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: P318263

Luminaire Tested: **GLEON-SA9D-830-U-T2**

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:	P318263
	TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-12)
Test Lab:	INNOVATION CENTER
Issue Date:	3/3/2020
Manufacturer:	COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line:	McGRAW-EDISON
Catalog Number:	GLEON-SA9D-830-U-T2
Description:	GALLEON AREA AND ROADWAY LUMINAIRE
	(9) 80 CRI, 3000K, 1200mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II OPTICS
Light Source:	-
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	54093 lumens
Efficiency:	N/A
Efficacy:	94.1 lumens/watt
Luminous Opening:	Rectangular (W 2.5' x L: 1' x H: 0')
IES Classification:	Type III - Medium
BUG Rating:	B4 - U0 - G5

Input Watts (W):	575
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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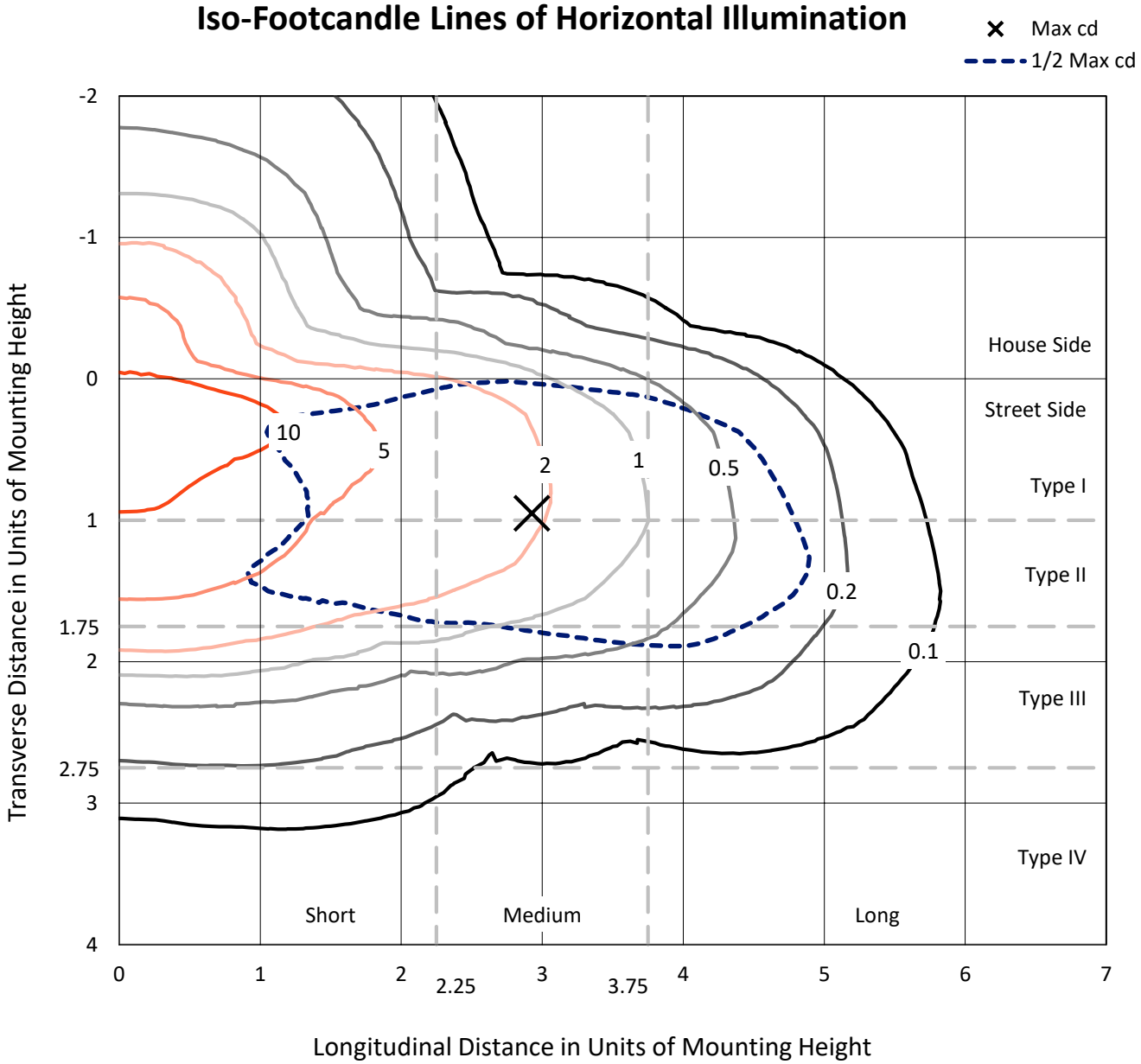
REPORT NUMBER: P318263
CATALOG NUMBER: GLEON-SA9D-830-U-T2

Iso-Footcandle Lines of Horizontal Illumination



Based on 25 foot mounting height. Maximum calculated value = 14.7 fc
Type III - Medium - N/A

