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: P322737

Luminaire Tested: **GLEON-SA3D-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:	P322737
	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-SA3D-830-U-T4FT-HSS
Description:	GALLEON AREA AND ROADWAY LUMINAIRE
	(3) 80 CRI, 3000K, 1200mA 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:	13367 lumens
Efficiency:	N/A
Efficacy:	70.0 lumens/watt
Luminous Opening:	Rectangular (W 1' x L: 1' x H: 0')
IES Classification:	Type IV - Short
BUG Rating:	B1 - U0 - G3

Input Watts (W):	191
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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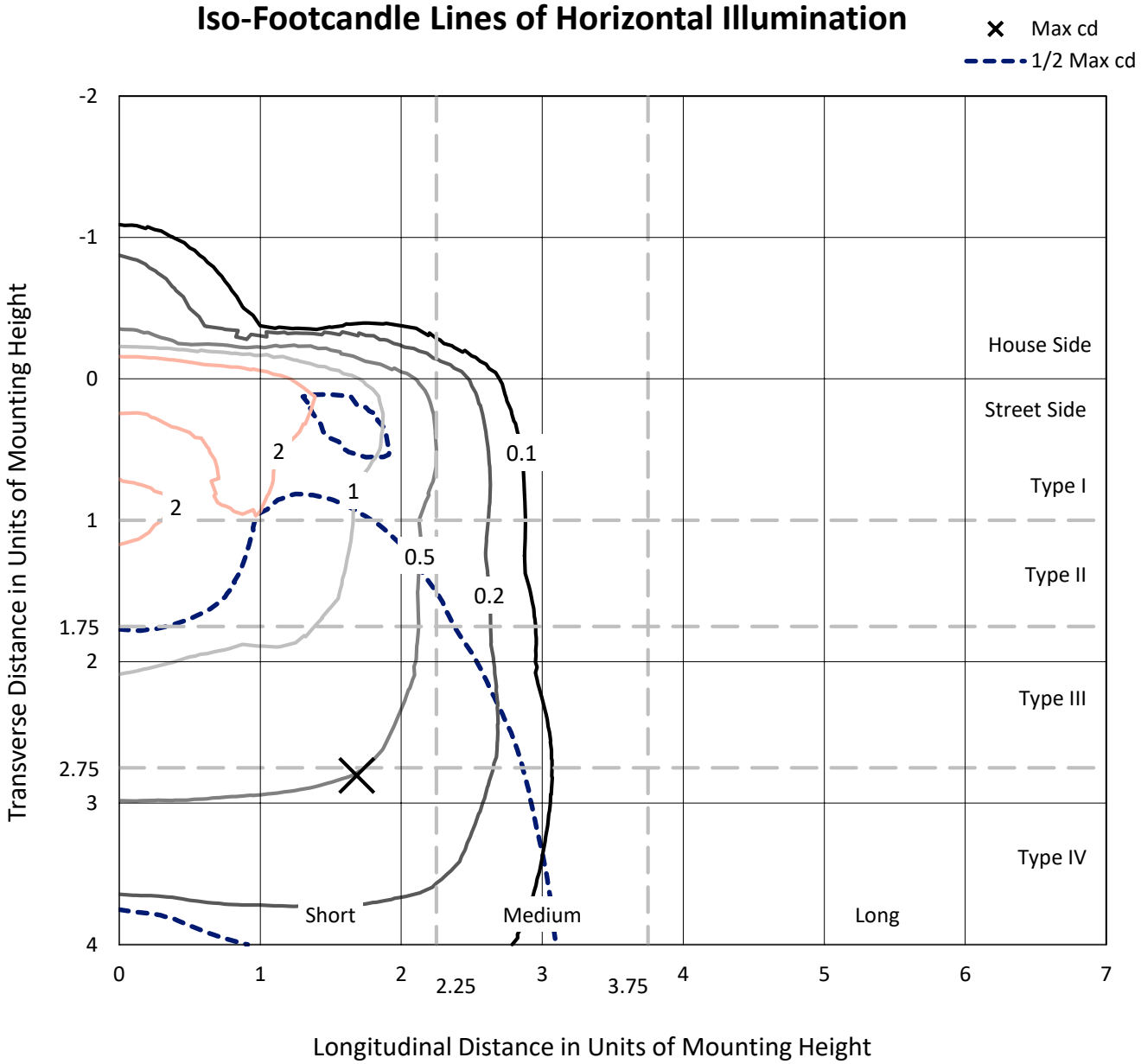
REPORT NUMBER: P322737
CATALOG NUMBER: GLEON-SA3D-830-U-T4FT-HSS

Iso-Footcandle Lines of Horizontal Illumination



Based on 25 foot mounting height. Maximum calculated value = 3.7 fc
Type IV - Short - N/A

