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: P317913

Luminaire Tested: **GLEON-SA9A-830-U-T3R**

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:	P317913
	TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-10)
Test Lab:	INNOVATION CENTER
Issue Date:	3/3/2020
Manufacturer:	COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line:	McGRAW-EDISON
Catalog Number:	GLEON-SA9A-830-U-T3R
Description:	GALLEON AREA AND ROADWAY LUMINAIRE
	(9) 80 CRI, 3000K, 615mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III ROADWAY OPTICS
Light Source:	-
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	33850 lumens
Efficiency:	N/A
Efficacy:	116.7 lumens/watt
Luminous Opening:	Rectangular (W 2.5' x L: 1' x H: 0')
IES Classification:	Type IV - Medium
BUG Rating:	B3 - U0 - G5

Input Watts (W):	290
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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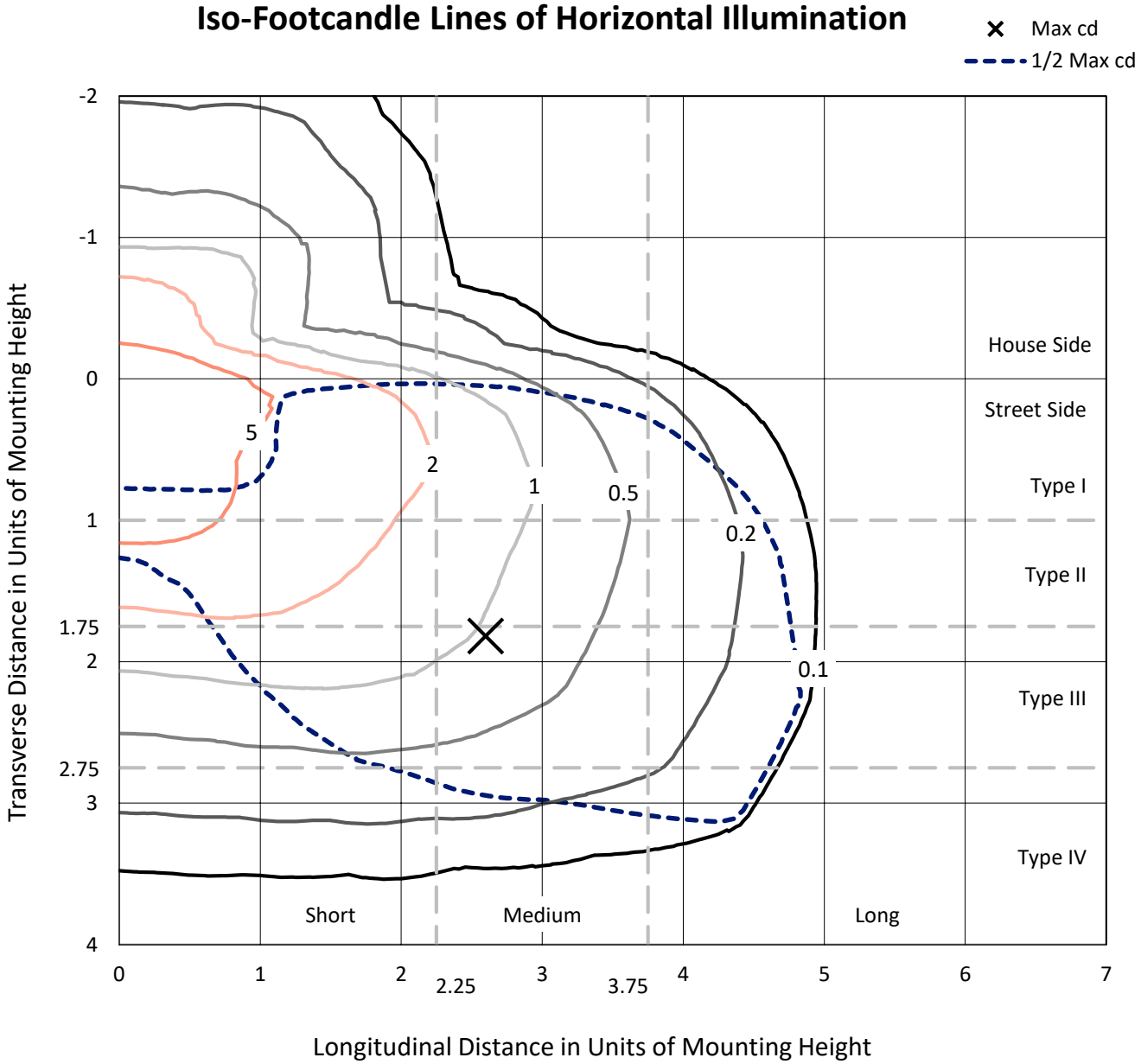
Scaled Data Report

REPORT NUMBER: P317913
CATALOG NUMBER: GLEON-SA9A-830-U-T3R

Iso-Footcandle Lines of Horizontal Illumination



Based on 25 foot mounting height. Maximum calculated value = 9.6 fc
Type IV - Medium - N/A