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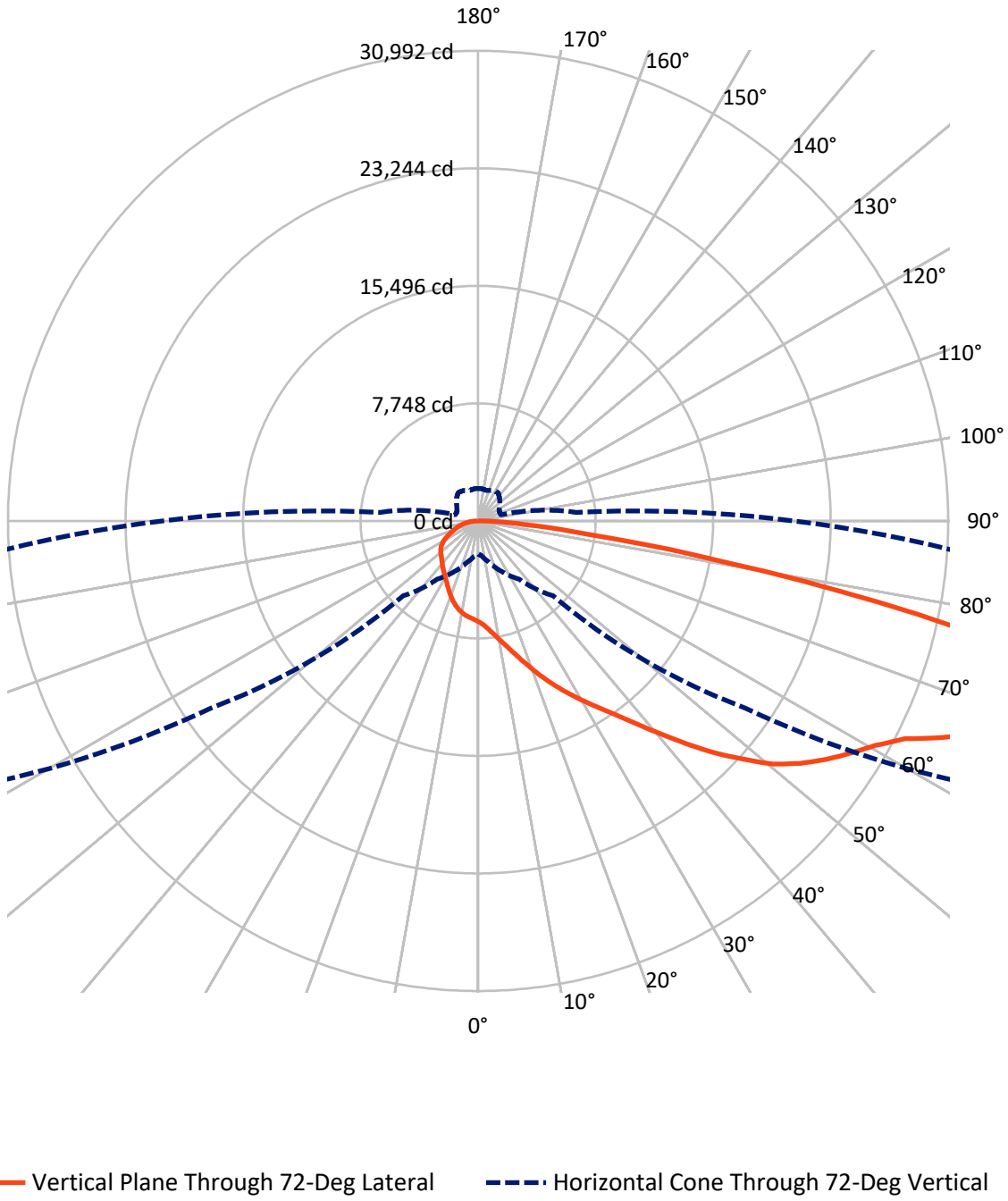
Luminous Intensity Polar Plot



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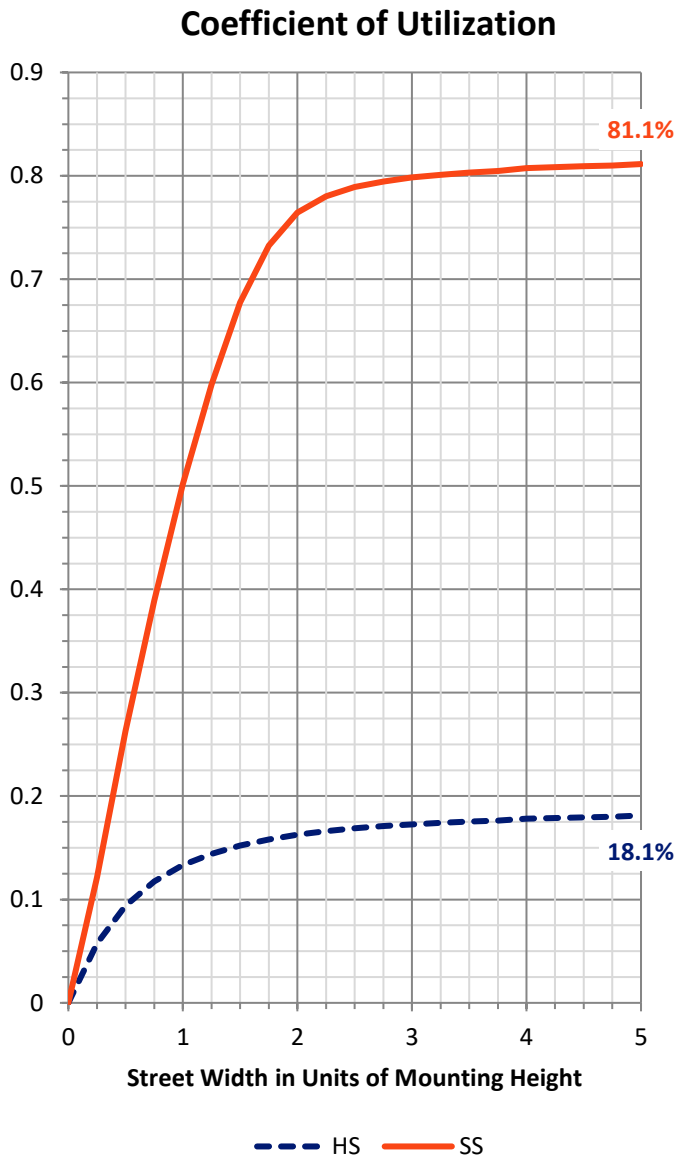
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	10034.6	0.0	10034.6
	% Fixture	18.6	0.0	18.6
Street Side	Lumens	44058.4	0.0	44058.4
	% Fixture	81.4	0.0	81.4
Total	Lumens	54093.0	0.0	54093.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	666.8	1.2
10°-20°	2154.9	4.0
20°-30°	3776.0	7.0
30°-40°	5598.7	10.4
40°-50°	8188.5	15.1
50°-60°	11267.4	20.8
60°-70°	12543.9	23.2
70°-80°	8499.7	15.7
80°-90°	1397.0	2.6
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°	54093.0	100.0
0°-180°	54093.0	100.0



