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: P322742

Luminaire Tested: **GLEON-SA8D-830-U-T4FT-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:	P322742
	TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-17)
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-T4FT-HSS
Description:	GALLEON AREA AND ROADWAY LUMINAIRE
	(8) 80 CRI, 3000K, 1200mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE IV FORWARD THROW OPTICS WITH HOUSE SIDE SHIELD
Light Source:	-
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	35091 lumens
Efficiency:	N/A
Efficacy:	68.7 lumens/watt
Luminous Opening:	Rectangular (W 2' x L: 1' x H: 0')
IES Classification:	Type IV - Short
BUG Rating:	B3 - U0 - G5

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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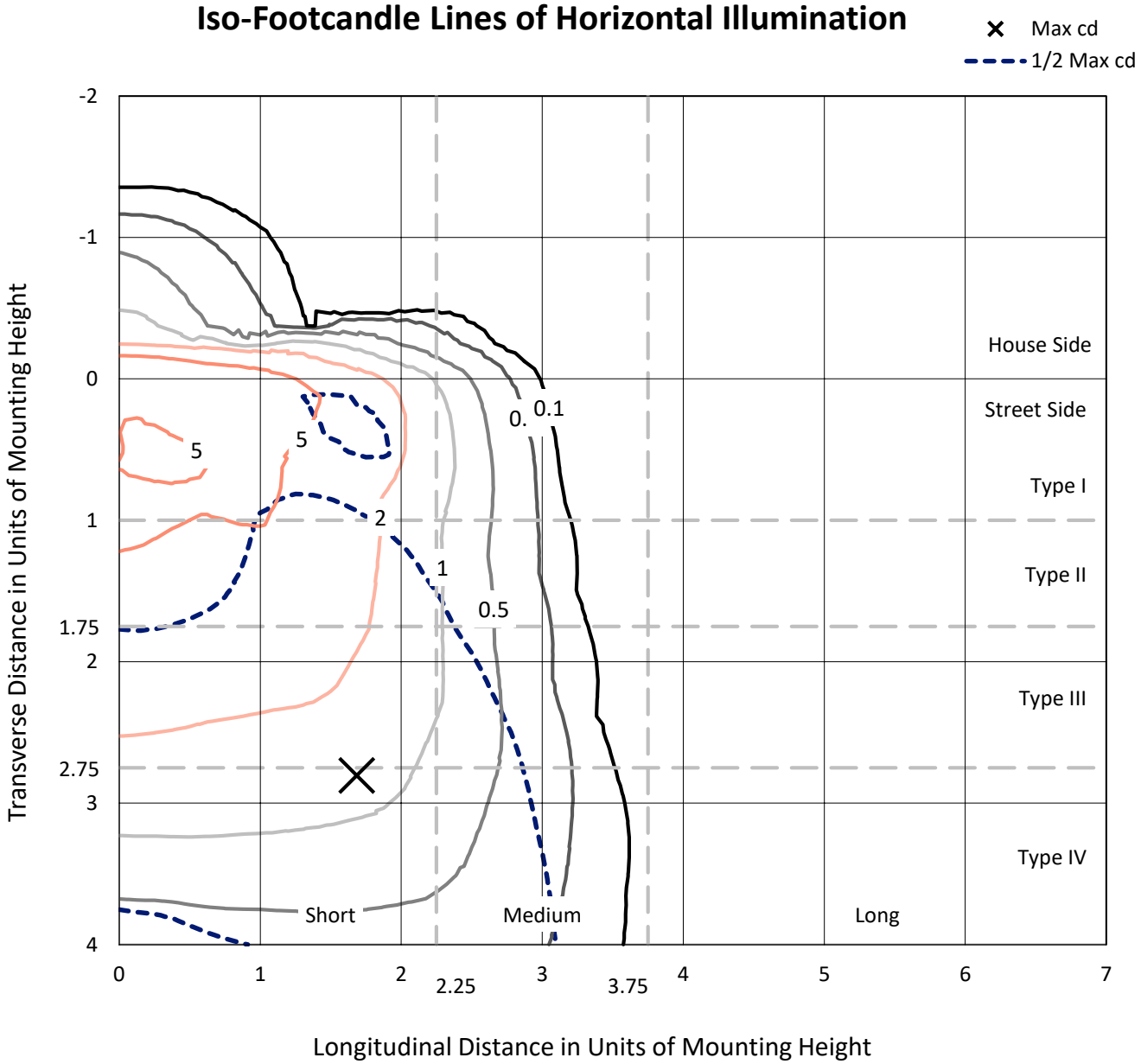
Scaled Data Report

REPORT NUMBER: P322742
CATALOG NUMBER: GLEON-SA8D-830-U-T4FT-HSS

Iso-Footcandle Lines of Horizontal Illumination



Based on 25 foot mounting height. Maximum calculated value = 9.7 fc
Type IV - Short - N/A

