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: P324982

Luminaire Tested: **GLEON-SA8D-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:	P324982
	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-SA8D-830-U-AFL-HSS
Description:	GALLEON AREA AND ROADWAY LUMINAIRE
	(8) 80 CRI, 3000K, 1200mA 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:	40451 lumens
Efficiency:	N/A
Efficacy:	79.2 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):	511
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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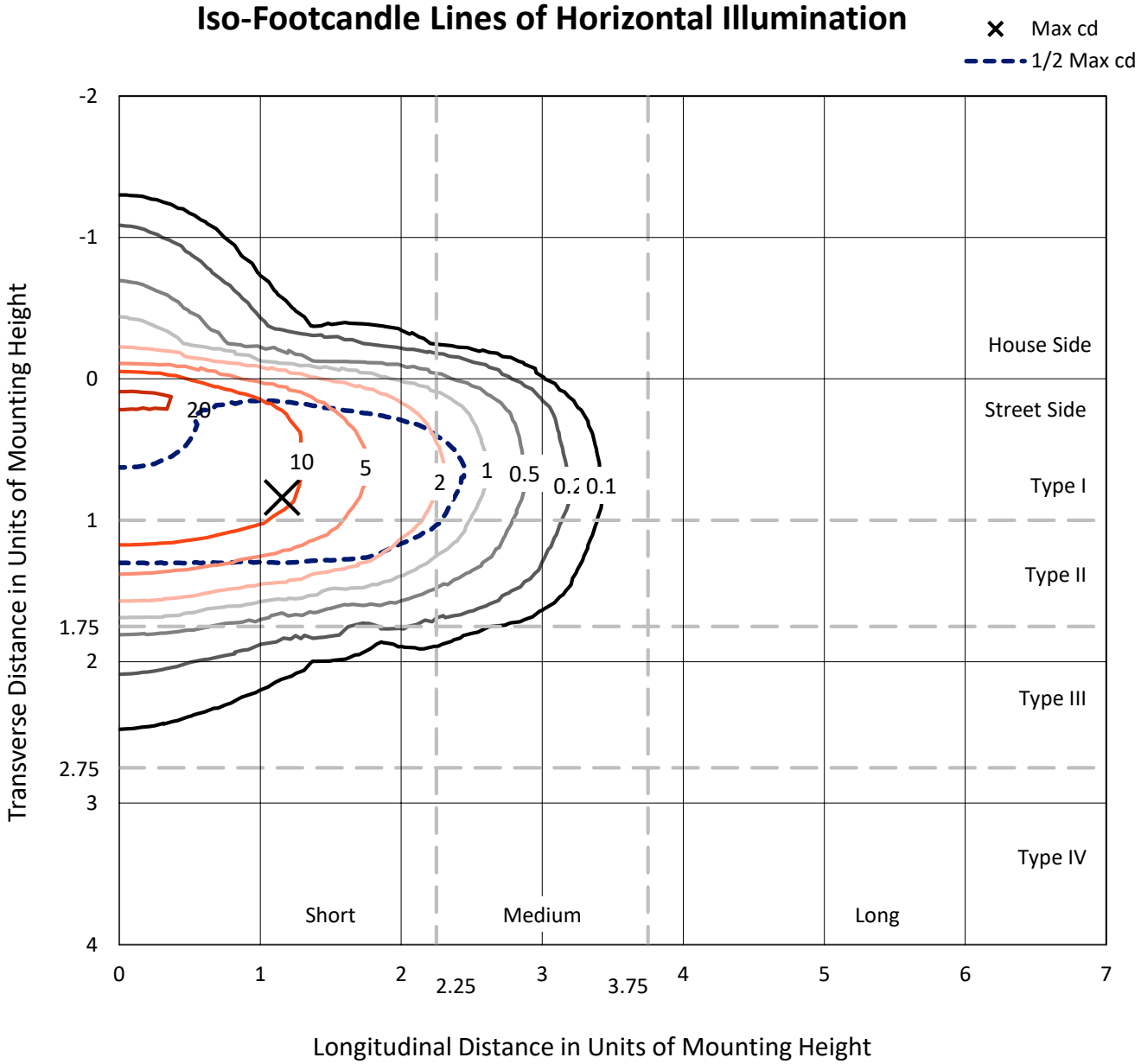
Scaled Data Report

REPORT NUMBER: P324982
CATALOG NUMBER: GLEON-SA8D-830-U-AFL-HSS

Iso-Footcandle Lines of Horizontal Illumination



Based on 25 foot mounting height. Maximum calculated value = 22.3 fc
Type II - Short - N/A

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REPORT NUMBER: P324982
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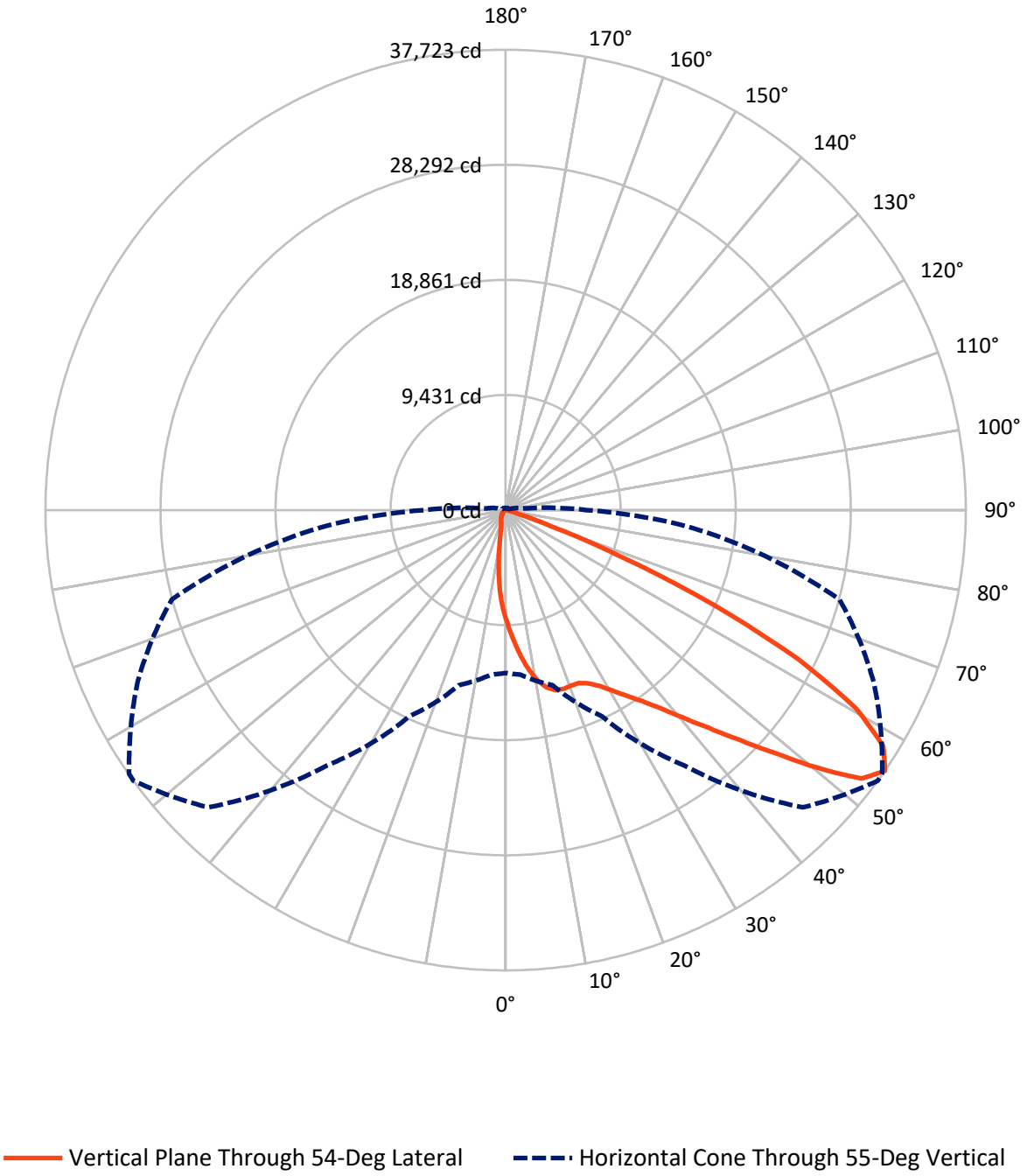
Luminous Intensity Polar Plot