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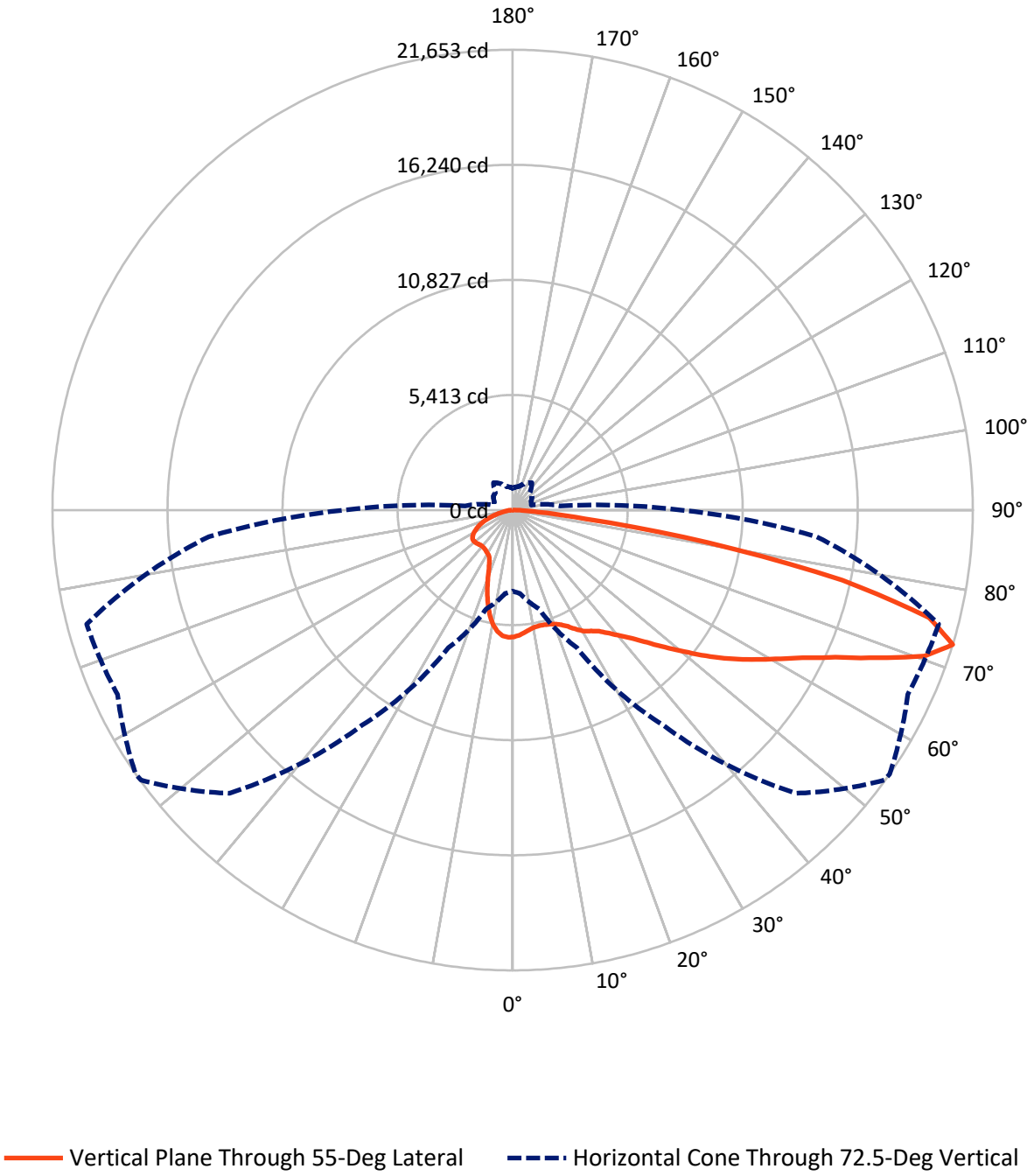
Luminous Intensity Polar Plot



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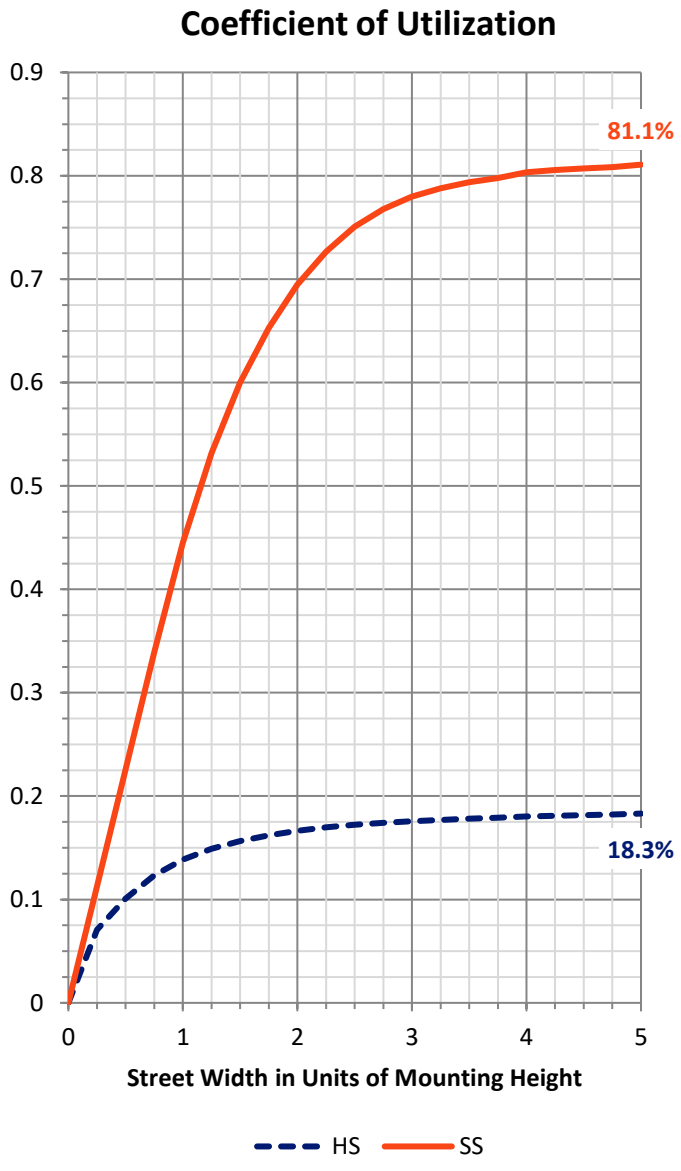
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	6291.6	0.0	6291.6
	% Fixture	18.6	0.0	18.6
Street Side	Lumens	27558.4	0.0	27558.4
	% Fixture	81.4	0.0	81.4
Total	Lumens	33850.0	0.0	33850.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	540.3	1.6
10°-20°	1438.3	4.2
20°-30°	2371.5	7.0
30°-40°	3508.0	10.4
40°-50°	4896.4	14.5
50°-60°	6375.3	18.8
60°-70°	7835.1	23.1
70°-80°	6141.8	18.1
80°-90°	743.3	2.2
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°	33850.0	100.0
0°-180°	33850.0	100.0