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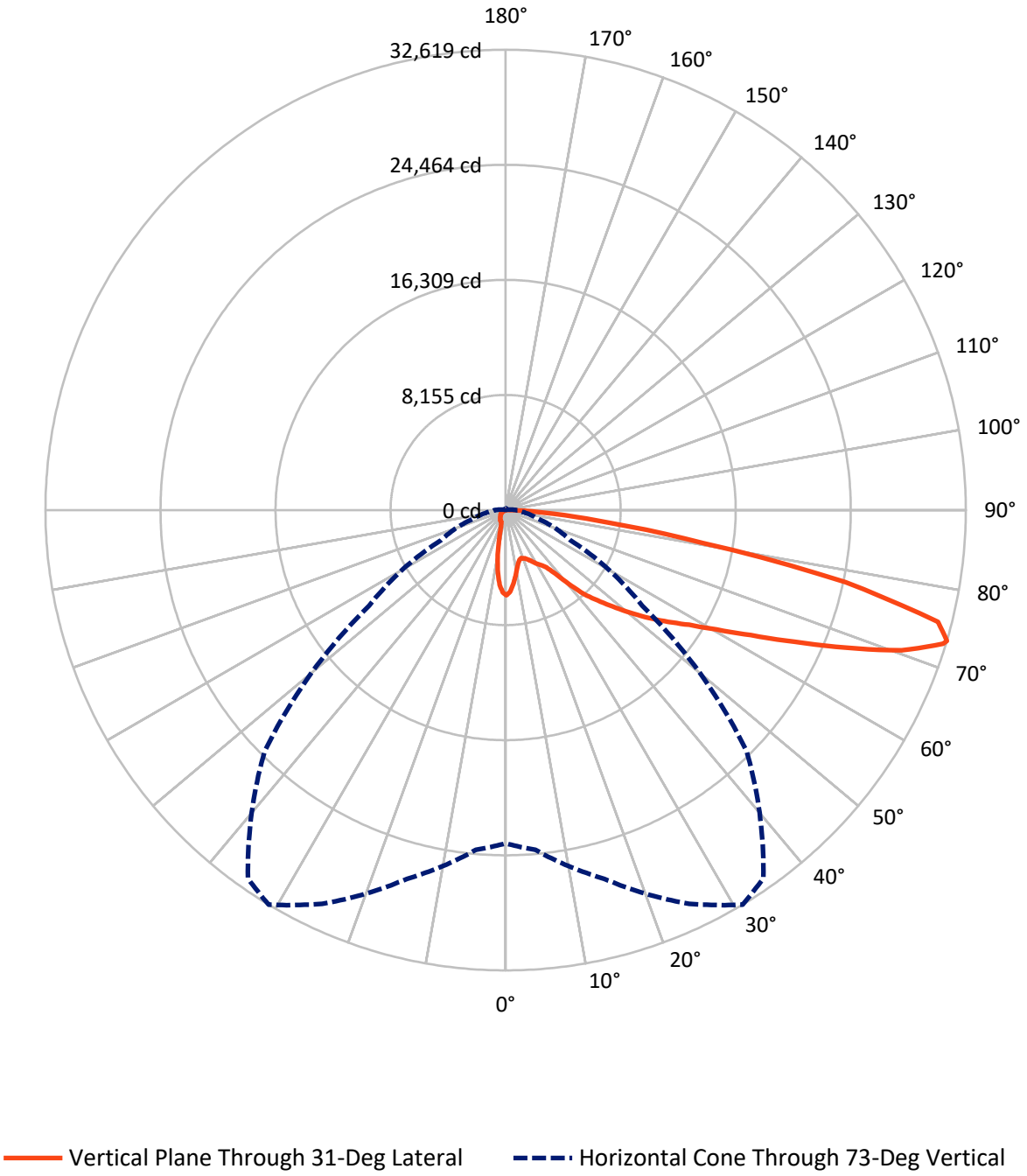
Luminous Intensity Polar Plot



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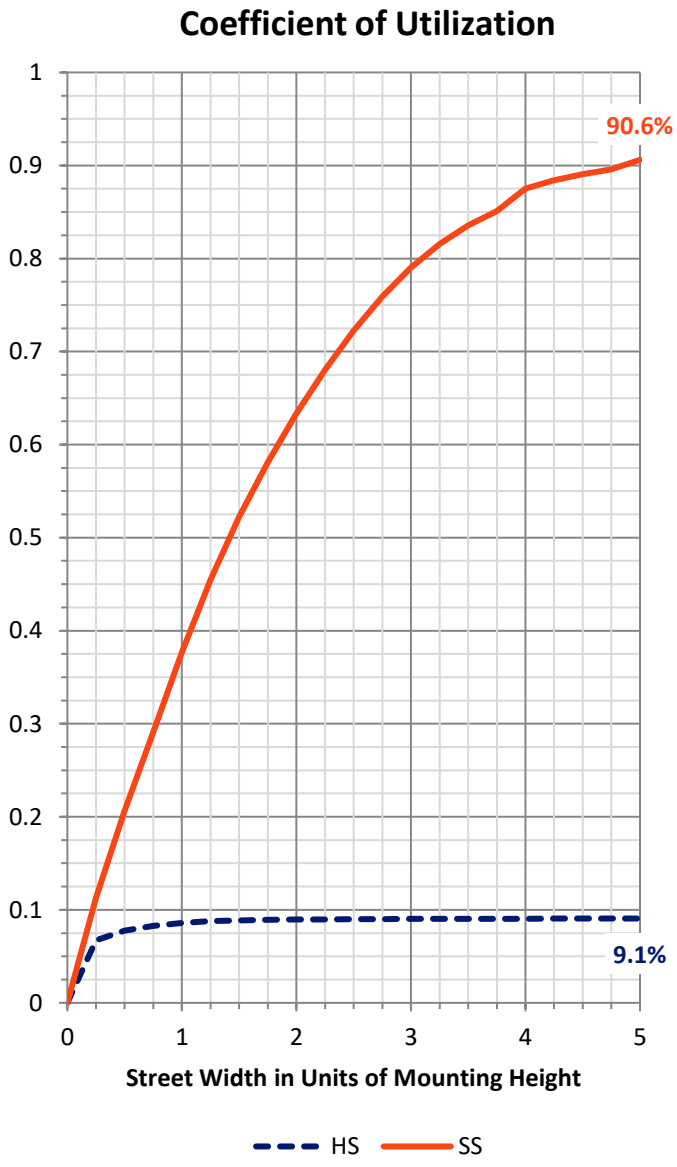
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3198.7	0.0	3198.7
	% Fixture	9.1	0.0	9.1
Street Side	Lumens	31892.3	0.0	31892.3
	% Fixture	90.9	0.0	90.9
Total	Lumens	35091.0	0.0	35091.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	500.6	1.4
10°-20°	1086.9	3.1
20°-30°	1628.5	4.6
30°-40°	2591.0	7.4
40°-50°	4626.8	13.2
50°-60°	7179.5	20.5
60°-70°	9544.1	27.2
70°-80°	7179.1	20.5
80°-90°	754.4	2.1
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°	35091.0	100.0
0°-180°	35091.0	100.0



