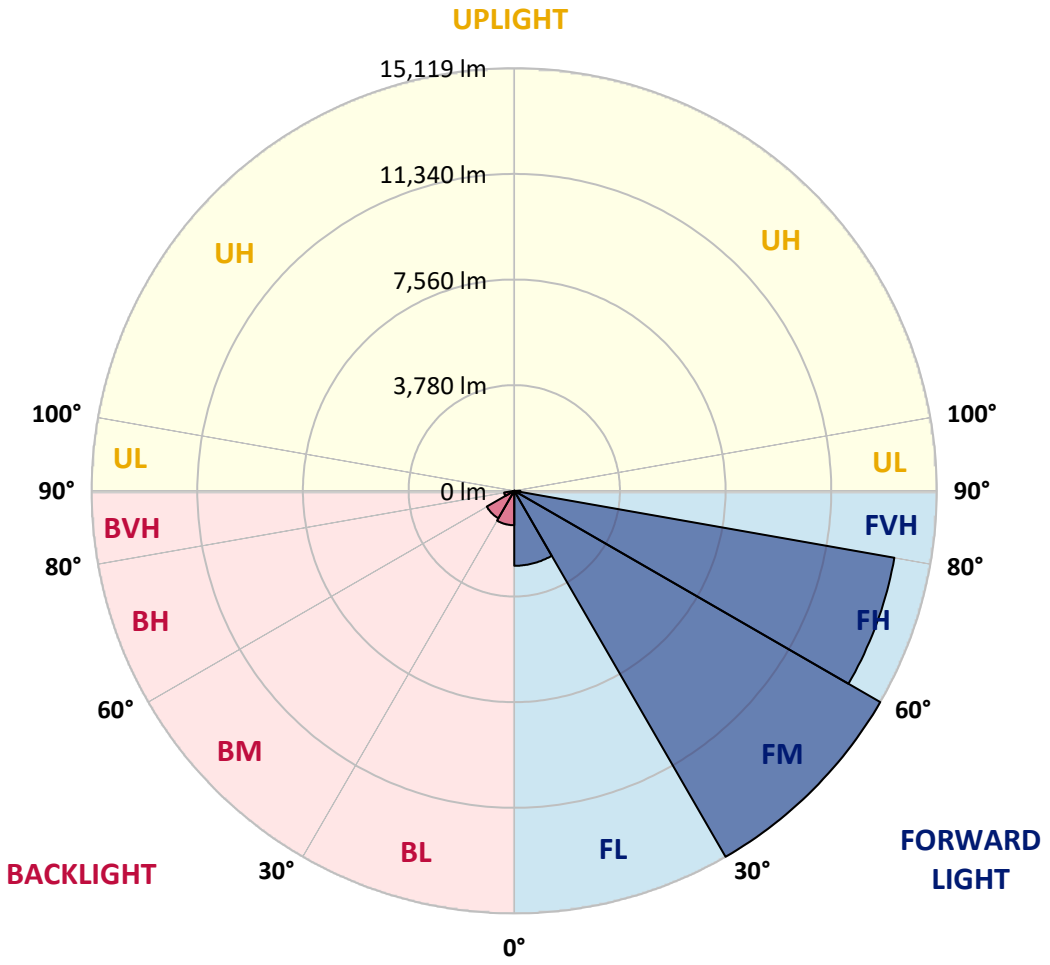
LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	2682.1	7.8			
FM	(30°-60°)	15119.5	43.7			
FH	(60°-80°)	13808.0	39.9			G5
FVH	(80°-90°)	222.5	0.6			G2/225
BL	(0°-30°)	1231.9	3.6	B3/2500		
BM	(30°-60°)	1134.8	3.3	B2/2500		
BH	(60°-80°)	366.7	1.1	B1/500		G1/500
BVH	(80°-90°)	3.6	0.0			G0/10
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G5
Type III Medium



