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: P324972

Luminaire Tested: **GLEON-SA8C-830-U-AFL-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:	P324972
	TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-30)
Test Lab:	INNOVATION CENTER
Issue Date:	3/3/2020
Manufacturer:	COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line:	McGRAW-EDISON
Catalog Number:	GLEON-SA8C-830-U-AFL-HSS
Description:	GALLEON AREA AND ROADWAY LUMINAIRE
	(8) 80 CRI, 3000K, 1050mA LIGHTSQUARES WITH 16 LEDS EACH AND AUTOMOTIVE FRONTLINE OPTICS WITH HOUSE SIDE SHIELD
Light Source:	-
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	36875 lumens
Efficiency:	N/A
Efficacy:	82.9 lumens/watt
Luminous Opening:	Rectangular (W 2' x L: 1' x H: 0')
IES Classification:	Type II - Short
BUG Rating:	B2 - U0 - G3

Input Watts (W):	445
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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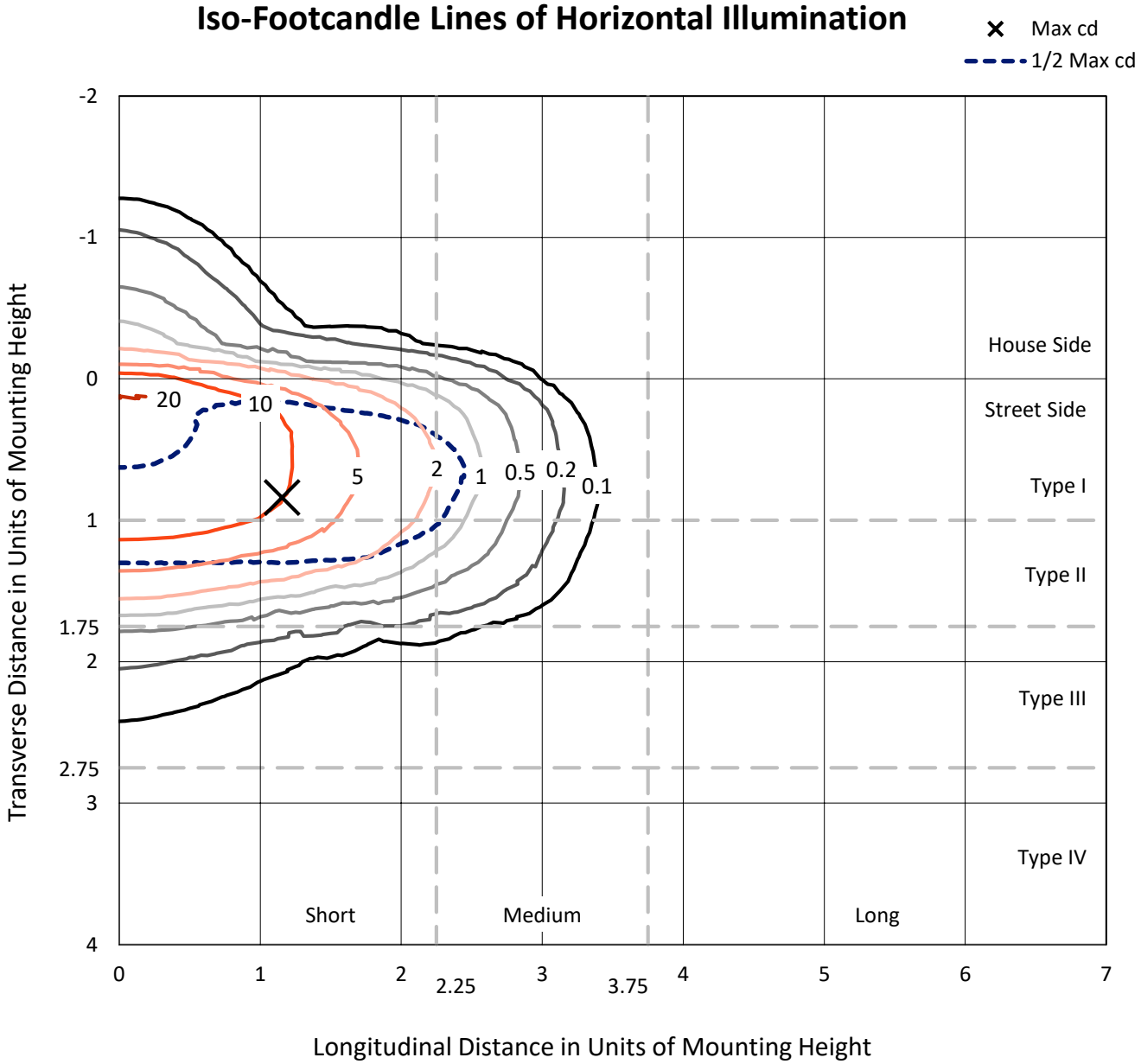
Scaled Data Report

REPORT NUMBER: P324972
CATALOG NUMBER: GLEON-SA8C-830-U-AFL-HSS

Iso-Footcandle Lines of Horizontal Illumination



Based on 25 foot mounting height. Maximum calculated value = 20.3 fc
Type II - Short - N/A