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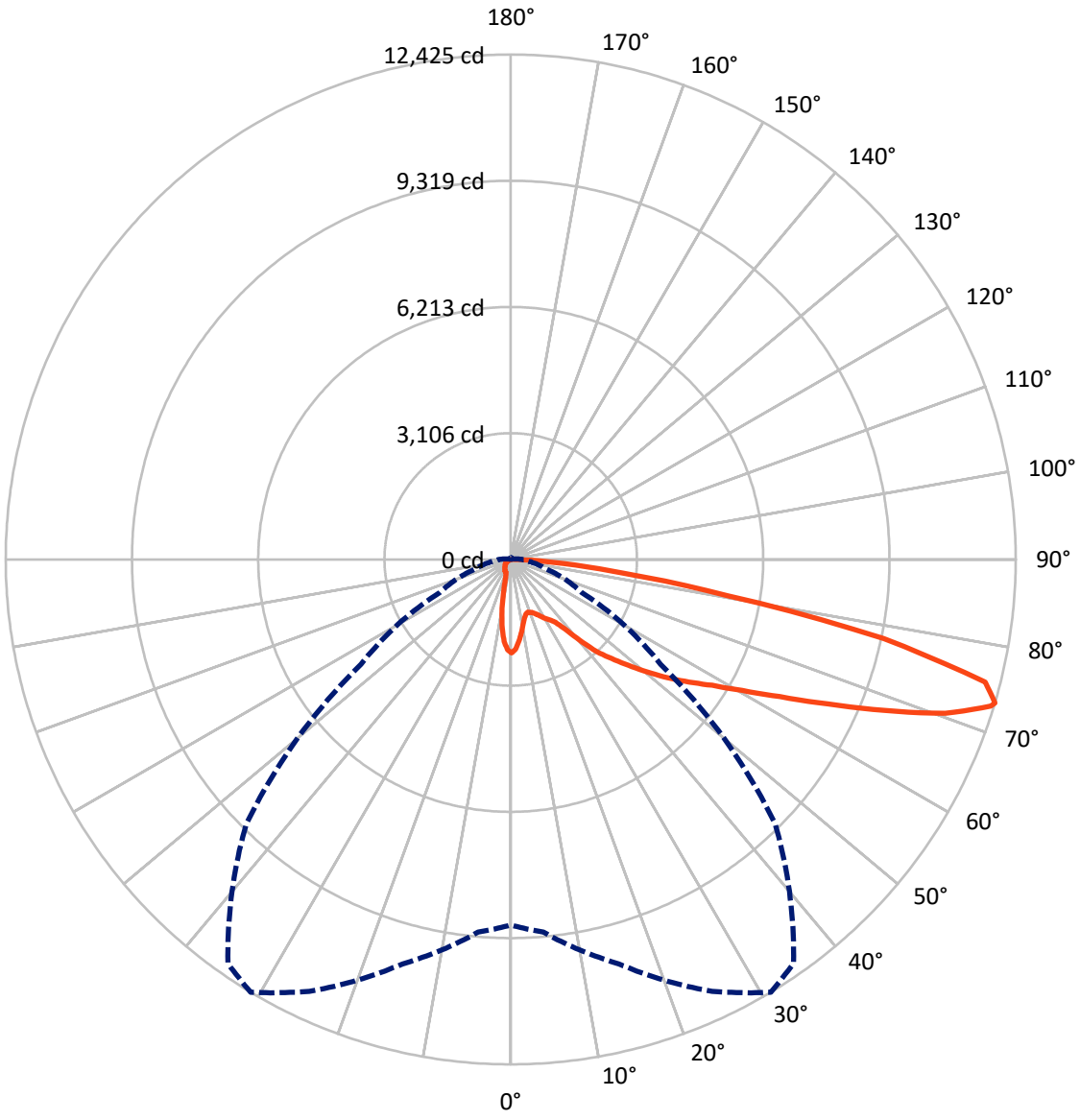
Luminous Intensity Polar Plot



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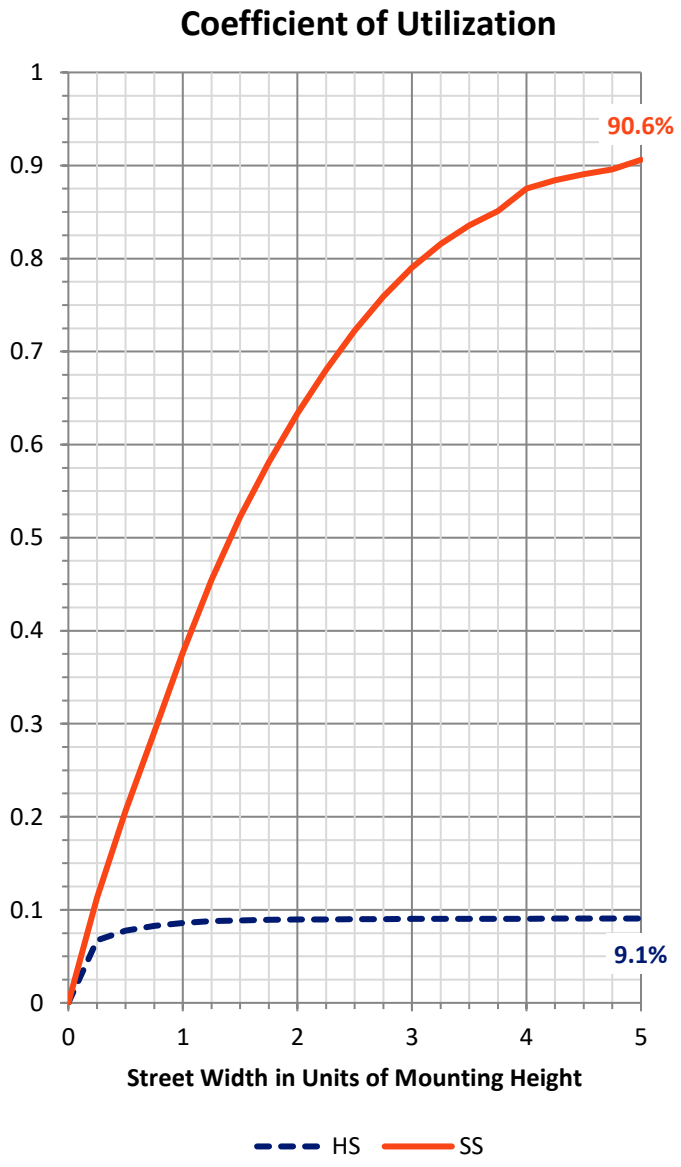
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1218.4	0.0	1218.4
	% Fixture	9.1	0.0	9.1
Street Side	Lumens	12148.6	0.0	12148.6
	% Fixture	90.9	0.0	90.9
Total	Lumens	13367.0	0.0	13367.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	190.7	1.4
10°-20°	414.0	3.1
20°-30°	620.3	4.6
30°-40°	987.0	7.4
40°-50°	1762.5	13.2
50°-60°	2734.8	20.5
60°-70°	3635.6	27.2
70°-80°	2734.7	20.5
80°-90°	287.4	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°	13367.0	100.0
0°-180°	13367.0	100.0



