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: P321451

Luminaire Tested: **GLEON-SA7C-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:	P321451
	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-SA7C-830-U-T2R-HSS
Description:	GALLEON AREA AND ROADWAY LUMINAIRE
	(7) 80 CRI, 3000K, 1050mA 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:	32089 lumens
Efficiency:	N/A
Efficacy:	82.1 lumens/watt
Luminous Opening:	Rectangular (W 2' x L: 1' x H: 0')
IES Classification:	Type II - Medium
BUG Rating:	B2 - U0 - G4

Input Watts (W):	391
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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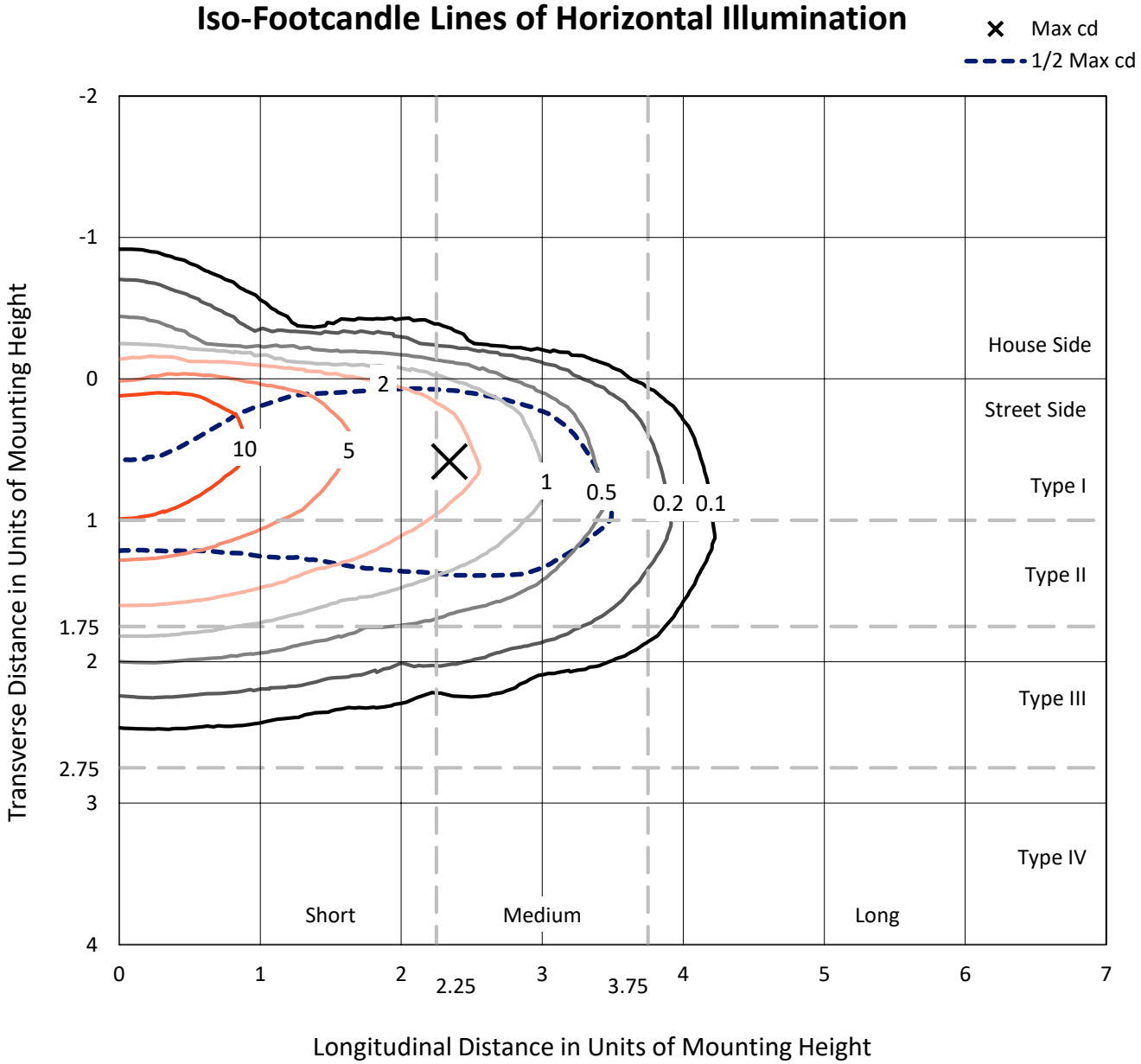
Scaled Data Report

REPORT NUMBER: P321451
CATALOG NUMBER: GLEON-SA7C-830-U-T2R-HSS

Iso-Footcandle Lines of Horizontal Illumination



Based on 25 foot mounting height. Maximum calculated value = 15.3 fc
Type II - Medium - N/A

