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: P320160

Luminaire Tested: **GLEON-SA6B-830-U-SL4**

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:	P320160
	TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-24)
Test Lab:	INNOVATION CENTER
Issue Date:	3/3/2020
Manufacturer:	COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line:	McGRAW-EDISON
Catalog Number:	GLEON-SA6B-830-U-SL4
Description:	GALLEON AREA AND ROADWAY LUMINAIRE
	(6) 80 CRI, 3000K, 800mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE IV SPILL LIGHT ELIMINATOR OPTICS
Light Source:	-
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	25808 lumens
Efficiency:	N/A
Efficacy:	103.6 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):	249
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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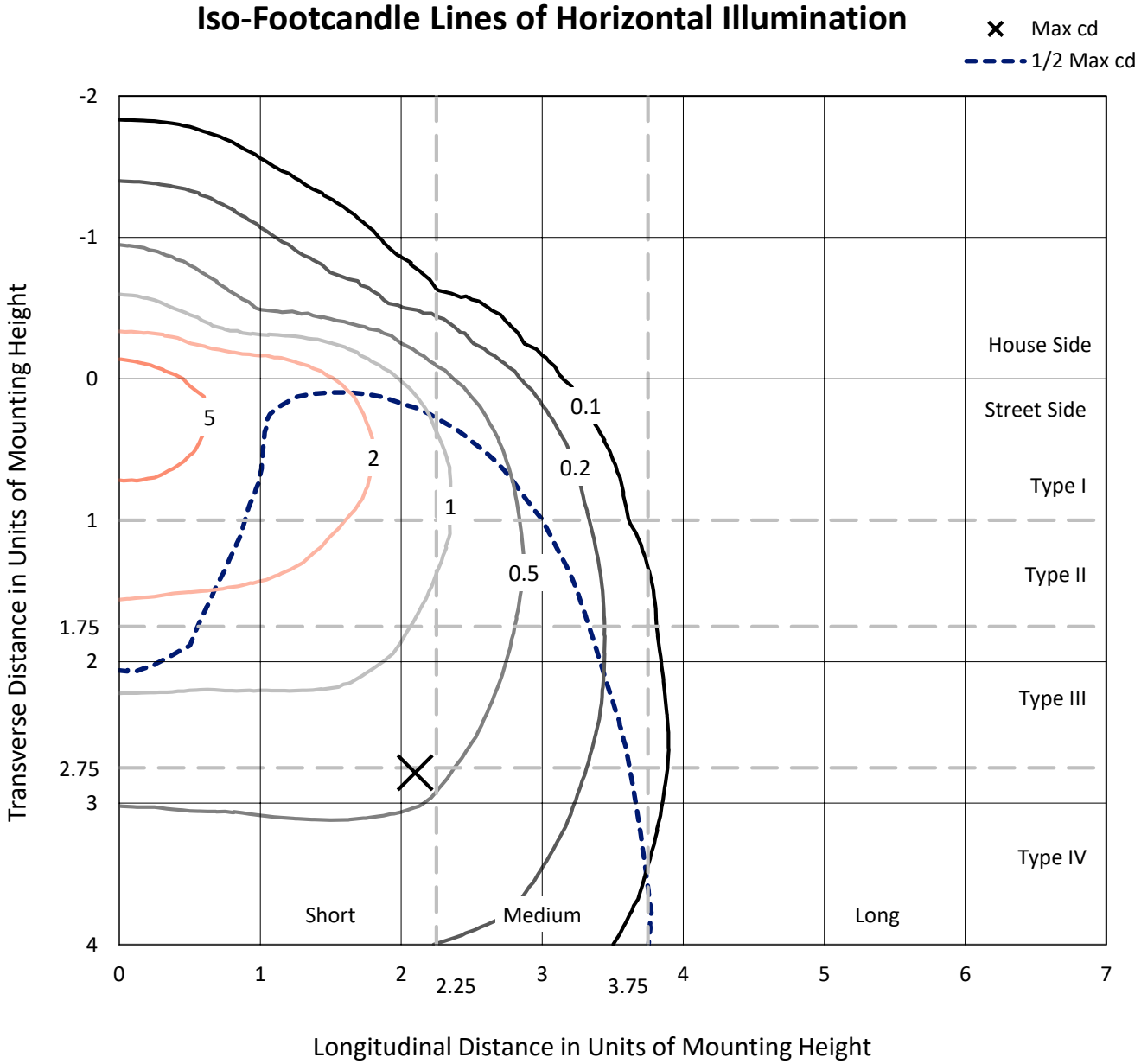
REPORT NUMBER: P320160
CATALOG NUMBER: GLEON-SA6B-830-U-SL4

Iso-Footcandle Lines of Horizontal Illumination



Based on 25 foot mounting height. Maximum calculated value = 7.4 fc
Type IV - Short - N/A