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REPORT NUMBER: P321764
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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	54°	55°	65°	75°	85°
0°	6666.8	6666.8	6666.8	6666.8	6666.8	6666.8	6666.8	*6666.8*	6666.8	6666.8	6666.8
2.5°	6471.2	6478.9	6506.9	6519.3	6548.8	6598.5	6623.3	*6624.8*	6665.2	6680.7	6693.1
5°	6013.3	6059.8	6106.4	6156.1	6246.1	6365.6	6483.6	*6494.5*	6624.8	6721.1	6772.3
7.5°	5619.0	5660.9	5716.8	5796.0	5923.2	6111.1	6308.2	*6331.5*	6578.3	6797.1	6912.0
10°	5213.9	5248.0	5328.7	5445.2	5620.6	5872.0	6137.5	*6176.3*	6536.4	6899.6	7101.4
12.5°	4780.8	4801.0	4898.8	5066.4	5324.1	5643.8	5993.1	*6044.3*	6510.0	7017.6	7324.9
15°	4451.7	4461.1	4554.2	4728.0	5023.0	5439.0	5881.3	*5943.4*	6516.2	7158.8	7568.6
17.5°	4367.9	4372.6	4422.3	4541.8	4802.5	5255.8	5792.9	*5868.9*	6534.8	7297.0	7813.8
20°	4707.9	4675.3	4624.0	4605.4	4717.2	5145.6	5740.1	*5825.5*	6559.7	7419.6	8034.3
22.5°	5640.7	5544.5	5331.9	5047.8	4875.5	5153.3	5754.1	*5839.4*	6638.8	7570.1	8288.8
25°	7025.3	6891.8	6530.2	5971.4	5434.3	5376.9	5870.5	*5957.4*	6792.5	7750.2	8532.5
27.5°	8600.8	8468.9	8026.5	7228.7	6312.9	5819.2	6137.5	*6218.2*	7020.7	7910.1	8718.8
30°	10109.6	10072.3	9550.8	8644.3	7418.0	6536.4	6482.0	*6550.3*	7189.9	8006.3	8866.2
32.5°	11388.6	11329.6	10910.5	10028.8	8683.1	7397.8	6887.2	*6907.3*	7317.1	8130.5	9058.7
35°	12574.5	12501.5	12133.7	11300.1	9980.7	8450.2	7511.2	*7481.7*	7595.0	8380.4	9338.1
37.5°	13609.8	13676.6	13268.3	12475.1	11144.9	9544.6	8352.5	*8264.0*	8029.6	8787.1	9743.2
40°	14475.9	14475.9	14263.3	13602.0	12402.2	10676.1	9304.0	*9187.5*	8683.1	9414.2	10257.0
42.5°	14787.9	14854.7	14933.8	14559.8	13527.5	11852.7	10364.1	*10243.1*	9603.5	10303.6	10905.8
45°	14806.6	14912.1	15317.2	15315.7	14544.2	13021.5	11559.3	*11501.9*	10783.2	11446.0	11709.9
47.5°	14544.2	14676.2	15343.6	15722.4	15349.8	14109.6	12866.3	*12794.9*	12169.4	12846.1	12551.2
50°	14139.1	14285.0	15061.1	15882.2	15897.8	15056.5	14243.1	*14136.0*	13695.2	14446.4	13420.4
52.5°	13414.2	13696.7	14808.1	15919.5	16257.9	15874.5	15553.2	*15506.6*	15402.6	15987.8	14112.7
55°	11863.6	12177.1	14173.3	15931.9	16591.6	16599.4	16781.0	*16793.4*	17002.9	17428.2	14628.1
57.5°	11130.9	11307.9	13065.0	15990.9	17086.8	17422.0	18032.1	*18128.3*	18452.7	18795.7	15216.3
60°	10669.9	10879.5	12518.6	15910.2	17864.4	18500.8	19191.6	*19224.2*	19571.9	20206.7	16012.6
62.5°	10302.0	10508.5	12174.0	15599.7	18738.3	19798.5	20324.7	*20327.8*	20588.6	21887.8	16917.6
65°	9394.0	9567.8	11477.1	15250.5	19315.7	21082.2	21641.0	*21620.8*	21833.4	23660.4	17968.4
67.5°	8080.8	8214.3	10053.7	13926.5	19098.4	22249.4	23627.8	*23561.0*	23303.4	25192.4	18381.3
70°	6247.7	6295.8	7924.0	11605.9	17061.9	22698.0	25547.9	*25513.7*	24205.2	24917.7	16867.9
71°	*5164.2*	*5322.5*	*6983.4*	*10243.1*	*15697.5*	*22283.6*	*25734.1*	*25754.3*	*23978.6*	*24169.5*	*15826.4*
72.5°	2998.9	3133.9	5061.8	7866.6	13327.3	20554.4	24768.7	*24914.6*	22920.0	21984.0	13518.2
75°	642.6	687.6	1876.6	3807.6	7331.1	14406.1	19550.1	*20070.1*	18680.9	14955.6	8147.6
77.5°	447.0	482.7	804.0	1727.6	2423.0	7118.4	12144.5	*12731.3*	11160.4	5620.6	2607.7
80°	353.9	394.3	627.1	853.7	655.0	2295.7	5688.9	*6047.4*	3722.2	1254.2	439.3
82.5°	197.1	234.4	488.9	461.0	251.5	436.2	1592.6	*1800.6*	745.1	253.0	104.0
85°	57.4	69.8	315.1	335.3	107.1	83.8	271.6	*336.8*	141.3	66.7	46.6
87.5°	0.0	0.0	152.1	128.8	31.0	12.4	24.8	*27.9*	27.9	27.9	31.0
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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Scaled Data Report