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REPORT NUMBER: P322742
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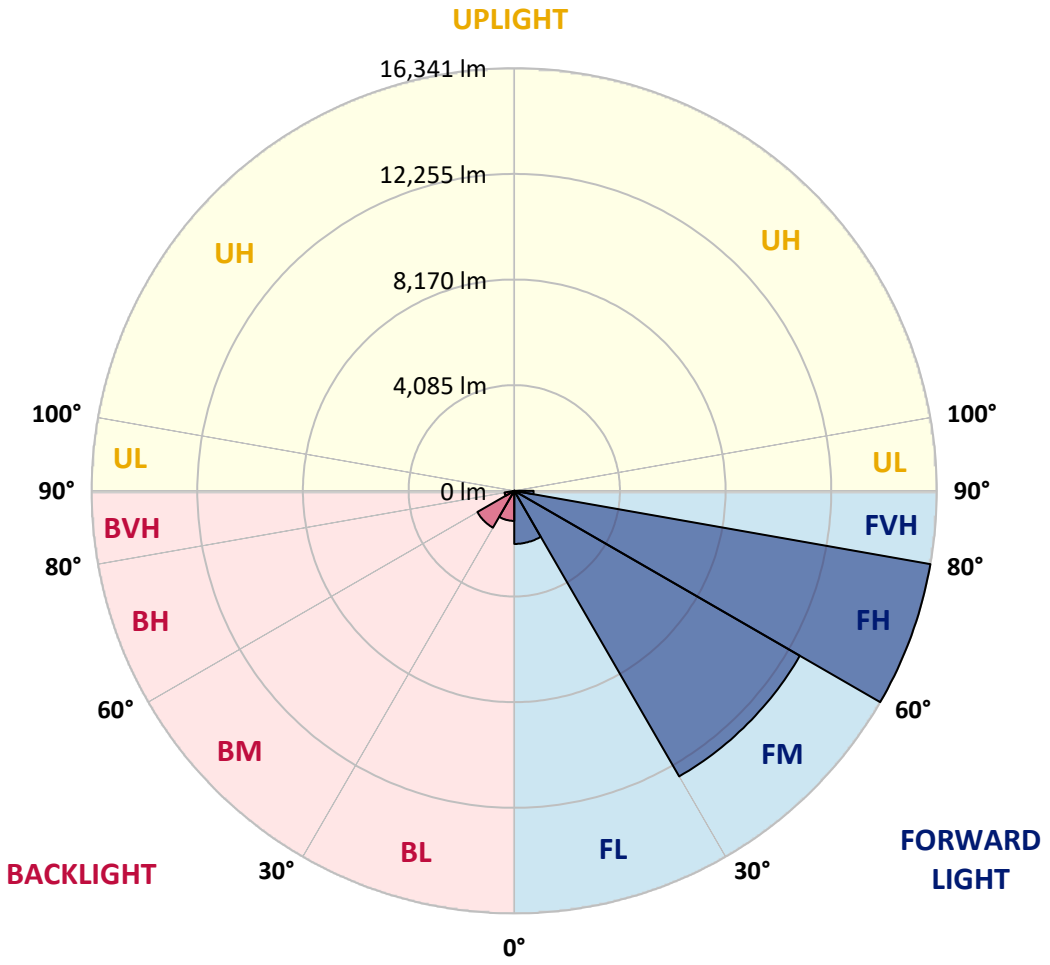
LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	2052.9	5.9			
FM	(30°-60°)	12750.9	36.3			
FH	(60°-80°)	16340.6	46.6			G5
FVH	(80°-90°)	748.0	2.1			G4/750
BL	(0°-30°)	1163.2	3.3	B3/2500		
BM	(30°-60°)	1646.4	4.7	B2/2500		
BH	(60°-80°)	382.7	1.1	B1/500		G1/500
BVH	(80°-90°)	6.3	0.0			G0/10
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G5
Type IV Short



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Scaled Data Report

REPORT NUMBER: P322742
CATALOG NUMBER: GLEON-SA8D-830-U-T4FT-HSS

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	31°	35°	45°	55°	65°	75°	85°
0°	6037.5	6037.5	6037.5	6037.5	6037.5	6037.5	6037.5	6037.5	6037.5	6037.5	6037.5
2.5°	5721.5	5745.6	5771.3	5776.5	5819.4	5821.1	5882.9	5929.3	5975.7	6020.3	6035.8
5°	5134.3	5173.8	5220.1	5266.5	5357.5	5393.5	5544.7	5699.2	5846.9	5987.7	6056.4
7.5°	4507.5	4552.1	4617.4	4732.4	4833.8	4904.2	5142.8	5417.6	5692.3	5951.6	6101.0
10°	3935.7	3976.9	4045.6	4167.5	4323.8	4419.9	4741.0	5122.2	5525.8	5919.0	6168.0
12.5°	3571.7	3594.0	3631.8	3762.3	3903.1	4011.2	4389.0	4861.2	5388.4	5917.3	6276.2
15°	3504.7	3511.6	3480.7	3539.0	3648.9	3753.7	4136.6	4650.0	5283.7	5944.8	6417.0
17.5°	3611.2	3607.7	3504.7	3497.8	3585.4	3671.3	4013.0	4504.1	5209.8	6008.3	6599.0
20°	3772.6	3760.5	3582.0	3549.3	3642.1	3722.8	4004.4	4449.1	5182.3	6114.7	6820.5
22.5°	3987.2	3966.6	3686.7	3652.4	3752.0	3836.1	4110.8	4502.4	5206.4	6257.3	7078.1
25°	4253.4	4222.5	3867.0	3829.2	3930.5	4014.7	4301.4	4655.2	5278.5	6430.7	7404.3
27.5°	4553.9	4509.2	4155.5	4057.6	4172.7	4260.2	4555.6	4888.7	5391.8	6614.4	7804.4
30°	4837.2	4778.8	4459.4	4298.0	4438.8	4536.7	4830.3	5166.9	5573.8	6897.8	8352.2
32.5°	5122.2	5057.0	4730.7	4538.4	4665.5	4771.9	5113.7	5549.8	5915.6	7330.5	9080.3
35°	5778.2	5709.5	5309.4	4991.7	4990.0	5050.1	5510.3	6073.5	6367.2	7933.2	9949.1
37.5°	6882.3	6842.8	6461.6	5858.9	5697.5	5630.5	6051.2	6698.6	7016.3	8762.6	10929.6
40°	8091.2	8056.8	7629.3	7083.2	6837.7	6672.8	6827.4	7569.2	7933.2	9775.7	11930.7
42.5°	9456.3	9293.2	8530.8	8367.6	8147.8	8022.5	7883.4	8642.4	9059.7	10878.1	12923.2
45°	10696.1	10421.3	9432.3	9185.0	9135.2	9166.1	9243.4	10084.8	10326.9	12188.3	13912.3
47.5°	11434.5	11218.1	10459.1	10222.2	10208.4	10412.8	10996.6	11714.4	11589.0	13330.2	14782.9
50°	12136.8	11941.0	11310.8	11369.2	11432.7	11710.9	12986.8	13390.3	12741.2	14365.6	15581.4
52.5°	12705.1	12406.4	12076.7	12404.6	12717.2	13165.3	15040.5	14894.5	13558.6	15189.9	16264.8
55°	13033.1	12897.5	13057.2	13386.9	13974.1	14702.2	16979.1	16146.3	14156.1	15942.0	16719.8
57.5°	14235.1	13969.0	14286.6	14571.7	15337.5	16355.8	18639.6	17078.7	14587.1	16407.3	16824.6
60°	15689.5	15474.9	15662.1	16136.0	17169.7	18366.6	20191.9	17839.4	14812.1	16706.1	16553.3
62.5°	18004.3	17720.9	17604.2	18134.8	19505.0	20811.8	21369.9	18366.6	14762.3	16573.9	15622.6
65°	21105.4	20811.8	20289.8	20770.6	22513.5	23435.6	22686.9	18478.2	14418.9	15504.1	13270.1
67.5°	24282.1	24069.2	23622.8	24433.2	26006.1	26303.2	24079.5	18206.9	13313.0	12571.2	9375.6
70°	26380.5	26289.5	26579.7	28372.4	29775.3	29689.4	25357.1	16749.0	10376.7	7730.6	4638.0
72.5°	24867.7	25303.8	27446.8	30697.4	32411.1	31710.5	24701.1	12861.4	5931.0	2974.1	1341.1
73°	23614.2	24172.2	27057.0	30785.0	32618.9	31851.3	24149.9	11805.4	5055.3	2347.3	1016.5
75°	16427.9	17113.1	22400.1	28671.2	31647.0	30347.1	20130.1	7225.7	2342.2	1040.6	410.4
77.5°	7976.1	8482.7	12334.2	20715.6	24611.8	23710.3	12531.7	2692.5	1057.8	650.8	188.9
80°	2977.5	3310.7	5354.1	10543.3	14223.1	14595.7	5512.0	1018.3	704.0	523.7	96.2
82.5°	779.6	868.9	1974.7	4701.5	7289.3	7629.3	1737.7	513.4	515.1	431.0	58.4
85°	249.0	285.0	616.5	2110.4	3434.3	3015.3	453.3	249.0	374.3	321.1	32.6
87.5°	30.9	39.5	195.8	496.3	757.3	420.7	70.4	73.8	159.7	178.6	18.9
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: P322742
CATALOG NUMBER: GLEON-SA8D-830-U-T4FT-HSS

