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: P319529

Luminaire Tested: **GLEON-SA5C-830-U-SL2**

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:	P319529
	TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-20)
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-SL2
Description:	GALLEON AREA AND ROADWAY LUMINAIRE
	(5) 80 CRI, 3000K, 1050mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II SPILL LIGHT ELIMINATOR OPTICS
Light Source:	-
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	27519 lumens
Efficiency:	N/A
Efficacy:	98.6 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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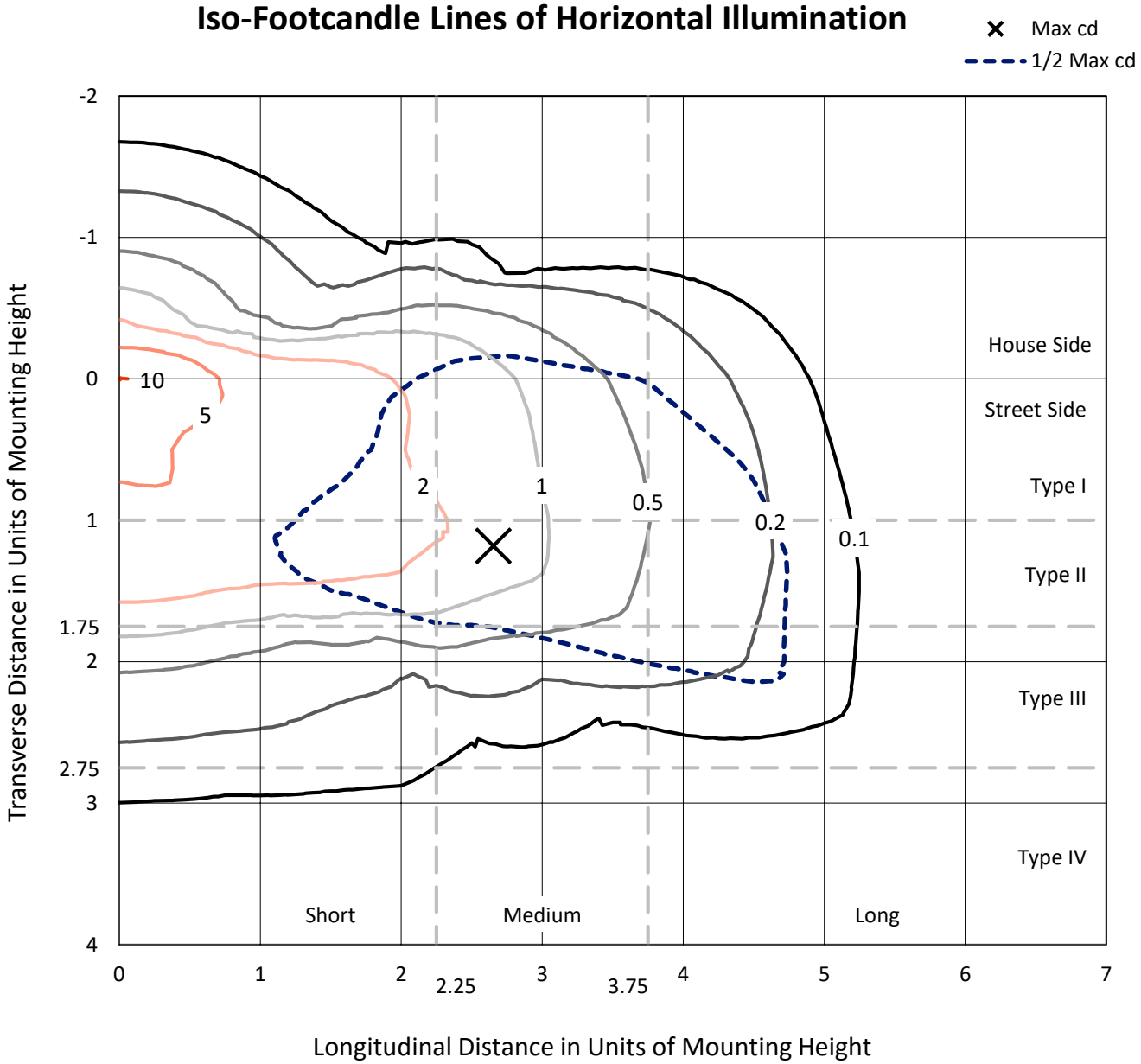
REPORT NUMBER: P319529
CATALOG NUMBER: GLEON-SA5C-830-U-SL2

Iso-Footcandle Lines of Horizontal Illumination



Based on 25 foot mounting height. Maximum calculated value = 10.1 fc
Type III - Medium - N/A

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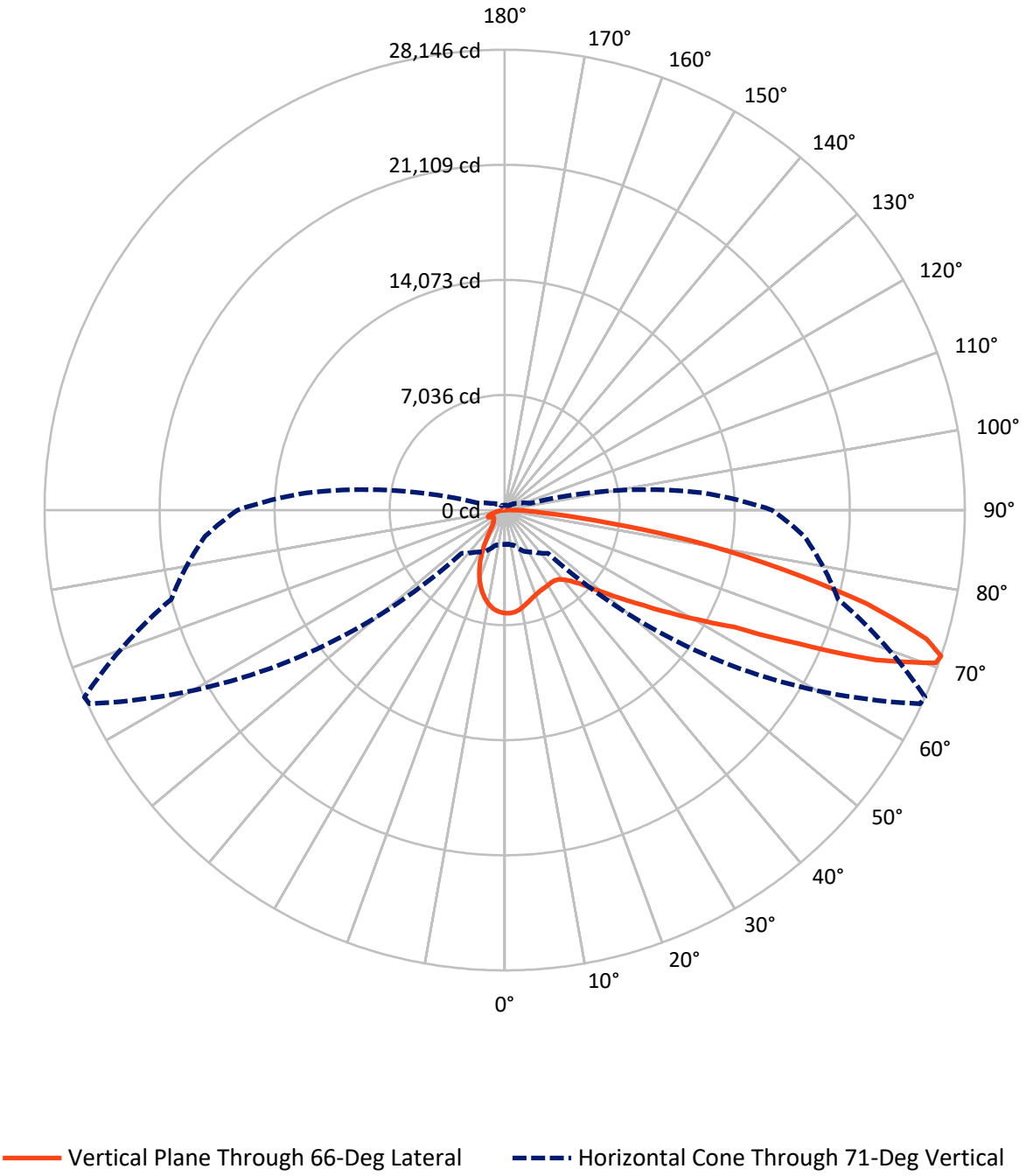
Luminous Intensity Polar Plot