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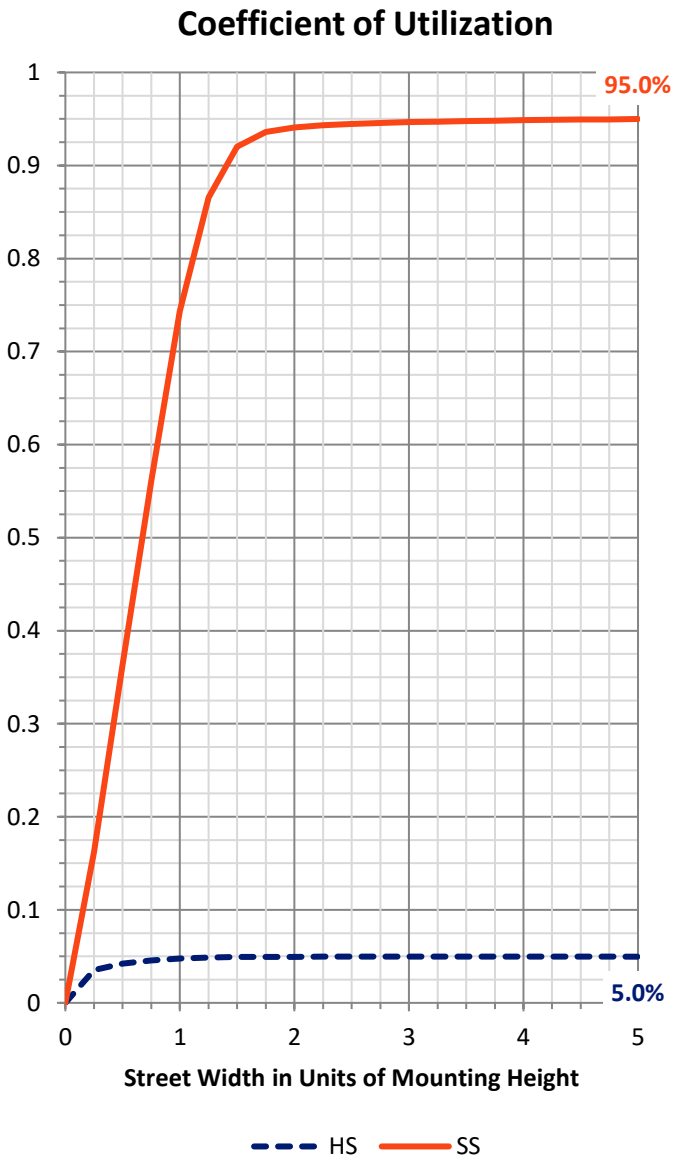
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2018.2	0.0	2018.2
	% Fixture	5.0	0.0	5.0
Street Side	Lumens	38432.8	0.0	38432.8
	% Fixture	95.0	0.0	95.0
Total	Lumens	40451.0	0.0	40451.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	834.3	2.1
10°-20°	2288.0	5.7
20°-30°	3906.4	9.7
30°-40°	6269.1	15.5
40°-50°	10018.0	24.8
50°-60°	10734.6	26.5
60°-70°	5511.4	13.6
70°-80°	834.8	2.1
80°-90°	54.4	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°	40451.0	100.0
0°-180°	40451.0	100.0



