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: P319210

Luminaire Tested: **GLEON-SA6C-830-U-T4W**

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:	P319210
	TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-18)
Test Lab:	INNOVATION CENTER
Issue Date:	3/3/2020
Manufacturer:	COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line:	McGRAW-EDISON
Catalog Number:	GLEON-SA6C-830-U-T4W
Description:	GALLEON AREA AND ROADWAY LUMINAIRE
	(6) 80 CRI, 3000K, 1050mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE IV WIDE OPTICS
Light Source:	-
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	33381 lumens
Efficiency:	N/A
Efficacy:	100.2 lumens/watt
Luminous Opening:	Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification:	Type IV - Short
BUG Rating:	B3 - U0 - G5

Input Watts (W):	333
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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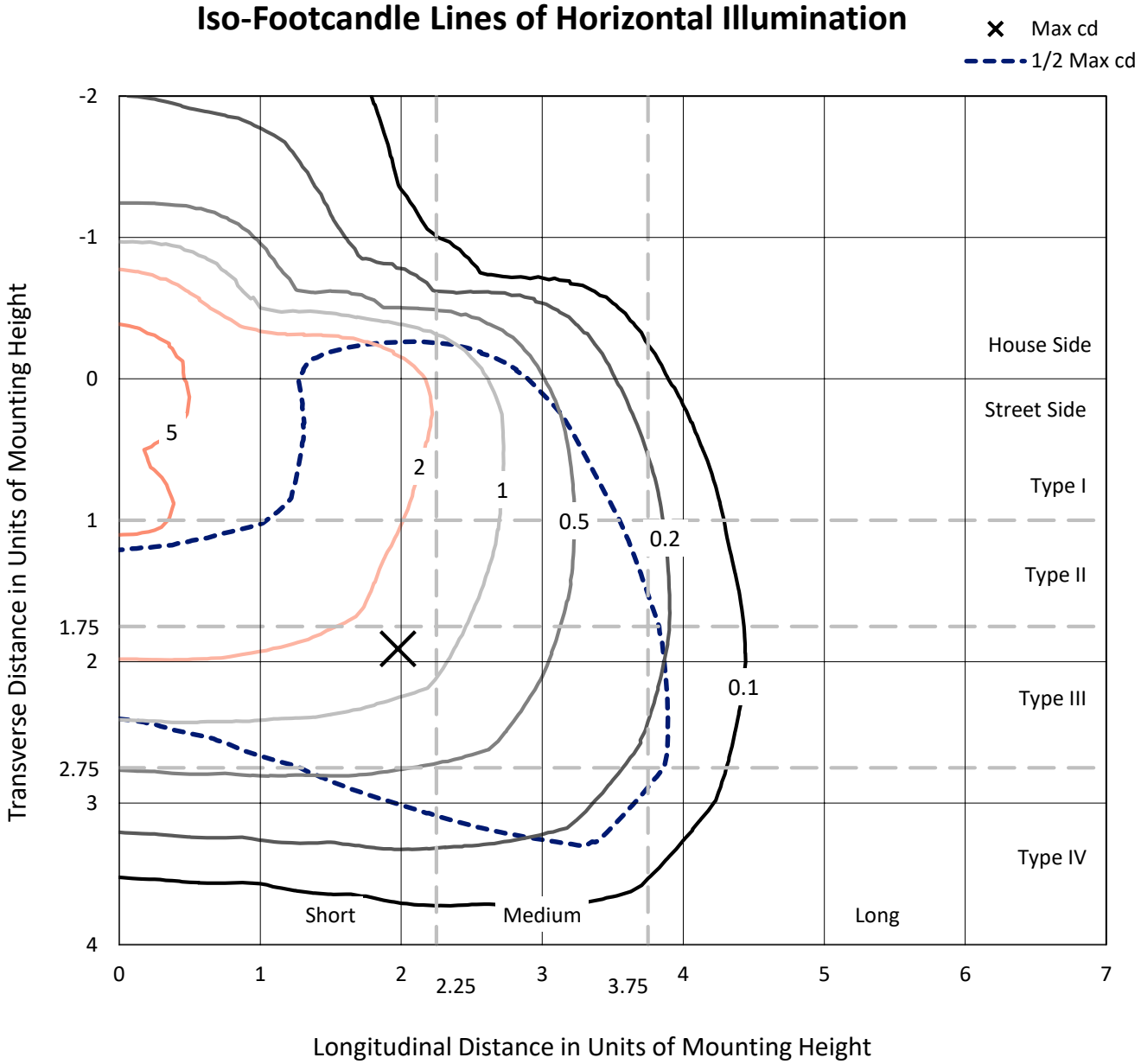
REPORT NUMBER: P319210
CATALOG NUMBER: GLEON-SA6C-830-U-T4W

Iso-Footcandle Lines of Horizontal Illumination



Based on 25 foot mounting height. Maximum calculated value = 6.8 fc
Type IV - Short - N/A