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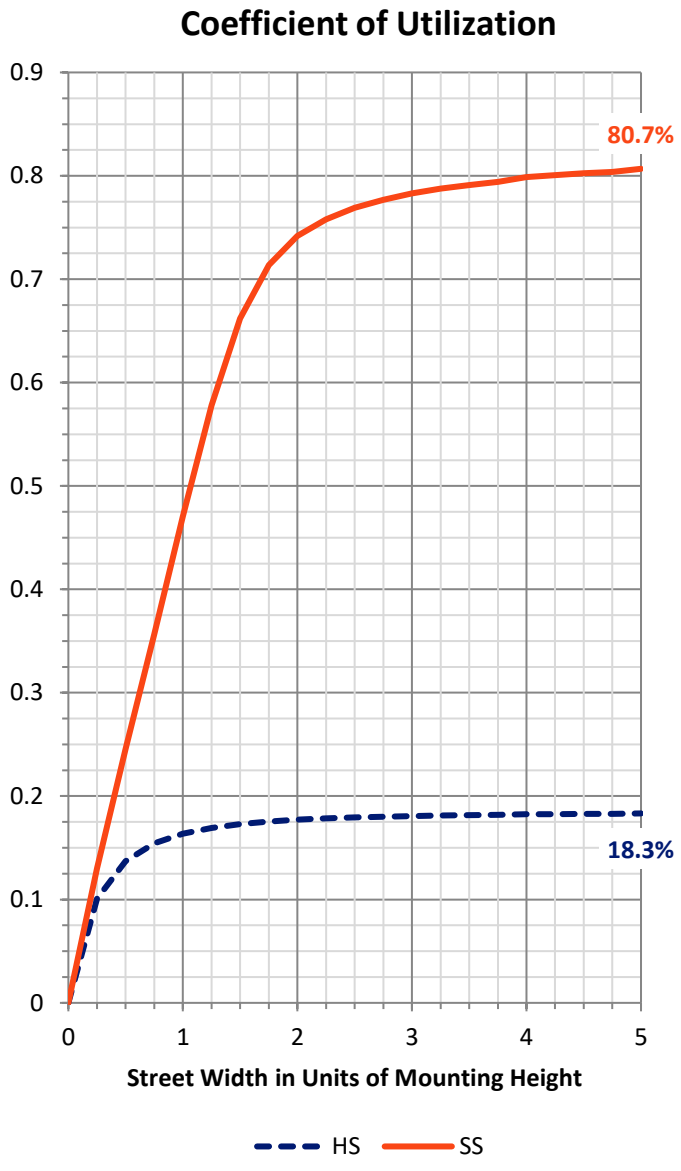
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	5100.0	0.0	5100.0
	% Fixture	18.5	0.0	18.5
Street Side	Lumens	22419.0	0.0	22419.0
	% Fixture	81.5	0.0	81.5
Total	Lumens	27519.0	0.0	27519.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	554.9	2.0
10°-20°	1330.9	4.8
20°-30°	1787.7	6.5
30°-40°	2351.8	8.5
40°-50°	3421.2	12.4
50°-60°	5344.3	19.4
60°-70°	6694.5	24.3
70°-80°	5106.4	18.6
80°-90°	927.3	3.4
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°	27519.0	100.0
0°-180°	27519.0	100.0



