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: P317929

Luminaire Tested: **GLEON-SA5C-830-U-T3R**

Issue Date: 3/3/2020

Report Generated By E0585644

Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

Scaled Data Report

Test Information

Test Method:	LM-79-08
Report Number:	P317929
	TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-10)
Test Lab:	INNOVATION CENTER
Issue Date:	3/3/2020
Manufacturer:	COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line:	McGRAW-EDISON
Catalog Number:	GLEON-SA5C-830-U-T3R
Description:	GALLEON AREA AND ROADWAY LUMINAIRE
	(5) 80 CRI, 3000K, 1050mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III ROADWAY OPTICS
Light Source:	-
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	28722 lumens
Efficiency:	N/A
Efficacy:	102.9 lumens/watt
Luminous Opening:	Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification:	Type IV - Medium
BUG Rating:	B3 - U0 - G4

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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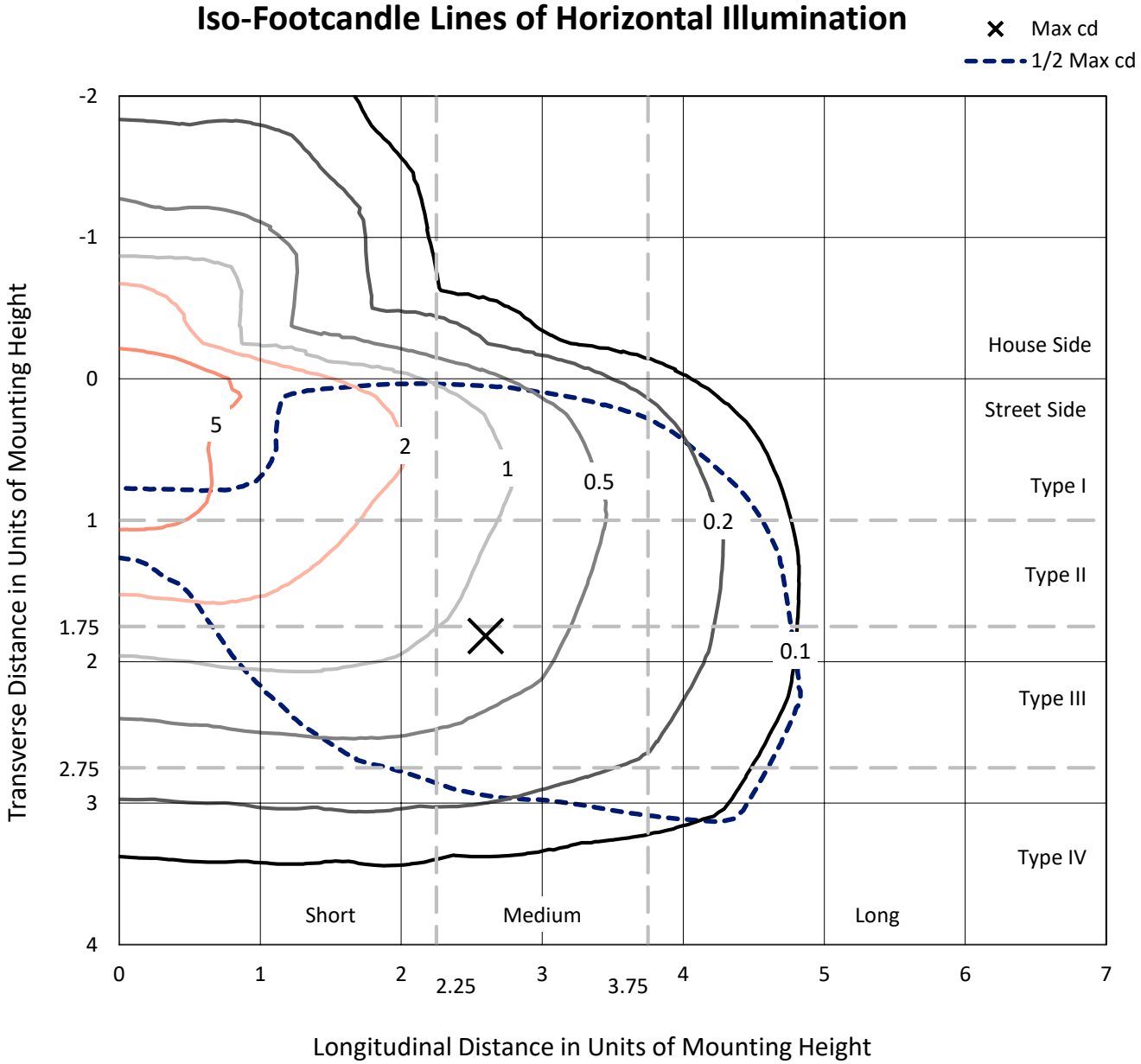
Scaled Data Report

REPORT NUMBER: P317929
CATALOG NUMBER: GLEON-SA5C-830-U-T3R

Iso-Footcandle Lines of Horizontal Illumination



Based on 25 foot mounting height. Maximum calculated value = 8.2 fc
Type IV - Medium - N/A

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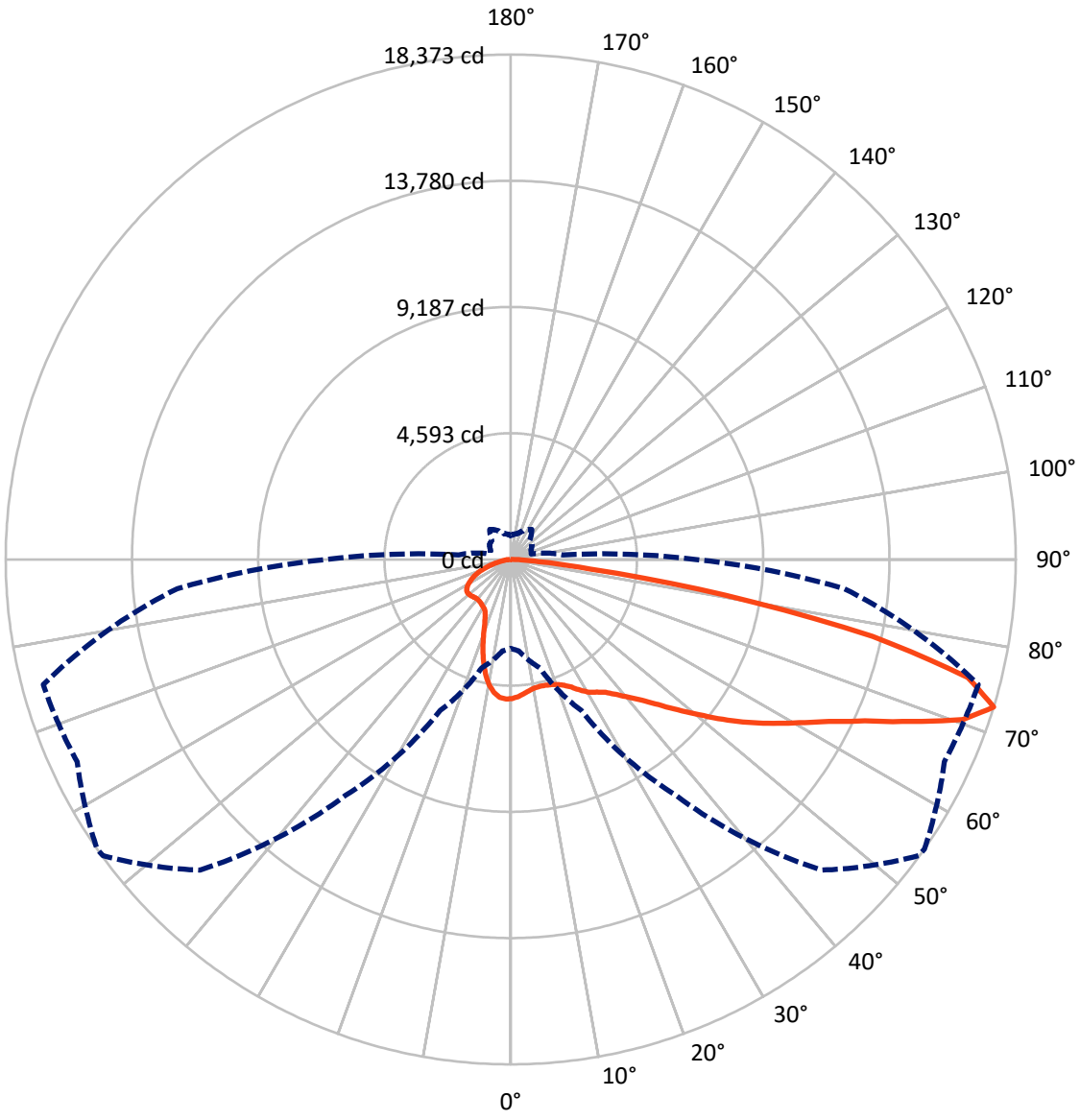
Luminous Intensity Polar Plot



