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: P319849

Luminaire Tested: **GLEON-SA5C-830-U-SL3**

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:	P319849
	TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-22)
Test Lab:	INNOVATION CENTER
Issue Date:	3/3/2020
Manufacturer:	COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line:	McGRAW-EDISON
Catalog Number:	GLEON-SA5C-830-U-SL3
Description:	GALLEON AREA AND ROADWAY LUMINAIRE
	(5) 80 CRI, 3000K, 1050mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III SPILL LIGHT ELIMINATOR OPTICS
Light Source:	-
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	28095 lumens
Efficiency:	N/A
Efficacy:	100.7 lumens/watt
Luminous Opening:	Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification:	Type III - Medium
BUG Rating:	B3 - U0 - G5

Input Watts (W):	279
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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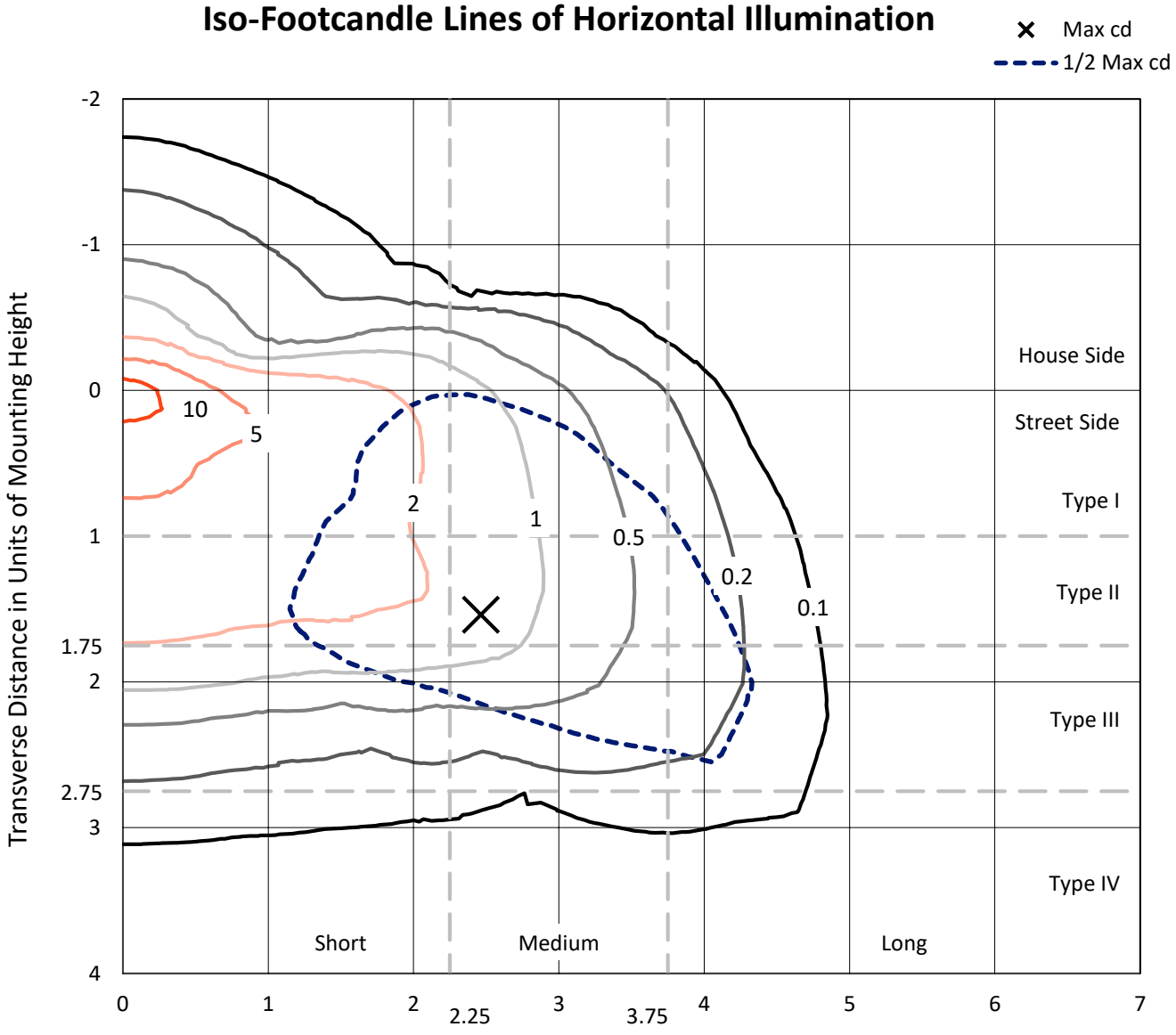
Scaled Data Report

REPORT NUMBER: P319849
CATALOG NUMBER: GLEON-SA5C-830-U-SL3

Iso-Footcandle Lines of Horizontal Illumination



Based on 25 foot mounting height. Maximum calculated value = 12.5 fc
Type III - Medium - N/A