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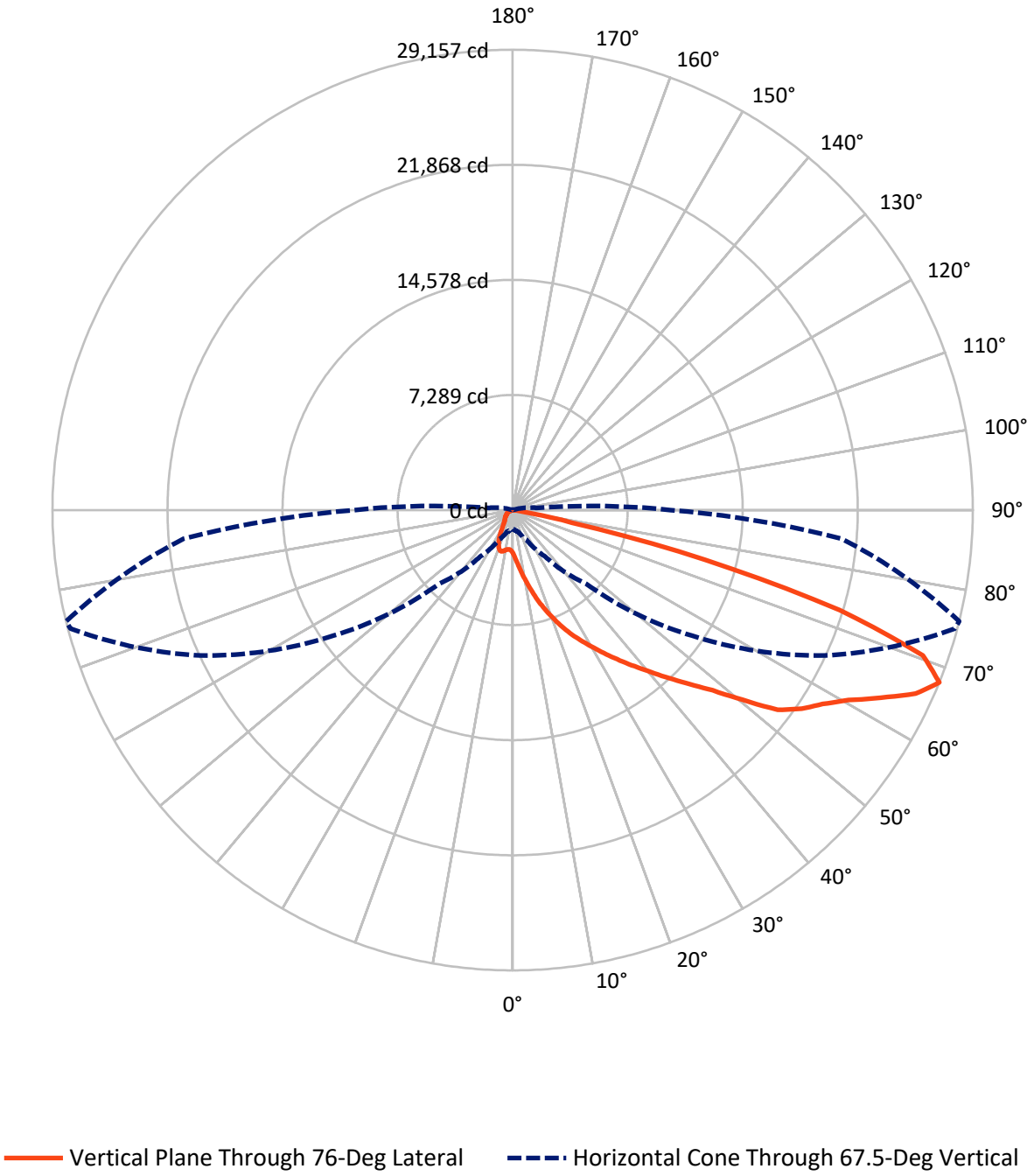
Luminous Intensity Polar Plot



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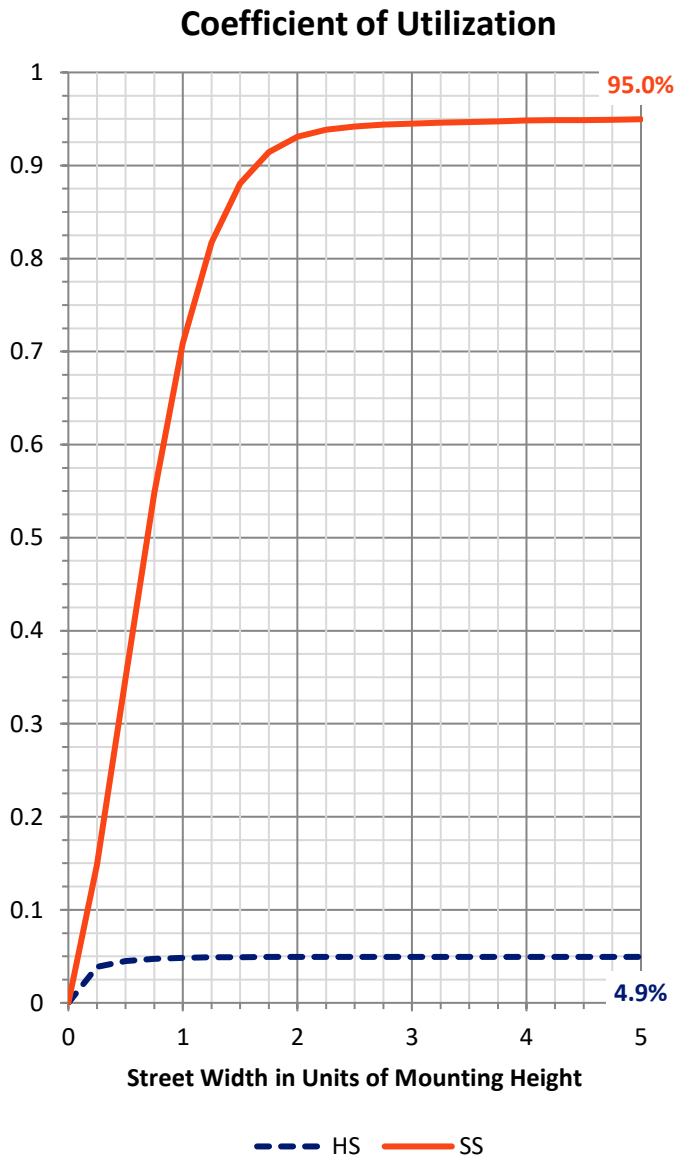
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1593.4	0.0	1593.4
	% Fixture	5.0	0.0	5.0
Street Side	Lumens	30495.5	0.0	30495.5
	% Fixture	95.0	0.0	95.0
Total	Lumens	32089.0	0.0	32089.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	338.5	1.1
10°-20°	1341.8	4.2
20°-30°	2730.1	8.5
30°-40°	4738.6	14.8
40°-50°	6695.1	20.9
50°-60°	7592.5	23.7
60°-70°	6297.3	19.6
70°-80°	2281.1	7.1
80°-90°	74.0	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°	32089.0	100.0
0°-180°	32089.0	100.0