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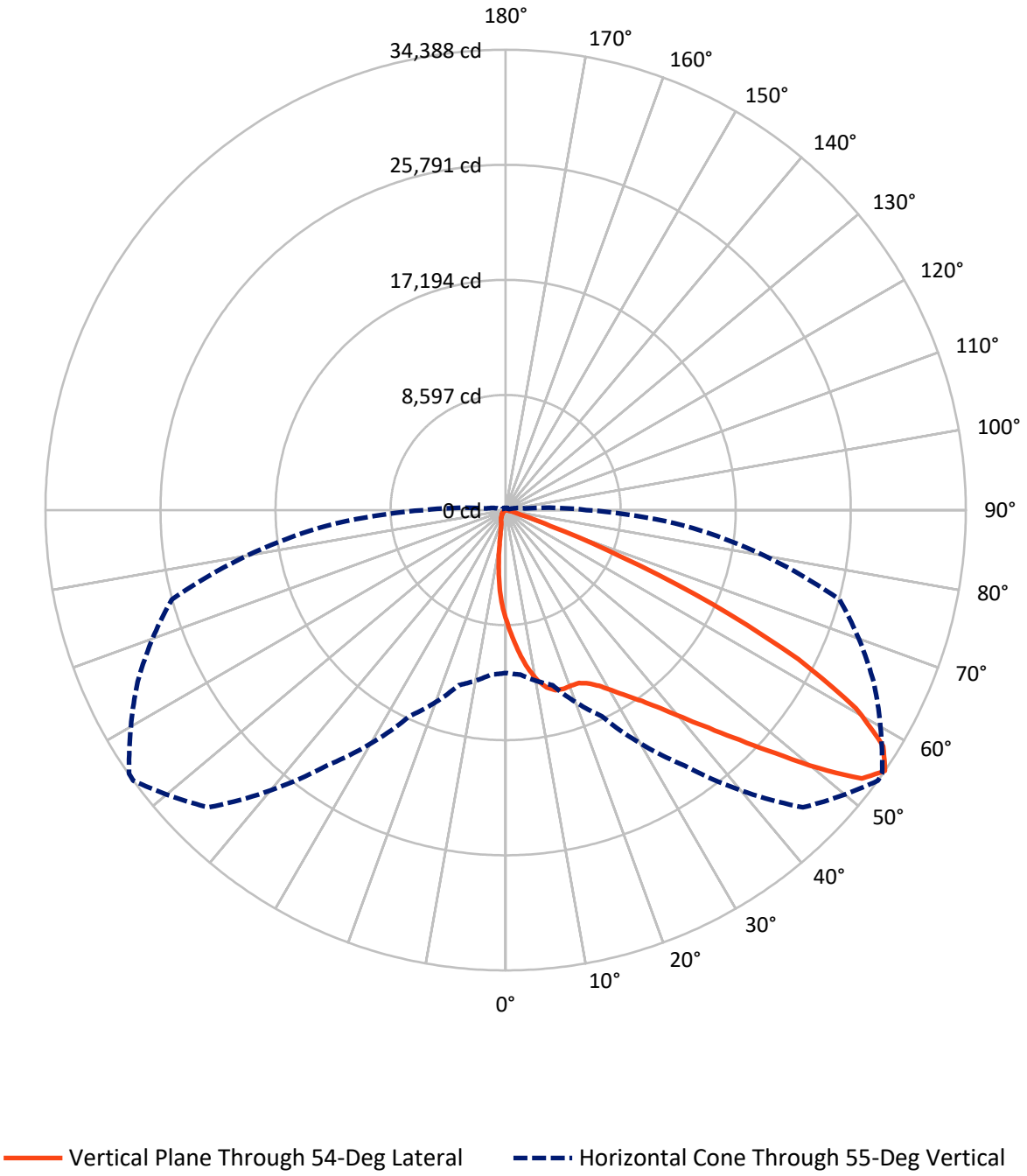
Luminous Intensity Polar Plot



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REPORT NUMBER: P324972
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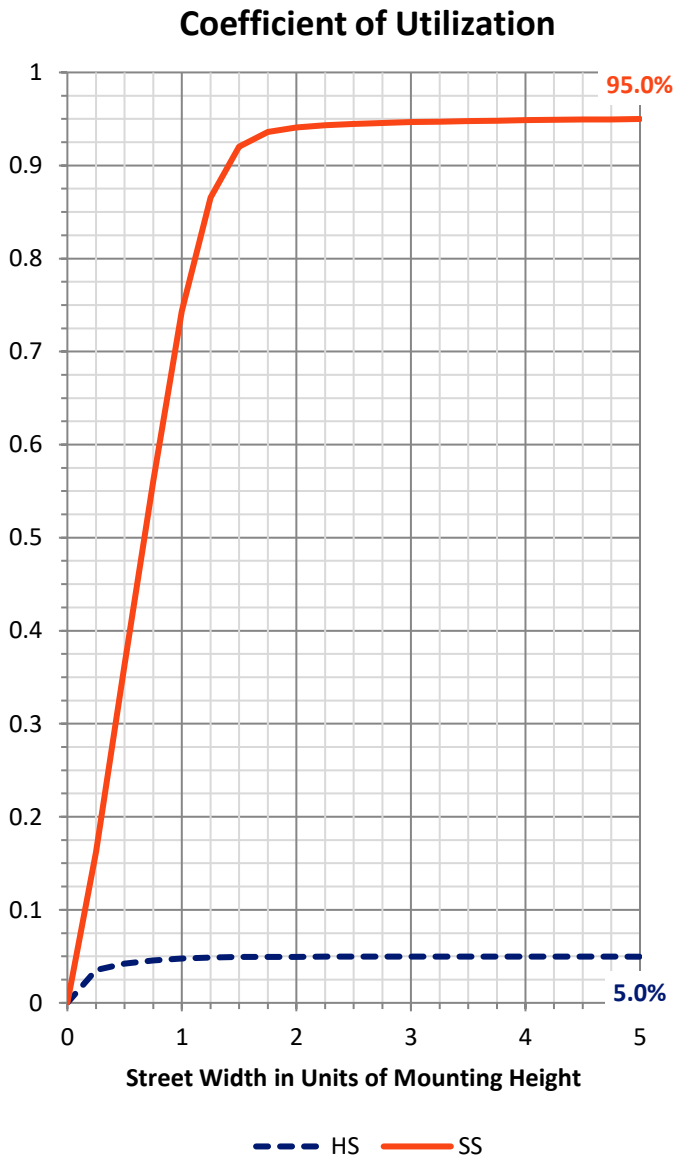
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1839.8	0.0	1839.8
	% Fixture	5.0	0.0	5.0
Street Side	Lumens	35035.2	0.0	35035.2
	% Fixture	95.0	0.0	95.0
Total	Lumens	36875.0	0.0	36875.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	760.5	2.1
10°-20°	2085.7	5.7
20°-30°	3561.0	9.7
30°-40°	5714.9	15.5
40°-50°	9132.4	24.8
50°-60°	9785.6	26.5
60°-70°	5024.2	13.6
70°-80°	761.0	2.1
80°-90°	49.6	0.1
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°	36875.0	100.0
0°-180°	36875.0	100.0