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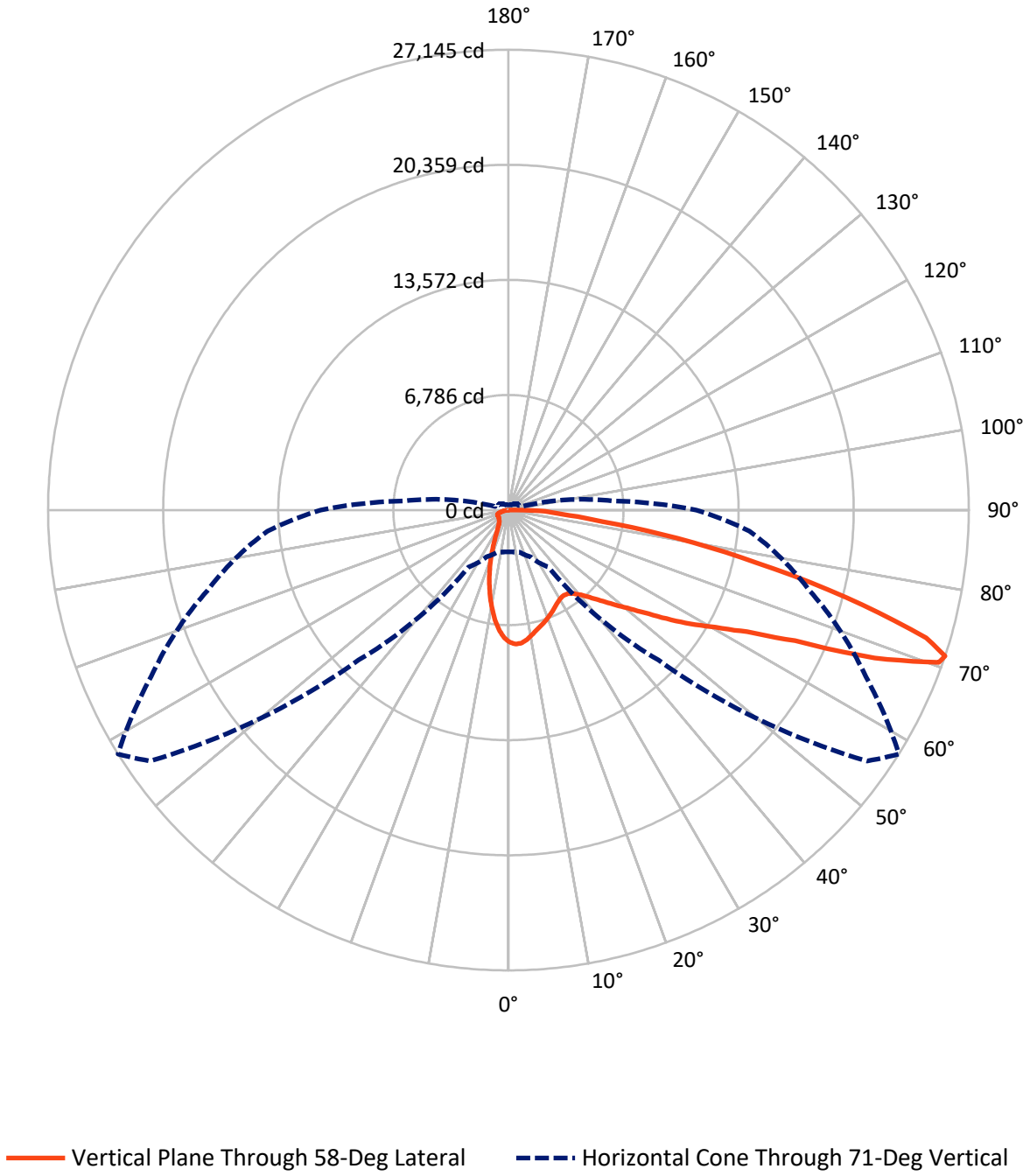
Luminous Intensity Polar Plot



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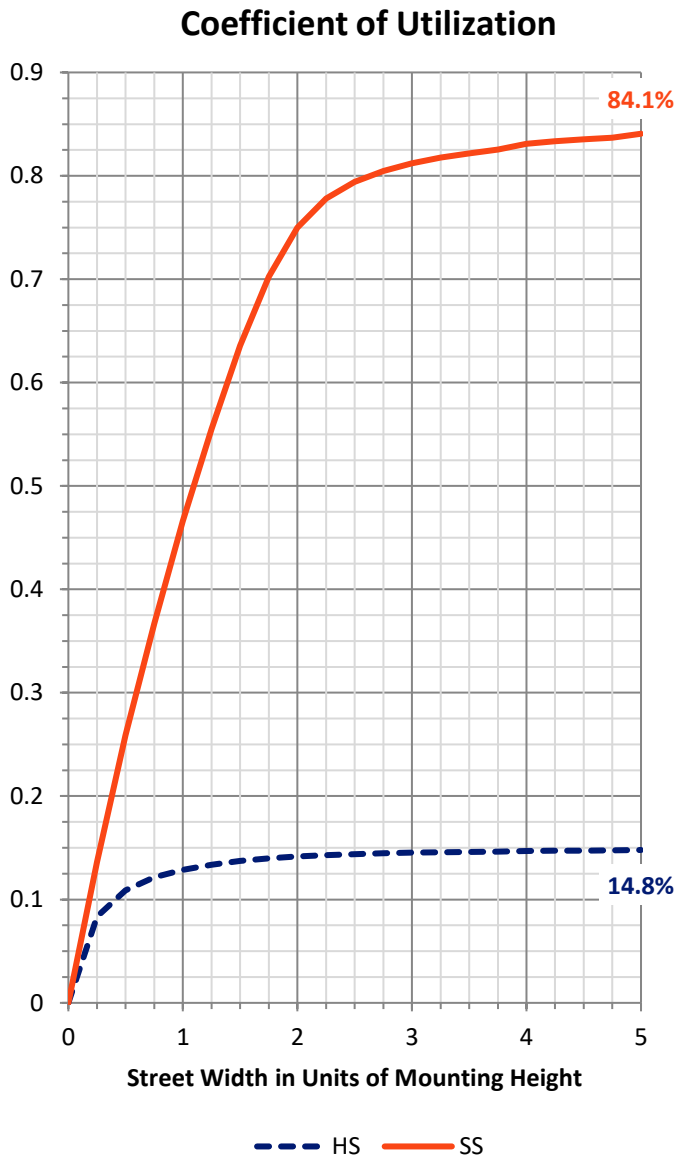
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4200.4	0.0	4200.4
	% Fixture	15.0	0.0	15.0
Street Side	Lumens	23894.6	0.0	23894.6
	% Fixture	85.0	0.0	85.0
Total	Lumens	28095.0	0.0	28095.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	671.5	2.4
10°-20°	1493.3	5.3
20°-30°	1897.8	6.8
30°-40°	2417.4	8.6
40°-50°	3428.0	12.2
50°-60°	5304.9	18.9
60°-70°	7222.0	25.7
70°-80°	4817.9	17.1
80°-90°	842.3	3.0
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°	28095.0	100.0
0°-180°	28095.0	100.0