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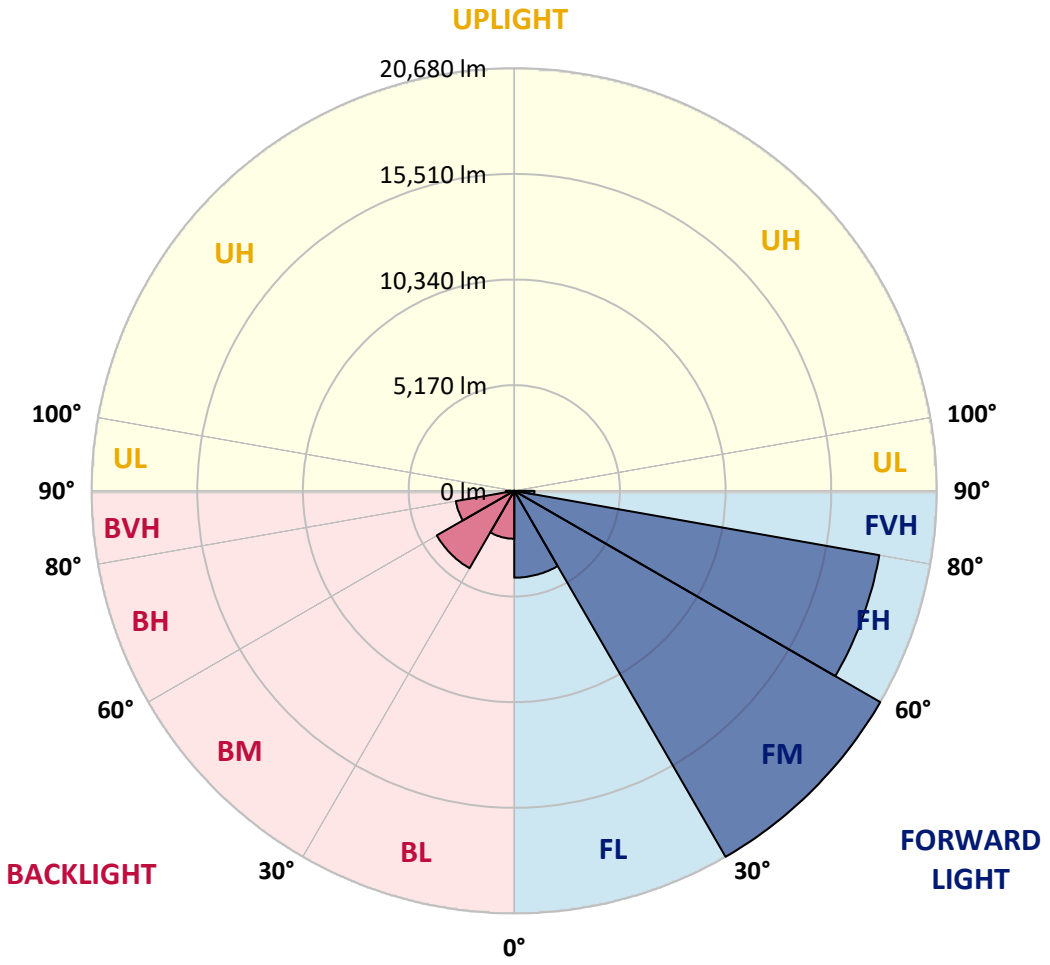
CATALOG NUMBER: GLEON-SA9D-830-U-T2

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	4252.0	7.9			
FM	(30°-60°)	20680.4	38.2			
FH	(60°-80°)	18140.5	33.5			G5
FVH	(80°-90°)	985.4	1.8			G5
BL	(0°-30°)	2345.7	4.3	B3/2500		
BM	(30°-60°)	4374.2	8.1	B3/5000		
BH	(60°-80°)	2903.1	5.4	B4/5000		G4/5000
BVH	(80°-90°)	411.6	0.8			G3/500
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B4-U0-G5
Type III Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	72°	75°	85°
0°	6654.9	6654.9	6654.9	6654.9	6654.9	6654.9	6654.9	6654.9	6654.9	6654.9	6654.9
2.5°	7351.4	7340.3	7301.2	7301.2	7226.6	7163.3	7044.1	6964.0	6869.0	6835.5	6723.8
5°	8062.9	8066.7	8018.2	7984.7	7874.8	7740.7	7537.7	7353.3	7168.9	7094.4	6865.3
7.5°	8660.8	8653.4	8640.3	8612.4	8509.9	8372.1	8098.3	7824.5	7552.6	7440.8	7046.0
10°	9044.5	9061.3	9072.4	9085.5	9042.6	8943.9	8685.0	8351.6	7995.9	7843.1	7262.0
12.5°	9238.2	9268.0	9320.1	9409.5	9480.3	9469.1	9281.0	8927.1	8504.4	8312.5	7532.1
15°	9351.8	9390.9	9472.9	9633.0	9832.3	9946.0	9895.7	9575.3	9104.1	8867.5	7861.8
17.5°	9422.6	9454.2	9580.9	9795.1	10091.2	10393.0	10525.2	10257.0	9782.1	9512.0	8239.9
20°	9471.0	9495.2	9653.5	9905.0	10288.7	10769.2	11138.0	11070.9	10528.9	10178.8	8634.7
22.5°	9579.0	9599.5	9750.4	10003.7	10428.4	11048.6	11728.4	11829.0	11316.8	10920.1	9057.5
25°	9880.8	9880.8	10007.4	10184.4	10582.9	11290.7	12227.6	12672.7	12121.4	11659.5	9448.7
27.5°	10456.3	10450.7	10497.3	10558.7	10860.5	11536.6	12672.7	13417.7	12955.8	12451.1	9828.6
30°	11138.0	11175.2	11180.8	11151.0	11292.6	11843.9	13084.3	14203.7	13795.8	13252.0	10217.9
32.5°	12015.2	12039.4	12011.5	11912.8	11892.3	12279.7	13488.5	15027.0	14704.7	14088.2	10573.6
35°	13129.0	13082.5	12994.9	12793.8	12601.9	12862.7	13950.4	15850.2	15725.4	15099.6	11063.5
37.5°	14322.9	14324.8	14216.8	13760.4	13496.0	13607.7	14587.4	16783.3	16960.3	16302.8	11691.2
40°	15280.3	15330.6	15397.6	14797.9	14455.2	14609.8	15397.6	17865.5	18420.5	17729.5	12508.8
42.5°	15948.9	16006.7	16196.6	15820.4	15464.7	15751.5	16351.2	19020.2	20059.5	19376.0	13466.2
45°	16656.7	16688.3	16822.4	16660.4	16433.2	17079.5	17425.9	20216.0	21793.6	21130.5	14537.1
47.5°	17401.7	17435.2	17573.1	17465.0	17345.8	18319.9	18547.2	21342.8	23454.9	23058.2	15680.7
50°	18321.8	18344.1	18474.5	18279.0	18316.2	19254.9	19549.2	22376.5	25196.4	24790.4	16828.0
52.5°	19577.1	19582.7	19763.4	19586.5	19411.4	19940.3	20411.6	23350.6	26561.7	26369.8	17975.4
55°	20560.6	20620.2	21212.5	21175.2	21074.6	20562.4	21132.4	24278.2	27779.8	27871.0	19193.5
57.5°	19932.9	20165.7	21365.2	22210.8	23034.0	22110.2	22106.5	25323.1	28912.2	29344.3	20532.6
60°	17457.6	17774.2	19541.8	21417.3	23993.2	24803.4	24129.2	26598.9	30055.8	30804.5	22210.8
62.5°	12467.8	12989.3	15384.6	18379.5	22678.3	26587.7	28245.4	28623.5	31611.0	32495.7	24391.8
65°	6302.8	6697.7	8705.5	12313.2	18118.8	25421.8	32719.2	33056.3	34313.5	35099.5	27750.0
67.5°	3829.4	3978.4	4958.1	6848.6	11108.2	19802.5	34179.4	40445.0	39543.6	39960.8	32538.5
70°	2821.7	2931.6	3542.5	4548.3	6388.5	11620.4	29698.2	45717.9	45125.6	45079.0	36077.4
72°	2197.8	2277.9	2818.0	3674.8	4671.2	6971.5	21525.4	43771.5	46723.6	46489.0	35753.3
72.5°	2084.2	2155.0	2646.7	3458.7	4414.2	6319.6	19353.6	42458.4	46608.2	46502.0	35334.2
75°	1640.9	1691.2	1959.4	2674.6	3455.0	3585.4	10605.3	32903.6	41346.5	43065.6	31780.5
77.5°	1357.8	1365.2	1506.8	1946.4	2693.2	2534.9	5209.5	22829.1	29606.9	31497.4	22512.5
80°	1106.3	1115.7	1182.7	1365.2	2037.6	1875.6	2473.5	13127.2	16576.6	16597.1	10705.9
82.5°	881.0	882.8	957.3	998.3	1464.0	1341.0	1417.4	6163.1	7243.4	6967.8	3848.0
85°	620.2	607.2	935.0	819.5	957.3	860.5	782.3	2439.9	2995.0	2864.6	1205.1
87.5°	206.7	214.2	415.3	530.8	558.8	488.0	348.3	935.0	1130.6	1121.2	381.8
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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Scaled Data Report