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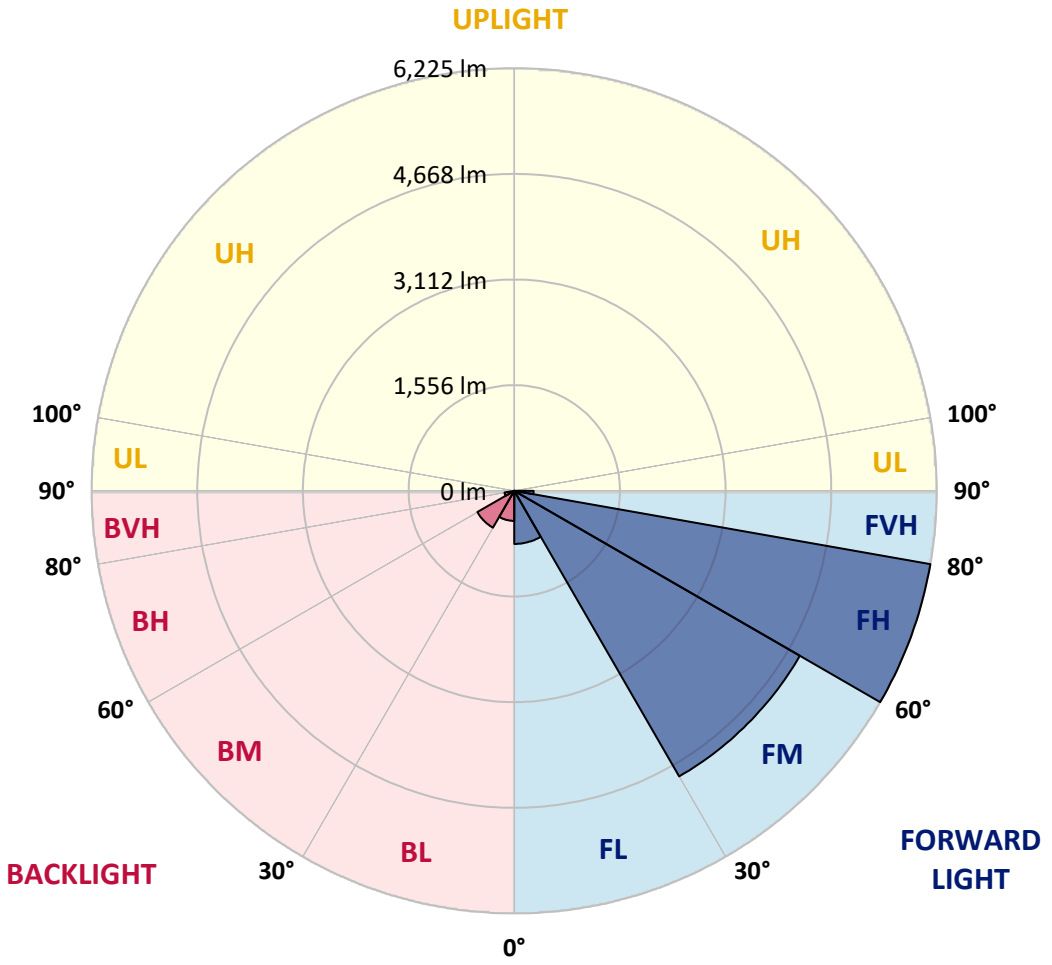
LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	782.0	5.9			
FM	(30°-60°)	4857.1	36.3			
FH	(60°-80°)	6224.5	46.6			G3/7500
FVH	(80°-90°)	284.9	2.1			G3/500
BL	(0°-30°)	443.1	3.3	B1/500		
BM	(30°-60°)	627.2	4.7	B1/1000		
BH	(60°-80°)	145.8	1.1	B1/500		G1/500
BVH	(80°-90°)	2.4	0.0			G0/10
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G3
Type IV Short



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Scaled Data Report

REPORT NUMBER: P322737
CATALOG NUMBER: GLEON-SA3D-830-U-T4FT-HSS

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	31°	35°	45°	55°	65°	75°	85°
0°	2299.8	2299.8	2299.8	2299.8	2299.8	2299.8	2299.8	2299.8	2299.8	2299.8	2299.8
2.5°	2179.5	2188.6	2198.4	2200.4	2216.7	2217.4	2241.0	2258.6	2276.3	2293.3	2299.2
5°	1955.8	1970.8	1988.5	2006.1	2040.8	2054.5	2112.1	2171.0	2227.2	2280.9	2307.0
7.5°	1717.0	1734.0	1758.9	1802.7	1841.3	1868.1	1959.0	2063.7	2168.3	2267.1	2324.0
10°	1499.2	1514.9	1541.1	1587.5	1647.0	1683.7	1806.0	1951.2	2104.9	2254.7	2349.5
12.5°	1360.5	1369.0	1383.4	1433.1	1486.8	1528.0	1671.9	1851.8	2052.6	2254.0	2390.7
15°	1335.0	1337.6	1325.9	1348.1	1390.0	1429.9	1575.7	1771.3	2012.7	2264.5	2444.4
17.5°	1375.6	1374.3	1335.0	1332.4	1365.8	1398.5	1528.6	1715.7	1984.5	2288.7	2513.7
20°	1437.1	1432.5	1364.5	1352.0	1387.3	1418.1	1525.4	1694.8	1974.1	2329.3	2598.1
22.5°	1518.8	1511.0	1404.4	1391.3	1429.2	1461.3	1565.9	1715.1	1983.2	2383.5	2696.2
25°	1620.2	1608.4	1473.0	1458.6	1497.2	1529.3	1638.5	1773.3	2010.7	2449.6	2820.5
27.5°	1734.7	1717.7	1582.9	1545.6	1589.5	1622.8	1735.3	1862.2	2053.9	2519.6	2972.9
30°	1842.6	1820.4	1698.7	1637.2	1690.9	1728.1	1840.0	1968.2	2123.2	2627.5	3181.5
32.5°	1951.2	1926.3	1802.0	1728.8	1777.2	1817.7	1947.9	2114.1	2253.4	2792.4	3458.9
35°	2201.1	2174.9	2022.5	1901.5	1900.8	1923.7	2099.0	2313.6	2425.4	3021.9	3789.9
37.5°	2621.6	2606.6	2461.4	2231.8	2170.3	2144.8	2305.1	2551.6	2672.7	3337.9	4163.4
40°	3082.1	3069.0	2906.2	2698.2	2604.6	2541.8	2600.7	2883.3	3021.9	3723.8	4544.7
42.5°	3602.1	3540.0	3249.6	3187.4	3103.7	3056.0	3003.0	3292.1	3451.0	4143.7	4922.8
45°	4074.4	3969.7	3593.0	3498.8	3479.8	3491.6	3521.0	3841.5	3933.8	4642.8	5299.5
47.5°	4355.7	4273.2	3984.1	3893.9	3888.6	3966.5	4188.9	4462.3	4414.5	5077.8	5631.2
50°	4623.2	4548.6	4308.6	4330.8	4355.0	4461.0	4947.0	5100.7	4853.4	5472.2	5935.3
52.5°	4839.7	4725.9	4600.3	4725.2	4844.3	5015.0	5729.3	5673.7	5164.8	5786.2	6195.6
55°	4964.6	4913.0	4973.8	5099.4	5323.1	5600.4	6467.8	6150.5	5392.4	6072.7	6369.0
57.5°	5422.5	5321.1	5442.1	5550.7	5842.4	6230.3	7100.3	6505.7	5556.6	6249.9	6408.9
60°	5976.5	5894.8	5966.1	6146.6	6540.4	6996.3	7691.6	6795.5	5642.3	6363.8	6305.5
62.5°	6858.3	6750.3	6705.8	6908.0	7429.9	7927.7	8140.3	6996.3	5623.3	6313.4	5951.0
65°	8039.6	7927.7	7728.9	7912.0	8575.9	8927.2	8642.0	7038.8	5492.5	5905.9	5054.9
67.5°	9249.6	9168.5	8998.5	9307.2	9906.4	10019.5	9172.5	6935.4	5071.2	4788.7	3571.4
70°	10049.0	10014.3	10124.8	10807.7	11342.1	11309.4	9659.1	6380.1	3952.7	2944.8	1766.7
72.5°	9472.7	9638.8	10455.2	11693.4	12346.2	12079.3	9409.2	4899.2	2259.3	1132.9	510.9
73°	8995.2	9207.8	10306.7	11726.7	12425.3	12132.9	9199.3	4496.9	1925.7	894.2	387.2
75°	6257.8	6518.8	8532.7	10921.5	12055.1	11559.9	7668.0	2752.5	892.2	396.4	156.3
77.5°	3038.3	3231.3	4698.4	7891.1	9375.2	9031.8	4773.6	1025.6	402.9	247.9	72.0
80°	1134.2	1261.1	2039.5	4016.2	5417.9	5559.9	2099.7	387.9	268.2	199.5	36.6
82.5°	297.0	331.0	752.2	1790.9	2776.7	2906.2	662.0	195.6	196.2	164.2	22.2
85°	94.8	108.6	234.8	803.9	1308.2	1148.6	172.7	94.8	142.6	122.3	12.4
87.5°	11.8	15.0	74.6	189.0	288.5	160.3	26.8	28.1	60.8	68.0	7.2
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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Scaled Data Report