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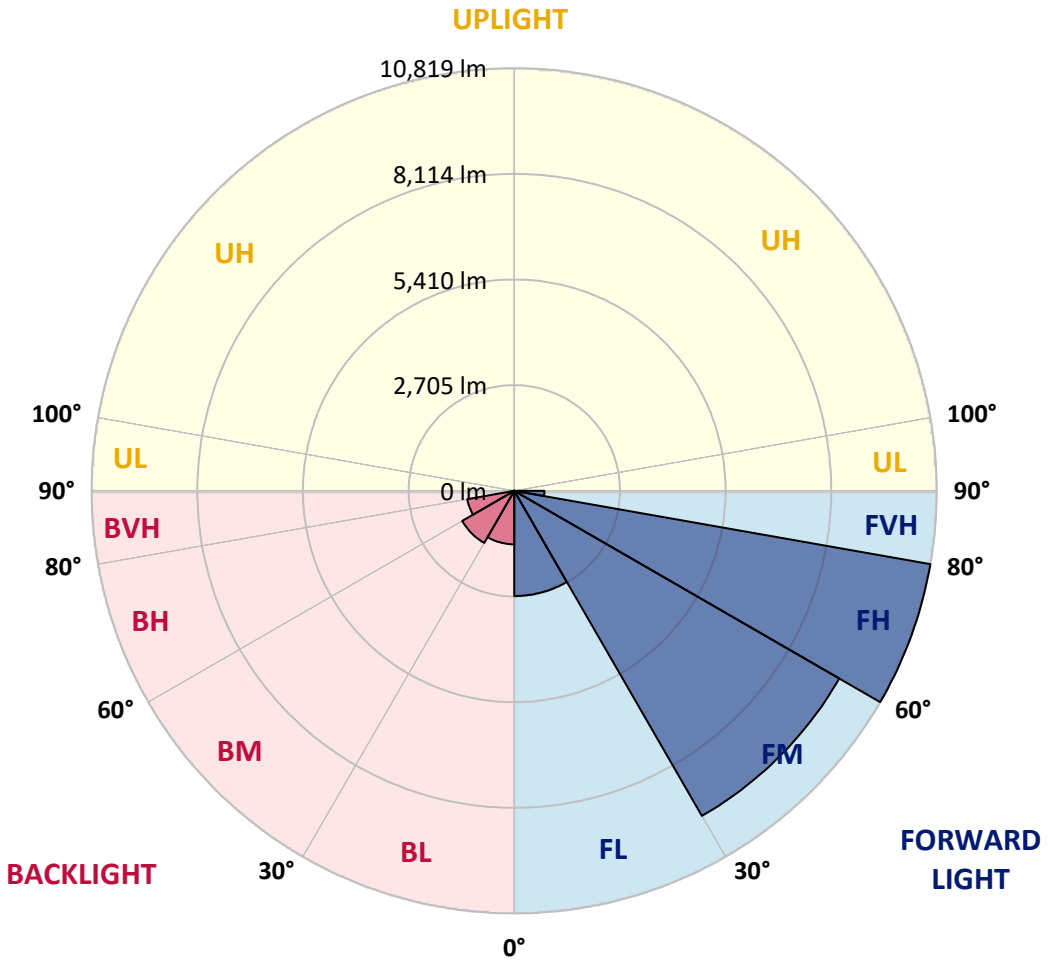
REPORT NUMBER: P319849
CATALOG NUMBER: GLEON-SA5C-830-U-SL3

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	2693.4	9.6			
FM	(30°-60°)	9609.8	34.2			
FH	(60°-80°)	10819.0	38.5			G4/12000
FVH	(80°-90°)	772.4	2.7			G5
BL	(0°-30°)	1369.2	4.9	B3/2500		
BM	(30°-60°)	1540.4	5.5	B2/2500		
BH	(60°-80°)	1220.8	4.3	B3/2500		G3/2500
BVH	(80°-90°)	70.0	0.2			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G5
Type III Medium



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Scaled Data Report

REPORT NUMBER: P319849
CATALOG NUMBER: GLEON-SA5C-830-U-SL3

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	58°	65°	75°	85°
0°	7784.2	7784.2	7784.2	7784.2	7784.2	7784.2	7784.2	7784.2	7784.2	7784.2	7784.2
2.5°	7990.7	7979.9	7983.8	7976.0	7957.4	7938.8	7911.4	7916.3	7878.1	7821.4	7750.9
5°	7840.0	7836.1	7865.4	7882.1	7895.8	7885.0	7877.2	7887.0	7831.2	7752.9	7630.5
7.5°	7523.9	7480.8	7518.0	7573.8	7626.6	7666.8	7719.6	7726.5	7691.2	7609.0	7448.5
10°	7074.7	7033.6	7088.4	7175.5	7281.2	7377.1	7483.7	7503.3	7510.2	7435.8	7241.0
12.5°	6608.8	6577.5	6632.3	6754.7	6929.8	7077.6	7247.9	7277.3	7337.9	7288.0	7049.2
15°	6191.9	6180.2	6246.7	6367.1	6568.7	6794.8	7040.4	7094.2	7197.0	7180.4	6899.5
17.5°	5831.8	5828.8	5879.7	6006.0	6229.1	6514.9	6833.9	6924.9	7077.6	7097.2	6776.2
20°	5563.6	5557.8	5593.0	5686.0	5915.9	6239.9	6610.8	6736.1	6956.3	7024.8	6649.0
22.5°	5419.8	5418.8	5419.8	5463.8	5651.7	5953.1	6393.5	6546.2	6837.8	6967.0	6508.0
25°	5395.3	5392.4	5370.8	5365.9	5472.6	5713.4	6178.2	6346.6	6725.3	6926.9	6374.0
27.5°	5458.9	5462.8	5434.5	5388.5	5410.0	5555.8	5991.3	6171.4	6635.3	6919.1	6281.0
30°	5591.0	5589.1	5564.6	5516.7	5474.6	5497.1	5858.2	6038.3	6574.6	6953.3	6217.4
32.5°	5736.9	5747.6	5742.7	5716.3	5653.7	5563.6	5818.1	5994.2	6557.0	7035.5	6190.0
35°	5912.0	5923.8	5959.0	5979.6	5906.2	5761.3	5904.2	6056.9	6607.9	7190.2	6234.0
37.5°	6078.4	6108.7	6207.6	6294.7	6232.1	6070.6	6133.2	6241.8	6765.4	7433.8	6352.4
40°	6270.2	6296.6	6458.1	6643.1	6633.3	6465.9	6502.2	6574.6	7043.4	7783.2	6566.8
42.5°	6459.1	6511.9	6745.8	7008.1	7083.5	6935.7	6993.4	7031.6	7434.8	8246.1	6940.6
45°	6710.6	6767.4	7092.3	7408.4	7584.5	7501.4	7593.4	7608.0	7927.1	8876.4	7483.7
47.5°	7091.3	7155.9	7534.6	7866.4	8135.5	8144.3	8296.0	8290.2	8541.7	9597.6	8167.8
50°	7684.4	7777.3	8087.6	8397.8	8724.7	8906.7	9109.3	9080.9	9278.6	10365.9	8955.6
52.5°	8461.4	8504.5	8734.5	8963.5	9369.6	9777.7	10068.4	10042.9	10114.4	11155.6	9850.1
55°	9266.9	9299.1	9394.1	9519.3	10065.4	10730.9	11345.5	11305.4	11124.3	11975.8	10733.8
57.5°	9991.1	10056.6	10122.2	10174.1	10766.1	11727.2	12652.0	12654.9	12220.4	12860.5	11646.9
60°	10103.6	10161.3	10594.9	11004.0	11965.0	13056.2	14050.5	14021.1	13354.7	13820.5	12664.7
62.5°	8931.2	9061.3	9785.5	10873.8	13119.8	15487.2	15834.6	15798.4	14711.1	15003.7	13849.9
65°	6400.4	6548.2	7422.1	9057.4	12560.0	18165.7	19054.3	18567.0	16560.7	16459.0	15237.6
67.5°	3692.5	3727.7	4106.4	5419.8	9563.4	18305.7	23966.2	23284.1	19433.1	18109.9	15916.8
70°	2730.4	2729.5	2819.5	3335.2	5175.1	14940.1	26302.2	26913.9	22457.1	18653.1	14956.7
71°	2469.1	2472.1	2572.9	3035.8	4098.6	12505.2	25806.1	27144.9	23253.7	18384.9	14261.9
72.5°	2111.9	2121.7	2261.7	2722.6	3447.8	8623.9	23668.7	25759.1	23631.5	17723.4	13174.6
75°	1602.1	1624.6	1818.3	2294.9	3151.3	4373.6	17371.1	20569.3	20993.1	15638.8	9789.4
77.5°	1143.1	1168.5	1387.7	1929.9	2995.7	3296.1	11633.2	15003.7	15449.0	10022.4	4415.7
80°	722.2	752.6	918.0	1535.5	2814.6	3129.7	7310.5	10085.0	8424.2	3207.0	1123.5
82.5°	423.8	447.2	569.6	1003.1	2298.9	3014.2	4301.2	5590.1	3278.5	968.9	510.9
85°	245.6	256.4	355.3	639.1	1669.6	2844.9	3160.1	3124.8	1423.0	473.7	241.7
87.5°	114.5	127.2	210.4	333.7	926.8	2062.0	2497.5	2157.9	884.7	222.2	113.5
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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Scaled Data Report