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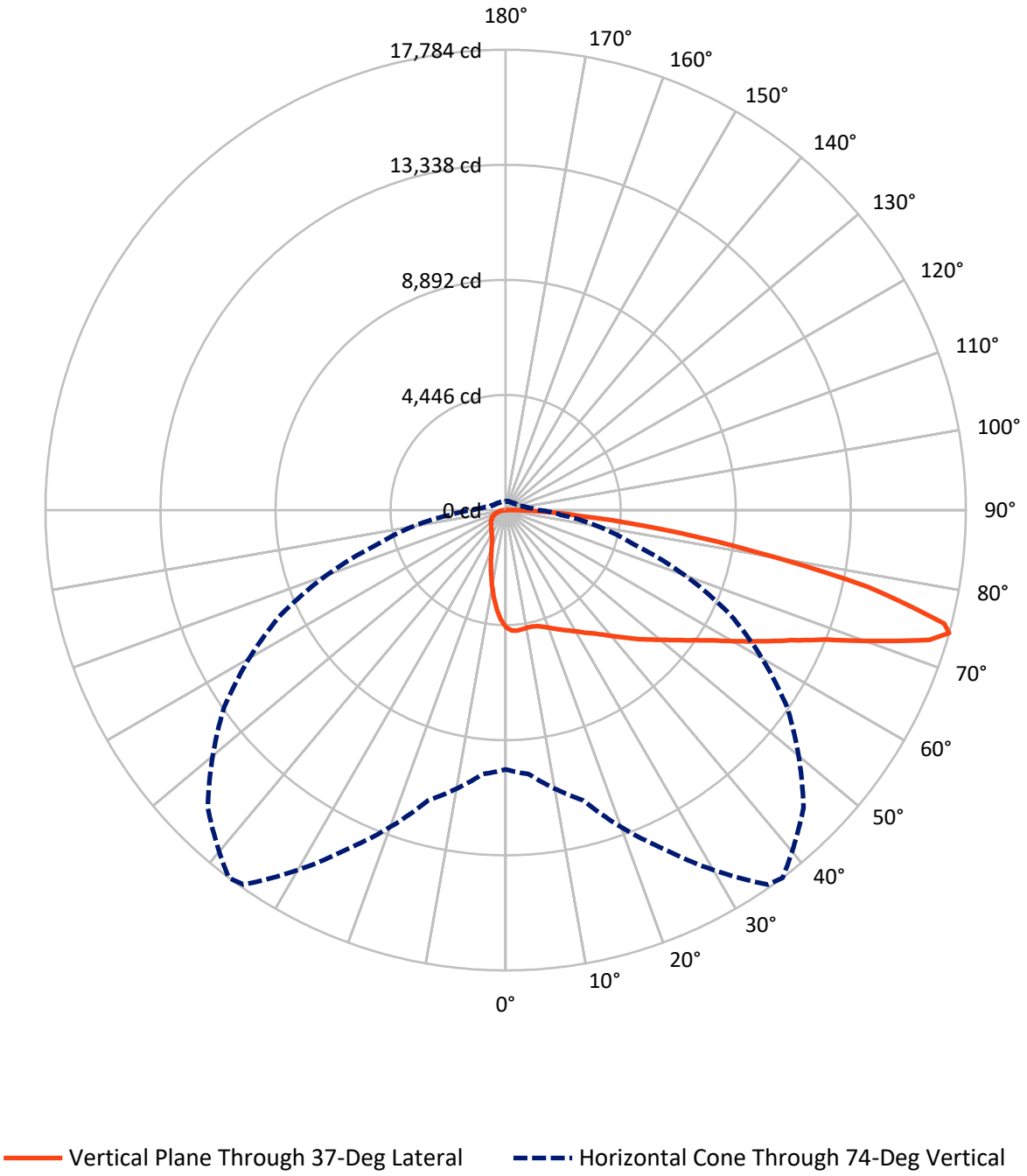
Luminous Intensity Polar Plot



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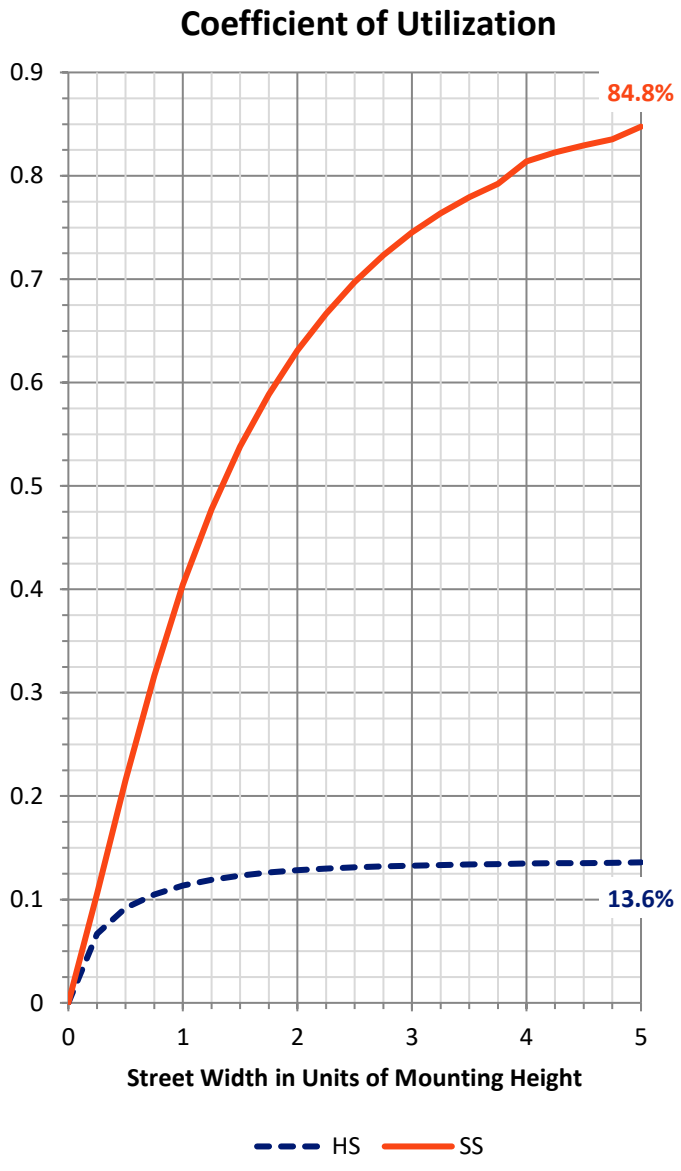
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3551.0	0.0	3551.0
	% Fixture	13.8	0.0	13.8
Street Side	Lumens	22257.0	0.0	22257.0
	% Fixture	86.2	0.0	86.2
Total	Lumens	25808.0	0.0	25808.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	400.4	1.6
10°-20°	1026.4	4.0
20°-30°	1581.5	6.1
30°-40°	2299.8	8.9
40°-50°	3384.9	13.1
50°-60°	4753.4	18.4
60°-70°	6016.4	23.3
70°-80°	5297.7	20.5
80°-90°	1047.5	4.1
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°	25808.0	100.0
0°-180°	25808.0	100.0