REPORT NUMBER: P322737
CATALOG NUMBER: GLEON-SA3D-830-U-T4FT-HSS

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	2299.8	2299.8	2299.8	2299.8	2299.8	2299.8	2299.8	2299.8	2299.8	2299.8	2299.8
2.5°	2305.1	2301.8	2302.4	2285.4	2274.3	2252.1	2229.2	2218.7	2207.6	2203.0	2207.6
5°	2316.8	2310.9	2293.9	2241.6	2186.0	2114.1	2046.7	1995.7	1931.6	1913.9	1932.2
7.5°	2335.1	2323.4	2273.7	2167.0	2043.4	1906.1	1751.7	1639.2	1546.9	1487.4	1509.0
10°	2362.0	2339.7	2239.6	2058.5	1837.4	1594.0	1374.9	1204.2	1083.2	1033.5	1031.5
12.5°	2407.1	2365.2	2197.8	1917.2	1585.5	1261.1	974.0	788.8	690.7	627.3	626.0
15°	2456.8	2395.3	2144.8	1747.8	1292.5	903.3	627.3	486.7	423.2	402.9	400.3
17.5°	2517.6	2430.0	2076.1	1539.1	985.7	598.5	409.5	368.9	366.3	364.3	364.3
20°	2594.2	2471.2	1987.8	1300.4	699.2	399.7	348.0	350.6	351.9	349.3	349.9
22.5°	2683.1	2513.1	1882.5	1043.9	472.9	334.2	332.9	336.2	337.5	336.2	336.9
25°	2786.5	2561.5	1754.3	775.1	341.4	317.2	320.5	325.1	328.4	328.4	328.4
27.5°	2914.7	2620.3	1599.9	540.9	295.0	299.6	308.7	317.2	321.8	323.1	323.1
30°	3081.5	2693.6	1414.8	370.9	268.2	276.0	293.0	309.4	317.9	319.2	319.9
32.5°	3292.1	2776.0	1200.3	274.1	245.3	251.2	269.5	297.0	313.3	315.9	315.9
35°	3533.5	2871.5	969.4	238.7	228.9	230.9	245.3	276.7	305.5	312.7	313.3
37.5°	3797.7	2965.7	737.2	223.0	215.2	215.2	225.7	252.5	286.5	308.7	311.4
40°	4044.3	3022.6	516.7	210.6	202.8	202.8	211.9	231.6	263.6	297.0	304.2
42.5°	4271.9	3042.2	359.8	198.8	191.0	193.0	200.8	216.5	240.7	274.1	280.6
45°	4506.1	3039.0	262.3	185.1	179.2	185.1	191.0	202.8	220.4	239.4	240.7
47.5°	4682.7	3011.5	208.0	172.0	168.1	176.0	181.2	189.0	198.8	197.5	197.5
50°	4848.2	2944.8	167.4	154.4	157.0	166.1	168.8	171.4	172.0	159.6	158.3
52.5°	4973.8	2840.8	134.1	135.4	145.9	155.0	152.4	148.5	141.9	126.9	124.3
55°	5015.6	2640.6	105.3	111.9	129.5	141.3	131.5	123.0	110.5	98.1	95.5
57.5°	4939.8	2382.2	85.7	87.0	109.2	119.0	107.9	98.1	84.4	73.9	72.0
60°	4778.9	2095.1	70.6	65.4	84.4	92.9	85.7	75.9	63.4	55.6	54.9
62.5°	4459.7	1789.0	58.2	51.0	64.1	71.3	66.7	59.5	49.1	43.8	43.2
65°	3788.6	1431.2	47.1	41.2	49.7	55.6	51.7	46.4	38.6	34.7	34.0
67.5°	2644.5	967.4	38.6	34.0	39.2	43.8	40.6	37.9	30.7	30.1	30.7
70°	1275.5	466.4	32.1	27.5	30.7	34.0	32.7	30.7	29.4	34.0	39.2
72.5°	365.6	156.3	25.5	22.9	24.9	26.8	28.1	27.5	32.1	41.2	47.7
73°	*281.3*	*126.2*	*24.2*	*21.6*	*23.5*	*26.2*	*27.5*	*26.8*	*32.7*	*41.9*	*47.7*
75°	120.4	60.8	18.3	17.7	19.6	22.9	24.2	24.2	32.7	42.5	45.8
77.5°	54.3	32.7	11.8	13.7	17.0	18.3	20.3	20.3	26.2	32.7	32.7
80°	30.7	17.7	9.2	10.5	12.4	12.4	12.4	11.1	11.8	13.1	14.4
82.5°	19.6	11.8	7.2	8.5	7.8	6.5	5.2	5.2	4.6	5.2	6.5
85°	11.1	6.5	6.5	5.2	3.3	2.6	3.3	2.6	0.7	0.0	0.7
87.5°	6.5	3.9	2.0	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