REPORT NUMBER: P319849
CATALOG NUMBER: GLEON-SA5C-830-U-SL3

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	7784.2	7784.2	7784.2	7784.2	7784.2	7784.2	7784.2	7784.2	7784.2	7784.2	7784.2
2.5°	7716.7	7700.0	7630.5	7568.9	7504.3	7420.1	7327.2	7315.4	7258.7	7269.4	7249.8
5°	7564.0	7521.9	7354.6	7202.9	7023.8	6863.3	6689.1	6608.8	6493.4	6485.5	6456.2
7.5°	7345.8	7267.5	7008.1	6720.4	6432.7	6158.7	5887.6	5709.5	5527.4	5450.1	5443.3
10°	7100.1	6967.0	6585.3	6159.6	5744.7	5344.4	4956.9	4670.1	4411.8	4289.4	4284.5
12.5°	6867.2	6670.5	6146.9	5567.5	4999.9	4481.2	3949.8	3573.1	3249.1	3140.5	3094.5
15°	6669.5	6392.6	5720.2	4979.4	4290.4	3570.1	2965.3	2569.0	2269.5	2165.8	2146.2
17.5°	6477.7	6121.5	5282.8	4385.3	3552.5	2760.8	2155.0	1860.4	1700.9	1658.8	1657.8
20°	6286.9	5842.5	4825.7	3777.6	2839.1	2065.0	1656.9	1524.7	1470.9	1466.0	1458.2
22.5°	6070.6	5547.0	4345.2	3167.9	2215.7	1623.6	1408.3	1355.4	1348.6	1366.2	1366.2
25°	5868.0	5253.4	3857.8	2570.9	1723.4	1354.5	1257.6	1246.8	1265.4	1296.7	1299.6
27.5°	5679.1	4970.6	3382.2	2040.5	1380.9	1193.0	1152.9	1165.6	1198.8	1235.1	1236.0
30°	5523.5	4703.4	2920.3	1607.9	1166.6	1072.6	1065.8	1091.2	1127.4	1155.8	1162.6
32.5°	5403.1	4475.4	2474.0	1292.8	1026.6	982.6	988.4	1010.0	1032.5	1048.1	1058.9
35°	5347.4	4279.6	2062.0	1090.2	937.5	913.1	920.9	932.7	942.4	954.2	963.0
37.5°	5357.1	4128.0	1694.0	964.0	877.9	865.1	865.1	865.1	865.1	871.0	872.0
40°	5448.2	4040.9	1394.6	883.7	837.7	824.0	813.3	803.5	795.6	799.6	797.6
42.5°	5681.1	4033.0	1175.4	832.8	805.4	782.9	761.4	747.7	737.9	741.8	743.8
45°	6076.4	4130.9	1027.6	796.6	775.1	740.8	713.4	698.8	691.9	704.6	706.6
47.5°	6588.3	4344.2	937.5	770.2	746.7	701.7	672.3	658.6	660.6	679.2	684.1
50°	7247.9	4690.7	894.5	753.6	727.1	668.4	638.1	626.3	632.2	658.6	664.5
52.5°	7972.1	5189.8	899.4	748.7	714.4	644.0	611.7	598.0	607.7	632.2	637.1
55°	8807.9	5789.7	980.6	755.5	695.8	628.3	590.1	566.6	574.5	597.0	600.9
57.5°	9736.6	6476.7	1144.0	753.6	672.3	613.6	567.6	532.4	538.3	552.0	555.9
60°	10703.5	7306.6	1397.5	759.4	661.6	596.0	537.3	493.2	491.3	503.0	505.0
62.5°	11864.2	8266.7	1687.2	763.3	668.4	573.5	497.2	454.1	448.2	451.2	453.1
65°	13060.1	8961.5	1578.6	747.7	689.9	554.9	461.9	415.9	405.2	403.2	404.2
67.5°	13097.3	8216.8	1106.9	716.4	698.8	545.1	435.5	383.6	366.0	359.2	358.2
70°	11745.8	6675.4	862.2	683.1	663.5	529.5	411.0	357.2	330.8	320.0	319.0
71°	*11086.2*	*6145.0*	*817.2*	*666.5*	*637.1*	*513.8*	*400.3*	*345.5*	*318.1*	*306.3*	*304.4*
72.5°	10051.7	5508.8	762.4	640.0	586.2	473.7	379.7	328.8	300.4	286.7	283.8
75°	7213.6	3602.4	654.7	570.6	485.4	377.8	332.7	295.6	271.1	254.4	252.5
77.5°	2779.4	1433.7	495.2	474.6	371.9	295.6	274.0	255.4	237.8	221.2	220.2
80°	859.3	641.0	361.1	357.2	269.1	220.2	213.3	208.5	201.6	184.0	180.1
82.5°	459.0	368.0	248.6	231.0	176.2	146.8	154.6	156.6	157.6	139.0	137.0
85°	219.2	194.8	139.9	131.1	102.8	82.2	94.9	102.8	103.7	85.1	79.3
87.5°	104.7	101.8	65.6	49.9	38.2	27.4	33.3	41.1	45.0	32.3	28.4
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

