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: P319532

Luminaire Tested: **GLEON-SA8C-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:	P319532
	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-SA8C-830-U-SL2
Description:	GALLEON AREA AND ROADWAY LUMINAIRE
	(8) 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:	44129 lumens
Efficiency:	N/A
Efficacy:	99.2 lumens/watt
Luminous Opening:	Rectangular (W 2' x L: 1' x H: 0')
IES Classification:	Type III - Medium
BUG Rating:	B4 - U0 - G5

Input Watts (W):	445
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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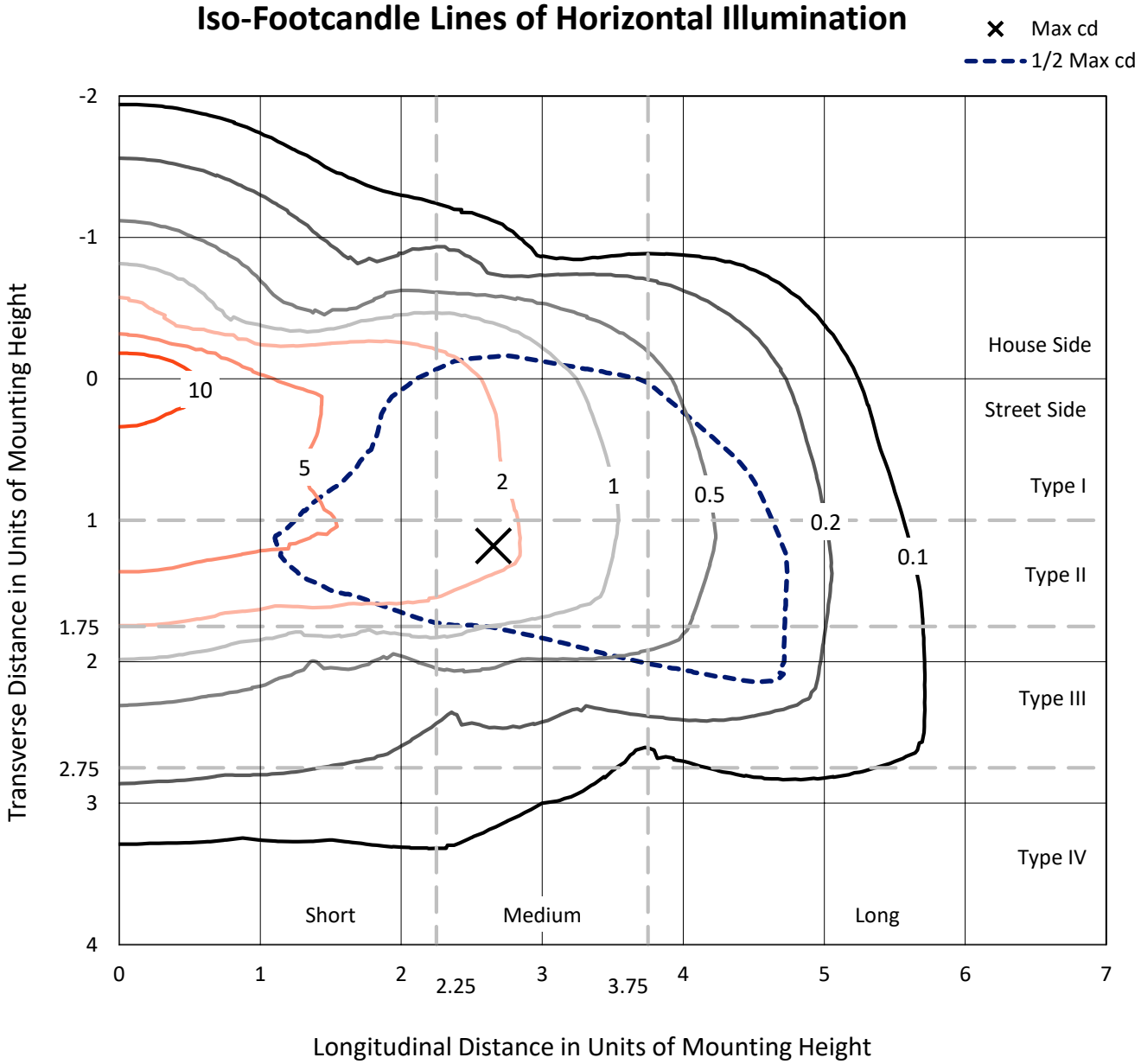
REPORT NUMBER: P319532
CATALOG NUMBER: GLEON-SA8C-830-U-SL2

Iso-Footcandle Lines of Horizontal Illumination



Based on 25 foot mounting height. Maximum calculated value = 16.2 fc
Type III - Medium - N/A

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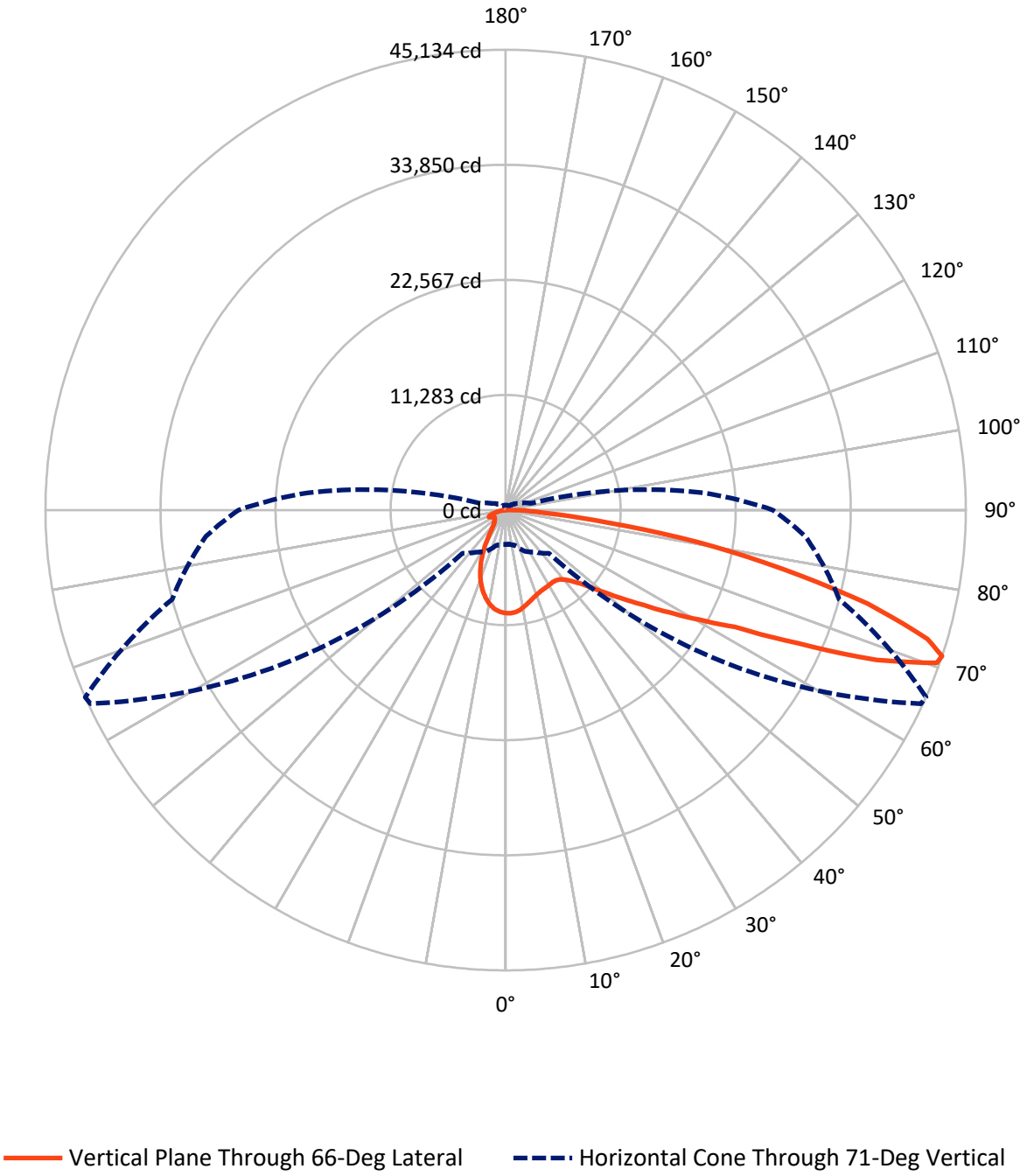
Luminous Intensity Polar Plot