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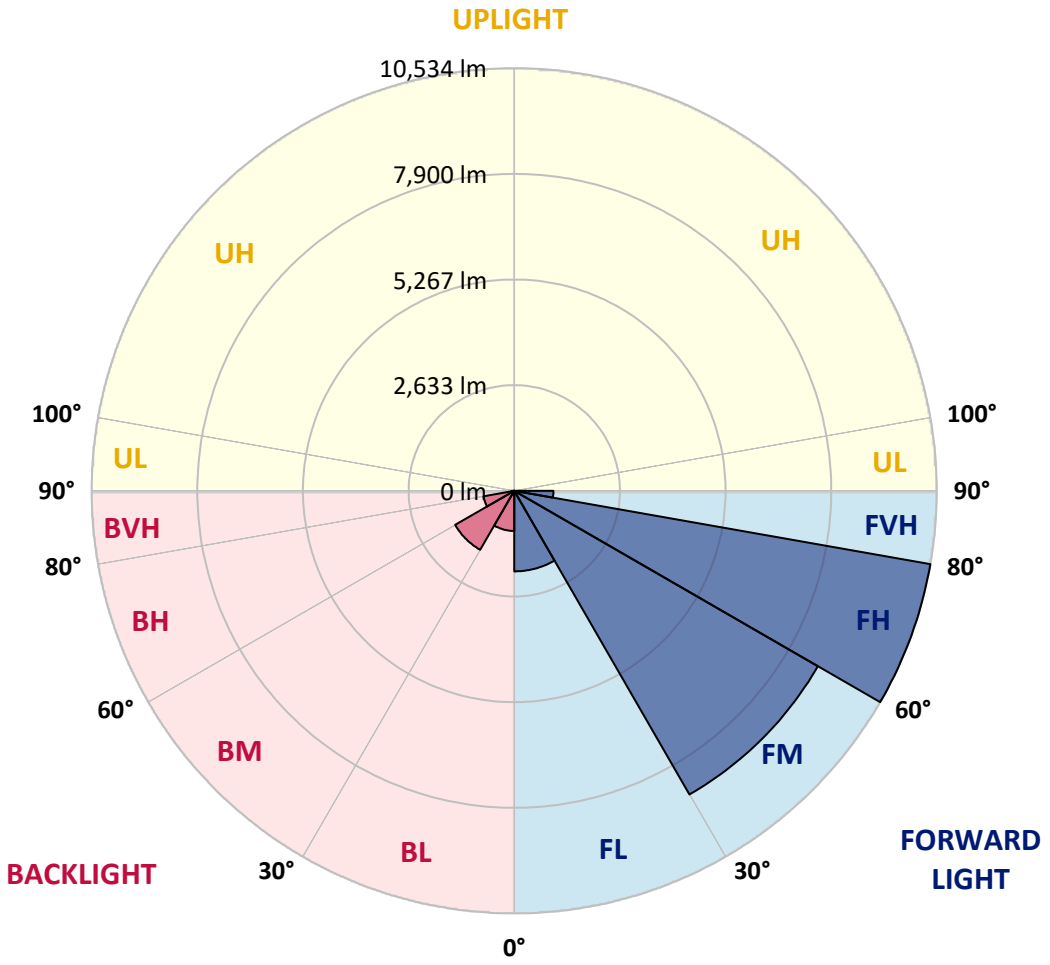
LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	2008.2	7.8			
FM	(30°-60°)	8738.8	33.9			
FH	(60°-80°)	10533.5	40.8			G4/12000
FVH	(80°-90°)	976.5	3.8			G5
BL	(0°-30°)	1000.2	3.9	B3/2500		
BM	(30°-60°)	1699.3	6.6	B2/2500		
BH	(60°-80°)	780.5	3.0	B2/1000		G2/1000
BVH	(80°-90°)	70.9	0.3			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G5
Type IV Short



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Scaled Data Report

REPORT NUMBER: P320160
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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	37°	45°	55°	65°	75°	85°
0°	4547.3	4547.3	4547.3	4547.3	4547.3	4547.3	4547.3	4547.3	4547.3	4547.3	4547.3
2.5°	4702.7	4703.6	4702.7	4695.5	4678.2	4663.6	4651.8	4634.5	4596.4	4567.3	4523.6
5°	4747.3	4741.8	4738.2	4724.5	4697.3	4680.9	4658.2	4625.5	4562.7	4504.5	4433.6
7.5°	4726.4	4720.0	4711.8	4695.5	4664.5	4650.9	4619.1	4576.4	4500.9	4424.5	4322.7
10°	4661.8	4660.0	4656.4	4652.7	4626.4	4615.5	4586.4	4540.9	4466.4	4373.6	4254.5
12.5°	4590.0	4594.5	4609.1	4628.2	4616.4	4610.9	4592.7	4561.8	4485.5	4385.5	4241.8
15°	4544.5	4557.3	4596.4	4646.4	4656.4	4654.5	4650.0	4630.0	4549.1	4438.2	4270.9
17.5°	4529.1	4550.0	4624.5	4707.3	4736.4	4742.7	4744.5	4710.0	4620.0	4502.7	4300.9
20°	4557.3	4583.6	4692.7	4806.4	4852.7	4856.4	4848.2	4788.2	4687.3	4558.2	4317.3
22.5°	4642.7	4666.4	4802.7	4930.9	4983.6	4989.1	4964.5	4873.6	4758.2	4623.6	4340.0
25°	4807.3	4836.4	4972.7	5100.9	5128.2	5129.1	5093.6	4980.9	4850.9	4715.5	4389.1
27.5°	5021.8	5050.9	5173.6	5299.1	5284.5	5276.4	5228.2	5115.5	4971.8	4841.8	4476.4
30°	5260.9	5292.7	5409.1	5498.2	5463.6	5447.3	5408.2	5262.7	5140.0	5014.5	4610.0
32.5°	5508.2	5537.3	5639.1	5700.0	5656.4	5649.1	5590.0	5457.3	5359.1	5278.2	4826.4
35°	5761.8	5782.7	5882.7	5917.3	5859.1	5857.3	5840.9	5719.1	5657.3	5695.5	5140.9
37.5°	6020.9	6026.4	6111.8	6113.6	6096.4	6103.6	6120.9	6044.5	6061.8	6180.9	5550.0
40°	6251.8	6266.4	6328.2	6347.3	6377.3	6402.7	6489.1	6439.1	6572.7	6783.6	6059.1
42.5°	6422.7	6450.9	6550.0	6599.1	6696.4	6736.4	6858.2	6904.5	7173.6	7490.0	6664.5
45°	6567.3	6610.9	6770.0	6870.9	7035.4	7105.4	7280.0	7435.4	7852.7	8256.4	7301.8
47.5°	6723.6	6779.1	6978.2	7170.9	7394.5	7473.6	7790.9	8023.6	8577.3	9027.3	7902.7
50°	6953.6	6996.4	7190.9	7493.6	7772.7	7874.5	8313.6	8647.3	9313.6	9761.8	8423.6
52.5°	7274.5	7258.2	7422.7	7847.3	8221.8	8347.3	8871.8	9310.9	10060.0	10426.4	8863.6
55°	7597.3	7570.0	7685.4	8217.3	8745.4	8877.3	9486.4	9977.3	10770.0	11024.5	9200.9
57.5°	7956.4	7904.5	8001.8	8634.5	9341.8	9499.1	10174.5	10685.4	11468.2	11508.2	9415.4
60°	8326.4	8256.4	8365.4	9151.8	10099.1	10284.5	10980.0	11376.4	12126.4	11895.4	9484.5
62.5°	8650.0	8600.9	8769.1	9729.1	10952.7	11156.4	11770.9	12110.9	12775.4	12056.4	9235.4
65°	8932.7	8940.9	9231.8	10378.2	11904.5	12121.8	12678.2	13016.4	13286.4	11960.9	8652.7
67.5°	9270.0	9316.4	9812.7	11232.7	13102.7	13340.9	13998.2	14003.6	13571.8	11400.9	7505.4
70°	9761.8	9857.3	10611.8	12418.2	14806.4	15133.6	15640.9	14583.6	13170.9	9882.7	5905.5
72.5°	10198.2	10376.4	11461.8	13774.5	16882.7	17130.9	16601.8	14249.1	11495.4	7406.4	3679.1
74°	10020.9	10241.8	11616.4	14442.7	17664.5	17783.6	16277.3	13272.7	9584.5	5129.1	2138.2
75°	9639.1	9879.1	11390.9	14436.4	17565.4	17499.1	15493.6	12157.3	7893.6	3498.2	1422.7
77.5°	7779.1	8032.7	9598.2	12372.7	14402.7	14340.0	11901.8	8155.4	3457.3	1147.3	722.7
80°	4522.7	4716.4	5958.2	7857.3	9711.8	9825.4	7827.3	4035.5	1360.0	644.5	490.0
82.5°	2009.1	2142.7	2878.2	4010.9	5860.9	6007.3	4099.1	2114.5	840.0	391.8	294.5
85°	1318.2	1417.3	1747.3	1910.0	2790.9	2890.9	2006.4	1646.4	554.5	215.5	216.4
87.5°	948.2	1043.6	1298.2	1133.6	1280.9	1212.7	1091.8	1523.6	222.7	122.7	72.7
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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REPORT NUMBER: P320160
CATALOG NUMBER: GLEON-SA6B-830-U-SL4