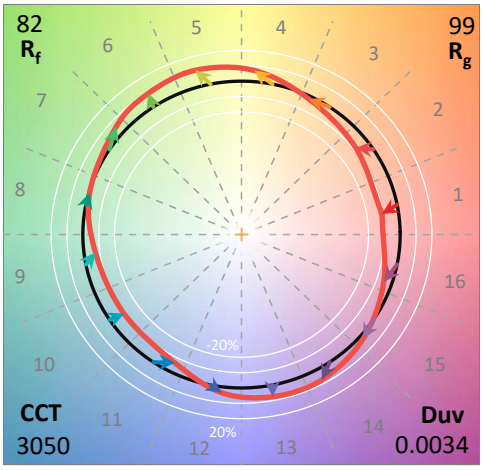
Test Information

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

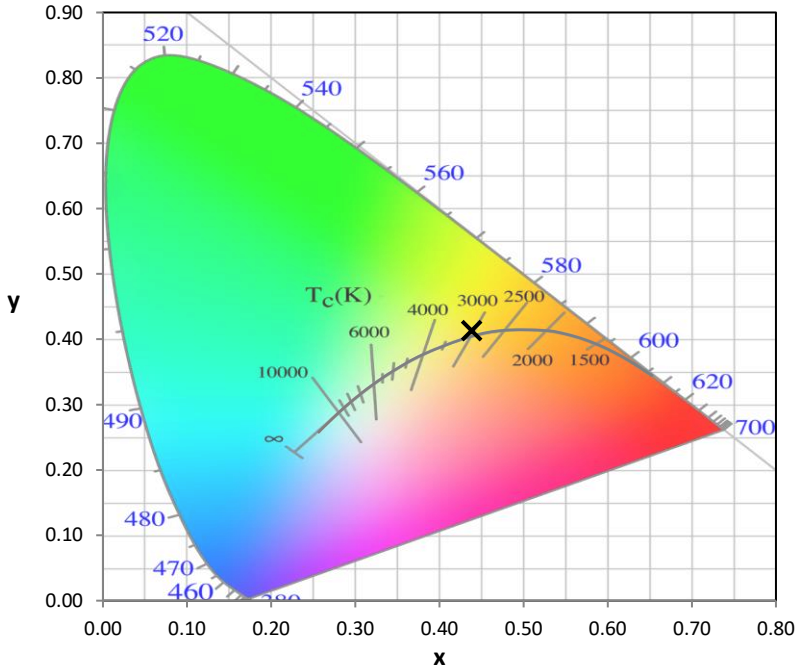
Stabilization Time:	20M
Operation Time:	1H 20M
Sphere Temperature (°C):	24.2

REPORT NUMBER: SP1-2408-195-9

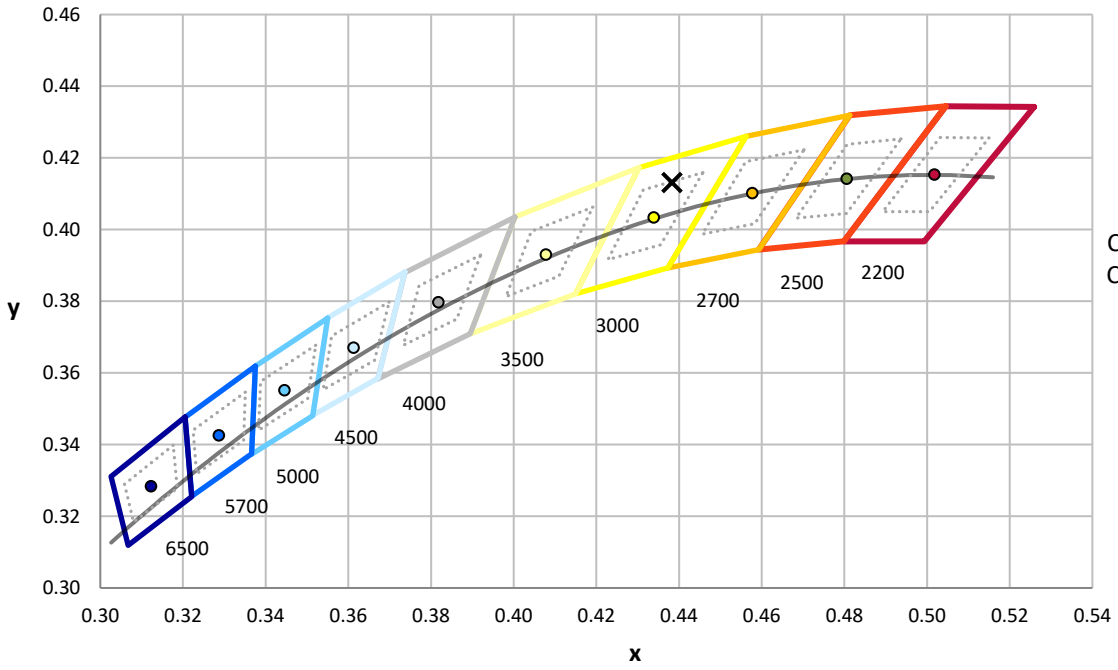
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