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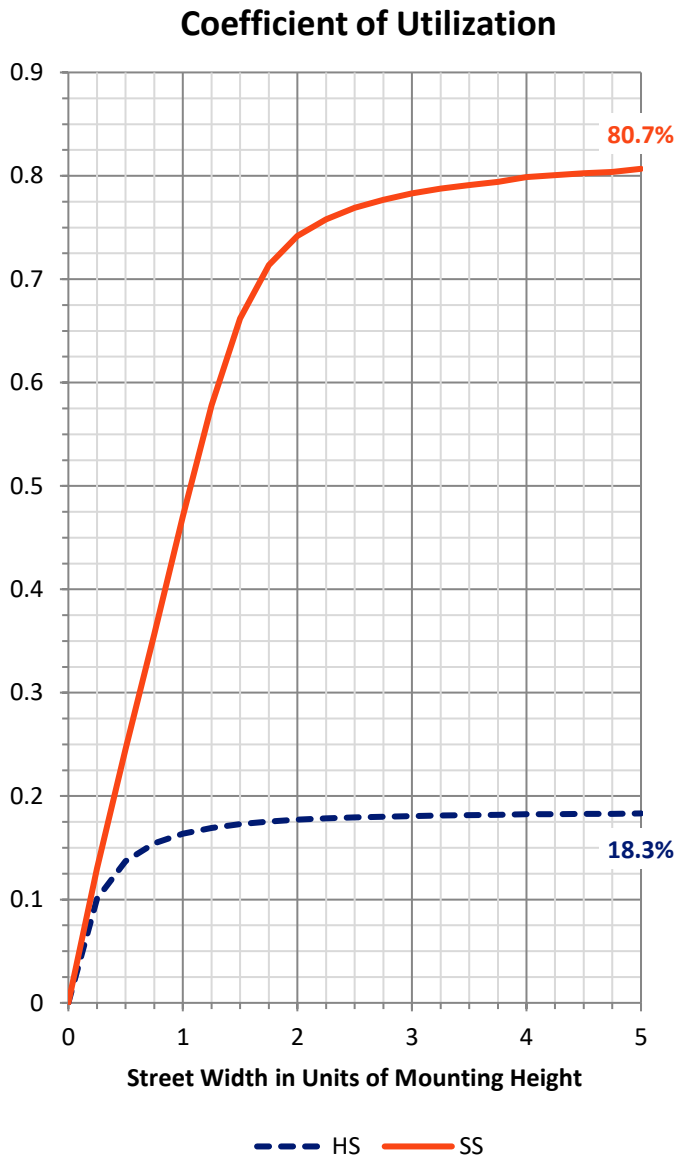
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	8178.3	0.0	8178.3
	% Fixture	18.5	0.0	18.5
Street Side	Lumens	35950.7	0.0	35950.7
	% Fixture	81.5	0.0	81.5
Total	Lumens	44129.0	0.0	44129.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	889.8	2.0
10°-20°	2134.2	4.8
20°-30°	2866.8	6.5
30°-40°	3771.2	8.5
40°-50°	5486.1	12.4
50°-60°	8569.9	19.4
60°-70°	10735.2	24.3
70°-80°	8188.6	18.6
80°-90°	1487.0	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°	44129.0	100.0
0°-180°	44129.0	100.0



