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: P322719

Luminaire Tested: **GLEON-SA5B-830-U-T4FT-HSS**

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:	P322719
	TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-17)
Test Lab:	INNOVATION CENTER
Issue Date:	3/3/2020
Manufacturer:	COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line:	McGRAW-EDISON
Catalog Number:	GLEON-SA5B-830-U-T4FT-HSS
Description:	GALLEON AREA AND ROADWAY LUMINAIRE
	(5) 80 CRI, 3000K, 800mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE IV FORWARD THROW OPTICS WITH HOUSE SIDE SHIELD
Light Source:	-
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	16119 lumens
Efficiency:	N/A
Efficacy:	76.8 lumens/watt
Luminous Opening:	Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification:	Type IV - Short
BUG Rating:	B2 - U0 - G4

Input Watts (W):	210
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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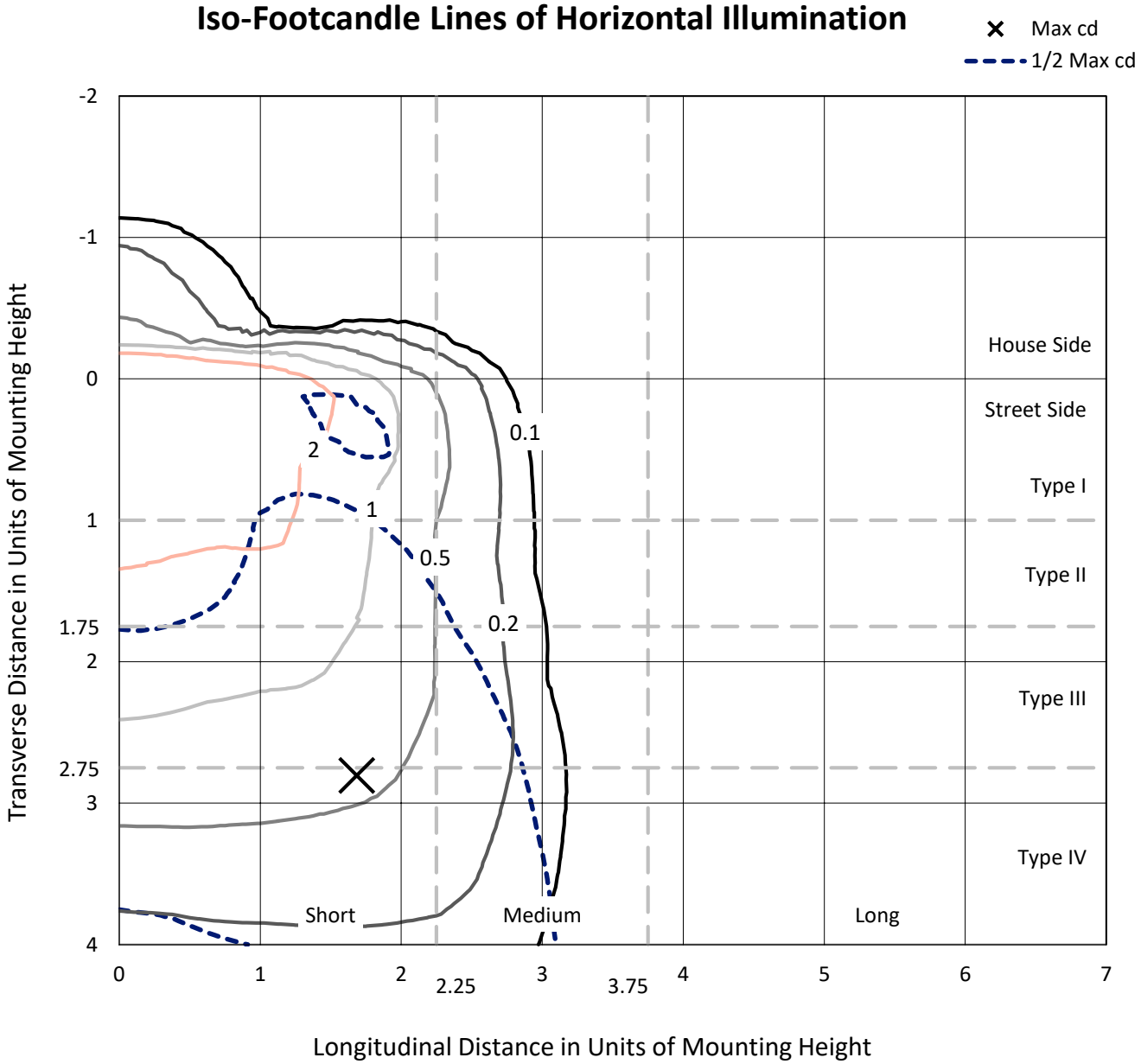
Scaled Data Report

REPORT NUMBER: P322719
CATALOG NUMBER: GLEON-SA5B-830-U-T4FT-HSS

Iso-Footcandle Lines of Horizontal Illumination



Based on 25 foot mounting height. Maximum calculated value = 4.4 fc
Type IV - Short - N/A