REPORT NUMBER: P321764
CATALOG NUMBER: GLEON-SA0B-830-U-T3R-HSS

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	6666.8	6666.8	6666.8	6666.8	6666.8	6666.8	6666.8	6666.8	6666.8	6666.8	6666.8
2.5°	6693.1	6704.0	6665.2	6614.0	6559.7	6492.9	6423.1	6368.7	6367.2	6340.8	6314.4
5°	6775.4	6769.2	6662.1	6499.1	6306.6	6106.4	5915.5	5699.7	5628.3	5539.8	5510.4
7.5°	6927.5	6884.1	6657.4	6300.4	5878.2	5459.1	5026.1	4589.9	4403.6	4236.0	4206.5
10°	7118.4	7036.2	6628.0	6002.4	5227.9	4454.9	3801.4	3208.4	2947.7	2747.4	2738.1
12.5°	7317.1	7191.4	6545.7	5552.3	4375.7	3289.1	2536.3	1952.7	1735.4	1595.7	1608.1
15°	7525.1	7337.3	6368.7	4945.4	3405.6	2232.1	1558.4	1215.4	1128.5	1092.8	1102.1
17.5°	7737.8	7438.2	6121.9	4214.3	2447.8	1440.5	1078.8	982.6	982.6	990.3	993.4
20°	7922.5	7492.5	5758.7	3394.7	1659.3	1049.3	943.7	929.8	937.5	950.0	951.5
22.5°	8105.7	7495.6	5285.3	2564.3	1161.1	918.9	898.7	892.5	897.2	911.1	912.7
25°	8254.7	7458.4	4692.3	1823.9	926.7	866.1	856.8	853.7	856.8	873.9	873.9
27.5°	8315.2	7323.3	3969.0	1282.1	830.4	807.2	804.0	807.2	811.8	824.2	825.8
30°	8321.4	7087.4	3180.5	928.2	752.8	728.0	734.2	745.1	740.4	737.3	740.4
32.5°	8336.9	6814.2	2412.1	763.7	687.6	648.8	641.1	641.1	622.4	611.6	605.4
35°	8388.2	6492.9	1749.3	686.1	620.9	575.9	546.4	512.2	476.5	457.9	453.2
37.5°	8468.9	6156.1	1252.6	634.9	561.9	510.7	454.8	394.3	343.0	329.1	329.1
40°	8616.3	5808.4	926.7	594.5	515.3	451.7	367.9	288.7	242.1	234.4	234.4
42.5°	8849.2	5442.1	738.9	558.8	475.0	391.2	281.0	209.5	175.4	170.7	169.2
45°	9091.3	5038.5	645.7	524.6	431.5	321.3	208.0	155.2	135.0	130.4	130.4
47.5°	9333.5	4608.5	600.7	492.1	389.6	249.9	155.2	122.6	113.3	113.3	114.9
50°	9538.4	4159.9	568.1	456.4	335.3	189.4	122.6	104.0	100.9	107.1	108.7
52.5°	9589.6	3719.1	527.8	411.3	268.5	144.4	100.9	91.6	91.6	91.6	91.6
55°	9558.5	3377.6	475.0	355.5	198.7	114.9	86.9	80.7	79.2	79.2	79.2
57.5°	9664.1	3175.8	380.3	276.3	142.8	93.1	76.1	71.4	68.3	66.7	66.7
60°	9876.7	3043.9	271.6	198.7	107.1	77.6	65.2	60.5	55.9	52.8	52.8
62.5°	10159.2	2929.0	201.8	147.5	82.3	62.1	54.3	49.7	43.5	40.4	40.4
65°	10376.5	2724.1	153.7	110.2	62.1	49.7	41.9	40.4	31.0	27.9	26.4
67.5°	10044.4	2274.0	124.2	80.7	46.6	38.8	32.6	31.0	18.6	15.5	15.5
70°	8614.8	1583.3	99.3	59.0	34.1	31.0	26.4	20.2	14.0	12.4	12.4
71°	*7812.3*	*1322.5*	*90.0*	*49.7*	*29.5*	*29.5*	*24.8*	*17.1*	*12.4*	*10.9*	*10.9*
72.5°	6489.8	939.1	76.1	38.8	26.4	31.0	26.4	15.5	12.4	10.9	9.3
75°	3767.2	392.7	52.8	26.4	20.2	37.3	34.1	14.0	9.3	7.8	7.8
77.5°	1133.1	144.4	29.5	17.1	15.5	32.6	38.8	12.4	4.7	1.6	1.6
80°	206.4	62.1	18.6	10.9	10.9	20.2	29.5	6.2	0.0	0.0	0.0
82.5°	73.0	31.0	10.9	6.2	4.7	9.3	14.0	0.0	0.0	0.0	0.0
85°	41.9	21.7	6.2	3.1	0.0	1.6	3.1	0.0	0.0	0.0	0.0
87.5°	27.9	6.2	0.0	0.0	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