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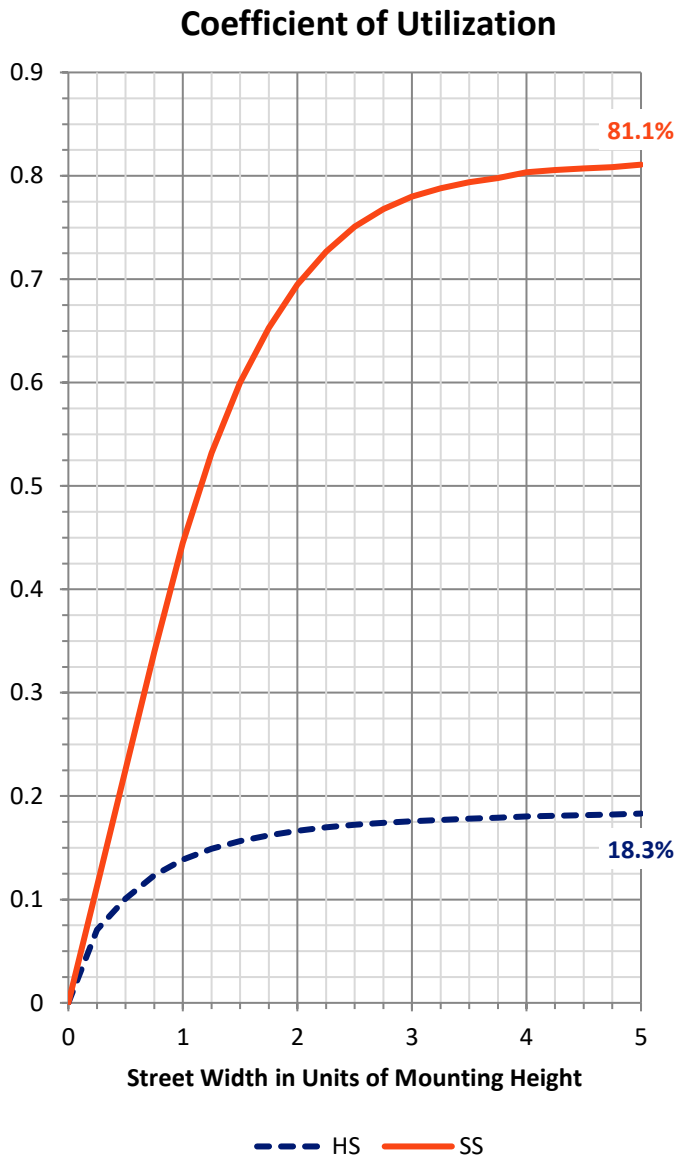
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	5338.5	0.0	5338.5
	% Fixture	18.6	0.0	18.6
Street Side	Lumens	23383.5	0.0	23383.5
	% Fixture	81.4	0.0	81.4
Total	Lumens	28722.0	0.0	28722.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	458.4	1.6
10°-20°	1220.5	4.2
20°-30°	2012.2	7.0
30°-40°	2976.6	10.4
40°-50°	4154.7	14.5
50°-60°	5409.5	18.8
60°-70°	6648.1	23.1
70°-80°	5211.3	18.1
80°-90°	630.6	2.2
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	28722.0	100.0
0°-180°	28722.0	100.0



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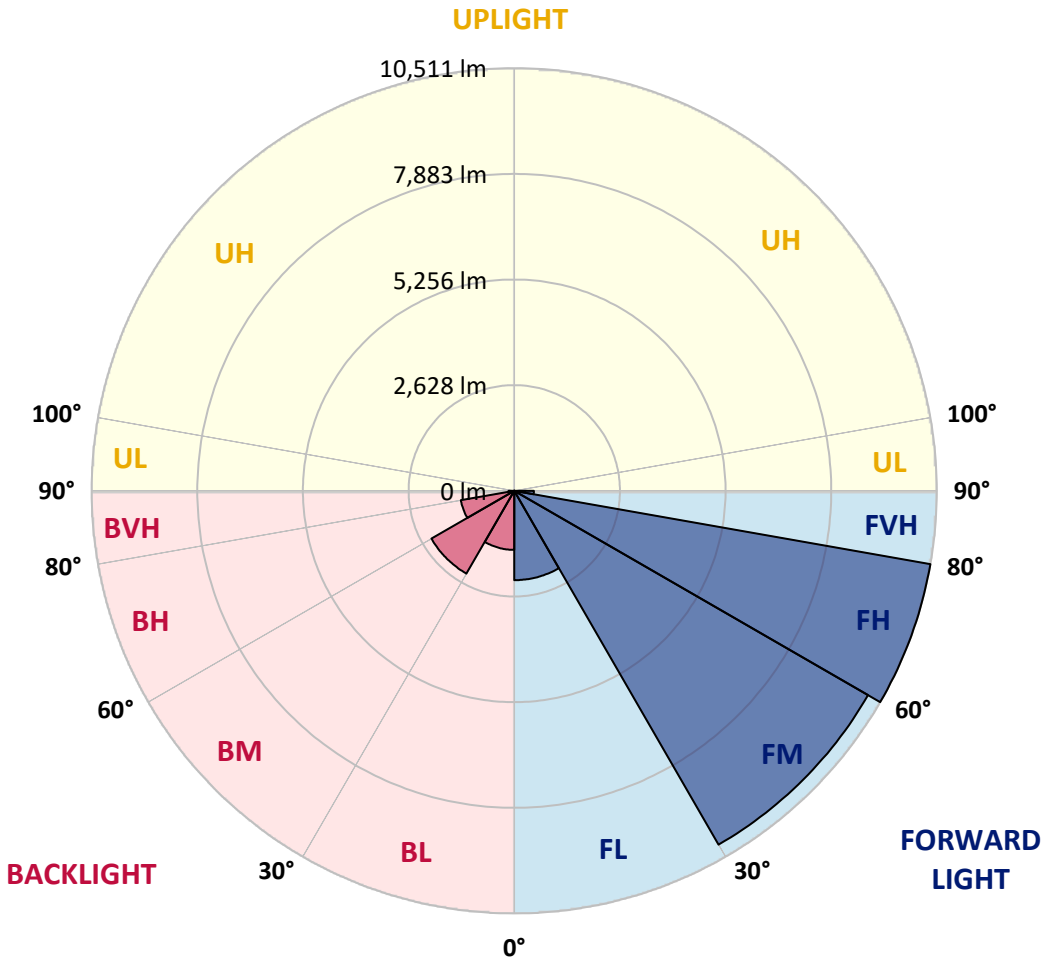
REPORT NUMBER: P317929
CATALOG NUMBER: GLEON-SA5C-830-U-T3R

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	2222.2	7.7			
FM	(30°-60°)	10162.4	35.4			
FH	(60°-80°)	10511.3	36.6			G4/12000
FVH	(80°-90°)	487.6	1.7			G3/500
BL	(0°-30°)	1468.8	5.1	B3/2500		
BM	(30°-60°)	2378.4	8.3	B2/2500		
BH	(60°-80°)	1348.2	4.7	B3/2500		G3/2500
BVH	(80°-90°)	143.1	0.5			G2/225
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G4
Type IV Medium