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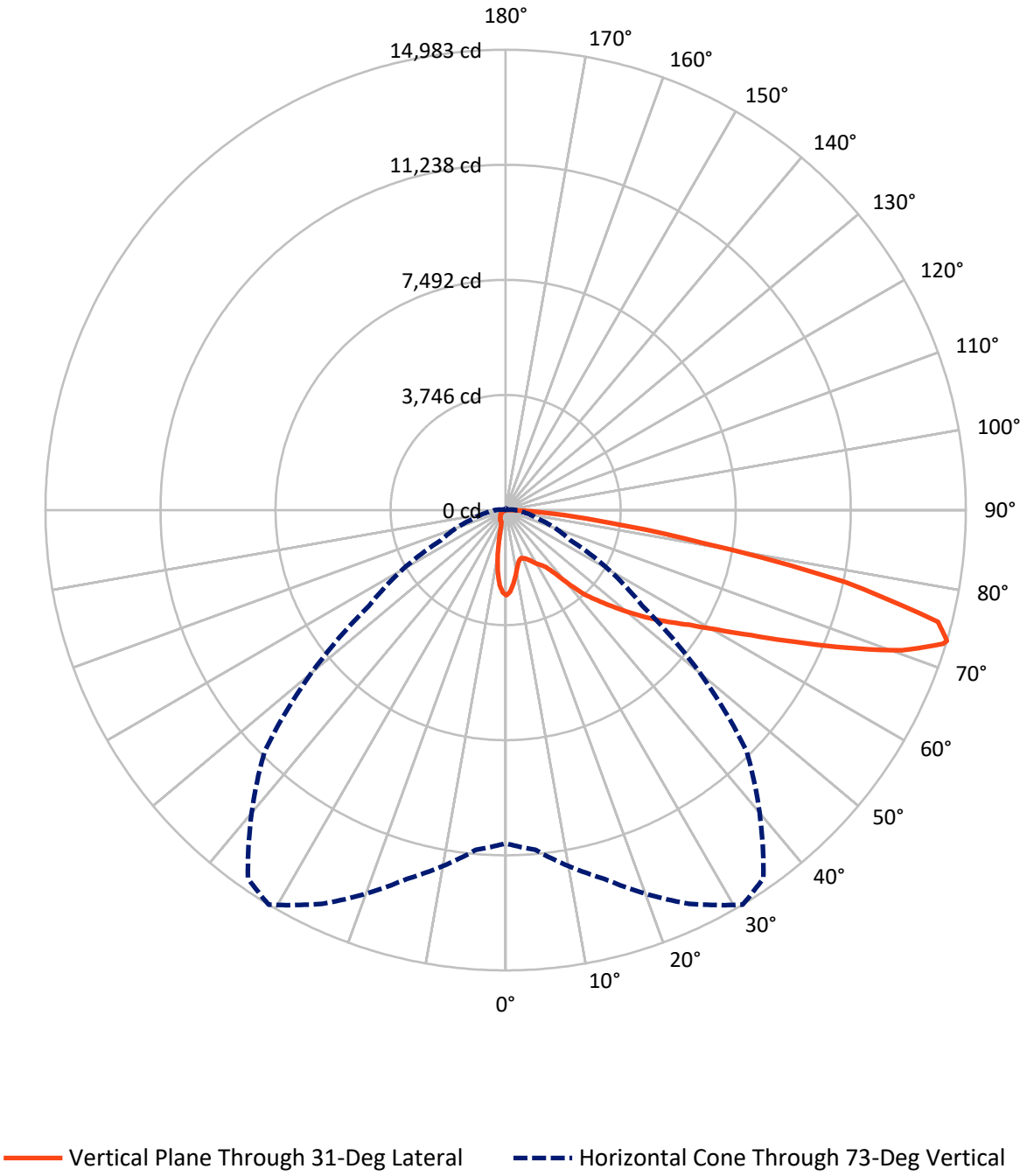
Luminous Intensity Polar Plot



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REPORT NUMBER: P322719
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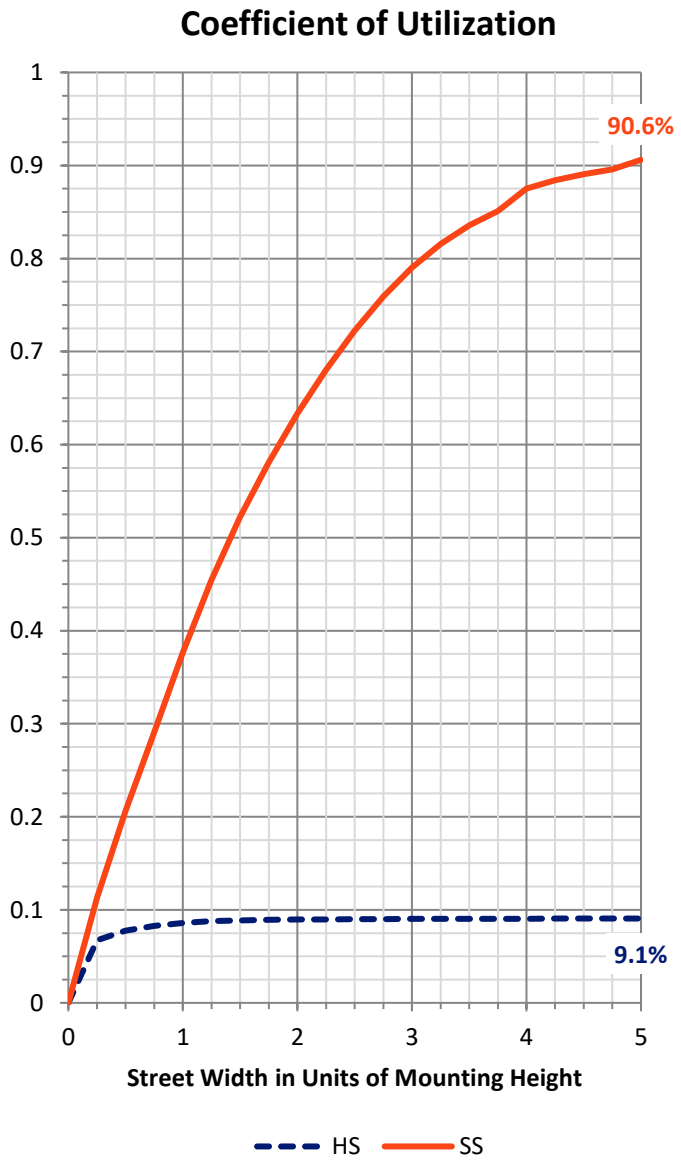
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1469.3	0.0	1469.3
	% Fixture	9.1	0.0	9.1
Street Side	Lumens	14649.7	0.0	14649.7
	% Fixture	90.9	0.0	90.9
Total	Lumens	16119.0	0.0	16119.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	229.9	1.4
10°-20°	499.3	3.1
20°-30°	748.1	4.6
30°-40°	1190.2	7.4
40°-50°	2125.3	13.2
50°-60°	3297.9	20.5
60°-70°	4384.1	27.2
70°-80°	3297.7	20.5
80°-90°	346.5	2.1
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°	16119.0	100.0
0°-180°	16119.0	100.0