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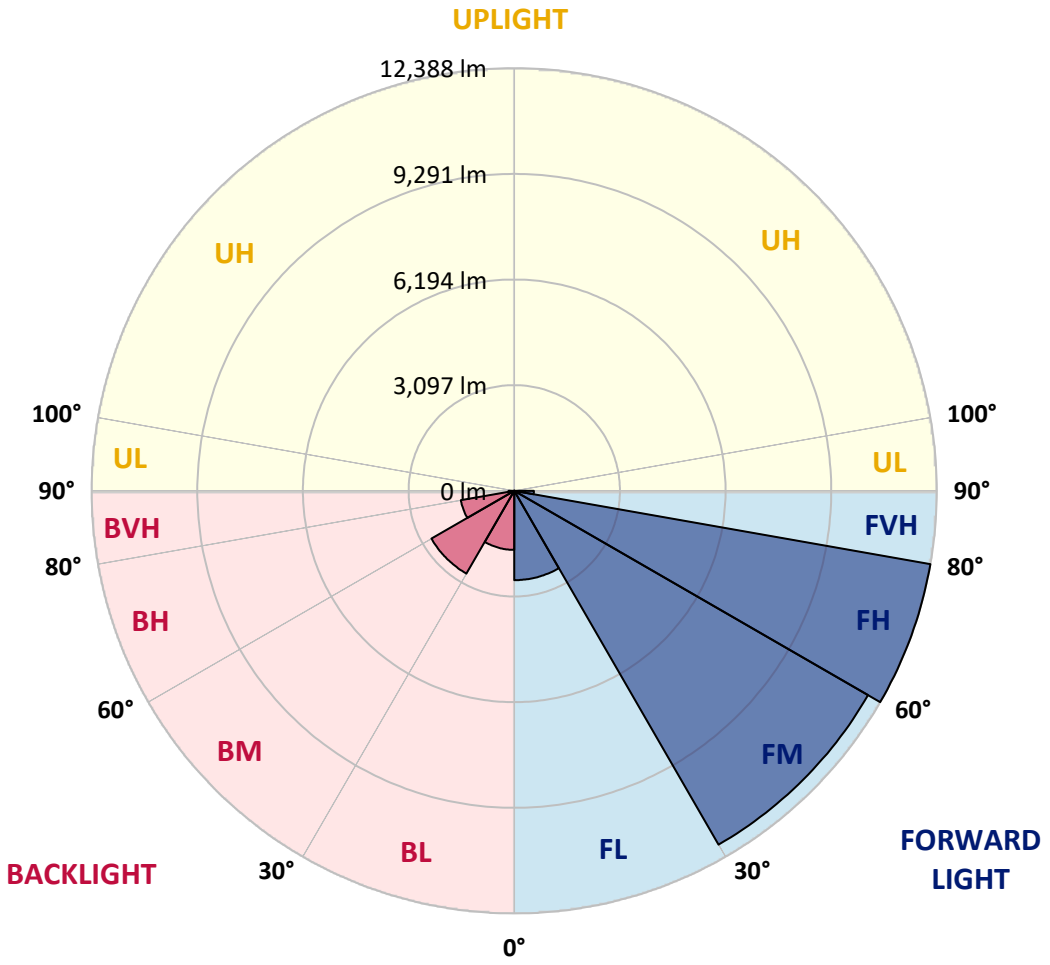
CATALOG NUMBER: GLEON-SA9A-830-U-T3R

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	2619.0	7.7			
FM	(30°-60°)	11976.8	35.4			
FH	(60°-80°)	12388.0	36.6			G5
FVH	(80°-90°)	574.6	1.7			G4/750
BL	(0°-30°)	1731.1	5.1	B3/2500		
BM	(30°-60°)	2803.0	8.3	B3/5000		
BH	(60°-80°)	1588.9	4.7	B3/2500		G3/2500
BVH	(80°-90°)	168.6	0.5			G2/225
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 Medium



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Scaled Data Report

REPORT NUMBER: P317913
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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	54°	55°	65°	75°	85°
0°	5970.4	5970.4	5970.4	5970.4	5970.4	5970.4	5970.4	5970.4	5970.4	5970.4	5970.4
2.5°	5776.0	5762.3	5779.5	5803.5	5829.8	5865.2	5885.8	5895.0	5930.4	5944.1	5973.8
5°	5508.5	5501.7	5530.2	5571.4	5629.7	5712.0	5778.3	5790.9	5884.7	5951.0	6011.6
7.5°	5314.1	5314.1	5347.3	5396.5	5461.6	5572.5	5666.3	5683.4	5842.4	5985.3	6097.3
10°	5159.8	5165.5	5204.4	5262.7	5339.3	5457.1	5581.7	5601.1	5830.9	6065.3	6243.7
12.5°	5056.9	5070.6	5106.1	5158.7	5253.6	5396.5	5554.2	5580.5	5854.9	6179.6	6419.7
15°	5122.1	5144.9	5148.4	5170.1	5222.7	5378.2	5570.3	5597.7	5906.4	6296.3	6619.8
17.5°	5407.9	5415.9	5380.5	5334.7	5309.6	5409.0	5618.3	5646.9	5968.1	6411.7	6811.9
20°	5842.4	5837.8	5761.2	5637.7	5509.7	5525.7	5697.2	5726.9	6051.6	6513.5	7004.0
22.5°	6391.2	6375.1	6257.4	6029.9	5811.5	5720.0	5835.5	5860.7	6177.4	6658.7	7209.8
25°	7056.6	7021.1	6865.6	6560.4	6239.1	6003.6	6043.6	6067.6	6360.3	6821.0	7398.4
27.5°	7758.6	7723.1	7525.3	7156.0	6728.4	6361.4	6330.6	6351.1	6568.4	6941.1	7537.9
30°	8492.6	8454.8	8274.2	7860.3	7247.5	6731.9	6598.1	6606.1	6714.7	7006.3	7652.2
32.5°	9230.0	9194.6	8992.2	8512.0	7811.2	7129.7	6791.3	6781.0	6802.7	7073.7	7781.4
35°	9977.7	9991.5	9754.8	9223.2	8435.4	7572.2	7020.0	6998.3	6950.2	7212.1	7964.4
37.5°	10778.1	10768.9	10462.5	9906.9	9088.2	8052.4	7348.1	7344.7	7178.9	7473.9	8251.3
40°	11313.1	11318.9	11132.5	10606.6	9747.9	8584.0	7768.9	7760.8	7543.6	7866.0	8627.5
42.5°	11522.4	11560.1	11608.1	11274.3	10438.5	9200.3	8270.8	8259.3	8052.4	8428.5	9069.9
45°	11537.2	11612.7	11910.0	11867.7	11138.2	9905.7	8912.2	8880.2	8731.5	9176.3	9598.2
47.5°	11409.2	11486.9	11980.8	12220.9	11763.6	10650.0	9662.2	9637.0	9509.0	10111.5	10169.8
50°	11129.1	11203.4	11834.5	12393.6	12278.1	11365.7	10526.5	10460.2	10391.6	11191.9	10823.8
52.5°	10604.3	10747.2	11639.0	12434.7	12585.7	12001.4	11435.5	11392.0	11429.8	12331.8	11478.9
55°	9361.5	9521.6	11134.8	12400.4	12813.2	12535.3	12344.4	12342.1	12537.6	13527.8	12182.1
57.5°	8665.2	8778.4	10108.1	12342.1	13083.0	13065.8	13244.2	13265.9	13646.7	14830.0	12918.4
60°	8271.9	8390.8	9587.9	12126.0	13501.5	13751.8	14162.3	14205.7	14774.0	16271.7	13804.4
62.5°	7914.1	8044.4	9265.5	11685.9	13994.2	14732.8	15262.2	15301.0	15967.6	17753.5	14660.8
65°	7302.4	7449.9	8793.3	11396.6	14442.4	16012.2	16660.4	16686.7	17338.4	19306.1	15315.9
67.5°	6438.0	6572.9	7902.6	10757.5	14774.0	17566.0	18519.5	18534.3	18697.8	20402.5	15650.9
70°	5428.5	5479.9	6633.5	9438.1	14381.8	19019.1	20556.9	20560.3	19937.2	21104.5	15596.0
72.5°	3814.1	3935.3	4815.7	7144.6	12359.3	18841.9	21614.4	21653.3	20513.4	20750.1	14349.8
75°	2339.2	2467.3	3020.6	4329.7	7840.9	14818.6	19970.4	20240.2	19433.0	18501.2	11722.4
77.5°	1564.1	1612.1	1971.1	2524.4	3552.3	8525.7	15353.6	15861.3	16143.7	13492.3	7496.7
80°	872.4	963.8	1306.8	1568.6	1580.1	3387.7	9206.0	9324.9	8981.9	5372.5	2312.9
82.5°	461.9	512.2	872.4	921.5	862.1	1134.2	3431.1	3434.5	2869.7	1440.6	687.1
85°	357.9	400.2	598.0	562.5	440.2	503.1	1131.9	1193.6	976.4	590.0	224.1
87.5°	178.4	221.8	405.9	356.7	172.6	144.1	404.7	432.2	385.3	231.0	81.2
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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CATALOG NUMBER: GLEON-SA9A-830-U-T3R