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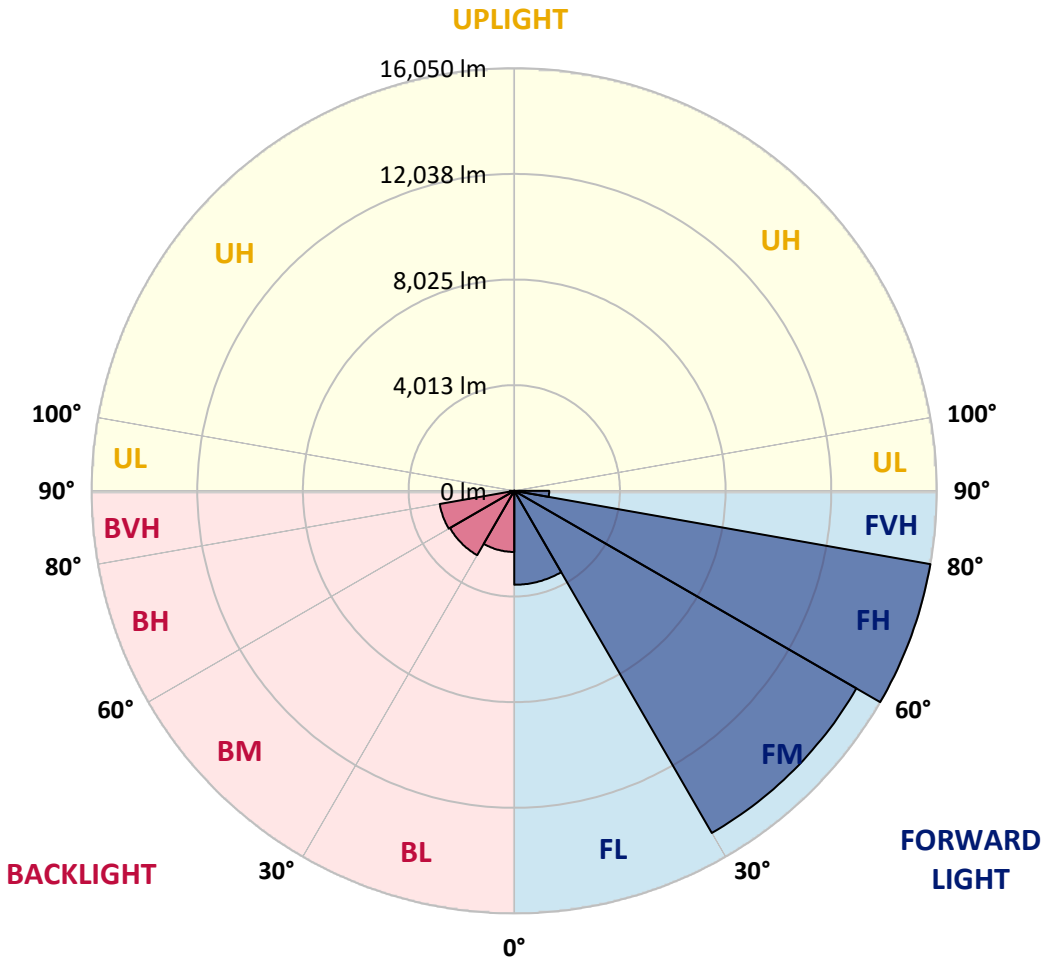
CATALOG NUMBER: GLEON-SA8C-830-U-SL2

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	3568.4	8.1			
FM	(30°-60°)	15006.1	34.0			
FH	(60°-80°)	16050.2	36.4			G5
FVH	(80°-90°)	1326.0	3.0			G5
BL	(0°-30°)	2322.4	5.3	B3/2500		
BM	(30°-60°)	2821.3	6.4	B3/5000		
BH	(60°-80°)	2873.7	6.5	B4/5000		G4/5000
BVH	(80°-90°)	161.0	0.4			G2/225
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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Scaled Data Report

REPORT NUMBER: P319532
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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	66°	75°	85°
0°	10109.1	10109.1	10109.1	10109.1	10109.1	10109.1	10109.1	10109.1	*10109.1*	10109.1	10109.1
2.5°	9921.7	9906.5	9952.2	9999.4	10017.7	10048.2	10093.9	10119.8	*10118.2*	10122.8	10107.6
5°	9263.5	9243.7	9335.1	9409.8	9553.0	9714.5	9911.0	10051.2	*10054.2*	10133.5	10154.8
7.5°	8640.3	8626.6	8731.8	8852.1	9018.2	9265.0	9583.5	9885.1	*9903.4*	10118.2	10192.9
10°	8140.6	8137.6	8239.6	8370.7	8564.2	8839.9	9205.6	9647.4	*9674.9*	10045.1	10199.0
12.5°	7750.6	7756.7	7845.0	7994.3	8198.5	8486.5	8882.6	9380.8	*9425.0*	9929.3	10163.9
15°	7462.6	7487.0	7558.6	7709.4	7910.5	8203.1	8609.9	9134.0	*9201.0*	9799.8	10144.1
17.5°	7298.1	7325.5	7375.8	7500.7	7689.6	7971.5	8357.0	8931.4	*8992.3*	9700.8	10145.7
20°	7249.3	7272.2	7301.1	7377.3	7537.3	7793.2	8157.4	8748.5	*8814.0*	9621.5	10160.9
22.5°	7345.3	7362.0	7365.1	7359.0	7456.5	7665.2	8012.6	8614.4	*8684.5*	9569.7	10171.6
25°	7551.0	7573.8	7557.1	7500.7	7468.7	7596.7	7938.0	8526.1	*8596.2*	9531.7	10150.2
27.5°	7860.3	7863.3	7849.6	7776.5	7625.6	7604.3	7915.1	8474.3	*8541.3*	9487.5	10106.1
30°	8280.8	8300.6	8276.2	8177.2	7930.3	7726.2	7942.5	8424.0	*8484.9*	9431.1	10034.4
32.5°	8772.9	8821.7	8820.1	8716.5	8363.1	7998.9	8055.3	8393.5	*8440.8*	9371.7	9947.6
35°	9283.3	9350.3	9475.3	9431.1	8993.8	8430.1	8271.6	8442.3	*8474.3*	9364.1	9886.7
37.5°	9813.5	9880.6	10138.0	10256.9	9745.0	9047.1	8612.9	8614.4	*8629.7*	9457.0	9882.1
40°	10368.1	10439.7	10826.7	11136.0	10718.5	9828.8	9162.9	8974.0	*8957.3*	9685.5	9972.0
42.5°	11145.1	11209.1	11673.8	12068.5	11798.8	10829.8	9923.2	9528.6	*9493.6*	10133.5	10259.9
45°	12127.9	12182.7	12676.4	13098.4	12959.8	11972.5	10878.5	10291.9	*10285.8*	10880.0	10843.5
47.5°	13296.5	13339.1	13782.5	14190.8	14241.1	13287.3	12079.1	11469.7	*11370.6*	11903.9	11747.0
50°	14513.8	14561.1	14862.7	15301.5	15674.8	15047.1	13624.0	12912.5	*12780.0*	13255.3	13026.8
52.5°	15319.8	15382.3	15644.3	16200.5	17286.8	16976.0	15450.8	14661.6	*14460.5*	14893.2	14718.0
55°	14960.2	15100.4	15501.1	16392.4	18575.8	19922.6	17704.3	16701.7	*16474.7*	16834.3	16730.7
57.5°	13325.4	13517.4	14064.4	15440.2	18757.1	22518.8	21111.0	19104.4	*18944.5*	18840.9	18888.1
60°	10337.6	10522.0	11200.0	12993.3	17494.0	24414.2	26238.0	22066.3	*21834.7*	20855.1	20897.7
62.5°	7316.3	7223.4	7688.1	8999.9	14215.2	24636.6	32071.8	26027.7	*25265.9*	22982.0	22794.6
65°	5579.4	5558.1	5766.8	6184.3	8609.9	21974.9	35547.2	32685.8	*31495.9*	25483.8	25041.9
67.5°	4584.5	4546.4	4752.1	5360.0	5544.4	14177.1	35623.3	40410.5	*39241.9*	28598.0	27641.2
70°	3769.4	3726.7	3918.7	4703.4	5123.9	7189.9	29981.4	44934.1	*44871.6*	32541.1	29603.6
71°	*3379.3*	*3348.9*	*3578.9*	*4450.4*	*5034.0*	*5992.3*	*25886.0*	*44946.3*	*45133.7*	*33875.8*	*29487.8*
72.5°	2751.6	2762.3	3006.1	3961.4	4966.9	5291.5	19025.2	42851.3	*43247.4*	35148.0	28435.0
75°	1828.3	1837.5	2157.4	3047.2	4816.1	5177.2	10456.5	35957.0	*36685.3*	34386.2	25946.9
77.5°	1228.0	1225.0	1442.9	2090.4	4196.0	5177.2	6131.0	26893.1	*27693.0*	27360.8	20003.4
80°	845.6	839.5	993.4	1442.9	3176.7	5239.7	4739.9	18847.0	*19089.2*	14775.9	8129.9
82.5°	518.0	522.6	649.1	1019.3	2162.0	4715.5	4474.8	10276.7	*10013.1*	4144.2	2031.0
85°	297.1	295.6	414.4	690.2	1388.0	3979.6	4363.6	4423.0	*4057.4*	1247.8	734.4
87.5°	106.7	114.3	222.4	382.4	795.3	2771.4	3702.4	2300.6	*2073.6*	563.7	332.1
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: P319532
CATALOG NUMBER: GLEON-SA8C-830-U-SL2