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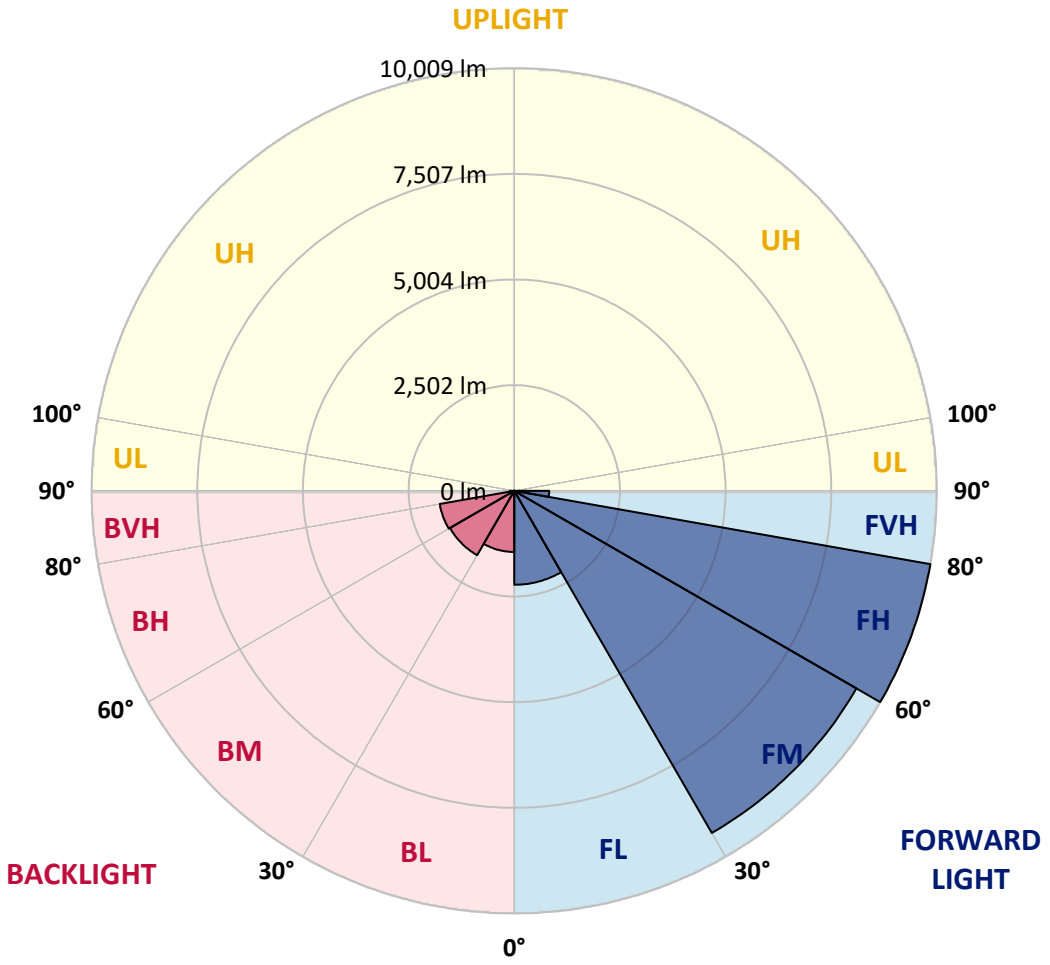
CATALOG NUMBER: GLEON-SA5C-830-U-SL2

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	2225.3	8.1			
FM	(30°-60°)	9357.8	34.0			
FH	(60°-80°)	10008.9	36.4			G4/12000
FVH	(80°-90°)	826.9	3.0			G5
BL	(0°-30°)	1448.3	5.3	B3/2500		
BM	(30°-60°)	1759.3	6.4	B2/2500		
BH	(60°-80°)	1792.0	6.5	B3/2500		G3/2500
BVH	(80°-90°)	100.4	0.4			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 III Medium



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REPORT NUMBER: P319529
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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	66°	75°	85°
0°	6304.1	6304.1	6304.1	6304.1	6304.1	6304.1	6304.1	6304.1	*6304.1*	6304.1	6304.1
2.5°	6187.2	6177.7	6206.2	6235.7	6247.1	6266.1	6294.6	6310.7	*6309.8*	6312.6	6303.1
5°	5776.8	5764.4	5821.4	5868.0	5957.3	6058.0	6180.6	6268.0	*6269.9*	6319.3	6332.6
7.5°	5388.2	5379.6	5445.2	5520.2	5623.8	5777.7	5976.3	6164.4	*6175.8*	6309.8	6356.3
10°	5076.5	5074.6	5138.3	5220.0	5340.6	5512.6	5740.6	6016.2	*6033.3*	6264.2	6360.1
12.5°	4833.3	4837.1	4892.2	4985.3	5112.6	5292.2	5539.2	5849.9	*5877.5*	6192.0	6338.3
15°	4653.7	4668.9	4713.6	4807.6	4933.0	5115.5	5369.1	5696.0	*5737.8*	6111.2	6325.9
17.5°	4551.1	4568.2	4599.5	4677.5	4795.3	4971.0	5211.4	5569.6	*5607.6*	6049.4	6326.9
20°	4520.7	4534.9	4553.0	4600.5	4700.3	4859.9	5087.0	5455.6	*5496.5*	6000.0	6336.4
22.5°	4580.5	4591.0	4592.9	4589.1	4649.9	4780.1	4996.7	5372.0	*5415.7*	5967.7	6343.0
25°	4708.8	4723.1	4712.6	4677.5	4657.5	4737.3	4950.1	5316.9	*5360.6*	5944.0	6329.7
27.5°	4901.7	4903.6	4895.0	4849.4	4755.4	4742.1	4935.9	5284.6	*5326.4*	5916.4	6302.2
30°	5163.9	5176.3	5161.1	5099.3	4945.4	4818.1	4953.0	5253.2	*5291.2*	5881.3	6257.5
32.5°	5470.8	5501.2	5500.3	5435.7	5215.2	4988.1	5023.3	5234.2	*5263.7*	5844.2	6203.4
35°	5789.1	5830.9	5908.8	5881.3	5608.6	5257.0	5158.2	5264.6	*5284.6*	5839.5	6165.4
37.5°	6119.7	6161.6	6322.1	6396.2	6077.0	5641.8	5371.0	5372.0	*5381.5*	5897.4	6162.5
40°	6465.6	6510.2	6751.6	6944.5	6684.1	6129.2	5714.0	5596.2	*5585.8*	6039.9	6218.6
42.5°	6950.2	6990.1	7279.8	7525.9	7357.8	6753.5	6188.2	5942.1	*5920.2*	6319.3	6398.1
45°	7563.0	7597.2	7905.0	8168.2	8081.8	7466.1	6783.9	6418.1	*6414.3*	6784.8	6762.0
47.5°	8291.7	8318.3	8594.8	8849.5	8880.8	8286.0	7532.6	7152.5	*7090.8*	7423.3	7325.5
50°	9050.9	9080.3	9268.5	9542.1	9774.9	9383.4	8496.0	8052.3	*7969.6*	8266.1	8123.6
52.5°	9553.5	9592.4	9755.9	10102.7	10780.1	10586.3	9635.2	9143.0	*9017.6*	9287.5	9178.2
55°	9329.3	9416.7	9666.6	10222.4	11583.9	12423.8	11040.4	10415.3	*10273.7*	10497.9	10433.3
57.5°	8309.8	8429.5	8770.6	9628.6	11697.0	14042.8	13164.9	11913.6	*11813.8*	11749.2	11778.7
60°	6446.6	6561.6	6984.4	8102.7	10909.3	15224.8	16362.1	13760.6	*13616.2*	13005.3	13031.9
62.5°	4562.5	4504.5	4794.3	5612.4	8864.7	15363.5	20000.1	16231.0	*15755.9*	14331.7	14214.8
65°	3479.4	3466.1	3596.2	3856.6	5369.1	13703.6	22167.3	20383.0	*19641.0*	15891.8	15616.2
67.5°	2858.9	2835.2	2963.4	3342.5	3457.5	8840.9	22214.8	25200.1	*24471.4*	17833.8	17237.1
70°	2350.6	2324.0	2443.7	2933.0	3195.3	4483.6	18696.5	28021.0	*27982.1*	20292.7	18460.9
71°	*2107.4*	*2088.4*	*2231.8*	*2775.3*	*3139.2*	*3736.8*	*16142.6*	*28028.6*	*28145.5*	*21125.0*	*18388.7*
72.5°	1715.9	1722.6	1874.6	2470.3	3097.4	3299.8	11864.2	26722.2	*26969.3*	21918.4	17732.2
75°	1140.1	1145.8	1345.4	1900.2	3003.3	3228.5	6520.7	22422.9	*22877.1*	21443.3	16180.6
77.5°	765.8	763.9	899.8	1303.6	2616.6	3228.5	3823.3	16770.6	*17269.4*	17062.3	12474.2
80°	527.3	523.5	619.5	899.8	1981.0	3267.5	2955.8	11753.0	*11904.1*	9214.3	5069.9
82.5°	323.0	325.9	404.8	635.6	1348.2	2940.6	2790.5	6408.6	*6244.2*	2584.3	1266.5
85°	185.3	184.3	258.4	430.4	865.6	2481.7	2721.2	2758.2	*2530.2*	778.2	458.0
87.5°	66.5	71.3	138.7	238.5	496.0	1728.3	2308.8	1434.7	*1293.1*	351.5	207.1
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: P319529
CATALOG NUMBER: GLEON-SA5C-830-U-SL2