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	5970.4	5970.4	5970.4	5970.4	5970.4	5970.4	5970.4	5970.4	5970.4	5970.4	5970.4
2.5°	5985.3	5995.6	6008.1	5994.4	5989.8	5971.6	5940.7	5933.8	5917.8	5919.0	5928.1
5°	6037.9	6055.0	6048.2	5995.6	5932.7	5844.6	5753.2	5675.4	5624.0	5620.6	5617.1
7.5°	6138.5	6149.9	6096.2	5946.4	5770.3	5566.8	5374.7	5206.7	5104.9	5079.8	5074.0
10°	6296.3	6294.0	6146.5	5844.6	5493.6	5130.1	4821.4	4588.1	4452.1	4412.1	4401.8
12.5°	6472.3	6446.0	6163.6	5659.4	5102.6	4598.4	4207.4	3947.9	3806.1	3760.4	3748.9
15°	6654.1	6588.9	6121.3	5382.7	4622.4	4025.6	3615.2	3375.1	3298.5	3273.3	3268.7
17.5°	6823.3	6697.6	6000.1	5007.7	4074.8	3455.1	3135.0	3038.9	3057.2	3090.4	3091.5
20°	6989.1	6770.7	5805.8	4534.4	3497.4	2985.2	2876.6	2947.5	3034.4	3101.8	3111.0
22.5°	7152.6	6822.2	5555.4	3987.9	2980.6	2721.1	2797.7	2926.9	3026.4	3099.5	3112.1
25°	7289.8	6834.8	5210.1	3404.8	2621.6	2621.6	2760.0	2882.3	2980.6	3052.7	3065.2
27.5°	7340.1	6750.2	4723.1	2865.2	2441.0	2575.9	2707.4	2809.1	2892.6	2969.2	2982.9
30°	7359.5	6593.5	4160.5	2431.8	2366.7	2526.7	2636.5	2723.4	2802.3	2874.3	2886.9
32.5°	7363.0	6404.9	3563.7	2186.0	2315.2	2475.3	2548.5	2625.1	2709.7	2738.2	2742.8
35°	7384.7	6181.9	2934.9	2060.3	2267.2	2427.3	2485.6	2540.5	2403.3	2413.5	2422.7
37.5°	7447.6	5961.3	2409.0	1989.4	2236.3	2402.1	2471.9	2272.9	2165.4	2140.3	2136.9
40°	7565.3	5725.7	2019.1	1932.2	2224.9	2414.7	2383.8	2122.0	1936.8	1798.4	1777.9
42.5°	7728.8	5471.9	1769.9	1894.5	2232.9	2475.3	2261.5	1976.8	1669.2	1580.1	1568.6
45°	7912.9	5205.5	1634.9	1868.2	2260.3	2522.2	2236.3	1783.6	1544.6	1477.2	1471.5
47.5°	8091.3	4879.7	1565.2	1856.8	2298.1	2484.4	2130.0	1724.1	1485.2	1449.7	1453.2
50°	8295.9	4585.9	1522.9	1844.2	2331.2	2460.4	2010.0	1693.3	1462.3	1505.8	1551.5
52.5°	8468.6	4281.7	1485.2	1819.0	2343.8	2418.1	1979.1	1699.0	1462.3	1545.8	1589.2
55°	8673.2	4051.9	1441.7	1766.4	2319.8	2298.1	1957.4	1733.3	1479.5	1426.9	1431.4
57.5°	8937.3	3976.5	1393.7	1684.1	2239.8	2123.1	1947.1	1766.4	1469.2	1436.0	1447.4
60°	9303.2	4056.5	1374.3	1576.6	2115.1	1985.9	1948.2	1749.3	1397.1	1340.0	1341.1
62.5°	9651.9	4145.7	1373.1	1509.2	1961.9	1863.6	1921.9	1693.3	1360.5	1327.4	1340.0
65°	9766.2	4055.4	1318.2	1433.7	1789.3	1717.3	1873.9	1633.8	1333.1	1282.8	1280.5
67.5°	9613.0	3775.2	1207.3	1311.4	1591.5	1546.9	1811.0	1562.9	1289.7	1248.5	1241.6
70°	9158.0	3149.8	1070.1	1150.2	1366.3	1354.8	1711.5	1480.6	1231.4	1195.9	1166.2
72.5°	*7933.5*	*2244.3*	*902.1*	*957.0*	*1112.4*	*1149.0*	*1574.4*	*1373.1*	*1149.0*	*1072.4*	*1026.7*
75°	6515.8	1661.2	740.9	752.3	844.9	944.4	1385.7	1247.4	1051.9	921.5	886.1
77.5°	3990.2	1016.4	590.0	594.5	606.0	753.4	1141.0	1106.7	928.4	768.3	743.2
80°	1292.0	554.5	426.5	448.2	413.9	552.2	882.6	942.1	796.9	642.5	615.1
82.5°	491.6	323.6	288.1	303.0	287.0	370.4	643.7	754.6	652.8	528.2	429.9
85°	237.8	182.9	170.4	190.9	177.2	189.8	411.6	555.7	495.1	344.1	320.1
87.5°	84.6	81.2	65.2	88.0	75.5	67.5	125.8	280.1	327.0	236.7	211.5
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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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