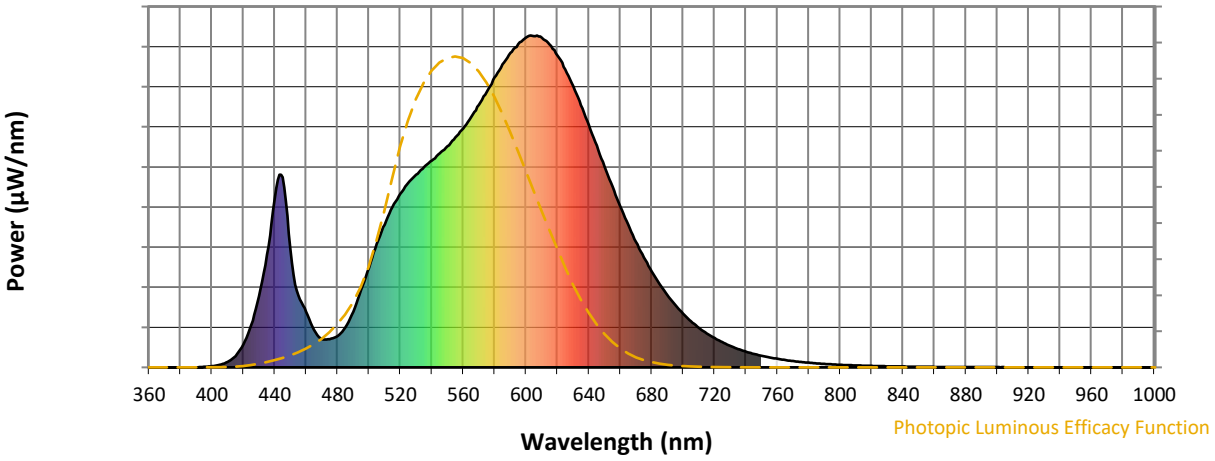


CCT = 3050K
CIE x = 0.4383
CIE y = 0.4131
Duv = 0.0034

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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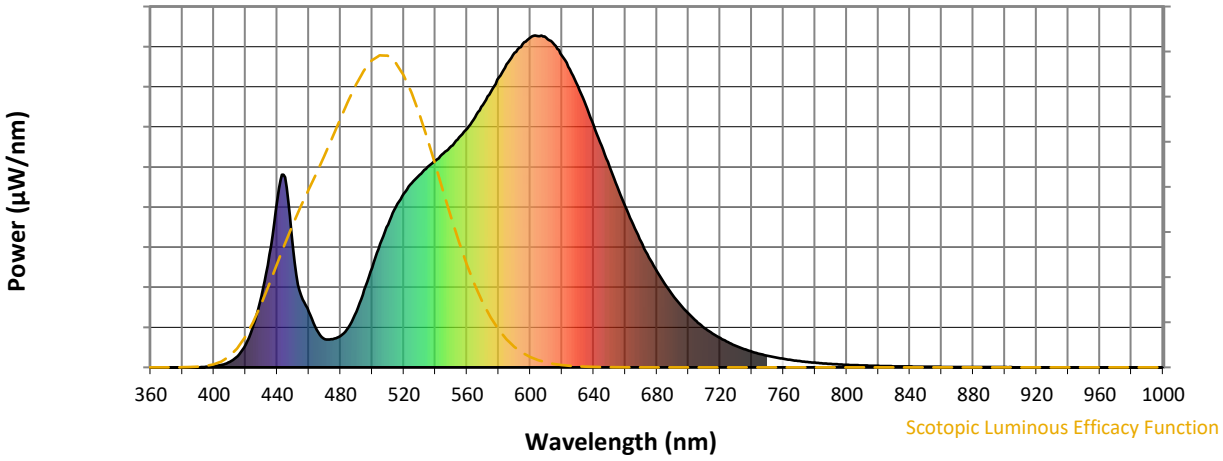
Scotopic Flux vs. Wavelength



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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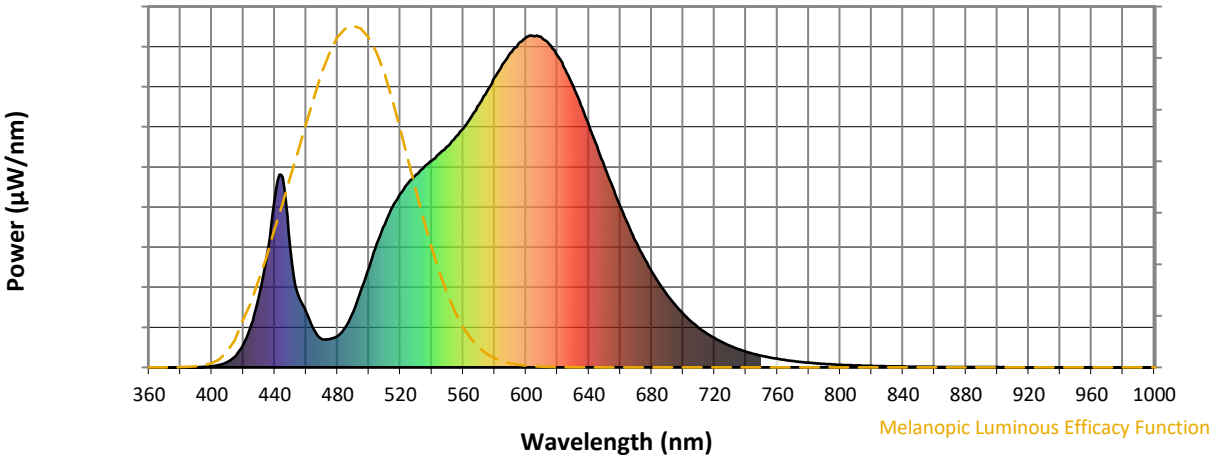
Melanopic Flux vs. Wavelength



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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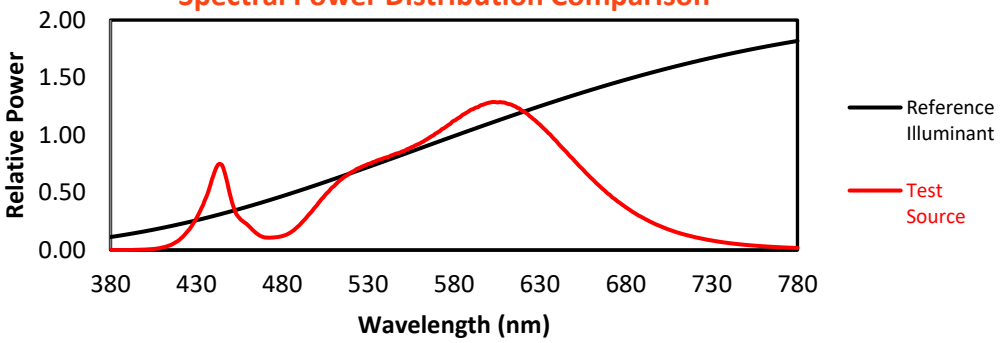
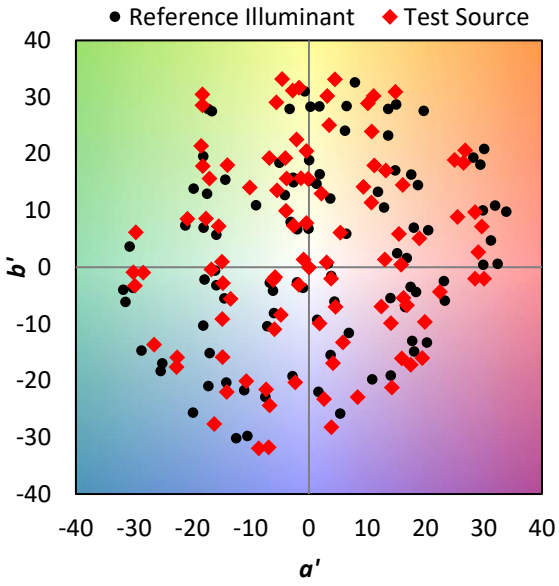
Summary