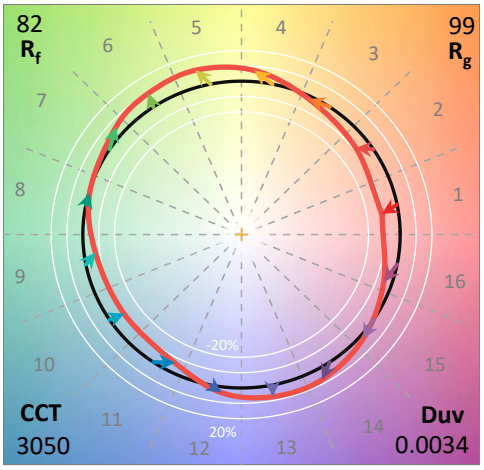
Test Information

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

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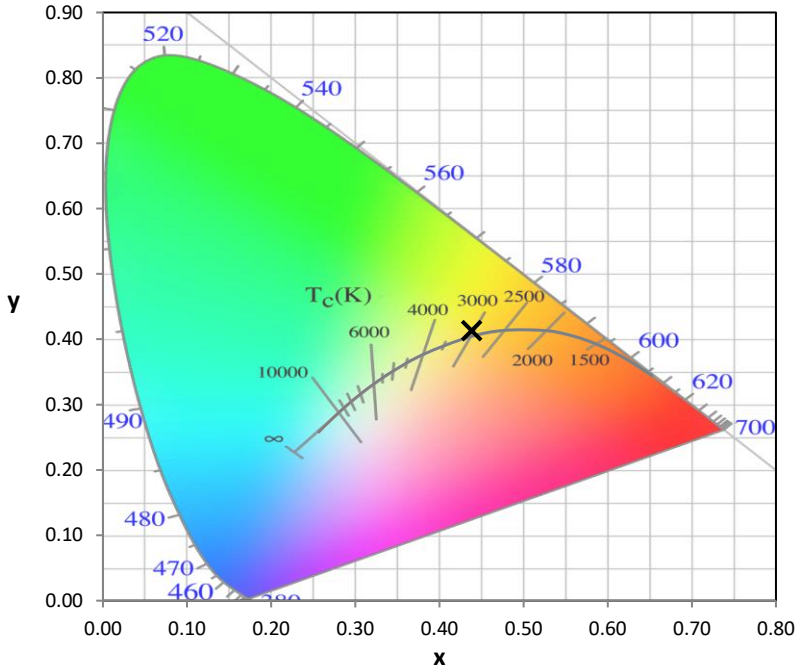
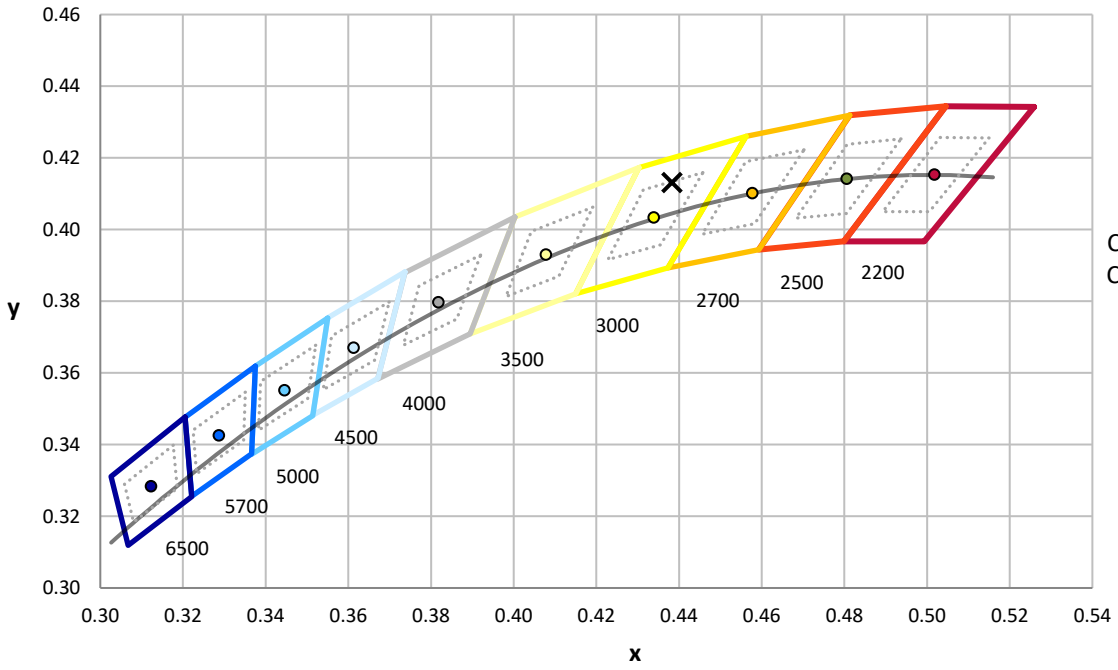
CIE 1931 Chromaticity Diagram