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REPORT NUMBER: P317929
CATALOG NUMBER: GLEON-SA5C-830-U-T3R

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	54°	55°	65°	75°	85°
0°	5065.9	5065.9	5065.9	5065.9	5065.9	5065.9	5065.9	5065.9	5065.9	5065.9	5065.9
2.5°	4901.0	4889.4	4903.9	4924.3	4946.6	4976.7	4994.2	5001.9	5032.0	5043.6	5068.9
5°	4674.0	4668.2	4692.4	4727.4	4776.8	4846.7	4903.0	4913.6	4993.2	5049.5	5100.9
7.5°	4509.1	4509.1	4537.2	4578.9	4634.2	4728.3	4807.9	4822.4	4957.3	5078.6	5173.6
10°	4378.1	4383.0	4416.0	4465.4	4530.4	4630.4	4736.1	4752.6	4947.6	5146.5	5297.8
12.5°	4290.8	4302.5	4332.5	4377.2	4457.7	4578.9	4712.8	4735.1	4968.0	5243.5	5447.2
15°	4346.1	4365.5	4368.4	4386.9	4431.5	4563.4	4726.4	4749.7	5011.6	5342.4	5617.0
17.5°	4588.6	4595.4	4565.4	4526.6	4505.2	4589.6	4767.1	4791.4	5064.0	5440.4	5779.9
20°	4957.3	4953.4	4888.4	4783.6	4675.0	4688.6	4834.1	4859.3	5134.8	5526.7	5942.9
22.5°	5422.9	5409.4	5309.4	5116.4	4931.1	4853.5	4951.5	4972.8	5241.5	5650.0	6117.5
25°	5987.6	5957.5	5825.5	5566.5	5293.9	5094.1	5128.0	5148.4	5396.8	5787.7	6277.6
27.5°	6583.2	6553.1	6385.3	6072.0	5709.1	5397.7	5371.5	5389.0	5573.3	5889.6	6396.0
30°	7206.0	7174.0	7020.7	6669.5	6149.6	5712.0	5598.5	5605.3	5697.5	5944.9	6493.0
32.5°	7831.7	7801.7	7630.0	7222.5	6627.8	6049.6	5762.5	5753.8	5772.2	6002.1	6602.6
35°	8466.2	8477.8	8277.0	7825.9	7157.5	6425.1	5956.5	5938.1	5897.3	6119.5	6757.8
37.5°	9145.3	9137.5	8877.5	8406.1	7711.4	6832.5	6234.9	6232.0	6091.4	6341.6	7001.3
40°	9599.3	9604.1	9446.0	8999.8	8271.2	7283.6	6591.9	6585.1	6400.8	6674.4	7320.5
42.5°	9776.8	9808.8	9849.6	9566.3	8857.2	7806.5	7017.8	7008.1	6832.5	7151.7	7695.9
45°	9789.4	9853.5	10105.7	10069.8	9450.9	8405.1	7562.0	7534.9	7408.8	7786.1	8144.1
47.5°	9680.8	9746.7	10165.8	10369.6	9981.5	9036.6	8198.4	8177.1	8068.5	8579.7	8629.2
50°	9443.1	9506.2	10041.7	10516.1	10418.1	9643.9	8931.9	8875.6	8817.4	9496.5	9184.1
52.5°	8997.8	9119.1	9875.8	10551.0	10679.0	10183.3	9703.1	9666.2	9698.2	10463.7	9740.0
55°	7943.3	8079.1	9448.0	10521.9	10872.1	10636.3	10474.3	10472.4	10638.3	11478.4	10336.6
57.5°	7352.5	7448.5	8576.8	10472.4	11101.0	11086.5	11237.8	11256.2	11579.3	12583.4	10961.3
60°	7018.8	7119.7	8135.4	10289.0	11456.1	11668.5	12016.8	12053.7	12535.8	13806.7	11713.2
62.5°	6715.1	6825.7	7861.8	9915.5	11874.2	12500.9	12950.1	12983.1	13548.6	15064.0	12439.8
65°	6196.1	6321.3	7461.2	9670.1	12254.5	13586.5	14136.5	14158.8	14711.8	16381.4	12995.7
67.5°	5462.7	5577.2	6705.4	9127.8	12535.8	14904.9	15713.9	15726.5	15865.3	17311.7	13279.9
70°	4606.1	4649.8	5628.6	8008.3	12203.1	16137.9	17442.7	17445.6	16916.9	17907.4	13233.3
72.5°	3236.3	3339.1	4086.1	6062.3	10486.9	15987.5	18340.0	18373.0	17405.8	17606.6	12175.9
75°	1984.9	2093.5	2563.0	3673.8	6653.1	12573.7	16945.0	17174.0	16489.1	15698.4	9946.6
77.5°	1327.1	1367.9	1672.5	2142.0	3014.1	7234.2	13027.7	13458.4	13698.0	11448.3	6361.0
80°	740.2	817.8	1108.8	1331.0	1340.7	2874.5	7811.4	7912.3	7621.2	4558.6	1962.5
82.5°	391.9	434.6	740.2	781.9	731.5	962.4	2911.3	2914.2	2435.0	1222.3	583.0
85°	303.6	339.5	507.4	477.3	373.5	426.9	960.4	1012.8	828.5	500.6	190.1
87.5°	151.3	188.2	344.4	302.7	146.5	122.2	343.4	366.7	326.9	196.0	68.9
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-SA5C-830-U-T3R

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	5065.9	5065.9	5065.9	5065.9	5065.9	5065.9	5065.9	5065.9	5065.9	5065.9	5065.9
2.5°	5078.6	5087.3	5098.0	5086.3	5082.4	5066.9	5040.7	5034.9	5021.3	5022.3	5030.0
5°	5123.2	5137.7	5131.9	5087.3	5033.9	4959.2	4881.6	4815.7	4772.0	4769.1	4766.2
7.5°	5208.5	5218.3	5172.7	5045.6	4896.2	4723.5	4560.5	4417.9	4331.6	4310.2	4305.4
10°	5342.4	5340.5	5215.3	4959.2	4661.4	4352.9	4091.0	3893.1	3777.6	3743.7	3734.9
12.5°	5491.8	5469.5	5229.9	4802.1	4329.6	3901.8	3570.0	3349.8	3229.5	3190.7	3181.0
15°	5646.1	5590.8	5194.0	4567.3	3922.2	3415.8	3067.5	2863.8	2798.8	2777.4	2773.6
17.5°	5789.6	5682.9	5091.2	4249.1	3457.5	2931.7	2660.1	2578.6	2594.1	2622.2	2623.2
20°	5930.3	5745.0	4926.2	3847.5	2967.6	2533.0	2440.8	2501.0	2574.7	2631.9	2639.7
22.5°	6069.0	5788.7	4713.8	3383.8	2529.1	2308.9	2373.9	2483.5	2567.9	2630.0	2640.7
25°	6185.5	5799.4	4420.8	2889.0	2224.5	2224.5	2341.9	2445.7	2529.1	2590.2	2600.9
27.5°	6228.1	5727.6	4007.5	2431.1	2071.2	2185.7	2297.2	2383.6	2454.4	2519.4	2531.0
30°	6244.6	5594.7	3530.3	2063.4	2008.1	2144.0	2237.1	2310.8	2377.8	2438.9	2449.5
32.5°	6247.5	5434.6	3023.8	1854.9	1964.5	2100.3	2162.4	2227.4	2299.2	2323.4	2327.3
35°	6266.0	5245.4	2490.3	1748.1	1923.7	2059.6	2109.0	2155.6	2039.2	2047.9	2055.7
37.5°	6319.3	5058.2	2044.0	1688.0	1897.5	2038.2	2097.4	1928.6	1837.4	1816.1	1813.1
40°	6419.3	4858.3	1713.2	1639.5	1887.8	2048.9	2022.7	1800.5	1643.4	1526.0	1508.5
42.5°	6558.0	4643.0	1501.7	1607.5	1894.6	2100.3	1918.9	1677.3	1416.4	1340.7	1331.0
45°	6714.2	4416.9	1387.3	1585.2	1917.9	2140.1	1897.5	1513.4	1310.6	1253.4	1248.5
47.5°	6865.5	4140.5	1328.1	1575.5	1949.9	2108.1	1807.3	1462.9	1260.2	1230.1	1233.0
50°	7039.2	3891.1	1292.2	1564.8	1978.1	2087.7	1705.5	1436.7	1240.8	1277.6	1316.4
52.5°	7185.6	3633.1	1260.2	1543.5	1988.7	2051.8	1679.3	1441.6	1240.8	1311.6	1348.5
55°	7359.3	3438.1	1223.3	1498.8	1968.4	1949.9	1660.8	1470.7	1255.3	1210.7	1214.6
57.5°	7583.4	3374.1	1182.6	1429.0	1900.5	1801.5	1652.1	1498.8	1246.6	1218.5	1228.2
60°	7893.8	3442.0	1166.1	1337.8	1794.7	1685.1	1653.1	1484.3	1185.5	1137.0	1137.9
62.5°	8189.7	3517.6	1165.1	1280.6	1664.7	1581.3	1630.8	1436.7	1154.4	1126.3	1137.0
65°	8286.7	3441.0	1118.5	1216.5	1518.2	1457.1	1590.0	1386.3	1131.2	1088.5	1086.5
67.5°	8156.7	3203.3	1024.4	1112.7	1350.4	1312.6	1536.7	1326.1	1094.3	1059.4	1053.5
70°	7770.6	2672.7	908.0	975.9	1159.3	1149.6	1452.3	1256.3	1044.8	1014.7	989.5
72.5°	*6731.6*	*1904.3*	*765.4*	*812.0*	*943.9*	*975.0*	*1335.8*	*1165.1*	*975.0*	*910.0*	*871.2*
75°	5528.7	1409.6	628.6	638.3	716.9	801.3	1175.8	1058.4	892.5	781.9	751.8
77.5°	3385.7	862.4	500.6	504.5	514.2	639.3	968.2	939.1	787.7	651.9	630.6
80°	1096.2	470.5	361.9	380.3	351.2	468.6	748.9	799.4	676.2	545.2	521.9
82.5°	417.1	274.5	244.5	257.1	243.5	314.3	546.2	640.3	553.9	448.2	364.8
85°	201.8	155.2	144.5	162.0	150.4	161.0	349.2	471.5	420.1	292.0	271.6
87.5°	71.8	68.9	55.3	74.7	64.0	57.2	106.7	237.7	277.5	200.8	179.5
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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LM-79-2019: Approved Method: Electrical and Photometric Measurements of Solid-State Lighting Products