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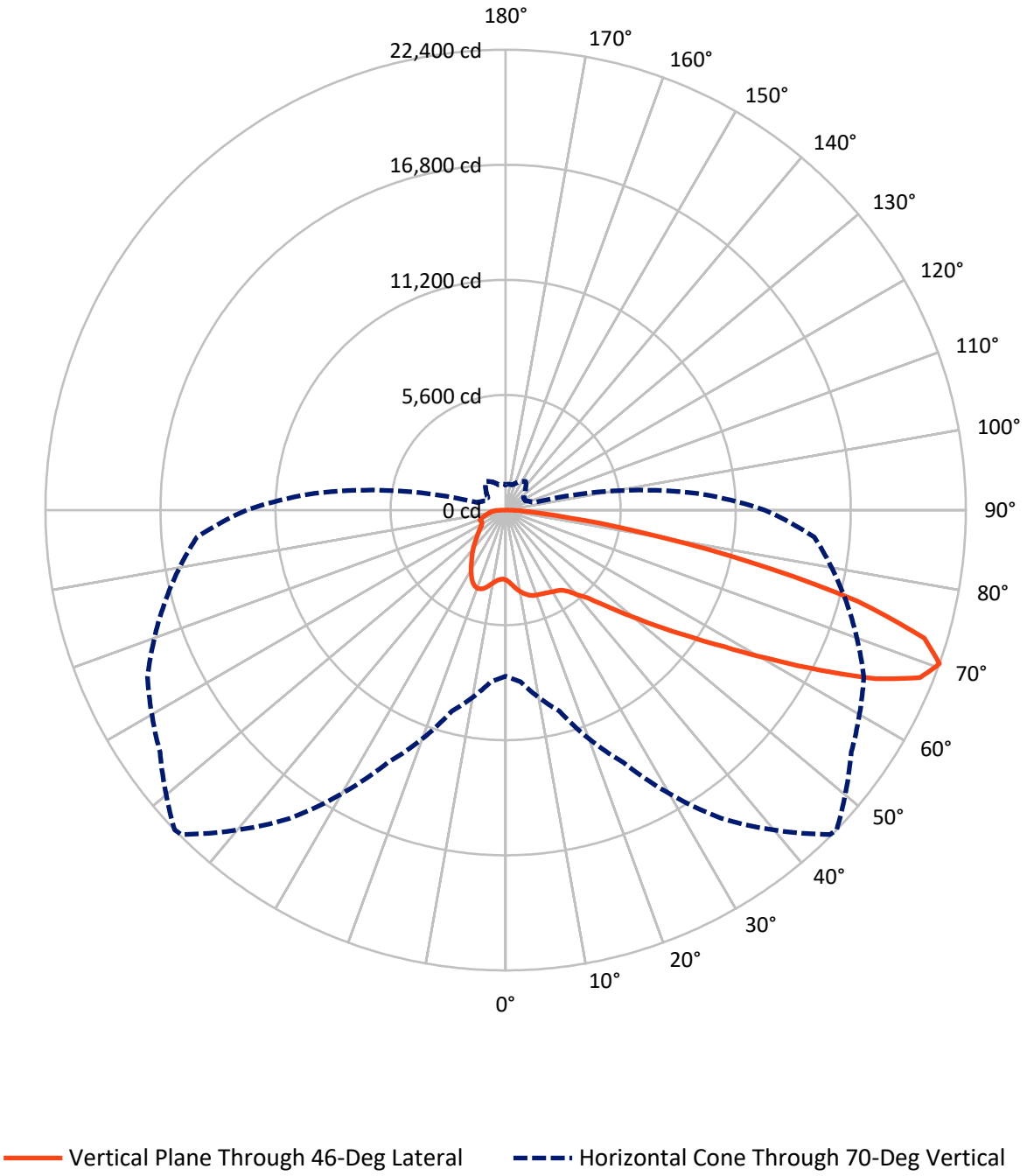
Luminous Intensity Polar Plot



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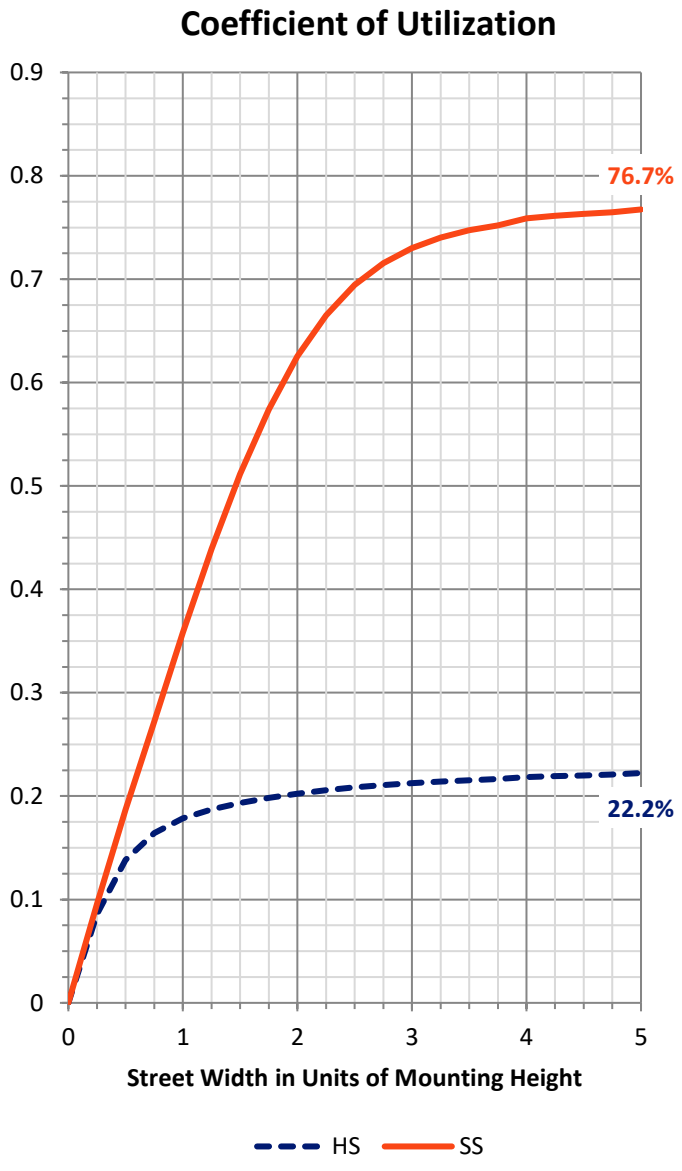
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	7650.8	0.0	7650.8
	% Fixture	22.9	0.0	22.9
Street Side	Lumens	25730.2	0.0	25730.2
	% Fixture	77.1	0.0	77.1
Total	Lumens	33381.0	0.0	33381.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	346.7	1.0
10°-20°	1155.1	3.5
20°-30°	1926.0	5.8
30°-40°	2733.1	8.2
40°-50°	4020.2	12.0
50°-60°	6808.2	20.4
60°-70°	9664.1	29.0
70°-80°	5871.0	17.6
80°-90°	856.8	2.6
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	33381.0	100.0
0°-180°	33381.0	100.0