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

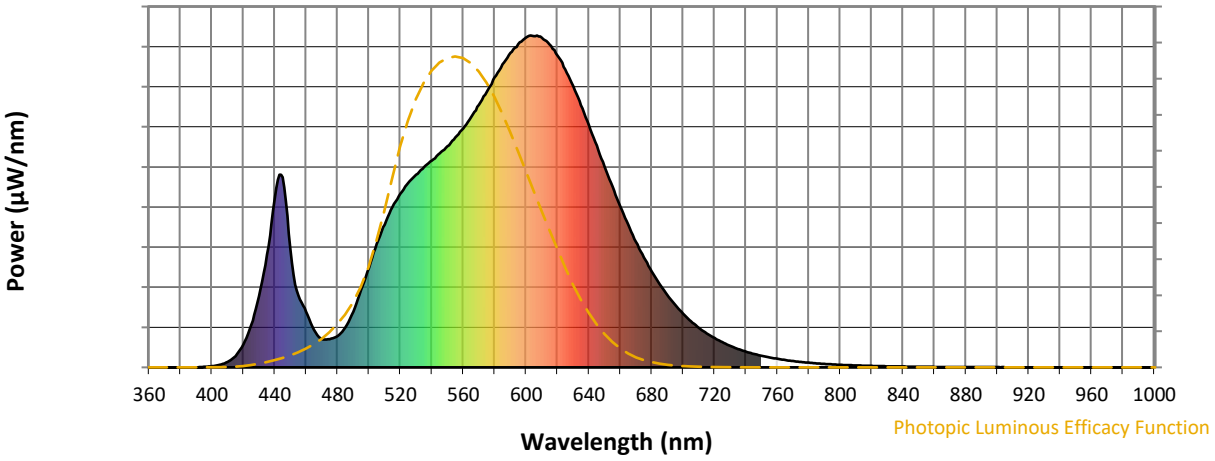


CCT = 3050K
CIE x = 0.4383
CIE y = 0.4131
Duv = 0.0034

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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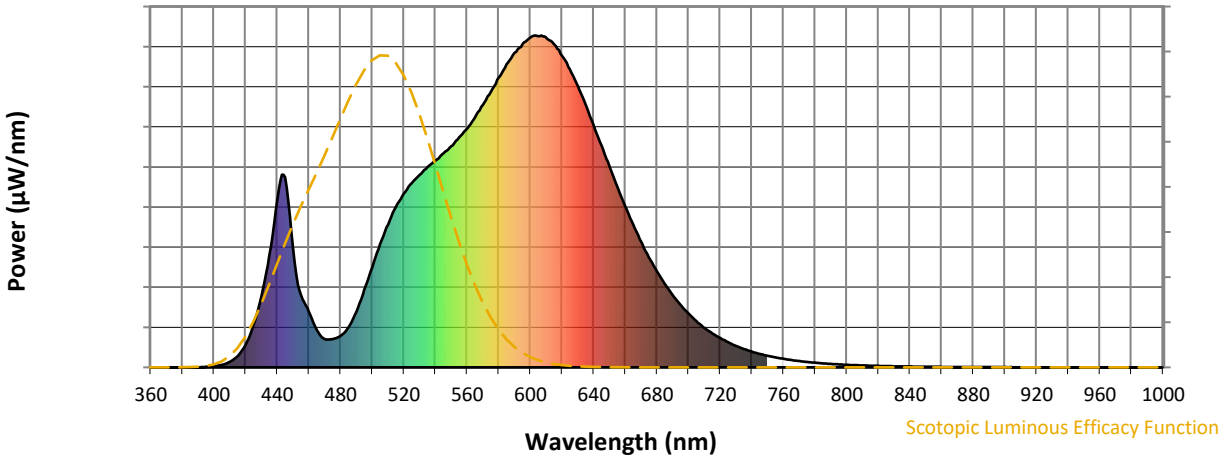
Scotopic Flux vs. Wavelength



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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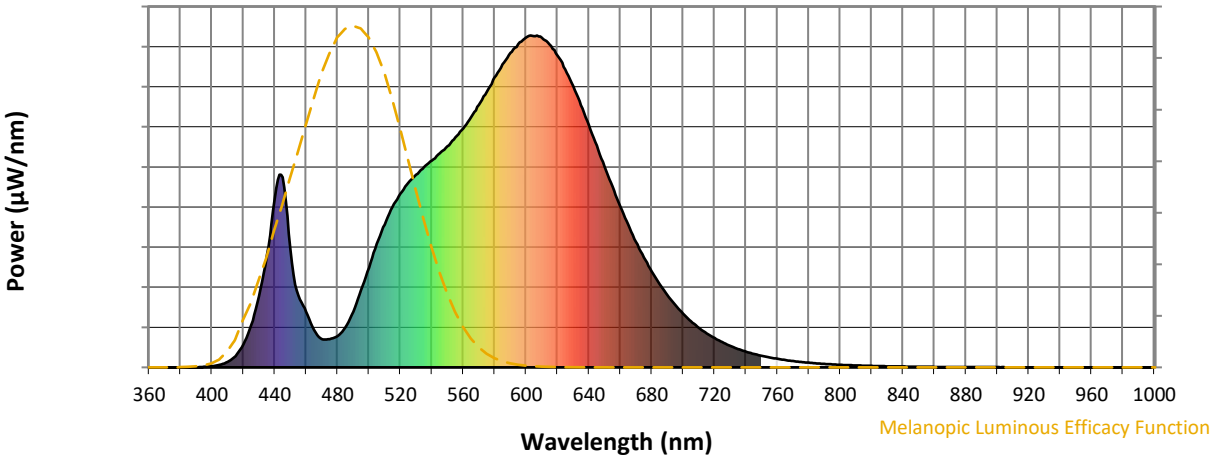
Melanopic Flux vs. Wavelength



