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: P318873

Luminaire Tested: **GLEON-SA9A-830-U-T4FT**

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:	P318873
	TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-16)
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-T4FT
Description:	GALLEON AREA AND ROADWAY LUMINAIRE
	(9) 80 CRI, 3000K, 615mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE IV FORWARD THROW OPTICS
Light Source:	-
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	33306 lumens
Efficiency:	N/A
Efficacy:	114.8 lumens/watt
Luminous Opening:	Rectangular (W 2.5' x L: 1' x H: 0')
IES Classification:	Type IV - Short
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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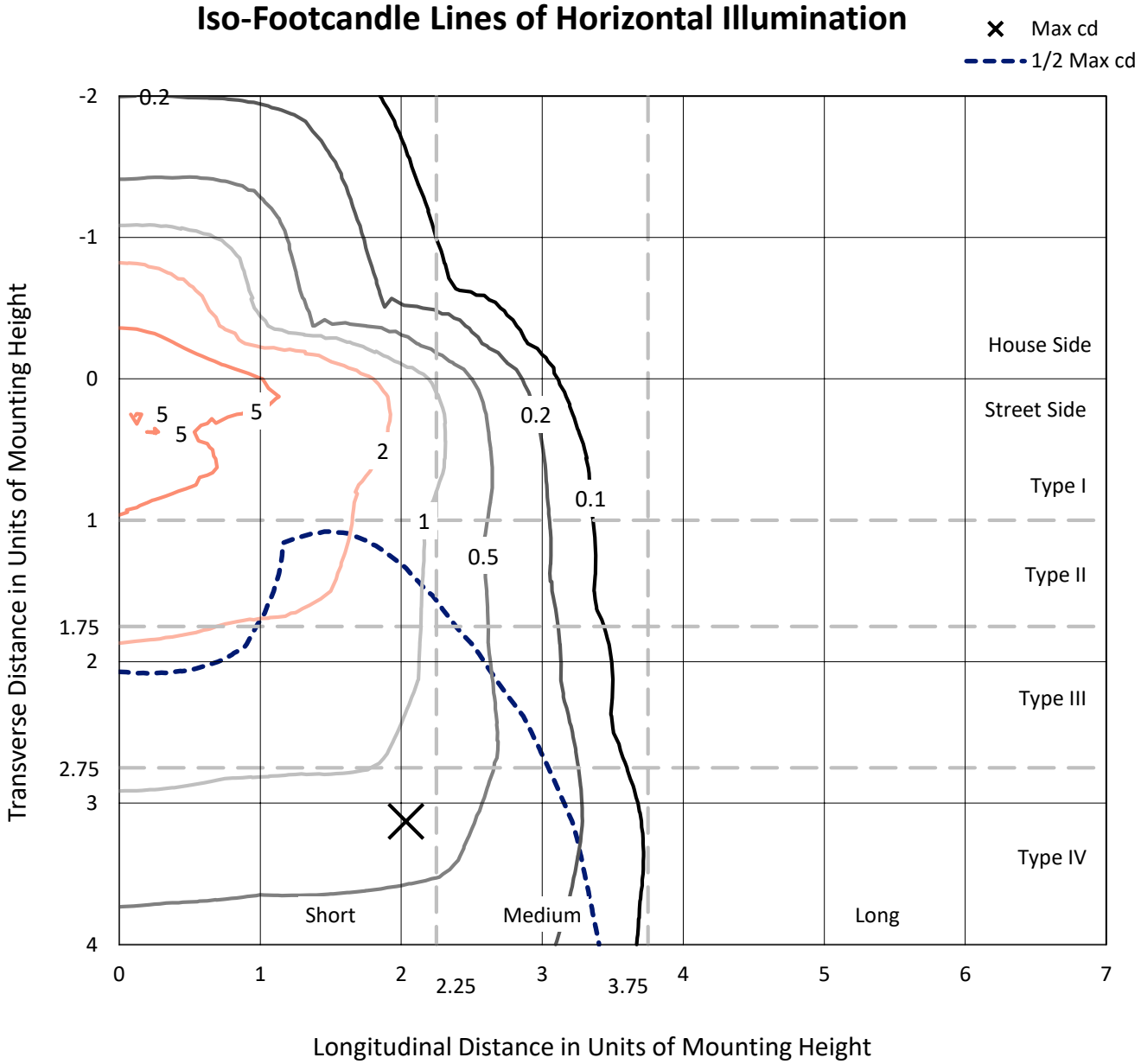
Scaled Data Report

REPORT NUMBER: P318873
CATALOG NUMBER: GLEON-SA9A-830-U-T4FT

Iso-Footcandle Lines of Horizontal Illumination



Based on 25 foot mounting height. Maximum calculated value = 8.3 fc
Type IV - Short - N/A