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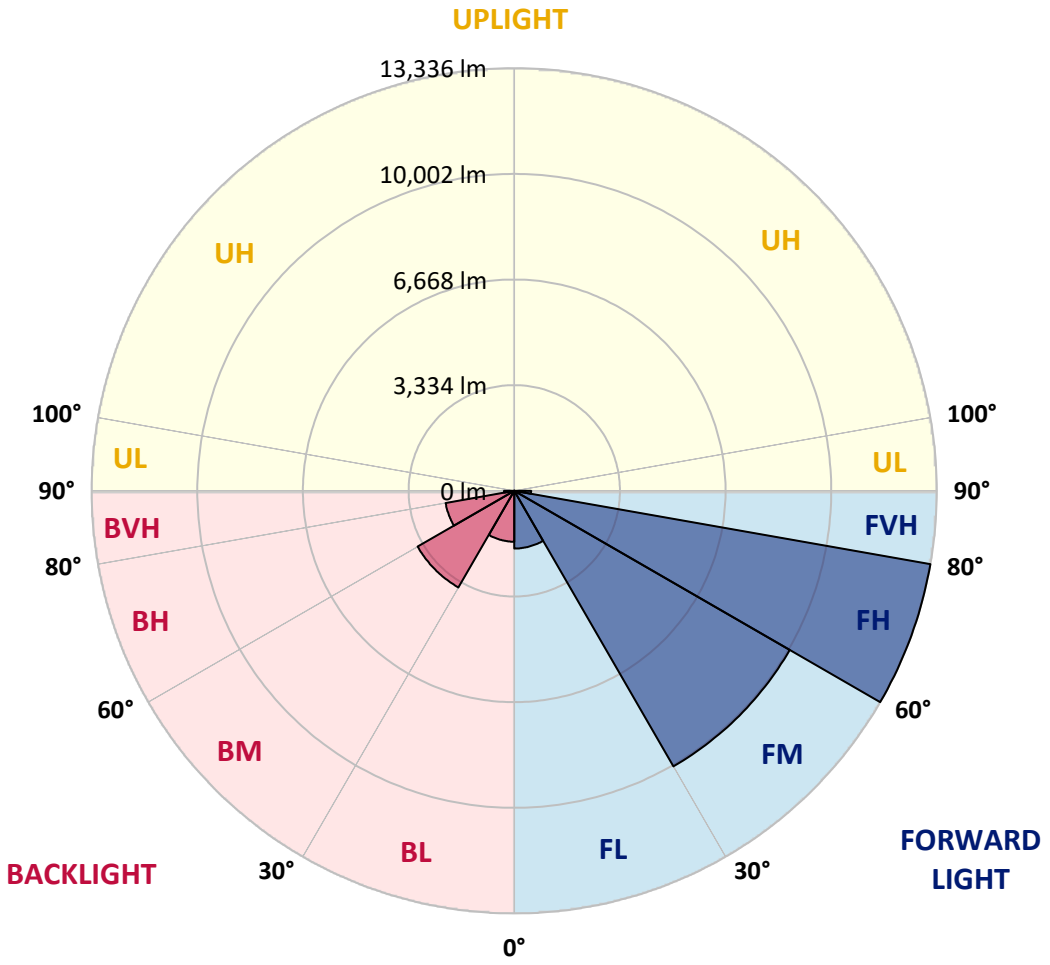
REPORT NUMBER: P319210
CATALOG NUMBER: GLEON-SA6C-830-U-T4W

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	1821.4	5.5			
FM	(30°-60°)	10039.5	30.1			
FH	(60°-80°)	13335.5	39.9			G5
FVH	(80°-90°)	533.7	1.6			G4/750
BL	(0°-30°)	1606.3	4.8	B3/2500		
BM	(30°-60°)	3521.9	10.6	B3/5000		
BH	(60°-80°)	2199.5	6.6	B3/2500		G3/2500
BVH	(80°-90°)	323.1	1.0			G3/500
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G5
Type IV Short



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Scaled Data Report

REPORT NUMBER: P319210
CATALOG NUMBER: GLEON-SA6C-830-U-T4W

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	46°	55°	65°	75°	85°
0°	3400.9	3400.9	3400.9	3400.9	3400.9	3400.9	*3400.9*	3400.9	3400.9	3400.9	3400.9
2.5°	3571.1	3573.4	3577.9	3566.5	3534.5	3525.4	*3522.0*	3488.8	3467.1	3435.1	3407.7
5°	3856.7	3859.0	3852.1	3820.1	3749.3	3696.7	*3692.2*	3616.8	3548.2	3475.1	3420.3
7.5°	4154.8	4158.3	4136.6	4076.0	3976.6	3885.2	*3879.5*	3776.7	3672.8	3561.9	3479.7
10°	4418.7	4405.0	4369.6	4285.1	4167.4	4055.5	*4050.9*	3943.5	3823.6	3689.9	3580.2
12.5°	4594.7	4583.2	4537.5	4434.7	4305.6	4202.8	*4193.7*	4094.3	3977.8	3831.5	3700.2
15°	4691.8	4699.8	4638.1	4521.5	4395.9	4309.1	*4301.1*	4230.2	4126.3	3978.9	3828.1
17.5°	4704.3	4711.2	4651.8	4536.4	4433.6	4374.2	*4370.8*	4323.9	4248.5	4106.9	3949.2
20°	4631.2	4635.8	4586.7	4491.8	4424.4	4406.2	*4405.0*	4384.5	4328.5	4202.8	4049.7
22.5°	4525.0	4528.4	4493.0	4424.4	4401.6	4430.2	*4438.2*	4430.2	4390.2	4272.5	4128.6
25°	4498.7	4496.4	4459.9	4390.2	4409.6	4470.1	*4480.4*	4483.8	4456.4	4353.6	4229.1
27.5°	4625.5	4617.5	4547.8	4435.9	4448.4	4521.5	*4535.3*	4568.4	4551.2	4461.0	4343.3
30°	4992.2	4978.5	4835.7	4609.5	4547.8	4585.5	*4602.7*	4655.2	4658.6	4583.2	4495.3
32.5°	5611.4	5594.2	5338.4	4933.9	4715.8	4650.6	*4666.6*	4745.5	4787.7	4729.5	4634.6
35°	6393.9	6374.5	6038.6	5485.7	4996.8	4775.2	*4786.6*	4849.4	4933.9	4851.7	4726.0
37.5°	7209.6	7162.7	6839.4	6134.6	5443.4	5041.3	*5041.3*	5049.3	5089.3	4918.0	4833.4
40°	8020.7	7973.8	7681.4	6897.7	6021.5	5460.6	*5434.3*	5257.2	5225.3	5077.9	5049.3
42.5°	8774.6	8760.9	8588.4	7760.2	6700.1	5873.0	*5836.4*	5536.0	5542.8	5451.4	5452.6
45°	9576.6	9576.6	9436.1	8630.7	7490.6	6535.6	*6499.0*	6056.9	6125.5	6083.2	6184.9
47.5°	10231.2	10251.7	10232.3	9537.7	8410.2	7377.5	*7311.2*	6778.9	6970.8	7115.9	7411.8
50°	10899.5	10931.5	10934.9	10532.8	9521.8	8378.2	*8302.8*	7737.4	8165.7	8581.6	9163.0
52.5°	11869.3	11941.3	11654.6	11525.5	10883.5	9566.3	*9492.1*	8970.0	9685.1	10268.9	11270.7
55°	12768.4	12705.6	12501.1	12581.1	12341.2	10918.9	*10862.9*	10404.8	11378.1	12136.7	13437.8
57.5°	13255.1	13250.5	13456.1	13798.8	13913.1	12586.8	*12539.9*	12094.4	13287.0	13857.1	15472.4
60°	13826.2	13834.2	14343.7	15121.7	15592.4	14663.6	*14643.0*	14304.9	15141.1	15463.3	17068.3
62.5°	13906.2	14050.2	14927.5	16266.4	17164.3	17090.0	*17135.7*	16296.1	16799.9	16745.0	18259.8
65°	12986.6	13176.2	14764.1	16612.5	18727.1	19743.8	*19786.1*	18298.7	18107.9	17840.6	18685.9
67.5°	11101.7	11382.7	13107.7	15859.7	19242.3	21705.3	*21764.7*	19851.2	19193.2	18211.9	17660.1
70°	*8078.9*	*8390.8*	*10127.2*	*13545.2*	*18323.8*	*22332.4*	*22399.8*	*20537.7*	*19234.3*	*17155.1*	*15076.0*
72.5°	4880.3	5124.7	6556.1	9971.9	15465.6	21190.0	*21310.0*	19667.2	17560.7	14531.1	11132.5
75°	2143.1	2303.0	3170.1	5746.2	11072.0	17532.1	*17681.8*	16834.1	14268.3	10560.2	6580.1
77.5°	912.8	958.5	1300.0	2496.1	6259.1	11980.2	*12185.8*	12300.0	9680.5	5746.2	2780.6
80°	568.9	587.2	735.7	1129.8	2929.1	6728.6	*6950.3*	7237.0	4807.1	2112.3	971.0
82.5°	346.1	366.7	488.9	683.1	1525.1	3050.2	*3156.4*	3358.6	1865.5	912.8	502.6
85°	207.9	222.8	299.3	431.8	868.2	1199.5	*1198.4*	1325.2	878.5	587.2	265.0
87.5°	99.4	110.8	159.9	223.9	437.5	450.1	*421.5*	477.5	533.5	385.0	133.7
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-SA6C-830-U-T4W