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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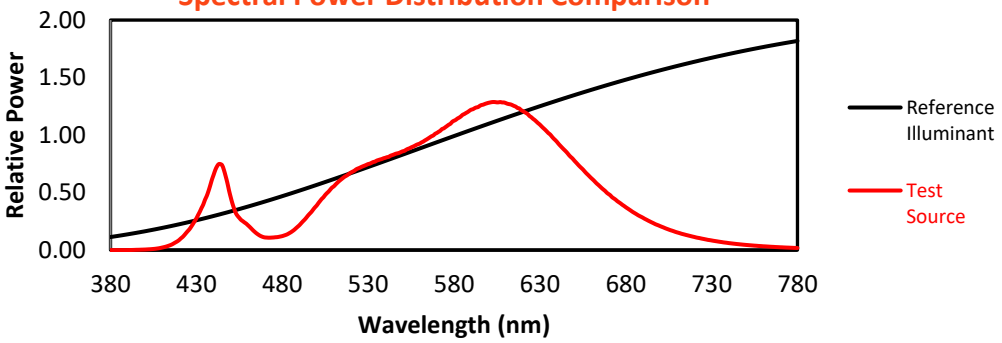
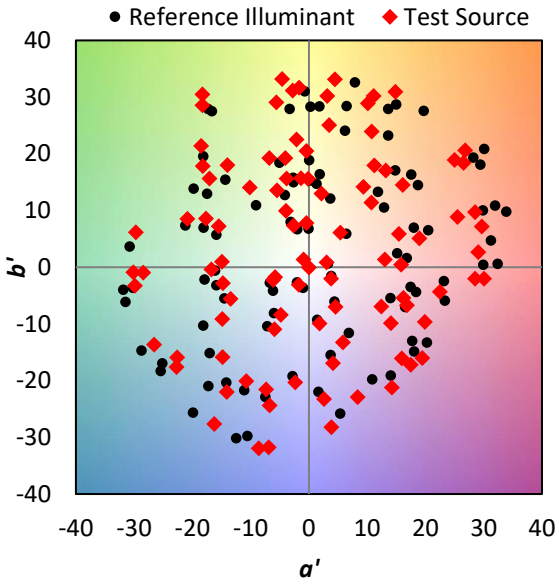
Summary

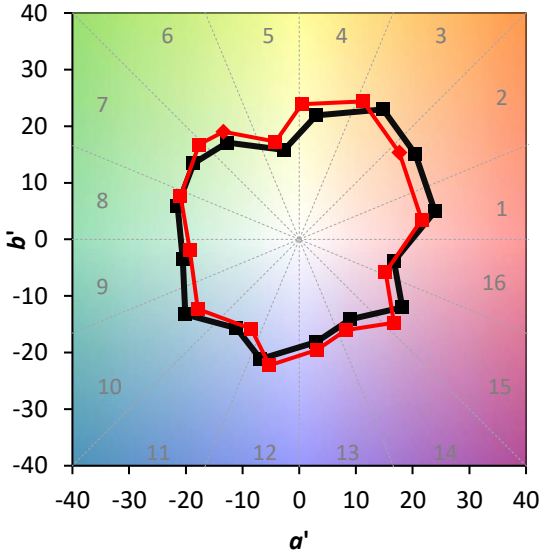
R_f = 81.5
R_g = 99.2
CIE R_a = 81.0
R_9 = 7.1