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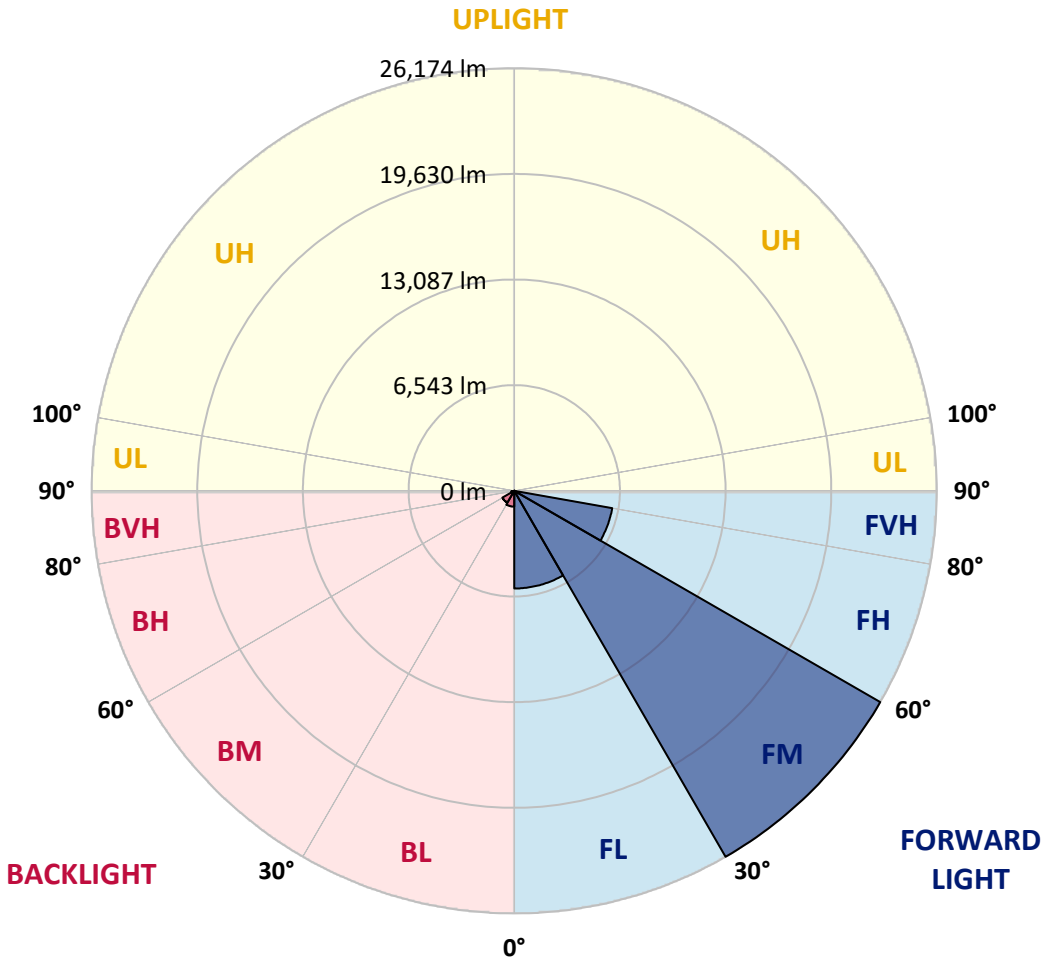
REPORT NUMBER: P324982
CATALOG NUMBER: GLEON-SA8D-830-U-AFL-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	6046.7	14.9			
FM	(30°-60°)	26173.6	64.7			
FH	(60°-80°)	6160.3	15.2			G3/7500
FVH	(80°-90°)	52.2	0.1			G1/100
BL	(0°-30°)	981.9	2.4	B2/1000		
BM	(30°-60°)	848.1	2.1	B1/1000		
BH	(60°-80°)	186.0	0.5	B1/500		G1/500
BVH	(80°-90°)	2.2	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: P324982
CATALOG NUMBER: GLEON-SA8D-830-U-AFL-HSS

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	54°	55°	65°	75°	85°
0°	9059.4	9059.4	9059.4	9059.4	9059.4	9059.4	*9059.4*	9059.4	9059.4	9059.4	9059.4
2.5°	11368.8	11199.3	11204.6	11127.7	10846.5	10626.4	*10397.5*	10343.4	9987.0	9613.2	9253.3
5°	13334.1	13210.0	13180.3	13031.8	12640.5	12226.5	*11782.8*	11679.7	10982.7	10217.6	9464.7
7.5°	14343.8	14345.5	14321.1	14266.9	14022.3	13620.5	*13079.0*	12970.7	12022.1	10874.4	9684.8
10°	14050.3	14116.7	14252.9	14432.9	14619.8	14569.1	*14162.1*	14064.3	13033.6	11569.7	9929.4
12.5°	13365.5	13374.2	13526.2	13821.4	14359.5	14911.5	*14918.5*	14885.3	13999.6	12296.4	10198.4
15°	13024.9	13058.0	13113.9	13304.4	13814.5	14698.4	*15330.8*	15377.9	14885.3	13068.5	10484.9
17.5°	13248.5	13295.6	13248.5	13271.2	13566.4	14361.2	*15402.4*	15522.9	15659.2	13831.9	10755.6
20°	13854.6	13898.3	13814.5	13721.9	13779.5	14263.4	*15351.7*	15514.2	16265.3	14509.7	10982.7
22.5°	14672.2	14689.6	14562.1	14410.1	14368.2	14595.3	*15393.6*	15561.3	16751.0	15122.9	11126.0
25°	15571.8	15587.5	15428.6	15253.9	15154.3	15246.9	*15737.8*	15863.6	17179.0	15708.1	11208.1
27.5°	16551.8	16565.8	16366.7	16151.8	16036.5	16040.0	*16305.5*	16440.0	17634.9	16375.4	11274.5
30°	17587.7	17580.8	17397.3	17098.6	16951.9	16948.4	*17123.1*	17259.3	18295.2	17231.4	11365.3
32.5°	18751.2	18737.2	18476.9	18106.6	17940.6	17965.1	*18120.5*	18199.2	19114.5	18143.3	11527.8
35°	20283.2	20243.0	19850.0	19390.5	19084.8	19076.1	*19207.1*	19270.0	20159.2	19247.3	11798.5
37.5°	22271.2	22234.5	21701.7	21034.4	20604.6	20443.9	*20599.4*	20679.7	21649.3	20664.0	12233.5
40°	24231.2	24194.5	23878.3	23266.9	22604.8	22218.8	*22341.0*	22426.6	23509.7	22383.0	12782.0
42.5°	25583.3	25614.7	25724.8	25775.4	25155.3	24344.7	*24400.6*	24489.7	25464.5	24220.7	13409.2
45°	25939.7	26007.8	26629.7	27850.8	28083.1	27450.7	*26865.5*	26914.4	27450.7	26058.4	14036.3
47.5°	24868.8	24994.6	26194.7	28465.7	30432.7	30879.9	*29772.3*	29707.7	29356.6	27545.0	14481.8
50°	22435.4	22550.7	24105.4	27464.7	31145.4	34153.6	*33255.7*	33065.2	31028.4	28434.2	14639.0
52.5°	18913.6	19053.4	20316.4	24313.3	29802.0	35614.0	*36553.8*	36394.8	32254.7	28504.1	14665.2
55°	*13356.8*	*13526.2*	*14862.6*	*18634.1*	*25544.9*	*34452.3*	*37722.5*	*37675.3*	*33273.1*	*28318.9*	*14721.1*
57.5°	7506.4	7628.7	9069.9	11945.3	18709.3	30008.2	*36501.4*	36814.1	33888.0	27997.5	14804.9
60°	3333.1	3366.3	4112.2	5946.4	10953.0	22933.2	*33005.8*	33533.4	33360.5	27567.8	14946.4
62.5°	1848.2	1820.3	1820.3	2471.9	4760.3	14197.0	*26914.4*	27786.1	31108.7	27059.4	14953.4
65°	1448.2	1422.0	1346.9	1357.3	1813.3	6301.1	*18637.6*	20187.1	26832.3	25569.3	14450.3
67.5°	1228.1	1205.4	1130.2	1100.5	1126.7	2078.8	*10240.3*	11849.2	20360.1	21696.4	12516.5
70°	1037.7	1021.9	983.5	946.8	880.4	1027.2	*3918.3*	5011.8	12546.2	14432.9	8544.1
72.5°	835.0	828.0	842.0	810.6	730.2	684.8	*1339.9*	1622.9	5635.5	6440.8	3520.0
75°	719.7	716.2	723.2	691.8	600.9	476.9	*681.3*	744.2	1589.7	1575.7	712.7
77.5°	468.2	473.4	599.2	585.2	517.1	317.9	*352.9*	380.8	482.1	361.6	216.6
80°	298.7	295.2	304.0	485.6	464.7	242.8	*176.4*	185.2	232.3	178.2	104.8
82.5°	181.7	178.2	199.1	227.1	234.1	169.4	*108.3*	110.1	145.0	115.3	55.9
85°	15.7	21.0	120.5	111.8	80.4	52.4	*52.4*	55.9	76.9	68.1	31.4
87.5°	0.0	0.0	21.0	31.4	17.5	19.2	*19.2*	21.0	29.7	29.7	15.7
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: P324982
CATALOG NUMBER: GLEON-SA8D-830-U-AFL-HSS