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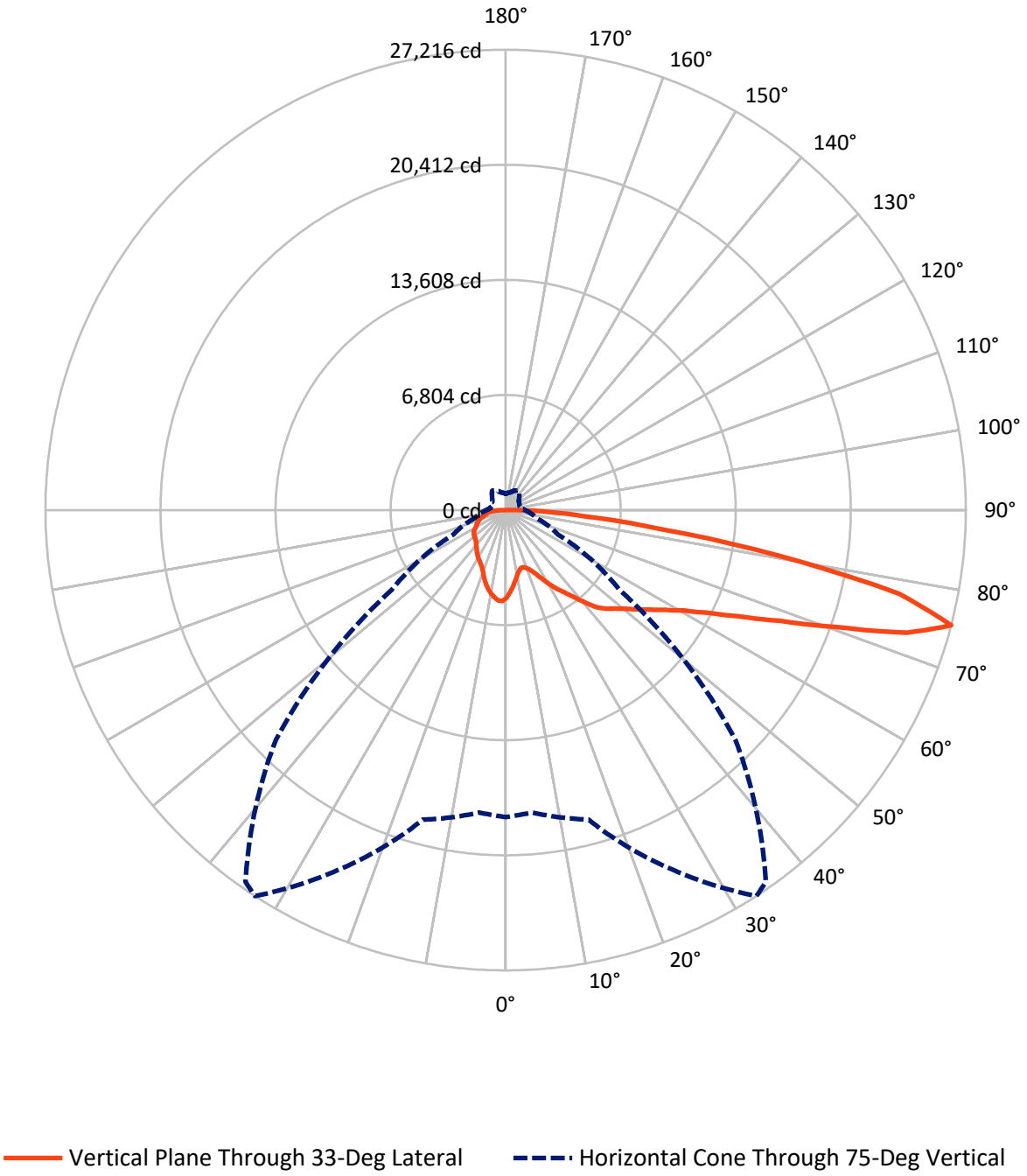
Luminous Intensity Polar Plot



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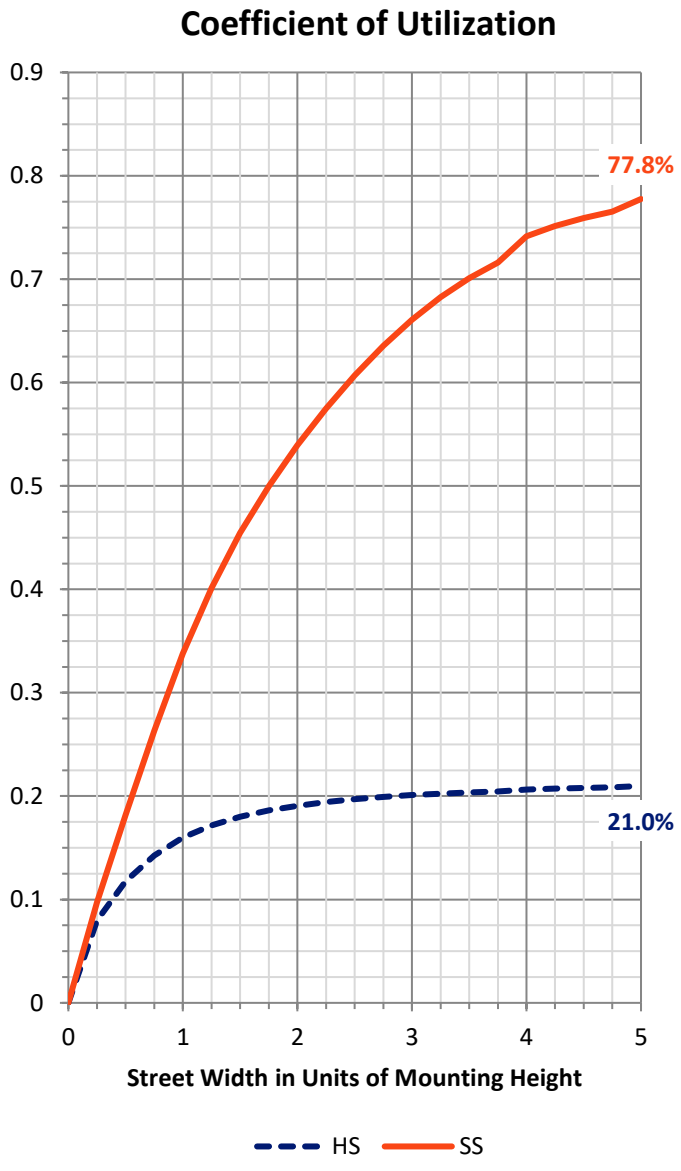
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	7151.7	0.0	7151.7
	% Fixture	21.5	0.0	21.5
Street Side	Lumens	26154.3	0.0	26154.3
	% Fixture	78.5	0.0	78.5
Total	Lumens	33306.0	0.0	33306.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	470.8	1.4
10°-20°	1275.1	3.8
20°-30°	2082.5	6.3
30°-40°	3101.3	9.3
40°-50°	4448.2	13.4
50°-60°	6106.6	18.3
60°-70°	7645.2	23.0
70°-80°	6916.3	20.8
80°-90°	1259.8	3.8
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°	33306.0	100.0
0°-180°	33306.0	100.0