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CATALOG NUMBER: GLEON-SA9D-830-U-T2

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	6654.9	6654.9	6654.9	6654.9	6654.9	6654.9	6654.9	6654.9	6654.9	6654.9	6654.9
2.5°	6688.4	6628.8	6541.2	6444.4	6368.0	6289.8	6232.1	6202.3	6168.7	6140.8	6174.3
5°	6759.2	6647.4	6461.1	6278.6	6144.5	6025.3	5939.6	5894.9	5854.0	5826.0	5829.7
7.5°	6874.6	6694.0	6381.1	6114.7	5928.5	5799.9	5712.4	5682.6	5656.5	5649.1	5658.4
10°	6997.6	6731.2	6274.9	5921.0	5708.7	5602.5	5563.4	5583.9	5602.5	5619.3	5637.9
12.5°	7137.2	6764.7	6120.3	5693.8	5513.1	5472.1	5511.3	5600.7	5665.8	5705.0	5729.2
15°	7319.8	6794.5	5941.5	5466.6	5345.5	5392.0	5524.3	5678.9	5792.5	5865.1	5876.3
17.5°	7487.4	6792.7	5712.4	5237.5	5209.5	5345.5	5544.8	5762.7	5915.4	6017.9	6038.3
20°	7660.6	6742.4	5446.1	5014.0	5071.7	5295.2	5554.1	5816.7	6001.1	6120.3	6148.2
22.5°	7822.7	6654.9	5153.6	4810.9	4956.2	5228.1	5518.7	5785.0	5969.4	6066.3	6096.1
25°	7932.6	6502.1	4857.5	4639.6	4853.8	5146.2	5403.2	5617.4	5755.2	5803.7	5811.1
27.5°	7988.4	6302.8	4578.1	4490.6	4747.6	5012.1	5189.0	5295.2	5334.3	5330.6	5323.1
30°	7995.9	6040.2	4337.9	4369.5	4624.7	4814.7	4898.5	4878.0	4827.7	4742.0	4749.5
32.5°	7971.7	5744.1	4136.7	4254.0	4468.2	4574.4	4578.1	4479.4	4345.3	4209.3	4172.1
35°	7979.1	5453.5	3959.8	4123.7	4278.3	4324.8	4282.0	4136.7	3954.2	3779.1	3741.8
37.5°	8061.1	5200.2	3807.0	3972.8	4067.8	4079.0	4017.5	3864.8	3730.7	3559.3	3544.4
40°	8256.6	5019.5	3661.8	3803.3	3857.3	3862.9	3775.4	3667.3	3678.5	3587.2	3585.4
42.5°	8608.7	4941.3	3533.2	3626.4	3659.9	3671.1	3604.0	3535.1	3632.0	3572.3	3551.9
45°	9063.1	4959.9	3425.2	3453.1	3514.6	3566.8	3525.8	3442.0	3479.2	3220.3	3134.7
47.5°	9588.3	5079.1	3339.5	3304.1	3410.3	3509.0	3445.7	3319.0	3186.8	2929.8	2881.3
50°	10203.0	5263.5	3261.3	3157.0	3296.7	3430.8	3367.5	3186.8	2987.5	2862.7	2846.0
52.5°	10843.7	5488.9	3183.1	2995.0	3153.3	3371.2	3339.5	3157.0	2911.1	2788.2	2765.9
55°	11570.1	5716.1	3084.4	2806.8	2998.7	3343.3	3326.5	3049.0	2853.4	2784.5	2767.7
57.5°	12473.4	5975.0	2954.0	2611.3	2853.4	3242.7	3190.5	2983.8	2793.8	2741.7	2736.1
60°	13650.5	6356.8	2765.9	2402.7	2676.5	3088.1	3076.9	2888.8	2698.8	2661.6	2654.1
62.5°	15416.2	6988.2	2507.0	2194.1	2479.0	2825.5	2927.9	2760.3	2598.2	2596.4	2600.1
65°	18154.2	7938.1	2225.7	2011.5	2279.7	2603.8	2754.7	2628.0	2495.8	2533.1	2538.6
67.5°	21327.9	8726.0	1950.1	1832.7	2076.7	2393.4	2598.2	2495.8	2359.8	2456.7	2458.6
70°	22384.0	8022.0	1707.9	1655.8	1866.3	2190.3	2428.8	2350.5	2212.7	2309.5	2300.2
72°	*20830.6*	*6476.0*	*1551.5*	*1521.7*	*1707.9*	*2022.7*	*2277.9*	*2214.6*	*2078.6*	*2143.8*	*2119.6*
72.5°	20340.8	6174.3	1512.4	1488.2	1665.1	1979.9	2238.8	2181.0	2045.1	2100.9	2078.6
75°	18144.9	5362.2	1300.1	1305.6	1452.8	1771.3	2019.0	2000.4	1860.7	1866.3	1858.8
77.5°	13160.7	3931.8	1095.2	1132.4	1236.7	1557.1	1797.3	1786.2	1633.4	1605.5	1599.9
80°	6107.3	2006.0	892.2	908.9	1016.9	1301.9	1532.9	1518.0	1395.0	1359.7	1339.2
82.5°	2091.6	953.6	670.5	681.7	787.9	1048.6	1329.9	1320.5	1218.1	1149.2	1106.3
85°	746.9	474.9	469.4	458.2	562.5	825.1	1158.5	1108.2	957.3	815.8	812.1
87.5°	242.1	203.0	242.1	240.3	327.8	558.8	841.9	717.1	694.7	577.4	566.2
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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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