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	9059.4	9059.4	9059.4	9059.4	9059.4	9059.4	9059.4	9059.4	9059.4	9059.4	9059.4
2.5°	9066.4	8884.7	8517.9	8165.0	7866.3	7578.0	7249.6	6924.7	6772.7	6711.6	6648.7
5°	9082.1	8708.3	7951.9	7190.2	6400.6	5689.6	5083.5	4461.6	4150.6	4014.4	3951.5
7.5°	9103.1	8533.6	7310.8	6032.0	4760.3	3796.0	2954.0	2412.5	2178.4	2141.7	2050.9
10°	9106.6	8322.2	6566.6	4753.3	3191.6	2288.4	1760.9	1481.4	1378.3	1360.8	1331.1
12.5°	9113.6	8072.4	5740.3	3520.0	2127.7	1530.3	1273.5	1180.9	1153.0	1151.2	1151.2
15°	9134.5	7810.4	4882.6	2536.5	1528.5	1212.3	1118.0	1081.3	1070.8	1076.1	1074.3
17.5°	9134.5	7501.2	4040.6	1890.1	1235.1	1090.1	1037.7	1013.2	1009.7	1014.9	1016.7
20°	9068.1	7125.6	3268.4	1470.9	1095.3	1011.5	964.3	941.6	932.8	936.3	938.1
22.5°	8909.2	6664.4	2639.6	1217.6	1002.7	939.8	889.2	854.2	840.3	842.0	842.0
25°	8661.1	6117.6	2064.8	1053.4	927.6	863.0	803.6	763.4	754.7	752.9	756.4
27.5°	8343.2	5513.2	1643.8	927.6	838.5	777.4	718.0	684.8	677.8	679.5	681.3
30°	8030.5	4886.1	1296.2	821.0	738.9	681.3	635.9	620.1	620.1	625.4	627.1
32.5°	7744.0	4283.4	1025.4	728.5	649.8	597.4	571.2	569.5	578.2	581.7	583.5
35°	7497.7	3726.1	849.0	656.8	580.0	534.6	525.8	532.8	543.3	550.3	552.0
37.5°	7323.0	3228.3	742.4	597.4	525.8	489.1	487.4	501.4	515.3	531.1	534.6
40°	7249.6	2807.3	669.1	545.0	482.1	454.2	449.0	468.2	494.4	517.1	520.6
42.5°	7188.5	2463.1	606.2	494.4	447.2	407.0	405.3	429.7	461.2	483.9	489.1
45°	7136.1	2187.1	548.5	440.2	401.8	349.4	354.6	386.1	410.5	435.0	440.2
47.5°	7027.8	1960.0	485.6	382.6	331.9	298.7	309.2	337.2	356.4	393.1	398.3
50°	6833.9	1774.8	421.0	312.7	270.8	258.5	274.3	293.5	317.9	349.4	352.9
52.5°	6702.8	1635.1	365.1	262.0	223.6	227.1	242.8	249.8	263.8	276.0	272.5
55°	*6627.7*	*1558.2*	*319.7*	*227.1*	*190.4*	*200.9*	*204.4*	*195.7*	*188.7*	*176.4*	*171.2*
57.5°	6619.0	1488.4	284.7	197.4	167.7	172.9	160.7	131.0	106.6	92.6	89.1
60°	6605.0	1402.8	256.8	166.0	148.5	141.5	115.3	71.6	50.7	47.2	47.2
62.5°	6453.0	1270.0	235.8	139.8	125.8	106.6	66.4	33.2	28.0	29.7	29.7
65°	5969.1	1084.8	214.9	113.5	99.6	76.9	33.2	19.2	10.5	12.2	12.2
67.5°	5074.7	864.7	192.2	87.3	75.1	48.9	19.2	8.7	0.0	0.0	0.0
70°	3397.7	536.3	162.5	61.1	48.9	29.7	14.0	1.7	0.0	0.0	0.0
72.5°	1303.2	290.0	131.0	36.7	31.4	21.0	8.7	0.0	0.0	0.0	0.0
75°	293.5	190.4	90.8	26.2	22.7	14.0	3.5	0.0	0.0	0.0	0.0
77.5°	111.8	138.0	52.4	17.5	15.7	8.7	0.0	0.0	0.0	0.0	0.0
80°	54.2	82.1	24.5	10.5	8.7	3.5	0.0	0.0	0.0	0.0	0.0
82.5°	28.0	31.4	10.5	5.2	3.5	0.0	0.0	0.0	0.0	0.0	0.0
85°	15.7	15.7	5.2	3.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	8.7	5.2	1.7	1.7	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