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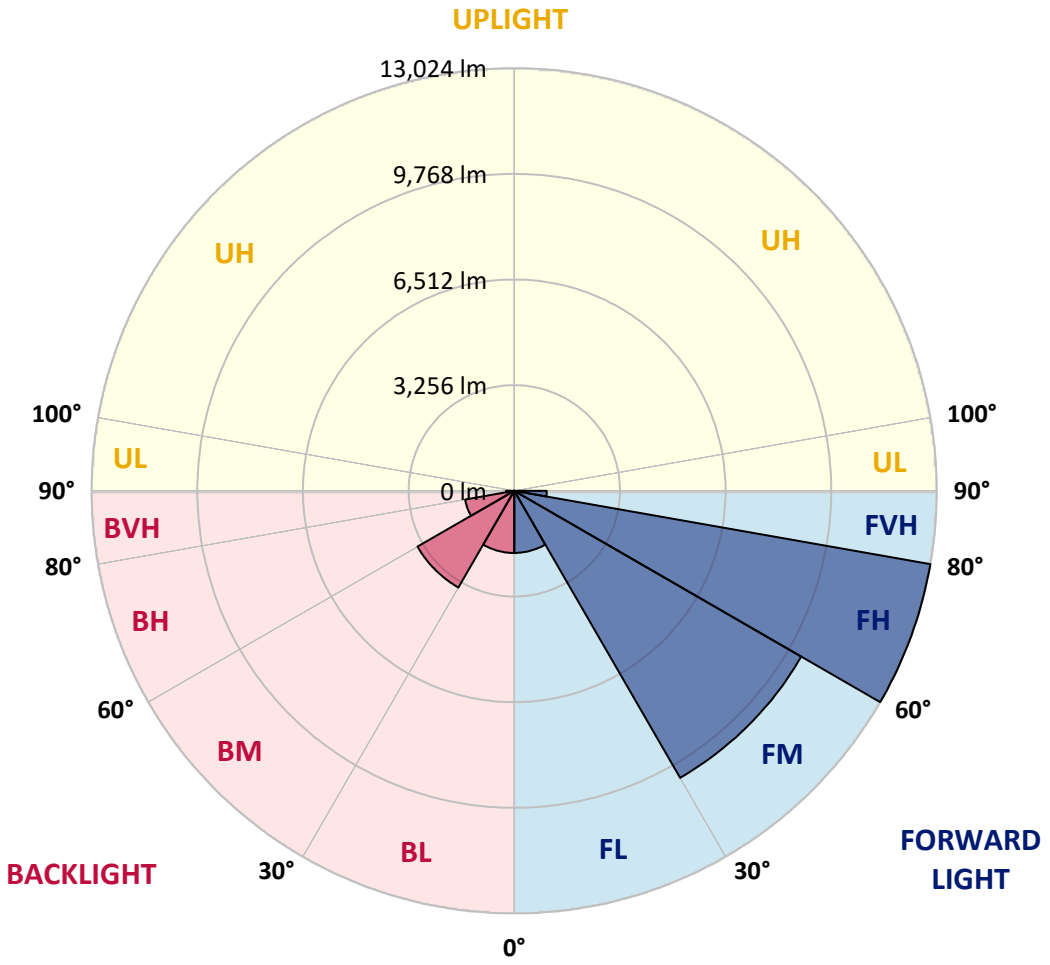
REPORT NUMBER: P318873
CATALOG NUMBER: GLEON-SA9A-830-U-T4FT

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	1912.9	5.7			
FM	(30°-60°)	10214.3	30.7			
FH	(60°-80°)	13023.8	39.1			G5
FVH	(80°-90°)	1003.3	3.0			G5
BL	(0°-30°)	1915.5	5.8	B3/2500		
BM	(30°-60°)	3441.9	10.3	B3/5000		
BH	(60°-80°)	1537.7	4.6	B3/2500		G3/2500
BVH	(80°-90°)	256.5	0.8			G3/500
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: P318873
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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	33°	35°	45°	55°	65°	75°	85°
0°	5205.9	5205.9	5205.9	5205.9	5205.9	5205.9	5205.9	5205.9	5205.9	5205.9	5205.9
2.5°	4834.3	4815.9	4850.4	4855.0	4884.9	4896.4	4937.9	5002.3	5055.2	5116.2	5171.4
5°	4396.0	4383.3	4431.6	4466.2	4531.7	4559.3	4657.1	4794.0	4916.0	5054.1	5179.5
7.5°	3979.5	3972.6	4026.7	4104.9	4180.8	4218.8	4387.9	4587.0	4790.6	5013.8	5205.9
10°	3628.6	3626.3	3678.1	3755.2	3866.8	3909.3	4127.9	4390.2	4675.5	4982.7	5250.8
12.5°	3431.9	3439.9	3464.1	3528.5	3632.1	3674.6	3917.4	4225.7	4578.9	4972.4	5316.4
15°	3480.2	3492.9	3451.4	3449.1	3522.8	3556.1	3783.9	4108.4	4509.9	4989.6	5411.9
17.5°	3686.1	3688.4	3579.1	3510.1	3555.0	3572.2	3742.5	4041.6	4469.6	5028.7	5531.5
20°	3976.1	3970.3	3777.0	3662.0	3686.1	3690.7	3801.2	4042.8	4466.2	5096.6	5686.8
22.5°	4360.3	4317.7	4057.7	3901.3	3895.5	3888.6	3951.9	4127.9	4516.8	5207.1	5872.0
25°	4861.9	4821.7	4463.9	4249.9	4203.8	4186.6	4195.8	4309.7	4616.9	5325.6	6079.1
27.5°	5419.9	5349.7	5004.6	4702.0	4606.5	4582.4	4527.1	4566.2	4726.2	5439.5	6325.3
30°	5887.0	5849.0	5547.6	5188.7	5075.9	5041.4	4896.4	4853.9	4883.8	5594.8	6636.0
32.5°	6148.2	6122.8	5939.9	5650.0	5545.3	5497.0	5292.2	5207.1	5136.9	5839.8	7057.0
35°	6464.5	6448.4	6338.0	6127.4	5972.1	5921.5	5762.7	5674.2	5493.5	6176.9	7601.2
37.5°	6867.2	6849.9	6852.2	6682.0	6496.8	6449.6	6344.9	6251.7	5956.0	6619.9	8192.6
40°	7322.8	7289.4	7276.8	7268.7	7151.4	7124.9	7069.7	6943.1	6535.9	7149.1	8775.8
42.5°	8008.5	7890.0	7636.9	7732.4	7848.6	7834.8	7879.6	7697.9	7180.1	7774.9	9345.3
45°	8670.0	8475.6	8038.4	8059.1	8313.4	8390.4	8726.4	8597.5	7878.5	8460.6	9934.4
47.5°	8971.4	8824.2	8452.6	8453.7	8705.7	8865.6	9601.9	9509.9	8612.5	9239.5	10653.4
50°	9308.5	9161.3	8827.6	8953.0	9172.8	9343.0	10447.5	10400.3	9310.8	10092.0	11515.1
52.5°	9676.7	9427.0	9215.3	9439.7	9748.0	9945.9	11294.2	11165.4	9951.6	10950.3	12505.7
55°	9681.3	9613.4	9774.5	9939.0	10400.3	10643.1	12181.3	11840.7	10474.0	11793.6	13312.2
57.5°	10232.4	10121.9	10463.6	10539.5	11142.4	11416.2	13063.7	12428.6	11005.5	12440.1	13747.1
60°	10961.8	10867.4	11147.0	11347.2	12060.5	12426.3	14005.9	13032.6	11423.1	12927.9	13726.4
62.5°	12221.5	12114.5	12111.1	12391.8	13352.5	13778.1	15063.2	13625.1	11588.8	13024.6	13140.8
65°	14065.7	13895.5	13574.5	13707.9	15136.8	15561.4	16244.8	14054.2	11370.2	12506.9	11632.5
67.5°	15860.5	15854.7	15460.1	15733.9	17493.0	17833.6	17590.8	14096.8	10687.9	10704.1	8956.5
70°	17649.5	17672.5	17605.8	18558.4	20676.4	21030.7	19024.3	13525.0	9154.4	7730.1	5365.8
72.5°	19066.9	19061.1	19397.1	21853.3	24807.8	24728.4	20232.3	11792.4	6572.7	4172.8	2564.4
75°	18148.8	17948.6	18949.5	23484.7	27215.7	26828.0	19204.9	8225.9	3411.2	1899.4	1380.6
77.5°	11837.3	12027.1	13496.3	19400.5	23805.7	23334.0	14089.9	3838.0	1607.2	1246.0	1000.9
80°	4286.7	4486.9	6319.6	10989.4	16401.2	16324.1	6938.5	1577.3	1087.2	941.1	729.4
82.5°	1474.9	1548.5	2493.1	4880.3	9260.2	9605.3	2610.4	896.2	790.4	667.3	499.3
85°	578.7	662.7	1140.1	2348.1	4670.9	4705.5	1057.3	536.1	549.9	437.2	273.8
87.5°	219.7	266.9	545.3	1090.7	2133.0	1959.3	378.5	255.4	312.9	260.0	130.0
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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CATALOG NUMBER: GLEON-SA9A-830-U-T4FT