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	4547.3	4547.3	4547.3	4547.3	4547.3	4547.3	4547.3	4547.3	4547.3	4547.3	4547.3
2.5°	4504.5	4490.0	4457.3	4395.5	4360.9	4331.8	4283.6	4255.5	4242.7	4241.8	4247.3
5°	4392.7	4359.1	4274.5	4170.9	4088.2	4012.7	3919.1	3862.7	3822.7	3799.1	3805.5
7.5°	4262.7	4210.0	4077.3	3911.8	3779.1	3632.7	3488.2	3401.8	3334.5	3284.5	3293.6
10°	4173.6	4100.9	3907.3	3669.1	3448.2	3235.5	3036.4	2917.3	2822.7	2750.0	2755.5
12.5°	4143.6	4045.5	3777.3	3459.1	3149.1	2858.2	2598.2	2415.5	2318.2	2235.5	2241.8
15°	4148.2	4016.4	3668.2	3270.0	2880.0	2513.6	2198.2	1984.5	1852.7	1795.5	1796.4
17.5°	4151.8	3982.7	3553.6	3067.3	2613.6	2191.8	1849.1	1632.7	1508.2	1455.5	1456.4
20°	4140.0	3928.2	3411.8	2834.5	2335.5	1896.4	1564.5	1380.9	1286.4	1245.5	1245.5
22.5°	4124.5	3863.6	3251.8	2600.9	2060.9	1640.0	1360.9	1220.9	1166.4	1139.1	1138.2
25°	4131.8	3815.5	3088.2	2360.9	1808.2	1435.5	1225.5	1132.7	1096.4	1079.1	1078.2
27.5°	4170.9	3792.7	2937.3	2121.8	1587.3	1281.8	1134.5	1069.1	1045.5	1034.5	1034.5
30°	4241.8	3792.7	2780.0	1918.2	1403.6	1168.2	1064.5	1020.0	1003.6	996.4	996.4
32.5°	4365.5	3813.6	2628.2	1716.4	1257.3	1079.1	1006.4	976.4	963.6	960.0	960.0
35°	4578.2	3884.5	2480.0	1525.5	1139.1	1006.4	950.9	933.6	924.5	923.6	926.4
37.5°	4877.3	4029.1	2340.9	1384.5	1055.5	947.3	904.5	890.9	885.5	890.0	893.6
40°	5253.6	4225.5	2214.5	1257.3	991.8	900.0	861.8	852.7	850.0	856.4	861.8
42.5°	5708.2	4490.9	2110.9	1165.5	942.7	860.0	825.5	814.5	811.8	819.1	826.4
45°	6200.0	4776.4	2038.2	1097.3	904.5	830.0	793.6	781.8	776.4	780.0	788.2
47.5°	6647.3	5046.4	2009.1	1049.1	868.2	804.5	765.5	750.9	741.8	740.0	746.4
50°	7024.5	5247.3	2022.7	1020.0	839.1	776.4	738.2	721.8	708.2	700.0	704.5
52.5°	7299.1	5373.6	2035.5	1007.3	816.4	745.5	708.2	692.7	674.5	660.9	660.9
55°	7498.2	5402.7	2007.3	997.3	799.1	711.8	674.5	660.0	641.8	626.4	624.5
57.5°	7576.4	5320.9	1902.7	982.7	787.3	680.0	639.1	628.2	612.7	594.5	593.6
60°	7470.9	5068.2	1700.9	951.8	771.8	653.6	603.6	596.4	589.1	571.8	570.9
62.5°	7047.3	4513.6	1440.0	889.1	740.9	625.5	570.9	574.5	575.5	563.6	561.8
65°	6279.1	3751.8	1185.5	807.3	694.5	591.8	537.3	554.5	564.5	562.7	560.0
67.5°	5162.7	2920.0	1004.5	720.9	633.6	545.5	500.9	520.9	529.1	535.5	533.6
70°	3831.8	2059.1	830.9	630.0	560.0	490.9	453.6	463.6	458.2	465.5	468.2
72.5°	2136.4	1235.5	677.3	539.1	483.6	427.3	400.9	399.1	387.3	387.3	387.3
74°	*1281.8*	*906.4*	*595.5*	*482.7*	*437.3*	*385.5*	*362.7*	*354.5*	*343.6*	*344.5*	*343.6*
75°	1030.9	779.1	546.4	445.5	404.5	360.9	338.2	327.3	319.1	319.1	318.2
77.5°	650.9	591.8	440.0	354.5	323.6	297.3	281.8	267.3	267.3	266.4	265.5
80°	491.8	470.9	342.7	268.2	248.2	228.2	218.2	211.8	211.8	214.5	213.6
82.5°	337.3	354.5	240.9	187.3	177.3	162.7	160.9	161.8	159.1	155.5	154.5
85°	246.4	266.4	162.7	118.2	108.2	99.1	106.4	110.0	105.5	97.3	93.6
87.5°	94.5	174.5	87.3	49.1	45.5	39.1	45.5	47.3	50.9	40.0	40.9
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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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