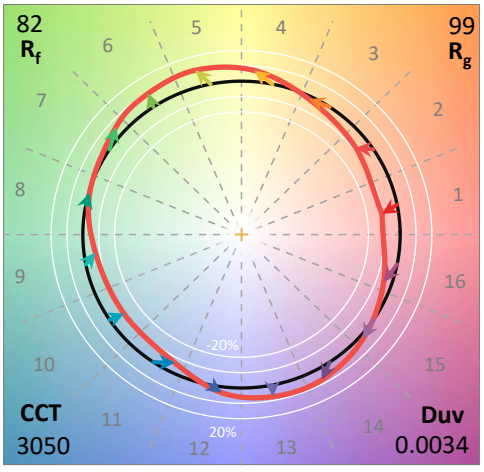
Test Information

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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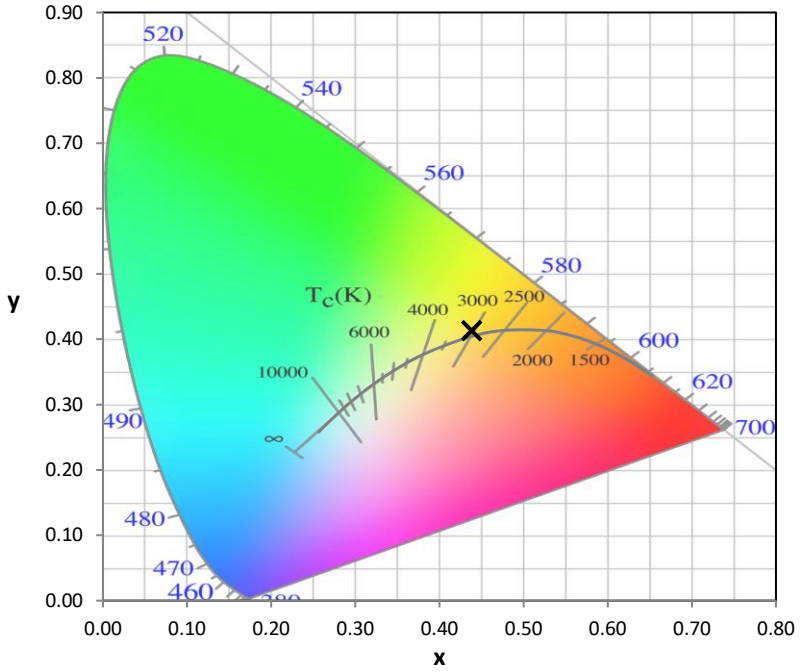
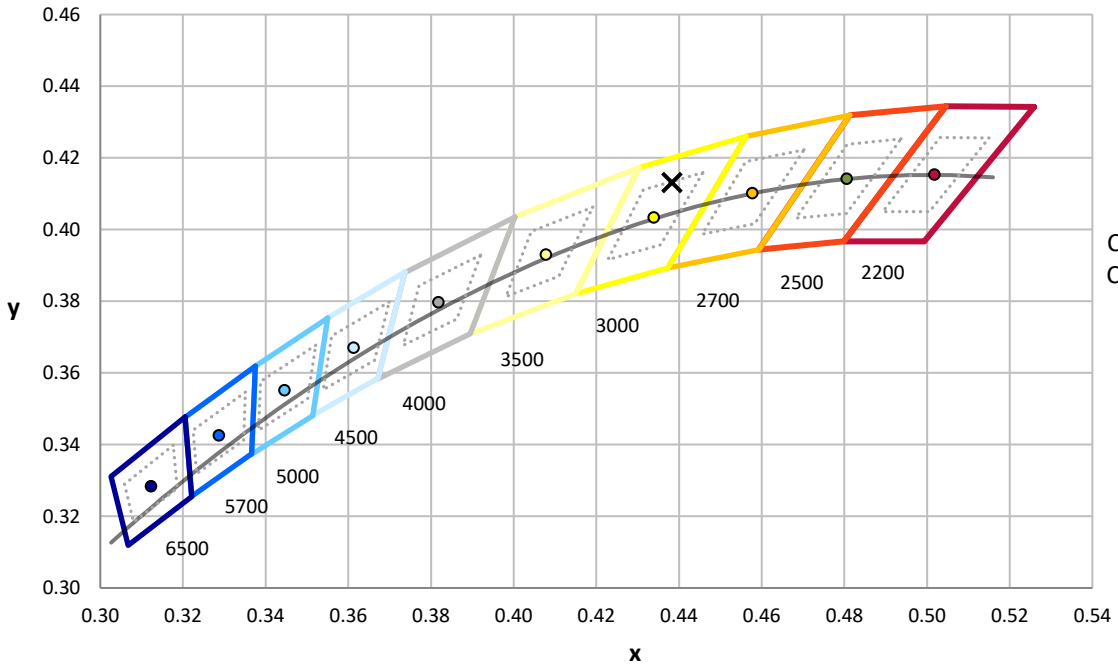
CIE 1931 Chromaticity Diagram