Report Prepared for

Cooper Lighting Solutions

MCGRAW EDISON

Report Number: SP1-2408-195-9

Test Date: 08/07/2024

Luminaire Tested: GALN-SB1A-830-U-5WQ

Data in this report applies to families of products including GALN-SB1A-830-U-5WQ.

Report Generated By FNC07603 / LDUCLS01DT446
Version: v7.04

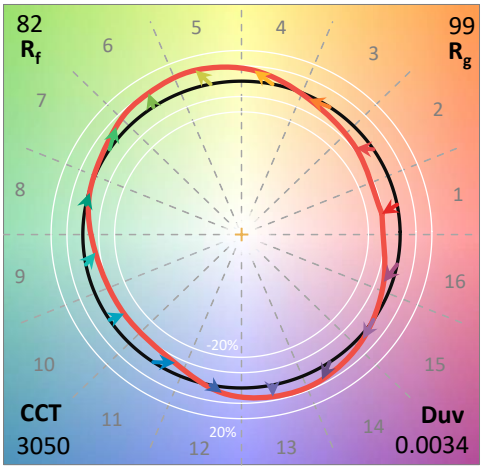
Test Information

Test Method:	LM-79-2019
Report Number:	SP1-2408-195-9
Test Lab:	COOPER LIGHTING SOLUTIONS
Photometer:	SP1 - 76IN SPHERE
Measurement Geometry:	4π
Issue Date:	08/07/2024
Manufacturer:	COOPER LIGHTING SOLUTIONS
Product Line:	MCGRAW EDISON
Catalog Number:	**GALN-SB1A-830-U-5WQ**
Description:	GALLEON AREA AND ROADWAY LUMINAIRE. (1) 80 CRI, 3000K, 350MA HIGH DENSITY LIGHTSQUARE WITH 26 LEDS AND TYPE V WIDE OPTICS

Spectral Parameters

CCT (K):	3050	CRI (Ra):	81.0		
CIE u':	0.2476	R1:	79.6	R9:	7.1
CIE v':	0.5251	R2:	85.6	R10:	67.0
Duv:	0.0034	R3:	92.0	R11:	82.7
CIE x:	0.4383	R4:	82.6	R12:	63.2
CIE y:	0.4131	R5:	78.9	R13:	80.3
CIE z:	0.1487	R6:	81.7	R14:	95.0
Peak Wavelength (nm):	603	R7:	85.2	R15:	71.7
Dominant Wavelength (nm):	581	R8:	62.0		
Purity:	55.55201				

Rf:	81.5
Rg:	99.2



Test Conditions

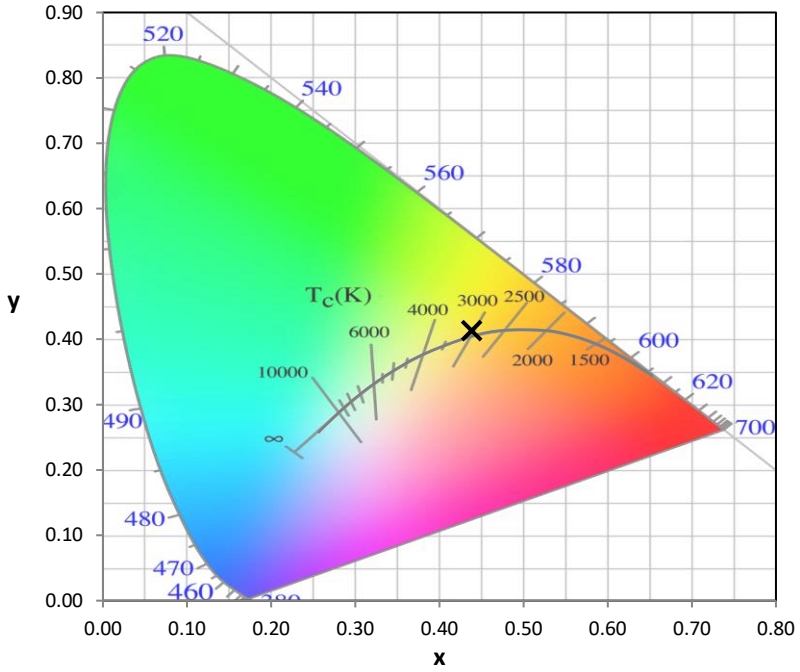
Stabilization Time:	20M
Operation Time:	1H 20M
Sphere Temperature (°C):	24.2

REPORT NUMBER: SP1-2408-195-9

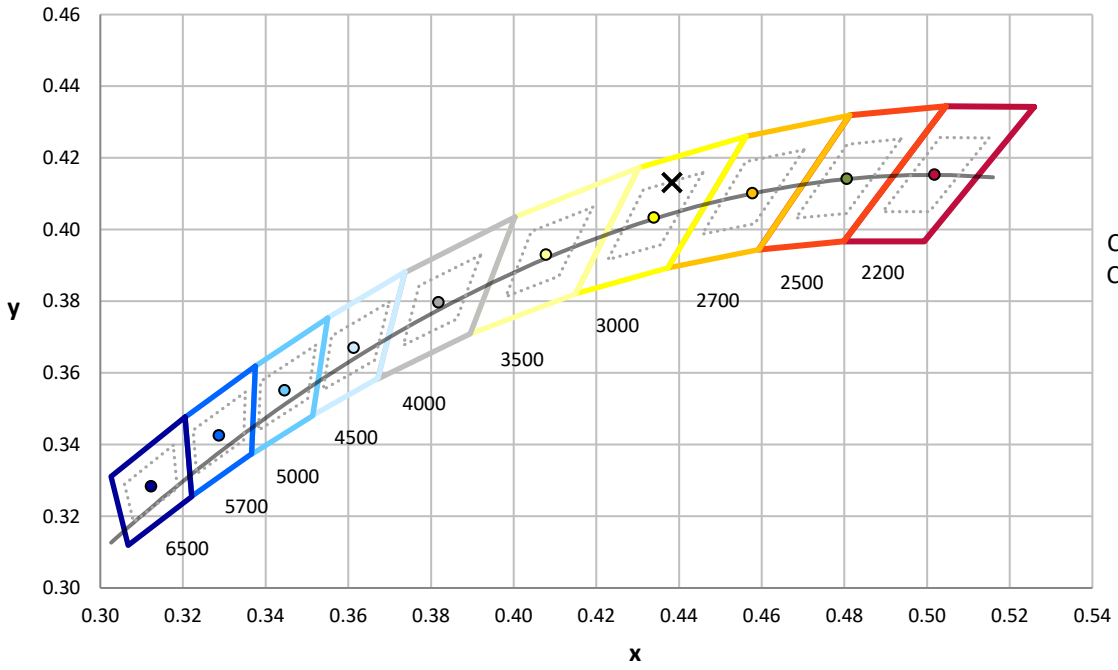
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085	10/24/2023	10/24/2024
Room Thermometer	IN0046	10/24/2023	10/24/2024