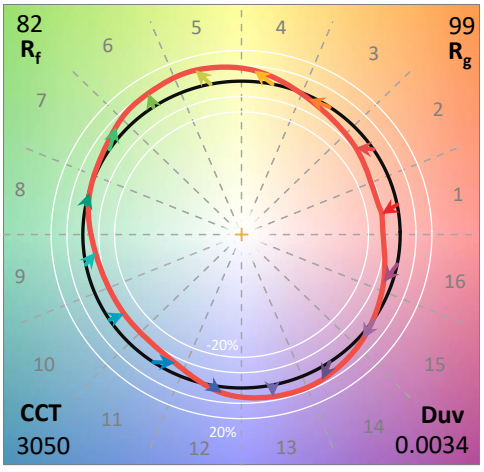
Test Information

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

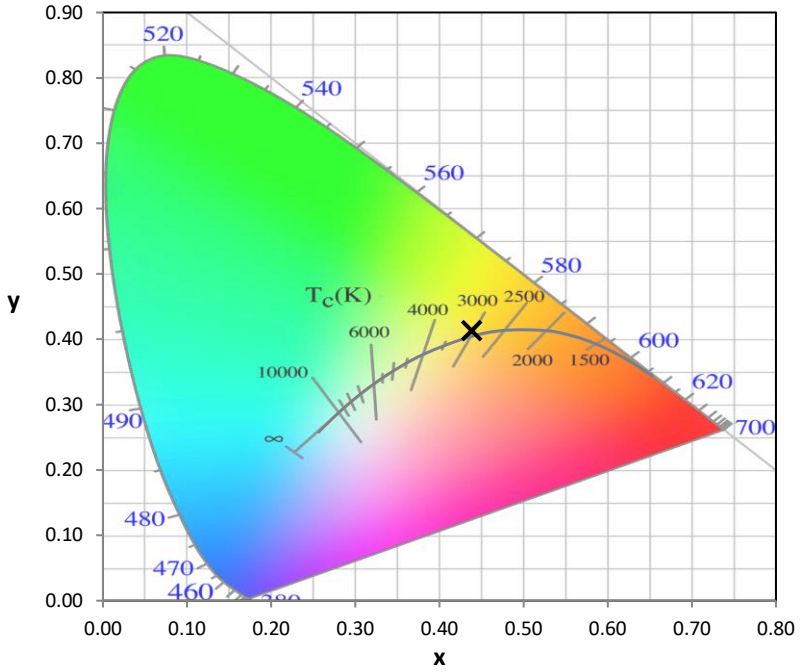
Stabilization Time:	20M
Operation Time:	1H 20M
Sphere Temperature (°C):	24.2

REPORT NUMBER: SP1-2408-195-9

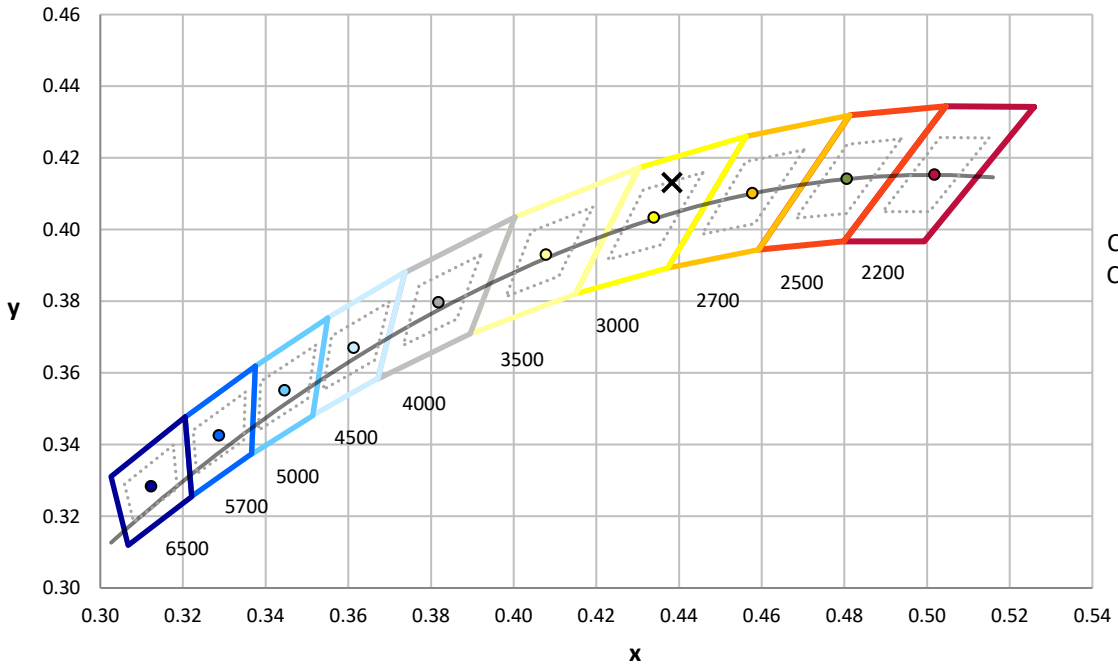
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