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	3400.9	3400.9	3400.9	3400.9	3400.9	3400.9	3400.9	3400.9	3400.9	3400.9	3400.9
2.5°	3398.6	3394.0	3379.2	3367.7	3365.5	3358.6	3352.9	3356.3	3360.9	3362.0	3362.0
5°	3397.4	3384.9	3365.5	3357.5	3367.7	3381.5	3398.6	3421.4	3435.1	3445.4	3452.3
7.5°	3452.3	3428.3	3406.6	3402.0	3422.6	3459.1	3498.0	3546.0	3579.1	3601.9	3606.5
10°	3543.7	3514.0	3492.3	3496.8	3533.4	3585.9	3640.8	3702.5	3752.7	3783.6	3785.9
12.5°	3648.8	3620.2	3599.6	3619.1	3679.6	3743.6	3800.7	3854.4	3900.1	3930.9	3930.9
15°	3769.9	3749.3	3725.3	3769.9	3852.1	3909.2	3933.2	3959.5	3984.6	4007.5	4002.9
17.5°	3886.4	3867.0	3854.4	3906.9	3992.6	4018.9	4002.9	3983.5	3983.5	3996.1	3998.3
20°	3986.9	3969.8	3977.8	4029.2	4073.7	4046.3	3986.9	3925.2	3900.1	3906.9	3913.8
22.5°	4074.9	4066.9	4090.9	4114.9	4082.9	3986.9	3877.2	3793.8	3763.0	3760.7	3763.0
25°	4177.7	4176.5	4206.2	4162.8	4021.2	3844.1	3696.7	3615.6	3598.5	3612.2	3635.1
27.5°	4305.6	4318.2	4333.1	4174.3	3895.5	3628.2	3478.6	3422.6	3439.7	3472.8	3494.5
30°	4469.0	4503.3	4471.3	4145.7	3715.0	3381.5	3238.7	3222.7	3269.5	3316.3	3339.2
32.5°	4627.8	4681.5	4603.8	4071.4	3482.0	3119.8	3009.0	3004.5	3061.6	3107.3	3139.3
35°	4755.7	4862.0	4703.2	3924.1	3212.4	2878.8	2797.7	2766.8	2787.4	2841.1	2877.7
37.5°	4922.5	5099.6	4771.7	3699.0	2919.9	2680.0	2585.2	2514.4	2496.1	2517.8	2536.1
40°	5227.5	5461.7	4803.7	3384.9	2634.3	2481.3	2385.3	2281.3	2209.4	2156.8	2158.0
42.5°	5725.6	5933.5	4783.2	3003.3	2370.4	2287.0	2178.5	2058.6	1942.0	1823.2	1814.1
45°	6534.4	6635.0	4721.5	2598.9	2138.5	2083.7	1982.0	1862.1	1706.7	1571.9	1559.4
47.5°	7828.7	7606.0	4625.5	2245.9	1934.1	1911.2	1817.5	1679.3	1514.8	1406.3	1397.1
50°	9593.7	9007.7	4578.7	1964.9	1753.6	1760.4	1683.9	1537.6	1382.3	1302.3	1293.2
52.5°	11704.8	10640.1	4668.9	1747.8	1608.5	1632.5	1575.3	1438.3	1308.0	1245.2	1236.1
55°	13894.8	12330.9	4766.0	1590.2	1471.4	1518.2	1498.8	1385.7	1268.0	1209.8	1201.8
57.5°	15769.4	13593.2	4571.8	1462.2	1349.2	1422.3	1439.4	1352.6	1247.5	1194.9	1185.8
60°	16949.5	14101.6	4062.3	1342.3	1252.1	1345.7	1405.1	1343.4	1255.5	1250.9	1244.1
62.5°	17509.3	14057.0	3298.1	1247.5	1191.5	1312.6	1430.3	1394.8	1346.9	1388.0	1391.4
65°	17258.0	13385.3	2456.1	1184.6	1148.1	1325.2	1505.7	1492.0	1373.1	1414.3	1420.0
67.5°	15603.8	11782.5	1818.7	1129.8	1100.1	1360.6	1642.7	1523.9	1321.7	1351.4	1333.2
70°	*12611.9*	*9341.3*	*1402.8*	*1068.1*	*1051.0*	*1356.0*	*1704.4*	*1504.5*	*1265.8*	*1272.6*	*1223.5*
72.5°	8697.0	6369.9	1141.2	1011.0	980.2	1236.1	1661.0	1456.5	1218.9	1166.4	1101.3
75°	4729.5	3419.1	969.9	951.6	855.6	1085.3	1581.1	1422.3	1176.7	1107.0	1070.4
77.5°	1860.9	1418.8	841.9	870.5	748.3	958.5	1492.0	1357.1	1118.4	1027.0	1008.7
80°	759.7	724.3	698.0	752.8	643.2	838.5	1384.6	1280.6	1048.7	952.7	916.2
82.5°	430.7	450.1	542.6	594.0	522.1	772.3	1333.2	1218.9	965.3	853.4	809.9
85°	220.5	263.9	378.1	426.1	383.8	656.9	1228.1	1067.0	774.5	653.4	656.9
87.5°	106.2	147.4	238.8	267.3	249.0	475.2	917.3	773.4	603.2	477.5	462.7
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