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REPORT NUMBER: P322719
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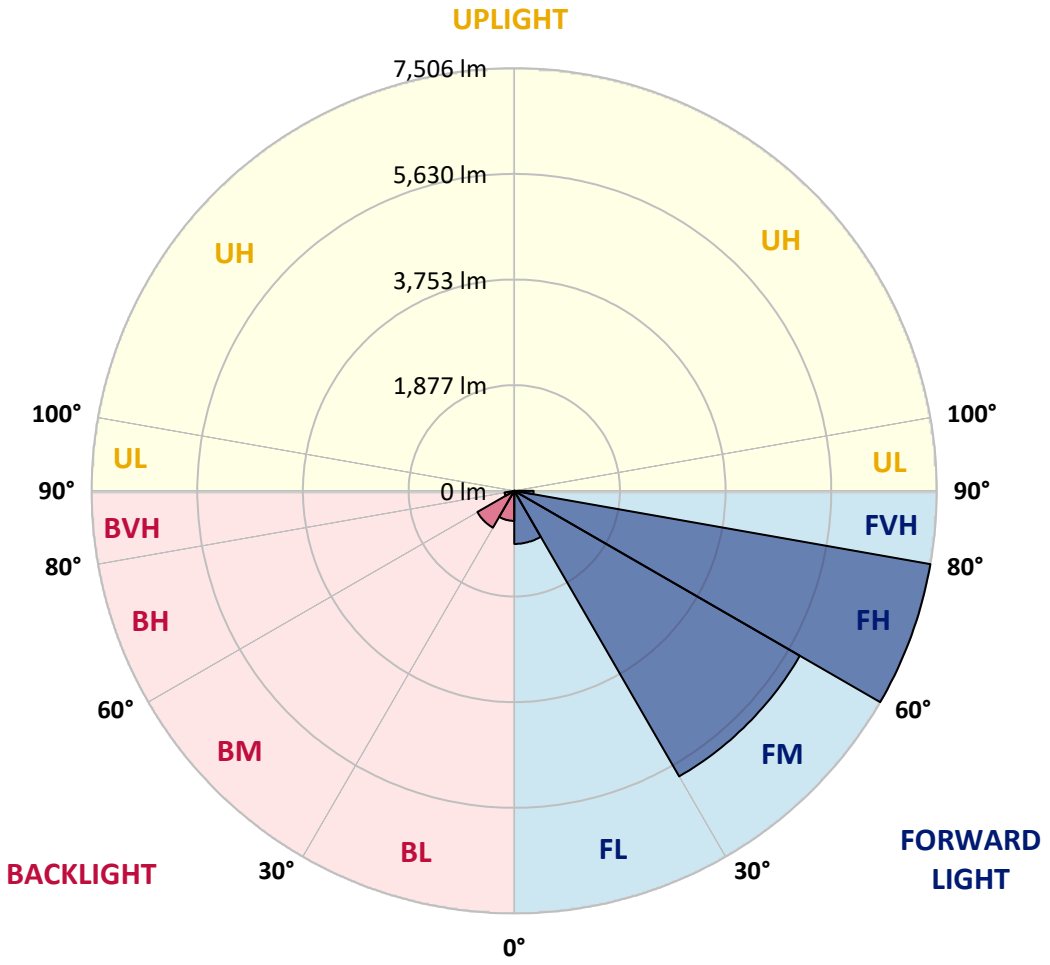
LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	943.0	5.9			
FM	(30°-60°)	5857.1	36.3			
FH	(60°-80°)	7506.0	46.6			G4/12000
FVH	(80°-90°)	343.6	2.1			G3/500
BL	(0°-30°)	534.3	3.3	B2/1000		
BM	(30°-60°)	756.3	4.7	B1/1000		
BH	(60°-80°)	175.8	1.1	B1/500		G1/500
BVH	(80°-90°)	2.9	0.0			G0/10
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G4
Type IV Short



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Scaled Data Report

REPORT NUMBER: P322719
CATALOG NUMBER: GLEON-SA5B-830-U-T4FT-HSS

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	31°	35°	45°	55°	65°	75°	85°
0°	2773.3	2773.3	2773.3	2773.3	*2773.3*	2773.3	2773.3	2773.3	2773.3	2773.3	2773.3
2.5°	2628.2	2639.2	2651.0	2653.4	*2673.1*	2673.9	2702.3	2723.6	2744.9	2765.4	2772.5
5°	2358.4	2376.6	2397.9	2419.2	*2461.0*	2477.5	2546.9	2617.9	2685.8	2750.4	2782.0
7.5°	2070.5	2091.0	2121.0	2173.8	*2220.4*	2252.7	2362.4	2488.6	2614.8	2733.9	2802.5
10°	1807.9	1826.8	1858.3	1914.3	*1986.1*	2030.3	2177.8	2352.9	2538.3	2718.9	2833.3
12.5°	1640.6	1650.9	1668.2	1728.2	*1792.9*	1842.6	2016.1	2233.0	2475.2	2718.1	2882.9
15°	1609.9	1613.0	1598.8	1625.7	*1676.1*	1724.2	1900.1	2136.0	2427.0	2730.7	2947.6
17.5°	1658.8	1657.2	1609.9	1606.7	*1646.9*	1686.4	1843.3	2068.9	2393.1	2759.9	3031.2
20°	1732.9	1727.4	1645.4	1630.4	*1673.0*	1710.0	1839.4	2043.7	2380.5	2808.8	3133.0
22.5°	1831.5	1822.1	1693.5	1677.7	*1723.5*	1762.1	1888.3	2068.1	2391.5	2874.3	3251.3
25°	1953.8	1939.6	1776.3	1759.0	*1805.5*	1844.1	1975.9	2138.3	2424.7	2953.9	3401.2
27.5°	2091.8	2071.3	1908.8	1863.9	*1916.7*	1956.9	2092.6	2245.6	2476.7	3038.3	3584.9
30°	2222.0	2195.1	2048.4	1974.3	*2039.0*	2083.9	2218.8	2373.4	2560.3	3168.5	3836.6
32.5°	2352.9	2322.9	2173.1	2084.7	*2143.1*	2192.0	2348.9	2549.3	2717.3	3367.2	4171.0
35°	2654.2	2622.7	2438.9	2292.9	*2292.2*	2319.8	2531.2	2789.9	2924.8	3644.1	4570.1
37.5°	3161.4	3143.2	2968.1	2691.3	*2617.1*	2586.4	2779.6	3077.0	3222.9	4025.1	5020.5
40°	3716.7	3700.9	3504.5	3253.7	*3140.9*	3065.2	3136.1	3476.9	3644.1	4490.5	5480.4
42.5°	4343.7	4268.8	3918.6	3843.7	*3742.7*	3685.1	3621.2	3969.9	4161.5	4996.8	5936.3
45°	4913.2	4787.0	4332.7	4219.1	*4196.2*	4210.4	4245.9	4632.4	4743.6	5598.7	6390.6
47.5°	5252.4	5153.0	4804.4	4695.5	*4689.2*	4783.1	5051.3	5381.0	5323.4	6123.2	6790.5
50°	5575.0	5485.1	5195.6	5222.4	*5251.6*	5379.4	5965.4	6150.8	5852.7	6598.8	7157.3
52.5°	5836.1	5698.8	5547.4	5698.1	*5841.6*	6047.5	6908.8	6841.8	6228.1	6977.4	7471.2
55°	5986.7	5924.4	5997.8	6149.2	*6419.0*	6753.4	7799.3	7416.8	6502.6	7322.9	7680.2
57.5°	6538.9	6416.6	6562.5	6693.5	*7045.3*	7513.0	8562.1	7845.1	6700.6	7536.7	7728.3
60°	7207.0	7108.4	7194.3	7412.0	*7886.9*	8436.7	9275.1	8194.5	6803.9	7673.9	7603.7
62.5°	8270.2	8140.1	8086.4	8330.2	*8959.6*	9559.9	9816.2	8436.7	6781.0	7613.2	7176.2
65°	9694.7	9559.9	9320.1	9540.9	*10341.5*	10765.1	10421.2	8487.9	6623.3	7121.8	6095.6
67.5°	11154.0	11056.2	10851.1	11223.4	*11945.9*	12082.3	11060.9	8363.3	6115.3	5774.6	4306.7
70°	12117.8	12076.0	12209.3	13032.8	*13677.2*	13637.8	11647.7	7693.6	4766.5	3551.0	2130.5
72.5°	11422.9	11623.3	12607.7	14100.8	*14888.0*	14566.2	11346.4	5907.9	2724.4	1366.1	616.0
73°	*10847.1*	*11103.5*	*12428.6*	*14141.0*	*14983.4*	*14630.9*	*11093.2*	*5422.8*	*2322.1*	*1078.2*	*467.0*
75°	7546.1	7860.9	10289.5	13170.1	*14537.0*	13939.9	9246.7	3319.1	1075.9	478.0	188.5
77.5°	3663.8	3896.5	5665.7	9515.7	*11305.4*	10891.3	5756.4	1236.8	485.9	298.9	86.8
80°	1367.7	1520.7	2459.4	4843.0	*6533.4*	6704.5	2531.9	467.7	323.4	240.6	44.2
82.5°	358.1	399.1	907.1	2159.6	*3348.3*	3504.5	798.2	235.8	236.6	198.0	26.8
85°	114.4	130.9	283.2	969.4	*1577.5*	1385.1	208.2	114.4	172.0	147.5	15.0
87.5°	14.2	18.1	89.9	228.0	*347.8*	193.2	32.3	33.9	73.4	82.0	8.7
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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Scaled Data Report