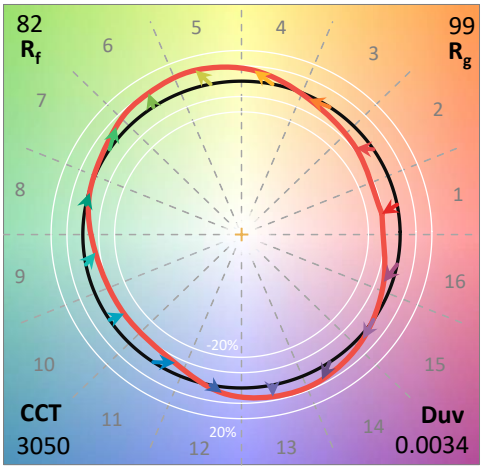
Test Information

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

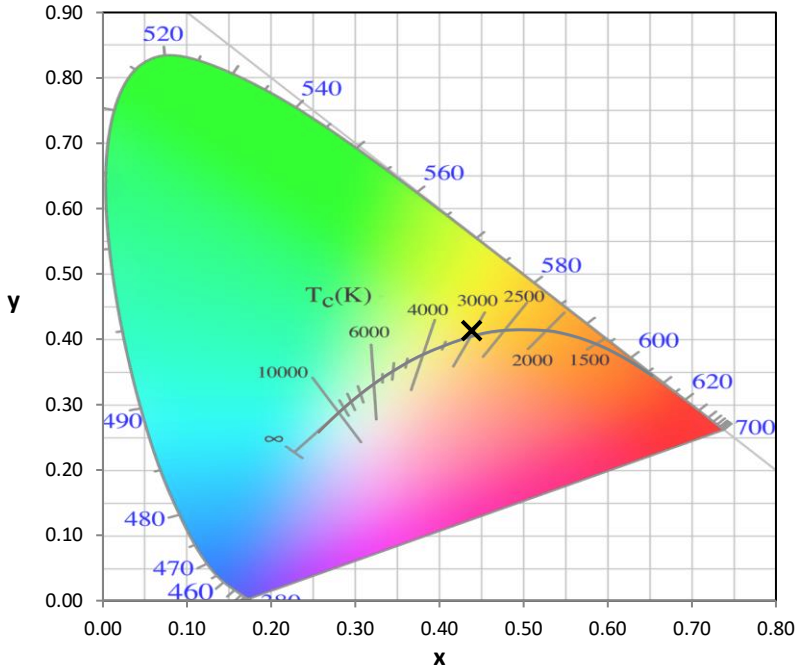
Stabilization Time:	20M
Operation Time:	1H 20M
Sphere Temperature (°C):	24.2

REPORT NUMBER: SP1-2408-195-9

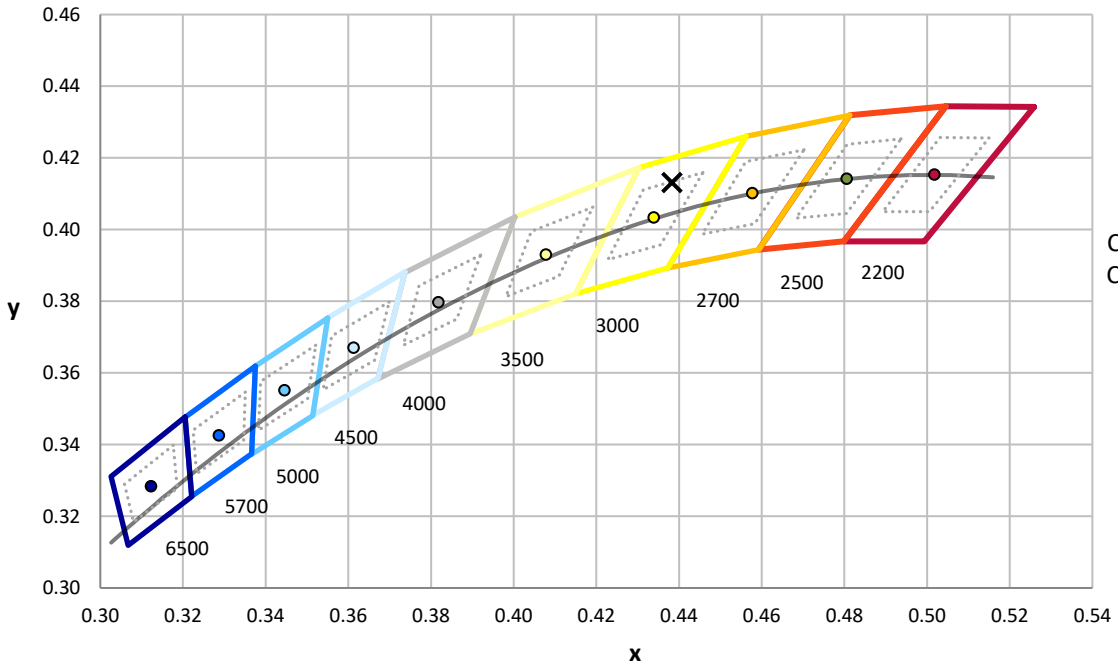
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