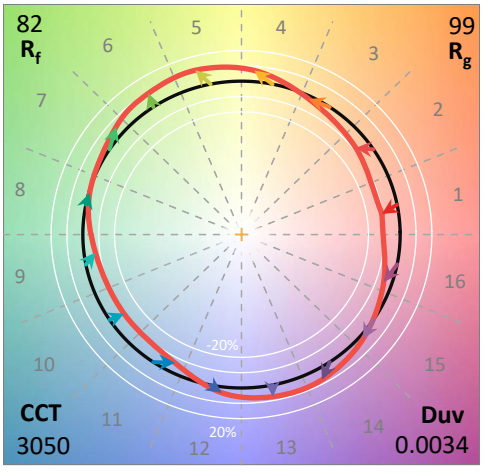
Test Information

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

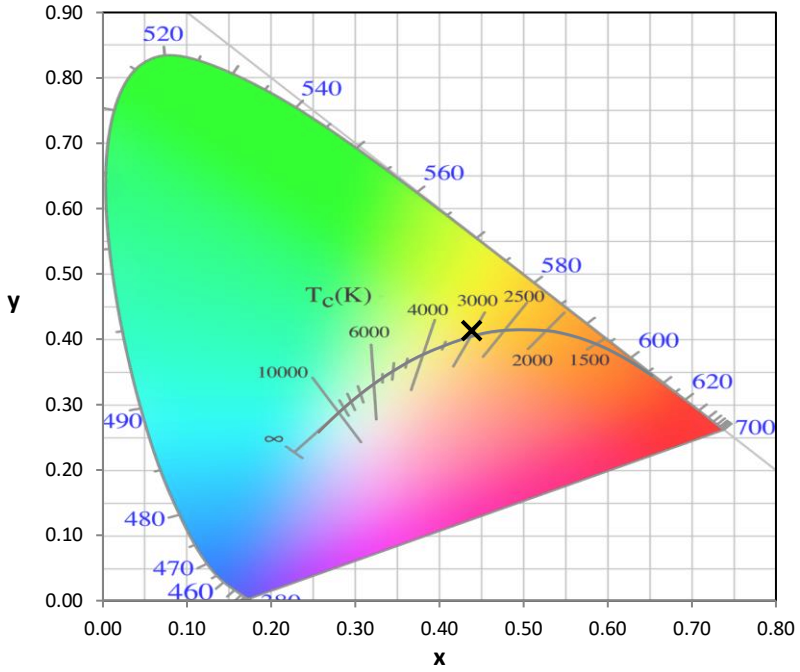
Stabilization Time:	20M
Operation Time:	1H 20M
Sphere Temperature (°C):	24.2

REPORT NUMBER: SP1-2408-195-9

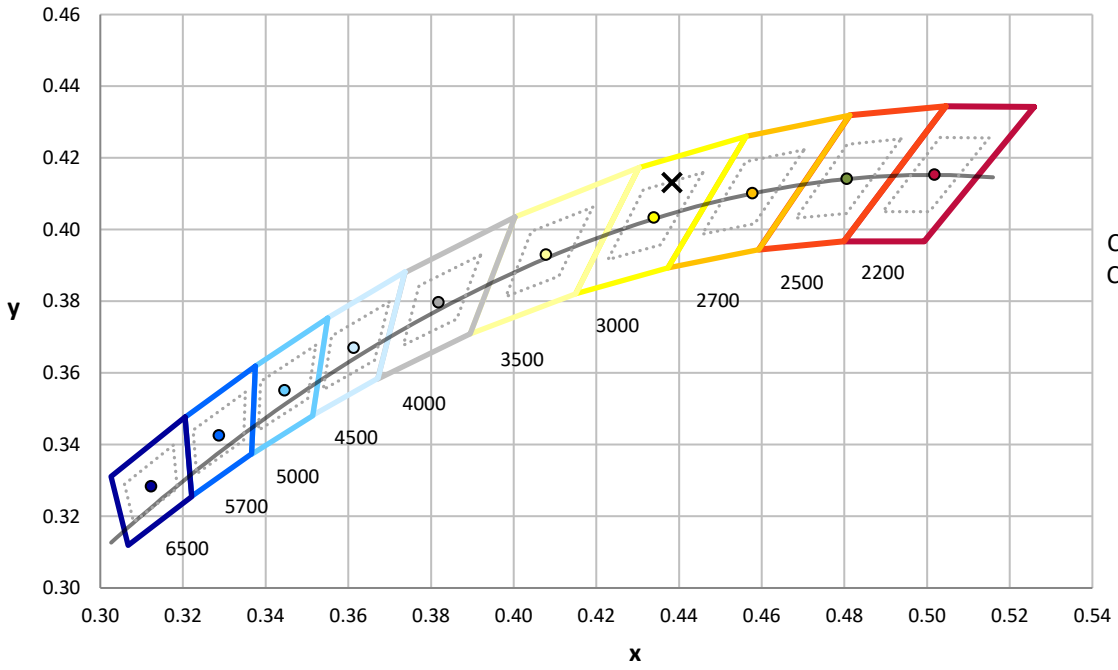
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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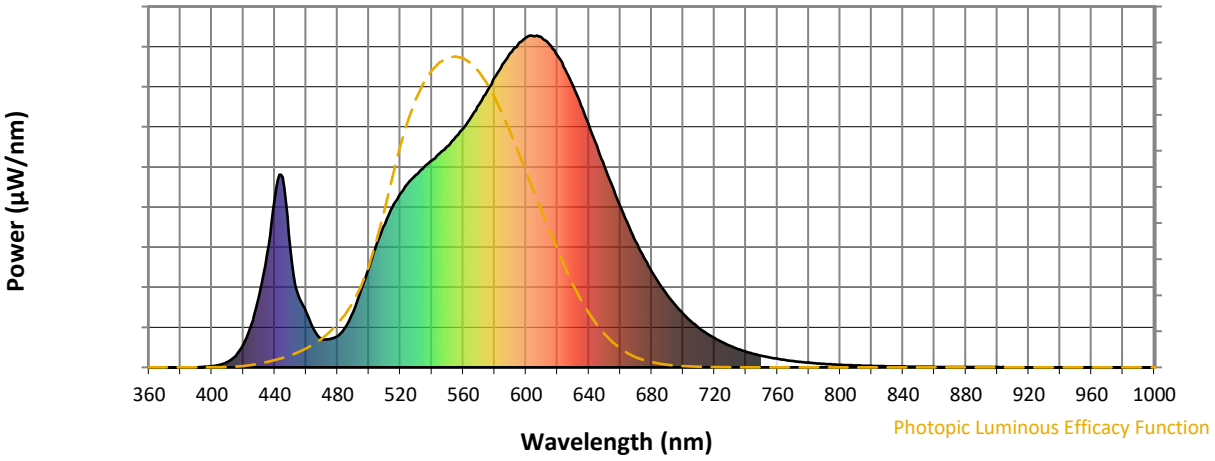
Photopic Flux vs. Wavelength