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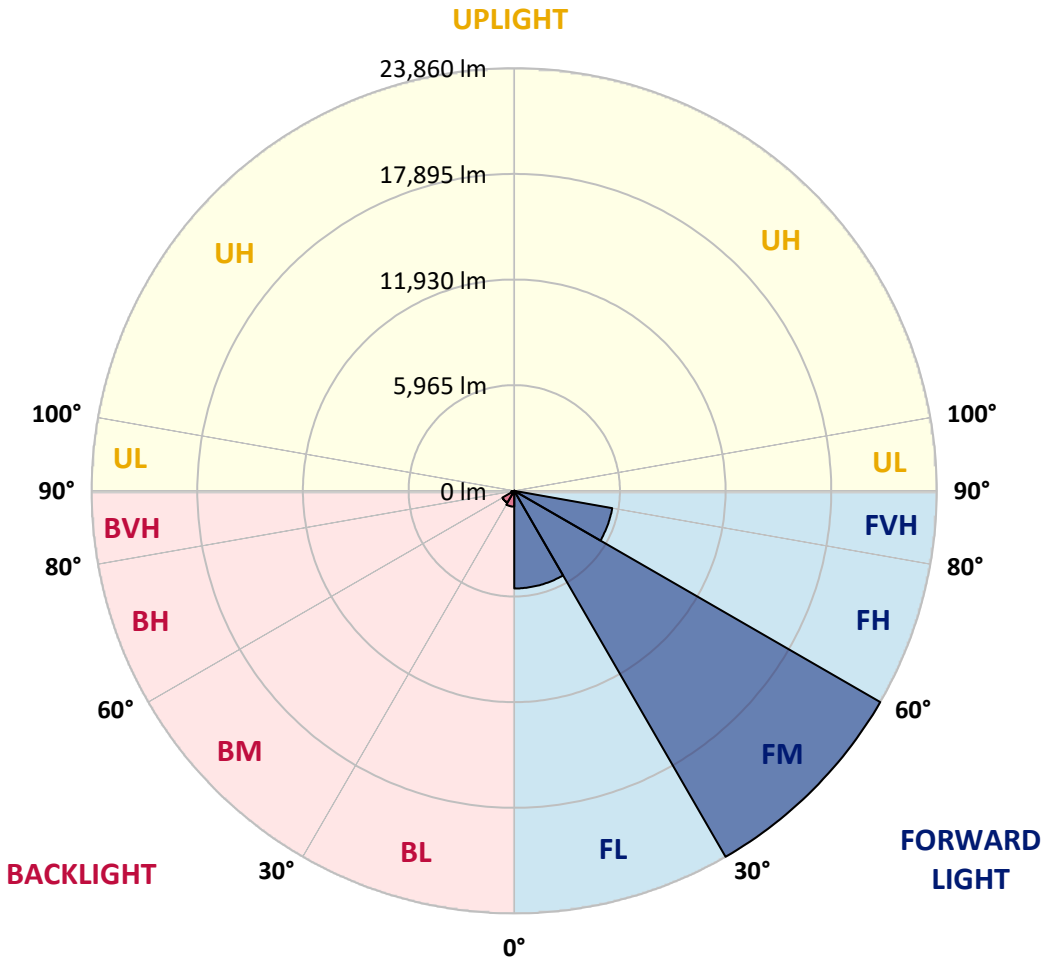
REPORT NUMBER: P324972
CATALOG NUMBER: GLEON-SA8C-830-U-AFL-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	5512.2	14.9			
FM	(30°-60°)	23859.8	64.7			
FH	(60°-80°)	5615.7	15.2			G3/7500
FVH	(80°-90°)	47.6	0.1			G1/100
BL	(0°-30°)	895.1	2.4	B2/1000		
BM	(30°-60°)	773.1	2.1	B1/1000		
BH	(60°-80°)	169.5	0.5	B1/500		G1/500
BVH	(80°-90°)	2.0	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-G3
Type II Short



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Scaled Data Report

REPORT NUMBER: P324972
CATALOG NUMBER: GLEON-SA8C-830-U-AFL-HSS

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	54°	55°	65°	75°	85°
0°	8258.5	8258.5	8258.5	8258.5	8258.5	8258.5	8258.5	8258.5	8258.5	8258.5	8258.5
2.5°	10363.8	10209.3	10214.1	10144.0	9887.6	9687.0	9478.3	9429.0	9104.1	8763.3	8435.3
5°	12155.3	12042.2	12015.1	11879.8	11523.1	11145.7	10741.2	10647.2	10011.8	9314.3	8628.0
7.5°	13075.7	13077.3	13055.0	13005.7	12782.7	12416.4	11922.8	11824.0	10959.3	9913.1	8828.6
10°	12808.2	12868.7	12992.9	13156.9	13327.3	13281.2	12910.1	12820.9	11881.4	10546.9	9051.6
12.5°	12183.9	12191.9	12330.5	12599.6	13090.1	13593.3	13599.6	13569.4	12762.0	11209.4	9296.8
15°	11873.4	11903.7	11954.6	12128.2	12593.2	13399.0	13975.5	14018.5	13569.4	11913.2	9558.0
17.5°	12077.2	12120.2	12077.2	12098.0	12367.1	13091.6	14040.8	14150.6	14274.9	12609.1	9804.8
20°	12629.8	12669.6	12593.2	12508.8	12561.4	13002.5	13994.6	14142.7	14827.4	13227.0	10011.8
22.5°	13375.1	13391.0	13274.8	13136.2	13098.0	13305.0	14032.8	14185.7	15270.1	13786.0	10142.4
25°	14195.2	14209.6	14064.6	13905.4	13814.6	13899.0	14346.5	14461.2	15660.3	14319.4	10217.3
27.5°	15088.6	15101.3	14919.8	14723.9	14618.8	14622.0	14864.1	14986.7	16075.9	14927.8	10277.8
30°	16032.9	16026.6	15859.4	15587.0	15453.3	15450.1	15609.3	15733.5	16677.9	15708.1	10360.6
32.5°	17093.5	17080.8	16843.5	16505.9	16354.6	16376.9	16518.6	16590.3	17424.7	16539.3	10508.7
35°	18490.1	18453.5	18095.2	17676.4	17397.7	17389.7	17509.1	17566.5	18377.0	17545.8	10755.5
37.5°	20302.3	20268.9	19783.2	19174.9	18783.1	18636.6	18778.3	18851.6	19735.4	18837.3	11152.0
40°	22089.1	22055.6	21767.4	21210.0	20606.5	20254.6	20366.0	20444.1	21431.4	20404.2	11652.1
42.5°	23321.6	23350.3	23450.6	23496.8	22931.5	22192.6	22243.5	22324.8	23213.4	22079.5	12223.8
45°	23646.5	23708.6	24275.5	25388.7	25600.5	25024.0	24490.5	24535.1	25024.0	23754.8	12795.5
47.5°	22670.3	22785.0	23879.0	25949.2	27742.3	28150.0	27140.4	27081.4	26761.4	25110.0	13201.5
50°	20452.0	20557.1	21974.4	25036.7	28392.0	31134.3	30315.7	30142.2	28285.4	25920.5	13344.9
52.5°	17241.6	17369.0	18520.4	22163.9	27167.4	32465.6	33322.3	33177.4	29403.3	25984.2	13368.7
55°	12176.0	12330.5	13548.7	16986.8	23286.6	31406.6	34387.7	34344.7	30331.7	25815.4	13419.7
57.5°	6842.8	6954.3	8268.1	10889.3	17055.3	27355.4	33274.5	33559.6	30892.2	25522.4	13496.1
60°	3038.4	3068.7	3748.7	5420.7	9984.8	20905.9	30088.0	30568.9	30411.3	25130.7	13625.1
62.5°	1684.8	1659.3	1659.3	2253.3	4339.5	12942.0	24535.1	25329.7	28358.6	24667.3	13631.5
65°	1320.2	1296.3	1227.8	1237.3	1653.0	5744.0	16990.0	18402.5	24460.3	23308.9	13172.9
67.5°	1119.5	1098.8	1030.3	1003.3	1027.1	1895.0	9335.0	10801.7	18560.2	19778.4	11410.0
70°	945.9	931.6	896.6	863.1	802.6	936.4	3571.9	4568.8	11437.1	13156.9	7788.7
72.5°	761.2	754.8	767.6	738.9	665.7	624.2	1221.4	1479.4	5137.3	5871.4	3208.8
75°	656.1	652.9	659.3	630.6	547.8	434.7	621.1	678.4	1449.1	1436.4	649.7
77.5°	426.8	431.6	546.2	533.5	471.4	289.8	321.7	347.2	439.5	329.6	197.5
80°	272.3	269.1	277.1	442.7	423.6	221.4	160.8	168.8	211.8	162.4	95.5
82.5°	165.6	162.4	181.5	207.0	213.4	154.5	98.7	100.3	132.2	105.1	51.0
85°	14.3	19.1	109.9	101.9	73.3	47.8	47.8	51.0	70.1	62.1	28.7
87.5°	0.0	0.0	19.1	28.7	15.9	17.5	17.5	19.1	27.1	27.1	14.3
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: P324972
CATALOG NUMBER: GLEON-SA8C-830-U-AFL-HSS