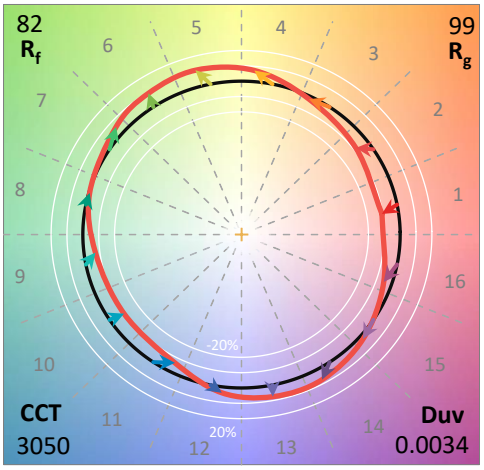
Test Information

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

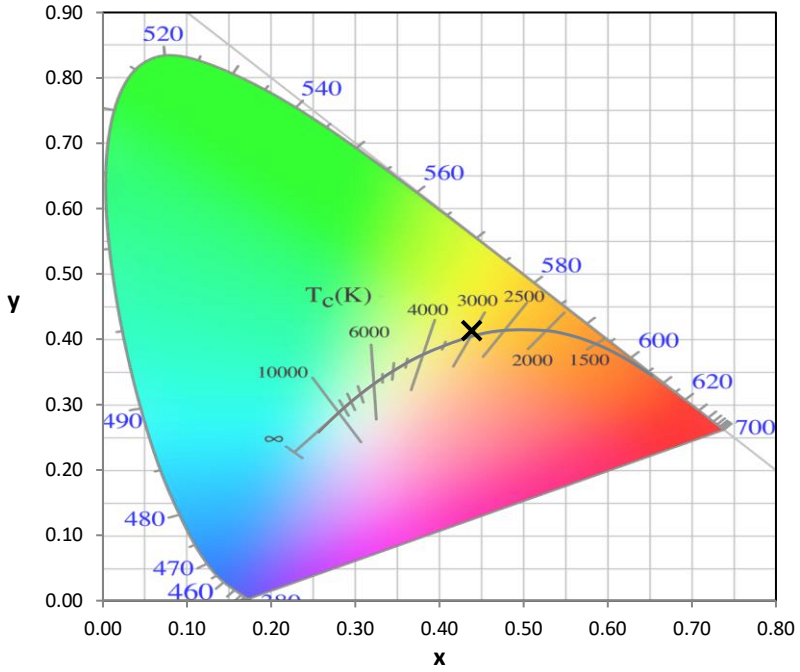
Stabilization Time:	20M
Operation Time:	1H 20M
Sphere Temperature (°C):	24.2

REPORT NUMBER: SP1-2408-195-9

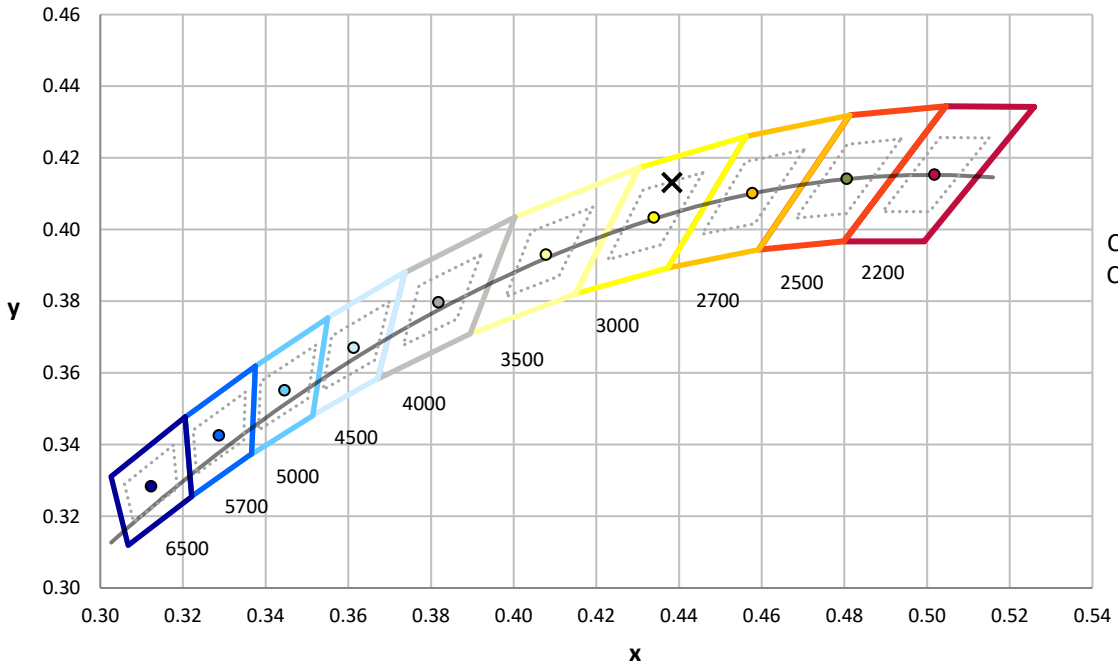
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