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	6304.1	6304.1	6304.1	6304.1	6304.1	6304.1	6304.1	6304.1	6304.1	6304.1	6304.1
2.5°	6296.5	6302.2	6295.5	6257.5	6225.2	6173.0	6143.5	6102.6	6090.3	6084.6	6099.8
5°	6320.2	6322.1	6266.1	6166.3	6054.2	5922.1	5827.1	5710.2	5655.1	5631.4	5646.6
7.5°	6342.1	6333.5	6211.0	6020.0	5812.9	5582.9	5378.6	5191.5	5082.2	5037.6	5041.4
10°	6344.9	6308.8	6112.1	5816.7	5495.5	5158.2	4844.7	4555.8	4373.4	4254.7	4290.8
12.5°	6315.5	6254.7	5966.8	5553.5	5107.9	4648.0	4224.2	3791.0	3530.7	3410.0	3413.8
15°	6292.7	6182.5	5788.2	5243.7	4645.2	4036.1	3457.5	2948.2	2670.8	2547.3	2489.3
17.5°	6273.7	6104.5	5581.0	4895.0	4098.8	3326.4	2630.9	2176.7	2024.7	1988.6	1973.4
20°	6247.1	6021.9	5350.1	4491.2	3476.5	2532.1	1921.1	1696.9	1697.9	1739.7	1745.4
22.5°	6210.0	5927.8	5104.1	4038.0	2808.6	1844.2	1505.9	1441.3	1506.9	1586.7	1601.0
25°	6154.9	5816.7	4830.4	3537.3	2141.6	1417.6	1286.5	1283.6	1363.4	1447.0	1459.4
27.5°	6077.0	5671.3	4526.4	2999.5	1578.2	1204.8	1152.5	1172.5	1231.4	1292.2	1296.9
30°	5972.5	5502.2	4191.0	2432.3	1237.1	1072.7	1067.0	1085.0	1121.1	1163.9	1167.7
32.5°	5857.5	5330.2	3832.8	1883.1	1059.4	1001.4	1007.1	1015.7	1032.8	1049.9	1053.7
35°	5753.0	5154.4	3466.1	1430.9	974.8	954.9	951.1	949.2	951.1	945.4	946.3
37.5°	5685.5	5009.1	3084.1	1139.2	926.4	914.0	902.6	888.4	872.2	862.7	864.6
40°	5660.8	4900.7	2697.4	984.3	886.5	877.9	856.1	825.7	806.7	801.0	801.0
42.5°	5727.3	4844.7	2324.0	906.4	853.2	839.0	802.9	767.7	753.4	752.5	751.5
45°	5930.7	4867.5	1968.7	863.7	822.8	795.3	747.7	718.3	708.8	710.7	709.7
47.5°	6295.5	5011.0	1664.6	835.2	792.4	756.3	703.1	679.3	667.9	667.9	668.9
50°	6915.9	5346.3	1422.3	811.4	766.7	720.2	670.8	641.3	626.1	625.2	625.2
52.5°	7819.5	5946.8	1271.3	791.5	738.2	687.9	638.5	601.4	583.4	579.6	577.7
55°	8952.1	6807.6	1229.5	778.2	700.2	652.7	599.5	562.5	542.5	534.0	533.0
57.5°	10218.6	7854.7	1312.1	762.0	661.3	610.9	556.8	521.6	500.7	490.3	489.3
60°	11500.3	8997.7	1649.4	739.2	629.0	565.3	513.1	480.8	459.9	448.5	446.6
62.5°	12783.9	10202.4	2338.3	737.3	606.2	521.6	468.4	440.9	420.9	408.6	405.7
65°	14231.9	11521.2	3121.2	787.7	598.6	481.7	422.8	401.0	383.8	372.4	371.5
67.5°	15894.6	13010.0	3046.1	891.2	624.2	445.6	380.0	362.9	350.6	341.1	340.1
70°	16674.7	12777.3	1893.6	964.4	660.3	410.5	339.2	326.8	317.3	310.7	307.8
71°	*16347.8*	*12132.1*	*1587.7*	*955.8*	*656.5*	*395.3*	*323.0*	*313.5*	*304.0*	*298.3*	*295.5*
72.5°	15456.6	11064.2	1324.5	889.3	613.8	367.7	302.1	292.6	284.1	277.4	275.5
75°	13869.9	9881.3	1060.3	710.7	489.3	310.7	265.1	254.6	248.0	244.2	240.4
77.5°	10195.8	7051.8	820.0	561.5	360.1	253.7	226.1	218.5	211.9	206.2	203.3
80°	3906.0	2731.6	552.0	419.0	264.1	200.5	182.4	178.6	172.0	168.2	168.2
82.5°	1051.8	816.2	294.5	253.7	176.7	146.3	139.7	137.8	132.1	124.5	125.4
85°	425.7	360.1	165.3	139.7	108.3	86.5	94.1	95.0	88.4	78.9	79.8
87.5°	187.2	153.0	92.2	61.8	47.5	33.3	42.8	42.8	39.0	32.3	29.5
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