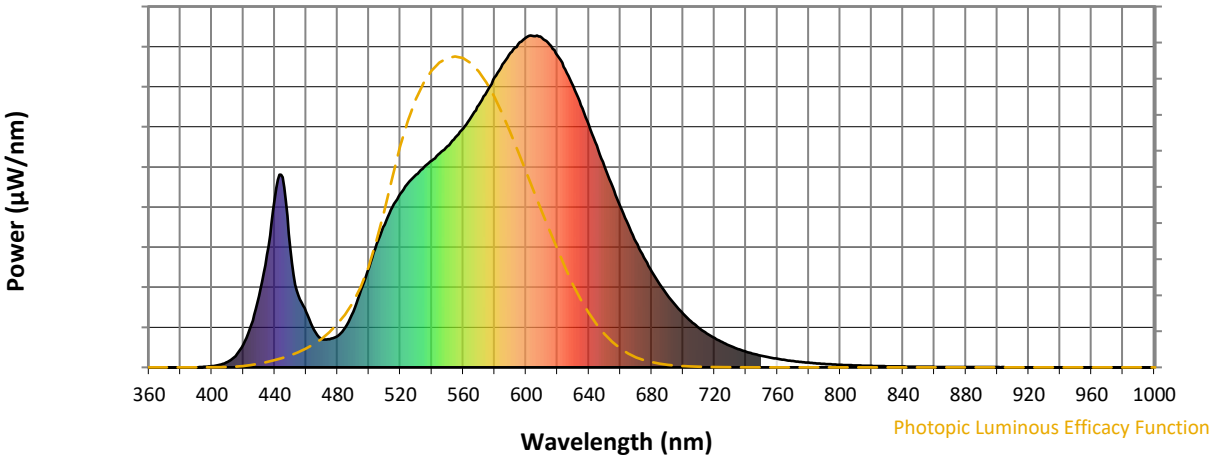


CCT = 3050K
CIE x = 0.4383
CIE y = 0.4131
Duv = 0.0034

Point lies inside the ANSI 3000K 4-step quadrangle

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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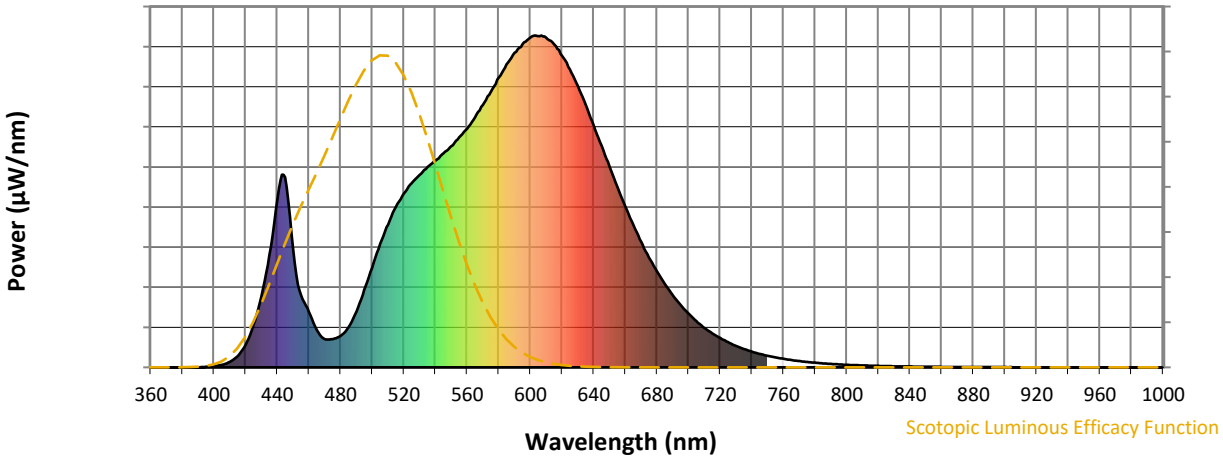
Scotopic Flux vs. Wavelength



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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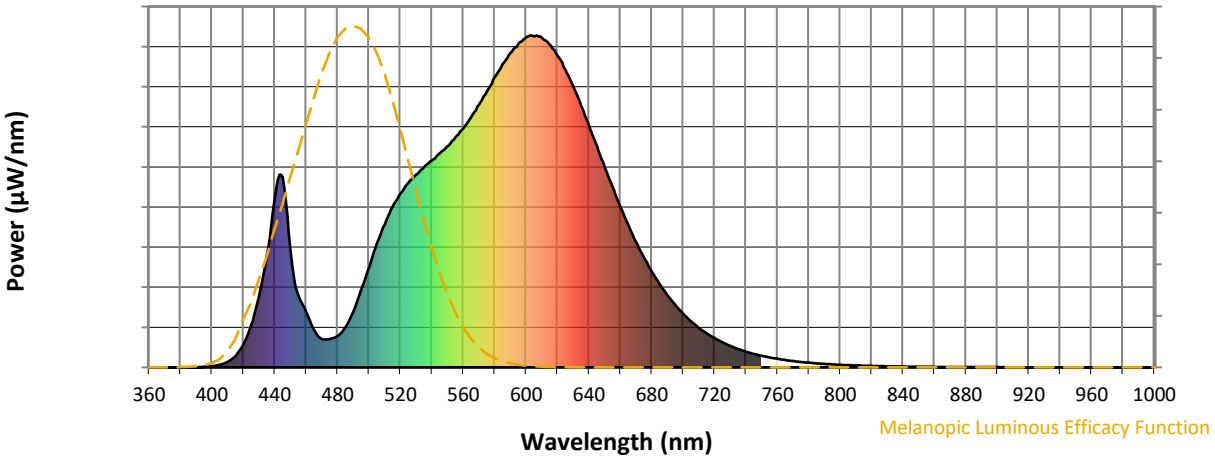
Melanopic Flux vs. Wavelength



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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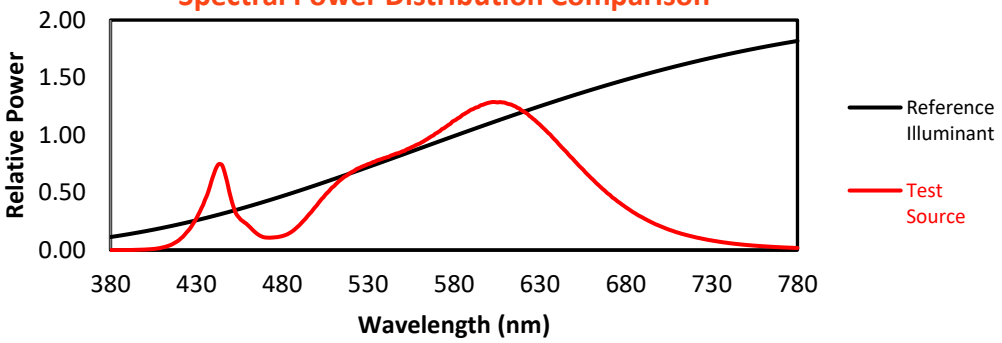
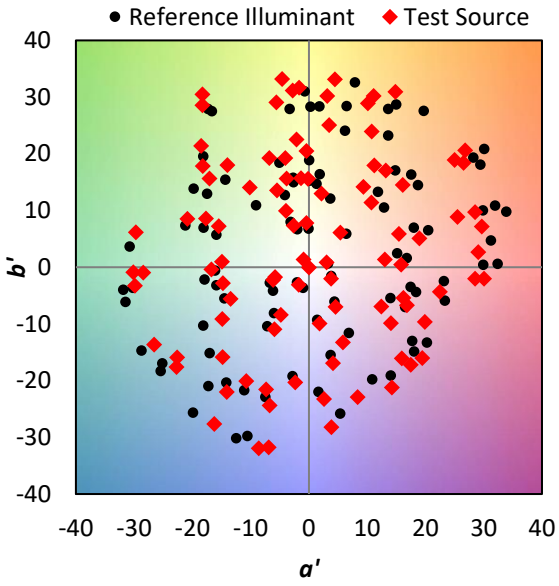
Summary

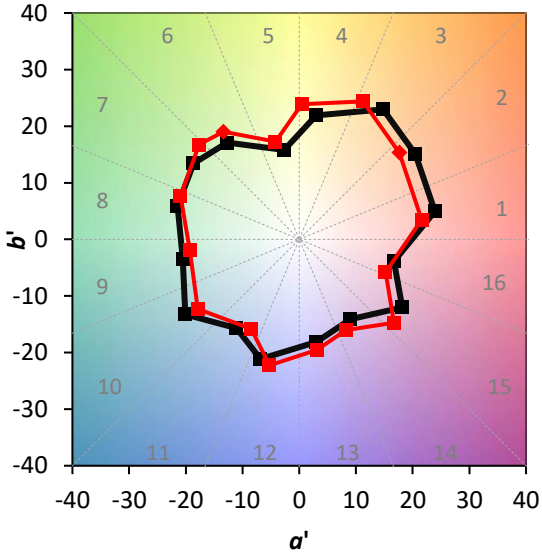
R_f = 81.5
R_g = 99.2
CIE R_a = 81.0
R_9 = 7.1