REPORT NUMBER: SP1-2408-195-9

CIE 1931 Chromaticity Diagram



CIE 1931 Chromaticity Diagram with 2017 ANSI 7-Step and 4-Step Quadrangles

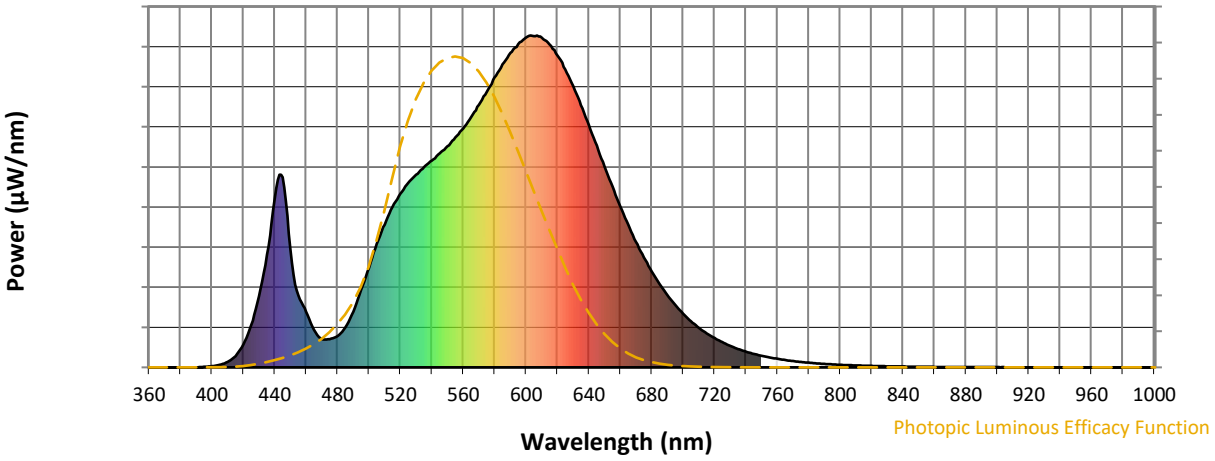


CCT = 3050K
CIE x = 0.4383
CIE y = 0.4131
Duv = 0.0034

Point lies inside the ANSI 3000K 4-step quadrangle

REPORT NUMBER: SP1-2408-195-9

Photopic Flux vs. Wavelength



Photopic Lumens: NR

λ (nm)	Power W^/nm	Lumens (ϕ/nm)	λ (nm)	Power W^/nm	Lumens (ϕ/nm)	λ (nm)	Power W^/nm	Lumens (ϕ/nm)	λ (nm)	Power W^/nm	Lumens (ϕ/nm)	λ (nm)	Power W^/nm	Lumens (ϕ/nm)
360	0	NR	490	168	NR	620	940	NR	750	35	NR	880	1	NR
365	0	NR	495	233	NR	625	897	NR	755	30	NR	885	1	NR
370	0	NR	500	300	NR	630	847	NR	760	26	NR	890	1	NR
375	0	NR	505	372	NR	635	790	NR	765	22	NR	895	1	NR
380	0	NR	510	430	NR	640	730	NR	770	19	NR	900	1	NR
385	0	NR	515	483	NR	645	668	NR	775	16	NR	905	1	NR
390	0	NR	520	524	NR	650	605	NR	780	14	NR	910	0	NR
395	2	NR	525	555	NR	655	545	NR	785	12	NR	915	0	NR
400	4	NR	530	581	NR	660	485	NR	790	10	NR	920	0	NR
405	7	NR	535	604	NR	665	430	NR	795	9	NR	925	0	NR
410	17	NR	540	623	NR	670	378	NR	800	8	NR	930	0	NR
415	34	NR	545	645	NR	675	331	NR	805	7	NR	935	0	NR
420	68	NR	550	667	NR	680	290	NR	810	6	NR	940	0	NR
425	128	NR	555	693	NR	685	251	NR	815	5	NR	945	0	NR
430	214	NR	560	719	NR	690	218	NR	820	4	NR	950	0	NR
435	339	NR	565	754	NR	695	188	NR	825	4	NR	955	0	NR
440	507	NR	570	791	NR	700	162	NR	830	3	NR	960	0	NR
445	573	NR	575	830	NR	705	139	NR	835	3	NR	965	0	NR
450	356	NR	580	873	NR	710	119	NR	840	3	NR	970	0	NR
455	217	NR	585	913	NR	715	102	NR	845	2	NR	975	0	NR
460	168	NR	590	948	NR	720	88	NR	850	2	NR	980	0	NR
465	113	NR	595	974	NR	725	76	NR	855	2	NR	985	0	NR
470	85	NR	600	994	NR	730	65	NR	860	1	NR	990	0	NR
475	85	NR	605	998	NR	735	55	NR	865	1	NR	995	0	NR
480	94	NR	610	994	NR	740	47	NR	870	1	NR	1000	0	NR
485	120	NR	615	973	NR	745	41	NR	875	1	NR			

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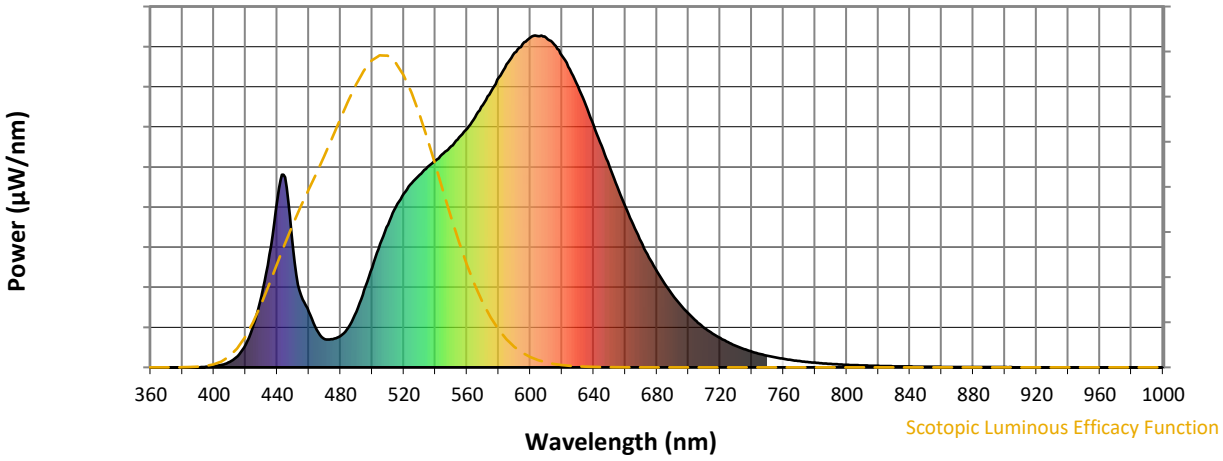
Scotopic Flux vs. Wavelength