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	5205.9	5205.9	5205.9	5205.9	5205.9	5205.9	5205.9	5205.9	5205.9	5205.9	5205.9
2.5°	5214.0	5238.1	5288.7	5323.3	5360.1	5370.4	5375.0	5384.2	5393.4	5390.0	5391.1
5°	5246.2	5293.4	5375.0	5409.5	5425.7	5407.2	5371.6	5342.8	5322.1	5310.6	5307.2
7.5°	5299.1	5365.8	5453.3	5447.5	5410.7	5329.0	5237.0	5167.9	5110.4	5089.7	5078.2
10°	5369.3	5447.5	5508.5	5442.9	5335.9	5194.4	5056.4	4949.4	4863.1	4829.7	4824.0
12.5°	5459.0	5538.4	5549.9	5410.7	5233.5	5040.2	4852.7	4711.2	4582.4	4540.9	4531.7
15°	5575.2	5650.0	5578.7	5354.3	5107.0	4847.0	4604.2	4412.1	4276.3	4225.7	4207.3
17.5°	5697.2	5768.5	5584.4	5261.1	4941.3	4618.0	4313.1	4116.4	3961.1	3902.4	3895.5
20°	5843.3	5875.5	5560.3	5127.7	4713.5	4321.2	4000.2	3815.0	3732.2	3690.7	3686.1
22.5°	6023.9	5989.4	5505.0	4947.1	4424.7	3978.4	3717.2	3630.9	3610.2	3601.0	3604.4
25°	6214.9	6109.0	5423.4	4711.2	4060.0	3635.5	3510.1	3534.3	3561.9	3558.4	3558.4
27.5°	6425.4	6231.0	5298.0	4398.3	3656.2	3354.8	3369.8	3458.3	3499.8	3498.6	3497.5
30°	6695.8	6369.0	5138.0	4022.1	3278.9	3156.9	3247.8	3355.9	3412.3	3410.0	3411.2
32.5°	7028.3	6520.9	4920.6	3602.1	3006.2	3010.8	3115.5	3222.5	3288.1	3282.3	3283.5
35°	7417.1	6691.2	4626.1	3188.0	2825.6	2894.6	2977.4	3052.2	3114.3	3106.3	3098.2
37.5°	7840.5	6858.0	4234.9	2817.5	2678.3	2786.5	2855.5	2868.1	2896.9	2876.2	2861.2
40°	8243.2	6985.7	3731.0	2513.8	2529.9	2694.4	2739.3	2688.7	2636.9	2630.0	2609.3
42.5°	8594.1	7028.3	3221.3	2271.0	2373.4	2597.8	2625.4	2519.5	2426.4	2382.6	2364.2
45°	8964.5	7043.2	2746.2	2067.4	2222.7	2511.5	2541.4	2399.9	2268.7	2174.4	2143.3
47.5°	9448.9	7151.4	2376.9	1916.7	2107.7	2454.0	2496.5	2304.4	2134.1	1999.5	1970.8
50°	10082.8	7365.4	2076.6	1801.6	2032.9	2416.0	2464.3	2211.2	2023.7	1861.5	1832.7
52.5°	10786.9	7562.1	1833.9	1708.5	1960.4	2349.3	2422.9	2144.5	1920.1	1733.8	1702.7
55°	11279.3	7411.4	1638.3	1611.8	1866.1	2253.8	2365.4	2088.1	1771.7	1609.5	1581.9
57.5°	11373.6	6896.0	1489.9	1511.7	1752.2	2134.1	2276.8	1962.7	1691.2	1555.4	1526.7
60°	11115.9	6178.1	1379.4	1419.7	1630.2	1983.4	2111.1	1874.1	1614.1	1497.9	1473.8
62.5°	10468.2	5442.9	1297.7	1336.9	1516.3	1830.4	2007.6	1780.9	1535.9	1432.3	1408.2
65°	9160.1	4569.7	1219.5	1263.2	1410.5	1698.1	1914.4	1694.7	1458.8	1379.4	1356.4
67.5°	6914.4	3422.7	1145.9	1185.0	1316.1	1583.1	1813.2	1609.5	1384.0	1333.4	1305.8
70°	4071.5	2143.3	1061.9	1103.3	1217.2	1463.4	1705.0	1516.3	1290.8	1267.8	1232.2
72.5°	1894.8	1289.7	966.4	1006.7	1093.0	1303.5	1565.8	1394.4	1180.4	1129.8	1081.4
75°	*1130.9*	*943.4*	*853.7*	*889.3*	*950.3*	*1133.2*	*1390.9*	*1270.1*	*1075.7*	*1009.0*	*958.3*
77.5°	845.6	721.3	729.4	767.4	816.8	991.7	1232.2	1172.3	995.2	943.4	908.9
80°	608.6	547.6	594.8	636.2	688.0	902.0	1180.4	1083.8	899.7	830.6	798.4
82.5°	406.1	393.5	447.5	490.1	540.7	789.2	1109.1	949.1	768.5	681.1	609.8
85°	224.3	237.0	301.4	319.8	363.6	555.7	908.9	762.8	578.7	465.9	445.2
87.5°	93.2	109.3	162.2	156.5	193.3	331.3	598.2	460.2	368.2	275.0	214.0
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