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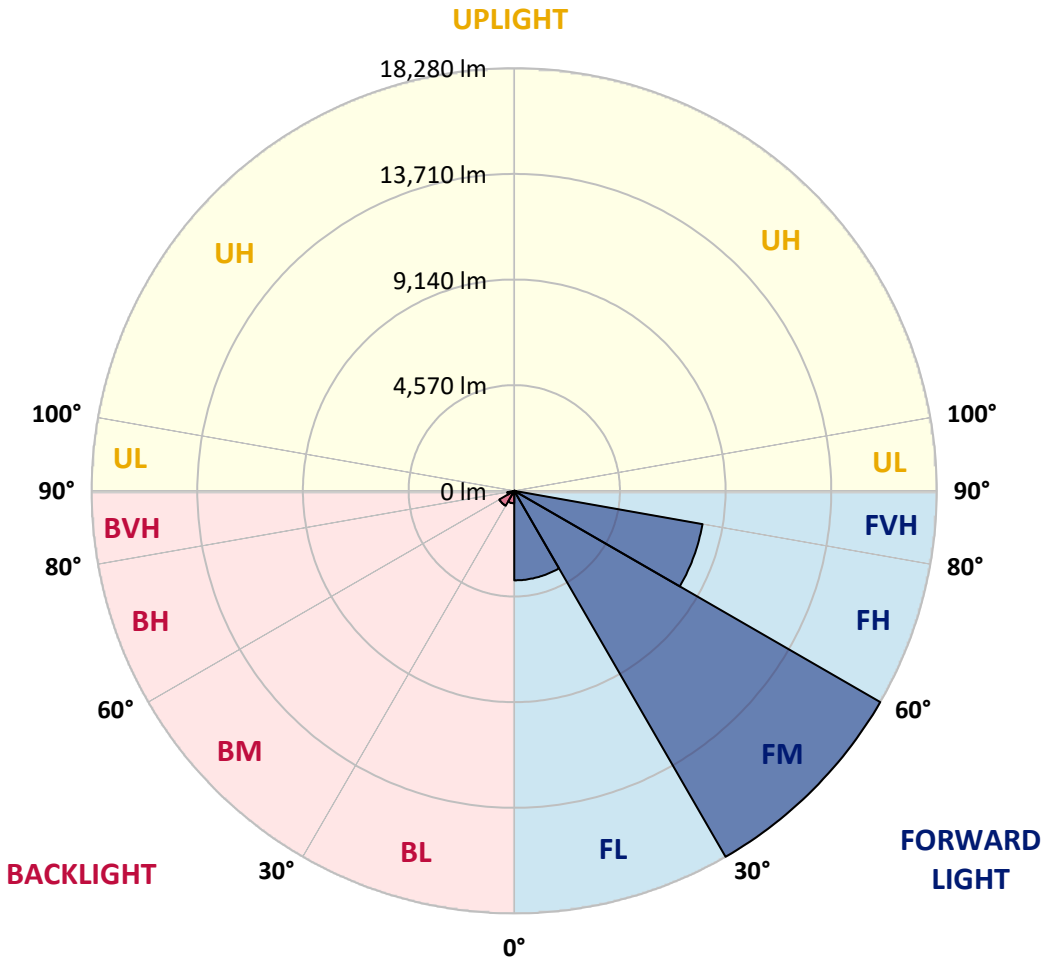
LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	3873.0	12.1			
FM	(30°-60°)	18280.5	57.0			
FH	(60°-80°)	8270.4	25.8			G4/12000
FVH	(80°-90°)	71.6	0.2			G1/100
BL	(0°-30°)	537.4	1.7	B2/1000		
BM	(30°-60°)	745.8	2.3	B1/1000		
BH	(60°-80°)	307.9	1.0	B1/500		G1/500
BVH	(80°-90°)	2.3	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 II Medium



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REPORT NUMBER: P321451
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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	76°	85°
0°	2722.1	2722.1	2722.1	2722.1	2722.1	2722.1	2722.1	2722.1	2722.1	*2722.1*	2722.1
2.5°	4063.4	3972.0	3993.1	3934.1	3827.2	3607.9	3420.9	3243.7	3037.0	*3030.0*	2859.9
5°	5479.3	5402.0	5392.1	5272.6	5078.6	4706.0	4343.2	3929.9	3468.7	*3434.9*	3073.6
7.5°	6764.4	6702.6	6680.1	6538.0	6176.7	5813.9	5341.5	4734.1	4012.8	*3950.9*	3361.8
10°	7751.5	7721.9	7727.5	7626.3	7317.0	6979.5	6359.5	5584.8	4630.1	*4534.5*	3707.7
12.5°	8499.5	8506.5	8557.1	8495.2	8322.3	8072.0	7409.8	6491.6	5313.4	*5182.6*	4102.8
15°	9049.2	9084.4	9177.2	9254.5	9241.8	9025.3	8417.9	7412.6	6038.9	*5894.1*	4542.9
17.5°	9404.9	9444.3	9579.3	9750.8	9908.3	9857.7	9390.9	8301.2	6772.9	*6605.5*	5013.9
20°	9717.1	9763.5	9908.3	10134.7	10428.5	10491.8	10185.3	9163.1	7505.4	*7301.5*	5500.4
22.5°	10393.4	10392.0	10480.6	10612.7	10892.5	11055.6	10861.6	9963.1	8229.5	*8017.2*	5996.7
25°	11616.6	11570.2	11539.3	11435.3	11497.1	11598.4	11490.1	10711.1	8957.8	*8742.7*	6500.1
27.5°	13070.5	13098.6	12848.3	12568.5	12352.0	12247.9	12070.8	11404.3	9658.0	*9421.8*	6992.2
30°	14604.4	14612.9	14317.6	13960.5	13483.8	13088.7	12782.2	12066.6	10377.9	*10120.6*	7470.2
32.5°	15988.0	15933.1	15640.7	15154.2	14552.4	14108.1	13471.2	12806.1	11140.0	*10891.1*	8001.7
35°	17084.7	17020.0	16664.3	16221.4	15597.1	15150.0	14383.7	13544.3	11941.4	*11698.2*	8534.6
37.5°	17886.1	17810.2	17444.6	16989.1	16450.6	16190.5	15442.4	14347.1	12816.0	*12554.5*	9095.6
40°	18164.5	18098.4	17869.3	17536.0	17103.0	17043.9	16565.9	15270.9	13767.9	*13489.5*	9731.1
42.5°	17998.6	17933.9	17852.4	17739.9	17559.9	17616.2	17626.0	16324.0	14825.2	*14551.0*	10432.8
45°	17340.6	17282.9	17367.3	17531.8	17755.4	18033.8	18593.4	17455.9	16006.3	*15713.8*	11244.0
47.5°	16371.8	16329.6	16563.0	16973.6	17627.4	18395.1	19477.8	18645.4	17332.1	*17060.8*	12256.4
50°	14993.9	14986.9	15453.7	16203.1	17208.4	18569.5	20391.7	19998.0	19174.0	*18888.6*	13663.8
52.5°	12848.3	12862.4	13780.5	14979.9	16473.1	18451.3	20979.4	21735.8	21316.8	*21020.2*	14882.8
55°	10805.4	10889.7	11540.7	13270.1	15345.4	18012.7	21181.9	22547.1	22499.3	*22218.1*	15560.5
57.5°	8804.6	8957.8	9584.9	11200.4	13699.0	17001.7	21070.8	22898.6	23379.5	*23164.4*	16454.8
60°	6636.5	6706.8	7429.5	8939.5	11585.7	15157.0	20265.1	23089.8	24583.1	*24434.0*	17752.6
62.5°	4222.3	4398.1	5039.2	6495.9	9021.1	12595.2	18906.9	23087.0	26088.9	*26170.5*	19427.1
65°	2224.3	2429.6	2769.9	4025.5	6199.2	9734.0	16863.9	22870.5	27936.4	*28050.3*	20736.1
67.5°	*1199.3*	*1258.4*	*1438.4*	*2089.4*	*3595.2*	*6594.3*	*13862.1*	*21801.9*	*29006.4*	*29156.9*	*20918.9*
70°	877.4	909.7	977.2	1155.8	1809.6	3830.0	10115.0	19379.3	27627.1	*27570.9*	18586.3
72.5°	673.5	724.1	774.7	846.4	1040.5	2044.4	6297.6	15175.3	22043.8	*21672.6*	13893.0
75°	531.5	539.9	611.6	676.3	780.3	1164.2	2796.6	8838.3	13454.3	*12575.5*	7204.5
77.5°	424.6	430.2	472.4	528.7	627.1	764.9	866.1	3477.1	4295.4	*3832.8*	1563.5
80°	251.7	265.7	351.5	407.7	520.2	482.3	316.4	755.0	670.7	*607.4*	262.9
82.5°	140.6	151.9	198.3	322.0	362.8	230.6	157.5	203.9	157.5	*153.3*	74.5
85°	0.0	7.0	127.9	199.7	147.6	50.6	66.1	67.5	46.4	*43.6*	29.5
87.5°	0.0	0.0	39.4	38.0	5.6	8.4	15.5	22.5	18.3	*18.3*	15.5
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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REPORT NUMBER: P321451
CATALOG NUMBER: GLEON-SA7C-830-U-T2R-HSS