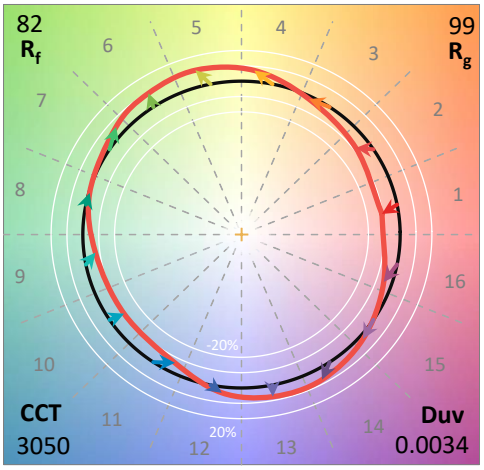
Test Information

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

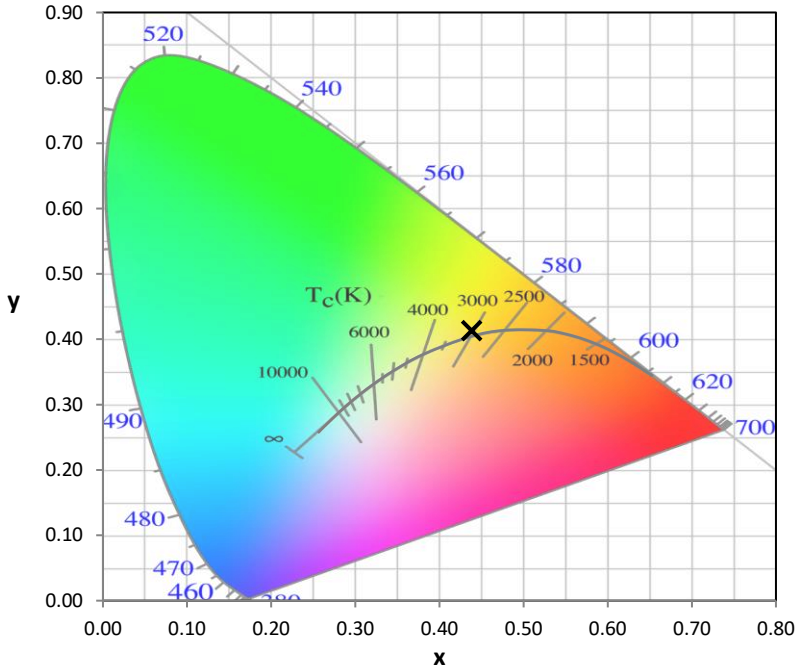
Stabilization Time:	20M
Operation Time:	1H 20M
Sphere Temperature (°C):	24.2

REPORT NUMBER: SP1-2408-195-9

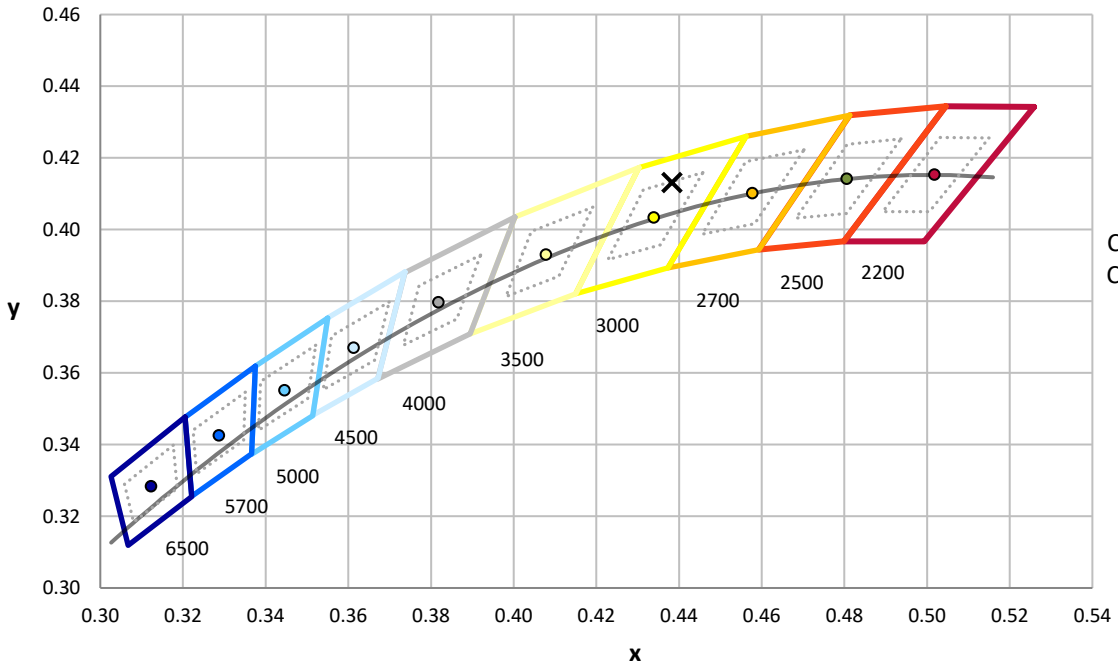
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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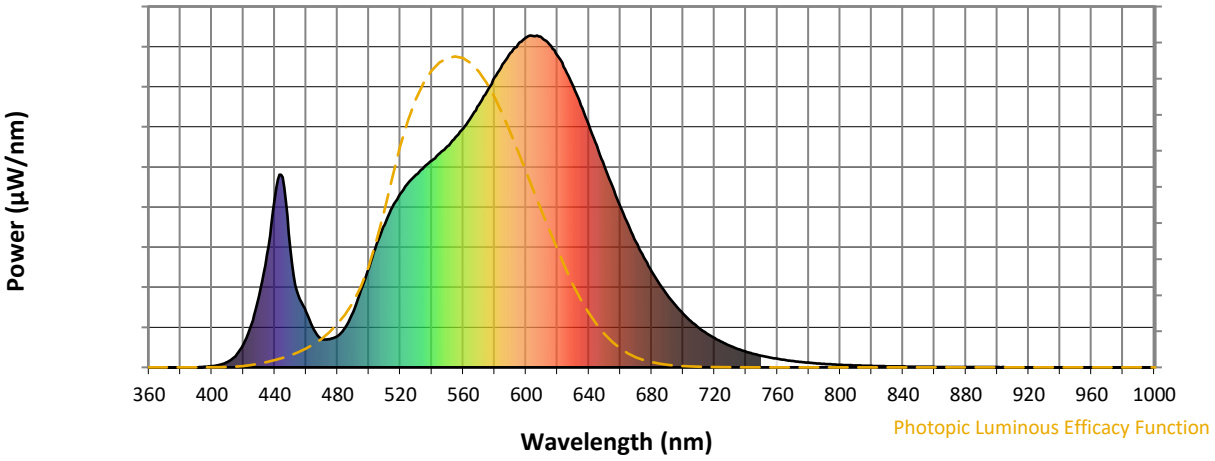
Photopic Flux vs. Wavelength