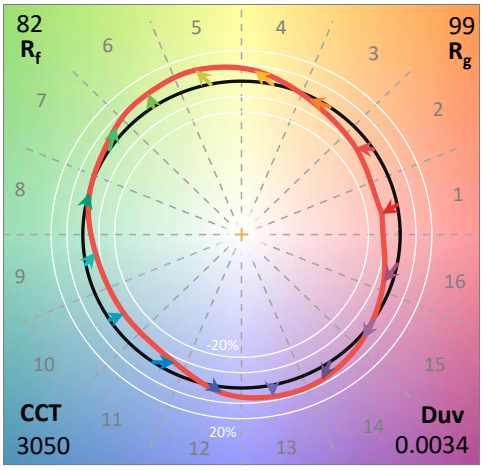
Test Information

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

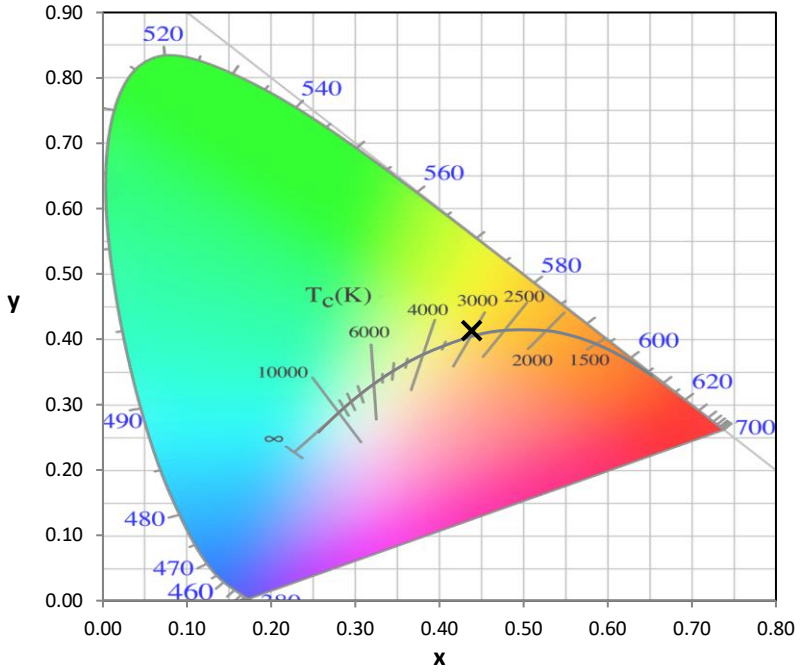
Stabilization Time:	20M
Operation Time:	1H 20M
Sphere Temperature (°C):	24.2

REPORT NUMBER: SP1-2408-195-9

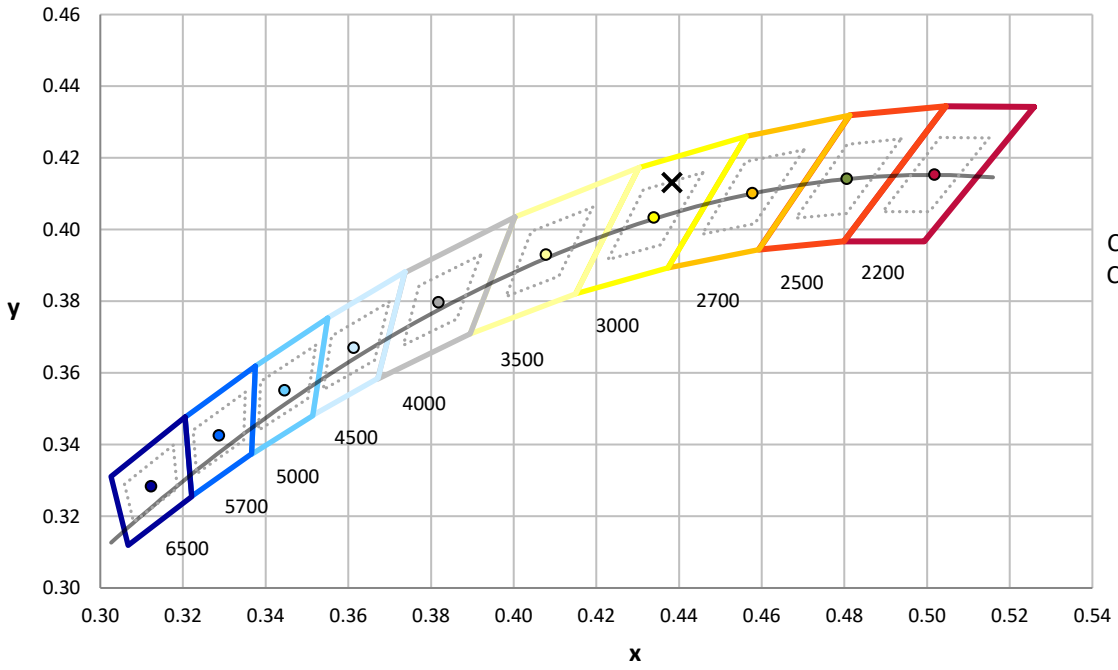
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

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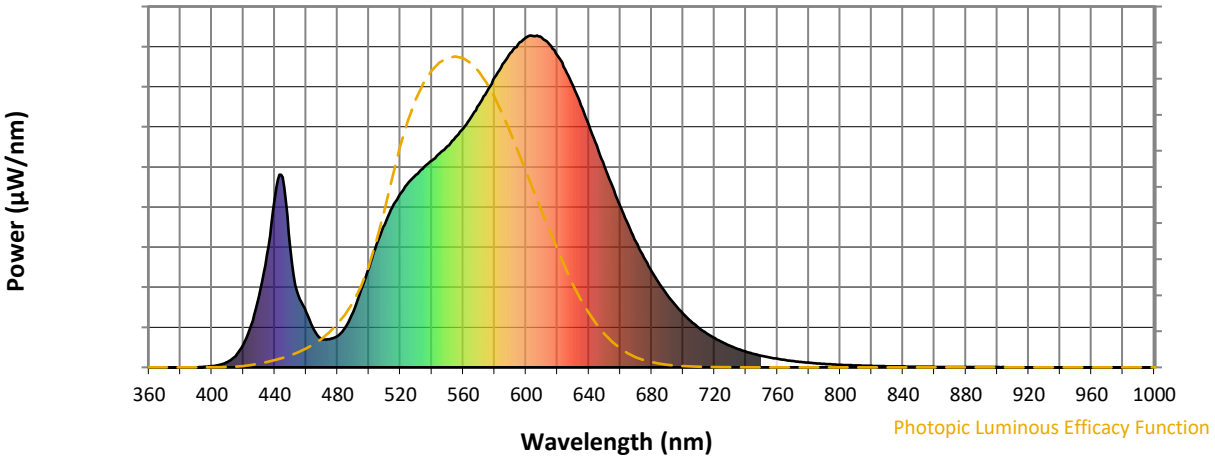
Photopic Flux vs. Wavelength