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	8258.5	8258.5	8258.5	8258.5	8258.5	8258.5	8258.5	8258.5	8258.5	8258.5	8258.5
2.5°	8264.9	8099.3	7764.9	7443.2	7170.9	6908.1	6608.7	6312.5	6174.0	6118.2	6060.9
5°	8279.2	7938.4	7248.9	6554.6	5834.8	5186.7	4634.1	4067.2	3783.7	3659.5	3602.2
7.5°	8298.3	7779.2	6664.5	5498.8	4339.5	3460.4	2692.9	2199.2	1985.8	1952.4	1869.6
10°	8301.5	7586.5	5986.1	4333.1	2909.4	2086.1	1605.2	1350.4	1256.5	1240.5	1213.5
12.5°	8307.9	7358.8	5232.8	3208.8	1939.6	1395.0	1160.9	1076.5	1051.0	1049.4	1049.4
15°	8327.0	7119.9	4450.9	2312.3	1393.4	1105.2	1019.2	985.7	976.2	981.0	979.4
17.5°	8327.0	6838.0	3683.4	1723.0	1125.9	993.7	945.9	923.6	920.4	925.2	926.8
20°	8266.5	6495.7	2979.5	1340.9	998.5	922.0	879.0	858.3	850.4	853.6	855.2
22.5°	8121.6	6075.3	2406.2	1109.9	914.1	856.7	810.6	778.7	766.0	767.6	767.6
25°	7895.4	5576.8	1882.3	960.3	845.6	786.7	732.5	695.9	687.9	686.4	689.5
27.5°	7605.6	5025.8	1498.5	845.6	764.4	708.6	654.5	624.2	617.9	619.5	621.1
30°	7320.6	4454.1	1181.6	748.5	673.6	621.1	579.7	565.3	565.3	570.1	571.7
32.5°	7059.4	3904.7	934.8	664.1	592.4	544.6	520.7	519.1	527.1	530.3	531.9
35°	6834.9	3396.7	773.9	598.8	528.7	487.3	479.3	485.7	495.3	501.6	503.2
37.5°	6675.6	2942.9	676.8	544.6	479.3	445.9	444.3	457.0	469.8	484.1	487.3
40°	6608.7	2559.1	609.9	496.8	439.5	414.0	409.3	426.8	450.7	471.4	474.6
42.5°	6553.0	2245.4	552.6	450.7	407.7	371.0	369.5	391.7	420.4	441.1	445.9
45°	6505.2	1993.8	500.0	401.3	366.3	318.5	323.3	351.9	374.2	396.5	401.3
47.5°	6406.5	1786.7	442.7	348.7	302.6	272.3	281.9	307.3	324.9	358.3	363.1
50°	6229.7	1617.9	383.8	285.1	246.8	235.7	250.0	267.5	289.8	318.5	321.7
52.5°	6110.3	1490.5	332.8	238.9	203.8	207.0	221.4	227.7	240.5	251.6	248.4
55°	*6041.8*	*1420.5*	*291.4*	*207.0*	*173.6*	*183.1*	*186.3*	*178.4*	*172.0*	*160.8*	*156.1*
57.5°	6033.8	1356.8	259.6	179.9	152.9	157.7	146.5	119.4	97.1	84.4	81.2
60°	6021.1	1278.7	234.1	151.3	135.4	129.0	105.1	65.3	46.2	43.0	43.0
62.5°	5882.6	1157.7	215.0	127.4	114.7	97.1	60.5	30.3	25.5	27.1	27.1
65°	5441.5	988.9	195.9	103.5	90.8	70.1	30.3	17.5	9.6	11.1	11.1
67.5°	4626.1	788.3	175.2	79.6	68.5	44.6	17.5	8.0	0.0	0.0	0.0
70°	3097.3	488.9	148.1	55.7	44.6	27.1	12.7	1.6	0.0	0.0	0.0
72.5°	1188.0	264.3	119.4	33.4	28.7	19.1	8.0	0.0	0.0	0.0	0.0
75°	267.5	173.6	82.8	23.9	20.7	12.7	3.2	0.0	0.0	0.0	0.0
77.5°	101.9	125.8	47.8	15.9	14.3	8.0	0.0	0.0	0.0	0.0	0.0
80°	49.4	74.8	22.3	9.6	8.0	3.2	0.0	0.0	0.0	0.0	0.0
82.5°	25.5	28.7	9.6	4.8	3.2	0.0	0.0	0.0	0.0	0.0	0.0
85°	14.3	14.3	4.8	3.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	8.0	4.8	1.6	1.6	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