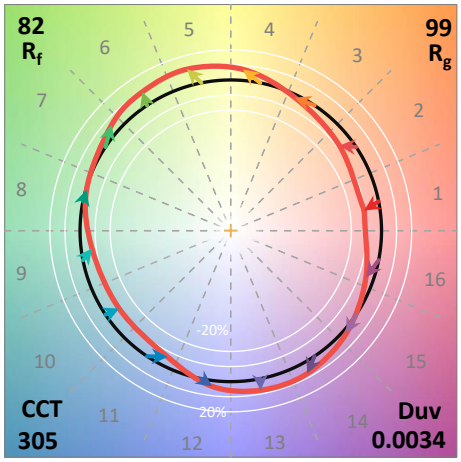
Spectral Power Distribution Comparison

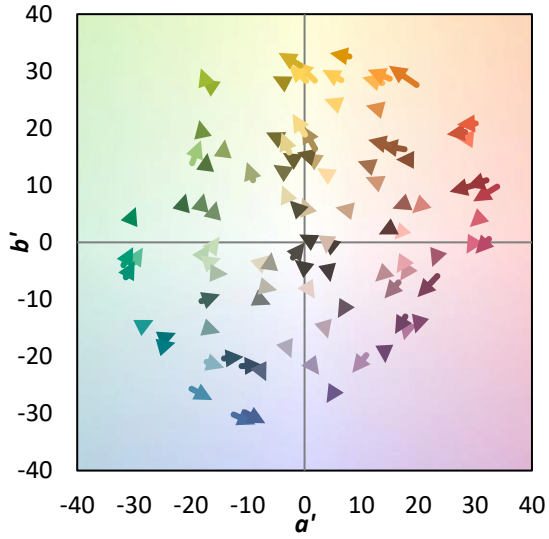


Color Vector Graphics









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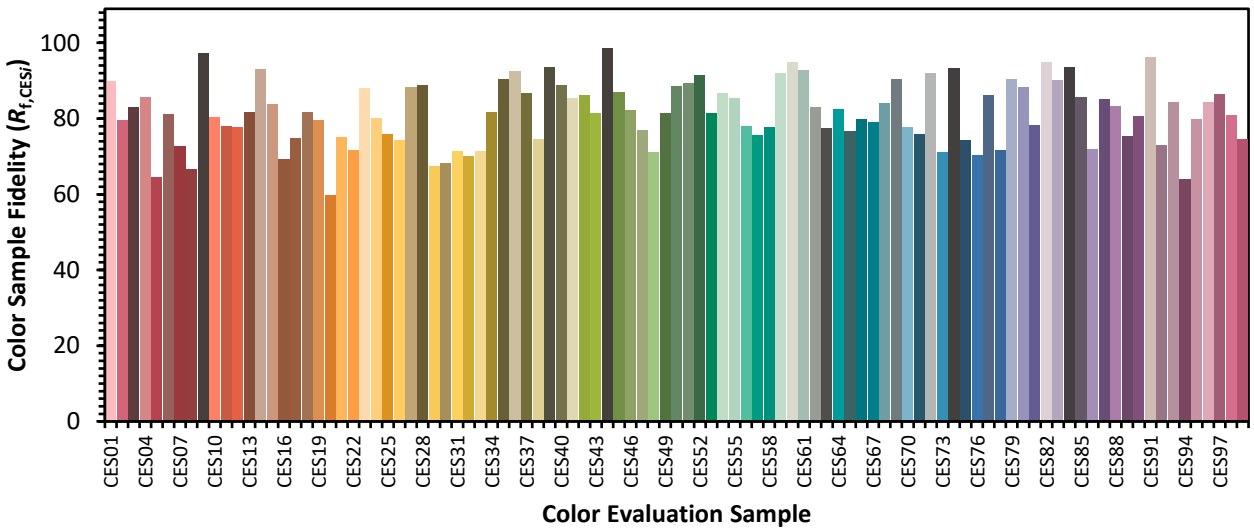
Individual Sample Fidelity Index ($R_{f,i}$)

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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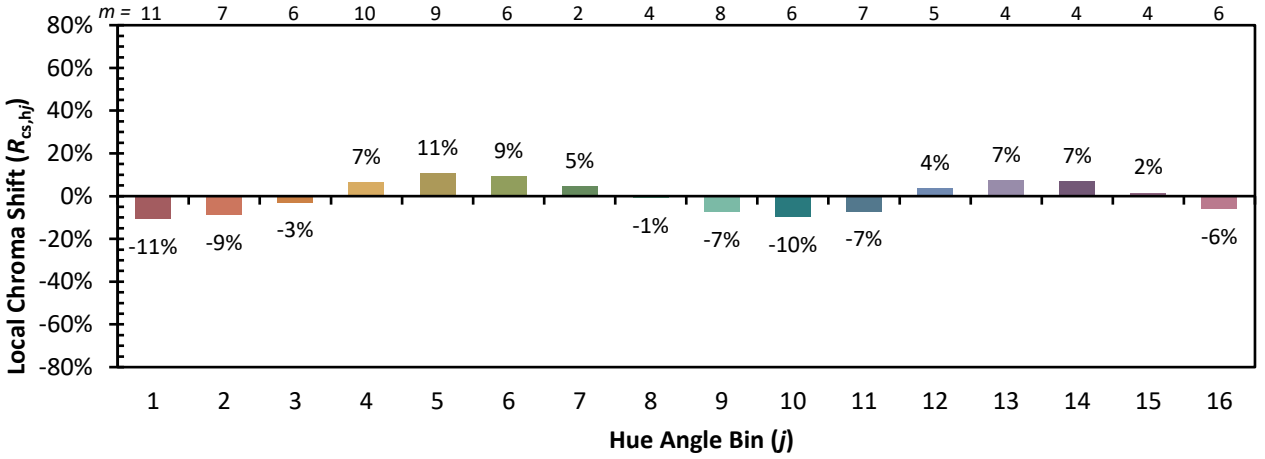
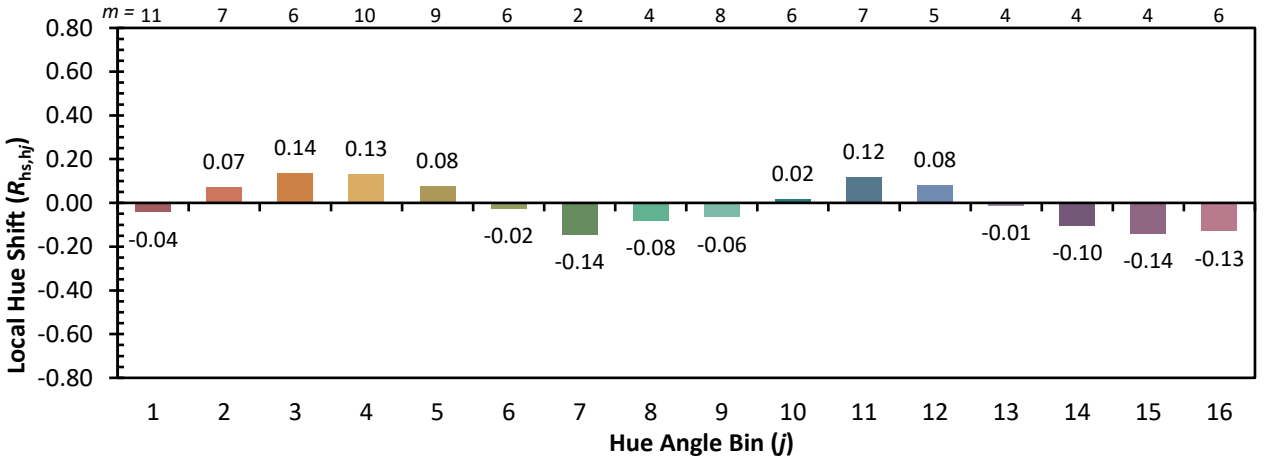
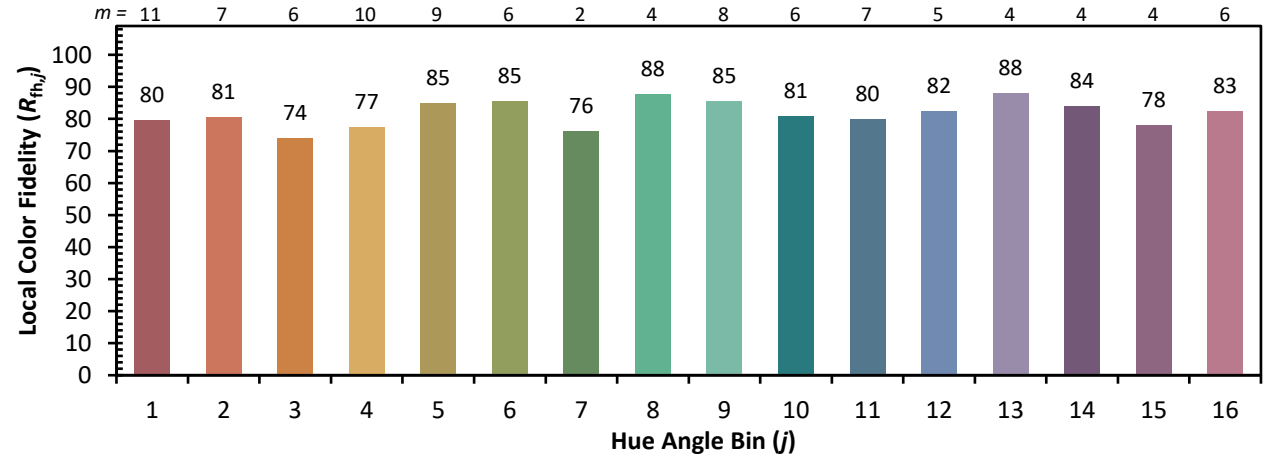
Color Rendition by Hue-Angle Bin