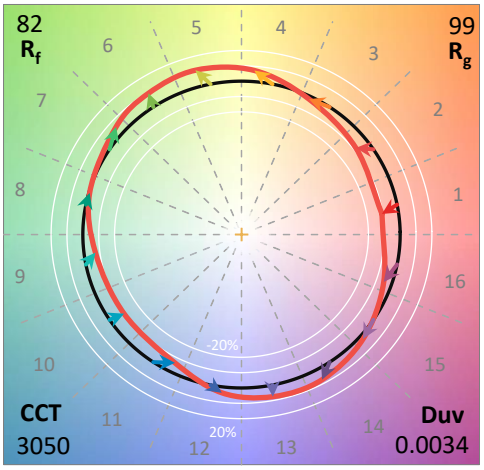
Test Information

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

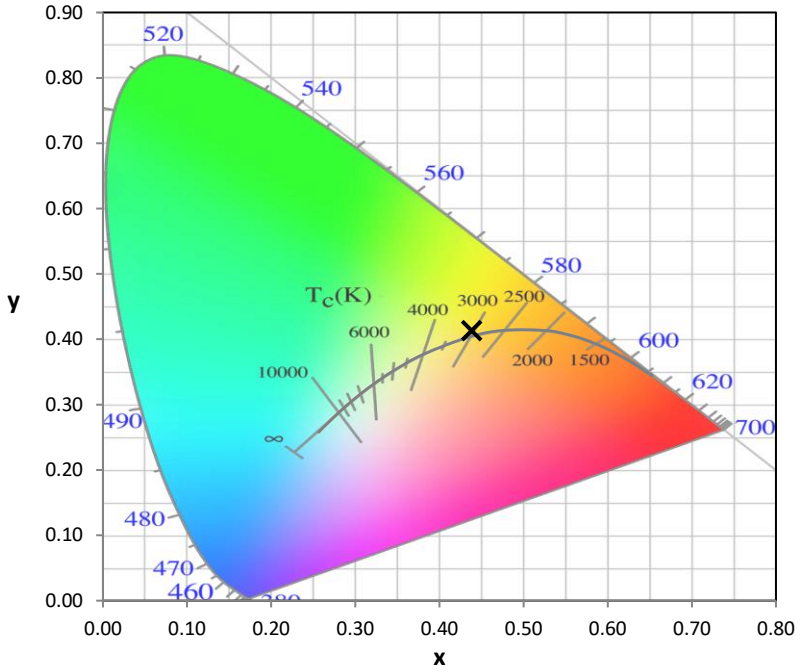
Stabilization Time:	20M
Operation Time:	1H 20M
Sphere Temperature (°C):	24.2

REPORT NUMBER: SP1-2408-195-9

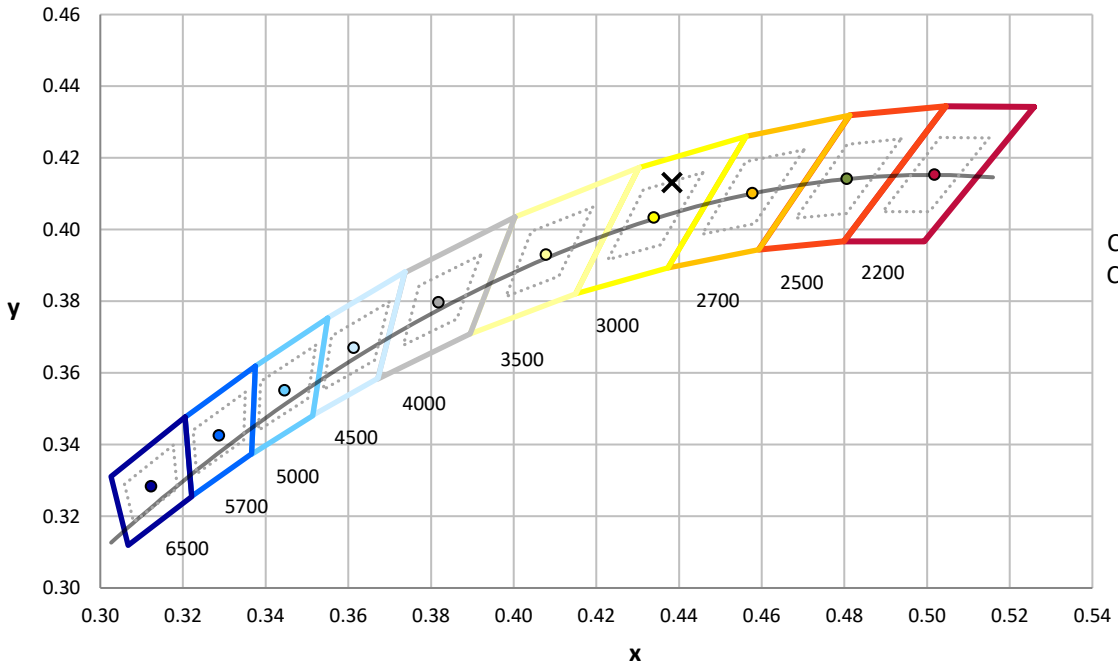
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

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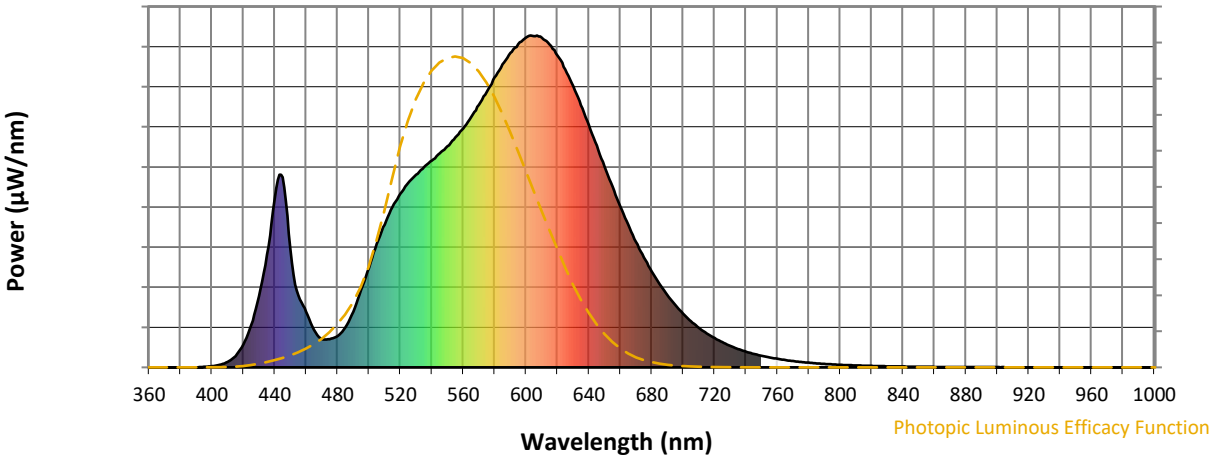
Photopic Flux vs. Wavelength