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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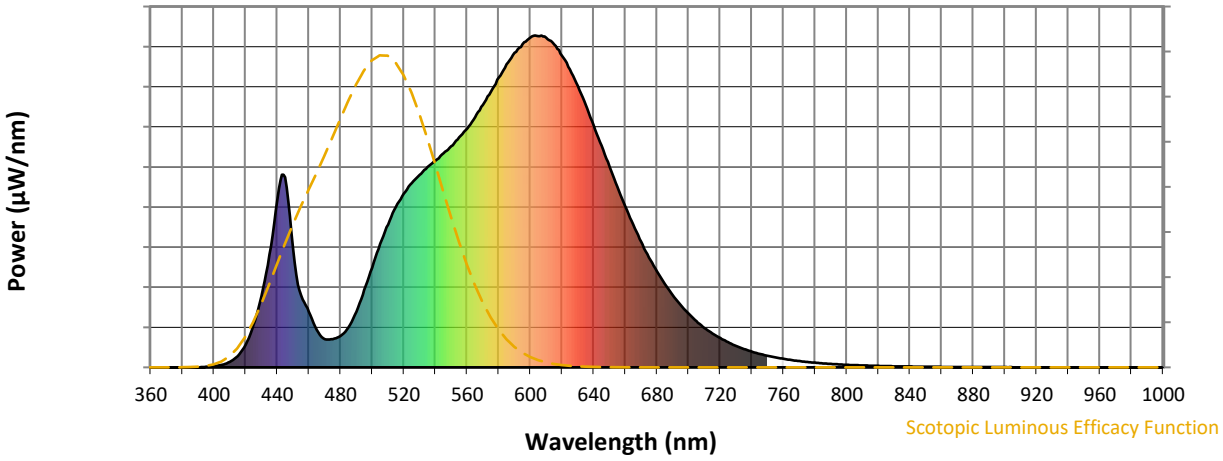
Scotopic Flux vs. Wavelength



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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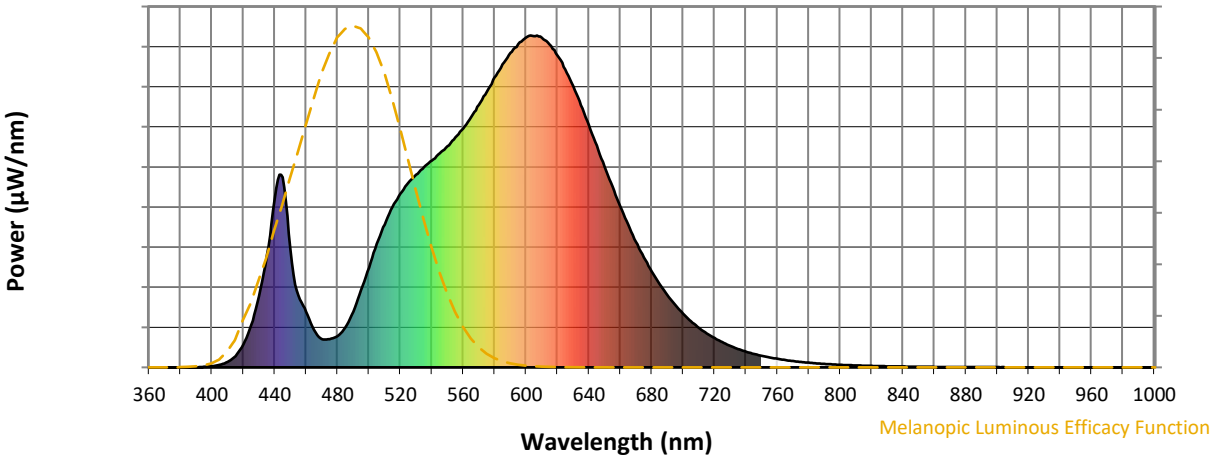
Melanopic Flux vs. Wavelength



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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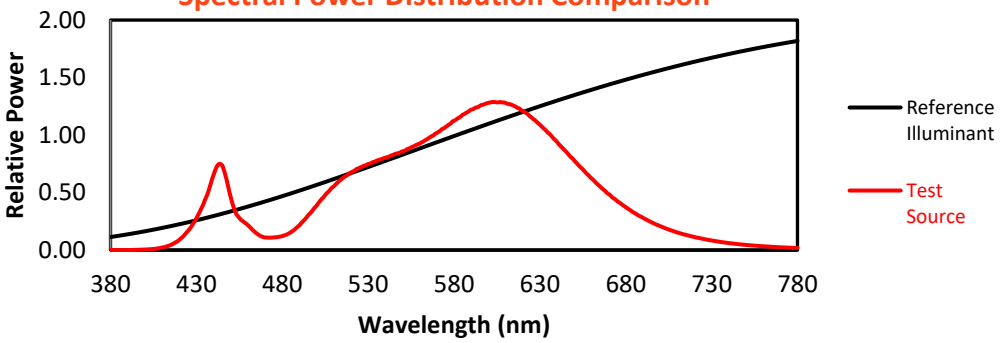
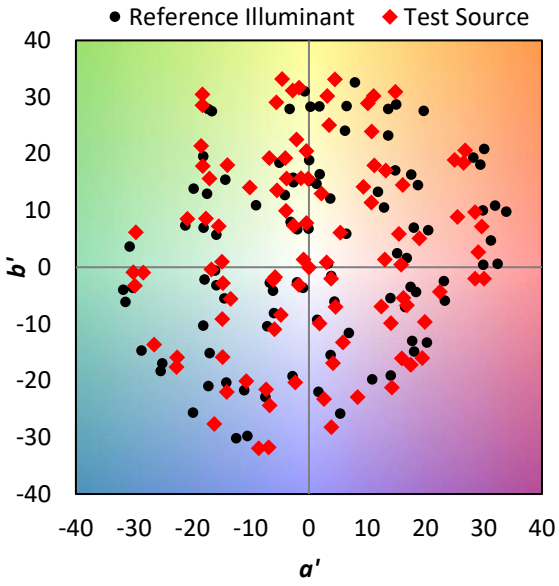
Summary