REPORT NUMBER: P322719
CATALOG NUMBER: GLEON-SA5B-830-U-T4FT-HSS

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	2773.3	2773.3	2773.3	2773.3	2773.3	2773.3	2773.3	2773.3	2773.3	2773.3	2773.3
2.5°	2779.6	2775.7	2776.5	2756.0	2742.5	2715.7	2688.1	2675.5	2662.1	2656.6	2662.1
5°	2793.8	2786.7	2766.2	2703.1	2636.1	2549.3	2468.1	2406.5	2329.2	2307.9	2330.0
7.5°	2815.9	2801.7	2741.8	2613.2	2464.1	2298.5	2112.3	1976.7	1865.4	1793.7	1819.7
10°	2848.2	2821.4	2700.7	2482.3	2215.6	1922.2	1658.0	1452.1	1306.2	1246.3	1243.9
12.5°	2902.7	2852.2	2650.3	2311.9	1912.0	1520.7	1174.5	951.3	832.9	756.4	754.9
15°	2962.6	2888.5	2586.4	2107.6	1558.6	1089.3	756.4	586.8	510.3	485.9	482.7
17.5°	3036.0	2930.3	2503.5	1856.0	1188.7	721.7	493.8	444.9	441.7	439.3	439.3
20°	3128.3	2980.0	2397.1	1568.1	843.2	481.9	419.6	422.8	424.4	421.2	422.0
22.5°	3235.5	3030.4	2270.1	1258.9	570.3	403.1	401.5	405.4	407.0	405.4	406.2
25°	3360.2	3088.8	2115.5	934.7	411.7	382.6	386.5	392.0	396.0	396.0	396.0
27.5°	3514.7	3159.8	1929.3	652.3	355.7	361.3	372.3	382.6	388.1	389.7	389.7
30°	3715.9	3248.1	1706.1	447.2	323.4	332.9	353.4	373.1	383.3	384.9	385.7
32.5°	3969.9	3347.5	1447.4	330.5	295.8	302.9	325.0	358.1	377.8	381.0	381.0
35°	4260.9	3462.7	1169.0	287.9	276.1	278.4	295.8	333.6	368.4	377.0	377.8
37.5°	4579.6	3576.3	888.9	269.0	259.5	259.5	272.1	304.5	345.5	372.3	375.5
40°	4877.0	3644.9	623.1	254.0	244.5	244.5	255.6	279.2	317.9	358.1	366.8
42.5°	5151.4	3668.6	433.8	239.8	230.3	232.7	242.2	261.1	290.3	330.5	338.4
45°	5433.8	3664.6	316.3	223.2	216.1	223.2	230.3	244.5	265.8	288.7	290.3
47.5°	5646.8	3631.5	250.8	207.4	202.7	212.2	218.5	228.0	239.8	238.2	238.2
50°	5846.3	3551.0	201.9	186.1	189.3	200.3	203.5	206.7	207.4	192.5	190.9
52.5°	5997.8	3425.6	161.7	163.3	175.9	186.9	183.8	179.1	171.2	153.0	149.9
55°	6048.3	3184.3	127.0	134.9	156.2	170.4	158.5	148.3	133.3	118.3	115.2
57.5°	5956.8	2872.7	103.3	104.9	131.7	143.6	130.1	118.3	101.8	89.1	86.8
60°	5762.7	2526.4	85.2	78.9	101.8	112.0	103.3	91.5	76.5	67.0	66.3
62.5°	5377.8	2157.3	70.2	61.5	77.3	86.0	80.5	71.8	59.2	52.8	52.1
65°	4568.5	1725.8	56.8	49.7	59.9	67.0	62.3	56.0	46.5	41.8	41.0
67.5°	3189.0	1166.6	46.5	41.0	47.3	52.8	48.9	45.7	37.1	36.3	37.1
70°	1538.1	562.4	38.6	33.1	37.1	41.0	39.4	37.1	35.5	41.0	47.3
72.5°	440.9	188.5	30.8	27.6	30.0	32.3	33.9	33.1	38.6	49.7	57.6
73°	*339.2*	*152.2*	*29.2*	*26.0*	*28.4*	*31.6*	*33.1*	*32.3*	*39.4*	*50.5*	*57.6*
75°	145.1	73.4	22.1	21.3	23.7	27.6	29.2	29.2	39.4	51.3	55.2
77.5°	65.5	39.4	14.2	16.6	20.5	22.1	24.5	24.5	31.6	39.4	39.4
80°	37.1	21.3	11.0	12.6	15.0	15.0	15.0	13.4	14.2	15.8	17.4
82.5°	23.7	14.2	8.7	10.3	9.5	7.9	6.3	6.3	5.5	6.3	7.9
85°	13.4	7.9	7.9	6.3	3.9	3.2	3.9	3.2	0.8	0.0	0.8
87.5°	7.9	4.7	2.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
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