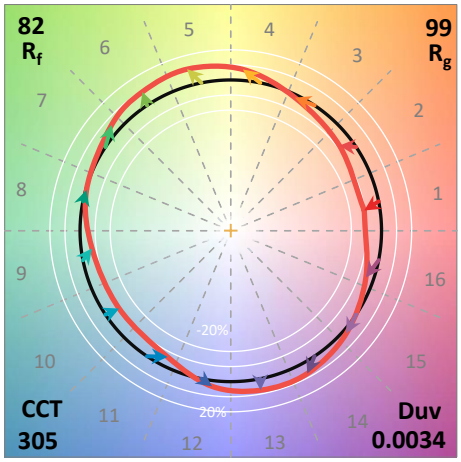
Spectral Power Distribution Comparison

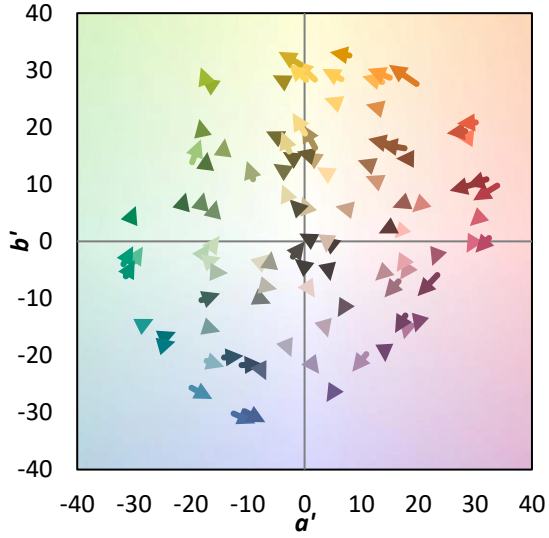


Color Vector Graphics









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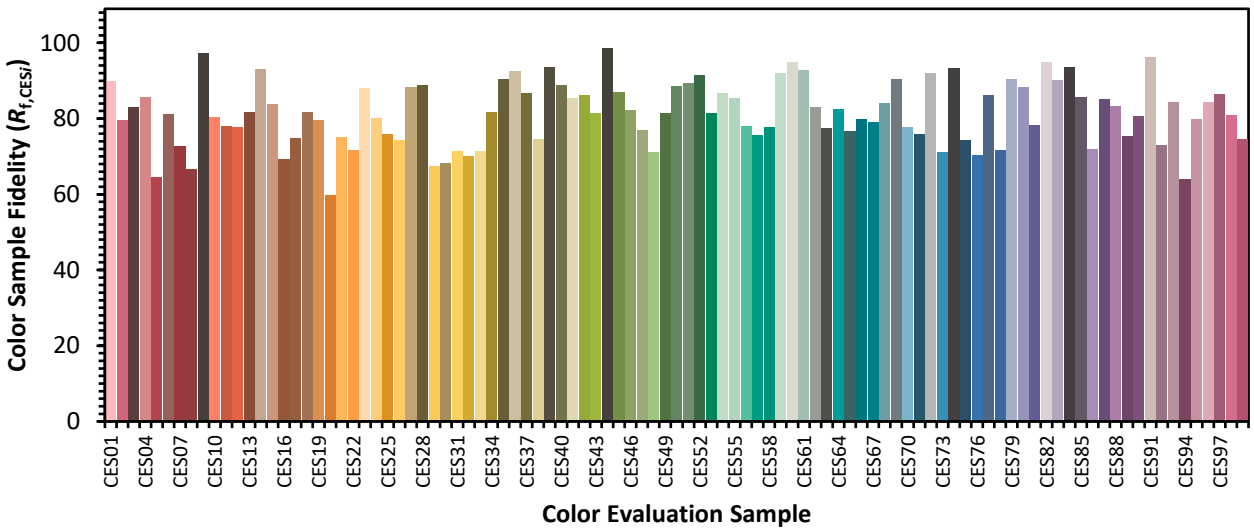
Individual Sample Fidelity Index ($R_{f,i}$)