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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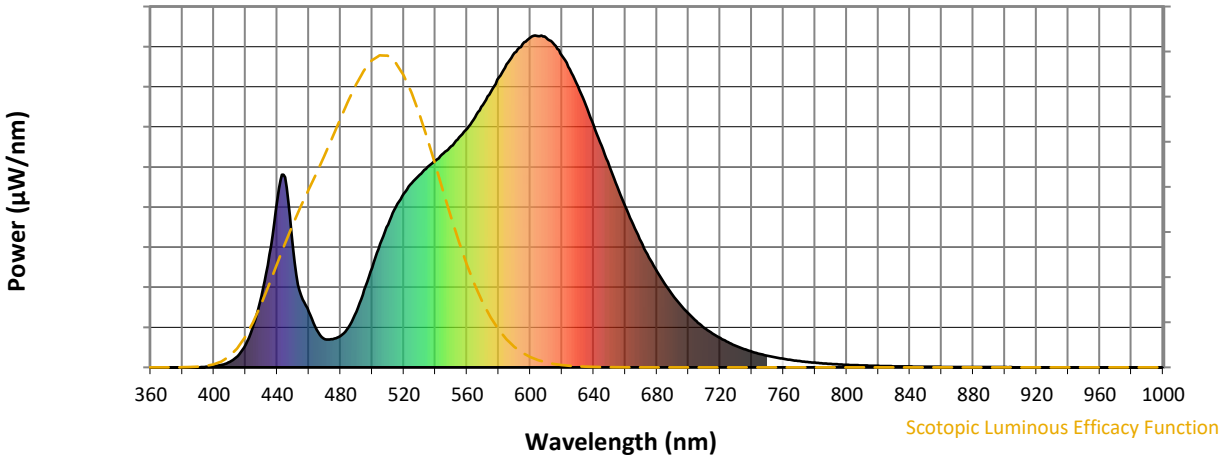
Scotopic Flux vs. Wavelength



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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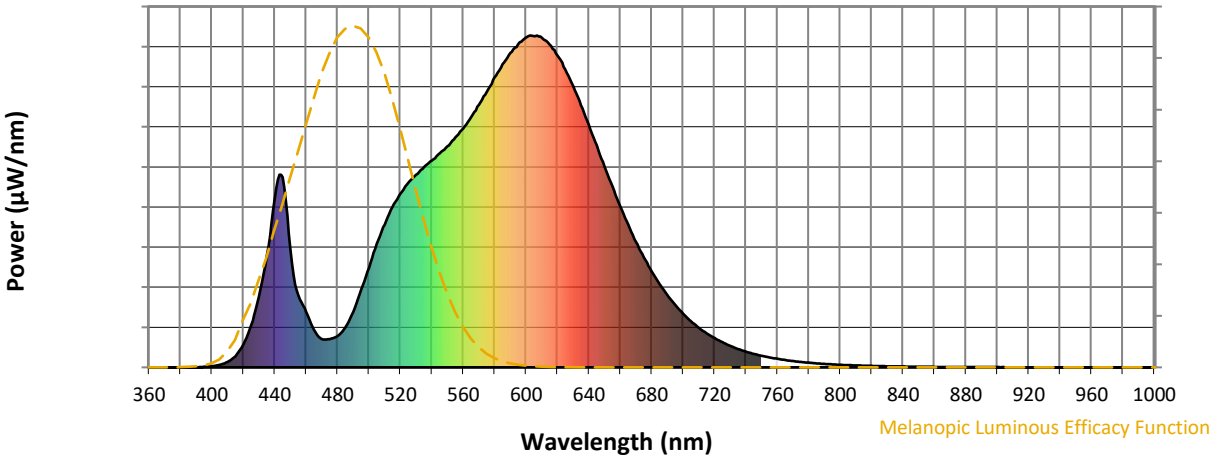
Melanopic Flux vs. Wavelength



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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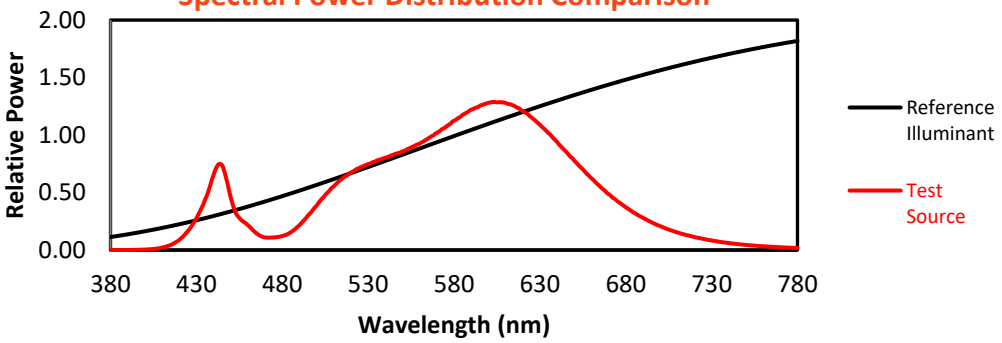
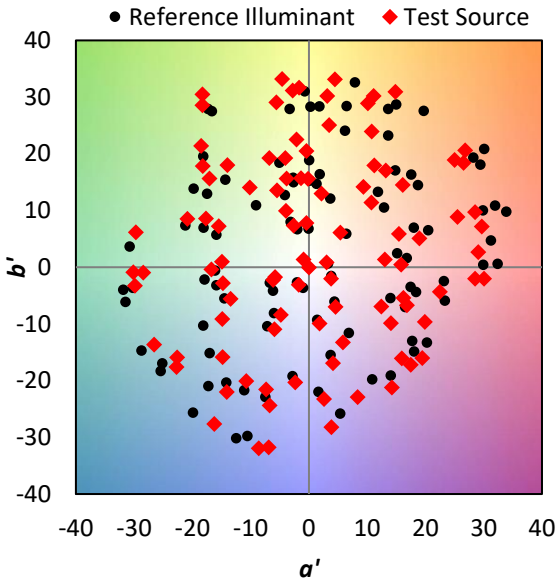
Summary