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	10109.1	10109.1	10109.1	10109.1	10109.1	10109.1	10109.1	10109.1	10109.1	10109.1	10109.1
2.5°	10096.9	10106.1	10095.4	10034.4	9982.6	9898.8	9851.6	9786.1	9766.3	9757.1	9781.5
5°	10135.0	10138.0	10048.2	9888.2	9708.4	9496.6	9344.3	9156.8	9068.5	9030.4	9054.8
7.5°	10170.0	10156.3	9959.8	9653.5	9321.4	8952.7	8625.1	8325.0	8149.7	8078.1	8084.2
10°	10174.6	10116.7	9801.3	9327.5	8812.5	8271.6	7768.8	7305.7	7013.1	6822.7	6880.6
12.5°	10127.4	10029.9	9568.2	8905.5	8190.9	7453.5	6773.9	6079.2	5661.7	5468.2	5474.3
15°	10090.8	9914.1	9281.8	8408.8	7448.9	6472.3	5544.4	4727.7	4282.8	4084.8	3991.8
17.5°	10060.3	9789.1	8949.6	7849.6	6572.8	5334.1	4218.9	3490.6	3246.8	3188.9	3164.5
20°	10017.7	9656.6	8579.4	7202.1	5574.9	4060.4	3080.7	2721.2	2722.7	2789.7	2798.9
22.5°	9958.3	9505.8	8184.8	6475.3	4503.8	2957.3	2414.9	2311.3	2416.4	2544.4	2567.3
25°	9869.9	9327.5	7746.0	5672.4	3434.2	2273.2	2063.0	2058.4	2186.4	2320.4	2340.3
27.5°	9745.0	9094.4	7258.4	4810.0	2530.7	1931.9	1848.1	1880.1	1974.6	2072.1	2079.7
30°	9577.4	8823.2	6720.6	3900.4	1983.7	1720.1	1711.0	1740.0	1797.9	1866.4	1872.5
32.5°	9393.0	8547.4	6146.2	3019.8	1698.8	1605.9	1615.0	1628.7	1656.2	1683.6	1689.7
35°	9225.4	8265.5	5558.1	2294.5	1563.2	1531.2	1525.1	1522.1	1525.1	1516.0	1517.5
37.5°	9117.2	8032.4	4945.6	1826.8	1485.5	1465.7	1447.4	1424.6	1398.7	1383.4	1386.5
40°	9077.6	7858.7	4325.5	1578.5	1421.5	1407.8	1372.8	1324.0	1293.5	1284.4	1284.4
42.5°	9184.3	7768.8	3726.7	1453.5	1368.2	1345.3	1287.4	1231.1	1208.2	1206.7	1205.2
45°	9510.3	7805.4	3156.9	1385.0	1319.4	1275.3	1199.1	1151.8	1136.6	1139.7	1138.1
47.5°	10095.4	8035.5	2669.4	1339.2	1270.7	1212.8	1127.5	1089.4	1071.1	1071.1	1072.6
50°	11090.3	8573.3	2280.8	1301.2	1229.5	1154.9	1075.7	1028.4	1004.1	1002.5	1002.5
52.5°	12539.2	9536.2	2038.6	1269.2	1183.8	1103.1	1023.9	964.4	935.5	929.4	926.4
55°	14355.4	10916.6	1971.5	1247.8	1122.9	1046.7	961.4	902.0	870.0	856.3	854.7
57.5°	16386.3	12595.6	2104.1	1221.9	1060.4	979.7	892.8	836.5	802.9	786.2	784.7
60°	18441.7	14428.5	2645.0	1185.4	1008.6	906.5	822.7	770.9	737.4	719.1	716.1
62.5°	20500.1	16360.4	3749.6	1182.3	972.1	836.5	751.1	707.0	675.0	655.1	650.6
65°	22822.0	18475.2	5005.0	1263.1	959.9	772.5	678.0	643.0	615.5	597.3	595.7
67.5°	25488.3	20862.7	4884.7	1429.1	1001.0	714.6	609.4	582.0	562.2	547.0	545.4
70°	26739.2	20489.4	3036.5	1546.5	1058.9	658.2	543.9	524.1	508.9	498.2	493.6
71°	*26215.1*	*19454.9*	*2545.9*	*1532.7*	*1052.8*	*633.8*	*518.0*	*502.8*	*487.6*	*478.4*	*473.8*
72.5°	24786.0	17742.3	2123.9	1426.1	984.2	589.6	484.5	469.3	455.6	444.9	441.8
75°	22241.5	15845.5	1700.3	1139.7	784.7	498.2	425.1	408.3	397.7	391.6	385.5
77.5°	16349.8	11308.2	1314.9	900.4	577.4	406.8	362.6	350.4	339.8	330.6	326.1
80°	6263.5	4380.4	885.2	671.9	423.6	321.5	292.5	286.4	275.8	269.7	269.7
82.5°	1686.6	1308.8	472.3	406.8	283.4	234.6	224.0	220.9	211.8	199.6	201.1
85°	682.6	577.4	265.1	224.0	173.7	138.6	150.8	152.4	141.7	126.5	128.0
87.5°	300.1	245.3	147.8	99.0	76.2	53.3	68.6	68.6	62.5	51.8	47.2
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