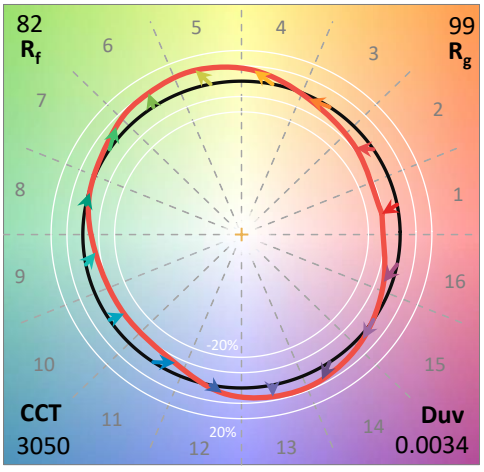
Test Information

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

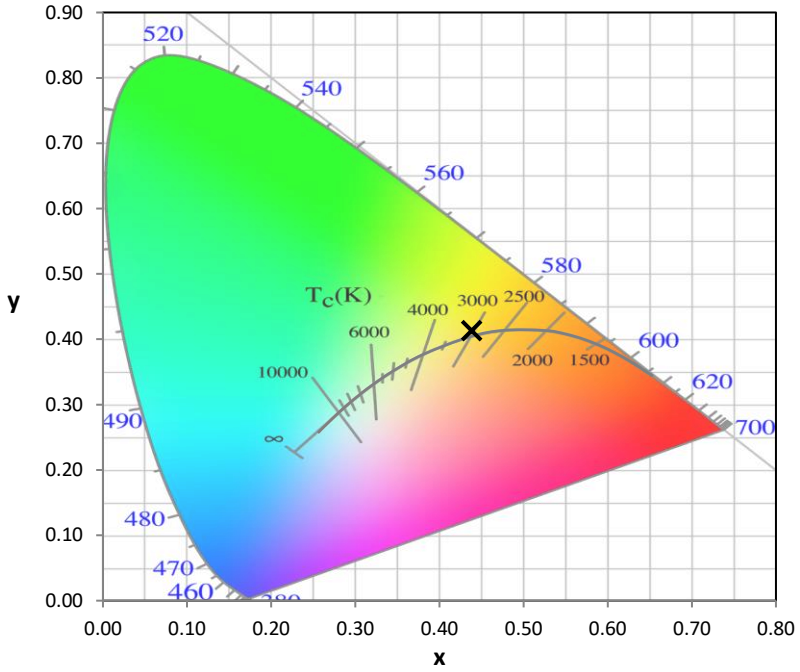
Stabilization Time:	20M
Operation Time:	1H 20M
Sphere Temperature (°C):	24.2

REPORT NUMBER: SP1-2408-195-9

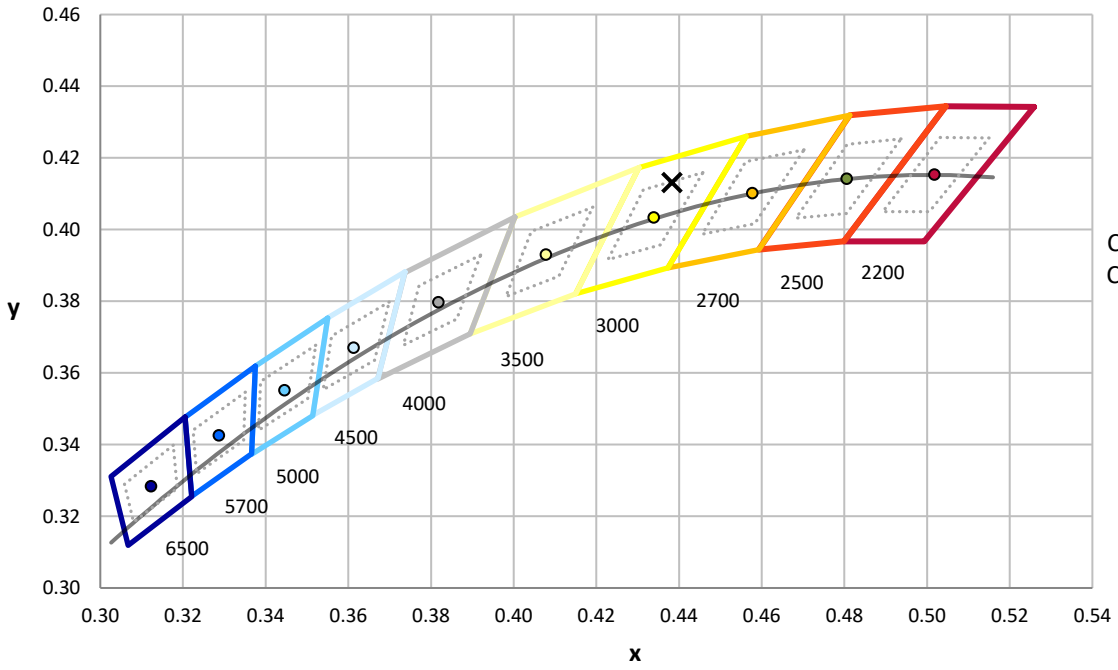
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