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	2722.1	2722.1	2722.1	2722.1	2722.1	2722.1	2722.1	2722.1	2722.1	2722.1	2722.1
2.5°	2775.5	2699.6	2556.2	2415.6	2297.5	2200.4	2113.3	2078.1	2050.0	2045.8	2023.3
5°	2899.2	2746.0	2471.8	2246.8	2096.4	1989.5	1898.1	1841.9	1798.3	1781.4	1766.0
7.5°	3086.2	2854.2	2460.6	2201.8	2021.9	1841.9	1673.2	1490.4	1376.5	1332.9	1307.6
10°	3314.0	2997.7	2502.7	2189.2	1874.2	1494.6	1214.8	982.8	888.6	857.7	849.2
12.5°	3579.8	3176.2	2575.8	2110.5	1559.3	1061.6	838.0	759.3	738.2	728.3	728.3
15°	3884.9	3371.7	2627.9	1882.7	1152.9	802.8	725.5	689.0	666.5	653.8	655.2
17.5°	4197.0	3562.9	2602.6	1552.3	850.6	714.3	656.6	617.2	586.3	573.7	570.8
20°	4512.0	3740.0	2462.0	1155.8	719.9	648.2	583.5	539.9	509.0	496.3	493.5
22.5°	4838.2	3890.5	2214.5	847.8	646.8	575.1	511.8	468.2	438.7	427.4	421.8
25°	5155.9	4012.8	1868.6	686.1	577.9	506.2	445.7	404.9	378.2	367.0	365.6
27.5°	5452.6	4090.1	1467.9	606.0	517.4	444.3	389.5	352.9	330.4	322.0	320.6
30°	5719.7	4097.2	1085.5	546.9	464.0	390.9	340.3	307.9	288.2	279.8	277.0
32.5°	5989.7	4038.1	790.2	493.5	414.8	344.5	295.3	270.0	255.9	248.9	248.9
35°	6244.2	3901.7	615.8	447.1	367.0	299.5	260.1	241.8	233.4	226.4	226.4
37.5°	6493.1	3706.3	523.0	406.3	322.0	261.5	229.2	217.9	210.9	203.9	203.9
40°	6746.1	3460.2	475.2	368.4	285.4	232.0	203.9	194.0	187.0	181.4	180.0
42.5°	7056.9	3176.2	444.3	333.2	253.1	205.3	180.0	168.7	163.1	157.5	154.7
45°	7416.8	2931.6	419.0	298.1	226.4	182.8	156.1	144.8	136.4	129.4	127.9
47.5°	7935.6	2754.4	385.3	260.1	201.1	158.9	135.0	122.3	109.7	102.6	101.2
50°	8597.9	2608.2	341.7	226.4	175.8	135.0	112.5	97.0	85.8	78.7	78.7
52.5°	8926.9	2417.0	302.3	196.8	147.6	113.9	91.4	73.1	67.5	60.5	60.5
55°	9059.1	2270.7	262.9	167.3	122.3	94.2	71.7	56.2	52.0	47.8	46.4
57.5°	9430.3	2228.6	229.2	142.0	101.2	74.5	54.8	42.2	39.4	33.7	33.7
60°	10027.8	2249.7	198.3	120.9	81.5	57.6	40.8	32.3	29.5	23.9	23.9
62.5°	10673.2	2222.9	167.3	104.0	63.3	42.2	28.1	23.9	23.9	14.1	12.7
65°	10796.9	1979.7	143.4	85.8	49.2	30.9	18.3	15.5	21.1	2.8	0.0
67.5°	*10020.8*	*1535.4*	*123.7*	*66.1*	*36.6*	*23.9*	*14.1*	*7.0*	*18.3*	*0.0*	*0.0*
70°	8013.0	975.8	99.8	47.8	28.1	19.7	11.2	2.8	14.1	0.0	0.0
72.5°	5666.3	566.6	78.7	33.7	23.9	15.5	8.4	0.0	8.4	0.0	0.0
75°	2865.5	302.3	49.2	25.3	18.3	11.2	5.6	0.0	1.4	0.0	0.0
77.5°	620.1	140.6	30.9	18.3	12.7	7.0	2.8	0.0	0.0	0.0	0.0
80°	135.0	61.9	19.7	11.2	7.0	4.2	0.0	0.0	0.0	0.0	0.0
82.5°	49.2	32.3	9.8	5.6	2.8	0.0	0.0	0.0	0.0	0.0	0.0
85°	26.7	16.9	5.6	2.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	14.1	5.6	1.4	1.4	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