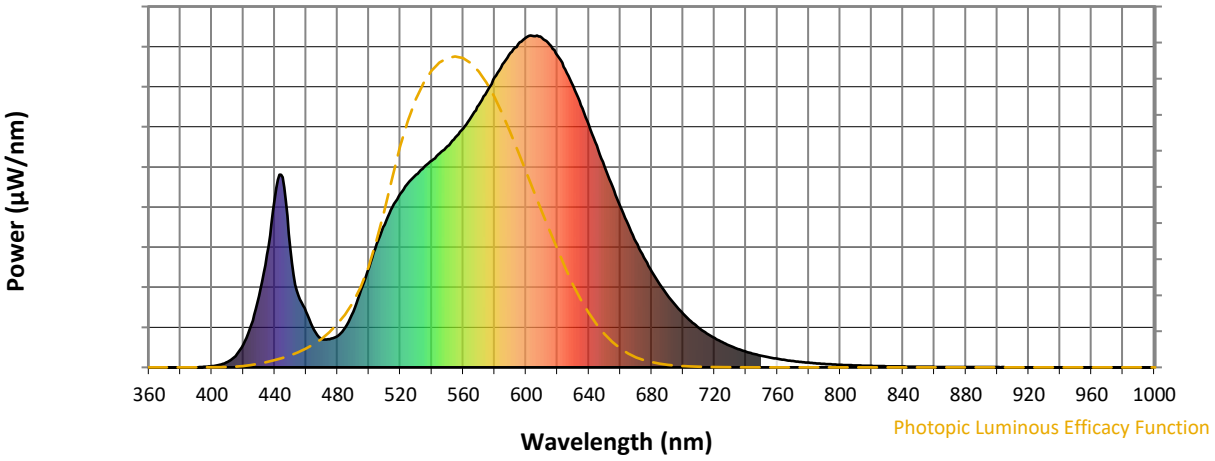


CCT = 3050K
CIE x = 0.4383
CIE y = 0.4131
Duv = 0.0034

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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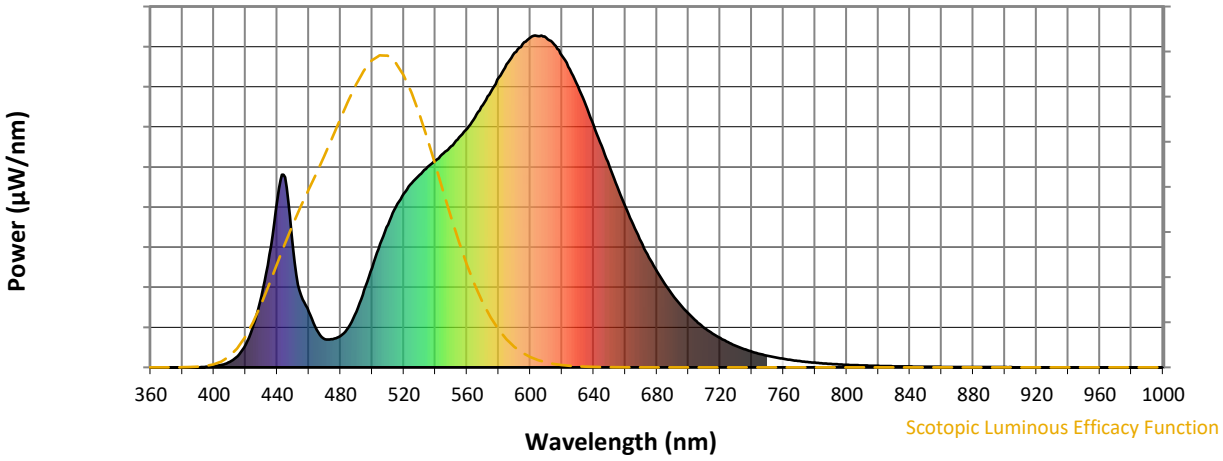
Scotopic Flux vs. Wavelength



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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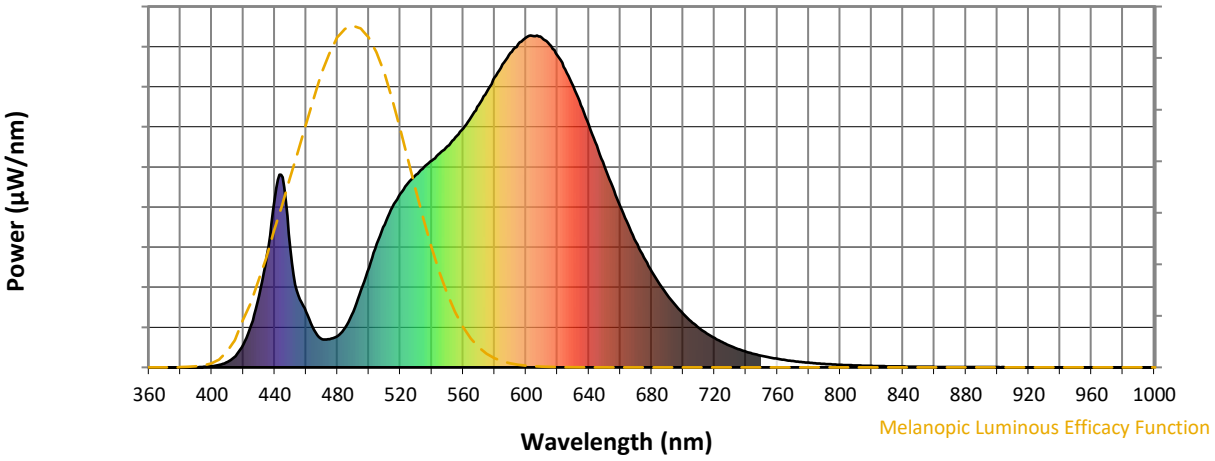
Melanopic Flux vs. Wavelength



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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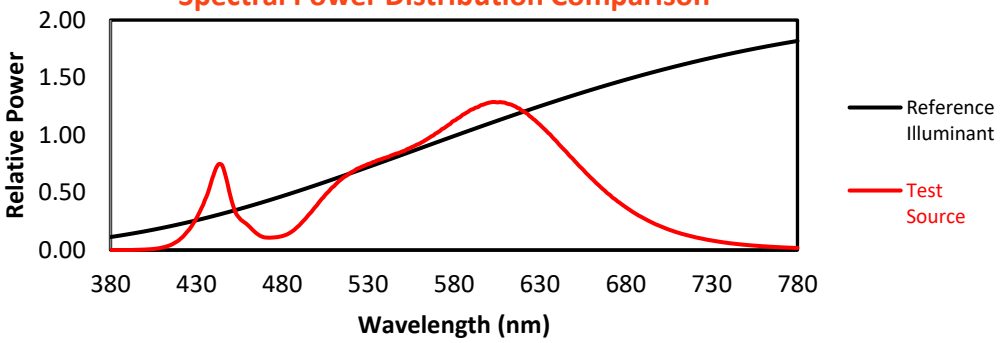
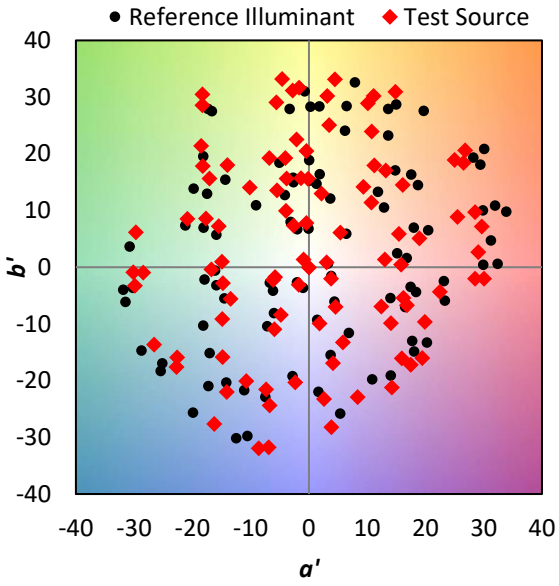
Summary

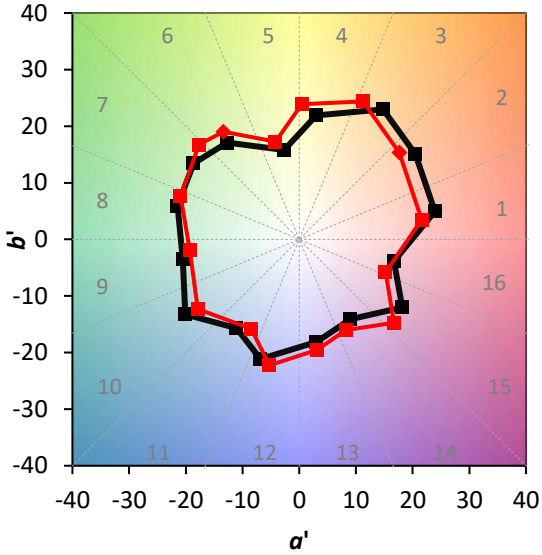
R_f = 81.5
R_g = 99.2
CIE R_a = 81.0
R_9 = 7.1