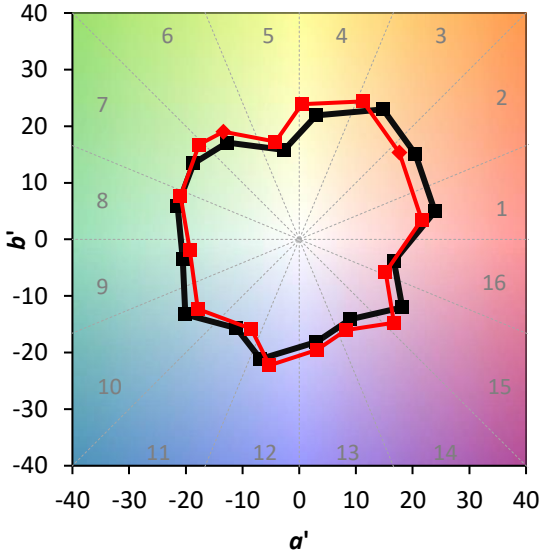
R_f = 81.5
R_g = 99.2
CIE R_a = 81.0
R_9 = 7.1

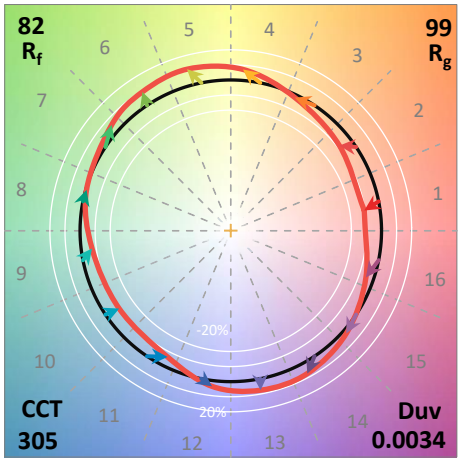
Spectral Power Distribution Comparison

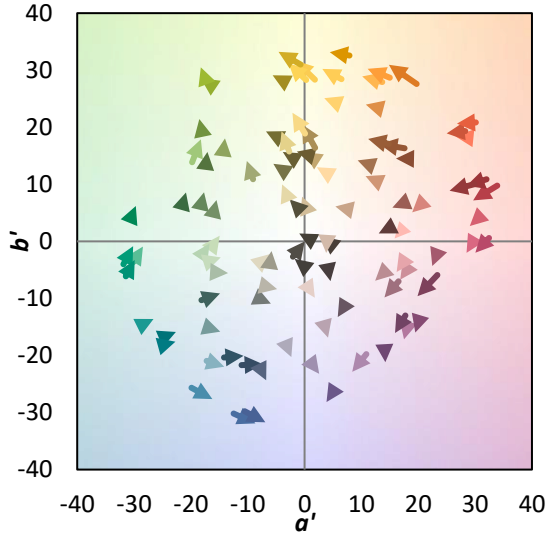


Color Vector Graphics









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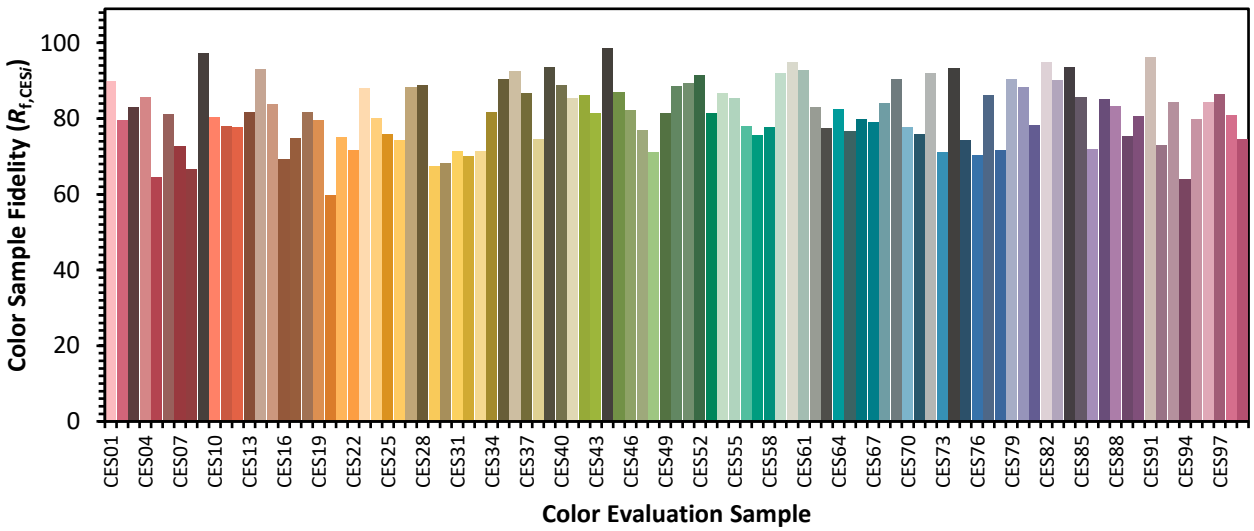
Individual Sample Fidelity Index ($R_{f,i}$)