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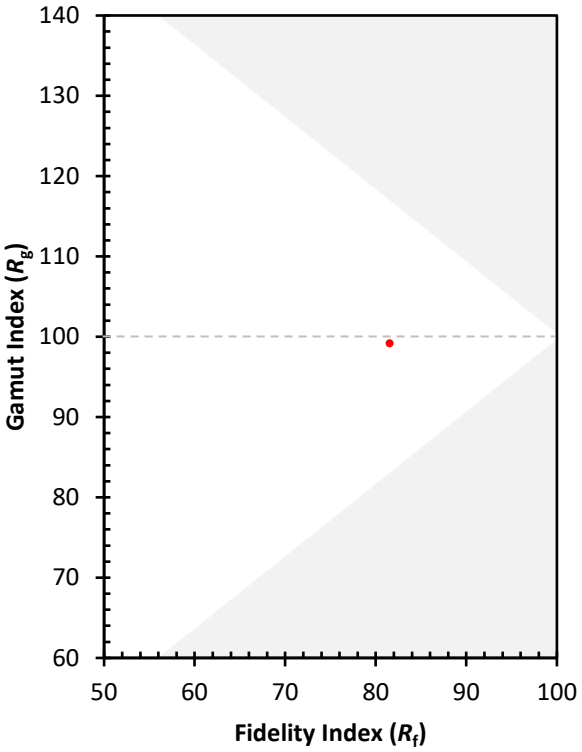
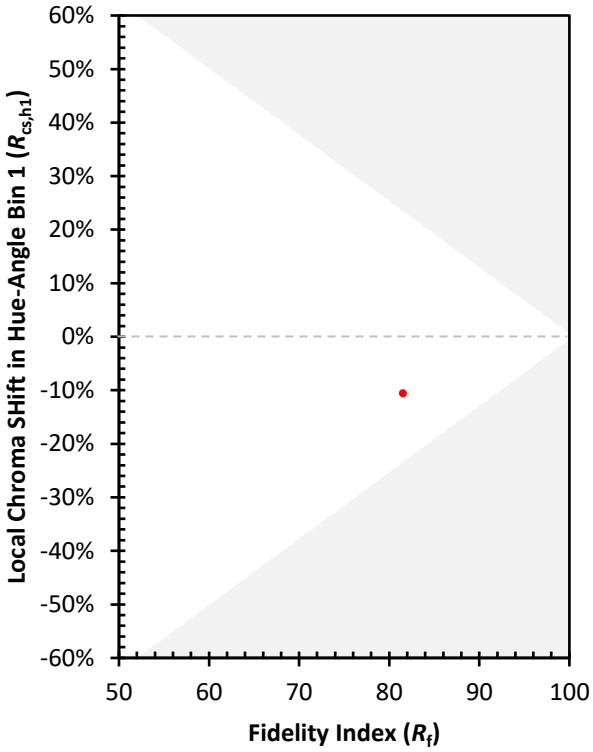
Measure Comparisons





(END OF REPORT)