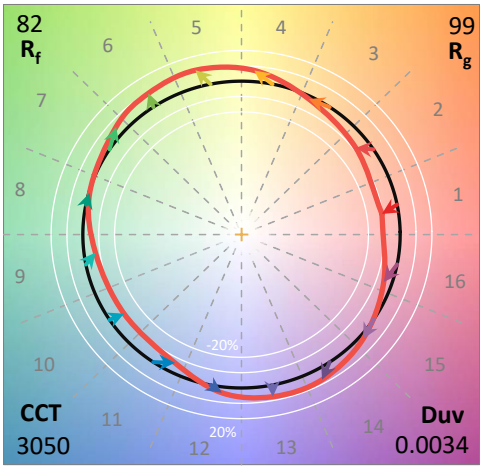
Test Information

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

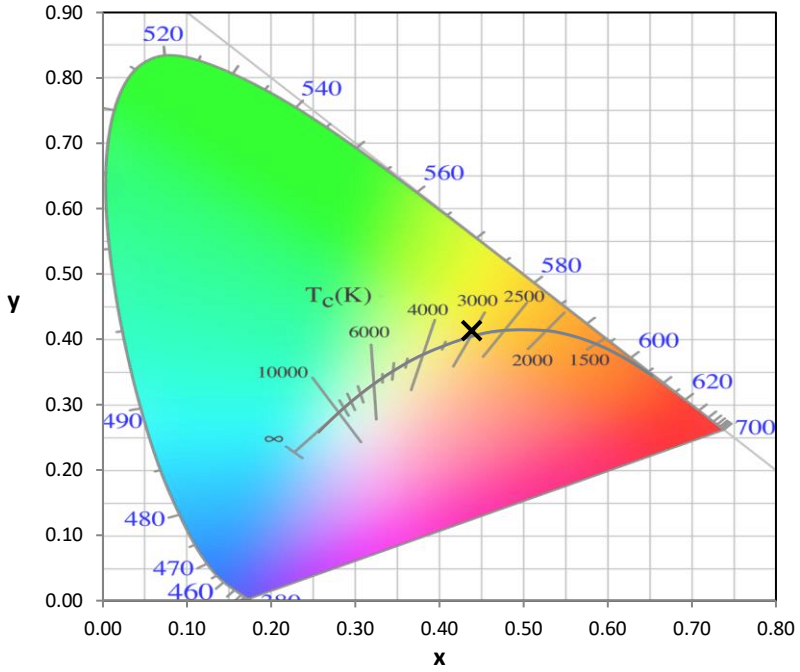
Stabilization Time:	20M
Operation Time:	1H 20M
Sphere Temperature (°C):	24.2

REPORT NUMBER: SP1-2408-195-9

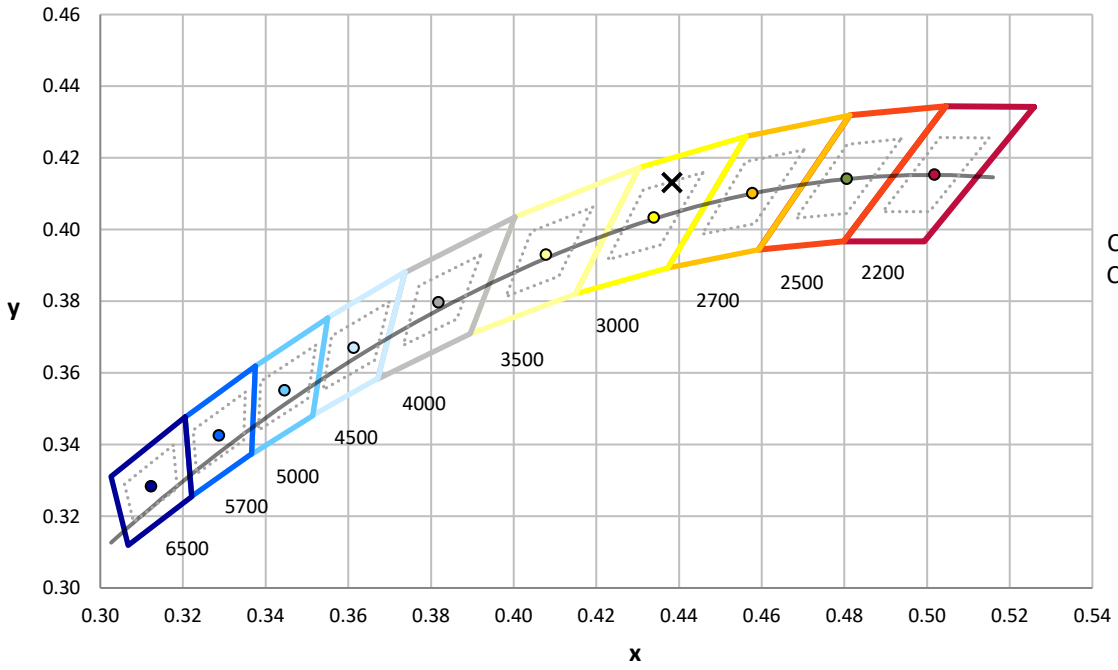
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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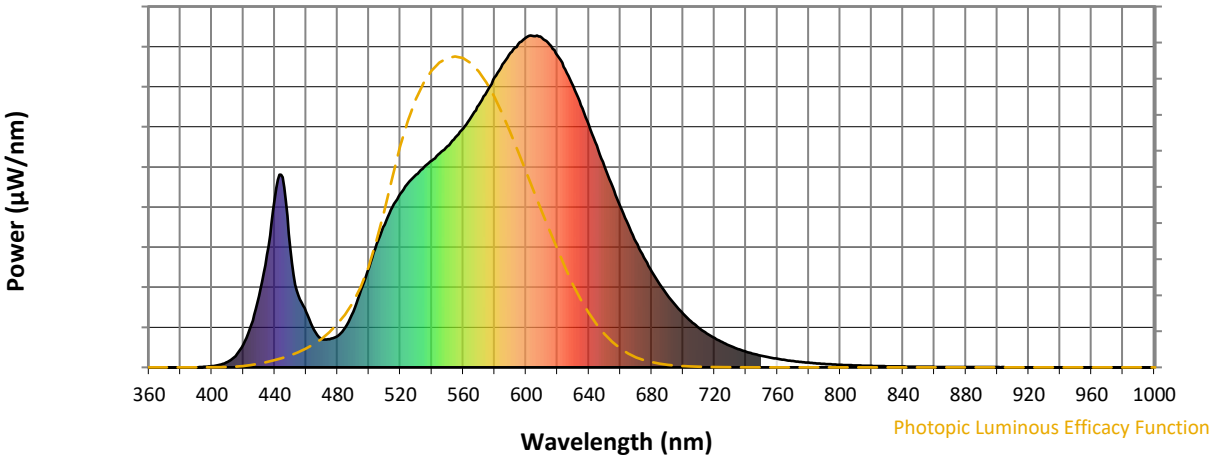
Photopic Flux vs. Wavelength