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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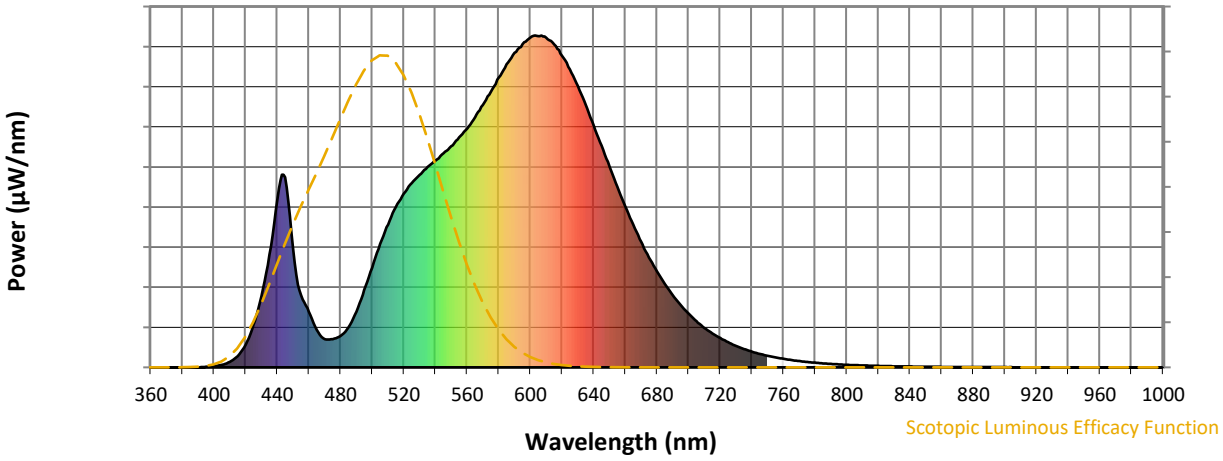
Scotopic Flux vs. Wavelength



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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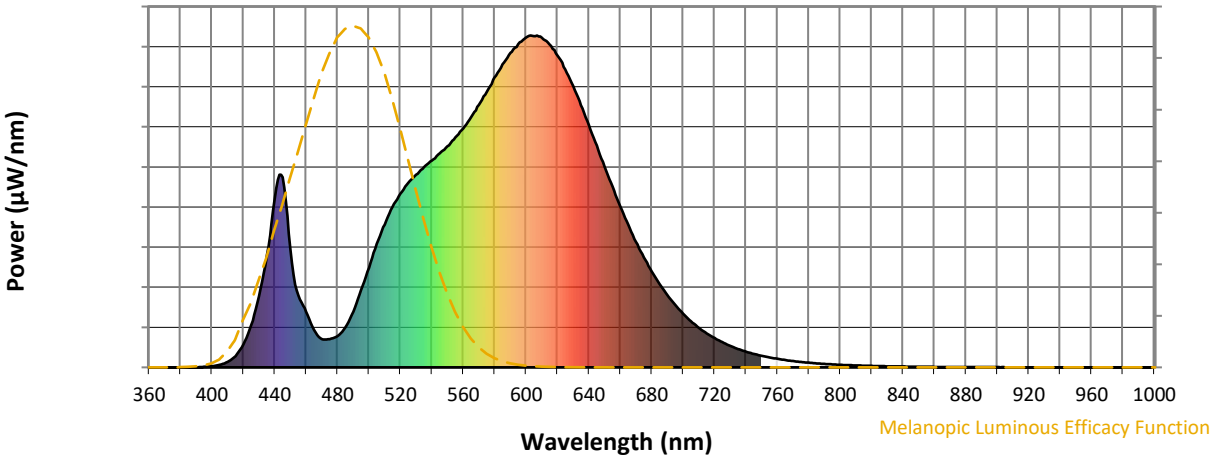
Melanopic Flux vs. Wavelength



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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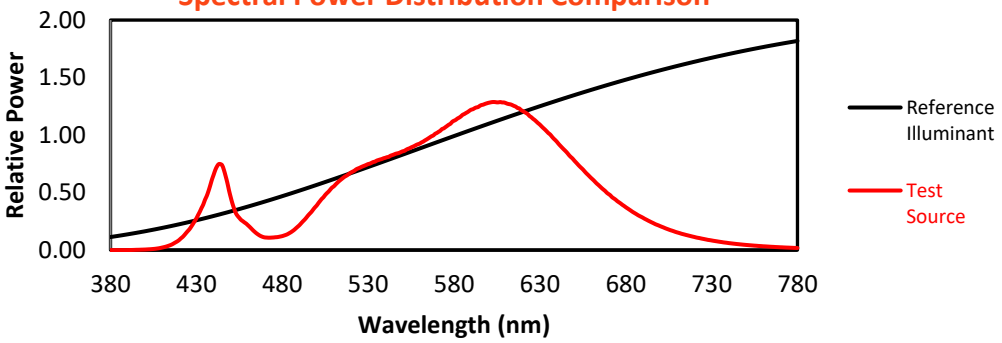
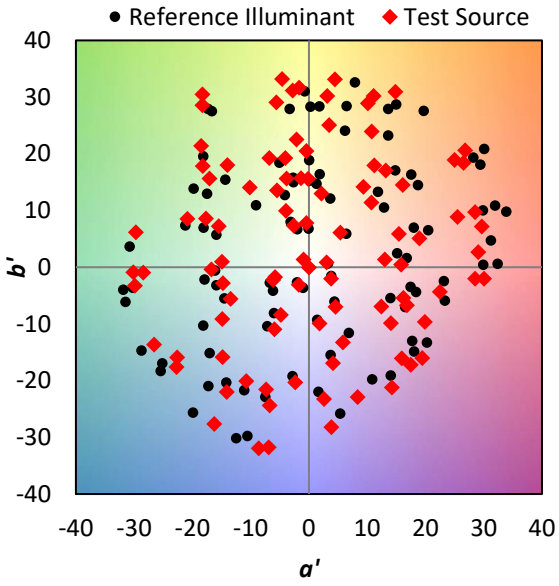
Summary

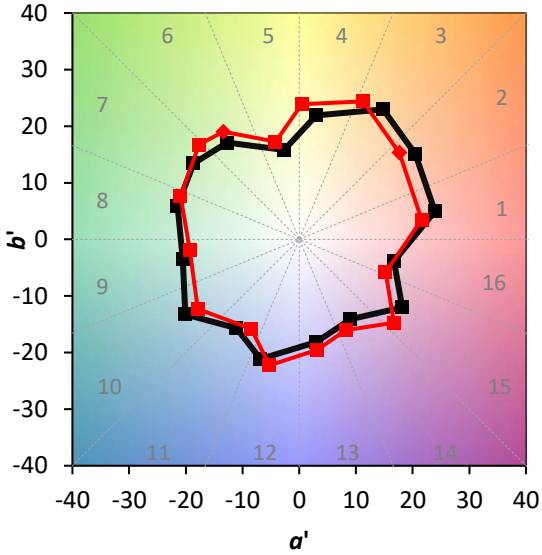
R_f = 81.5
R_g = 99.2
CIE R_a = 81.0
R_9 = 7.1