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	6037.5	6037.5	6037.5	6037.5	6037.5	6037.5	6037.5	6037.5	6037.5	6037.5	6037.5
2.5°	6051.2	6042.6	6044.3	5999.7	5970.5	5912.1	5852.0	5824.6	5795.4	5783.3	5795.4
5°	6082.1	6066.7	6022.0	5884.7	5738.7	5549.8	5372.9	5239.0	5070.7	5024.4	5072.4
7.5°	6130.2	6099.3	5968.8	5688.9	5364.4	5003.8	4598.5	4303.2	4061.0	3904.8	3961.5
10°	6200.6	6142.2	5879.5	5403.9	4823.5	4184.7	3609.4	3161.3	2843.6	2713.1	2707.9
12.5°	6319.1	6209.2	5769.6	5032.9	4162.4	3310.7	2556.8	2070.9	1813.3	1646.7	1643.3
15°	6449.6	6288.2	5630.5	4588.2	3393.1	2371.4	1646.7	1277.6	1111.0	1057.8	1050.9
17.5°	6609.3	6379.2	5450.2	4040.4	2587.7	1571.2	1074.9	968.5	961.6	956.4	956.4
20°	6810.2	6487.4	5218.4	3413.7	1835.6	1049.2	913.5	920.4	923.8	917.0	918.7
22.5°	7043.7	6597.3	4941.9	2740.6	1241.5	877.5	874.0	882.6	886.0	882.6	884.3
25°	7315.0	6724.3	4605.4	2034.8	896.3	832.8	841.4	853.4	862.0	862.0	862.0
27.5°	7651.6	6878.9	4200.1	1420.1	774.4	786.5	810.5	832.8	844.8	848.3	848.3
30°	8089.5	7071.2	3714.2	973.6	704.0	724.6	769.3	812.2	834.5	838.0	839.7
32.5°	8642.4	7287.6	3151.0	719.5	643.9	659.4	707.5	779.6	822.5	829.4	829.4
35°	9276.0	7538.3	2544.8	626.8	601.0	606.2	643.9	726.4	801.9	820.8	822.5
37.5°	9969.7	7785.5	1935.2	585.5	564.9	564.9	592.4	662.8	752.1	810.5	817.4
40°	10617.1	7934.9	1356.5	552.9	532.3	532.3	556.4	607.9	692.0	779.6	798.5
42.5°	11214.7	7986.4	944.4	522.0	501.4	506.6	527.2	568.4	631.9	719.5	736.7
45°	11829.4	7977.9	688.6	486.0	470.5	486.0	501.4	532.3	578.7	628.5	631.9
47.5°	12293.0	7905.7	546.1	451.6	441.3	461.9	475.6	496.3	522.0	518.6	518.6
50°	12727.5	7730.6	439.6	405.2	412.1	436.2	443.0	449.9	451.6	419.0	415.5
52.5°	13057.2	7457.6	352.0	355.4	382.9	407.0	400.1	389.8	372.6	333.1	326.3
55°	13167.1	6932.1	276.5	293.6	340.0	370.9	345.1	322.8	290.2	257.6	250.7
57.5°	12967.9	6253.8	224.9	228.4	286.8	312.5	283.3	257.6	221.5	194.0	188.9
60°	12545.5	5500.0	185.5	171.7	221.5	243.8	224.9	199.2	166.6	146.0	144.2
62.5°	11707.5	4696.4	152.8	133.9	168.3	187.2	175.1	156.3	128.8	115.0	113.3
65°	9945.7	3757.1	123.6	108.2	130.5	146.0	135.7	121.9	101.3	91.0	89.3
67.5°	6942.4	2539.7	101.3	89.3	103.0	115.0	106.5	99.6	80.7	79.0	80.7
70°	3348.4	1224.3	84.1	72.1	80.7	89.3	85.9	80.7	77.3	89.3	103.0
72.5°	959.9	410.4	67.0	60.1	65.3	70.4	73.8	72.1	84.1	108.2	125.4
73°	*738.4*	*331.4*	*63.5*	*56.7*	*61.8*	*68.7*	*72.1*	*70.4*	*85.9*	*109.9*	*125.4*
75°	316.0	159.7	48.1	46.4	51.5	60.1	63.5	63.5	85.9	111.6	120.2
77.5°	142.5	85.9	30.9	36.1	44.6	48.1	53.2	53.2	68.7	85.9	85.9
80°	80.7	46.4	24.0	27.5	32.6	32.6	32.6	29.2	30.9	34.3	37.8
82.5°	51.5	30.9	18.9	22.3	20.6	17.2	13.7	13.7	12.0	13.7	17.2
85°	29.2	17.2	17.2	13.7	8.6	6.9	8.6	6.9	1.7	0.0	1.7
87.5°	17.2	10.3	5.2	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