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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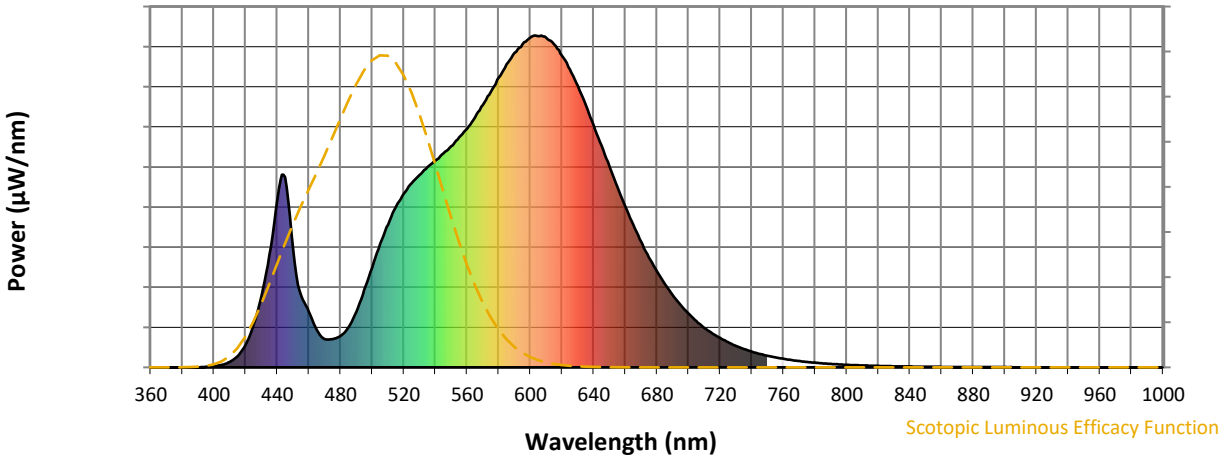
Scotopic Flux vs. Wavelength



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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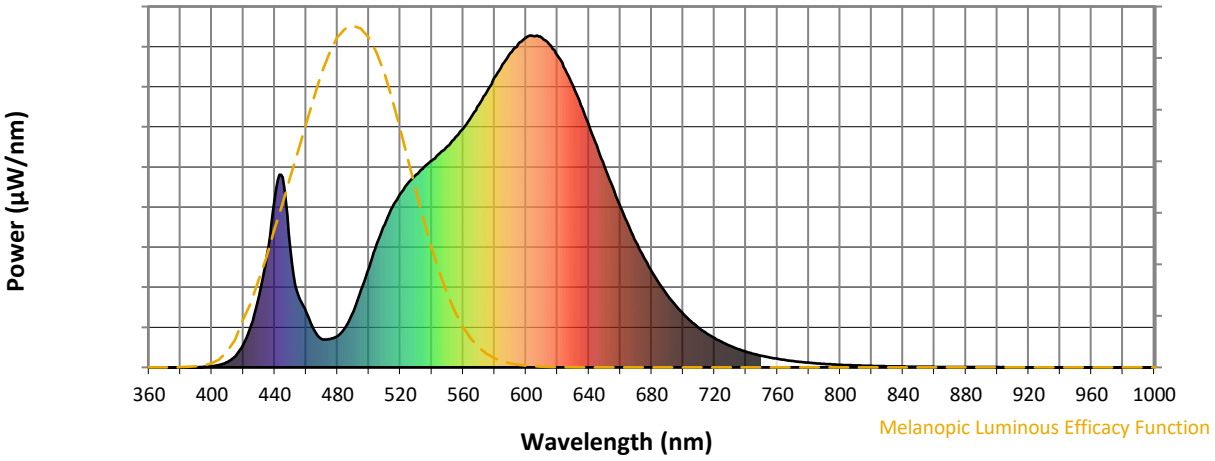
Melanopic Flux vs. Wavelength



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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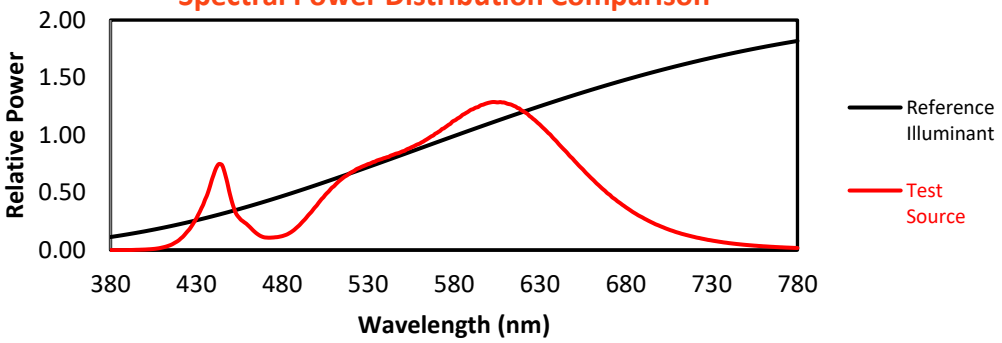
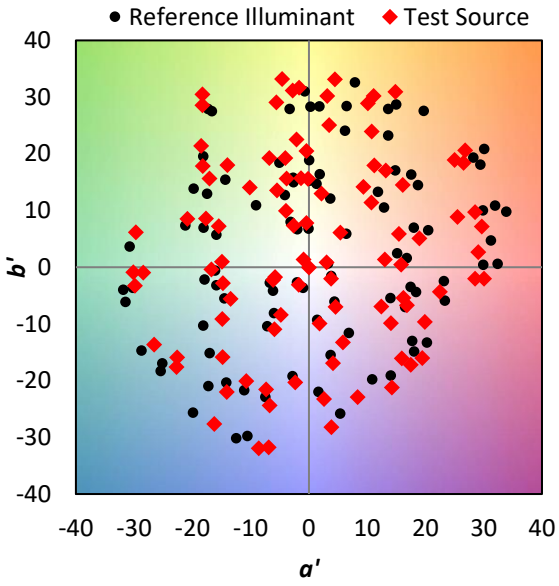
Summary