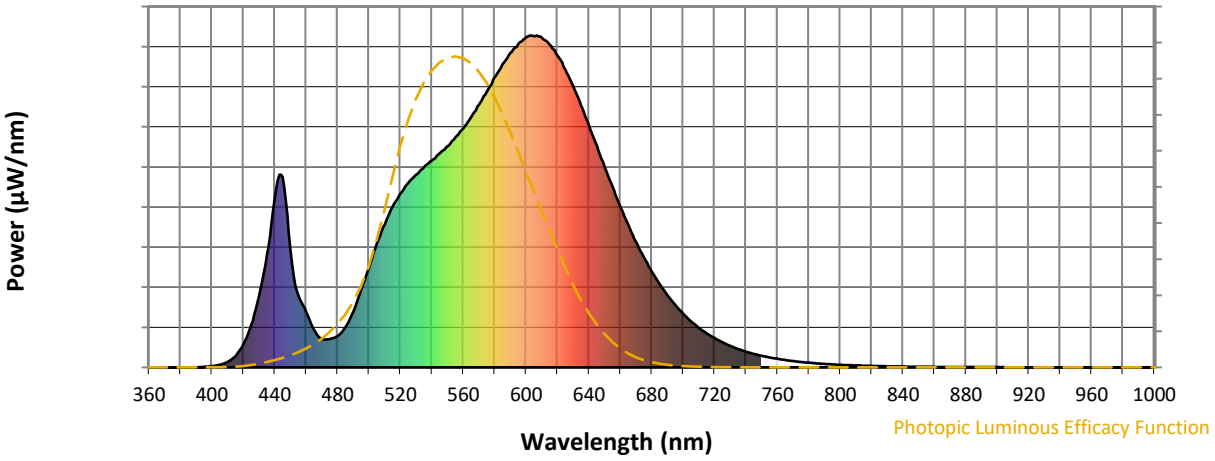


CCT = 3050K
CIE x = 0.4383
CIE y = 0.4131
Duv = 0.0034

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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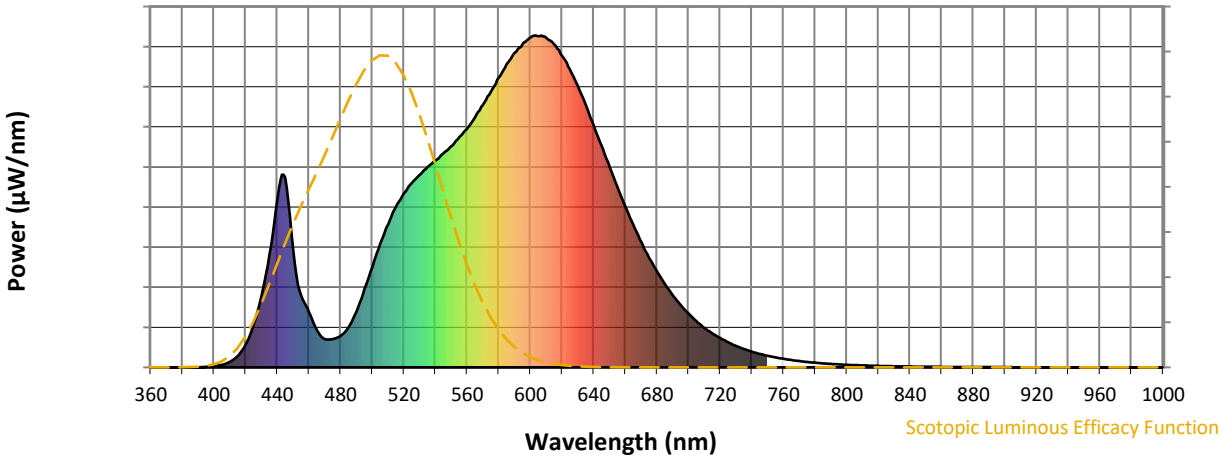
Scotopic Flux vs. Wavelength



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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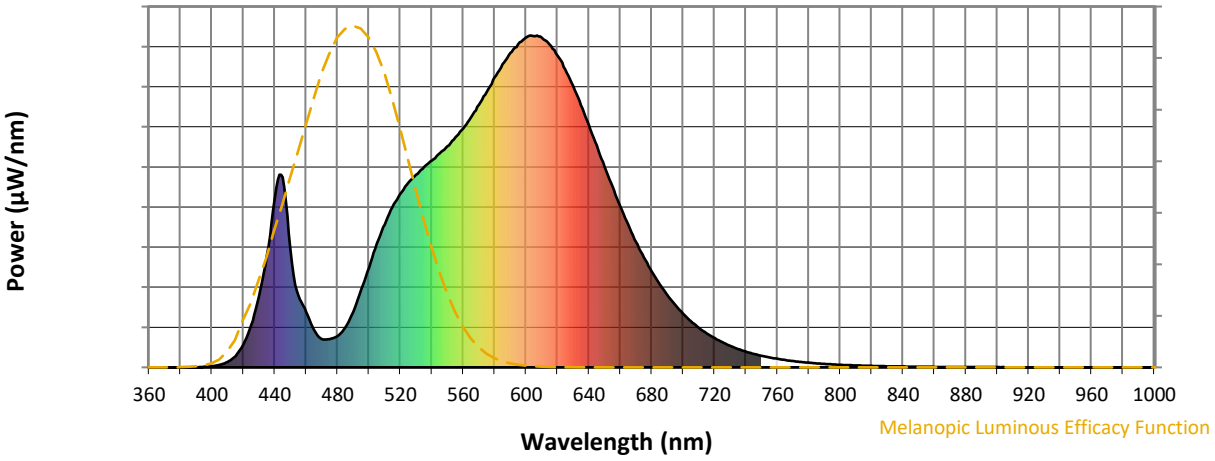
Melanopic Flux vs. Wavelength



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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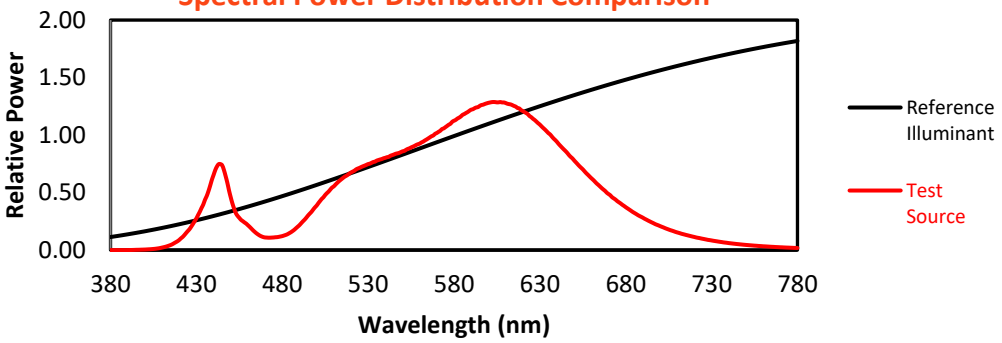
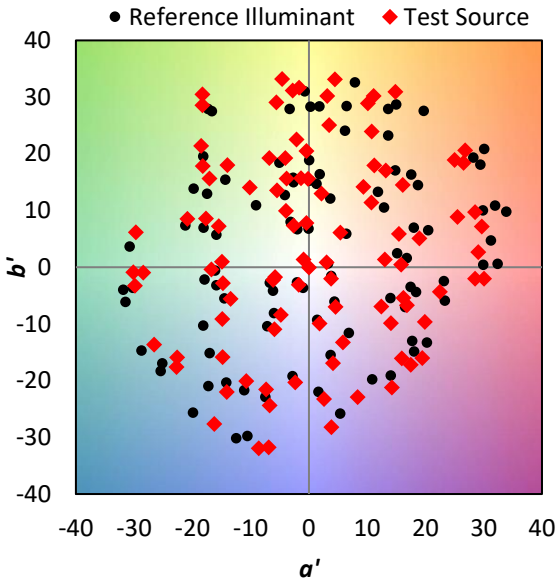
Summary