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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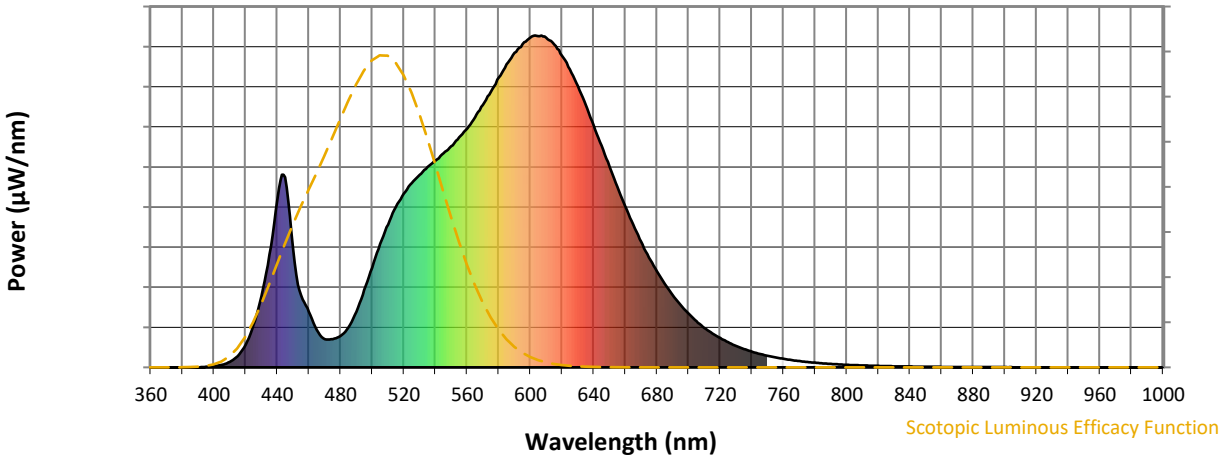
Scotopic Flux vs. Wavelength



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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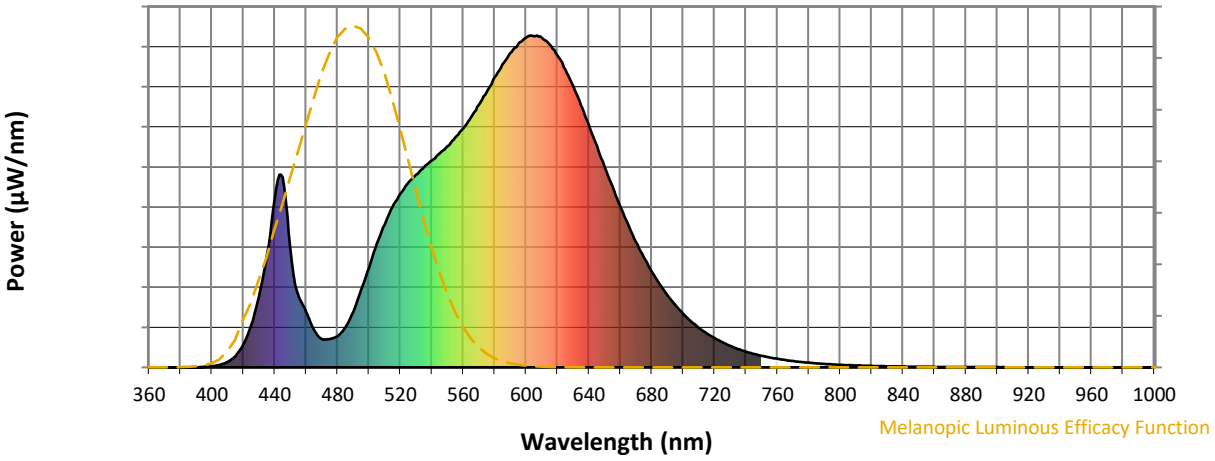
Melanopic Flux vs. Wavelength



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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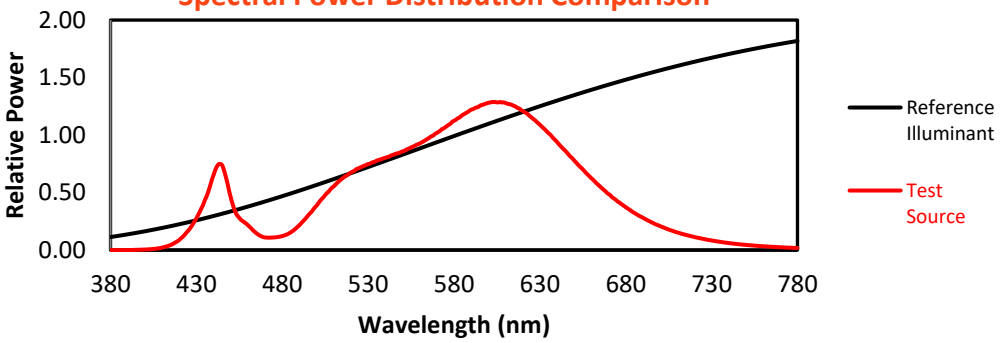
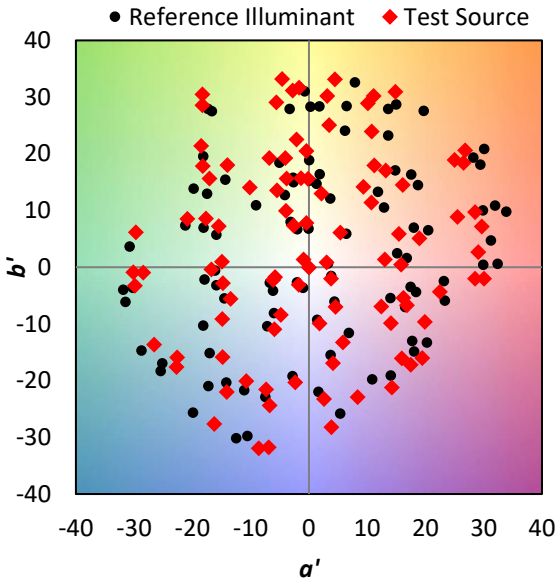
Summary

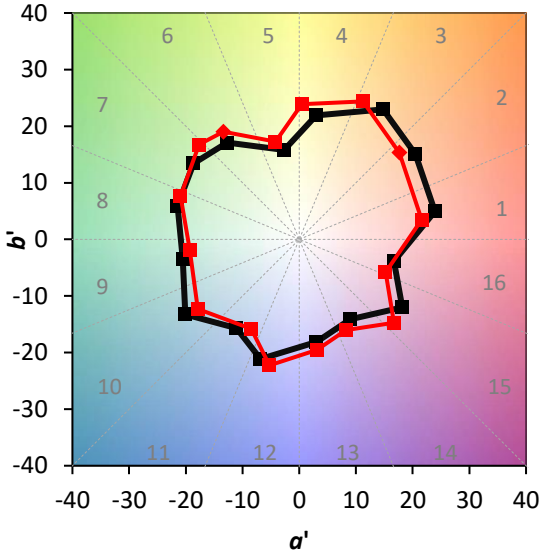
R_f = 81.5
R_g = 99.2
CIE R_a = 81.0
R_9 = 7.1