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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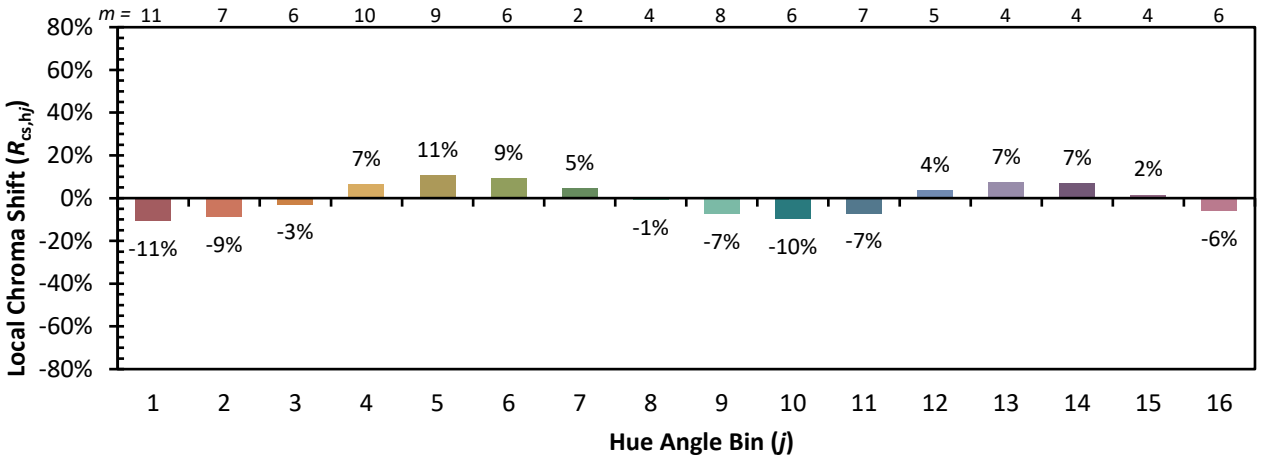
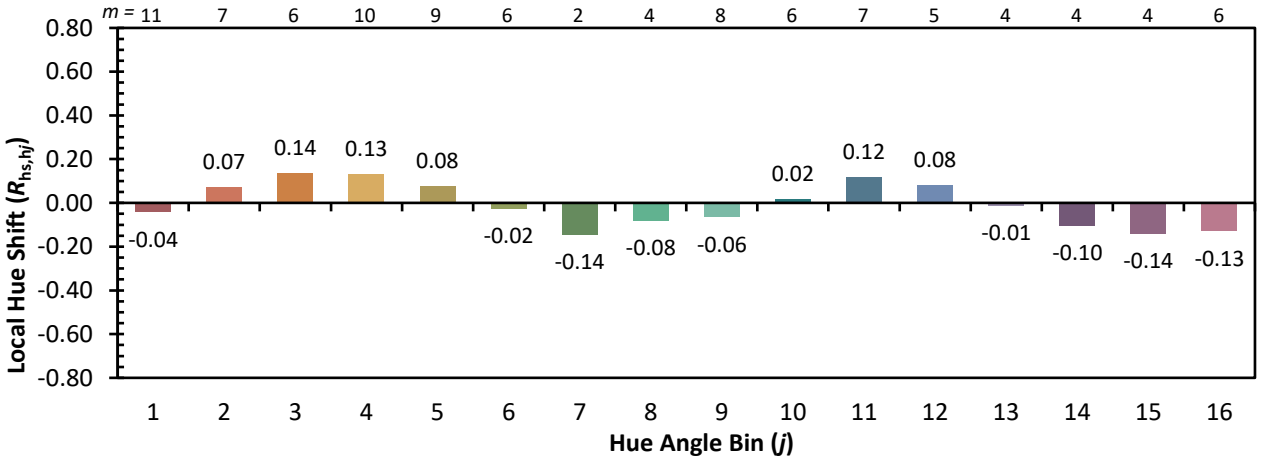
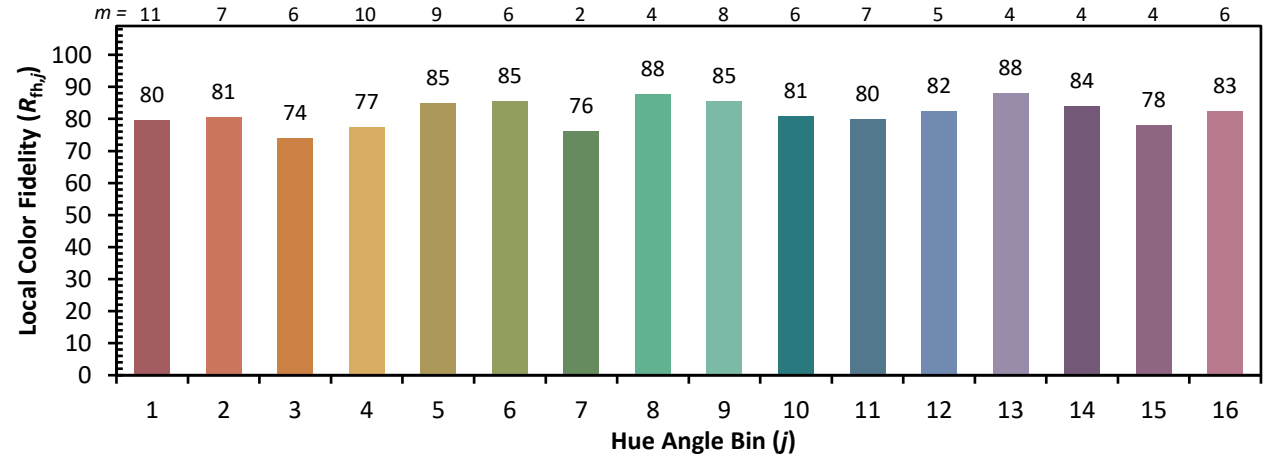
Color Rendition by Hue-Angle Bin







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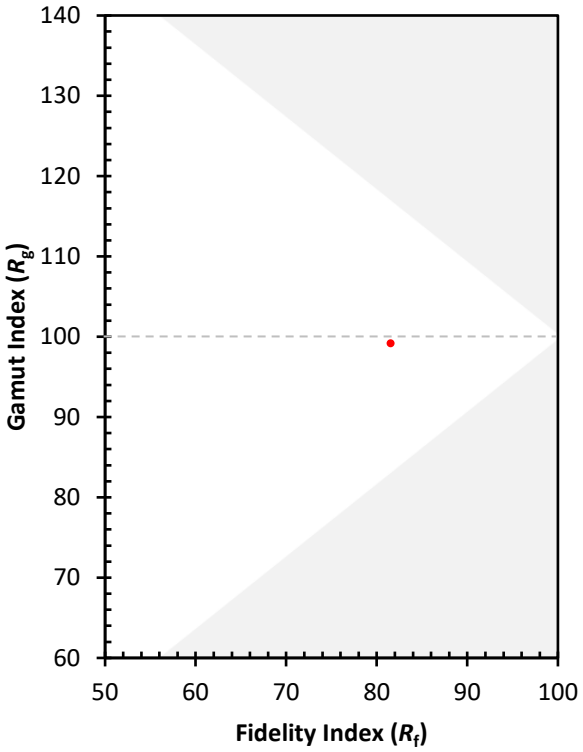
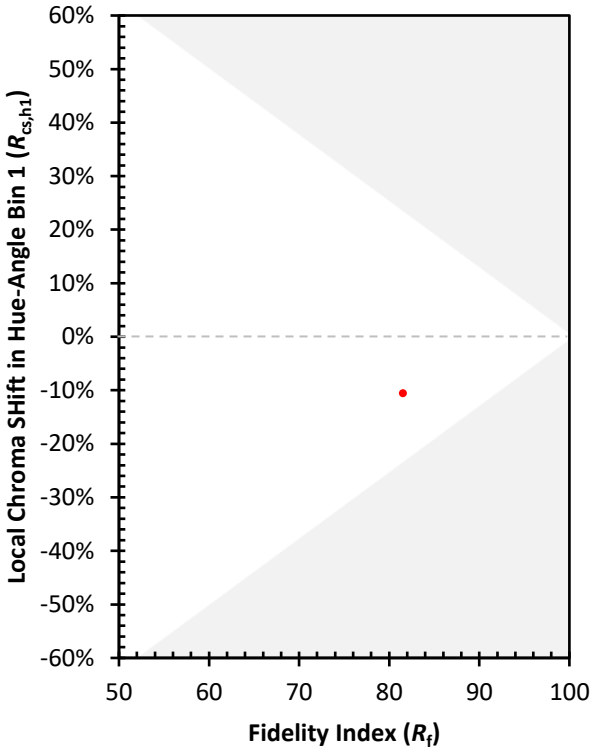
Measure Comparisons





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