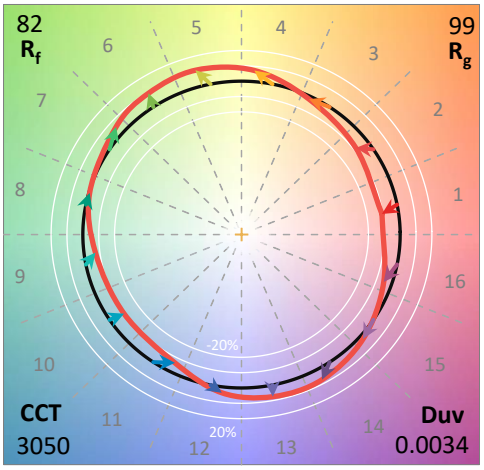
Test Information

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

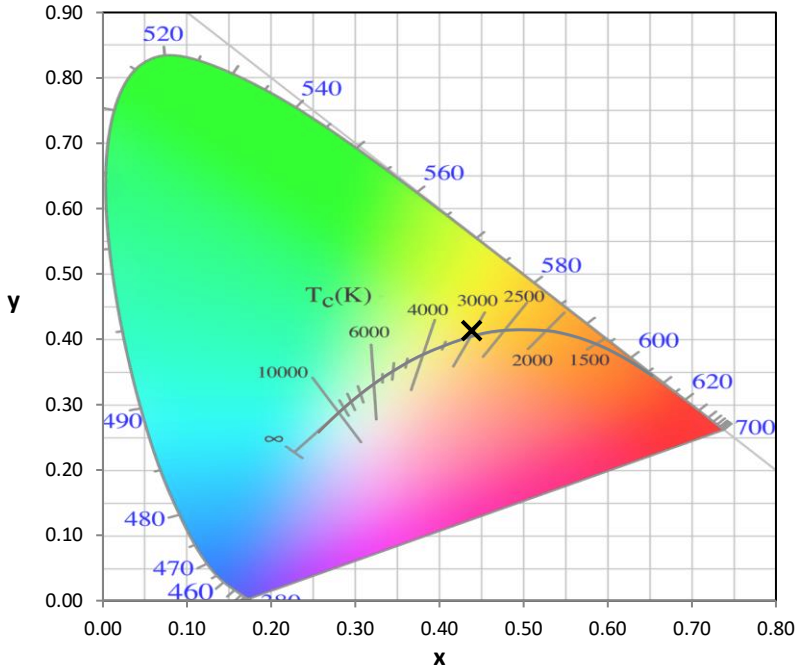
Stabilization Time:	20M
Operation Time:	1H 20M
Sphere Temperature (°C):	24.2

REPORT NUMBER: SP1-2408-195-9

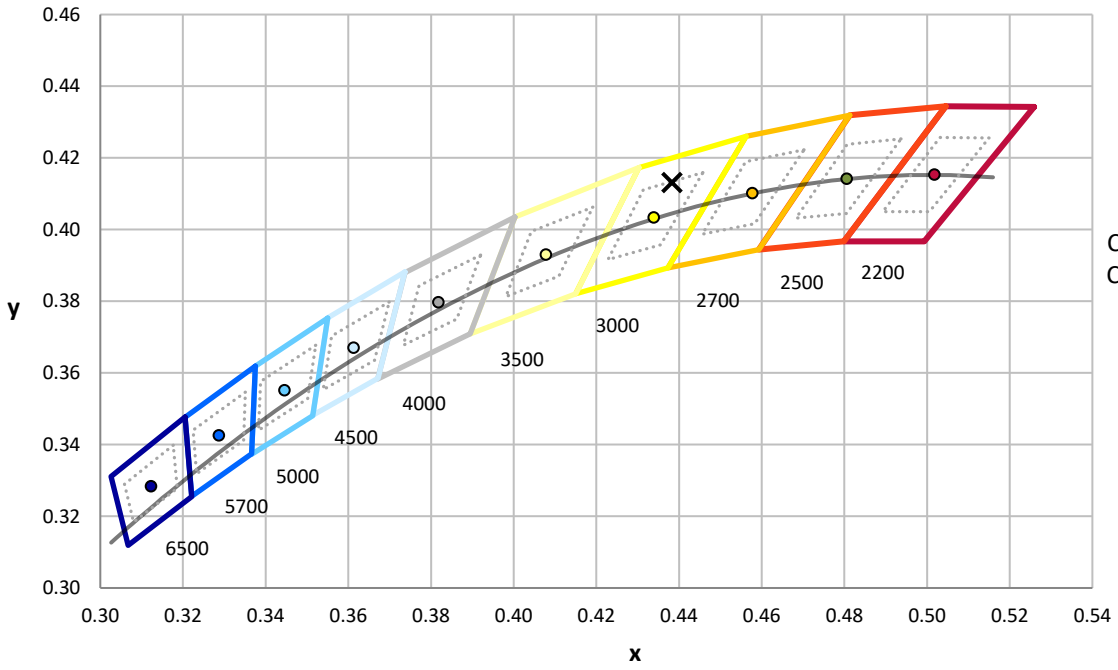
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085	10/24/2023	10/24/2024
Room Thermometer	IN0046	10/24/2023	10/24/2024