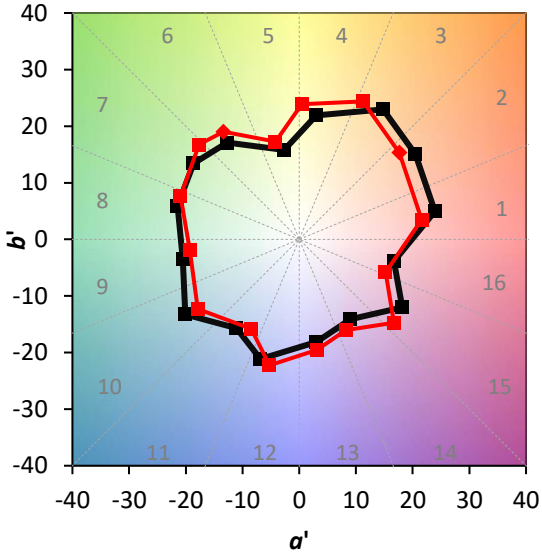
R_f = 81.5
R_g = 99.2
CIE R_a = 81.0
R_9 = 7.1

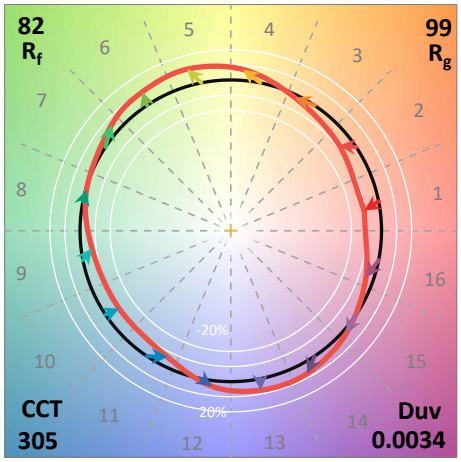
Spectral Power Distribution Comparison

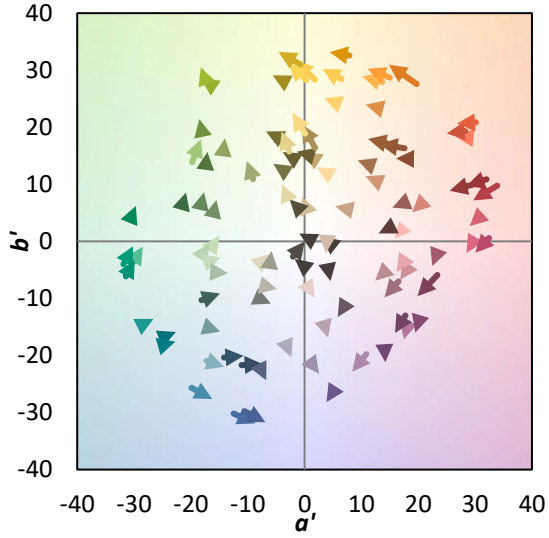


Color Vector Graphics









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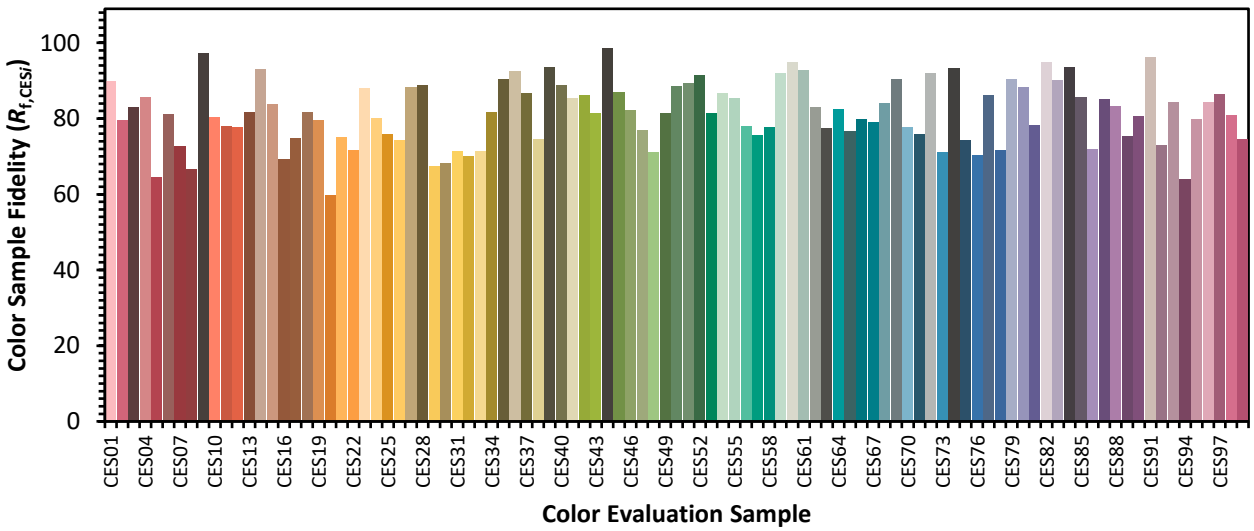
Individual Sample Fidelity Index ($R_{f,i}$)