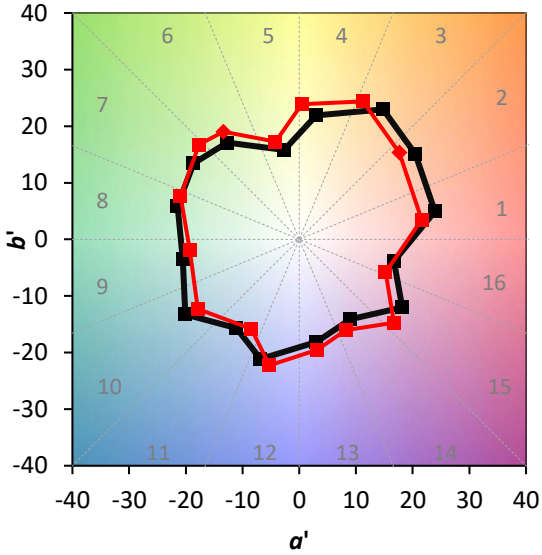
R_f = 81.5
R_g = 99.2
CIE R_a = 81.0
R_9 = 7.1

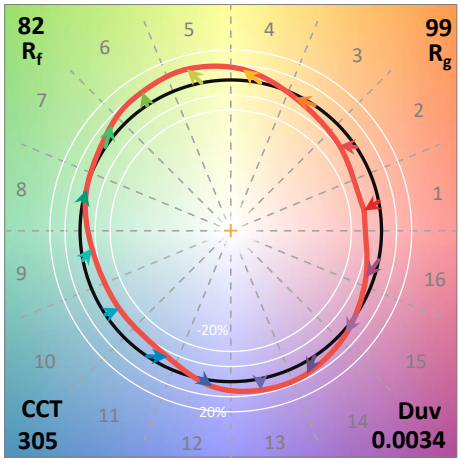
Spectral Power Distribution Comparison

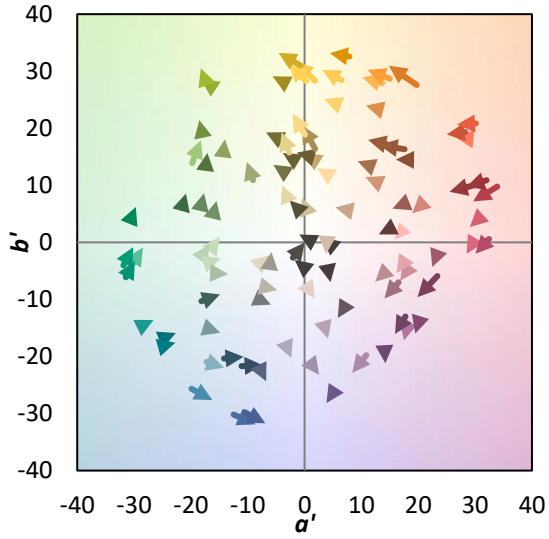


Color Vector Graphics









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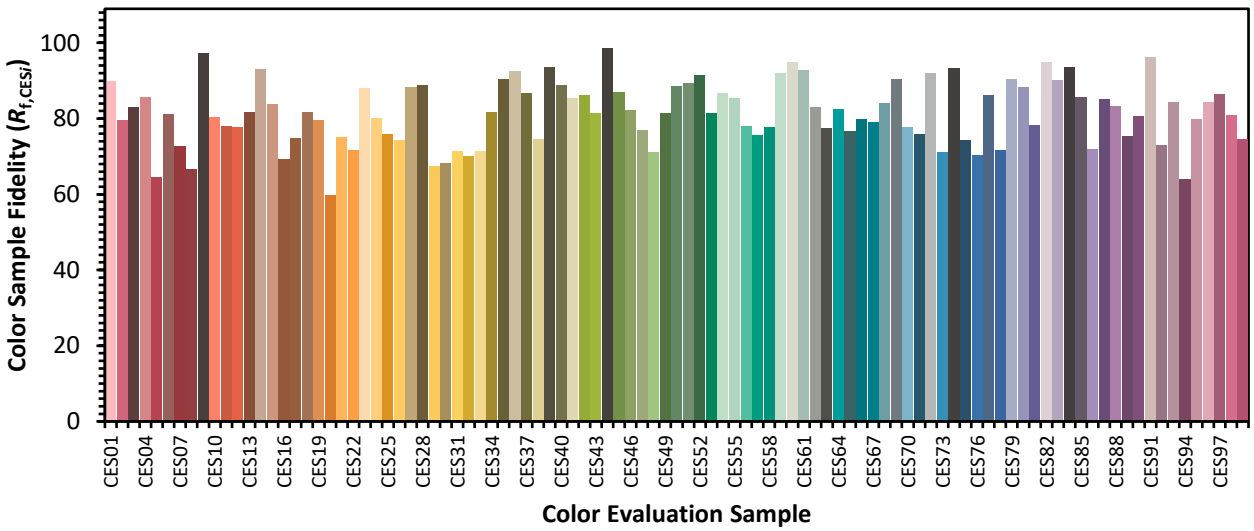
Individual Sample Fidelity Index ($R_{f,i}$)