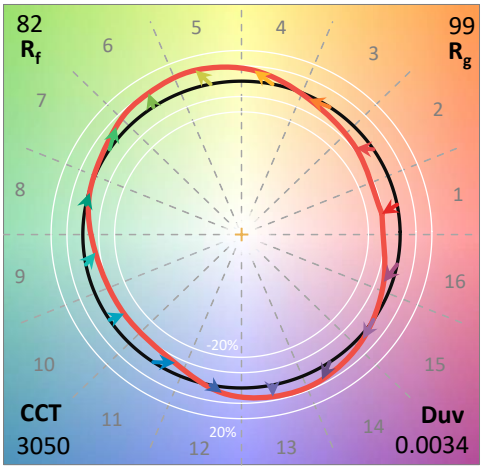
Test Information

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

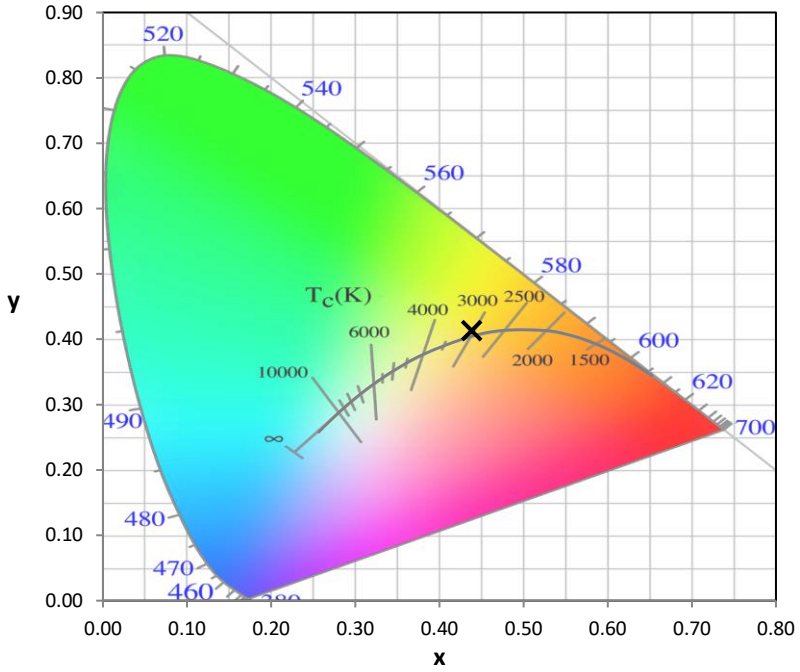
Stabilization Time:	20M
Operation Time:	1H 20M
Sphere Temperature (°C):	24.2

REPORT NUMBER: SP1-2408-195-9

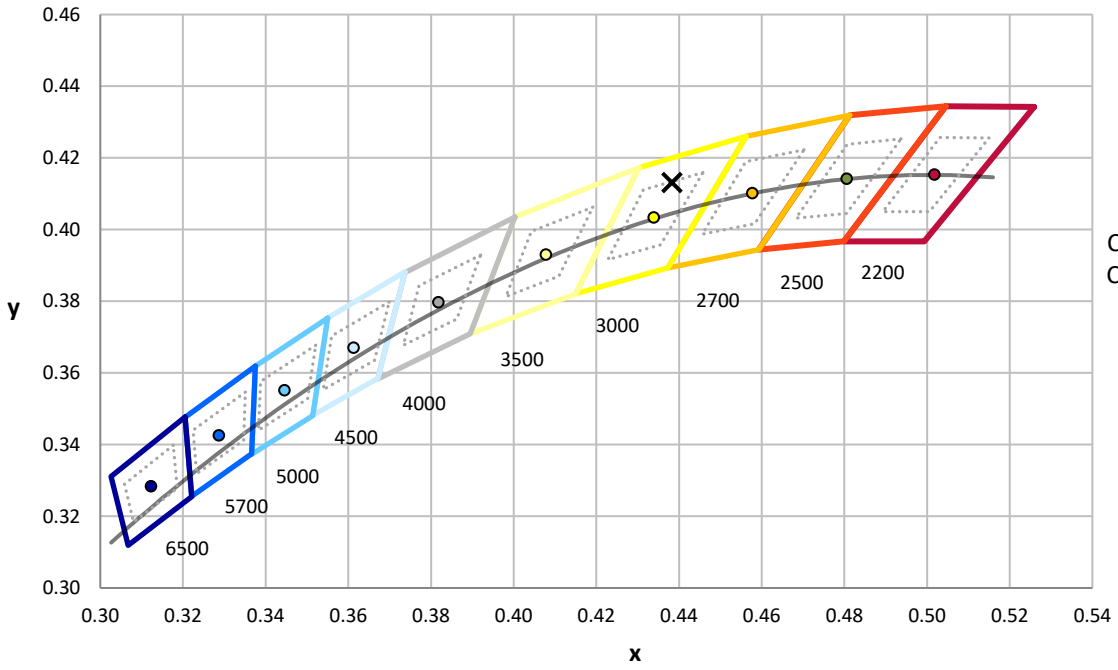
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