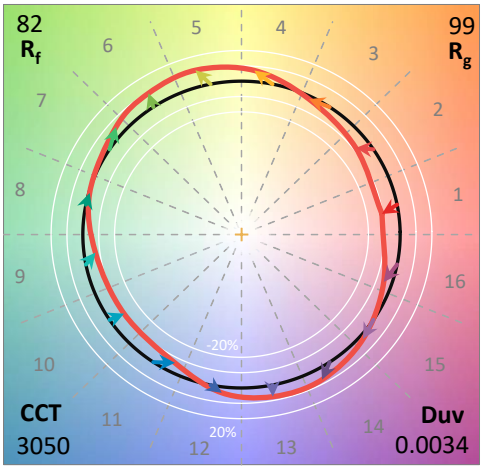
Test Information

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

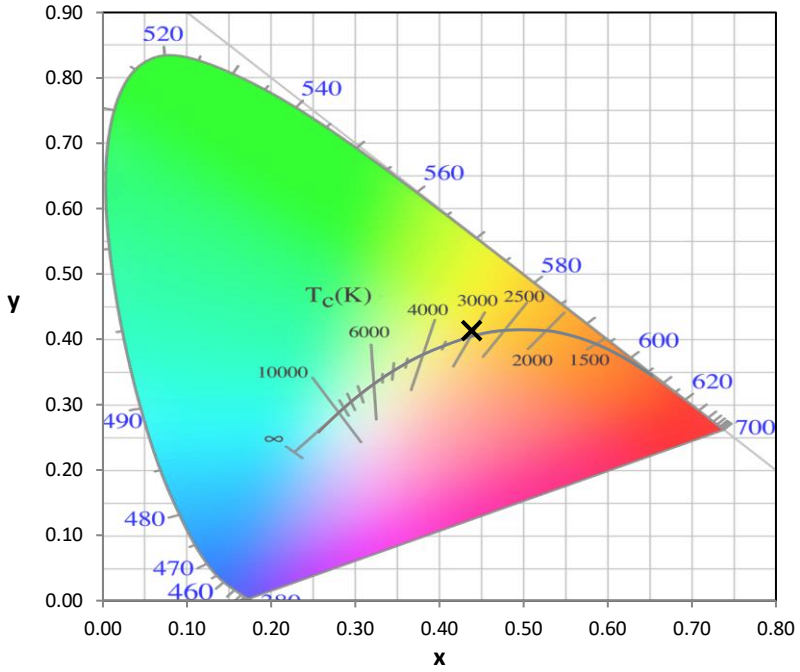
Stabilization Time:	20M
Operation Time:	1H 20M
Sphere Temperature (°C):	24.2

REPORT NUMBER: SP1-2408-195-9

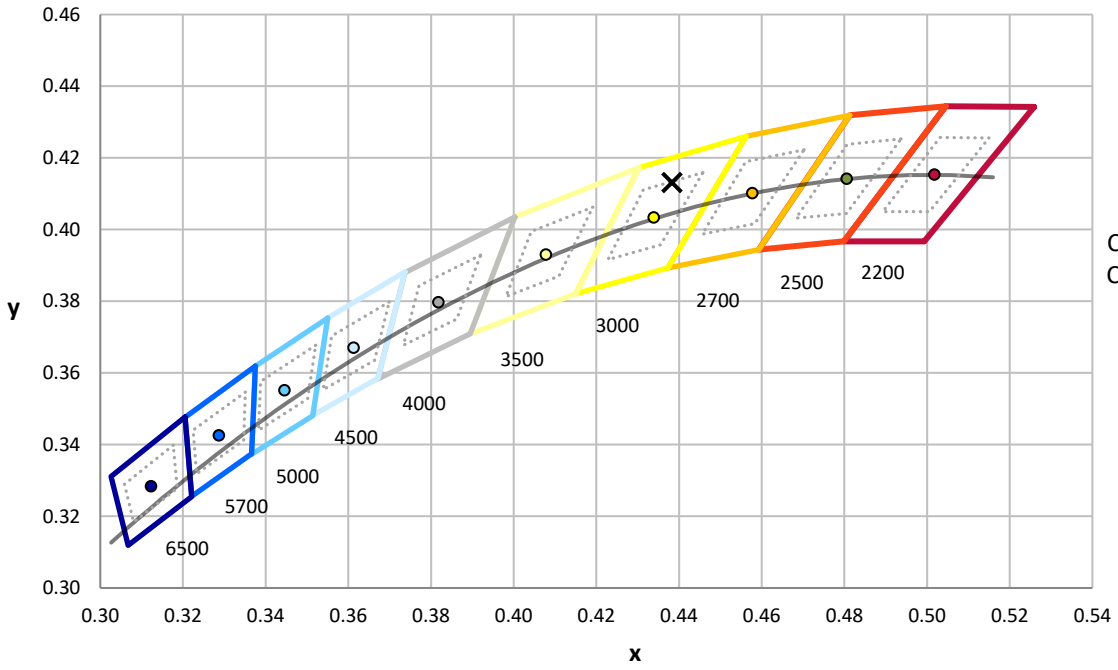
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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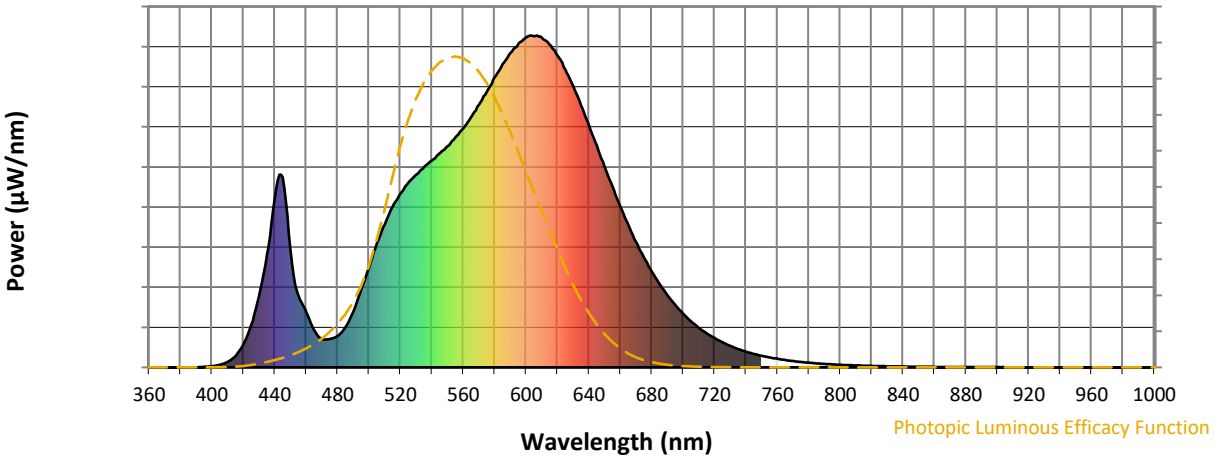
Photopic Flux vs. Wavelength