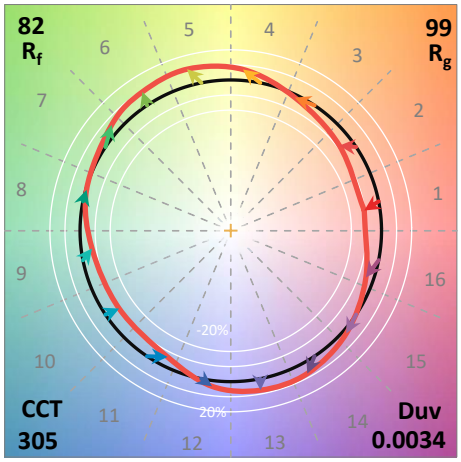
Spectral Power Distribution Comparison

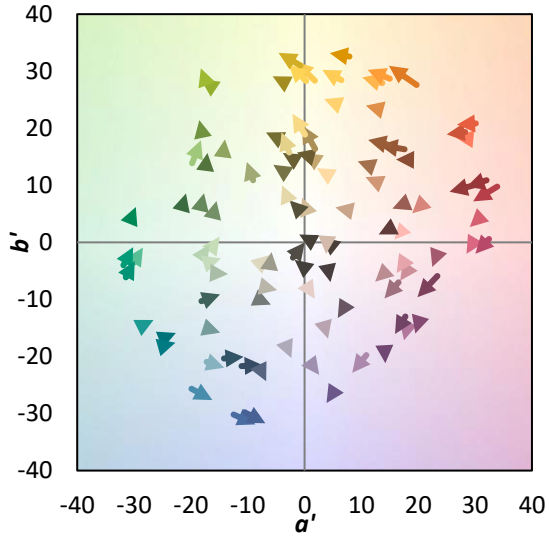


Color Vector Graphics









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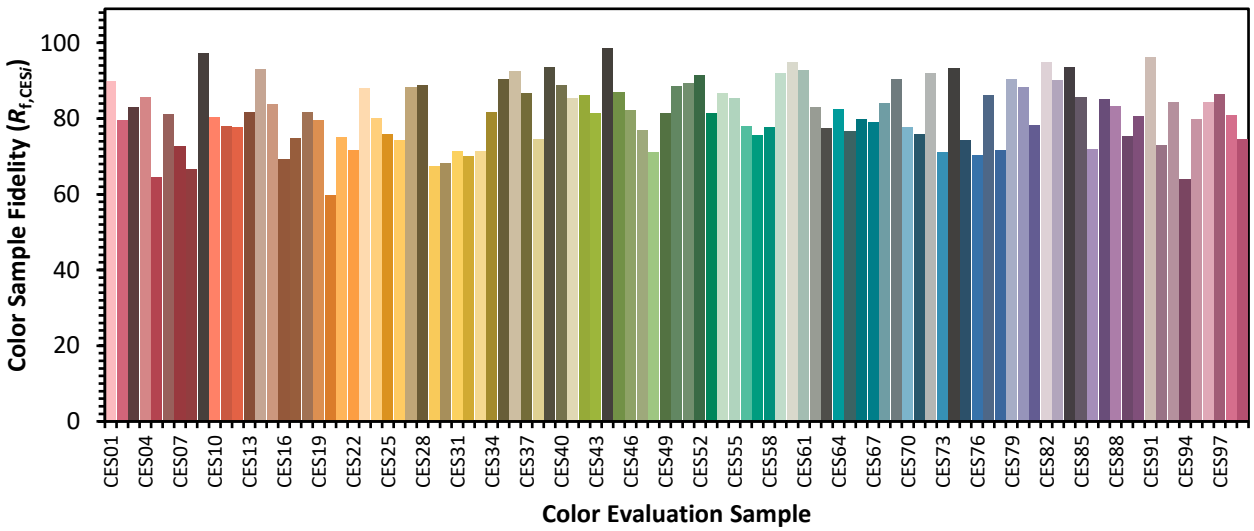
Individual Sample Fidelity Index ($R_{f,i}$)