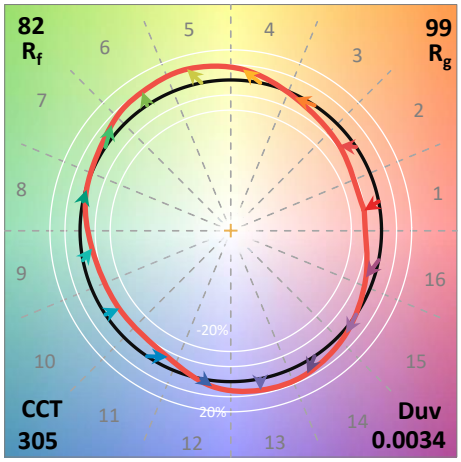
Spectral Power Distribution Comparison

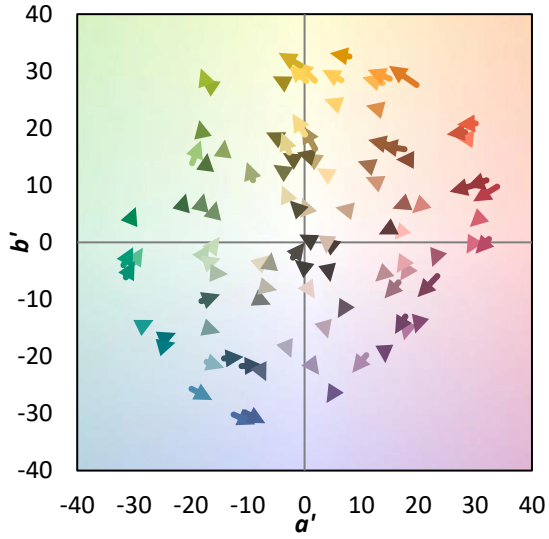


Color Vector Graphics









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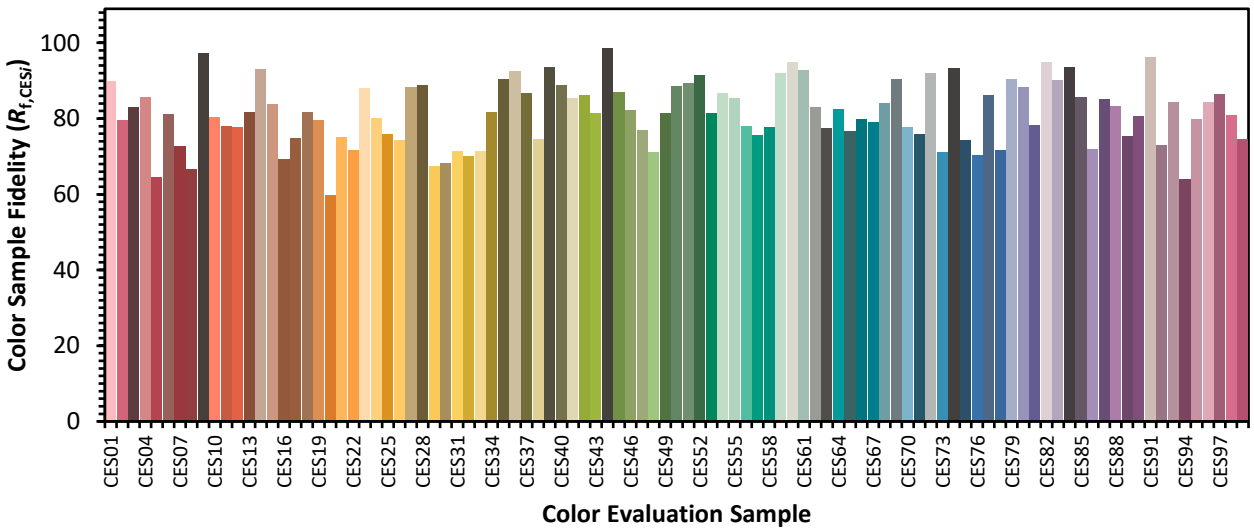
Individual Sample Fidelity Index ($R_{f,i}$)