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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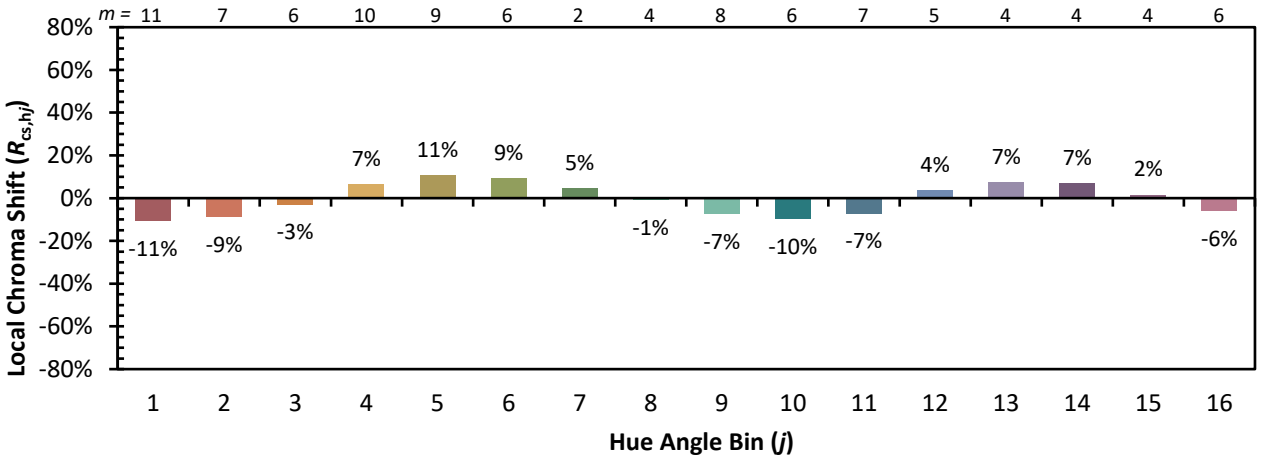
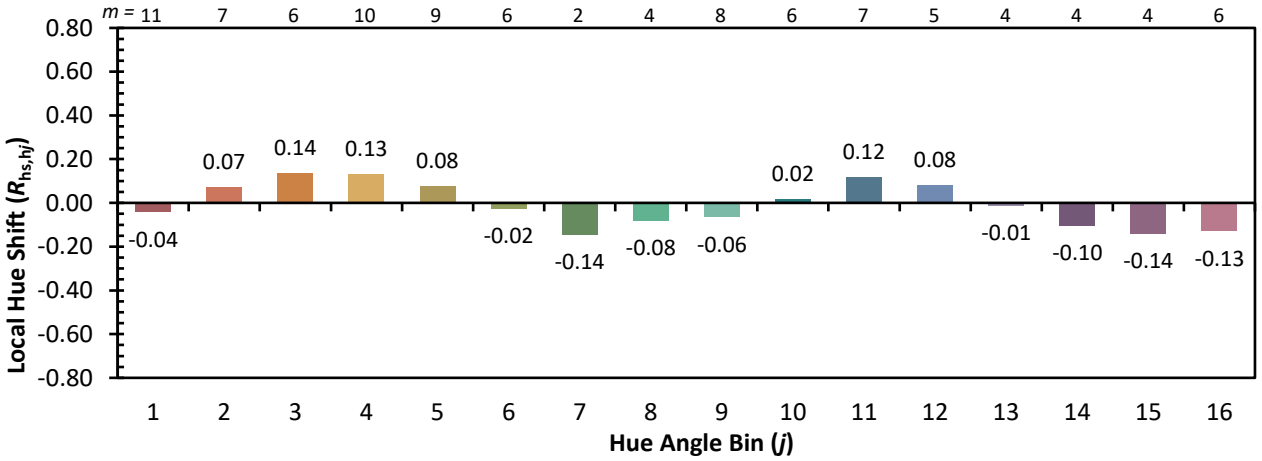
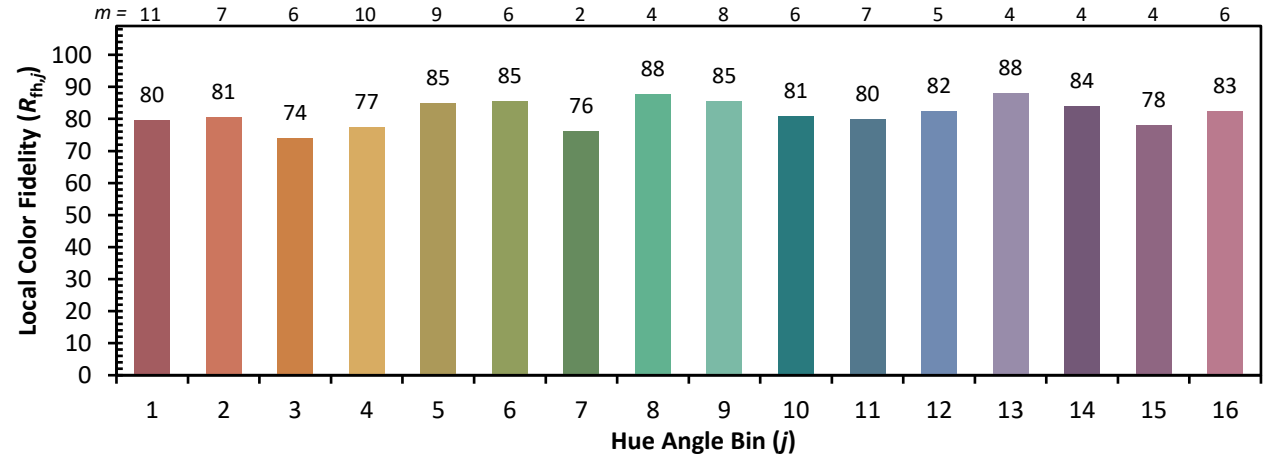
Color Rendition by Hue-Angle Bin







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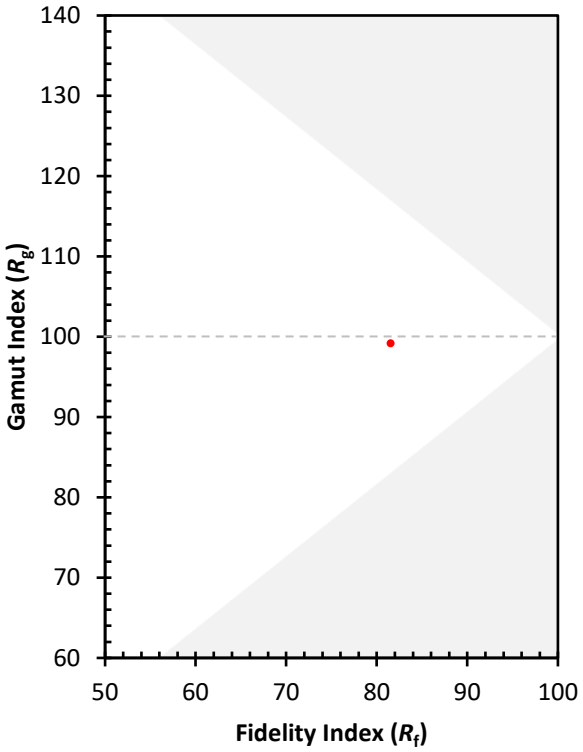
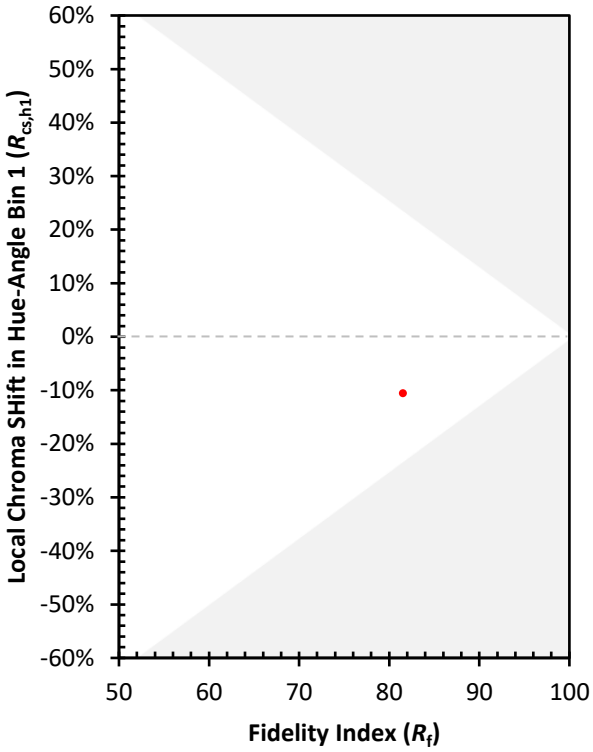
Measure Comparisons





(END OF REPORT)