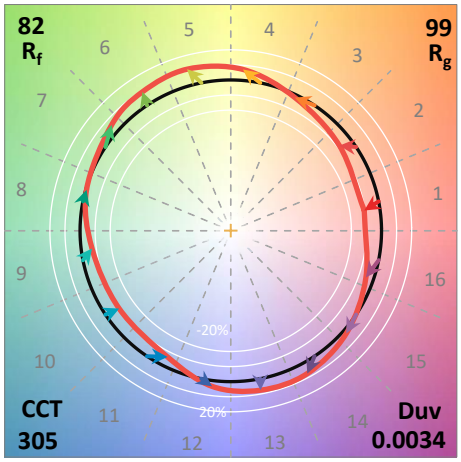
Spectral Power Distribution Comparison

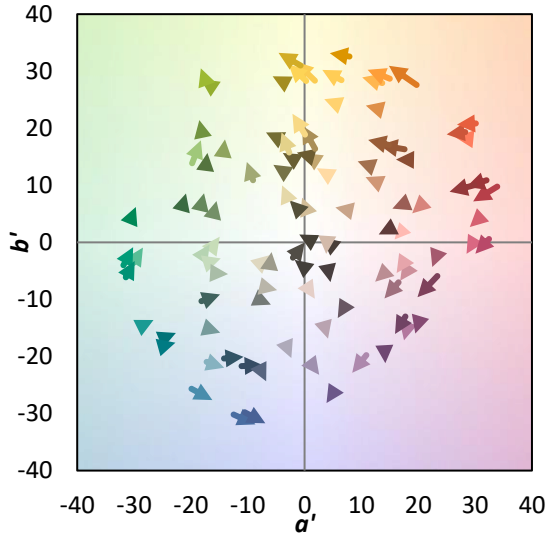


Color Vector Graphics









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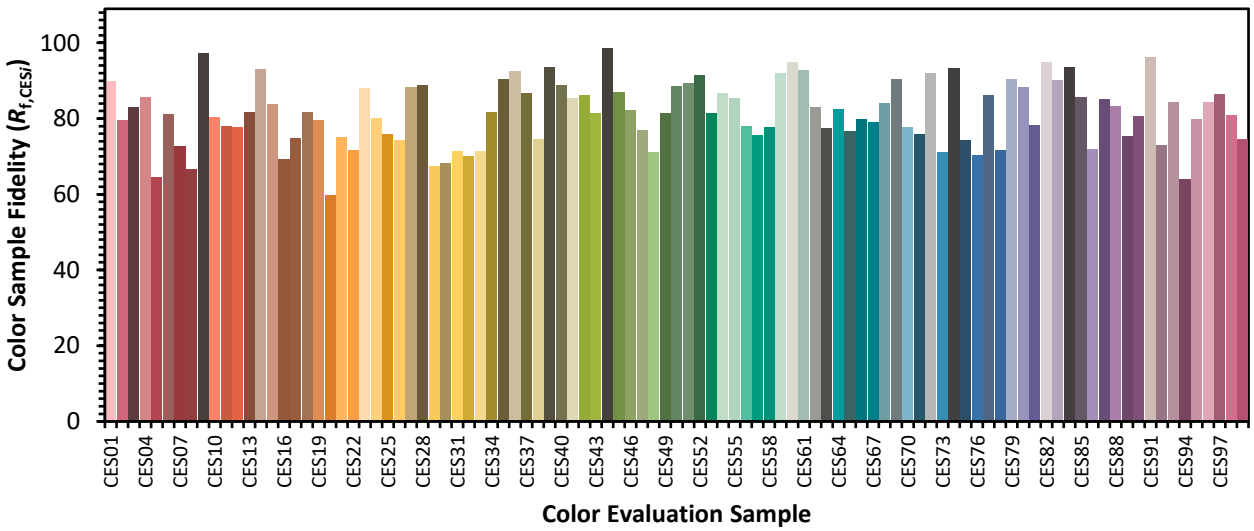
Individual Sample Fidelity Index ($R_{f,i}$)