REPORT NUMBER: SP1-2408-195-9

CIE 1931 Chromaticity Diagram



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

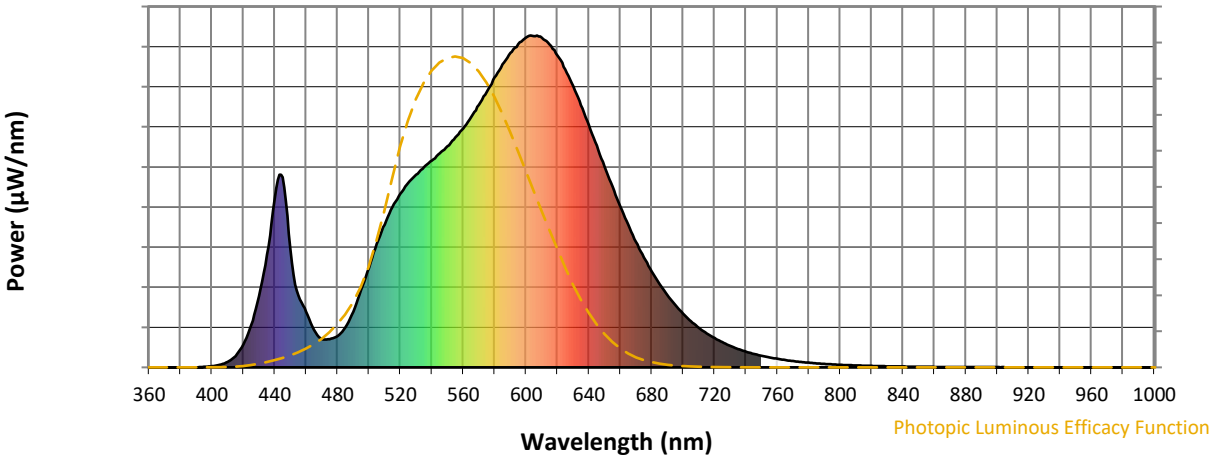


CCT = 3050K
CIE x = 0.4383
CIE y = 0.4131
Duv = 0.0034

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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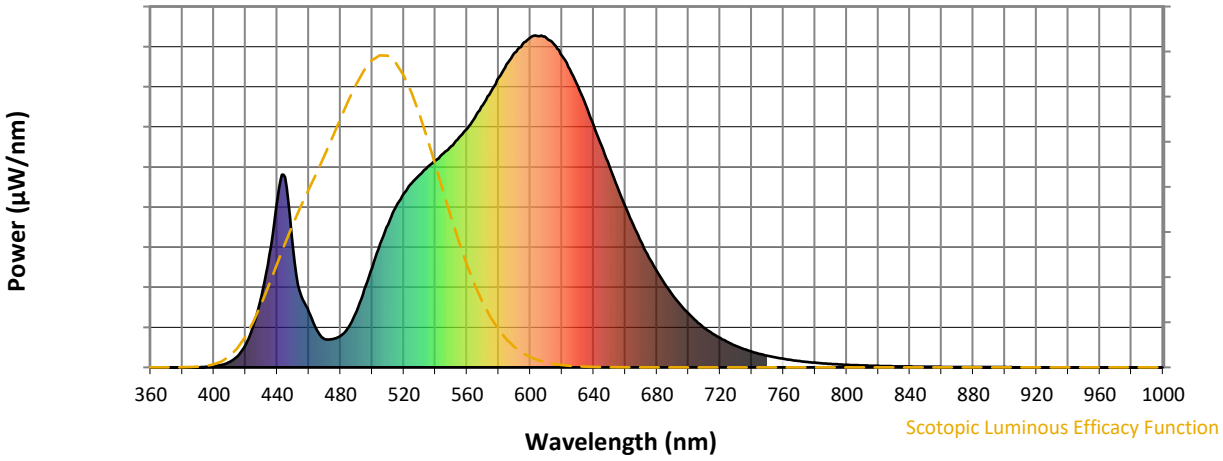
Scotopic Flux vs. Wavelength



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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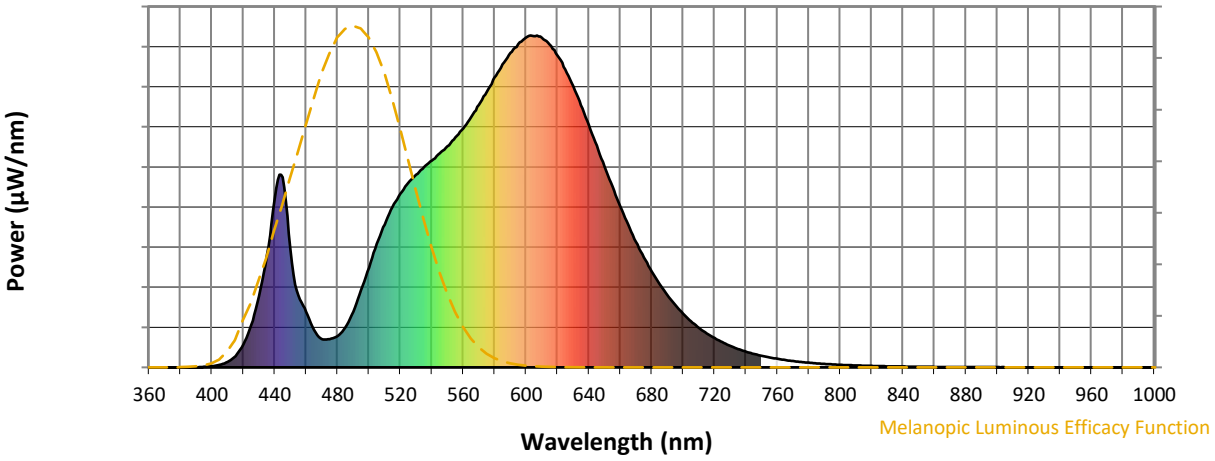
Melanopic Flux vs. Wavelength



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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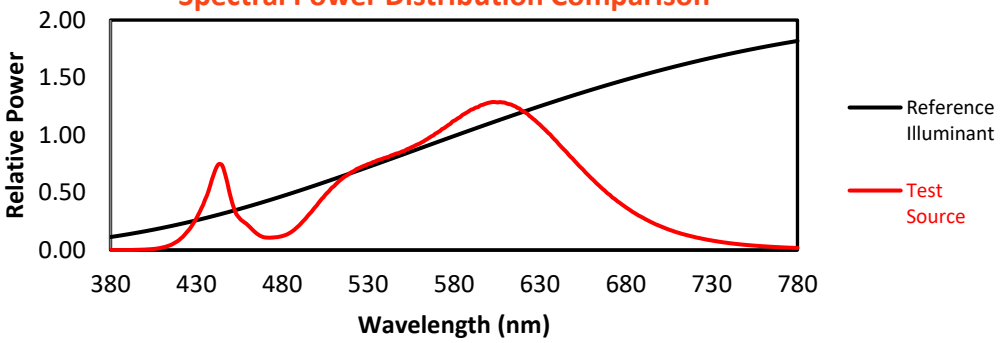
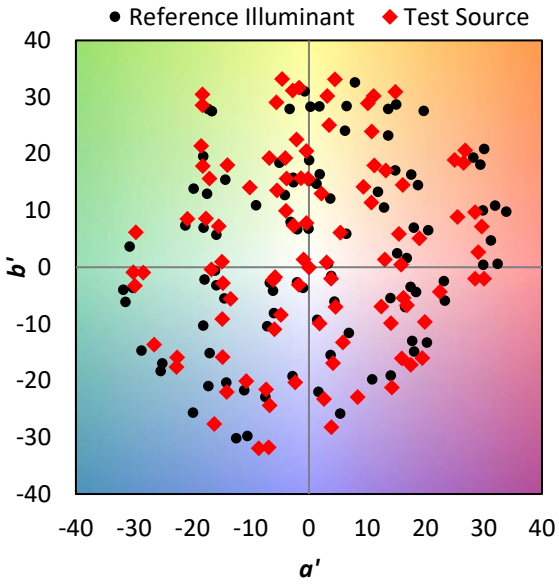
Summary