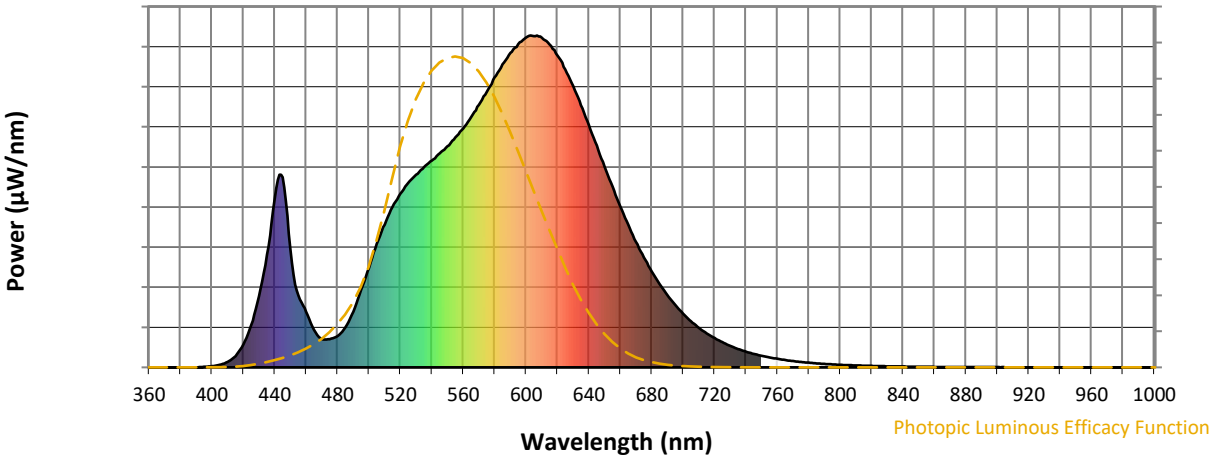


CCT = 3050K
CIE x = 0.4383
CIE y = 0.4131
Duv = 0.0034

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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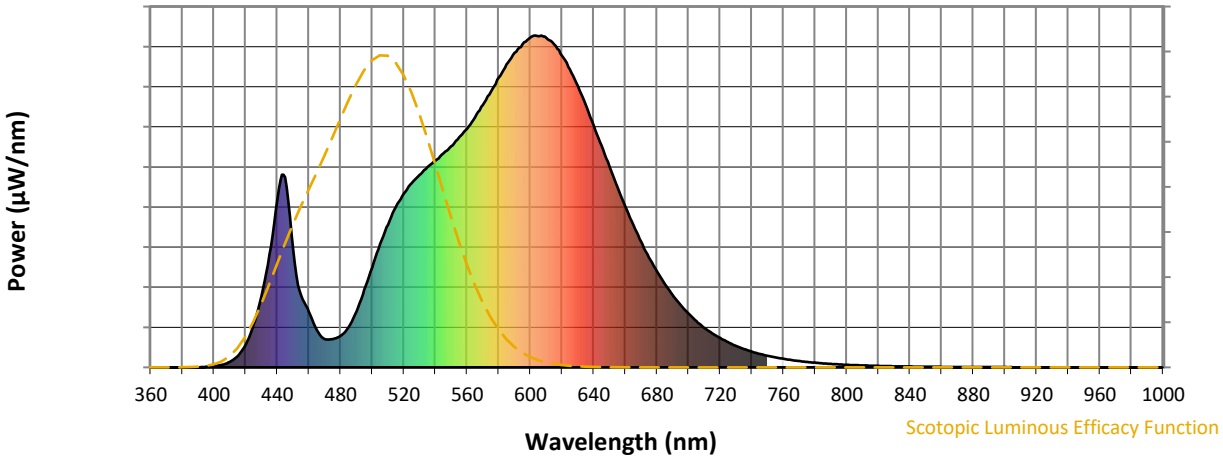
Scotopic Flux vs. Wavelength



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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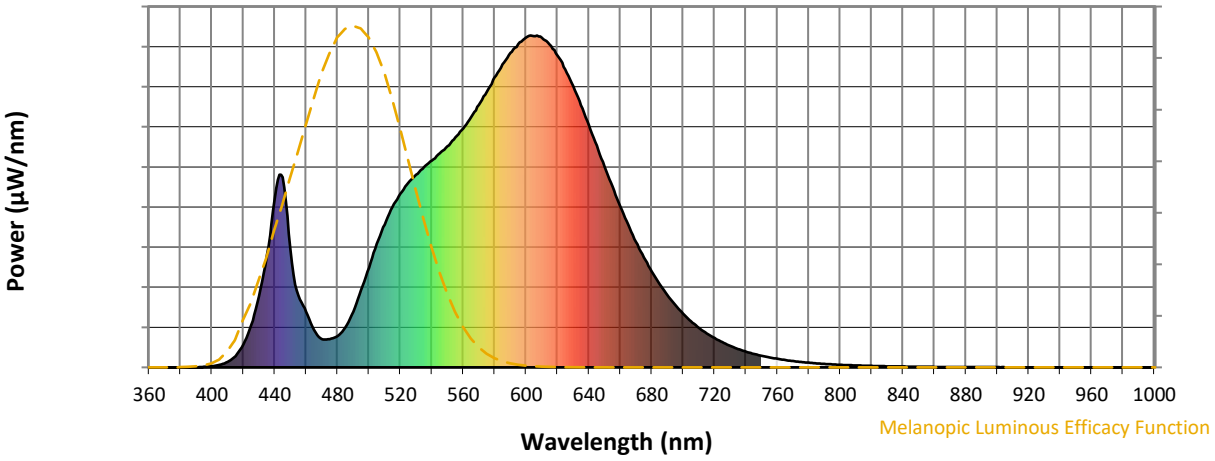
Melanopic Flux vs. Wavelength



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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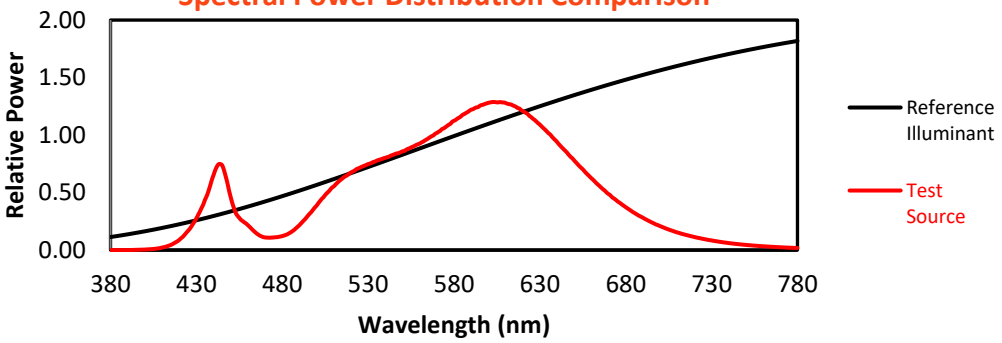
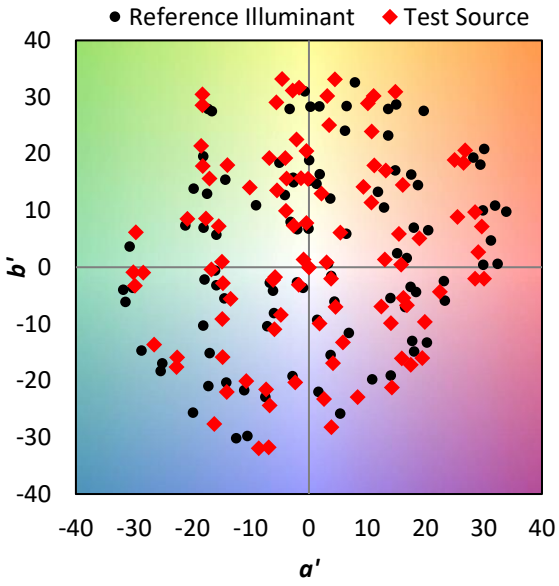
Summary

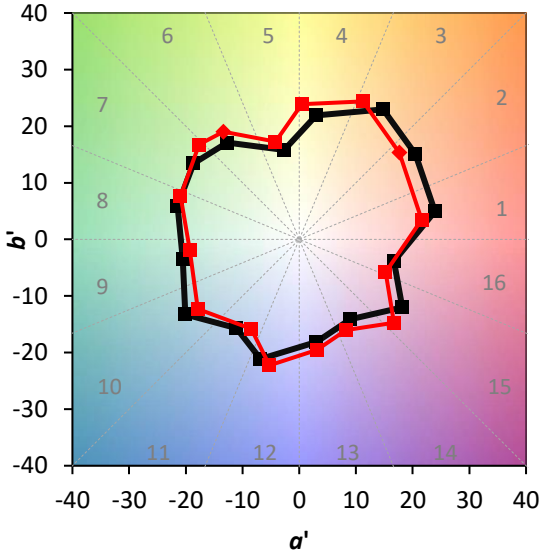
R_f = 81.5
R_g = 99.2
CIE R_a = 81.0
R_9 = 7.1