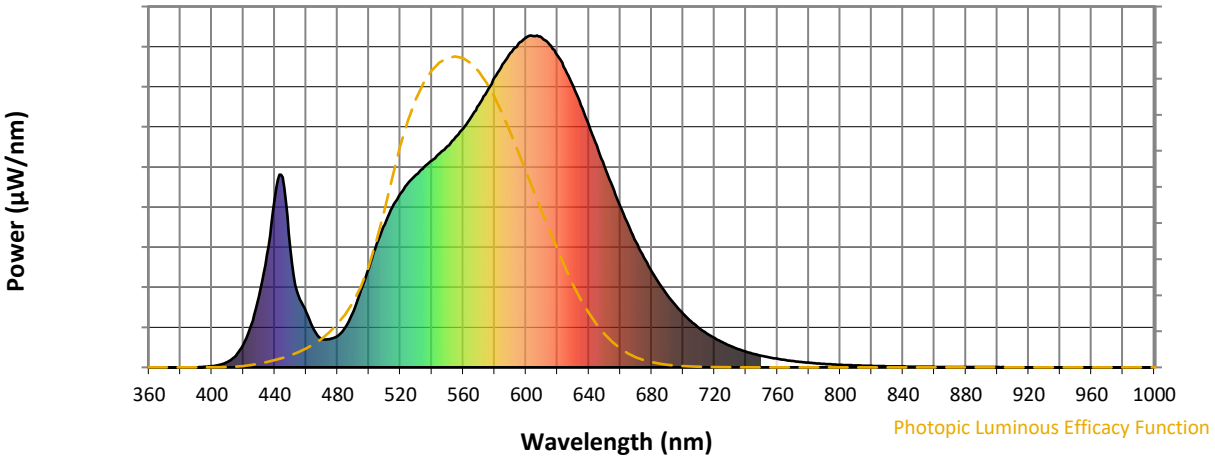


CCT = 3050K
CIE x = 0.4383
CIE y = 0.4131
Duv = 0.0034

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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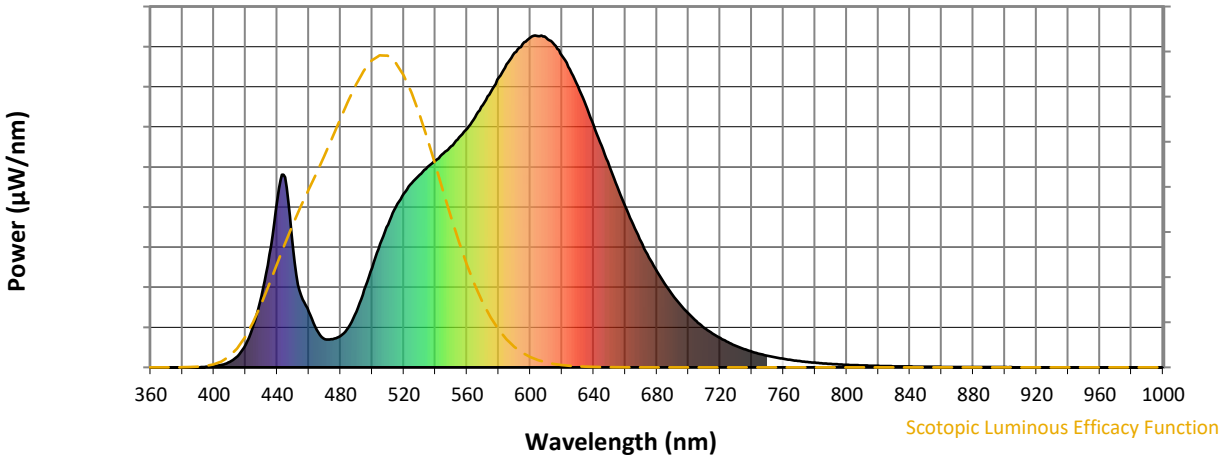
Scotopic Flux vs. Wavelength



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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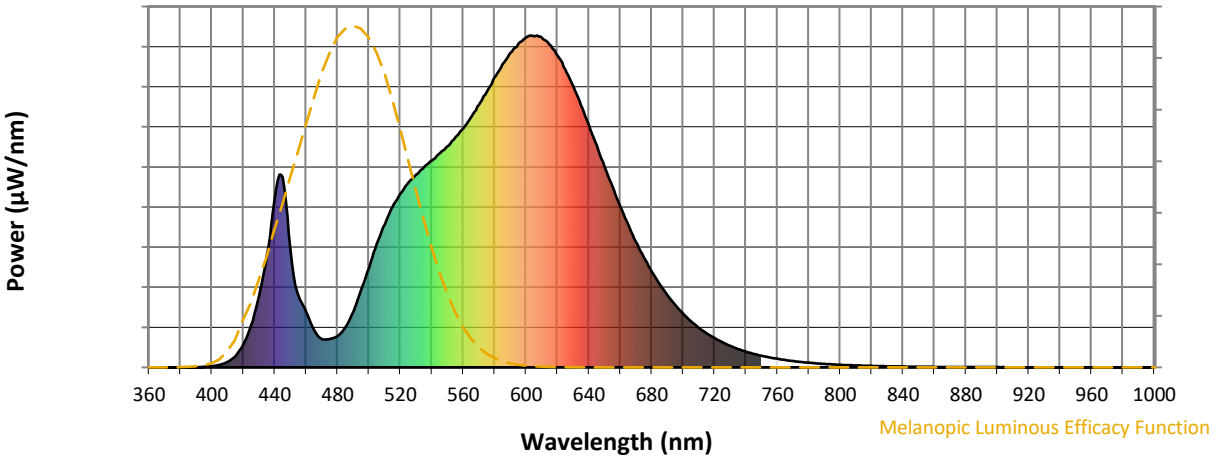
Melanopic Flux vs. Wavelength



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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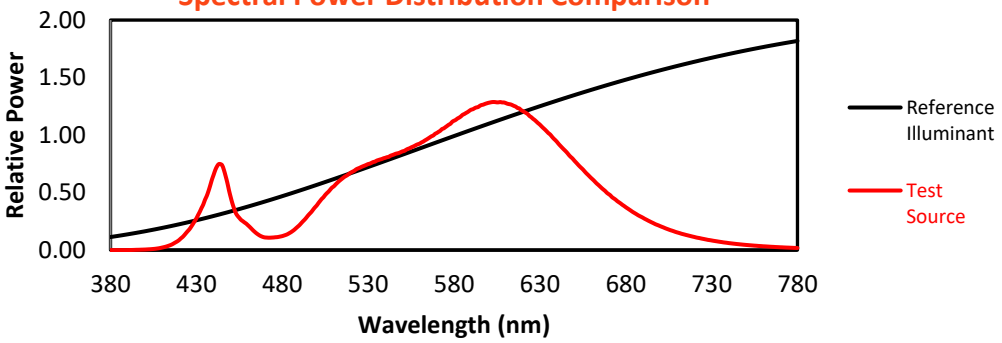
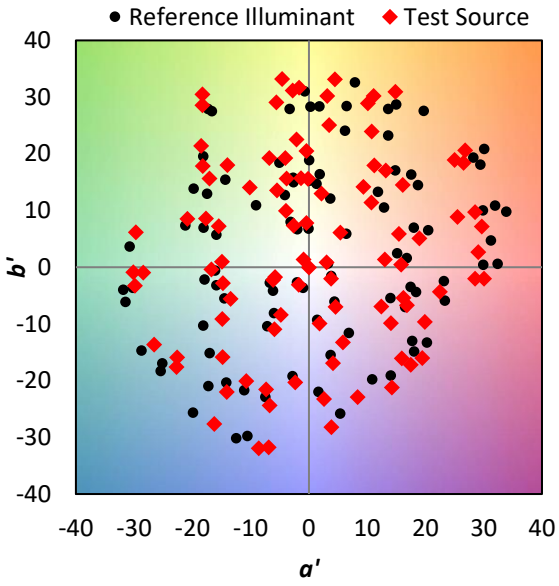
Summary

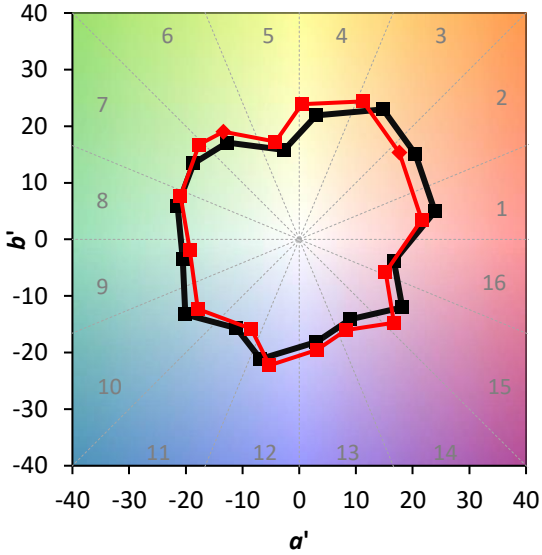
R_f = 81.5
R_g = 99.2
CIE R_a = 81.0
R_9 = 7.1