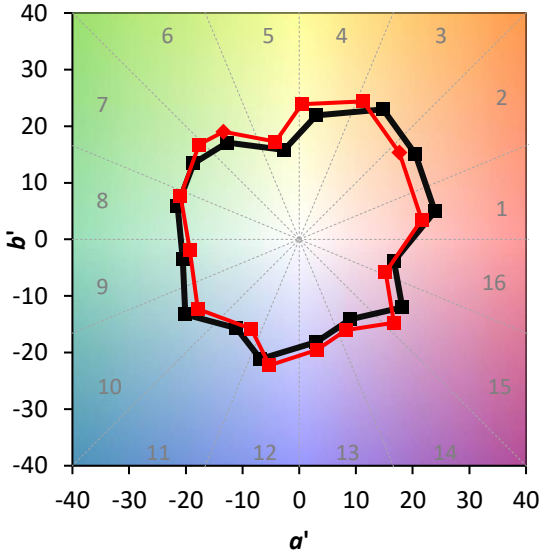
R_f = 81.5
R_g = 99.2
CIE R_a = 81.0
R_9 = 7.1

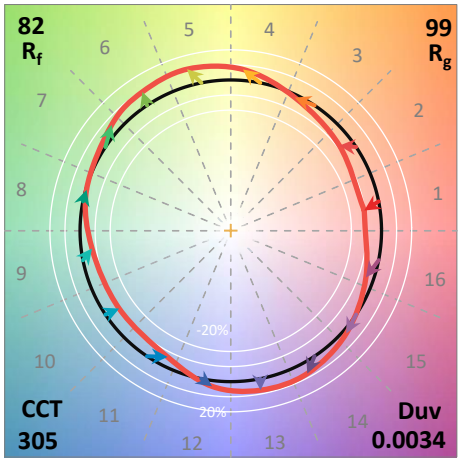
Spectral Power Distribution Comparison

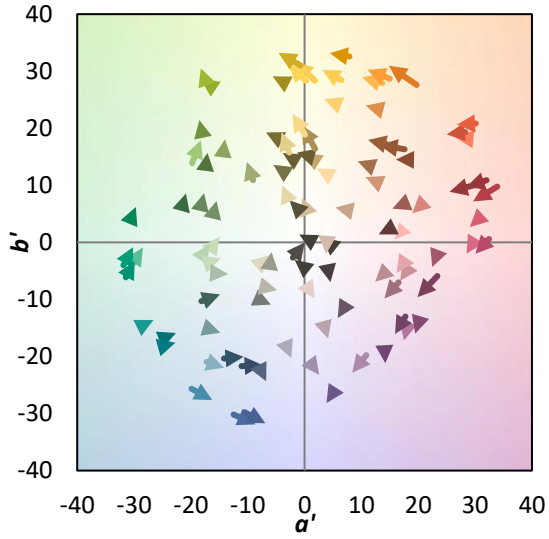


Color Vector Graphics









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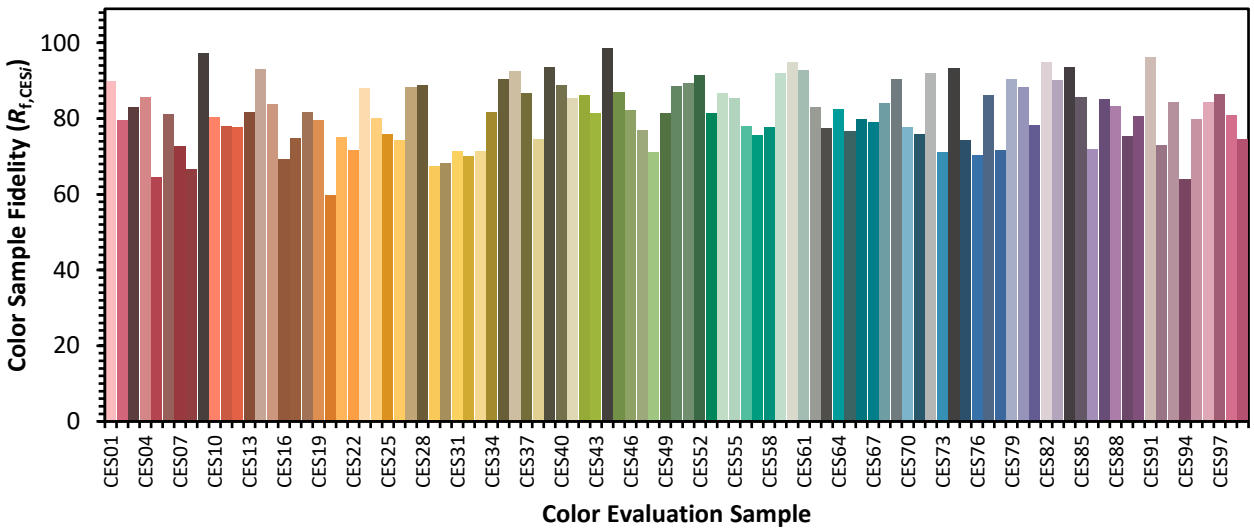
Individual Sample Fidelity Index ($R_{f,i}$)