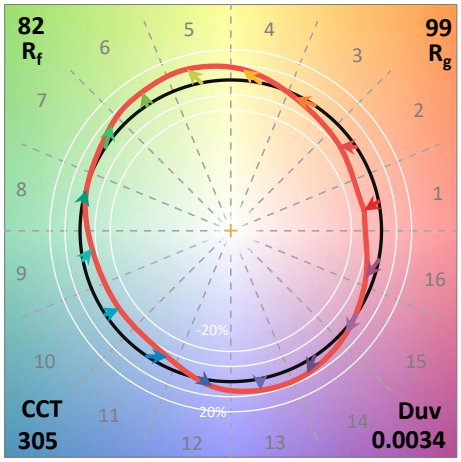
Spectral Power Distribution Comparison

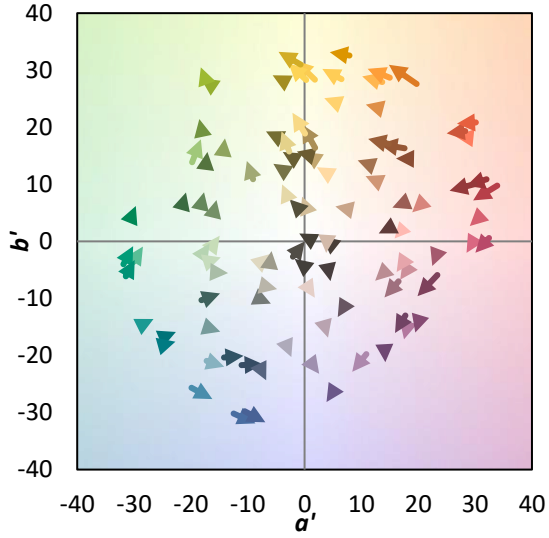


Color Vector Graphics









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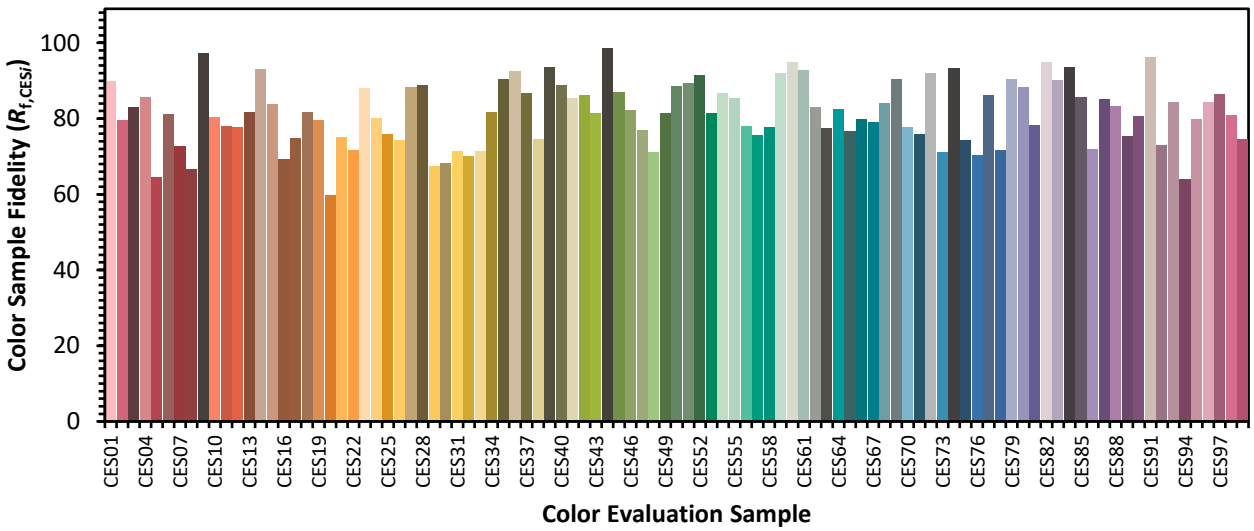
Individual Sample Fidelity Index ($R_{f,i}$)