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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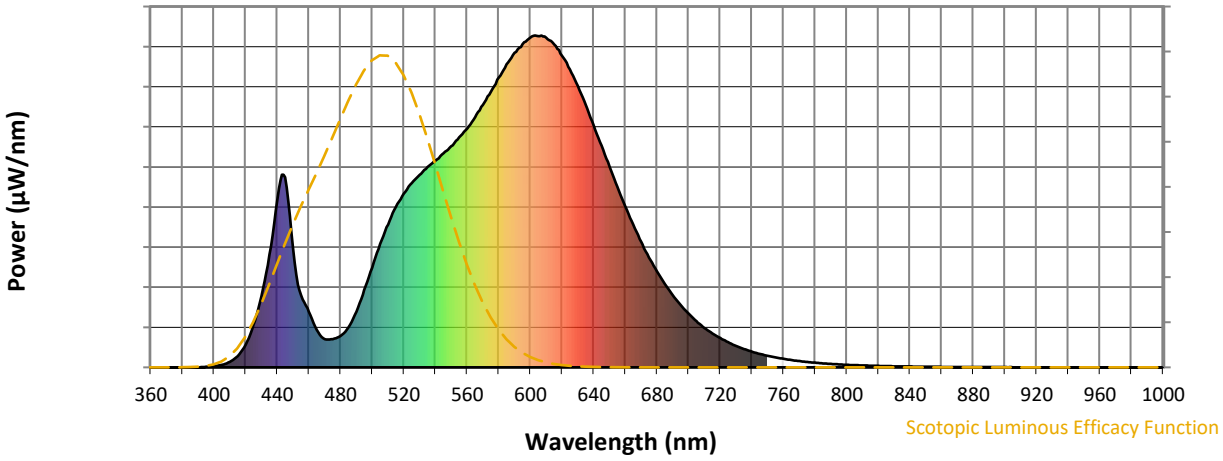
Scotopic Flux vs. Wavelength



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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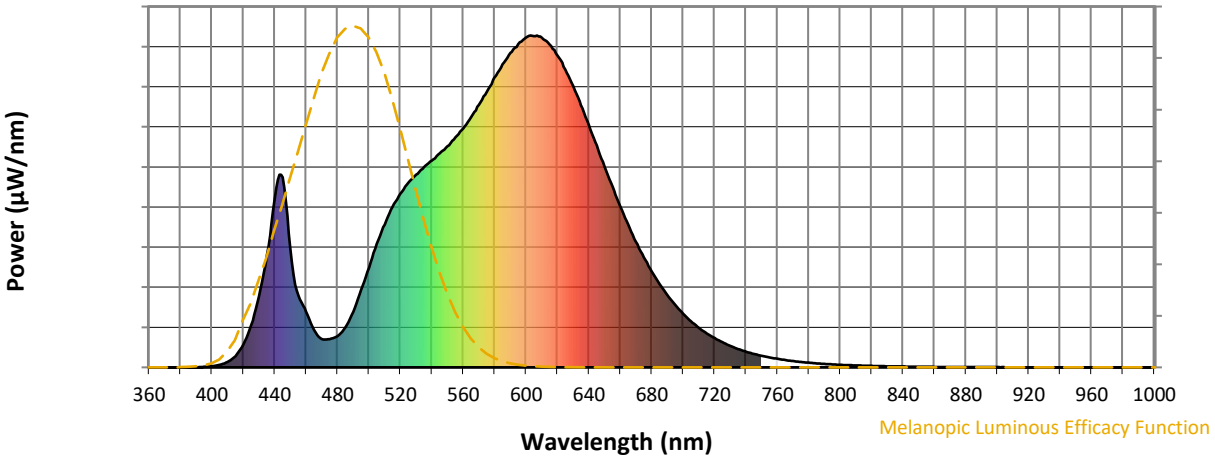
Melanopic Flux vs. Wavelength



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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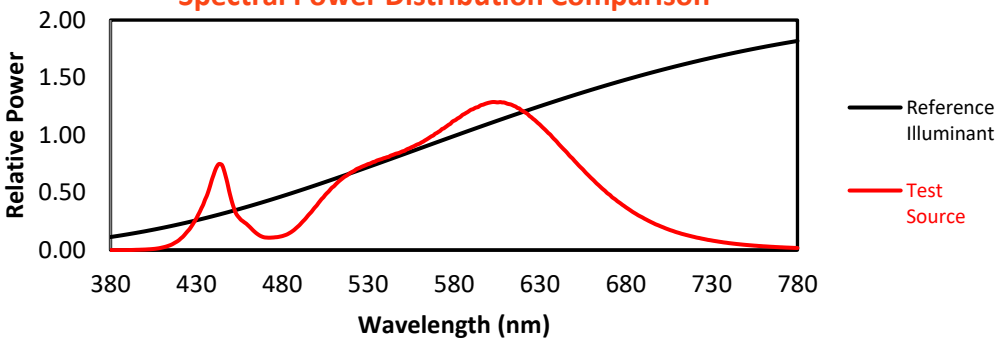
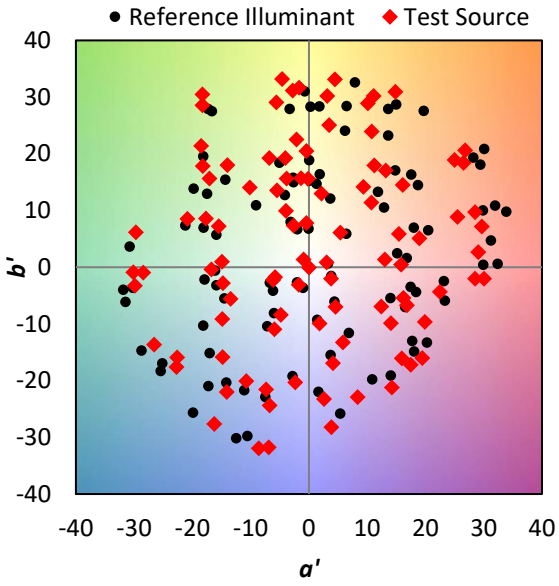
Summary