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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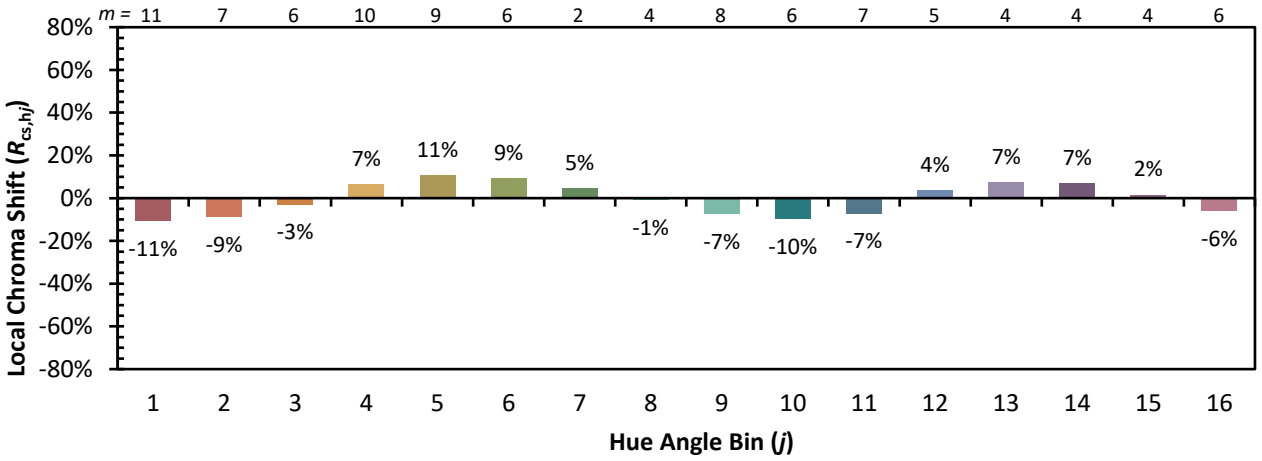
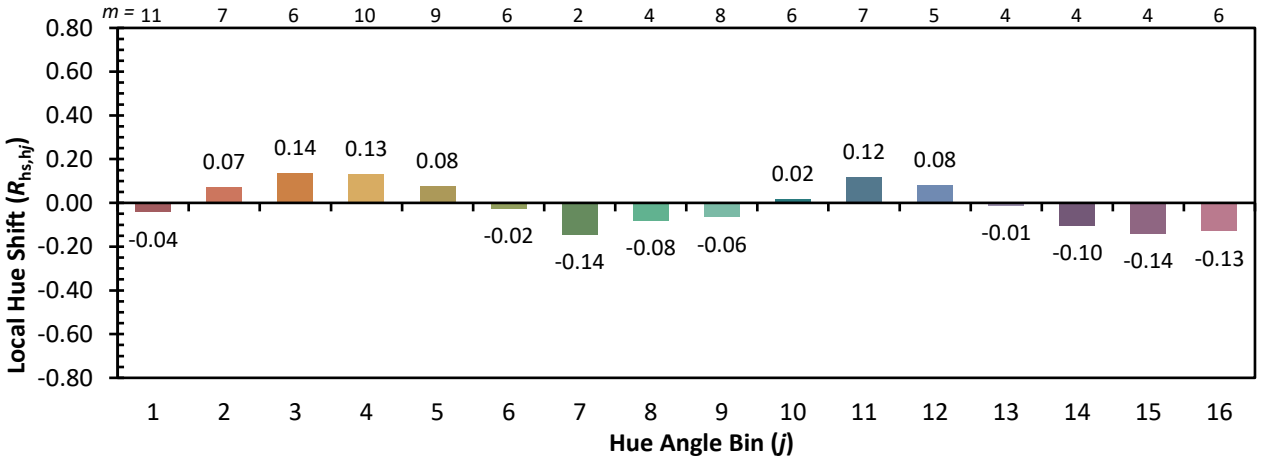
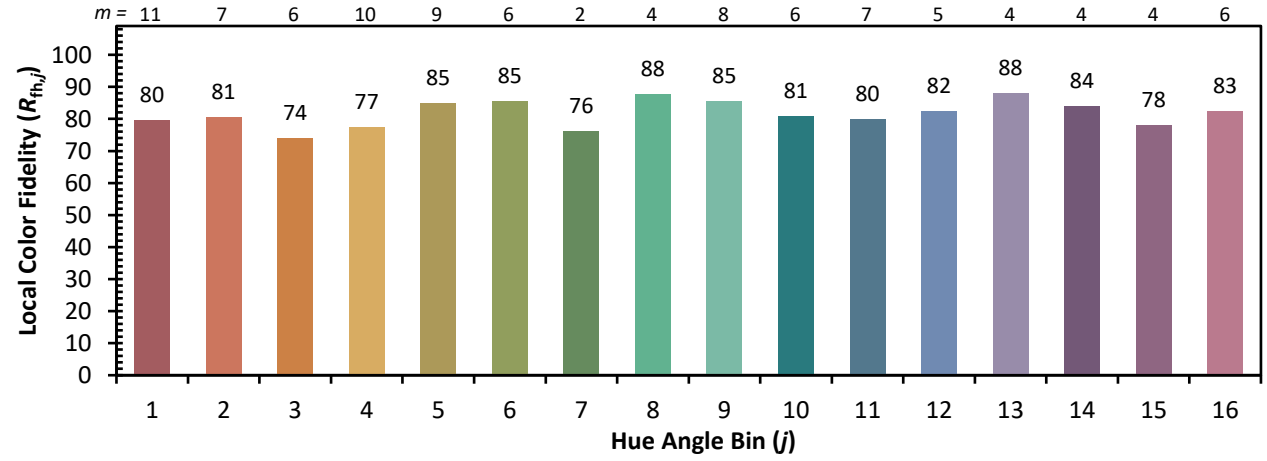
Color Rendition by Hue-Angle Bin







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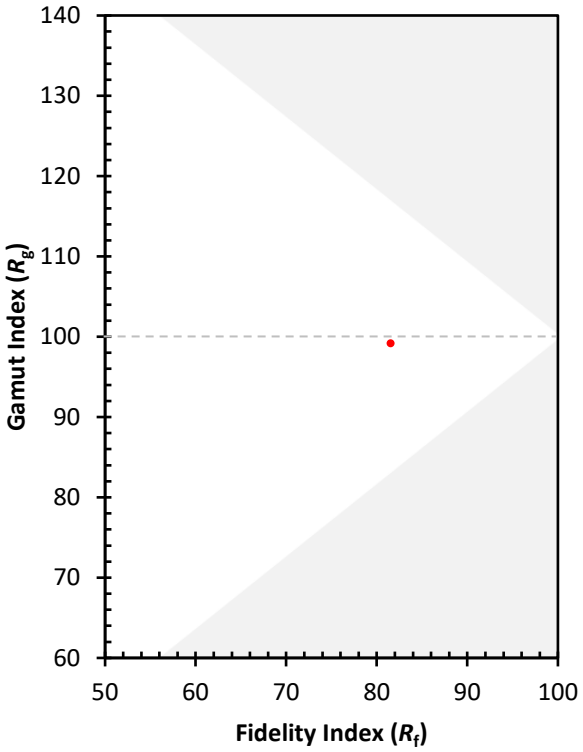
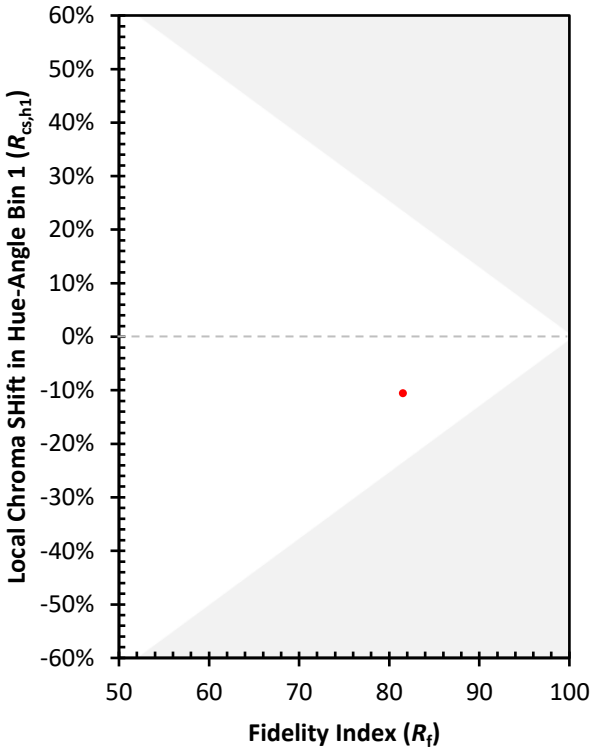
Measure Comparisons





(END OF REPORT)