Scotopic Lumens: NR **S/P: 1.27**

λ (nm)	Power W^/nm	Lumens (ϕ/nm)	λ (nm)	Power W^/nm	Lumens (ϕ/nm)	λ (nm)	Power W^/nm	Lumens (ϕ/nm)	λ (nm)	Power W^/nm	Lumens (ϕ/nm)	λ (nm)	Power W^/nm	Lumens (ϕ/nm)
360	0	NR	490	168	NR	620	940	NR	750	35	NR	880	1	NR
365	0	NR	495	233	NR	625	897	NR	755	30	NR	885	1	NR
370	0	NR	500	300	NR	630	847	NR	760	26	NR	890	1	NR
375	0	NR	505	372	NR	635	790	NR	765	22	NR	895	1	NR
380	0	NR	510	430	NR	640	730	NR	770	19	NR	900	1	NR
385	0	NR	515	483	NR	645	668	NR	775	16	NR	905	1	NR
390	0	NR	520	524	NR	650	605	NR	780	14	NR	910	0	NR
395	2	NR	525	555	NR	655	545	NR	785	12	NR	915	0	NR
400	4	NR	530	581	NR	660	485	NR	790	10	NR	920	0	NR
405	7	NR	535	604	NR	665	430	NR	795	9	NR	925	0	NR
410	17	NR	540	623	NR	670	378	NR	800	8	NR	930	0	NR
415	34	NR	545	645	NR	675	331	NR	805	7	NR	935	0	NR
420	68	NR	550	667	NR	680	290	NR	810	6	NR	940	0	NR
425	128	NR	555	693	NR	685	251	NR	815	5	NR	945	0	NR
430	214	NR	560	719	NR	690	218	NR	820	4	NR	950	0	NR
435	339	NR	565	754	NR	695	188	NR	825	4	NR	955	0	NR
440	507	NR	570	791	NR	700	162	NR	830	3	NR	960	0	NR
445	573	NR	575	830	NR	705	139	NR	835	3	NR	965	0	NR
450	356	NR	580	873	NR	710	119	NR	840	3	NR	970	0	NR
455	217	NR	585	913	NR	715	102	NR	845	2	NR	975	0	NR
460	168	NR	590	948	NR	720	88	NR	850	2	NR	980	0	NR
465	113	NR	595	974	NR	725	76	NR	855	2	NR	985	0	NR
470	85	NR	600	994	NR	730	65	NR	860	1	NR	990	0	NR
475	85	NR	605	998	NR	735	55	NR	865	1	NR	995	0	NR
480	94	NR	610	994	NR	740	47	NR	870	1	NR	1000	0	NR
485	120	NR	615	973	NR	745	41	NR	875	1	NR			

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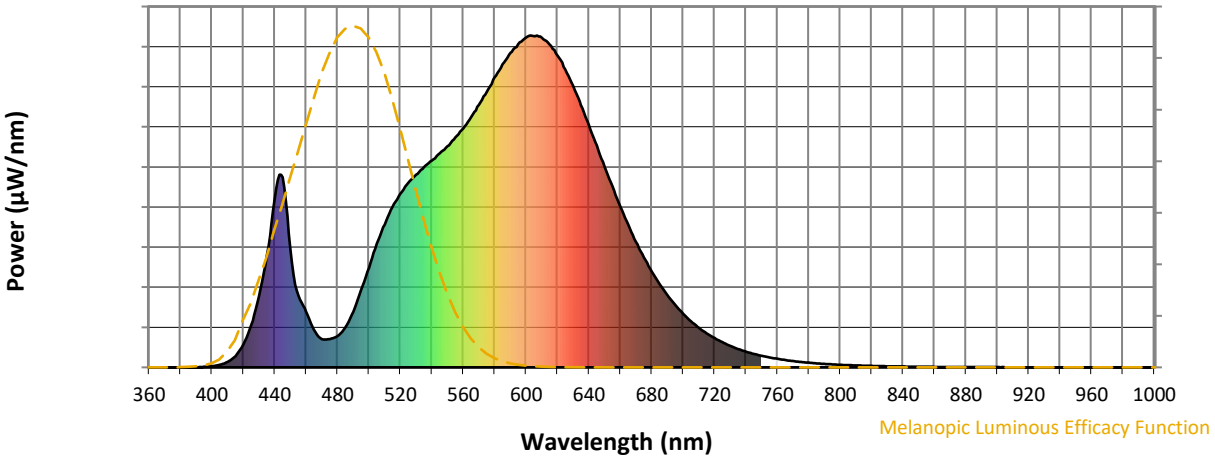
Melanopic Flux vs. Wavelength



Melanopic Lumens: NR **M/P: 2.32**

λ (nm)	Power W^/nm	Lumens (ϕ/nm)	λ (nm)	Power W^/nm	Lumens (ϕ/nm)	λ (nm)	Power W^/nm	Lumens (ϕ/nm)	λ (nm)	Power W^/nm	Lumens (ϕ/nm)	λ (nm)	Power W^/nm	Lumens (ϕ/nm)
360	0	NR	490	168	NR	620	940	NR	750	35	NR	880	1	NR
365	0	NR	495	233	NR	625	897	NR	755	30	NR	885	1	NR
370	0	NR	500	300	NR	630	847	NR	760	26	NR	890	1	NR
375	0	NR	505	372	NR	635	790	NR	765	22	NR	895	1	NR
380	0	NR	510	430	NR	640	730	NR	770	19	NR	900	1	NR
385	0	NR	515	483	NR	645	668	NR	775	16	NR	905	1	NR
390	0	NR	520	524	NR	650	605	NR	780	14	NR	910	0	NR
395	2	NR	525	555	NR	655	545	NR	785	12	NR	915	0	NR
400	4	NR	530	581	NR	660	485	NR	790	10	NR	920	0	NR
405	7	NR	535	604	NR	665	430	NR	795	9	NR	925	0	NR
410	17	NR	540	623	NR	670	378	NR	800	8	NR	930	0	NR
415	34	NR	545	645	NR	675	331	NR	805	7	NR	935	0	NR
420	68	NR	550	667	NR	680	290	NR	810	6	NR	940	0	NR
425	128	NR	555	693	NR	685	251	NR	815	5	NR	945	0	NR
430	214	NR	560	719	NR	690	218	NR	820	4	NR	950	0	NR
435	339	NR	565	754	NR	695	188	NR	825	4	NR	955	0	NR
440	507	NR	570	791	NR	700	162	NR	830	3	NR	960	0	NR
445	573	NR	575	830	NR	705	139	NR	835	3	NR	965	0	NR
450	356	NR	580	873	NR	710	119	NR	840	3	NR	970	0	NR
455	217	NR	585	913	NR	715	102	NR	845	2	NR	975	0	NR
460	168	NR	590	948	NR	720	88	NR	850	2	NR	980	0	NR
465	113	NR	595	974	NR	725	76	NR	855	2	NR	985	0	NR
470	85	NR	600	994	NR	730	65	NR	860	1	NR	990	0	NR
475	85	NR	605	998	NR	735	55	NR	865	1	NR	995	0	NR
480	94	NR	610	994	NR	740	47	NR	870	1	NR	1000	0	NR
485	120	NR	615	973	NR	745	41	NR	875	1	NR			

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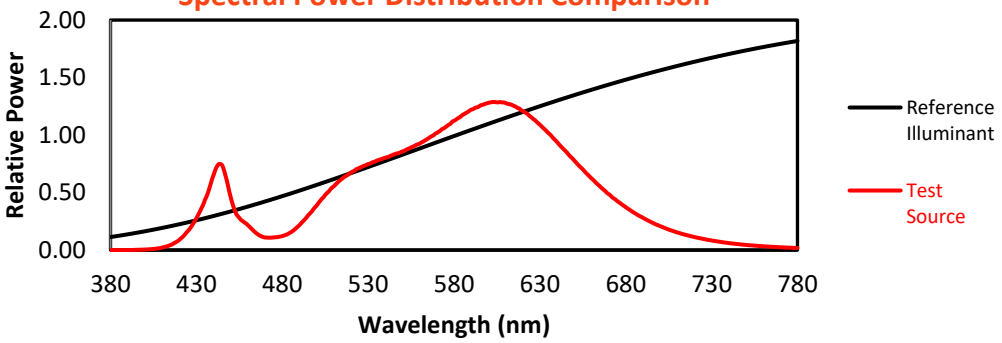
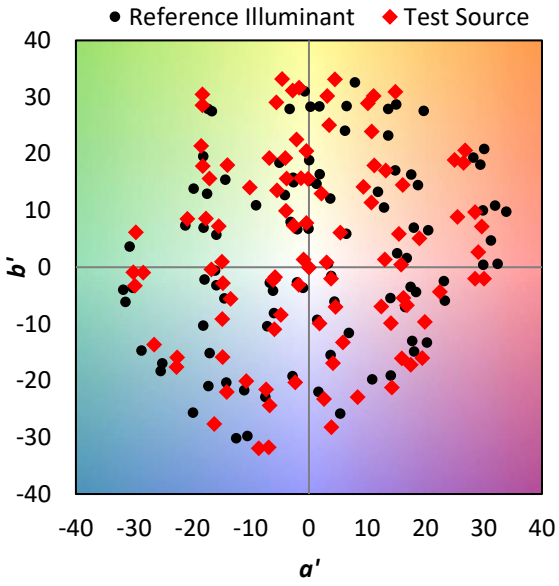
Summary