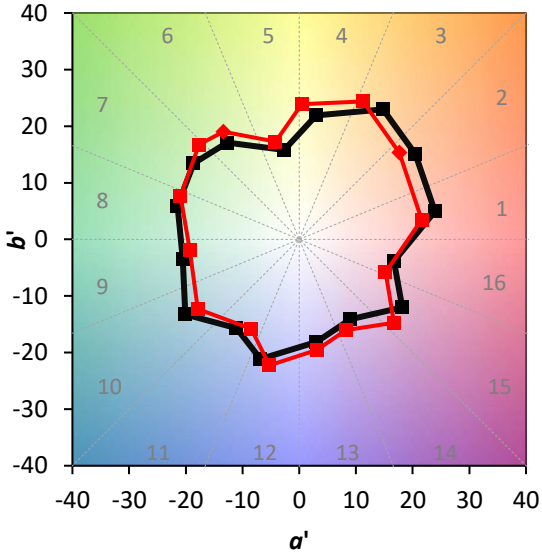
R_f = 81.5
R_g = 99.2
CIE R_a = 81.0
R_9 = 7.1

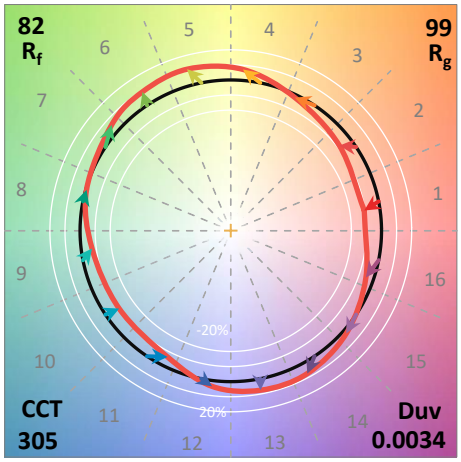
Spectral Power Distribution Comparison

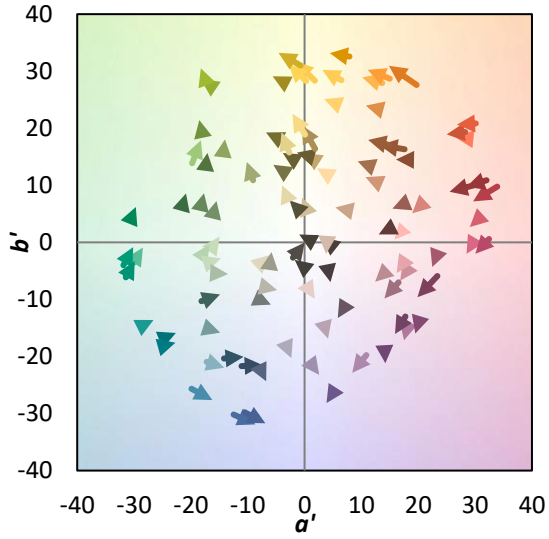


Color Vector Graphics









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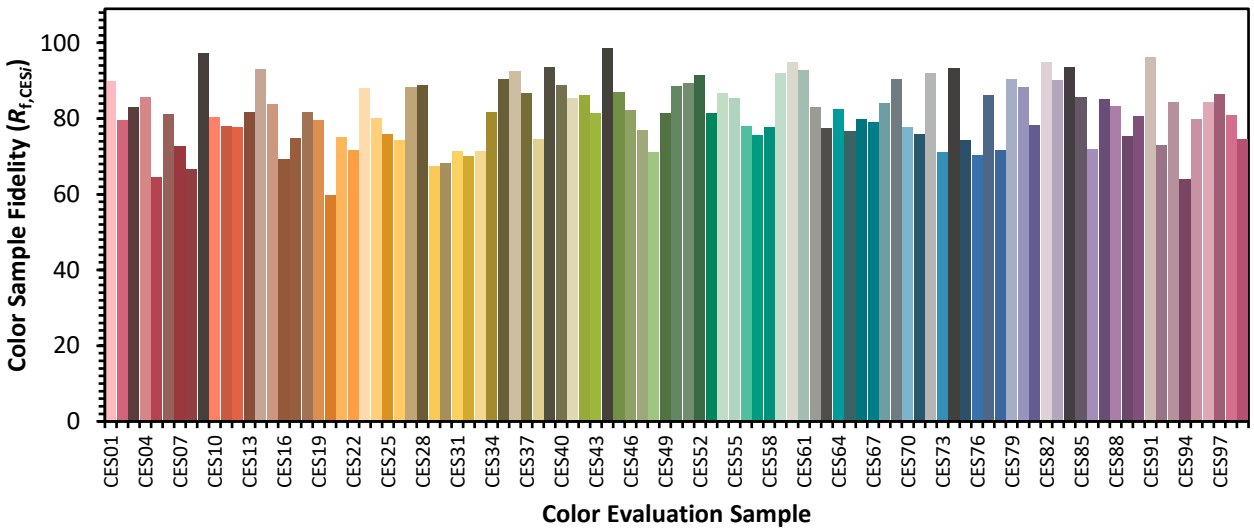
Individual Sample Fidelity Index ($R_{f,i}$)