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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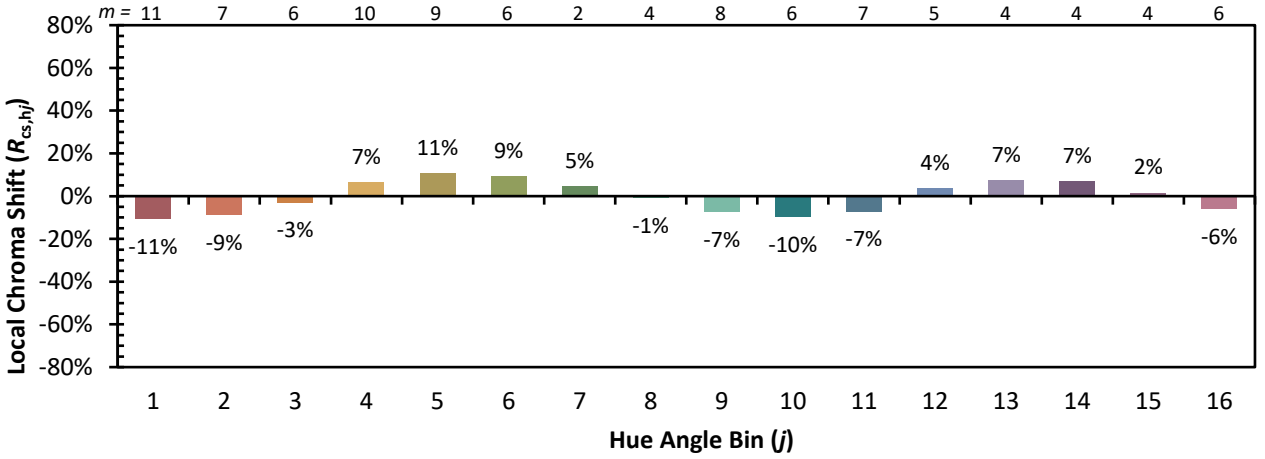
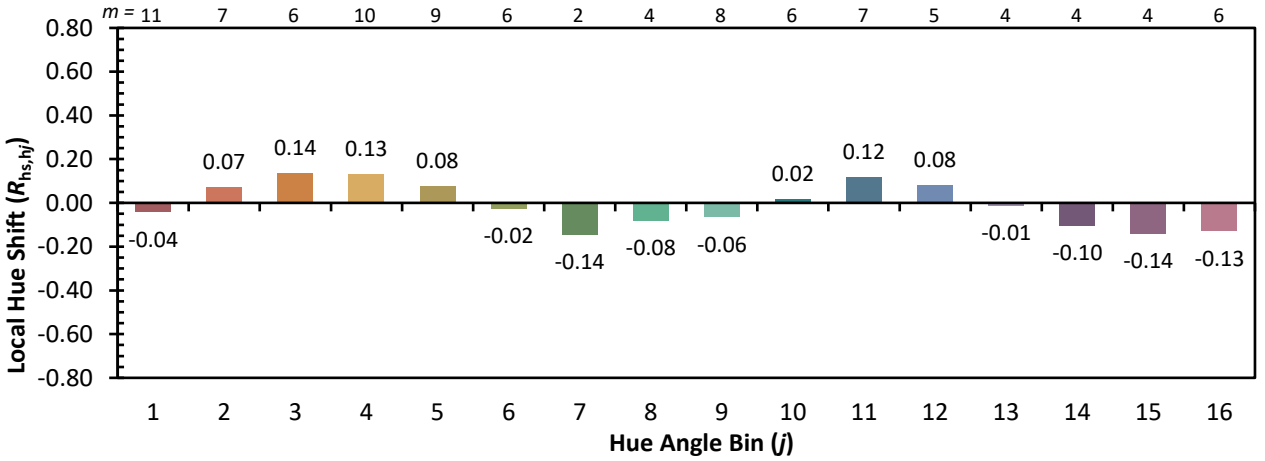
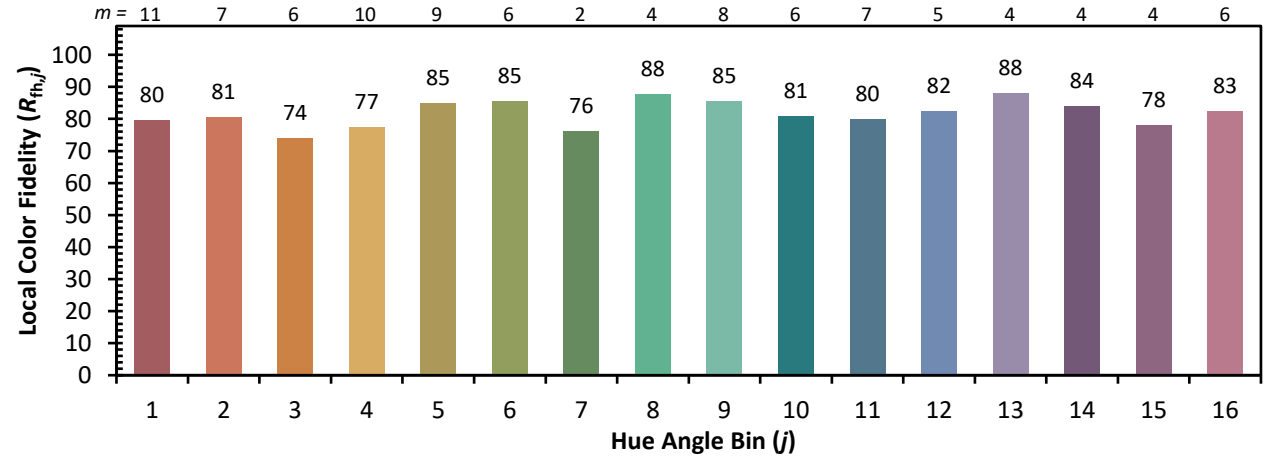
Color Rendition by Hue-Angle Bin







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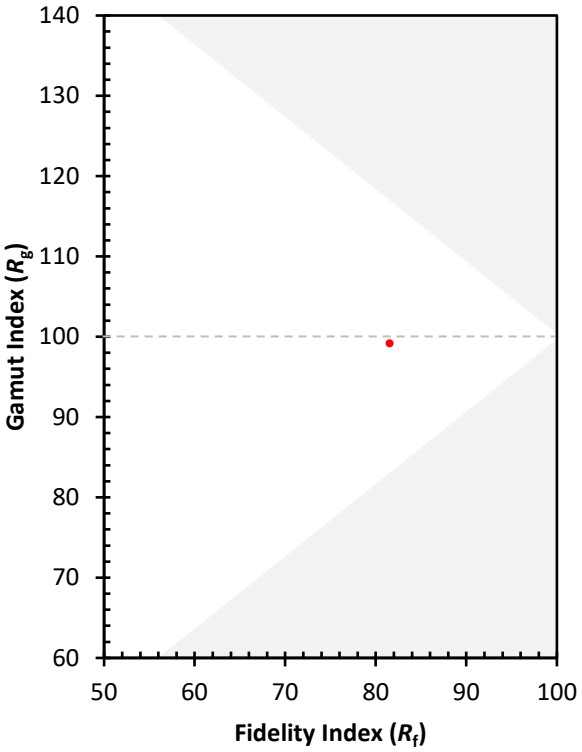
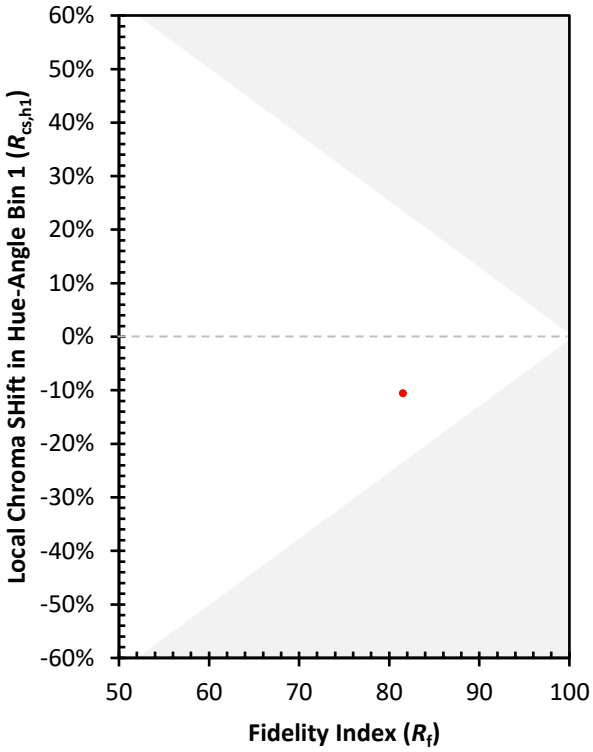
Measure Comparisons





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