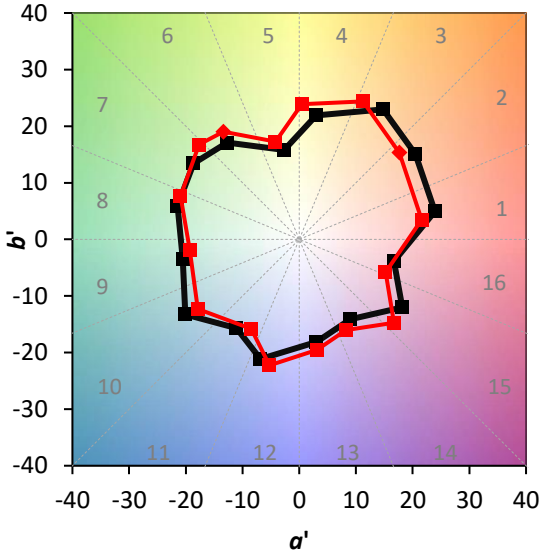
R_f = 81.5
R_g = 99.2
CIE R_a = 81.0
R_9 = 7.1

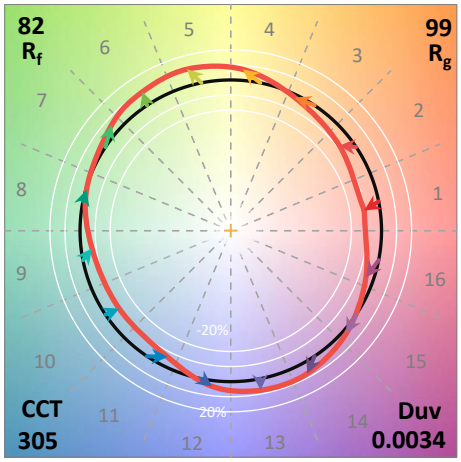
Spectral Power Distribution Comparison

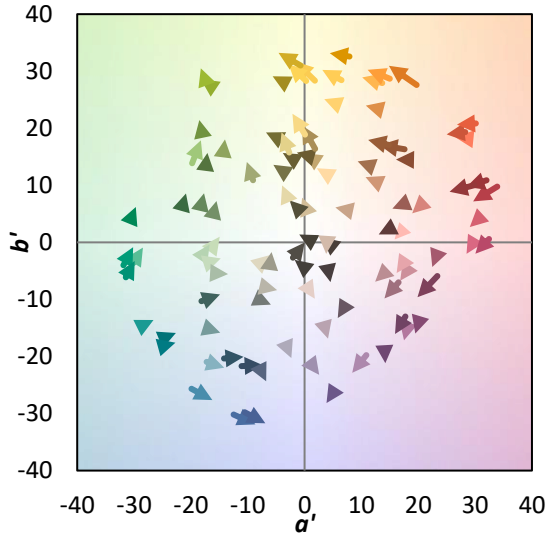


Color Vector Graphics









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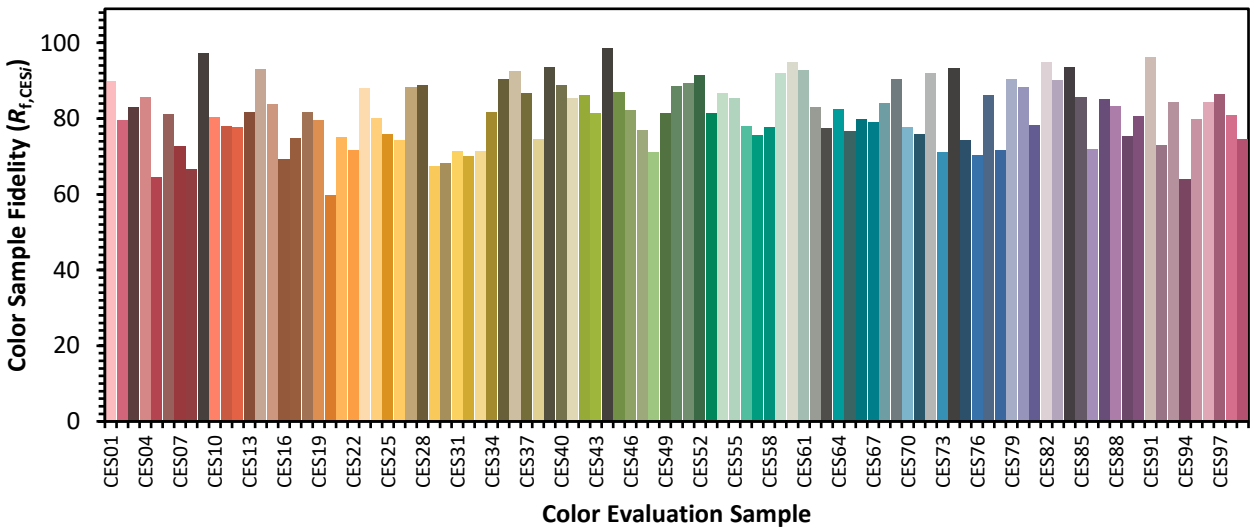
Individual Sample Fidelity Index ($R_{f,i}$)