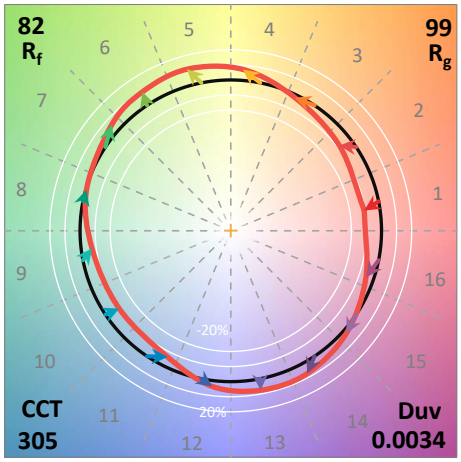
Spectral Power Distribution Comparison

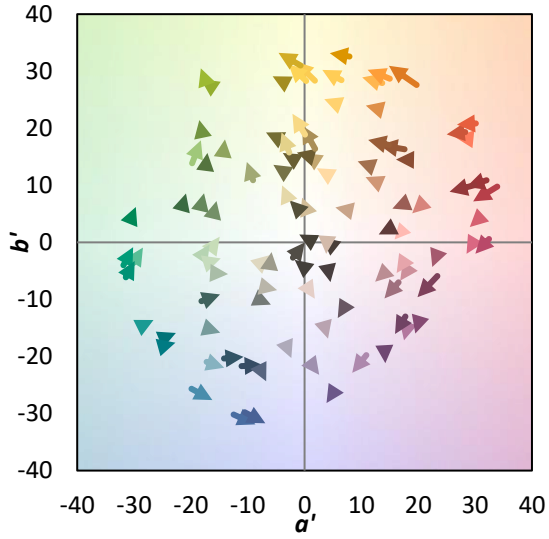


Color Vector Graphics









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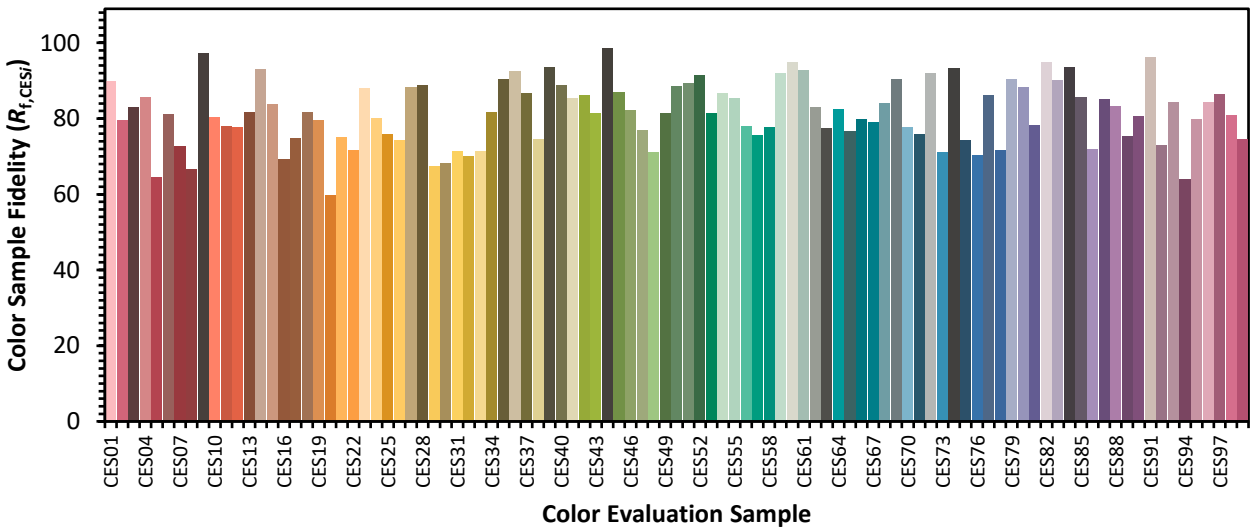
Individual Sample Fidelity Index ($R_{f,i}$)