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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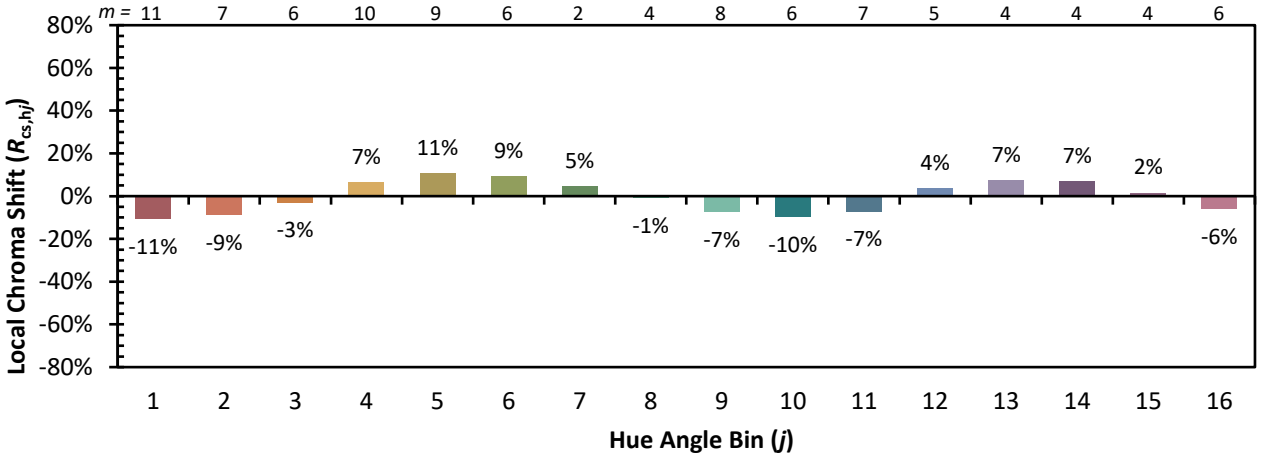
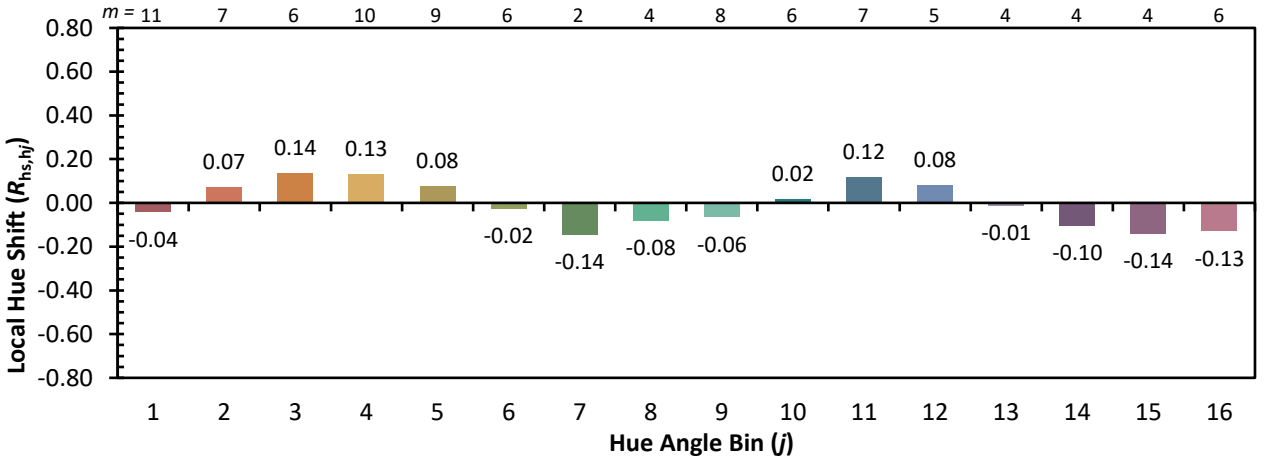
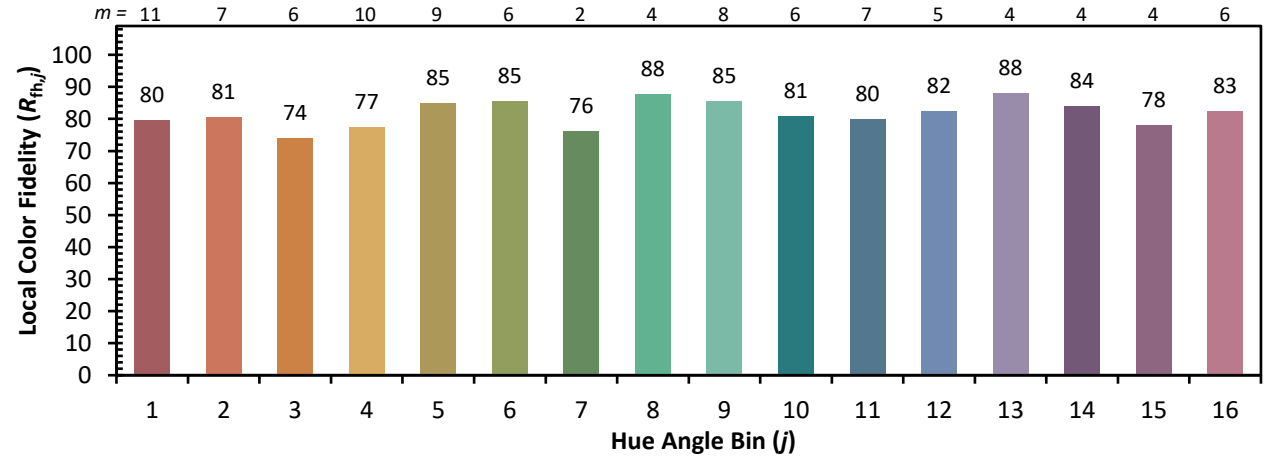
Color Rendition by Hue-Angle Bin







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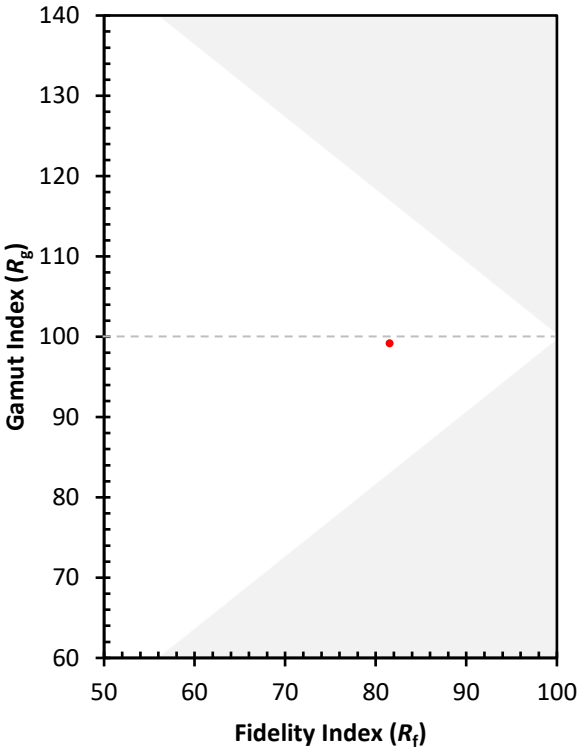
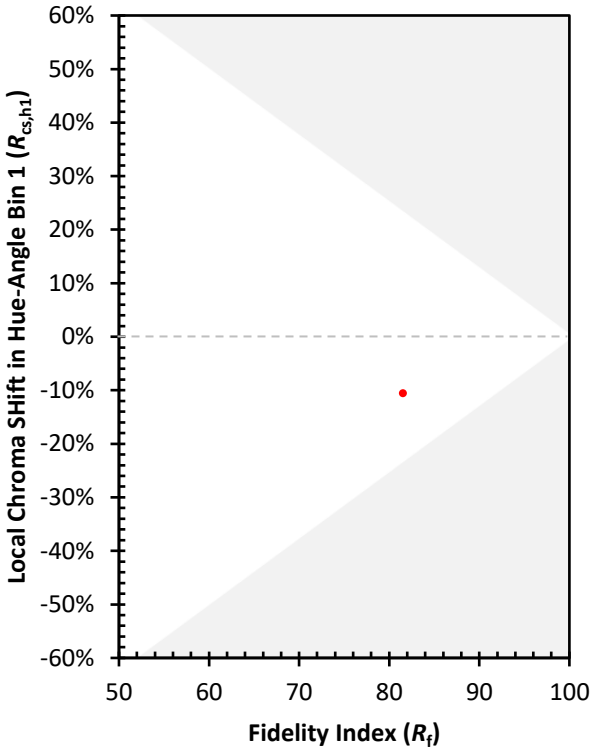
Measure Comparisons





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