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

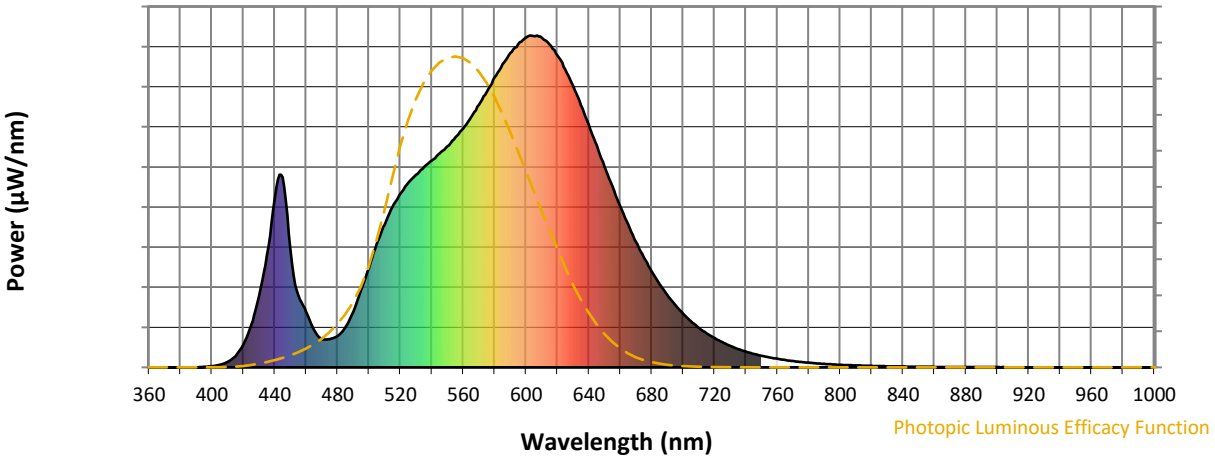


CCT = 3050K
CIE x = 0.4383
CIE y = 0.4131
Duv = 0.0034

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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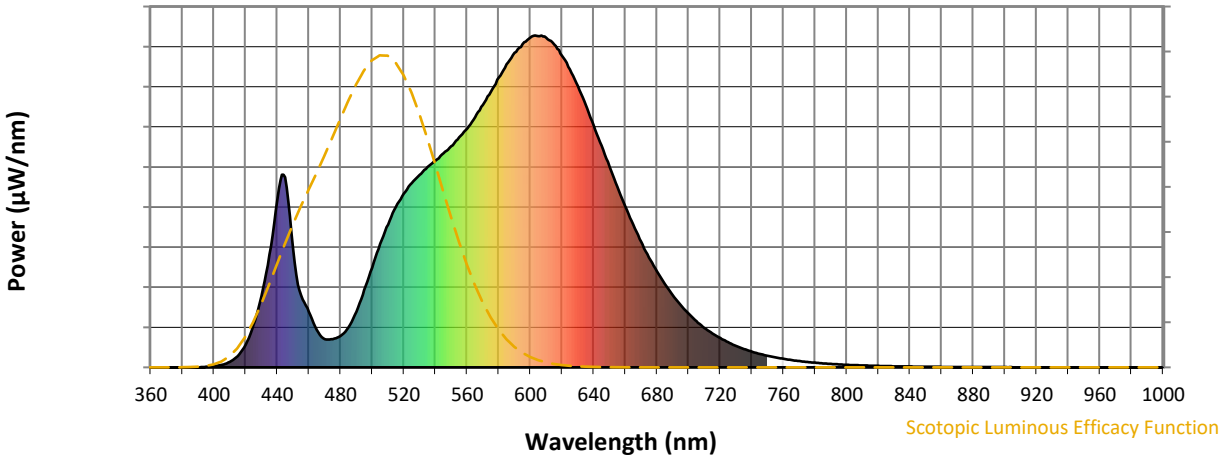
Scotopic Flux vs. Wavelength



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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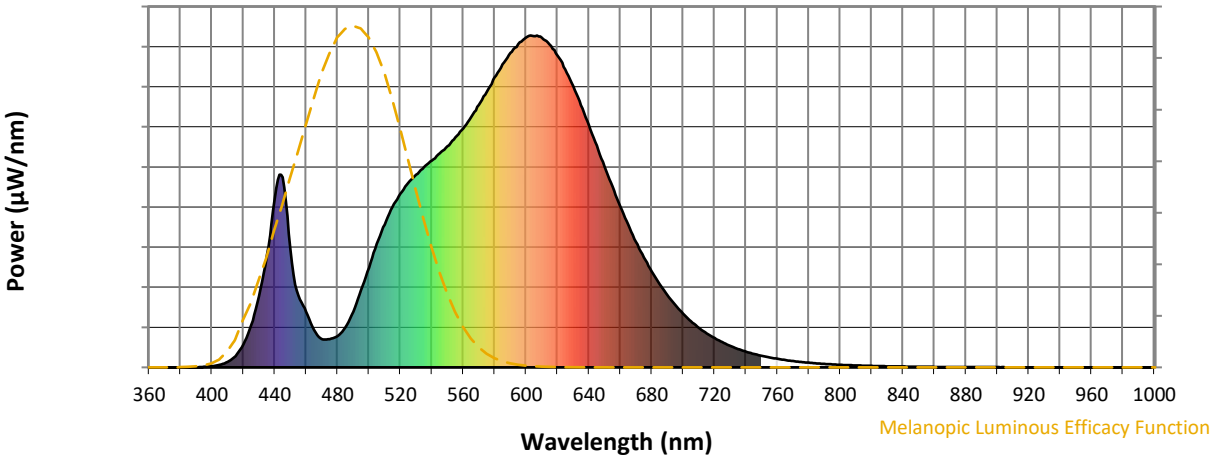
Melanopic Flux vs. Wavelength



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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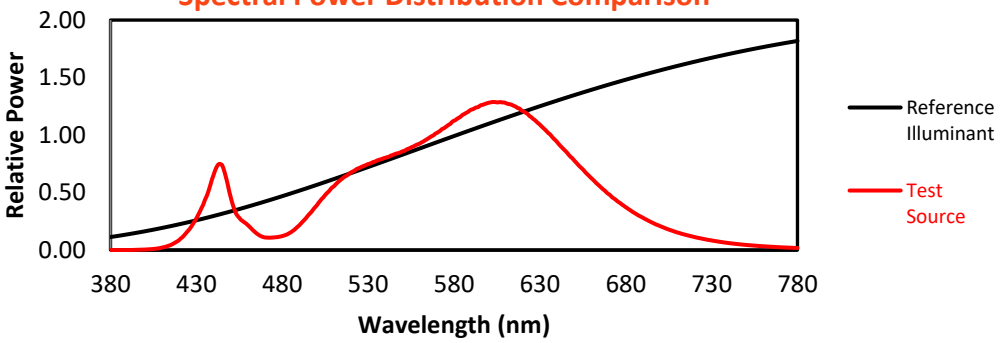
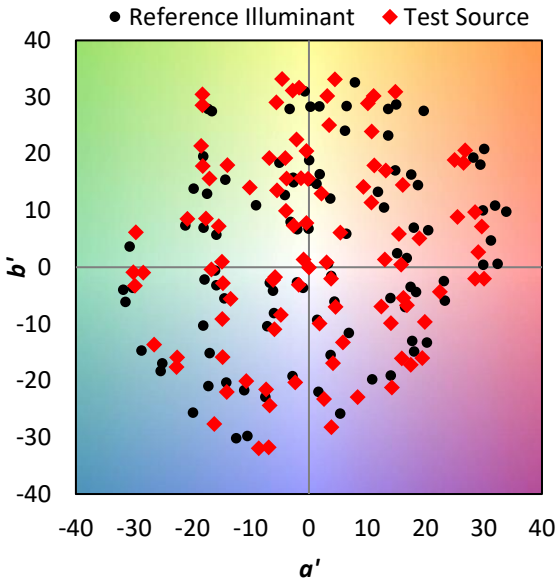
Summary

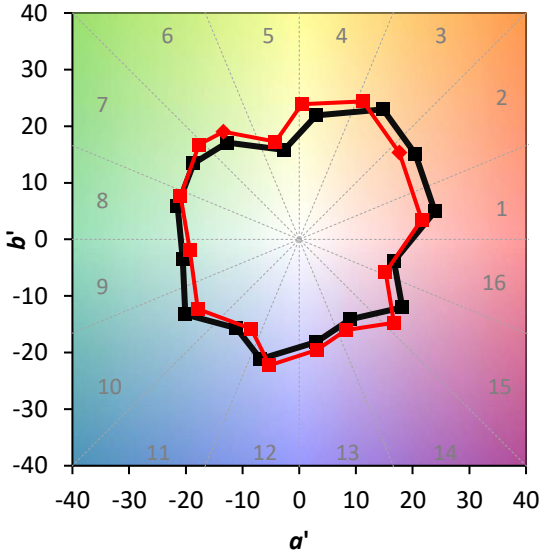
R_f = 81.5
R_g = 99.2
CIE R_a = 81.0
R_9 = 7.1