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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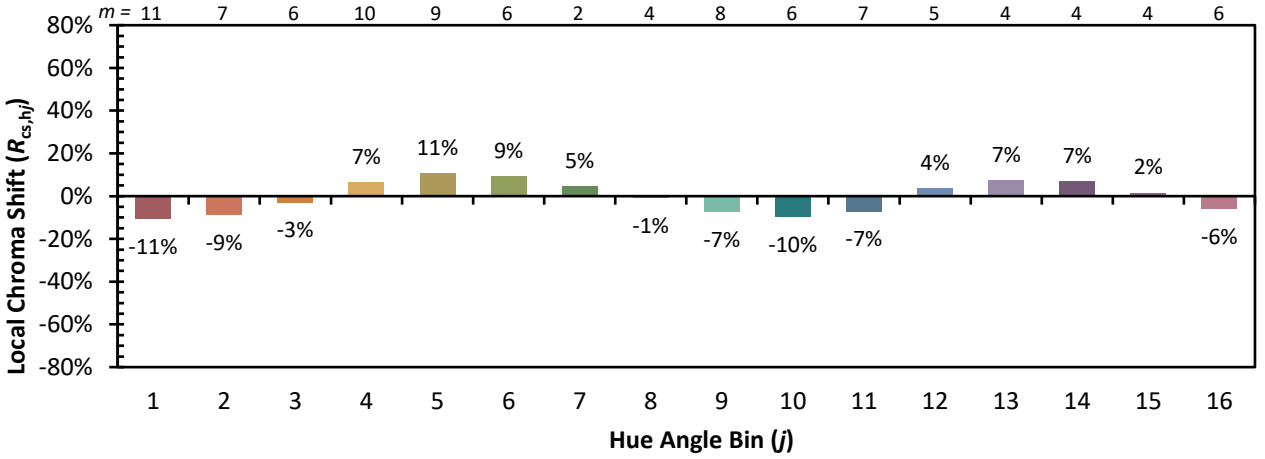
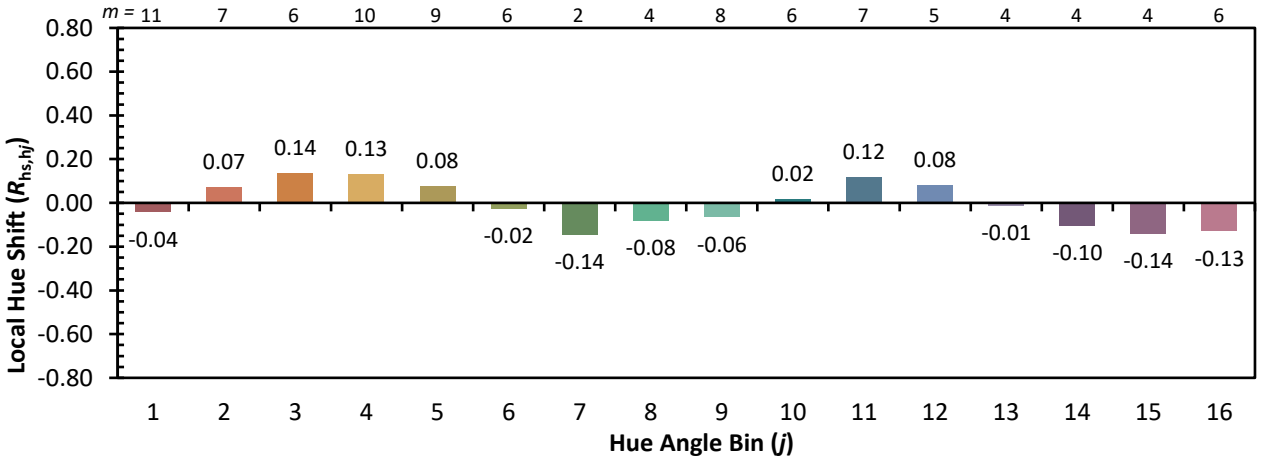
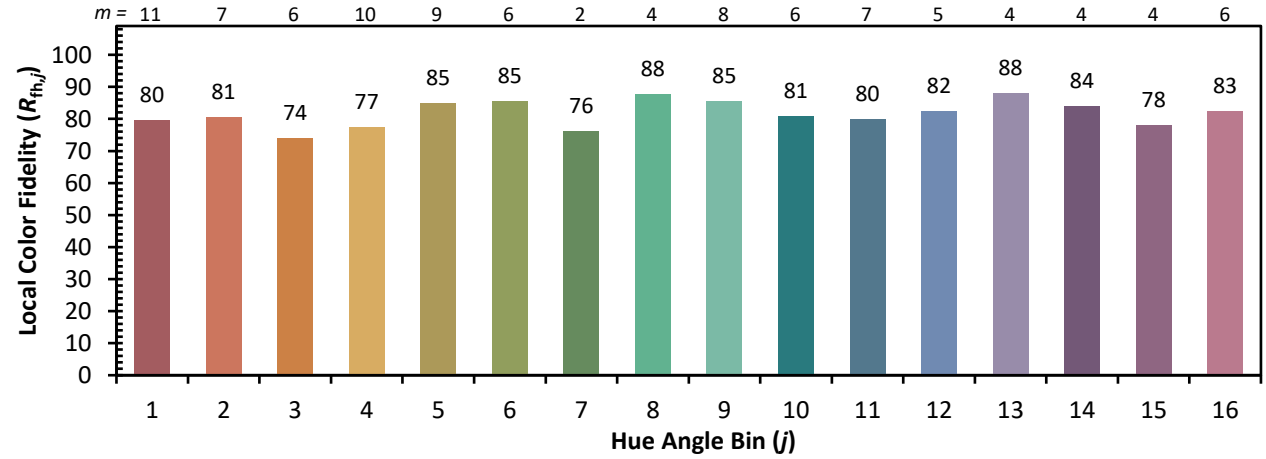
Color Rendition by Hue-Angle Bin







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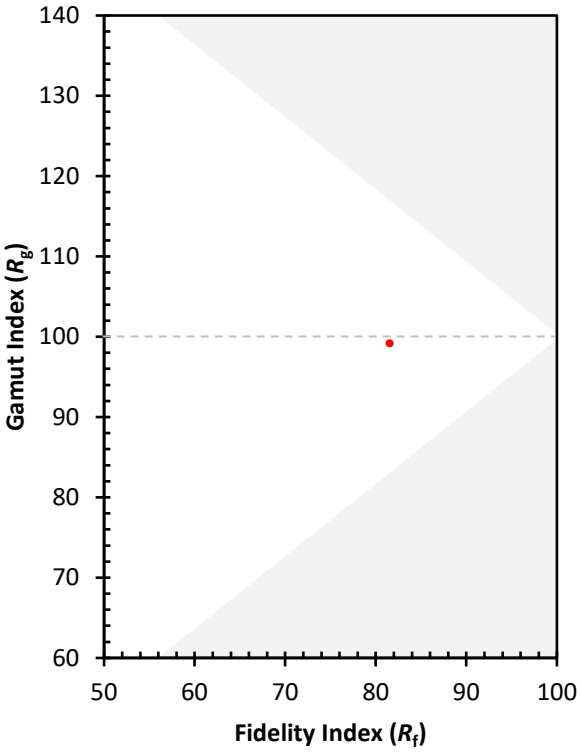
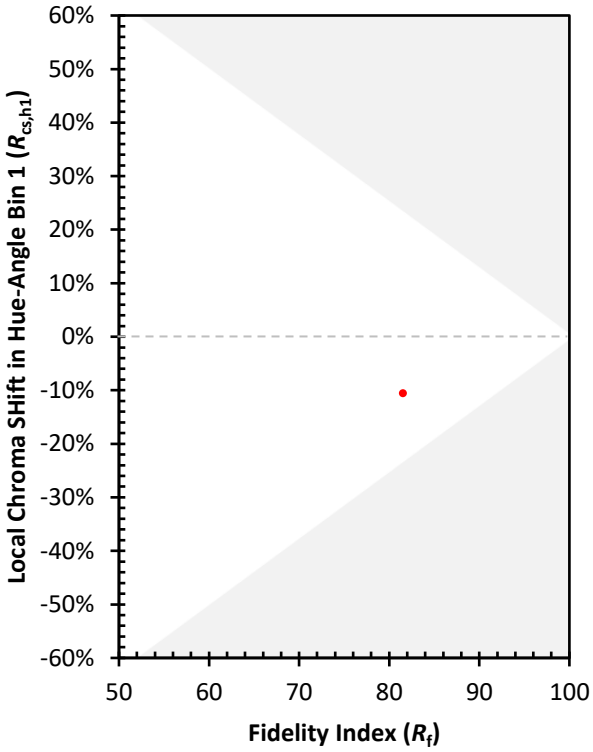
Measure Comparisons





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