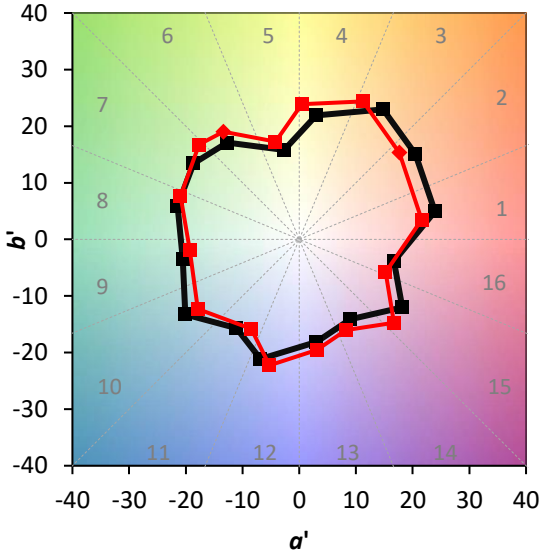
R_f = 81.5
R_g = 99.2
CIE R_a = 81.0
R_9 = 7.1

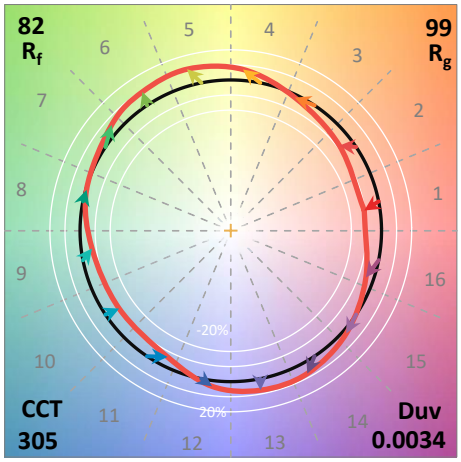
Spectral Power Distribution Comparison

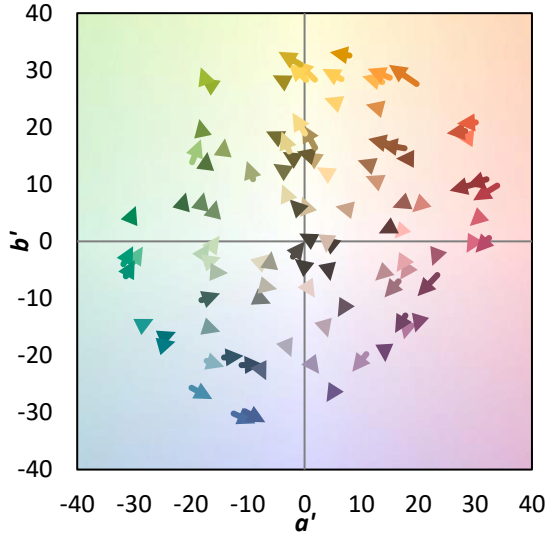


Color Vector Graphics









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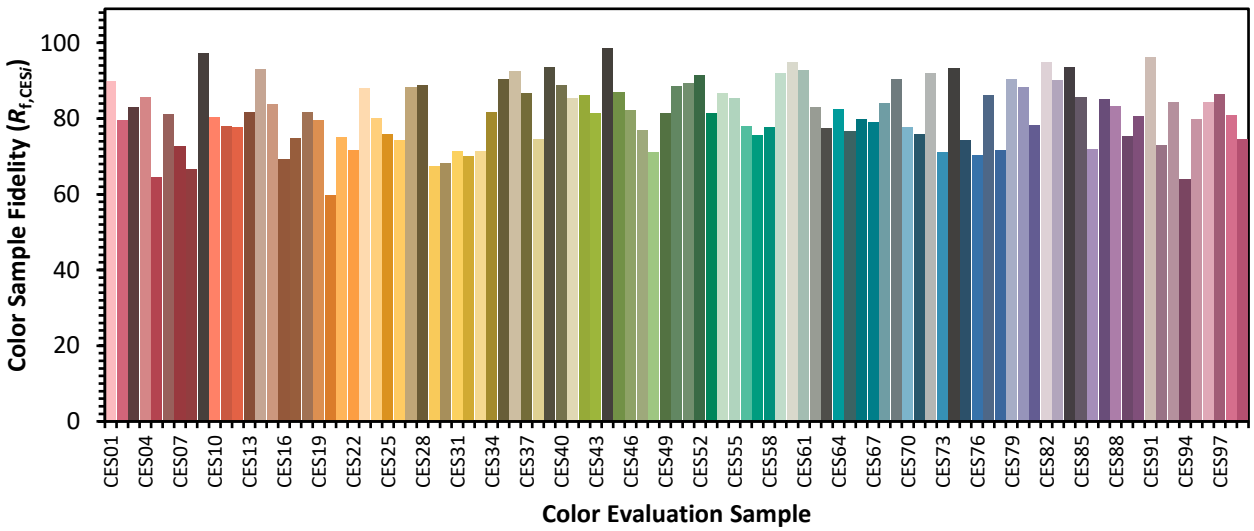
Individual Sample Fidelity Index ($R_{f,i}$)

CES01 = 86	CES26 = 74	CES51 = 89	CES76 = 70
CES02 = 63	CES27 = 88	CES52 = 92	CES77 = 86
CES03 = 31	CES28 = 89	CES53 = 81	CES78 = 72
CES04 = 70	CES29 = 67	CES54 = 87	CES79 = 90
CES05 = 50	CES30 = 68	CES55 = 85	CES80 = 88
CES06 = 51	CES31 = 71	CES56 = 78	CES81 = 78
CES07 = 42	CES32 = 70	CES57 = 76	CES82 = 95
CES08 = 41	CES33 = 71	CES58 = 78	CES83 = 90
CES09 = 29	CES34 = 82	CES59 = 92	CES84 = 94
CES10 = 76	CES35 = 90	CES60 = 95	CES85 = 86
CES11 = 59	CES36 = 93	CES61 = 93	CES86 = 72
CES12 = 65	CES37 = 87	CES62 = 83	CES87 = 85
CES13 = 43	CES38 = 75	CES63 = 77	CES88 = 83
CES14 = 74	CES39 = 94	CES64 = 83	CES89 = 75
CES15 = 71	CES40 = 89	CES65 = 77	CES90 = 81
CES16 = 47	CES41 = 85	CES66 = 80	CES91 = 96
CES17 = 50	CES42 = 86	CES67 = 79	CES92 = 73
CES18 = 56	CES43 = 81	CES68 = 84	CES93 = 84
CES19 = 72	CES44 = 99	CES69 = 91	CES94 = 64
CES20 = 66	CES45 = 87	CES70 = 78	CES95 = 80
CES21 = 87	CES46 = 82	CES71 = 76	CES96 = 84
CES22 = 79	CES47 = 77	CES72 = 92	CES97 = 87
CES23 = 92	CES48 = 71	CES73 = 71	CES98 = 81
CES24 = 91	CES49 = 81	CES74 = 93	CES99 = 74
CES25 = 72	CES50 = 89	CES75 = 74	