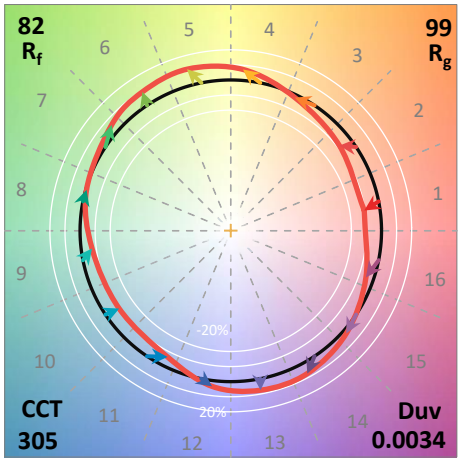
Spectral Power Distribution Comparison

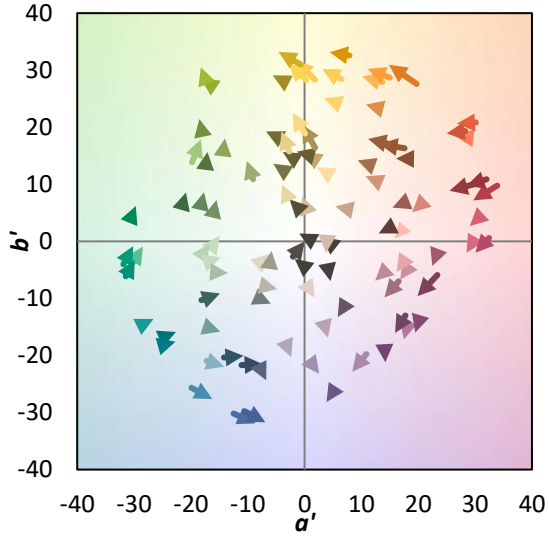


Color Vector Graphics









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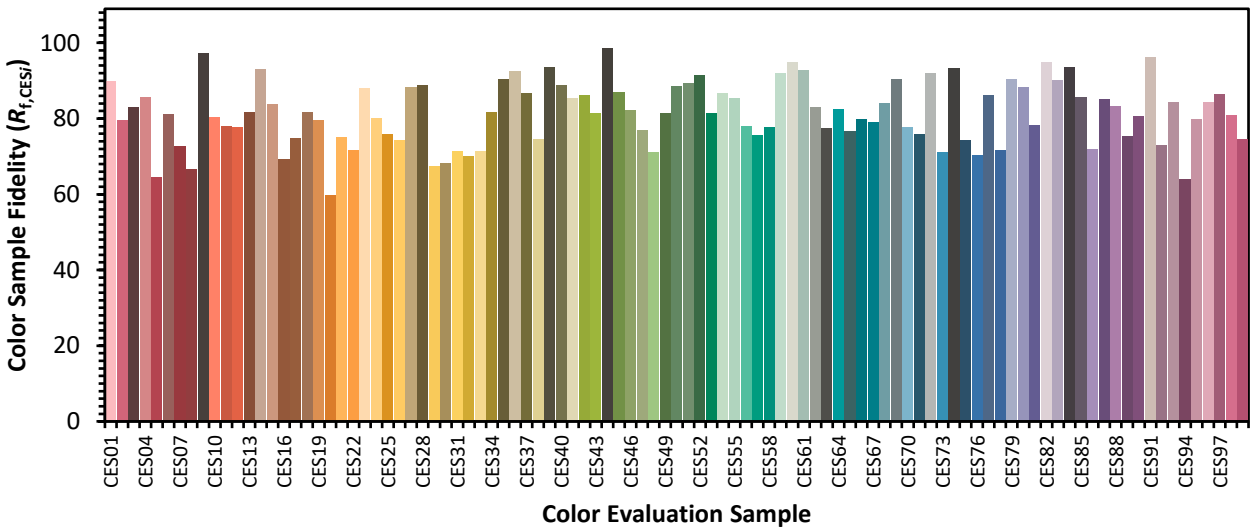
Individual Sample Fidelity Index ($R_{f,i}$)