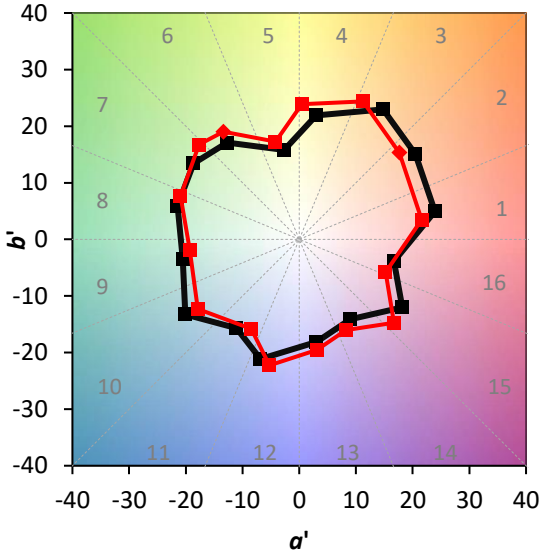
R_f = 81.5
R_g = 99.2
CIE R_a = 81.0
R_9 = 7.1

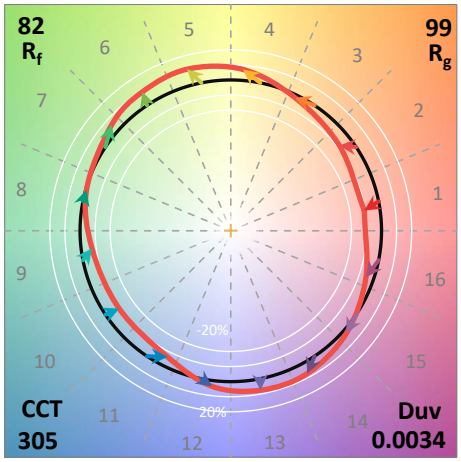
Spectral Power Distribution Comparison

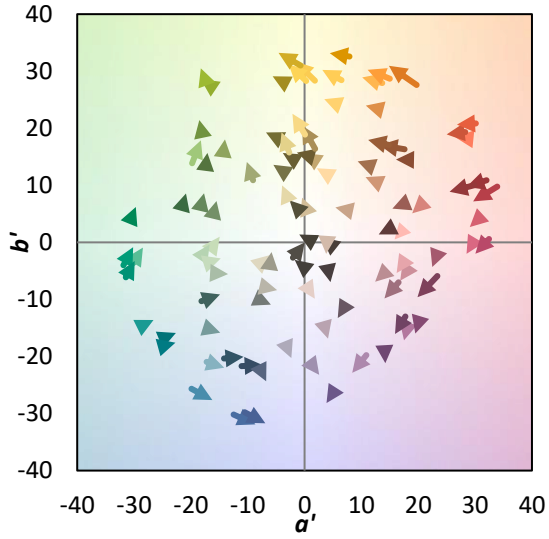


Color Vector Graphics









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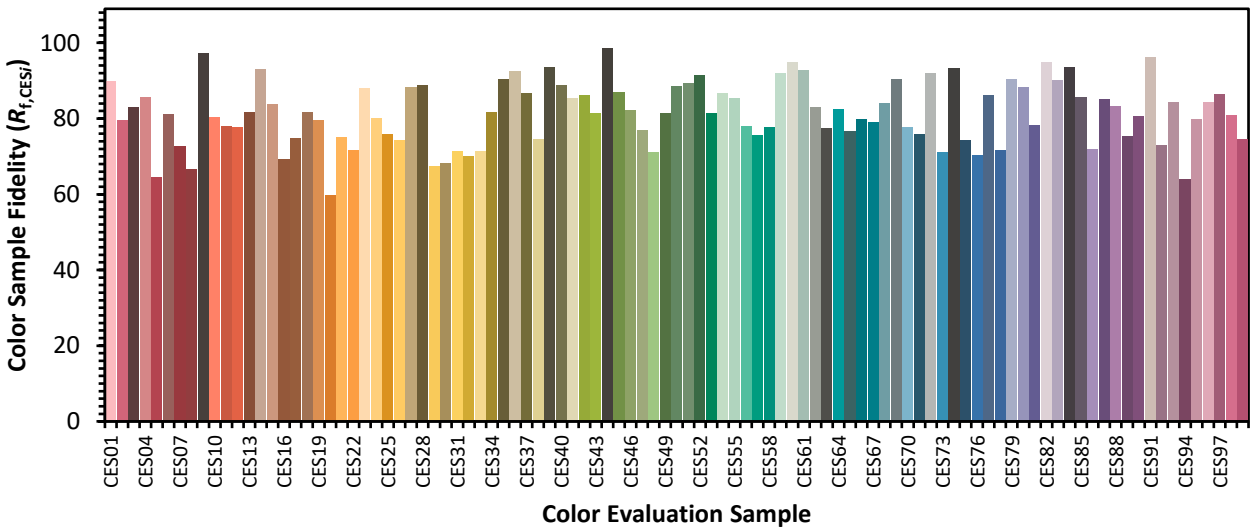
Individual Sample Fidelity Index ($R_{f,i}$)