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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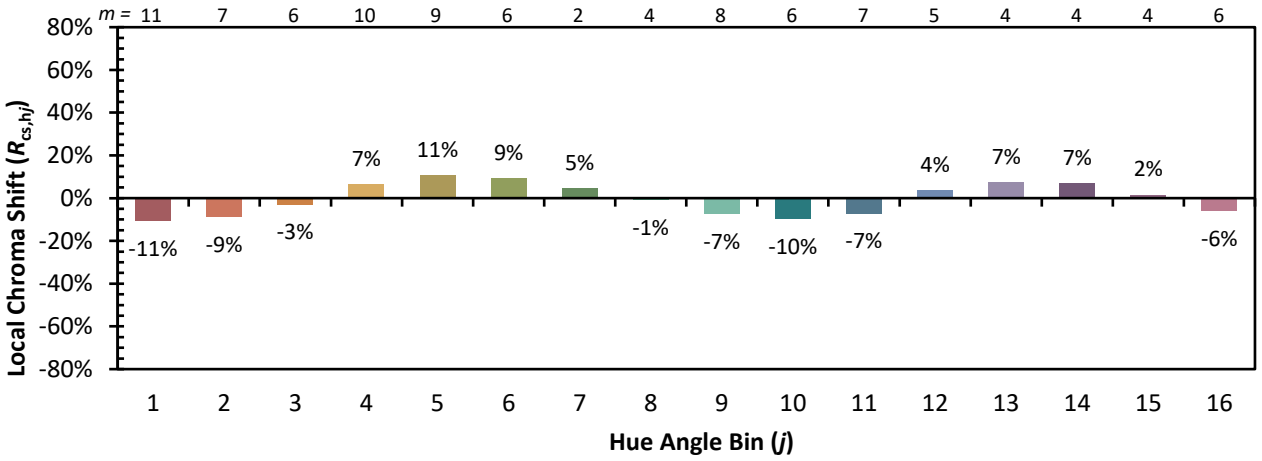
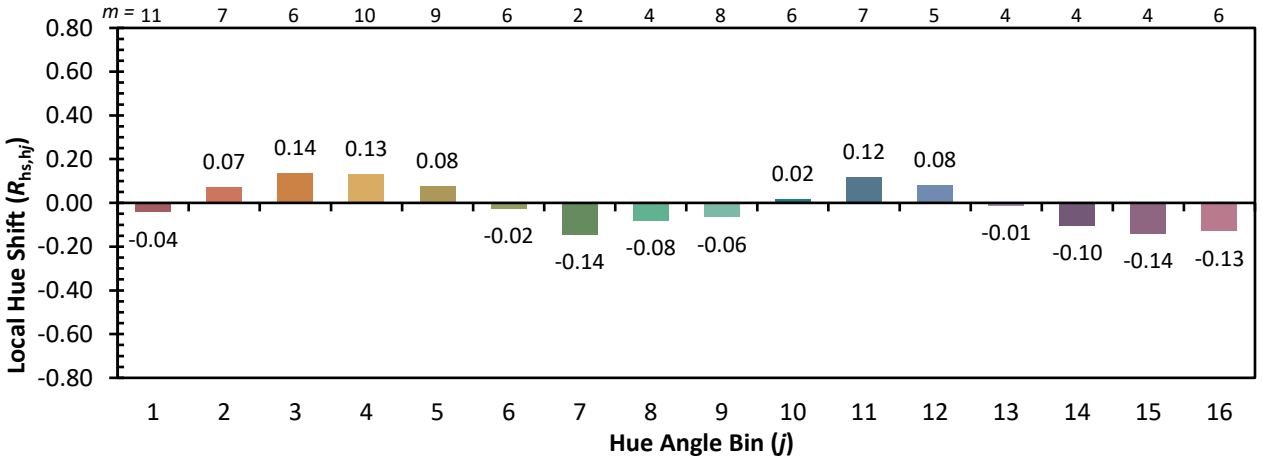
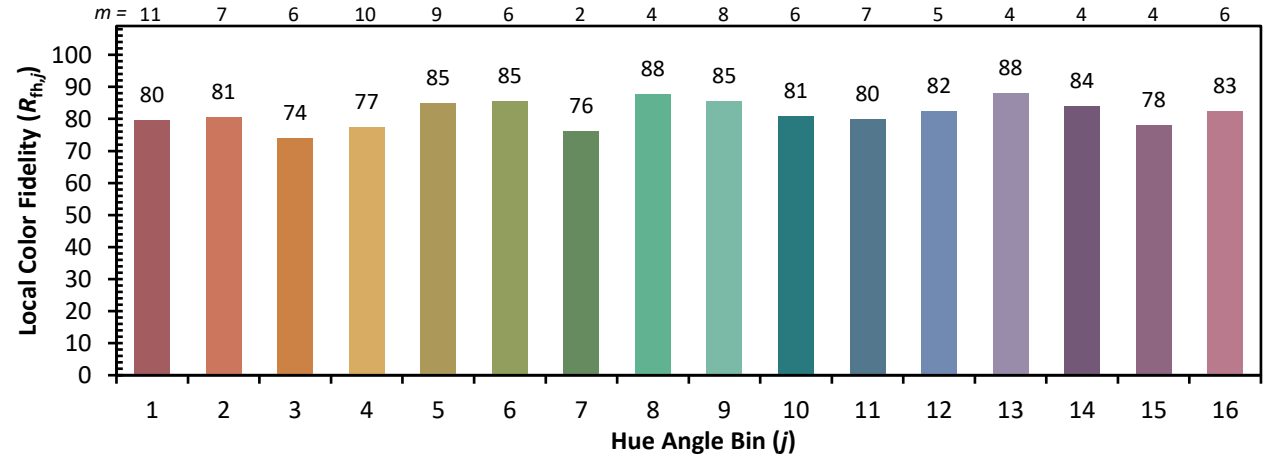
Color Rendition by Hue-Angle Bin







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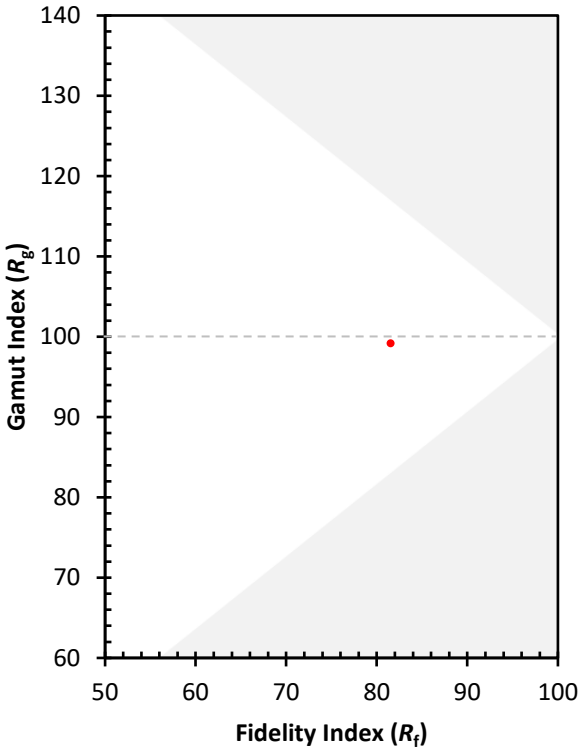
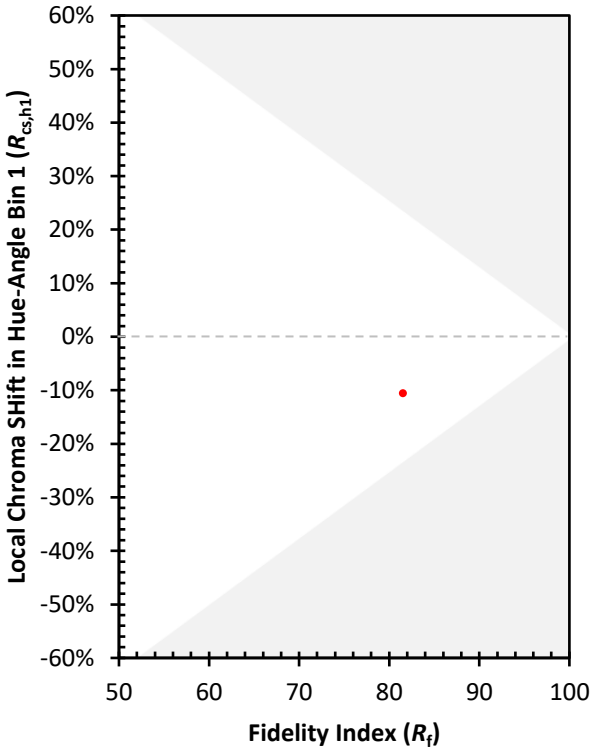
Measure Comparisons





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