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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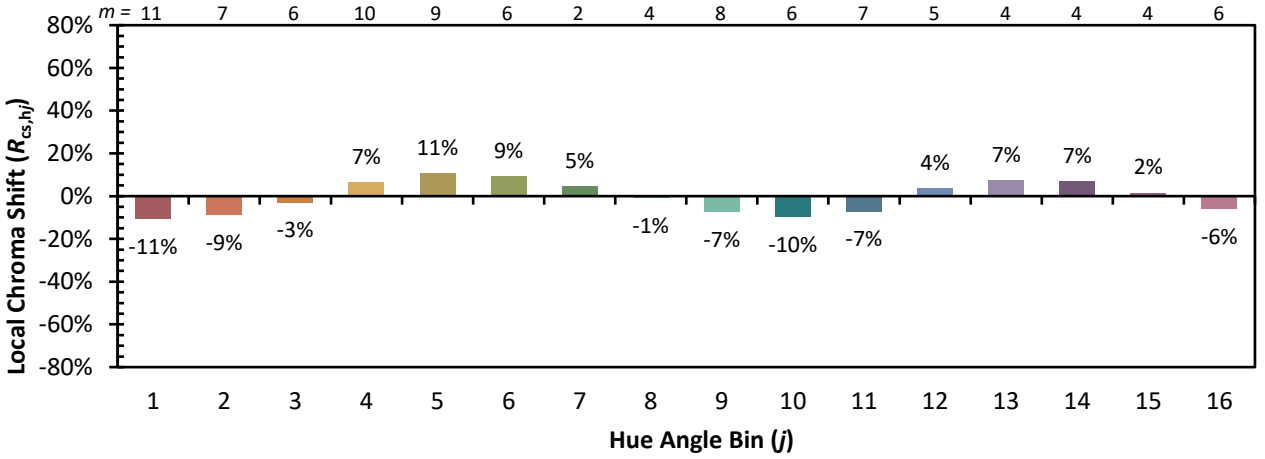
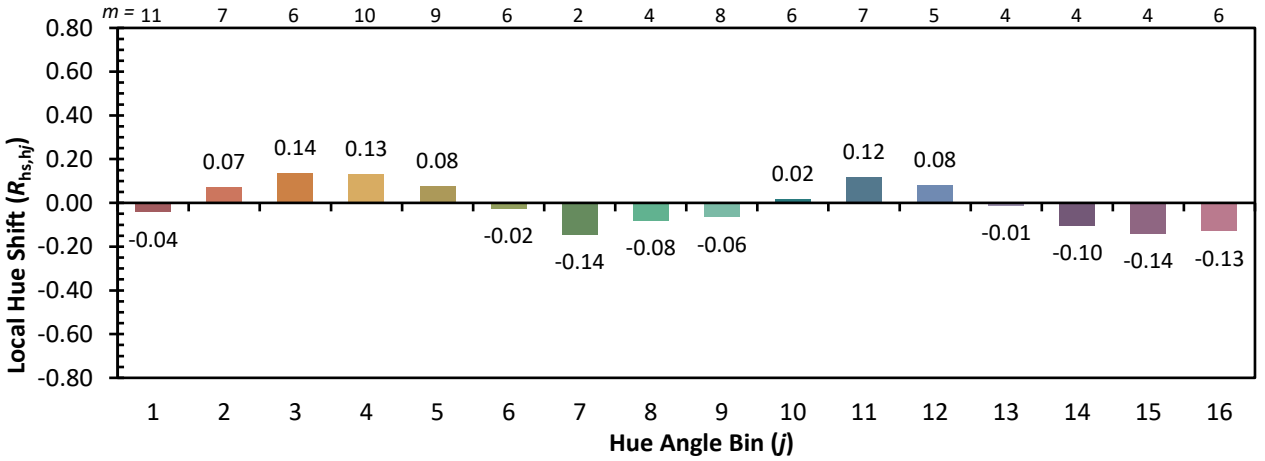
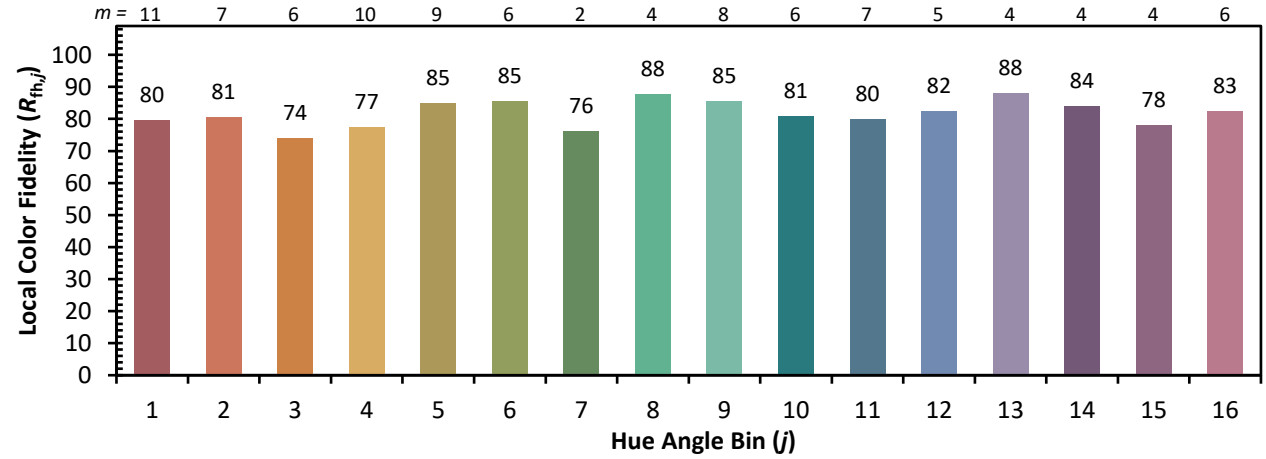
Color Rendition by Hue-Angle Bin







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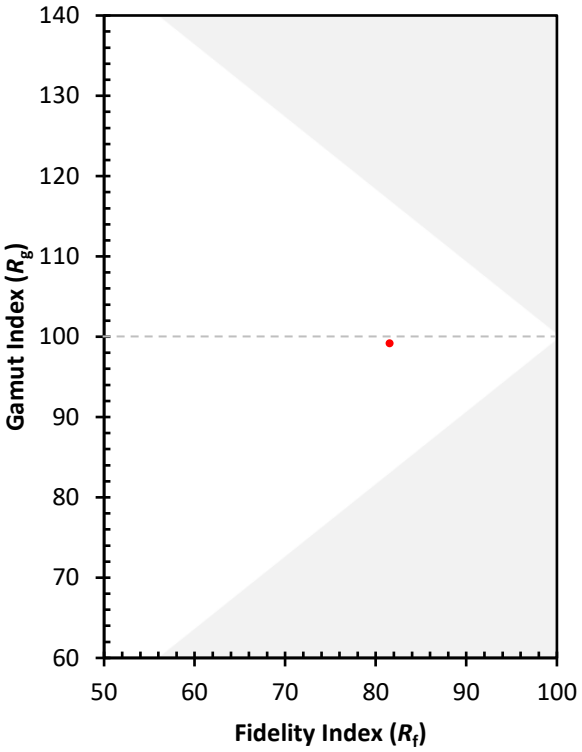
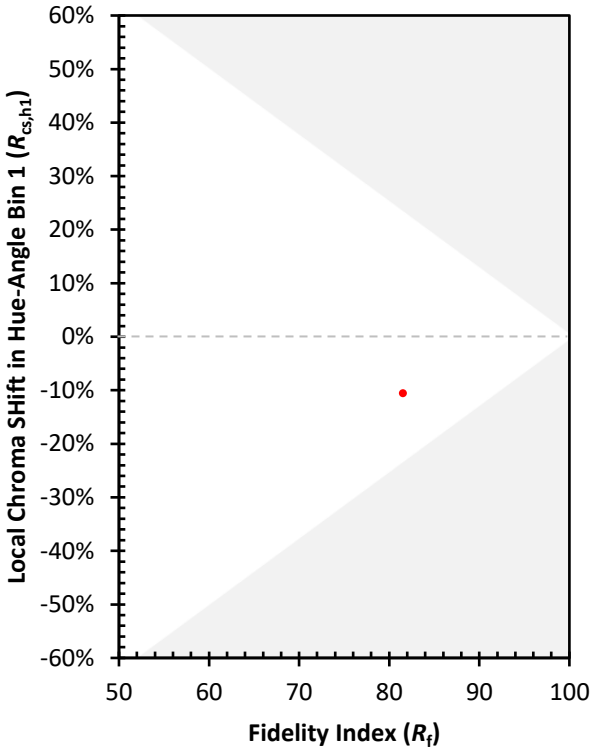
Measure Comparisons





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