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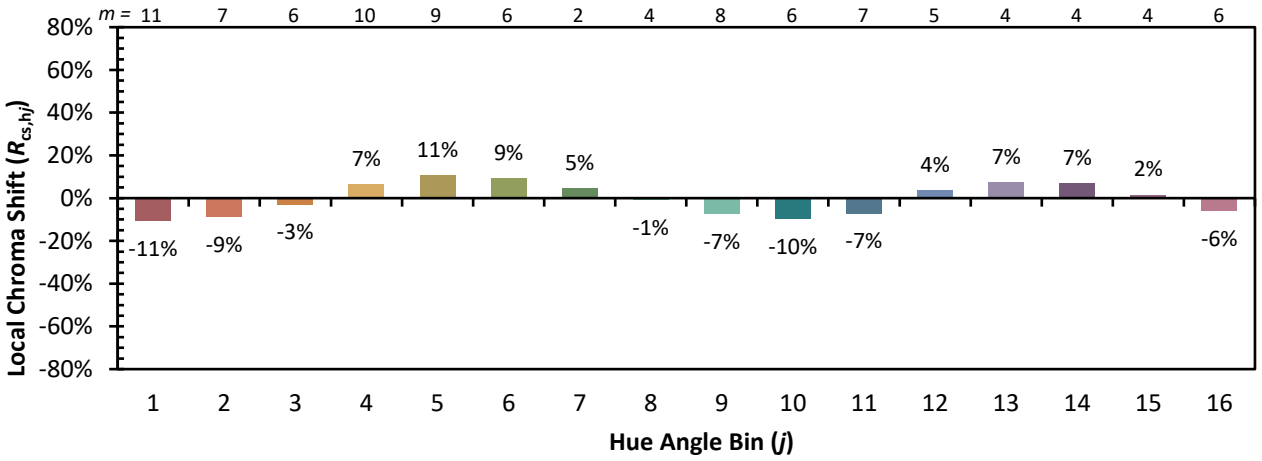
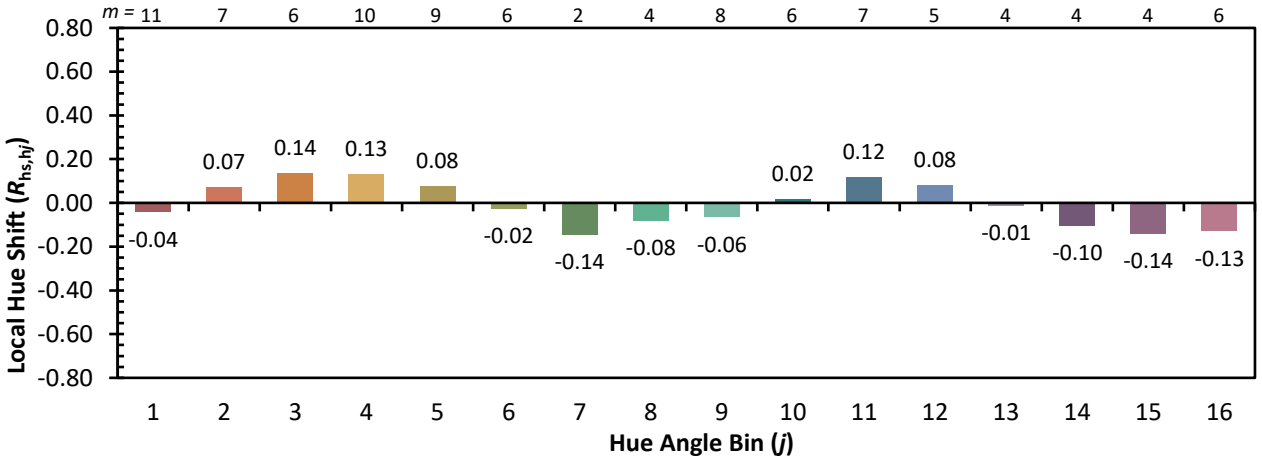
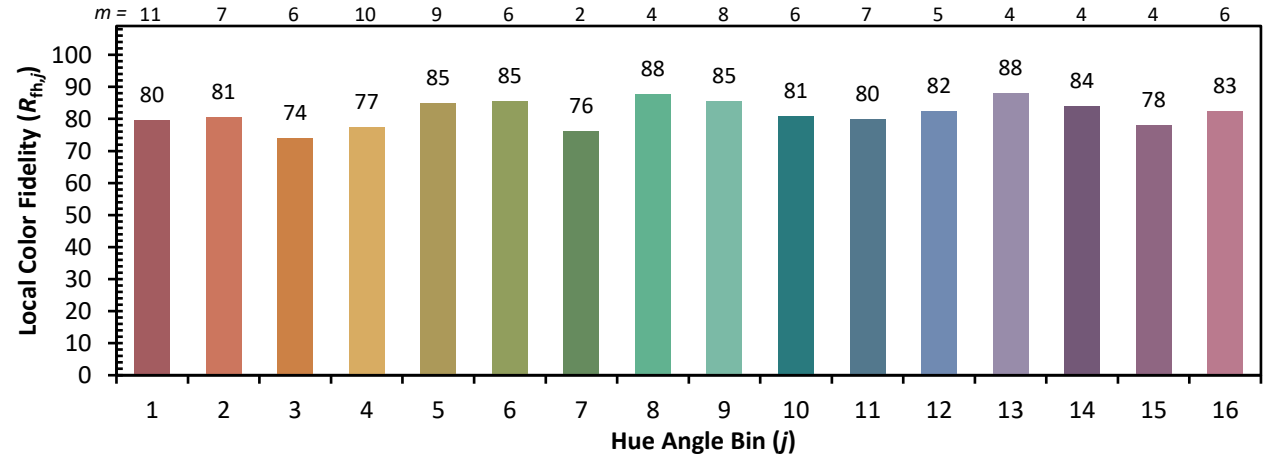
Color Rendition by Hue-Angle Bin







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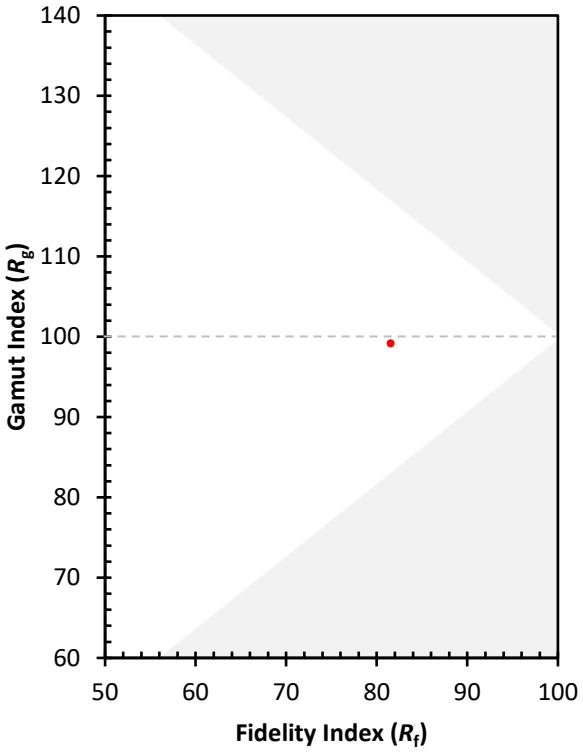
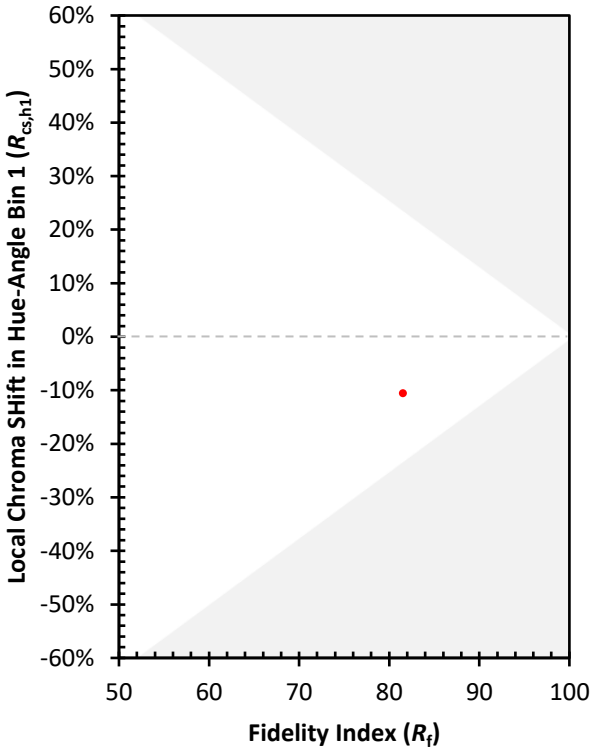
Measure Comparisons





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