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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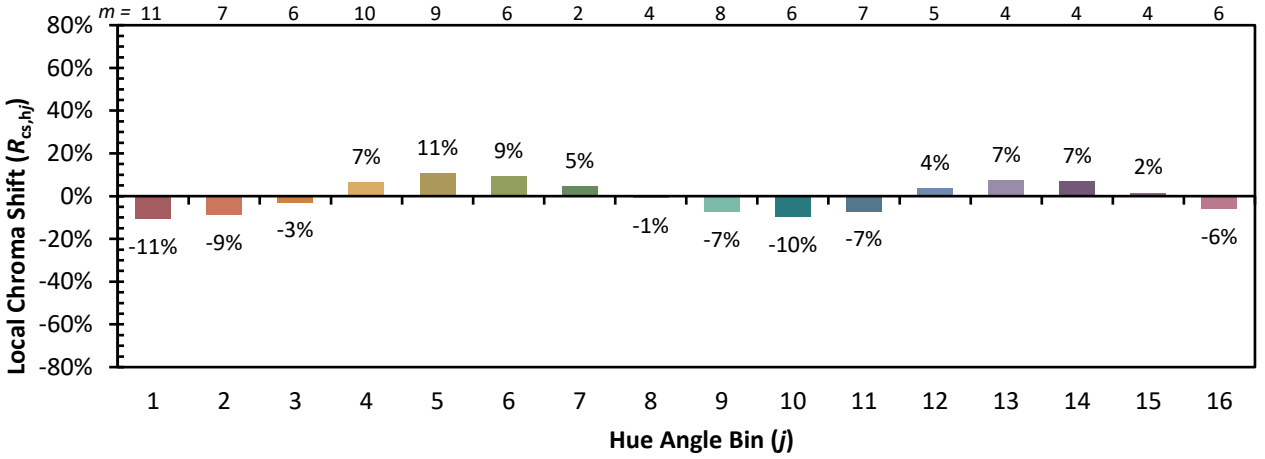
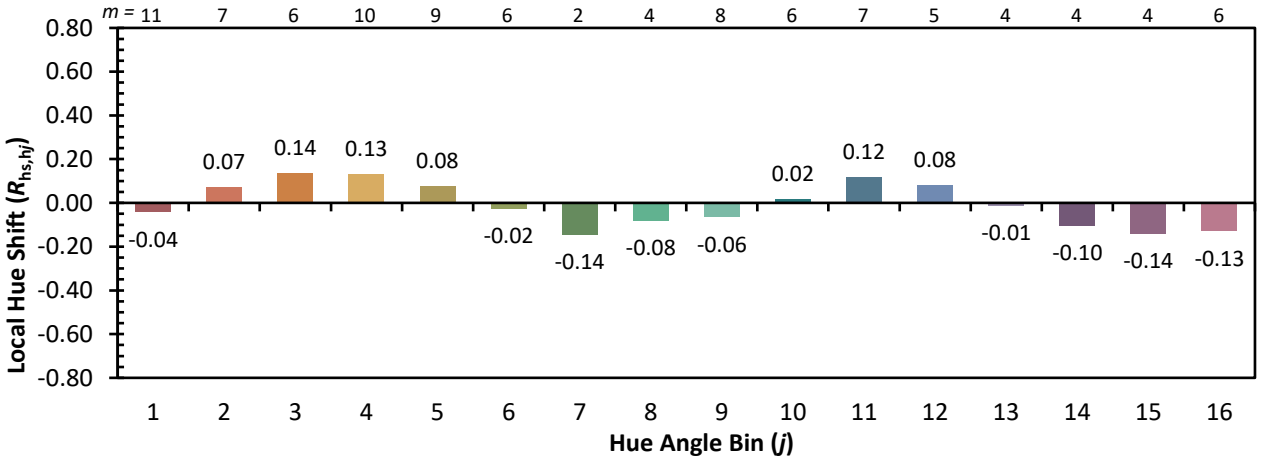
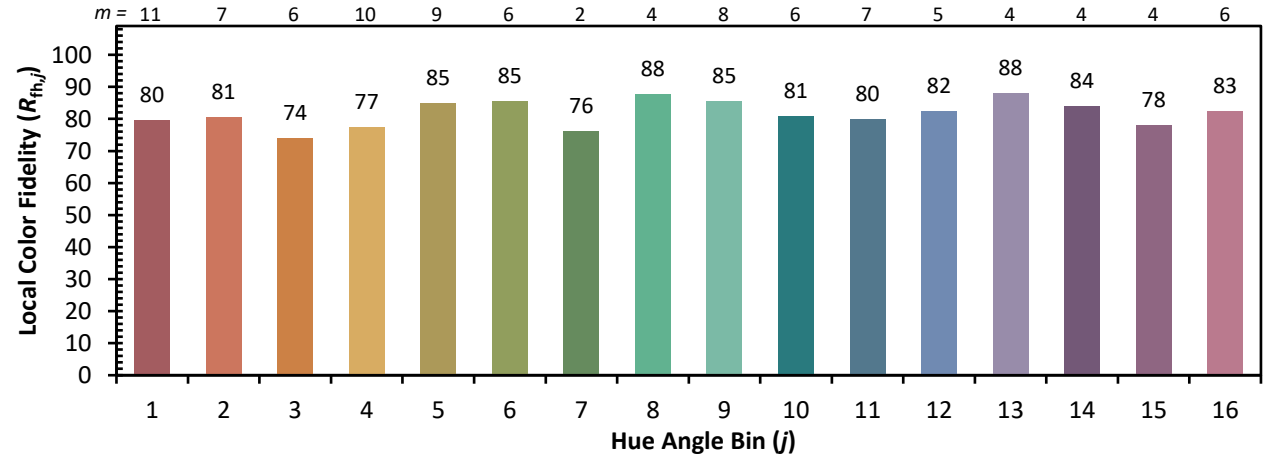
Color Rendition by Hue-Angle Bin







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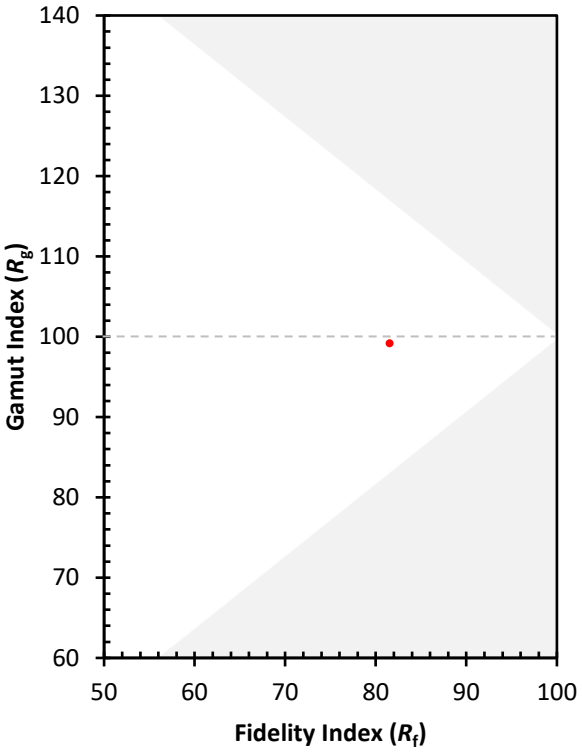
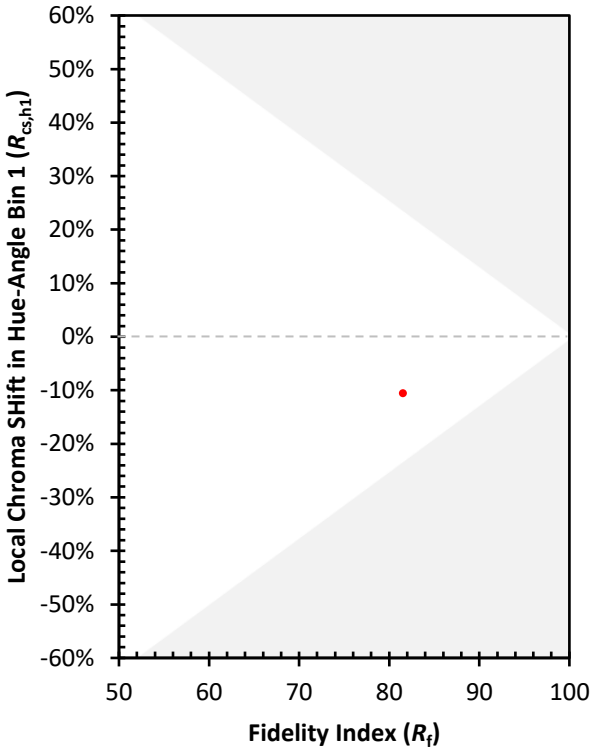
Measure Comparisons





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