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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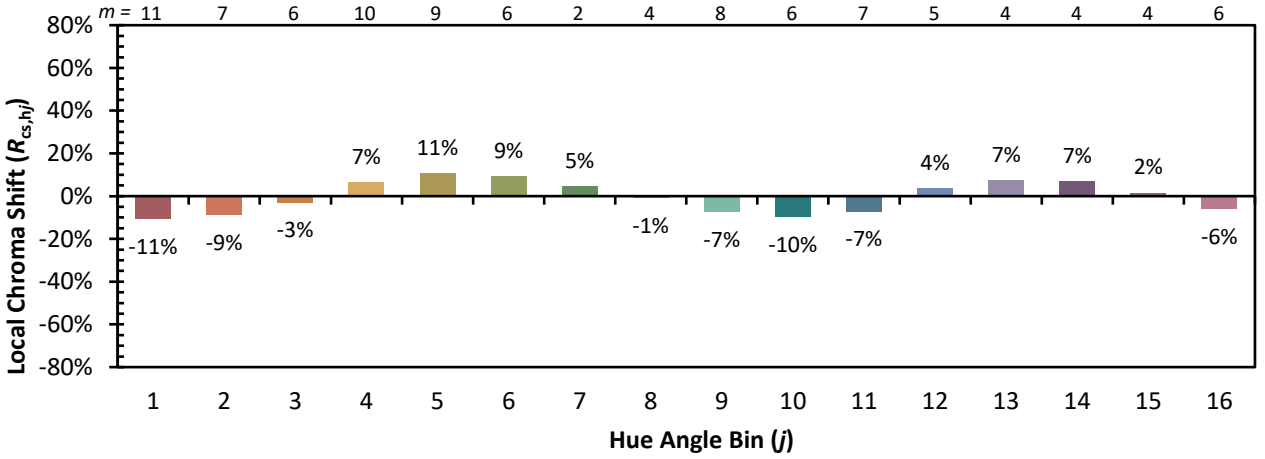
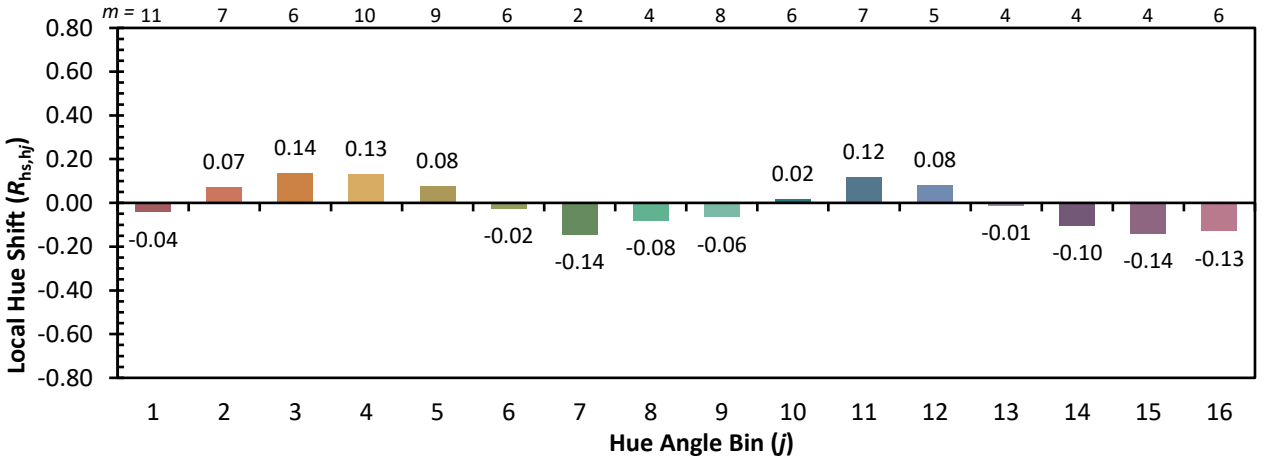
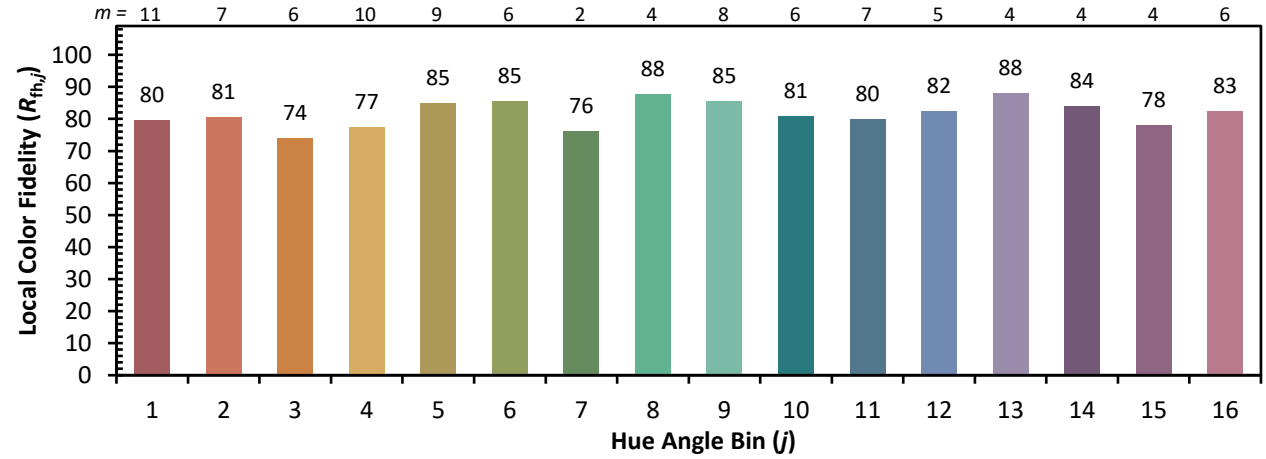
Color Rendition by Hue-Angle Bin







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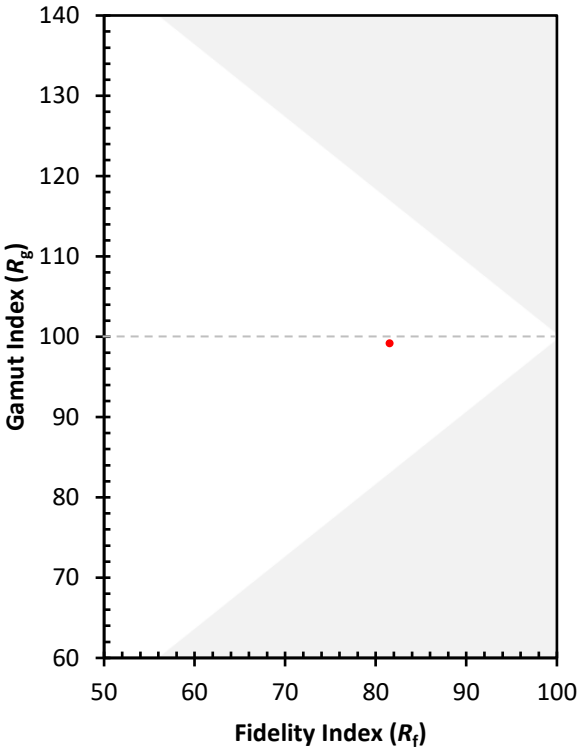
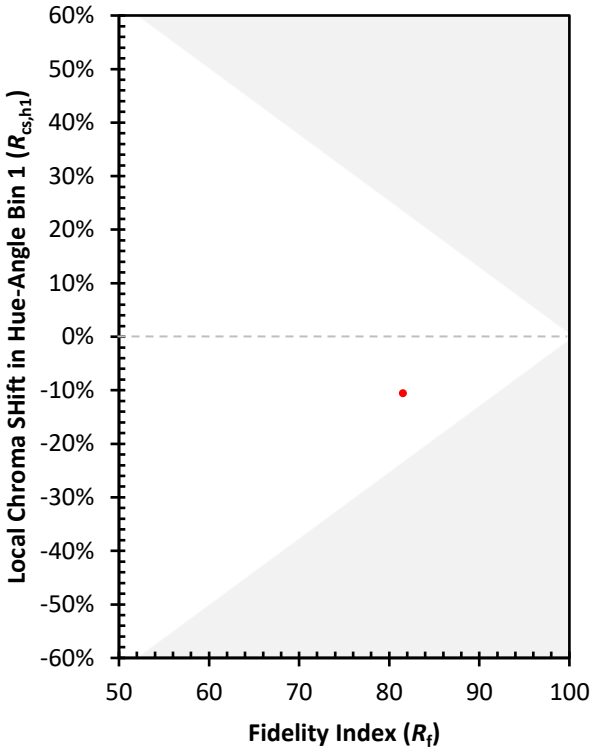
Measure Comparisons





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