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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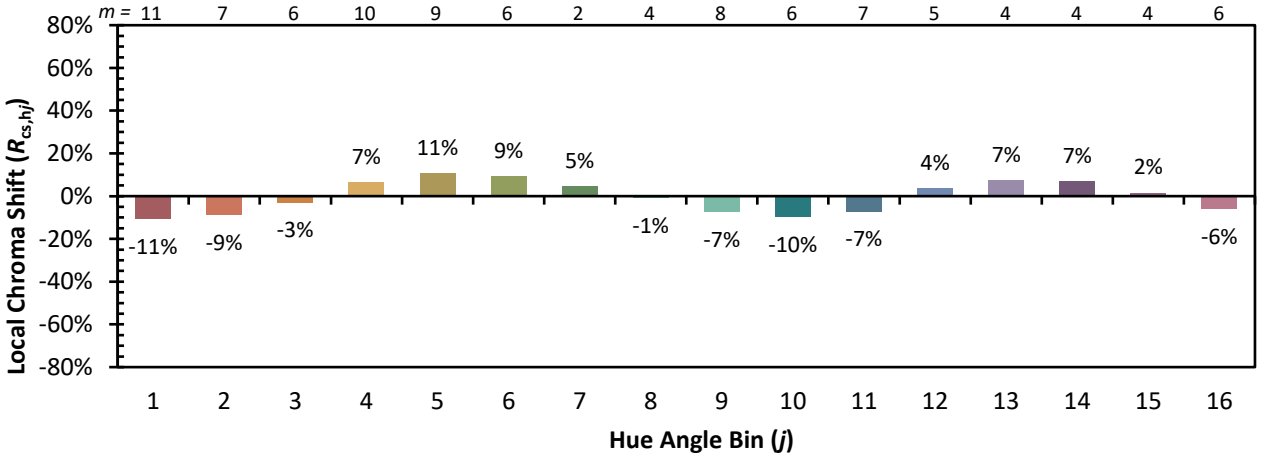
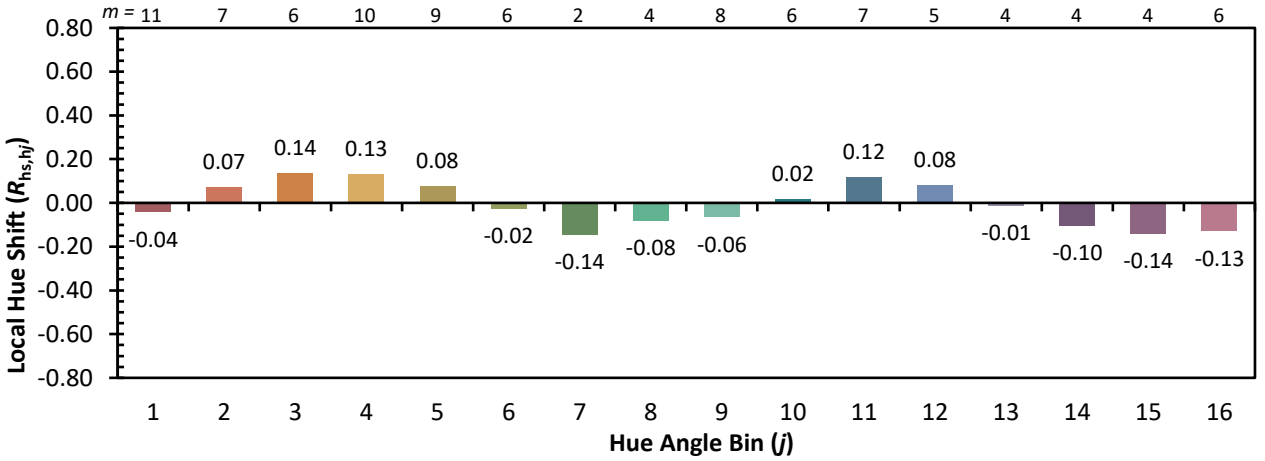
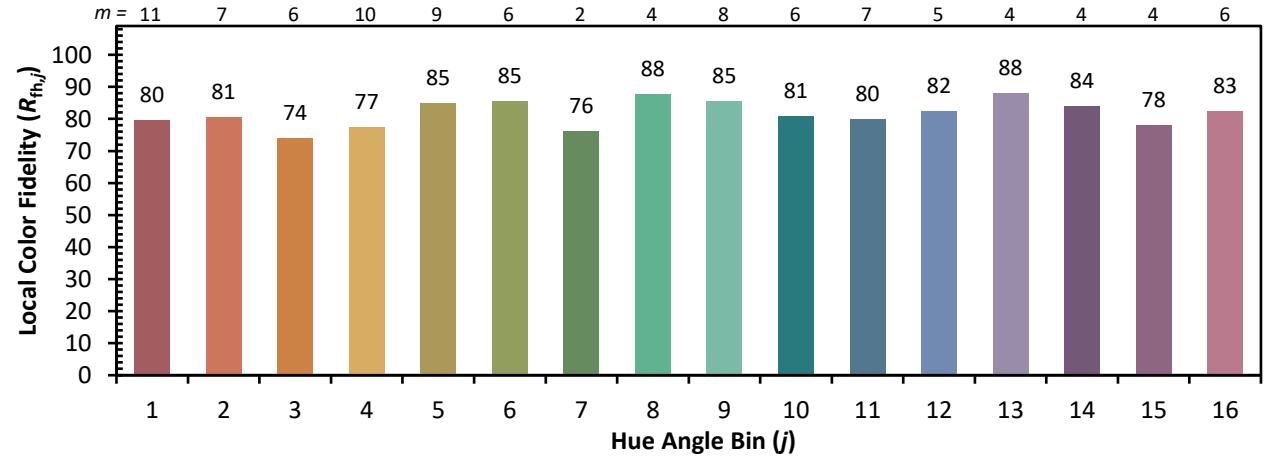
Color Rendition by Hue-Angle Bin







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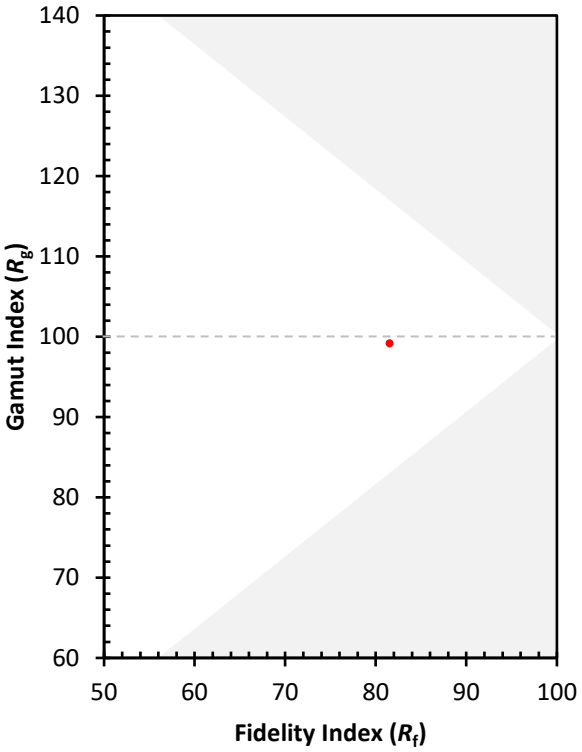
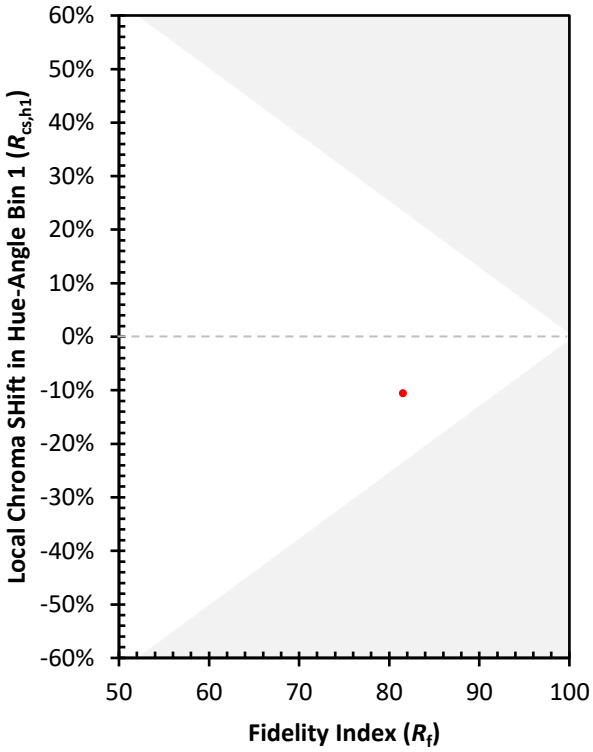
Measure Comparisons





(END OF REPORT)