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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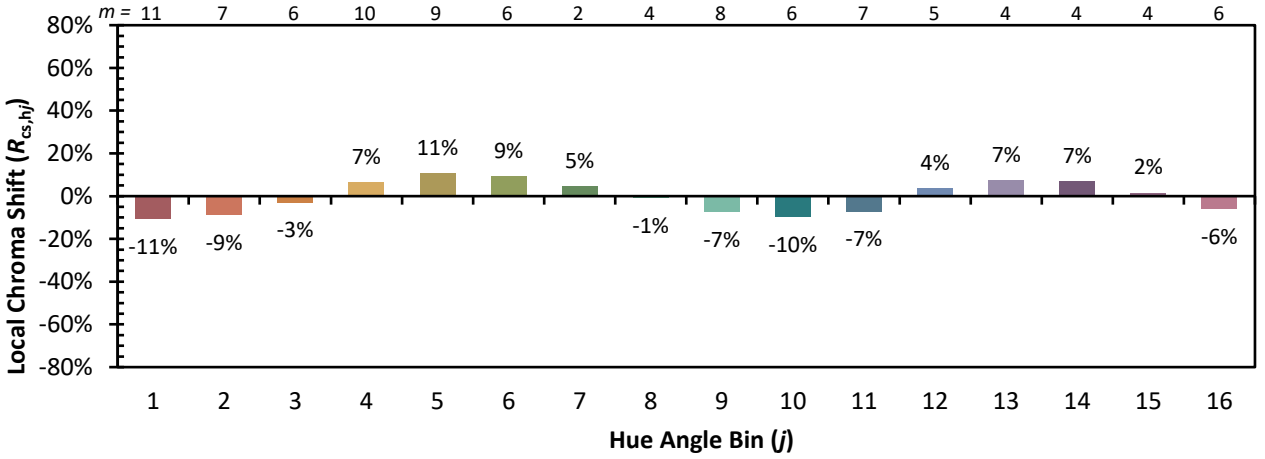
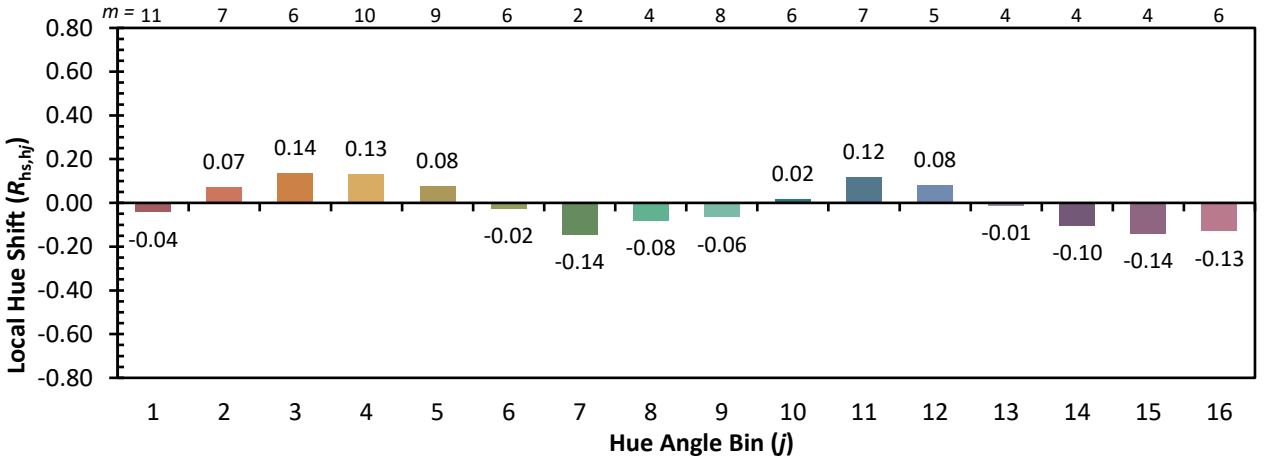
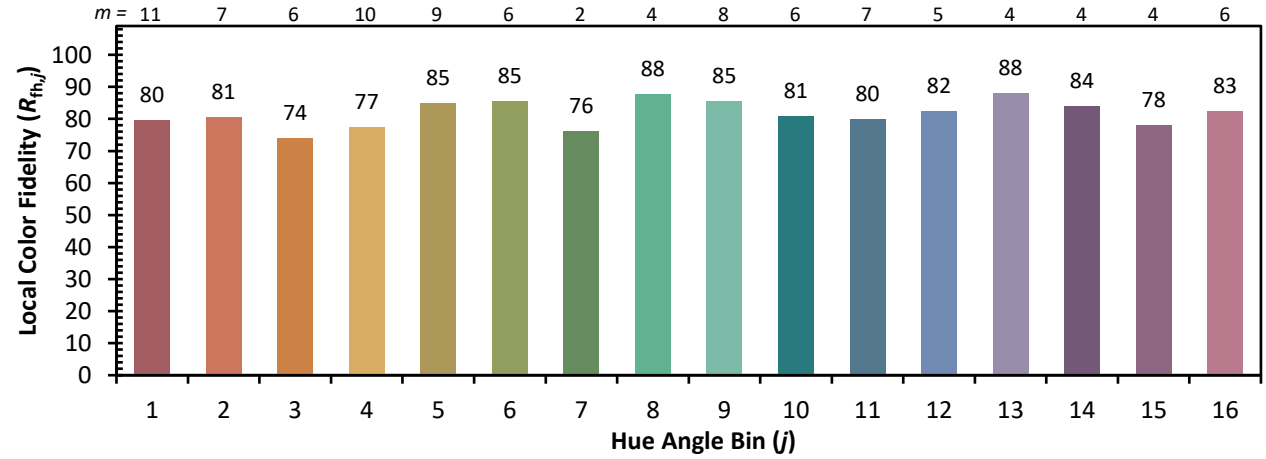
Color Rendition by Hue-Angle Bin







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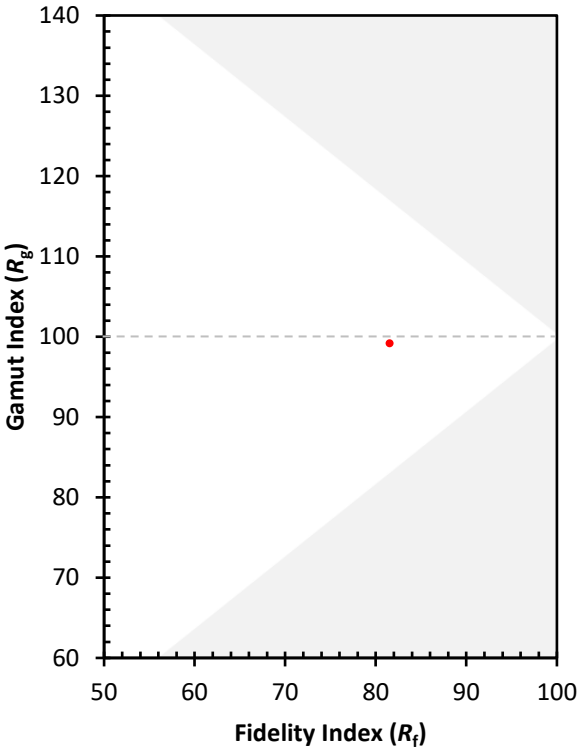
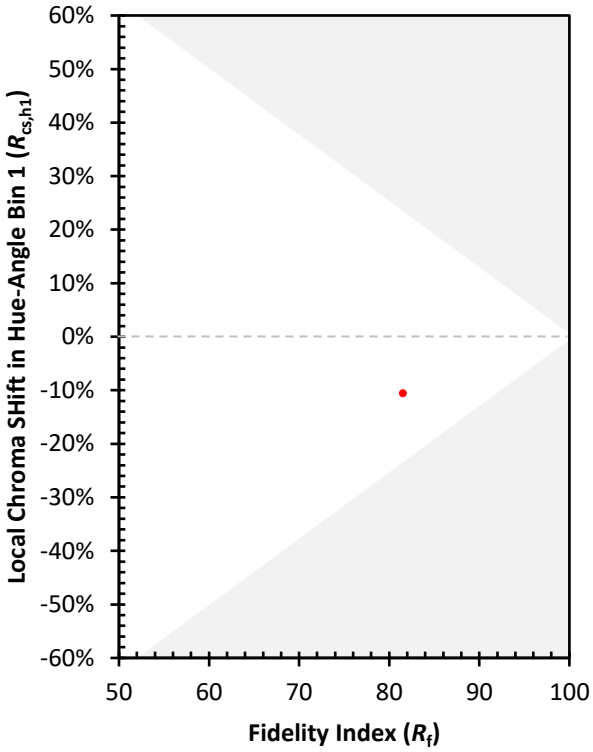
Measure Comparisons





(END OF REPORT)