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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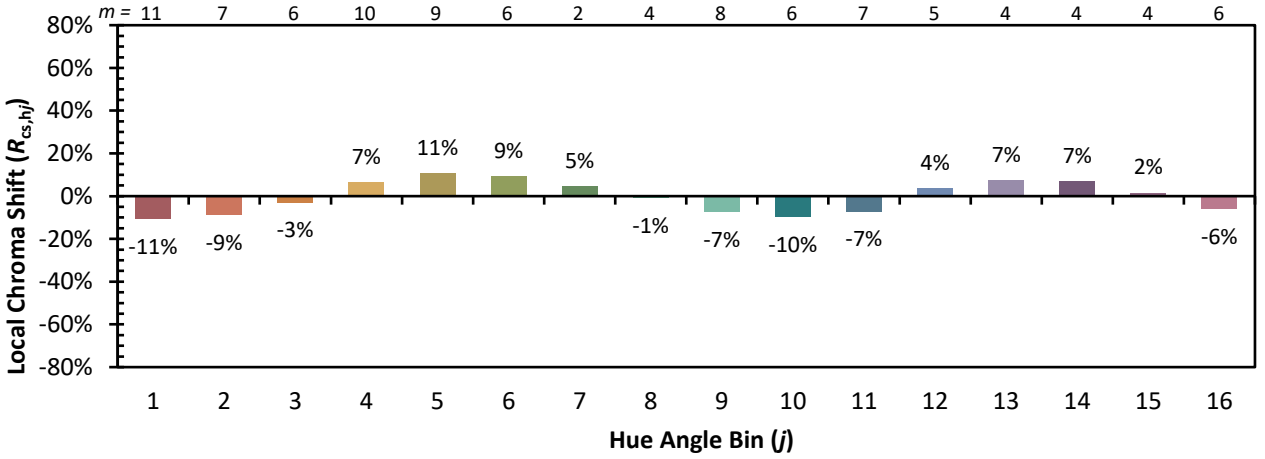
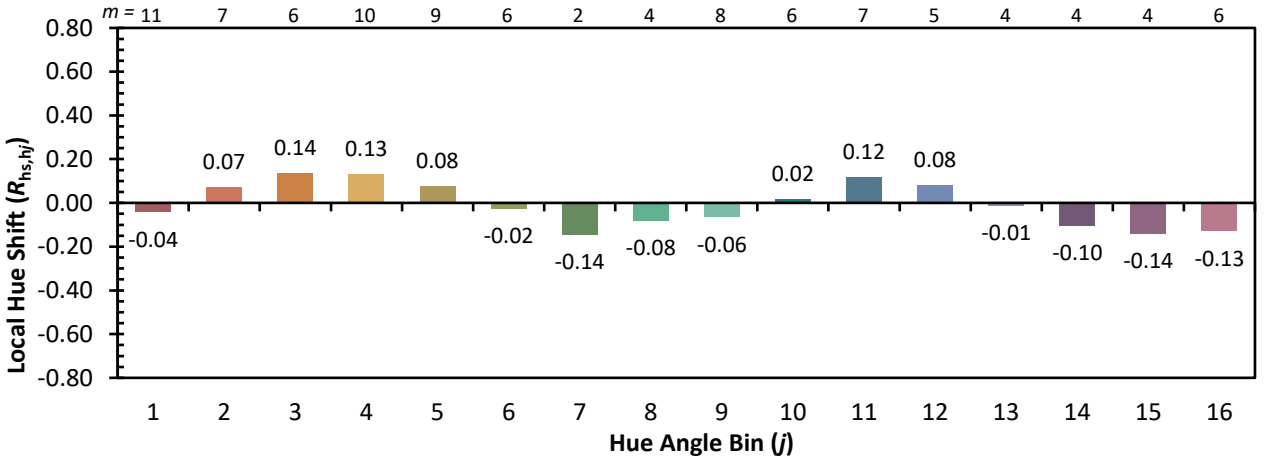
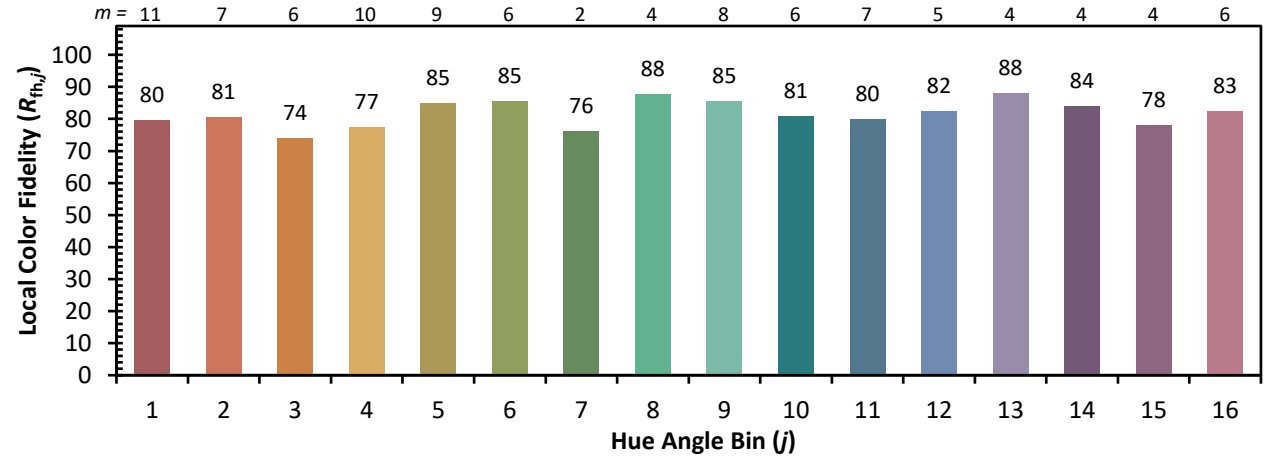
Color Rendition by Hue-Angle Bin







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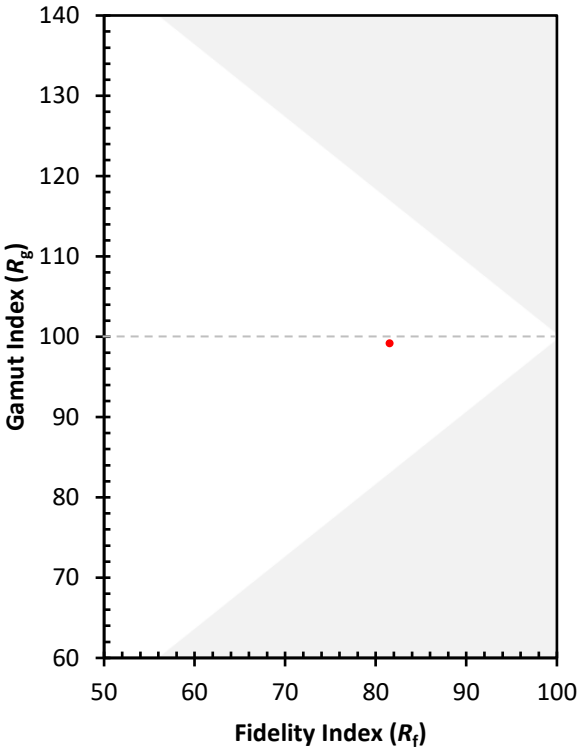
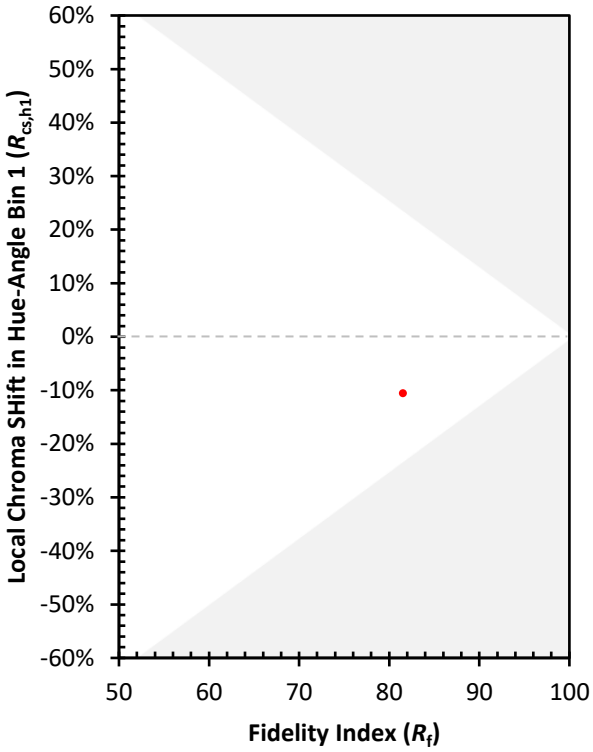
Measure Comparisons





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