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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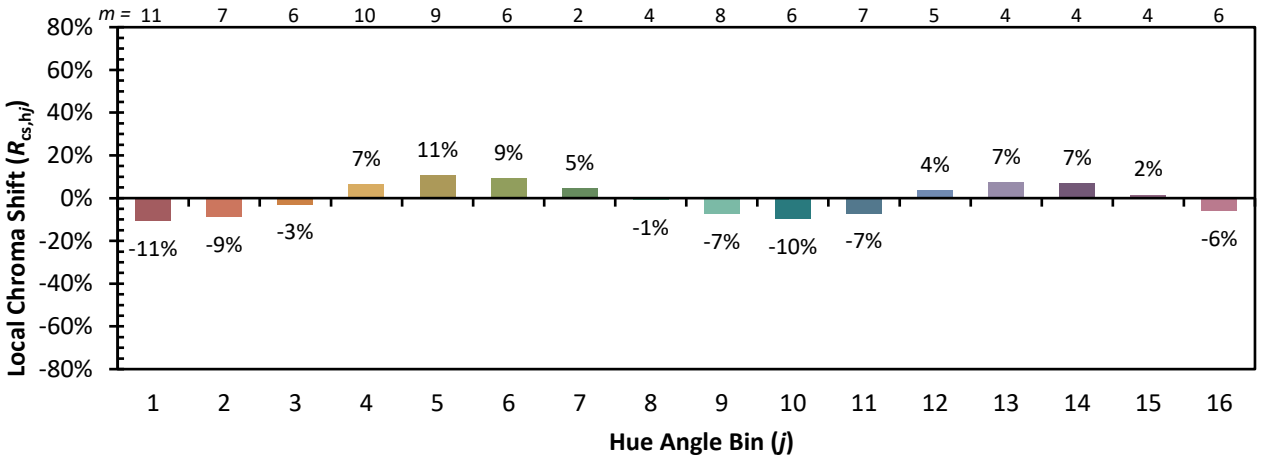
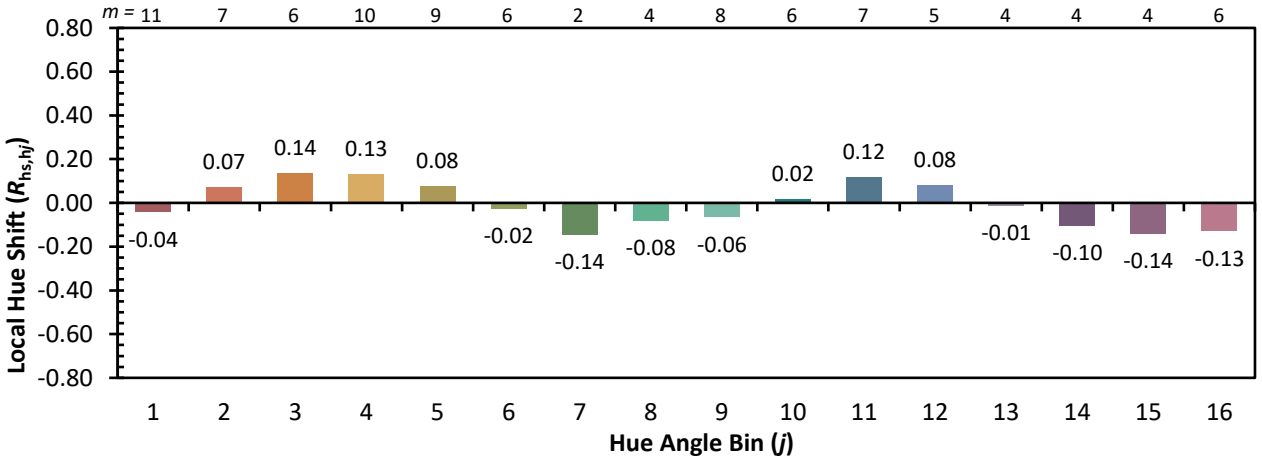
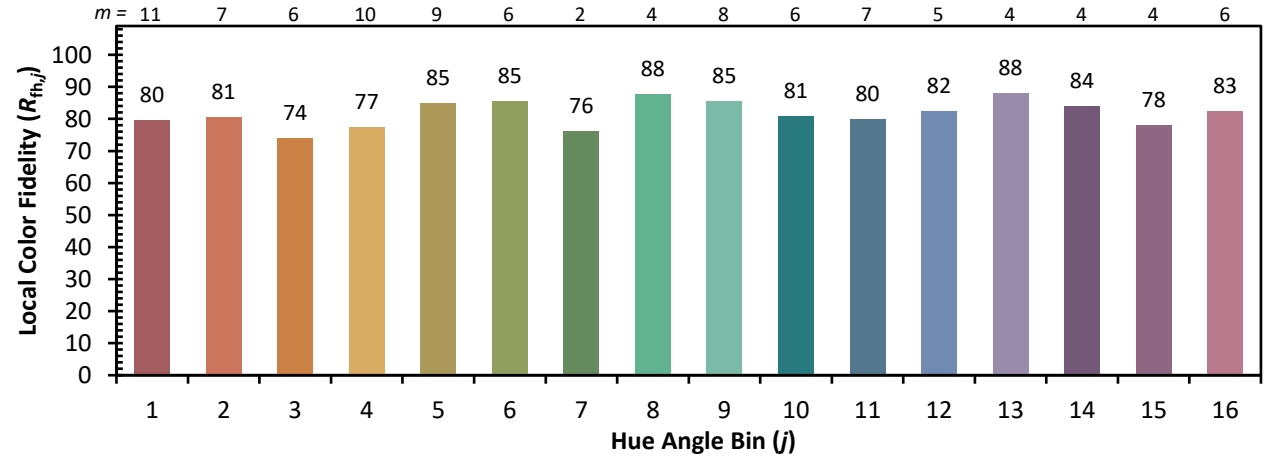
Color Rendition by Hue-Angle Bin







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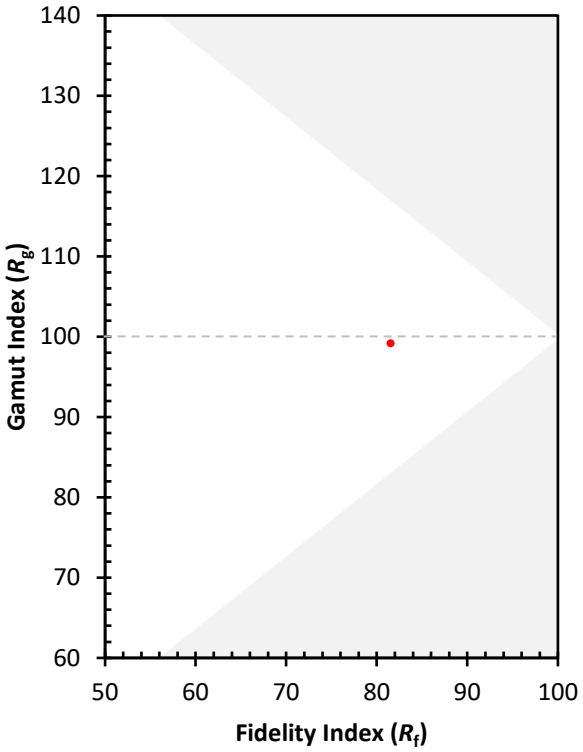
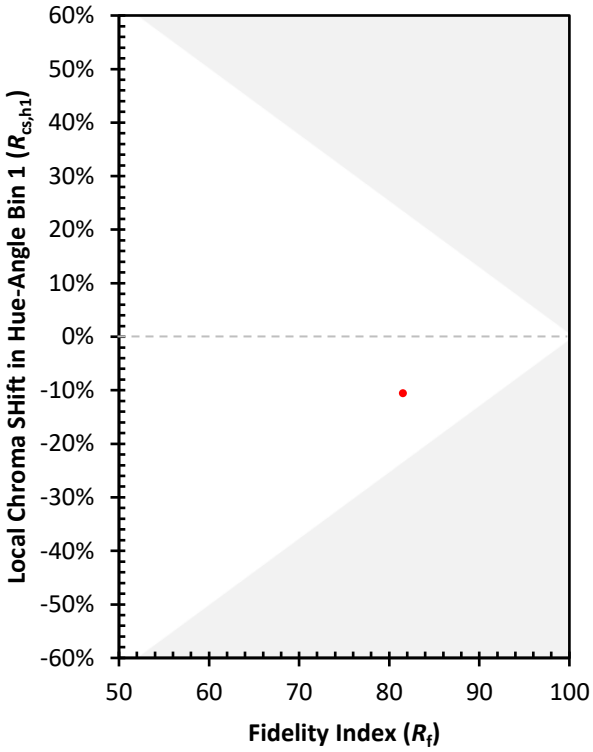
Measure Comparisons





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